APPENDIX C

LABORATORY ANALYTICAL REPORTS (DVD)

This page intentionally left blank.



Prepared for: CT Laboratories LLC

Project: 775303101

Analytical Data Package
(Level IV)

Analysis: PFOS and PFOA in water (Method 537)

Maxxam Job #: B732816

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



Table of Contents

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Table of Contents

Certification Page

1. Project Narrative

2. Sample Management Records

    2.1 Sample Custody

3. Analytical Results

    3.1 Summary Report

    3.2 Sample Chromatograms

4. QA/QC Data

5. Initial Calibration

6. Continuing Calibration

Last Page

I hereby certify that to the best of my knowledge all analytical data presented in this report:

- Has been checked for completeness.
- Is accurate, legible and error free.
- Has been conducted in accordance with approved SOP's and that all deviations are clearly listed in the Case Narrative.
- This report has been generated in .pdf format.

Review Performed By:



Digitally signed by Stephanie Pollen
DN: o=Maxxam Analytics, email=SPollen@maxxam.ca, cn=Stephanie Pollen
Date: 2017.03.17 12:11:15 -04'00'

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Glossary of Terms

- *Detection Limit (DL)* this can also be called *Method Detection Limit (MDL*): The lowest concentration or amount of the target analyte that can be identified, measured, and reported with confidence that the analyte concentration is not a false positive value. (Clarification): The smallest analyte concentration that can be demonstrated to be different from zero or a blank concentration at the 99% level of confidence. At the DL, the false positive rate (Type I error) is 1%.

- *Limit of Detection (LOD***)**: An estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. (Clarification): The smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

- *Limits of Quantitation (LOQ)* this can also be called *Reporting Detection Limit (RDL)*: The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. (Clarification): The lowest concentration that produces a quantitative result within specified limits of precision and bias. For DoD projects, the LOQ shall be set at or above the concentration of the lowest initial calibration standard.

- *Acceptance Criteria* are values used by the laboratory to determine that a process is in control.

- *Accuracy* is the degree of agreement of a measured value with the true or expected value.

- *Calibration Standards* are a set of solutions containing the analytes of interest at a specified concentration.

- *Calibration Verification Standard* consists of a calibration standard solution of intermediate concentration (mid-point initial calibration level) used to access whether the initial calibration is still valid

- *Certified Reference Material* is a stable homogenous material that is certified by repetitive analysis from a supplier who is certified to generate said materials.

- *Internal Standard* a deuterated or ^{13}C-labelled analyte that is added to a sample extract prior to instrumental analysis to compensate for injection variability.
- *Isomer* is a member of a group of compounds that differ from each other only in the locations of a specific number of common substituent atoms or groups of atoms on the parent compound.
- *Method Blank* is a laboratory control sample using reagents that are known to be free of contamination.
- *Precision* is the degree of agreement between the data generated from repetitive measurements under specific conditions.
- *Quality Assurance* is a system of activities whose purpose is to provide the producer or user of a product with the assurance that the product meets a defined standard of quality.
- *Quality Control* is the overall system of activities whose purpose is to control the quality of a product so that it meets the needs of the end user.
- *RSD* is the relative standard deviation.
- *Blank Spike* is a laboratory control sample that has been fortified with native analytes of interest.
- *Window Defining Mixture* is a solution containing only the earliest and latest eluting congeners within each homologous group of target analytes on a specified GC column.
- *RPD* or Relative Percent Difference. A measure used to compare duplicate sample analysis.
- *EMPC/NDR* – Peak detected does not meet ratio criteria and has resulted in a higher detection limit.



1.0 Project Narrative

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Sample Analysis

All samples were initially pre-screened and estimated concentrations were obtained so that samples could be appropriately diluted for quantitative analysis. Due to high concentrations, the following sample was initially analyzed using a high calibration range (high level analysis) on QC batch 4871838 (2017/02/27):

DXR292 *FRCHD01-GW-003*

This sample was re-extracted and re-analyzed by low level analysis with dilutions on QC batch 4872075 (2017/03/08) to achieve lower detection limits for all analytes.

All other samples were analyzed by low level analysis on QC batch 4872075 (2017/03/08). Due to high concentrations, the following samples were analyzed with 10x dilution, with selected parameters requiring 50x and 100x dilutions:

DXR289	*FRCHD01-DUP01*	*Perfluorohexanesulfonate (PFHxS), Perfluorooctanesulfonate (PFOS), 6:2 Fluorotelomersulfonate (6:2FTS)*
DXR290	*FRCHD01-GW-001*	*Perfluorohexanoic acid (PFHxA), Perfluorohexanesulfonate (PFHxS), Perfluorooctanoic acid (PFOA), Perfluorooctanesulfonate (PFOS), 6:2 Fluorotelomersulfonate (6:2FTS)*
DXR291	*FRCHD01-GW-002*	*Perfluorohexanesulfonate (PFHxS), Perfluorooctanesulfonate (PFOS), 6:2 Fluorotelomersulfonate (6:2FTS)*
DXR292	*FRCHD01-GW-003*	*Perfluorohexanoic acid (PFHxA), Perfluorohexanesulfonate (PFHxS), Perfluorooctanesulfonate (PFOS), 6:2 Fluorotelomersulfonate (6:2FTS)*
DXR293	*FRCHD01-GW-004*	*Perfluorohexanoic acid (PFHxA), Perfluorohexanesulfonate (PFHxS), Perfluorooctanesulfonate (PFOS), 6:2 Fluorotelomersulfonate (6:2FTS)*
DXR294	*FRCHD01-GW-005*	*Perfluorohexanoic acid (PFHxA), Perfluorohexanesulfonate (PFHxS), Perfluorooctanesulfonate (PFOS), 6:2 Fluorotelomersulfonate (6:2FTS)*

Detection limits were adjusted accordingly.

The 10x diluted sample for DXR293 *(FRCHD01-GW-004*) was analyzed immediately after a sample containing high concentration of Perfluorohexanoic acid (PFHxA). Because a re-injection was not performed to eliminate potential carryover from the previous sample, the result for this analyte was reported using data from the 50x diluted sample. Detection limit was adjusted accordingly.

QC Samples

Matrix Spike and Matrix Spike Duplicate (MS/MSD) was not performed on sample DXR292 *(FRCHD01-GW-003)* on QC batch 4872075 (2017/03/08) due to high concentrations of target analytes in the native sample. A Matrix Duplicate (MD) was performed on this sample instead.

Internal Standard Responses

Isotopically labeled $^{13}C_2$-Perfluorododecanoic acid (MPFDoA) and $^{13}C_2$-Perfluorotetradecanoic acid (MPFTeDA) are used as internal standards to quantify native Perfluorododecanoic acid (PFDoA) and Perfluorotridecanoic acid (PFTrDA) & Perfluorotetradecanoic acid (PFTeDA) respectively. When compared to the most recent CCV, the instrument responses observed for the specified labeled compounds were below the defined lower control limit (LCL) for the following samples:

DXR288	*FRCHD01-BLK-01*	*(MPFTeDA)*
DXR289	*FRCHD01-DUP01*	*(MPFDoA)*
DXR291	*FRCHD01-GW-002*	*(MPFTeDA)*
DXR292	*FRCHD01-GW-003*	*(MPFTeDA)*

The instrument responses for the injection standard ($^{13}C_9$-Perfluorodecanoic acid, $^{13}C_9$-PFDA) fell within the required tolerance limits. This indicates that the responses observed for these isotopically labeled internal standards were not a result of poor or inconsistent sample introduction into the liquid chromatograph/tandem mass spectrometer (LC/MS/MS).

When quantifying analytes using isotope dilution techniques, the isotopically labeled standards differ from the native compounds only in the presence of the stable isotopes. The physical and chemical behavior of each labeled compound is virtually identical to its unlabeled or "native" analog. Any losses (or apparent gain) of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar loss (or apparent gain) of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the low (or high) recoveries, provided the instrument response for the native and labeled compounds is distinguishable from the instrument or background noise.

Sin Chii Chia, B.Sc.
schia@maxxam.ca
Office 905 817 5700

PROJECT NARRATIVE

Maxxam Analytics
Client Project #: 775303101

Client: CT Laboratories LLC
Client Project: 775303101

I. SAMPLE RECEIPT/ANALYSIS

a) Sample Listing

Maxxam ID	Client Sample ID	Date Sampled	Date Received	Date Prepped	Date Run	Initial Calibration
PFOS and PFOA in water						
DXR288	FRCHD01-BLK-01	2017/02/15	2017/02/16	2017/02/22	2017/03/08	2017/03/08
DXR289	FRCHD01-DUP01	2017/02/14	2017/02/16	2017/02/22	2017/03/08	2017/03/08
DXR290	FRCHD01-GW-001	2017/02/15	2017/02/16	2017/02/22	2017/03/08	2017/03/08
DXR291	FRCHD01-GW-002	2017/02/14	2017/02/16	2017/02/22	2017/03/08	2017/03/08
DXR292	FRCHD01-GW-003	2017/02/14	2017/02/16	2017/03/06	2017/03/08	2017/03/08
DXR292 Dup	FRCHD01-GW-003	2017/02/14	2017/02/16	2017/03/06	2017/03/08	2017/03/08
DXR293	FRCHD01-GW-004	2017/02/15	2017/02/16	2017/02/22	2017/03/08	2017/03/08
DXR294	FRCHD01-GW-005	2017/02/15	2017/02/16	2017/02/22	2017/03/08	2017/03/08

Run Date is defined as the date of injection of the last calibration standard (12 hours or less) prior to the samples analyzed within that run sequence. Therefore the time of calibration injection that defines the run date is always within 12 hours of the time of sample injection.

b) Shipping Problems: none encountered

c) Documentation Problems: none encountered

II. SAMPLE PREP:

No problems encountered

III. SAMPLE ANALYSIS:

See also comments within the appropriate Certificate of Analysis

a) Hold Times: all within recommended hold times

b) Instrument Calibration: all within control limits

c) Quality Control: All applicable QC meets control criteria, except where otherwise noted.

d) All analytes requiring manual intergration(s) are noted on the sample chromatograms

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for other than the conditions detailed above.

In addition, I certify, that to the best of my knowledge and belief, the data as reported are true and accurate. Release of the data contained in this data package has been authorized by the cognizant laboratory official or his/her designee, as verified by this signature.

Steph Pallen

Project Manager- Site Assessment and Remediation/ Ultra Trace

2017/03/17
Date



2. Sample Management Records

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



2.1 Sample Custody

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

AIR

amec foster wheeler

Amec Foster Wheeler Environment & Infrastructure
7376 SW Durham Road
Portland, OR 97224
(503) 639-3400

SHIP TO:
MAXXAM
299 Cayuga Rd
Cheektowaga, NY 14225
Attn: Melissa DiGrazia
Lab Phone: 800-563-8266

CHAIN OF CUSTODY

DATE: 2/15/2017
COC #: FRCHD170215A
PAGE: 1 OF 1

Project Name:	Fairchild AFB, WA	Project Contact:	Joe Fassio	Bill To: Amec Foster Wheeler Environment & Infrastructure	Disposal Instructions: LAB
Project Number:	775303101	Phone Number:	(503) 639-3400	9210 Sky Park Court #200	Shipment Method: FEDEX
Project Manager:	Melissa Helton	Project Phase:	0012.0200	San Diego, CA 92123	Waybill Number: N/A

No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	PFCs (LC/MS/MS)	RUSH 24 Hour	RUSH 48 Hour	RUSH 72 Hour	RUSH 5 Days	TOTAL BOTTLES	HOLD All Analyses
1	FRCHD01-BLK-01	02/15/17 13:45	WQ	FB	N	X					1	
2	FRCHD01-DUP01	02/14/17 11:42	WG	FD	N	X					1	
3	FRCHD01-GW-001	02/15/17 13:31	WG	N	N	X					1	
4	FRCHD01-GW-002	02/14/17 11:42	WG	N	N	X					1	
5	FRCHD01-GW-003	02/14/17 13:37	WG	N	Y	X					3	
6	FRCHD01-GW-004	02/15/17 10:14	WG	N	N	X					1	
7	FRCHD01-GW-005	02/15/17 09:06	WG	N	N	X					1	
8												
9												
10												
11												
12												

16-Feb-17 14:30
Cristina (Maria) Bacchus
B732816
GK1 ENV-967

Sampler's Signature: Joe Fassio Date: 2/15/17 Time: 1530

Relinquished By/Affiliation: Joe Fassio Date: 2/15/17 Time: 1530

Received By: [signature] Date: 2/16/17 Time: 14:30

Relinquished By/Affiliation: Date: Time:

Received By: Date: Time:

Relinquished By/Affiliation: Date: Time:

Received By (LAB): Date: Time:

For Lab Use

Does COC match samples:	Y or N	
Broken Container:	Y or N	
COC seal intact:	Y or N	
Other problems:	Y or N	
WSDOT contacted:	Y or N	
Date contacted:		
Cooler Temperature at receipt:	2.1/3.3/3.2 °C	

Comments:
X=Analyze H=Hold Analysis Request

NUMBER OF COOLERS SENT: 1



3. Analytical Results

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



3.1 Summary Report

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Your Project #: 775303101
Your C.O.C. #: na

Attention:Fairchild AFB reporting group

CT Laboratories LLC
1230 Lange Court
Baraboo, WI
USA 53913

Report Date: 2017/03/10
Report #: R4387665
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B732816
Received: 2017/02/16, 14:30

Sample Matrix: Water
Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
PFOS and PFOA in water	6	2017/02/22	2017/03/08	CAM SOP-00894	EPA 537 m
PFOS and PFOA in water	1	2017/03/06	2017/03/08	CAM SOP-00894	EPA 537 m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test metl :ed modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding (lt in the apparent difference.

Encryption Key M Di Grazia

Please direct all questions regarding this Certific Project Manager.
Melissa DiGrazia, Customer Experience Team Le
Email: MDiGrazia@maxxam.ca
Phone# (905) 332-8788

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

RESULTS OF ANALYSES OF WATER

Maxxam ID		DXR288				DXR289				
Sampling Date		2017/02/15 13:45				2017/02/14 11:42				
COC Number		na				na				
	UNITS	FRCHD01-BLK-01	DL	LOD	LOQ	FRCHD01-DUP01	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	0.014 U	0.0065	0.014	0.020	37 (1)	0.33	0.70	1.0	4872075
8:2 Fluorotelomer sulfonate	ug/L	0.014 U	0.0055	0.014	0.020	2.0 (2)	0.055	0.14	0.20	4872075
EtFOSAA	ug/L	0.010 U	0.0040	0.010	0.020	0.082 J (2)	0.040	0.10	0.20	4872075
MeFOSAA	ug/L	0.010 U	0.0043	0.010	0.020	0.049 J (2)	0.043	0.10	0.20	4872075
Perfluorobutane Sulfonate (PFBS)	ug/L	0.0070 U	0.0019	0.0070	0.020	1.7 (2)	0.019	0.070	0.20	4872075
Perfluorodecanoic Acid (PFDA)	ug/L	0.014 U	0.0066	0.014	0.020	0.14 U (2)	0.066	0.14	0.20	4872075
Perfluorododecanoic Acid (PFDoA)	ug/L	0.014 U	0.0057	0.014	0.020	0.14 U (2)	0.057	0.14	0.20	4872075
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.010 U	0.0047	0.010	0.020	1.3 (2)	0.047	0.10	0.20	4872075
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.010 U	0.0040	0.010	0.020	16 (1)	0.20	0.50	1.0	4872075
Perfluorohexanoic Acid (PFHxA)	ug/L	0.010 U	0.0046	0.010	0.020	7.1 (2)	0.046	0.10	0.20	4872075
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.014 U	0.0053	0.014	0.020	3.0 (2)	0.053	0.14	0.20	4872075
Perfluorononanoic Acid (PFNA)	ug/L	0.010 U	0.0046	0.010	0.020	0.15 J (2)	0.046	0.10	0.20	4872075
Perfluorooctane Sulfonate (PFOS)	ug/L	0.010 U	0.0033	0.010	0.020	22 (1)	0.17	0.50	1.0	4872075
Perfluorotetradecanoic Acid	ug/L	0.014 U	0.0052	0.014	0.020	0.14 U (2)	0.052	0.14	0.20	4872075
Perfluorotridecanoic Acid	ug/L	0.010 U	0.0032	0.010	0.020	0.10 U (2)	0.032	0.10	0.20	4872075
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.010 U	0.0037	0.010	0.020	0.059 J (2)	0.037	0.10	0.20	4872075
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	114				95				4872075
13C2-8:2 Fluorotelomer sulfonate	%	102				94				4872075
13C2-Perfluorodecanoic acid	%	89				88				4872075
13C2-Perfluorododecanoic acid	%	70				53 (3)				4872075
13C2-Perfluorohexanoic acid	%	94				84				4872075
13C2-perfluorotetradecanoic acid	%	67				75				4872075
13C2-Perfluoroundecanoic acid	%	69				70				4872075
13C4-Perfluoroheptanoic acid	%	89				83				4872075

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

(1) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

(3) Surrogate recovery was below the defined lower control limit (LCL). Laboratory spiked water resulted in satisfactory recovery of the surrogate. When considered together, these QC data suggest that matrix interferences may be biasing the data low. Because quantitation is performed using isotope dilution techniques, any losses of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar loss of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the low surrogate recovery.

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

RESULTS OF ANALYSES OF WATER

Maxxam ID		DXR288				DXR289				
Sampling Date		2017/02/15 13:45				2017/02/14 11:42				
COC Number		na				na				
	UNITS	FRCHD01-BLK-01	DL	LOD	LOQ	FRCHD01-DUP01	DL	LOD	LOQ	QC Batch
13C4-Perfluorooctanesulfonate	%	94				94				4872075
13C4-Perfluorooctanoic acid	%	83				88				4872075
13C5-Perfluorononanoic acid	%	84				78				4872075
13C6-Perfluorohexanoic Acid	%	104				111				4872075
13C9-Perfluorodecanoic Acid	%	107				115				4872075
18O2-Perfluorohexanesulfonate	%	99				87				4872075

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

RESULTS OF ANALYSES OF WATER

Maxxam ID		DXR290				DXR291				
Sampling Date		2017/02/15 13:31				2017/02/14 11:42				
COC Number		na				na				
	UNITS	FRCHD01-GW-001	DL	LOD	LOQ	FRCHD01-GW-002	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	79 (1)	0.65	1.4	2.0	35 (2)	0.33	0.70	1.0	4872075
8:2 Fluorotelomer sulfonate	ug/L	3.0 (3)	0.055	0.14	0.20	1.8 (3)	0.055	0.14	0.20	4872075
EtFOSAA	ug/L	0.10 U (3)	0.040	0.10	0.20	0.10 U (3)	0.040	0.10	0.20	4872075
MeFOSAA	ug/L	0.10 U (3)	0.043	0.10	0.20	0.10 U (3)	0.043	0.10	0.20	4872075
Perfluorobutane Sulfonate (PFBS)	ug/L	2.7 (3)	0.019	0.070	0.20	1.7 (3)	0.019	0.070	0.20	4872075
Perfluorodecanoic Acid (PFDA)	ug/L	0.14 U (3)	0.066	0.14	0.20	0.14 U (3)	0.066	0.14	0.20	4872075
Perfluorododecanoic Acid (PFDoA)	ug/L	0.14 U (3)	0.057	0.14	0.20	0.14 U (3)	0.057	0.14	0.20	4872075
Perfluoroheptanoic Acid (PFHpA)	ug/L	3.3 (3)	0.047	0.10	0.20	1.2 (3)	0.047	0.10	0.20	4872075
Perfluorohexane Sulfonate (PFHxS)	ug/L	56 (1)	0.40	1.0	2.0	15 (2)	0.20	0.50	1.0	4872075
Perfluorohexanoic Acid (PFHxA)	ug/L	16 (2)	0.23	0.50	1.0	7.1 (3)	0.046	0.10	0.20	4872075
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	22 (2)	0.27	0.70	1.0	3.5 (3)	0.053	0.14	0.20	4872075
Perfluorononanoic Acid (PFNA)	ug/L	0.74 (3)	0.046	0.10	0.20	0.13 J (3)	0.046	0.10	0.20	4872075
Perfluorooctane Sulfonate (PFOS)	ug/L	55 (1)	0.33	1.0	2.0	21 (2)	0.17	0.50	1.0	4872075
Perfluorotetradecanoic Acid	ug/L	0.14 U (3)	0.052	0.14	0.20	0.14 U (3)	0.052	0.14	0.20	4872075
Perfluorotridecanoic Acid	ug/L	0.10 U (3)	0.032	0.10	0.20	0.10 U (3)	0.032	0.10	0.20	4872075
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.10 U (3)	0.037	0.10	0.20	0.10 U (3)	0.037	0.10	0.20	4872075
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	91				98				4872075
13C2-8:2 Fluorotelomer sulfonate	%	79				87				4872075
13C2-Perfluorodecanoic acid	%	67 (4)				86				4872075
13C2-Perfluorododecanoic acid	%	73				71				4872075
13C2-Perfluorohexanoic acid	%	96				82				4872075
13C2-perfluorotetradecanoic acid	%	66				67				4872075

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

(1) Due to high concentration of the target analyte, sample required 100x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.

(3) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

(4) Surrogate recovery was below the defined lower control limit (LCL). Laboratory spiked water resulted in satisfactory recovery of the surrogate. When considered together, these QC data suggest that matrix interferences may be biasing the data low. Because quantitation is performed using isotope dilution techniques, any losses of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar loss of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the low surrogate recovery.

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

RESULTS OF ANALYSES OF WATER

Maxxam ID		DXR290				DXR291				
Sampling Date		2017/02/15 13:31				2017/02/14 11:42				
COC Number		na				na				
	UNITS	FRCHD01-GW-001	DL	LOD	LOQ	FRCHD01-GW-002	DL	LOD	LOQ	QC Batch
13C2-Perfluoroundecanoic acid	%	70				74				4872075
13C4-Perfluoroheptanoic acid	%	71				73				4872075
13C4-Perfluorooctanesulfonate	%	84				95				4872075
13C4-Perfluorooctanoic acid	%	89				69 (1)				4872075
13C5-Perfluorononanoic acid	%	68 (1)				77				4872075
13C6-Perfluorohexanoic Acid	%	121				120				4872075
13C9-Perfluorodecanoic Acid	%	122				120				4872075
18O2-Perfluorohexanesulfonate	%	91				98				4872075

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Surrogate recovery was below the defined lower control limit (LCL). Laboratory spiked water resulted in satisfactory recovery of the surrogate. When considered together, these QC data suggest that matrix interferences may be biasing the data low. Because quantitation is performed using isotope dilution techniques, any losses of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar loss of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the low surrogate recovery.

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

RESULTS OF ANALYSES OF WATER

Maxxam ID		DXR292	DXR292	DXR293				
Sampling Date		2017/02/14 13:37	2017/02/14 13:37	2017/02/15 10:14				
COC Number		na	na	na				
	UNITS	FRCHD01-GW-003	FRCHD01-GW-003 Lab-Dup	FRCHD01-GW-004	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	46 (1)	45 (1)	34 (1)	0.33	0.70	1.0	4872075
8:2 Fluorotelomer sulfonate	ug/L	8.9 (2)	8.4 (2)	0.14 U (2)	0.055	0.14	0.20	4872075
EtFOSAA	ug/L	0.10 U (2)	0.10 U (2)	0.10 U (2)	0.040	0.10	0.20	4872075
MeFOSAA	ug/L	0.10 U (2)	0.10 U (2)	0.10 U (2)	0.043	0.10	0.20	4872075
Perfluorobutane Sulfonate (PFBS)	ug/L	2.4 (2)	2.5 (2)	1.8 (2)	0.019	0.070	0.20	4872075
Perfluorodecanoic Acid (PFDA)	ug/L	0.072 J (2)	0.067 J (2)	0.14 U (2)	0.066	0.14	0.20	4872075
Perfluorododecanoic Acid (PFDoA)	ug/L	0.14 U (2)	0.14 U (2)	0.14 U (2)	0.057	0.14	0.20	4872075
Perfluoroheptanoic Acid (PFHpA)	ug/L	2.7 (2)	2.8 (2)	0.69 (2)	0.047	0.10	0.20	4872075
Perfluorohexane Sulfonate (PFHxS)	ug/L	26 (1)	25 (1)	11 (1)	0.20	0.50	1.0	4872075
Perfluorohexanoic Acid (PFHxA)	ug/L	11 (1)	13 (1)	5.7 (1)	0.23	0.50	1.0	4872075
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	7.9 (2)	7.4 (2)	1.1 (2)	0.053	0.14	0.20	4872075
Perfluorononanoic Acid (PFNA)	ug/L	0.32 (2)	0.33 (2)	0.10 U (2)	0.046	0.10	0.20	4872075
Perfluorooctane Sulfonate (PFOS)	ug/L	41 (1)	45 (1)	11 (1)	0.17	0.50	1.0	4872075
Perfluorotetradecanoic Acid	ug/L	0.14 U (2)	0.14 U (2)	0.14 U (2)	0.052	0.14	0.20	4872075
Perfluorotridecanoic Acid	ug/L	0.10 U (2)	0.10 U (2)	0.10 U (2)	0.032	0.10	0.20	4872075
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.10 U (2)	0.052 J (2)	0.10 U (2)	0.037	0.10	0.20	4872075
Surrogate Recovery (%)								
13C2-6:2 Fluorotelomer sulfonate	%	101	97	101				4872075
13C2-8:2 Fluorotelomer sulfonate	%	84	100	91				4872075
13C2-Perfluorodecanoic acid	%	80	99	69 (3)				4872075
13C2-Perfluorododecanoic acid	%	74	79	85				4872075
13C2-Perfluorohexanoic acid	%	97	76	85				4872075
13C2-perfluorotetradecanoic acid	%	65	72	74				4872075
13C2-Perfluoroundecanoic acid	%	69	91	75				4872075

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

(1) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

(3) Surrogate recovery was below the defined lower control limit (LCL). Laboratory spiked water resulted in satisfactory recovery of the surrogate. When considered together, these QC data suggest that matrix interferences may be biasing the data low. Because quantitation is performed using isotope dilution techniques, any losses of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar loss of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the low surrogate recovery.

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

RESULTS OF ANALYSES OF WATER

Maxxam ID		DXR292	DXR292	DXR293				
Sampling Date		2017/02/14 13:37	2017/02/14 13:37	2017/02/15 10:14				
COC Number		na	na	na				
	UNITS	FRCHD01-GW-003	FRCHD01-GW-003 Lab-Dup	FRCHD01-GW-004	DL	LOD	LOQ	QC Batch
13C4-Perfluoroheptanoic acid	%	89	86	83				4872075
13C4-Perfluorooctanesulfonate	%	105	91	86				4872075
13C4-Perfluorooctanoic acid	%	85	99	88				4872075
13C5-Perfluorononanoic acid	%	90	92	78				4872075
13C6-Perfluorohexanoic Acid	%	108	99	110				4872075
13C9-Perfluorodecanoic Acid	%	111	101	111				4872075
18O2-Perfluorohexanesulfonate	%	94	93	88				4872075

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

RESULTS OF ANALYSES OF WATER

Maxxam ID		DXR294				
Sampling Date		2017/02/15 09:06				
COC Number		na				
	UNITS	FRCHD01-GW-005	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	39 (1)	0.33	0.70	1.0	4872075
8:2 Fluorotelomer sulfonate	ug/L	1.4 (2)	0.055	0.14	0.20	4872075
EtFOSAA	ug/L	0.10 U (2)	0.040	0.10	0.20	4872075
MeFOSAA	ug/L	0.10 U (2)	0.043	0.10	0.20	4872075
Perfluorobutane Sulfonate (PFBS)	ug/L	2.9 (2)	0.019	0.070	0.20	4872075
Perfluorodecanoic Acid (PFDA)	ug/L	0.14 U (2)	0.066	0.14	0.20	4872075
Perfluorododecanoic Acid (PFDoA)	ug/L	0.14 U (2)	0.057	0.14	0.20	4872075
Perfluoroheptanoic Acid (PFHpA)	ug/L	2.2 (2)	0.047	0.10	0.20	4872075
Perfluorohexane Sulfonate (PFHxS)	ug/L	30 (1)	0.20	0.50	1.0	4872075
Perfluorohexanoic Acid (PFHxA)	ug/L	12 (1)	0.23	0.50	1.0	4872075
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	9.8 (2)	0.053	0.14	0.20	4872075
Perfluorononanoic Acid (PFNA)	ug/L	0.21 (2)	0.046	0.10	0.20	4872075
Perfluorooctane Sulfonate (PFOS)	ug/L	25 (1)	0.17	0.50	1.0	4872075
Perfluorotetradecanoic Acid	ug/L	0.14 U (2)	0.052	0.14	0.20	4872075
Perfluorotridecanoic Acid	ug/L	0.10 U (2)	0.032	0.10	0.20	4872075
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.10 U (2)	0.037	0.10	0.20	4872075
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	87				4872075
13C2-8:2 Fluorotelomer sulfonate	%	83				4872075
13C2-Perfluorodecanoic acid	%	101				4872075
13C2-Perfluorododecanoic acid	%	95				4872075
13C2-Perfluorohexanoic acid	%	86				4872075
13C2-perfluorotetradecanoic acid	%	99				4872075
13C2-Perfluoroundecanoic acid	%	91				4872075
13C4-Perfluoroheptanoic acid	%	85				4872075
13C4-Perfluorooctanesulfonate	%	94				4872075
13C4-Perfluorooctanoic acid	%	84				4872075
13C5-Perfluorononanoic acid	%	86				4872075
13C6-Perfluorohexanoic Acid	%	111				4872075
13C9-Perfluorodecanoic Acid	%	98				4872075

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

RESULTS OF ANALYSES OF WATER

Maxxam ID		DXR294				
Sampling Date		2017/02/15 09:06				
COC Number		na				
	UNITS	**FRCHD01-GW-005**	**DL**	**LOD**	**LOQ**	**QC Batch**
18O2-Perfluorohexanesulfonate	%	90				4872075

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

TEST SUMMARY

Maxxam ID: DXR288 **Collected:** 2017/02/15
Sample ID: FRCHD01-BLK-01 **Shipped:**
Matrix: Water **Received:** 2017/02/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4872075	2017/02/22	2017/03/08	Daniela Zupu

Maxxam ID: DXR289 **Collected:** 2017/02/14
Sample ID: FRCHD01-DUP01 **Shipped:**
Matrix: Water **Received:** 2017/02/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4872075	2017/02/22	2017/03/08	Daniela Zupu

Maxxam ID: DXR290 **Collected:** 2017/02/15
Sample ID: FRCHD01-GW-001 **Shipped:**
Matrix: Water **Received:** 2017/02/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4872075	2017/02/22	2017/03/08	Daniela Zupu

Maxxam ID: DXR291 **Collected:** 2017/02/14
Sample ID: FRCHD01-GW-002 **Shipped:**
Matrix: Water **Received:** 2017/02/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4872075	2017/02/22	2017/03/08	Daniela Zupu

Maxxam ID: DXR292 **Collected:** 2017/02/14
Sample ID: FRCHD01-GW-003 **Shipped:**
Matrix: Water **Received:** 2017/02/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4872075	2017/03/06	2017/03/08	Daniela Zupu

Maxxam ID: DXR292 Dup **Collected:** 2017/02/14
Sample ID: FRCHD01-GW-003 **Shipped:**
Matrix: Water **Received:** 2017/02/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4872075	2017/03/06	2017/03/08	Daniela Zupu

Maxxam ID: DXR293 **Collected:** 2017/02/15
Sample ID: FRCHD01-GW-004 **Shipped:**
Matrix: Water **Received:** 2017/02/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4872075	2017/02/22	2017/03/08	Daniela Zupu

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

TEST SUMMARY

Maxxam ID: DXR294
Sample ID: FRCHD01-GW-005
Matrix: Water

Collected: 2017/02/15
Shipped:
Received: 2017/02/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4872075	2017/02/22	2017/03/08	Daniela Zupu

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

GENERAL COMMENTS

Results relate only to the items tested.

55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
4872075	DZU	Spiked Blank	13C2-6:2 Fluorotelomer sulfonate	2017/03/08		103	%	70 - 130
			13C2-8:2 Fluorotelomer sulfonate	2017/03/08		102	%	70 - 130
			13C2-Perfluorodecanoic acid	2017/03/08		91	%	70 - 130
			13C2-Perfluorododecanoic acid	2017/03/08		86	%	60 - 120
			13C2-Perfluorohexanoic acid	2017/03/08		83	%	70 - 130
			13C2-perfluorotetradecanoic acid	2017/03/08		90	%	60 - 120
			13C2-Perfluoroundecanoic acid	2017/03/08		81	%	60 - 120
			13C4-Perfluoroheptanoic acid	2017/03/08		86	%	70 - 130
			13C4-Perfluorooctanesulfonate	2017/03/08		92	%	70 - 130
			13C4-Perfluorooctanoic acid	2017/03/08		86	%	70 - 130
			13C5-Perfluorononanoic acid	2017/03/08		71	%	70 - 130
			13C6-Perfluorohexanoic Acid	2017/03/08		105	%	50 - 150
			13C9-Perfluorodecanoic Acid	2017/03/08		99	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/03/08		92	%	70 - 130
			6:2 Fluorotelomer sulfonate	2017/03/08		93	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/03/08		89	%	70 - 130
			EtFOSAA	2017/03/08		92	%	70 - 130
			MeFOSAA	2017/03/08		98	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/03/08		98	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/03/08		102	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/03/08		97	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/03/08		96	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/03/08		100	%	70 - 130
			Perfluorotetradecanoic Acid	2017/03/08		74	%	70 - 130
			Perfluorotridecanoic Acid	2017/03/08		86	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/03/08		86	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/03/08		94	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/03/08		106	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/03/08		88	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/03/08		92	%	70 - 130
4872075	DZU	Spiked Blank DUP	13C2-6:2 Fluorotelomer sulfonate	2017/03/08		110	%	70 - 130
			13C2-8:2 Fluorotelomer sulfonate	2017/03/08		94	%	70 - 130
			13C2-Perfluorodecanoic acid	2017/03/08		83	%	70 - 130
			13C2-Perfluorododecanoic acid	2017/03/08		87	%	60 - 120
			13C2-Perfluorohexanoic acid	2017/03/08		93	%	70 - 130
			13C2-perfluorotetradecanoic acid	2017/03/08		90	%	60 - 120
			13C2-Perfluoroundecanoic acid	2017/03/08		100	%	60 - 120
			13C4-Perfluoroheptanoic acid	2017/03/08		89	%	70 - 130
			13C4-Perfluorooctanesulfonate	2017/03/08		95	%	70 - 130
			13C4-Perfluorooctanoic acid	2017/03/08		86	%	70 - 130
			13C5-Perfluorononanoic acid	2017/03/08		86	%	70 - 130
			13C6-Perfluorohexanoic Acid	2017/03/08		102	%	50 - 150
			13C9-Perfluorodecanoic Acid	2017/03/08		97	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/03/08		84	%	70 - 130
			6:2 Fluorotelomer sulfonate	2017/03/08		97	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/03/08		102	%	70 - 130
			EtFOSAA	2017/03/08		99	%	70 - 130
			MeFOSAA	2017/03/08		103	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/03/08		110	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/03/08		100	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/03/08		111	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/03/08		98	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/03/08		93	%	70 - 130
			Perfluorotetradecanoic Acid	2017/03/08		97	%	70 - 130

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluorotridecanoic Acid	2017/03/08		94	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/03/08		87	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/03/08		110	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/03/08		109	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/03/08		102	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/03/08		96	%	70 - 130
4872075	DZU	RPD	6:2 Fluorotelomer sulfonate	2017/03/08	4.8		%	30
			8:2 Fluorotelomer sulfonate	2017/03/08	14		%	30
			EtFOSAA	2017/03/08	7.1		%	30
			MeFOSAA	2017/03/08	4.8		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/03/08	12		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/03/08	2.6		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/03/08	13		%	30
			Perfluorohexanoic Acid (PFHxA)	2017/03/08	1.9		%	30
			Perfluorononanoic Acid (PFNA)	2017/03/08	6.6		%	30
			Perfluorotetradecanoic Acid	2017/03/08	27		%	30
			Perfluorotridecanoic Acid	2017/03/08	8.4		%	30
			Perfluoroundecanoic Acid (PFUnA)	2017/03/08	1.2		%	30
			Perfluorodecanoic Acid (PFDA)	2017/03/08	15		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/03/08	3.4		%	30
			Perfluoro-n-Octanoic Acid (PFOA)	2017/03/08	14		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/03/08	4.7		%	30
4872075	DZU	Method Blank	13C2-6:2 Fluorotelomer sulfonate	2017/03/08		104	%	70 - 130
			13C2-8:2 Fluorotelomer sulfonate	2017/03/08		90	%	70 - 130
			13C2-Perfluorodecanoic acid	2017/03/08		79	%	70 - 130
			13C2-Perfluorododecanoic acid	2017/03/08		75	%	60 - 120
			13C2-Perfluorohexanoic acid	2017/03/08		97	%	70 - 130
			13C2-perfluorotetradecanoic acid	2017/03/08		79	%	60 - 120
			13C2-Perfluoroundecanoic acid	2017/03/08		79	%	60 - 120
			13C4-Perfluoroheptanoic acid	2017/03/08		85	%	70 - 130
			13C4-Perfluorooctanesulfonate	2017/03/08		98	%	70 - 130
			13C4-Perfluorooctanoic acid	2017/03/08		96	%	70 - 130
			13C5-Perfluorononanoic acid	2017/03/08		101	%	70 - 130
			13C6-Perfluorohexanoic Acid	2017/03/08		102	%	50 - 150
			13C9-Perfluorodecanoic Acid	2017/03/08		106	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/03/08		90	%	70 - 130
			6:2 Fluorotelomer sulfonate	2017/03/08	0.014 U, LOD=0.014		ug/L	
			8:2 Fluorotelomer sulfonate	2017/03/08	0.014 U, LOD=0.014		ug/L	
			EtFOSAA	2017/03/08	0.010 U, LOD=0.010		ug/L	
			MeFOSAA	2017/03/08	0.010 U, LOD=0.010		ug/L	
			Perfluorobutane Sulfonate (PFBS)	2017/03/08	0.0070 U, LOD=0.0070		ug/L	
			Perfluoroheptanoic Acid (PFHpA)	2017/03/08	0.010 U, LOD=0.010		ug/L	
			Perfluorohexane Sulfonate (PFHxS)	2017/03/08	0.010 U, LOD=0.010		ug/L	
			Perfluorohexanoic Acid (PFHxA)	2017/03/08	0.010 U, LOD=0.010		ug/L	

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluorononanoic Acid (PFNA)	2017/03/08	0.010 U, LOD=0.010		ug/L	
			Perfluorotetradecanoic Acid	2017/03/08	0.014 U, LOD=0.014		ug/L	
			Perfluorotridecanoic Acid	2017/03/08	0.010 U, LOD=0.010		ug/L	
			Perfluoroundecanoic Acid (PFUnA)	2017/03/08	0.010 U, LOD=0.010		ug/L	
			Perfluorodecanoic Acid (PFDA)	2017/03/08	0.014 U, LOD=0.014		ug/L	
			Perfluorododecanoic Acid (PFDoA)	2017/03/08	0.014 U, LOD=0.014		ug/L	
			Perfluoro-n-Octanoic Acid (PFOA)	2017/03/08	0.014 U, LOD=0.014		ug/L	
			Perfluorooctane Sulfonate (PFOS)	2017/03/08	0.010 U, LOD=0.010		ug/L	
4872075	DZU	RPD - Sample/Sample Dup	6:2 Fluorotelomer sulfonate	2017/03/08	2.9 (1)		%	30
			8:2 Fluorotelomer sulfonate	2017/03/08	6.6 (2)		%	30
			EtFOSAA	2017/03/08	NC (2)		%	30
			MeFOSAA	2017/03/08	NC (2)		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/03/08	4.9 (2)		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/03/08	5.8 (2)		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/03/08	6.3 (1)		%	30
			Perfluorohexanoic Acid (PFHxA)	2017/03/08	17 (1)		%	30
			Perfluorononanoic Acid (PFNA)	2017/03/08	5.2 (2)		%	30
			Perfluorotetradecanoic Acid	2017/03/08	NC (2)		%	30
			Perfluorotridecanoic Acid	2017/03/08	NC (2)		%	30
			Perfluoroundecanoic Acid (PFUnA)	2017/03/08	NC (2)		%	30
			Perfluorodecanoic Acid (PFDA)	2017/03/08	NC (2)		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/03/08	NC (2)		%	30
			Perfluoro-n-Octanoic Acid (PFOA)	2017/03/08	6.7 (2)		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/03/08	11 (1)		%	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.

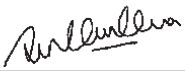
(2) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B732816
Report Date: 2017/03/10

CT Laboratories LLC
Client Project #: 775303101

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Sin Chii Chia, Scientific Services

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Analytics 55555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel: (905) 332-8788 Toll Free: (800) 668-0639 Fax: (905) 332-9169



METHOD 537

DETERMINATION OF SELECTED PERFLUORINATED ALKYL ACIDS IN DRINKING WATER BY SOLID PHASE EXTRACTION AND LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



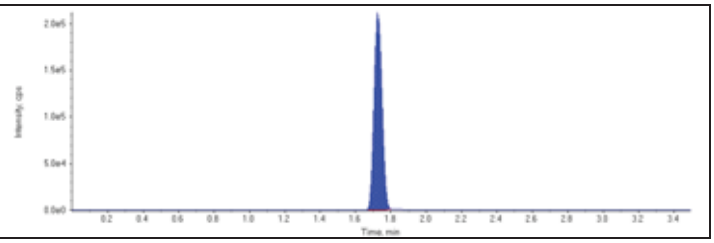
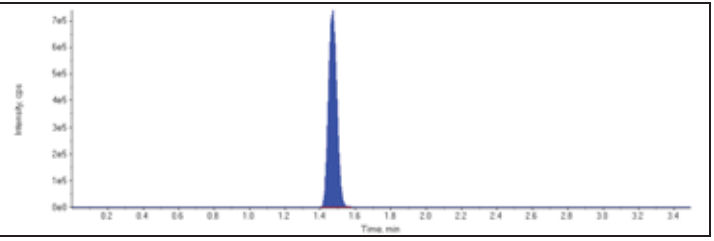
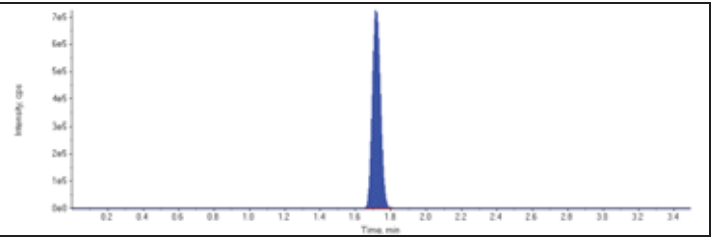
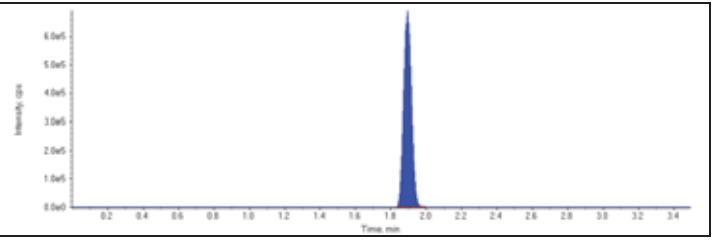
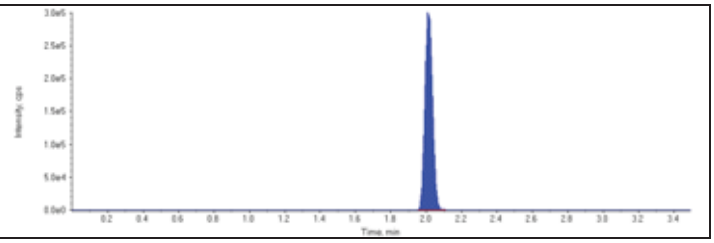
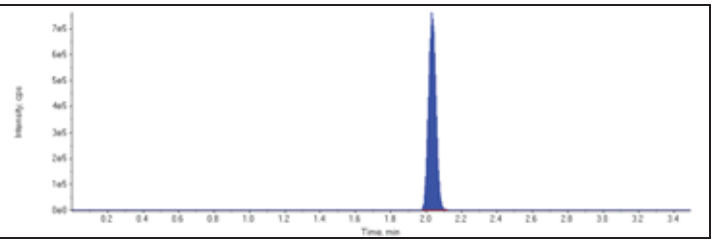
3.2 Sample Chromatograms

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Sample ID	4871838~DXR292-01 (10x)	**Injection Volume (µL)**	3
Sample Type	Unknown	**Injection Vial**	16
Acquisition Date	2017/02/27 5:34:58 PM	**Dilution Factor**	10.0
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Not Reported		

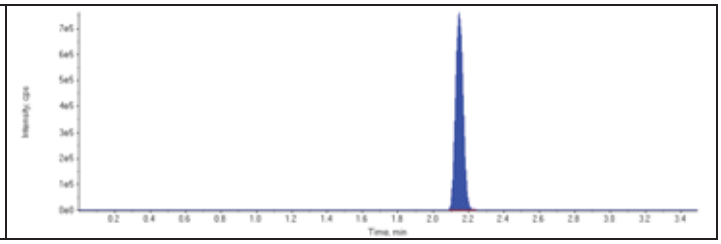
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	659000.	1.73	1.00	-
MPFHxA	2420000.	1.47	1.00	-
MPFHpA	2310000.	1.72	1.00	-
MPFOA	2130000.	1.89	1.00	-
MPFOS	915000.	2.01	1.00	-
MPFNA	2250000.	2.03	1.00	-
MPFDA	2240000.	2.15	1.00	-
MPFUnA	1750000.	2.24	1.00	-
MPFDoA	1480000.	2.33	1.00	-
MPFTeDA	815000.	2.46	1.00	-
M2 6:2 FTS	710000.	1.86	1.00	-
M2 8:2 FTS	669000.	2.12	1.00	-
13C6-PFHxA IS	1980000.	1.46	0.100	-
13C9-PFDA IS	5500000.	2.14	0.100	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	59100	1.19	N/A	3.29	N/A
PFHxA 1	413000	1.47	N/A	12.0	N/A
PFHxS 1	451000	1.72	N/A	27.7	N/A
PFHpA 1	51200	1.72	N/A	1.90	N/A
PFOA 1	136000	1.89	N/A	6.90	N/A
PFOS 1	569000	2.01	N/A	43.1	N/A
PFNA 1	8330	2.04	N/A	0.252	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	198000	1.86	N/A	43.1	N/A
8:2-FTS 1	72900	2.12	N/A	7.77	N/A
13C2-PFHxA	2420000	1.47	N/A	100.	N/A
18O2-PFHxS	659000	1.73	N/A	98.9	N/A
13C4-PFHpA	2310000	1.72	N/A	101.	N/A
13C4-PFOA	2130000	1.89	N/A	97.6	N/A
13C4-PFOS	915000	2.01	N/A	102.	N/A
13C5-PFNA	2250000	2.03	N/A	99.1	N/A
13C2-PFDA	2240000	2.15	N/A	87.9	N/A
13C2-PFUnA	1750000	2.24	N/A	87.4	N/A
13C2-PFDoA	1480000	2.33	N/A	81.3	N/A
13C2-PFTeDA	815000	2.46	N/A	57.2	N/A
13C2-8:2 FTS	669000	2.12	N/A	100.	N/A
13C6-PFHxA	1980000	1.46	N/A	977.	N/A
13C9-PFDA	5500000	2.14	N/A	1070.	N/A
13C2-6:2-FTS	710000	1.86	N/A	100.	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.73(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.43) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.72(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

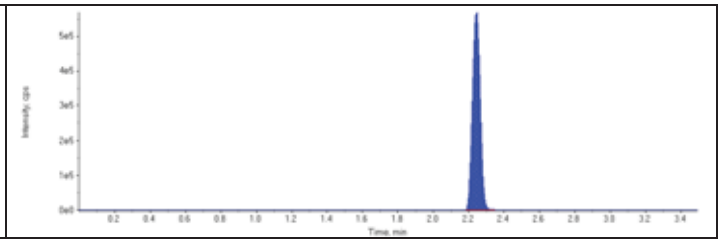
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



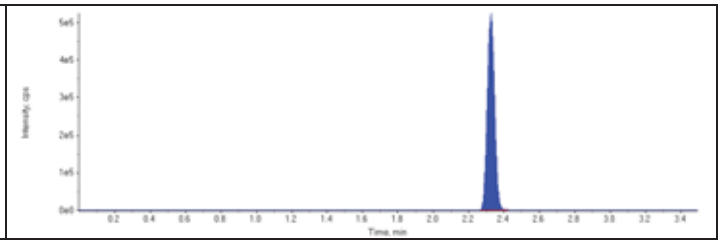
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



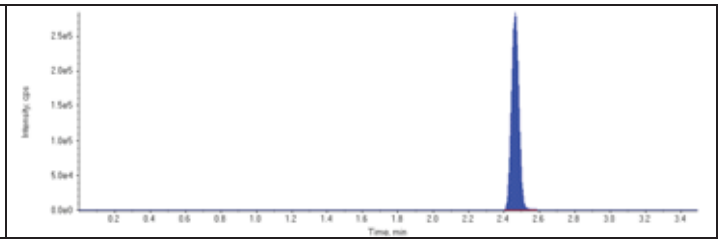
MPFDoA (Internal Standard)

RT (Exp. RT): 2.33(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



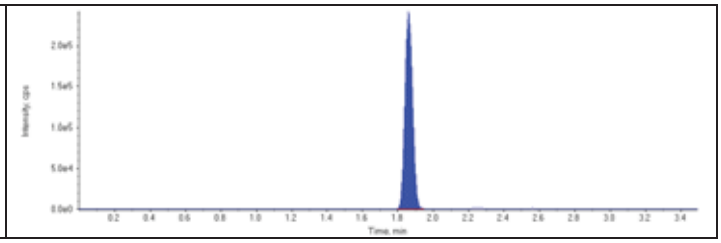
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



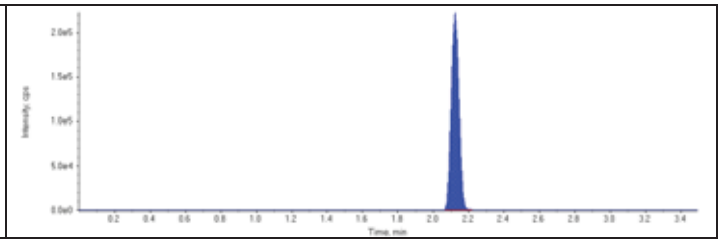
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



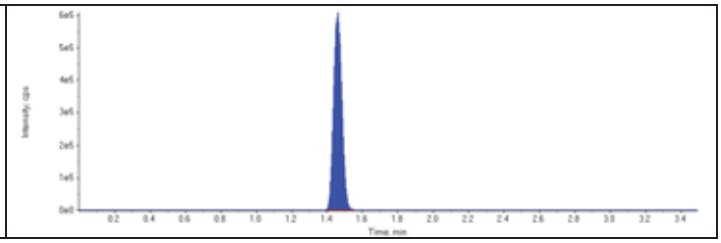
M2 8:2 FTS (Internal Standard)

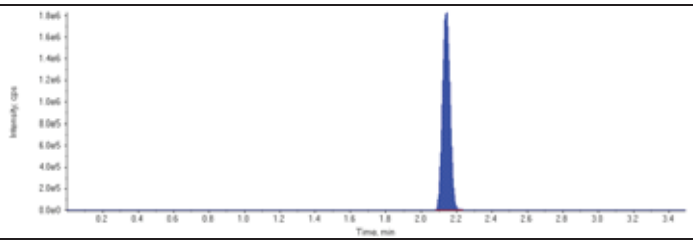
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

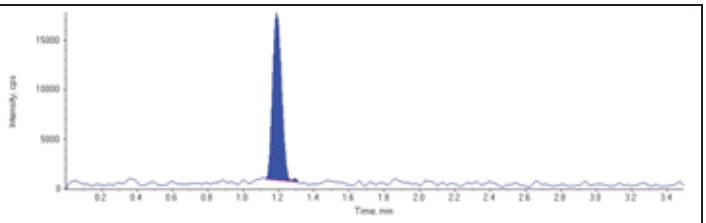
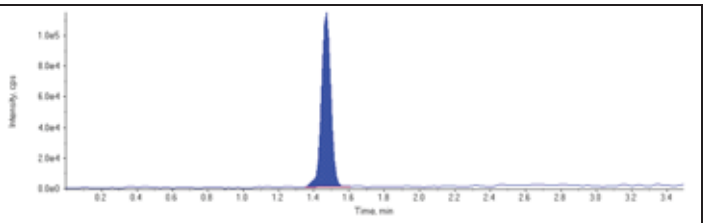
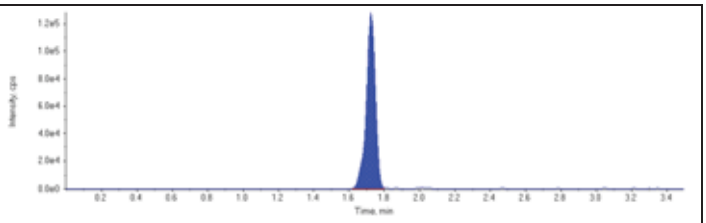
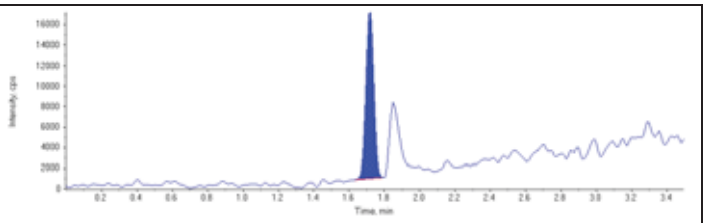
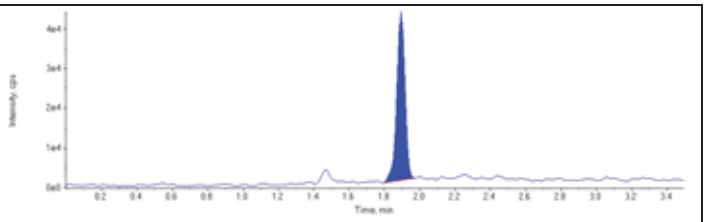
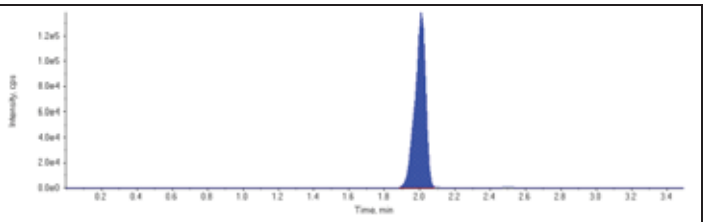


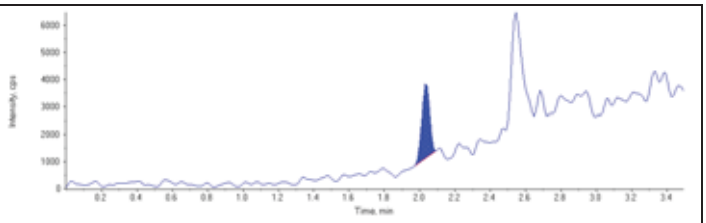
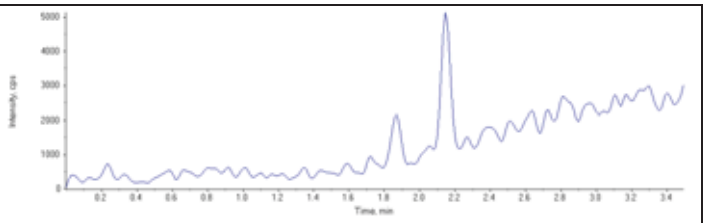
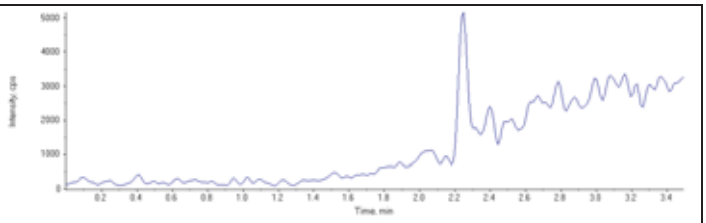
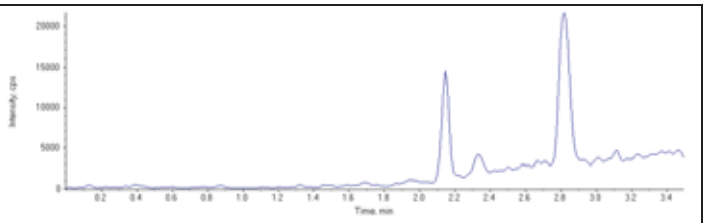
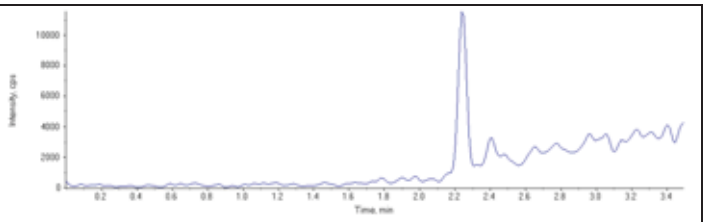
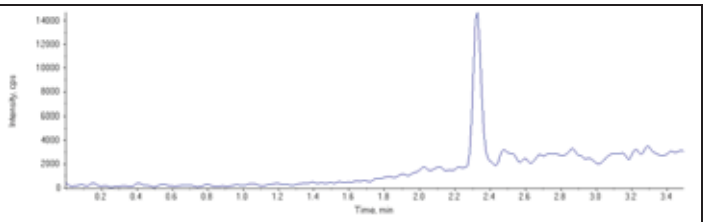
13C6-PFHxA IS (Internal Standard)

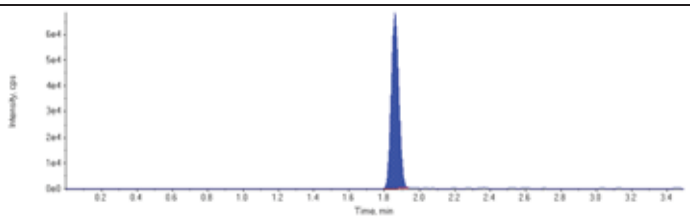
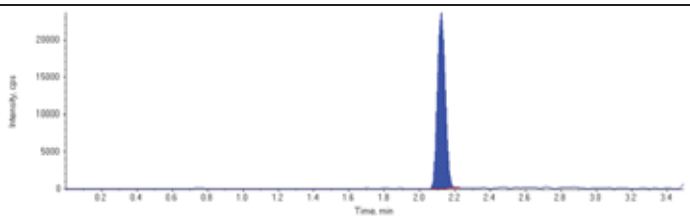
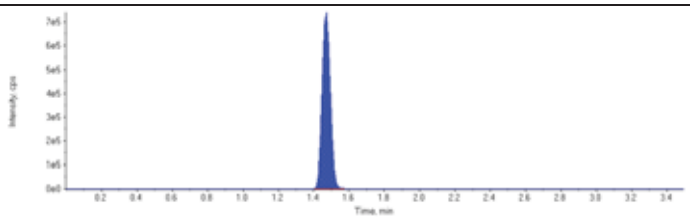
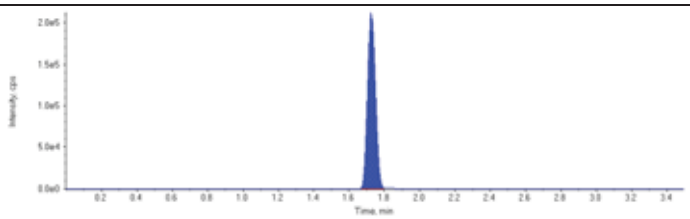
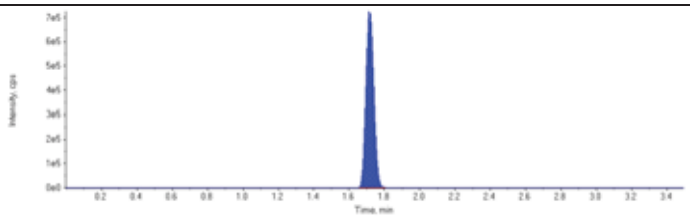
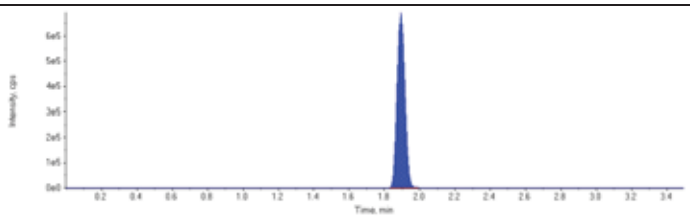
RT (Exp. RT): 1.46(1.42) min
Concentration: 0.100 ug/L
Sample Type: (Unknown)

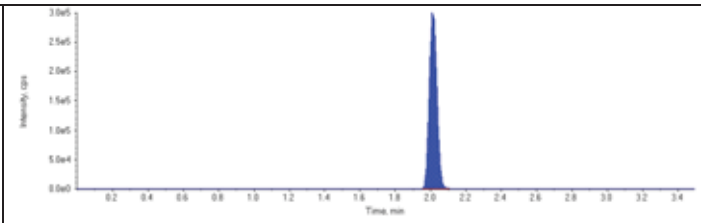
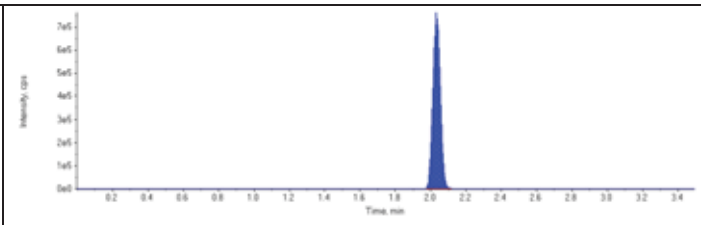
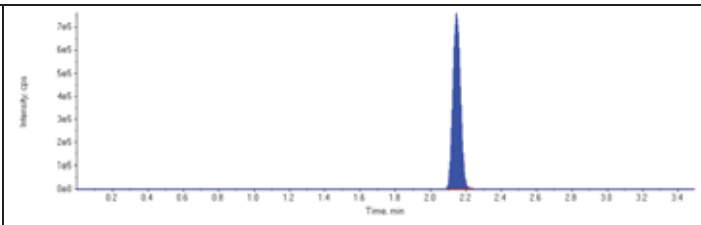
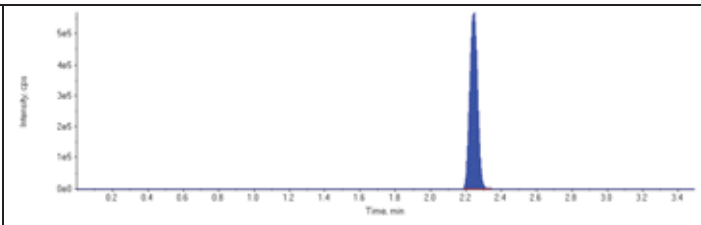
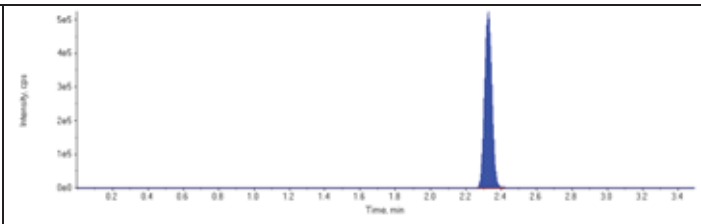
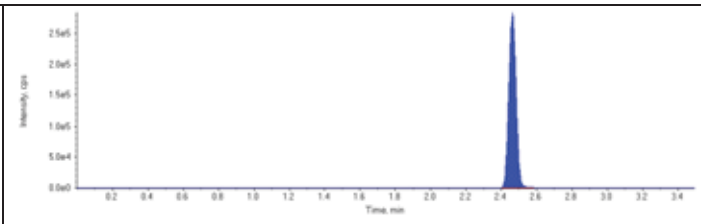


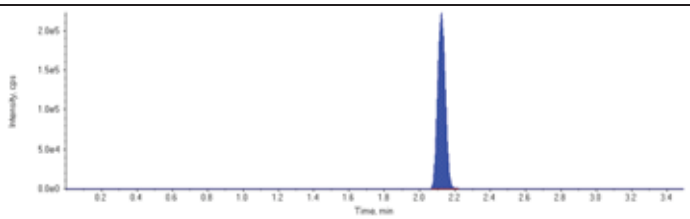
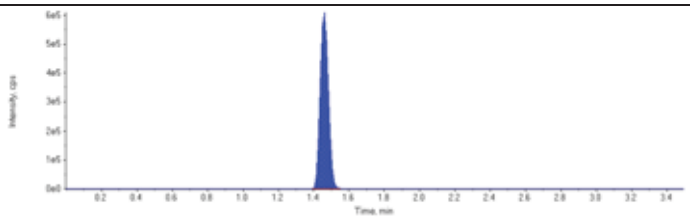
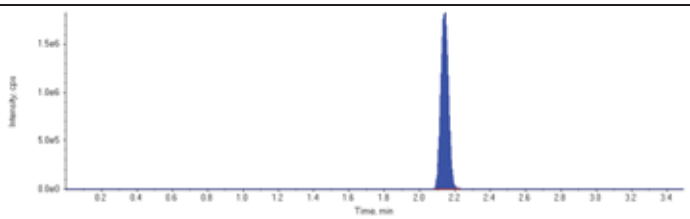
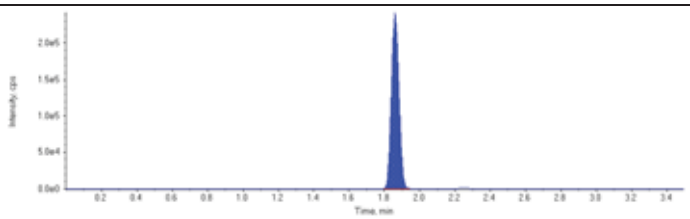
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.100 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 3.29 µg/L Area Ratio: 0.0896 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 12.0 µg/L Area Ratio: 0.171 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 27.7 µg/L Area Ratio: 0.685 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 1.90 µg/L Area Ratio: 0.0222 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 6.90 µg/L Area Ratio: 0.0639 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 43.1 µg/L Area Ratio: 0.622 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.04 (2.02) min Calculated Conc: 0.252 µg/L Area Ratio: 0.00370 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 43.1 µg/L Area Ratio: 0.279 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 7.77 µg/L Area Ratio: 0.109 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 100. µg/L Area Ratio: 1.22 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 98.9 µg/L Area Ratio: 0.333 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 101. µg/L Area Ratio: 1.17 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 97.6 µg/L Area Ratio: 1.08 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 102. µg/L Area Ratio: 0.462 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 99.1 µg/L Area Ratio: 1.14 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 87.9 µg/L Area Ratio: 0.407 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 87.4 µg/L Area Ratio: 0.318 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 81.3 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 57.2 µg/L Area Ratio: 0.148 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 100. µg/L Area Ratio: 0.338 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 977. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 1070. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 100. µg/L Area Ratio: 0.359 Sample Type: (Unknown)	

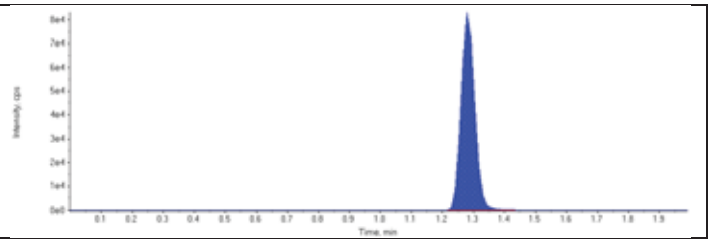
Sample ID	4871838~DXR292-01 (10x)	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	16
Acquisition Date	2017/02/27 9:40:43 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	Not reported		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	254000.	1.28	1.00	-
D5-EtFOSAA IS	238000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1480	1.30	N/A	0.0179	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	2500000	0.941	N/A	95.9	N/A

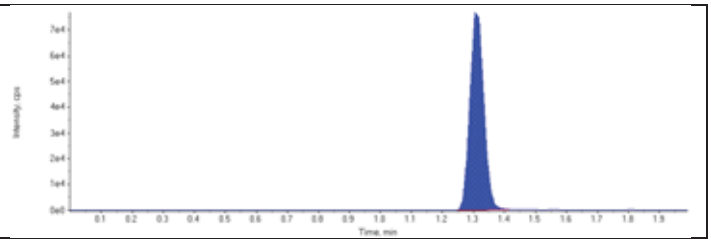
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

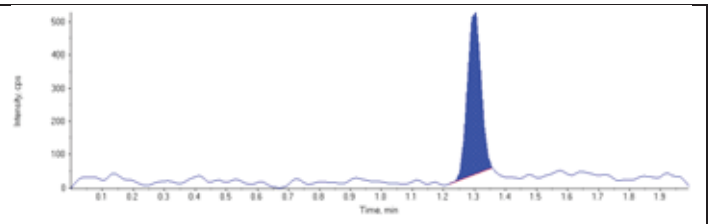
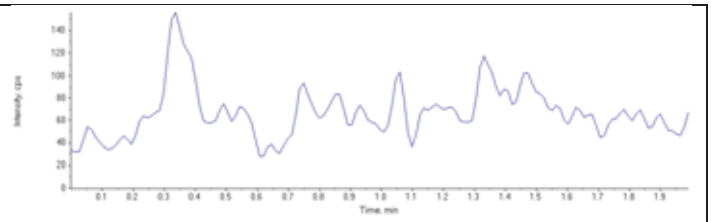
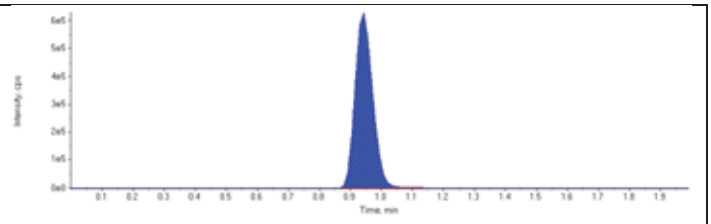
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.30 (1.30) min Calculated Conc: 0.0179 µg/L Area Ratio: 0.00582 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.941 (0.855) min Calculated Conc: 95.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

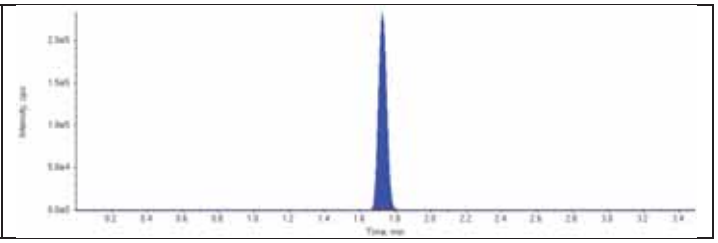
Sample ID	4871838~DXR292-01	**Injection Volume (µL)**	3
Sample Type	Unknown	**Injection Vial**	32
Acquisition Date	2017/02/27 7:27:07 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Re-injected to confirm surrogate recovery		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	727000.	1.73	1.00	-
MPFHxA	2350000.	1.47	1.00	-
MPFHpA	2310000.	1.72	1.00	-
MPFOA	2390000.	1.89	1.00	-
MPFOS	946000.	2.01	1.00	-
MPFNA	2410000.	2.03	1.00	-
MPFDA	2340000.	2.15	1.00	-
MPFUnA	1870000.	2.24	1.00	-
MPFDoA	1360000.	2.32	1.00	-
MPFTeDA	724000.	2.46	1.00	-
M2 6:2 FTS	862000.	1.86	1.00	-
M2 8:2 FTS	670000.	2.12	1.00	-
13C6-PFHxA IS	2050000.	1.46	1.00	-
13C9-PFDA IS	5200000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	710000	1.19	N/A	2.64	N/A
PFHxA 1	4250000	1.47	N/A	13.9	N/A
PFHxS 1	4860000	1.73	N/A	27.3	N/A
PFHpA 1	578000	1.72	N/A	2.82	N/A
PFOA 1	1560000	1.89	N/A	7.97	N/A
PFOS 1	6350000	2.01	N/A	45.6	N/A
PFNA 1	70700	2.03	N/A	0.336	N/A
PFDA 1	31000	2.15	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	2460000	1.86	N/A	42.9	N/A
8:2-FTS 1	770000	2.12	N/A	7.99	N/A
13C2-PFHxA	2350000	1.47	N/A	94.1	N/A
18O2-PFHxS	727000	1.73	N/A	105.	N/A
13C4-PFHpA	2310000	1.72	N/A	98.0	N/A
13C4-PFOA	2390000	1.89	N/A	105.	N/A
13C4-PFOS	946000	2.01	N/A	102.	N/A
13C5-PFNA	2410000	2.03	N/A	102.	N/A
13C2-PFDA	2340000	2.15	N/A	97.2	N/A
13C2-PFUnA	1870000	2.24	N/A	98.5	N/A
13C2-PFDoA	1360000	2.32	N/A	79.1	N/A
13C2-PFTeDA	724000	2.46	N/A	53.7	N/A
13C2-8:2 FTS	670000	2.12	N/A	97.0	N/A
13C6-PFHxA	2050000	1.46	N/A	101.	N/A
13C9-PFDA	5200000	2.14	N/A	101.	N/A
13C2-6:2-FTS	862000	1.86	N/A	118.	N/A

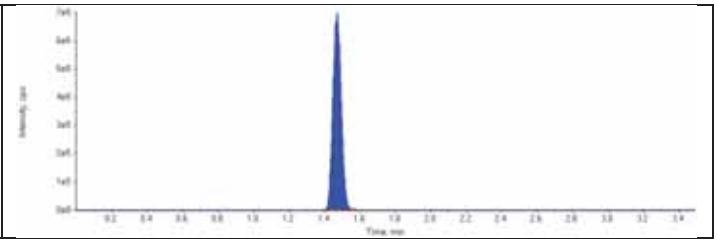
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



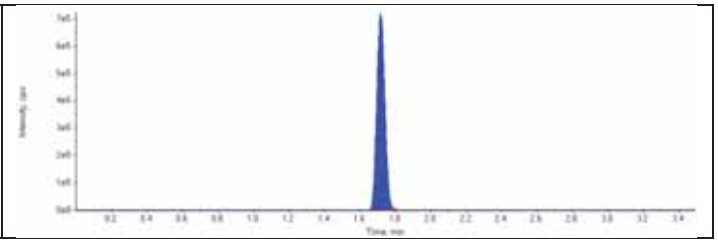
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



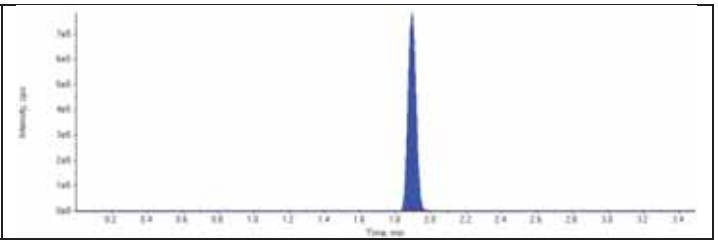
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



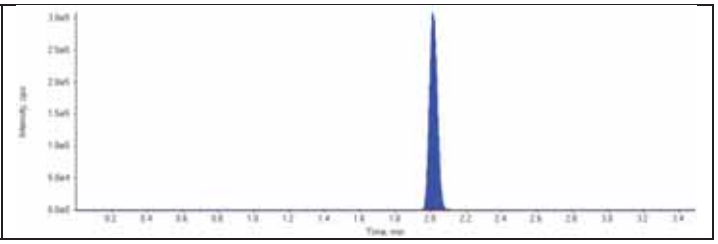
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



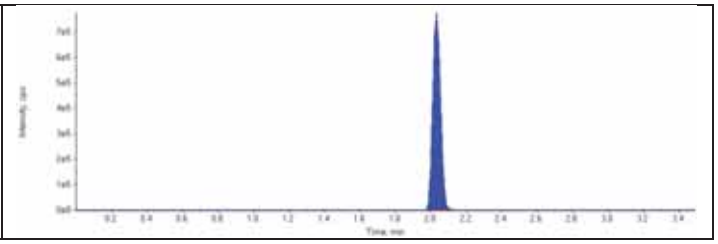
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



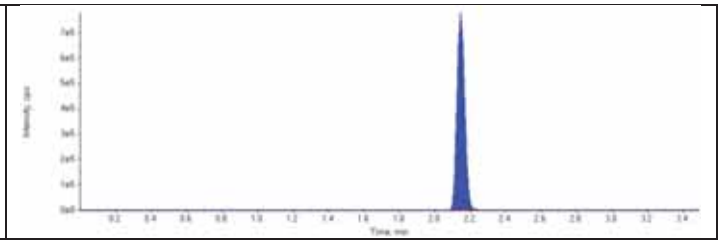
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



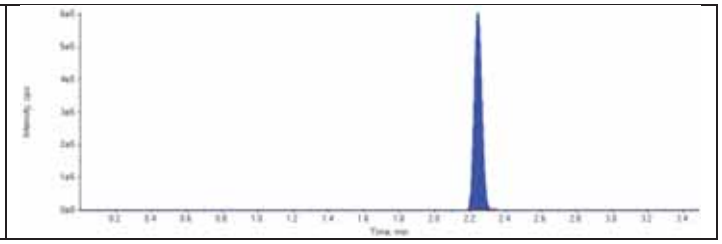
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



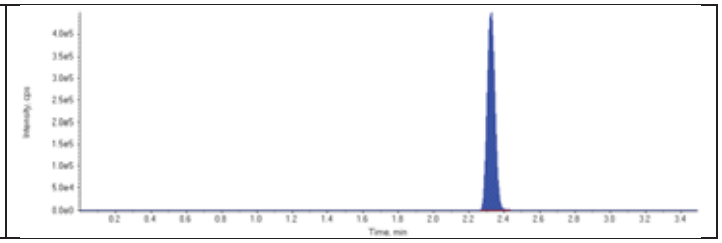
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



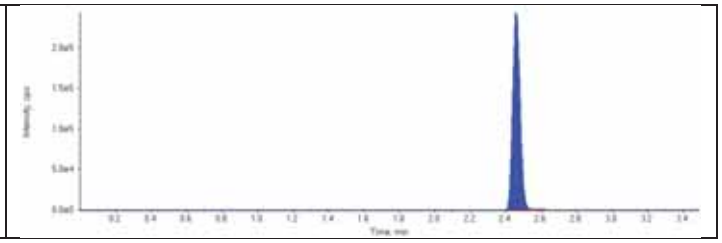
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



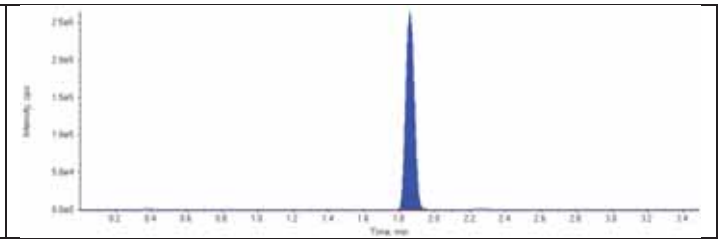
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



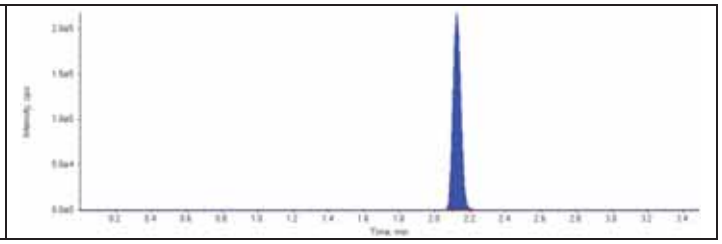
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



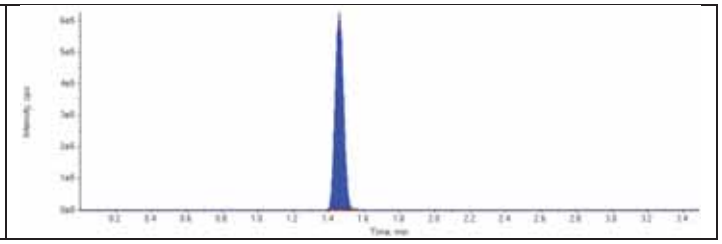
M2 8:2 FTS (Internal Standard)

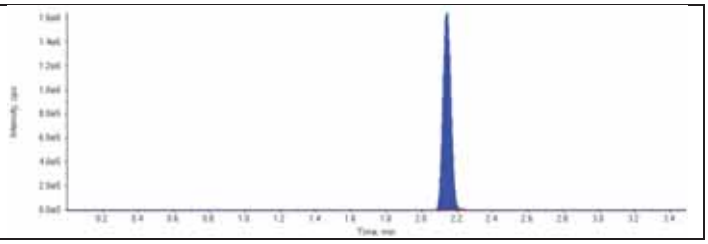
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

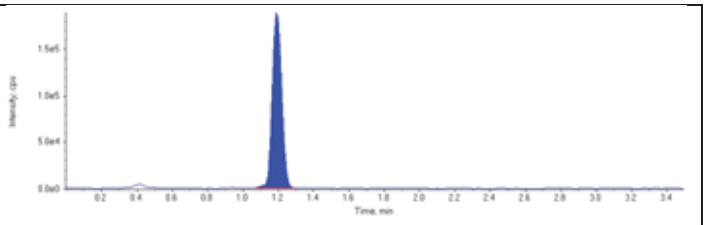
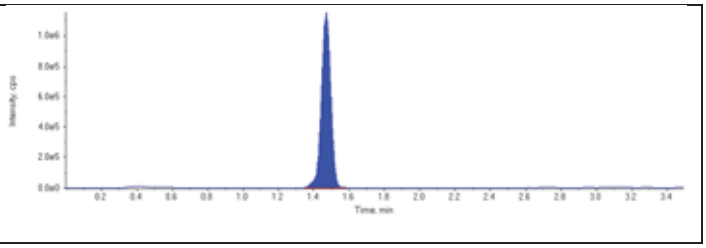
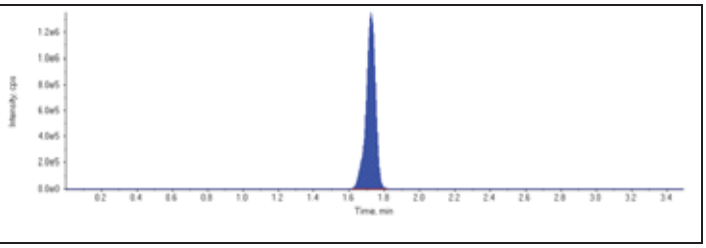
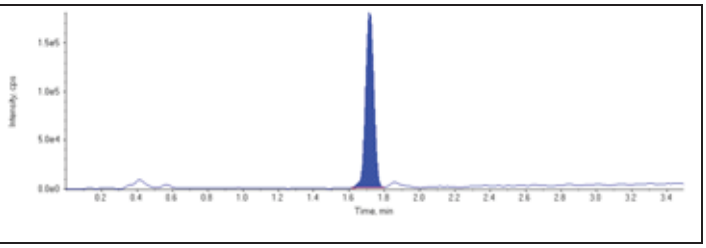
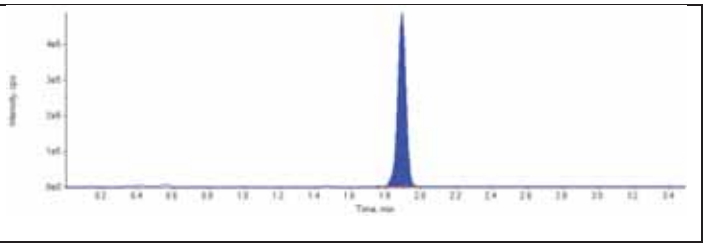
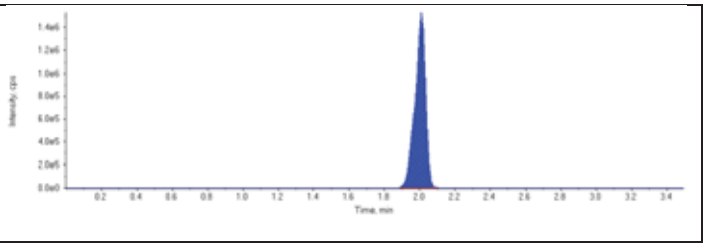


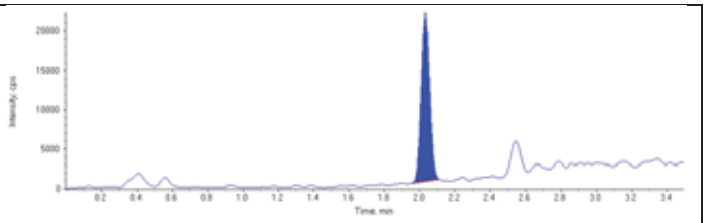
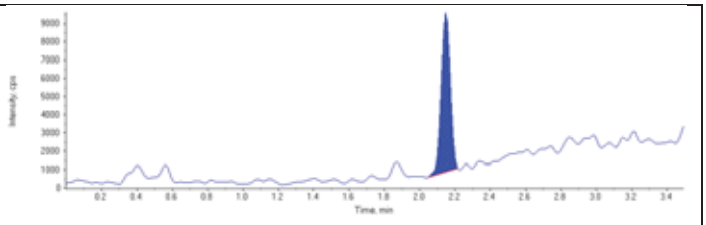
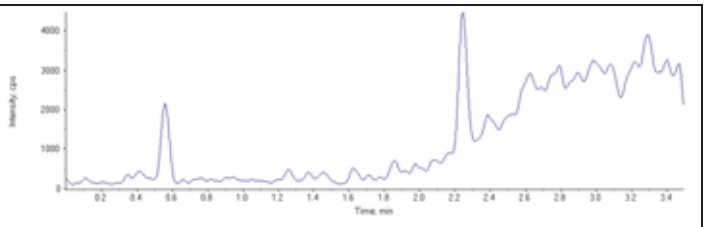
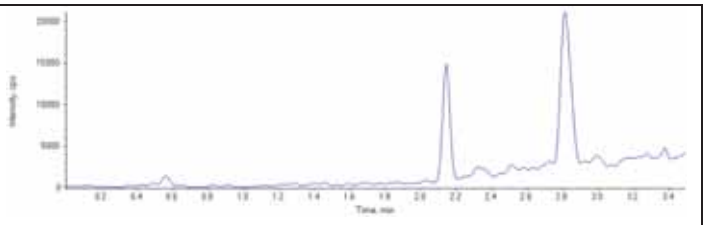
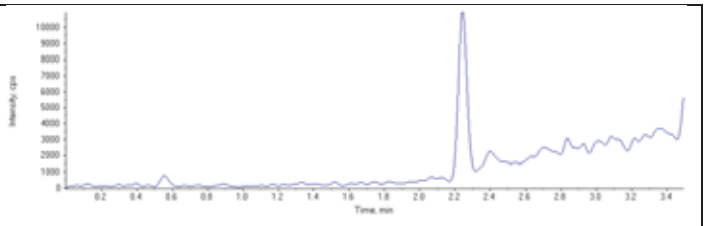
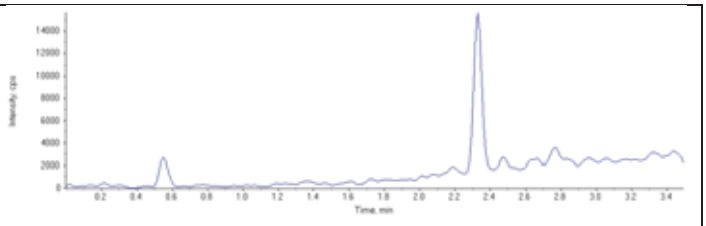
13C6-PFHxA IS (Internal Standard)

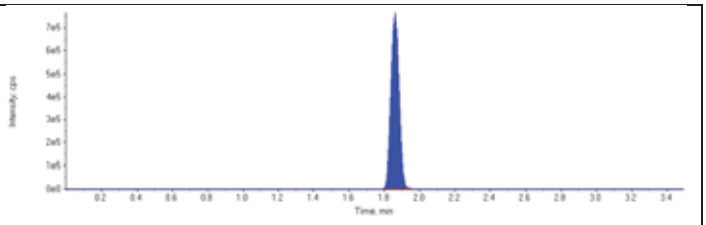
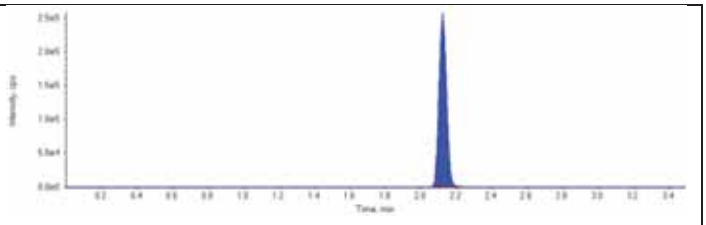
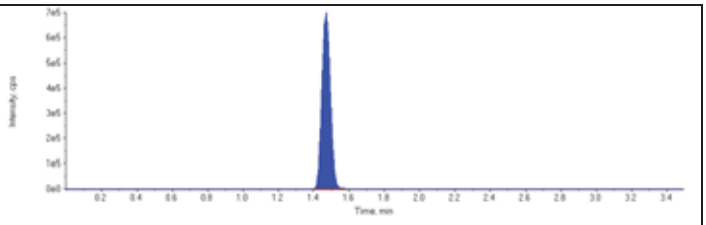
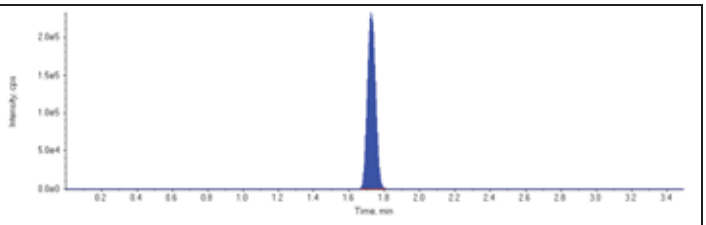
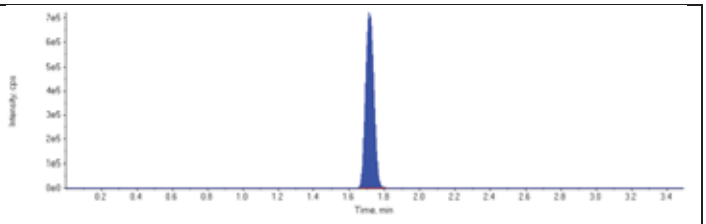
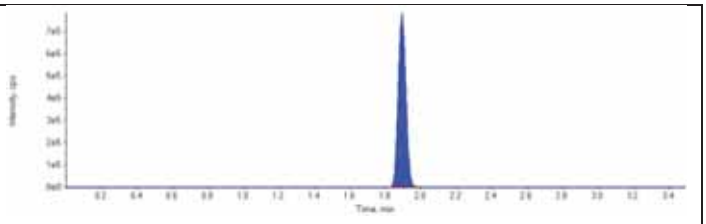
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

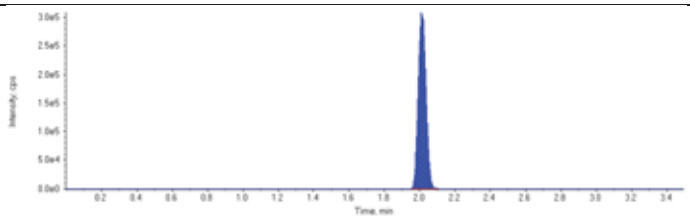
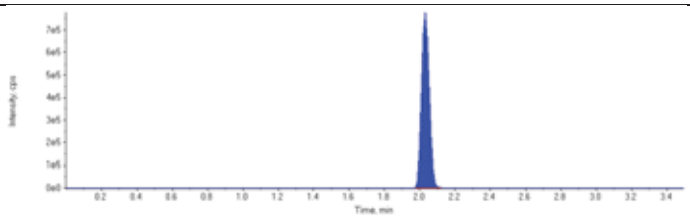
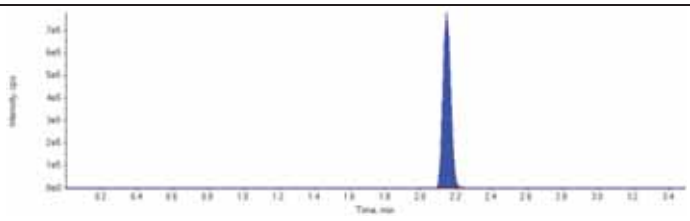
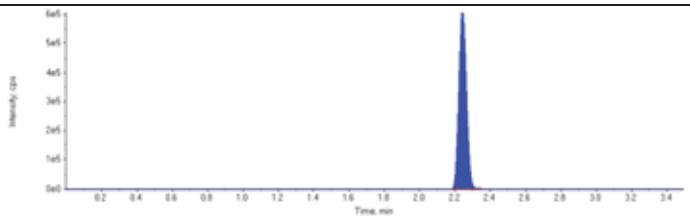
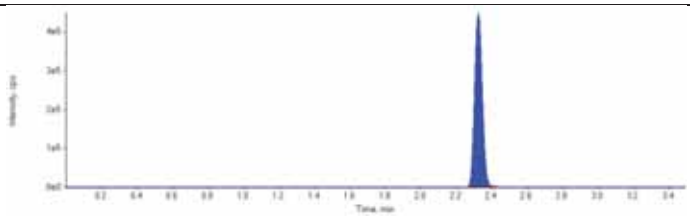
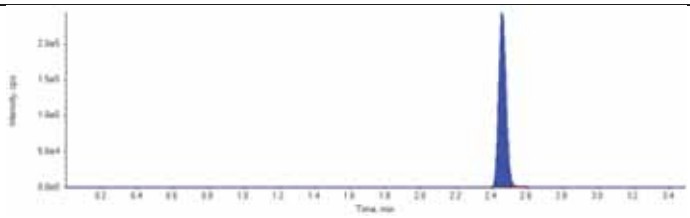


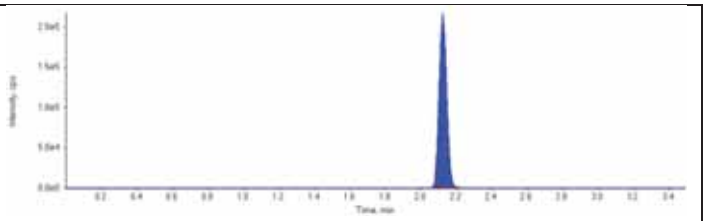
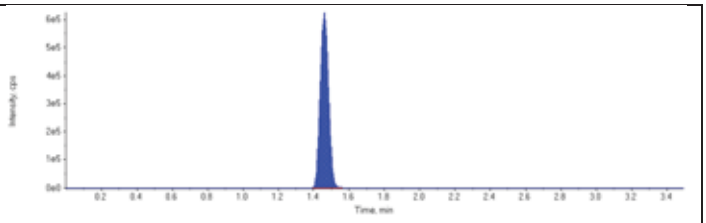
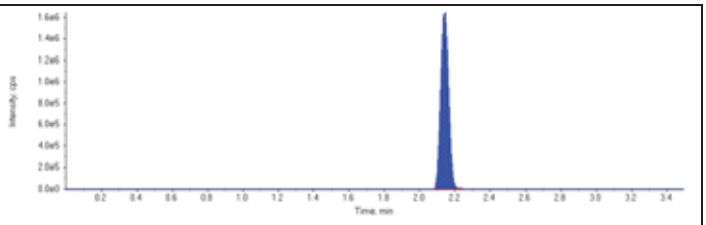
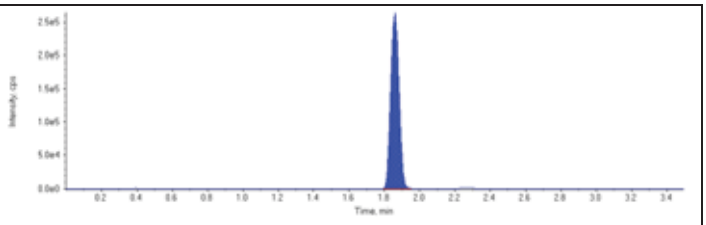
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 2.64 µg/L Area Ratio: 0.977 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 13.9 µg/L Area Ratio: 1.81 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 27.3 µg/L Area Ratio: 6.69 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 2.82 µg/L Area Ratio: 0.250 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 7.97 µg/L Area Ratio: 0.654 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 45.6 µg/L Area Ratio: 6.72 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.336 µg/L Area Ratio: 0.0294 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.0132 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 42.9 µg/L Area Ratio: 2.85 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 7.99 µg/L Area Ratio: 1.15 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 94.1 µg/L Area Ratio: 1.14 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 105. µg/L Area Ratio: 0.355 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 98.0 µg/L Area Ratio: 1.13 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 105. µg/L Area Ratio: 1.16 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 102. µg/L Area Ratio: 0.461 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 102. µg/L Area Ratio: 1.17 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 97.2 µg/L Area Ratio: 0.450 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 98.5 µg/L Area Ratio: 0.359 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 79.1 µg/L Area Ratio: 0.261 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 53.7 µg/L Area Ratio: 0.139 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 97.0 µg/L Area Ratio: 0.327 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 101. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 101. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 118. µg/L Area Ratio: 0.421 Sample Type: (Unknown)	

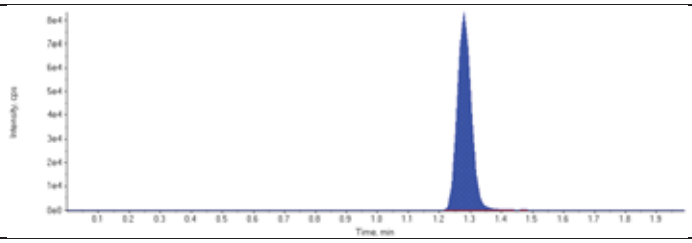
Sample ID	4871838~DXR292-01	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	32
Acquisition Date	2017/02/27 9:58:48 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	255000.	1.28	1.00	-
D5-EtFOSAA IS	238000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1340	1.30	N/A	0.0142	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	2410000	0.935	N/A	92.4	N/A

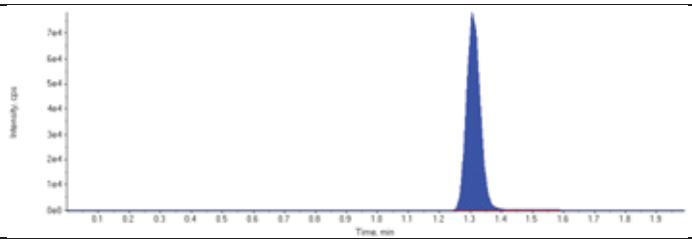
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

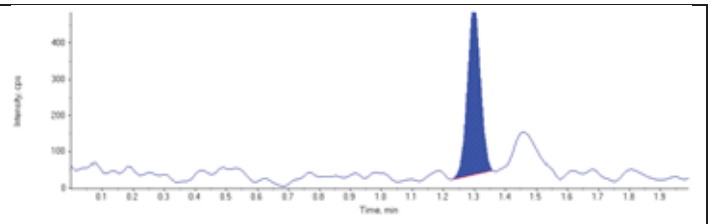
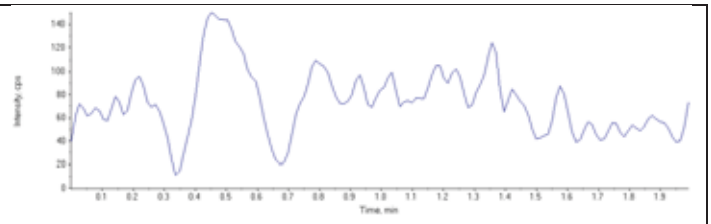
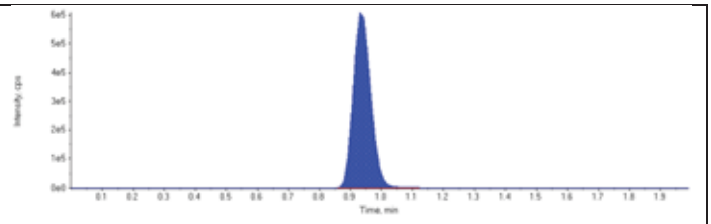
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.30 (1.30) min Calculated Conc: 0.0142 µg/L Area Ratio: 0.00525 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.935 (0.855) min Calculated Conc: 92.4 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

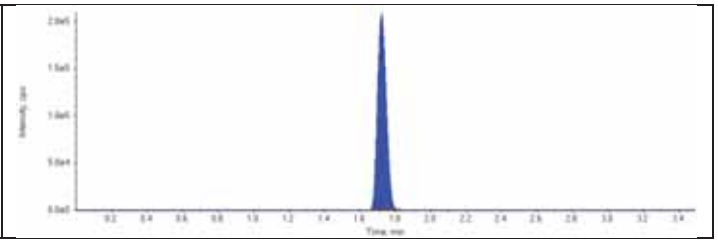
Sample ID	4871838~DXR292-01	**Injection Volume (µL)**	3
Sample Type	Unknown	**Injection Vial**	32
Acquisition Date	2017/02/28 8:25:17 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Re-injection, reported		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	715000.	1.72	1.00	-
MPFHxA	2390000.	1.46	1.00	-
MPFHpA	2400000.	1.71	1.00	-
MPFOA	2380000.	1.89	1.00	-
MPFOS	966000.	2.01	1.00	-
MPFNA	2360000.	2.03	1.00	-
MPFDA	2620000.	2.14	1.00	-
MPFUnA	1860000.	2.24	1.00	-
MPFDoA	1450000.	2.32	1.00	-
MPFTeDA	708000.	2.46	1.00	-
M2 6:2 FTS	814000.	1.86	1.00	-
M2 8:2 FTS	710000.	2.12	1.00	-
13C6-PFHxA IS	2190000.	1.45	1.00	-
13C9-PFDA IS	5250000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	700000	1.18	N/A	2.65	N/A
PFHxA 1	4130000	1.46	N/A	13.2	N/A
PFHxS 1	4690000	1.72	N/A	26.7	N/A
PFHpA 1	566000	1.71	N/A	2.66	N/A
PFOA 1	1500000	1.89	N/A	7.69	N/A
PFOS 1	6300000	2.00	N/A	44.3	N/A
PFNA 1	74400	2.03	N/A	0.362	N/A
PFDA 1	28000	2.14	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	2370000	1.85	N/A	43.9	N/A
8:2-FTS 1	774000	2.12	N/A	7.59	N/A
13C2-PFHxA	2390000	1.46	N/A	90.1	N/A
18O2-PFHxS	715000	1.72	N/A	97.1	N/A
13C4-PFHpA	2400000	1.71	N/A	95.1	N/A
13C4-PFOA	2380000	1.89	N/A	98.6	N/A
13C4-PFOS	966000	2.01	N/A	97.9	N/A
13C5-PFNA	2360000	2.03	N/A	93.8	N/A
13C2-PFDA	2620000	2.14	N/A	108.	N/A
13C2-PFUnA	1860000	2.24	N/A	97.3	N/A
13C2-PFDoA	1450000	2.32	N/A	83.5	N/A
13C2-PFTeDA	708000	2.46	N/A	52.1	N/A
13C2-8:2 FTS	710000	2.12	N/A	96.4	N/A
13C6-PFHxA	2190000	1.45	N/A	108.	N/A
13C9-PFDA	5250000	2.14	N/A	102.	N/A
13C2-6:2-FTS	814000	1.86	N/A	104.	N/A

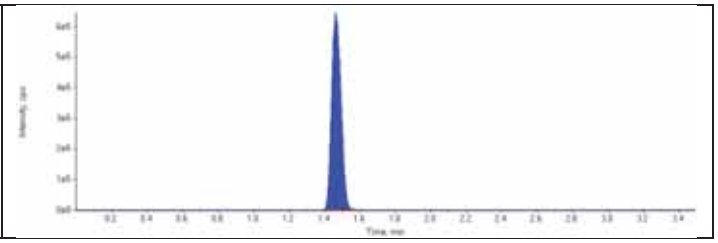
MPFHxS (Internal Standard)

RT (Exp. RT): 1.72(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



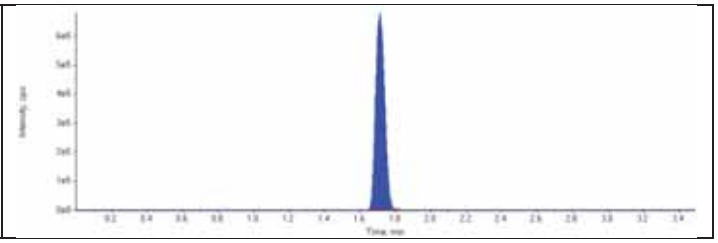
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



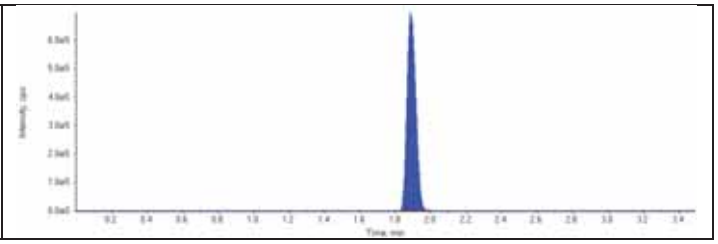
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



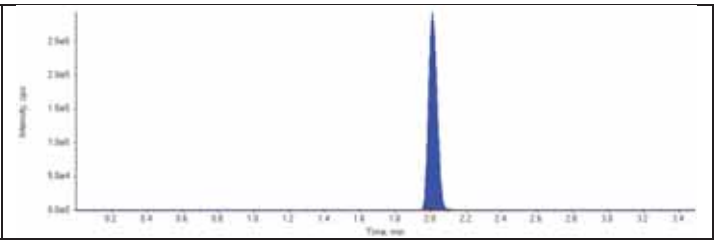
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



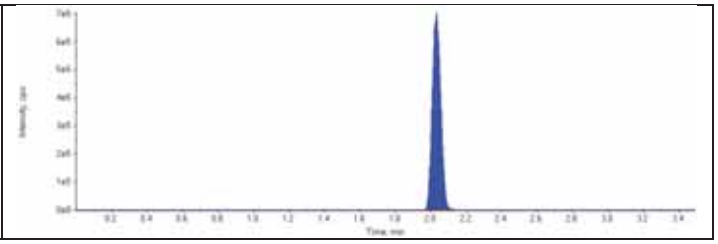
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



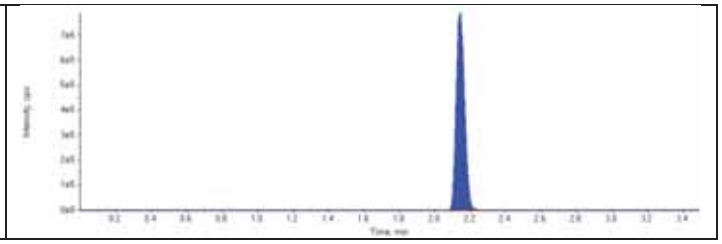
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



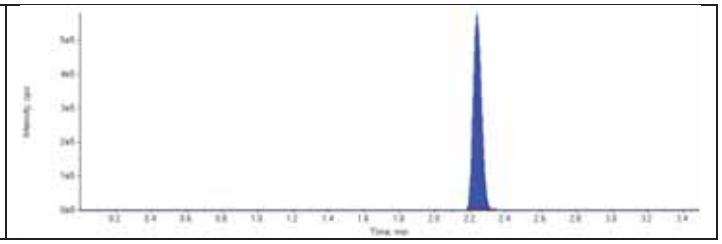
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



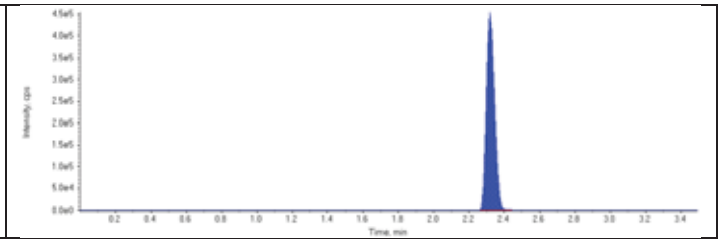
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



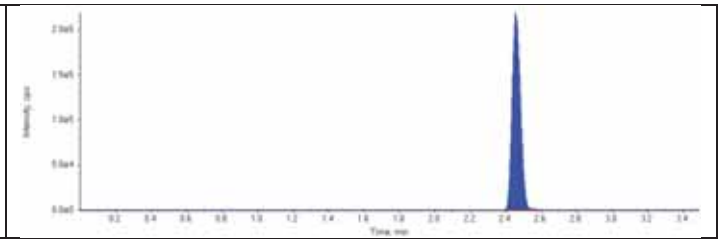
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



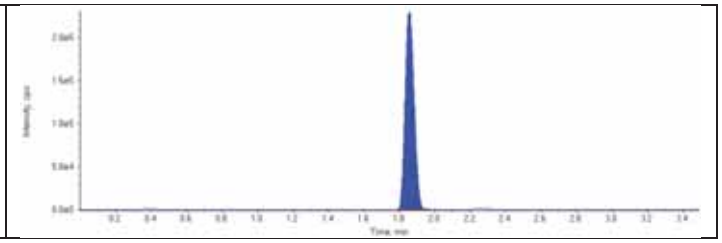
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



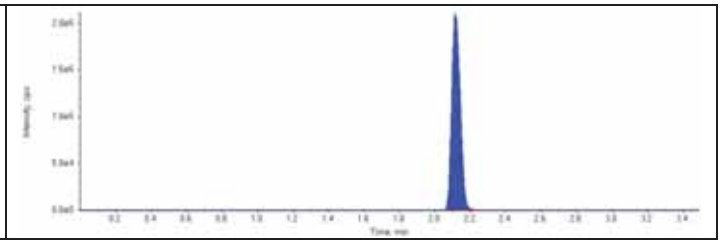
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



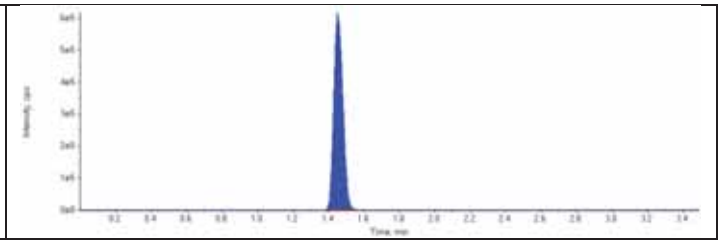
M2 8:2 FTS (Internal Standard)

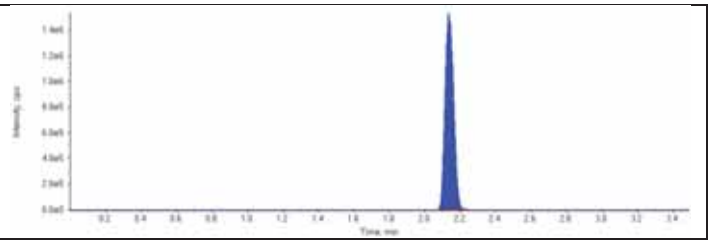
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

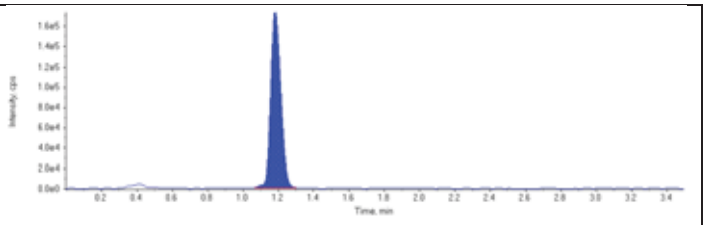
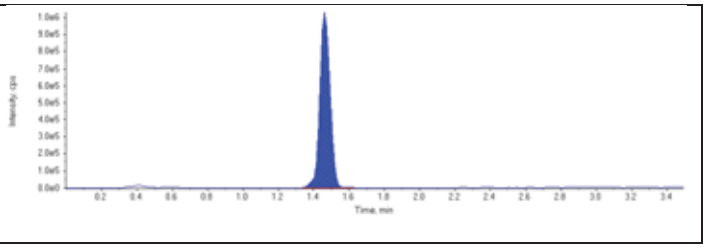
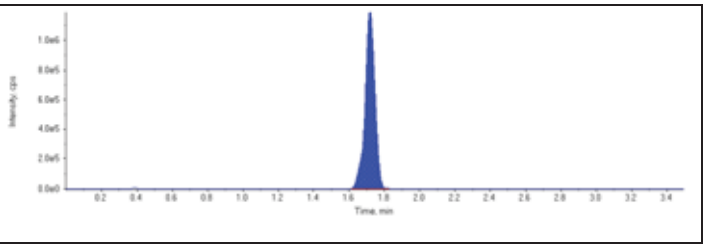
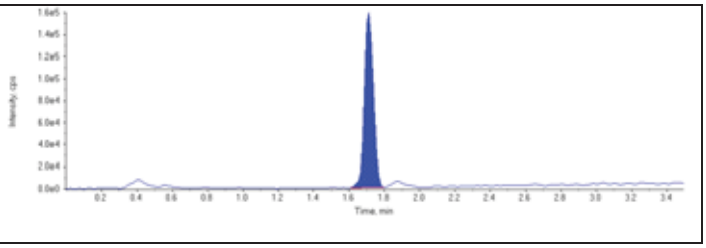
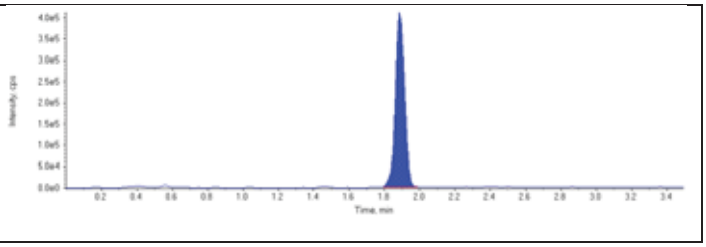
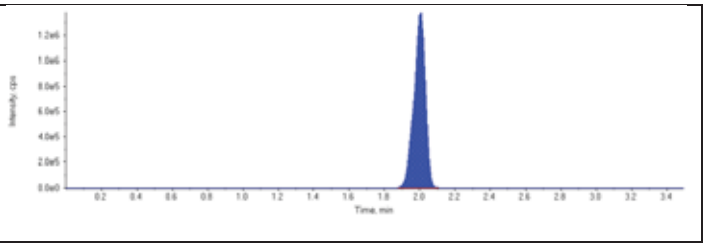


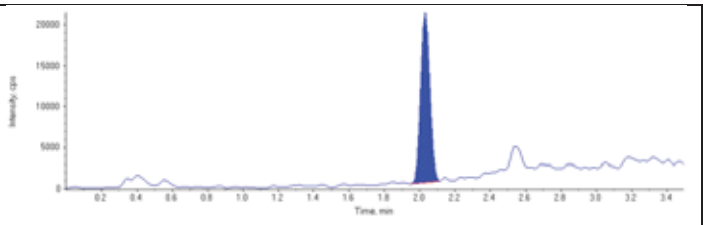
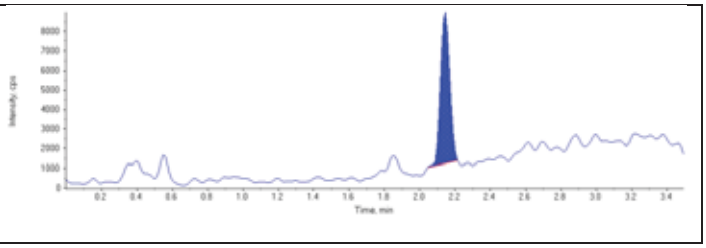
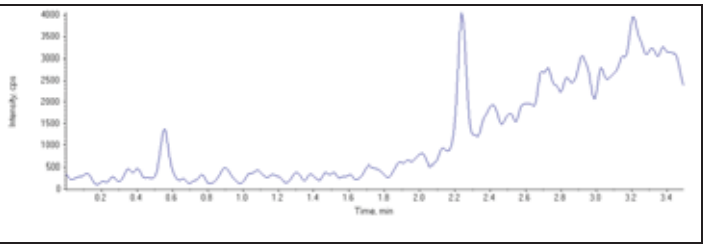
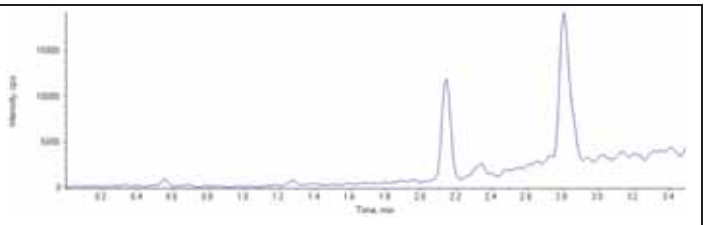
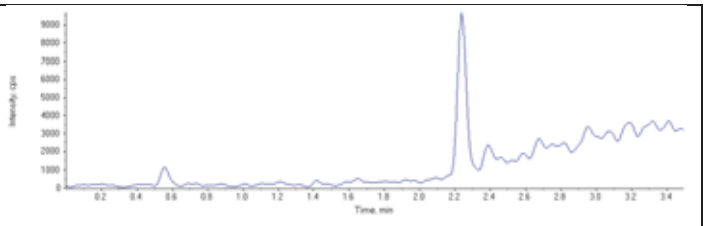
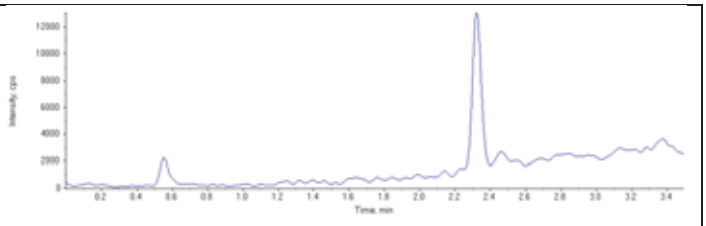
13C6-PFHxA IS (Internal Standard)

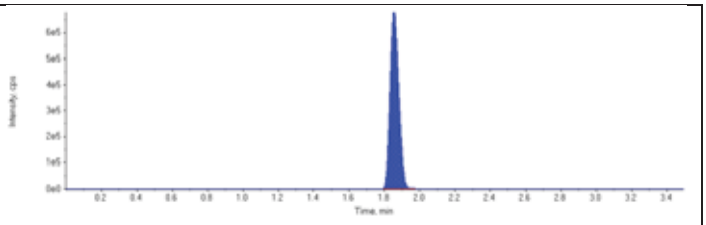
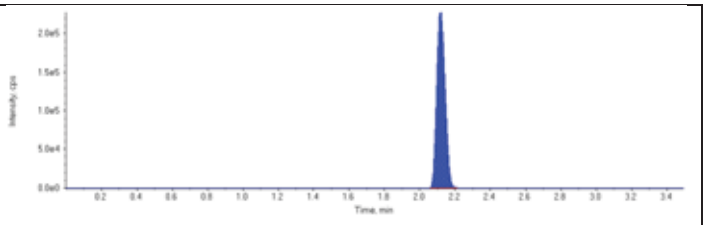
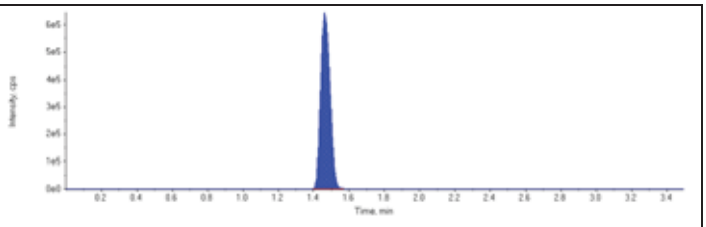
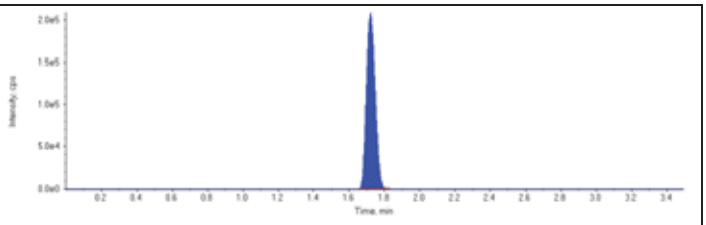
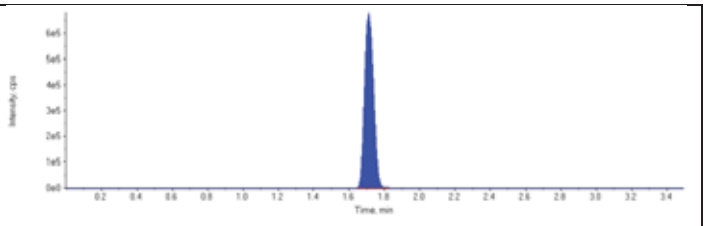
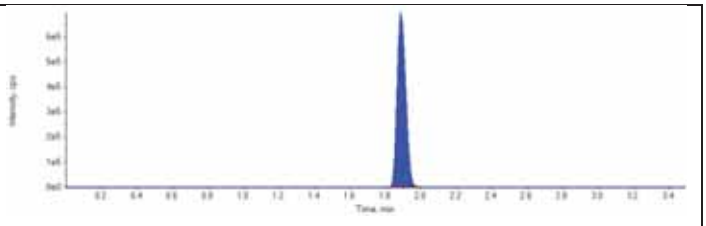
RT (Exp. RT): 1.45(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

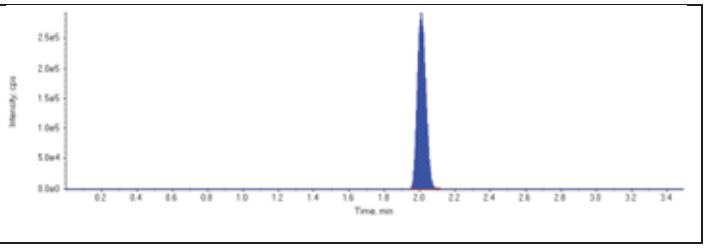
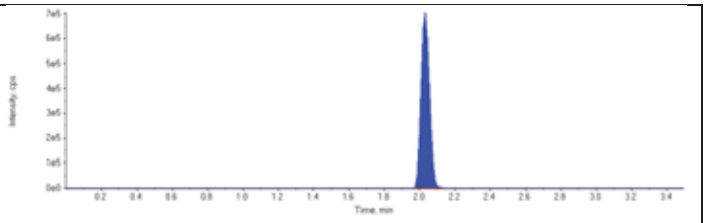
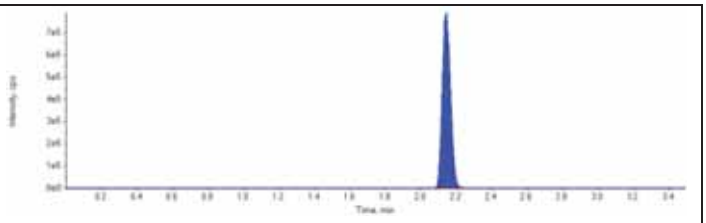
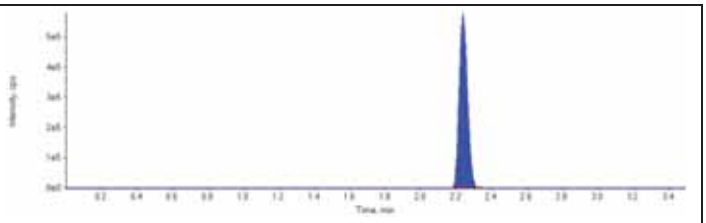
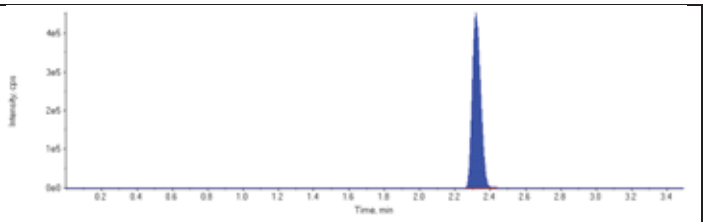
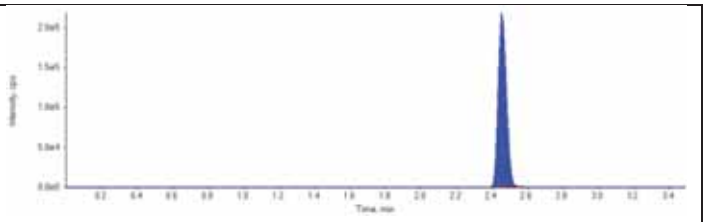


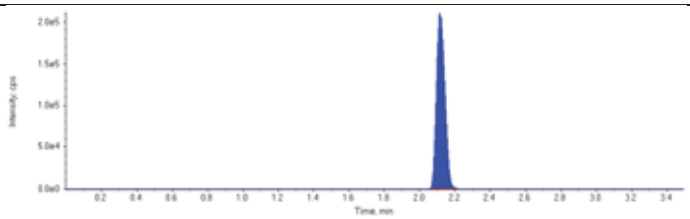
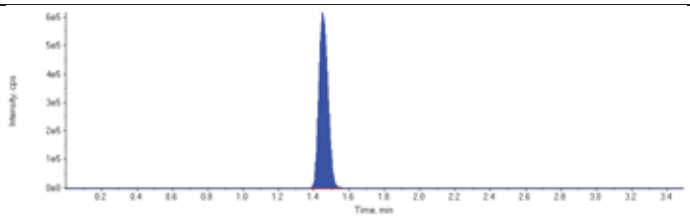
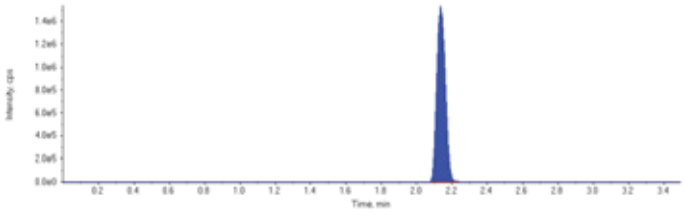
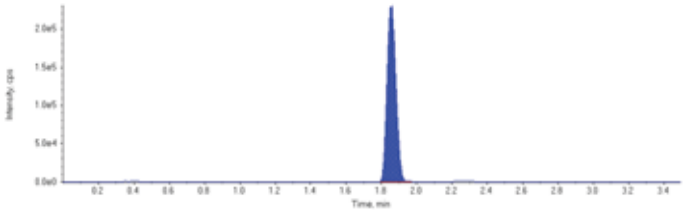
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.18 (1.19) min Calculated Conc: 2.65 µg/L Area Ratio: 0.980 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 13.2 µg/L Area Ratio: 1.73 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 26.7 µg/L Area Ratio: 6.56 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.70) min Calculated Conc: 2.66 µg/L Area Ratio: 0.236 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 7.69 µg/L Area Ratio: 0.631 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.00 (1.97) min Calculated Conc: 44.3 µg/L Area Ratio: 6.53 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.362 µg/L Area Ratio: 0.0316 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.0107 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.85 (1.83) min Calculated Conc: 43.9 µg/L Area Ratio: 2.92 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 7.59 µg/L Area Ratio: 1.09 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 90.1 µg/L Area Ratio: 1.10 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 97.1 µg/L Area Ratio: 0.327 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 95.1 µg/L Area Ratio: 1.10 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 98.6 µg/L Area Ratio: 1.09 Sample Type: (Unknown)	

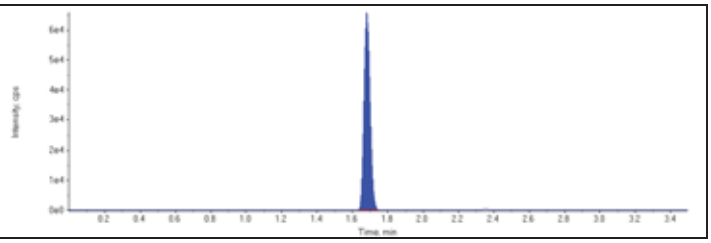
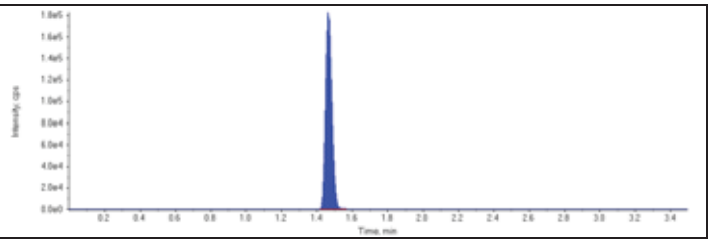
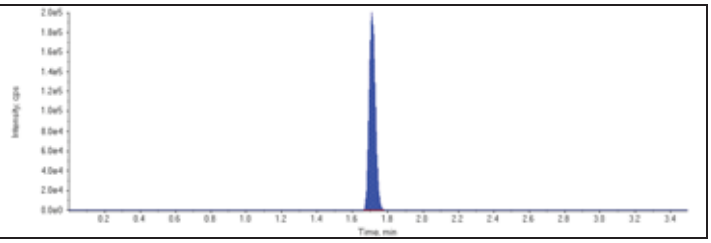
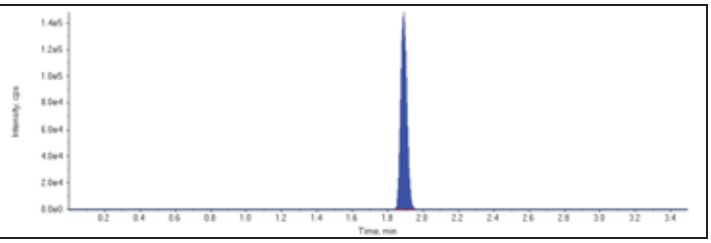
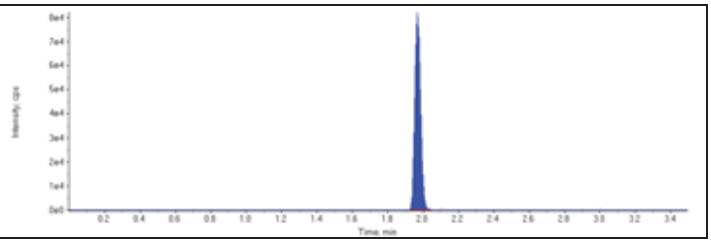
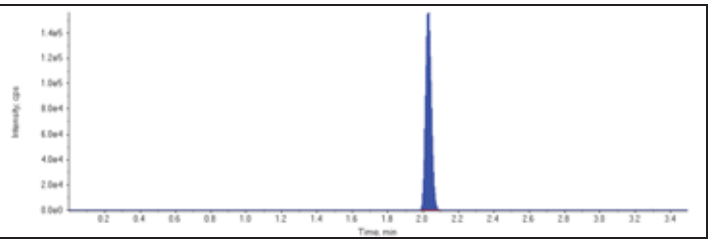
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 97.9 µg/L Area Ratio: 0.442 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 93.8 µg/L Area Ratio: 1.08 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 108. µg/L Area Ratio: 0.499 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 97.3 µg/L Area Ratio: 0.355 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 83.5 µg/L Area Ratio: 0.276 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 52.1 µg/L Area Ratio: 0.135 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 96.4 µg/L Area Ratio: 0.325 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.42) min Calculated Conc: 108. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 102. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 104. µg/L Area Ratio: 0.372 Sample Type: (Unknown)	

Sample ID	4872075~DXR288-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	12
Acquisition Date	2017/03/09 8:40:58 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

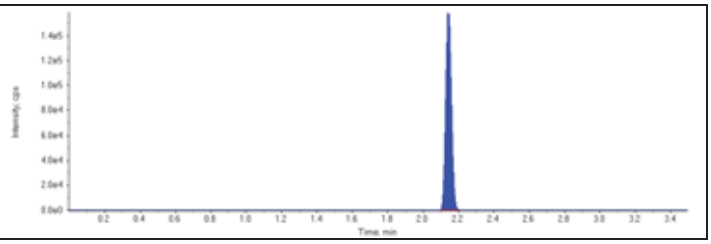
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	153000.	1.68	1.00	-
MPFHxA	458000.	1.46	1.00	-
MPFHpA	472000.	1.71	1.00	-
MPFOA	346000.	1.89	1.00	-
MPFOS	183000.	1.97	1.00	-
MPFNA	361000.	2.03	1.00	-
MPFDA	363000.	2.14	1.00	-
MPFUnA	205000.	2.24	1.00	-
MPFDoA	192000.	2.32	1.00	-
MPFTeDA	191000.	2.46	1.00	-
M2 6:2 FTS	465000.	1.83	1.00	-
M2 8:2 FTS	282000.	2.10	1.00	-
13C6-PFHxA IS	1390000.	1.46	41.7	-
13C9-PFDA IS	1270000.	2.14	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxS 1	0	0.00	N/A	N/A	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
13C2-PFHxA	458000	1.46	N/A	93.9	N/A
18O2-PFHxS	153000	1.68	N/A	98.8	N/A
13C4-PFHpA	472000	1.71	N/A	89.0	N/A
13C4-PFOA	346000	1.89	N/A	83.0	N/A
13C4-PFOS	183000	1.97	N/A	93.9	N/A
13C5-PFNA	361000	2.03	N/A	84.4	N/A
13C2-PFDA	363000	2.14	N/A	88.5	N/A
13C2-PFUnA	205000	2.24	N/A	69.0	N/A
13C2-PFDoA	192000	2.32	N/A	70.0	N/A
13C2-PFTeDA	191000	2.46	N/A	67.4	N/A
13C2-8:2 FTS	282000	2.10	N/A	102.	N/A
13C6-PFHxA	1390000	1.46	N/A	2.49	N/A
13C9-PFDA	1270000	2.14	N/A	2.57	N/A
13C2-6:2-FTS	465000	1.83	N/A	114.	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

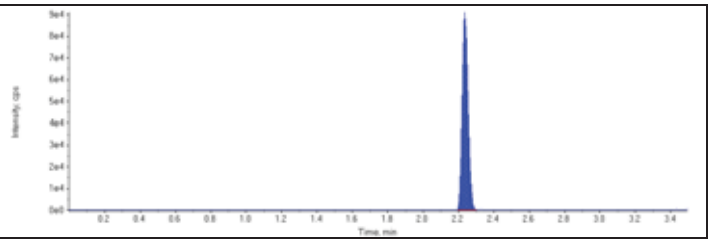
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



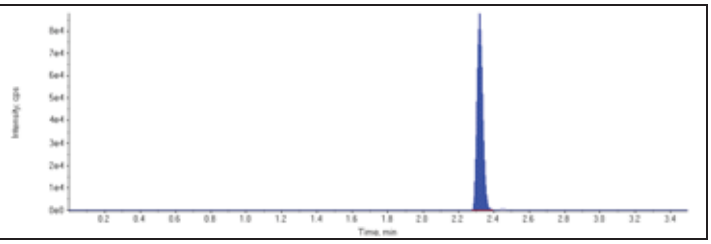
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



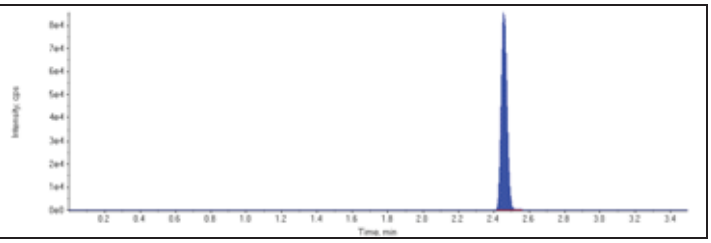
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



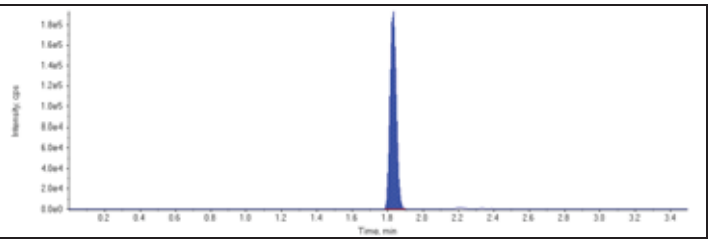
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



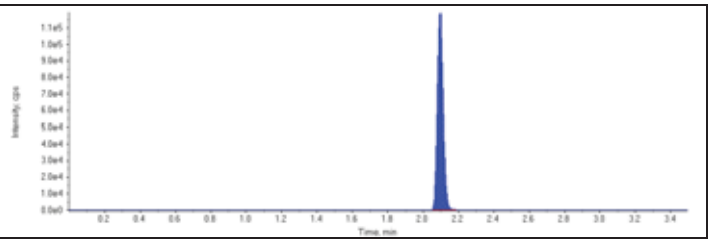
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



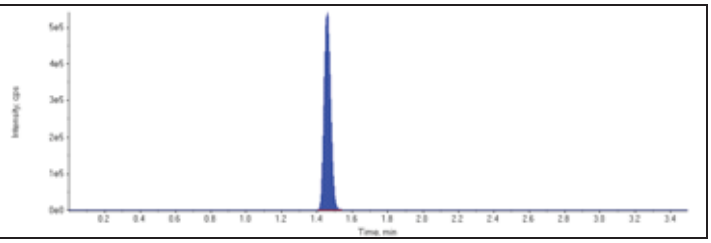
M2 8:2 FTS (Internal Standard)

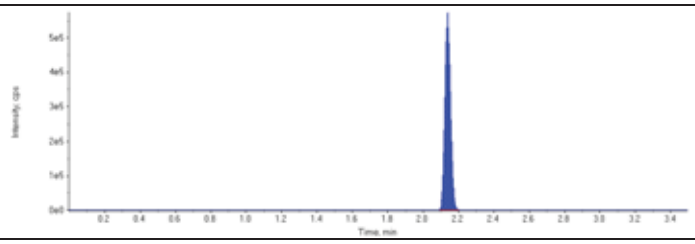
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

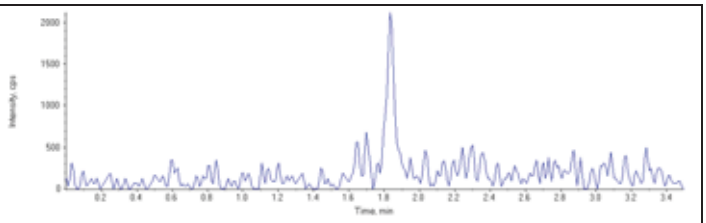
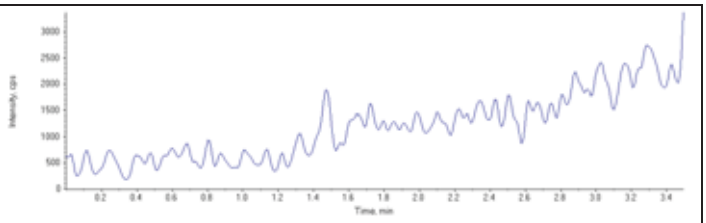
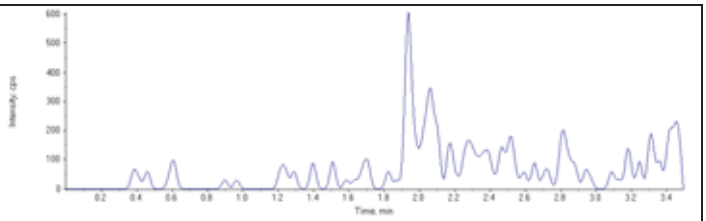
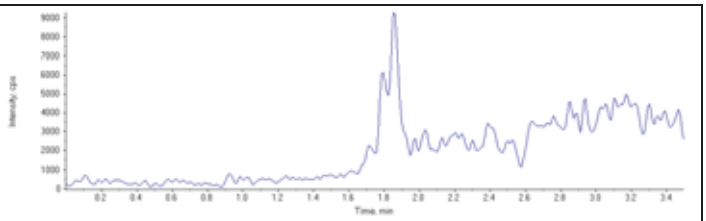
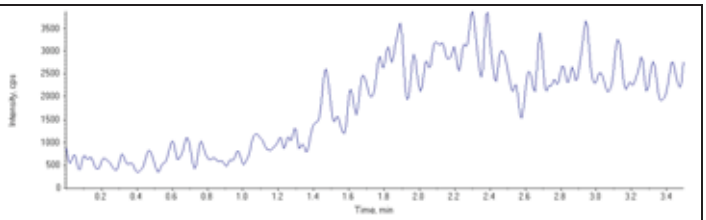
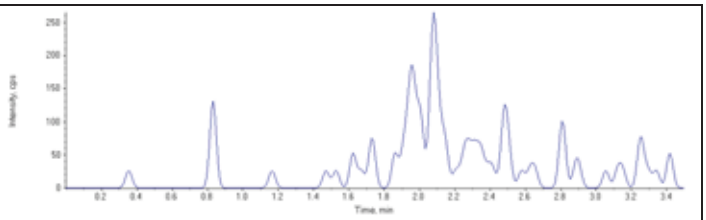


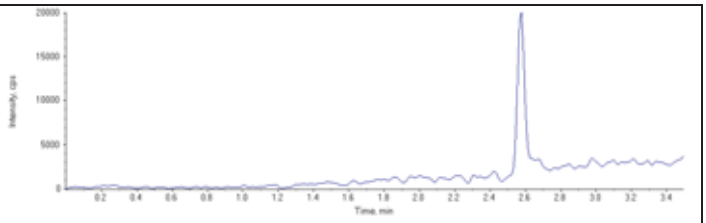
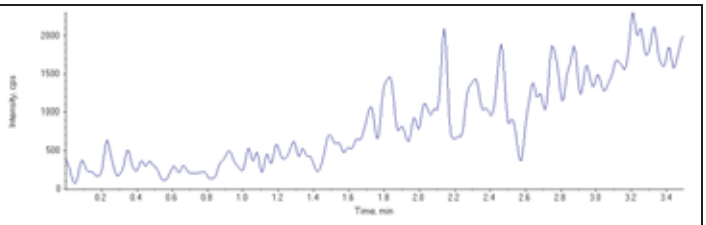
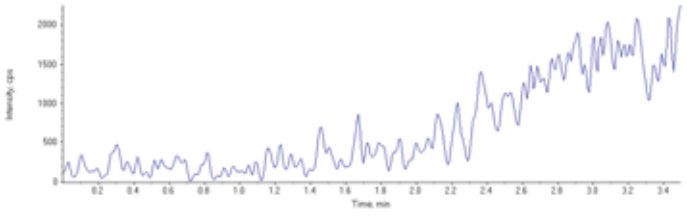
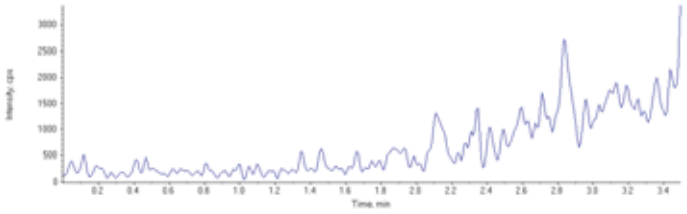
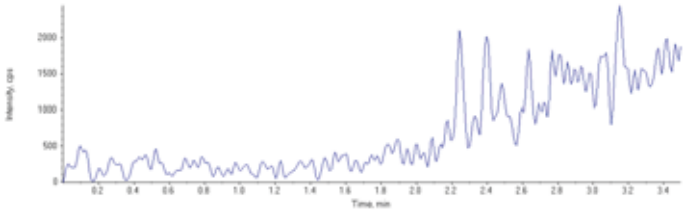
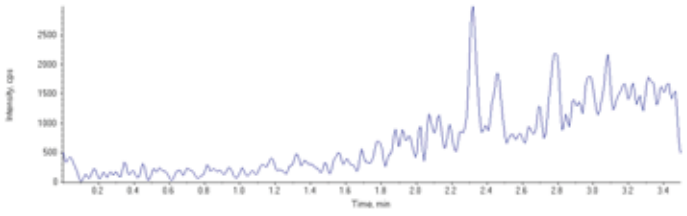
13C6-PFHxA IS (Internal Standard)

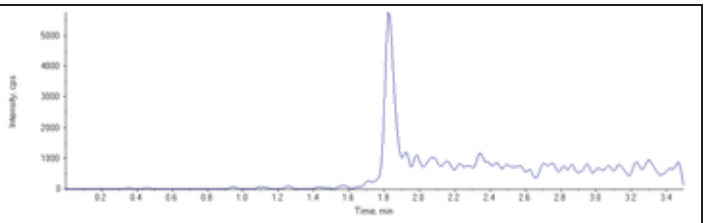
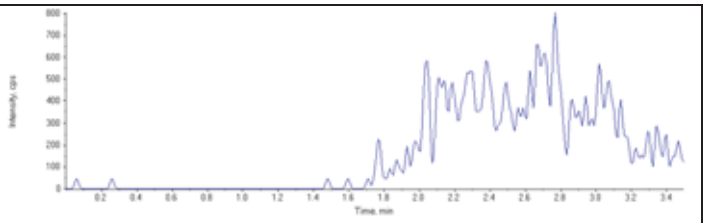
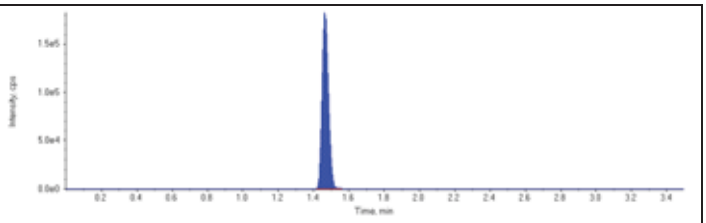
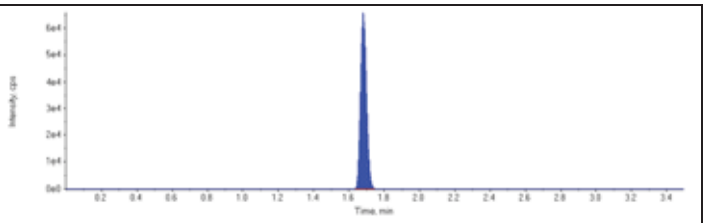
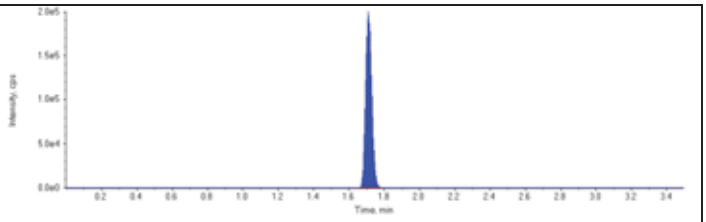
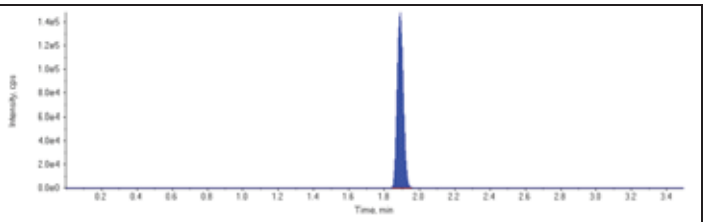
RT (Exp. RT): 1.46(1.48) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

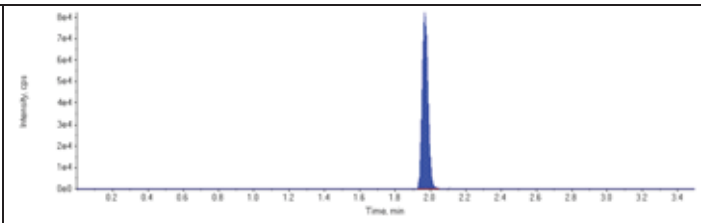
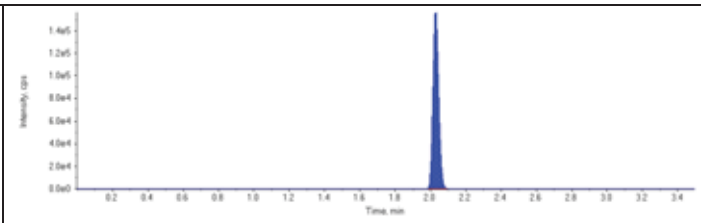
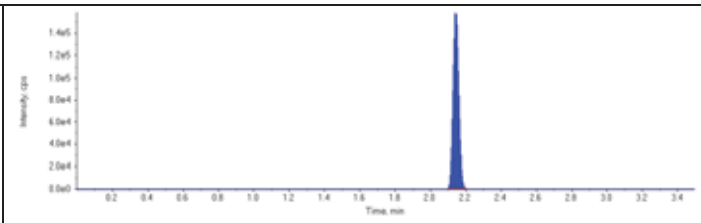
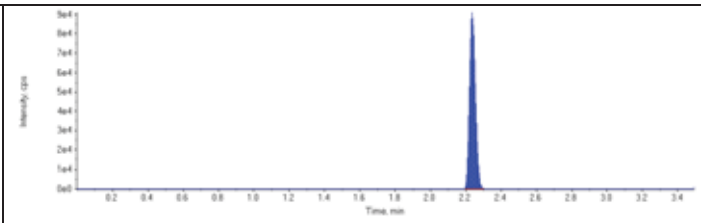
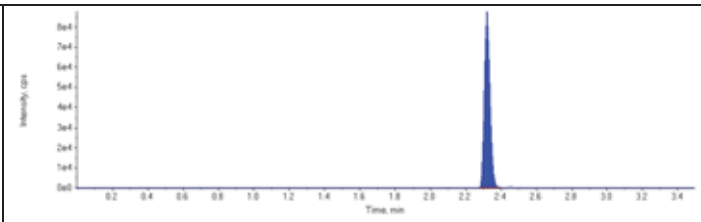
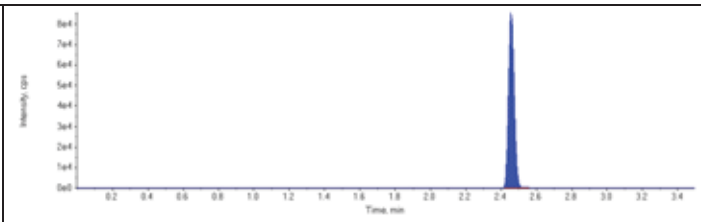


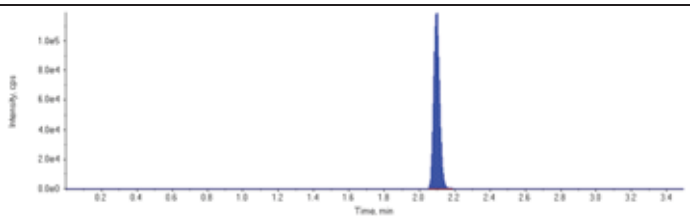
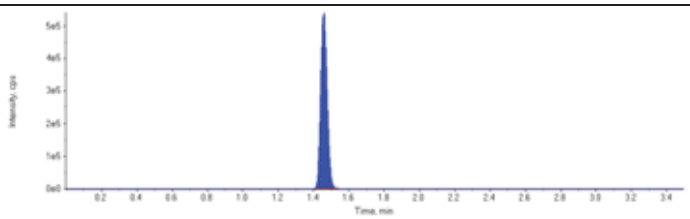
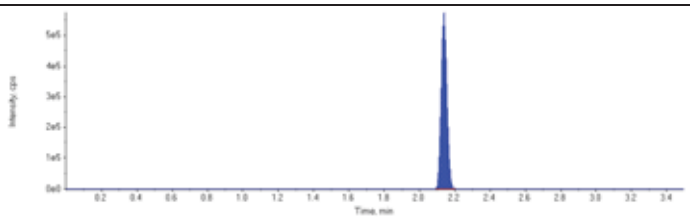
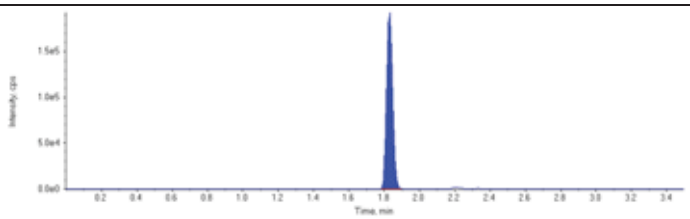
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.19) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.48) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.74) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.88) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.97) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.02) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.83) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.10) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 93.9 µg/L Area Ratio: 0.330 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 98.8 µg/L Area Ratio: 0.110 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 89.0 µg/L Area Ratio: 0.340 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 83.0 µg/L Area Ratio: 0.250 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 93.9 µg/L Area Ratio: 0.132 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 84.4 µg/L Area Ratio: 0.260 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 88.5 µg/L Area Ratio: 0.286 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 69.0 µg/L Area Ratio: 0.161 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 70.0 µg/L Area Ratio: 0.151 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 67.4 µg/L Area Ratio: 0.151 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 102. µg/L Area Ratio: 0.204 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 2.49 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 2.57 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 114. µg/L Area Ratio: 0.336 Sample Type: (Unknown)	

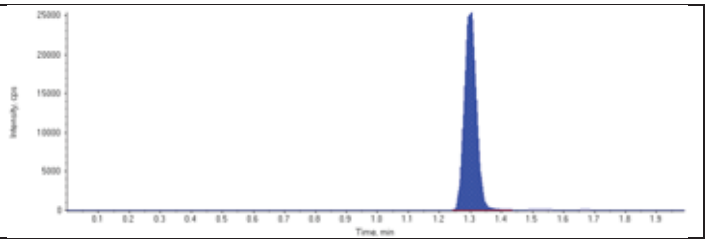
Sample ID	4872075~DXR288-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	43
Acquisition Date	2017/03/03 6:07:11 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	69200.	1.30	1.00	-
D5-EtFOSAA IS	68300.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	866000	0.962	N/A	2.24	N/A

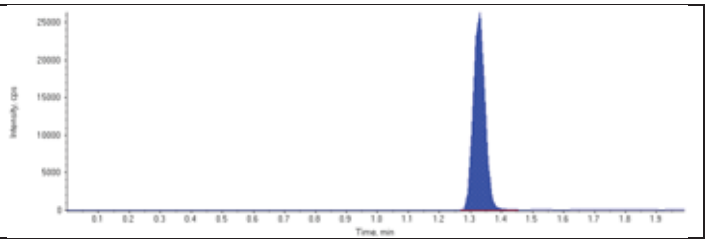
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

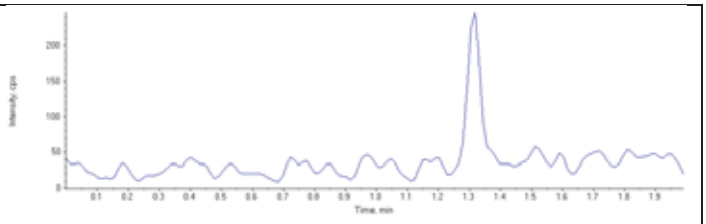
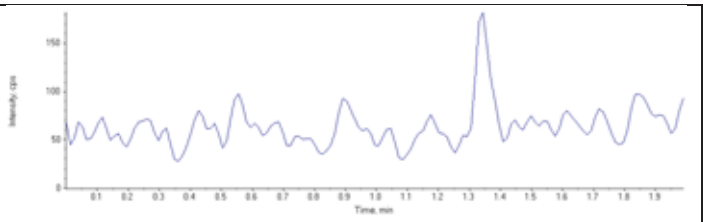
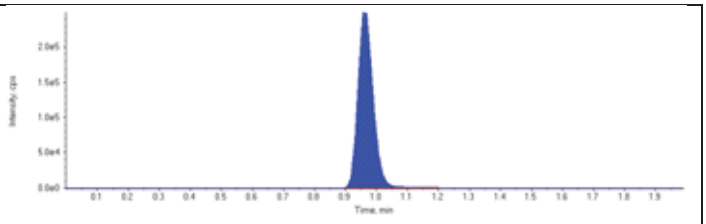
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

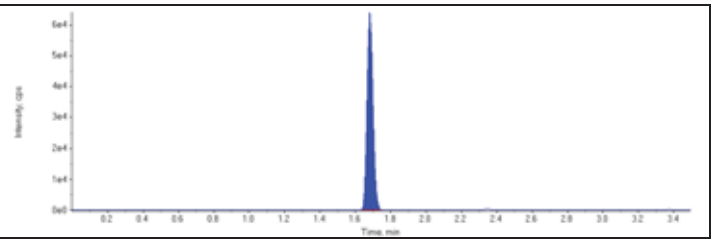
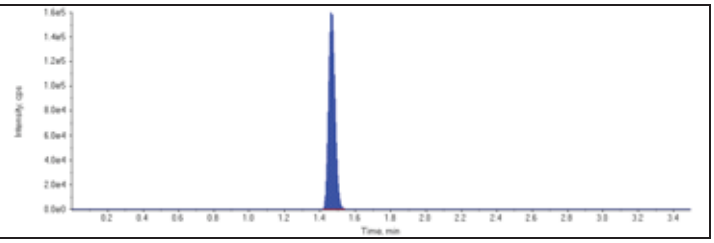
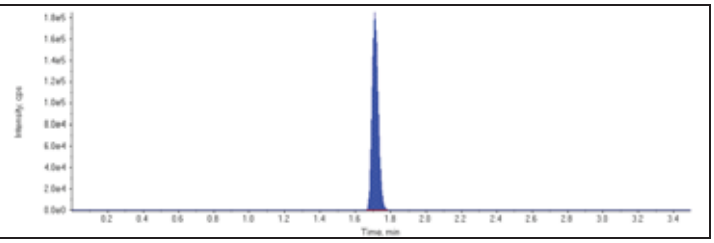
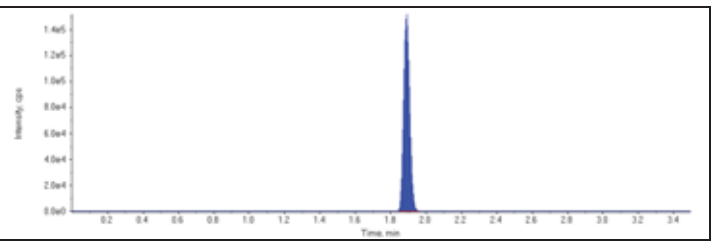
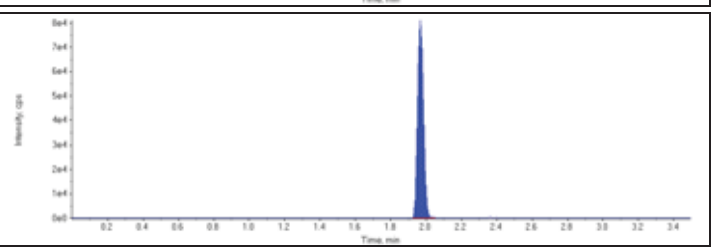
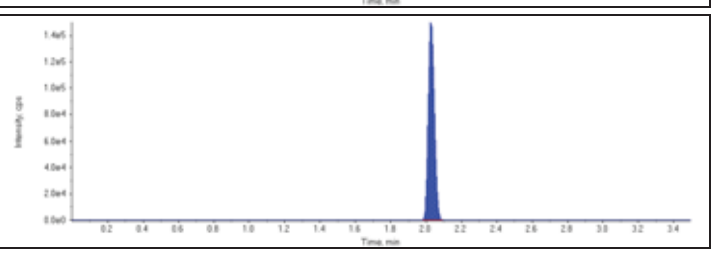
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.962 (0.855) min Calculated Conc: 2.24 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR289-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	13
Acquisition Date	2017/03/09 8:46:02 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Not reported		

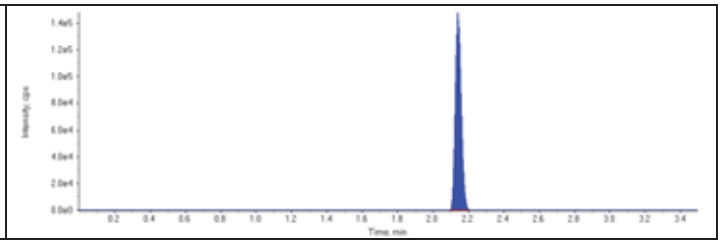
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	148000.	1.68	1.00	-
MPFHxA	406000.	1.46	1.00	-
MPFHpA	429000.	1.71	1.00	-
MPFOA	346000.	1.89	1.00	-
MPFOS	183000.	1.97	1.00	-
MPFNA	363000.	2.03	1.00	-
MPFDA	343000.	2.14	1.00	-
MPFUnA	220000.	2.24	1.00	-
MPFDoA	198000.	2.32	1.00	-
MPFTeDA	223000.	2.46	1.00	-
M2 6:2 FTS	438000.	1.83	1.00	-
M2 8:2 FTS	256000.	2.10	1.00	-
13C6-PFHxA IS	1420000.	1.46	0.417	-
13C9-PFDA IS	1360000.	2.14	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	93300	1.15	N/A	1.76	N/A
PFHxA 1	538000	1.47	N/A	7.89	N/A
PFHxS 1	699000	1.68	N/A	15.8	N/A
PFHpA 1	79800	1.71	N/A	0.778	N/A
PFOA 1	187000	1.89	N/A	3.30	N/A
PFOS 1	764000	1.96	N/A	22.5	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	1700000	1.83	N/A	34.8	N/A
8:2-FTS 1	82800	2.10	N/A	1.27	N/A
13C2-PFHxA	406000	1.46	N/A	81.2	N/A
18O2-PFHxS	148000	1.68	N/A	93.5	N/A
13C4-PFHpA	429000	1.71	N/A	79.0	N/A
13C4-PFOA	346000	1.89	N/A	81.0	N/A
13C4-PFOS	183000	1.97	N/A	92.2	N/A
13C5-PFNA	363000	2.03	N/A	82.9	N/A
13C2-PFDA	343000	2.14	N/A	78.2	N/A
13C2-PFUnA	220000	2.24	N/A	69.2	N/A
13C2-PFDoA	198000	2.32	N/A	67.7	N/A
13C2-PFTeDA	223000	2.46	N/A	73.4	N/A
13C2-8:2 FTS	256000	2.10	N/A	90.3	N/A
13C6-PFHxA	1420000	1.46	N/A	255.	N/A
13C9-PFDA	1360000	2.14	N/A	275.	N/A
13C2-6:2-FTS	438000	1.83	N/A	104.	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

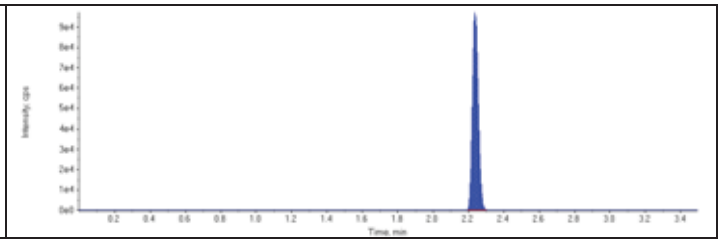
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



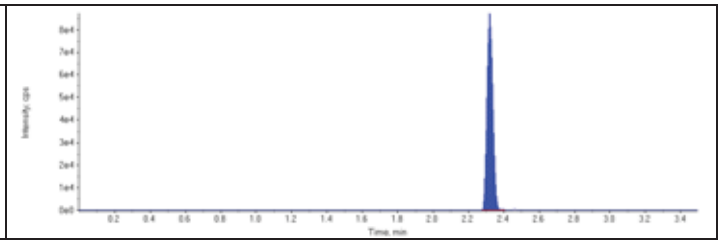
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



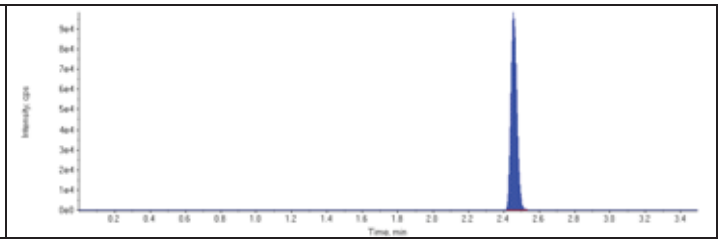
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



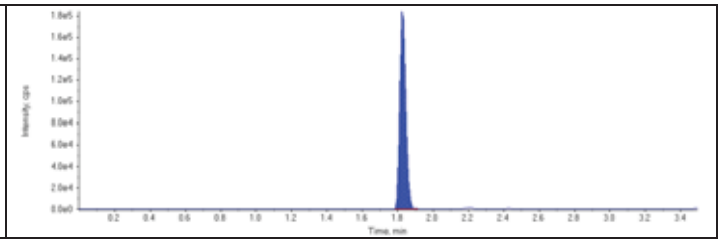
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



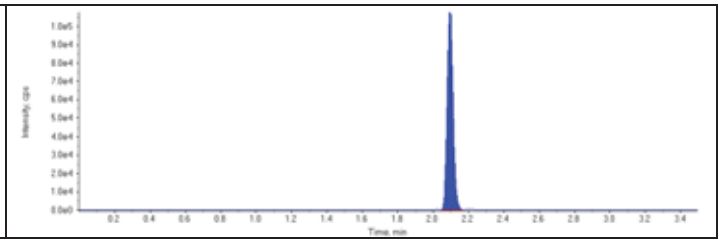
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



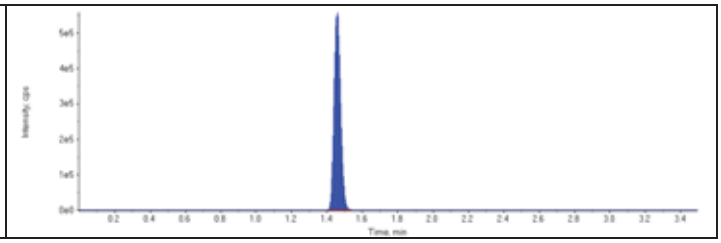
M2 8:2 FTS (Internal Standard)

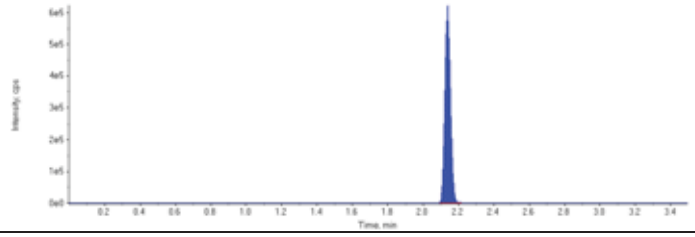
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

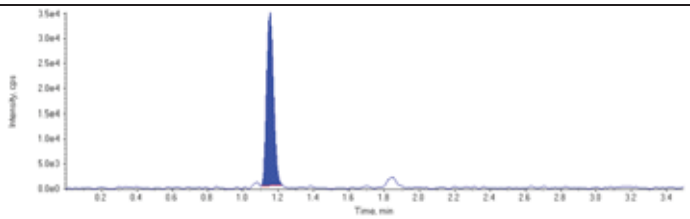
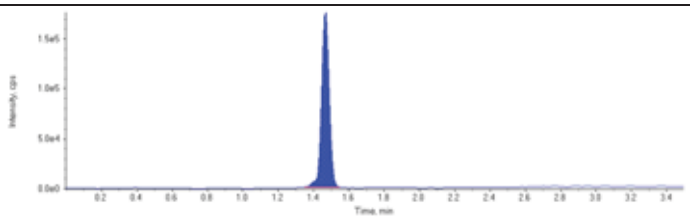
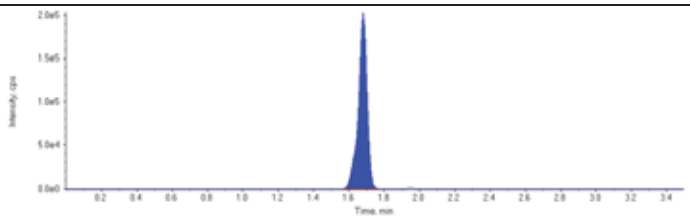
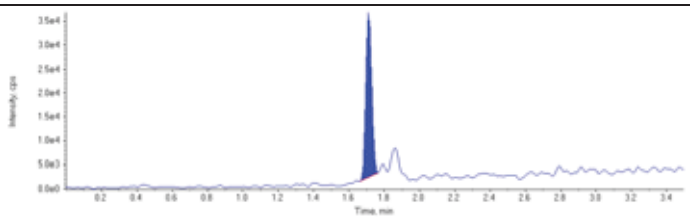
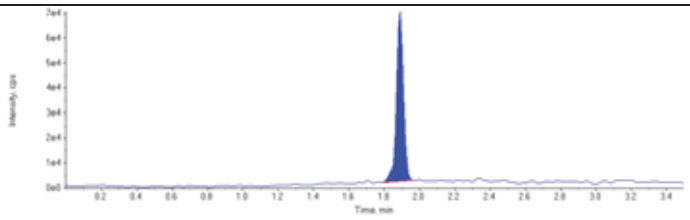
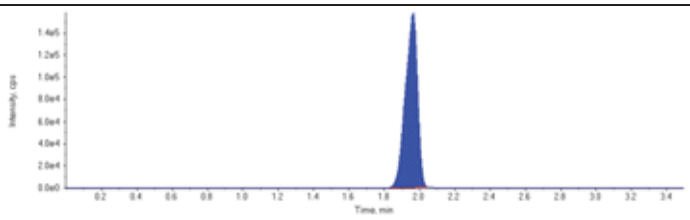


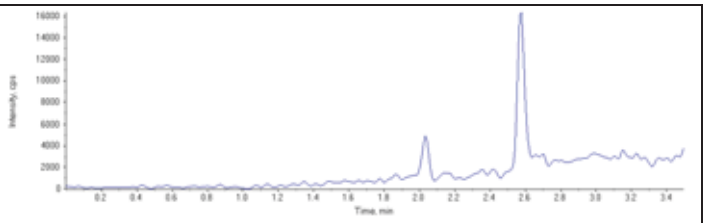
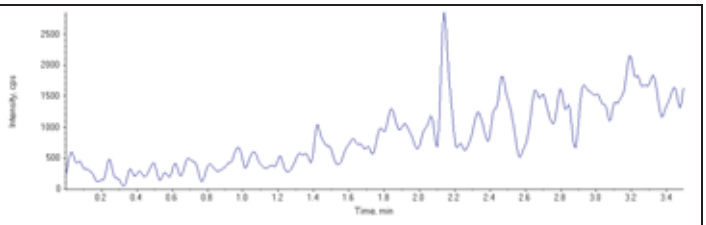
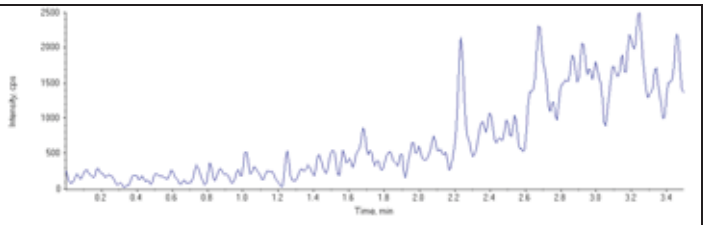
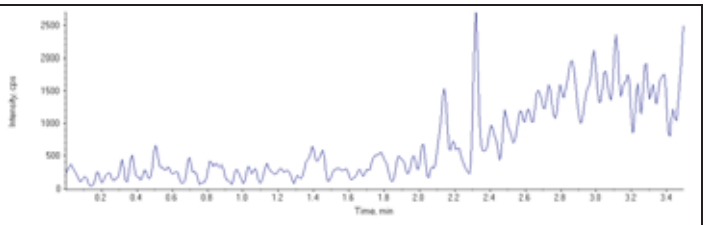
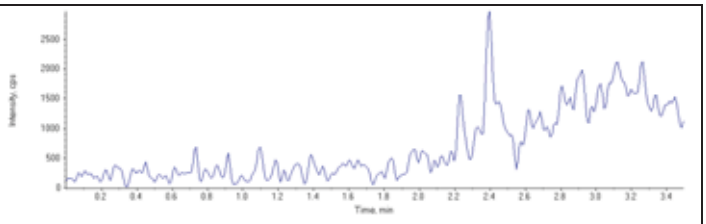
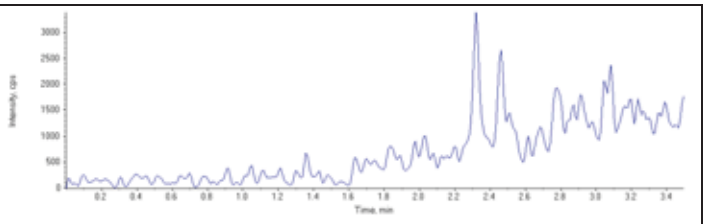
13C6-PFHxA IS (Internal Standard)

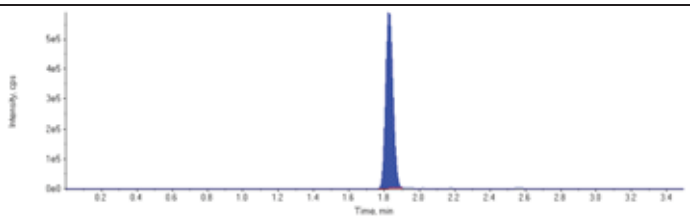
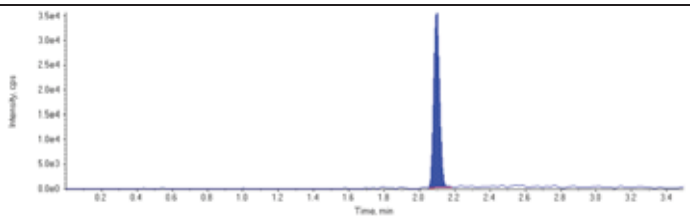
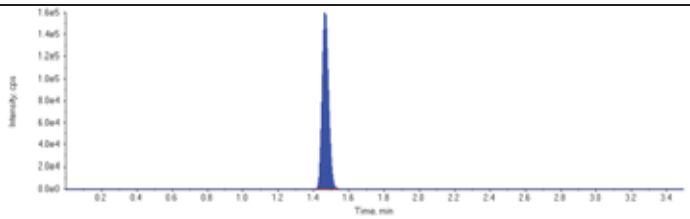
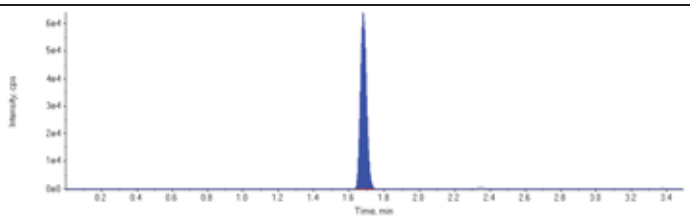
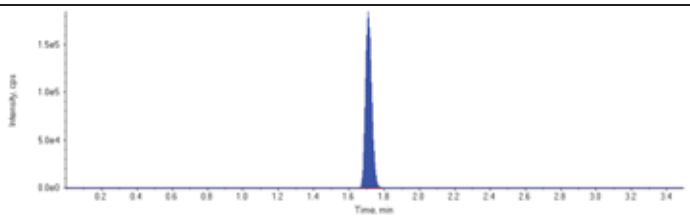
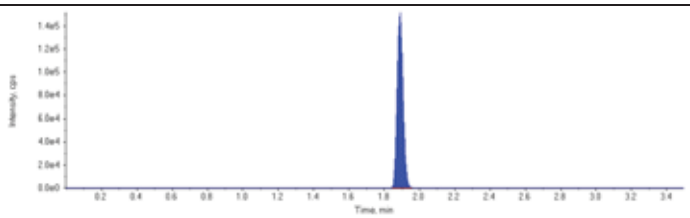
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

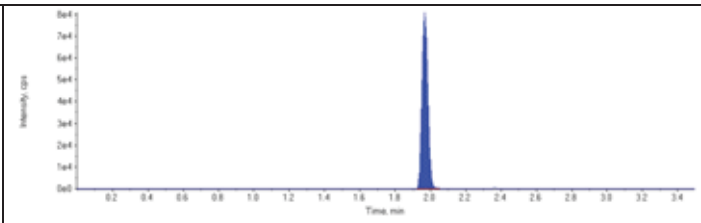
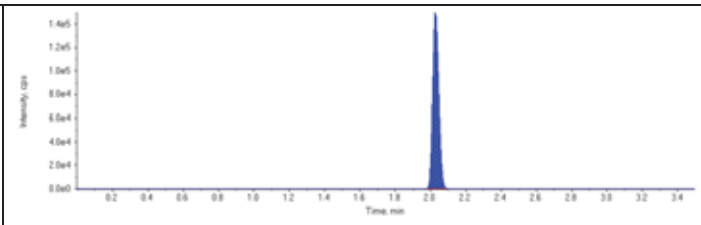
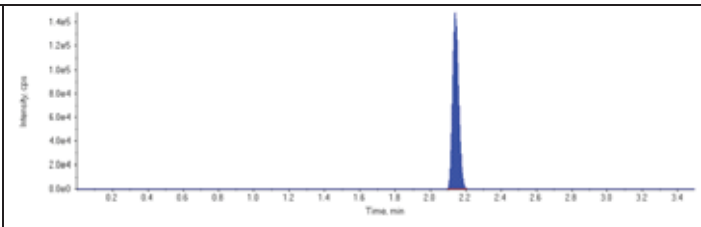
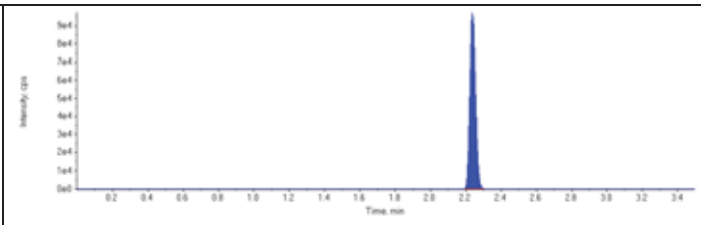
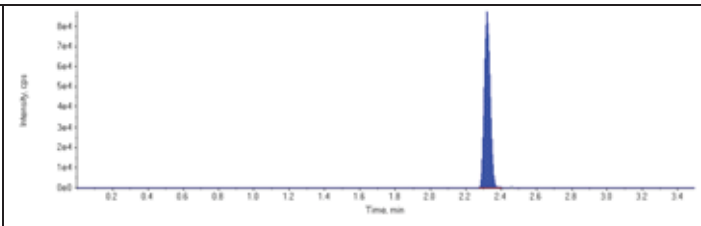
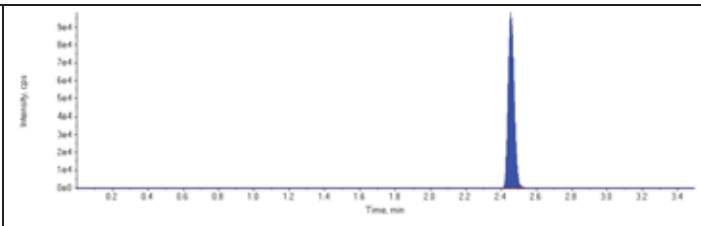


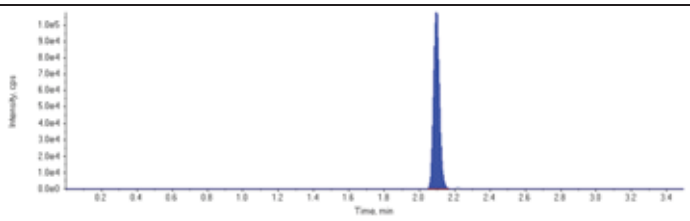
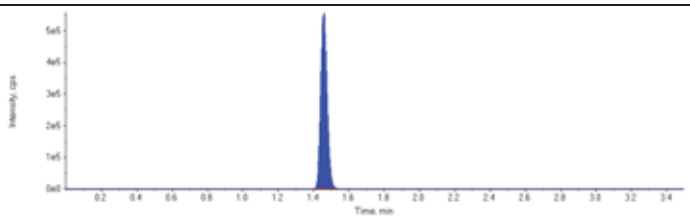
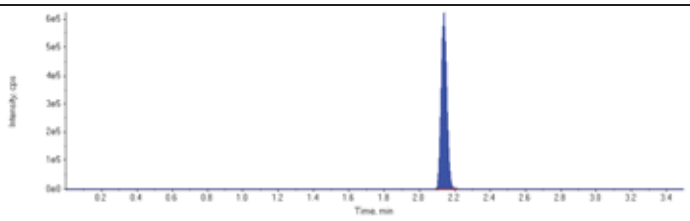
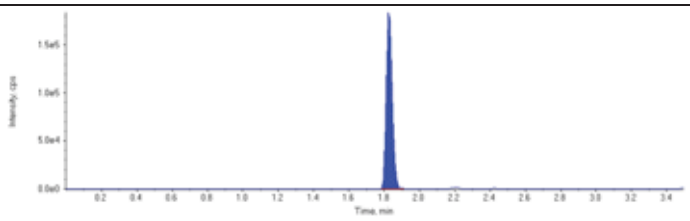
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.76 µg/L Area Ratio: 0.629 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 7.89 µg/L Area Ratio: 1.33 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 15.8 µg/L Area Ratio: 4.71 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 0.778 µg/L Area Ratio: 0.186 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 3.30 µg/L Area Ratio: 0.541 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 22.5 µg/L Area Ratio: 4.17 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.02) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 34.8 µg/L Area Ratio: 3.88 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 1.27 µg/L Area Ratio: 0.324 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 81.2 µg/L Area Ratio: 0.286 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 93.5 µg/L Area Ratio: 0.105 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 79.0 µg/L Area Ratio: 0.302 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 81.0 µg/L Area Ratio: 0.244 Sample Type: (Unknown)	

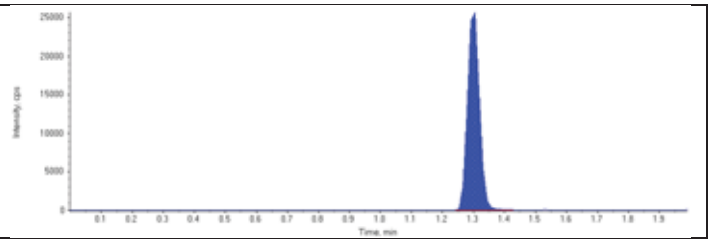
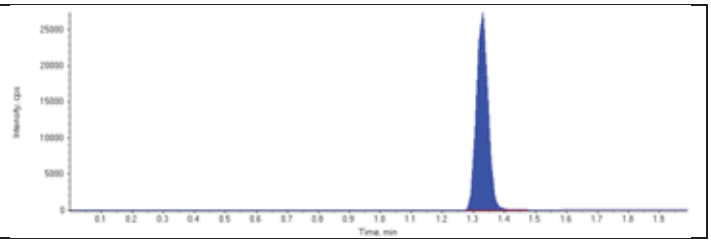
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 92.2 µg/L Area Ratio: 0.129 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 82.9 µg/L Area Ratio: 0.256 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 78.2 µg/L Area Ratio: 0.253 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 69.2 µg/L Area Ratio: 0.162 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 67.7 µg/L Area Ratio: 0.146 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 73.4 µg/L Area Ratio: 0.164 Sample Type: (Unknown)	

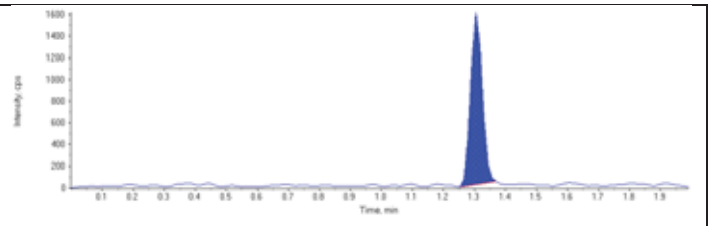
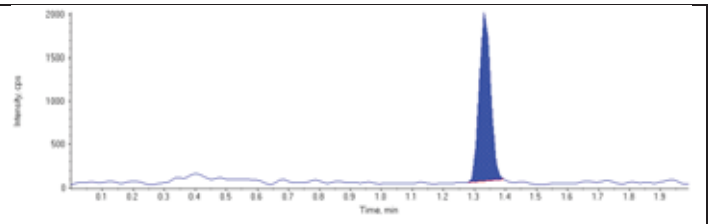
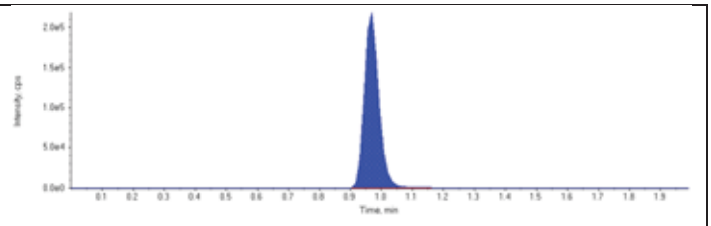
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 90.3 µg/L Area Ratio: 0.180 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 255. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 275. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 104. µg/L Area Ratio: 0.308 Sample Type: (Unknown)	

Sample ID	4872075~DXR289-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	44
Acquisition Date	2017/03/03 6:09:44 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	69000.	1.30	1.00	-
D5-EtFOSAA IS	70400.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	4140	1.31	N/A	0.206	N/A
EtFOSAA 1	4860	1.33	N/A	0.596	N/A
13C9-PFDA	705000	0.966	N/A	182.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 0.206 µg/L Area Ratio: 0.0600 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 0.596 µg/L Area Ratio: 0.0691 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.966 (0.855) min Calculated Conc: 182. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

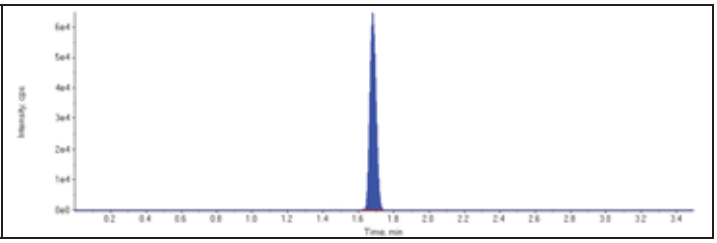
Sample ID	4872075~DXR290-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	14
Acquisition Date	2017/03/09 8:51:06 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for PFHxS, PFOS and 6:2-FTS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	155000.	1.68	1.00	-
MPFHxA	430000.	1.46	1.00	-
MPFHpA	476000.	1.71	1.00	-
MPFOA	388000.	1.89	1.00	-
MPFOS	180000.	1.97	1.00	-
MPFNA	389000.	2.03	1.00	-
MPFDA	338000.	2.14	1.00	-
MPFUnA	242000.	2.24	1.00	-
MPFDoA	210000.	2.32	1.00	-
MPFTeDA	224000.	2.46	1.00	-
M2 6:2 FTS	407000.	1.83	1.00	-
M2 8:2 FTS	277000.	2.09	1.00	-
13C6-PFHxA IS	1520000.	1.46	0.417	-
13C9-PFDA IS	1400000.	2.14	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	162000	1.15	N/A	2.81	N/A
PFHxA 1	1290000	1.46	N/A	17.8	N/A
PFHxS 1	2570000	1.68	N/A	55.8	N/A
PFHpA 1	241000	1.71	N/A	3.06	N/A
PFOA 1	1180000	1.89	N/A	19.9	N/A
PFOS 1	1830000	1.93	N/A	54.7	N/A
PFNA 1	32300	2.03	N/A	0.447	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	3540000	1.83	N/A	78.5	N/A
8:2-FTS 1	114000	2.10	N/A	1.77	N/A
13C2-PFHxA	430000	1.46	N/A	80.2	N/A
18O2-PFHxS	155000	1.68	N/A	90.9	N/A
13C4-PFHpA	476000	1.71	N/A	81.8	N/A
13C4-PFOA	388000	1.89	N/A	84.6	N/A
13C4-PFOS	180000	1.97	N/A	84.4	N/A
13C5-PFNA	389000	2.03	N/A	82.8	N/A
13C2-PFDA	338000	2.14	N/A	74.9	N/A
13C2-PFUnA	242000	2.24	N/A	74.0	N/A
13C2-PFDoA	210000	2.32	N/A	69.8	N/A
13C2-PFTeDA	224000	2.46	N/A	71.4	N/A
13C2-8:2 FTS	277000	2.09	N/A	91.2	N/A
13C6-PFHxA	1520000	1.46	N/A	273.	N/A
13C9-PFDA	1400000	2.14	N/A	283.	N/A
13C2-6:2-FTS	407000	1.83	N/A	90.7	N/A

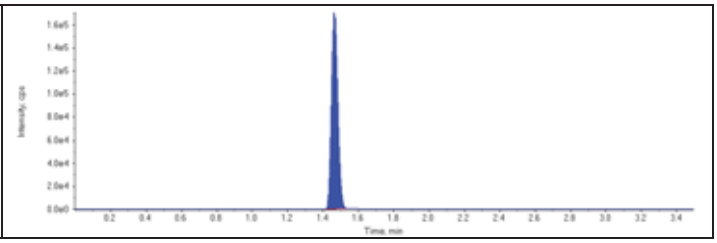
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



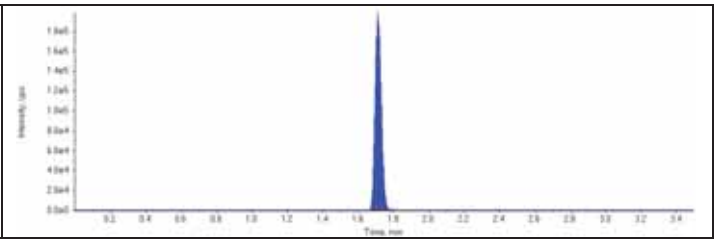
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



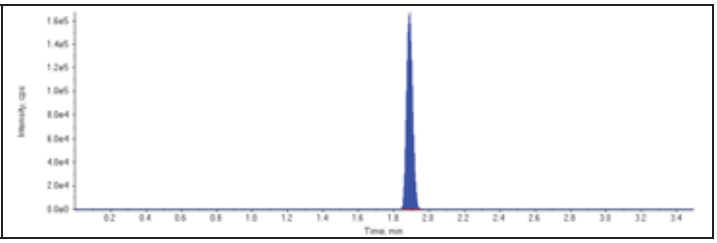
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



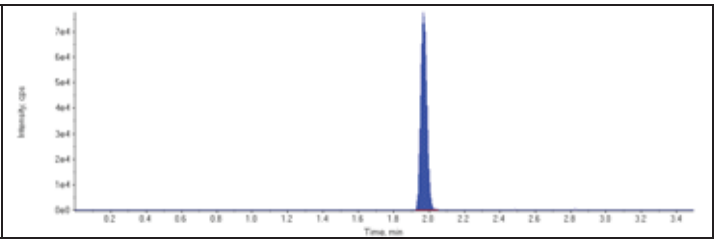
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



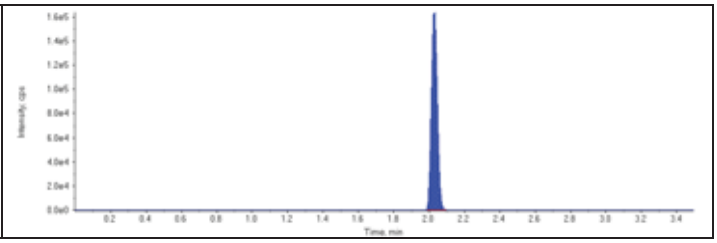
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



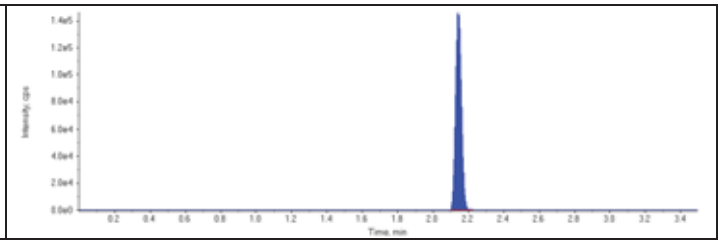
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



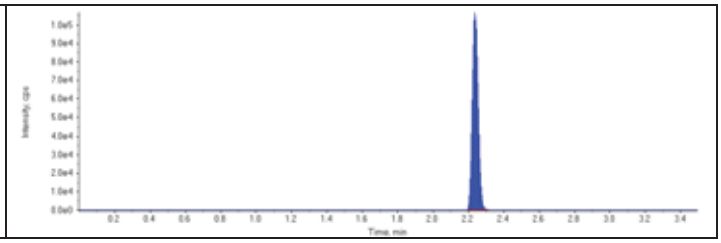
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



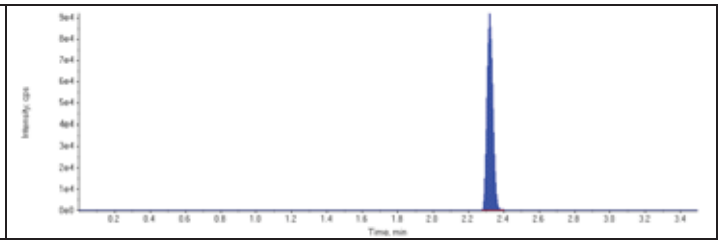
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



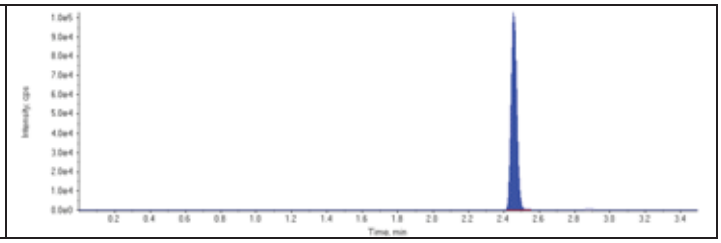
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



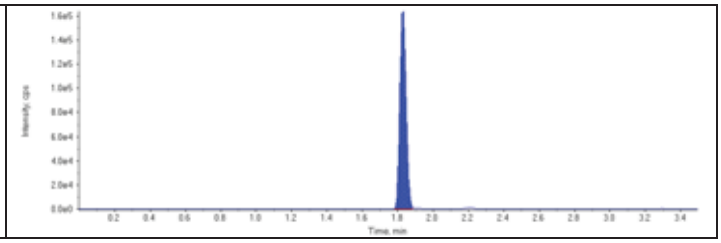
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



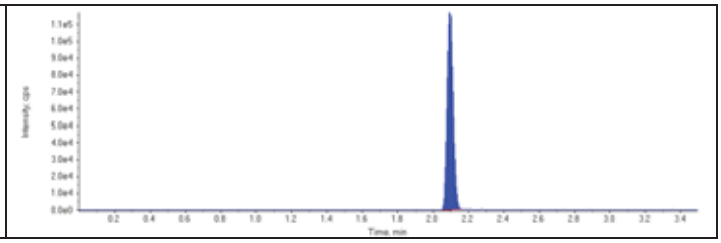
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



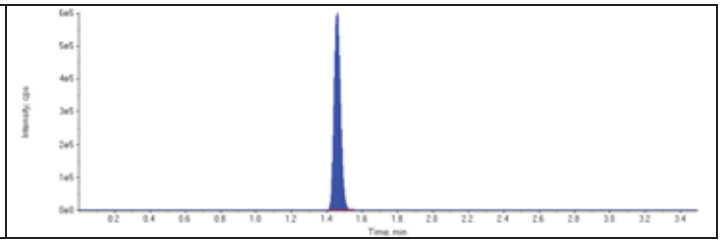
M2 8:2 FTS (Internal Standard)

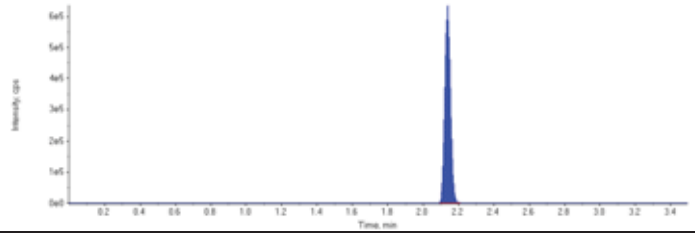
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

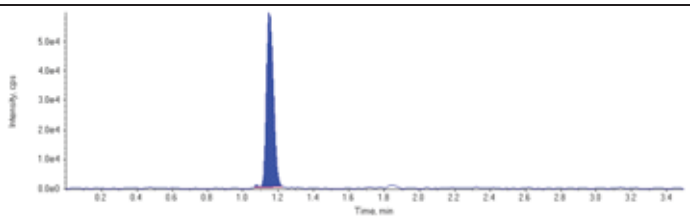
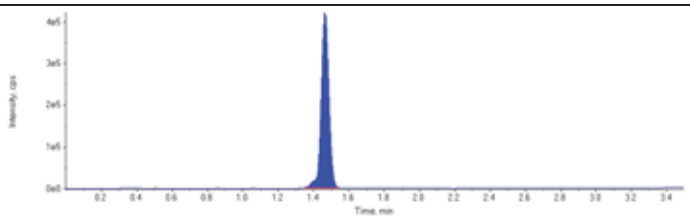
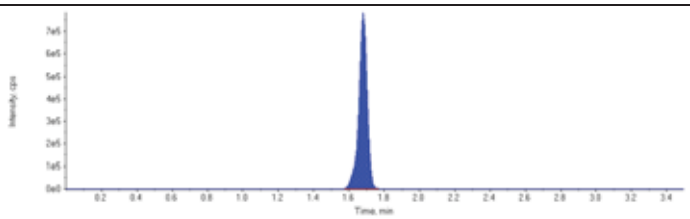
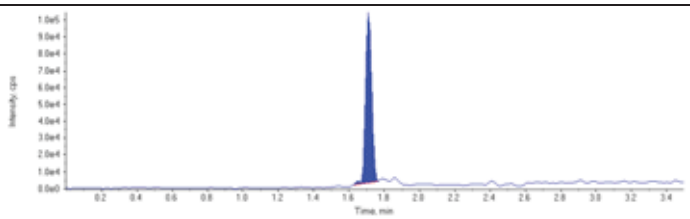
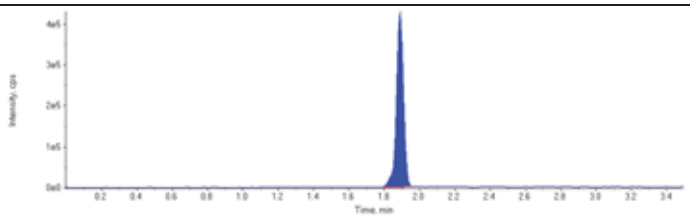
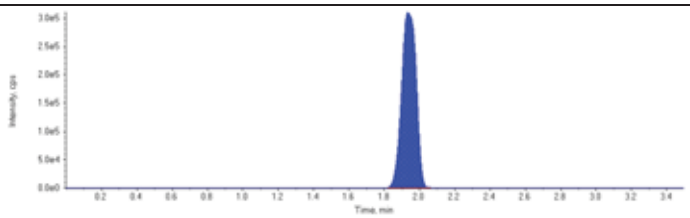


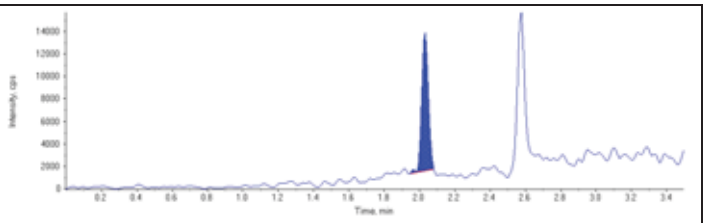
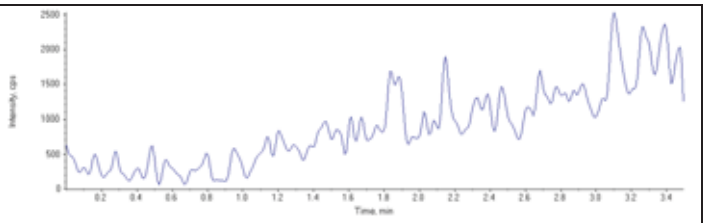
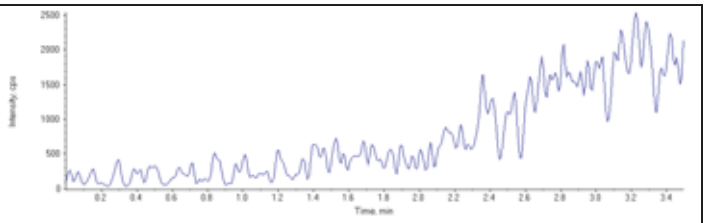
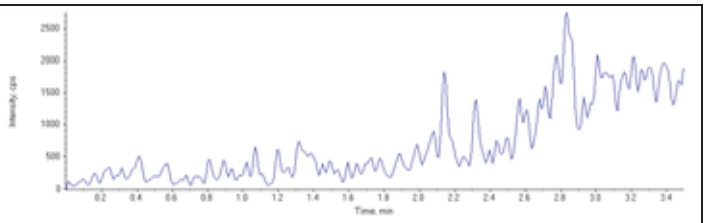
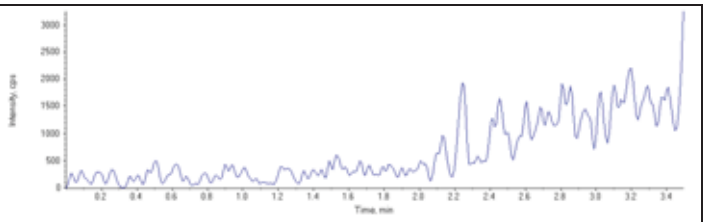
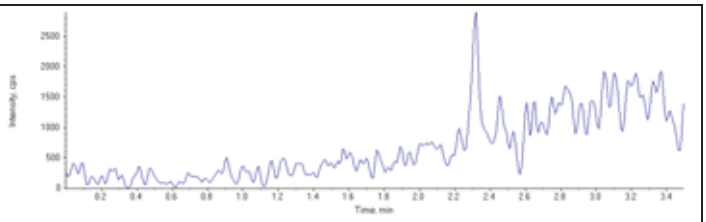
13C6-PFHxA IS (Internal Standard)

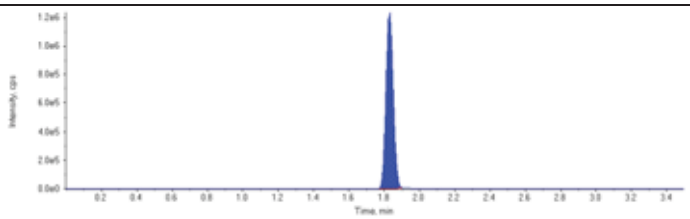
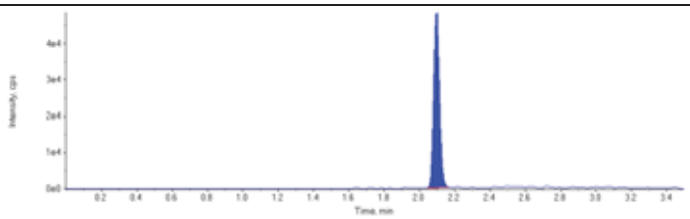
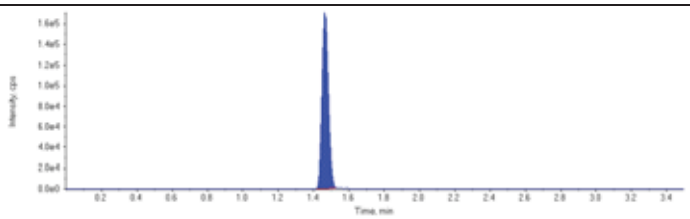
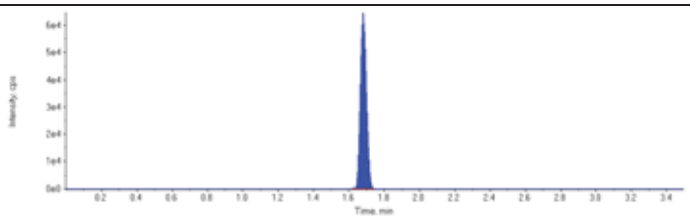
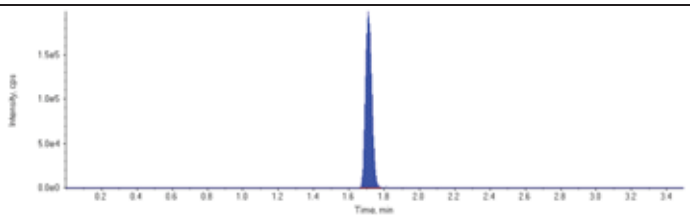
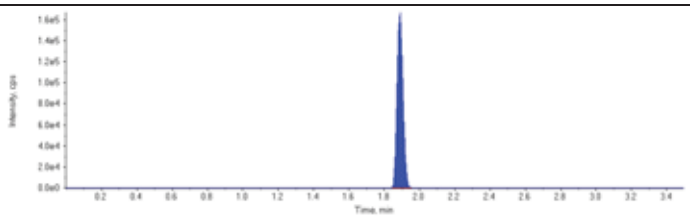
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

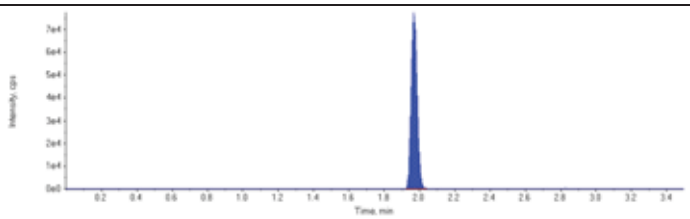
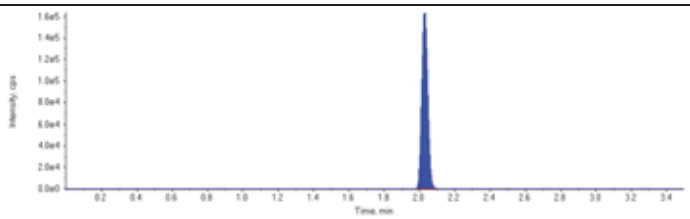
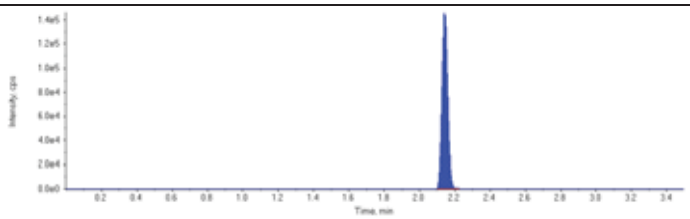
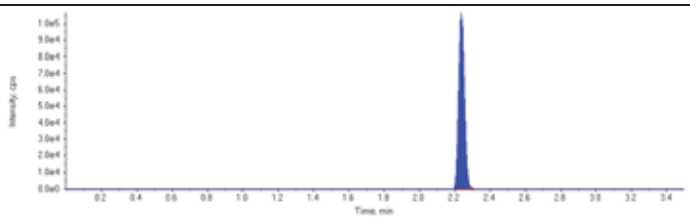
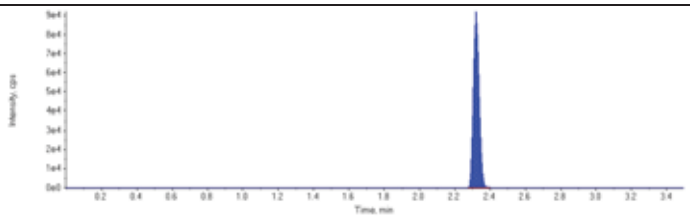
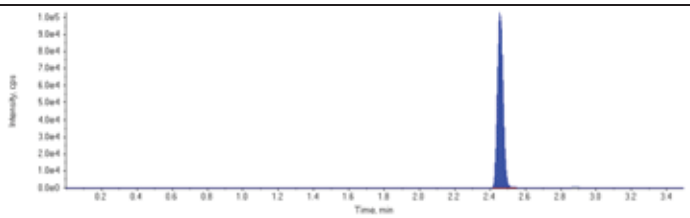


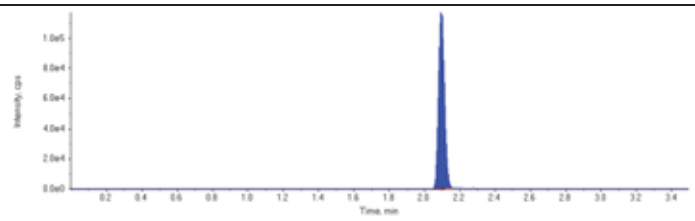
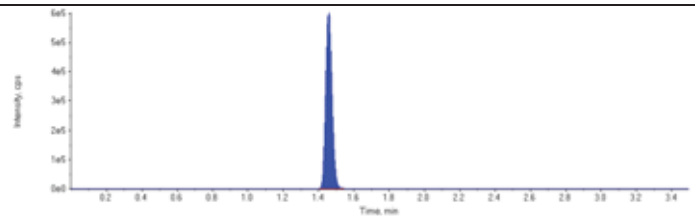
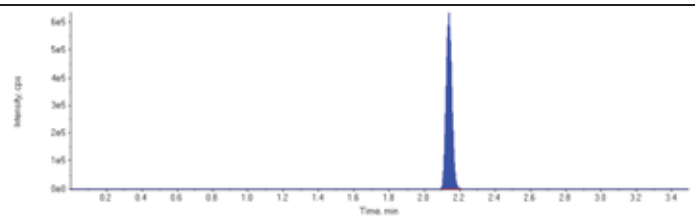
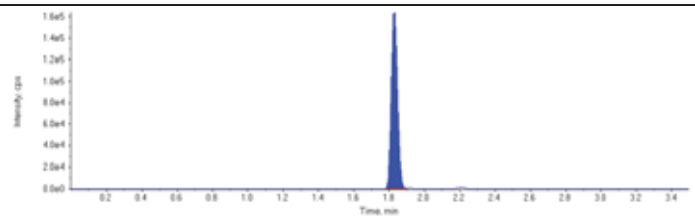
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.81 µg/L Area Ratio: 1.05 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 17.8 µg/L Area Ratio: 3.01 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 55.8 µg/L Area Ratio: 16.6 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 3.06 µg/L Area Ratio: 0.505 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 19.9 µg/L Area Ratio: 3.04 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.93 (1.97) min Calculated Conc: 54.7 µg/L Area Ratio: 10.1 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.447 µg/L Area Ratio: 0.0830 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 78.5 µg/L Area Ratio: 8.69 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 1.77 µg/L Area Ratio: 0.413 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 80.2 µg/L Area Ratio: 0.282 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 90.9 µg/L Area Ratio: 0.102 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 81.8 µg/L Area Ratio: 0.313 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 84.6 µg/L Area Ratio: 0.255 Sample Type: (Unknown)	

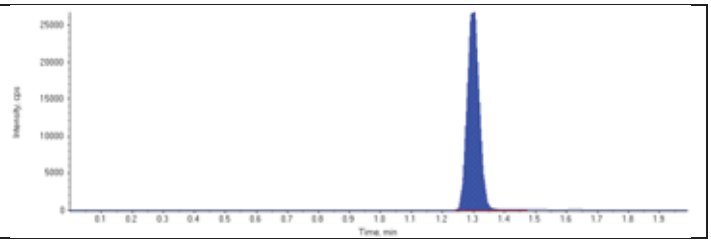
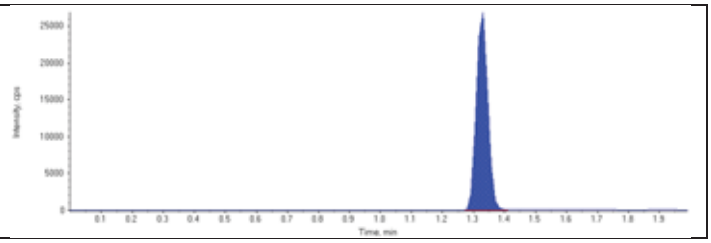
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 84.4 µg/L Area Ratio: 0.118 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 82.8 µg/L Area Ratio: 0.255 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 74.9 µg/L Area Ratio: 0.242 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 74.0 µg/L Area Ratio: 0.173 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 69.8 µg/L Area Ratio: 0.150 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 71.4 µg/L Area Ratio: 0.160 Sample Type: (Unknown)	

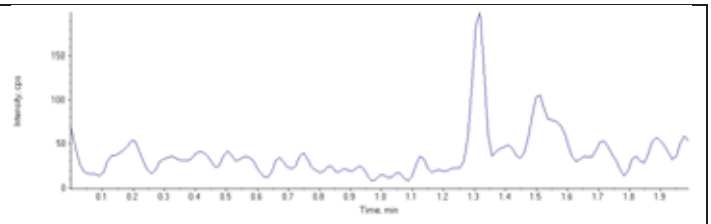
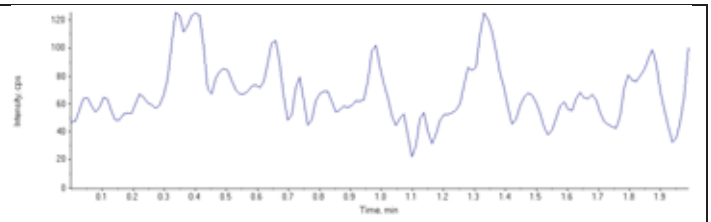
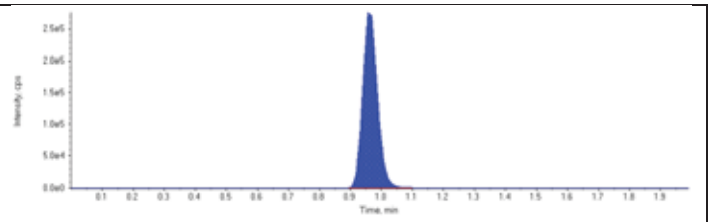
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 91.2 µg/L Area Ratio: 0.182 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 273. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 283. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 90.7 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	

Sample ID	4872075~DXR290-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	45
Acquisition Date	2017/03/03 6:12:18 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	72400.	1.30	1.00	-
D5-EtFOSAA IS	68800.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	927000	0.962	N/A	239.	N/A

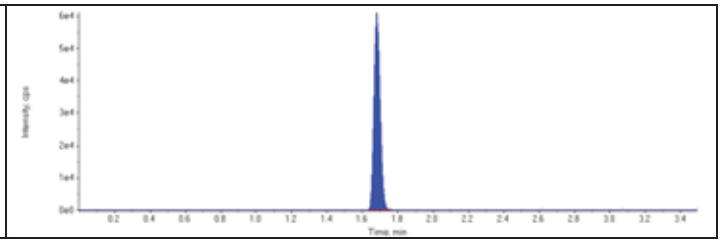
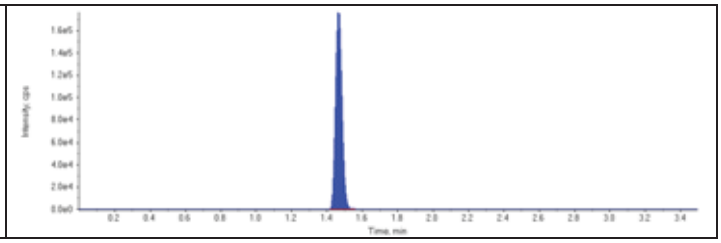
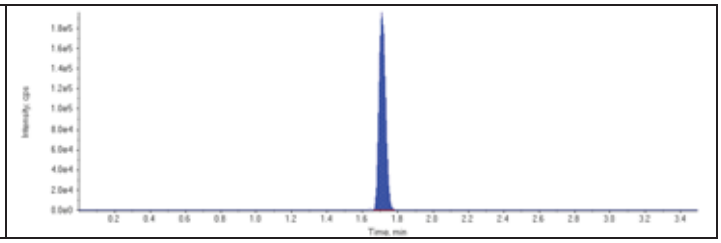
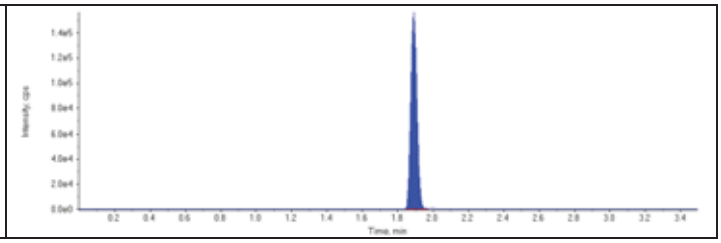
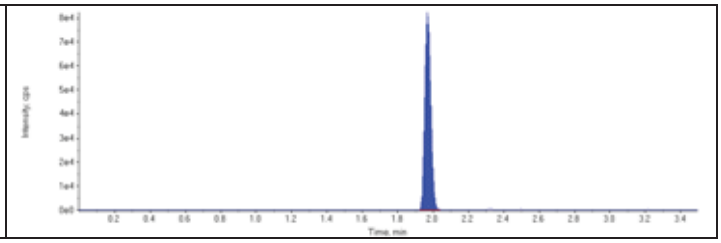
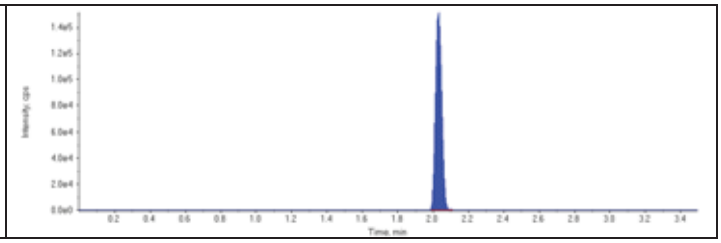
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.962 (0.855) min Calculated Conc: 239. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR291-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	15
Acquisition Date	2017/03/09 8:56:10 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Not reported		

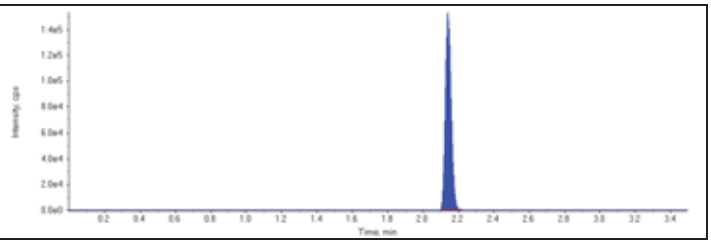
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	147000.	1.68	1.00	-
MPFHxA	456000.	1.47	1.00	-
MPFHpA	487000.	1.71	1.00	-
MPFOA	366000.	1.89	1.00	-
MPFOS	190000.	1.97	1.00	-
MPFNA	371000.	2.03	1.00	-
MPFDA	344000.	2.14	1.00	-
MPFUnA	229000.	2.24	1.00	-
MPFDoA	187000.	2.32	1.00	-
MPFTeDA	217000.	2.46	1.00	-
M2 6:2 FTS	463000.	1.83	1.00	-
M2 8:2 FTS	267000.	2.09	1.00	-
13C6-PFHxA IS	1450000.	1.46	0.417	-
13C9-PFDA IS	1280000.	2.14	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	98000	1.15	N/A	1.86	N/A
PFHxA 1	515000	1.47	N/A	6.72	N/A
PFHxS 1	677000	1.68	N/A	15.5	N/A
PFHpA 1	93000	1.71	N/A	0.812	N/A
PFOA 1	196000	1.89	N/A	3.26	N/A
PFOS 1	723000	1.96	N/A	20.5	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	1760000	1.83	N/A	34.2	N/A
8:2-FTS 1	82200	2.09	N/A	1.18	N/A
13C2-PFHxA	456000	1.47	N/A	89.5	N/A
18O2-PFHxS	147000	1.68	N/A	90.7	N/A
13C4-PFHpA	487000	1.71	N/A	88.0	N/A
13C4-PFOA	366000	1.89	N/A	84.0	N/A
13C4-PFOS	190000	1.97	N/A	93.7	N/A
13C5-PFNA	371000	2.03	N/A	83.1	N/A
13C2-PFDA	344000	2.14	N/A	82.8	N/A
13C2-PFUnA	229000	2.24	N/A	76.5	N/A
13C2-PFDoA	187000	2.32	N/A	67.4	N/A
13C2-PFTeDA	217000	2.46	N/A	75.5	N/A
13C2-8:2 FTS	267000	2.09	N/A	92.5	N/A
13C6-PFHxA	1450000	1.46	N/A	260.	N/A
13C9-PFDA	1280000	2.14	N/A	260.	N/A
13C2-6:2-FTS	463000	1.83	N/A	108.	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

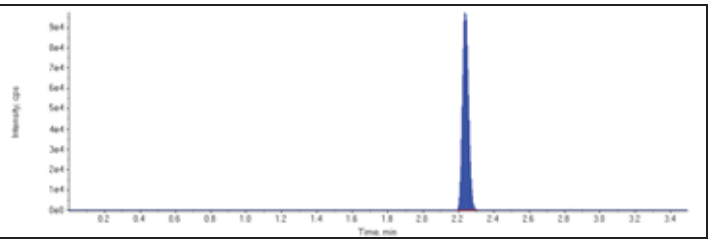
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



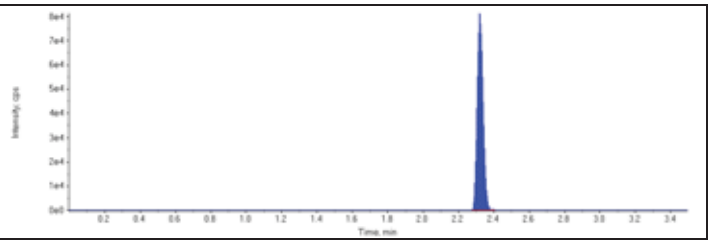
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



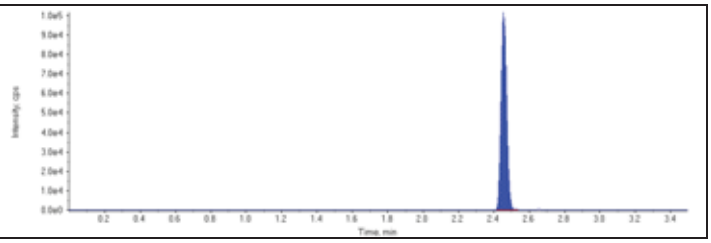
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



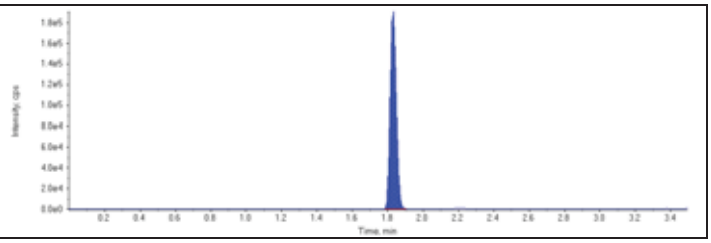
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



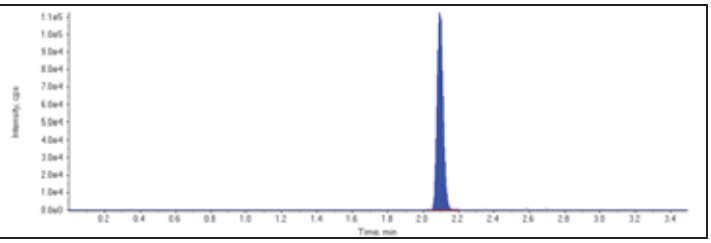
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



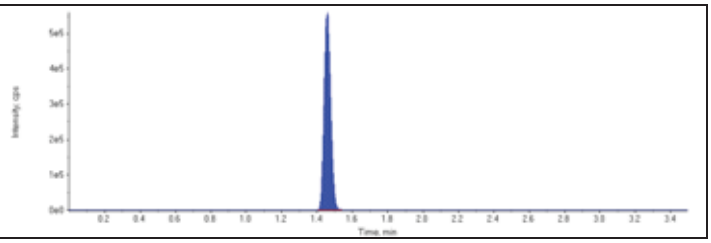
M2 8:2 FTS (Internal Standard)

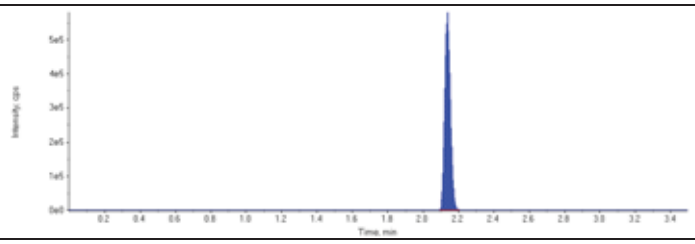
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

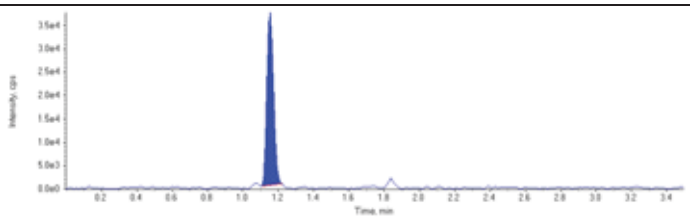
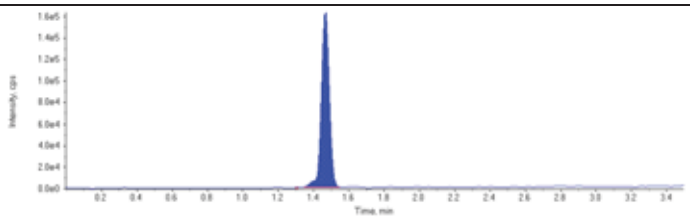
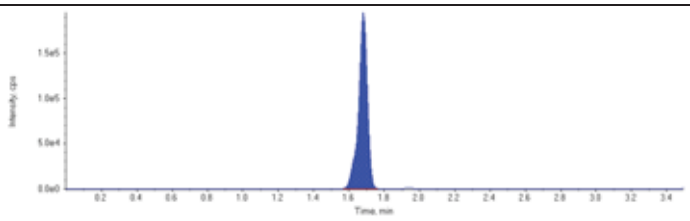
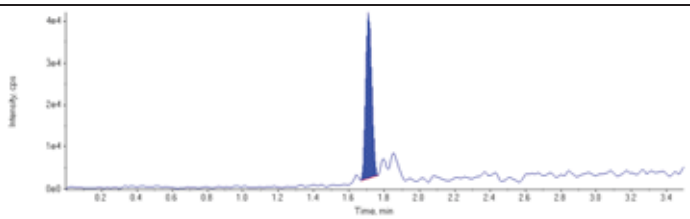
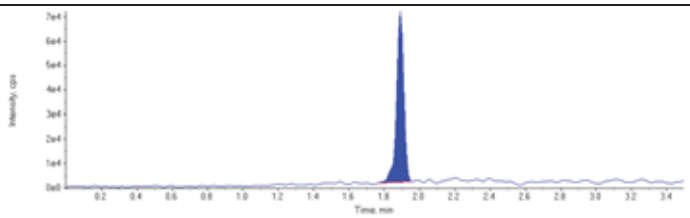
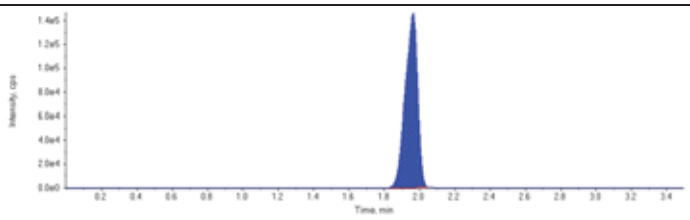


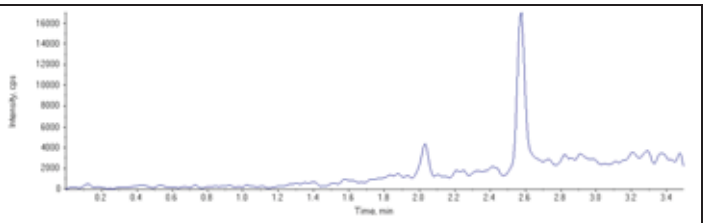
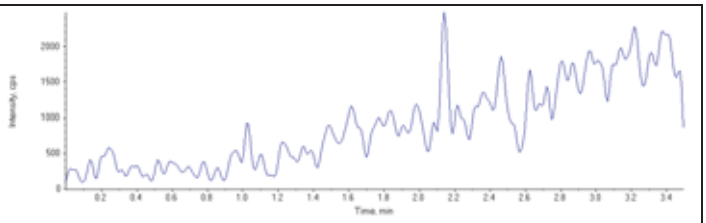
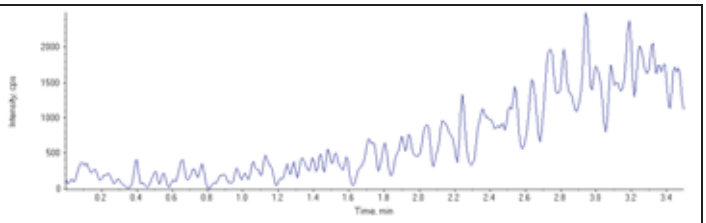
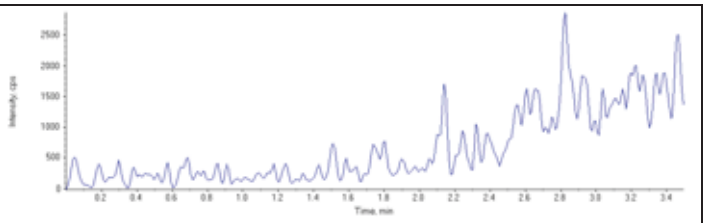
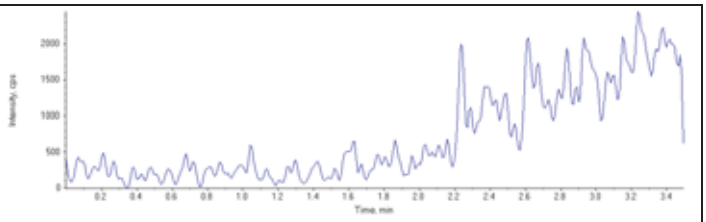
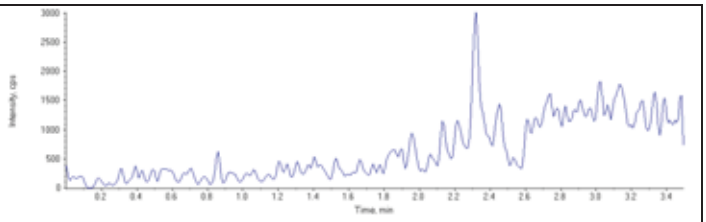
13C6-PFHxA IS (Internal Standard)

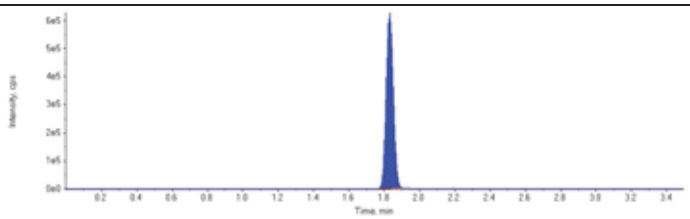
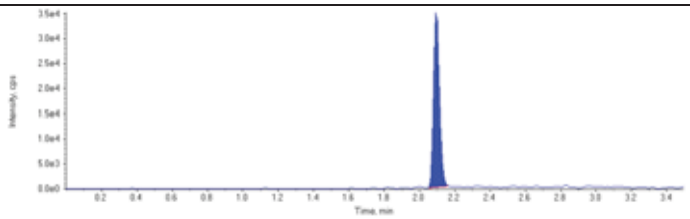
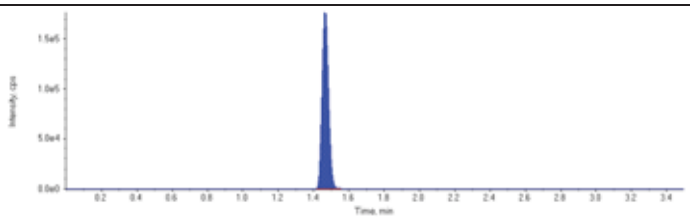
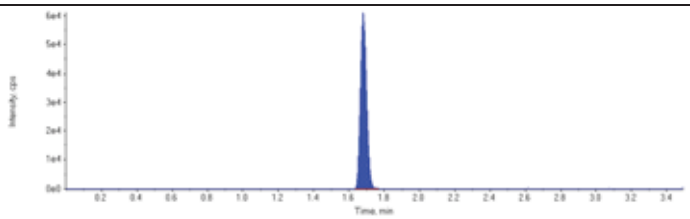
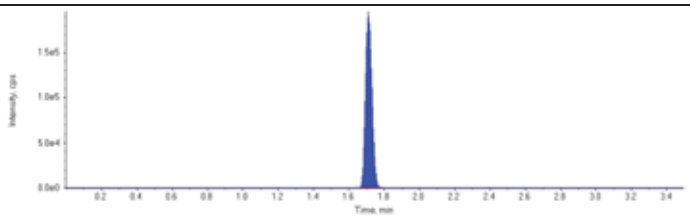
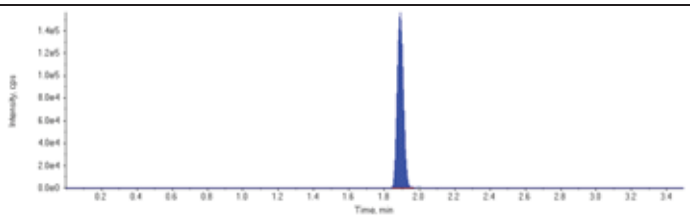
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

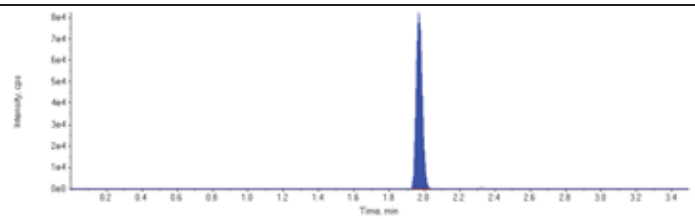
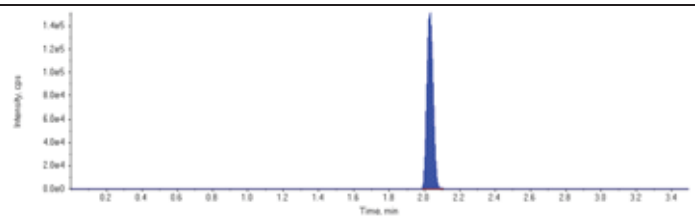
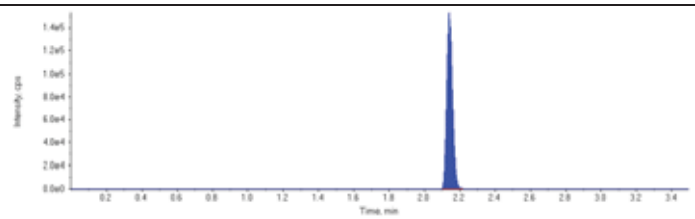
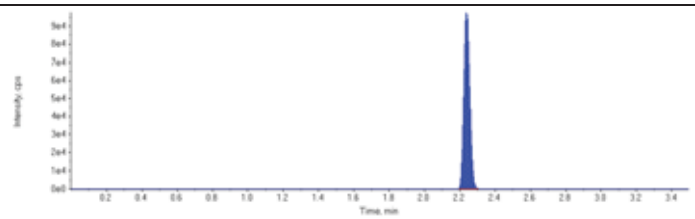
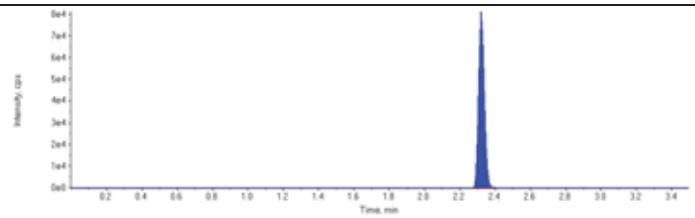
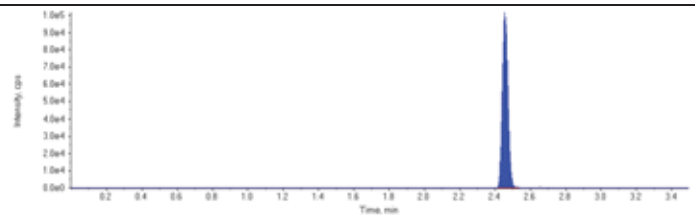


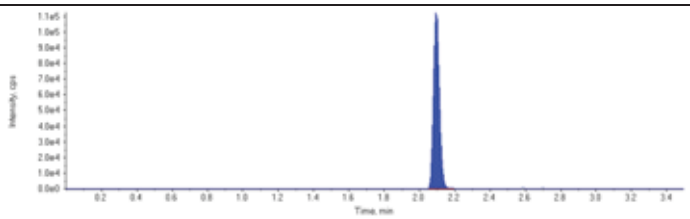
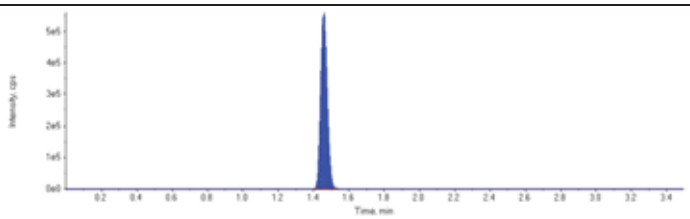
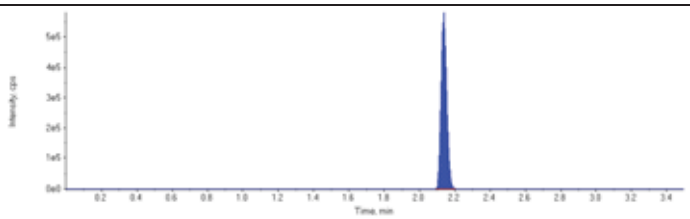
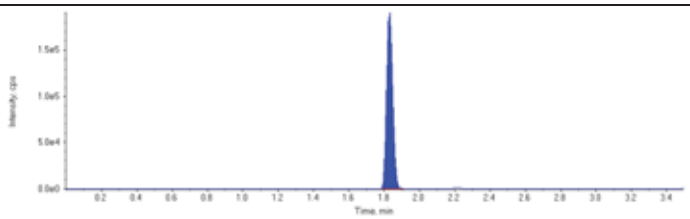
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.86 µg/L Area Ratio: 0.668 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 6.72 µg/L Area Ratio: 1.13 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 15.5 µg/L Area Ratio: 4.61 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 0.812 µg/L Area Ratio: 0.191 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 3.26 µg/L Area Ratio: 0.535 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 20.5 µg/L Area Ratio: 3.80 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.02) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 34.2 µg/L Area Ratio: 3.81 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 1.18 µg/L Area Ratio: 0.308 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 89.5 µg/L Area Ratio: 0.315 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 90.7 µg/L Area Ratio: 0.101 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 88.0 µg/L Area Ratio: 0.337 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 84.0 µg/L Area Ratio: 0.253 Sample Type: (Unknown)	

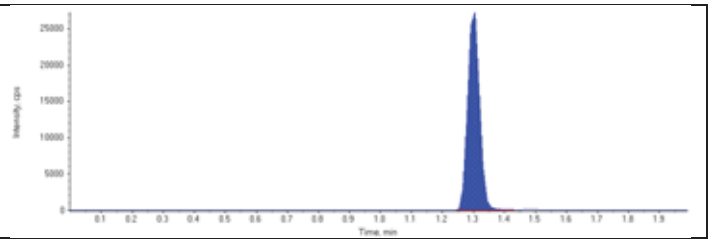
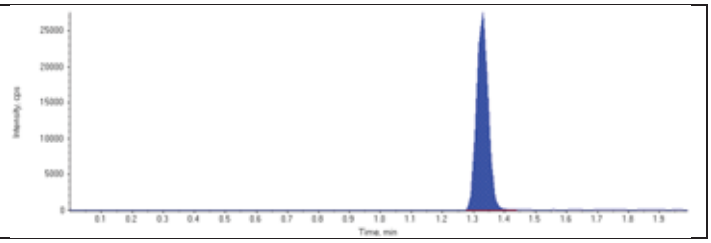
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 93.7 µg/L Area Ratio: 0.131 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 83.1 µg/L Area Ratio: 0.256 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 82.8 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 76.5 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 67.4 µg/L Area Ratio: 0.145 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 75.5 µg/L Area Ratio: 0.169 Sample Type: (Unknown)	

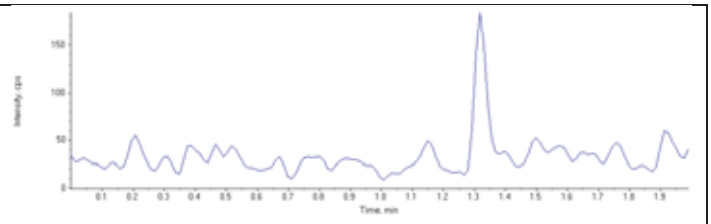
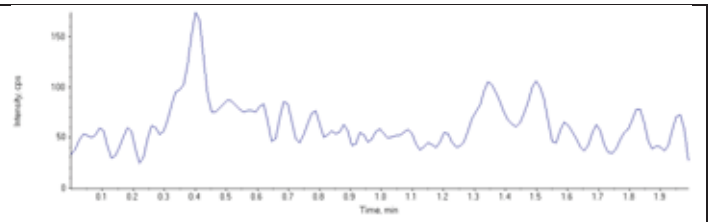
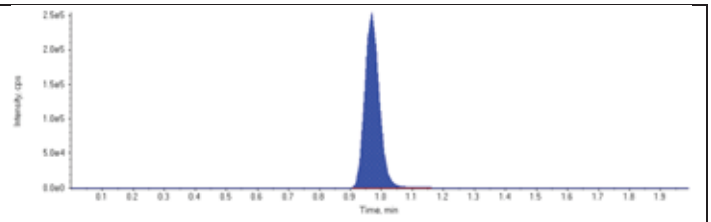
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 92.5 µg/L Area Ratio: 0.184 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 260. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 260. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 108. µg/L Area Ratio: 0.319 Sample Type: (Unknown)	

Sample ID	4872075~DXR291-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	46
Acquisition Date	2017/03/03 6:14:52 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	72200.	1.30	1.00	-
D5-EtFOSAA IS	70300.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	814000	0.968	N/A	210.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.968 (0.855) min Calculated Conc: 210. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

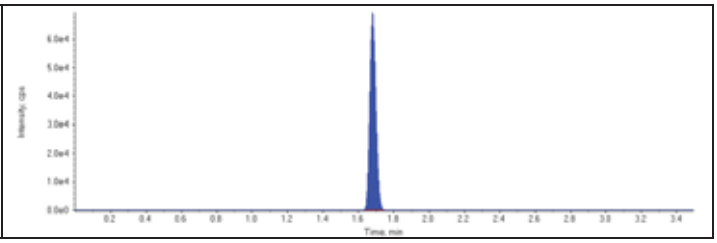
Sample ID	4872075~DXR292-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	16
Acquisition Date	2017/03/09 9:01:15 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Not reported		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	161000.	1.68	1.00	-
MPFHxA	453000.	1.46	1.00	-
MPFHpA	459000.	1.71	1.00	-
MPFOA	390000.	1.89	1.00	-
MPFOS	188000.	1.97	1.00	-
MPFNA	384000.	2.03	1.00	-
MPFDA	364000.	2.14	1.00	-
MPFUnA	241000.	2.24	1.00	-
MPFDoA	236000.	2.32	1.00	-
MPFTeDA	231000.	2.45	1.00	-
M2 6:2 FTS	427000.	1.83	1.00	-
M2 8:2 FTS	261000.	2.10	1.00	-
13C6-PFHxA IS	1550000.	1.46	0.417	-
13C9-PFDA IS	1150000.	2.14	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	141000	1.15	N/A	2.38	N/A
PFHxA 1	924000	1.46	N/A	12.1	N/A
PFHxS 1	1160000	1.68	N/A	24.2	N/A
PFHpA 1	186000	1.71	N/A	2.35	N/A
PFOA 1	445000	1.89	N/A	7.30	N/A
PFOS 1	1520000	1.97	N/A	43.4	N/A
PFNA 1	16300	2.03	N/A	0.163	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	2170000	1.83	N/A	45.8	N/A
8:2-FTS 1	389000	2.10	N/A	7.76	N/A
13C2-PFHxA	453000	1.46	N/A	83.0	N/A
18O2-PFHxS	161000	1.68	N/A	93.0	N/A
13C4-PFHpA	459000	1.71	N/A	77.4	N/A
13C4-PFOA	390000	1.89	N/A	83.5	N/A
13C4-PFOS	188000	1.97	N/A	86.7	N/A
13C5-PFNA	384000	2.03	N/A	80.3	N/A
13C2-PFDA	364000	2.14	N/A	98.0	N/A
13C2-PFUnA	241000	2.24	N/A	89.7	N/A
13C2-PFDoA	236000	2.32	N/A	95.3	N/A
13C2-PFTeDA	231000	2.45	N/A	90.1	N/A
13C2-8:2 FTS	261000	2.10	N/A	84.4	N/A
13C6-PFHxA	1550000	1.46	N/A	278.	N/A
13C9-PFDA	1150000	2.14	N/A	232.	N/A
13C2-6:2-FTS	427000	1.83	N/A	93.4	N/A

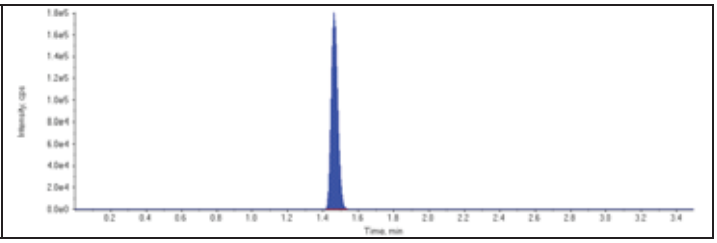
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



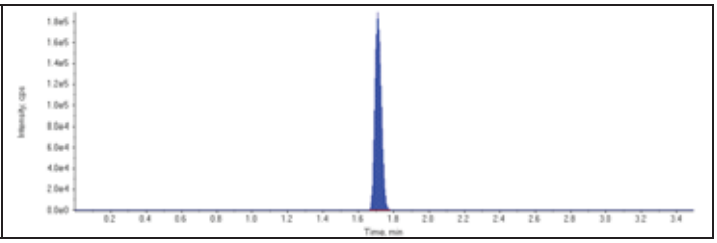
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



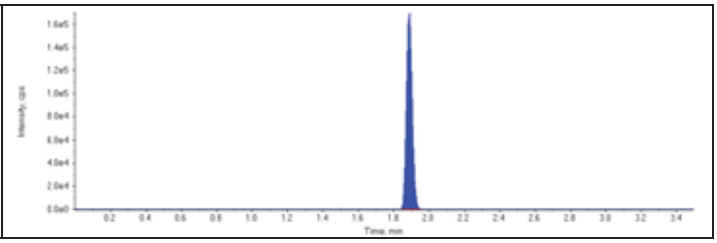
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



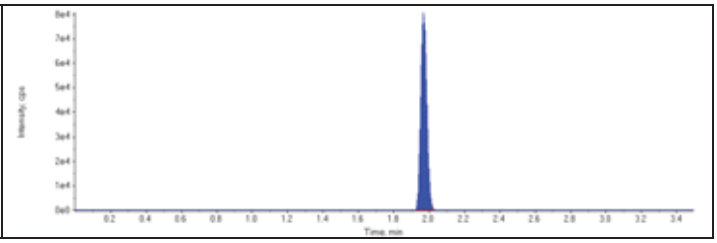
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



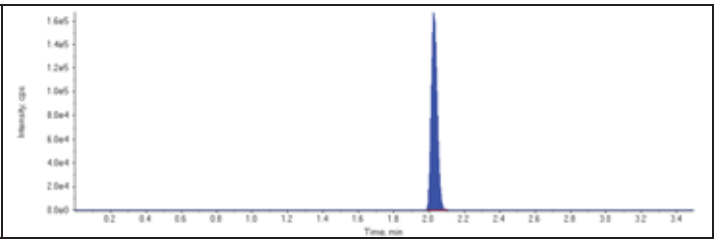
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



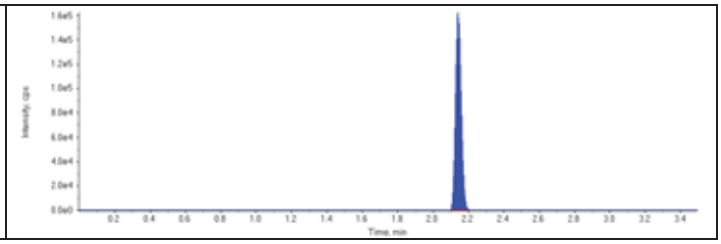
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



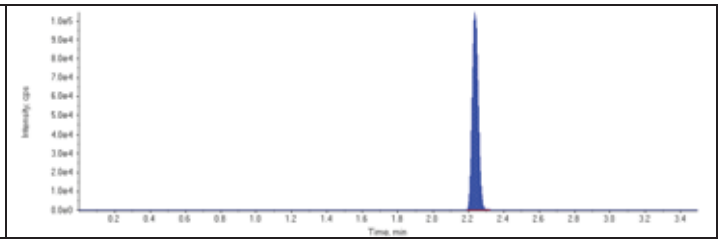
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



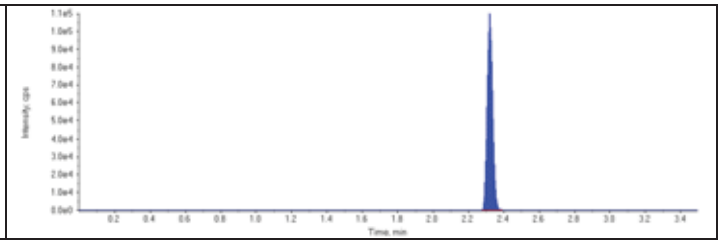
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



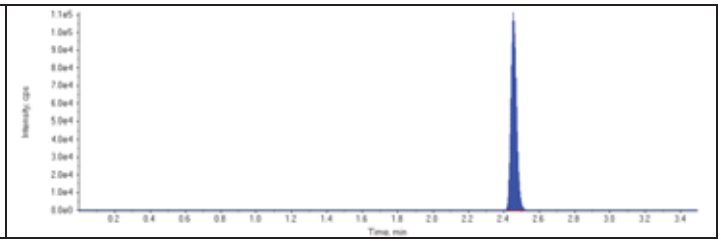
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



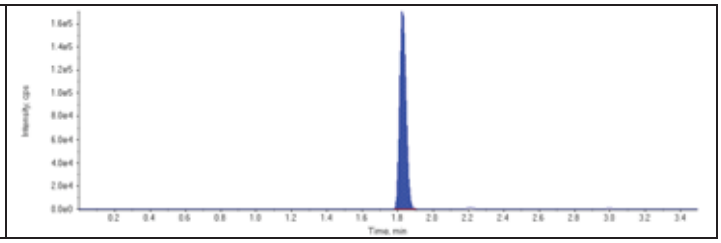
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.45(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



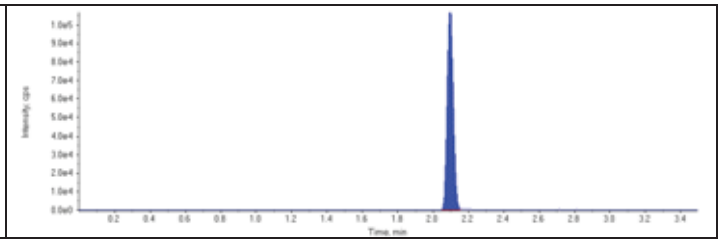
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



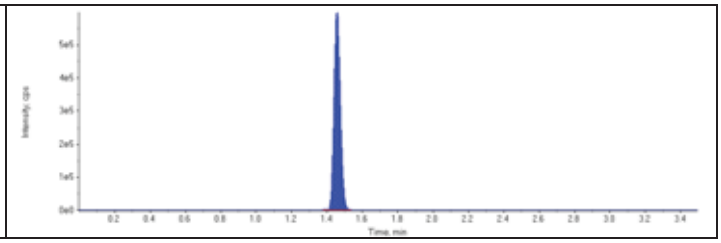
M2 8:2 FTS (Internal Standard)

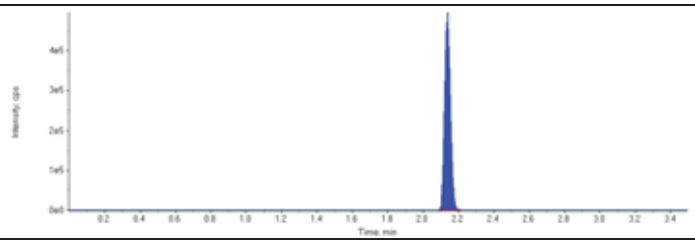
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

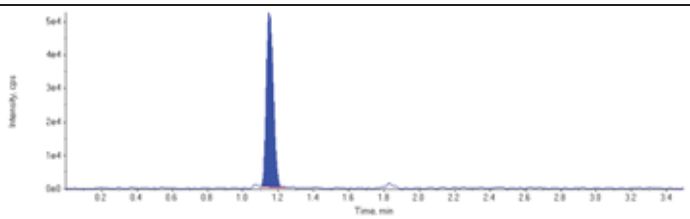
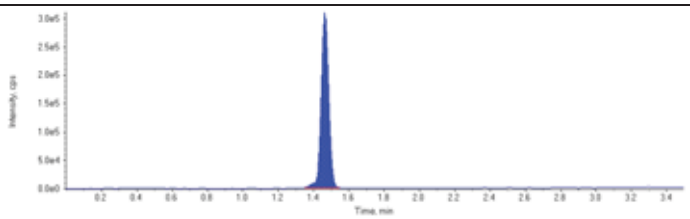
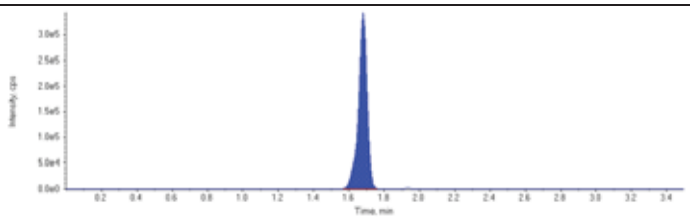
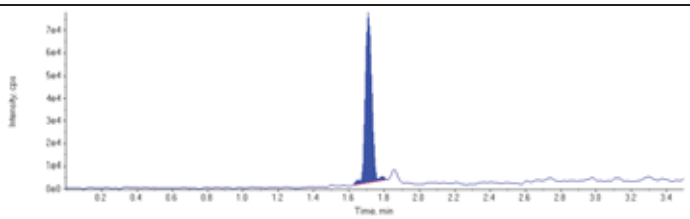
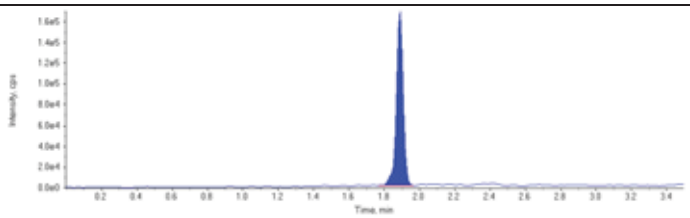
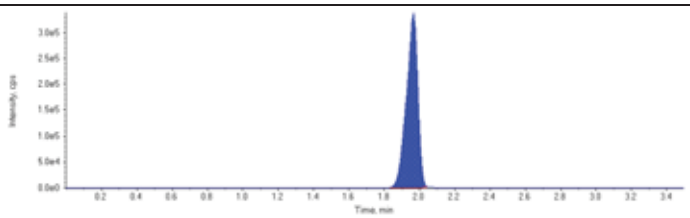


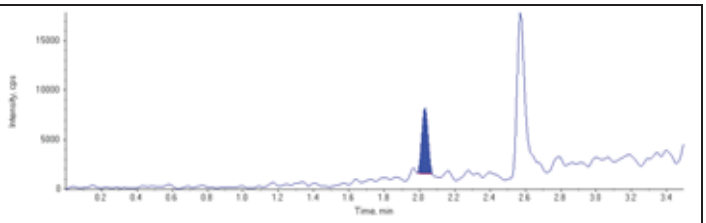
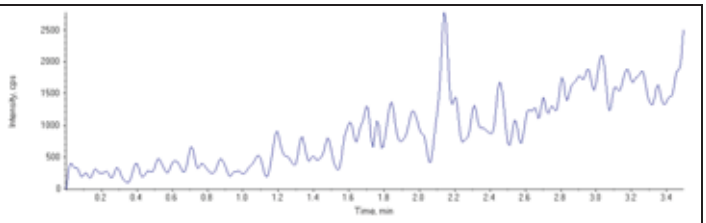
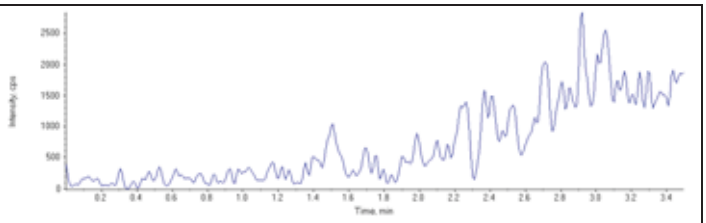
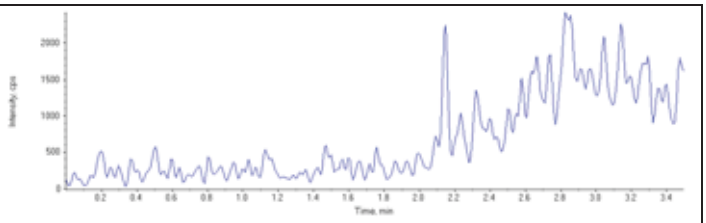
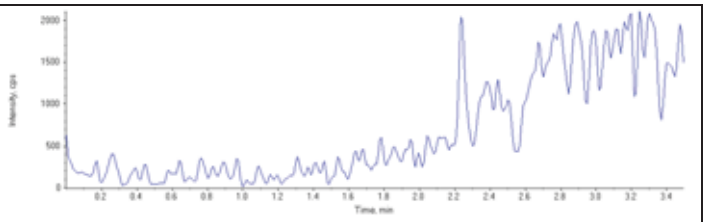
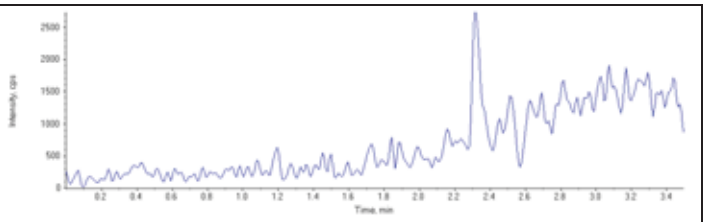
13C6-PFHxA IS (Internal Standard)

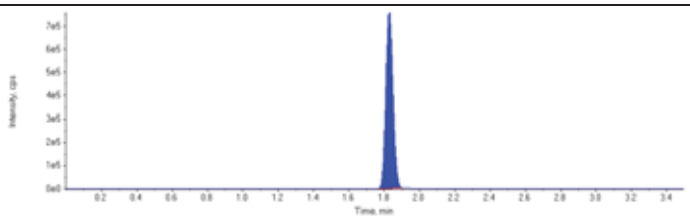
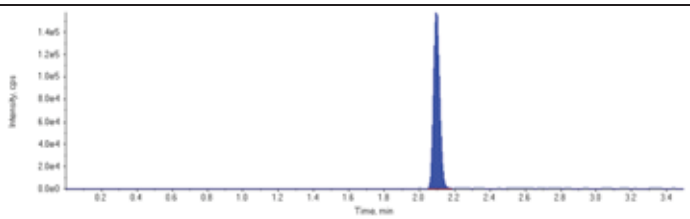
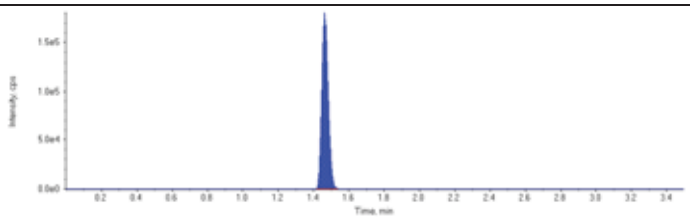
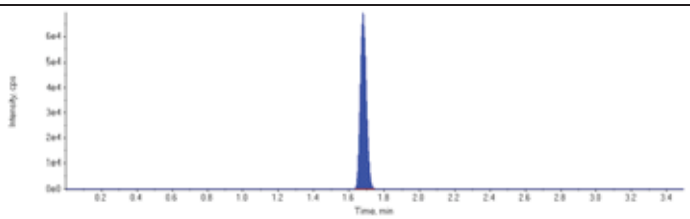
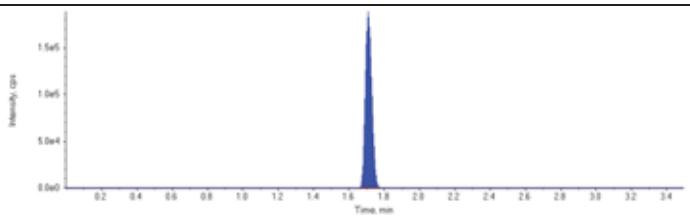
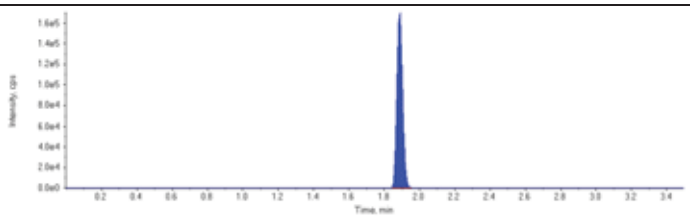
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

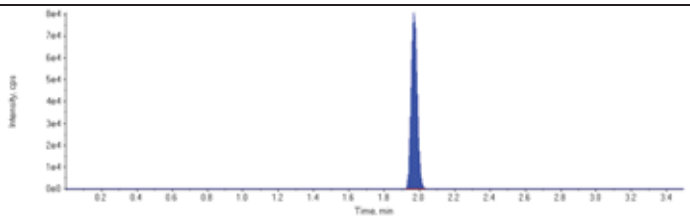
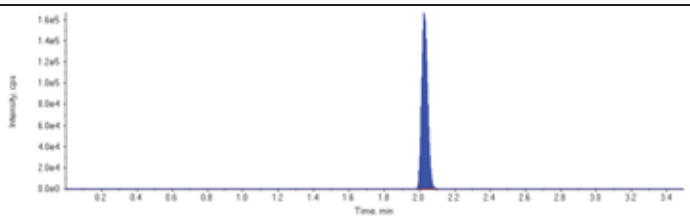
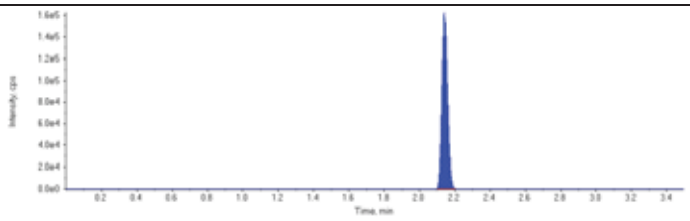
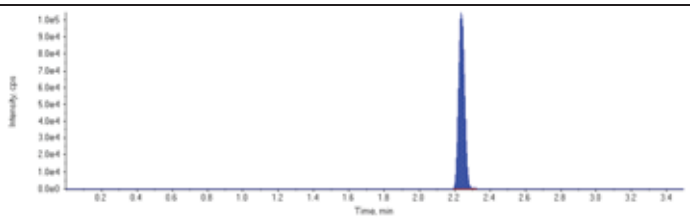
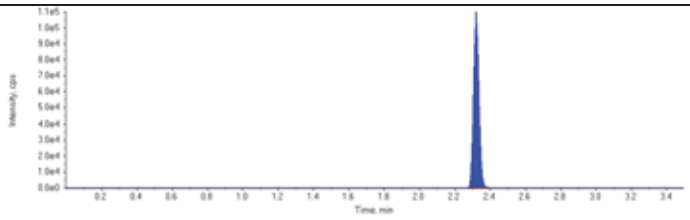
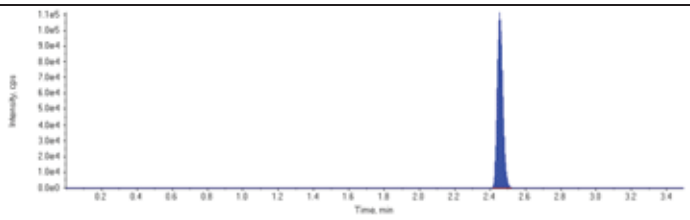


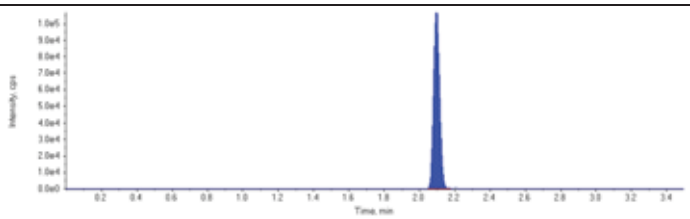
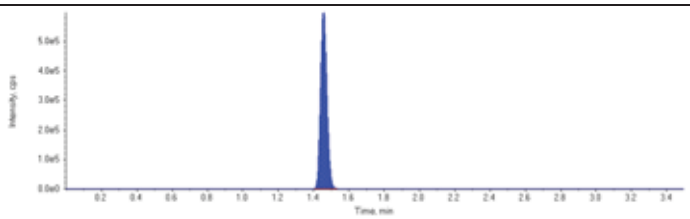
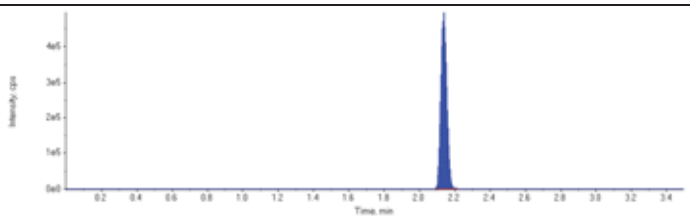
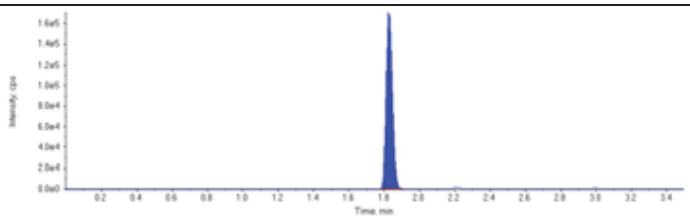
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.38 µg/L Area Ratio: 0.872 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 12.1 µg/L Area Ratio: 2.04 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 24.2 µg/L Area Ratio: 7.21 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 2.35 µg/L Area Ratio: 0.406 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 7.30 µg/L Area Ratio: 1.14 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 43.4 µg/L Area Ratio: 8.05 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.163 µg/L Area Ratio: 0.0423 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 45.8 µg/L Area Ratio: 5.08 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 7.76 µg/L Area Ratio: 1.49 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 83.0 µg/L Area Ratio: 0.292 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 93.0 µg/L Area Ratio: 0.104 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 77.4 µg/L Area Ratio: 0.296 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 83.5 µg/L Area Ratio: 0.251 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 86.7 µg/L Area Ratio: 0.122 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 80.3 µg/L Area Ratio: 0.248 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 98.0 µg/L Area Ratio: 0.317 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 89.7 µg/L Area Ratio: 0.210 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 95.3 µg/L Area Ratio: 0.205 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.45 (2.46) min Calculated Conc: 90.1 µg/L Area Ratio: 0.202 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 84.4 µg/L Area Ratio: 0.168 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 278. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 232. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 93.4 µg/L Area Ratio: 0.276 Sample Type: (Unknown)	

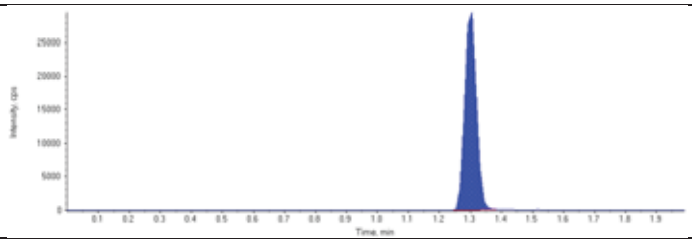
Sample ID	4872075~DXR292-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	47
Acquisition Date	2017/03/03 6:17:27 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	77800.	1.30	1.00	-
D5-EtFOSAA IS	74100.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	878000	0.969	N/A	227.	N/A

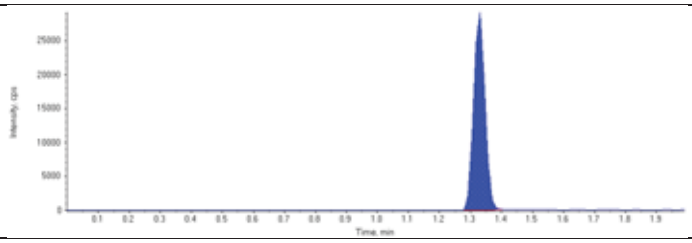
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

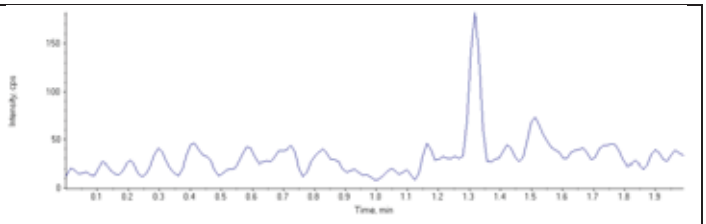
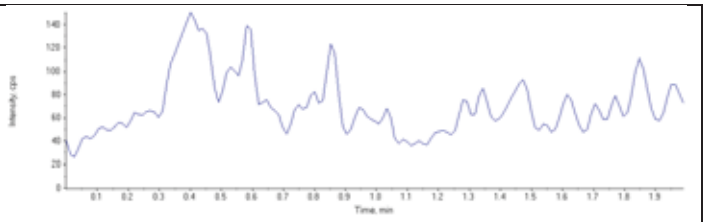
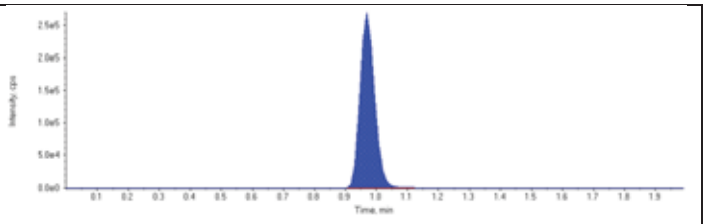
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

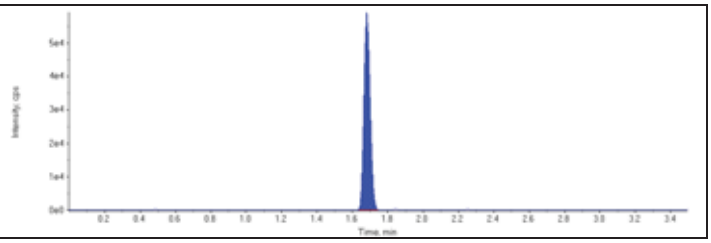
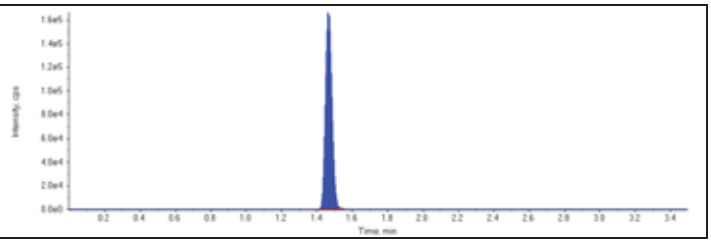
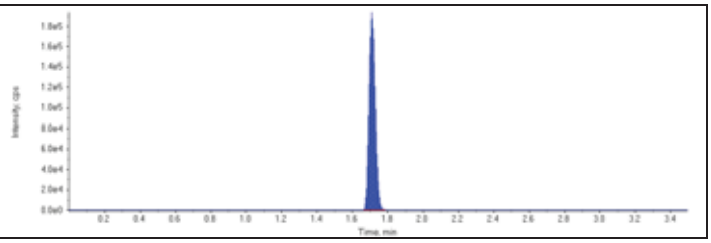
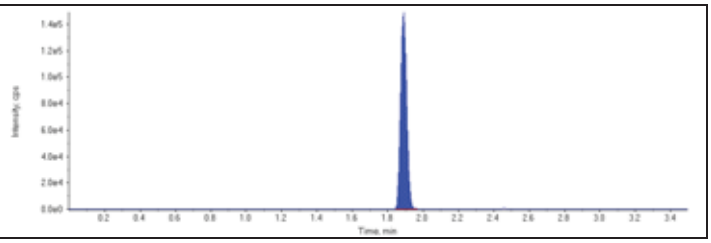
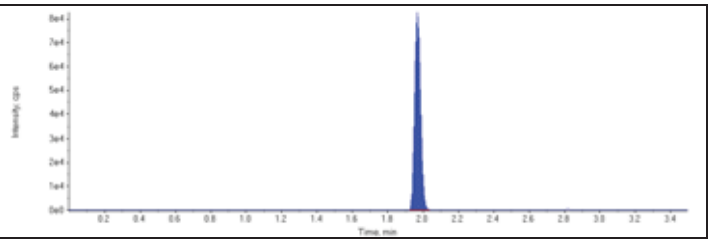
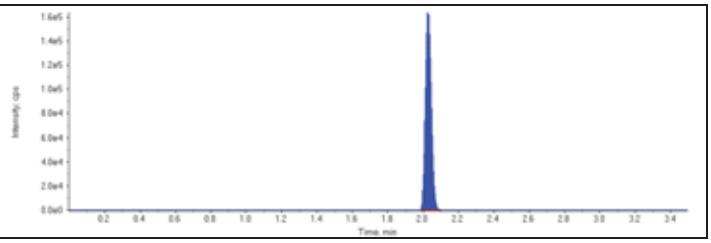
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.969 (0.855) min Calculated Conc: 227. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR292-01:D1:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	17
Acquisition Date	2017/03/09 9:06:19 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Not reported		

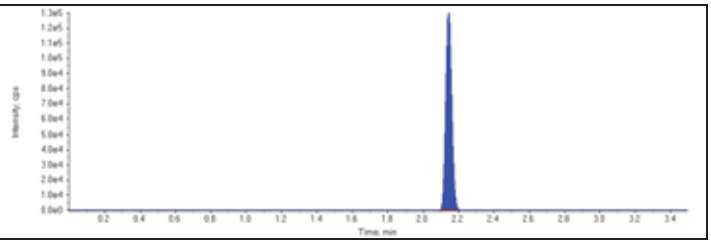
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	143000.	1.68	1.00	-
MPFHxA	430000.	1.46	1.00	-
MPFHpA	461000.	1.71	1.00	-
MPFOA	352000.	1.89	1.00	-
MPFOS	187000.	1.97	1.00	-
MPFNA	385000.	2.03	1.00	-
MPFDA	309000.	2.14	1.00	-
MPFUnA	232000.	2.24	1.00	-
MPFDoA	168000.	2.32	1.00	-
MPFTeDA	182000.	2.46	1.00	-
M2 6:2 FTS	401000.	1.83	1.00	-
M2 8:2 FTS	263000.	2.10	1.00	-
13C6-PFHxA IS	1460000.	1.46	0.417	-
13C9-PFDA IS	1250000.	2.14	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	130000	1.15	N/A	2.46	N/A
PFHxA 1	860000	1.47	N/A	11.9	N/A
PFHxS 1	1170000	1.68	N/A	27.4	N/A
PFHpA 1	173000	1.71	N/A	2.13	N/A
PFOA 1	433000	1.89	N/A	7.88	N/A
PFOS 1	1530000	1.97	N/A	44.2	N/A
PFNA 1	14000	2.03	N/A	0.123	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	2110000	1.83	N/A	47.5	N/A
8:2-FTS 1	406000	2.10	N/A	8.04	N/A
13C2-PFHxA	430000	1.46	N/A	83.9	N/A
18O2-PFHxS	143000	1.68	N/A	87.8	N/A
13C4-PFHpA	461000	1.71	N/A	82.7	N/A
13C4-PFOA	352000	1.89	N/A	80.3	N/A
13C4-PFOS	187000	1.97	N/A	91.5	N/A
13C5-PFNA	385000	2.03	N/A	85.6	N/A
13C2-PFDA	309000	2.14	N/A	76.6	N/A
13C2-PFUnA	232000	2.24	N/A	79.5	N/A
13C2-PFDoA	168000	2.32	N/A	62.5	N/A
13C2-PFTeDA	182000	2.46	N/A	65.2	N/A
13C2-8:2 FTS	263000	2.10	N/A	90.7	N/A
13C6-PFHxA	1460000	1.46	N/A	261.	N/A
13C9-PFDA	1250000	2.14	N/A	252.	N/A
13C2-6:2-FTS	401000	1.83	N/A	93.3	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

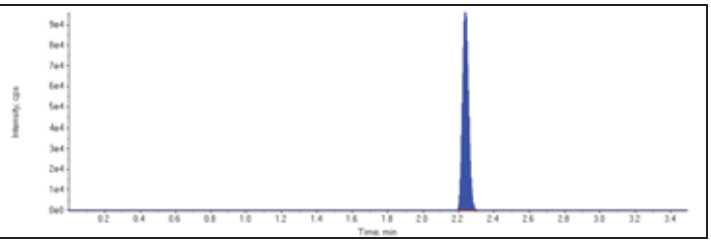
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



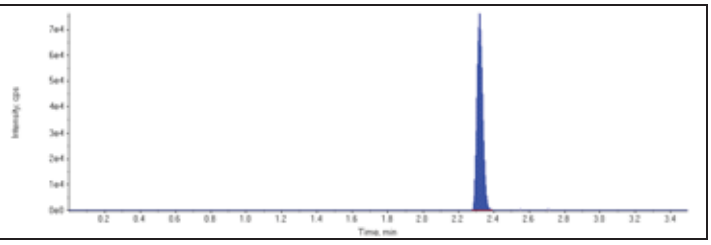
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



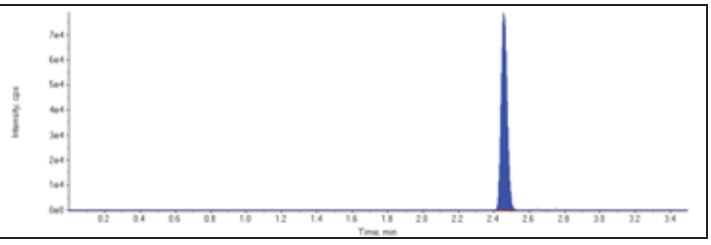
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



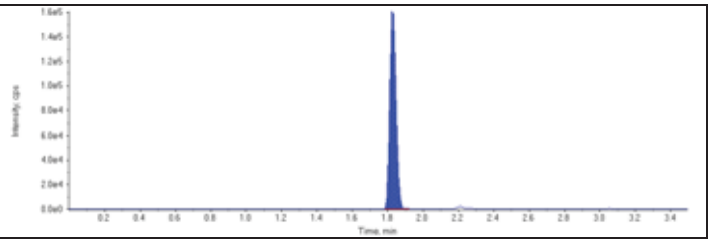
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



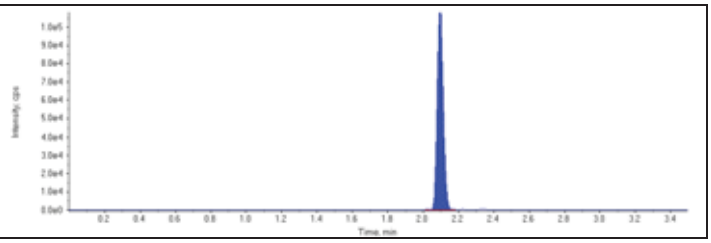
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



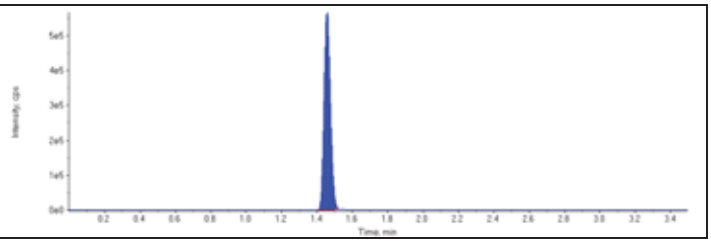
M2 8:2 FTS (Internal Standard)

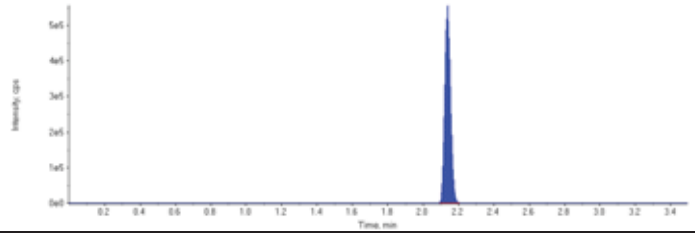
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

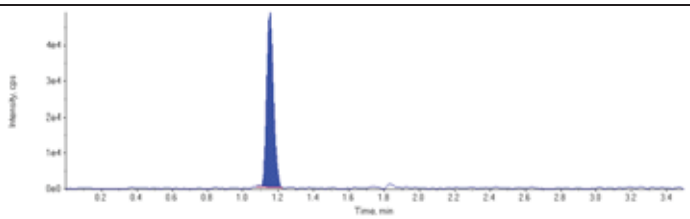
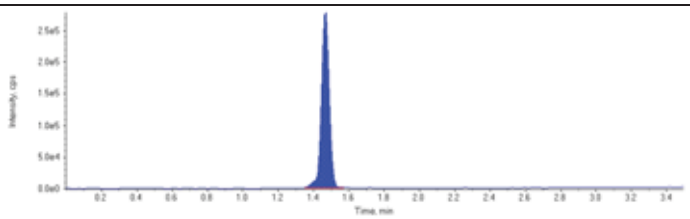
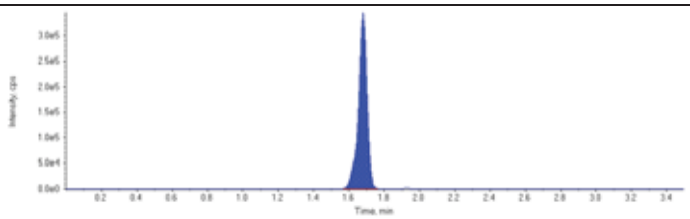
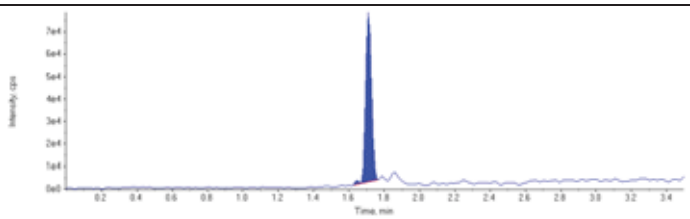
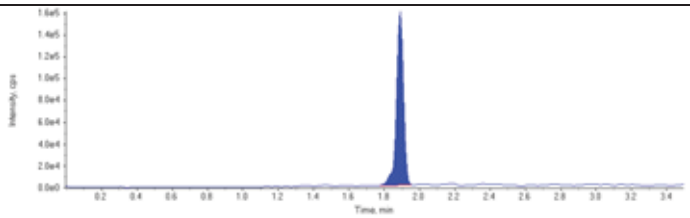
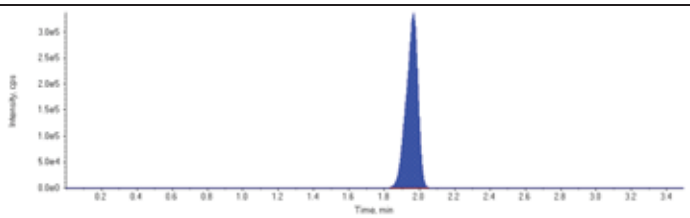


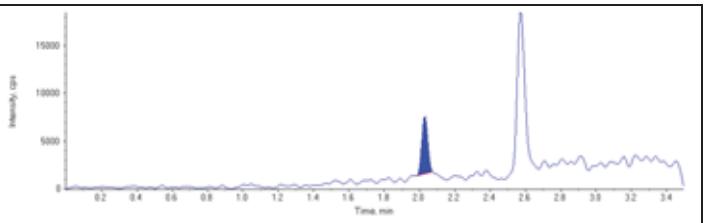
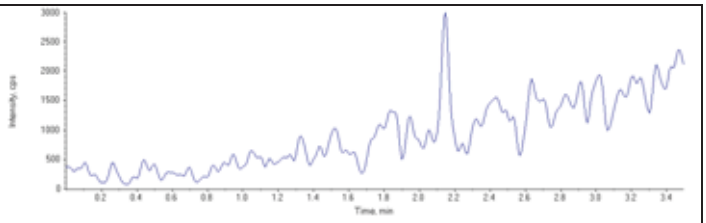
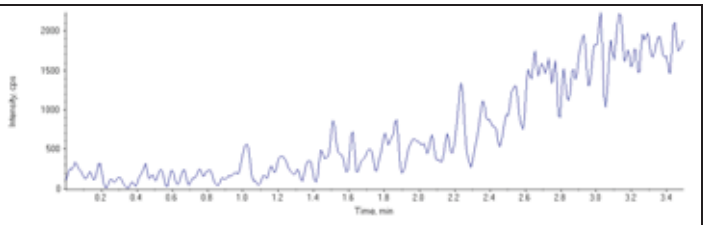
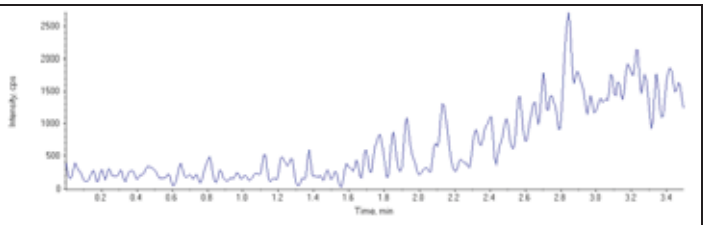
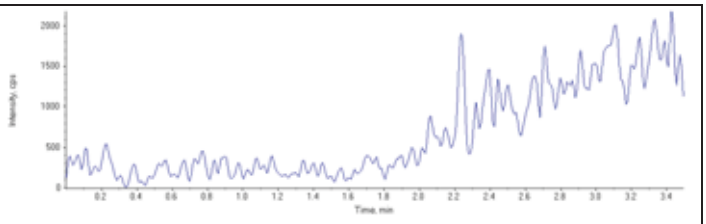
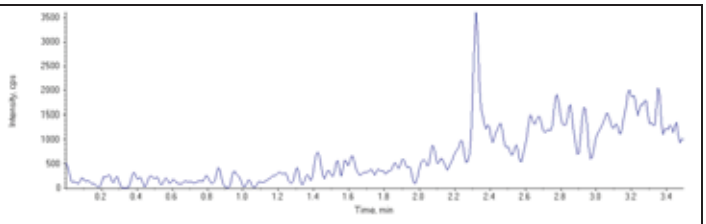
13C6-PFHxA IS (Internal Standard)

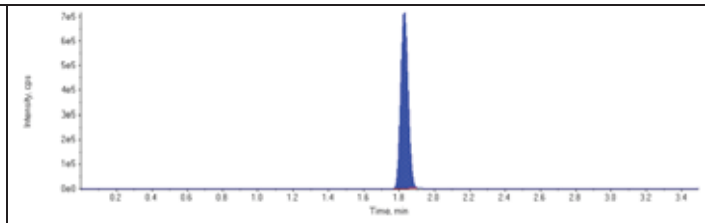
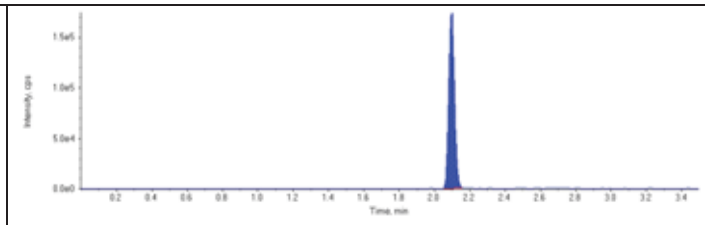
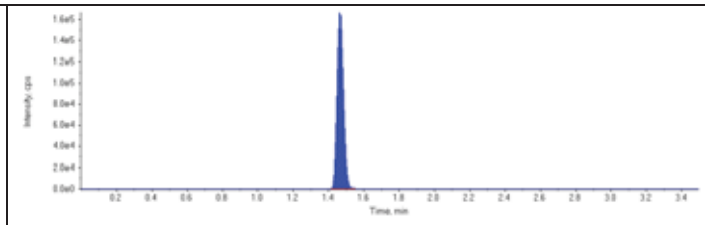
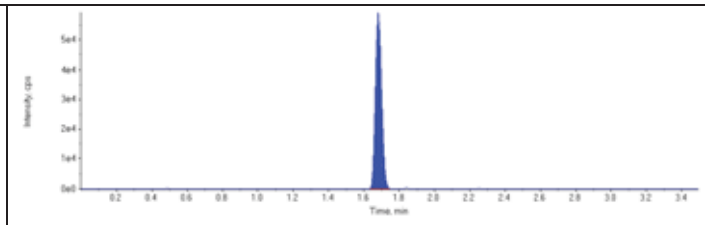
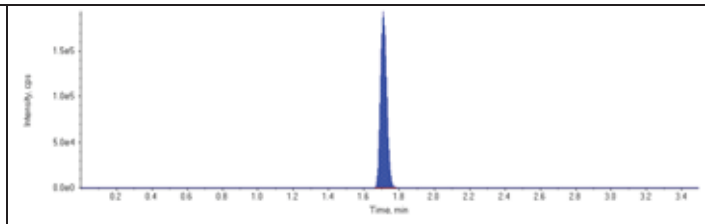
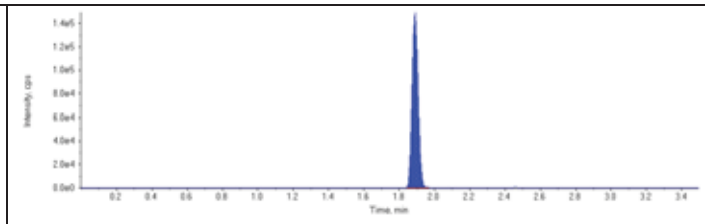
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

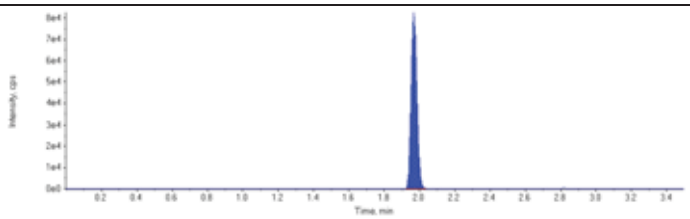
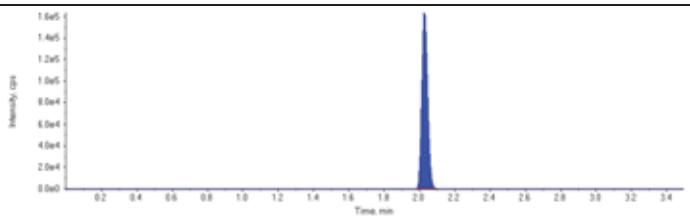
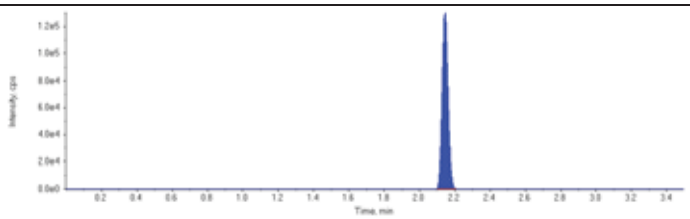
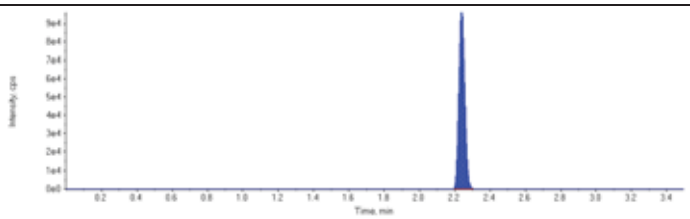
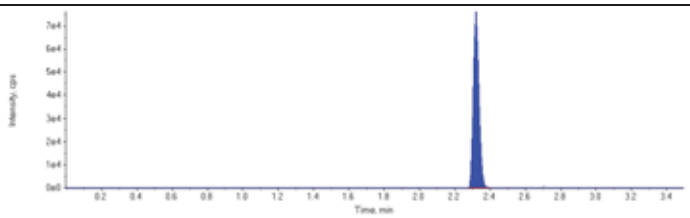
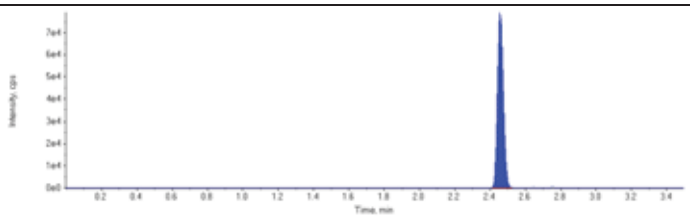


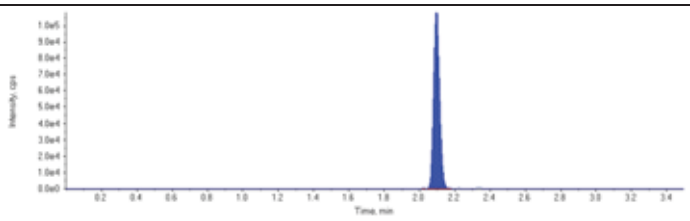
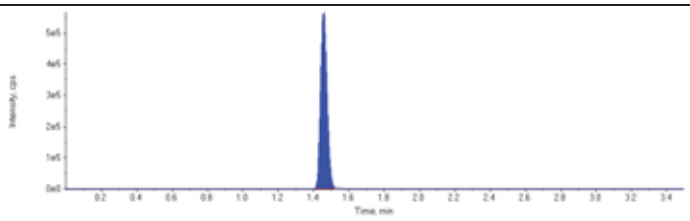
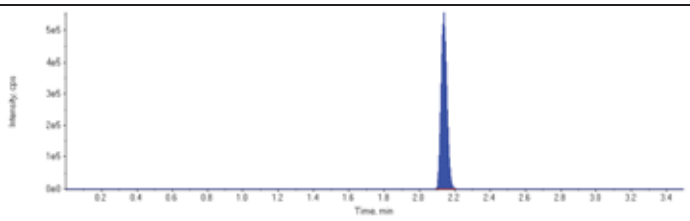
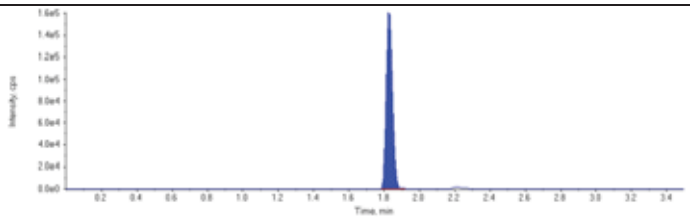
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.46 µg/L Area Ratio: 0.907 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 11.9 µg/L Area Ratio: 2.00 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 27.4 µg/L Area Ratio: 8.16 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 2.13 µg/L Area Ratio: 0.375 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 7.88 µg/L Area Ratio: 1.23 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 44.2 µg/L Area Ratio: 8.20 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.123 µg/L Area Ratio: 0.0365 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 47.5 µg/L Area Ratio: 5.27 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 8.04 µg/L Area Ratio: 1.54 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 83.9 µg/L Area Ratio: 0.295 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 87.8 µg/L Area Ratio: 0.0982 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 82.7 µg/L Area Ratio: 0.316 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 80.3 µg/L Area Ratio: 0.242 Sample Type: (Unknown)	

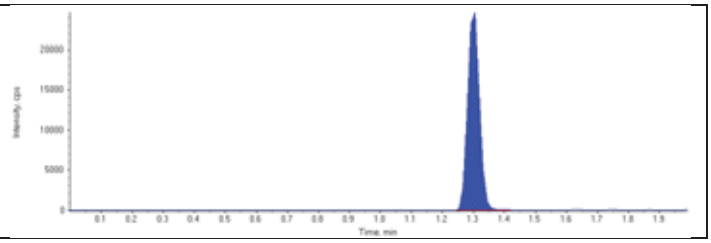
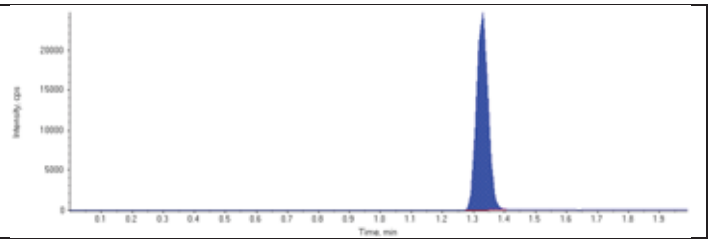
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 91.5 µg/L Area Ratio: 0.128 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 85.6 µg/L Area Ratio: 0.264 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 76.6 µg/L Area Ratio: 0.248 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 79.5 µg/L Area Ratio: 0.186 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 62.5 µg/L Area Ratio: 0.135 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 65.2 µg/L Area Ratio: 0.146 Sample Type: (Unknown)	

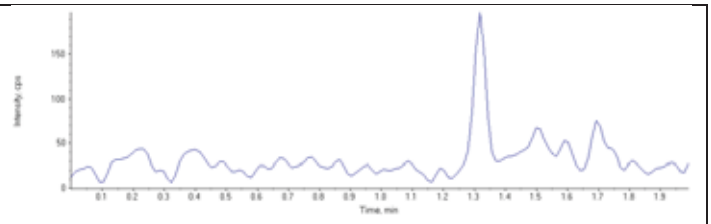
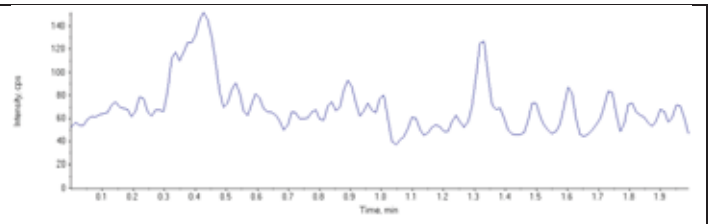
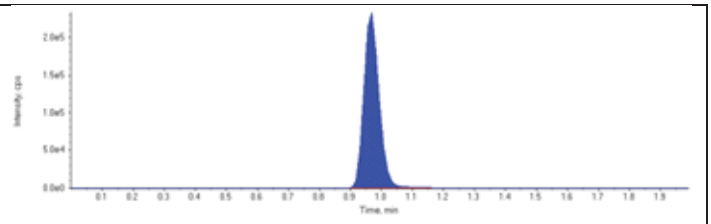
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 90.7 µg/L Area Ratio: 0.181 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 261. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 252. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 93.3 µg/L Area Ratio: 0.275 Sample Type: (Unknown)	

Sample ID	4872075~DXR292-01:D1:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	48
Acquisition Date	2017/03/03 6:20:01 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	65400.	1.30	1.00	-
D5-EtFOSAA IS	63100.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	795000	0.966	N/A	205.	N/A

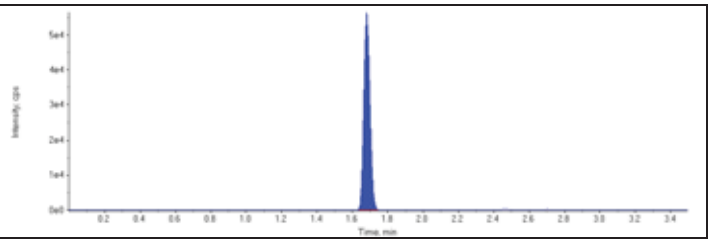
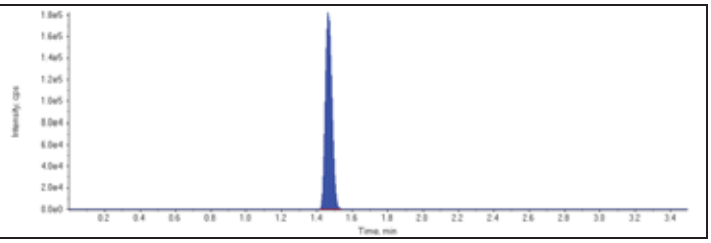
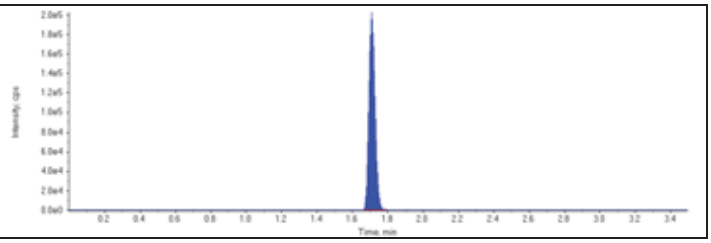
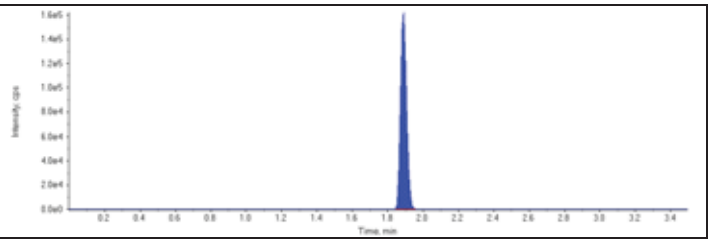
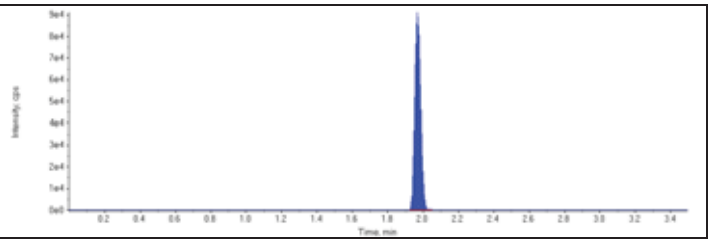
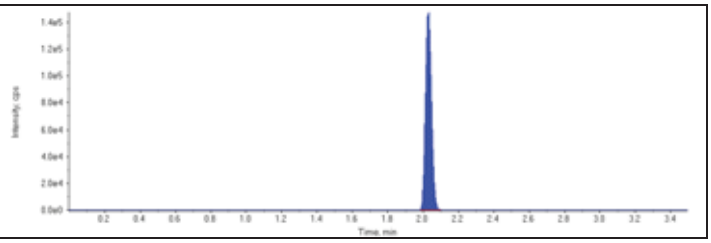
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.966 (0.855) min Calculated Conc: 205. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR293-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	18
Acquisition Date	2017/03/09 9:11:23 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Not reported		

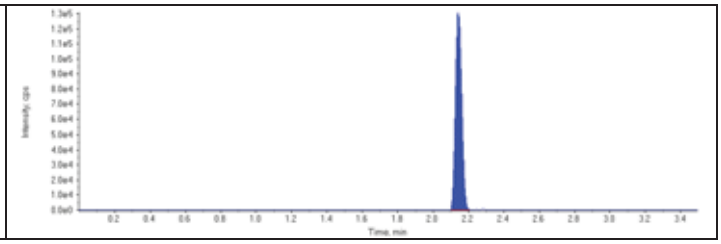
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	135000.	1.68	1.00	-
MPFHxA	471000.	1.46	1.00	-
MPFHpA	471000.	1.71	1.00	-
MPFOA	385000.	1.89	1.00	-
MPFOS	207000.	1.97	1.00	-
MPFNA	352000.	2.03	1.00	-
MPFDA	325000.	2.14	1.00	-
MPFUnA	240000.	2.24	1.00	-
MPFDoA	192000.	2.32	1.00	-
MPFTeDA	216000.	2.46	1.00	-
M2 6:2 FTS	424000.	1.83	1.00	-
M2 8:2 FTS	271000.	2.09	1.00	-
13C6-PFHxA IS	1300000.	1.46	0.417	-
13C9-PFDA IS	1390000.	2.14	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	107000	1.15	N/A	2.18	N/A
PFHxA 1	468000	1.46	N/A	5.93	N/A
PFHxS 1	525000	1.68	N/A	13.1	N/A
PFHpA 1	52900	1.71	N/A	0.250	N/A
PFOA 1	68100	1.89	N/A	0.876	N/A
PFOS 1	403000	1.96	N/A	10.6	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	1600000	1.83	N/A	33.8	N/A
8:2-FTS 1	5860	2.10	N/A	N/A	N/A
13C2-PFHxA	471000	1.46	N/A	103.	N/A
18O2-PFHxS	135000	1.68	N/A	92.6	N/A
13C4-PFHpA	471000	1.71	N/A	94.5	N/A
13C4-PFOA	385000	1.89	N/A	98.2	N/A
13C4-PFOS	207000	1.97	N/A	113.	N/A
13C5-PFNA	352000	2.03	N/A	87.5	N/A
13C2-PFDA	325000	2.14	N/A	72.3	N/A
13C2-PFUnA	240000	2.24	N/A	73.8	N/A
13C2-PFDoA	192000	2.32	N/A	64.1	N/A
13C2-PFTeDA	216000	2.46	N/A	69.3	N/A
13C2-8:2 FTS	271000	2.09	N/A	104.	N/A
13C6-PFHxA	1300000	1.46	N/A	234.	N/A
13C9-PFDA	1390000	2.14	N/A	281.	N/A
13C2-6:2-FTS	424000	1.83	N/A	110.	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

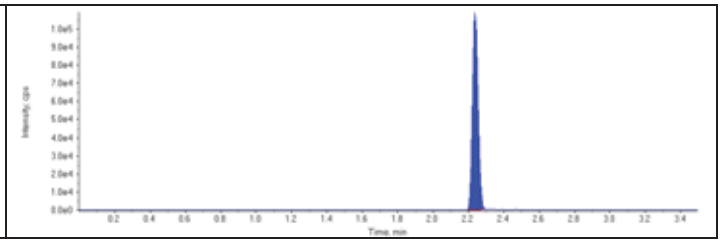
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



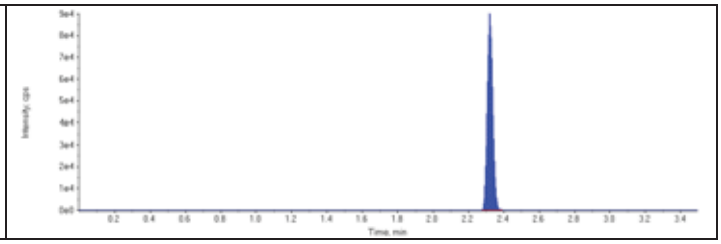
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



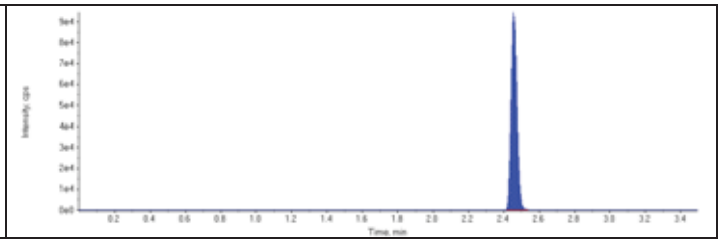
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



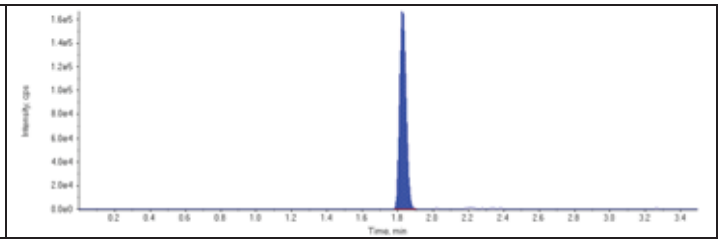
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



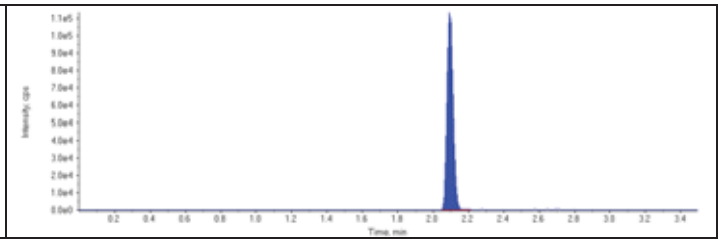
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



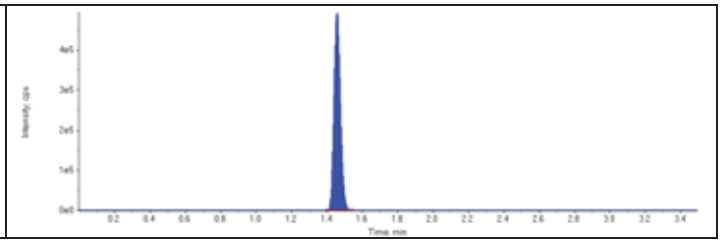
M2 8:2 FTS (Internal Standard)

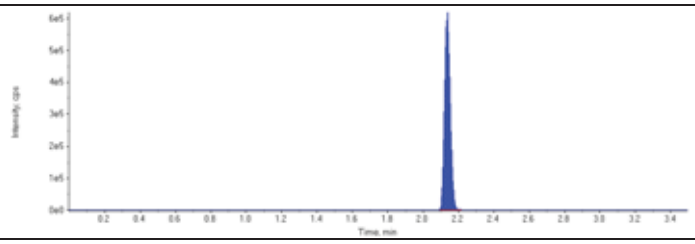
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

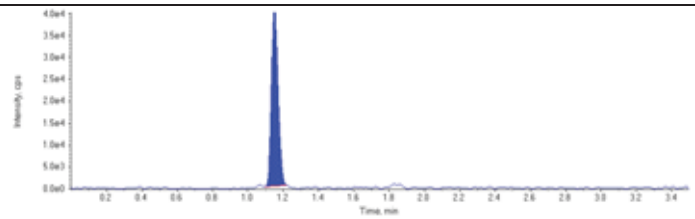
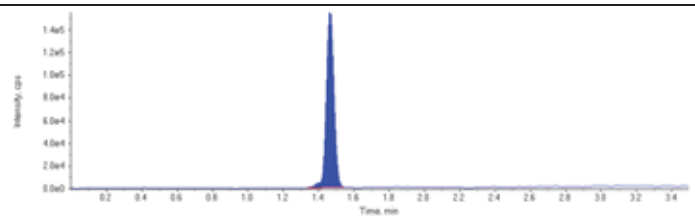
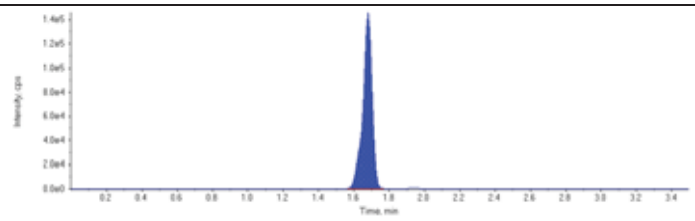
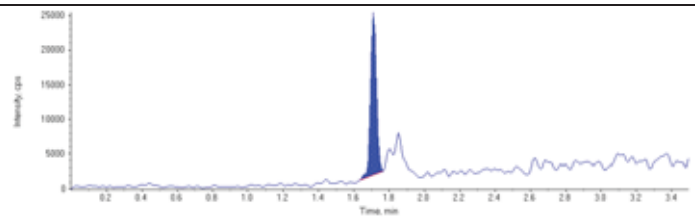
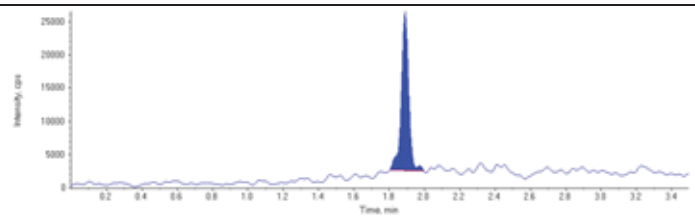
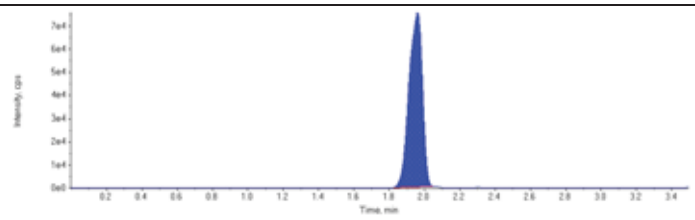


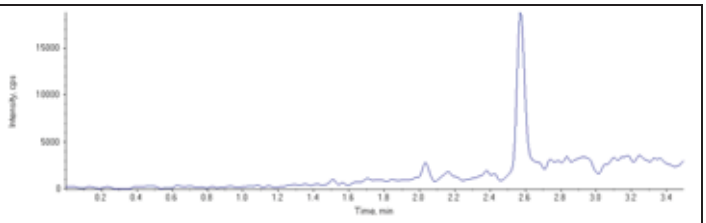
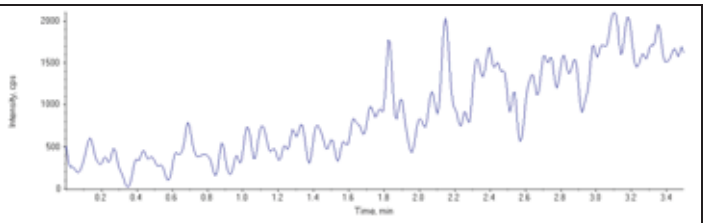
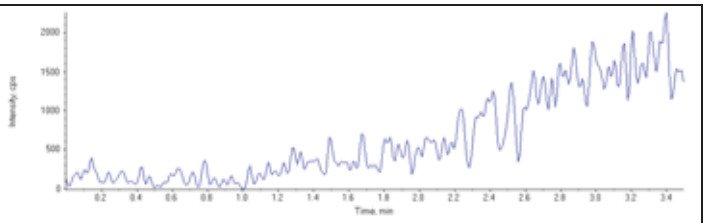
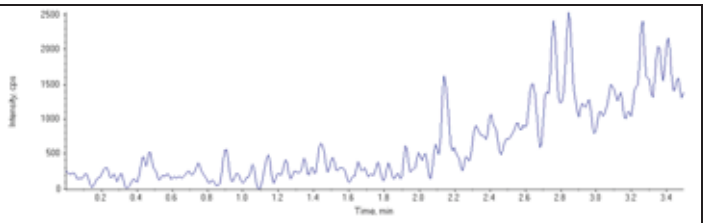
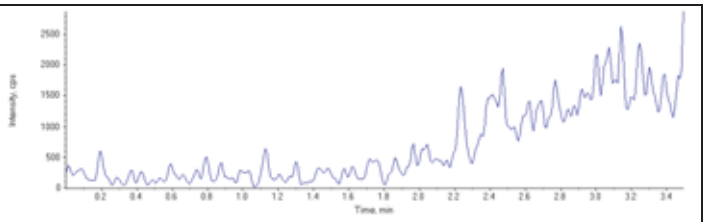
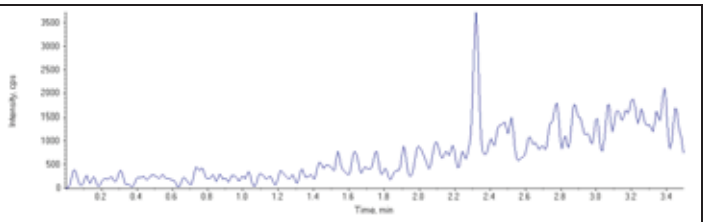
13C6-PFHxA IS (Internal Standard)

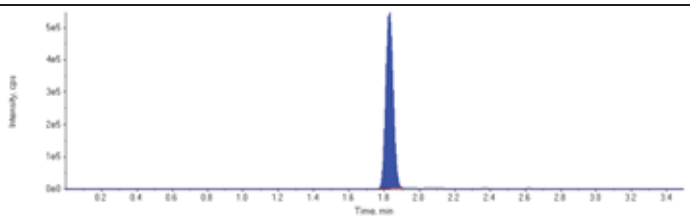
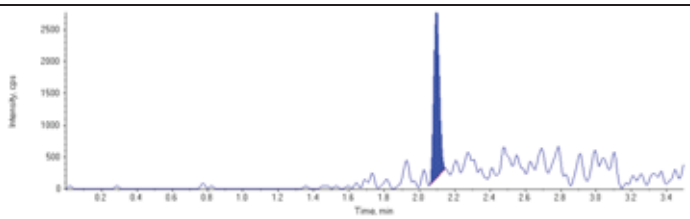
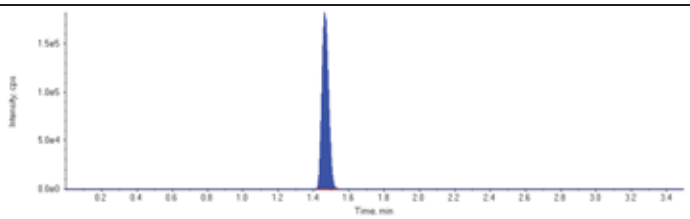
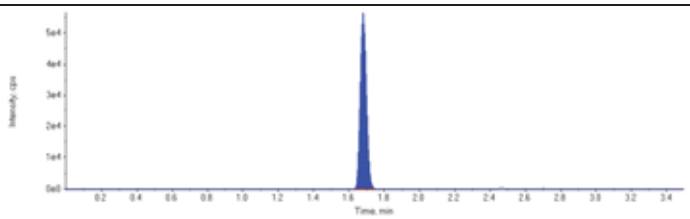
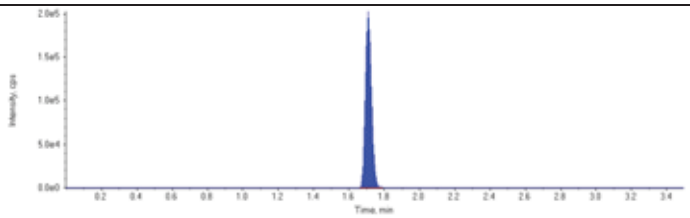
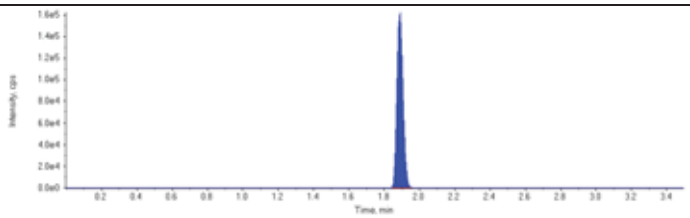
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

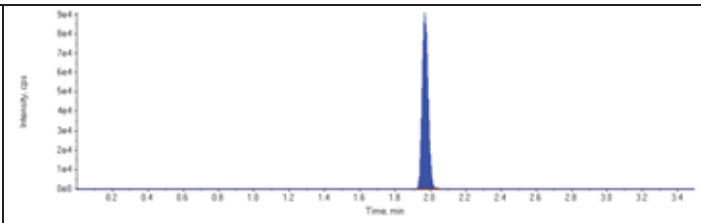
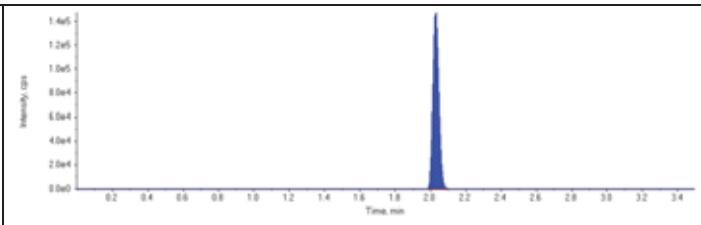
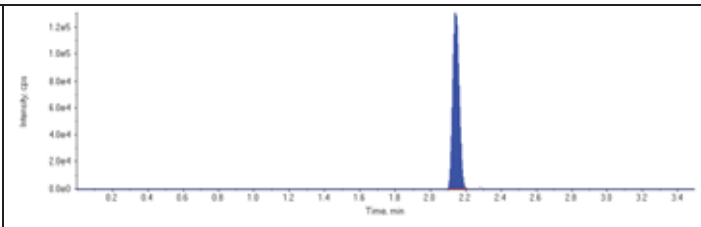
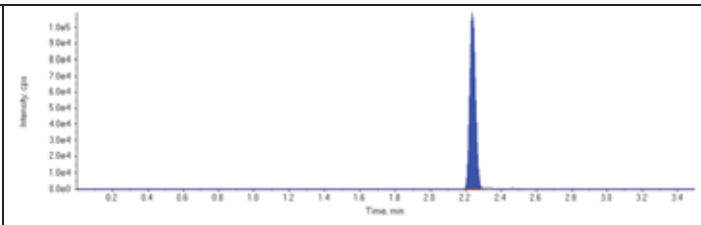
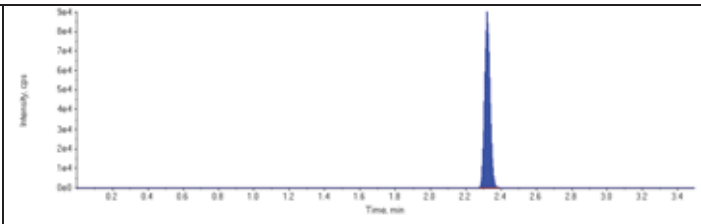
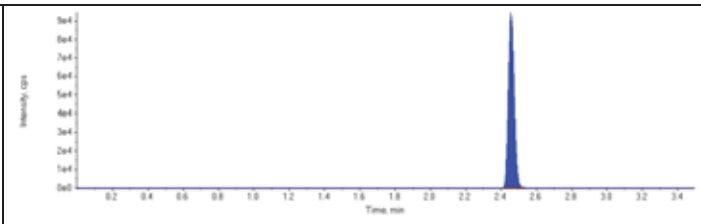


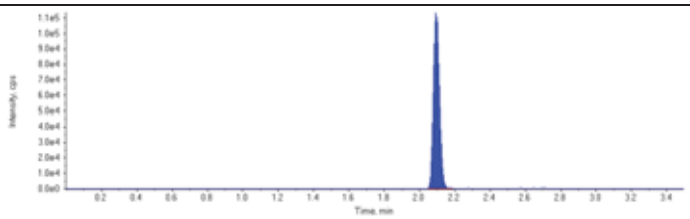
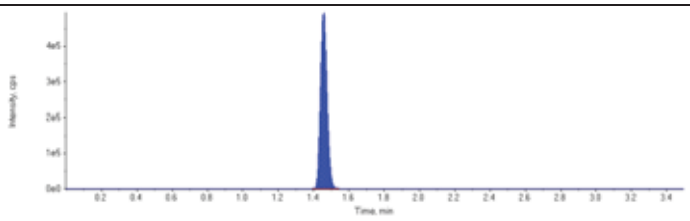
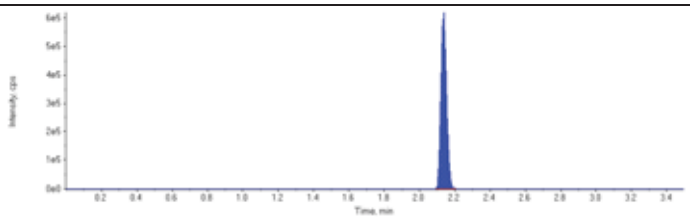
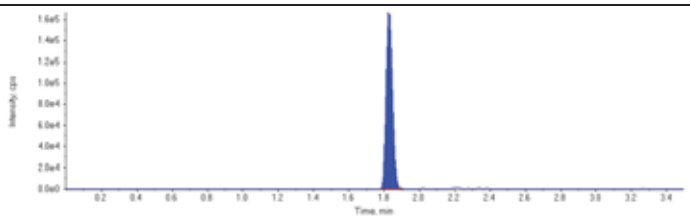
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.18 µg/L Area Ratio: 0.793 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 5.93 µg/L Area Ratio: 0.994 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 13.1 µg/L Area Ratio: 3.89 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 0.250 µg/L Area Ratio: 0.112 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 0.876 µg/L Area Ratio: 0.177 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 10.6 µg/L Area Ratio: 1.95 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.02) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 33.8 µg/L Area Ratio: 3.76 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: N/A µg/L Area Ratio: 0.0216 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 103. µg/L Area Ratio: 0.361 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 92.6 µg/L Area Ratio: 0.104 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 94.5 µg/L Area Ratio: 0.362 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 98.2 µg/L Area Ratio: 0.295 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 113. µg/L Area Ratio: 0.159 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 87.5 µg/L Area Ratio: 0.270 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 72.3 µg/L Area Ratio: 0.234 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 73.8 µg/L Area Ratio: 0.172 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 64.1 µg/L Area Ratio: 0.138 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 69.3 µg/L Area Ratio: 0.155 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 104. µg/L Area Ratio: 0.208 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 234. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 281. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 110. µg/L Area Ratio: 0.325 Sample Type: (Unknown)	

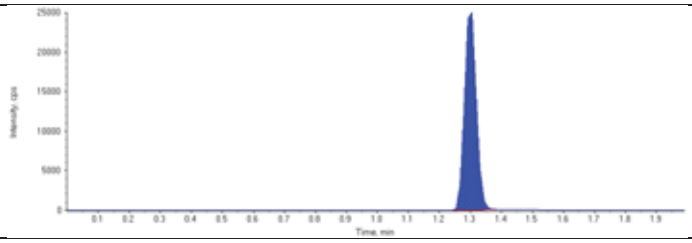
Sample ID	4872075~DXR293-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	49
Acquisition Date	2017/03/03 6:22:35 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	67500.	1.30	1.00	-
D5-EtFOSAA IS	64400.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	910000	0.967	N/A	235.	N/A

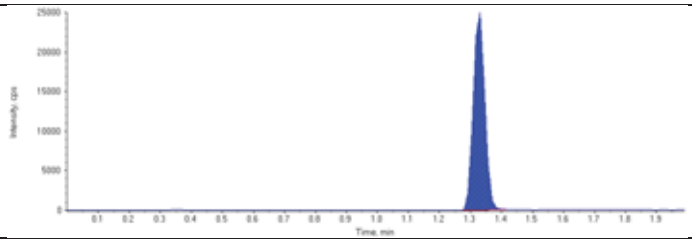
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

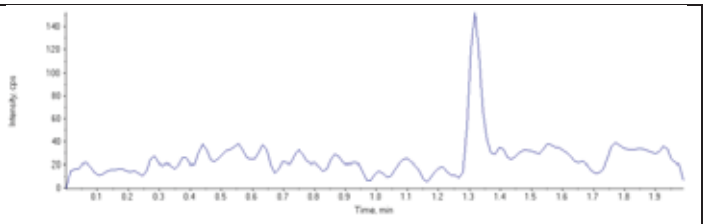
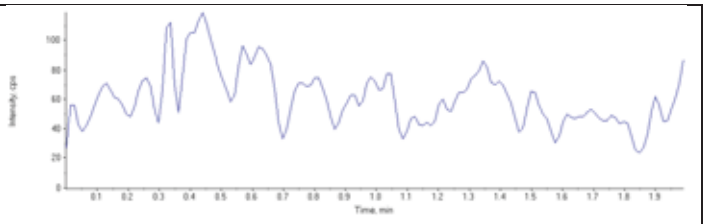
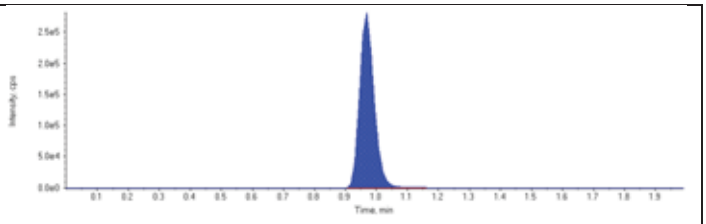
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

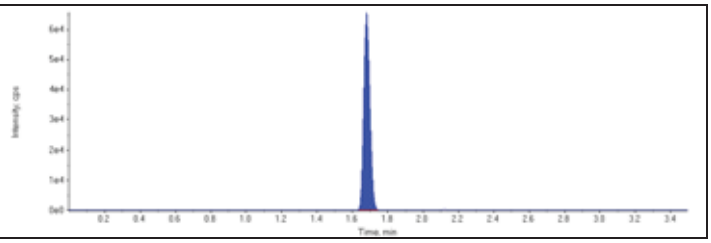
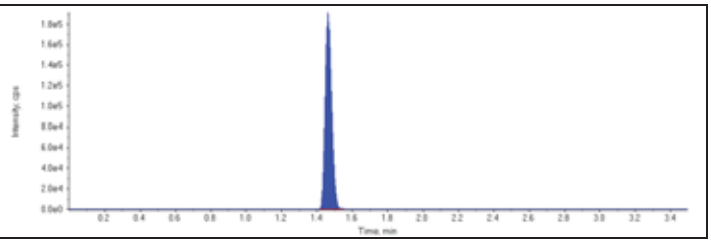
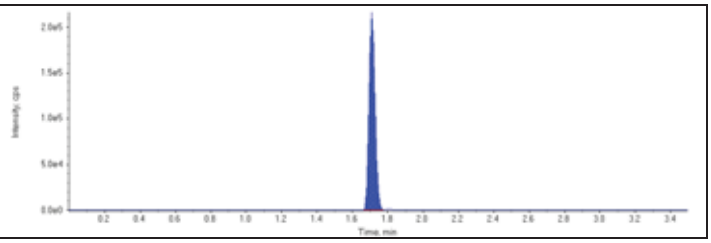
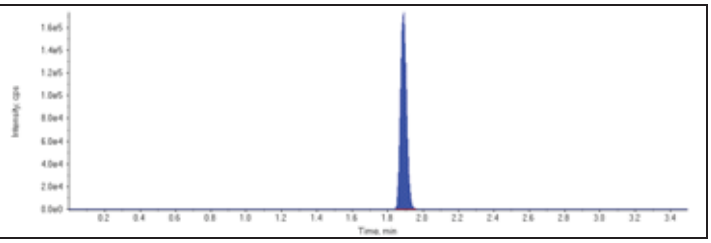
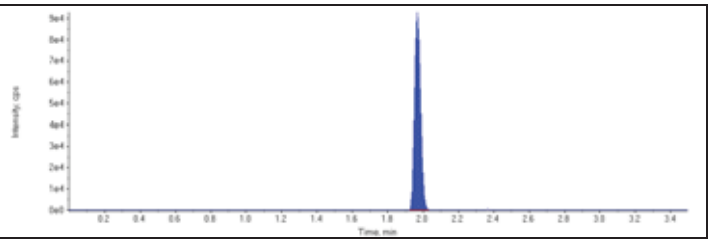
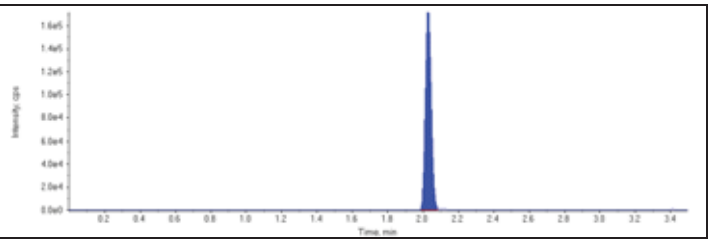
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.967 (0.855) min Calculated Conc: 235. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR294-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	19
Acquisition Date	2017/03/09 9:16:26 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Not reported		

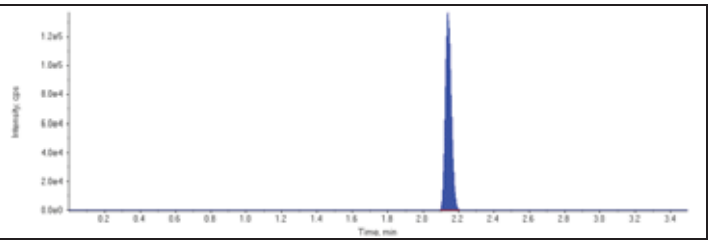
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	156000.	1.68	1.00	-
MPFHxA	481000.	1.46	1.00	-
MPFHpA	501000.	1.71	1.00	-
MPFOA	401000.	1.89	1.00	-
MPFOS	213000.	1.97	1.00	-
MPFNA	401000.	2.03	1.00	-
MPFDA	312000.	2.14	1.00	-
MPFUnA	250000.	2.24	1.00	-
MPFDoA	225000.	2.32	1.00	-
MPFTeDA	226000.	2.46	1.00	-
M2 6:2 FTS	485000.	1.83	1.00	-
M2 8:2 FTS	283000.	2.10	1.00	-
13C6-PFHxA IS	1680000.	1.46	0.417	-
13C9-PFDA IS	1520000.	2.14	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	181000	1.15	N/A	3.11	N/A
PFHxA 1	962000	1.46	N/A	11.9	N/A
PFHxS 1	1380000	1.68	N/A	29.7	N/A
PFHpA 1	143000	1.71	N/A	1.49	N/A
PFOA 1	596000	1.89	N/A	9.58	N/A
PFOS 1	875000	1.96	N/A	22.1	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	1990000	1.83	N/A	36.8	N/A
8:2-FTS 1	75300	2.09	N/A	0.946	N/A
13C2-PFHxA	481000	1.46	N/A	81.3	N/A
18O2-PFHxS	156000	1.68	N/A	82.9	N/A
13C4-PFHpA	501000	1.71	N/A	78.0	N/A
13C4-PFOA	401000	1.89	N/A	79.4	N/A
13C4-PFOS	213000	1.97	N/A	90.6	N/A
13C5-PFNA	401000	2.03	N/A	77.5	N/A
13C2-PFDA	312000	2.14	N/A	63.4	N/A
13C2-PFUnA	250000	2.24	N/A	70.5	N/A
13C2-PFDoA	225000	2.32	N/A	68.6	N/A
13C2-PFTeDA	226000	2.46	N/A	66.5	N/A
13C2-8:2 FTS	283000	2.10	N/A	84.4	N/A
13C6-PFHxA	1680000	1.46	N/A	301.	N/A
13C9-PFDA	1520000	2.14	N/A	307.	N/A
13C2-6:2-FTS	485000	1.83	N/A	97.8	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

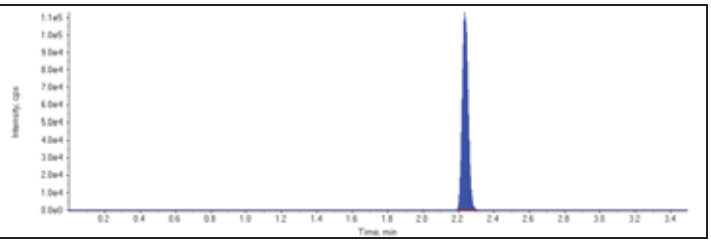
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



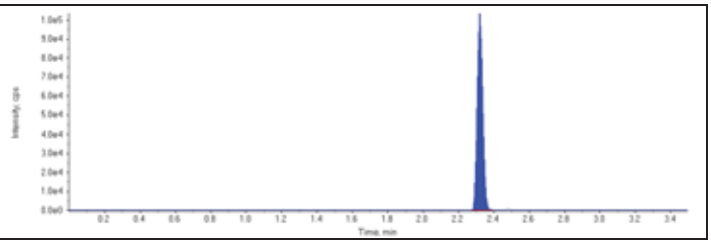
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



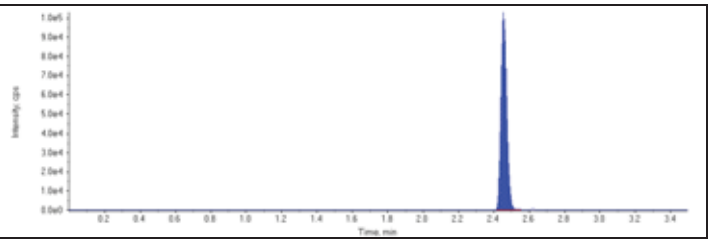
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



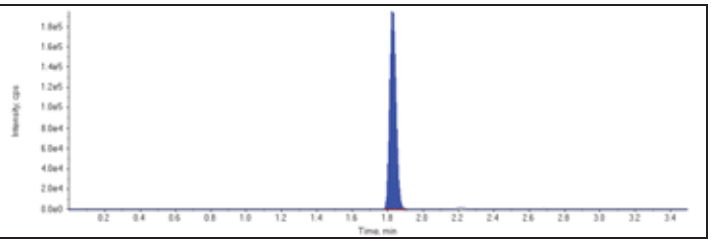
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



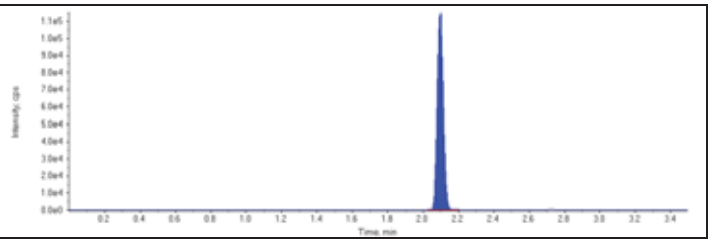
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



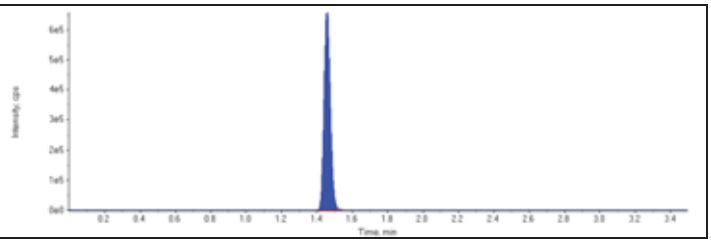
M2 8:2 FTS (Internal Standard)

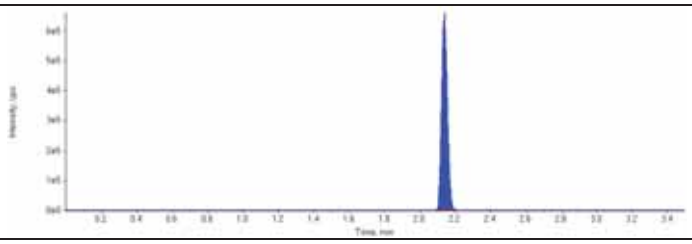
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

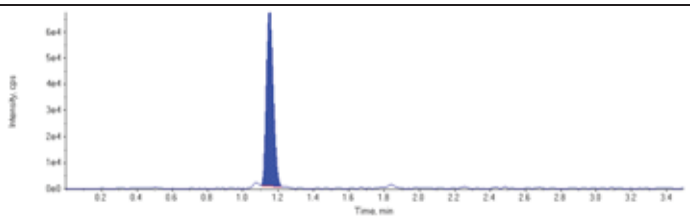
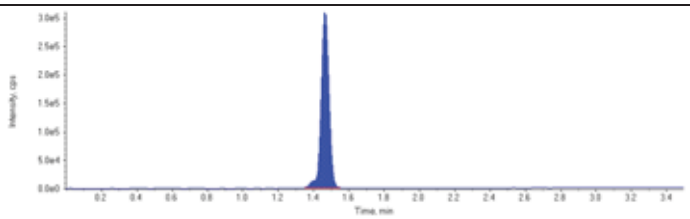
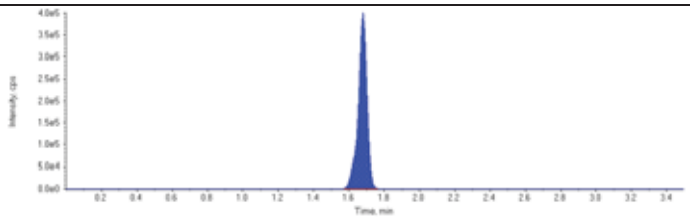
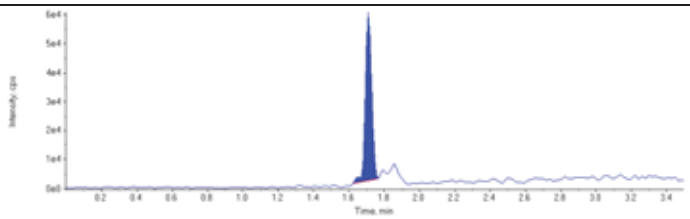
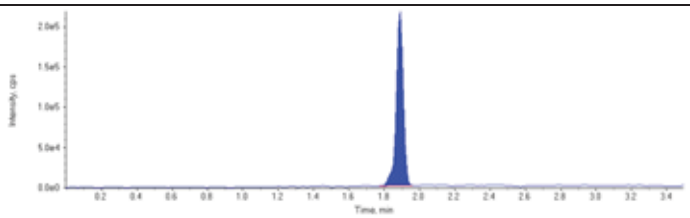
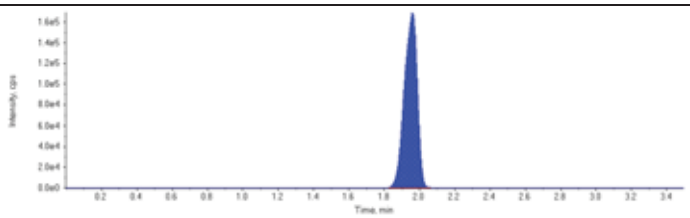


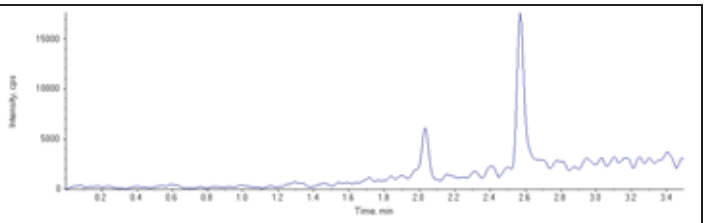
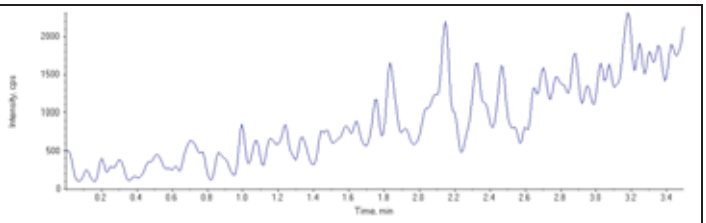
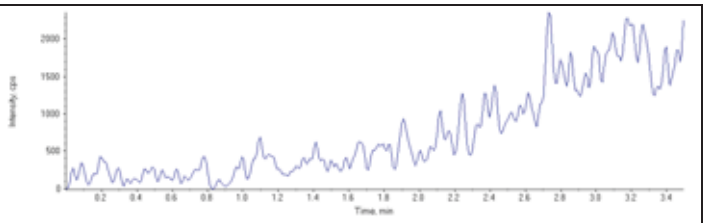
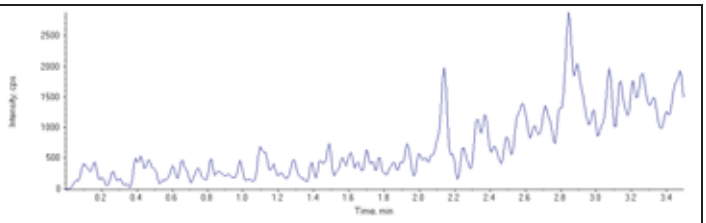
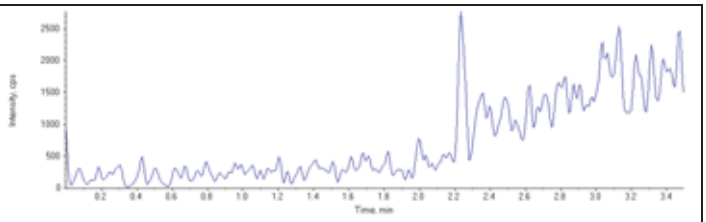
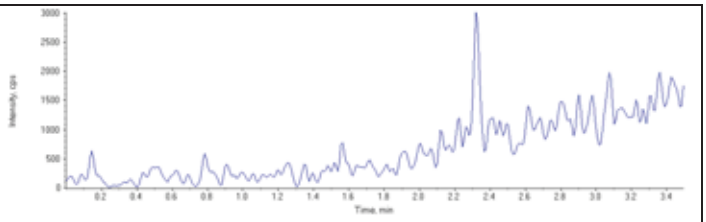
13C6-PFHxA IS (Internal Standard)

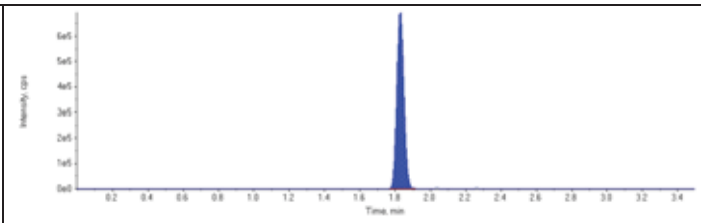
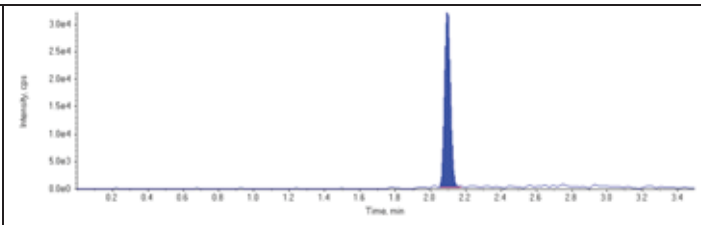
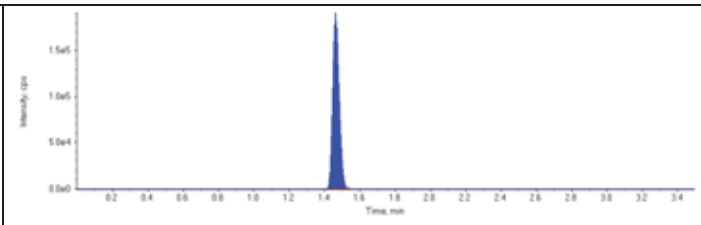
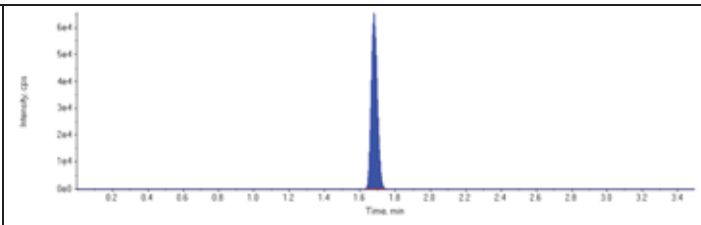
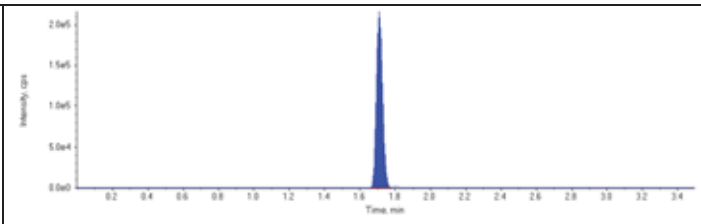
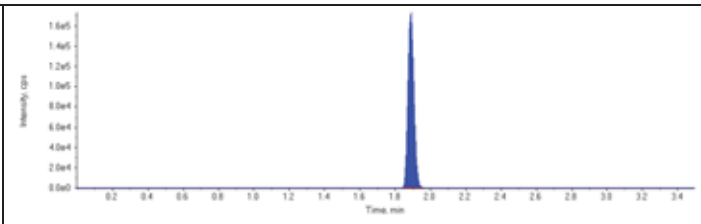
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

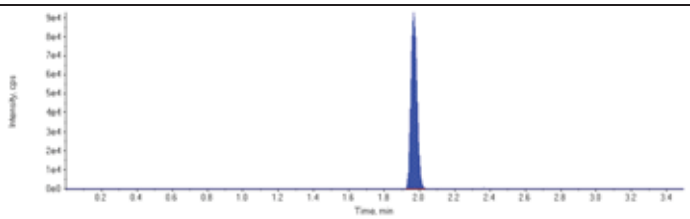
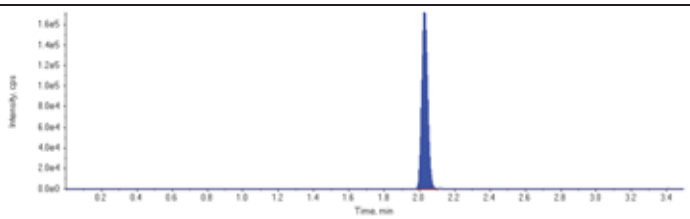
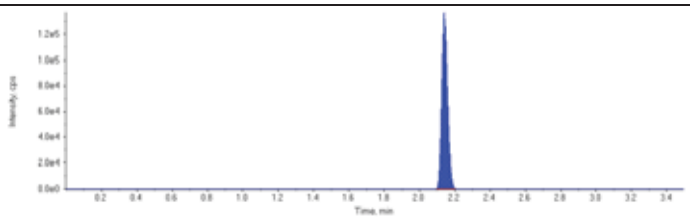
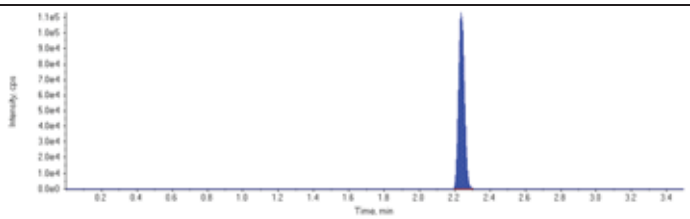
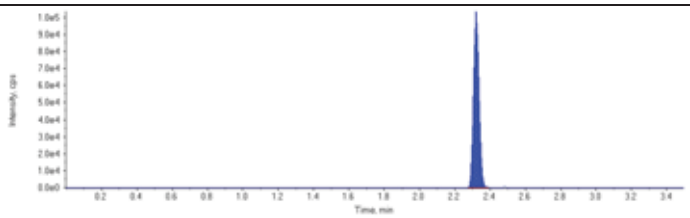
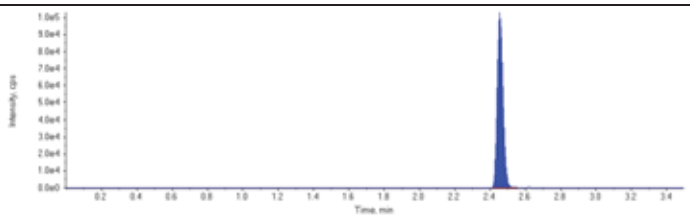


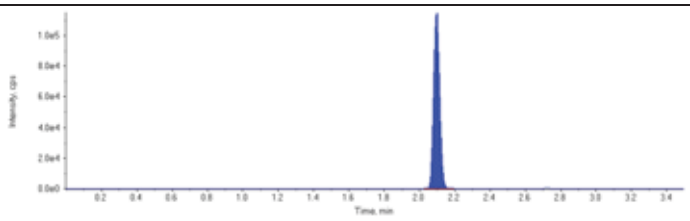
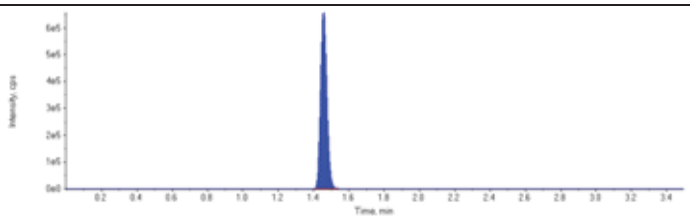
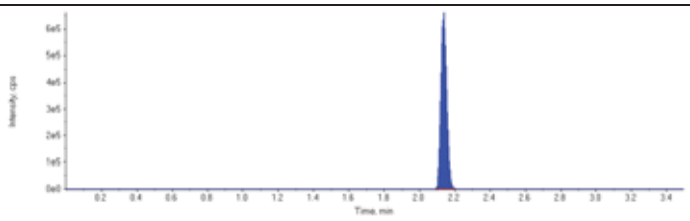
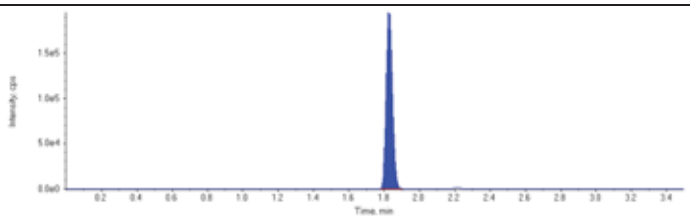
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 3.11 µg/L Area Ratio: 1.16 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 11.9 µg/L Area Ratio: 2.00 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 29.7 µg/L Area Ratio: 8.85 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 1.49 µg/L Area Ratio: 0.285 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 9.58 µg/L Area Ratio: 1.49 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 22.1 µg/L Area Ratio: 4.10 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.02) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 36.8 µg/L Area Ratio: 4.09 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 0.946 µg/L Area Ratio: 0.266 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 81.3 µg/L Area Ratio: 0.286 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 82.9 µg/L Area Ratio: 0.0927 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 78.0 µg/L Area Ratio: 0.298 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 79.4 µg/L Area Ratio: 0.239 Sample Type: (Unknown)	

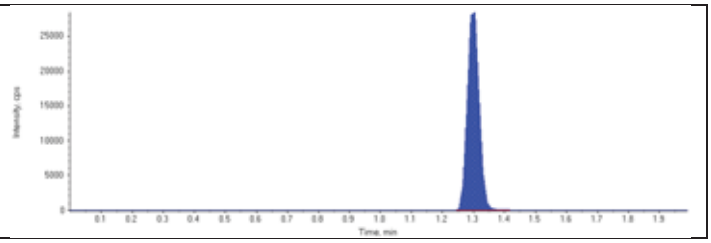
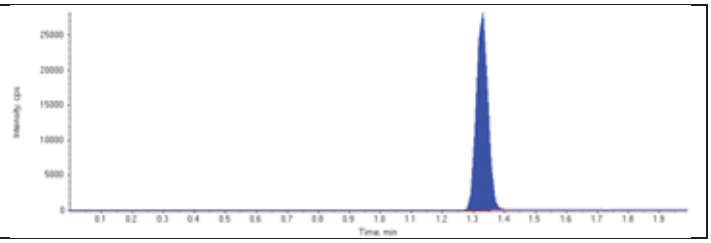
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 90.6 µg/L Area Ratio: 0.127 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 77.5 µg/L Area Ratio: 0.239 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 63.4 µg/L Area Ratio: 0.205 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 70.5 µg/L Area Ratio: 0.165 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 68.6 µg/L Area Ratio: 0.148 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 66.5 µg/L Area Ratio: 0.149 Sample Type: (Unknown)	

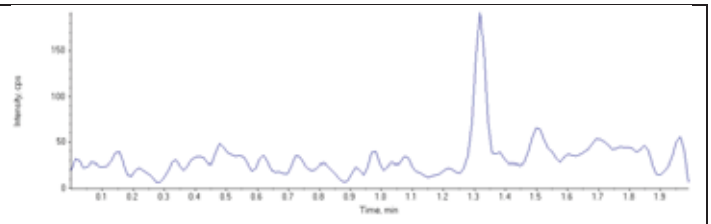
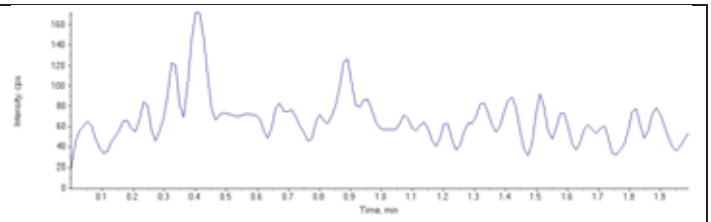
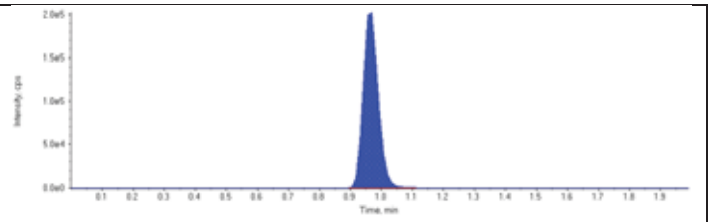
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 84.4 µg/L Area Ratio: 0.168 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 301. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 307. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 97.8 µg/L Area Ratio: 0.289 Sample Type: (Unknown)	

Sample ID	4872075~DXR294-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	50
Acquisition Date	2017/03/03 6:25:08 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	76300.	1.30	1.00	-
D5-EtFOSAA IS	72000.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	694000	0.963	N/A	179.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.963 (0.855) min Calculated Conc: 179. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

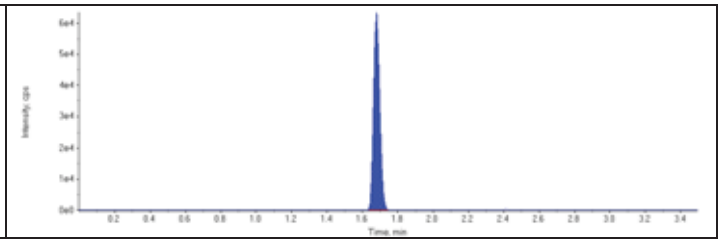
Sample ID	4872075~DXR289-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	20
Acquisition Date	2017/03/09 10:07:09 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for PFHxS, PFOS and 6:2-FTS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	154000.	1.68	1.00	-
MPFHxA	458000.	1.46	1.00	-
MPFHpA	490000.	1.71	1.00	-
MPFOA	405000.	1.89	1.00	-
MPFOS	193000.	1.97	1.00	-
MPFNA	317000.	2.03	1.00	-
MPFDA	380000.	2.14	1.00	-
MPFUnA	240000.	2.24	1.00	-
MPFDoA	181000.	2.32	1.00	-
MPFTeDA	179000.	2.45	1.00	-
M2 6:2 FTS	409000.	1.83	1.00	-
M2 8:2 FTS	272000.	2.09	1.00	-
13C6-PFHxA IS	1460000.	1.45	0.833	-
13C9-PFDA IS	986000.	2.14	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	202000	1.15	N/A	1.74	N/A
PFHxA 1	1140000	1.46	N/A	7.36	N/A
PFHxS 1	1460000	1.68	N/A	15.9	N/A
PFHpA 1	193000	1.71	N/A	1.13	N/A
PFOA 1	372000	1.89	N/A	2.91	N/A
PFOS 1	1580000	1.96	N/A	22.1	N/A
PFNA 1	16300	2.03	N/A	0.114	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	3320000	1.83	N/A	36.7	N/A
8:2-FTS 1	177000	2.09	N/A	1.54	N/A
13C2-PFHxA	458000	1.46	N/A	89.0	N/A
18O2-PFHxS	154000	1.68	N/A	94.0	N/A
13C4-PFHpA	490000	1.71	N/A	87.7	N/A
13C4-PFOA	405000	1.89	N/A	92.1	N/A
13C4-PFOS	193000	1.97	N/A	94.4	N/A
13C5-PFNA	317000	2.03	N/A	70.4	N/A
13C2-PFDA	380000	2.14	N/A	119.	N/A
13C2-PFUnA	240000	2.24	N/A	104.	N/A
13C2-PFDoA	181000	2.32	N/A	85.3	N/A
13C2-PFTeDA	179000	2.45	N/A	81.0	N/A
13C2-8:2 FTS	272000	2.09	N/A	93.4	N/A
13C6-PFHxA	1460000	1.45	N/A	131.	N/A
13C9-PFDA	986000	2.14	N/A	99.6	N/A
13C2-6:2-FTS	409000	1.83	N/A	94.9	N/A

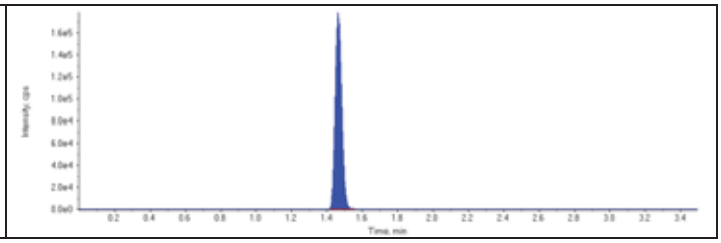
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



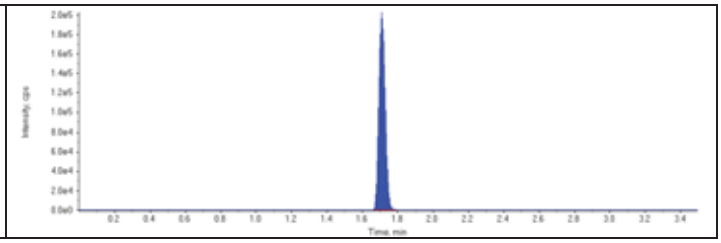
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



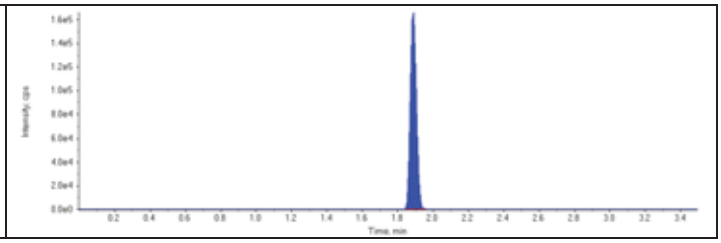
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



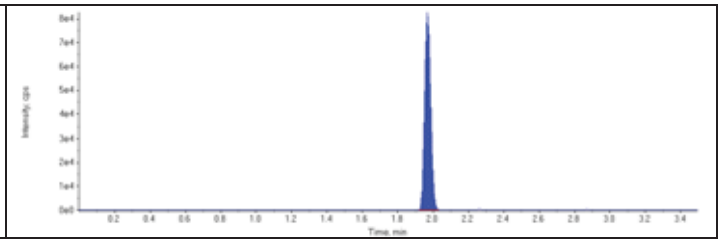
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



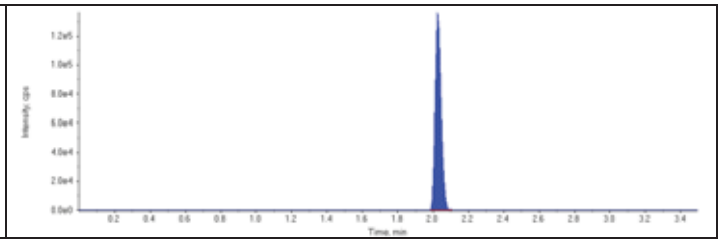
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



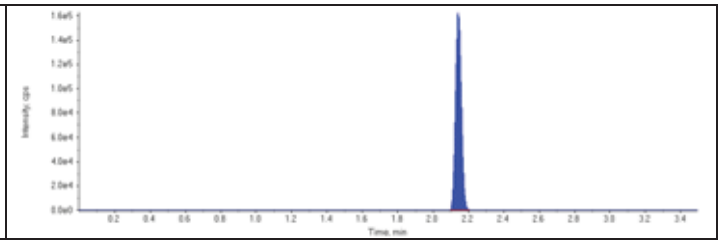
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



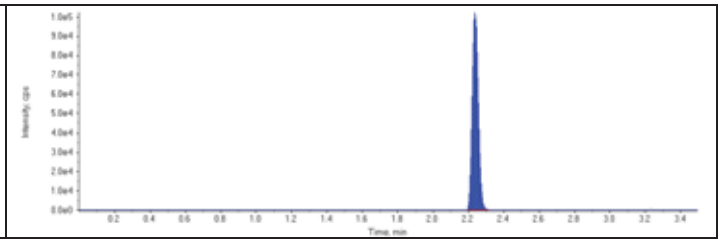
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



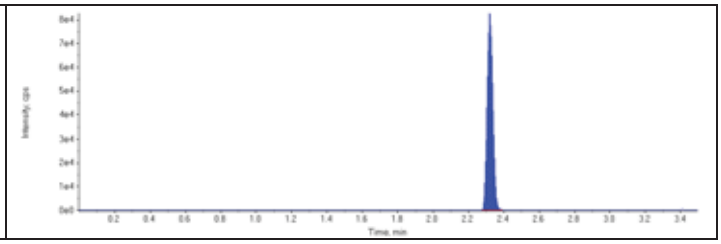
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



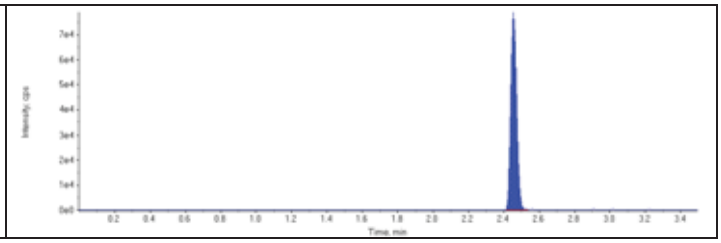
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



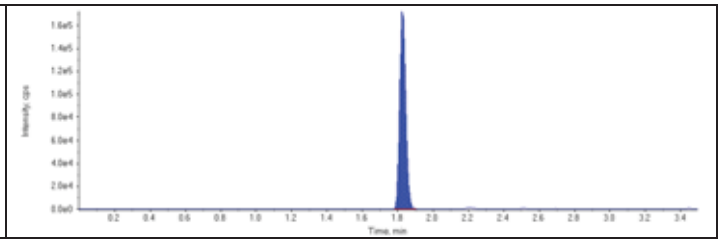
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.45(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



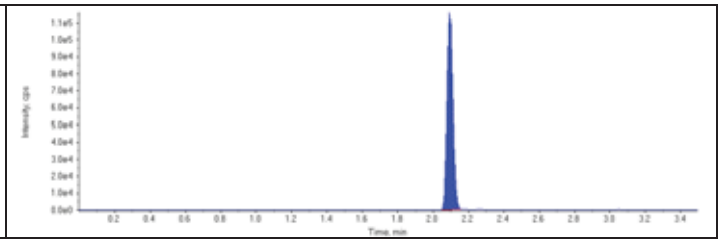
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



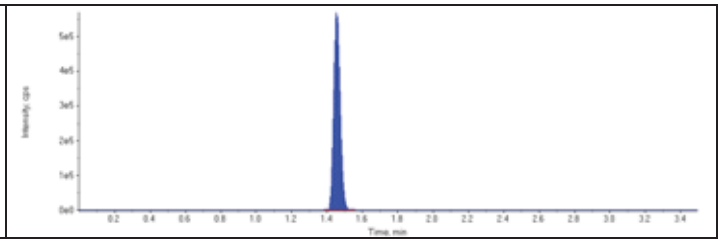
M2 8:2 FTS (Internal Standard)

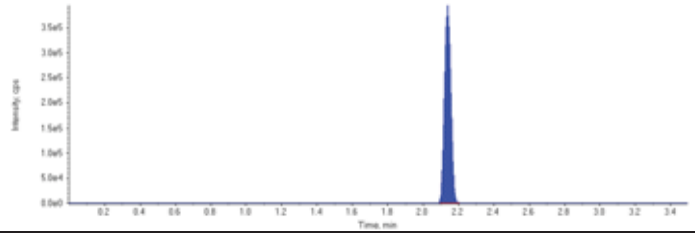
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

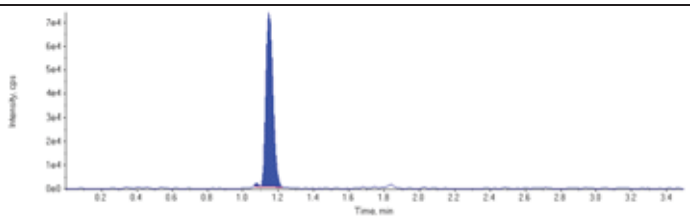
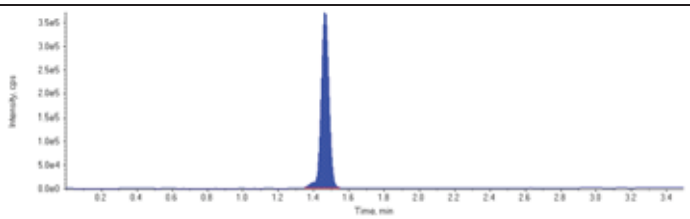
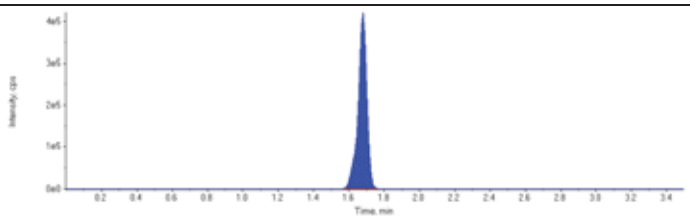
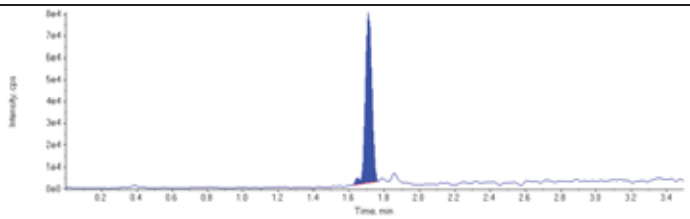
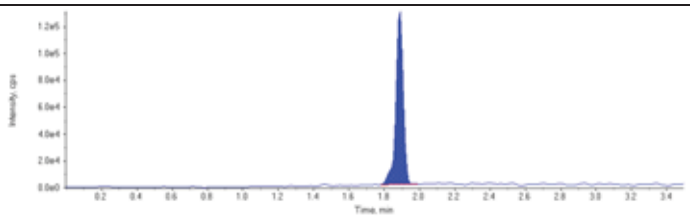
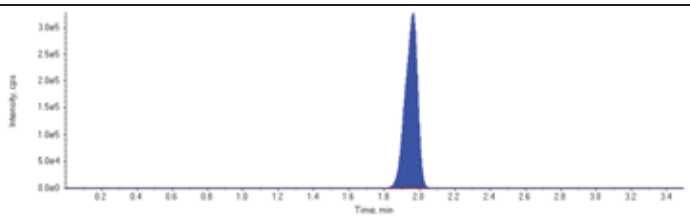


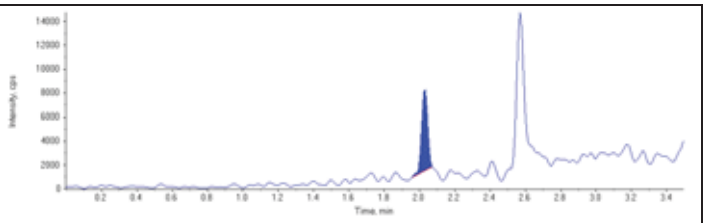
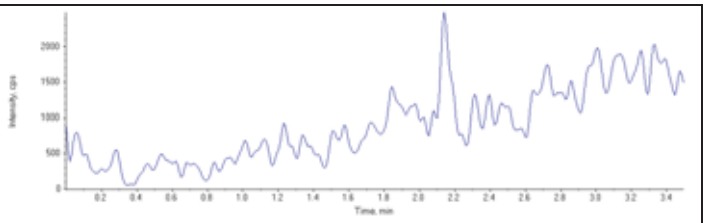
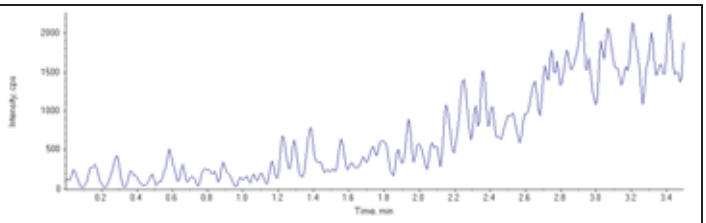
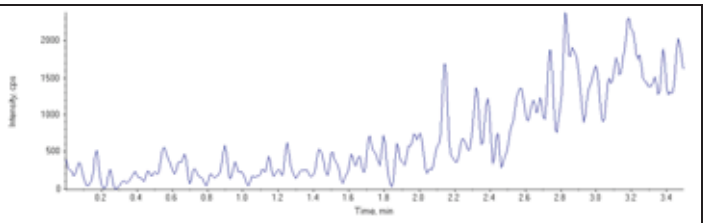
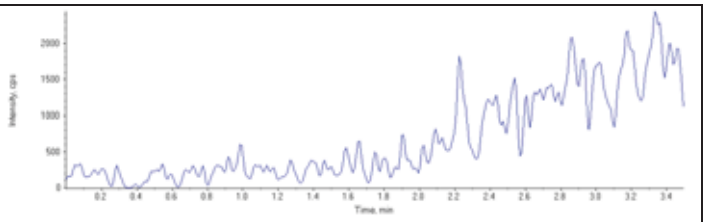
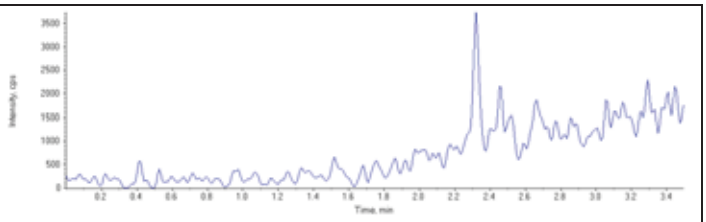
13C6-PFHxA IS (Internal Standard)

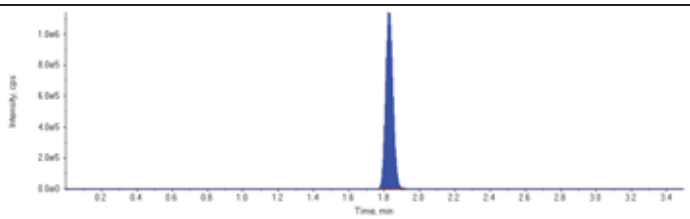
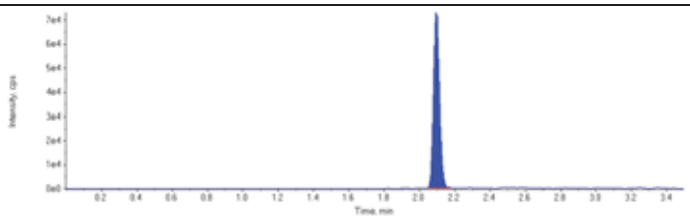
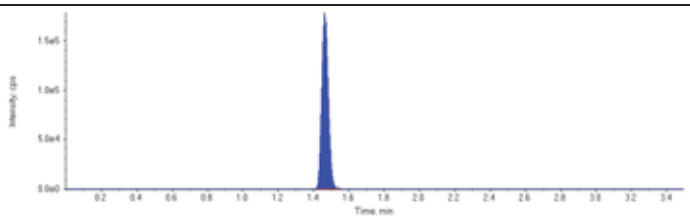
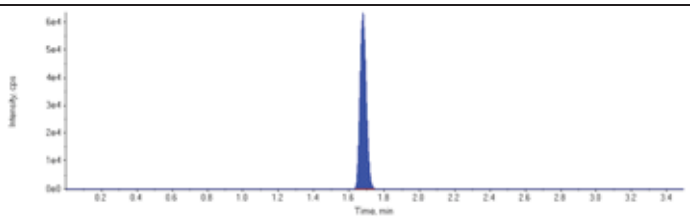
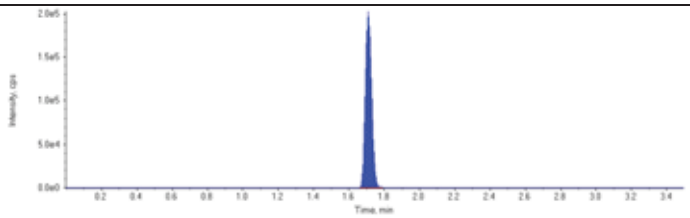
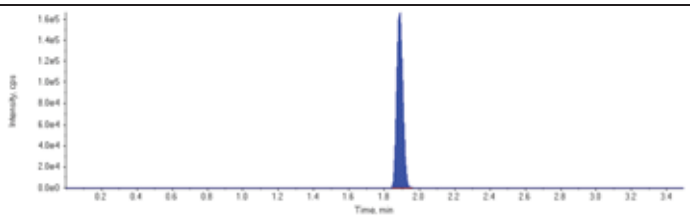
RT (Exp. RT): 1.45(1.48) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

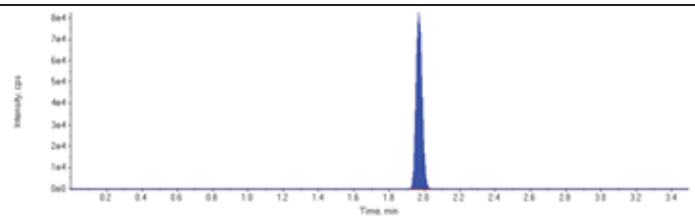
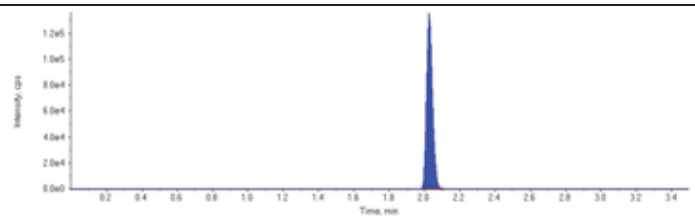
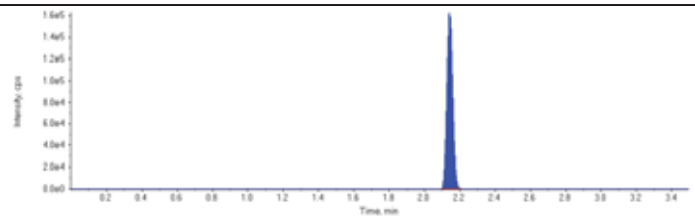
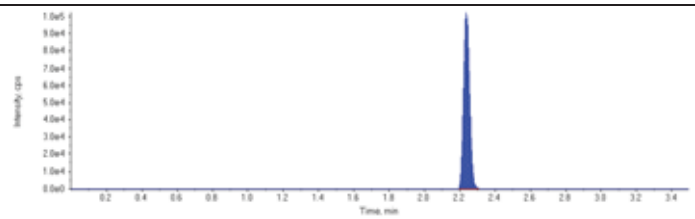
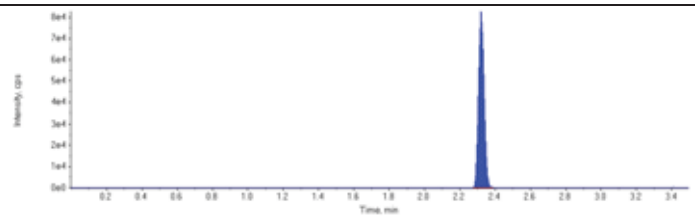
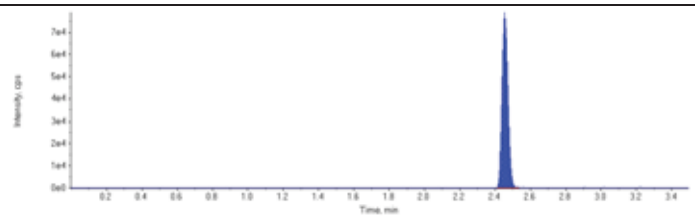


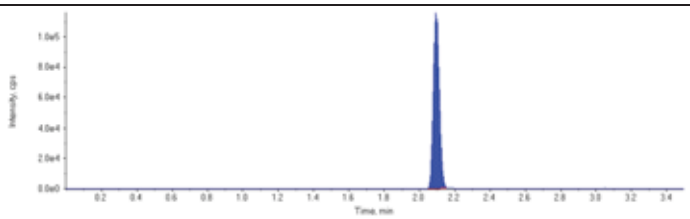
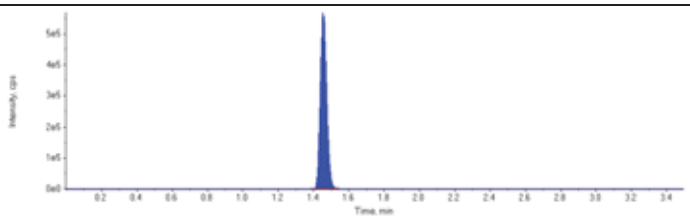
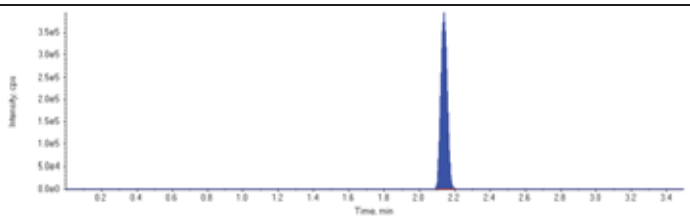
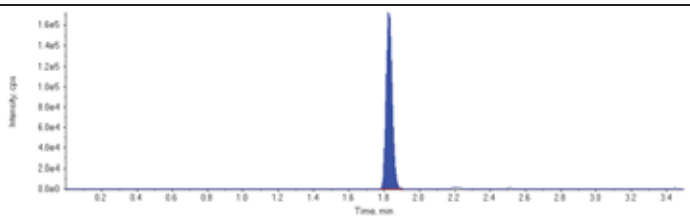
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.74 µg/L Area Ratio: 1.31 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 7.36 µg/L Area Ratio: 2.48 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 15.9 µg/L Area Ratio: 9.49 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 1.13 µg/L Area Ratio: 0.393 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 2.91 µg/L Area Ratio: 0.920 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 22.1 µg/L Area Ratio: 8.19 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.114 µg/L Area Ratio: 0.0515 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 36.7 µg/L Area Ratio: 8.12 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 1.54 µg/L Area Ratio: 0.651 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 89.0 µg/L Area Ratio: 0.314 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 94.0 µg/L Area Ratio: 0.105 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 87.7 µg/L Area Ratio: 0.336 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 92.1 µg/L Area Ratio: 0.277 Sample Type: (Unknown)	

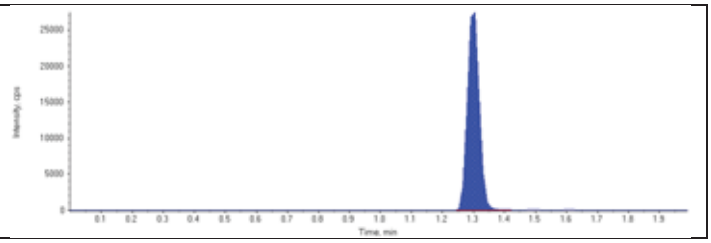
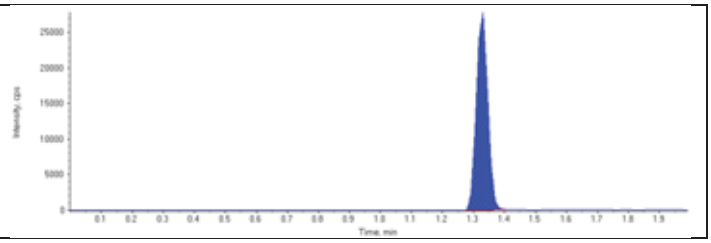
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 94.4 µg/L Area Ratio: 0.132 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 70.4 µg/L Area Ratio: 0.217 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 119. µg/L Area Ratio: 0.385 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 104. µg/L Area Ratio: 0.244 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 85.3 µg/L Area Ratio: 0.184 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.45 (2.46) min Calculated Conc: 81.0 µg/L Area Ratio: 0.181 Sample Type: (Unknown)	

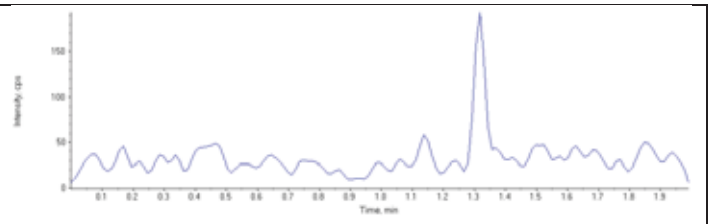
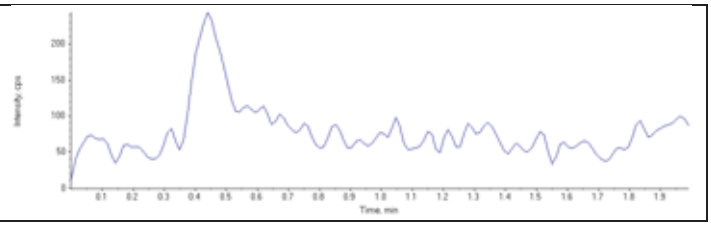
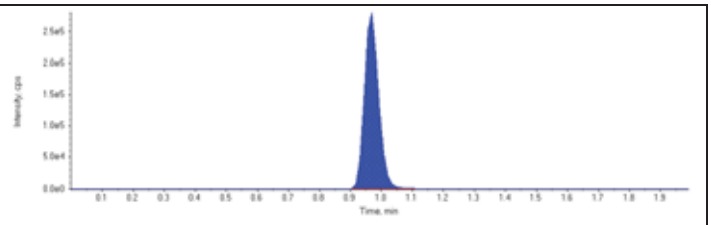
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 93.4 µg/L Area Ratio: 0.187 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 131. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 99.6 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 94.9 µg/L Area Ratio: 0.280 Sample Type: (Unknown)	

Sample ID	4872075~DXR289-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	32
Acquisition Date	2017/03/03 6:30:15 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	73300.	1.30	1.00	-
D5-EtFOSAA IS	71000.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	897000	0.966	N/A	116.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.966 (0.855) min Calculated Conc: 116. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

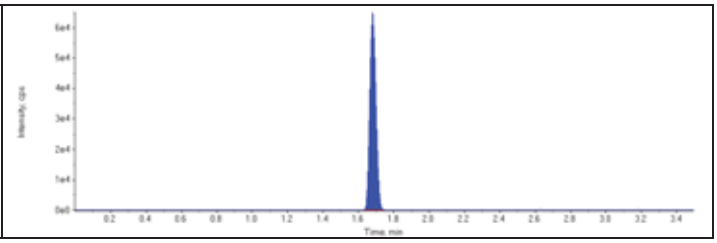
Sample ID	4872075~DXR290-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	21
Acquisition Date	2017/03/09 10:12:13 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for PFHxA and PFOA only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	154000.	1.68	1.00	-
MPFHxA	475000.	1.46	1.00	-
MPFHpA	516000.	1.71	1.00	-
MPFOA	377000.	1.89	1.00	-
MPFOS	198000.	1.97	1.00	-
MPFNA	392000.	2.03	1.00	-
MPFDA	400000.	2.14	1.00	-
MPFUnA	282000.	2.24	1.00	-
MPFDoA	193000.	2.32	1.00	-
MPFTeDA	205000.	2.46	1.00	-
M2 6:2 FTS	428000.	1.83	1.00	-
M2 8:2 FTS	277000.	2.09	1.00	-
13C6-PFHxA IS	1410000.	1.45	0.833	-
13C9-PFDA IS	1240000.	2.14	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	354000	1.15	N/A	2.98	N/A
PFHxA 1	2630000	1.46	N/A	16.4	N/A
PFHxS 1	5310000	1.68	N/A	58.0	N/A
PFHpA 1	497000	1.71	N/A	3.17	N/A
PFOA 1	2540000	1.89	N/A	22.2	N/A
PFOS 1	4180000	1.93	N/A	57.0	N/A
PFNA 1	70000	2.03	N/A	0.558	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	7100000	1.83	N/A	75.0	N/A
8:2-FTS 1	236000	2.09	N/A	2.10	N/A
13C2-PFHxA	475000	1.46	N/A	95.7	N/A
18O2-PFHxS	154000	1.68	N/A	97.6	N/A
13C4-PFHpA	516000	1.71	N/A	95.7	N/A
13C4-PFOA	377000	1.89	N/A	88.9	N/A
13C4-PFOS	198000	1.97	N/A	100.	N/A
13C5-PFNA	392000	2.03	N/A	90.2	N/A
13C2-PFDA	400000	2.14	N/A	99.8	N/A
13C2-PFUnA	282000	2.24	N/A	97.1	N/A
13C2-PFDoA	193000	2.32	N/A	72.2	N/A
13C2-PFTeDA	205000	2.46	N/A	73.8	N/A
13C2-8:2 FTS	277000	2.09	N/A	98.6	N/A
13C6-PFHxA	1410000	1.45	N/A	126.	N/A
13C9-PFDA	1240000	2.14	N/A	125.	N/A
13C2-6:2-FTS	428000	1.83	N/A	103.	N/A

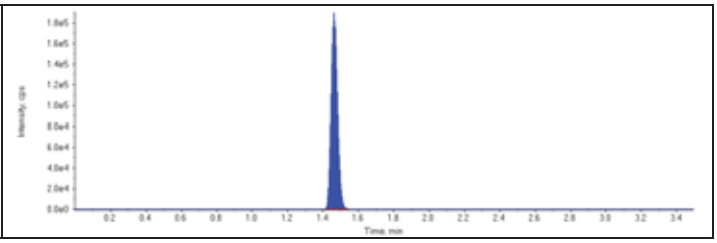
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



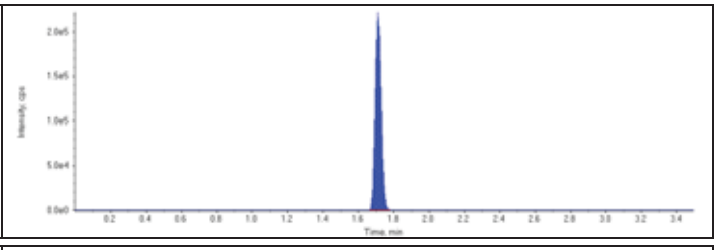
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



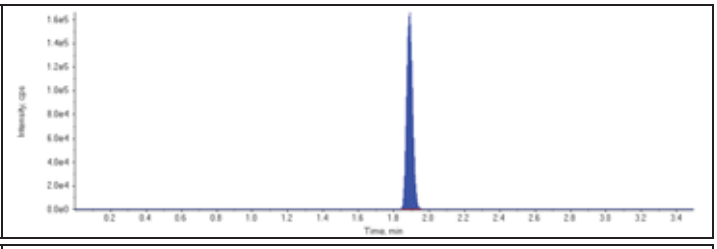
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



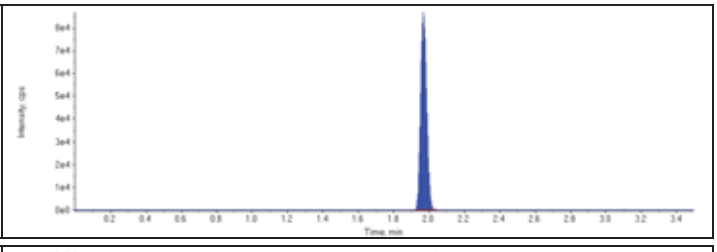
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



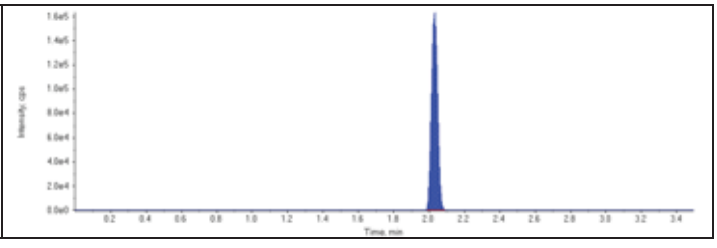
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



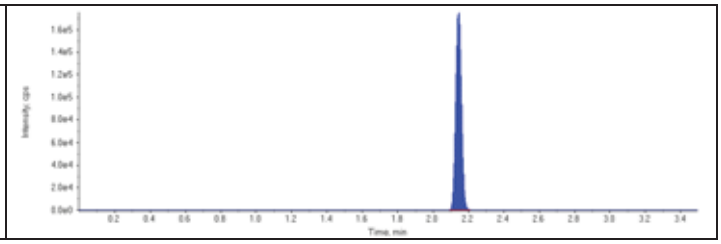
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



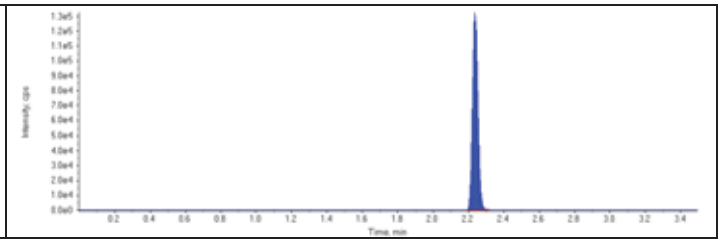
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



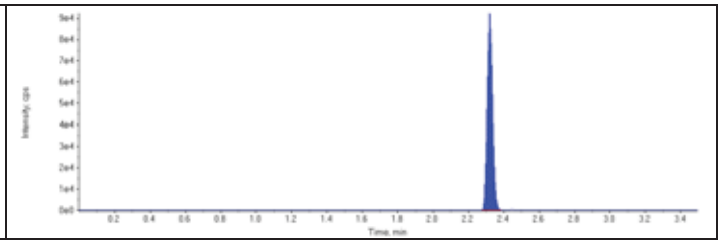
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



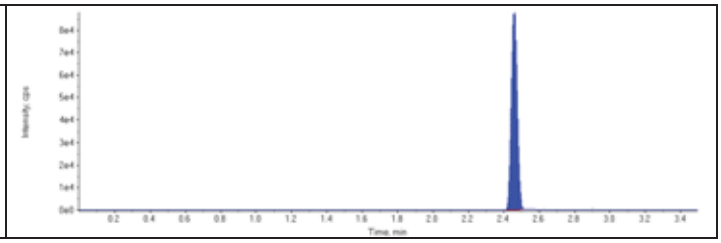
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



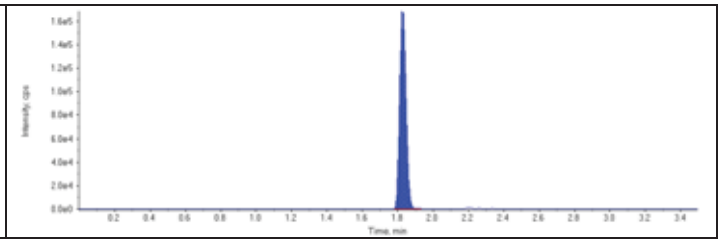
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



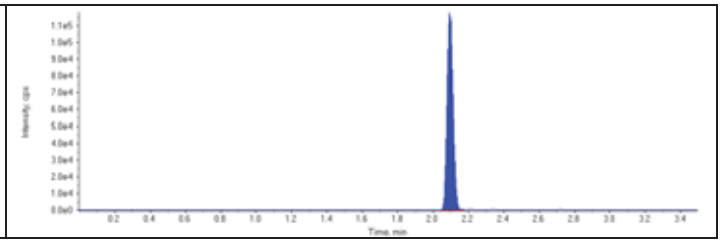
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



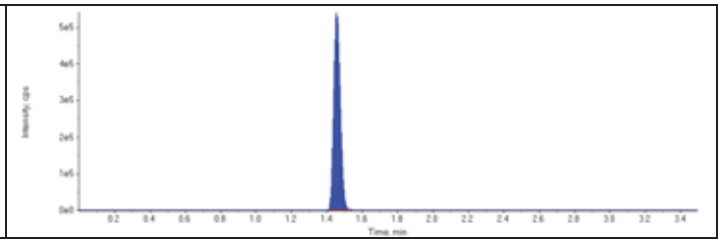
M2 8:2 FTS (Internal Standard)

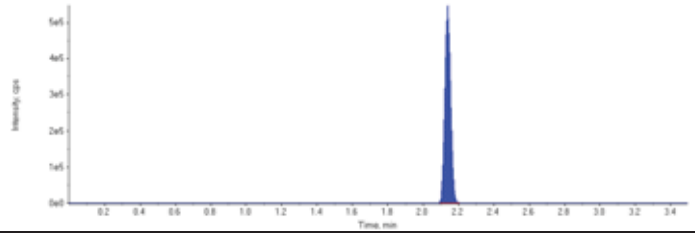
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

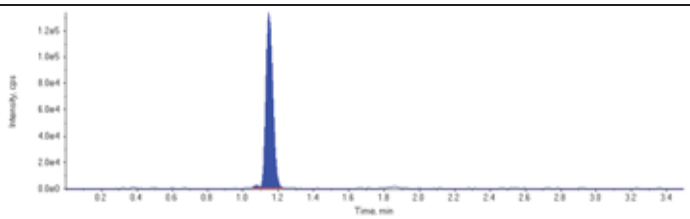
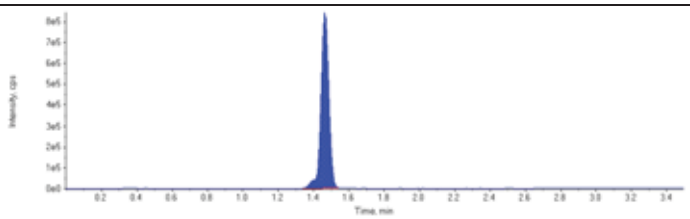
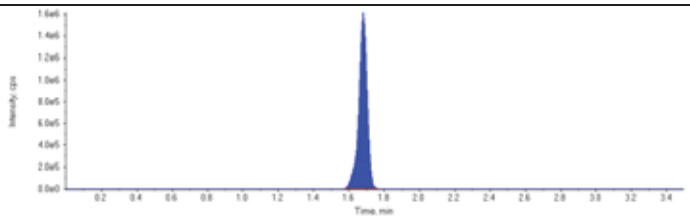
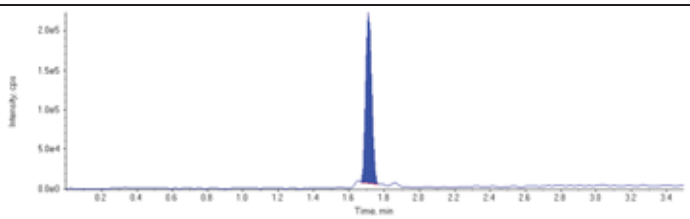
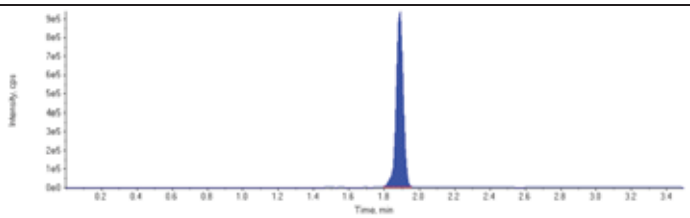
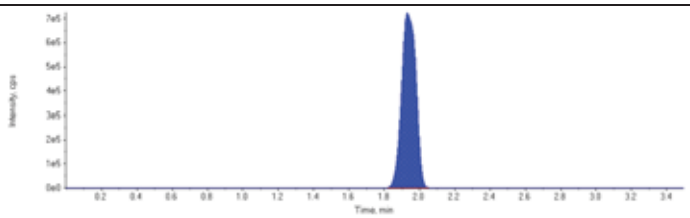


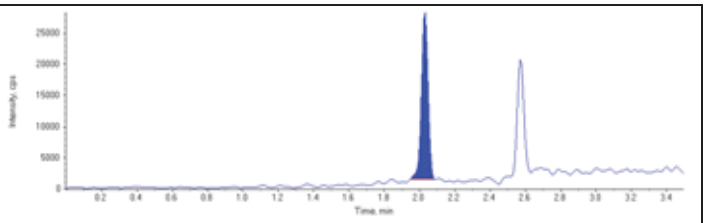
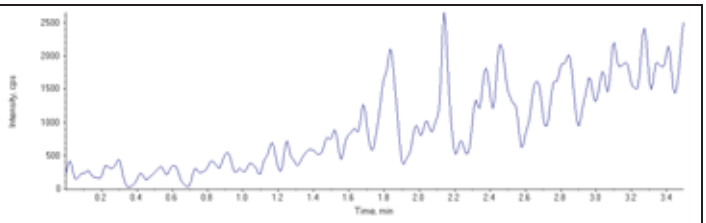
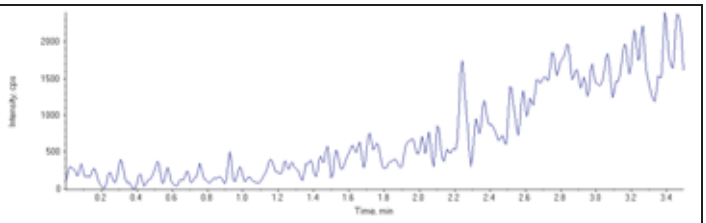
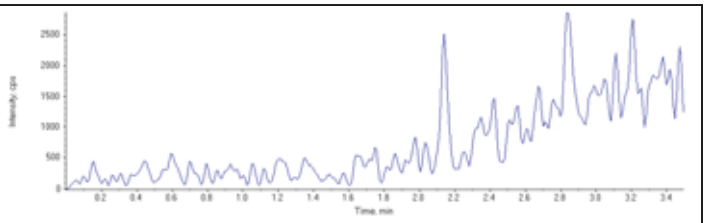
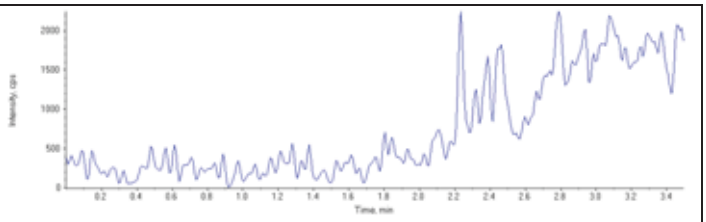
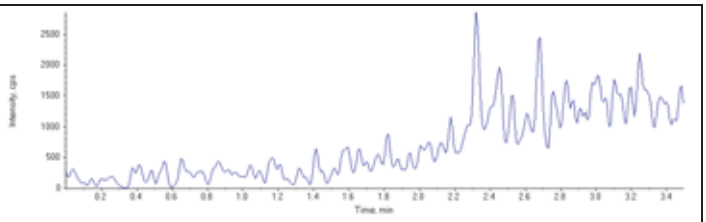
13C6-PFHxA IS (Internal Standard)

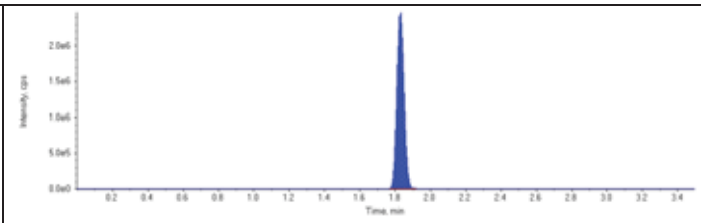
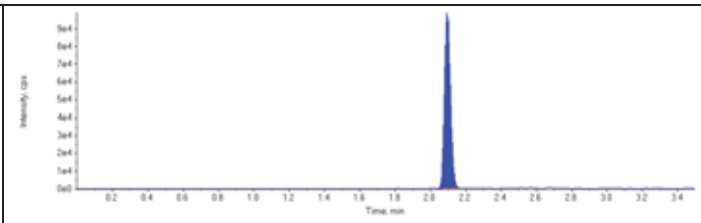
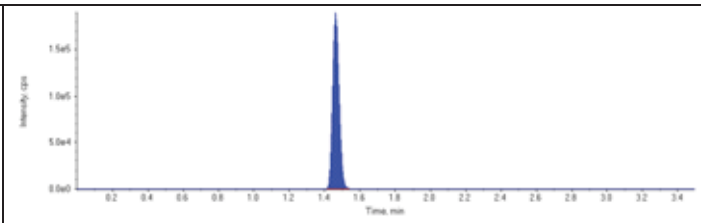
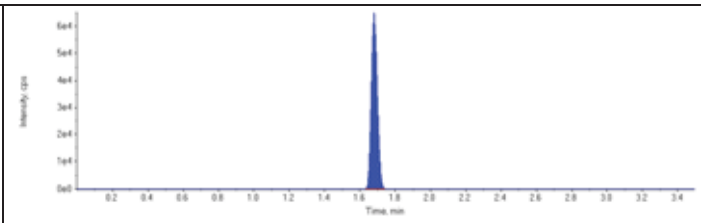
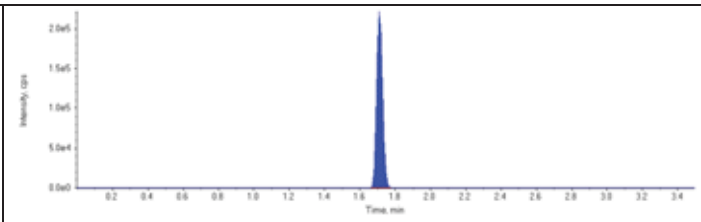
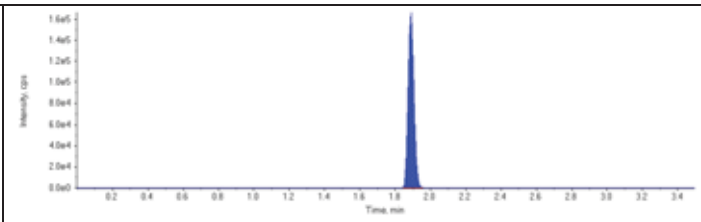
RT (Exp. RT): 1.45(1.48) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

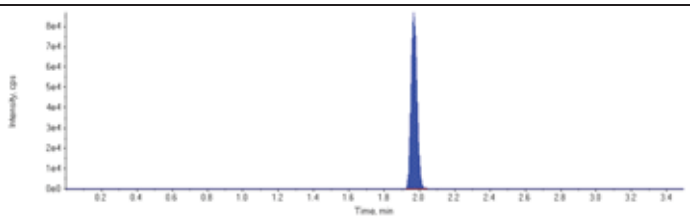
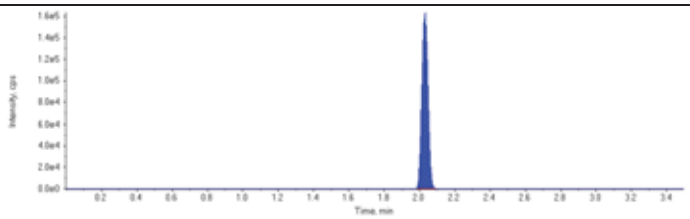
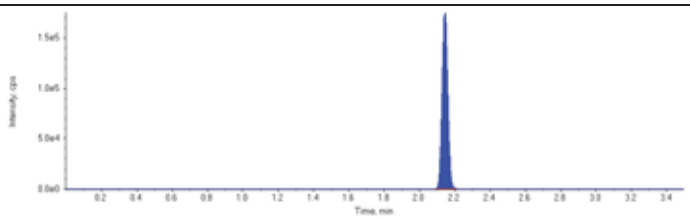
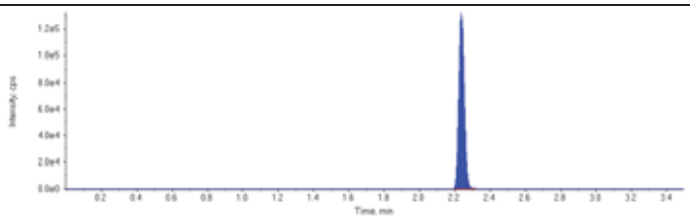
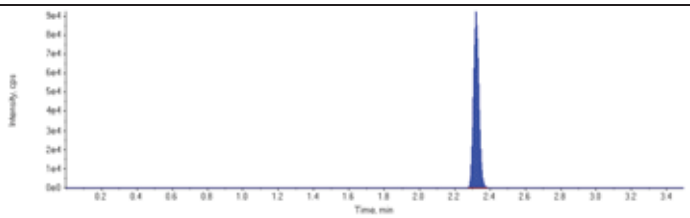
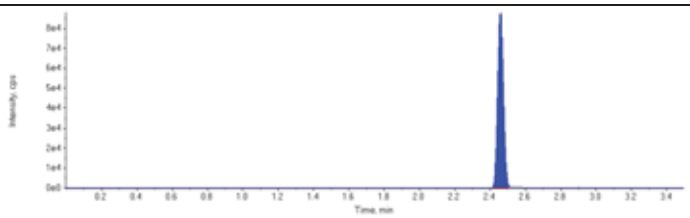


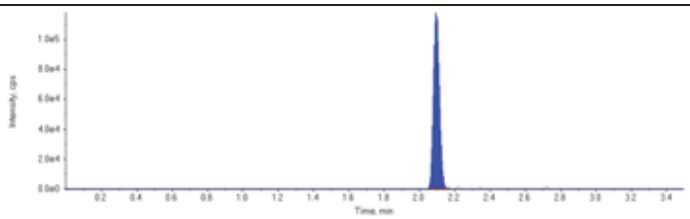
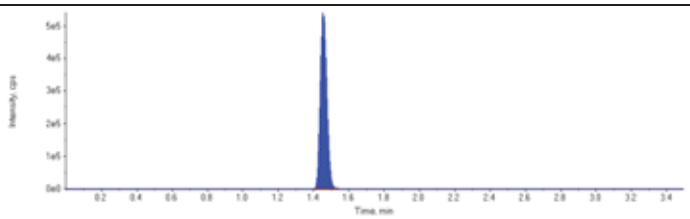
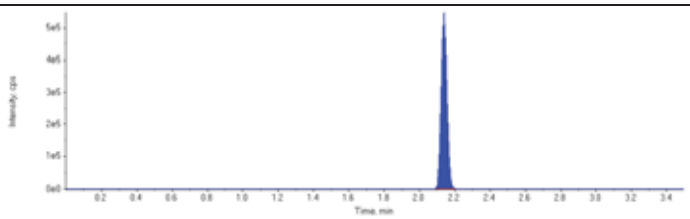
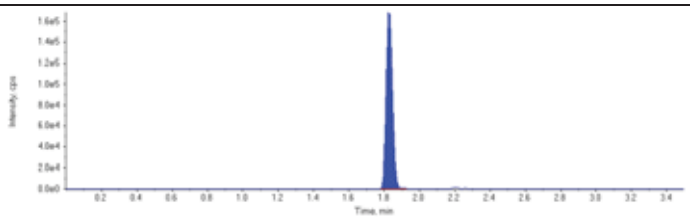
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.98 µg/L Area Ratio: 2.30 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 16.4 µg/L Area Ratio: 5.54 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 58.0 µg/L Area Ratio: 34.5 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 3.17 µg/L Area Ratio: 0.963 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 22.2 µg/L Area Ratio: 6.74 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.93 (1.97) min Calculated Conc: 57.0 µg/L Area Ratio: 21.2 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.558 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 75.0 µg/L Area Ratio: 16.6 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 2.10 µg/L Area Ratio: 0.850 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 95.7 µg/L Area Ratio: 0.337 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 97.6 µg/L Area Ratio: 0.109 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 95.7 µg/L Area Ratio: 0.367 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 88.9 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	

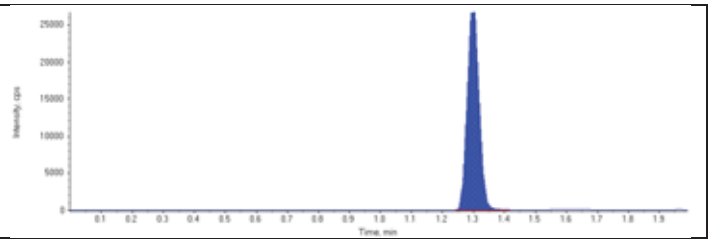
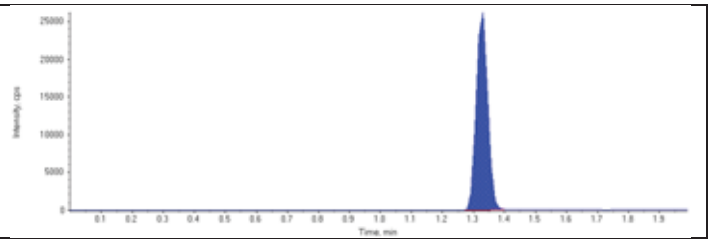
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 100. µg/L Area Ratio: 0.140 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 90.2 µg/L Area Ratio: 0.279 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 99.8 µg/L Area Ratio: 0.323 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 97.1 µg/L Area Ratio: 0.227 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 72.2 µg/L Area Ratio: 0.156 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 73.8 µg/L Area Ratio: 0.165 Sample Type: (Unknown)	

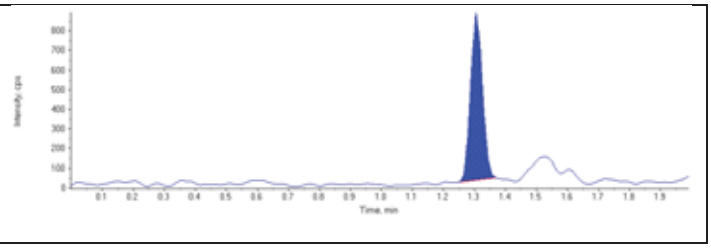
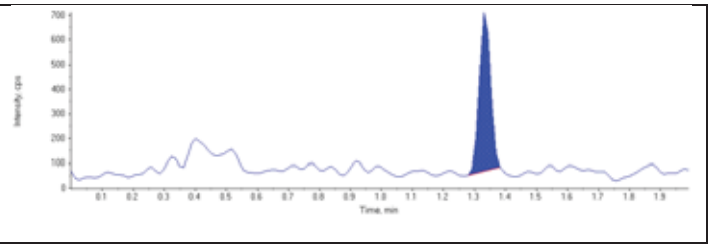
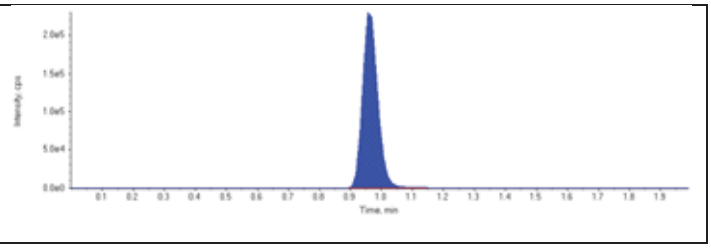
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 98.6 µg/L Area Ratio: 0.197 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 126. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 125. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 103. µg/L Area Ratio: 0.304 Sample Type: (Unknown)	

Sample ID	4872075~DXR290-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	33
Acquisition Date	2017/03/03 6:32:49 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	72700.	1.30	1.00	-
D5-EtFOSAA IS	67100.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	2240	1.31	N/A	0.0192	N/A
EtFOSAA 1	1630	1.33	N/A	0.166	N/A
13C9-PFDA	786000	0.961	N/A	102.	N/A

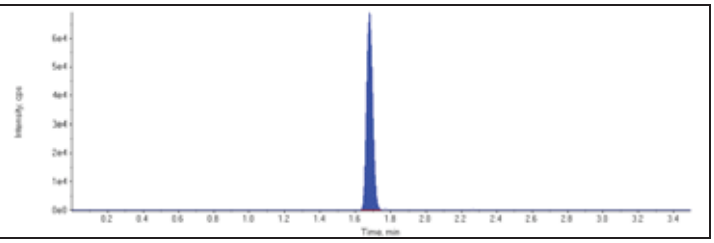
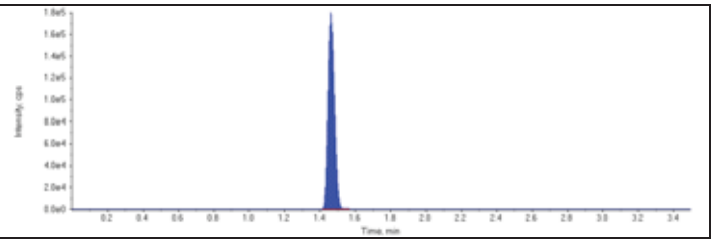
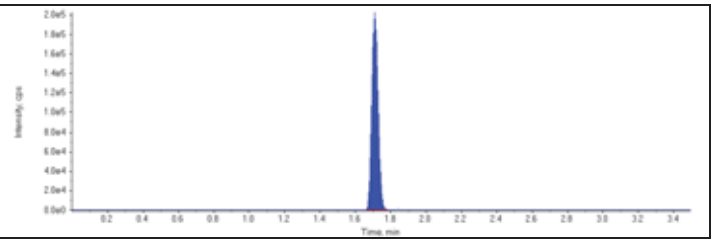
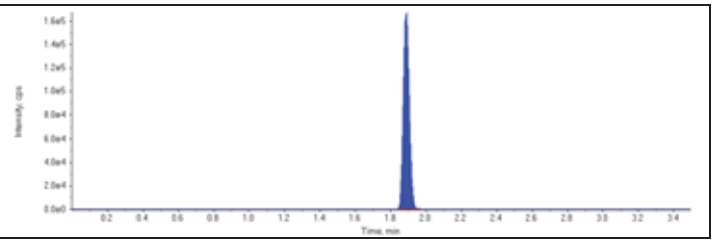
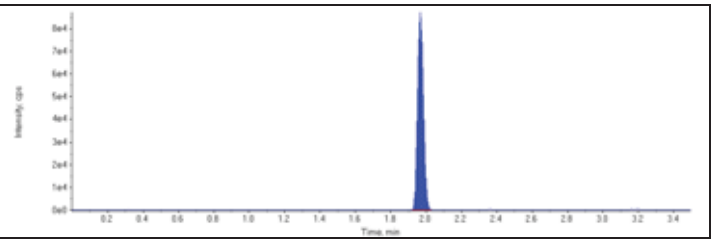
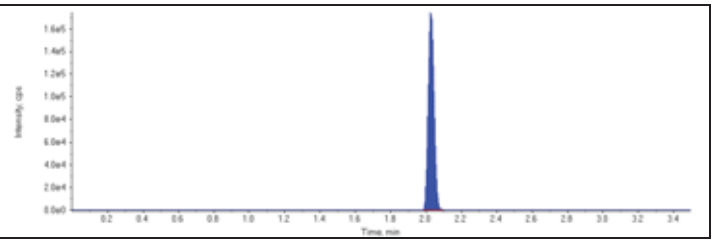
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 0.0192 µg/L Area Ratio: 0.0308 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 0.166 µg/L Area Ratio: 0.0243 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.961 (0.855) min Calculated Conc: 102. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR291-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	22
Acquisition Date	2017/03/09 10:22:21 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for PFHxS, PFOS and 6:2-FTS only		

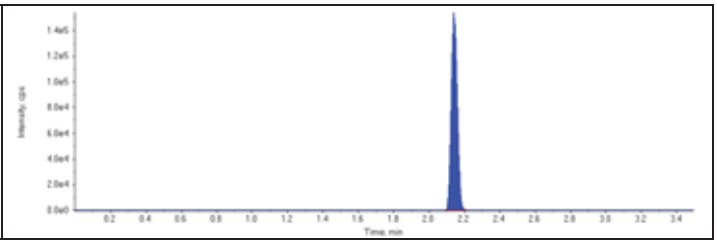
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	160000.	1.68	1.00	-
MPFHxA	451000.	1.46	1.00	-
MPFHpA	487000.	1.71	1.00	-
MPFOA	393000.	1.89	1.00	-
MPFOS	196000.	1.97	1.00	-
MPFNA	398000.	2.03	1.00	-
MPFDA	368000.	2.14	1.00	-
MPFUnA	222000.	2.24	1.00	-
MPFDoA	205000.	2.32	1.00	-
MPFTeDA	199000.	2.46	1.00	-
M2 6:2 FTS	425000.	1.83	1.00	-
M2 8:2 FTS	271000.	2.09	1.00	-
13C6-PFHxA IS	1470000.	1.45	0.833	-
13C9-PFDA IS	1380000.	2.14	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	207000	1.15	N/A	1.71	N/A
PFHxA 1	1090000	1.46	N/A	7.14	N/A
PFHxS 1	1450000	1.68	N/A	15.1	N/A
PFHpA 1	193000	1.71	N/A	1.14	N/A
PFOA 1	366000	1.89	N/A	2.94	N/A
PFOS 1	1490000	1.96	N/A	20.6	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	3290000	1.83	N/A	34.9	N/A
8:2-FTS 1	177000	2.10	N/A	1.56	N/A
13C2-PFHxA	451000	1.46	N/A	87.3	N/A
18O2-PFHxS	160000	1.68	N/A	97.7	N/A
13C4-PFHpA	487000	1.71	N/A	86.7	N/A
13C4-PFOA	393000	1.89	N/A	89.0	N/A
13C4-PFOS	196000	1.97	N/A	95.0	N/A
13C5-PFNA	398000	2.03	N/A	87.9	N/A
13C2-PFDA	368000	2.14	N/A	82.7	N/A
13C2-PFUnA	222000	2.24	N/A	69.0	N/A
13C2-PFDoA	205000	2.32	N/A	68.9	N/A
13C2-PFTeDA	199000	2.46	N/A	64.7	N/A
13C2-8:2 FTS	271000	2.09	N/A	92.4	N/A
13C6-PFHxA	1470000	1.45	N/A	131.	N/A
13C9-PFDA	1380000	2.14	N/A	139.	N/A
13C2-6:2-FTS	425000	1.83	N/A	98.1	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

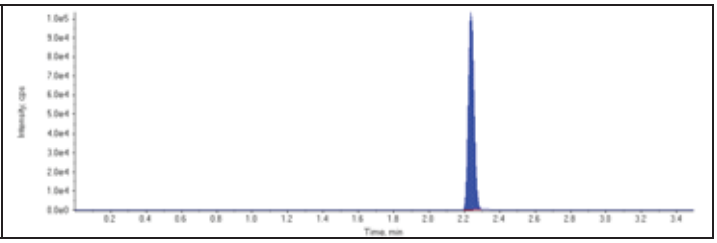
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



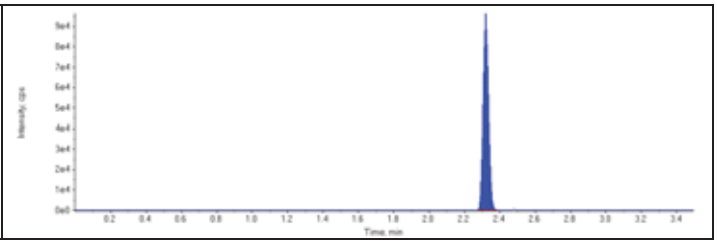
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



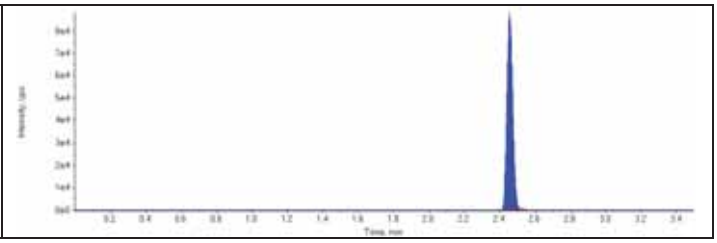
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



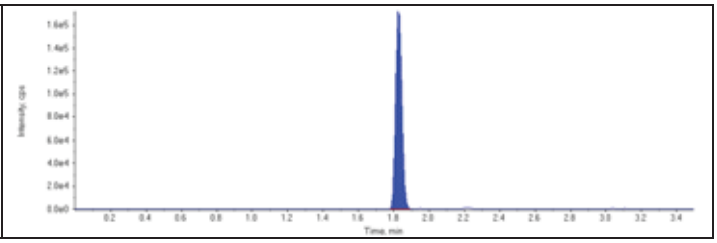
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



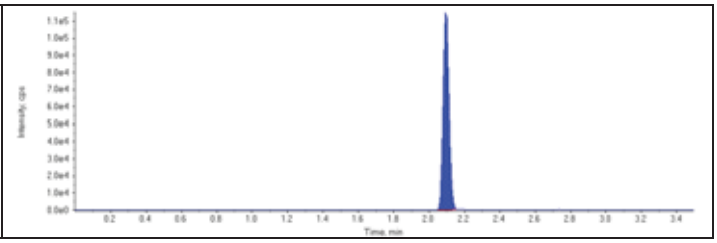
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



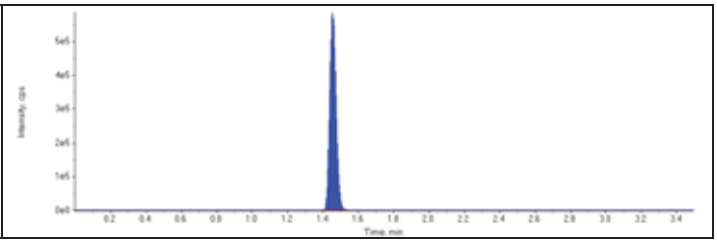
M2 8:2 FTS (Internal Standard)

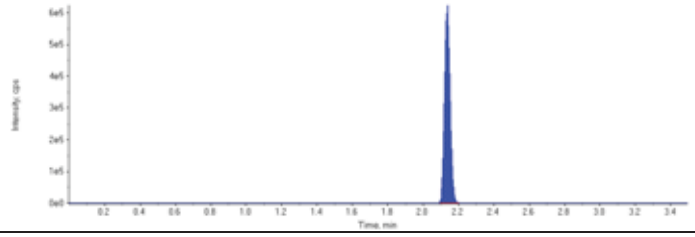
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

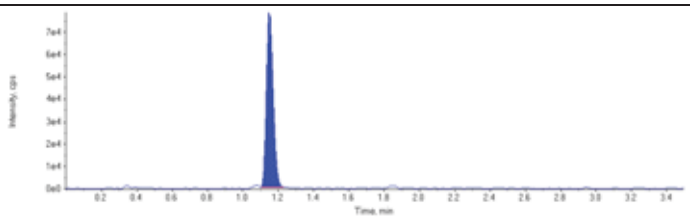
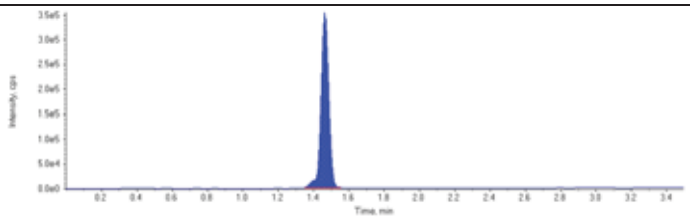
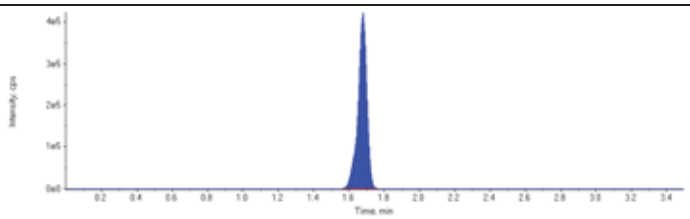
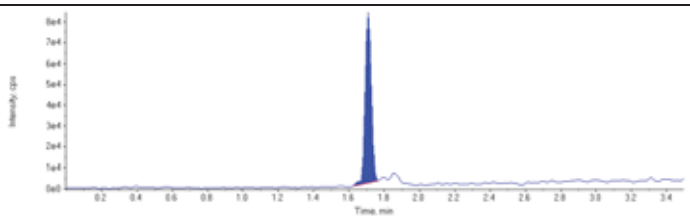
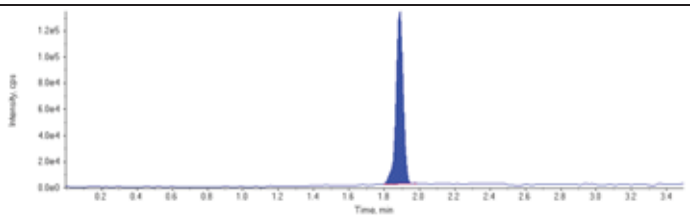
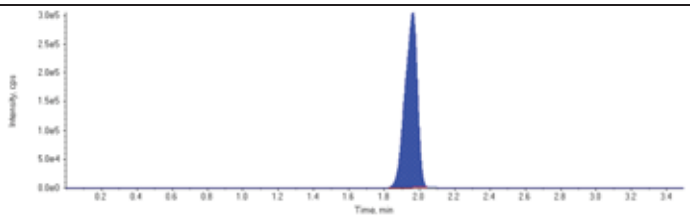


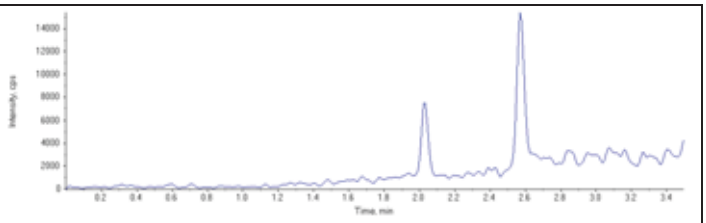
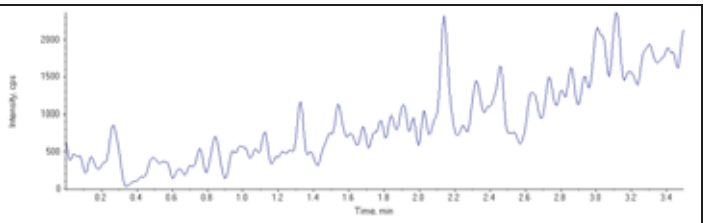
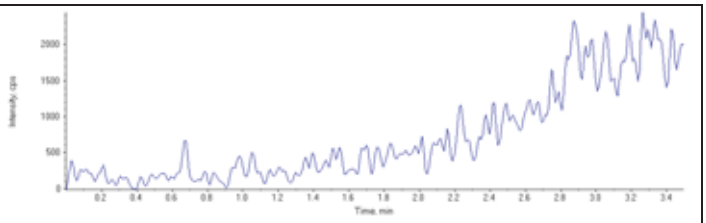
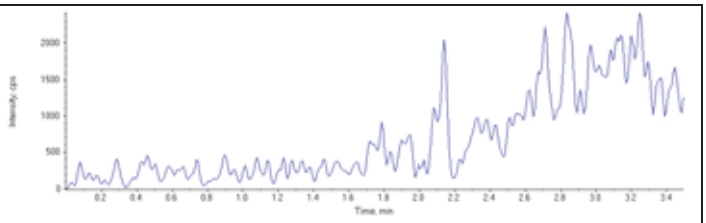
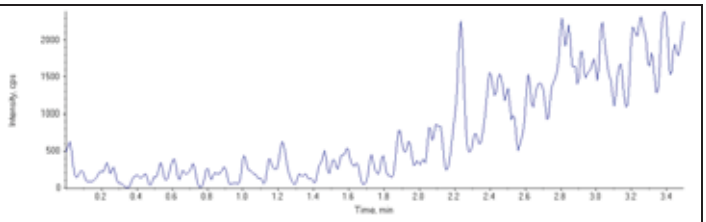
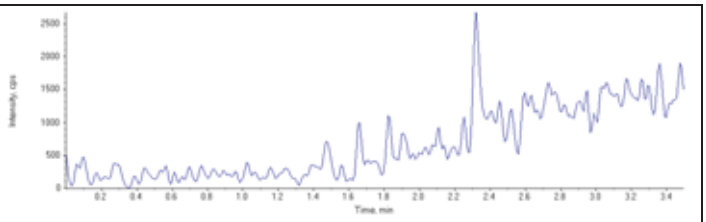
13C6-PFHxA IS (Internal Standard)

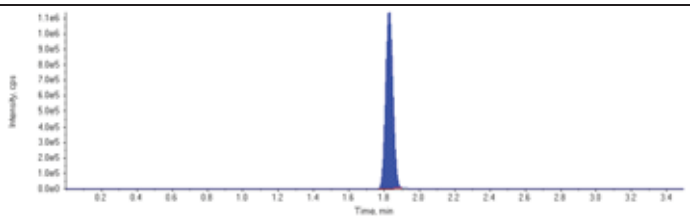
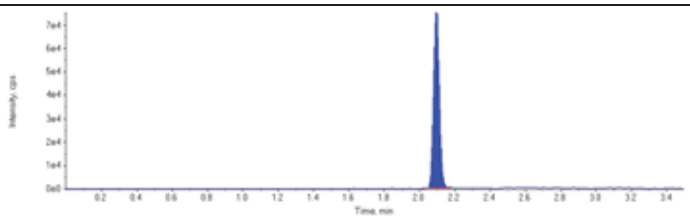
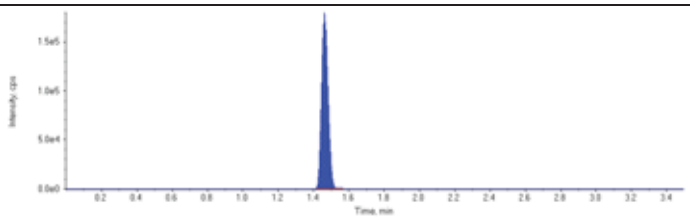
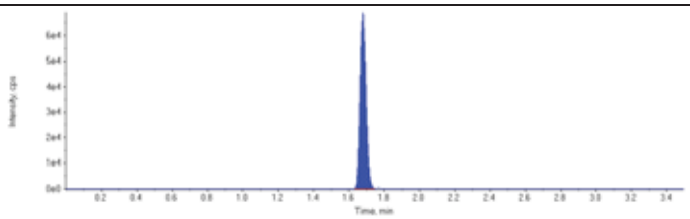
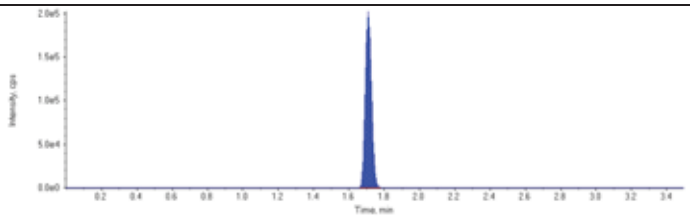
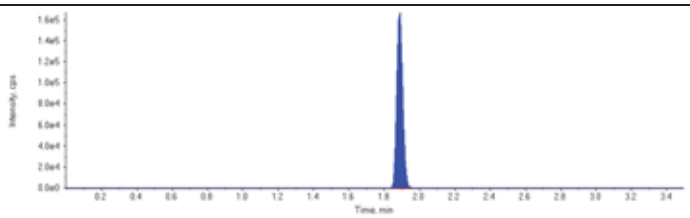
RT (Exp. RT): 1.45(1.48) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

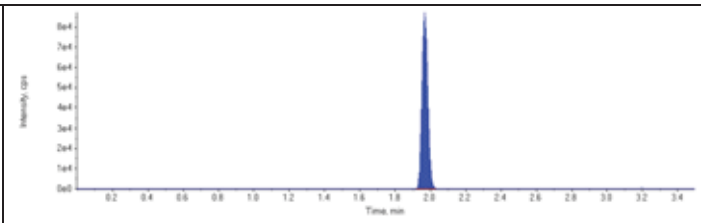
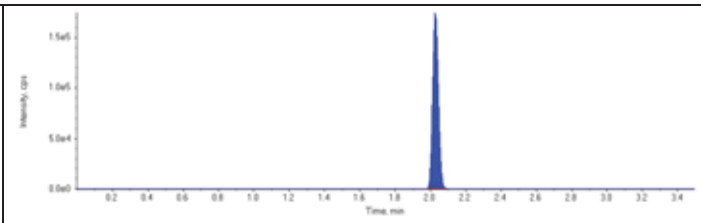
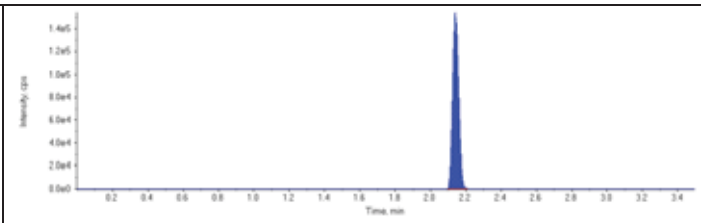
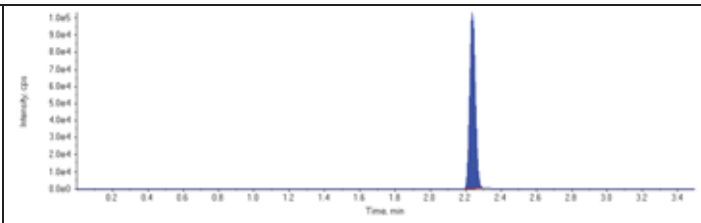
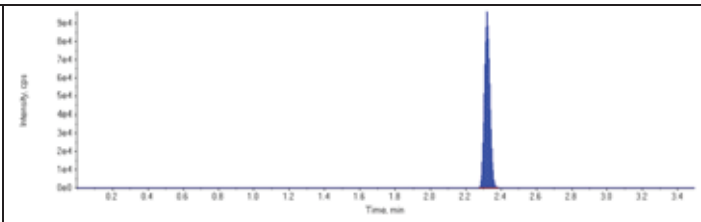
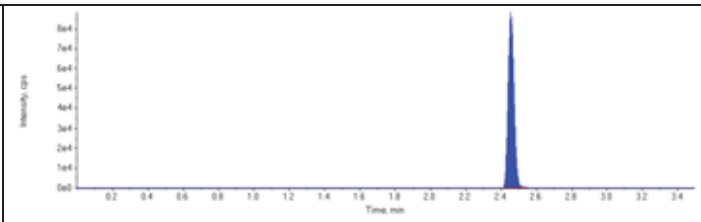


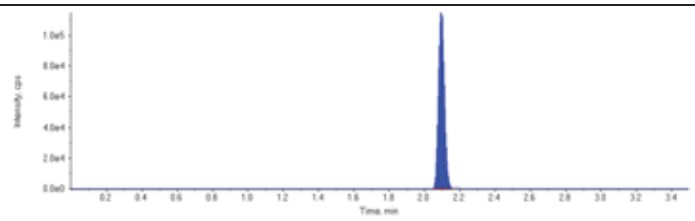
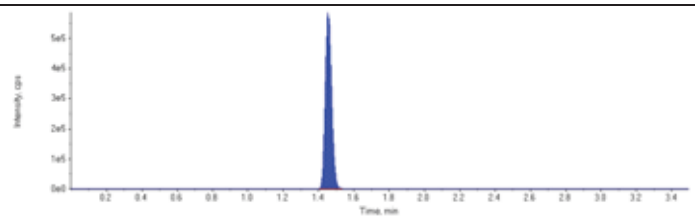
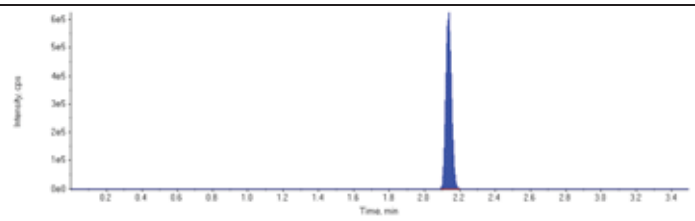
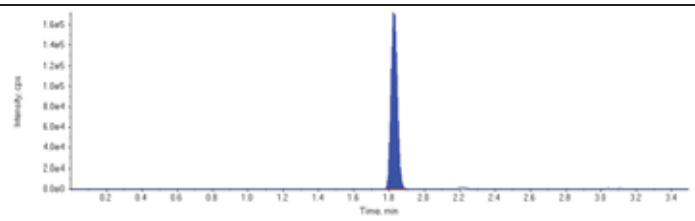
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.71 µg/L Area Ratio: 1.29 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 7.14 µg/L Area Ratio: 2.41 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 15.1 µg/L Area Ratio: 9.02 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 1.14 µg/L Area Ratio: 0.397 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 2.94 µg/L Area Ratio: 0.931 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 20.6 µg/L Area Ratio: 7.63 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.02) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 34.9 µg/L Area Ratio: 7.74 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 1.56 µg/L Area Ratio: 0.656 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 87.3 µg/L Area Ratio: 0.308 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 97.7 µg/L Area Ratio: 0.109 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 86.7 µg/L Area Ratio: 0.332 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 89.0 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	

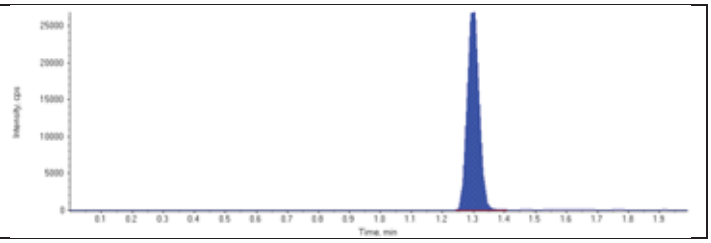
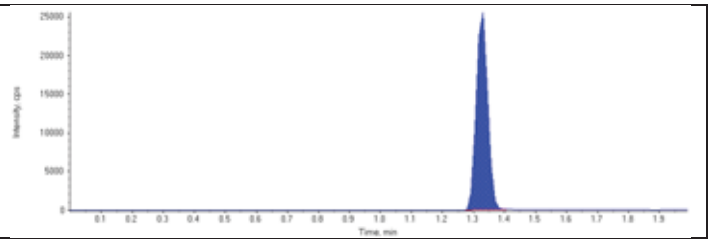
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 95.0 µg/L Area Ratio: 0.133 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 87.9 µg/L Area Ratio: 0.271 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 82.7 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 69.0 µg/L Area Ratio: 0.161 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 68.9 µg/L Area Ratio: 0.149 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 64.7 µg/L Area Ratio: 0.145 Sample Type: (Unknown)	

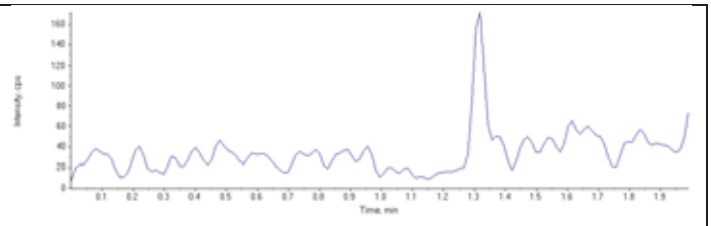
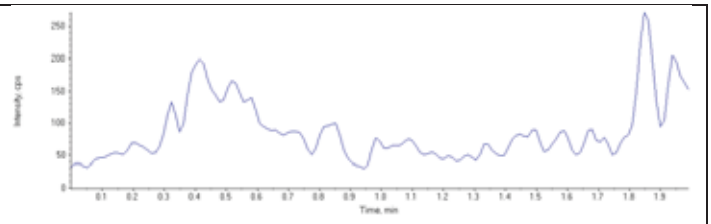
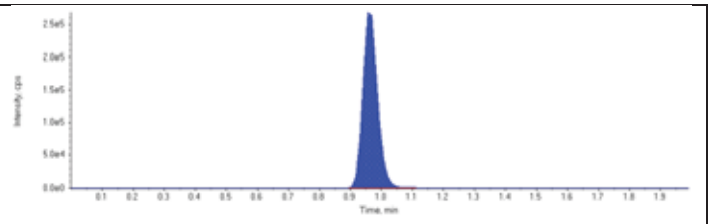
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 92.4 µg/L Area Ratio: 0.184 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 131. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 139. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 98.1 µg/L Area Ratio: 0.290 Sample Type: (Unknown)	

Sample ID	4872075~DXR291-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	34
Acquisition Date	2017/03/03 6:37:56 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	72100.	1.30	1.00	-
D5-EtFOSAA IS	65200.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	898000	0.962	N/A	116.	N/A

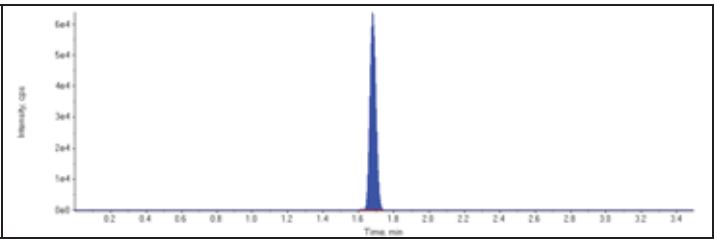
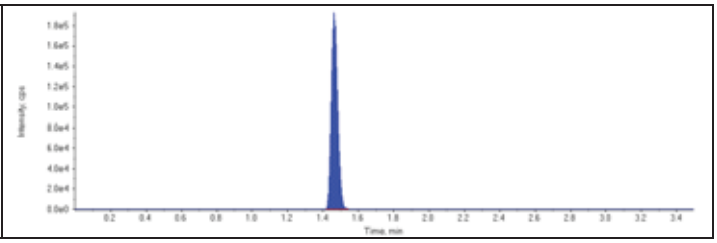
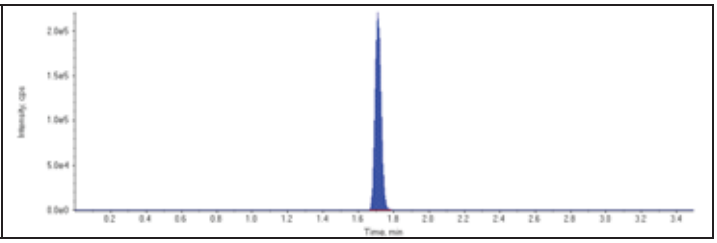
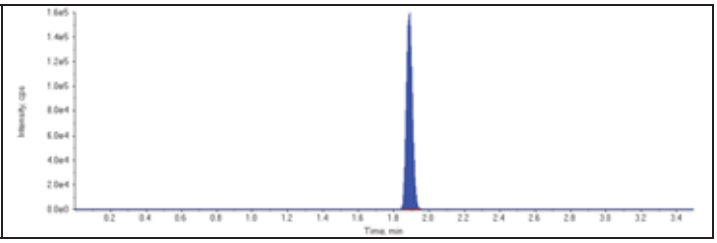
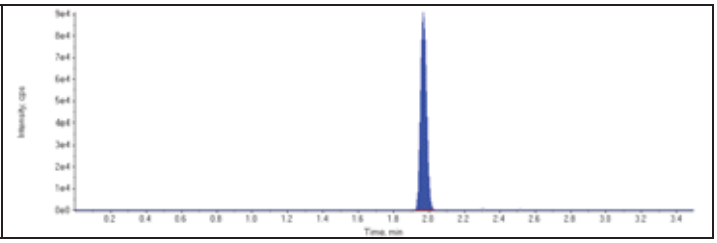
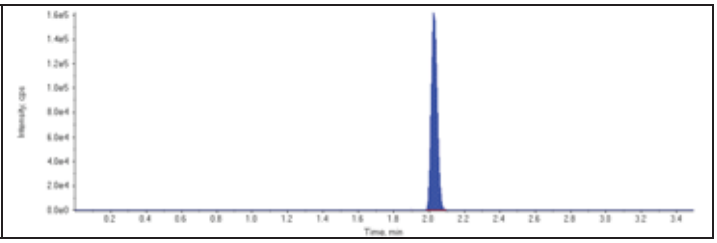
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.962 (0.855) min Calculated Conc: 116. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR292-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	23
Acquisition Date	2017/03/09 10:27:26 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only		

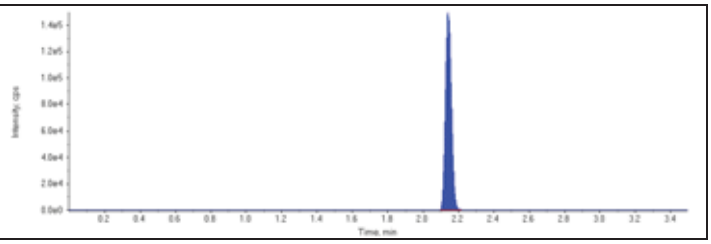
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	147000.	1.68	1.00	-
MPFHxA	476000.	1.46	1.00	-
MPFHpA	505000.	1.71	1.00	-
MPFOA	373000.	1.89	1.00	-
MPFOS	204000.	1.97	1.00	-
MPFNA	379000.	2.03	1.00	-
MPFDA	351000.	2.14	1.00	-
MPFUnA	204000.	2.24	1.00	-
MPFDoA	212000.	2.32	1.00	-
MPFTeDA	199000.	2.45	1.00	-
M2 6:2 FTS	416000.	1.83	1.00	-
M2 8:2 FTS	261000.	2.10	1.00	-
13C6-PFHxA IS	1390000.	1.46	0.833	-
13C9-PFDA IS	1330000.	2.14	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	275000	1.15	N/A	2.44	N/A
PFHxA 1	1770000	1.46	N/A	11.0	N/A
PFHxS 1	2310000	1.68	N/A	26.4	N/A
PFHpA 1	364000	1.71	N/A	2.30	N/A
PFOA 1	932000	1.89	N/A	8.16	N/A
PFOS 1	3070000	1.96	N/A	40.5	N/A
PFNA 1	39700	2.03	N/A	0.300	N/A
PFDA 1	25300	2.14	N/A	0.268	N/A
PFUnA 1	38000	2.24	N/A	0.730	N/A
PFDoA 1	55400	2.32	N/A	0.811	N/A
PFTrDA 1	38600	2.39	N/A	0.471	N/A
PFTeDA 1	31900	2.46	N/A	0.575	N/A
6:2-FTS 1	4240000	1.83	N/A	46.0	N/A
8:2-FTS 1	817000	2.10	N/A	8.43	N/A
13C2-PFHxA	476000	1.46	N/A	96.8	N/A
18O2-PFHxS	147000	1.68	N/A	94.2	N/A
13C4-PFHpA	505000	1.71	N/A	94.7	N/A
13C4-PFOA	373000	1.89	N/A	88.9	N/A
13C4-PFOS	204000	1.97	N/A	105.	N/A
13C5-PFNA	379000	2.03	N/A	88.1	N/A
13C2-PFDA	351000	2.14	N/A	81.6	N/A
13C2-PFUnA	204000	2.24	N/A	65.7	N/A
13C2-PFDoA	212000	2.32	N/A	73.9	N/A
13C2-PFTeDA	199000	2.45	N/A	66.7	N/A
13C2-8:2 FTS	261000	2.10	N/A	94.0	N/A
13C6-PFHxA	1390000	1.46	N/A	125.	N/A
13C9-PFDA	1330000	2.14	N/A	134.	N/A
13C2-6:2-FTS	416000	1.83	N/A	101.	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

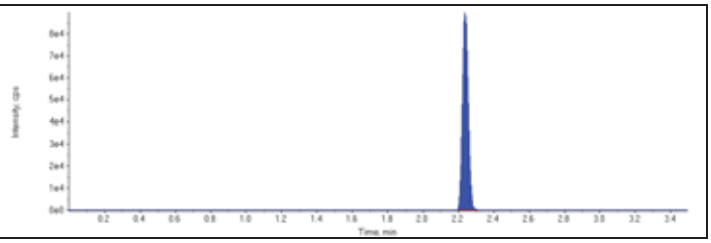
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



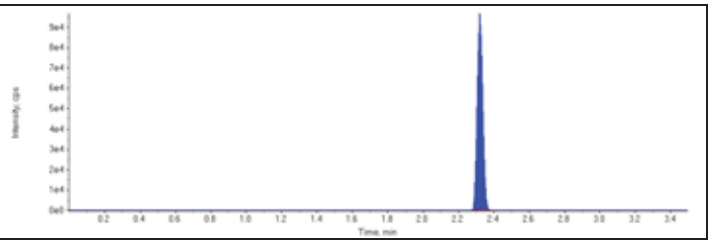
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



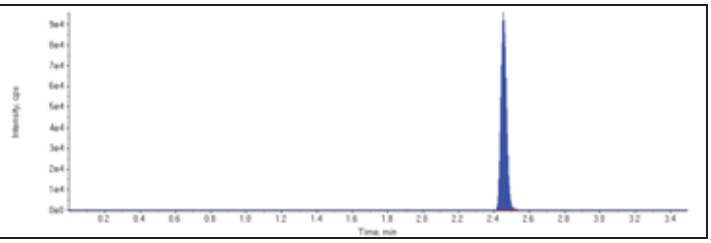
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



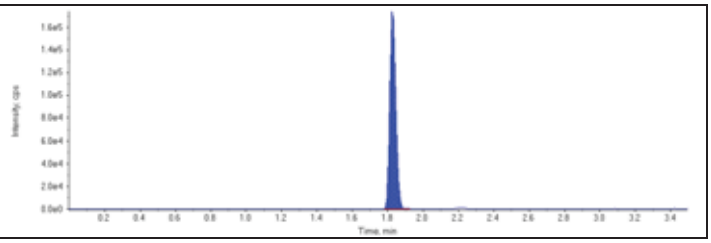
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.45(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



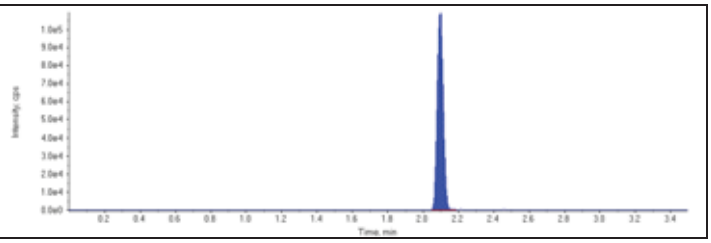
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



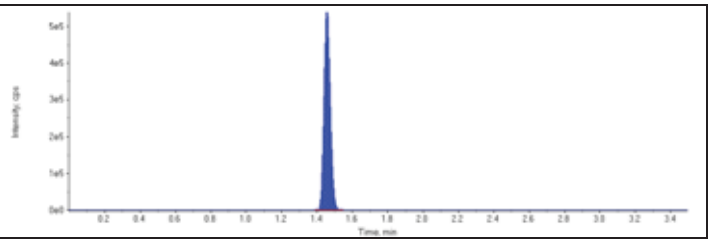
M2 8:2 FTS (Internal Standard)

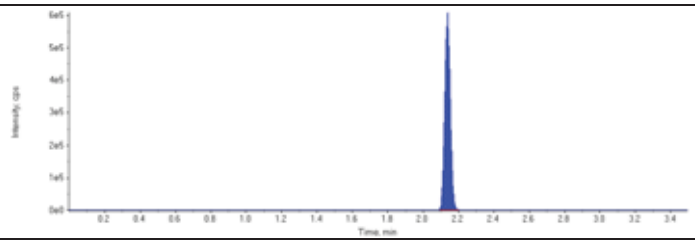
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

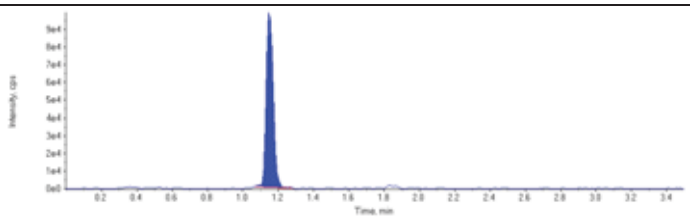
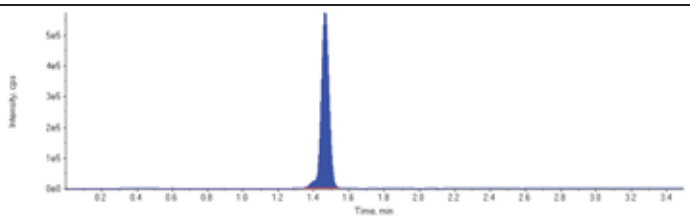
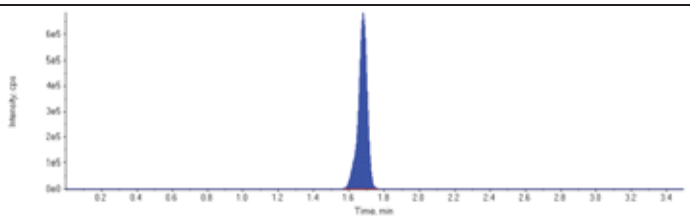
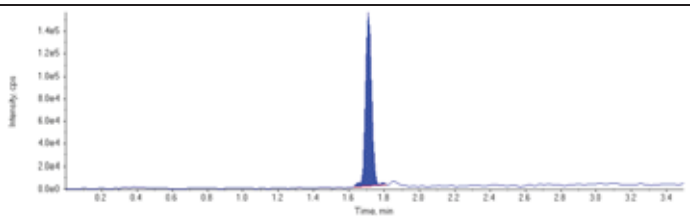
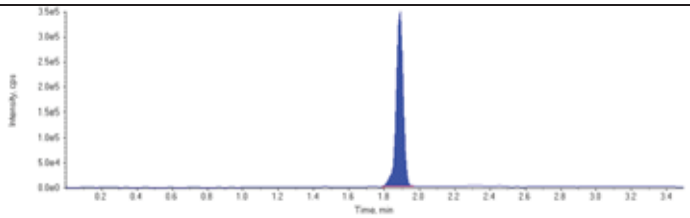
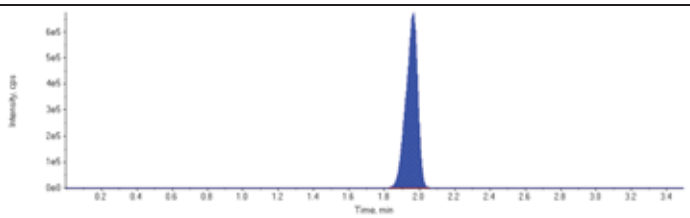


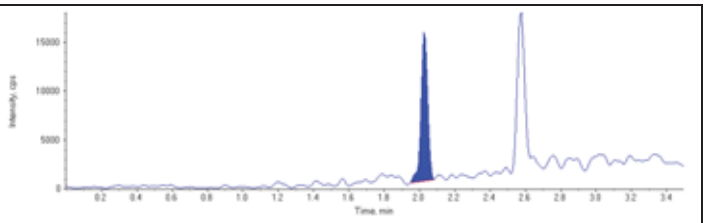
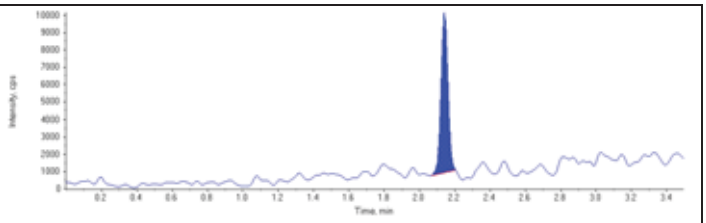
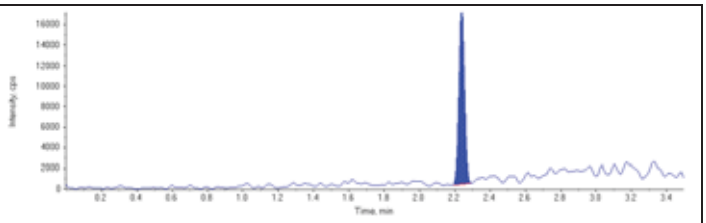
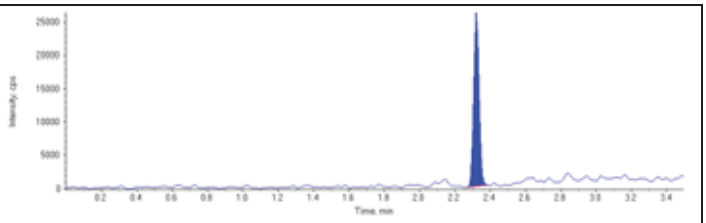
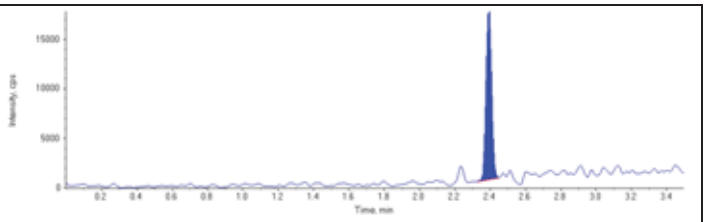
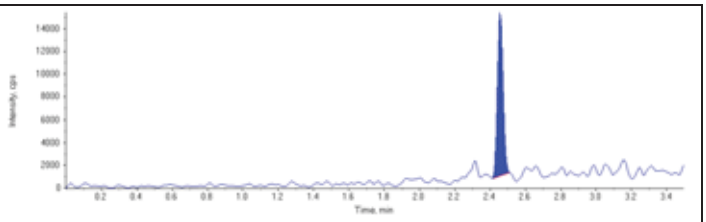
13C6-PFHxA IS (Internal Standard)

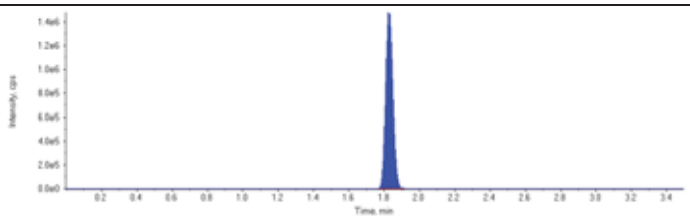
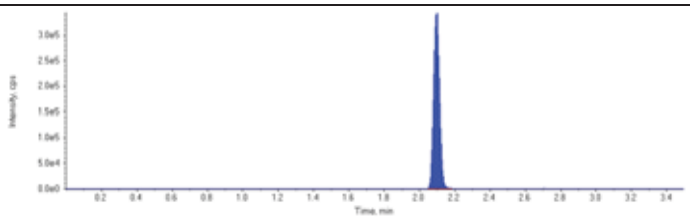
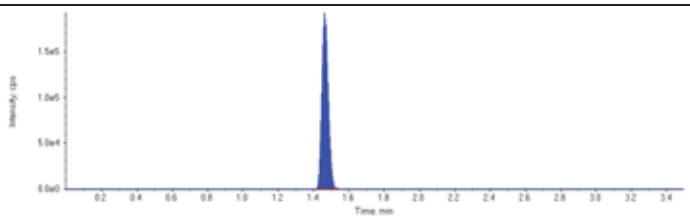
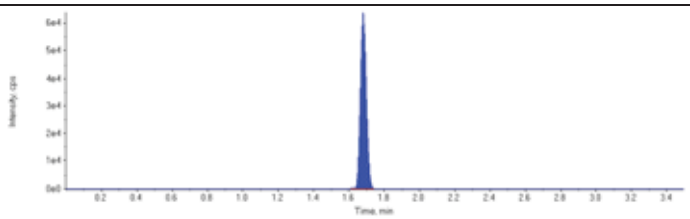
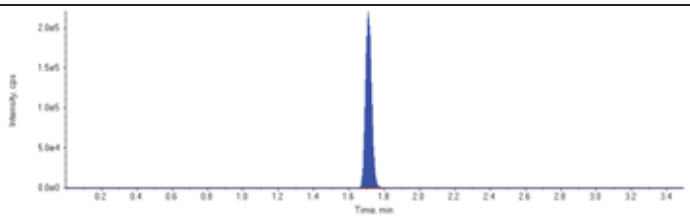
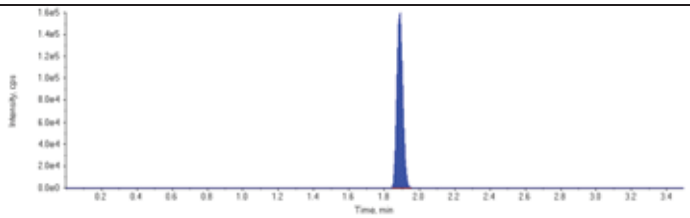
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

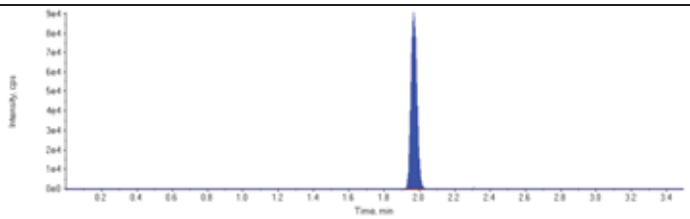
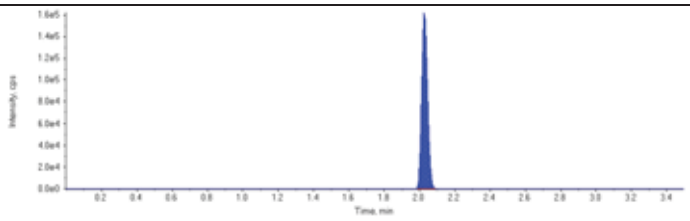
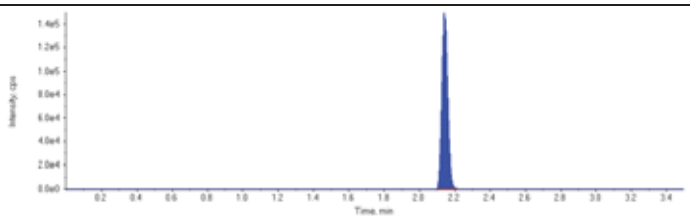
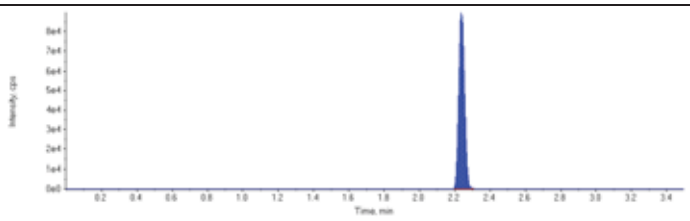
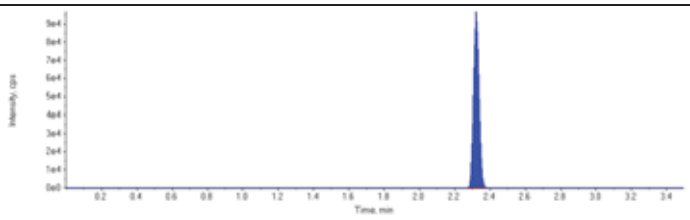
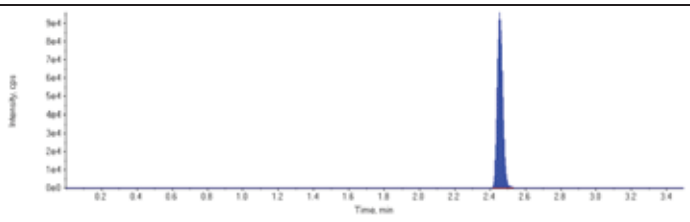


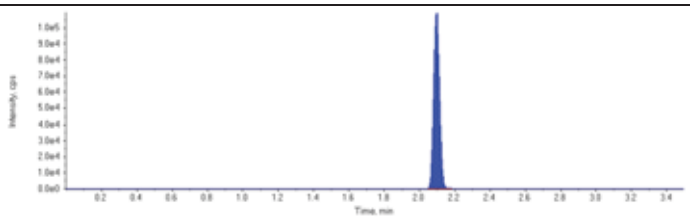
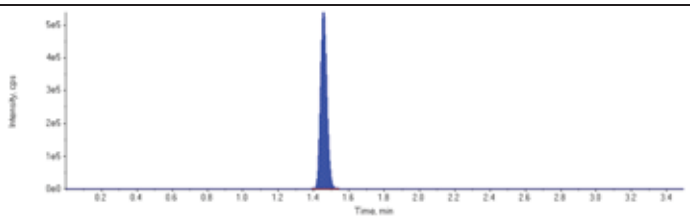
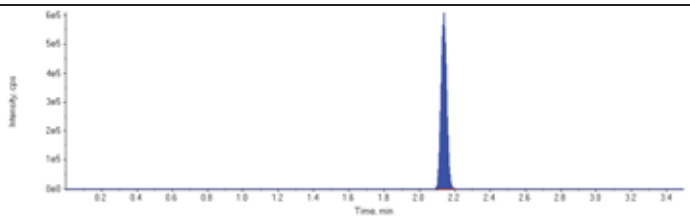
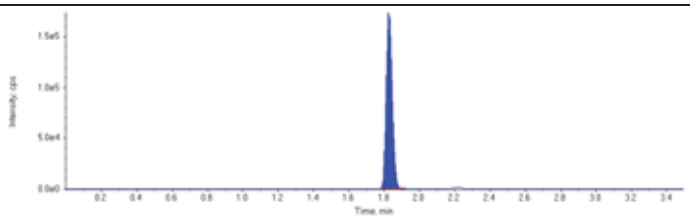
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.44 µg/L Area Ratio: 1.87 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 11.0 µg/L Area Ratio: 3.73 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 26.4 µg/L Area Ratio: 15.7 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 2.30 µg/L Area Ratio: 0.721 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 8.16 µg/L Area Ratio: 2.50 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 40.5 µg/L Area Ratio: 15.0 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.300 µg/L Area Ratio: 0.105 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.268 µg/L Area Ratio: 0.0721 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 0.730 µg/L Area Ratio: 0.186 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 0.811 µg/L Area Ratio: 0.262 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 0.471 µg/L Area Ratio: 0.195 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 0.575 µg/L Area Ratio: 0.161 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 46.0 µg/L Area Ratio: 10.2 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 8.43 µg/L Area Ratio: 3.13 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 96.8 µg/L Area Ratio: 0.341 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 94.2 µg/L Area Ratio: 0.105 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 94.7 µg/L Area Ratio: 0.363 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 88.9 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 105. µg/L Area Ratio: 0.147 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 88.1 µg/L Area Ratio: 0.272 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 81.6 µg/L Area Ratio: 0.264 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 65.7 µg/L Area Ratio: 0.154 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 73.9 µg/L Area Ratio: 0.159 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.45 (2.46) min Calculated Conc: 66.7 µg/L Area Ratio: 0.149 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 94.0 µg/L Area Ratio: 0.188 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 125. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 134. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 101. µg/L Area Ratio: 0.299 Sample Type: (Unknown)	

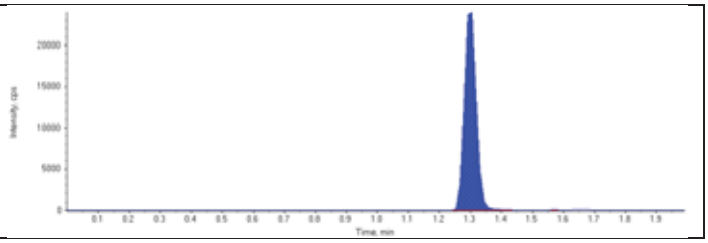
Sample ID	4872075~DXR292-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	35
Acquisition Date	2017/03/03 6:40:31 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	65700.	1.30	1.00	-
D5-EtFOSAA IS	62700.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	26800	1.30	N/A	1.10	N/A
EtFOSAA 1	26700	1.33	N/A	1.35	N/A
13C9-PFDA	773000	0.961	N/A	99.8	N/A

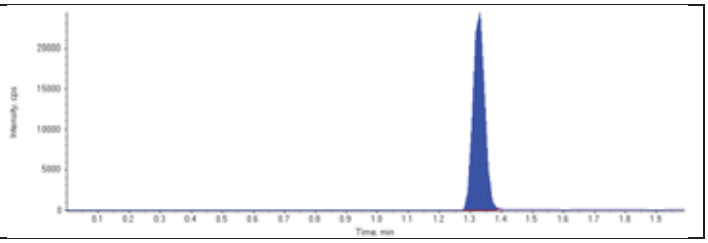
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

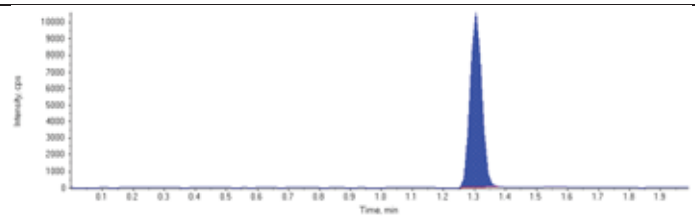
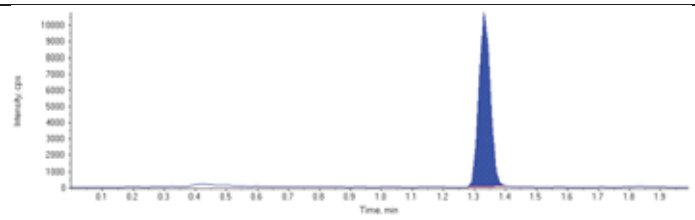
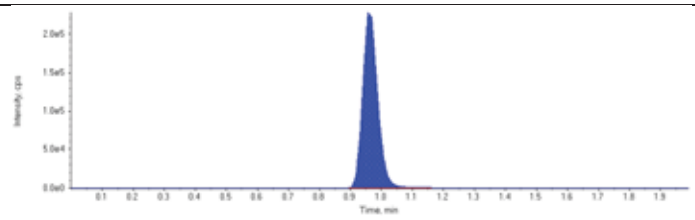
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.30 (1.28) min Calculated Conc: 1.10 µg/L Area Ratio: 0.408 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 1.35 µg/L Area Ratio: 0.426 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.961 (0.855) min Calculated Conc: 99.8 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

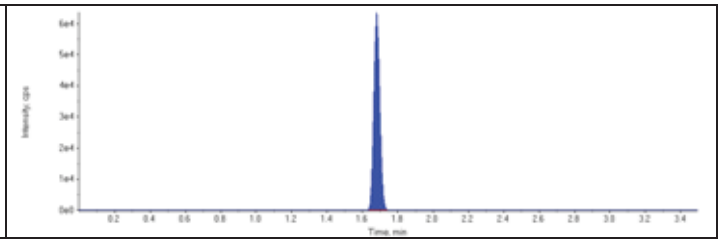
Sample ID	4872075~DXR292-01:D1:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	24
Acquisition Date	2017/03/09 10:32:29 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	147000.	1.68	1.00	-
MPFHxA	381000.	1.46	1.00	-
MPFHpA	459000.	1.71	1.00	-
MPFOA	374000.	1.89	1.00	-
MPFOS	181000.	1.97	1.00	-
MPFNA	379000.	2.03	1.00	-
MPFDA	378000.	2.14	1.00	-
MPFUnA	227000.	2.24	1.00	-
MPFDoA	226000.	2.32	1.00	-
MPFTeDA	187000.	2.45	1.00	-
M2 6:2 FTS	407000.	1.83	1.00	-
M2 8:2 FTS	259000.	2.09	1.00	-
13C6-PFHxA IS	1420000.	1.45	0.833	-
13C9-PFDA IS	1170000.	2.13	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	262000	1.15	N/A	2.33	N/A
PFHxA 1	1680000	1.46	N/A	13.0	N/A
PFHxS 1	2180000	1.68	N/A	24.8	N/A
PFHpA 1	325000	1.71	N/A	2.26	N/A
PFOA 1	830000	1.89	N/A	7.22	N/A
PFOS 1	3030000	1.96	N/A	45.2	N/A
PFNA 1	36300	2.03	N/A	0.269	N/A
PFDA 1	13700	2.14	N/A	0.149	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	4030000	1.83	N/A	44.7	N/A
8:2-FTS 1	724000	2.09	N/A	7.50	N/A
13C2-PFHxA	381000	1.46	N/A	76.1	N/A
18O2-PFHxS	147000	1.68	N/A	92.6	N/A
13C4-PFHpA	459000	1.71	N/A	84.2	N/A
13C4-PFOA	374000	1.89	N/A	87.3	N/A
13C4-PFOS	181000	1.97	N/A	90.5	N/A
13C5-PFNA	379000	2.03	N/A	86.2	N/A
13C2-PFDA	378000	2.14	N/A	100.	N/A
13C2-PFUnA	227000	2.24	N/A	83.2	N/A
13C2-PFDoA	226000	2.32	N/A	90.0	N/A
13C2-PFTeDA	187000	2.45	N/A	71.5	N/A
13C2-8:2 FTS	259000	2.09	N/A	91.3	N/A
13C6-PFHxA	1420000	1.45	N/A	128.	N/A
13C9-PFDA	1170000	2.13	N/A	118.	N/A
13C2-6:2-FTS	407000	1.83	N/A	96.8	N/A

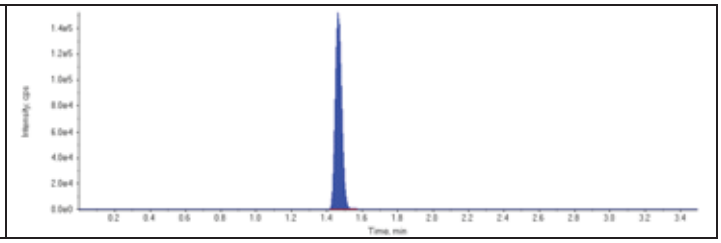
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



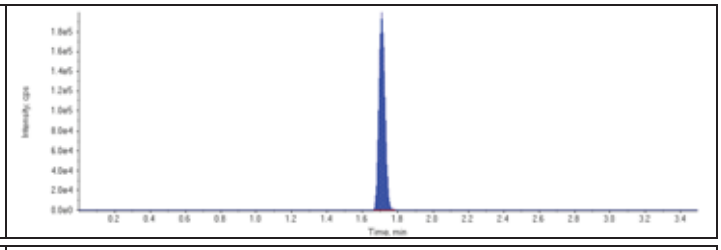
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



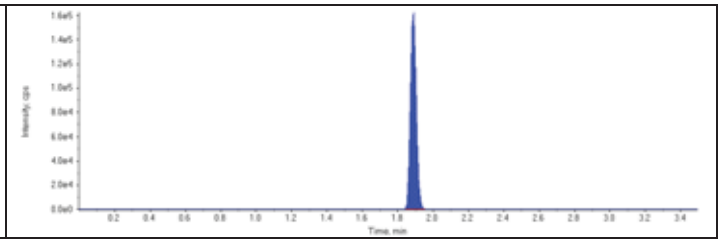
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



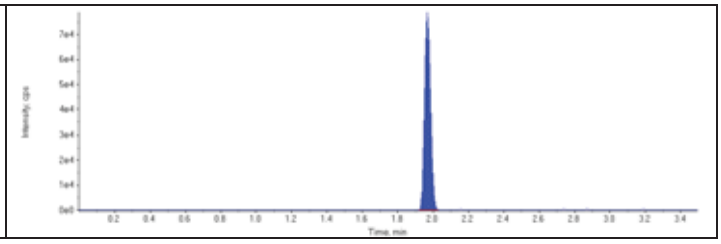
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



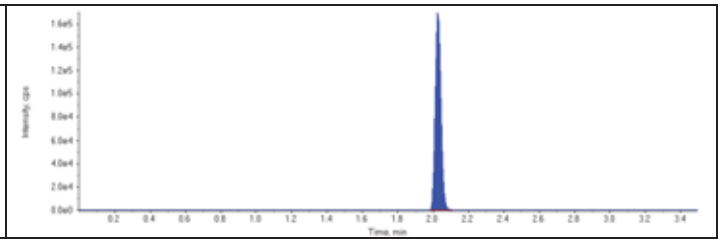
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



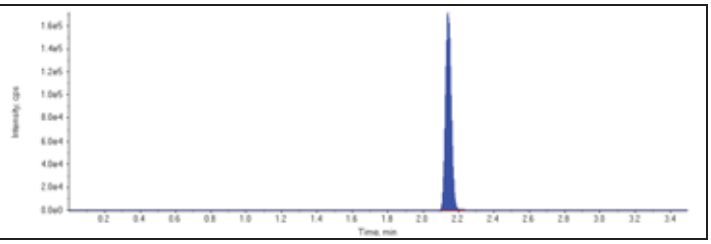
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



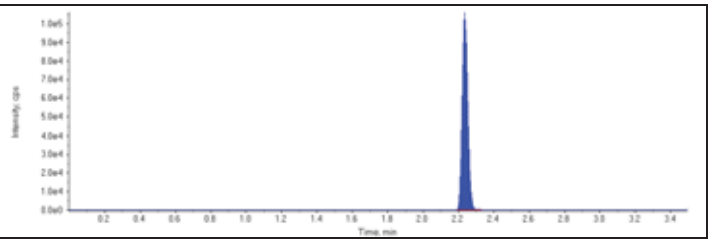
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



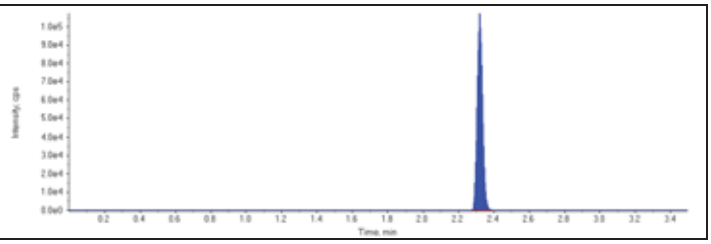
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



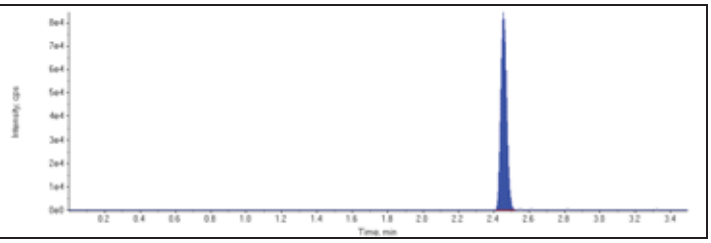
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



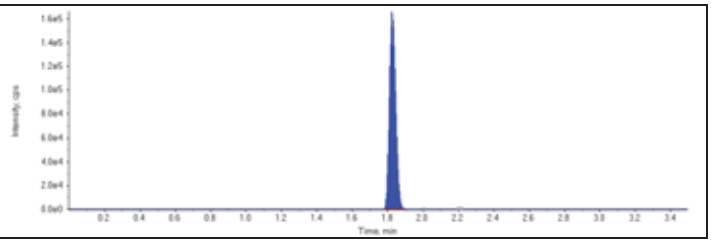
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.45(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



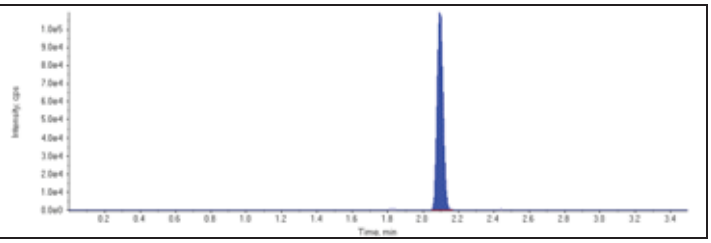
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



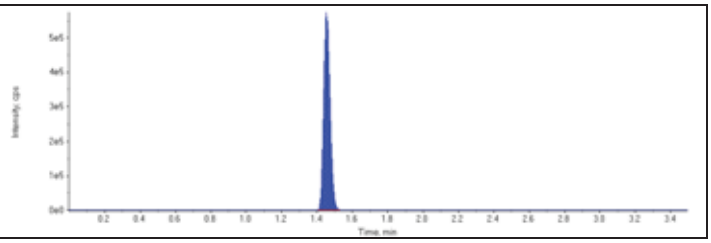
M2 8:2 FTS (Internal Standard)

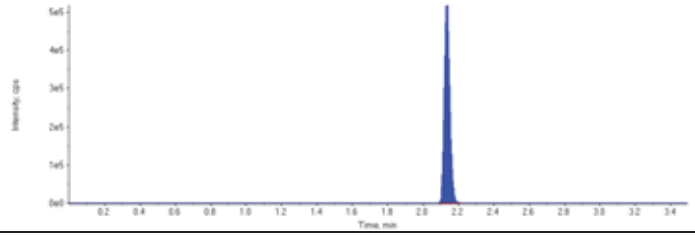
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

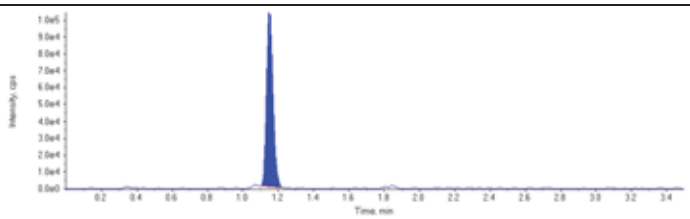
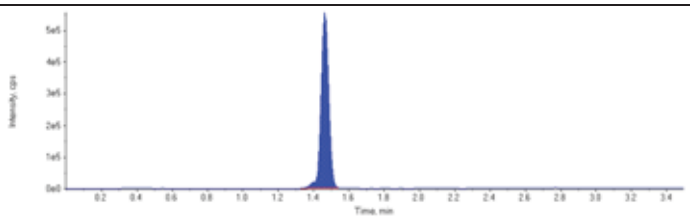
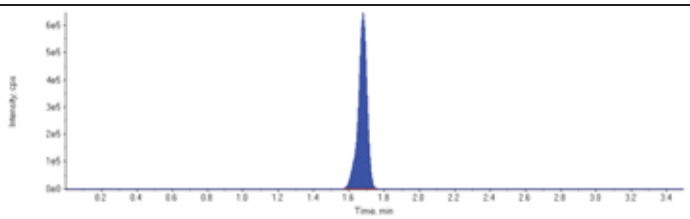
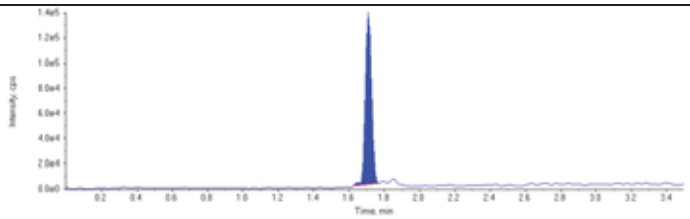
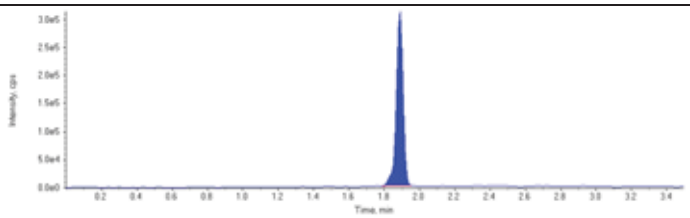
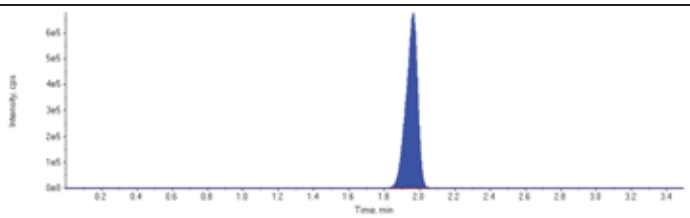


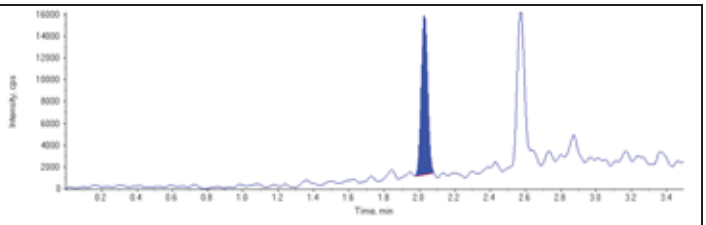
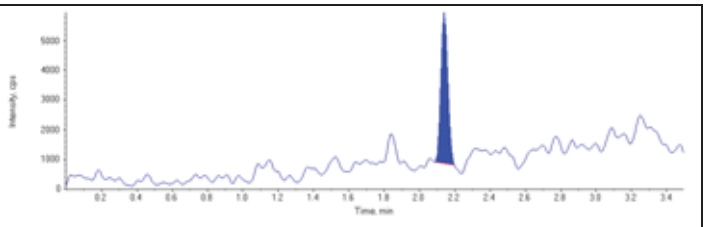
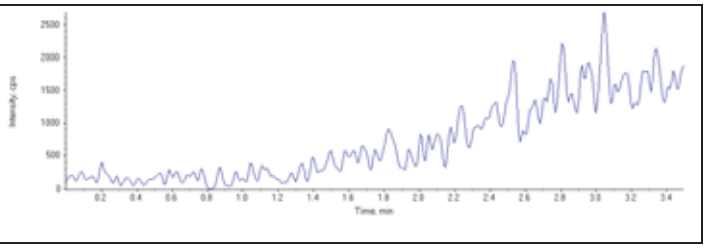
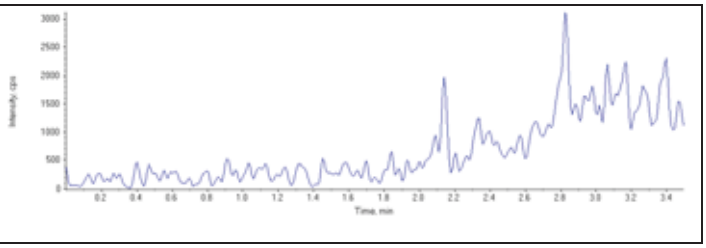
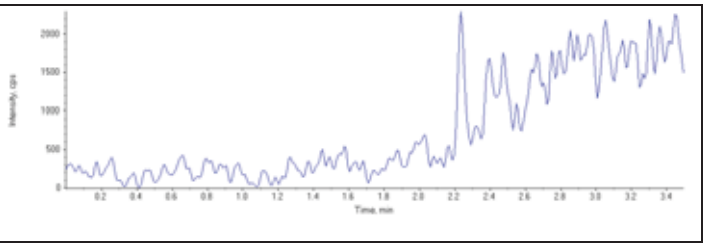
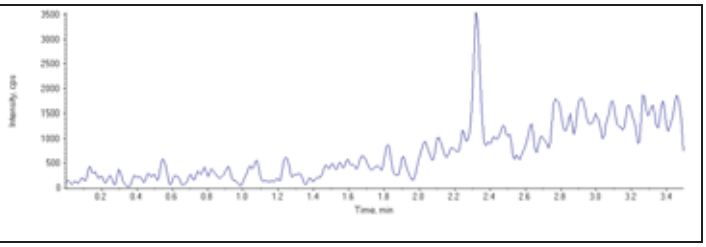
13C6-PFHxA IS (Internal Standard)

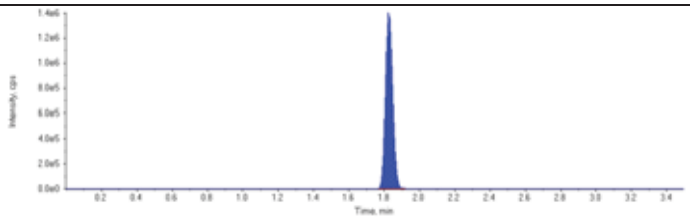
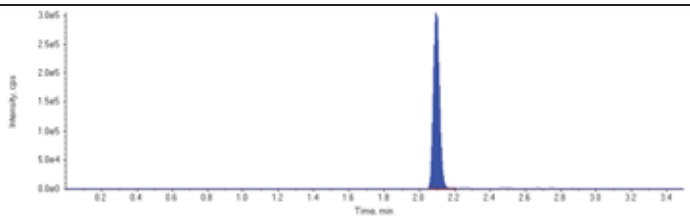
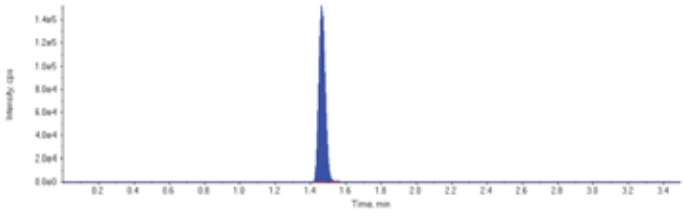
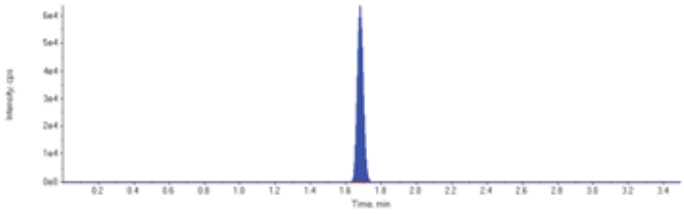
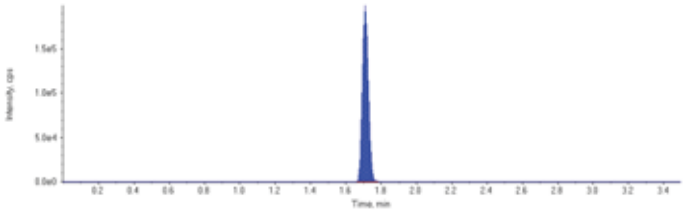
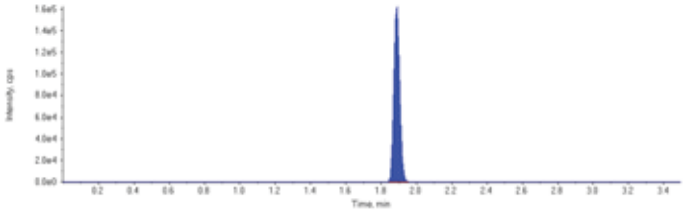
RT (Exp. RT): 1.45(1.48) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

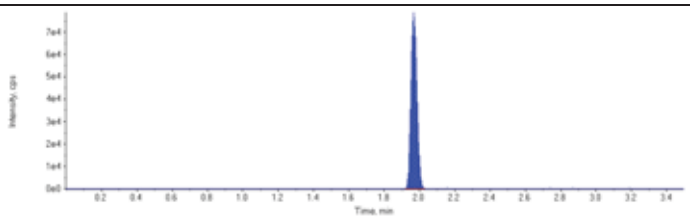
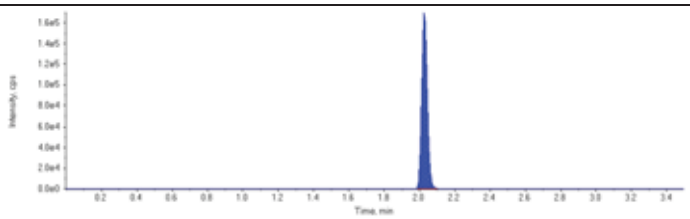
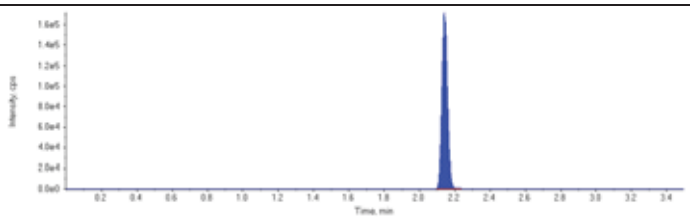
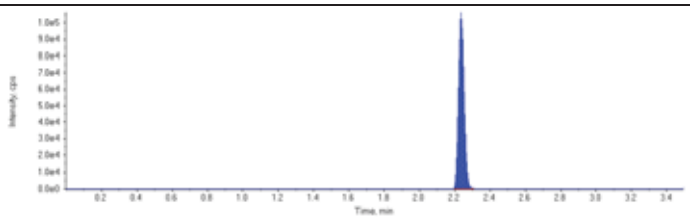
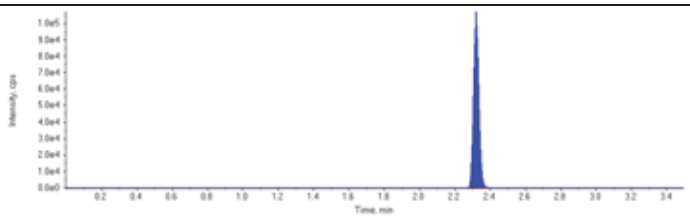
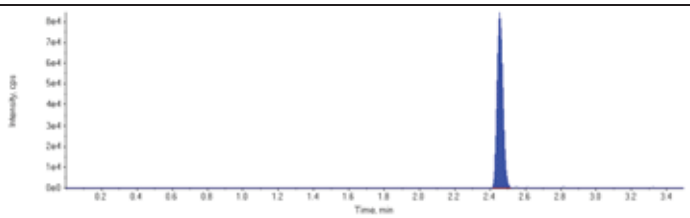


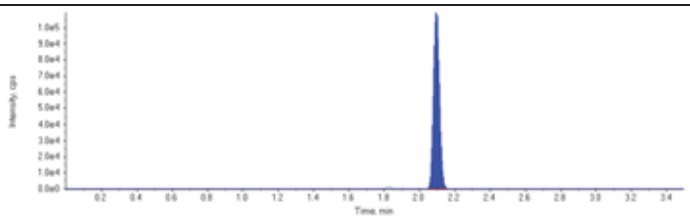
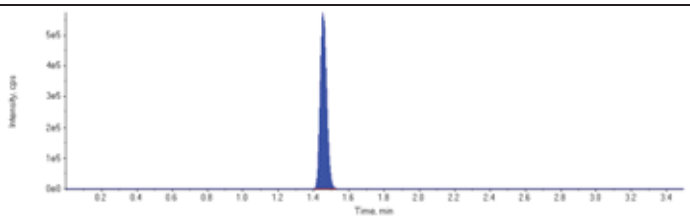
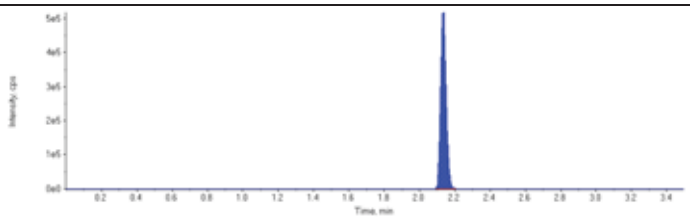
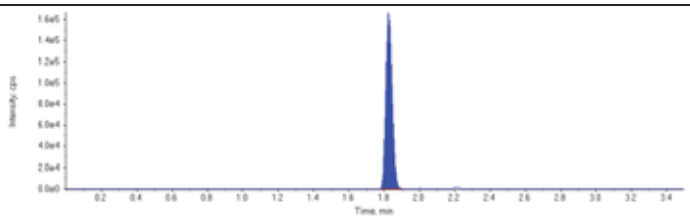
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.13(2.13) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.33 µg/L Area Ratio: 1.78 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 13.0 µg/L Area Ratio: 4.39 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 24.8 µg/L Area Ratio: 14.8 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 2.26 µg/L Area Ratio: 0.708 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 7.22 µg/L Area Ratio: 2.22 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 45.2 µg/L Area Ratio: 16.8 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.269 µg/L Area Ratio: 0.0960 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.149 µg/L Area Ratio: 0.0362 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 44.7 µg/L Area Ratio: 9.90 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 7.50 µg/L Area Ratio: 2.79 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 76.1 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 92.6 µg/L Area Ratio: 0.104 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 84.2 µg/L Area Ratio: 0.323 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 87.3 µg/L Area Ratio: 0.263 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 90.5 µg/L Area Ratio: 0.127 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 86.2 µg/L Area Ratio: 0.266 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 100. µg/L Area Ratio: 0.324 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 83.2 µg/L Area Ratio: 0.195 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 90.0 µg/L Area Ratio: 0.194 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.45 (2.46) min Calculated Conc: 71.5 µg/L Area Ratio: 0.160 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 91.3 µg/L Area Ratio: 0.182 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 128. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.13 (2.13) min Calculated Conc: 118. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 96.8 µg/L Area Ratio: 0.286 Sample Type: (Unknown)	

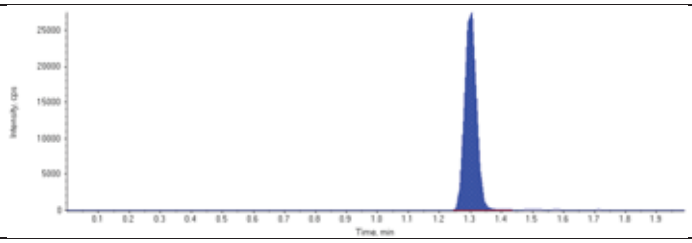
Sample ID	4872075~DXR292-01:D1:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	36
Acquisition Date	2017/03/03 6:43:04 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	73000.	1.30	1.00	-
D5-EtFOSAA IS	68500.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	789000	0.969	N/A	102.	N/A

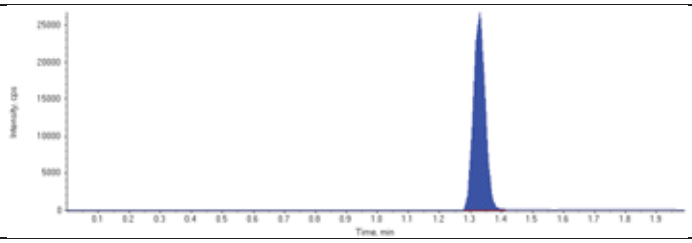
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

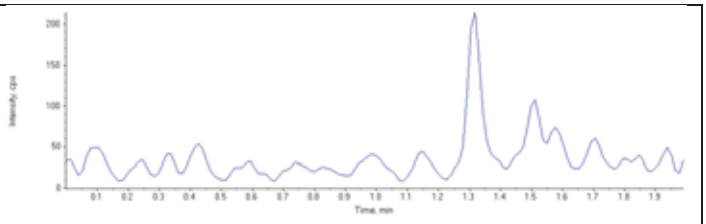
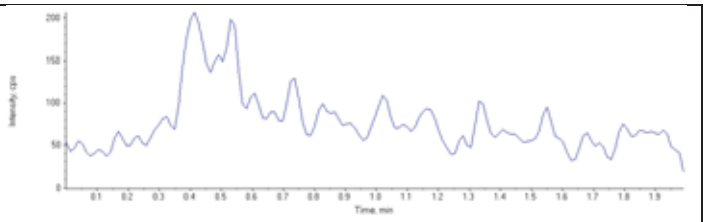
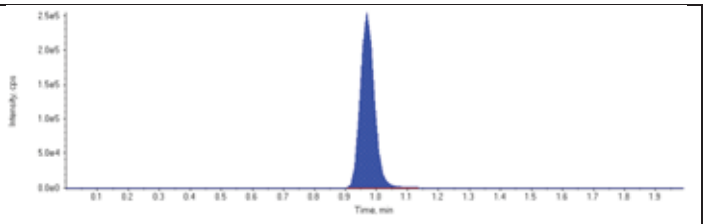
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.969 (0.855) min Calculated Conc: 102. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

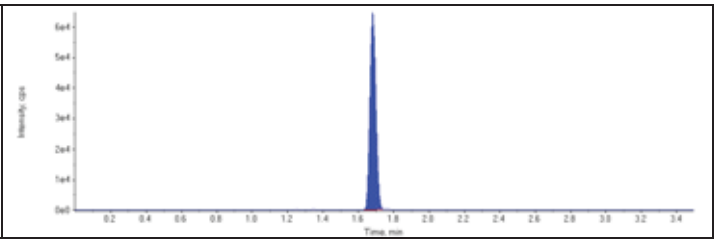
Sample ID	4872075~DXR293-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	25
Acquisition Date	2017/03/09 10:37:33 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	147000.	1.68	1.00	-
MPFHxA	465000.	1.46	1.00	-
MPFHpA	486000.	1.71	1.00	-
MPFOA	403000.	1.89	1.00	-
MPFOS	181000.	1.97	1.00	-
MPFNA	370000.	2.03	1.00	-
MPFDA	335000.	2.14	1.00	-
MPFUnA	237000.	2.24	1.00	-
MPFDoA	172000.	2.32	1.00	-
MPFTeDA	197000.	2.46	1.00	-
M2 6:2 FTS	449000.	1.83	1.00	-
M2 8:2 FTS	271000.	2.09	1.00	-
13C6-PFHxA IS	1500000.	1.45	0.833	-
13C9-PFDA IS	1260000.	2.14	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	214000	1.15	N/A	1.91	N/A
PFHxA 1	899000	1.46	N/A	5.74	N/A
PFHxS 1	1010000	1.68	N/A	11.4	N/A
PFHpA 1	110000	1.71	N/A	0.538	N/A
PFOA 1	130000	1.89	N/A	0.919	N/A
PFOS 1	744000	1.96	N/A	11.1	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	3400000	1.83	N/A	34.1	N/A
8:2-FTS 1	11000	2.10	N/A	N/A	N/A
13C2-PFHxA	465000	1.46	N/A	88.2	N/A
18O2-PFHxS	147000	1.68	N/A	88.0	N/A
13C4-PFHpA	486000	1.71	N/A	84.7	N/A
13C4-PFOA	403000	1.89	N/A	89.5	N/A
13C4-PFOS	181000	1.97	N/A	86.2	N/A
13C5-PFNA	370000	2.03	N/A	80.1	N/A
13C2-PFDA	335000	2.14	N/A	82.0	N/A
13C2-PFUnA	237000	2.24	N/A	80.0	N/A
13C2-PFDoA	172000	2.32	N/A	63.0	N/A
13C2-PFTeDA	197000	2.46	N/A	69.7	N/A
13C2-8:2 FTS	271000	2.09	N/A	90.6	N/A
13C6-PFHxA	1500000	1.45	N/A	134.	N/A
13C9-PFDA	1260000	2.14	N/A	128.	N/A
13C2-6:2-FTS	449000	1.83	N/A	101.	N/A

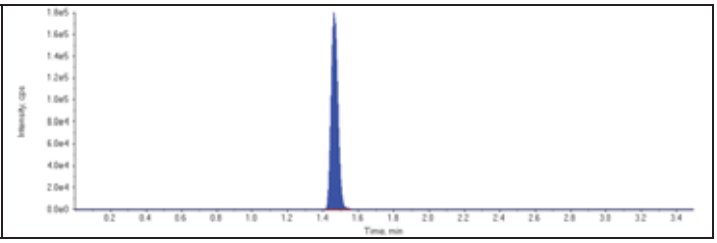
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



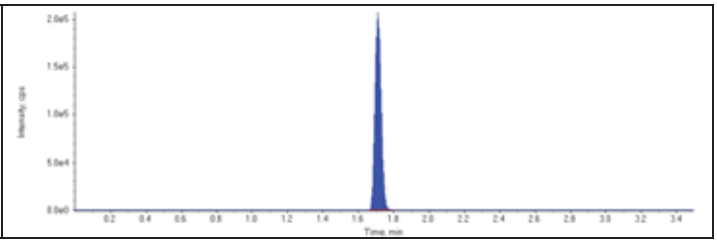
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



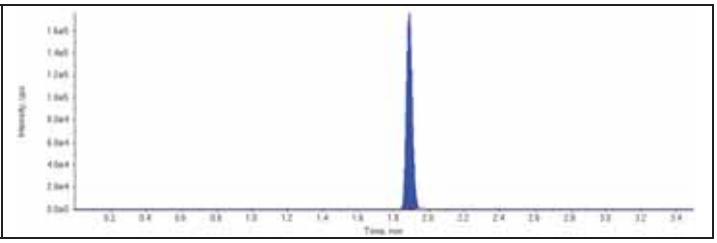
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



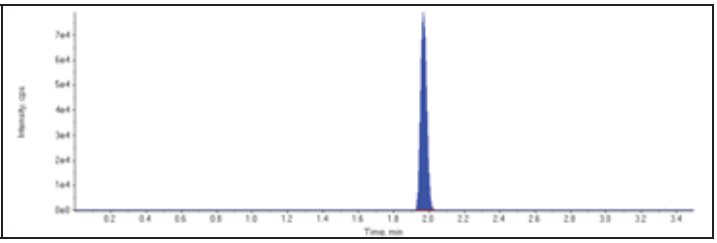
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



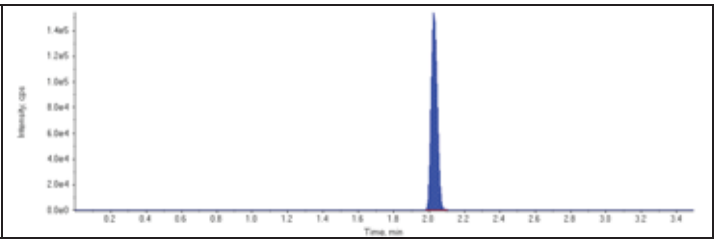
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



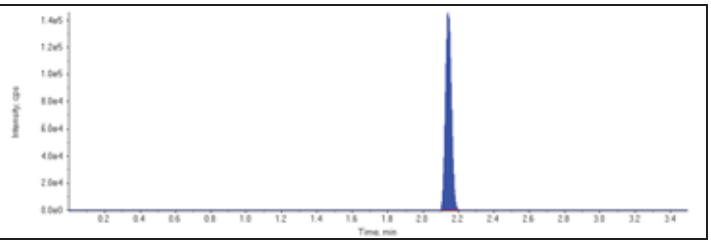
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



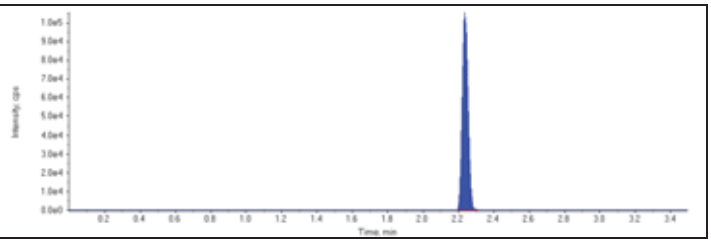
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



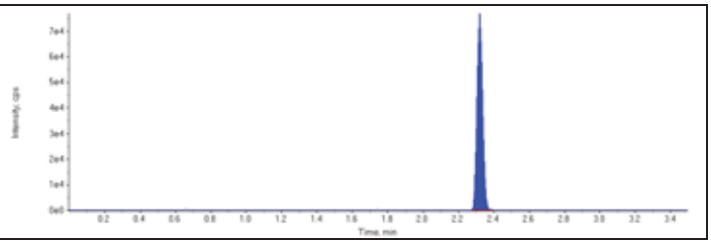
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



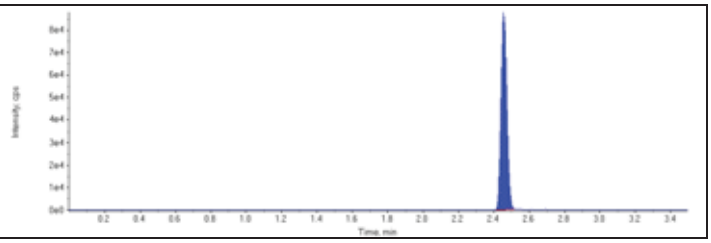
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



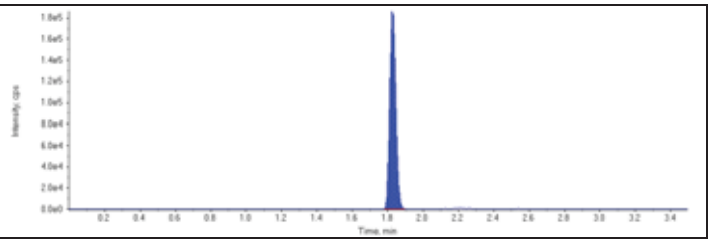
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



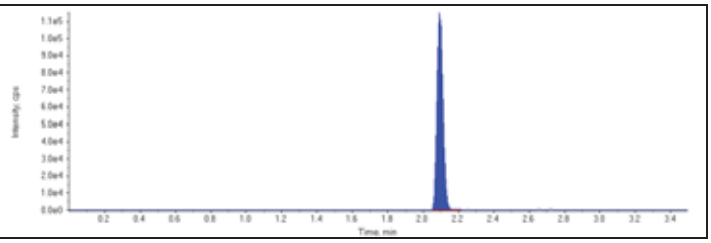
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



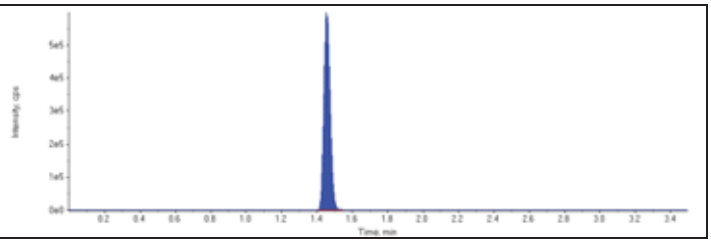
M2 8:2 FTS (Internal Standard)

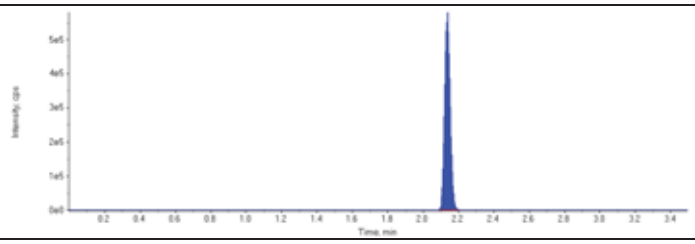
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

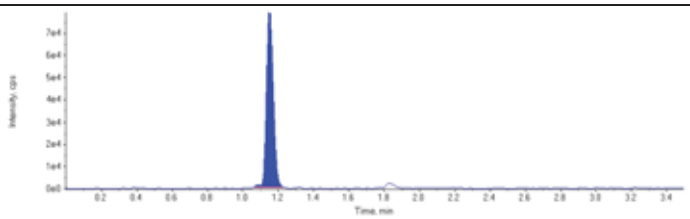
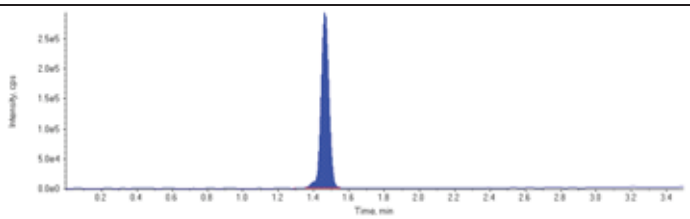
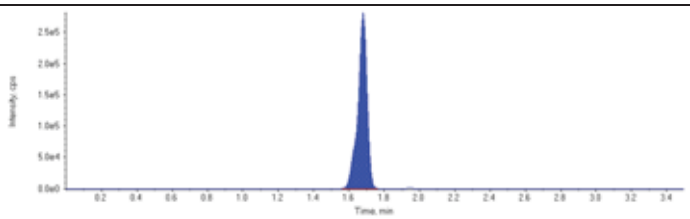
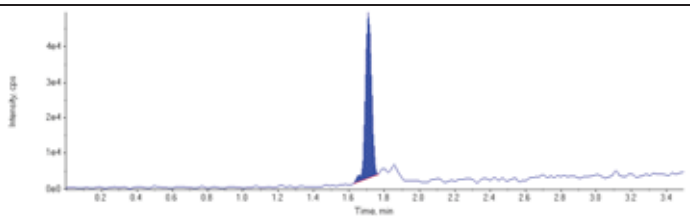
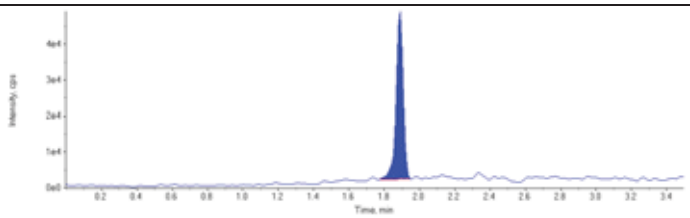
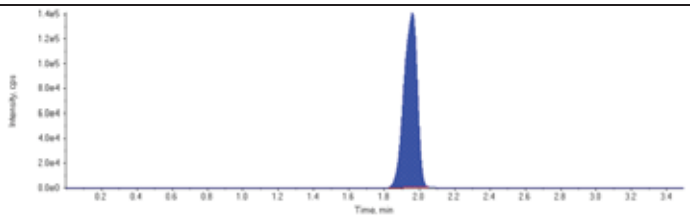


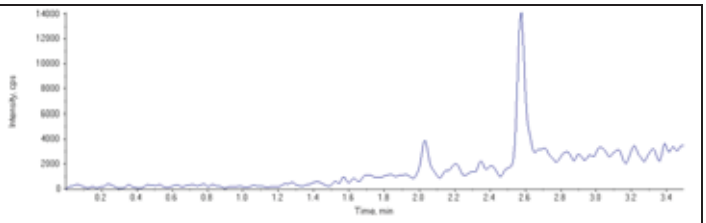
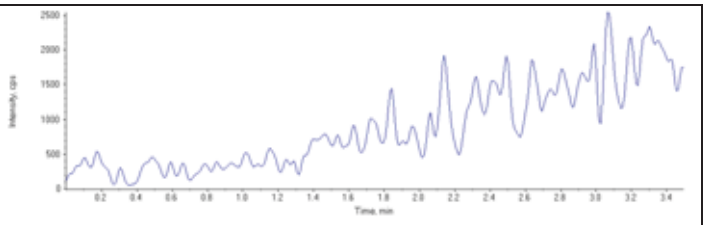
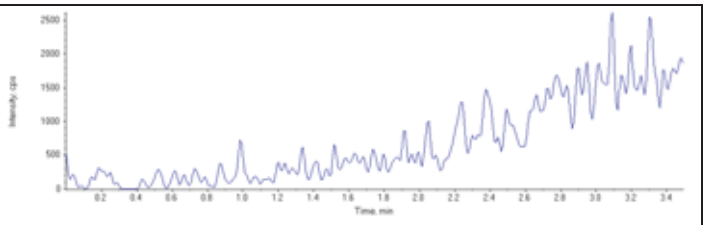
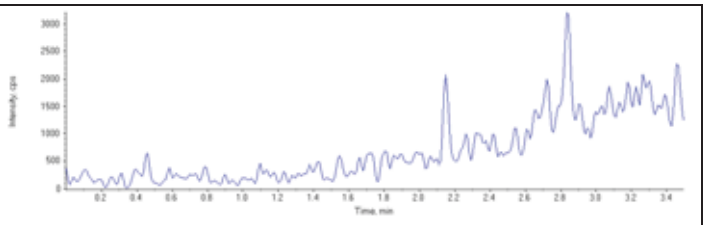
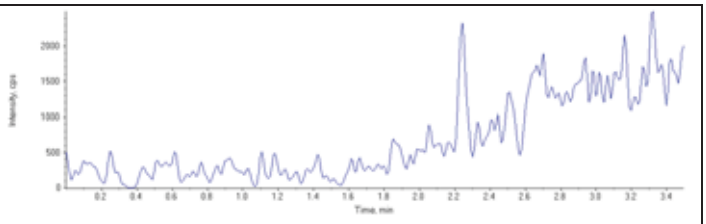
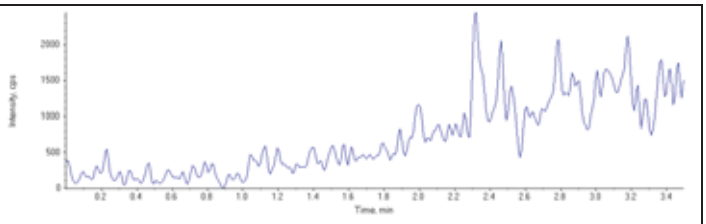
13C6-PFHxA IS (Internal Standard)

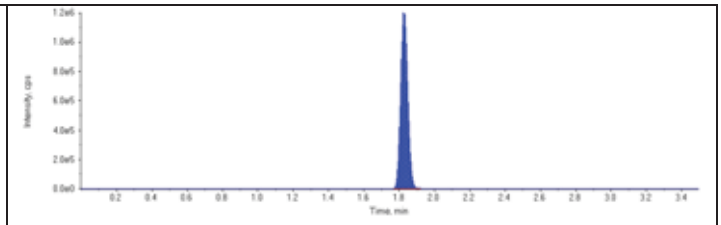
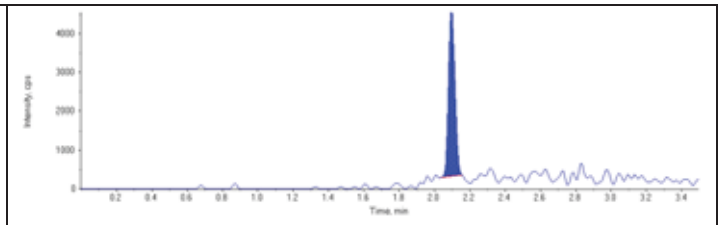
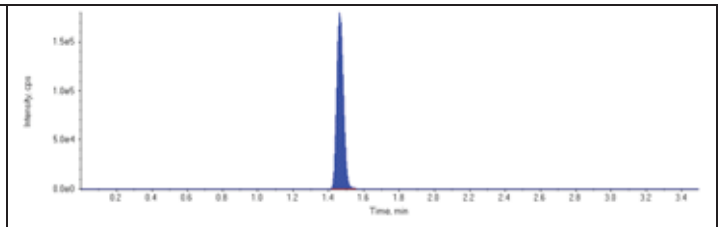
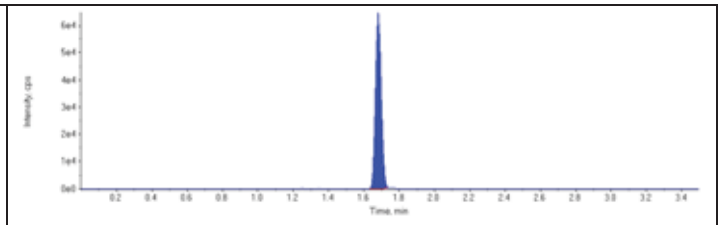
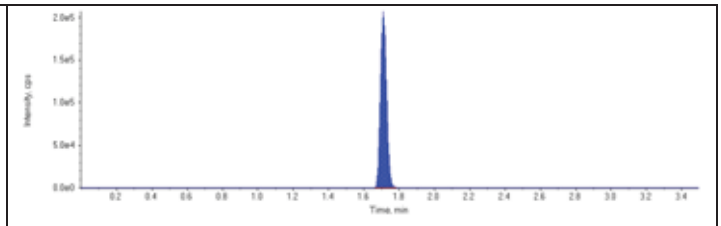
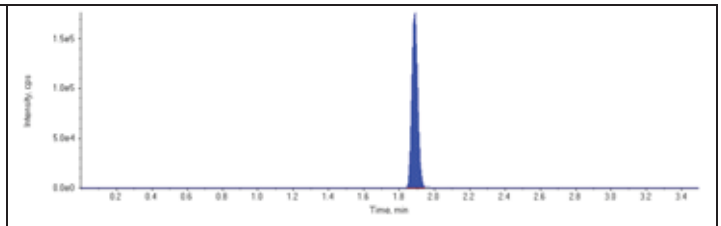
RT (Exp. RT): 1.45(1.48) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

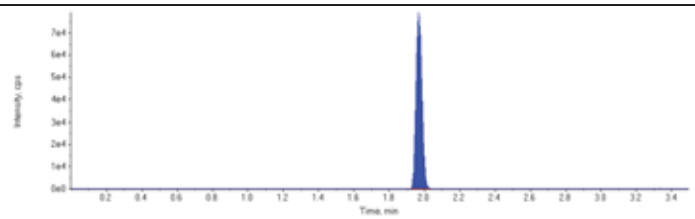
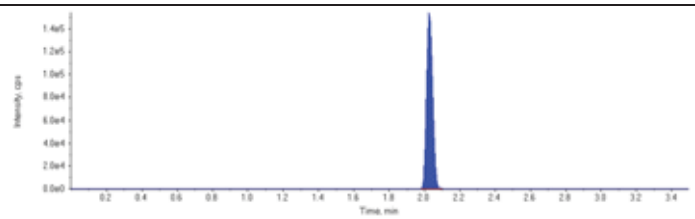
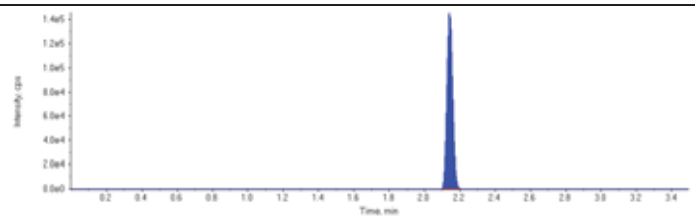
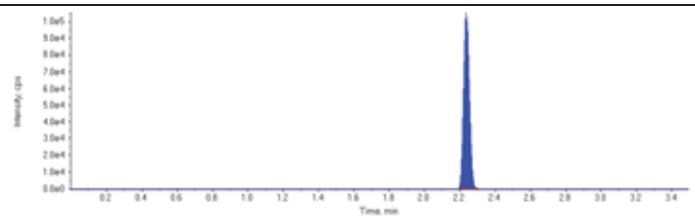
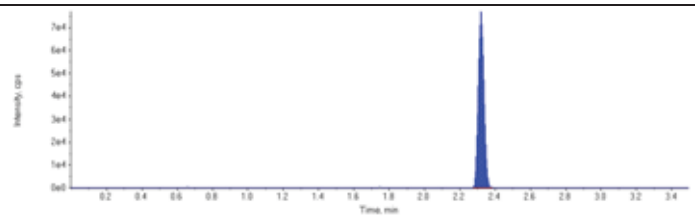
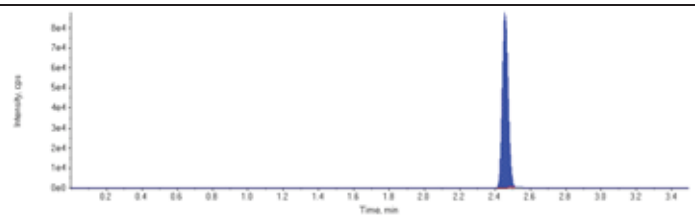


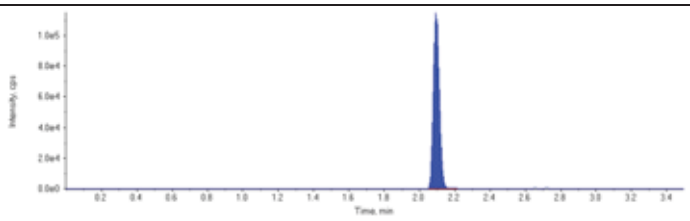
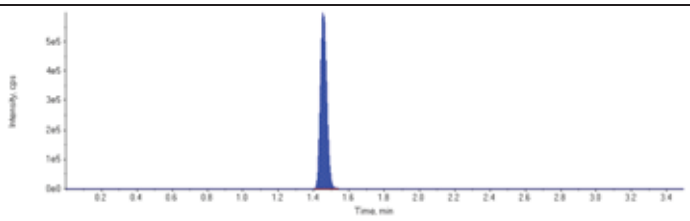
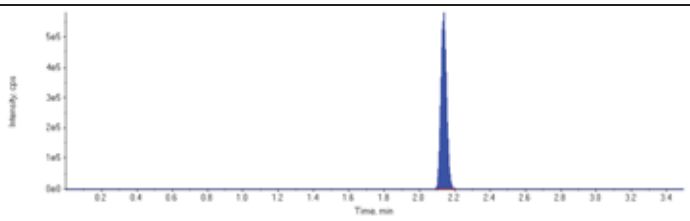
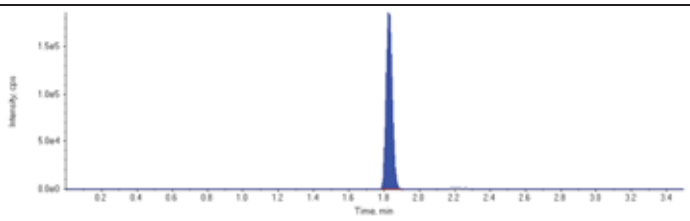
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.91 µg/L Area Ratio: 1.45 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 5.74 µg/L Area Ratio: 1.93 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 11.4 µg/L Area Ratio: 6.82 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 0.538 µg/L Area Ratio: 0.228 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 0.919 µg/L Area Ratio: 0.322 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 11.1 µg/L Area Ratio: 4.11 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.02) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 34.1 µg/L Area Ratio: 7.57 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: N/A µg/L Area Ratio: 0.0407 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 88.2 µg/L Area Ratio: 0.311 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 88.0 µg/L Area Ratio: 0.0985 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 84.7 µg/L Area Ratio: 0.324 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 89.5 µg/L Area Ratio: 0.269 Sample Type: (Unknown)	

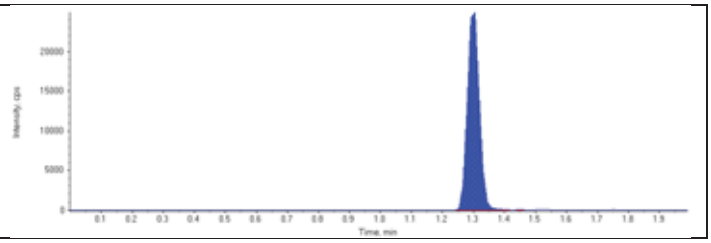
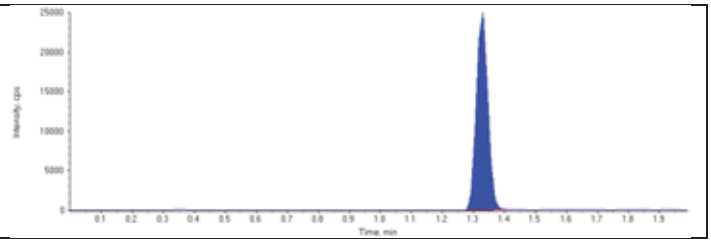
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 86.2 µg/L Area Ratio: 0.121 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 80.1 µg/L Area Ratio: 0.247 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 82.0 µg/L Area Ratio: 0.265 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 80.0 µg/L Area Ratio: 0.187 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 63.0 µg/L Area Ratio: 0.136 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 69.7 µg/L Area Ratio: 0.156 Sample Type: (Unknown)	

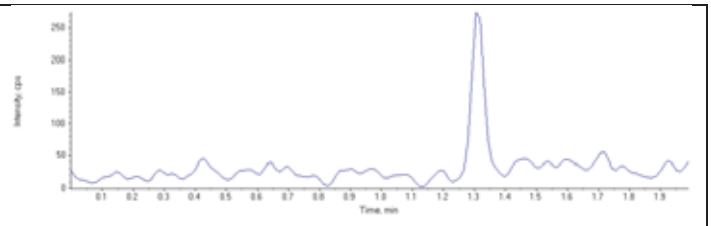
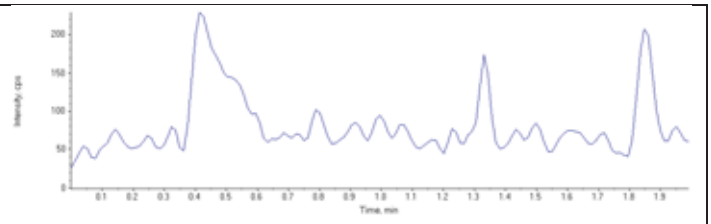
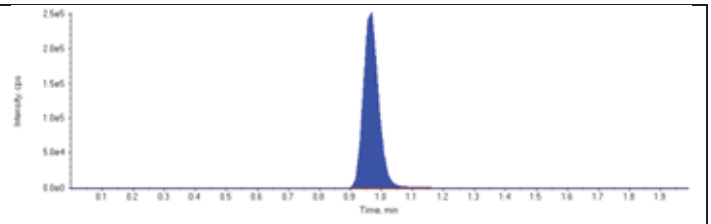
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 90.6 µg/L Area Ratio: 0.181 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 134. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 128. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 101. µg/L Area Ratio: 0.300 Sample Type: (Unknown)	

Sample ID	4872075~DXR293-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	37
Acquisition Date	2017/03/03 6:45:38 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	67200.	1.30	1.00	-
D5-EtFOSAA IS	63900.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	852000	0.964	N/A	110.	N/A

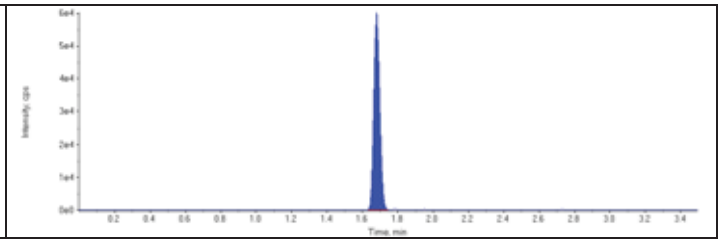
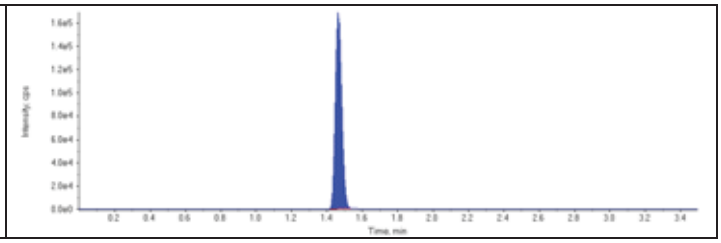
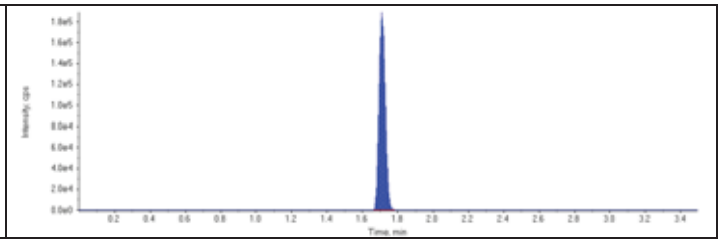
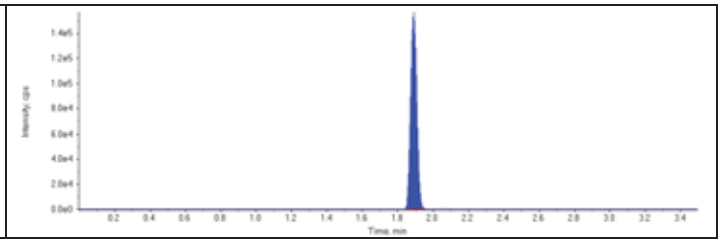
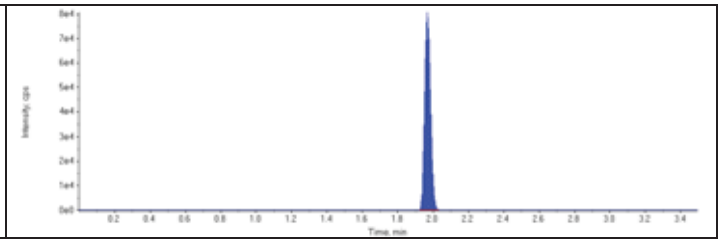
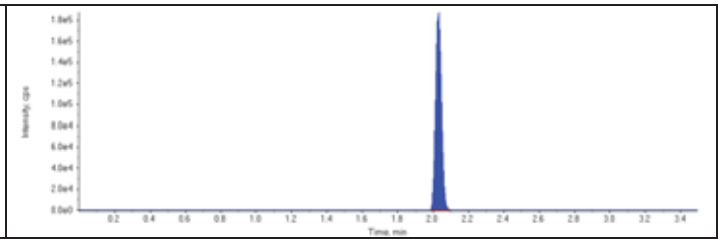
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.964 (0.855) min Calculated Conc: 110. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR294-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	26
Acquisition Date	2017/03/09 10:42:38 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only		

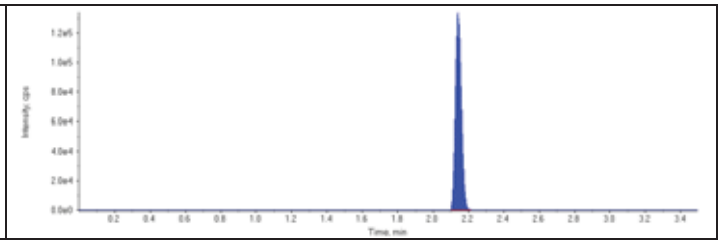
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	140000.	1.68	1.00	-
MPFHxA	422000.	1.46	1.00	-
MPFHpA	453000.	1.71	1.00	-
MPFOA	367000.	1.89	1.00	-
MPFOS	182000.	1.97	1.00	-
MPFNA	432000.	2.03	1.00	-
MPFDA	314000.	2.14	1.00	-
MPFUnA	245000.	2.24	1.00	-
MPFDoA	191000.	2.32	1.00	-
MPFTeDA	216000.	2.46	1.00	-
M2 6:2 FTS	356000.	1.83	1.00	-
M2 8:2 FTS	281000.	2.10	1.00	-
13C6-PFHxA IS	1390000.	1.46	0.833	-
13C9-PFDA IS	1260000.	2.14	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	331000	1.15	N/A	3.07	N/A
PFHxA 1	1700000	1.47	N/A	11.9	N/A
PFHxS 1	2500000	1.68	N/A	30.0	N/A
PFHpA 1	283000	1.71	N/A	1.96	N/A
PFOA 1	997000	1.89	N/A	8.88	N/A
PFOS 1	1690000	1.96	N/A	25.0	N/A
PFNA 1	29100	2.03	N/A	0.170	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	3060000	1.83	N/A	38.8	N/A
8:2-FTS 1	143000	2.10	N/A	1.15	N/A
13C2-PFHxA	422000	1.46	N/A	86.3	N/A
18O2-PFHxS	140000	1.68	N/A	90.1	N/A
13C4-PFHpA	453000	1.71	N/A	85.3	N/A
13C4-PFOA	367000	1.89	N/A	87.9	N/A
13C4-PFOS	182000	1.97	N/A	93.7	N/A
13C5-PFNA	432000	2.03	N/A	101.	N/A
13C2-PFDA	314000	2.14	N/A	77.3	N/A
13C2-PFUnA	245000	2.24	N/A	83.5	N/A
13C2-PFDoA	191000	2.32	N/A	70.6	N/A
13C2-PFTeDA	216000	2.46	N/A	76.9	N/A
13C2-8:2 FTS	281000	2.10	N/A	102.	N/A
13C6-PFHxA	1390000	1.46	N/A	124.	N/A
13C9-PFDA	1260000	2.14	N/A	127.	N/A
13C2-6:2-FTS	356000	1.83	N/A	86.9	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

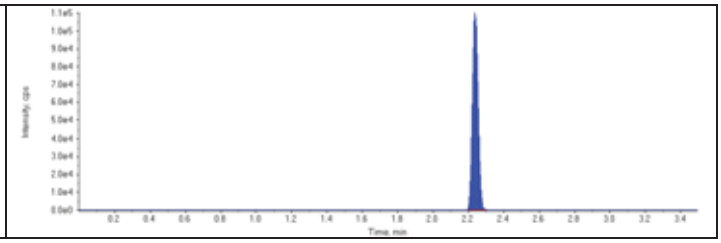
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



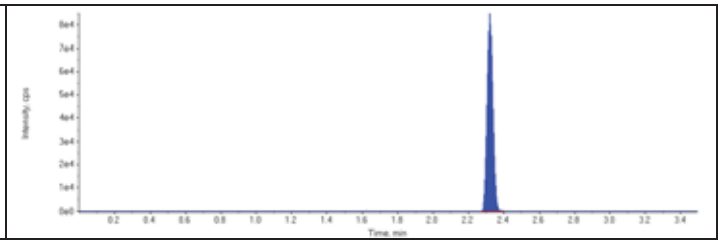
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



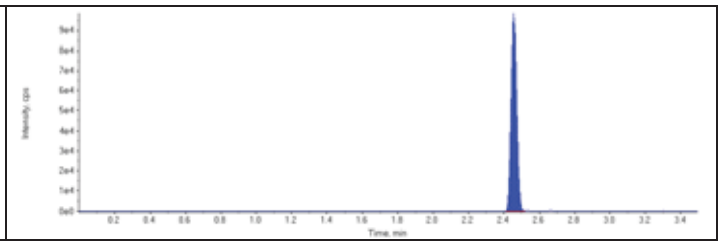
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



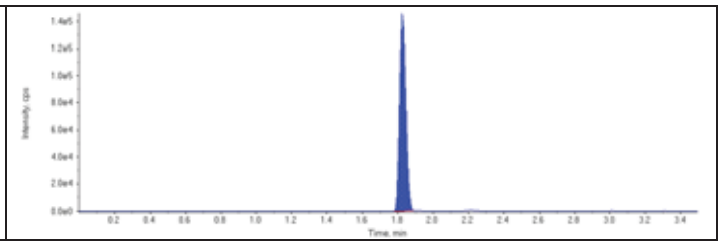
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



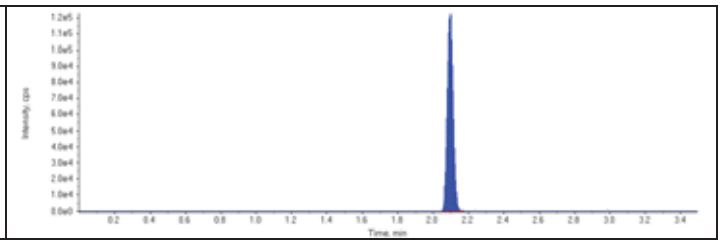
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



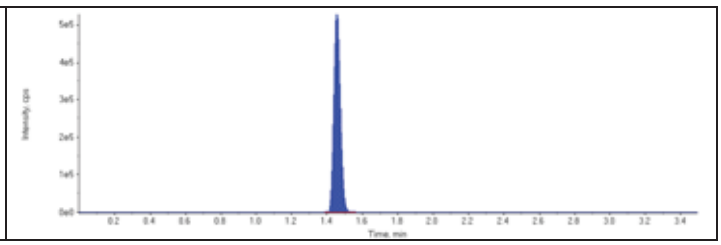
M2 8:2 FTS (Internal Standard)

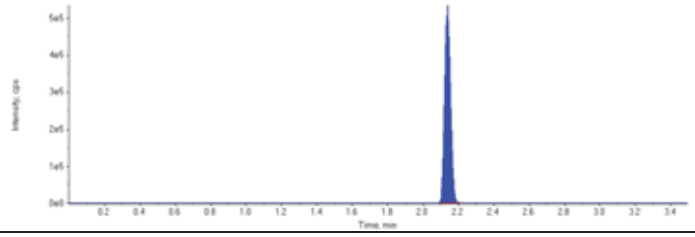
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

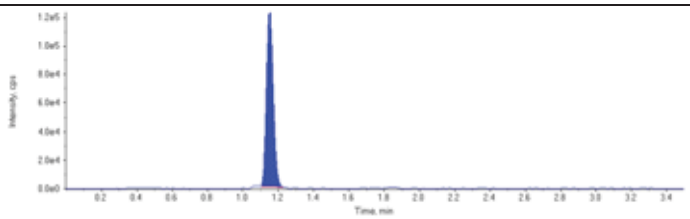
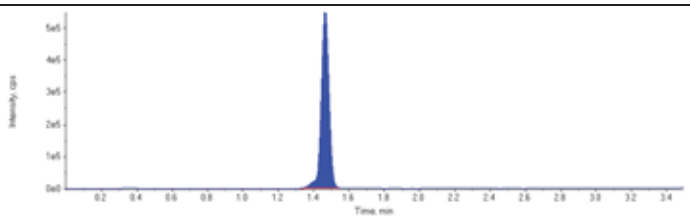
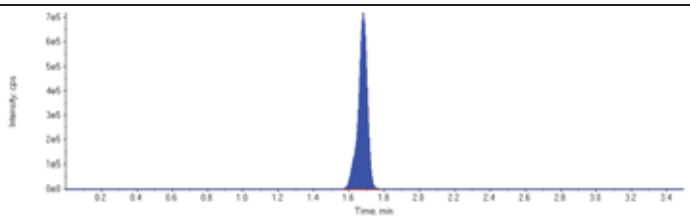
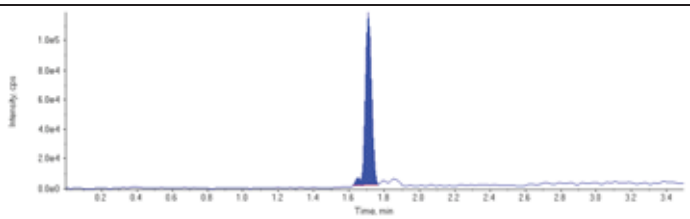
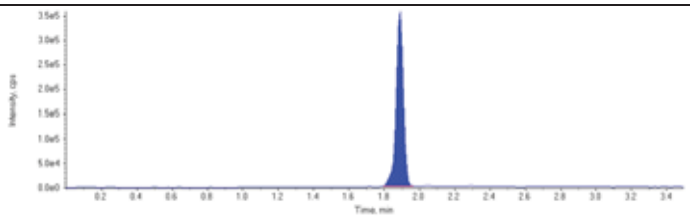
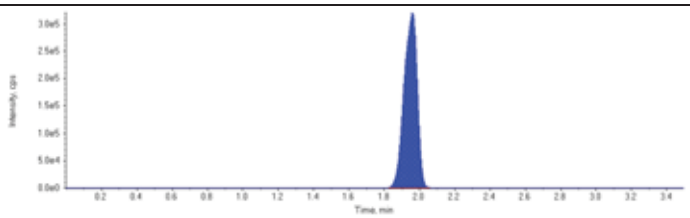


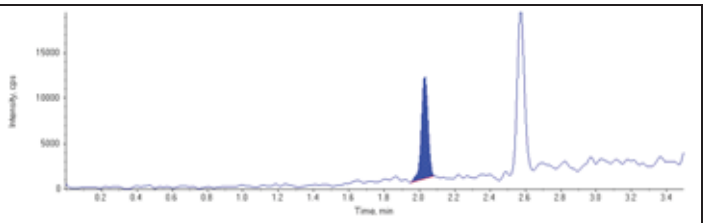
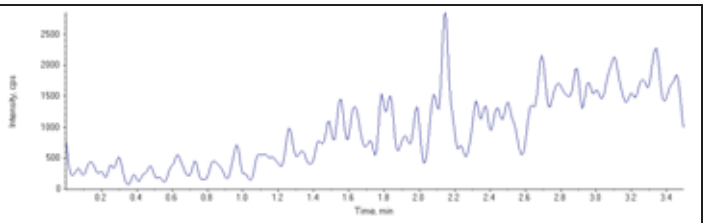
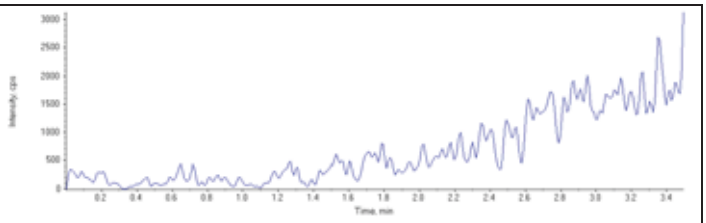
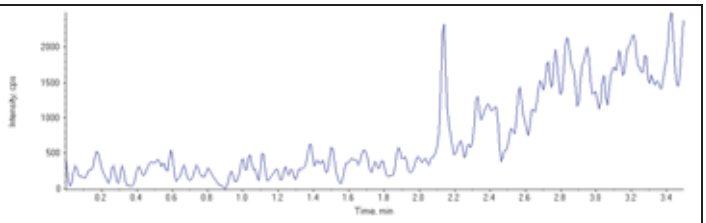
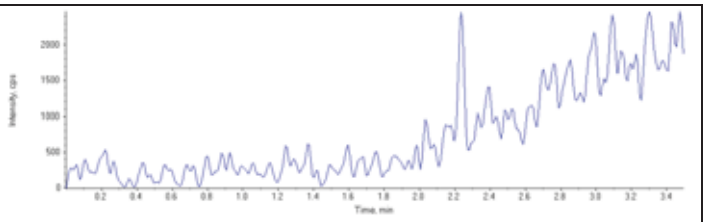
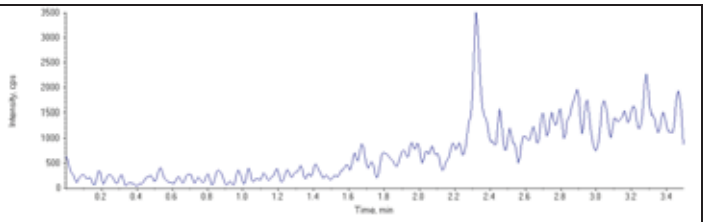
13C6-PFHxA IS (Internal Standard)

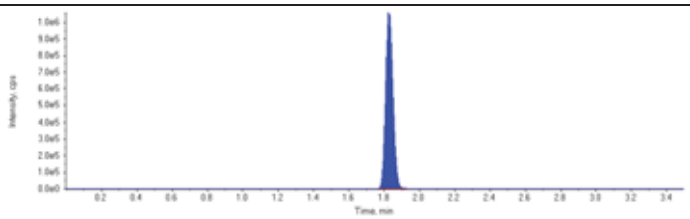
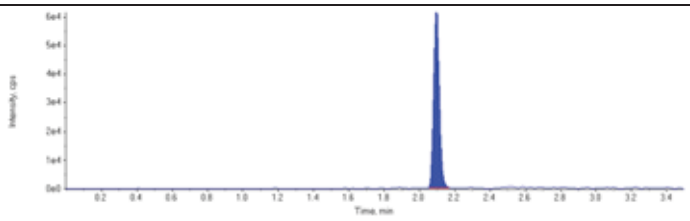
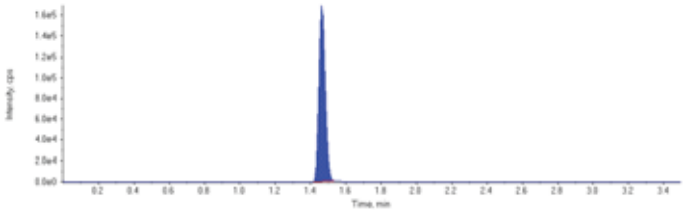
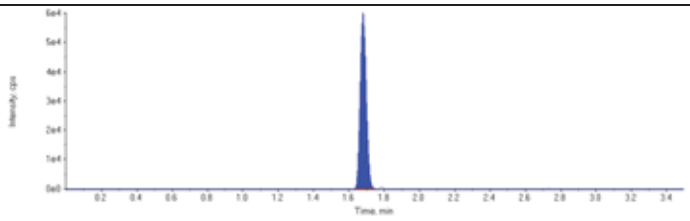
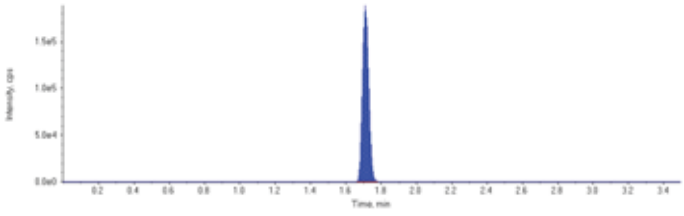
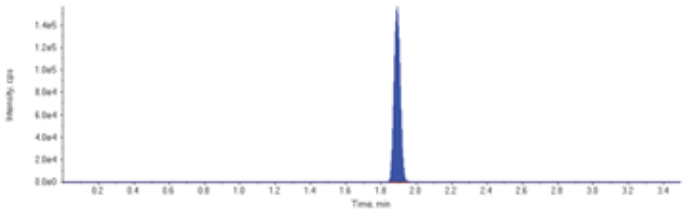
RT (Exp. RT): 1.46(1.48) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

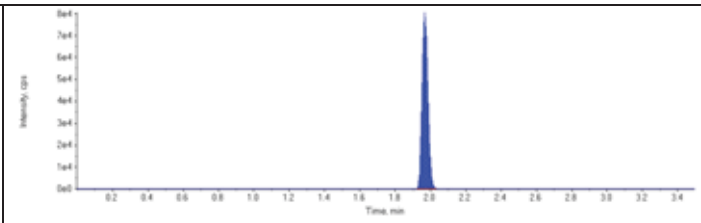
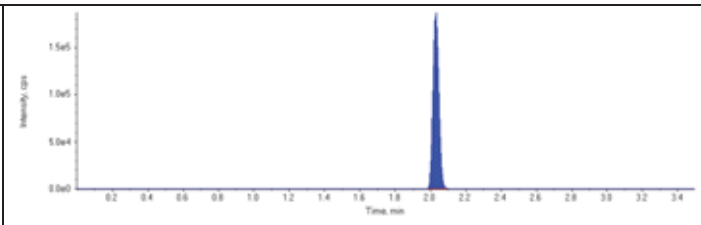
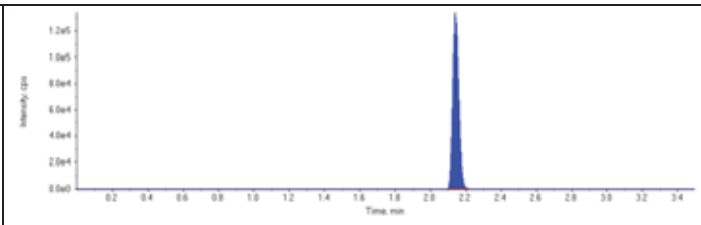
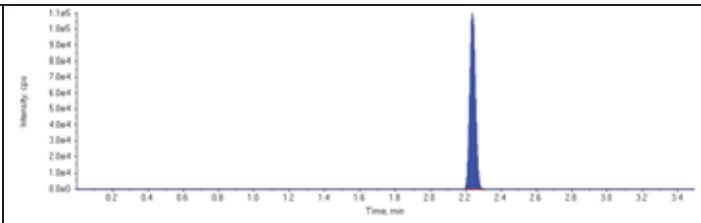
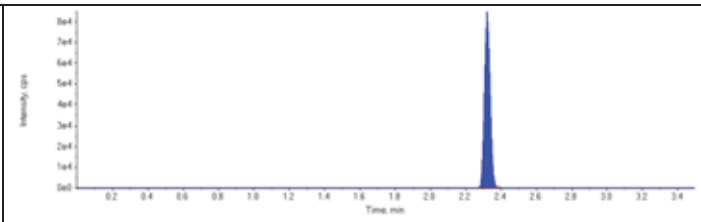
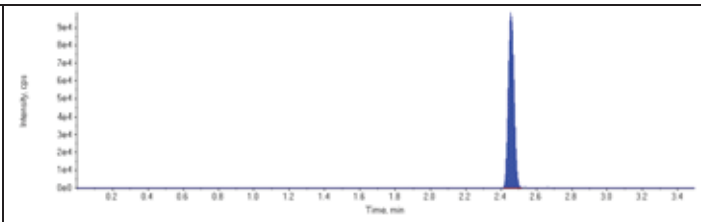


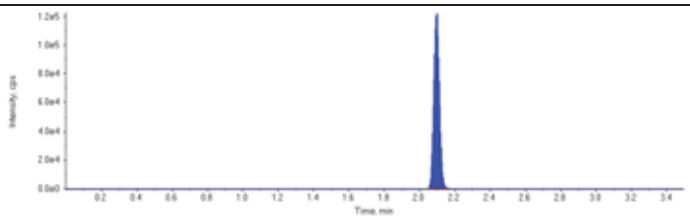
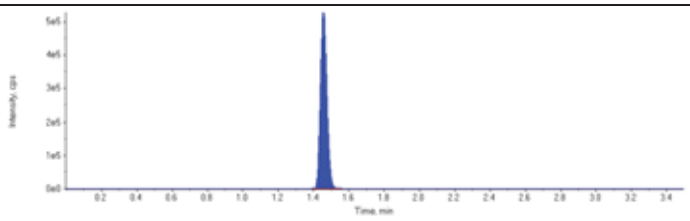
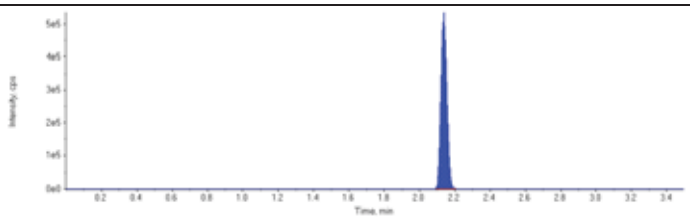
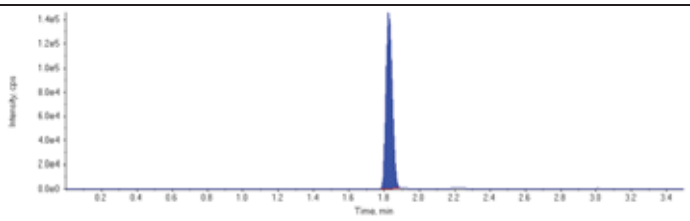
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 3.07 µg/L Area Ratio: 2.37 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 11.9 µg/L Area Ratio: 4.04 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 30.0 µg/L Area Ratio: 17.9 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 1.96 µg/L Area Ratio: 0.625 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 8.88 µg/L Area Ratio: 2.72 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 25.0 µg/L Area Ratio: 9.28 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.170 µg/L Area Ratio: 0.0675 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 38.8 µg/L Area Ratio: 8.60 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 1.15 µg/L Area Ratio: 0.508 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 86.3 µg/L Area Ratio: 0.304 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 90.1 µg/L Area Ratio: 0.101 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 85.3 µg/L Area Ratio: 0.327 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 87.9 µg/L Area Ratio: 0.265 Sample Type: (Unknown)	

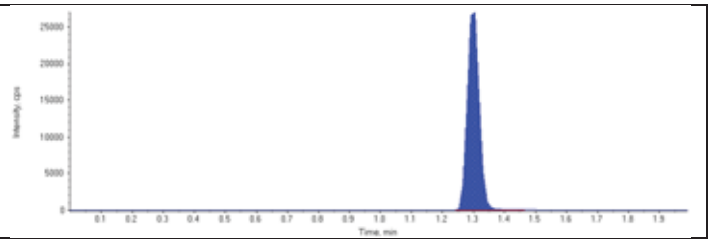
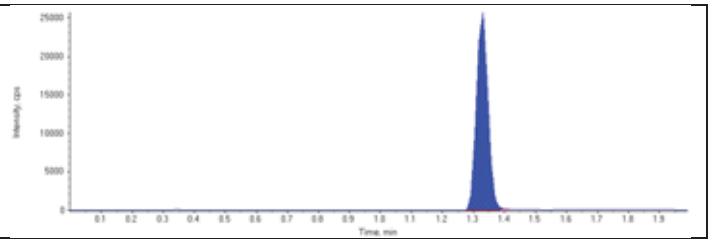
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 93.7 µg/L Area Ratio: 0.131 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 101. µg/L Area Ratio: 0.311 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 77.3 µg/L Area Ratio: 0.250 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 83.5 µg/L Area Ratio: 0.195 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 70.6 µg/L Area Ratio: 0.152 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 76.9 µg/L Area Ratio: 0.172 Sample Type: (Unknown)	

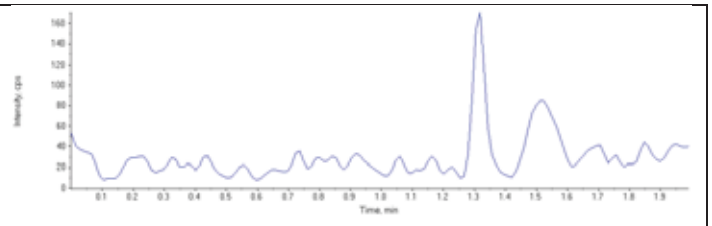
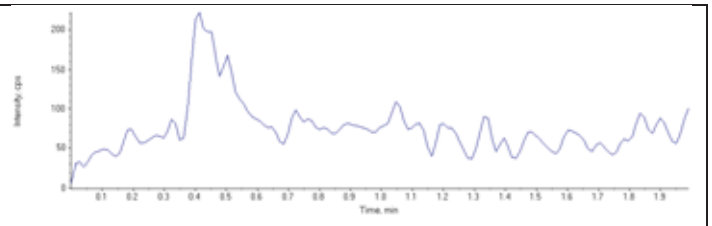
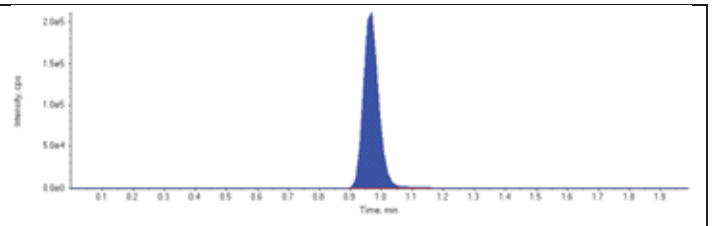
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 102. µg/L Area Ratio: 0.203 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 124. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 127. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 86.9 µg/L Area Ratio: 0.257 Sample Type: (Unknown)	

Sample ID	4872075~DXR294-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	38
Acquisition Date	2017/03/03 6:48:12 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	Results not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	73100.	1.30	1.00	-
D5-EtFOSAA IS	65500.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	713000	0.964	N/A	92.1	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.964 (0.855) min Calculated Conc: 92.1 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

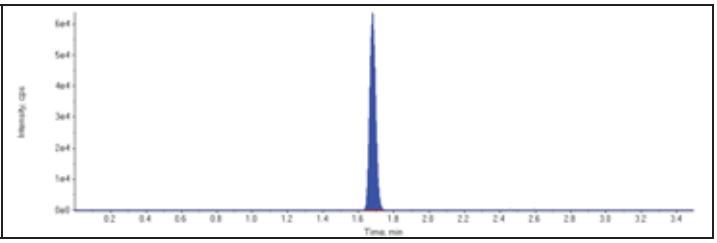
Sample ID	4872075~DXR289-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	27
Acquisition Date	2017/03/09 10:52:45 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for all analytes, except PFHxS, PFOS and 6:2-FTS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	145000.	1.68	1.00	-
MPFHxA	439000.	1.46	1.00	-
MPFHpA	471000.	1.71	1.00	-
MPFOA	392000.	1.89	1.00	-
MPFOS	186000.	1.97	1.00	-
MPFNA	355000.	2.03	1.00	-
MPFDA	389000.	2.14	1.00	-
MPFUnA	225000.	2.24	1.00	-
MPFDoA	155000.	2.32	1.00	-
MPFTeDA	228000.	2.46	1.00	-
M2 6:2 FTS	369000.	1.83	1.00	-
M2 8:2 FTS	279000.	2.09	1.00	-
13C6-PFHxA IS	1480000.	1.45	4.17	-
13C9-PFDA IS	1370000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	978000	1.15	N/A	1.72	N/A
PFHxA 1	5280000	1.46	N/A	7.10	N/A
PFHxS 1	6660000	1.68	N/A	15.4	N/A
PFHpA 1	877000	1.71	N/A	1.28	N/A
PFOA 1	1810000	1.89	N/A	3.04	N/A
PFOS 1	8140000	1.96	N/A	23.6	N/A
PFNA 1	83300	2.03	N/A	0.151	N/A
PFDA 1	24000	2.14	N/A	0.0467	N/A
PFUnA 1	6970	2.24	N/A	0.0585	N/A
PFDoA 1	5840	2.32	N/A	0.00852	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	11700000	1.83	N/A	28.7	N/A
8:2-FTS 1	1020000	2.09	N/A	1.97	N/A
13C2-PFHxA	439000	1.46	N/A	84.0	N/A
18O2-PFHxS	145000	1.68	N/A	87.3	N/A
13C4-PFHpA	471000	1.71	N/A	83.0	N/A
13C4-PFOA	392000	1.89	N/A	87.7	N/A
13C4-PFOS	186000	1.97	N/A	89.3	N/A
13C5-PFNA	355000	2.03	N/A	77.6	N/A
13C2-PFDA	389000	2.14	N/A	87.9	N/A
13C2-PFUnA	225000	2.24	N/A	70.2	N/A
13C2-PFDoA	155000	2.32	N/A	52.6	N/A
13C2-PFTeDA	228000	2.46	N/A	74.6	N/A
13C2-8:2 FTS	279000	2.09	N/A	94.4	N/A
13C6-PFHxA	1480000	1.45	N/A	26.6	N/A
13C9-PFDA	1370000	2.14	N/A	27.7	N/A
13C2-6:2-FTS	369000	1.83	N/A	84.2	N/A

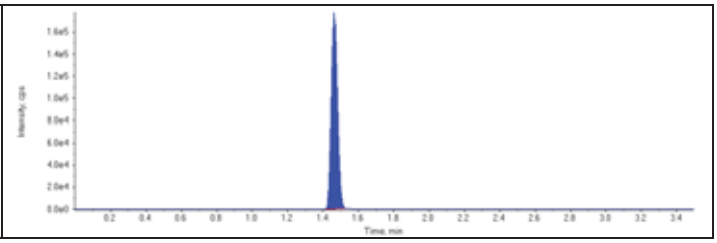
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



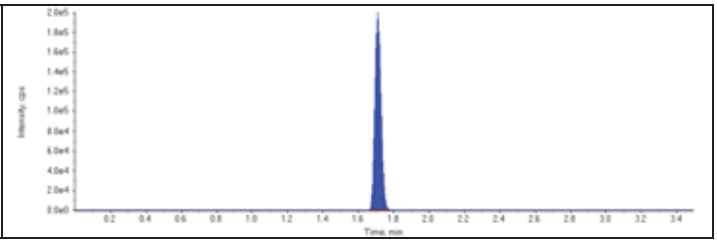
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



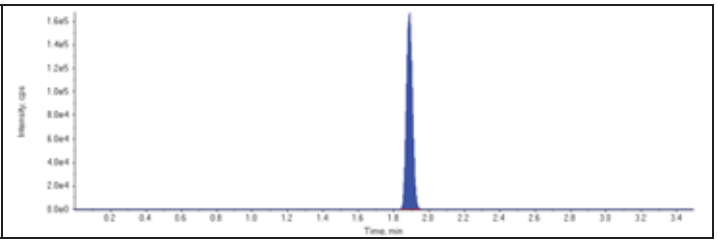
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



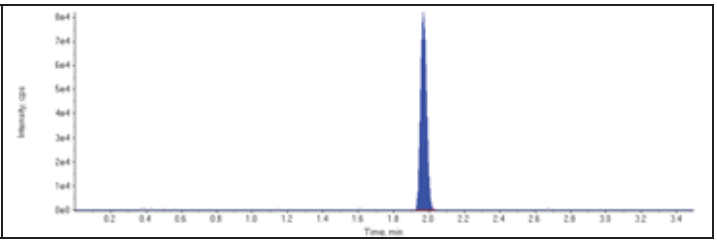
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



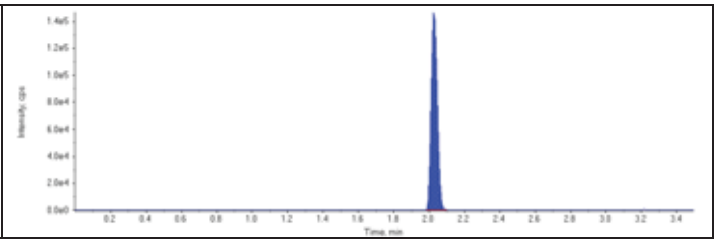
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



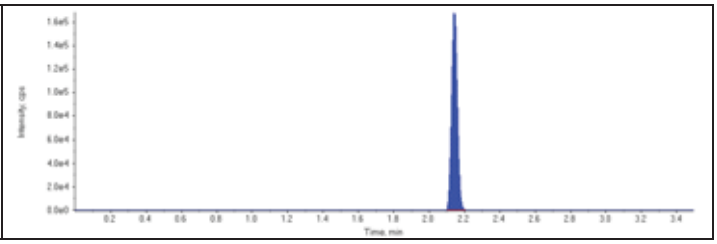
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



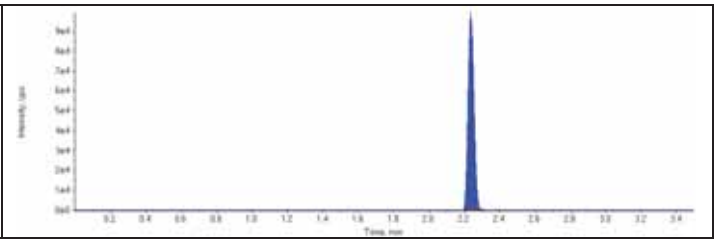
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



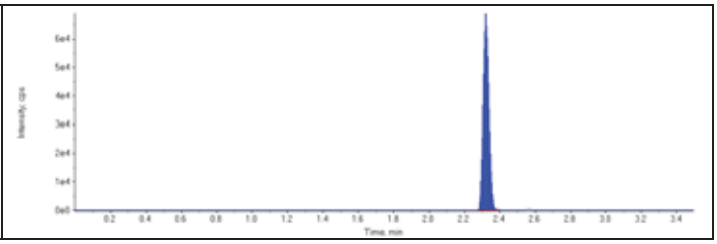
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



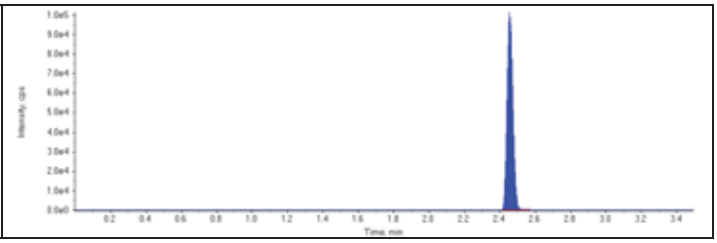
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



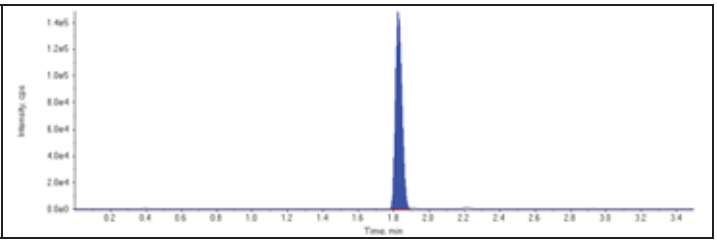
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



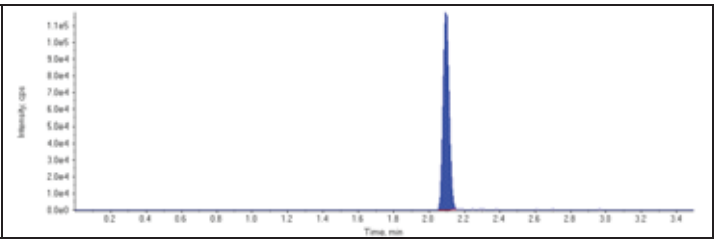
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



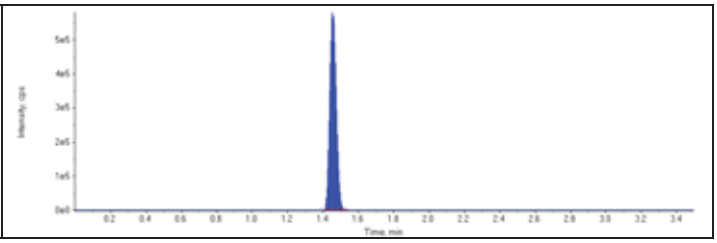
M2 8:2 FTS (Internal Standard)

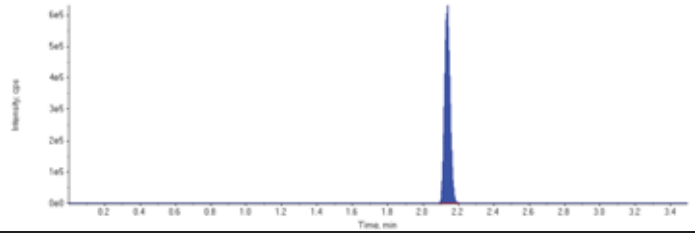
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

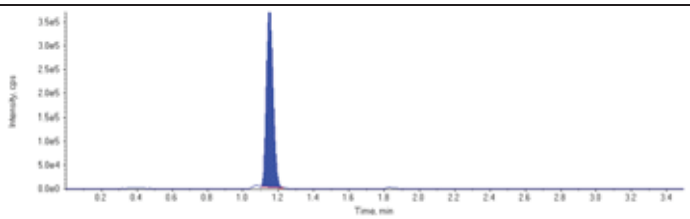
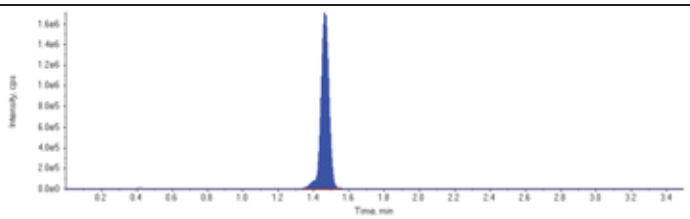
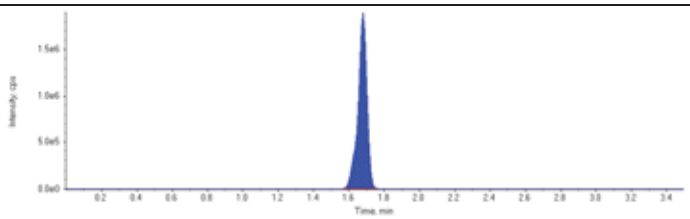
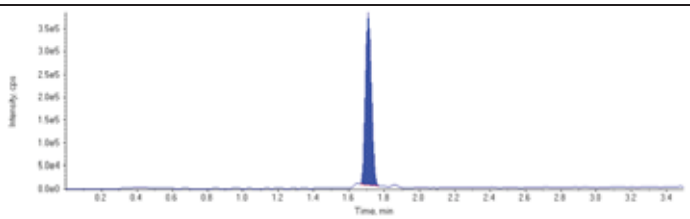
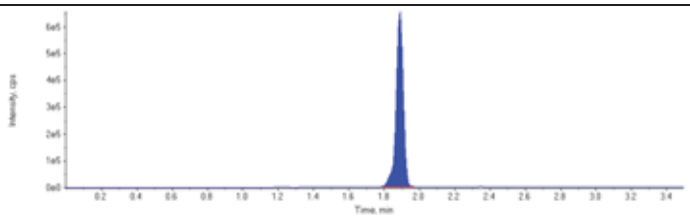
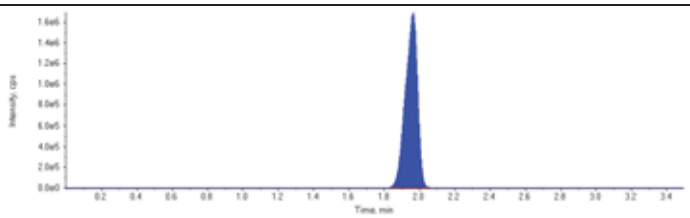


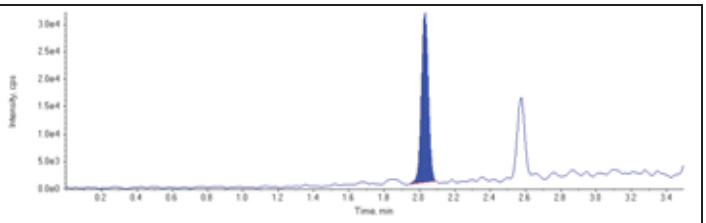
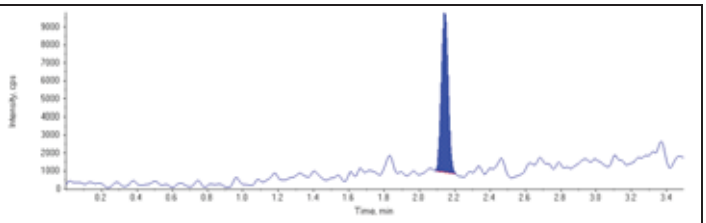
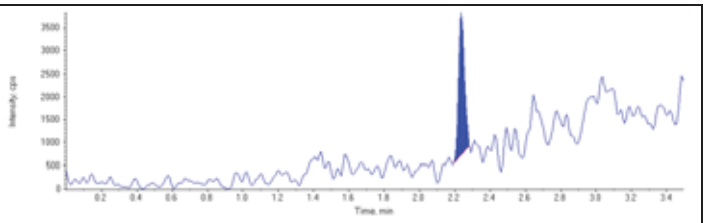
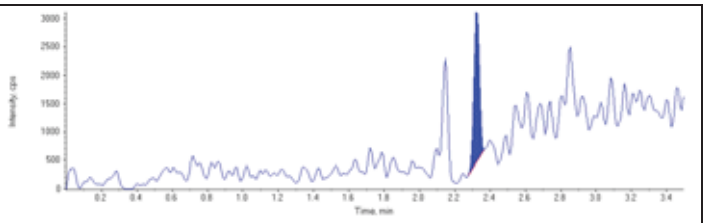
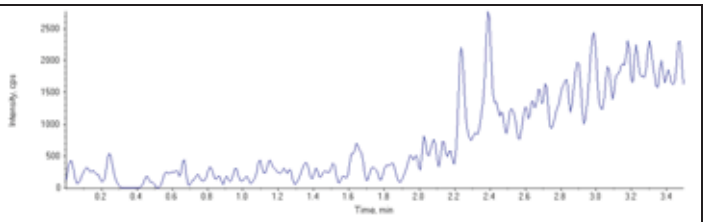
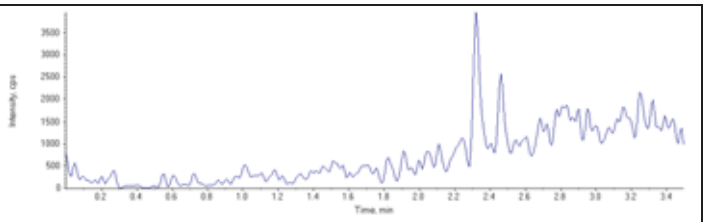
13C6-PFHxA IS (Internal Standard)

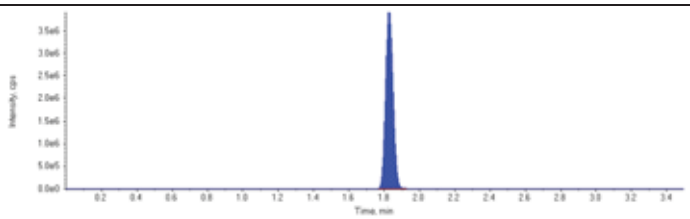
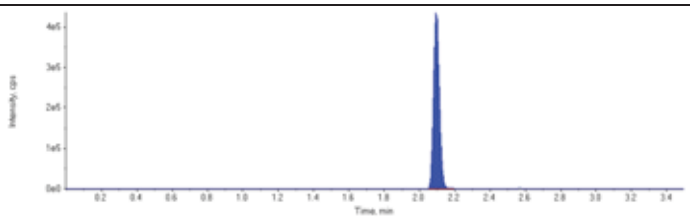
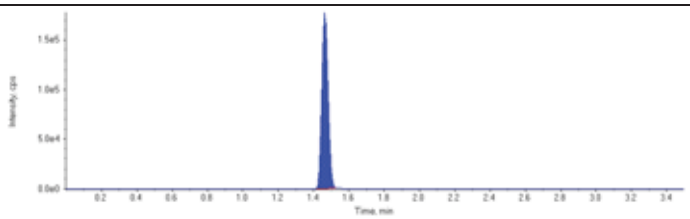
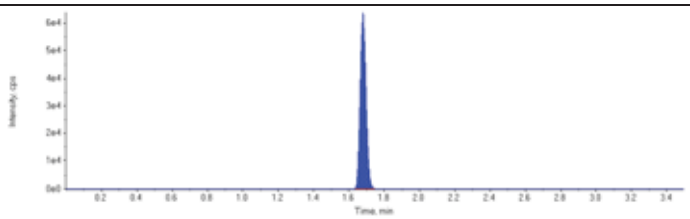
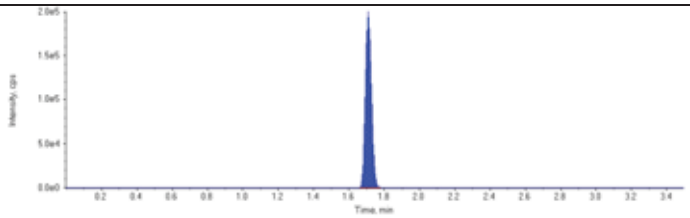
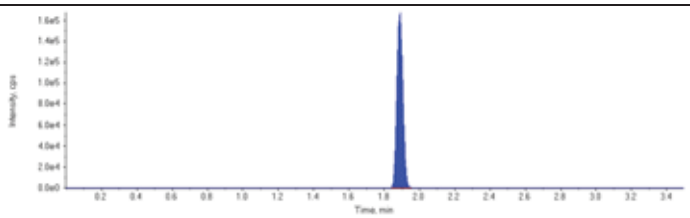
RT (Exp. RT): 1.45(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

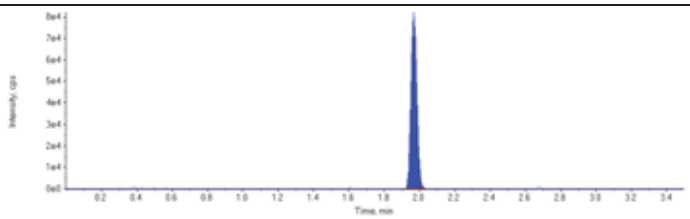
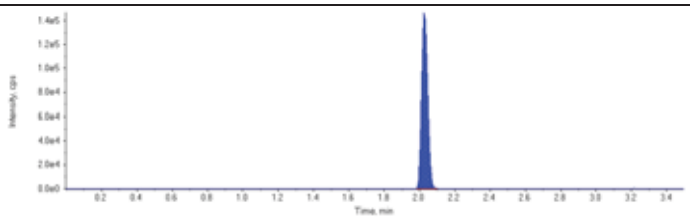
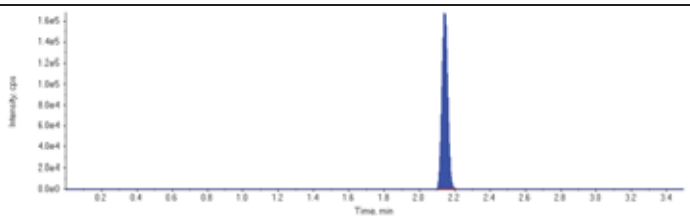
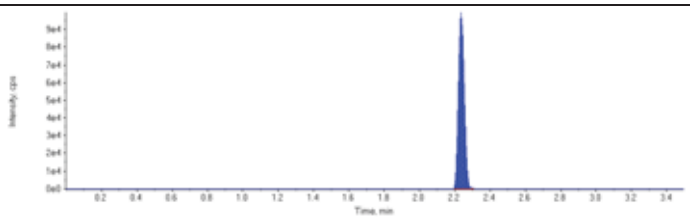
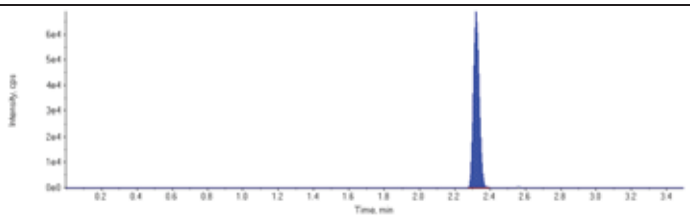
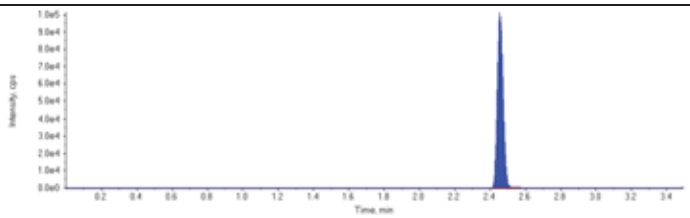


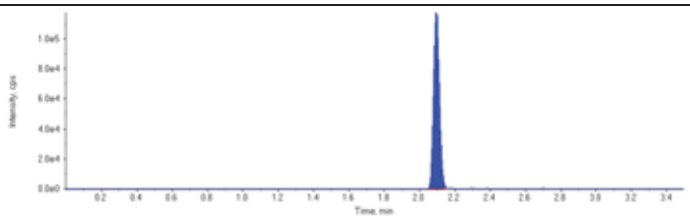
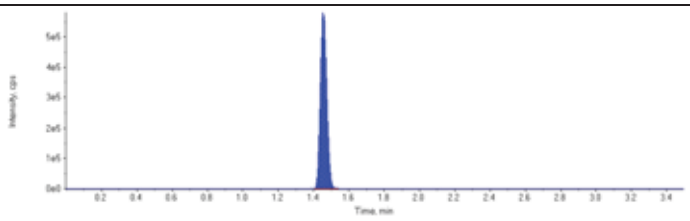
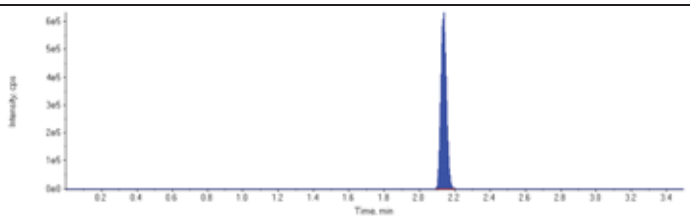
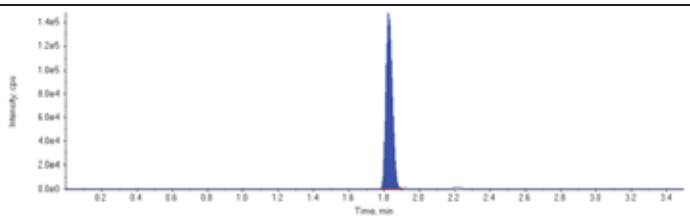
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.72 µg/L Area Ratio: 6.75 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 7.10 µg/L Area Ratio: 12.0 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 15.4 µg/L Area Ratio: 45.9 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 1.28 µg/L Area Ratio: 1.86 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 3.04 µg/L Area Ratio: 4.62 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 23.6 µg/L Area Ratio: 43.8 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.151 µg/L Area Ratio: 0.235 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.0467 µg/L Area Ratio: 0.0617 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 0.0585 µg/L Area Ratio: 0.0310 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 0.00852 µg/L Area Ratio: 0.0377 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 28.7 µg/L Area Ratio: 31.7 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 1.97 µg/L Area Ratio: 3.64 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 84.0 µg/L Area Ratio: 0.296 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 87.3 µg/L Area Ratio: 0.0976 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 83.0 µg/L Area Ratio: 0.317 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 87.7 µg/L Area Ratio: 0.264 Sample Type: (Unknown)	

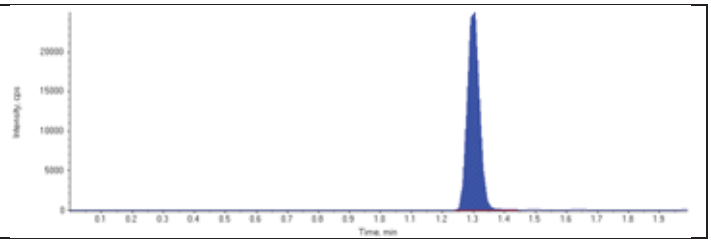
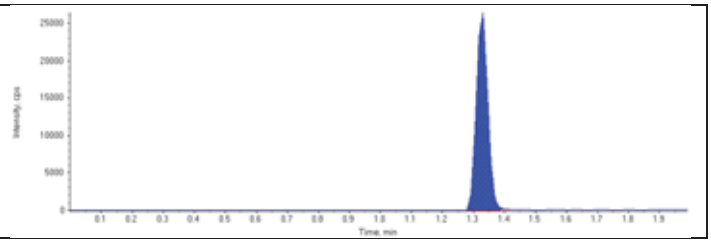
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 89.3 µg/L Area Ratio: 0.125 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 77.6 µg/L Area Ratio: 0.239 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 87.9 µg/L Area Ratio: 0.284 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 70.2 µg/L Area Ratio: 0.164 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 52.6 µg/L Area Ratio: 0.113 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 74.6 µg/L Area Ratio: 0.167 Sample Type: (Unknown)	

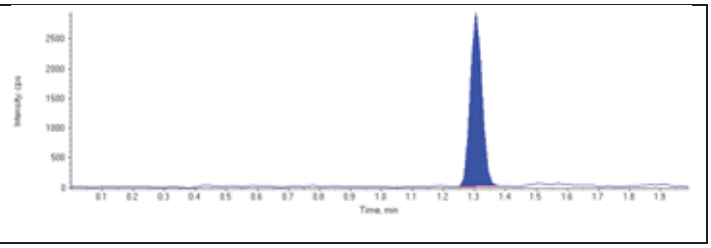
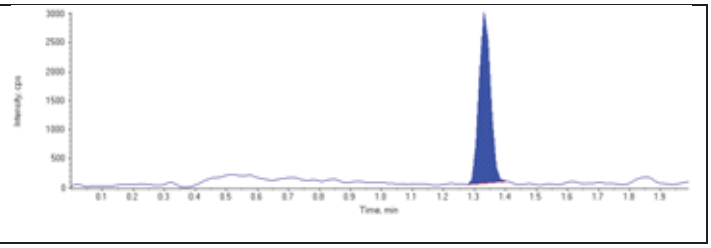
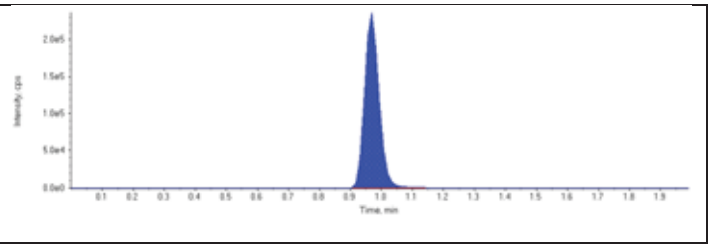
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 94.4 µg/L Area Ratio: 0.188 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 26.6 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 27.7 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 84.2 µg/L Area Ratio: 0.249 Sample Type: (Unknown)	

Sample ID	4872075~DXR289-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	39
Acquisition Date	2017/03/03 6:53:21 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	67700.	1.30	1.00	-
D5-EtFOSAA IS	68300.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	7450	1.31	N/A	0.0493	N/A
EtFOSAA 1	7360	1.33	N/A	0.0824	N/A
13C9-PFDA	767000	0.968	N/A	19.8	N/A

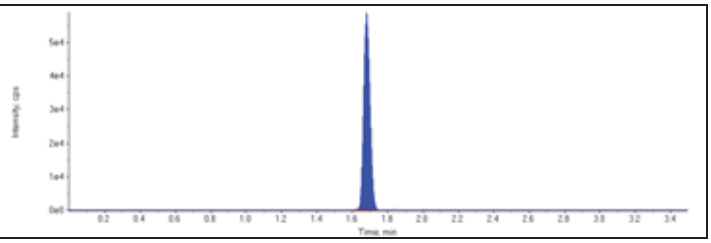
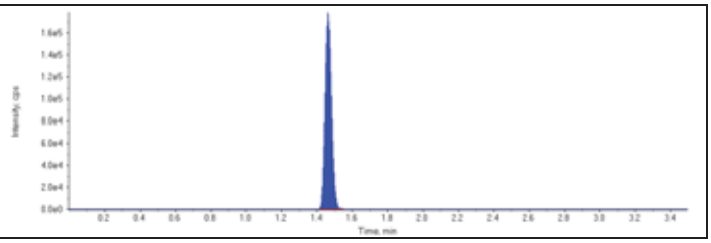
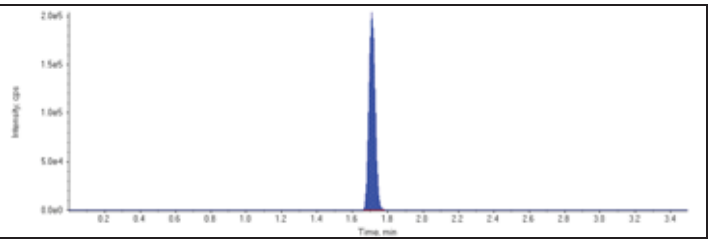
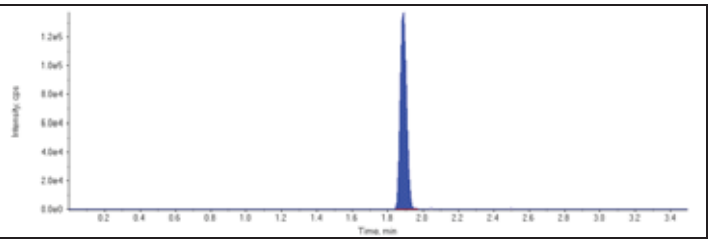
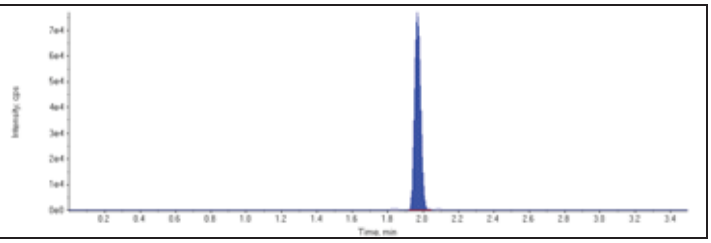
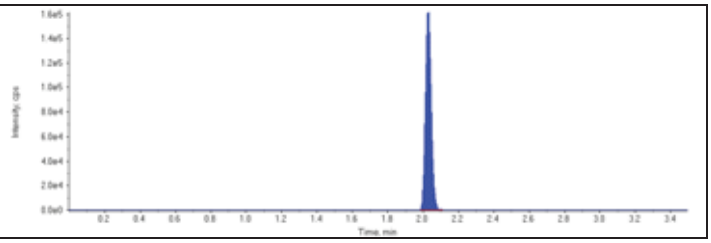
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 0.0493 µg/L Area Ratio: 0.110 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 0.0824 µg/L Area Ratio: 0.108 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.968 (0.855) min Calculated Conc: 19.8 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR290-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	28
Acquisition Date	2017/03/09 11:31:06 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reinjected to check surrogate recovery		

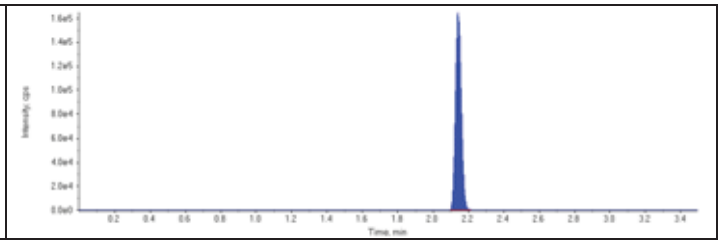
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	143000.	1.68	1.00	-
MPFHxA	443000.	1.46	1.00	-
MPFHpA	480000.	1.71	1.00	-
MPFOA	342000.	1.89	1.00	-
MPFOS	179000.	1.97	1.00	-
MPFNA	376000.	2.03	1.00	-
MPFDA	376000.	2.14	1.00	-
MPFUnA	228000.	2.24	1.00	-
MPFDoA	211000.	2.32	1.00	-
MPFTeDA	187000.	2.46	1.00	-
M2 6:2 FTS	333000.	1.83	1.00	-
M2 8:2 FTS	271000.	2.09	1.00	-
13C6-PFHxA IS	1570000.	1.45	4.17	-
13C9-PFDA IS	1410000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1530000	1.15	N/A	2.70	N/A
PFHxA 1	11300000	1.46	N/A	15.0	N/A
PFHxS 1	21600000	1.68	N/A	50.9	N/A
PFHpA 1	2050000	1.71	N/A	3.00	N/A
PFOA 1	10500000	1.89	N/A	20.3	N/A
PFOS 1	19800000	1.93	N/A	59.7	N/A
PFNA 1	413000	2.03	N/A	0.753	N/A
PFDA 1	16300	2.14	N/A	0.0346	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	18400000	1.83	N/A	50.0	N/A
8:2-FTS 1	1550000	2.09	N/A	3.14	N/A
13C2-PFHxA	443000	1.46	N/A	80.1	N/A
18O2-PFHxS	143000	1.68	N/A	81.3	N/A
13C4-PFHpA	480000	1.71	N/A	79.9	N/A
13C4-PFOA	342000	1.89	N/A	72.3	N/A
13C4-PFOS	179000	1.97	N/A	81.0	N/A
13C5-PFNA	376000	2.03	N/A	77.5	N/A
13C2-PFDA	376000	2.14	N/A	82.6	N/A
13C2-PFUnA	228000	2.24	N/A	69.4	N/A
13C2-PFDoA	211000	2.32	N/A	69.6	N/A
13C2-PFTeDA	187000	2.46	N/A	59.3	N/A
13C2-8:2 FTS	271000	2.09	N/A	86.3	N/A
13C6-PFHxA	1570000	1.45	N/A	28.2	N/A
13C9-PFDA	1410000	2.14	N/A	28.5	N/A
13C2-6:2-FTS	333000	1.83	N/A	71.8	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

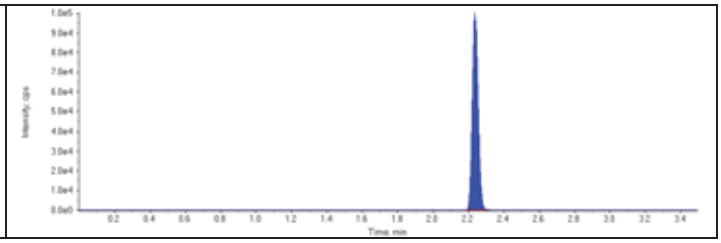
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



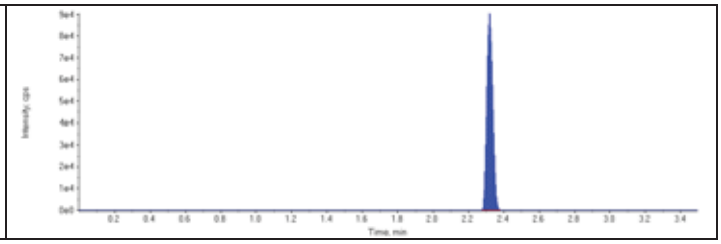
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



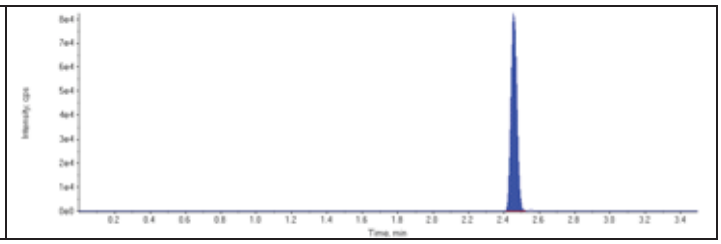
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



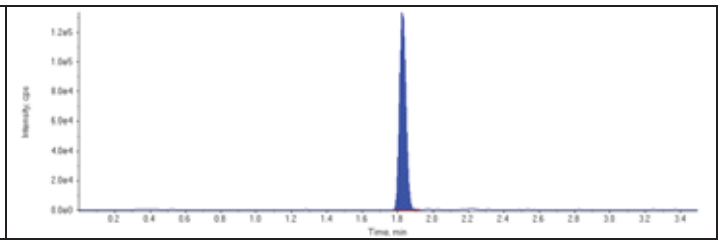
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



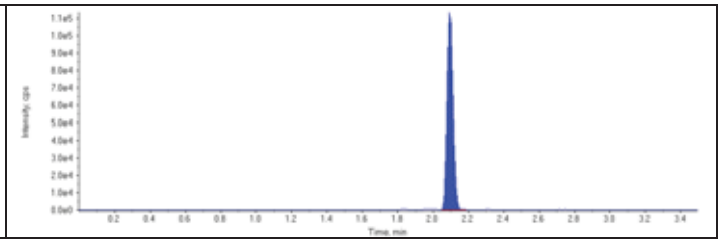
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



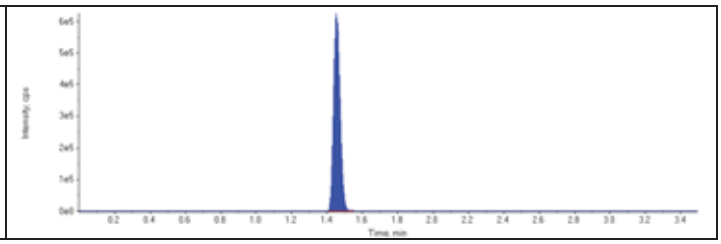
M2 8:2 FTS (Internal Standard)

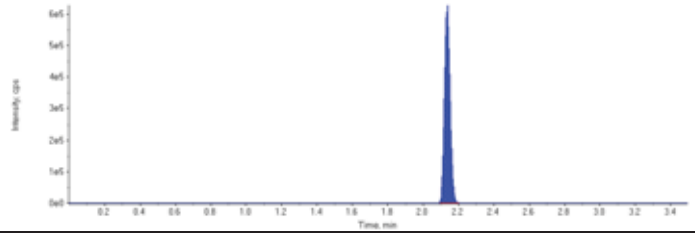
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

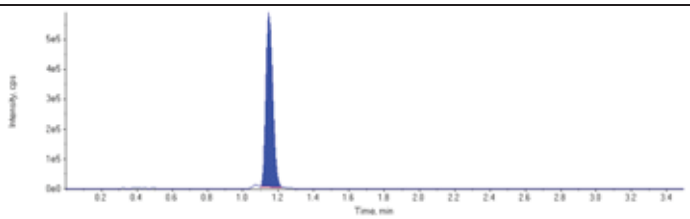
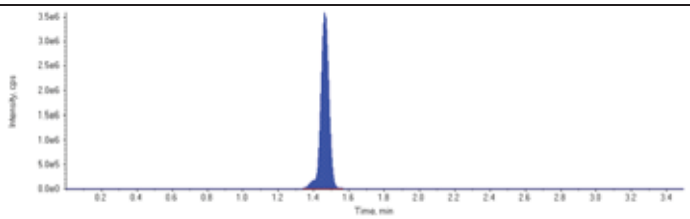
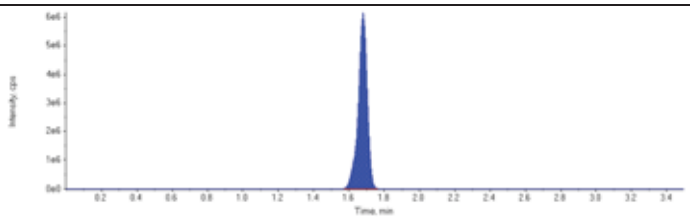
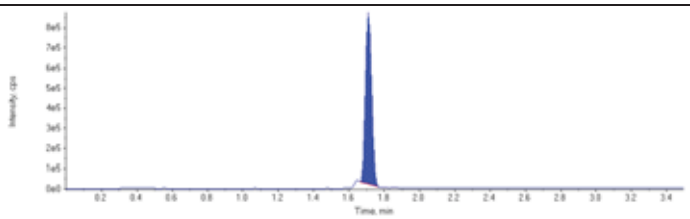
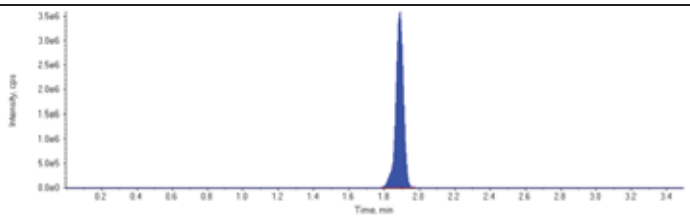
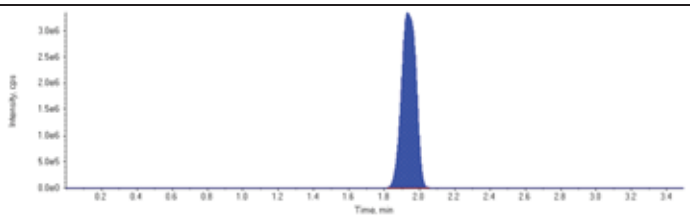


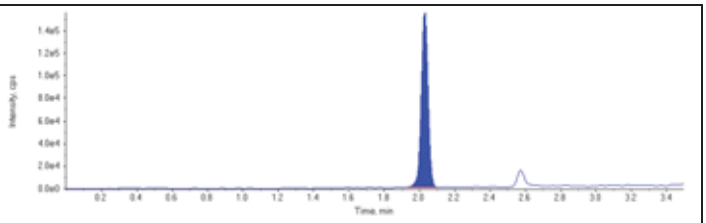
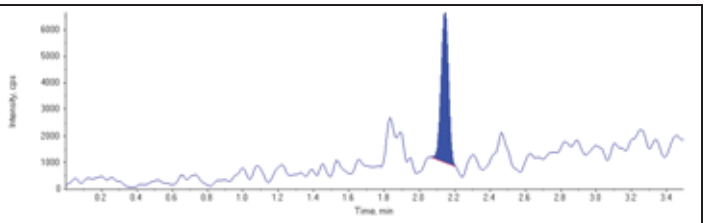
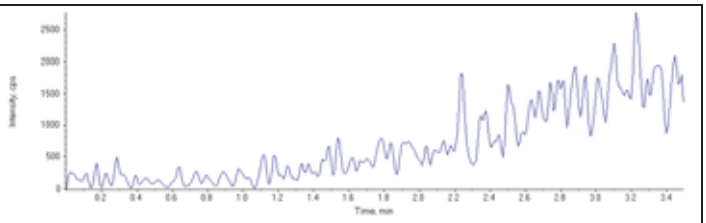
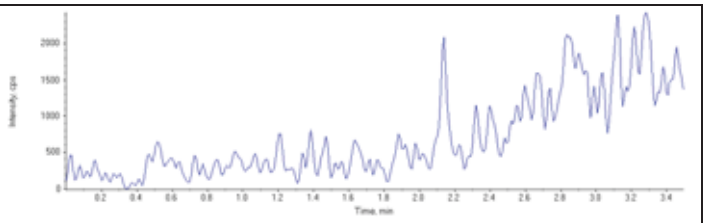
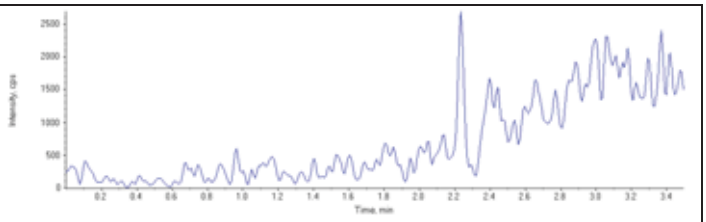
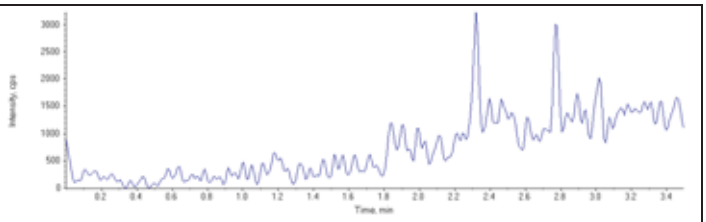
13C6-PFHxA IS (Internal Standard)

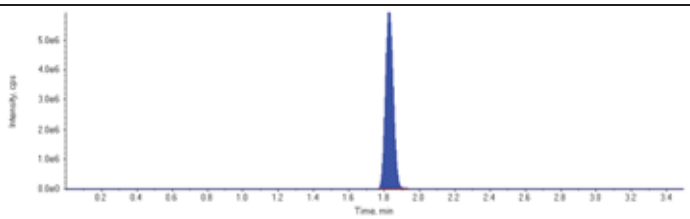
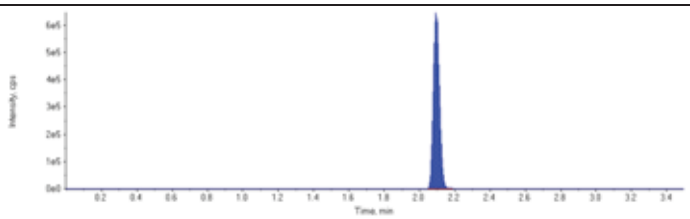
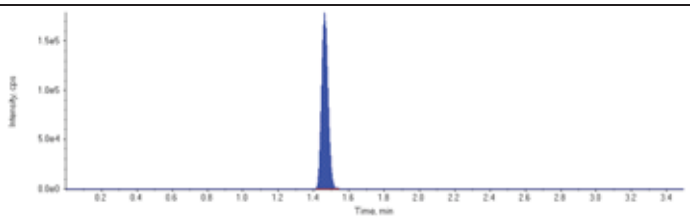
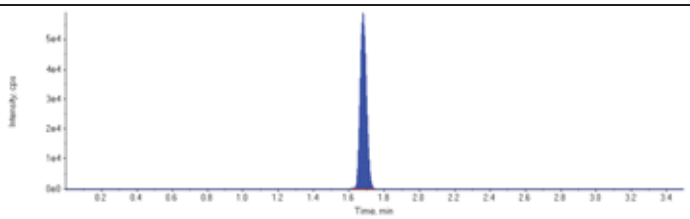
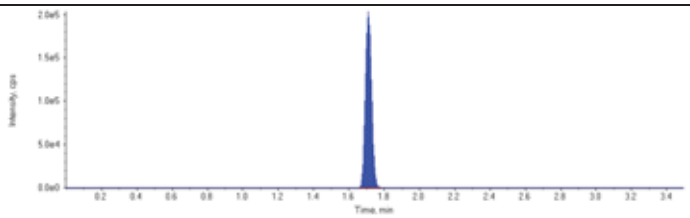
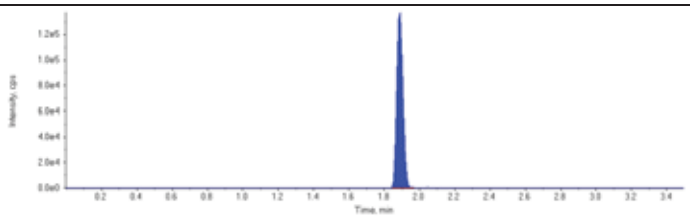
RT (Exp. RT): 1.45(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

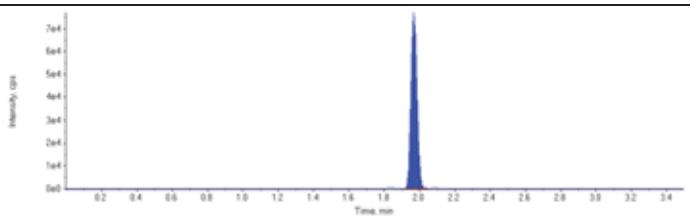
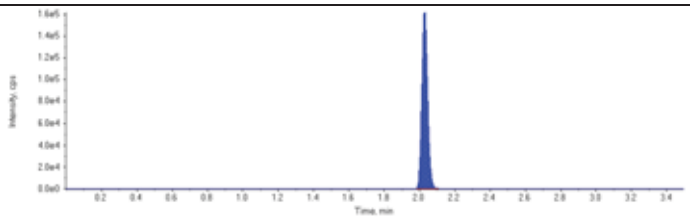
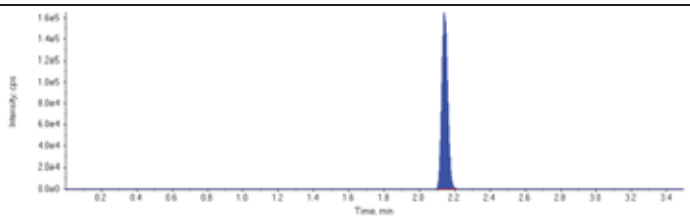
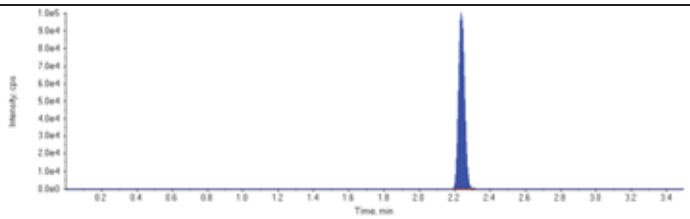
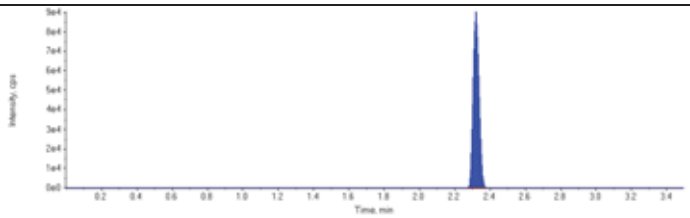
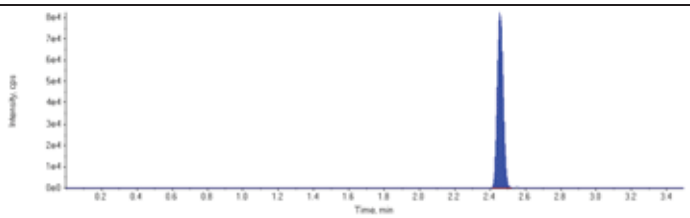


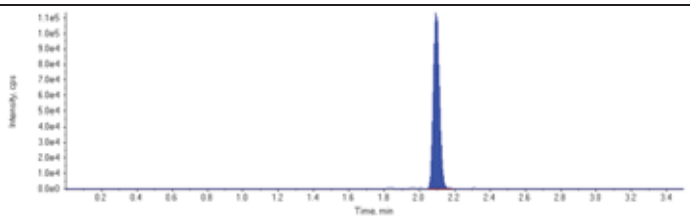
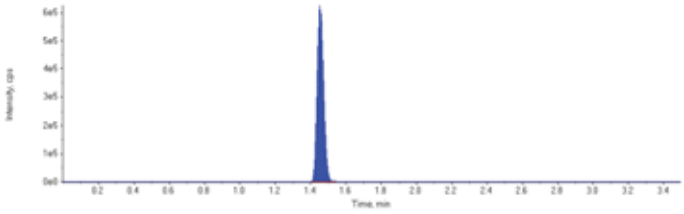
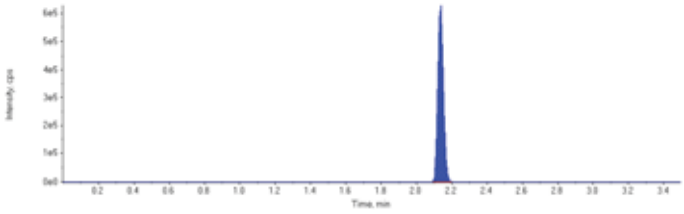
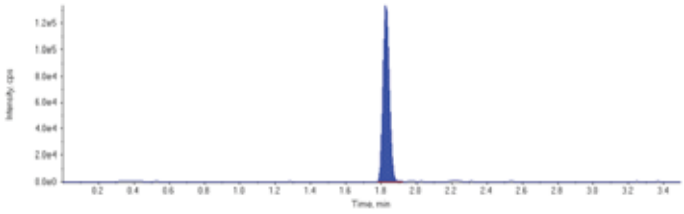
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.70 µg/L Area Ratio: 10.7 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 15.0 µg/L Area Ratio: 25.4 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 50.9 µg/L Area Ratio: 151. Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 3.00 µg/L Area Ratio: 4.27 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 20.3 µg/L Area Ratio: 30.6 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.93 (1.97) min Calculated Conc: 59.7 µg/L Area Ratio: 111. Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.753 µg/L Area Ratio: 1.10 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.0346 µg/L Area Ratio: 0.0434 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 50.0 µg/L Area Ratio: 55.3 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 3.14 µg/L Area Ratio: 5.74 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 80.1 µg/L Area Ratio: 0.282 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 81.3 µg/L Area Ratio: 0.0909 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 79.9 µg/L Area Ratio: 0.305 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 72.3 µg/L Area Ratio: 0.217 Sample Type: (Unknown)	

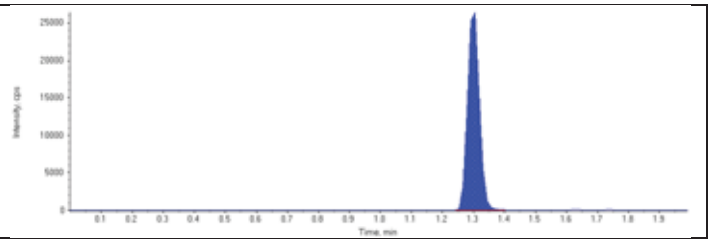
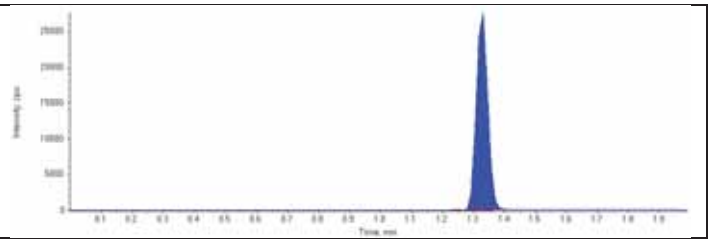
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 81.0 µg/L Area Ratio: 0.113 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 77.5 µg/L Area Ratio: 0.239 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 82.6 µg/L Area Ratio: 0.267 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 69.4 µg/L Area Ratio: 0.162 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 69.6 µg/L Area Ratio: 0.150 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 59.3 µg/L Area Ratio: 0.133 Sample Type: (Unknown)	

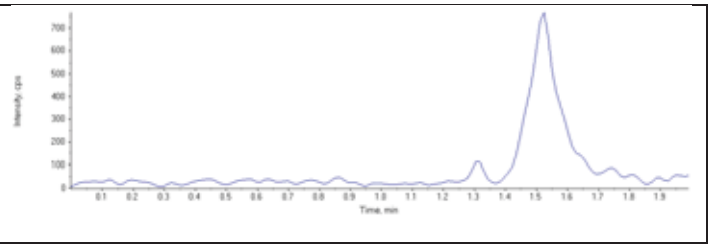
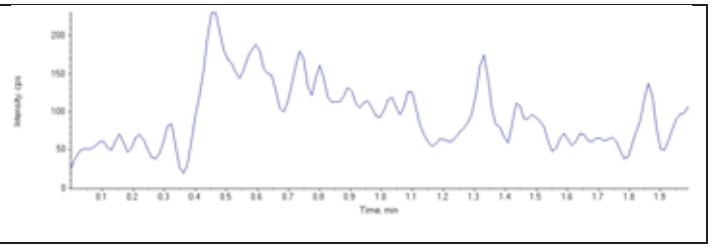
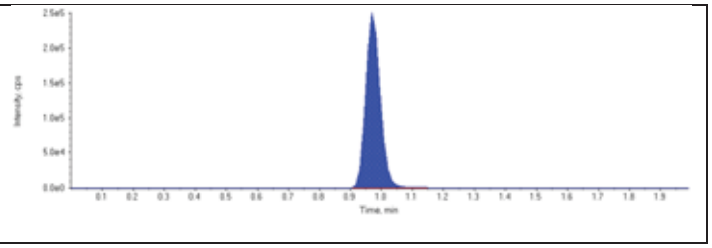
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 86.3 µg/L Area Ratio: 0.172 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 28.2 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 28.5 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 71.8 µg/L Area Ratio: 0.212 Sample Type: (Unknown)	

Sample ID	4872075~DXR290-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	40
Acquisition Date	2017/03/03 6:55:55 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	70700.	1.30	1.00	-
D5-EtFOSAA IS	71000.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	813000	0.971	N/A	21.0	N/A

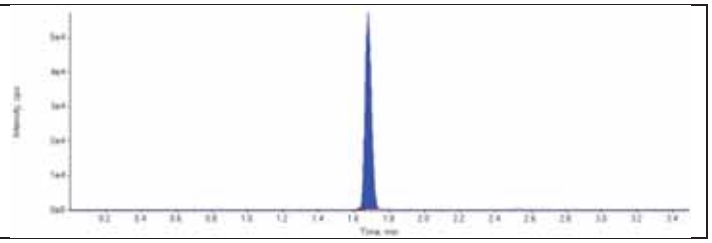
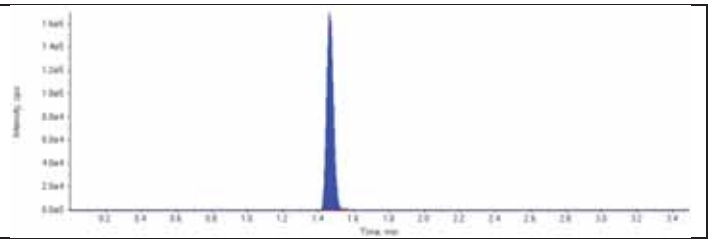
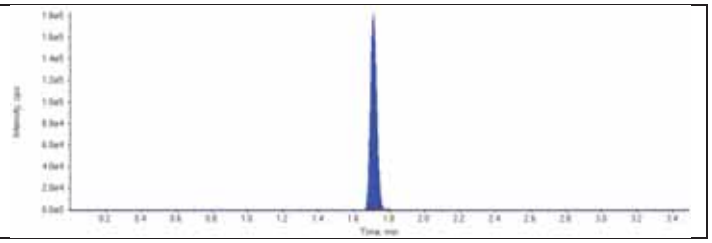
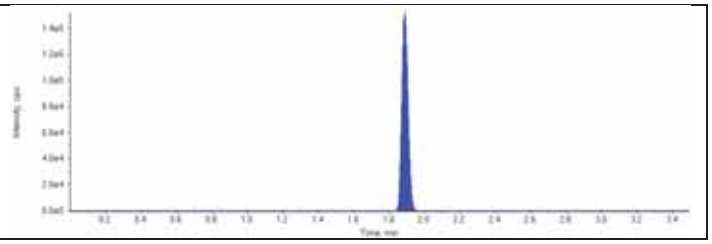
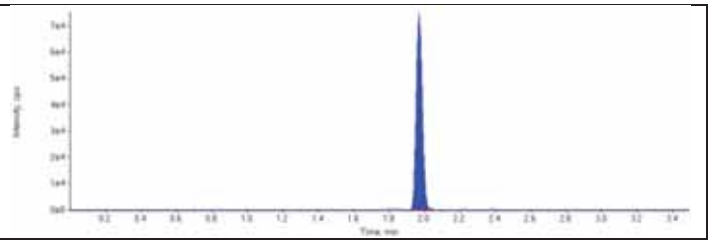
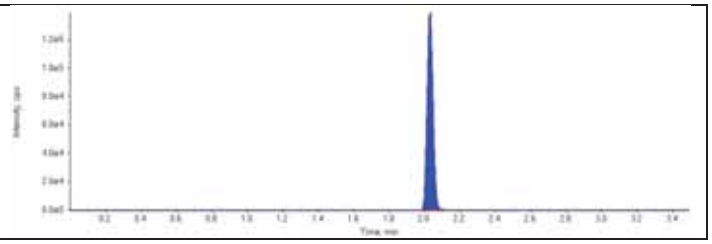
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.971 (0.855) min Calculated Conc: 21.0 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR290-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	28
Acquisition Date	2017/03/09 12:11:39 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reinjection, reported for all analytes, except PFHxA, PFHxS, PFOA, PFOS & 6:2-FTS		

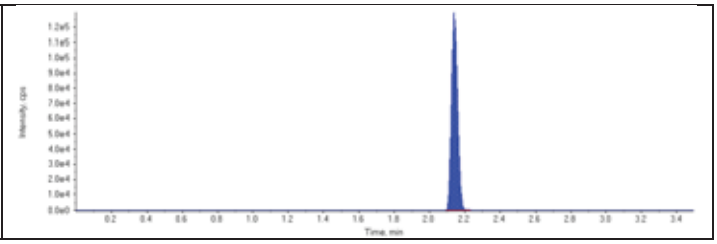
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	137000.	1.68	1.00	-
MPFHxA	442000.	1.46	1.00	-
MPFHpA	436000.	1.71	1.00	-
MPFOA	368000.	1.89	1.00	-
MPFOS	174000.	1.97	1.00	-
MPFNA	340000.	2.03	1.00	-
MPFDA	313000.	2.14	1.00	-
MPFUnA	237000.	2.24	1.00	-
MPFDoA	228000.	2.32	1.00	-
MPFTeDA	215000.	2.46	1.00	-
M2 6:2 FTS	325000.	1.83	1.00	-
M2 8:2 FTS	254000.	2.09	1.00	-
13C6-PFHxA IS	1620000.	1.45	4.17	-
13C9-PFDA IS	1450000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1460000	1.15	N/A	2.70	N/A
PFHxA 1	11400000	1.46	N/A	15.2	N/A
PFHxS 1	20700000	1.68	N/A	50.6	N/A
PFHpA 1	2020000	1.71	N/A	3.25	N/A
PFOA 1	9600000	1.89	N/A	17.3	N/A
PFOS 1	19200000	1.93	N/A	59.2	N/A
PFNA 1	365000	2.03	N/A	0.738	N/A
PFDA 1	17000	2.14	N/A	0.0418	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	19100000	1.83	N/A	53.2	N/A
8:2-FTS 1	1400000	2.09	N/A	3.03	N/A
13C2-PFHxA	442000	1.46	N/A	77.7	N/A
18O2-PFHxS	137000	1.68	N/A	75.9	N/A
13C4-PFHpA	436000	1.71	N/A	70.6	N/A
13C4-PFOA	368000	1.89	N/A	75.6	N/A
13C4-PFOS	174000	1.97	N/A	77.0	N/A
13C5-PFNA	340000	2.03	N/A	68.1	N/A
13C2-PFDA	313000	2.14	N/A	67.1	N/A
13C2-PFUnA	237000	2.24	N/A	70.1	N/A
13C2-PFDoA	228000	2.32	N/A	73.1	N/A
13C2-PFTeDA	215000	2.46	N/A	66.3	N/A
13C2-8:2 FTS	254000	2.09	N/A	78.6	N/A
13C6-PFHxA	1620000	1.45	N/A	29.0	N/A
13C9-PFDA	1450000	2.14	N/A	29.2	N/A
13C2-6:2-FTS	325000	1.83	N/A	68.2	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

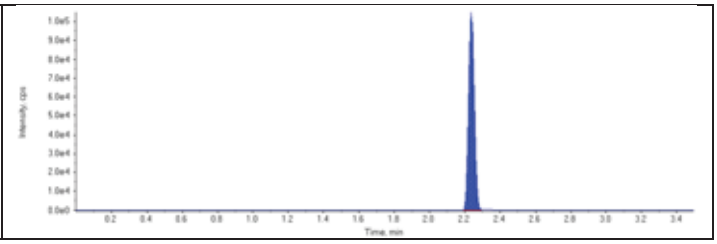
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



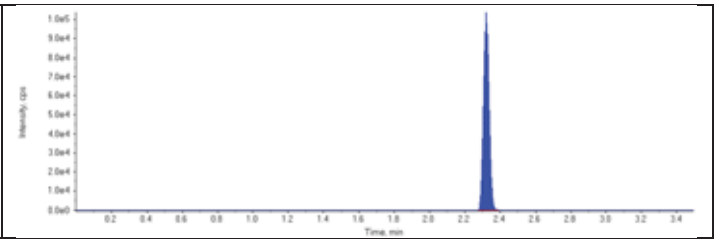
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



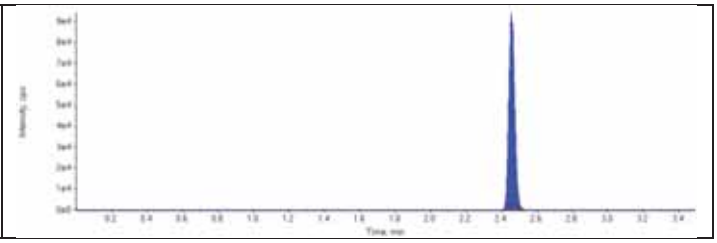
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



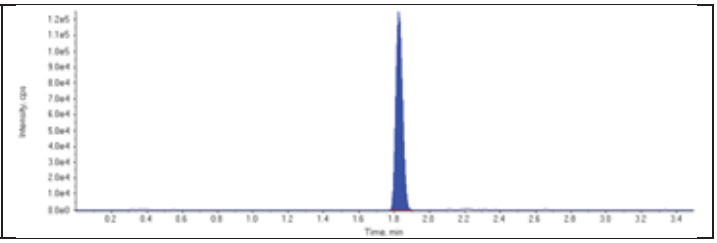
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



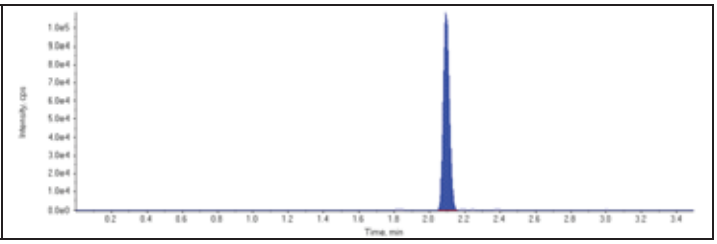
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



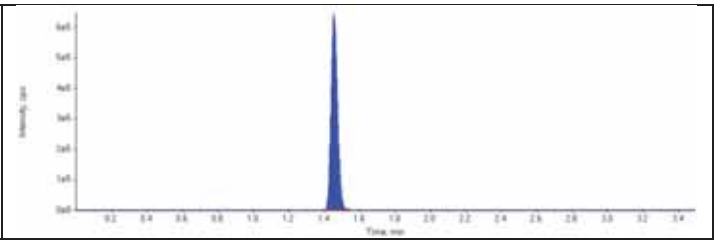
M2 8:2 FTS (Internal Standard)

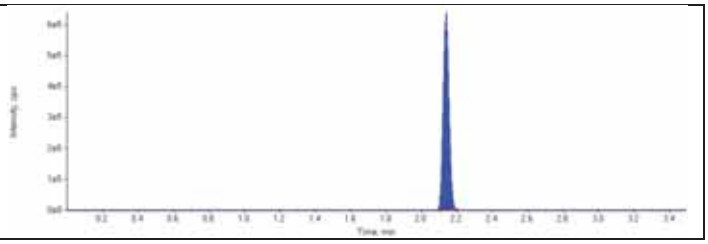
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

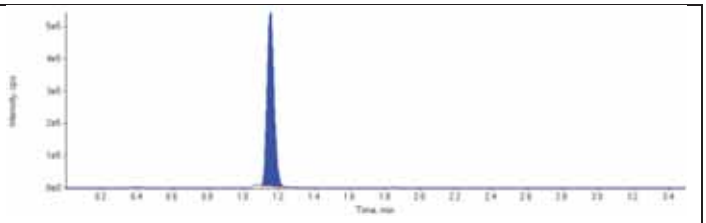
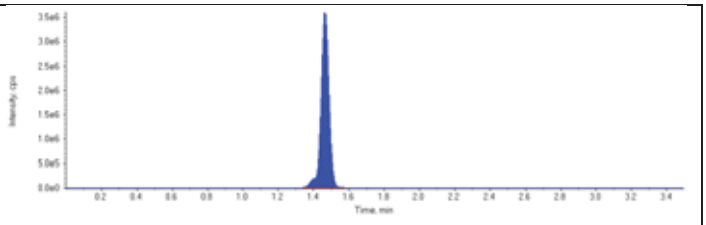
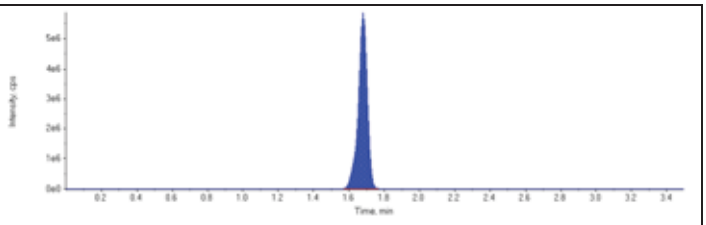
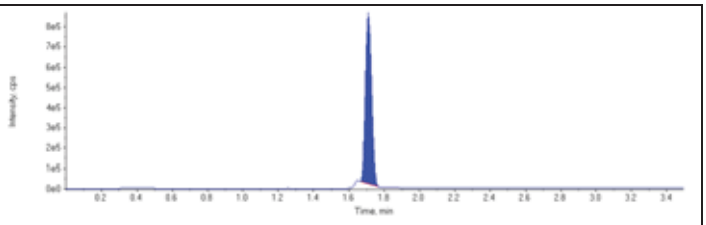
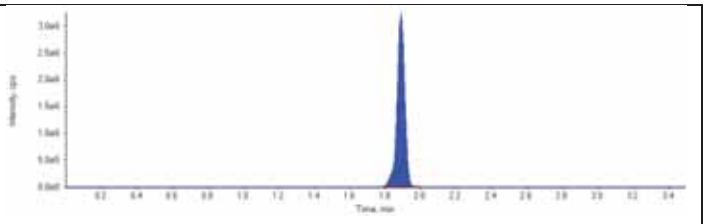
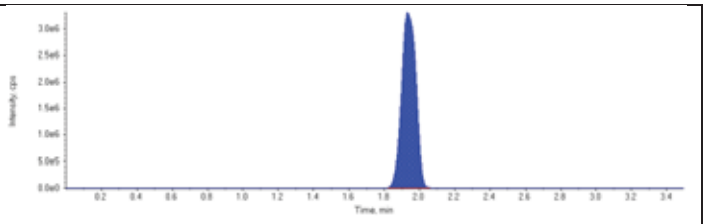


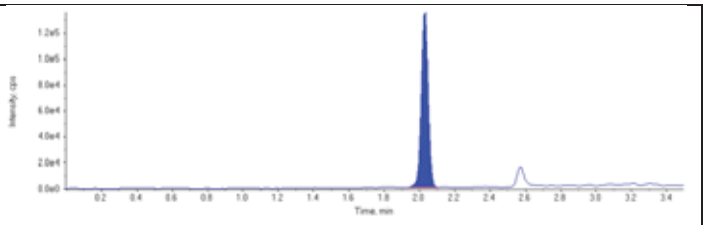
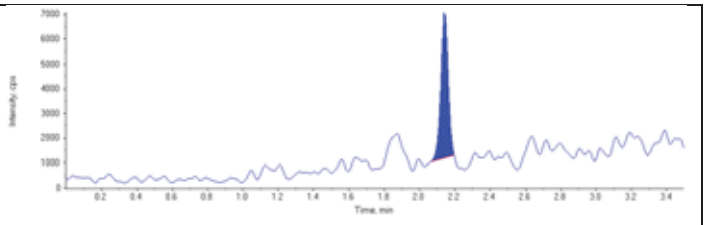
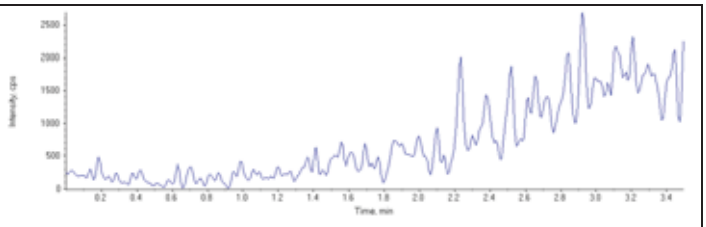
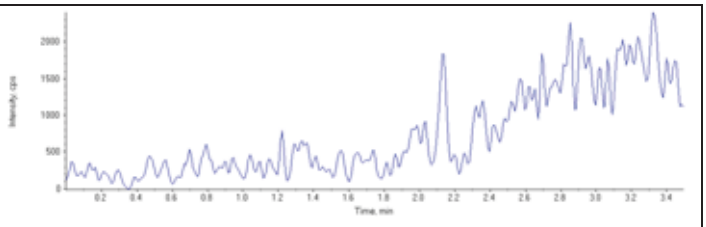
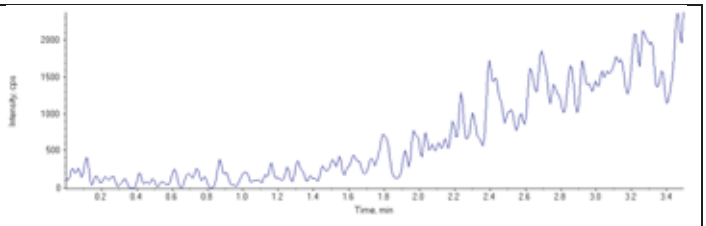
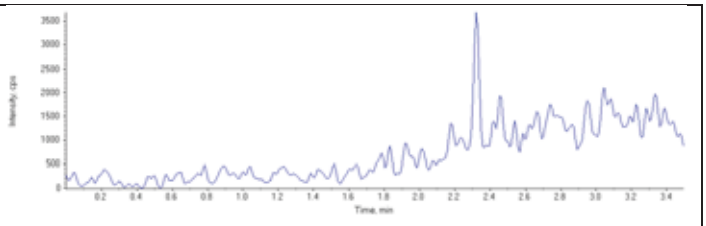
13C6-PFHxA IS (Internal Standard)

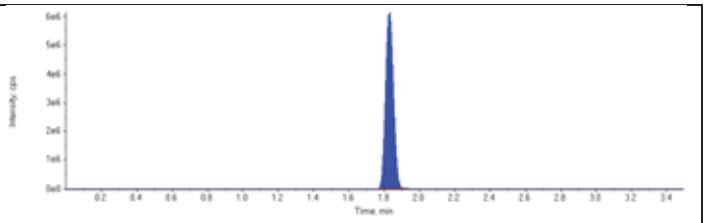
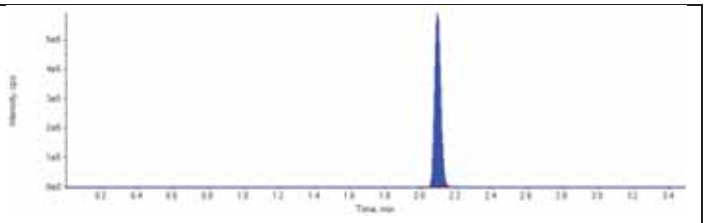
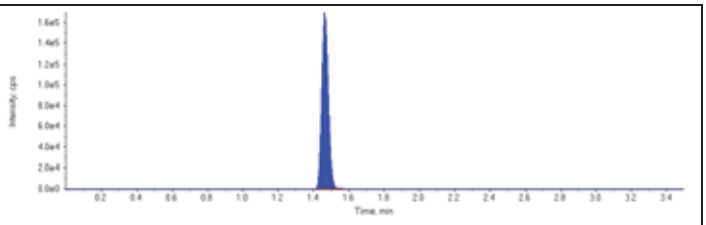
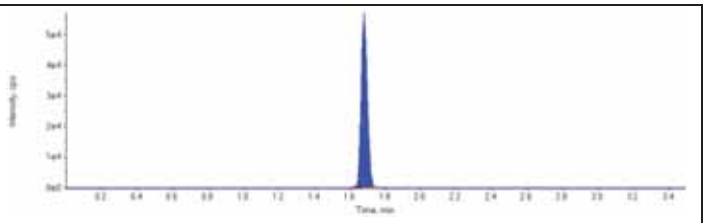
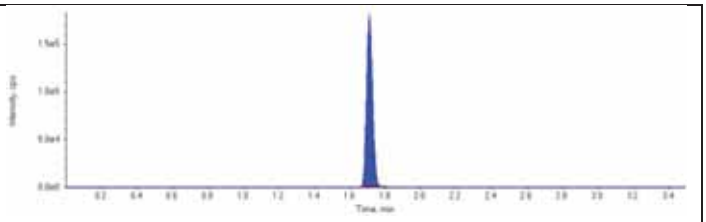
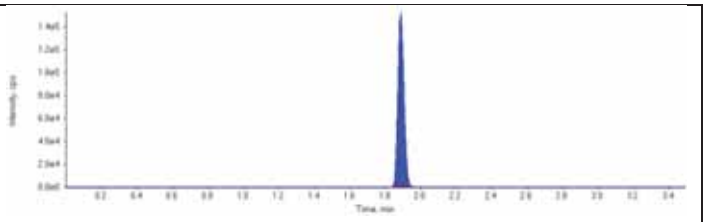
RT (Exp. RT): 1.45(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

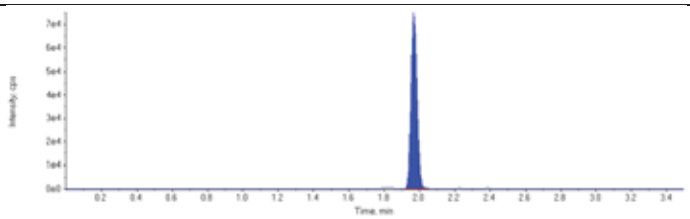
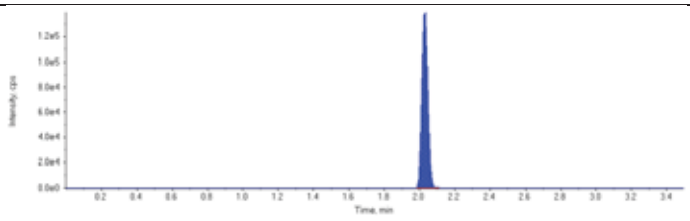
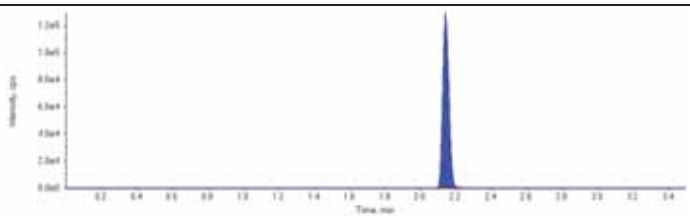
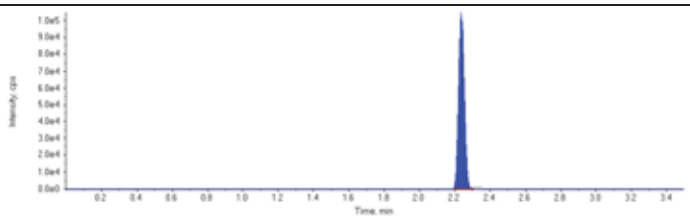
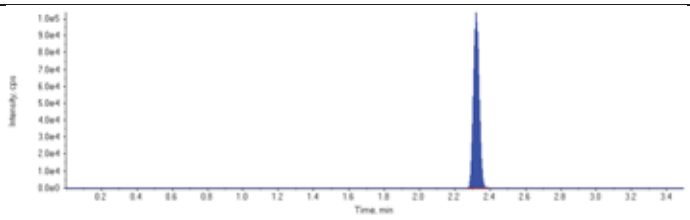
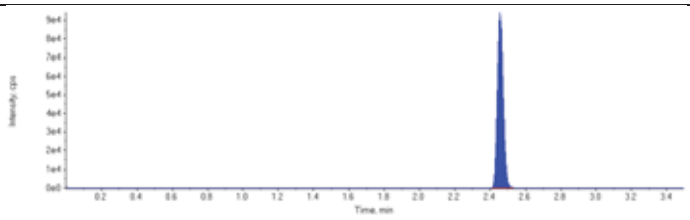


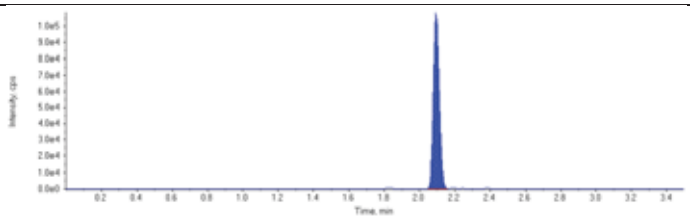
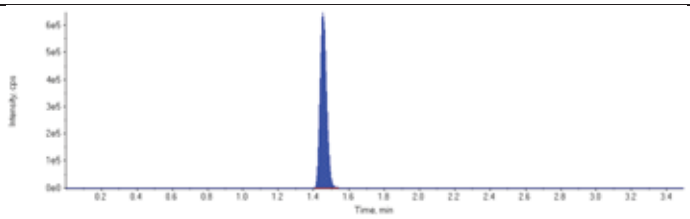
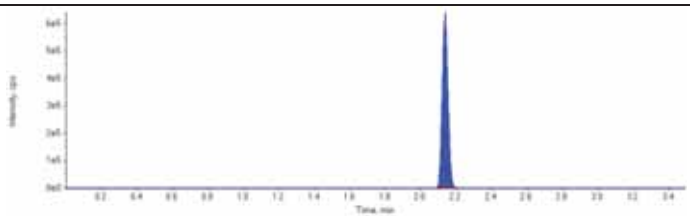
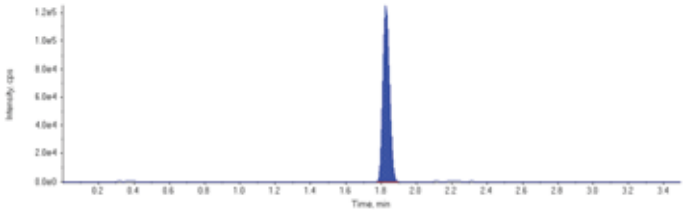
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.70 µg/L Area Ratio: 10.7 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 15.2 µg/L Area Ratio: 25.8 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 50.6 µg/L Area Ratio: 151. Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 3.25 µg/L Area Ratio: 4.62 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 17.3 µg/L Area Ratio: 26.1 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.93 (1.97) min Calculated Conc: 59.2 µg/L Area Ratio: 110. Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.738 µg/L Area Ratio: 1.08 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.0418 µg/L Area Ratio: 0.0543 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 53.2 µg/L Area Ratio: 58.8 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 3.03 µg/L Area Ratio: 5.54 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 77.7 µg/L Area Ratio: 0.274 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 75.9 µg/L Area Ratio: 0.0848 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 70.6 µg/L Area Ratio: 0.270 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 75.6 µg/L Area Ratio: 0.227 Sample Type: (Unknown)	

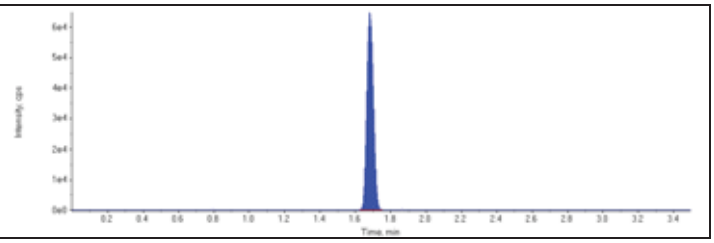
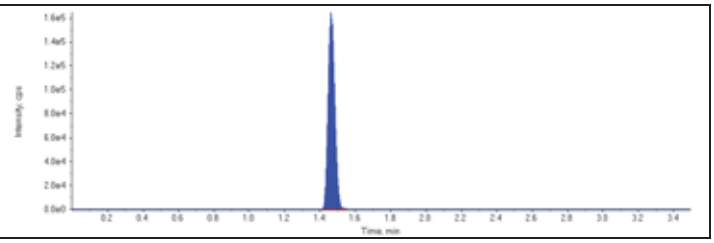
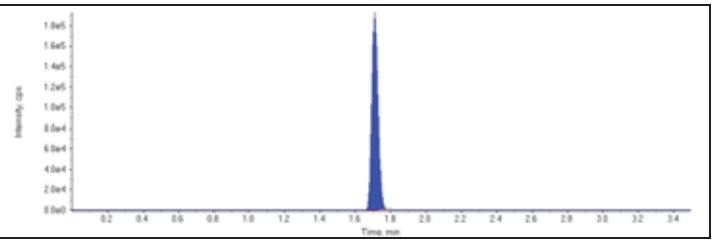
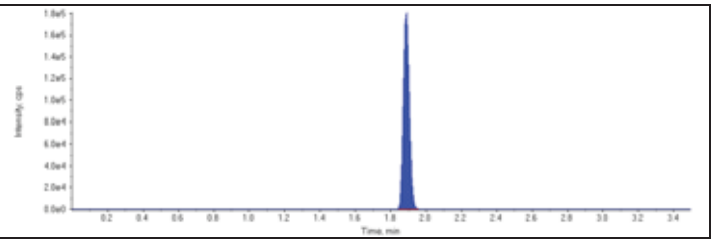
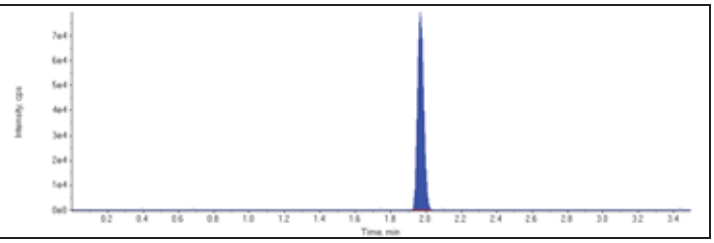
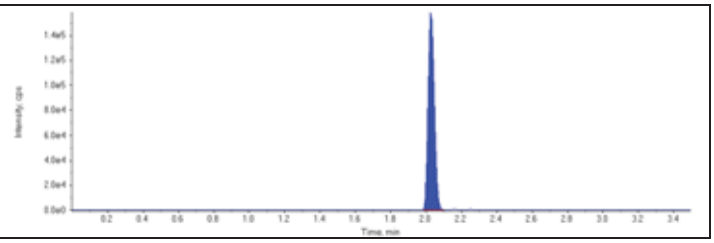
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 77.0 µg/L Area Ratio: 0.108 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 68.1 µg/L Area Ratio: 0.210 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 67.1 µg/L Area Ratio: 0.217 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 70.1 µg/L Area Ratio: 0.164 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 73.1 µg/L Area Ratio: 0.157 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 66.3 µg/L Area Ratio: 0.148 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 78.6 µg/L Area Ratio: 0.157 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 29.0 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 29.2 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 68.2 µg/L Area Ratio: 0.201 Sample Type: (Unknown)	

Sample ID	4872075~DXR291-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	29
Acquisition Date	2017/03/09 11:41:14 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reinjected to check surrogate recovery		

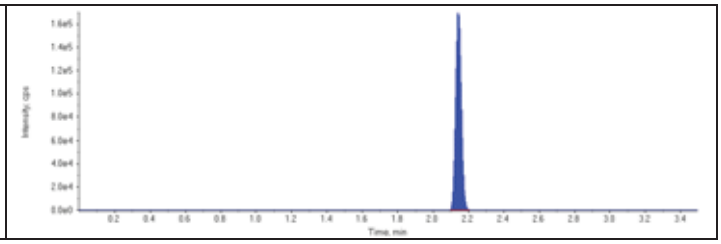
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	166000.	1.68	1.00	-
MPFHxA	427000.	1.46	1.00	-
MPFHpA	462000.	1.71	1.00	-
MPFOA	427000.	1.89	1.00	-
MPFOS	186000.	1.97	1.00	-
MPFNA	387000.	2.03	1.00	-
MPFDA	388000.	2.14	1.00	-
MPFUnA	207000.	2.24	1.00	-
MPFDoA	233000.	2.32	1.00	-
MPFTeDA	209000.	2.46	1.00	-
M2 6:2 FTS	426000.	1.83	1.00	-
M2 8:2 FTS	297000.	2.10	1.00	-
13C6-PFHxA IS	1430000.	1.45	4.17	-
13C9-PFDA IS	1480000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	984000	1.15	N/A	1.51	N/A
PFHxA 1	5270000	1.46	N/A	7.29	N/A
PFHxS 1	6940000	1.68	N/A	14.1	N/A
PFHpA 1	853000	1.71	N/A	1.26	N/A
PFOA 1	1950000	1.89	N/A	3.01	N/A
PFOS 1	7870000	1.96	N/A	22.8	N/A
PFNA 1	94400	2.03	N/A	0.157	N/A
PFDA 1	13800	2.14	N/A	0.0294	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	12900000	1.83	N/A	27.3	N/A
8:2-FTS 1	1020000	2.10	N/A	1.87	N/A
13C2-PFHxA	427000	1.46	N/A	84.8	N/A
18O2-PFHxS	166000	1.68	N/A	104.	N/A
13C4-PFHpA	462000	1.71	N/A	84.6	N/A
13C4-PFOA	427000	1.89	N/A	99.4	N/A
13C4-PFOS	186000	1.97	N/A	92.8	N/A
13C5-PFNA	387000	2.03	N/A	87.9	N/A
13C2-PFDA	388000	2.14	N/A	80.9	N/A
13C2-PFUnA	207000	2.24	N/A	59.8	N/A
13C2-PFDoA	233000	2.32	N/A	72.9	N/A
13C2-PFTeDA	209000	2.46	N/A	62.9	N/A
13C2-8:2 FTS	297000	2.10	N/A	104.	N/A
13C6-PFHxA	1430000	1.45	N/A	25.6	N/A
13C9-PFDA	1480000	2.14	N/A	30.0	N/A
13C2-6:2-FTS	426000	1.83	N/A	101.	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

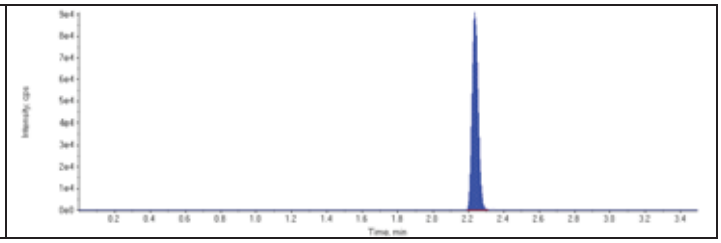
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



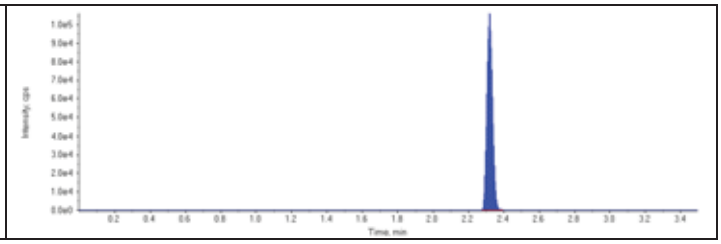
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



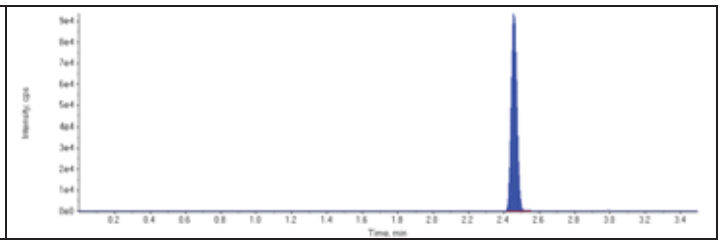
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



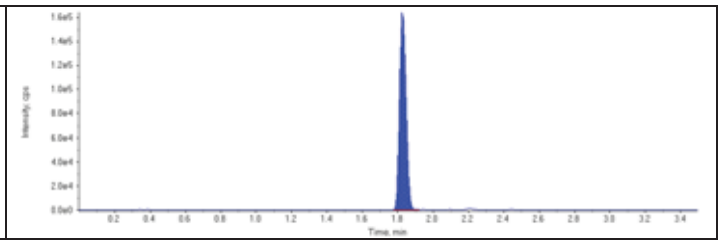
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



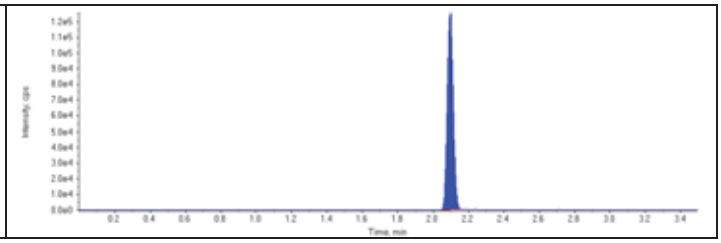
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



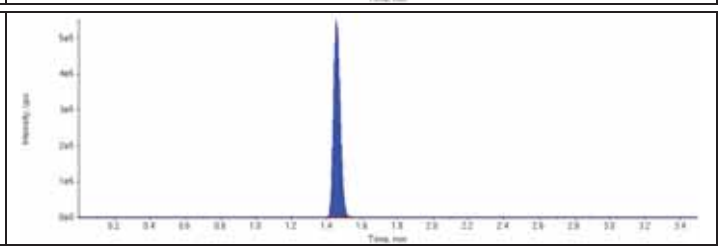
M2 8:2 FTS (Internal Standard)

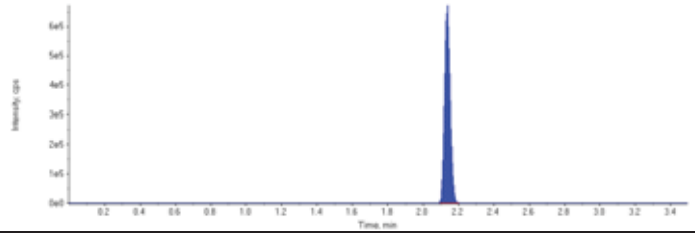
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

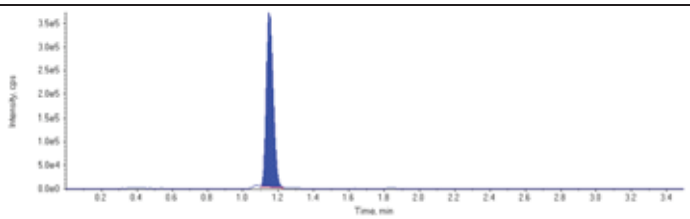
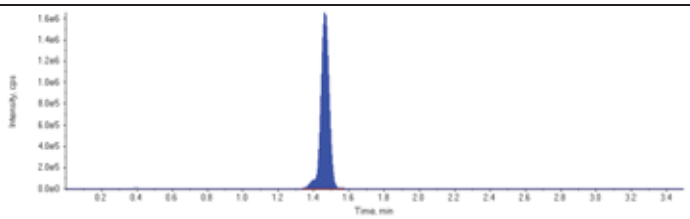
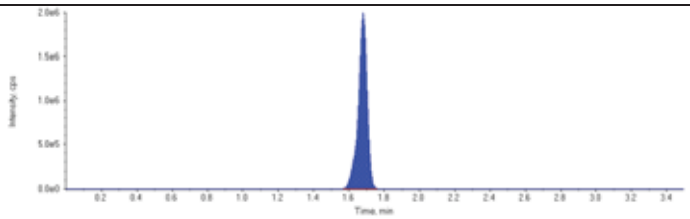
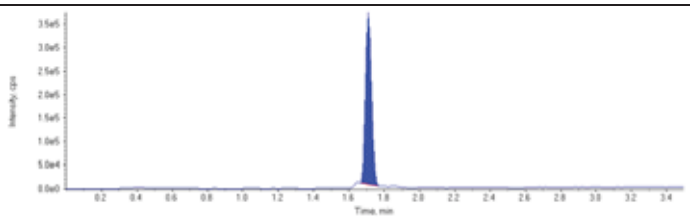
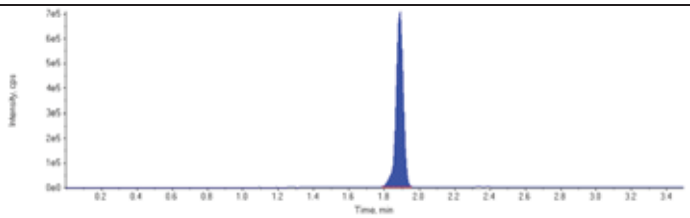
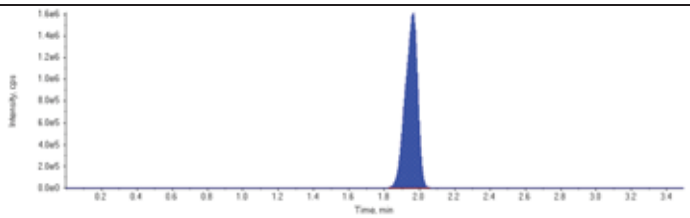


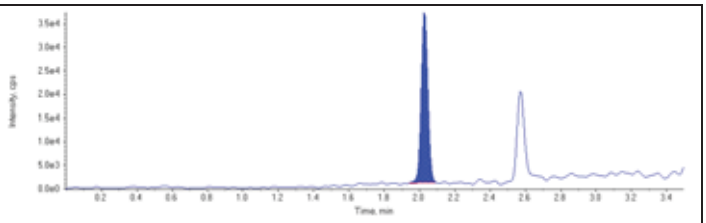
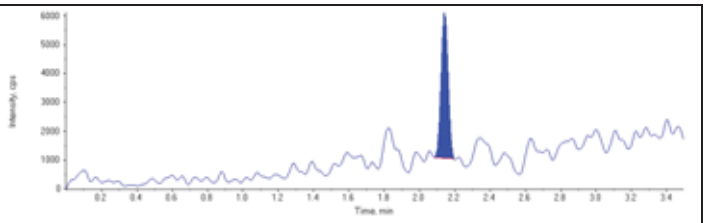
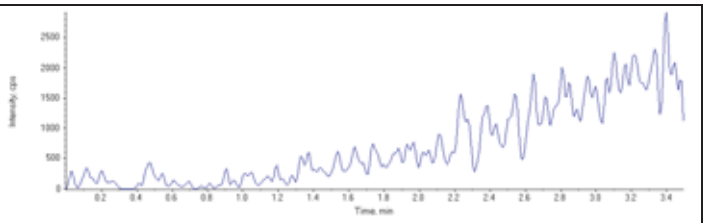
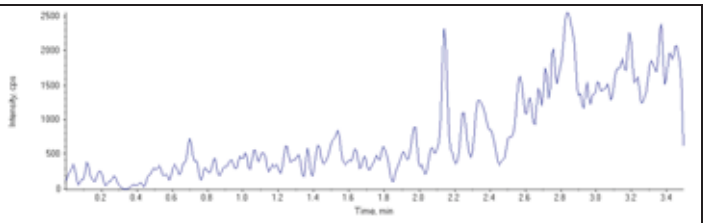
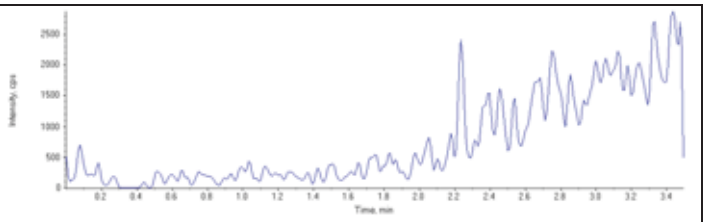
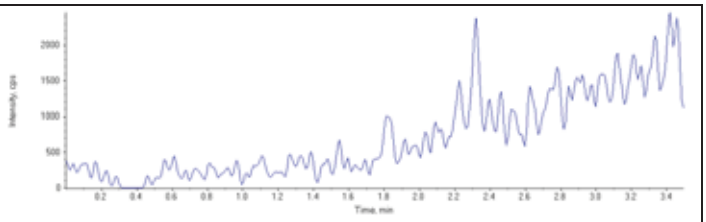
13C6-PFHxA IS (Internal Standard)

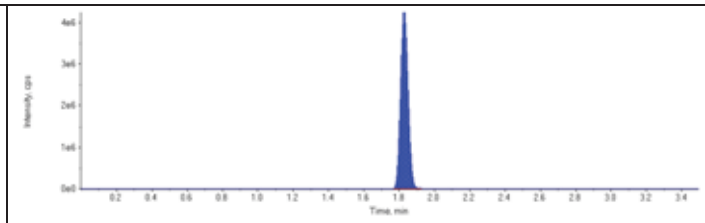
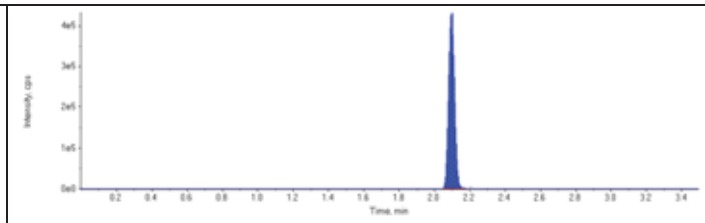
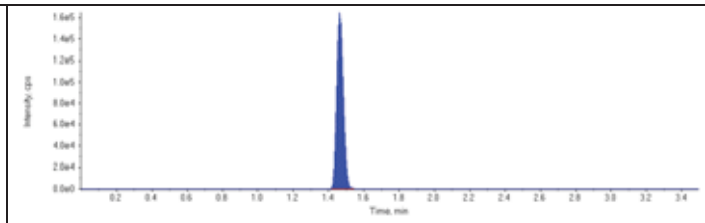
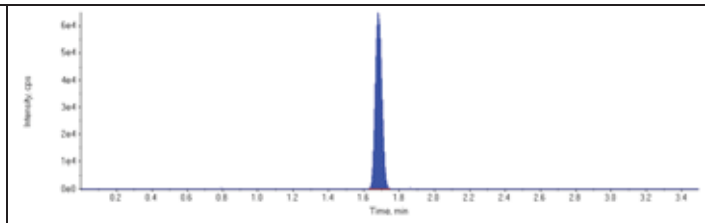
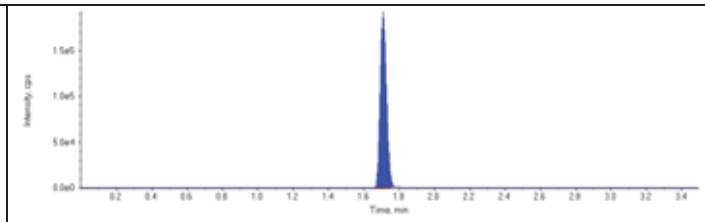
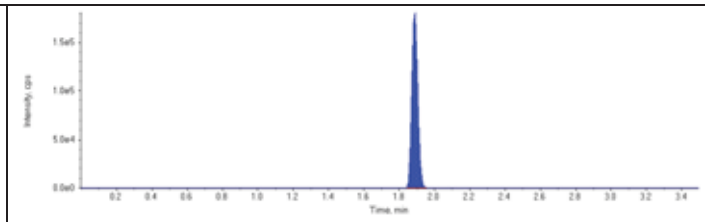
RT (Exp. RT): 1.45(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

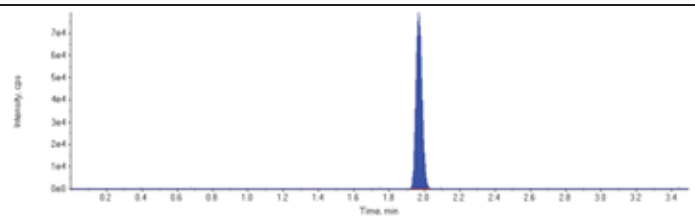
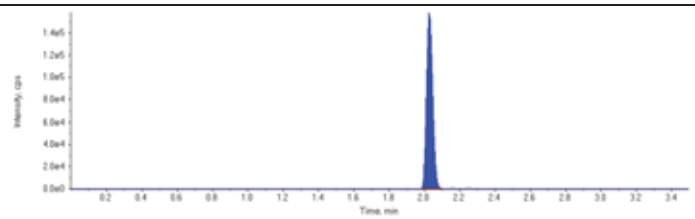
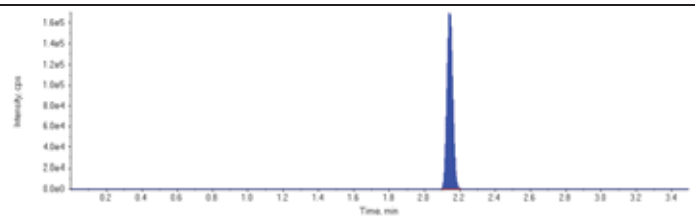
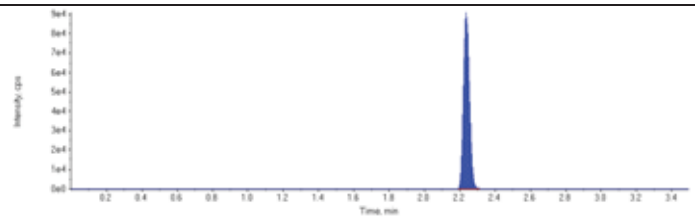
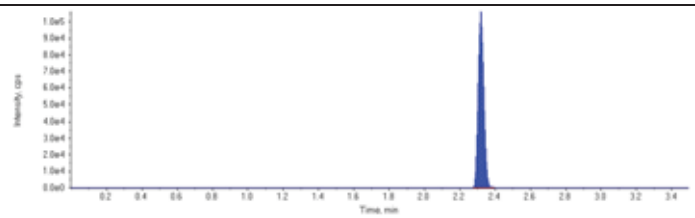
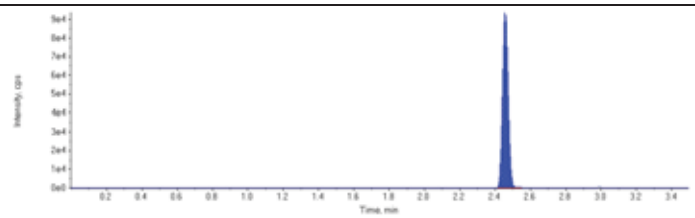


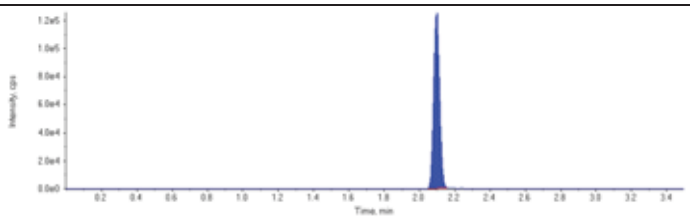
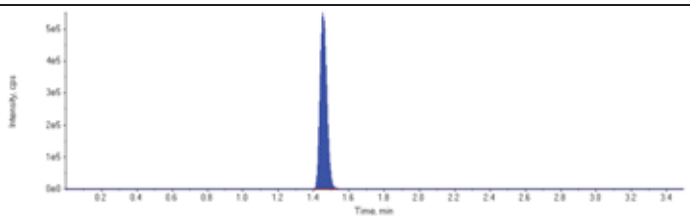
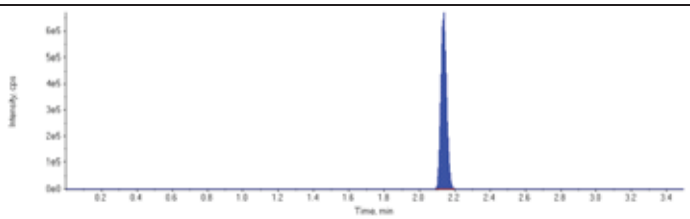
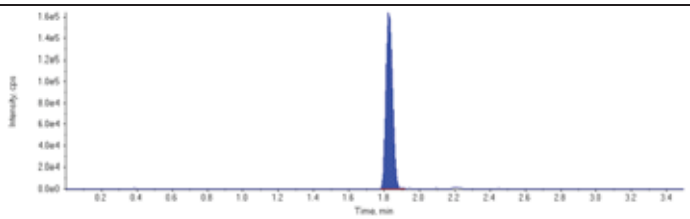
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.51 µg/L Area Ratio: 5.94 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 7.29 µg/L Area Ratio: 12.4 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 14.1 µg/L Area Ratio: 41.9 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 1.26 µg/L Area Ratio: 1.84 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 3.01 µg/L Area Ratio: 4.57 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 22.8 µg/L Area Ratio: 42.3 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.157 µg/L Area Ratio: 0.244 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.0294 µg/L Area Ratio: 0.0356 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 27.3 µg/L Area Ratio: 30.2 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 1.87 µg/L Area Ratio: 3.45 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 84.8 µg/L Area Ratio: 0.298 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 104. µg/L Area Ratio: 0.116 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 84.6 µg/L Area Ratio: 0.323 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 99.4 µg/L Area Ratio: 0.299 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 92.8 µg/L Area Ratio: 0.130 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 87.9 µg/L Area Ratio: 0.271 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 80.9 µg/L Area Ratio: 0.261 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 59.8 µg/L Area Ratio: 0.140 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 72.9 µg/L Area Ratio: 0.157 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 62.9 µg/L Area Ratio: 0.141 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 104. µg/L Area Ratio: 0.208 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 25.6 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 30.0 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 101. µg/L Area Ratio: 0.298 Sample Type: (Unknown)	

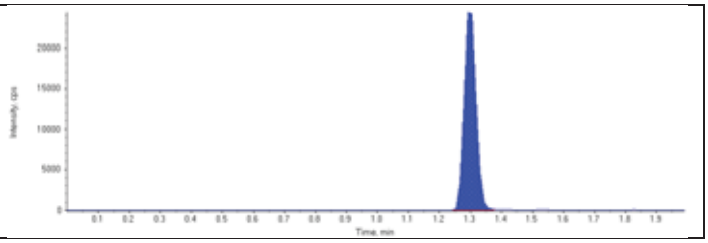
Sample ID	4872075~DXR291-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	41
Acquisition Date	2017/03/03 7:01:02 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	66300.	1.30	1.00	-
D5-EtFOSAA IS	67500.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	867000	0.964	N/A	22.4	N/A

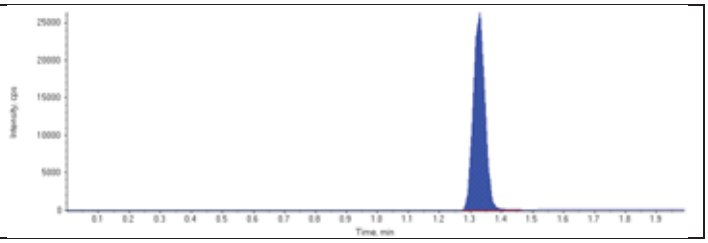
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

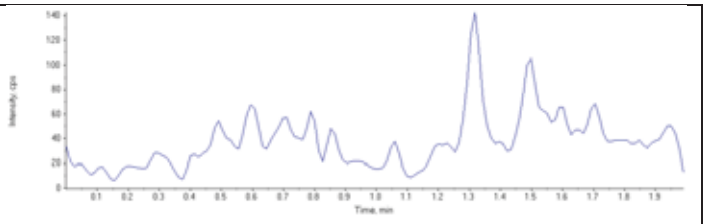
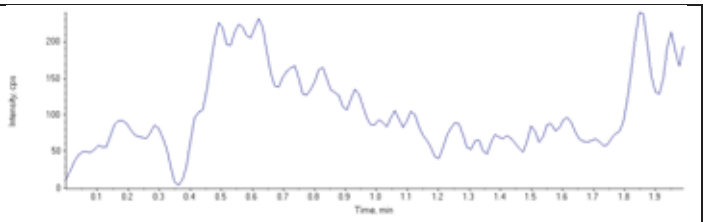
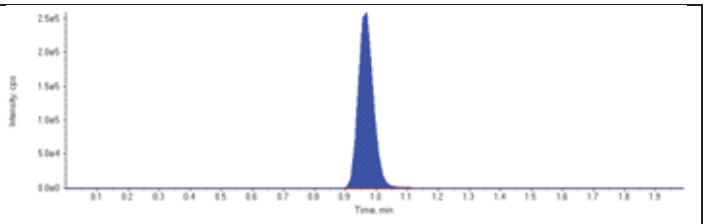
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.964 (0.855) min Calculated Conc: 22.4 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

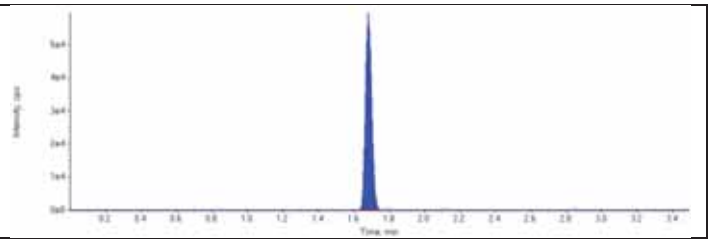
Sample ID	4872075~DXR291-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	29
Acquisition Date	2017/03/09 12:21:47 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reinjection, reported for all analytes, except PFHxS, PFOS and 6:2-FTS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	145000.	1.68	1.00	-
MPFHxA	467000.	1.46	1.00	-
MPFHpA	452000.	1.71	1.00	-
MPFOA	334000.	1.89	1.00	-
MPFOS	173000.	1.97	1.00	-
MPFNA	384000.	2.03	1.00	-
MPFDA	369000.	2.14	1.00	-
MPFUnA	229000.	2.24	1.00	-
MPFDoA	205000.	2.32	1.00	-
MPFTeDA	198000.	2.46	1.00	-
M2 6:2 FTS	386000.	1.83	1.00	-
M2 8:2 FTS	279000.	2.10	1.00	-
13C6-PFHxA IS	1610000.	1.45	4.17	-
13C9-PFDA IS	1330000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	983000	1.15	N/A	1.72	N/A
PFHxA 1	5590000	1.46	N/A	7.06	N/A
PFHxS 1	6710000	1.68	N/A	15.5	N/A
PFHpA 1	798000	1.71	N/A	1.21	N/A
PFOA 1	1770000	1.89	N/A	3.49	N/A
PFOS 1	7820000	1.96	N/A	24.3	N/A
PFNA 1	81000	2.03	N/A	0.134	N/A
PFDA 1	12100	2.14	N/A	0.0277	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	11700000	1.83	N/A	27.4	N/A
8:2-FTS 1	940000	2.10	N/A	1.82	N/A
13C2-PFHxA	467000	1.46	N/A	82.3	N/A
18O2-PFHxS	145000	1.68	N/A	80.7	N/A
13C4-PFHpA	452000	1.71	N/A	73.3	N/A
13C4-PFOA	334000	1.89	N/A	68.8	N/A
13C4-PFOS	173000	1.97	N/A	76.6	N/A
13C5-PFNA	384000	2.03	N/A	77.2	N/A
13C2-PFDA	369000	2.14	N/A	85.7	N/A
13C2-PFUnA	229000	2.24	N/A	73.5	N/A
13C2-PFDoA	205000	2.32	N/A	71.4	N/A
13C2-PFTeDA	198000	2.46	N/A	66.5	N/A
13C2-8:2 FTS	279000	2.10	N/A	86.7	N/A
13C6-PFHxA	1610000	1.45	N/A	28.9	N/A
13C9-PFDA	1330000	2.14	N/A	26.9	N/A
13C2-6:2-FTS	386000	1.83	N/A	81.1	N/A

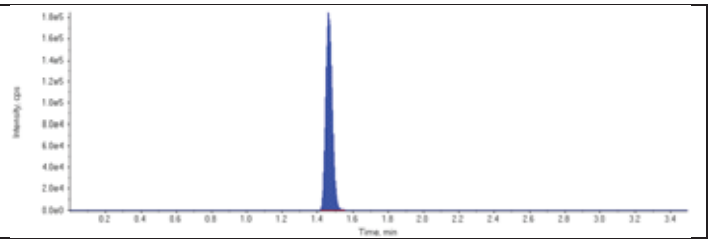
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



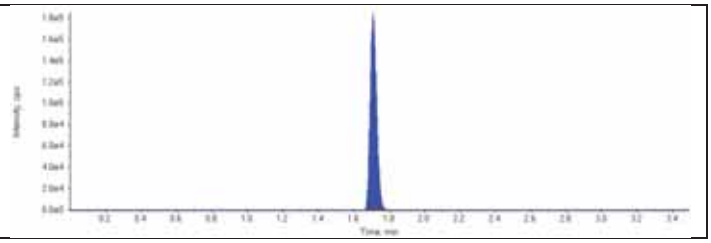
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



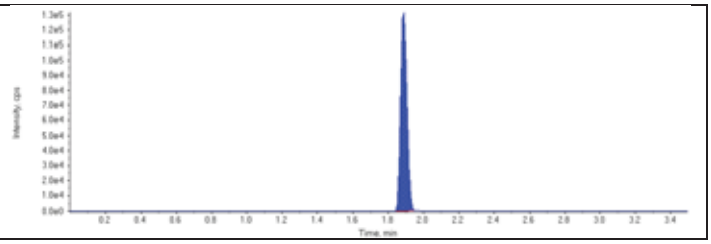
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



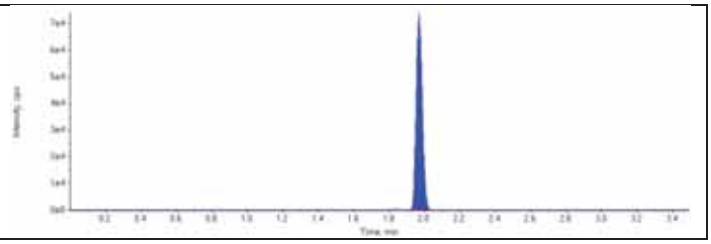
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



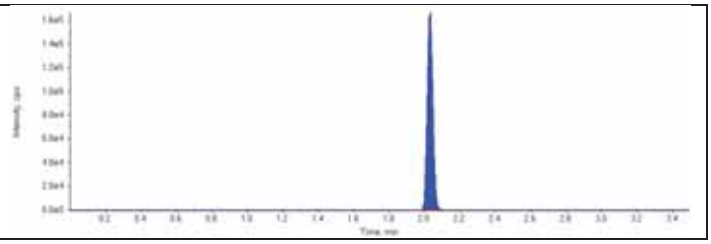
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



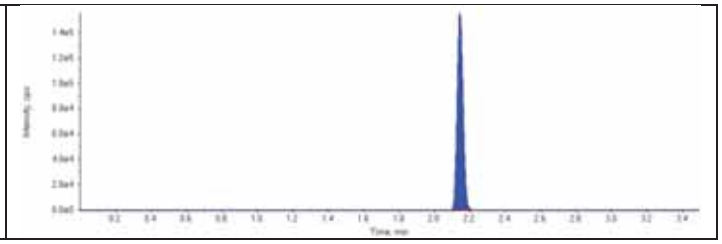
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



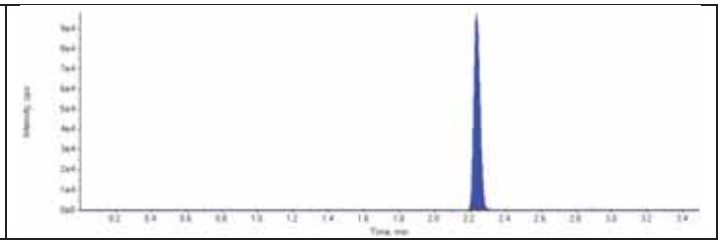
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



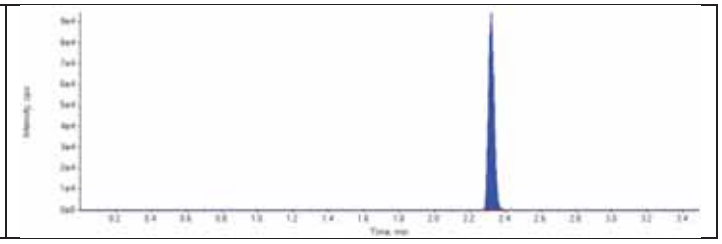
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



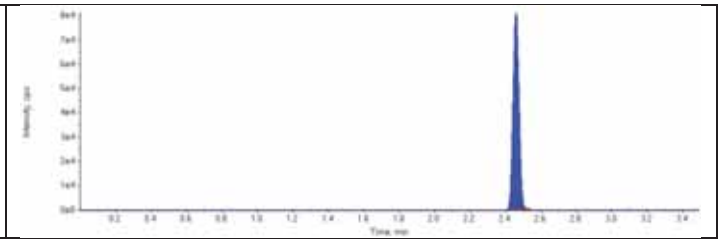
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



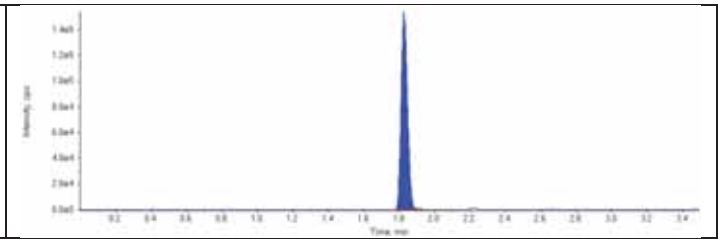
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



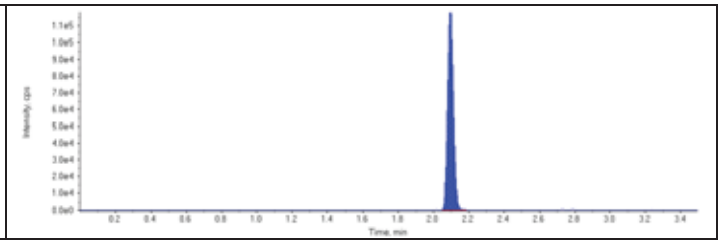
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



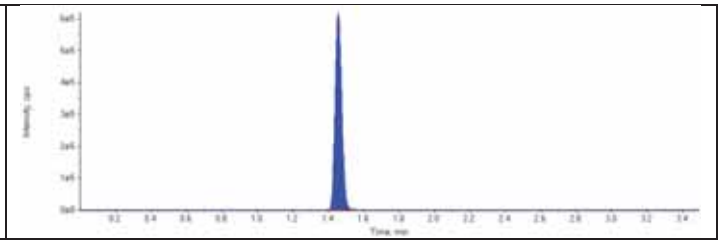
M2 8:2 FTS (Internal Standard)

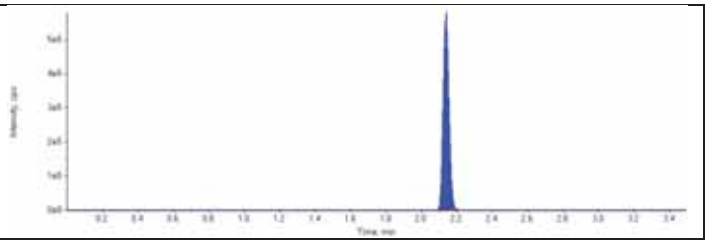
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

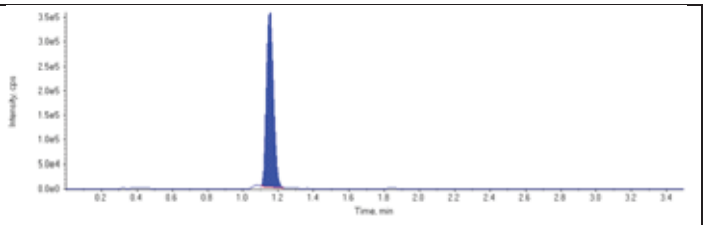
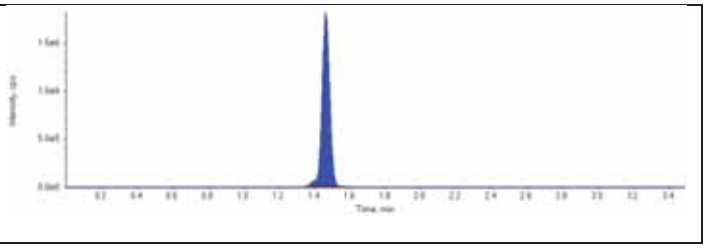
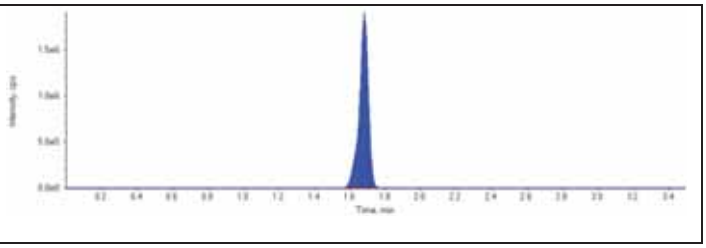
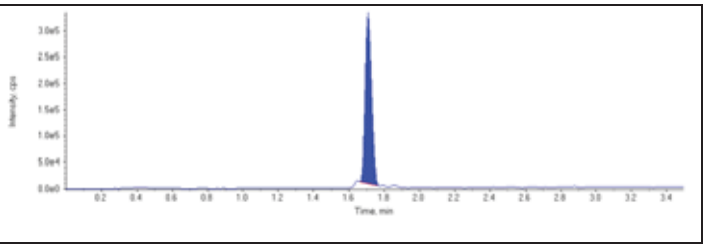
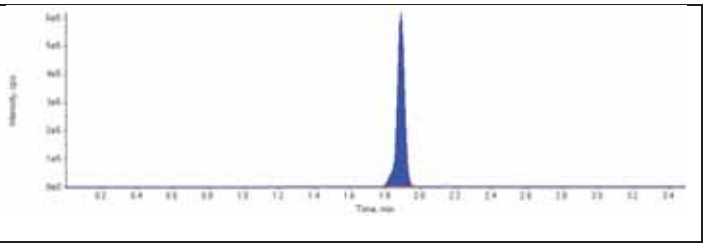
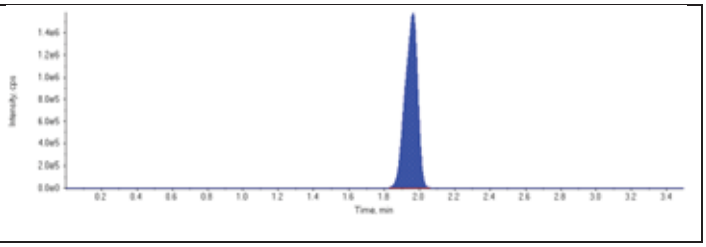


13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.45(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.72 µg/L Area Ratio: 6.76 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 7.06 µg/L Area Ratio: 12.0 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 15.5 µg/L Area Ratio: 46.2 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 1.21 µg/L Area Ratio: 1.77 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 3.49 µg/L Area Ratio: 5.30 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 24.3 µg/L Area Ratio: 45.2 Sample Type: (Unknown)	

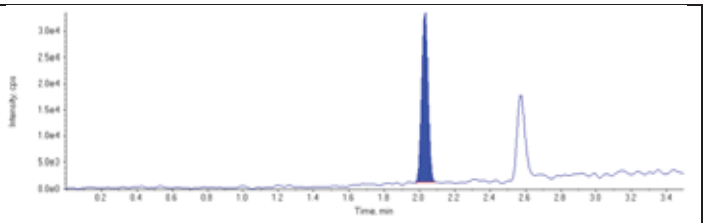
PFNA 1 (462.900/419.000 Da)

RT (Exp. RT): 2.03 (2.02) min

Calculated Conc: 0.134 µg/L

Area Ratio: 0.211

Sample Type: (Unknown)



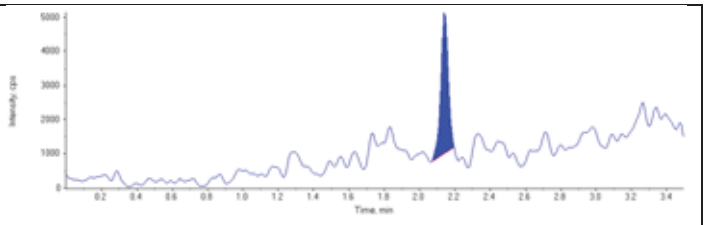
PFDA 1 (513.000/469.100 Da)

RT (Exp. RT): 2.14 (2.14) min

Calculated Conc: 0.0277 µg/L

Area Ratio: 0.0329

Sample Type: (Unknown)



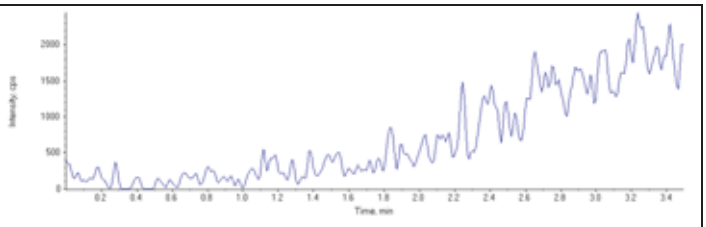
PFUnA 1 (562.900/519.000 Da)

RT (Exp. RT): 0.00 (2.24) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



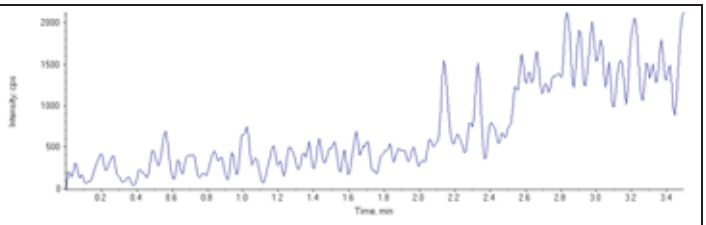
PFDoA 1 (612.900/569.000 Da)

RT (Exp. RT): 0.00 (2.32) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



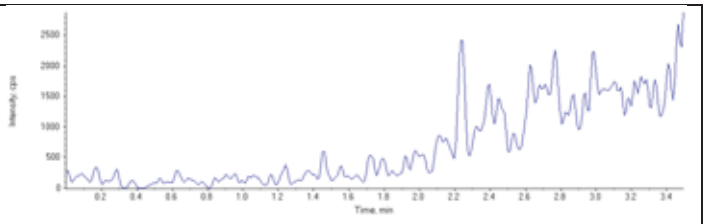
PFTrDA 1 (663.000/619.000 Da)

RT (Exp. RT): 0.00 (2.40) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



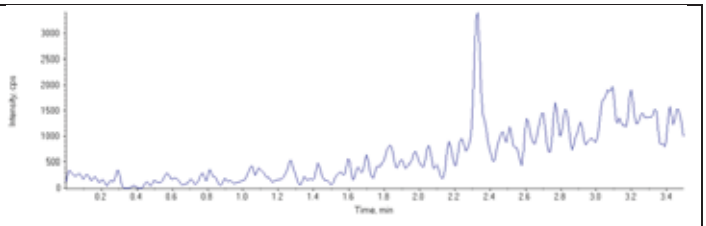
PFTeDA 1 (713.000/669.000 Da)

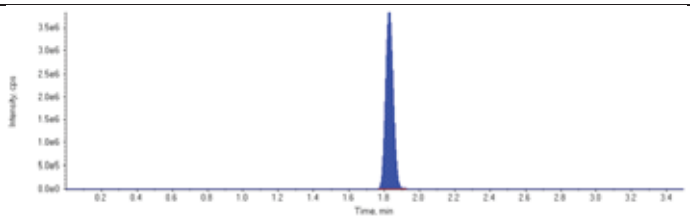
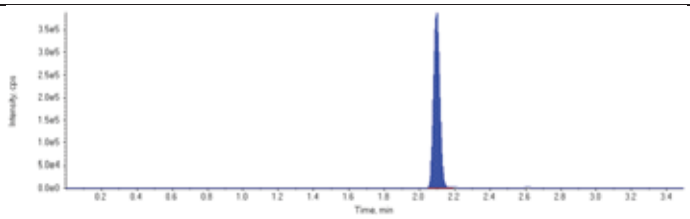
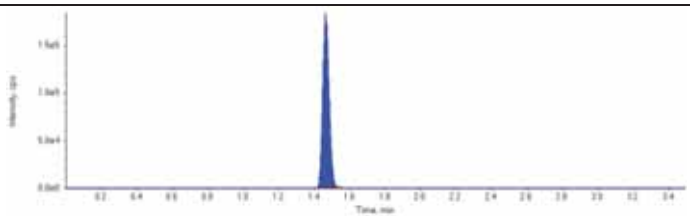
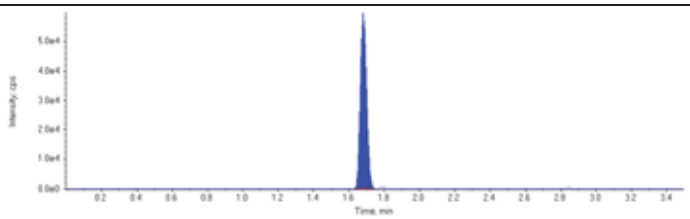
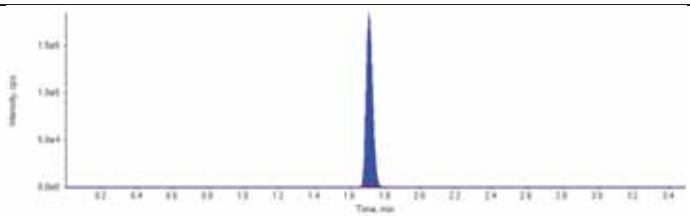
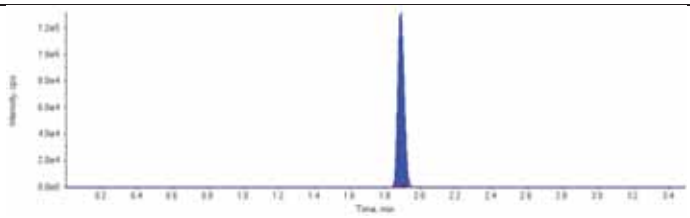
RT (Exp. RT): 0.00 (2.46) min

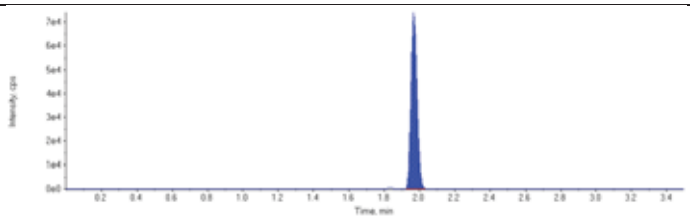
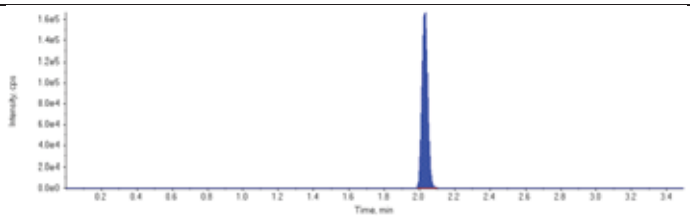
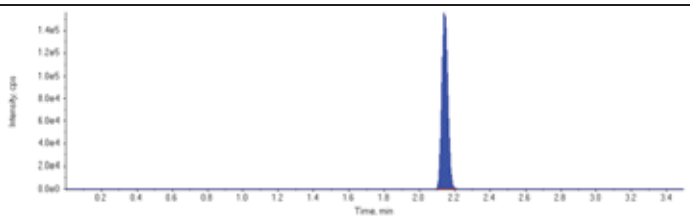
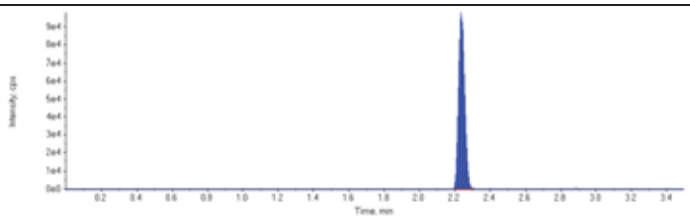
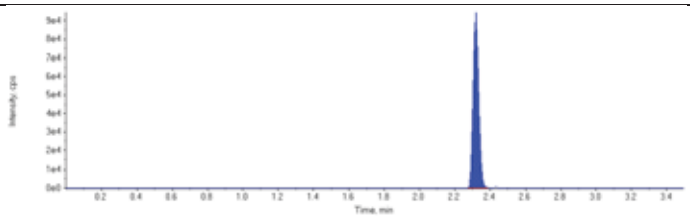
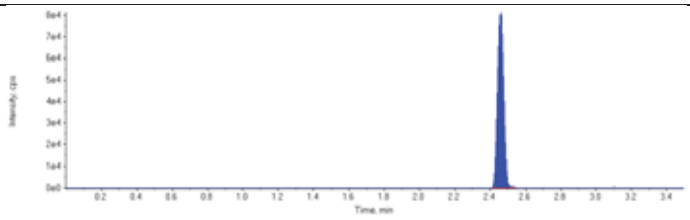
Calculated Conc: N/A µg/L

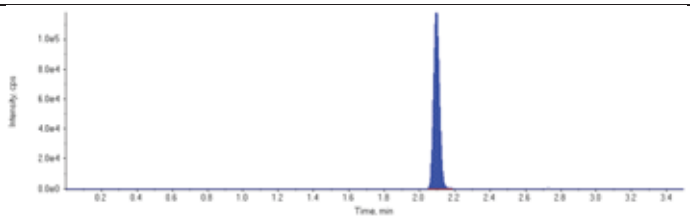
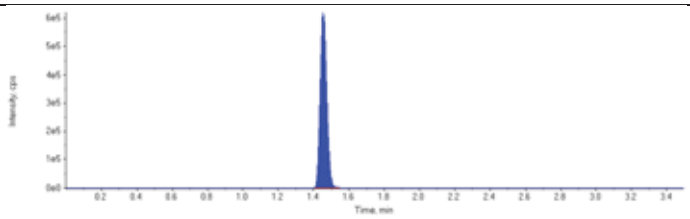
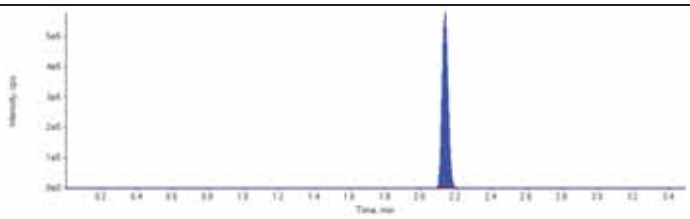
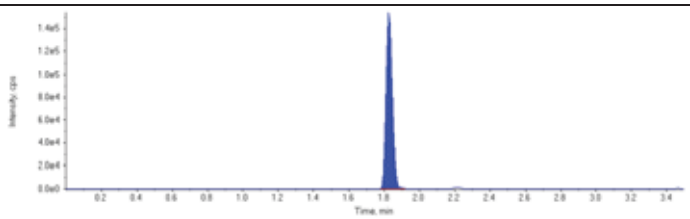
Area Ratio: 0.00

Sample Type: (Unknown)



6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 27.4 µg/L Area Ratio: 30.3 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 1.82 µg/L Area Ratio: 3.37 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 82.3 µg/L Area Ratio: 0.290 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 80.7 µg/L Area Ratio: 0.0902 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 73.3 µg/L Area Ratio: 0.280 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 68.8 µg/L Area Ratio: 0.207 Sample Type: (Unknown)	

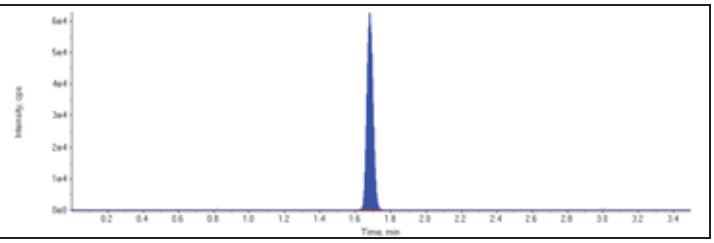
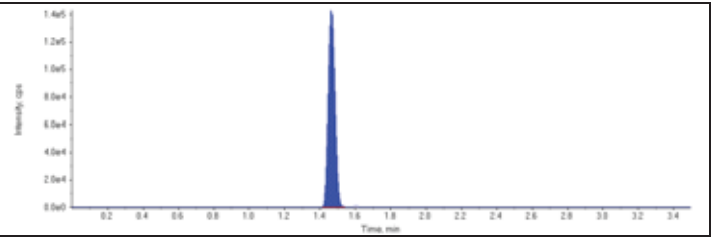
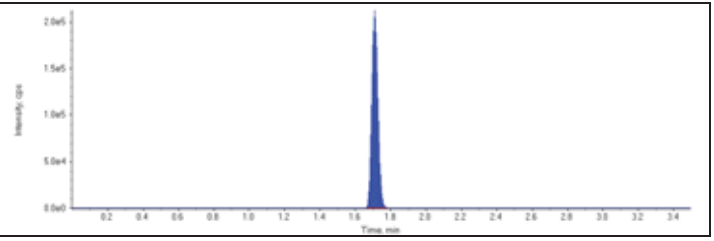
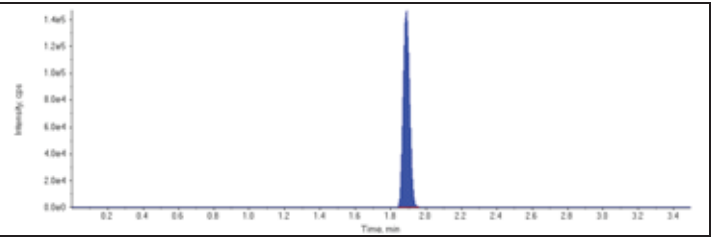
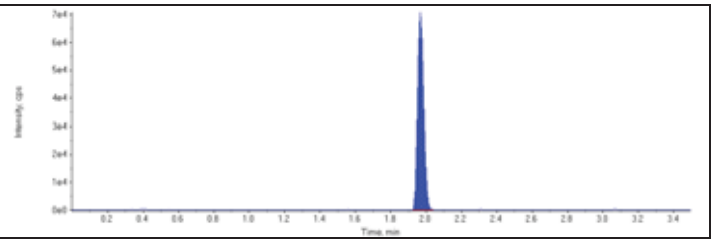
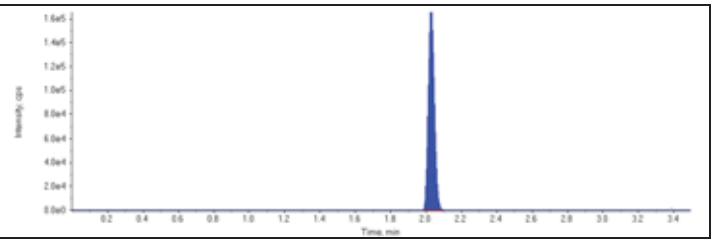
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 76.6 µg/L Area Ratio: 0.107 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 77.2 µg/L Area Ratio: 0.238 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 85.7 µg/L Area Ratio: 0.277 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 73.5 µg/L Area Ratio: 0.172 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 71.4 µg/L Area Ratio: 0.154 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 66.5 µg/L Area Ratio: 0.149 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 86.7 µg/L Area Ratio: 0.173 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 28.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 26.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 81.1 µg/L Area Ratio: 0.239 Sample Type: (Unknown)	

Sample ID	4872075~DXR292-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	30
Acquisition Date	2017/03/09 11:46:17 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for all analytes, except PFHxA, PFHxS, PFOS and 6:2-FTS		

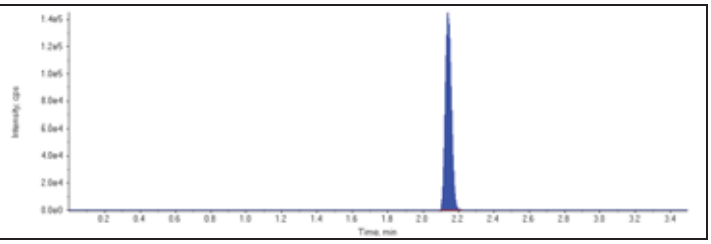
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	149000.	1.68	1.00	-
MPFHxA	383000.	1.46	1.00	-
MPFHpA	493000.	1.71	1.00	-
MPFOA	370000.	1.89	1.00	-
MPFOS	167000.	1.97	1.00	-
MPFNA	402000.	2.03	1.00	-
MPFDA	343000.	2.14	1.00	-
MPFUnA	212000.	2.24	1.00	-
MPFDoA	211000.	2.32	1.00	-
MPFTeDA	191000.	2.46	1.00	-
M2 6:2 FTS	366000.	1.83	1.00	-
M2 8:2 FTS	243000.	2.10	1.00	-
13C6-PFHxA IS	1440000.	1.46	4.17	-
13C9-PFDA IS	1320000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1400000	1.15	N/A	2.39	N/A
PFHxA 1	7670000	1.46	N/A	11.8	N/A
PFHxS 1	10700000	1.68	N/A	24.1	N/A
PFHpA 1	1880000	1.71	N/A	2.68	N/A
PFOA 1	4420000	1.89	N/A	7.92	N/A
PFOS 1	14500000	1.96	N/A	47.0	N/A
PFNA 1	190000	2.03	N/A	0.316	N/A
PFDA 1	34300	2.14	N/A	0.0719	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	13800000	1.83	N/A	34.1	N/A
8:2-FTS 1	3920000	2.10	N/A	8.93	N/A
13C2-PFHxA	383000	1.46	N/A	75.2	N/A
18O2-PFHxS	149000	1.68	N/A	92.1	N/A
13C4-PFHpA	493000	1.71	N/A	89.1	N/A
13C4-PFOA	370000	1.89	N/A	85.1	N/A
13C4-PFOS	167000	1.97	N/A	82.4	N/A
13C5-PFNA	402000	2.03	N/A	90.3	N/A
13C2-PFDA	343000	2.14	N/A	80.4	N/A
13C2-PFUnA	212000	2.24	N/A	68.6	N/A
13C2-PFDoA	211000	2.32	N/A	74.1	N/A
13C2-PFTeDA	191000	2.46	N/A	64.6	N/A
13C2-8:2 FTS	243000	2.10	N/A	84.3	N/A
13C6-PFHxA	1440000	1.46	N/A	25.9	N/A
13C9-PFDA	1320000	2.14	N/A	26.7	N/A
13C2-6:2-FTS	366000	1.83	N/A	85.9	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

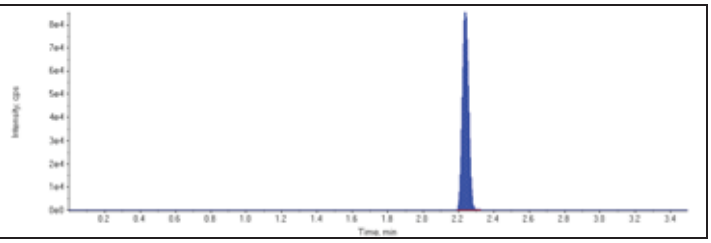
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



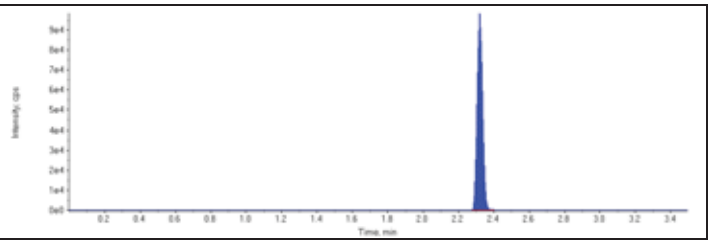
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



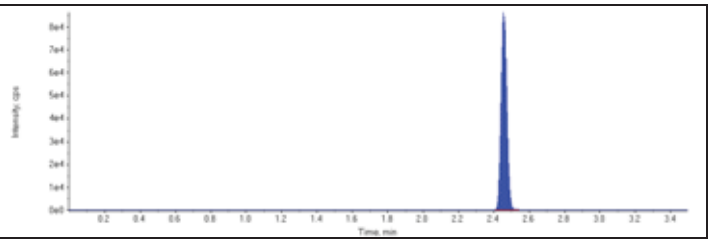
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



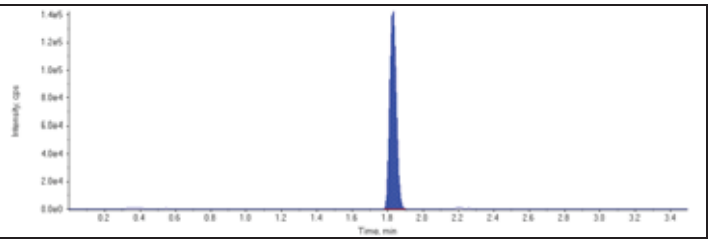
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



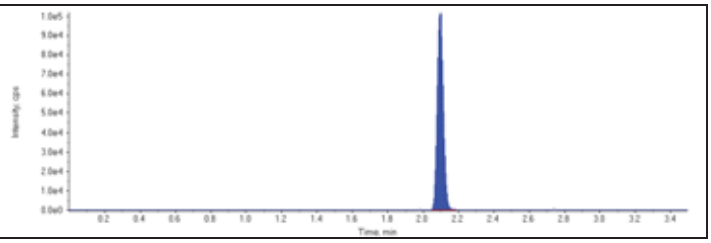
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



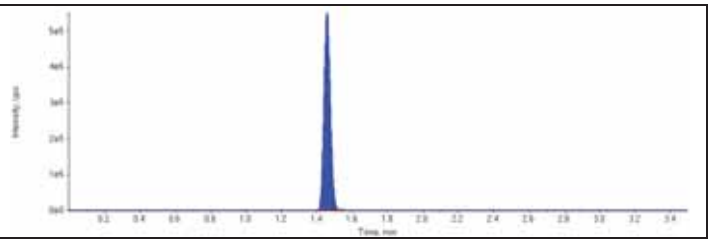
M2 8:2 FTS (Internal Standard)

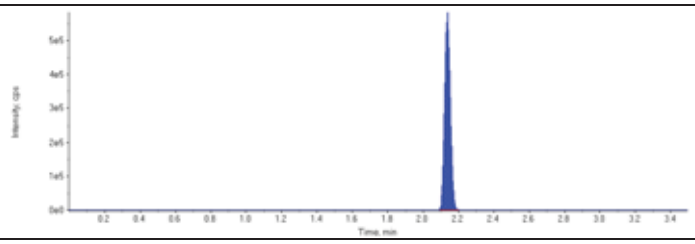
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

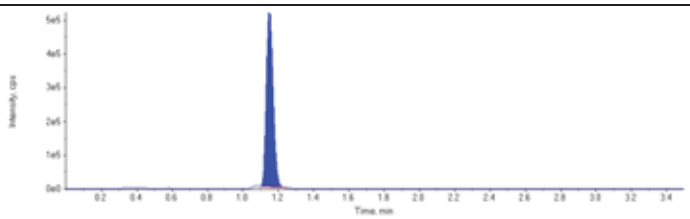
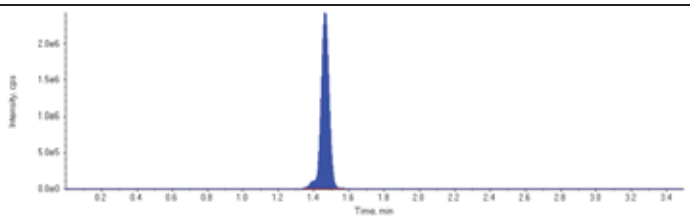
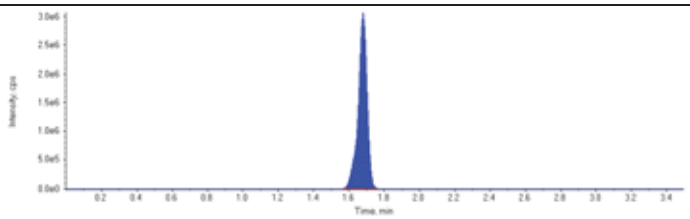
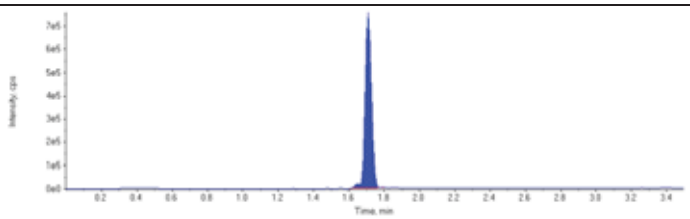
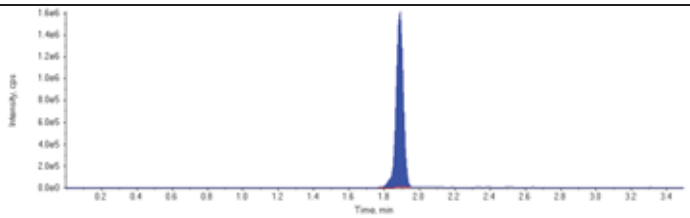
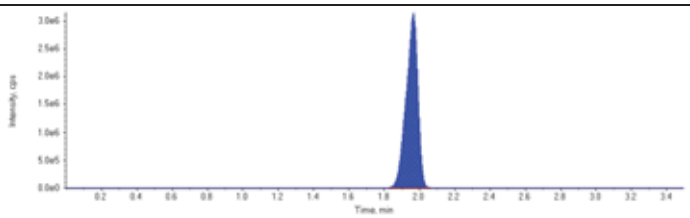


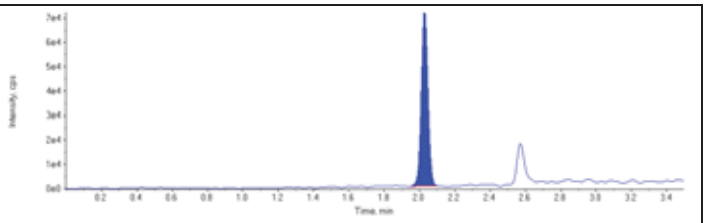
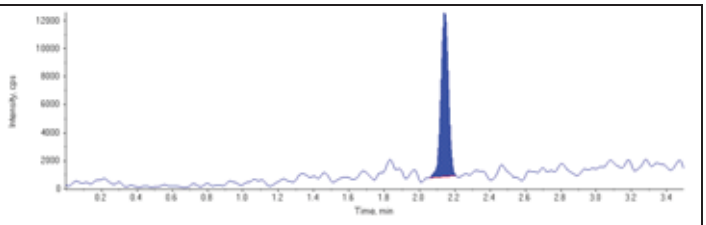
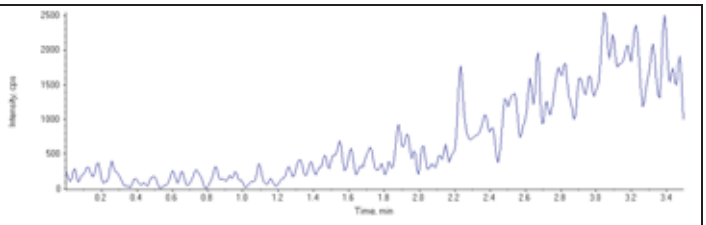
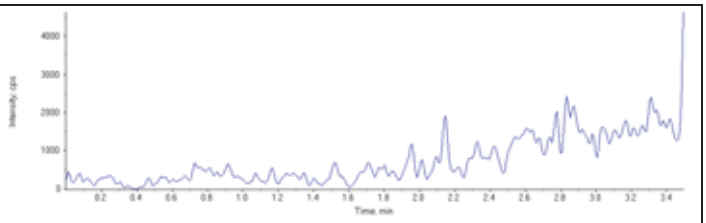
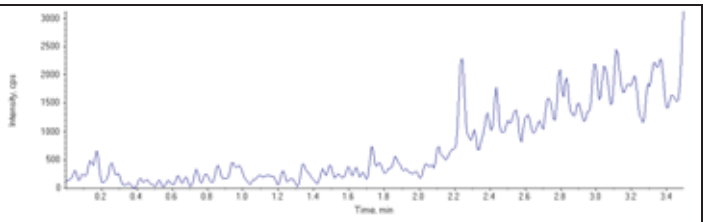
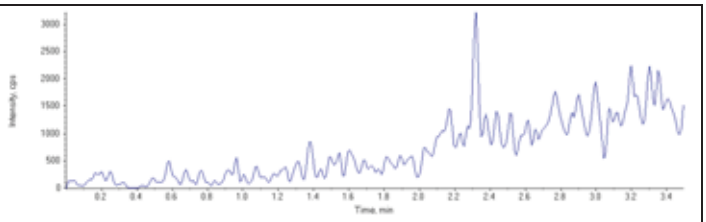
13C6-PFHxA IS (Internal Standard)

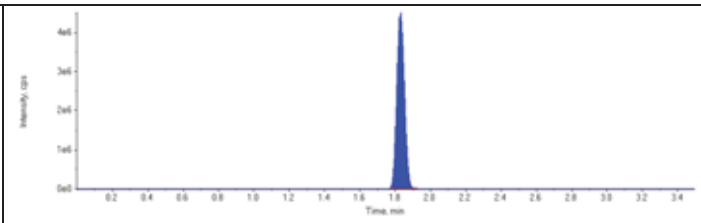
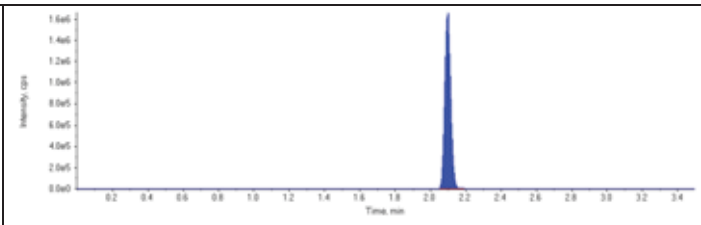
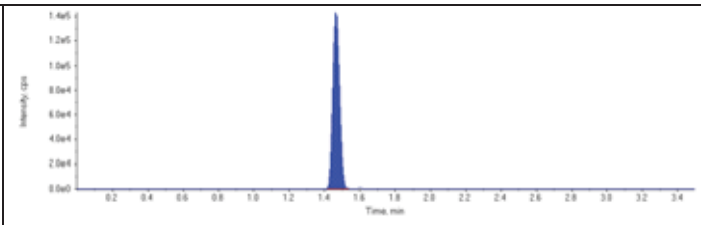
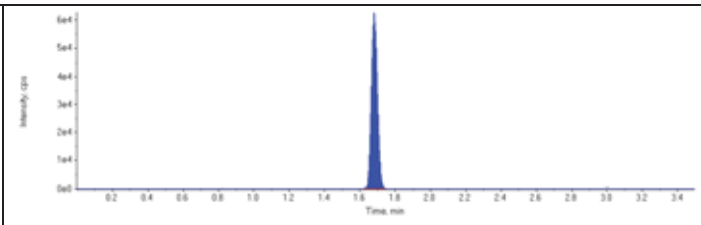
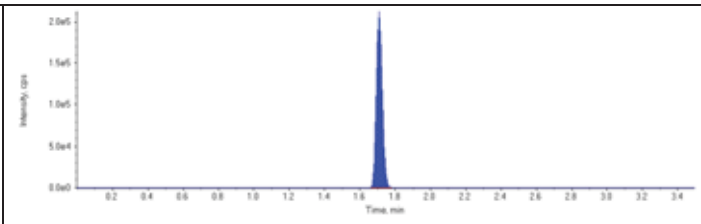
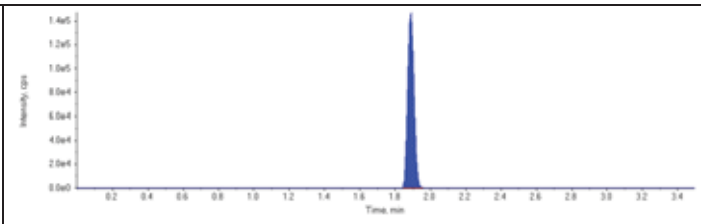
RT (Exp. RT): 1.46(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

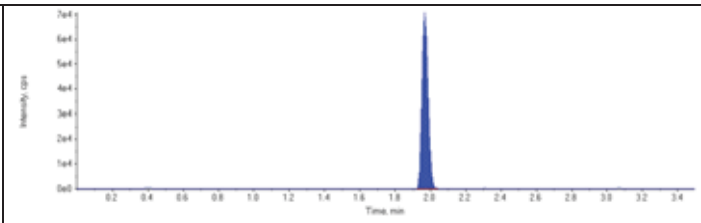
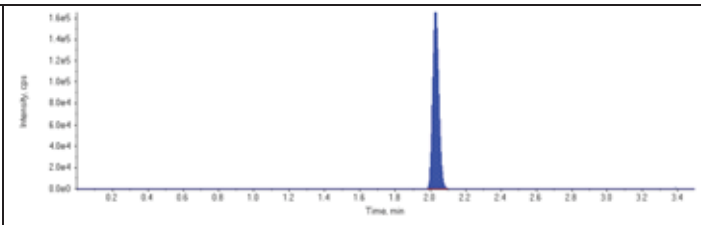
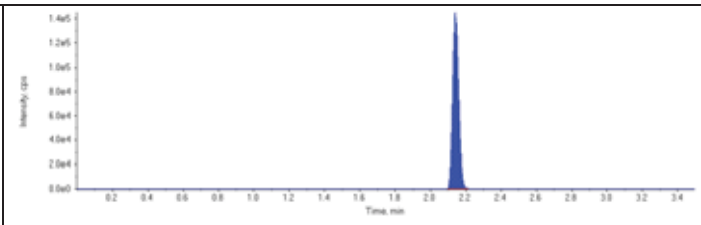
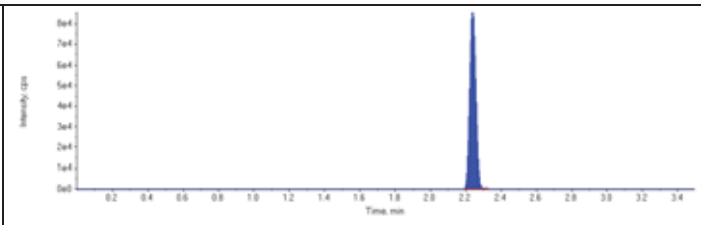
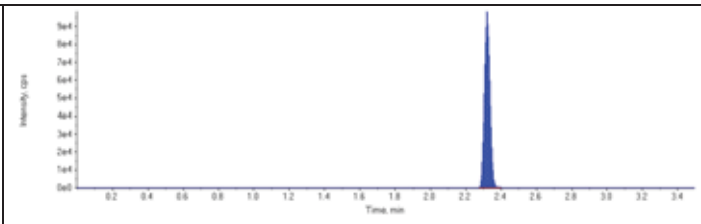
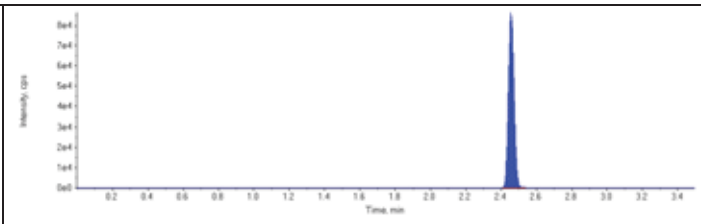


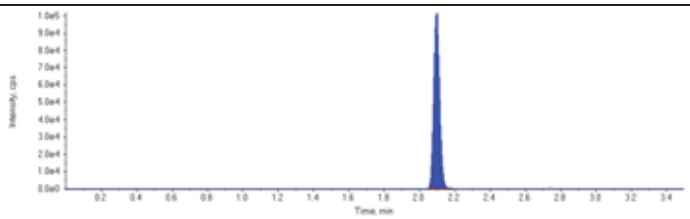
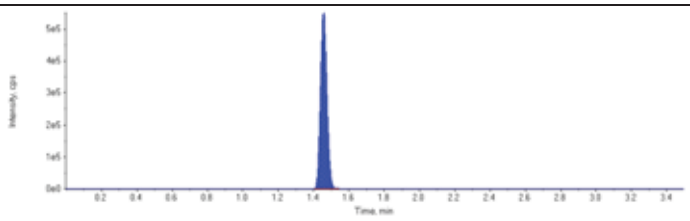
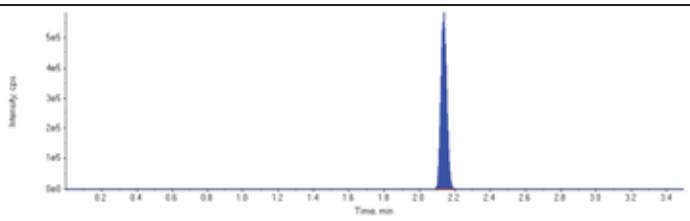
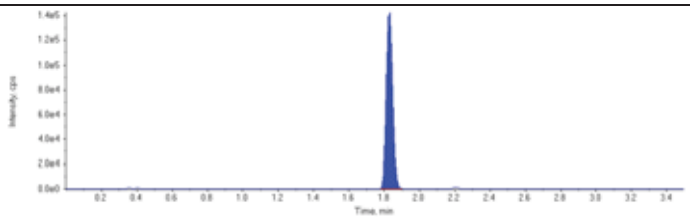
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.39 µg/L Area Ratio: 9.41 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 11.8 µg/L Area Ratio: 20.0 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 24.1 µg/L Area Ratio: 71.6 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 2.68 µg/L Area Ratio: 3.82 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 7.92 µg/L Area Ratio: 11.9 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 47.0 µg/L Area Ratio: 87.2 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.316 µg/L Area Ratio: 0.471 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.0719 µg/L Area Ratio: 0.100 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 34.1 µg/L Area Ratio: 37.7 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 8.93 µg/L Area Ratio: 16.2 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 75.2 µg/L Area Ratio: 0.265 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 92.1 µg/L Area Ratio: 0.103 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 89.1 µg/L Area Ratio: 0.341 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 85.1 µg/L Area Ratio: 0.256 Sample Type: (Unknown)	

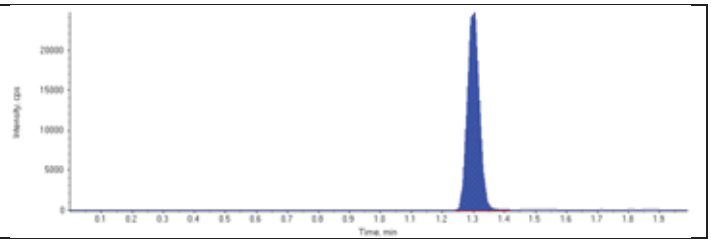
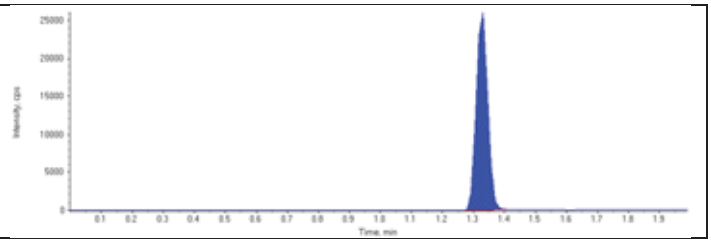
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 82.4 µg/L Area Ratio: 0.115 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 90.3 µg/L Area Ratio: 0.278 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 80.4 µg/L Area Ratio: 0.260 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 68.6 µg/L Area Ratio: 0.160 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 74.1 µg/L Area Ratio: 0.160 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 64.6 µg/L Area Ratio: 0.145 Sample Type: (Unknown)	

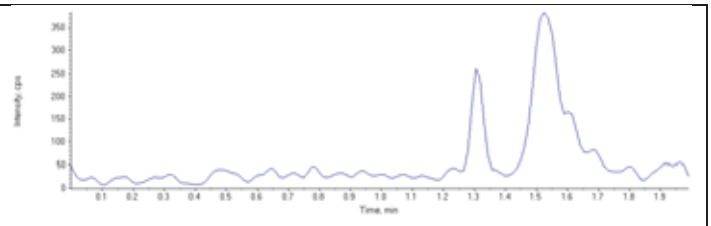
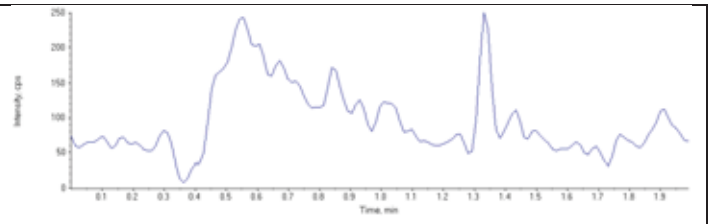
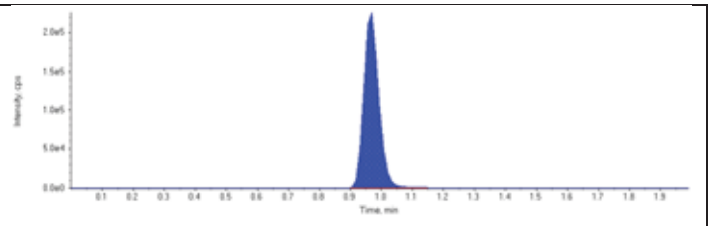
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 84.3 µg/L Area Ratio: 0.168 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 25.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 26.7 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 85.9 µg/L Area Ratio: 0.253 Sample Type: (Unknown)	

Sample ID	4872075~DXR292-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	42
Acquisition Date	2017/03/03 7:03:36 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	66400.	1.30	1.00	-
D5-EtFOSAA IS	67100.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	761000	0.965	N/A	19.7	N/A

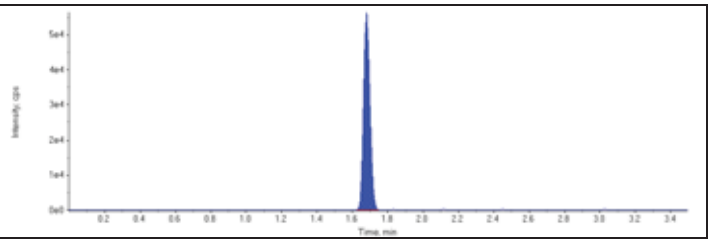
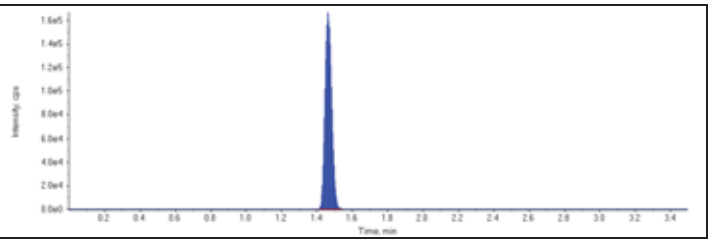
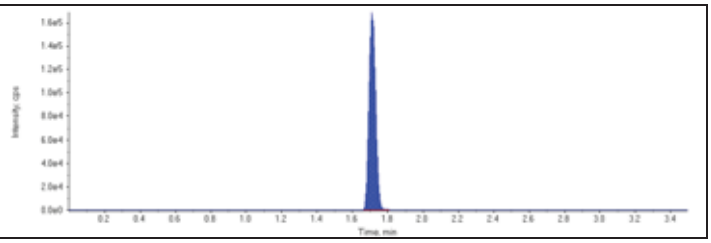
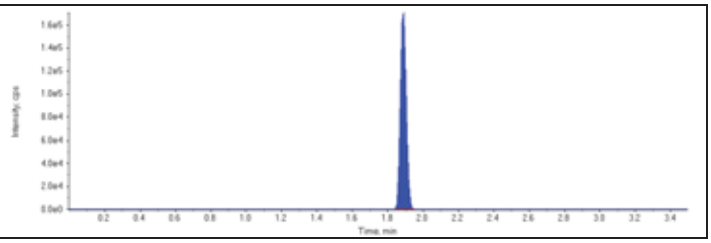
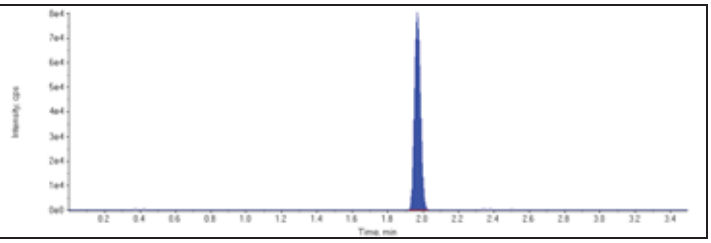
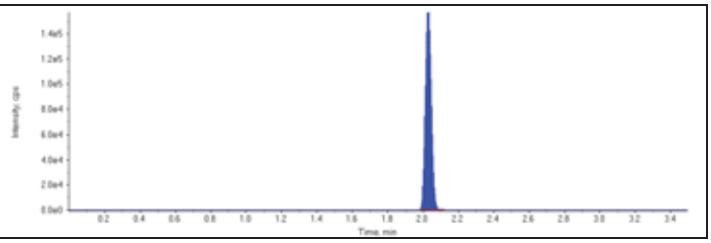
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.965 (0.855) min Calculated Conc: 19.7 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR292-01:D1:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	31
Acquisition Date	2017/03/09 11:51:22 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for all analytes, except PFHxA, PFHxS, PFOS and 6:2-FTS		

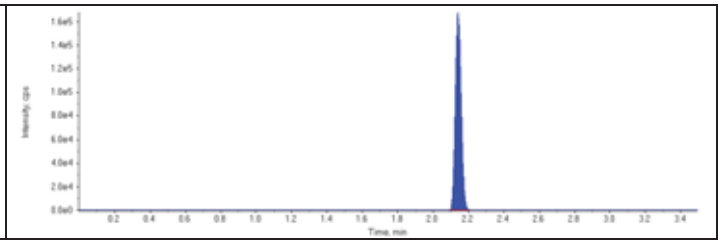
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	140000.	1.68	1.00	-
MPFHxA	431000.	1.46	1.00	-
MPFHpA	436000.	1.71	1.00	-
MPFOA	396000.	1.89	1.00	-
MPFOS	183000.	1.97	1.00	-
MPFNA	378000.	2.03	1.00	-
MPFDA	384000.	2.14	1.00	-
MPFUnA	254000.	2.24	1.00	-
MPFDoA	205000.	2.32	1.00	-
MPFTeDA	193000.	2.46	1.00	-
M2 6:2 FTS	352000.	1.83	1.00	-
M2 8:2 FTS	265000.	2.10	1.00	-
13C6-PFHxA IS	1330000.	1.46	4.17	-
13C9-PFDA IS	1200000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1390000	1.15	N/A	2.51	N/A
PFHxA 1	8460000	1.46	N/A	11.6	N/A
PFHxS 1	11000000	1.68	N/A	26.3	N/A
PFHpA 1	1770000	1.71	N/A	2.84	N/A
PFOA 1	4430000	1.89	N/A	7.41	N/A
PFOS 1	14300000	1.96	N/A	42.2	N/A
PFNA 1	187000	2.03	N/A	0.333	N/A
PFDA 1	35800	2.14	N/A	0.0674	N/A
PFUnA 1	4750	2.24	N/A	0.0515	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	14000000	1.83	N/A	36.0	N/A
8:2-FTS 1	4000000	2.09	N/A	8.36	N/A
13C2-PFHxA	431000	1.46	N/A	92.1	N/A
18O2-PFHxS	140000	1.68	N/A	94.4	N/A
13C4-PFHpA	436000	1.71	N/A	85.8	N/A
13C4-PFOA	396000	1.89	N/A	98.9	N/A
13C4-PFOS	183000	1.97	N/A	98.0	N/A
13C5-PFNA	378000	2.03	N/A	92.1	N/A
13C2-PFDA	384000	2.14	N/A	99.2	N/A
13C2-PFUnA	254000	2.24	N/A	90.5	N/A
13C2-PFDoA	205000	2.32	N/A	79.4	N/A
13C2-PFTeDA	193000	2.46	N/A	71.9	N/A
13C2-8:2 FTS	265000	2.10	N/A	99.9	N/A
13C6-PFHxA	1330000	1.46	N/A	23.8	N/A
13C9-PFDA	1200000	2.14	N/A	24.3	N/A
13C2-6:2-FTS	352000	1.83	N/A	89.8	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

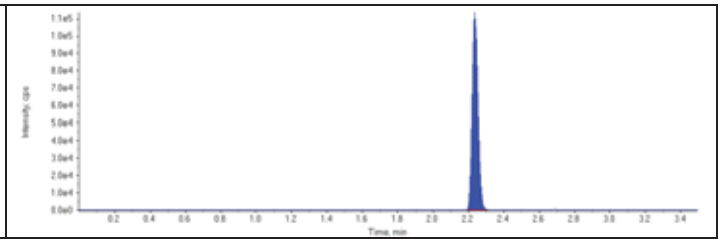
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



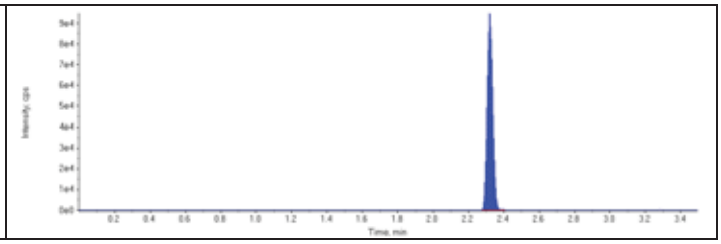
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



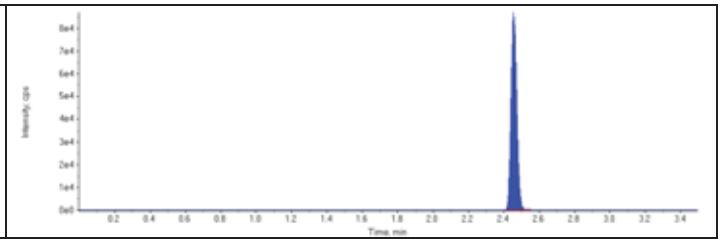
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



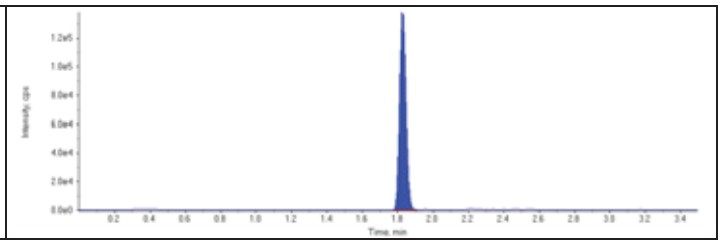
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



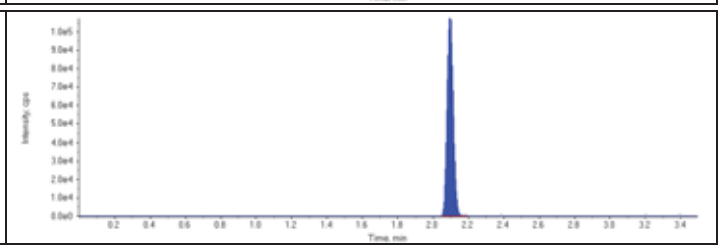
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



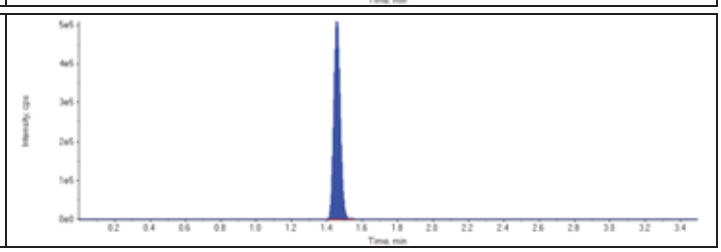
M2 8:2 FTS (Internal Standard)

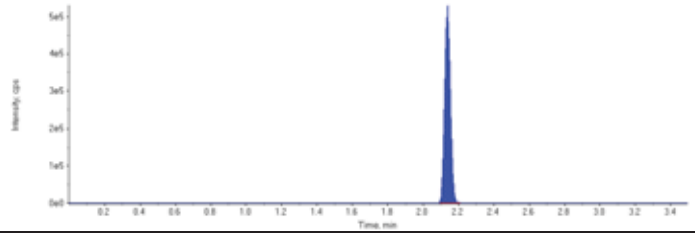
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

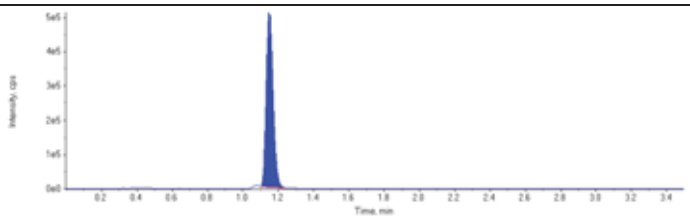
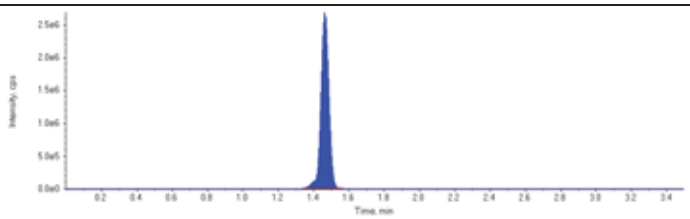
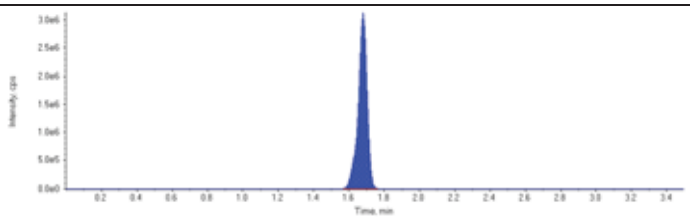
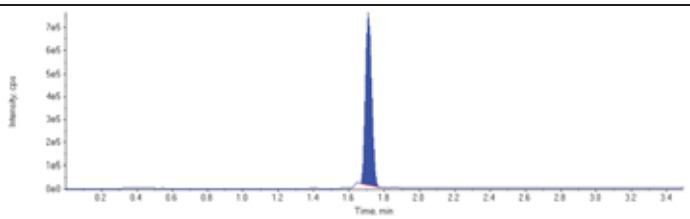
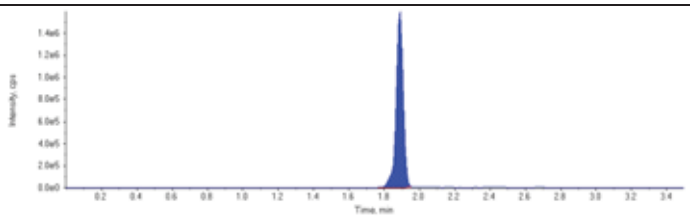
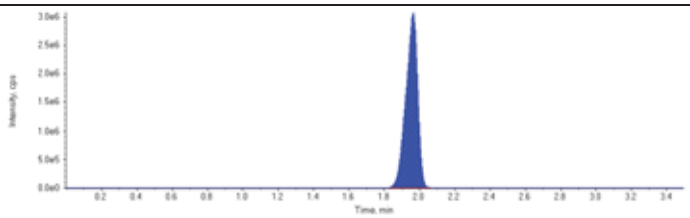


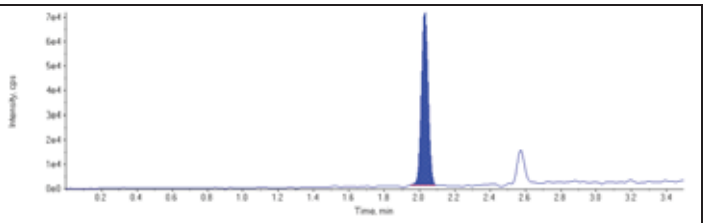
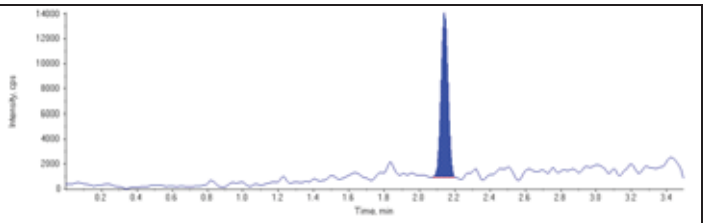
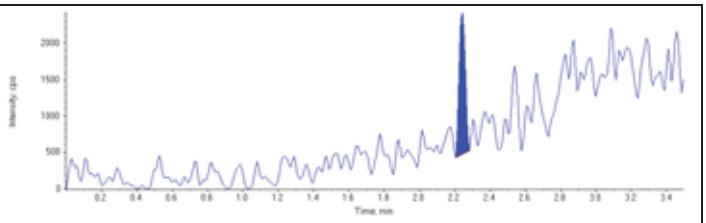
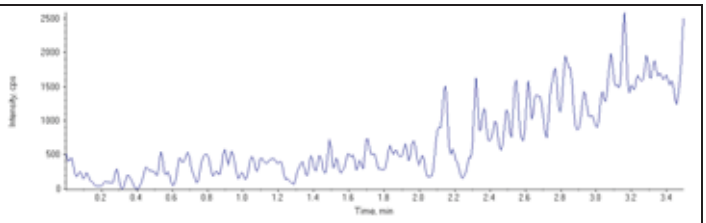
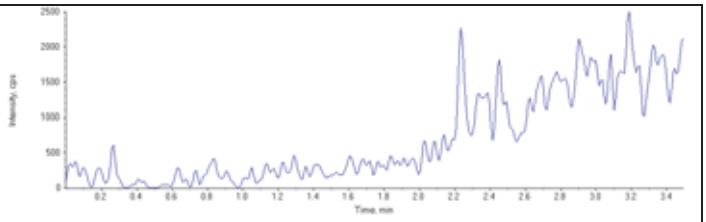
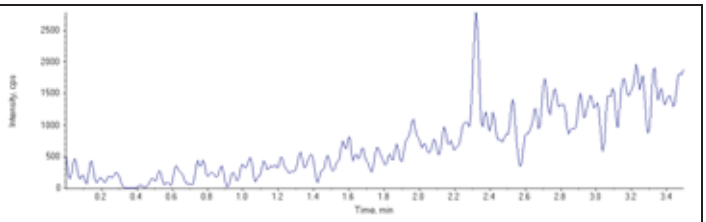
13C6-PFHxA IS (Internal Standard)

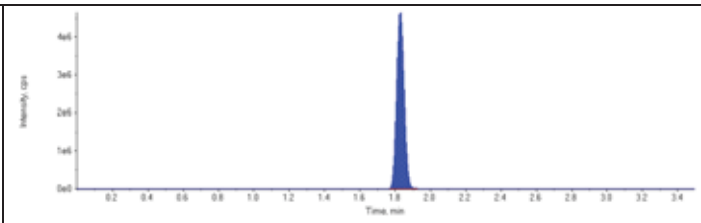
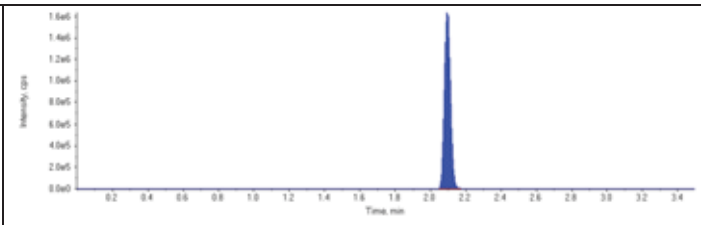
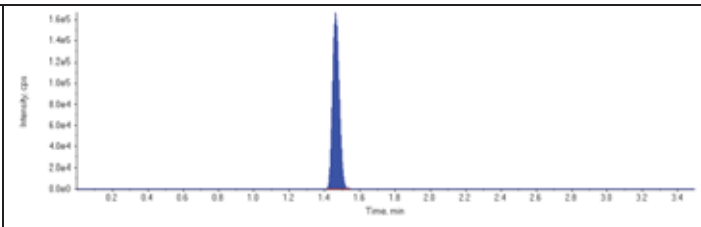
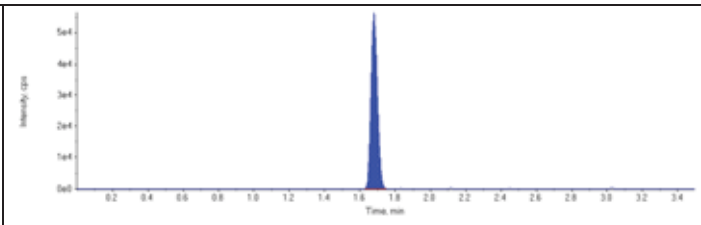
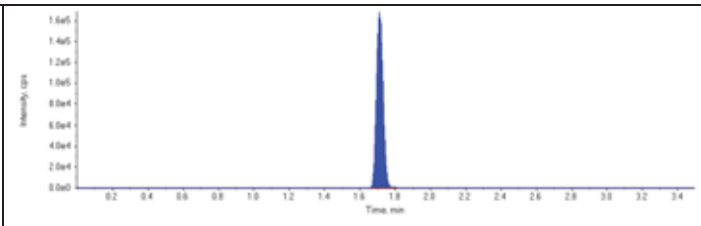
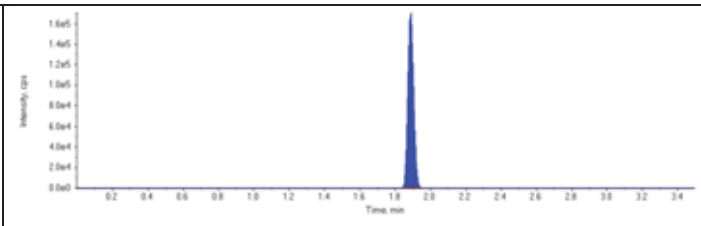
RT (Exp. RT): 1.46(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

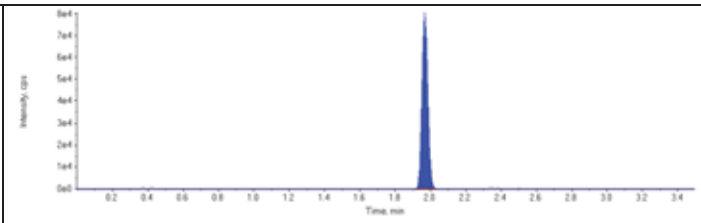
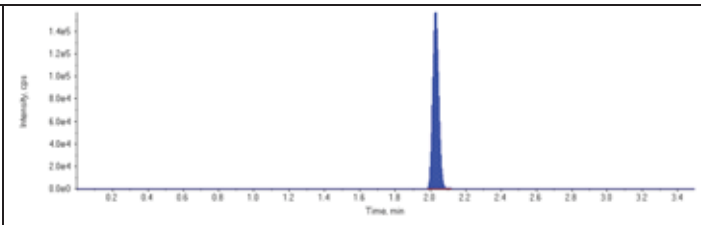
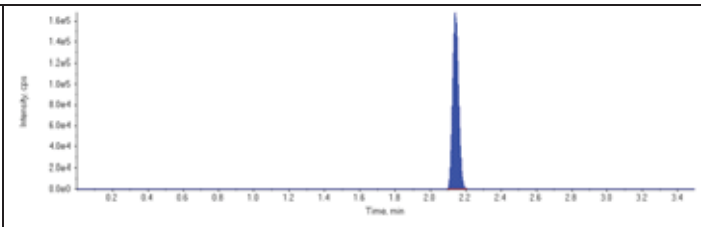
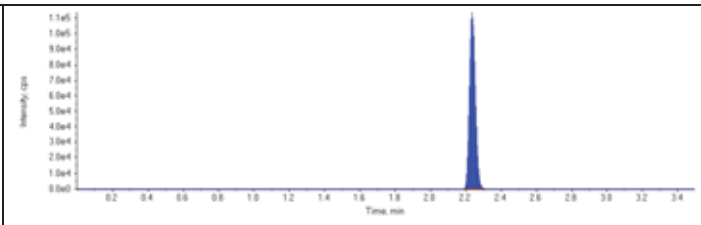
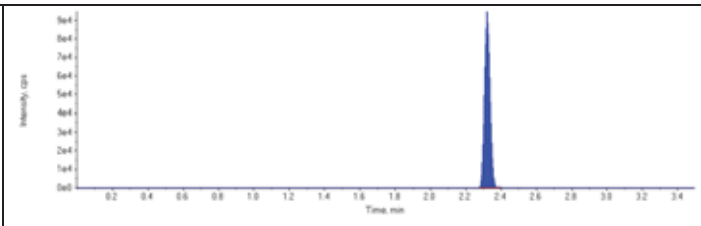
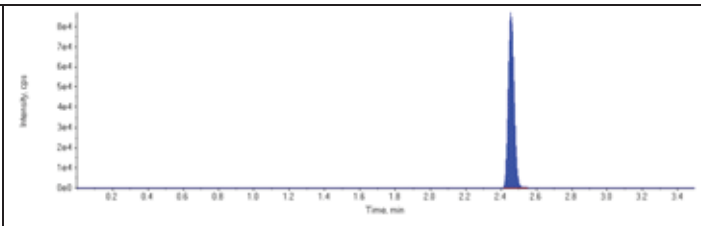


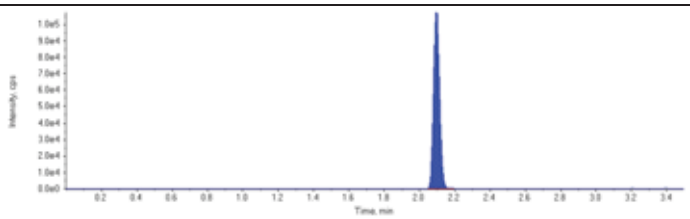
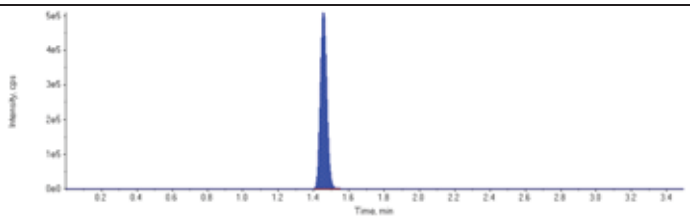
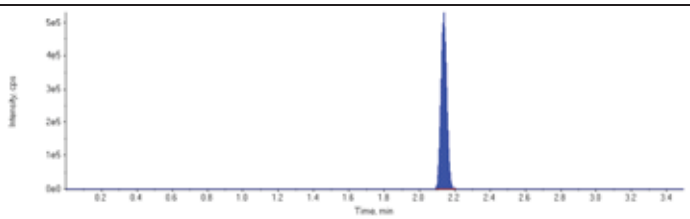
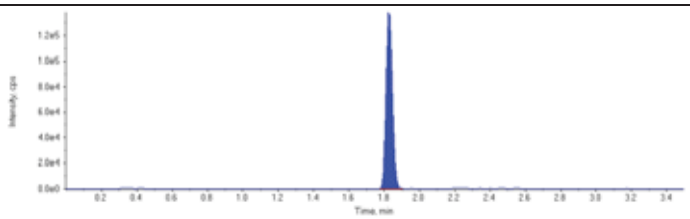
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.51 µg/L Area Ratio: 9.92 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 11.6 µg/L Area Ratio: 19.6 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 26.3 µg/L Area Ratio: 78.3 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 2.84 µg/L Area Ratio: 4.05 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 7.41 µg/L Area Ratio: 11.2 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 42.2 µg/L Area Ratio: 78.3 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.333 µg/L Area Ratio: 0.496 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.0674 µg/L Area Ratio: 0.0931 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 0.0515 µg/L Area Ratio: 0.0187 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 36.0 µg/L Area Ratio: 39.8 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 8.36 µg/L Area Ratio: 15.1 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 92.1 µg/L Area Ratio: 0.324 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 94.4 µg/L Area Ratio: 0.106 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 85.8 µg/L Area Ratio: 0.328 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 98.9 µg/L Area Ratio: 0.298 Sample Type: (Unknown)	

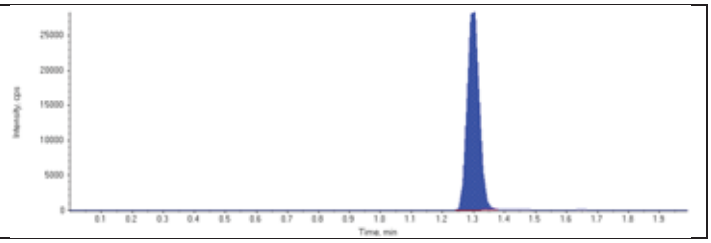
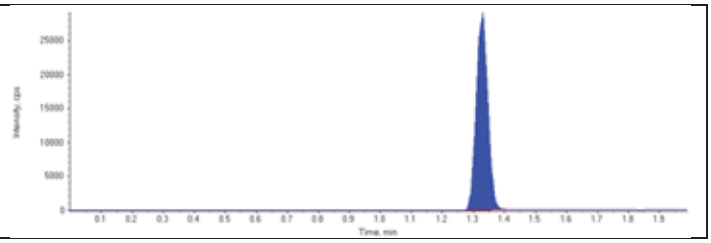
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 98.0 µg/L Area Ratio: 0.137 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 92.1 µg/L Area Ratio: 0.284 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 99.2 µg/L Area Ratio: 0.320 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 90.5 µg/L Area Ratio: 0.211 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 79.4 µg/L Area Ratio: 0.171 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 71.9 µg/L Area Ratio: 0.161 Sample Type: (Unknown)	

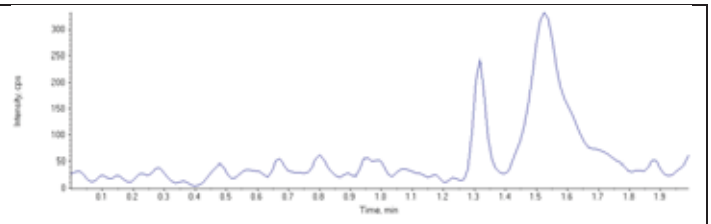
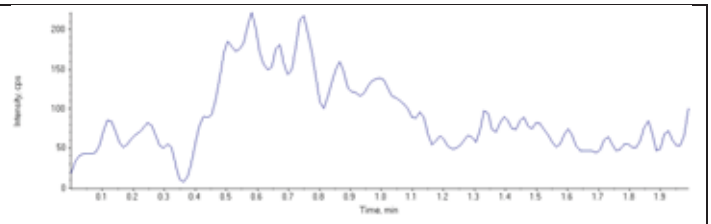
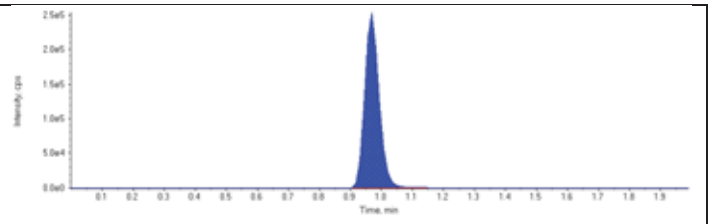
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 99.9 µg/L Area Ratio: 0.199 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 23.8 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 24.3 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 89.8 µg/L Area Ratio: 0.265 Sample Type: (Unknown)	

Sample ID	4872075~DXR292-01:D1:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	43
Acquisition Date	2017/03/03 7:06:10 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	76600.	1.30	1.00	-
D5-EtFOSAA IS	74600.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	817000	0.968	N/A	21.1	N/A

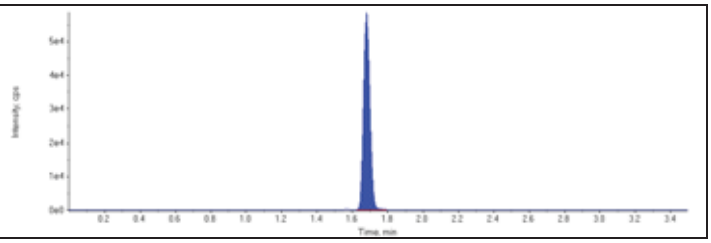
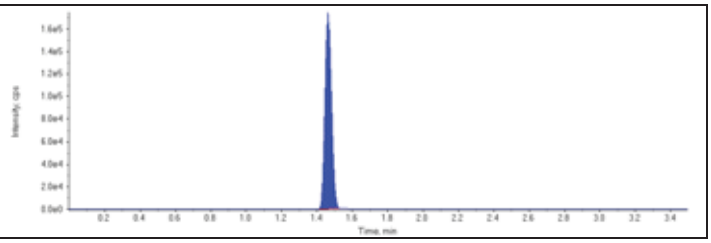
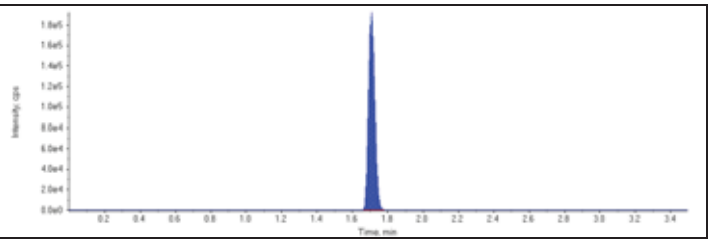
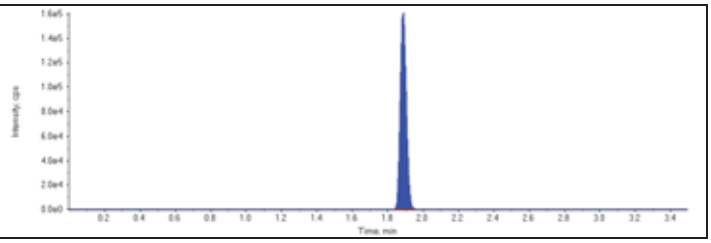
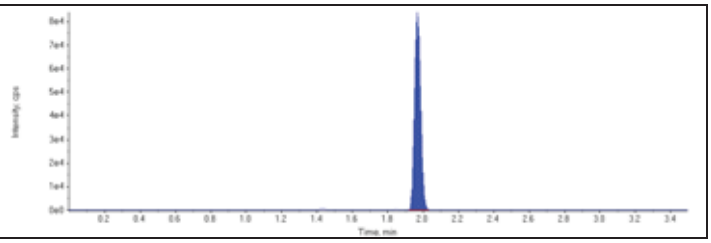
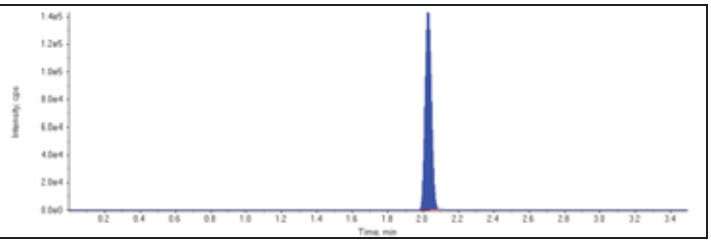
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.968 (0.855) min Calculated Conc: 21.1 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR293-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	32
Acquisition Date	2017/03/09 11:56:26 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for all analytes, except PFHxA, PFHxS, PFOS and 6:2-FTS		

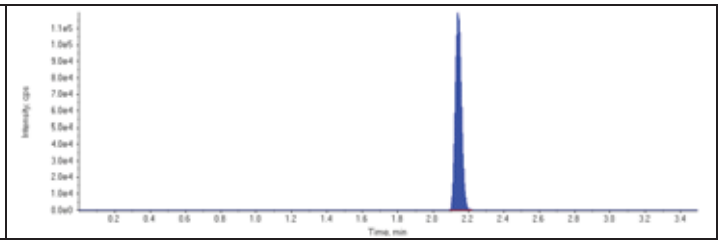
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	145000.	1.68	1.00	-
MPFHxA	444000.	1.46	1.00	-
MPFHpA	469000.	1.71	1.00	-
MPFOA	391000.	1.89	1.00	-
MPFOS	196000.	1.97	1.00	-
MPFNA	356000.	2.03	1.00	-
MPFDA	291000.	2.14	1.00	-
MPFUnA	230000.	2.24	1.00	-
MPFDoA	241000.	2.32	1.00	-
MPFTeDA	219000.	2.45	1.00	-
M2 6:2 FTS	357000.	1.83	1.00	-
M2 8:2 FTS	269000.	2.09	1.00	-
13C6-PFHxA IS	1480000.	1.45	4.17	-
13C9-PFDA IS	1320000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1040000	1.15	N/A	1.82	N/A
PFHxA 1	4370000	1.46	N/A	5.81	N/A
PFHxS 1	5090000	1.68	N/A	11.8	N/A
PFHpA 1	487000	1.71	N/A	0.688	N/A
PFOA 1	666000	1.89	N/A	1.10	N/A
PFOS 1	3810000	1.96	N/A	10.5	N/A
PFNA 1	27800	2.03	N/A	0.0412	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	11500000	1.83	N/A	29.1	N/A
8:2-FTS 1	49900	2.09	N/A	0.0499	N/A
13C2-PFHxA	444000	1.46	N/A	85.3	N/A
18O2-PFHxS	145000	1.68	N/A	87.7	N/A
13C4-PFHpA	469000	1.71	N/A	82.9	N/A
13C4-PFOA	391000	1.89	N/A	88.0	N/A
13C4-PFOS	196000	1.97	N/A	94.4	N/A
13C5-PFNA	356000	2.03	N/A	78.2	N/A
13C2-PFDA	291000	2.14	N/A	68.5	N/A
13C2-PFUnA	230000	2.24	N/A	74.9	N/A
13C2-PFDoA	241000	2.32	N/A	84.8	N/A
13C2-PFTeDA	219000	2.45	N/A	74.3	N/A
13C2-8:2 FTS	269000	2.09	N/A	91.1	N/A
13C6-PFHxA	1480000	1.45	N/A	26.5	N/A
13C9-PFDA	1320000	2.14	N/A	26.6	N/A
13C2-6:2-FTS	357000	1.83	N/A	81.8	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

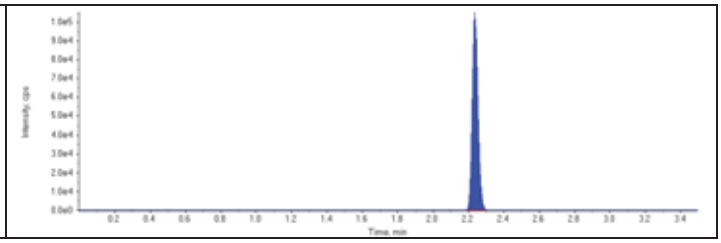
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



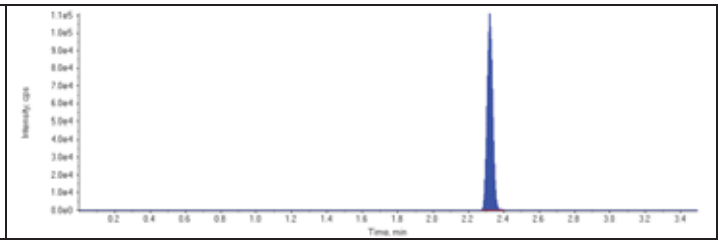
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



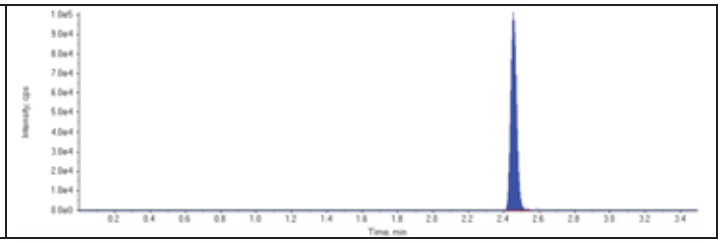
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



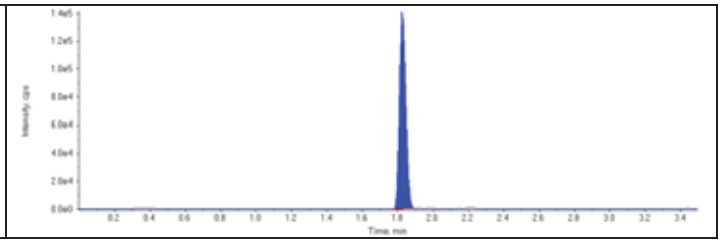
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.45(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



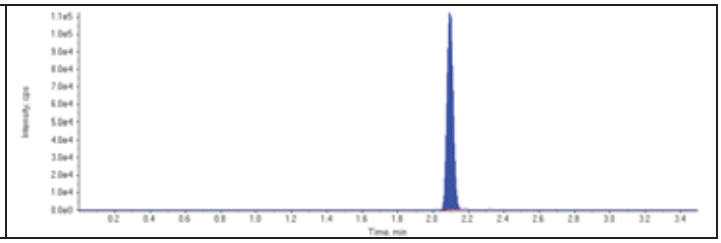
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



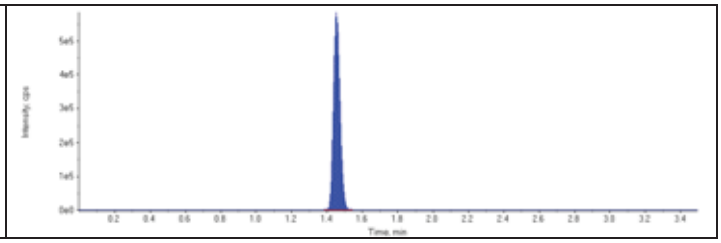
M2 8:2 FTS (Internal Standard)

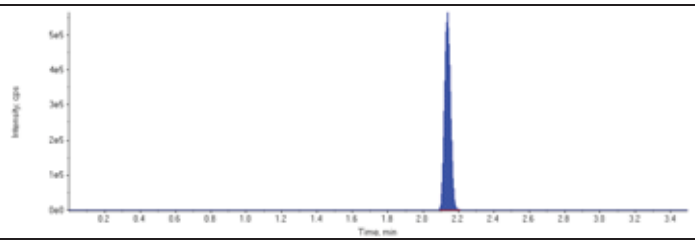
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

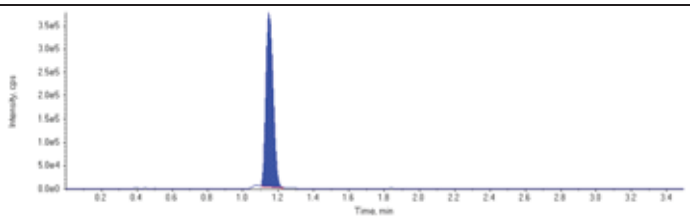
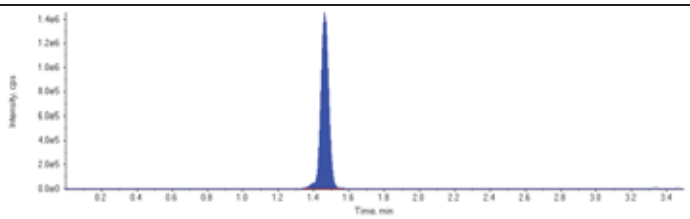
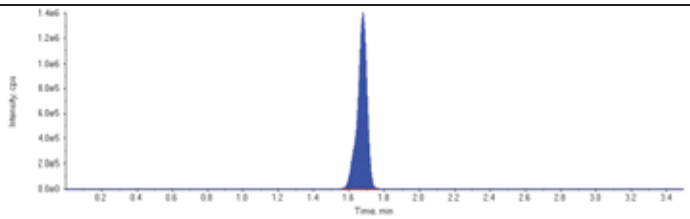
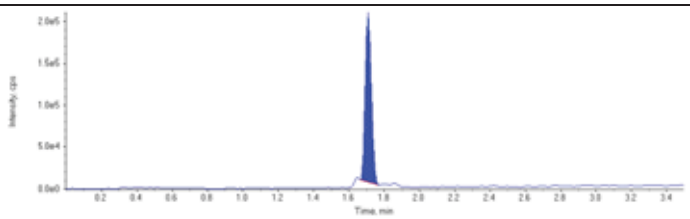
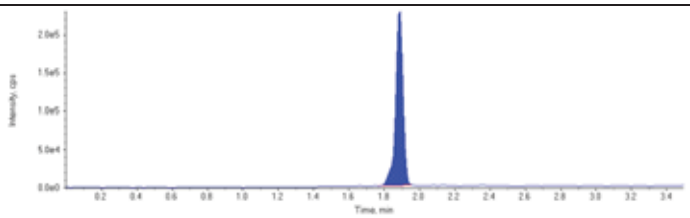
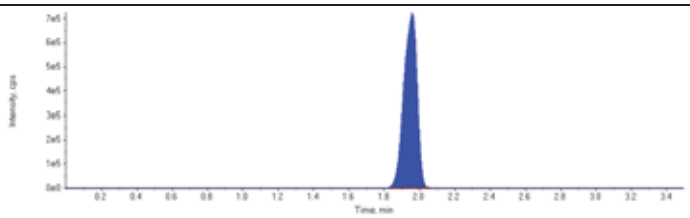


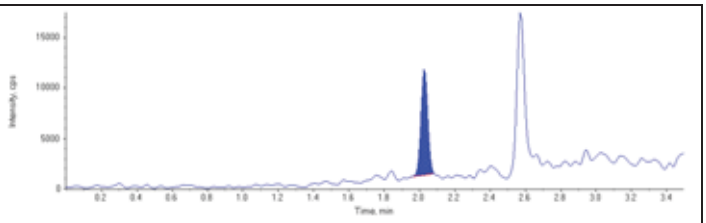
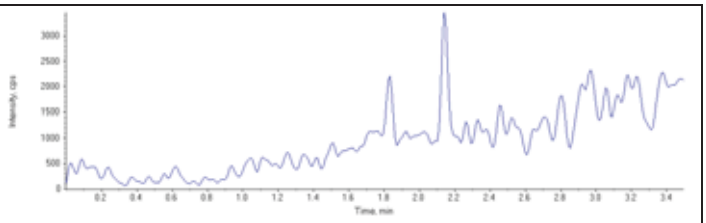
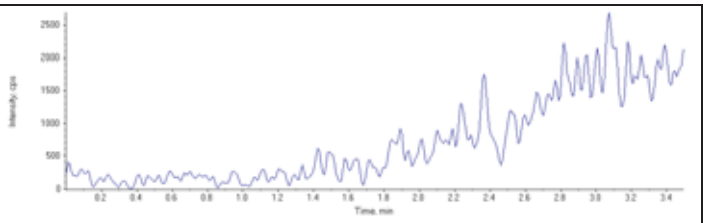
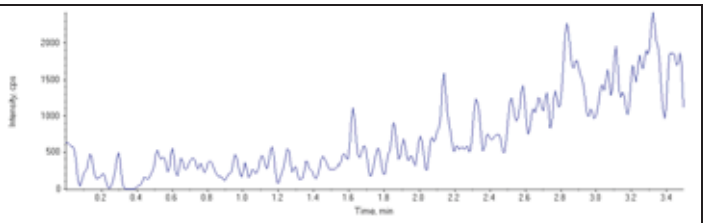
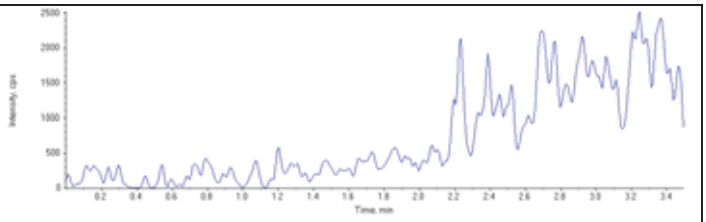
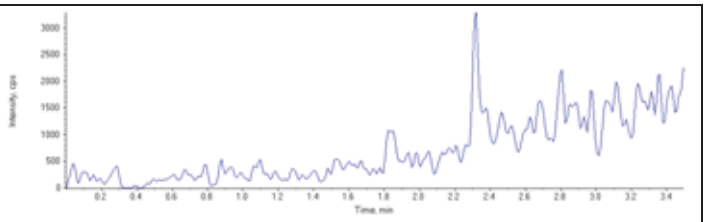
13C6-PFHxA IS (Internal Standard)

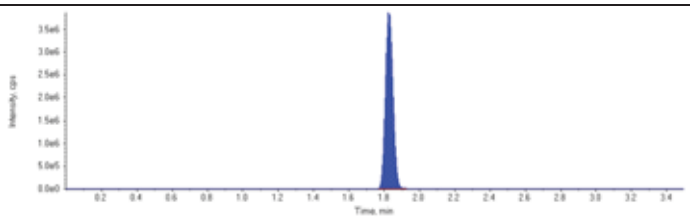
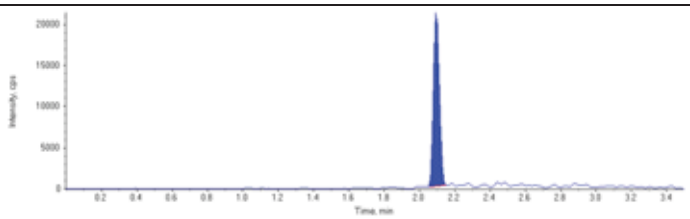
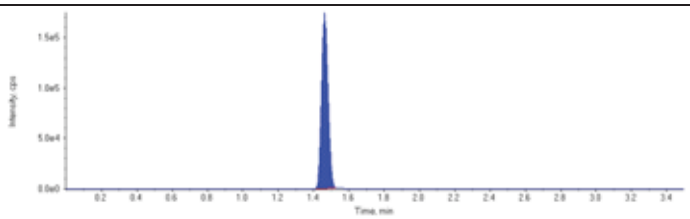
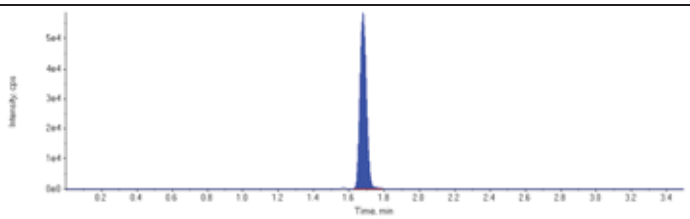
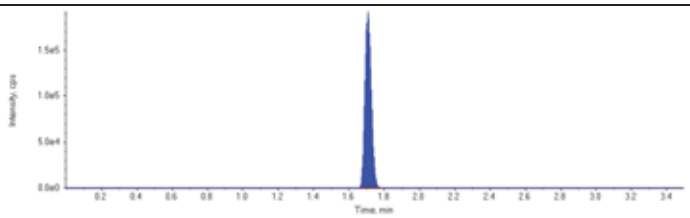
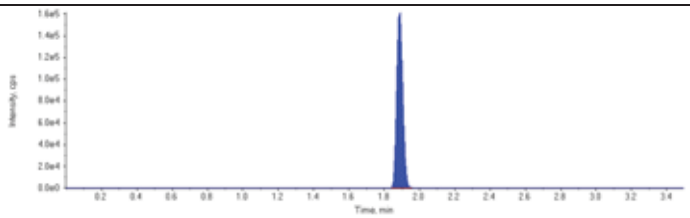
RT (Exp. RT): 1.45(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

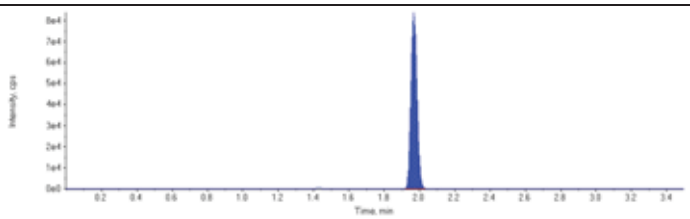
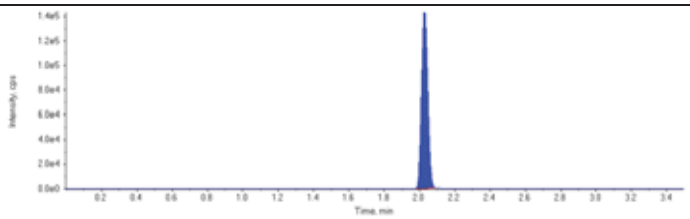
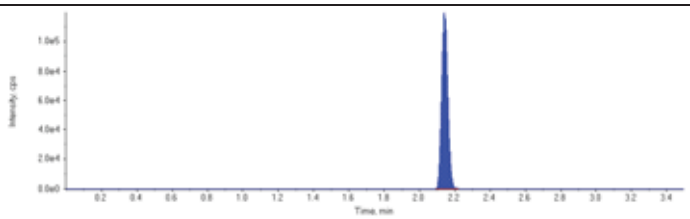
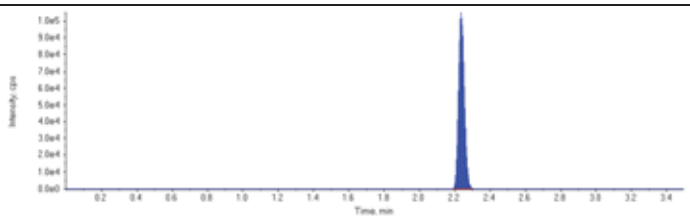
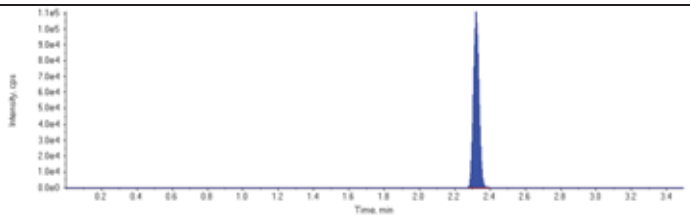
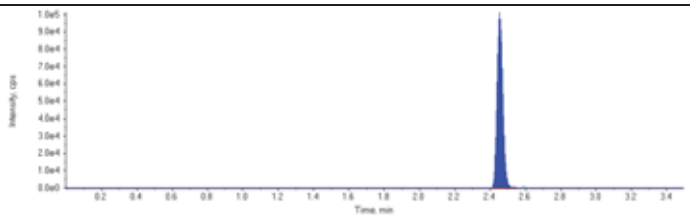


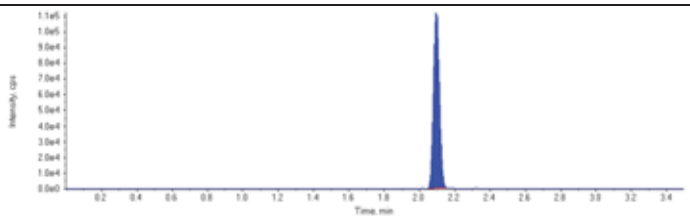
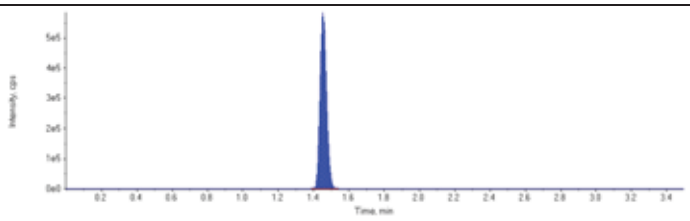
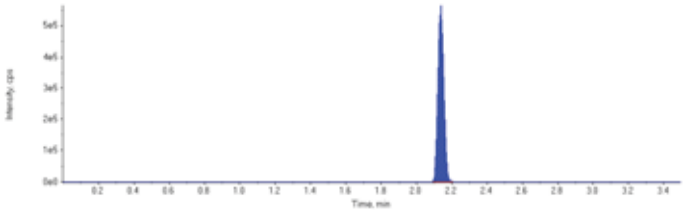
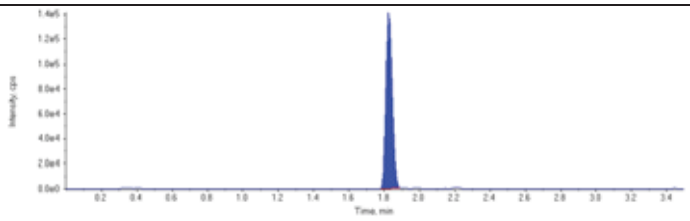
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 1.82 µg/L Area Ratio: 7.15 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 5.81 µg/L Area Ratio: 9.85 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 11.8 µg/L Area Ratio: 35.1 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 0.688 µg/L Area Ratio: 1.04 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 1.10 µg/L Area Ratio: 1.70 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 10.5 µg/L Area Ratio: 19.5 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.0412 µg/L Area Ratio: 0.0779 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 29.1 µg/L Area Ratio: 32.2 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 0.0499 µg/L Area Ratio: 0.186 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 85.3 µg/L Area Ratio: 0.300 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 87.7 µg/L Area Ratio: 0.0980 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 82.9 µg/L Area Ratio: 0.317 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 88.0 µg/L Area Ratio: 0.265 Sample Type: (Unknown)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 94.4 µg/L Area Ratio: 0.132 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 78.2 µg/L Area Ratio: 0.241 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 68.5 µg/L Area Ratio: 0.221 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 74.9 µg/L Area Ratio: 0.175 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 84.8 µg/L Area Ratio: 0.183 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.45 (2.46) min Calculated Conc: 74.3 µg/L Area Ratio: 0.166 Sample Type: (Unknown)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 91.1 µg/L Area Ratio: 0.182 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 26.5 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 26.6 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 81.8 µg/L Area Ratio: 0.241 Sample Type: (Unknown)	

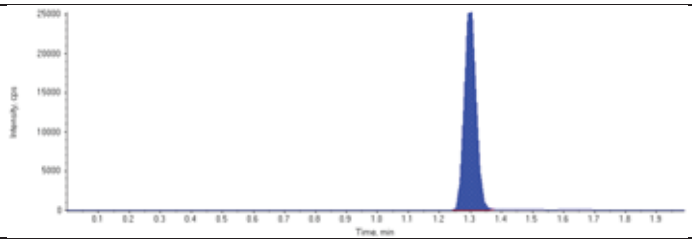
Sample ID	4872075~DXR293-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	44
Acquisition Date	2017/03/03 7:08:44 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	68600.	1.30	1.00	-
D5-EtFOSAA IS	64400.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	729000	0.965	N/A	18.8	N/A

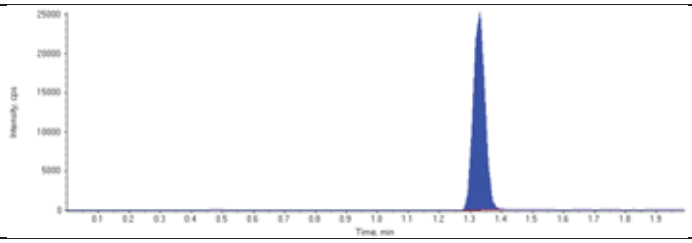
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



D5-EtFOSAA IS (Internal Standard)

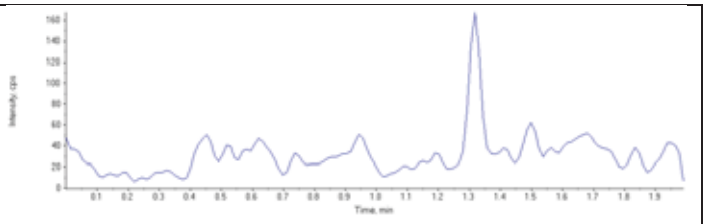
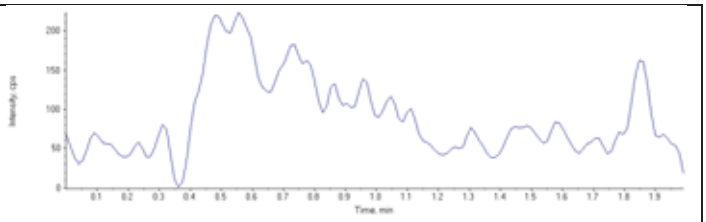
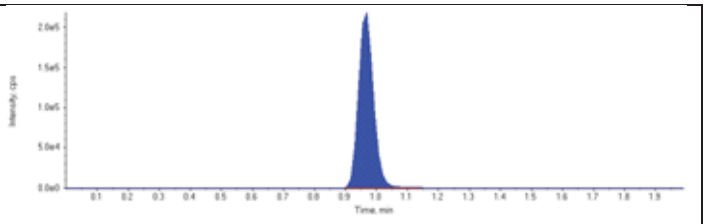
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Unknown)

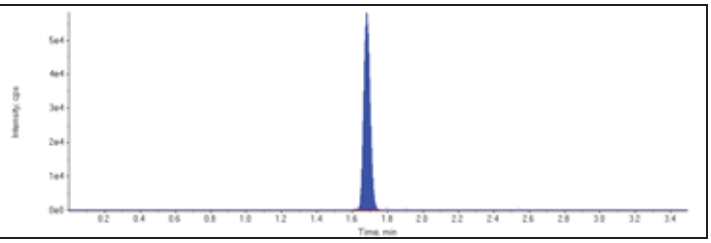
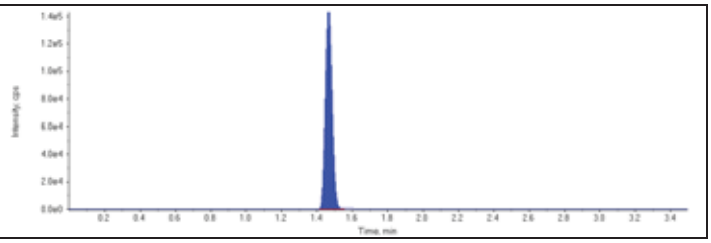
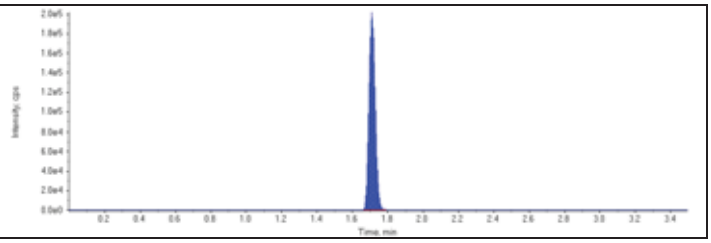
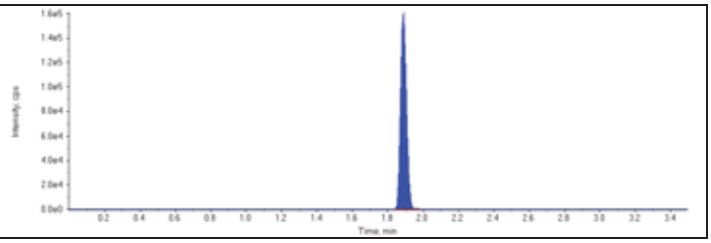
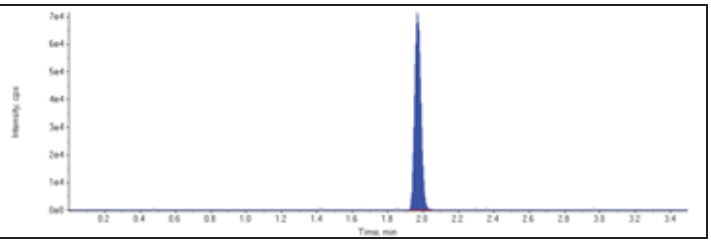
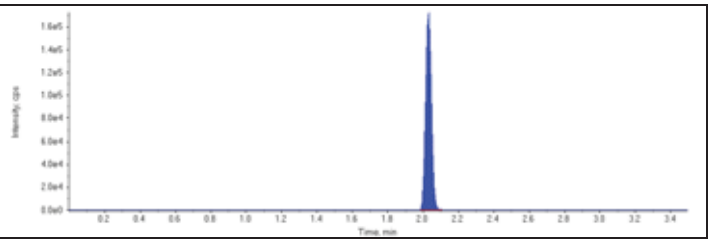
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.965 (0.855) min Calculated Conc: 18.8 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4872075~DXR294-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	33
Acquisition Date	2017/03/09 12:01:31 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	Reported for all analytes, except PFHxA, PFHxS, PFOS and 6:2-FTS		

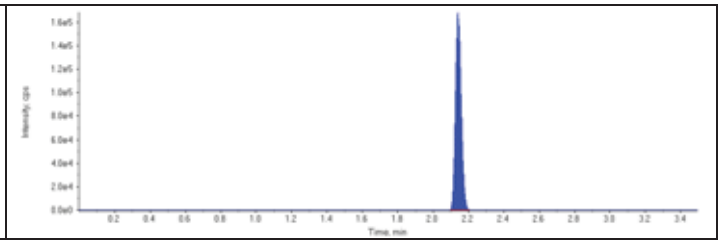
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	141000.	1.68	1.00	-
MPFHxA	387000.	1.47	1.00	-
MPFHpA	481000.	1.71	1.00	-
MPFOA	373000.	1.89	1.00	-
MPFOS	170000.	1.97	1.00	-
MPFNA	395000.	2.03	1.00	-
MPFDA	379000.	2.14	1.00	-
MPFUnA	246000.	2.24	1.00	-
MPFDoA	236000.	2.32	1.00	-
MPFTeDA	255000.	2.46	1.00	-
M2 6:2 FTS	395000.	1.83	1.00	-
M2 8:2 FTS	245000.	2.10	1.00	-
13C6-PFHxA IS	1480000.	1.46	4.17	-
13C9-PFDA IS	1160000.	2.14	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1600000	1.15	N/A	2.86	N/A
PFHxA 1	8180000	1.46	N/A	12.5	N/A
PFHxS 1	11900000	1.68	N/A	28.4	N/A
PFHpA 1	1510000	1.71	N/A	2.20	N/A
PFOA 1	5510000	1.89	N/A	9.77	N/A
PFOS 1	8650000	1.96	N/A	27.5	N/A
PFNA 1	125000	2.03	N/A	0.208	N/A
PFDA 1	8710	2.14	N/A	0.0211	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
6:2-FTS 1	12400000	1.83	N/A	28.5	N/A
8:2-FTS 1	646000	2.10	N/A	1.41	N/A
13C2-PFHxA	387000	1.47	N/A	74.2	N/A
18O2-PFHxS	141000	1.68	N/A	85.3	N/A
13C4-PFHpA	481000	1.71	N/A	84.8	N/A
13C4-PFOA	373000	1.89	N/A	83.7	N/A
13C4-PFOS	170000	1.97	N/A	81.6	N/A
13C5-PFNA	395000	2.03	N/A	86.4	N/A
13C2-PFDA	379000	2.14	N/A	101.	N/A
13C2-PFUnA	246000	2.24	N/A	91.0	N/A
13C2-PFDoA	236000	2.32	N/A	94.9	N/A
13C2-PFTeDA	255000	2.46	N/A	98.5	N/A
13C2-8:2 FTS	245000	2.10	N/A	82.8	N/A
13C6-PFHxA	1480000	1.46	N/A	26.6	N/A
13C9-PFDA	1160000	2.14	N/A	23.4	N/A
13C2-6:2-FTS	395000	1.83	N/A	90.3	N/A

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.49) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

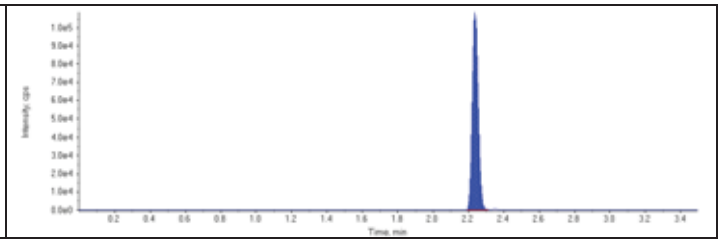
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



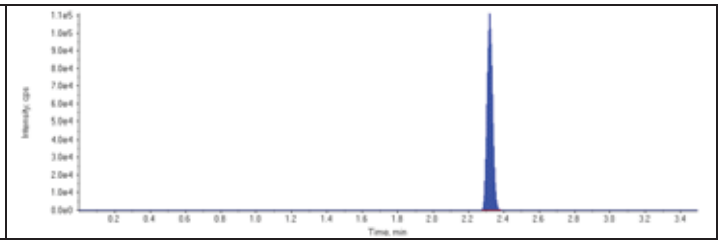
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



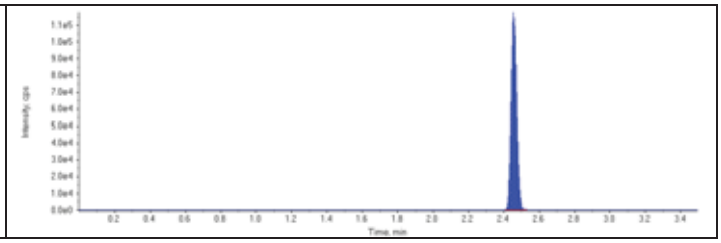
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



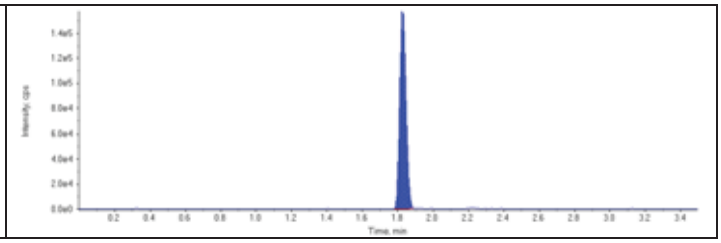
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



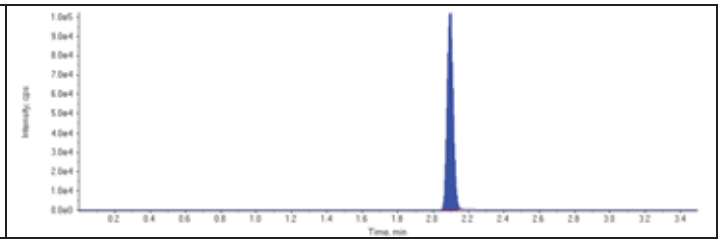
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



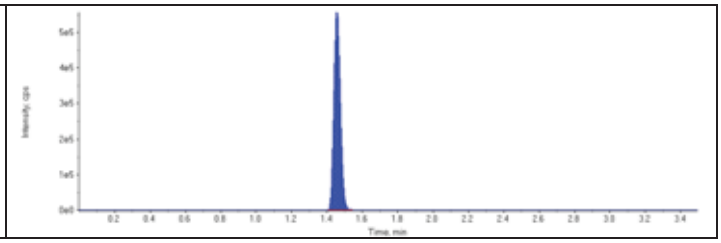
M2 8:2 FTS (Internal Standard)

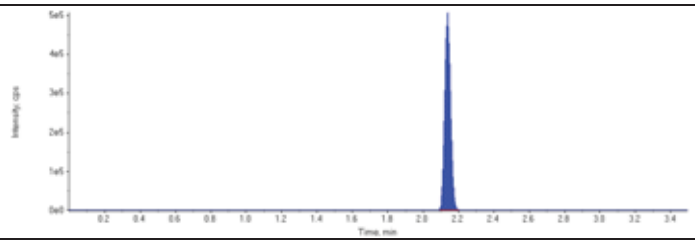
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

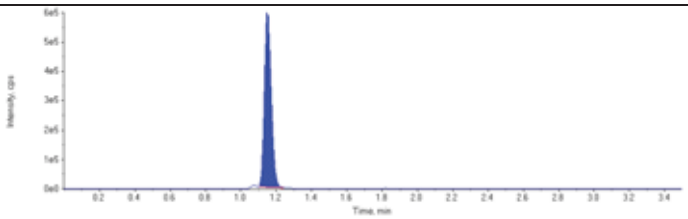
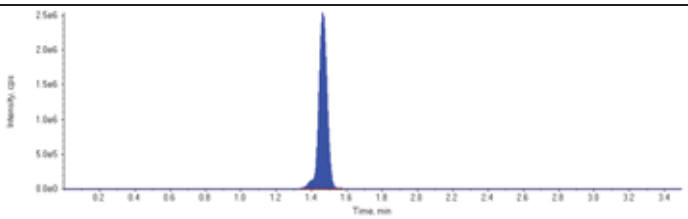
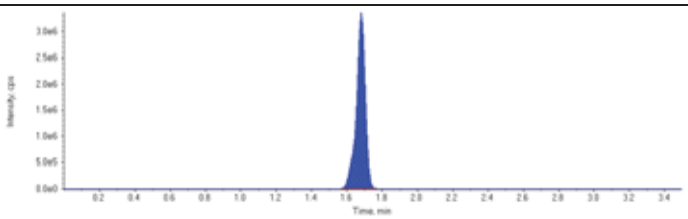
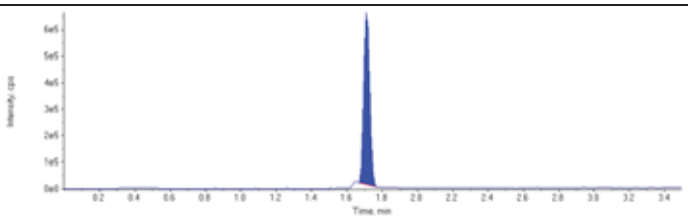
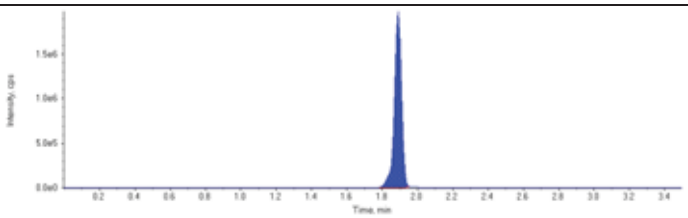
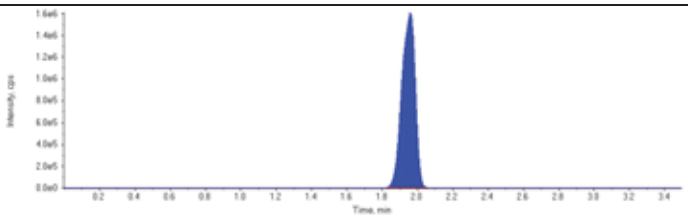


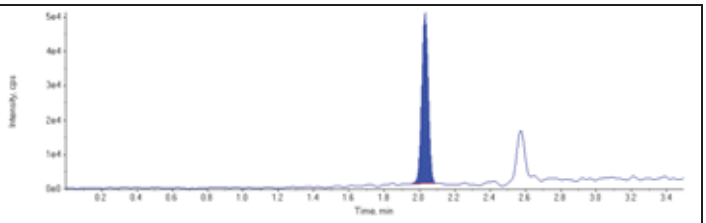
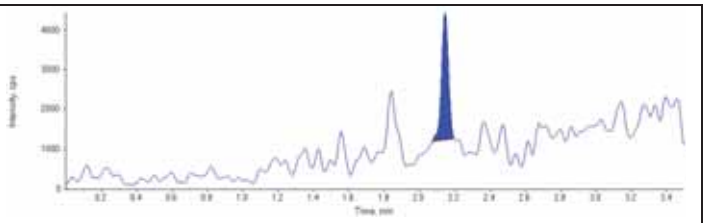
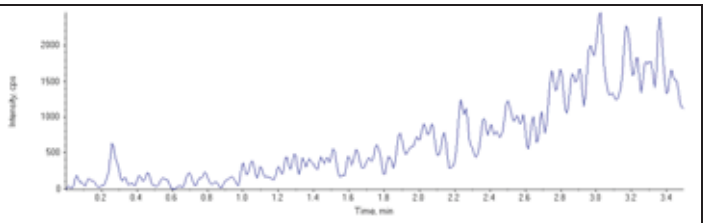
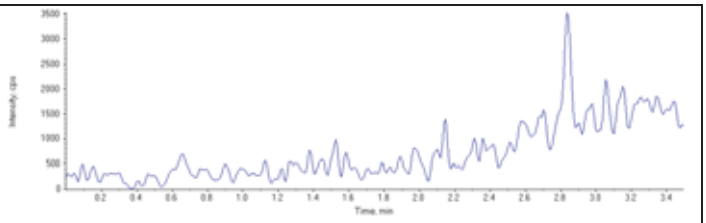
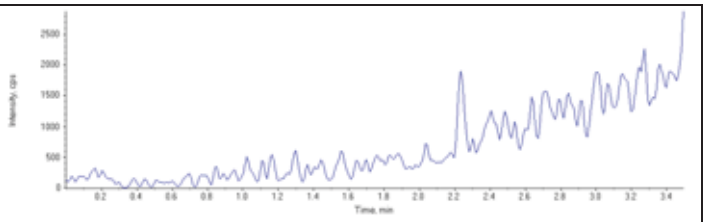
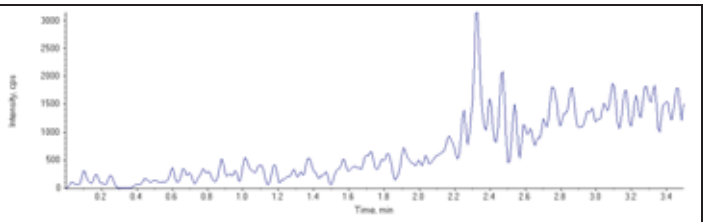
13C6-PFHxA IS (Internal Standard)

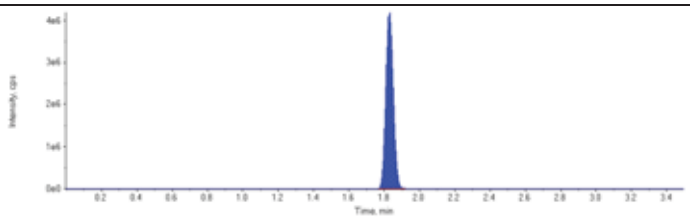
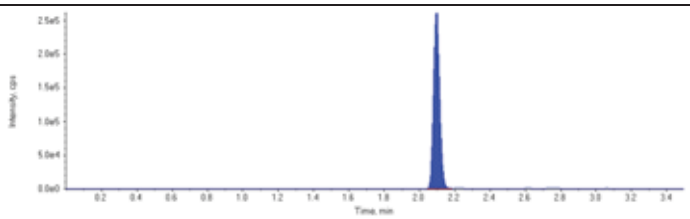
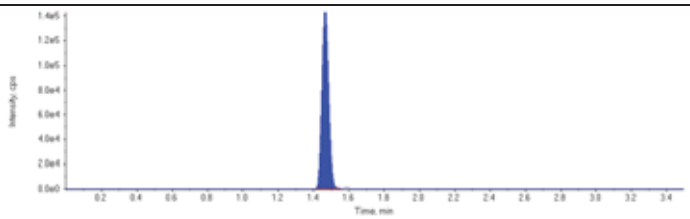
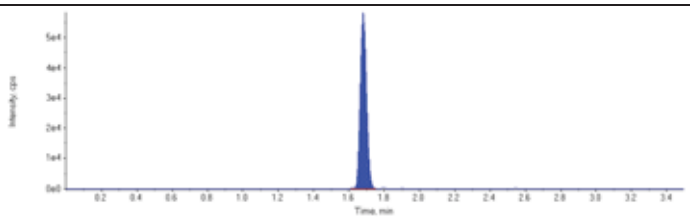
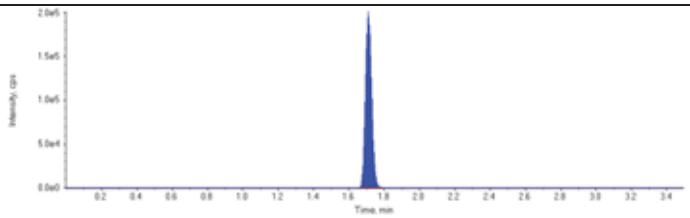
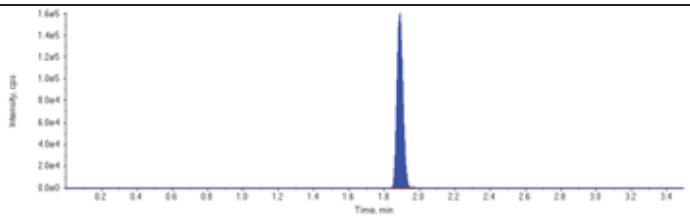
RT (Exp. RT): 1.46(1.48) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

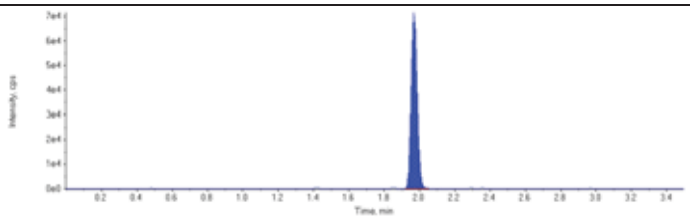
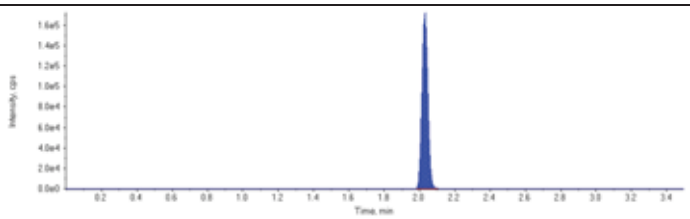
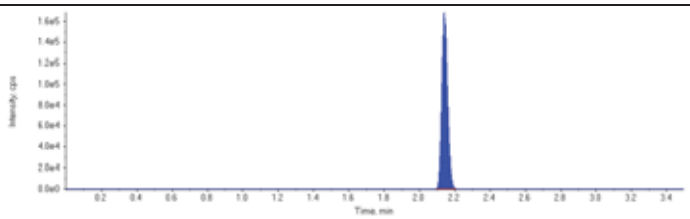
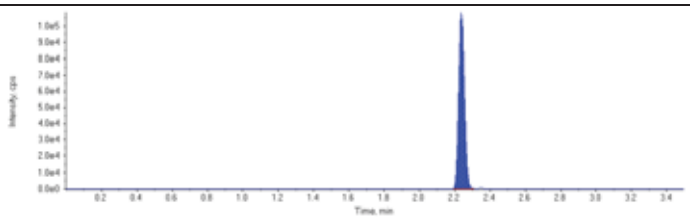
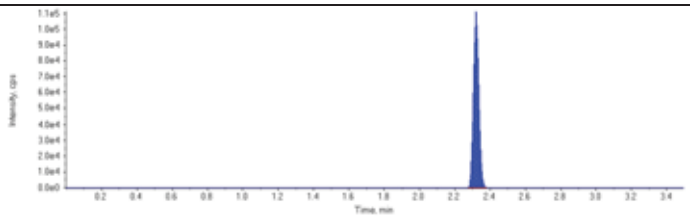
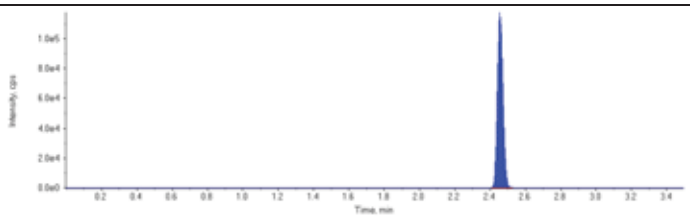


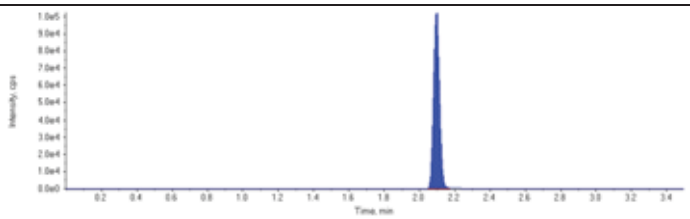
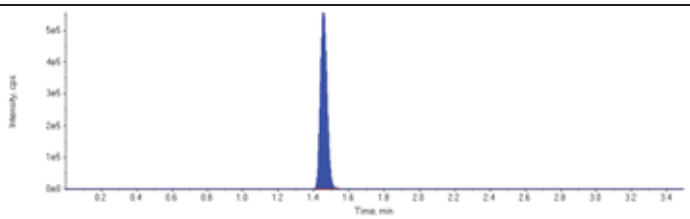
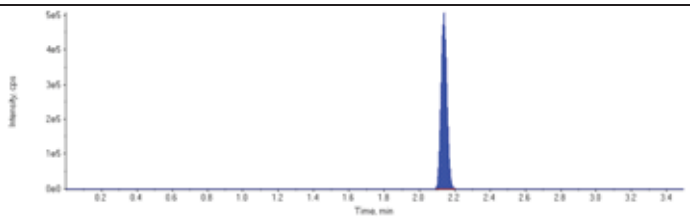
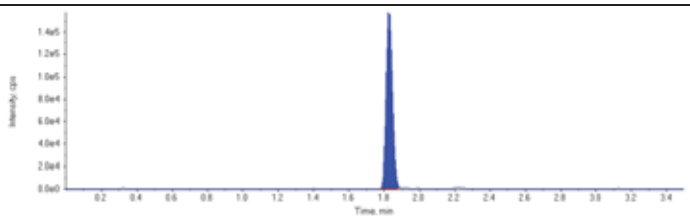
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 2.86 µg/L Area Ratio: 11.3 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 12.5 µg/L Area Ratio: 21.1 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 28.4 µg/L Area Ratio: 84.4 Sample Type: (Unknown)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 2.20 µg/L Area Ratio: 3.15 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 9.77 µg/L Area Ratio: 14.7 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.97) min Calculated Conc: 27.5 µg/L Area Ratio: 51.0 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.208 µg/L Area Ratio: 0.316 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.0211 µg/L Area Ratio: 0.0230 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 28.5 µg/L Area Ratio: 31.5 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 1.41 µg/L Area Ratio: 2.64 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 74.2 µg/L Area Ratio: 0.261 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 85.3 µg/L Area Ratio: 0.0954 Sample Type: (Unknown)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 84.8 µg/L Area Ratio: 0.324 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 83.7 µg/L Area Ratio: 0.252 Sample Type: (Unknown)	

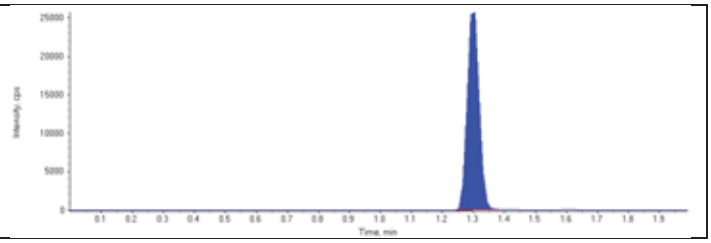
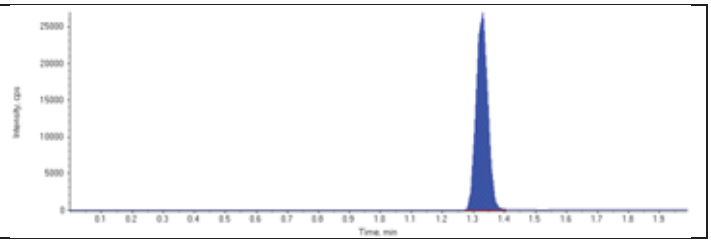
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 81.6 µg/L Area Ratio: 0.114 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 86.4 µg/L Area Ratio: 0.266 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 101. µg/L Area Ratio: 0.328 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 91.0 µg/L Area Ratio: 0.213 Sample Type: (Unknown)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 94.9 µg/L Area Ratio: 0.204 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 98.5 µg/L Area Ratio: 0.220 Sample Type: (Unknown)	

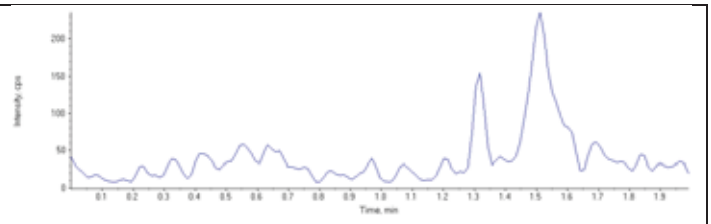
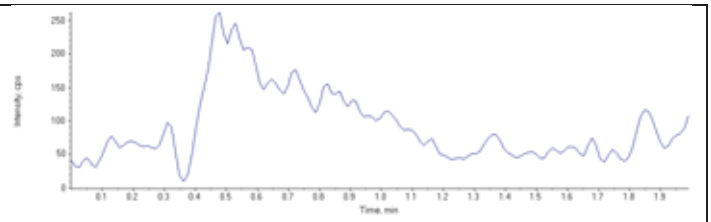
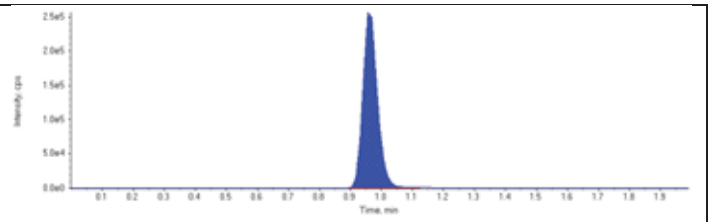
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 82.8 µg/L Area Ratio: 0.165 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 26.6 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 23.4 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 90.3 µg/L Area Ratio: 0.266 Sample Type: (Unknown)	

Sample ID	4872075~DXR294-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	45
Acquisition Date	2017/03/03 7:11:19 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	69300.	1.30	1.00	-
D5-EtFOSAA IS	69300.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
13C9-PFDA	841000	0.961	N/A	21.7	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.961 (0.855) min Calculated Conc: 21.7 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	



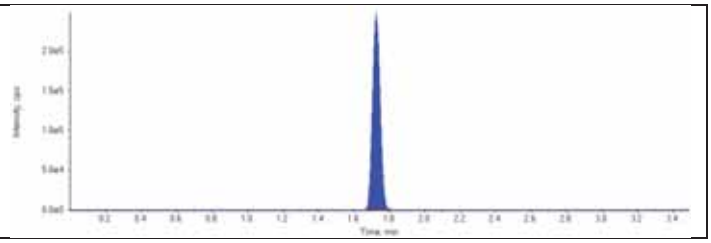
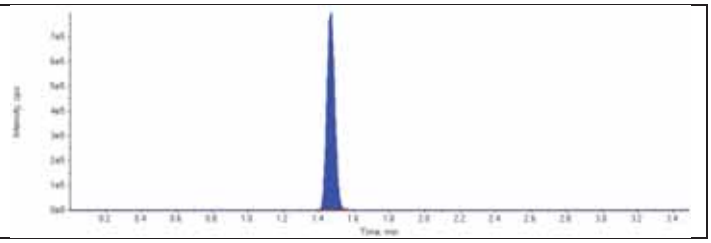
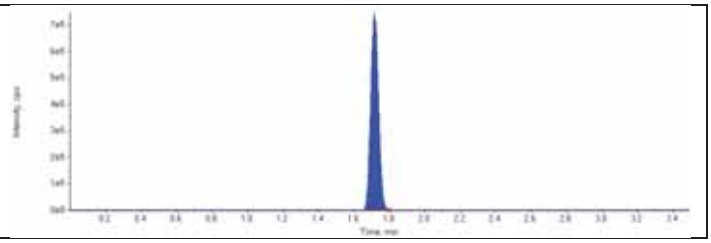
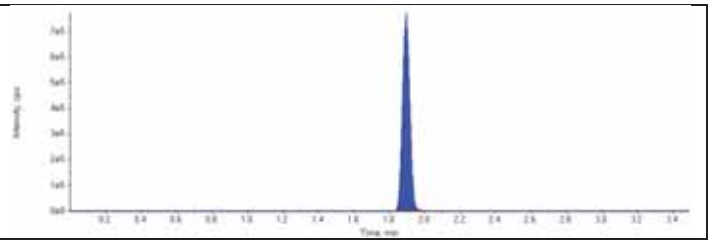
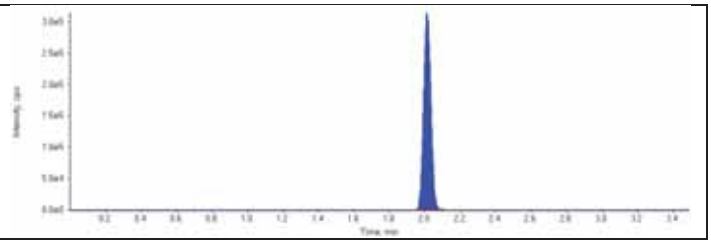
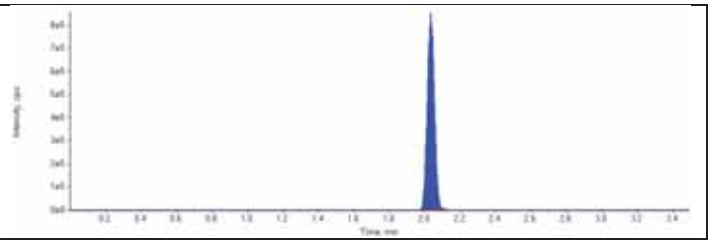
4. QA/QC Data

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Sample ID	4871838~BLANK	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	2
Acquisition Date	2017/02/27 3:07:07 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

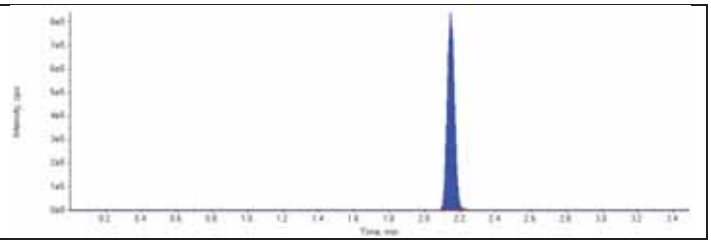
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	722000.	1.73	1.00	-
MPFHxA	2500000.	1.47	1.00	-
MPFHpA	2280000.	1.72	1.00	-
MPFOA	2180000.	1.89	1.00	-
MPFOS	917000.	2.01	1.00	-
MPFNA	2410000.	2.03	1.00	-
MPFDA	2360000.	2.15	1.00	-
MPFUnA	1970000.	2.24	1.00	-
MPFDoA	1670000.	2.32	1.00	-
MPFTeDA	1050000.	2.46	1.00	-
M2 6:2 FTS	793000.	1.86	1.00	-
M2 8:2 FTS	721000.	2.12	1.00	-
13C6-PFHxA IS	2150000.	1.46	1.00	-
13C9-PFDA IS	5480000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	0.00	N/A	0.0
PFHxA 1	0	0.00	0.00	N/A	0.0
PFHxS 1	0	0.00	0.00	N/A	0.0
PFHpA 1	0	0.00	0.00	N/A	0.0
PFOA 1	0	0.00	0.00	N/A	0.0
PFOS 1	0	0.00	0.00	N/A	0.0
PFNA 1	0	0.00	0.00	N/A	0.0
PFDA 1	0	0.00	0.00	N/A	0.0
PFUnA 1	0	0.00	0.00	N/A	0.0
PFDoA 1	0	0.00	0.00	N/A	0.0
PFTrDA 1	0	0.00	0.00	N/A	0.0
PFTeDA 1	9370	2.47	0.00	N/A	0.0
6:2-FTS 1	0	0.00	0.00	N/A	0.0
8:2-FTS 1	0	0.00	0.00	N/A	0.0
13C2-PFHxA	2500000	1.47	100.	95.4	95.4
18O2-PFHxS	722000	1.73	100.	99.6	99.6
13C4-PFHpA	2280000	1.72	100.	91.8	91.8
13C4-PFOA	2180000	1.89	100.	91.9	91.9
13C4-PFOS	917000	2.01	100.	94.4	94.4
13C5-PFNA	2410000	2.03	100.	97.3	97.3
13C2-PFDA	2360000	2.15	100.	93.0	93.0
13C2-PFUnA	1970000	2.24	100.	98.6	98.6
13C2-PFDoA	1670000	2.32	100.	92.6	92.6
13C2-PFTeDA	1050000	2.46	100.	74.2	74.2
13C2-8:2 FTS	721000	2.12	100.	99.4	99.4
13C6-PFHxA	2150000	1.46	100.	106.	106.0
13C9-PFDA	5480000	2.14	100.	106.	106.0
13C2-6:2-FTS	793000	1.86	100.	103.	103.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.73(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.43) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.72(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

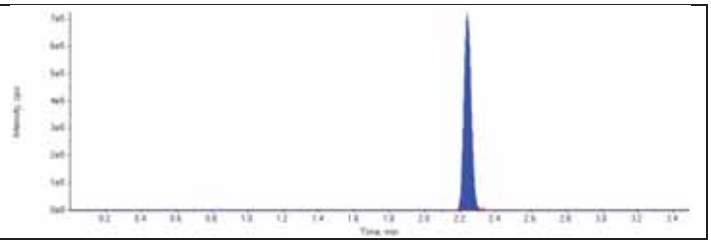
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



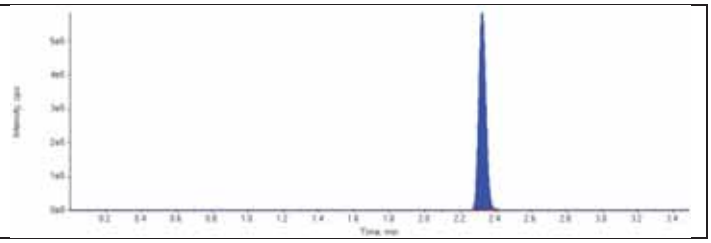
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



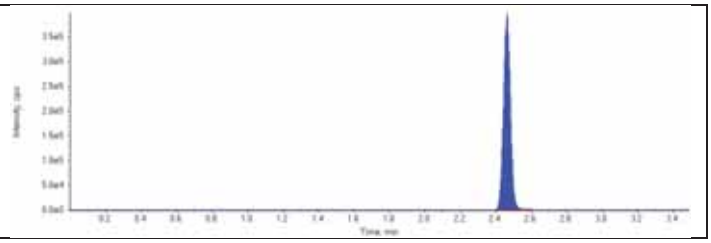
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



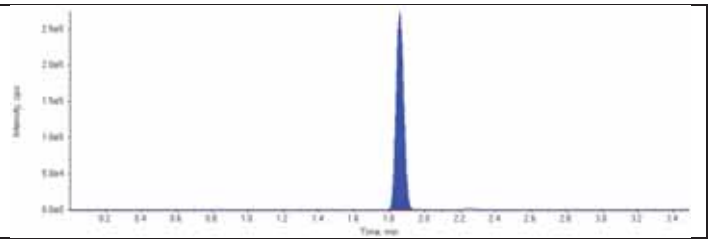
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



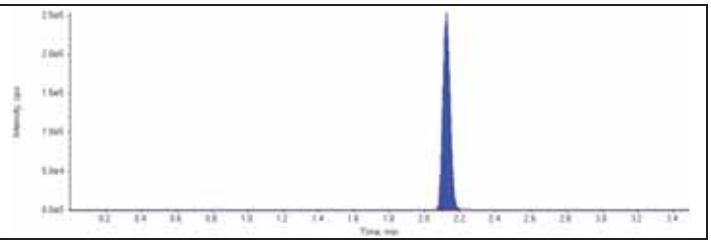
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



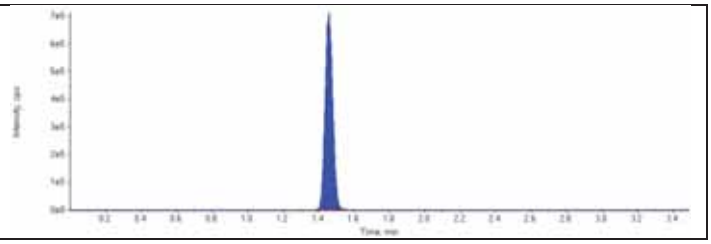
M2 8:2 FTS (Internal Standard)

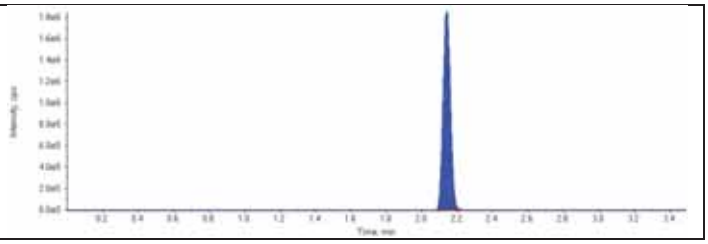
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

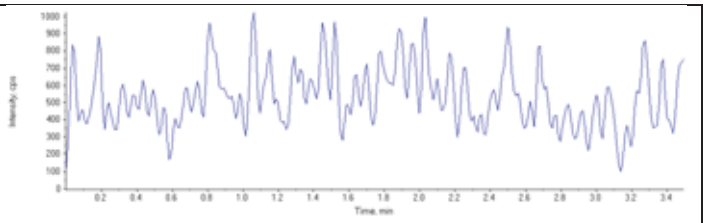
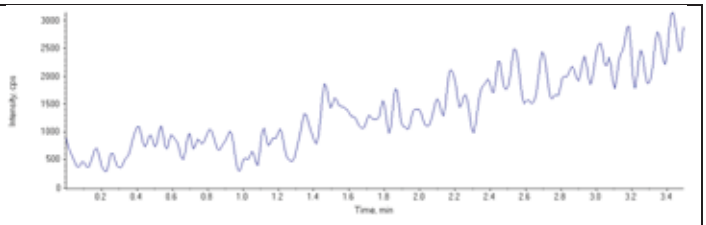
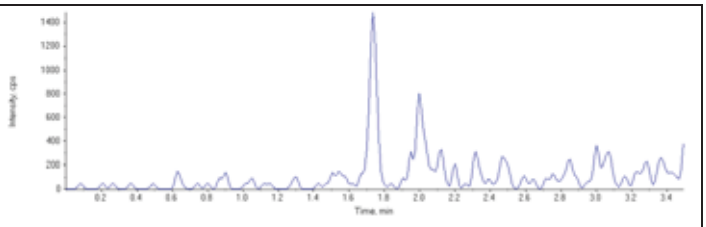
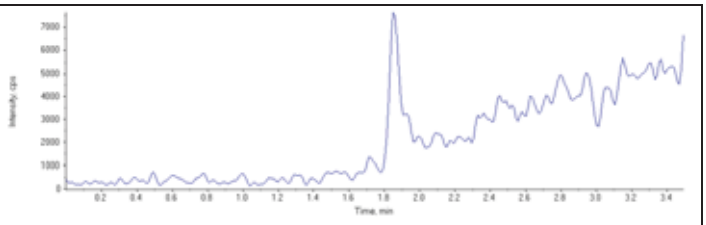
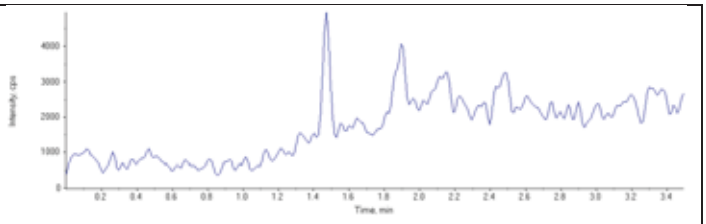
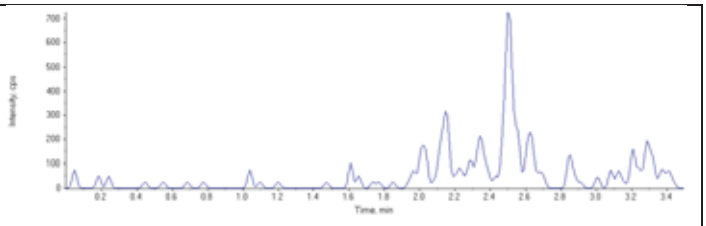


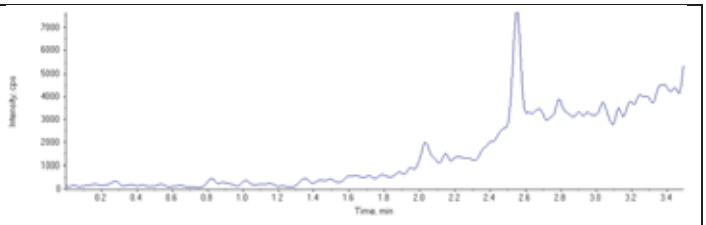
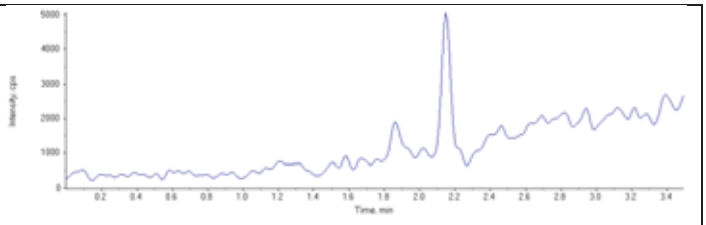
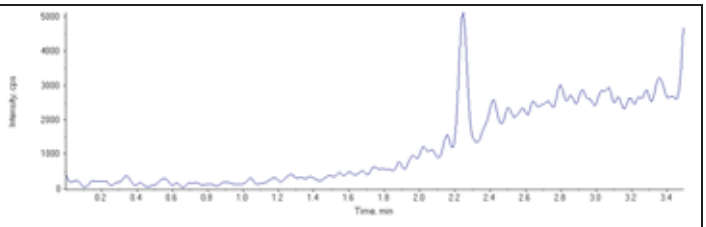
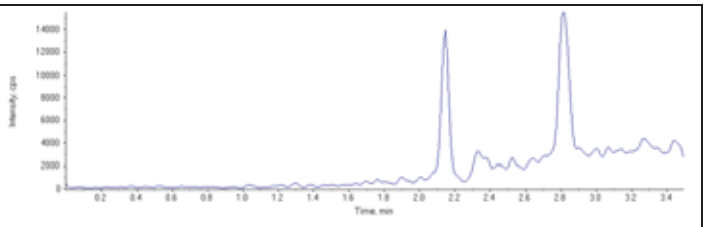
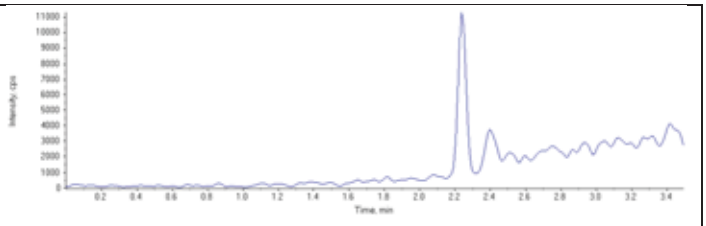
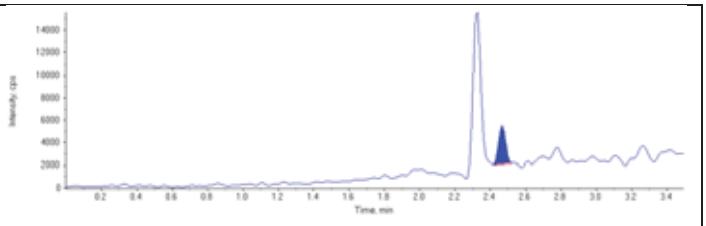
13C6-PFHxA IS (Internal Standard)

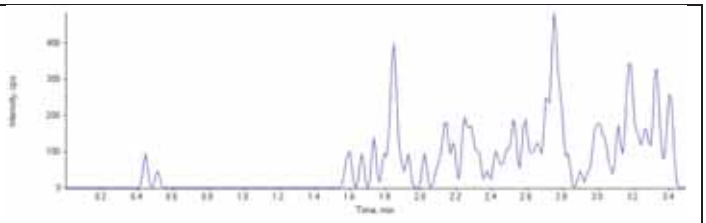
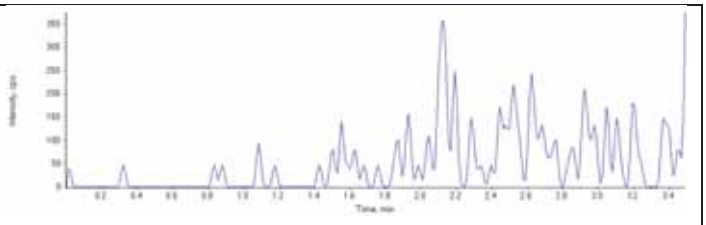
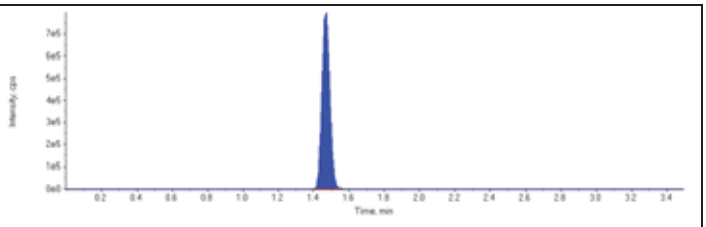
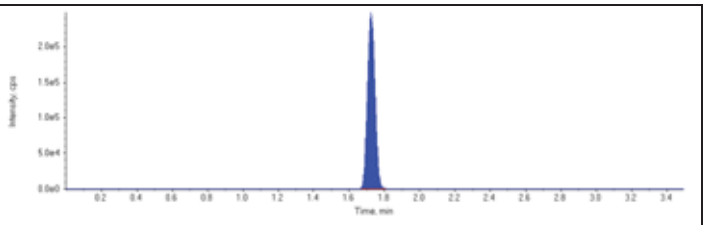
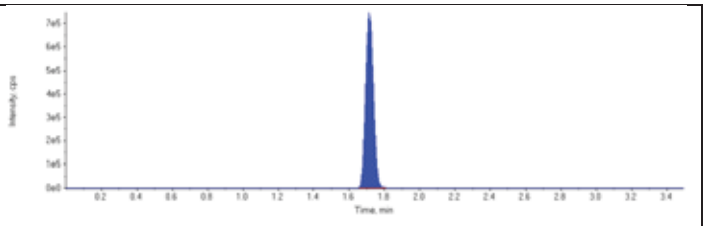
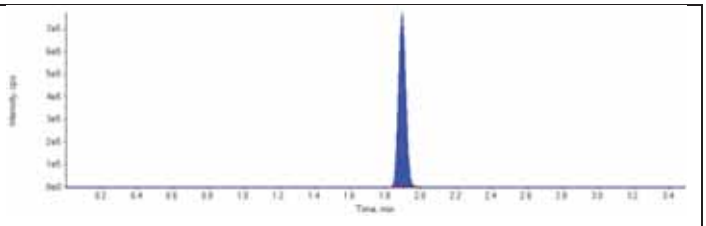
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.19) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.43) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.70) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.88) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.97) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.02) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.14) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.24) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.32) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.47 (2.46) min Calculated Conc: N/A µg/L Area Ratio: 0.00890 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.83) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.10) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 95.4 µg/L Area Ratio: 1.16 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 99.6 µg/L Area Ratio: 0.335 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 91.8 µg/L Area Ratio: 1.06 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 91.9 µg/L Area Ratio: 1.01 Sample Type: (Quality Control)	

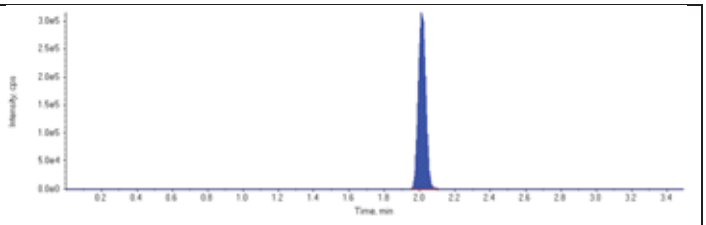
13C4-PFOS (502.900/79.900 Da)

RT (Exp. RT): 2.01 (1.97) min

Calculated Conc: 94.4 µg/L

Area Ratio: 0.426

Sample Type: (Quality Control)



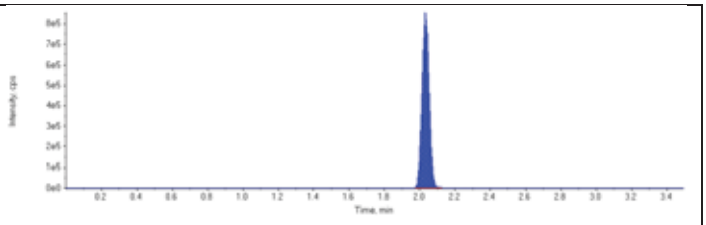
13C5-PFNA (467.900/423.000 Da)

RT (Exp. RT): 2.03 (2.02) min

Calculated Conc: 97.3 µg/L

Area Ratio: 1.12

Sample Type: (Quality Control)



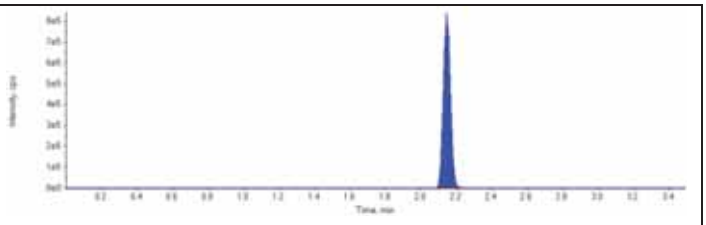
13C2-PFDA (514.900/470.000 Da)

RT (Exp. RT): 2.15 (2.14) min

Calculated Conc: 93.0 µg/L

Area Ratio: 0.431

Sample Type: (Quality Control)



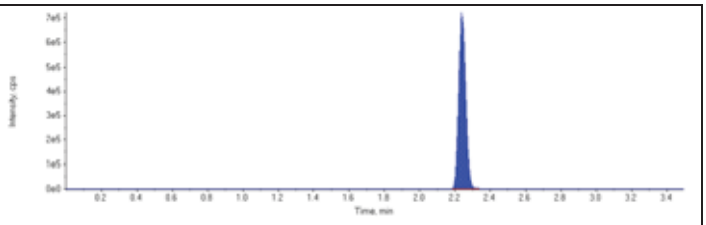
13C2-PFUnA (564.900/520.000 Da)

RT (Exp. RT): 2.24 (2.24) min

Calculated Conc: 98.6 µg/L

Area Ratio: 0.359

Sample Type: (Quality Control)



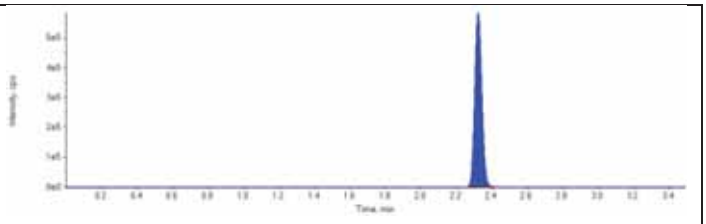
13C2-PFDoA (614.900/570.000 Da)

RT (Exp. RT): 2.32 (2.32) min

Calculated Conc: 92.6 µg/L

Area Ratio: 0.306

Sample Type: (Quality Control)



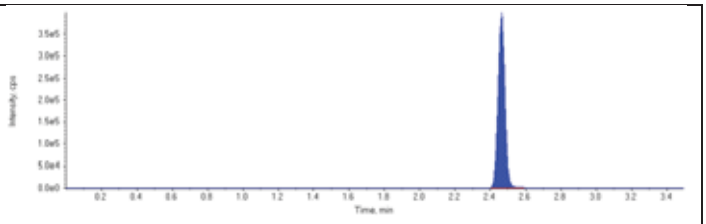
13C2-PFTeDA (714.900/669.900 Da)

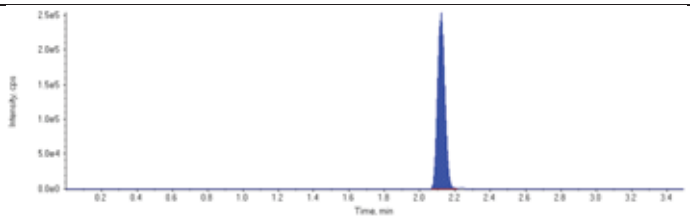
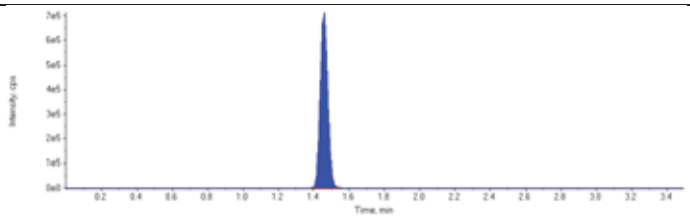
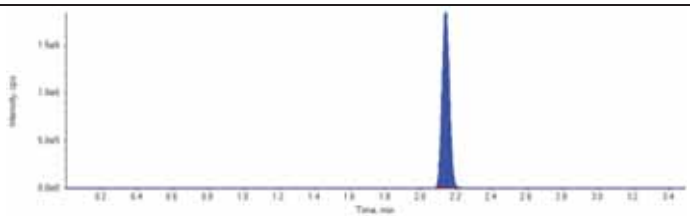
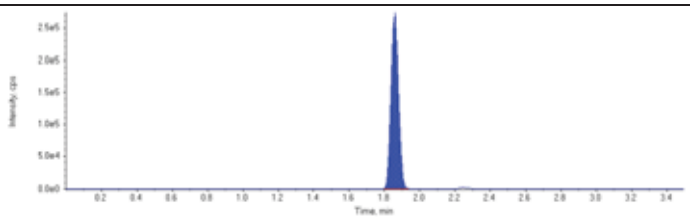
RT (Exp. RT): 2.46 (2.46) min

Calculated Conc: 74.2 µg/L

Area Ratio: 0.192

Sample Type: (Quality Control)



13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 99.4 µg/L Area Ratio: 0.335 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 106. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 106. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 103. µg/L Area Ratio: 0.368 Sample Type: (Quality Control)	

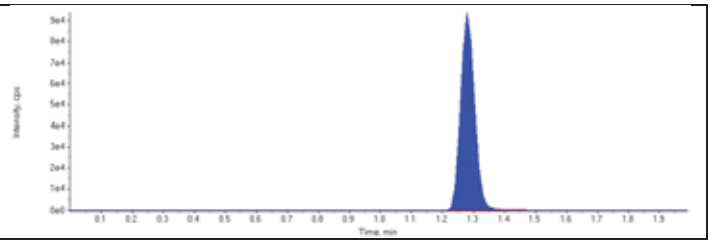
Sample ID	4871838~BLANK	**Injection Volume (µL)**	2
Sample Type	Quality Control	**Injection Vial**	2
Acquisition Date	2017/02/27 8:41:24 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	292000.	1.28	1.00	-
D5-EtFOSAA IS	288000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1680	1.30	0.00	0.0174	0.0
EtFOSAA 1	0	0.00	0.00	N/A	0.0
13C9-PFDA	2480000	0.936	100.	95.0	95.0

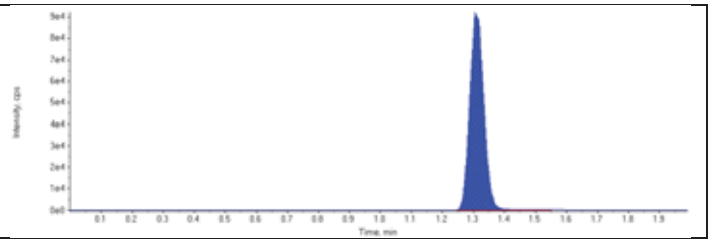
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



D5-EtFOSAA IS (Internal Standard)

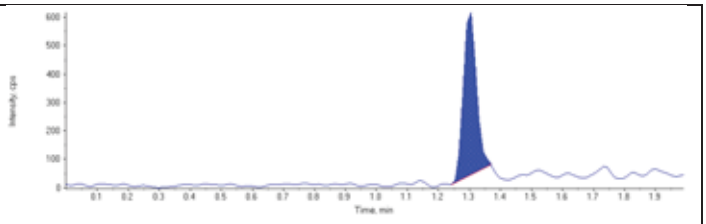
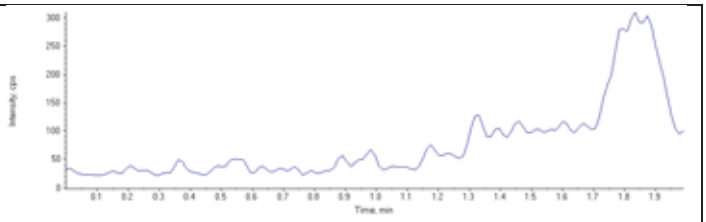
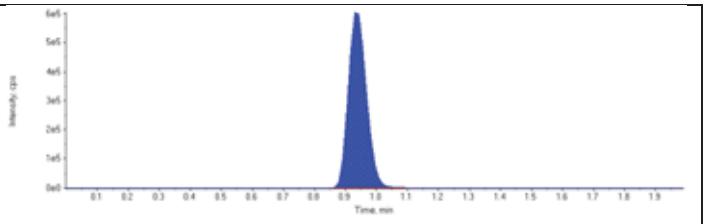
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Quality Control)

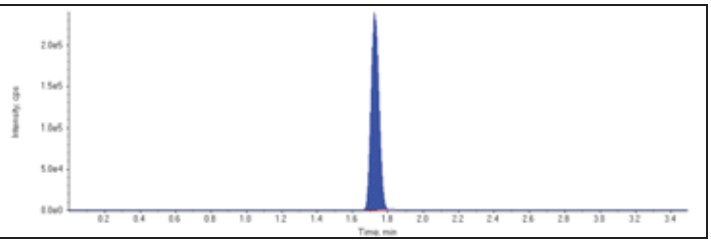
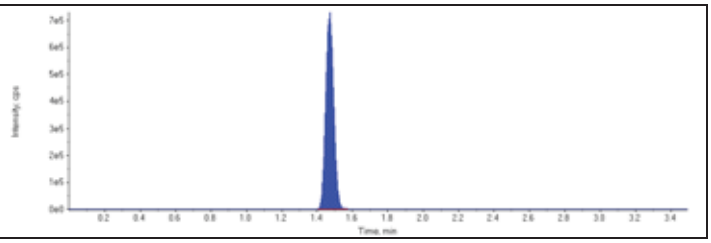
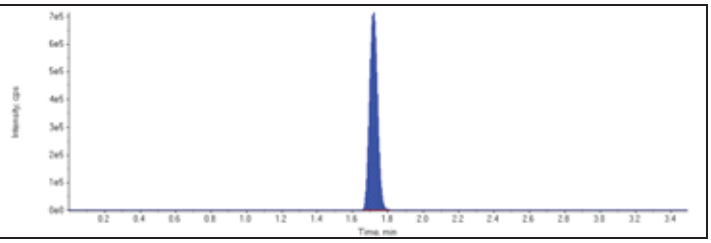
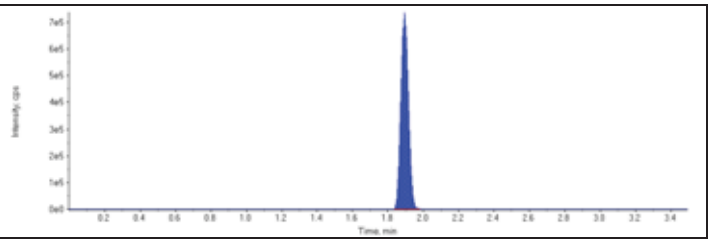
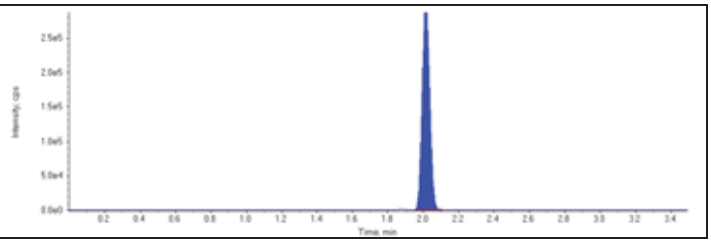
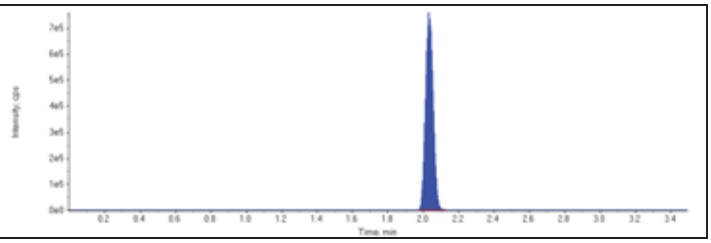
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.30 (1.30) min Calculated Conc: 0.0174 µg/L Area Ratio: 0.00574 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.936 (0.855) min Calculated Conc: 95.0 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

Sample ID	4871838~MTRX SPK (DXR292)	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	10
Acquisition Date	2017/02/27 5:04:22 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Re-injected to confirm surrogate recovery		

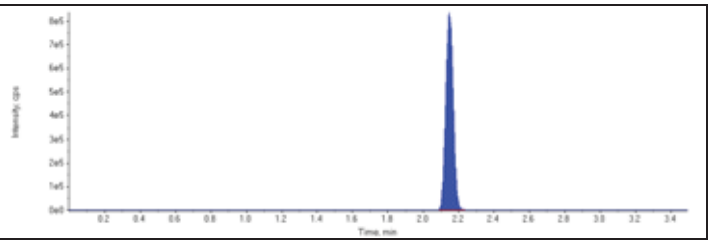
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	733000.	1.73	1.00	-
MPFHxA	2280000.	1.47	1.00	-
MPFHpA	2250000.	1.72	1.00	-
MPFOA	2170000.	1.89	1.00	-
MPFOS	883000.	2.01	1.00	-
MPFNA	2260000.	2.03	1.00	-
MPFDA	2450000.	2.15	1.00	-
MPFUnA	1660000.	2.24	1.00	-
MPFDoA	1410000.	2.33	1.00	-
MPFTeDA	625000.	2.46	1.00	-
M2 6:2 FTS	714000.	1.86	1.00	-
M2 8:2 FTS	682000.	2.12	1.00	-
13C6-PFHxA IS	2150000.	1.46	1.00	-
13C9-PFDA IS	4910000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	8680000	1.19	28.0	31.0	111.0
PFHxA 1	12600000	1.47	28.0	42.8	153.0
PFHxS 1	10000000	1.73	28.0	55.9	200.0
PFHpA 1	6650000	1.72	28.0	34.1	122.0
PFOA 1	6750000	1.89	28.0	38.2	136.0
PFOS 1	10400000	2.01	28.0	79.8	285.0
PFNA 1	6180000	2.03	28.0	33.1	118.0
PFDA 1	9240000	2.15	28.0	31.9	114.0
PFUnA 1	7050000	2.24	28.0	32.1	115.0
PFDoA 1	6520000	2.33	28.0	35.7	127.0
PFTrDA 1	3870000	2.40	28.0	46.0	164.0
PFTeDA 1	2530000	2.46	28.0	32.1	115.0
6:2-FTS 1	3840000	1.86	28.0	81.0	289.0
8:2-FTS 1	3760000	2.12	28.0	38.4	137.0
13C2-PFHxA	2280000	1.47	100.	87.3	87.3
18O2-PFHxS	733000	1.73	100.	101.	101.0
13C4-PFHpA	2250000	1.72	100.	91.1	91.1
13C4-PFOA	2170000	1.89	100.	91.8	91.8
13C4-PFOS	883000	2.01	100.	91.2	91.2
13C5-PFNA	2260000	2.03	100.	91.6	91.6
13C2-PFDA	2450000	2.15	100.	108.	108.0
13C2-PFUnA	1660000	2.24	100.	92.6	92.6
13C2-PFDoA	1410000	2.33	100.	86.9	86.9
13C2-PFTeDA	625000	2.46	100.	49.2	49.2
13C2-8:2 FTS	682000	2.12	100.	94.3	94.3
13C6-PFHxA	2150000	1.46	100.	106.	106.0
13C9-PFDA	4910000	2.14	100.	95.3	95.3
13C2-6:2-FTS	714000	1.86	100.	93.1	93.1

MPFHxS (Internal Standard) RT (Exp. RT): 1.73(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.43) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.72(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

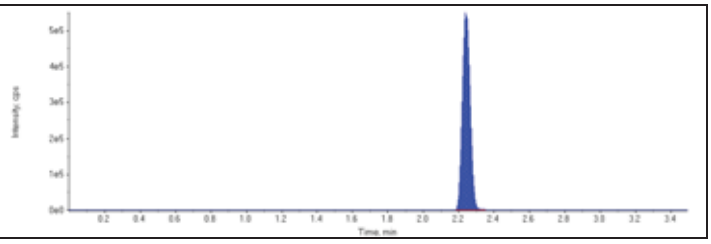
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



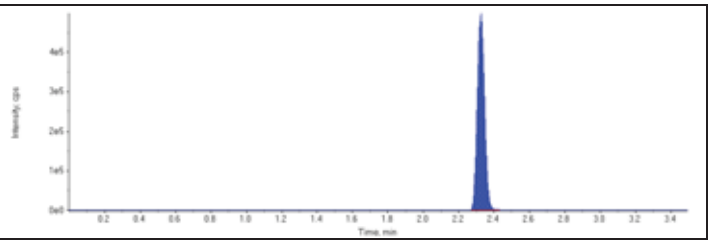
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



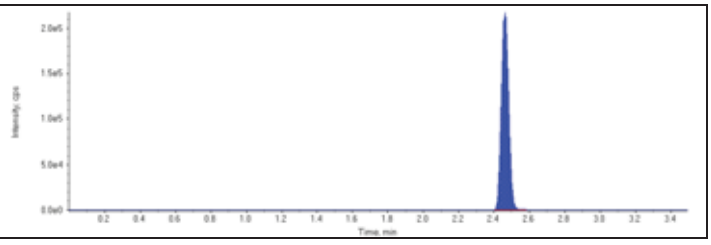
MPFDoA (Internal Standard)

RT (Exp. RT): 2.33(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



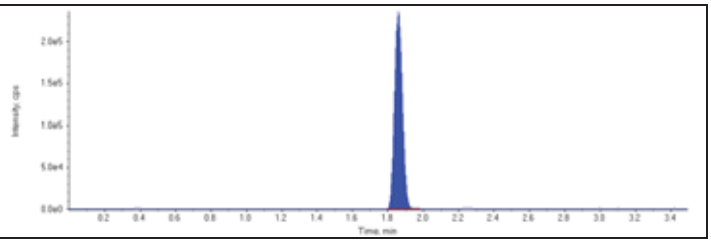
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



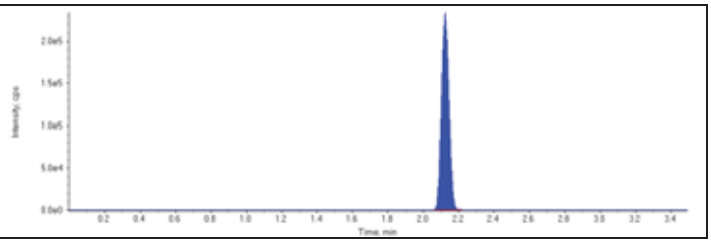
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



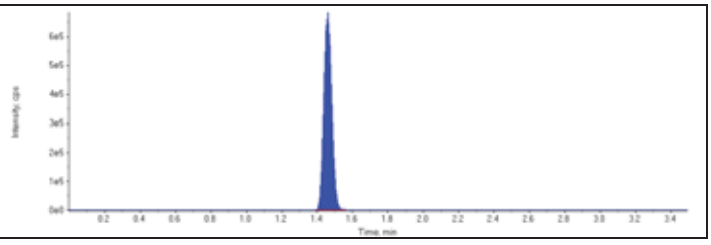
M2 8:2 FTS (Internal Standard)

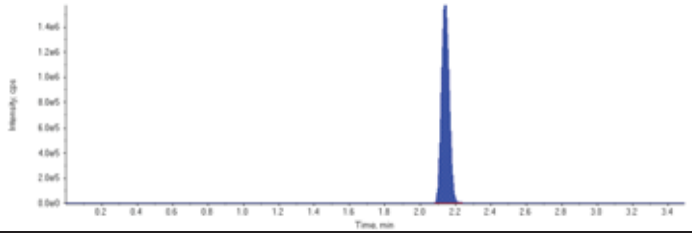
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

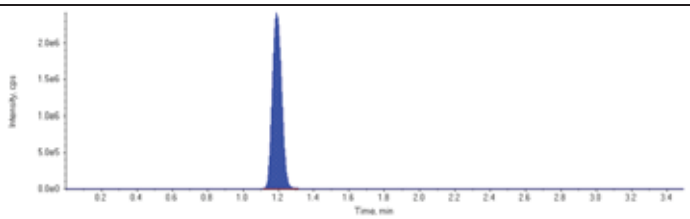
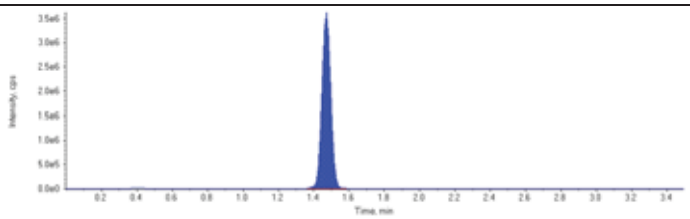
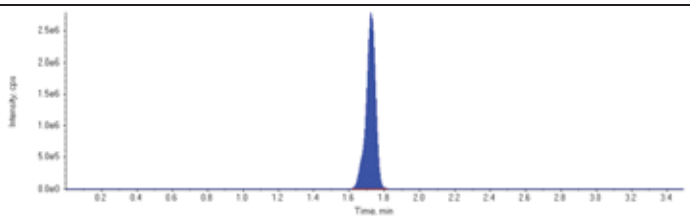
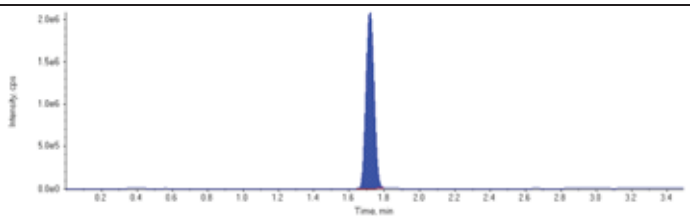
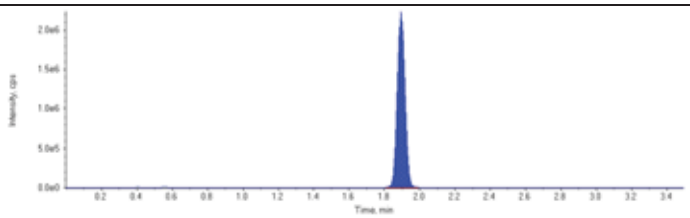
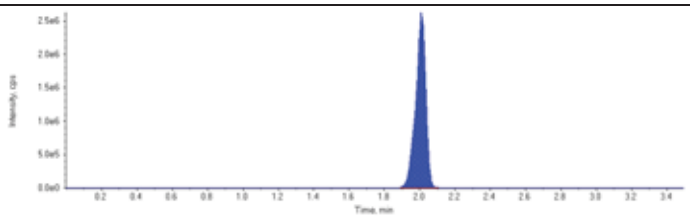


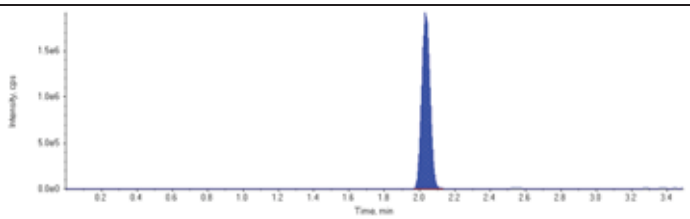
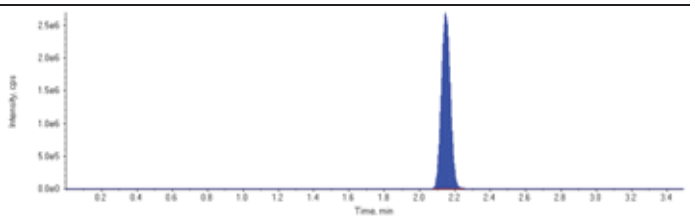
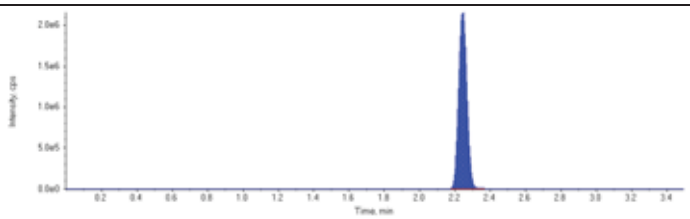
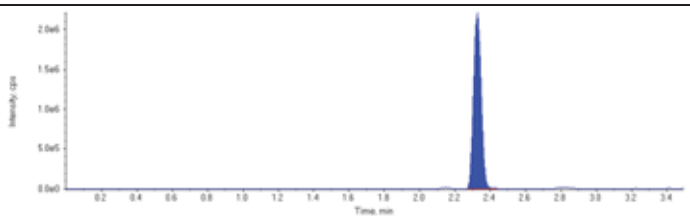
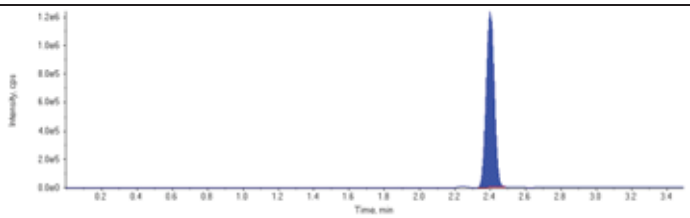
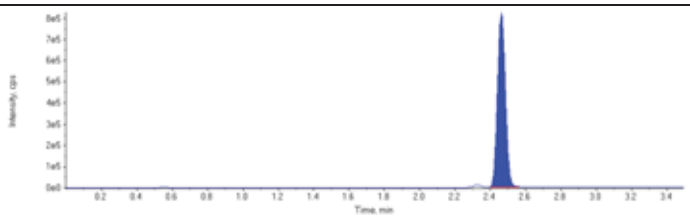
13C6-PFHxA IS (Internal Standard)

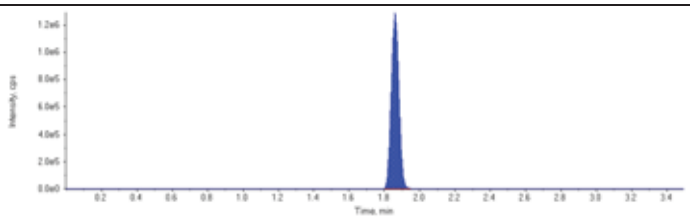
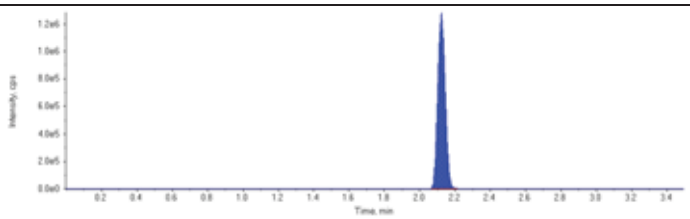
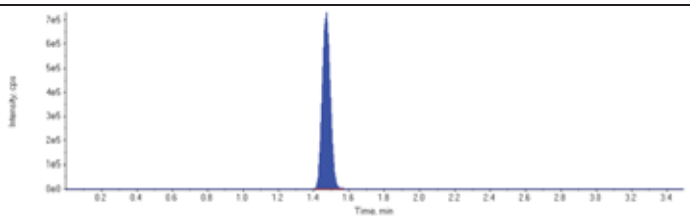
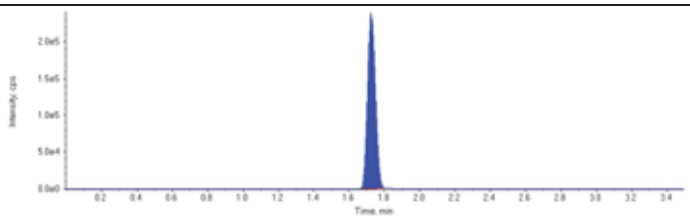
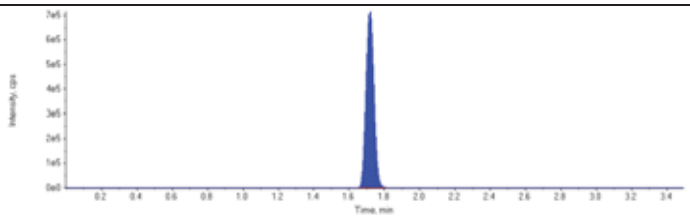
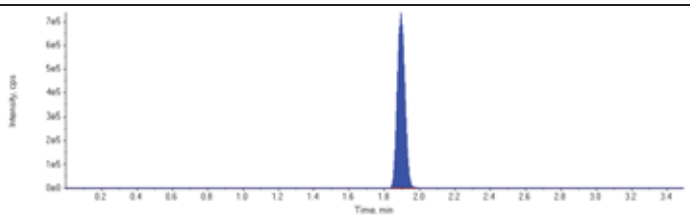
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

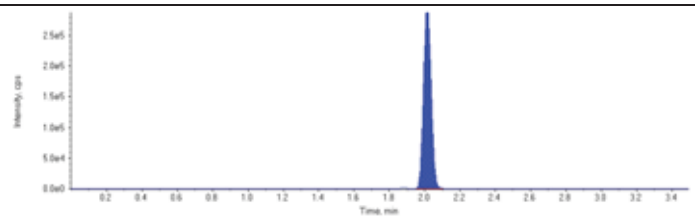
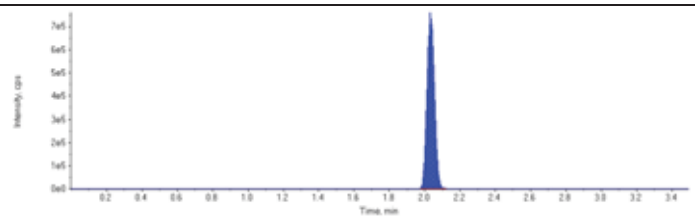
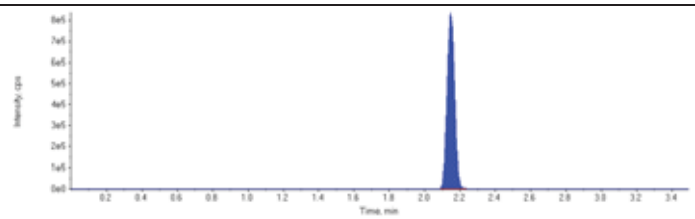
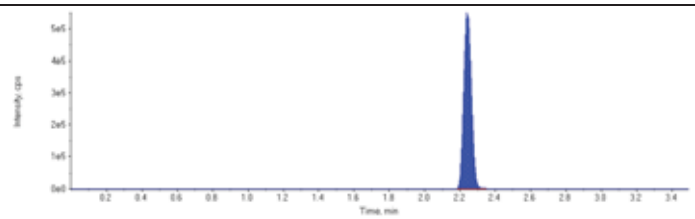
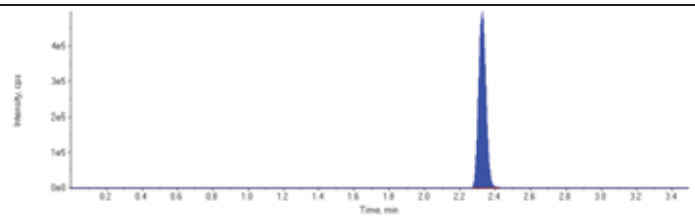
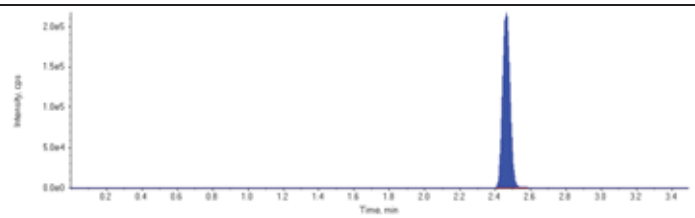


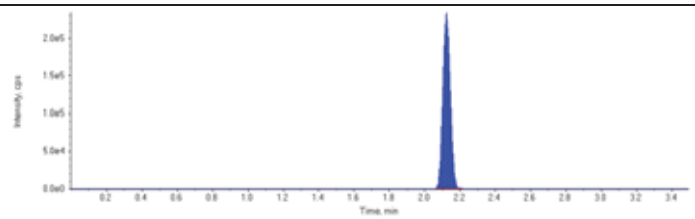
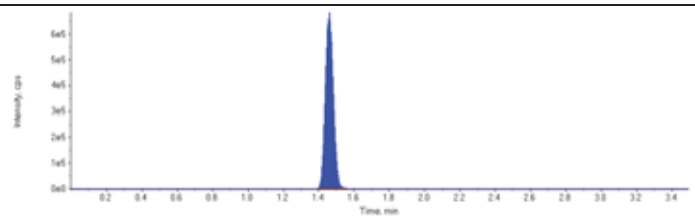
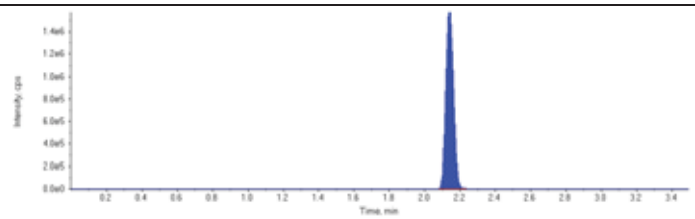
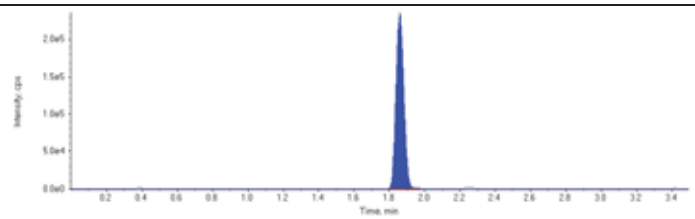
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 31.0 µg/L Area Ratio: 11.8 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 42.8 µg/L Area Ratio: 5.54 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 55.9 µg/L Area Ratio: 13.7 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 34.1 µg/L Area Ratio: 2.95 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 38.2 µg/L Area Ratio: 3.10 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 79.8 µg/L Area Ratio: 11.8 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 33.1 µg/L Area Ratio: 2.74 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 31.9 µg/L Area Ratio: 3.77 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 32.1 µg/L Area Ratio: 4.25 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 35.7 µg/L Area Ratio: 4.63 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 46.0 µg/L Area Ratio: 6.20 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 32.1 µg/L Area Ratio: 4.05 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 81.0 µg/L Area Ratio: 5.38 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 38.4 µg/L Area Ratio: 5.52 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 87.3 µg/L Area Ratio: 1.06 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 101. µg/L Area Ratio: 0.342 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 91.1 µg/L Area Ratio: 1.05 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 91.8 µg/L Area Ratio: 1.01 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 91.2 µg/L Area Ratio: 0.411 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 91.6 µg/L Area Ratio: 1.05 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 108. µg/L Area Ratio: 0.499 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 92.6 µg/L Area Ratio: 0.337 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 86.9 µg/L Area Ratio: 0.287 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 49.2 µg/L Area Ratio: 0.127 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 94.3 µg/L Area Ratio: 0.318 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 106. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 95.3 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 93.1 µg/L Area Ratio: 0.333 Sample Type: (Quality Control)	

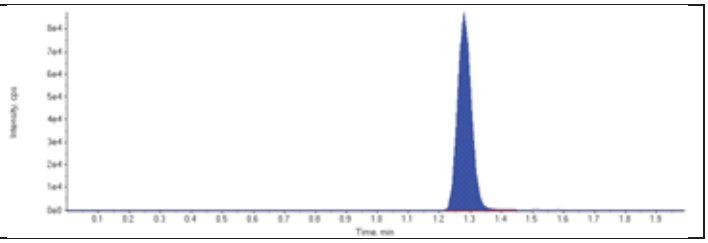
Sample ID	4871838~MTRX SPK (DXR292)	**Injection Volume (µL)**	2
Sample Type	Quality Control	**Injection Vial**	10
Acquisition Date	2017/02/27 9:25:14 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	265000.	1.28	1.00	-
D5-EtFOSAA IS	243000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1320000	1.28	28.0	31.8	113.0
EtFOSAA 1	1120000	1.32	28.0	32.6	116.0
13C9-PFDA	2450000	0.933	100.	93.9	93.9

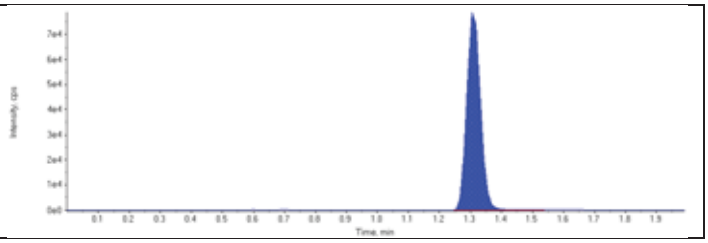
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



D5-EtFOSAA IS (Internal Standard)

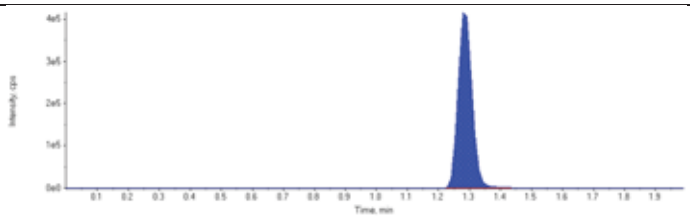
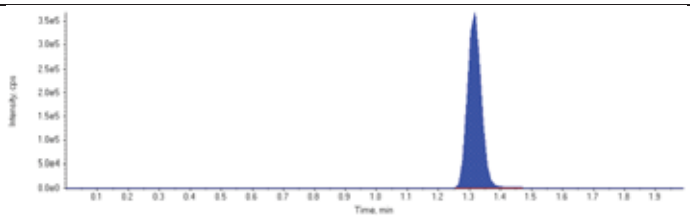
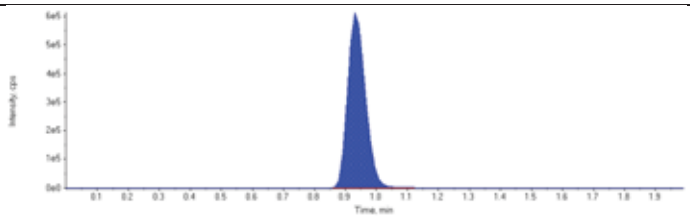
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Quality Control)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.28 (1.30) min Calculated Conc: 31.8 µg/L Area Ratio: 4.98 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.32 (1.31) min Calculated Conc: 32.6 µg/L Area Ratio: 4.61 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.933 (0.855) min Calculated Conc: 93.9 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

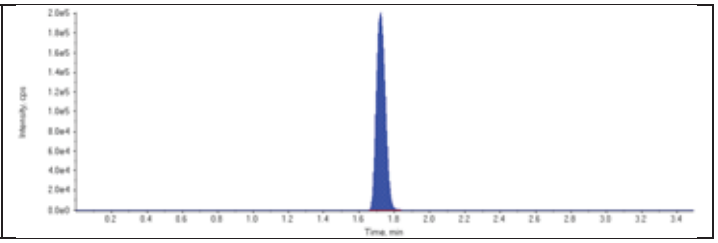
Sample ID	4871838~MTRX SPK (DXR292)	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	10
Acquisition Date	2017/02/28 8:35:30 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Re-injection, reported		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	698000.	1.72	1.00	-
MPFHxA	2270000.	1.46	1.00	-
MPFHpA	2150000.	1.71	1.00	-
MPFOA	2220000.	1.89	1.00	-
MPFOS	888000.	2.01	1.00	-
MPFNA	2240000.	2.03	1.00	-
MPFDA	2330000.	2.14	1.00	-
MPFUnA	1850000.	2.24	1.00	-
MPFDoA	1370000.	2.32	1.00	-
MPFTeDA	670000.	2.46	1.00	-
M2 6:2 FTS	727000.	1.85	1.00	-
M2 8:2 FTS	677000.	2.12	1.00	-
13C6-PFHxA IS	2140000.	1.45	1.00	-
13C9-PFDA IS	5380000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	8930000	1.18	28.0	33.4	119.0
PFHxA 1	13100000	1.46	28.0	44.7	160.0
PFHxS 1	9950000	1.72	28.0	58.2	208.0
PFHpA 1	6510000	1.71	28.0	34.9	125.0
PFOA 1	7040000	1.89	28.0	39.1	140.0
PFOS 1	10200000	2.00	28.0	78.1	279.0
PFNA 1	5960000	2.03	28.0	32.1	115.0
PFDA 1	9360000	2.14	28.0	34.0	122.0
PFUnA 1	7140000	2.24	28.0	29.2	104.0
PFDoA 1	6010000	2.32	28.0	33.8	121.0
PFTrDA 1	4030000	2.39	28.0	44.6	159.0
PFTeDA 1	2840000	2.46	28.0	33.5	120.0
6:2-FTS 1	3810000	1.86	28.0	78.9	282.0
8:2-FTS 1	3800000	2.12	28.0	39.0	139.0
13C2-PFHxA	2270000	1.46	100.	87.3	87.3
18O2-PFHxS	698000	1.72	100.	96.9	96.9
13C4-PFHpA	2150000	1.71	100.	87.2	87.2
13C4-PFOA	2220000	1.89	100.	93.8	93.8
13C4-PFOS	888000	2.01	100.	92.0	92.0
13C5-PFNA	2240000	2.03	100.	91.2	91.2
13C2-PFDA	2330000	2.14	100.	93.3	93.3
13C2-PFUnA	1850000	2.24	100.	94.1	94.1
13C2-PFDoA	1370000	2.32	100.	77.2	77.2
13C2-PFTeDA	670000	2.46	100.	48.1	48.1
13C2-8:2 FTS	677000	2.12	100.	93.9	93.9
13C6-PFHxA	2140000	1.45	100.	106.	106.0
13C9-PFDA	5380000	2.14	100.	104.	104.0
13C2-6:2-FTS	727000	1.85	100.	95.1	95.1

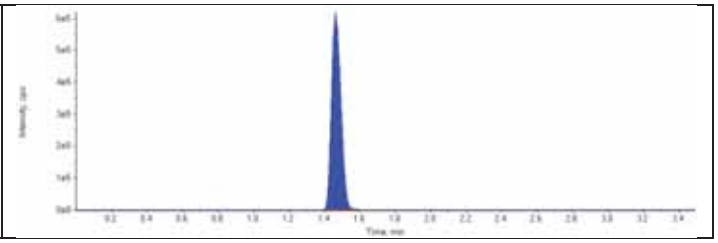
MPFHxS (Internal Standard)

RT (Exp. RT): 1.72(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



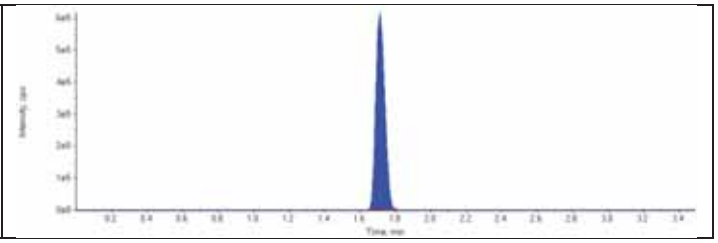
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



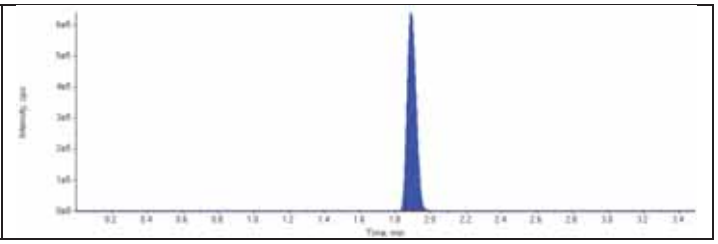
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



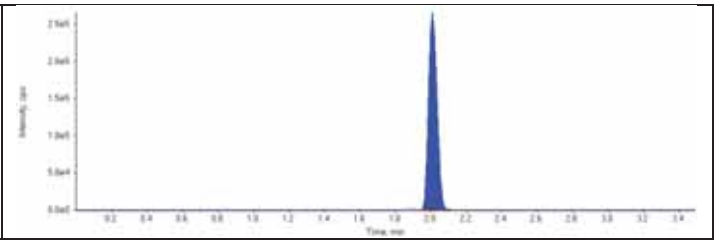
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



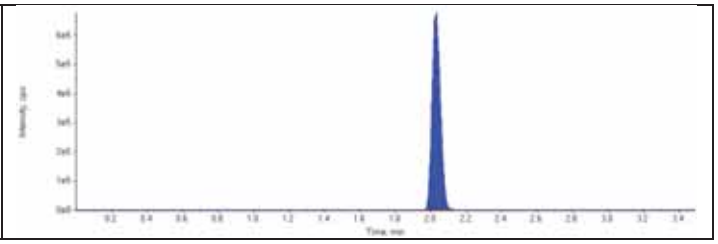
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



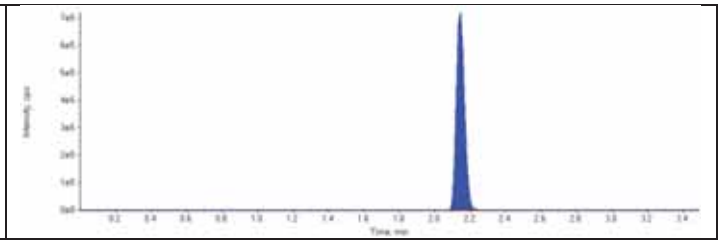
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



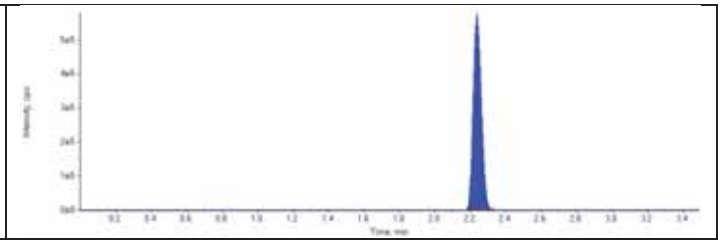
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



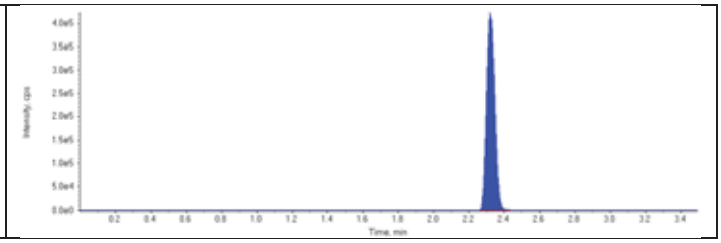
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



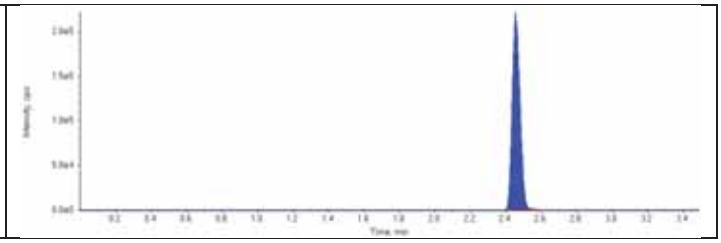
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



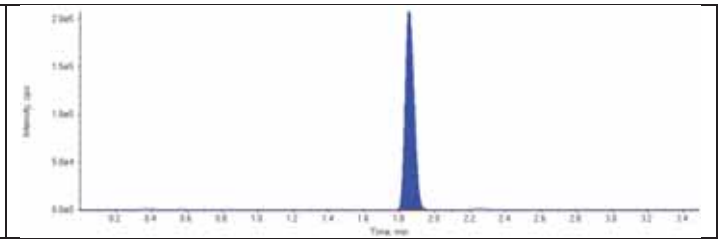
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



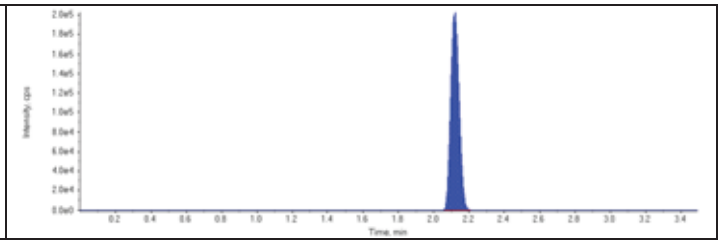
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.85(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



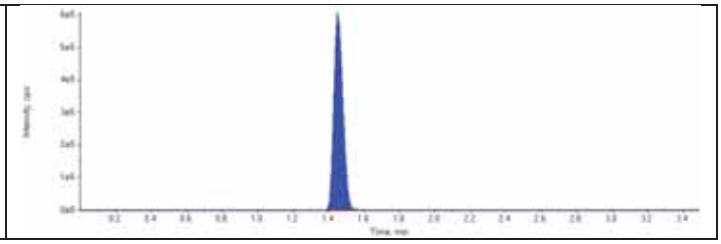
M2 8:2 FTS (Internal Standard)

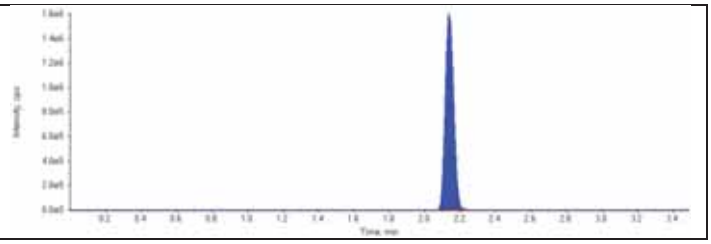
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

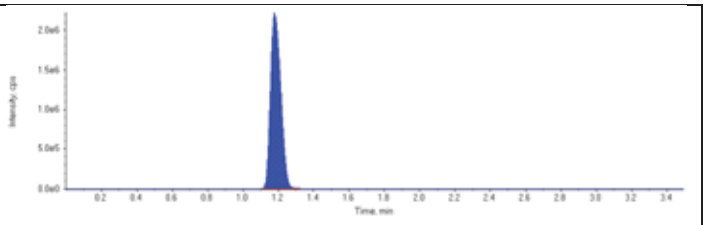
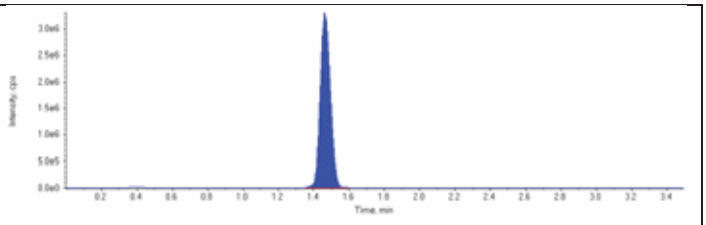
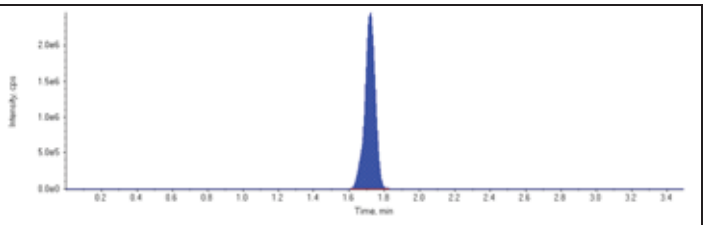
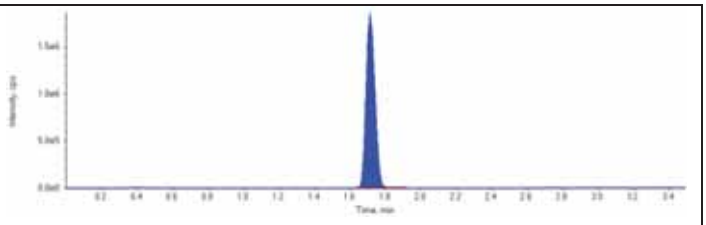
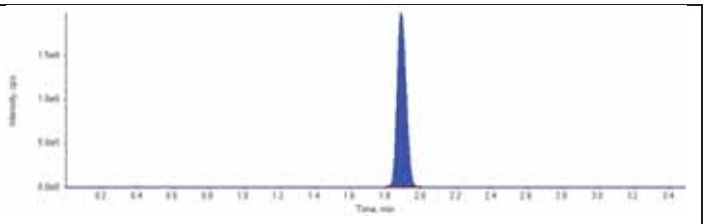
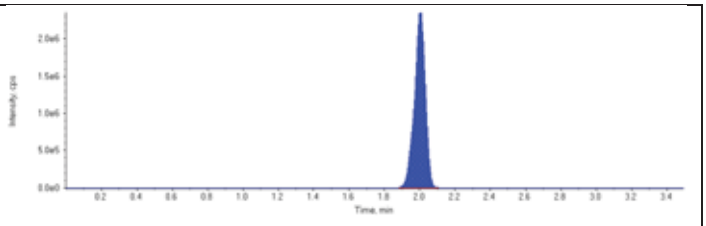


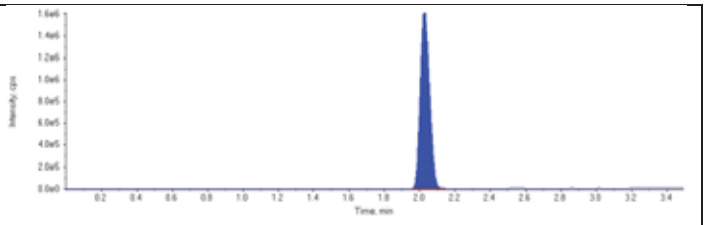
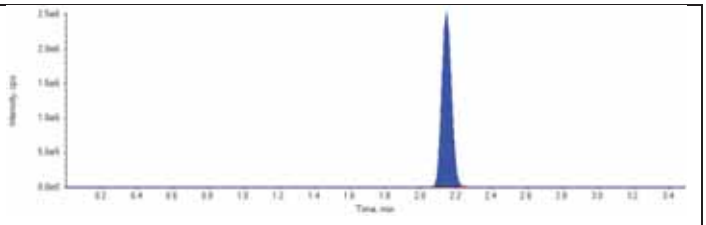
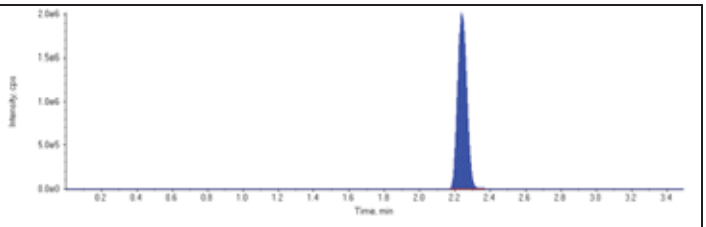
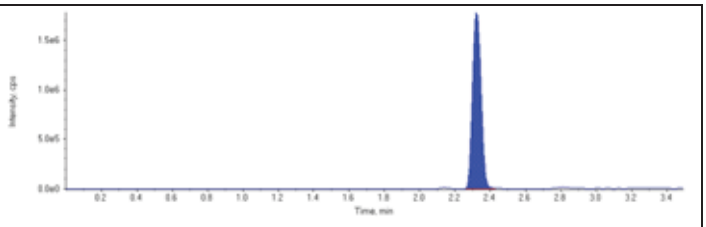
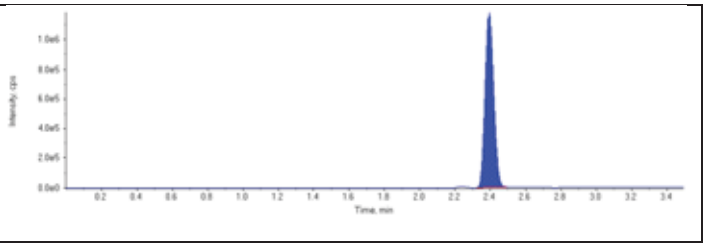
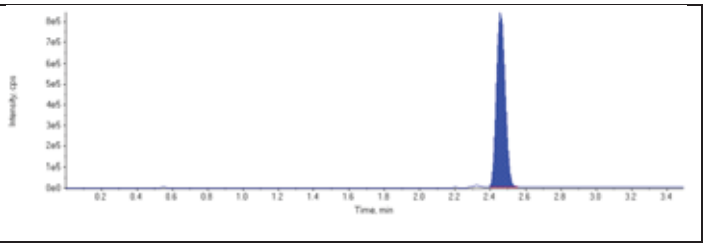
13C6-PFHxA IS (Internal Standard)

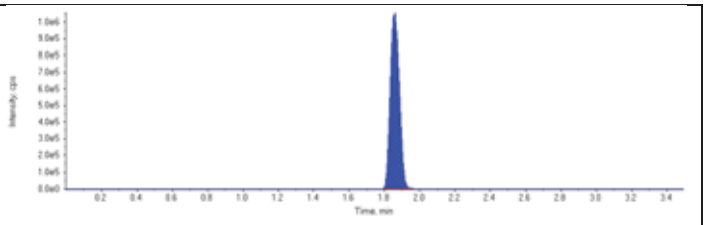
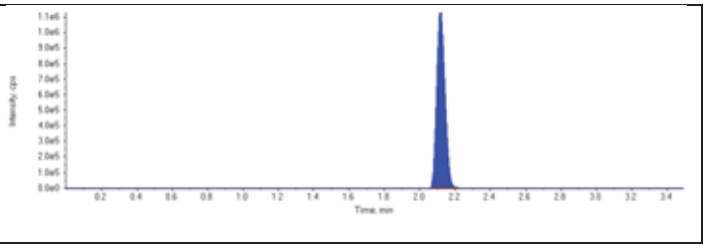
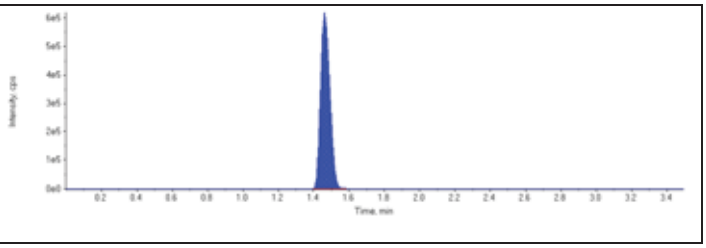
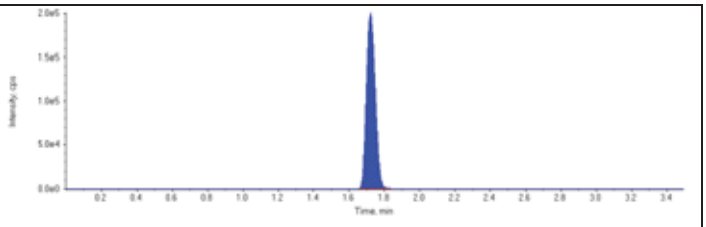
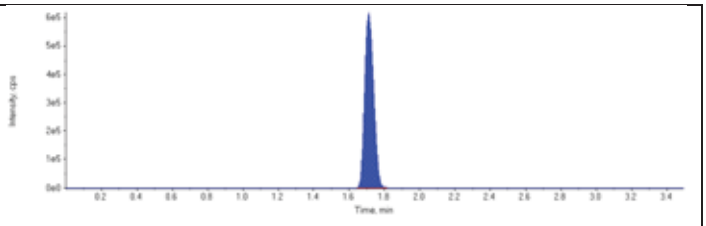
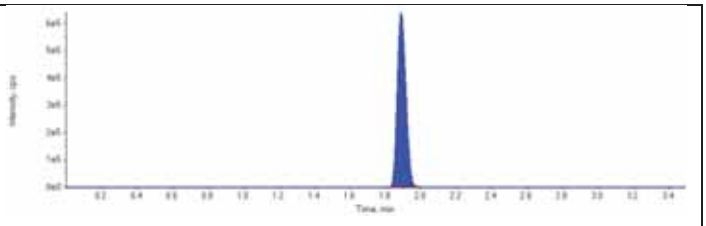
RT (Exp. RT): 1.45(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.18 (1.19) min Calculated Conc: 33.4 µg/L Area Ratio: 12.8 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 44.7 µg/L Area Ratio: 5.79 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 58.2 µg/L Area Ratio: 14.3 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.70) min Calculated Conc: 34.9 µg/L Area Ratio: 3.02 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 39.1 µg/L Area Ratio: 3.18 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.00 (1.97) min Calculated Conc: 78.1 µg/L Area Ratio: 11.5 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 32.1 µg/L Area Ratio: 2.66 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 34.0 µg/L Area Ratio: 4.03 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 29.2 µg/L Area Ratio: 3.87 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 33.8 µg/L Area Ratio: 4.38 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 44.6 µg/L Area Ratio: 6.01 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 33.5 µg/L Area Ratio: 4.23 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 78.9 µg/L Area Ratio: 5.24 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 39.0 µg/L Area Ratio: 5.61 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 87.3 µg/L Area Ratio: 1.06 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 96.9 µg/L Area Ratio: 0.326 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 87.2 µg/L Area Ratio: 1.01 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 93.8 µg/L Area Ratio: 1.04 Sample Type: (Quality Control)	

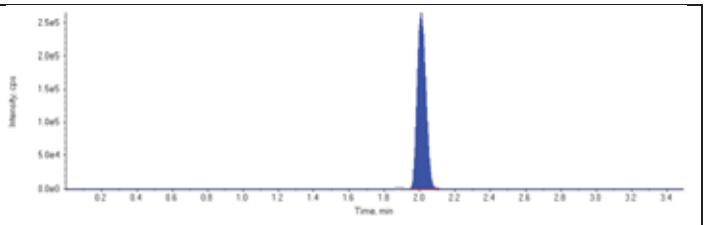
13C4-PFOS (502.900/79.900 Da)

RT (Exp. RT): 2.01 (1.97) min

Calculated Conc: 92.0 µg/L

Area Ratio: 0.415

Sample Type: (Quality Control)



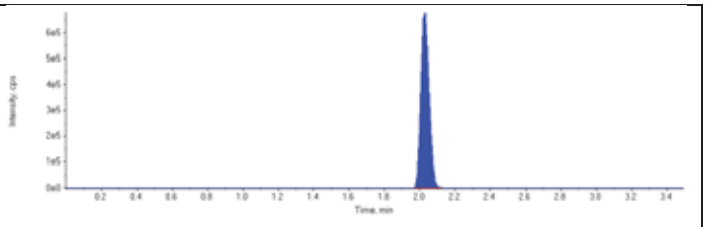
13C5-PFNA (467.900/423.000 Da)

RT (Exp. RT): 2.03 (2.02) min

Calculated Conc: 91.2 µg/L

Area Ratio: 1.05

Sample Type: (Quality Control)



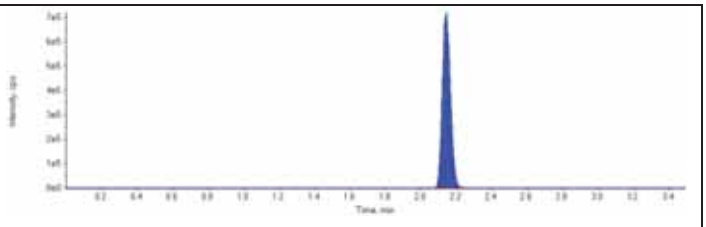
13C2-PFDA (514.900/470.000 Da)

RT (Exp. RT): 2.14 (2.14) min

Calculated Conc: 93.3 µg/L

Area Ratio: 0.432

Sample Type: (Quality Control)



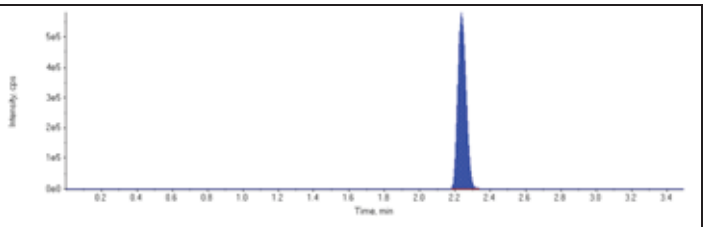
13C2-PFUnA (564.900/520.000 Da)

RT (Exp. RT): 2.24 (2.24) min

Calculated Conc: 94.1 µg/L

Area Ratio: 0.343

Sample Type: (Quality Control)



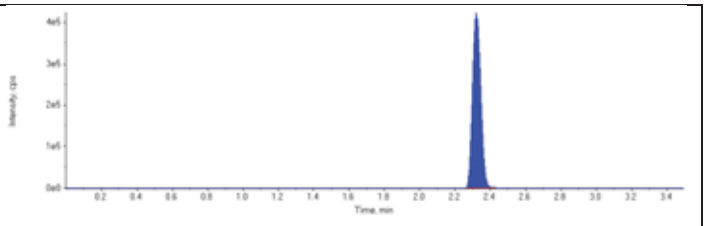
13C2-PFDoA (614.900/570.000 Da)

RT (Exp. RT): 2.32 (2.32) min

Calculated Conc: 77.2 µg/L

Area Ratio: 0.255

Sample Type: (Quality Control)



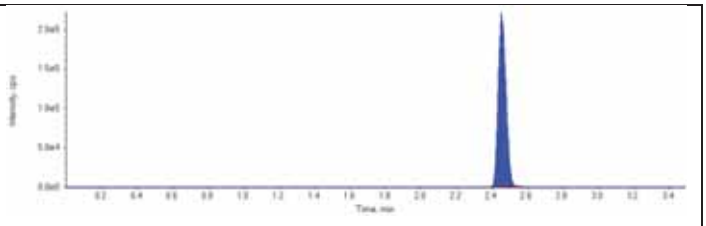
13C2-PFTeDA (714.900/669.900 Da)

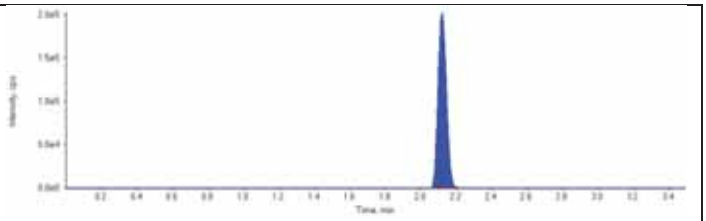
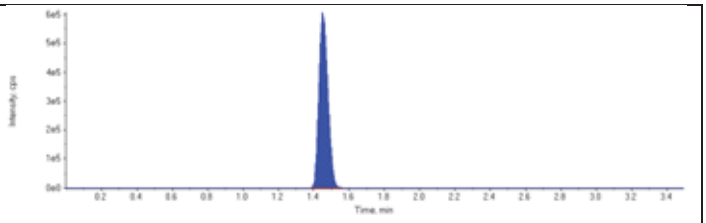
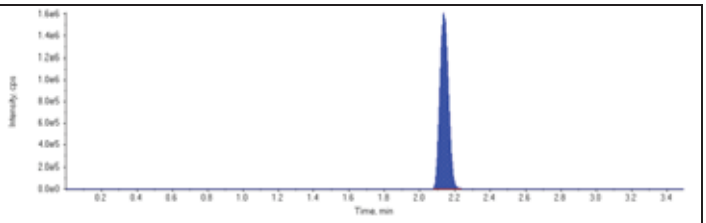
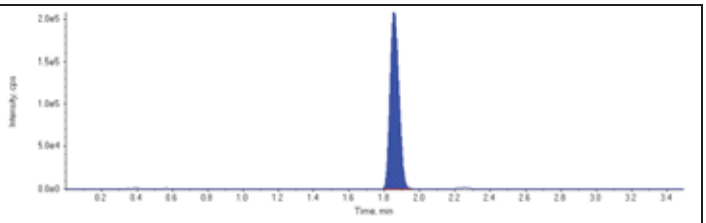
RT (Exp. RT): 2.46 (2.46) min

Calculated Conc: 48.1 µg/L

Area Ratio: 0.125

Sample Type: (Quality Control)

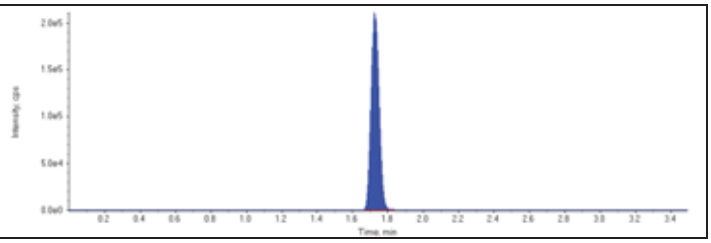
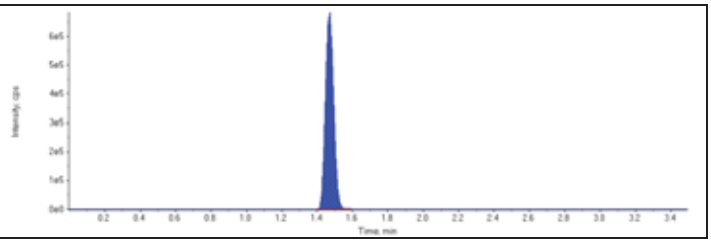
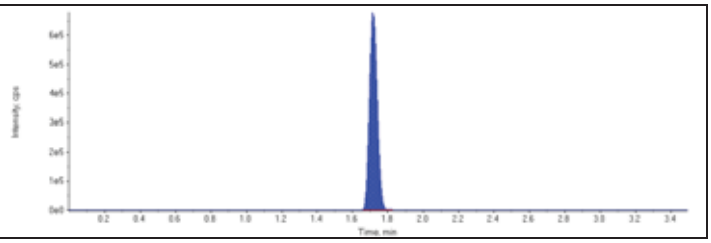
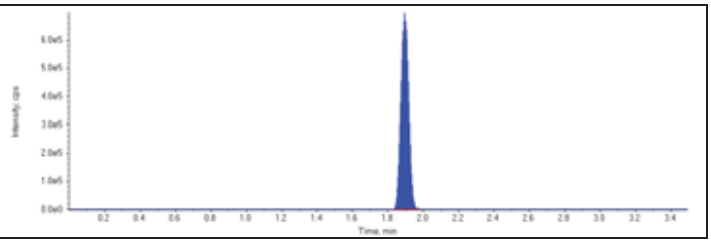
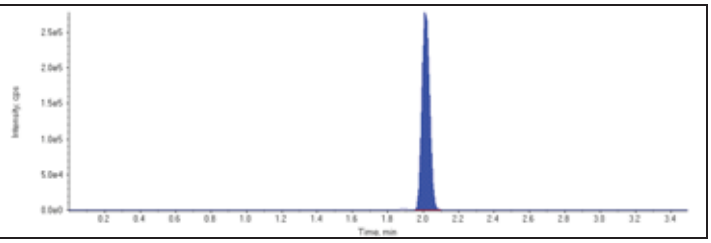
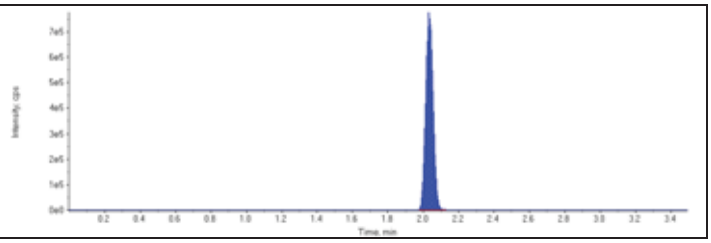


13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 93.9 µg/L Area Ratio: 0.316 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.42) min Calculated Conc: 106. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 104. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.85 (1.83) min Calculated Conc: 95.1 µg/L Area Ratio: 0.340 Sample Type: (Quality Control)	

Sample ID	4871838~MTRX SPK:D1 (DXR292)	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	11
Acquisition Date	2017/02/27 5:09:28 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Re-injected to confirm surrogate recovery		

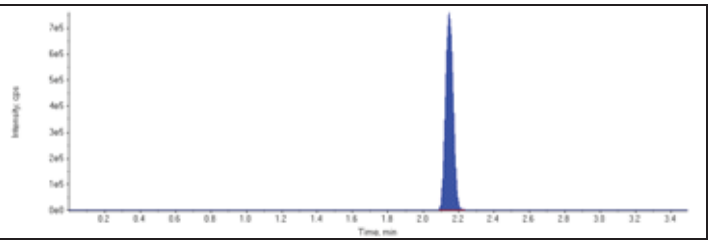
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	666000.	1.73	1.00	-
MPFHxA	2230000.	1.47	1.00	-
MPFHpA	2120000.	1.72	1.00	-
MPFOA	2100000.	1.90	1.00	-
MPFOS	841000.	2.01	1.00	-
MPFNA	2270000.	2.03	1.00	-
MPFDA	2250000.	2.15	1.00	-
MPFUnA	1640000.	2.24	1.00	-
MPFDoA	1410000.	2.32	1.00	-
MPFTeDA	632000.	2.46	1.00	-
M2 6:2 FTS	760000.	1.86	1.00	-
M2 8:2 FTS	689000.	2.12	1.00	-
13C6-PFHxA IS	1910000.	1.46	1.00	-
13C9-PFDA IS	4890000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	8870000	1.19	28.0	34.8	124.0
PFHxA 1	12900000	1.47	28.0	44.9	160.0
PFHxS 1	10000000	1.73	28.0	61.4	219.0
PFHpA 1	6370000	1.72	28.0	34.7	124.0
PFOA 1	6780000	1.89	28.0	39.7	142.0
PFOS 1	9900000	2.01	28.0	79.8	285.0
PFNA 1	5650000	2.03	28.0	30.0	107.0
PFDA 1	9070000	2.15	28.0	34.1	122.0
PFUnA 1	6810000	2.24	28.0	31.3	112.0
PFDoA 1	6120000	2.32	28.0	33.4	119.0
PFTrDA 1	4020000	2.40	28.0	47.2	169.0
PFTeDA 1	2480000	2.46	28.0	31.1	111.0
6:2-FTS 1	4150000	1.86	28.0	82.2	294.0
8:2-FTS 1	3910000	2.12	28.0	39.5	141.0
13C2-PFHxA	2230000	1.47	100.	95.7	95.7
18O2-PFHxS	666000	1.73	100.	103.	103.0
13C4-PFHpA	2120000	1.72	100.	96.2	96.2
13C4-PFOA	2100000	1.90	100.	99.6	99.6
13C4-PFOS	841000	2.01	100.	97.5	97.5
13C5-PFNA	2270000	2.03	100.	103.	103.0
13C2-PFDA	2250000	2.15	100.	99.3	99.3
13C2-PFUnA	1640000	2.24	100.	91.9	91.9
13C2-PFDoA	1410000	2.32	100.	87.6	87.6
13C2-PFTeDA	632000	2.46	100.	49.9	49.9
13C2-8:2 FTS	689000	2.12	100.	107.	107.0
13C6-PFHxA	1910000	1.46	100.	94.4	94.4
13C9-PFDA	4890000	2.14	100.	94.9	94.9
13C2-6:2-FTS	760000	1.86	100.	111.	111.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.73(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.43) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.72(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.90(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

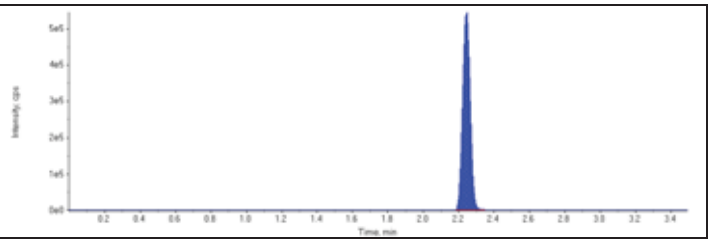
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



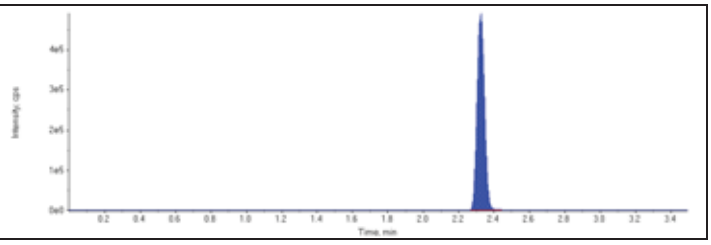
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



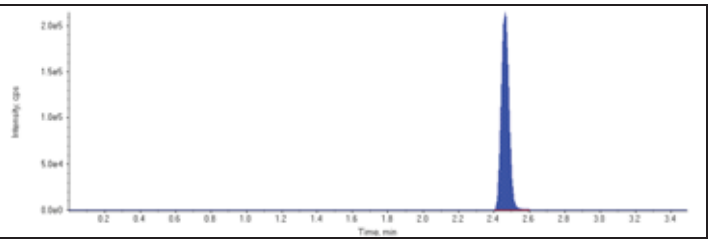
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



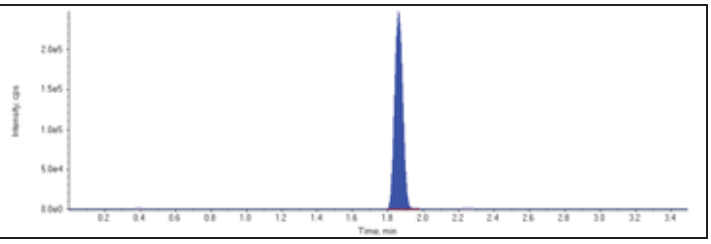
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



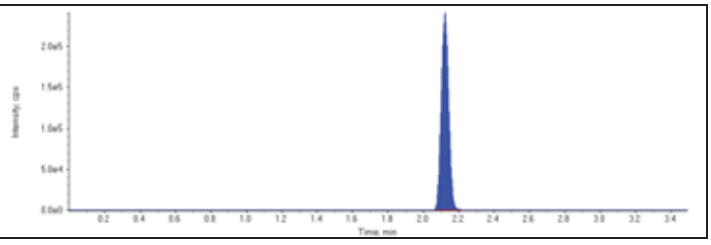
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



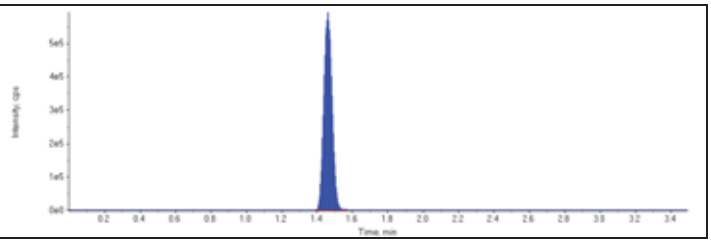
M2 8:2 FTS (Internal Standard)

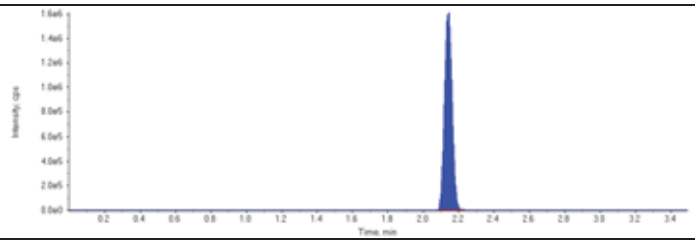
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

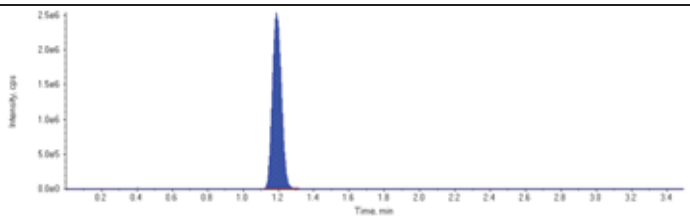
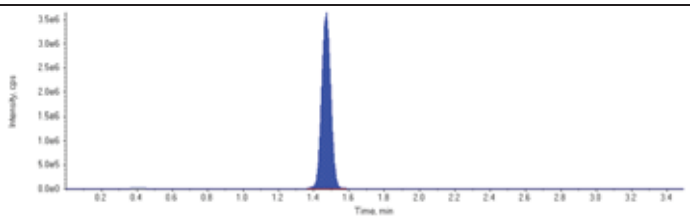
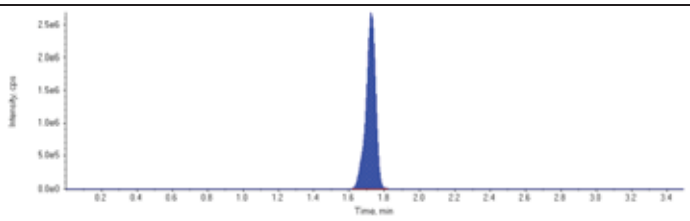
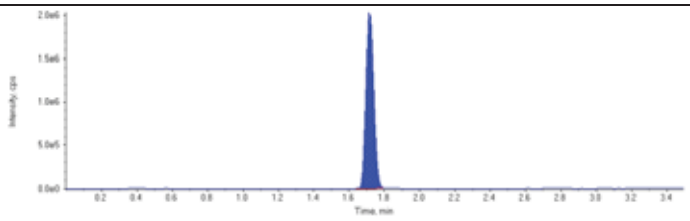
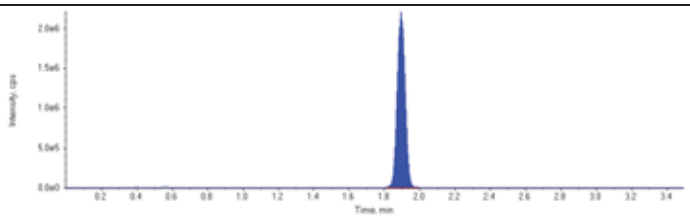
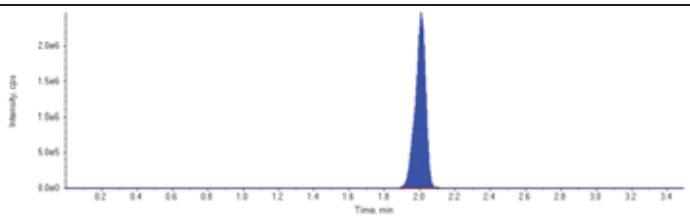


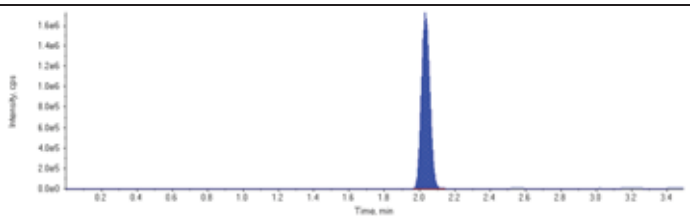
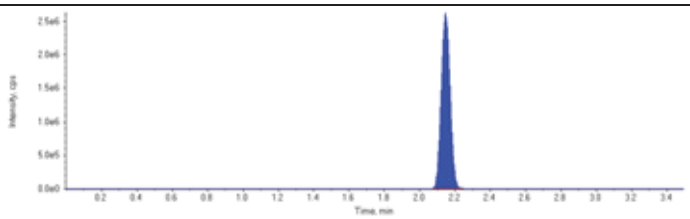
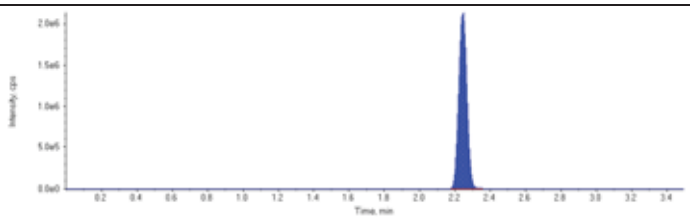
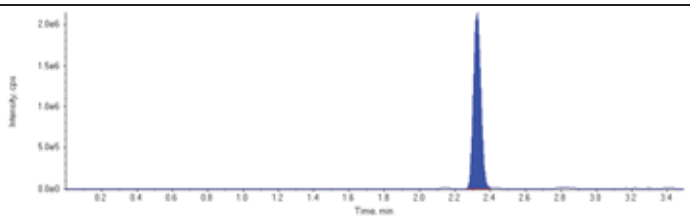
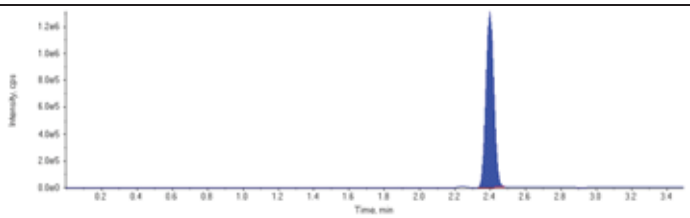
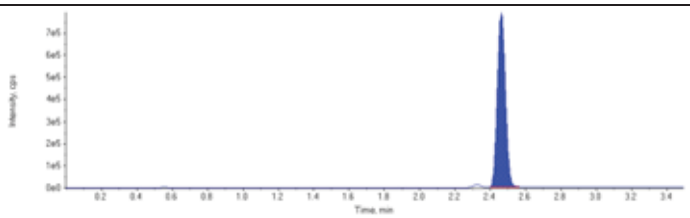
13C6-PFHxA IS (Internal Standard)

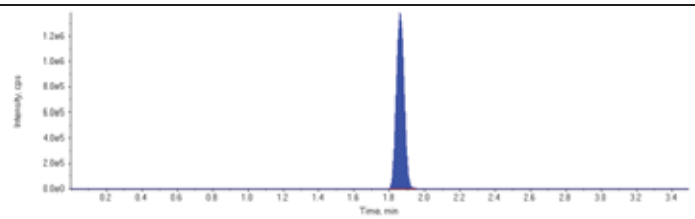
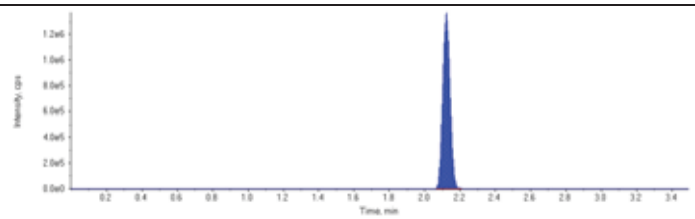
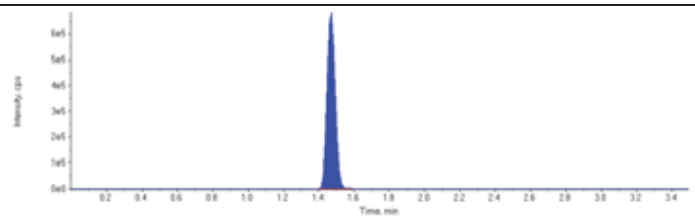
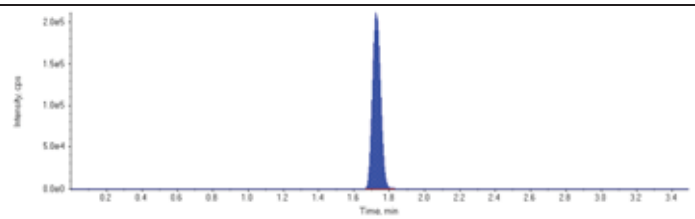
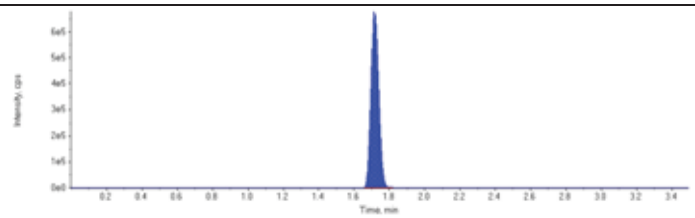
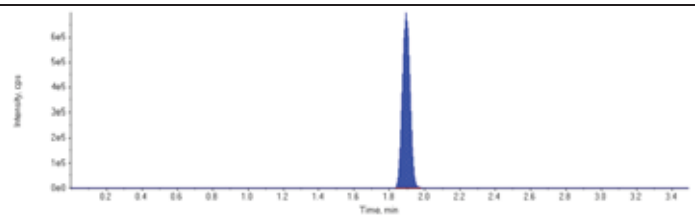
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

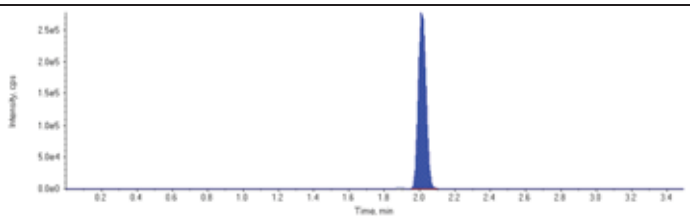
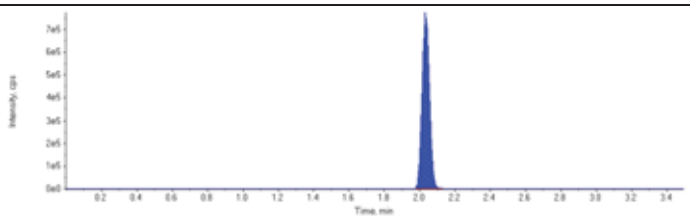
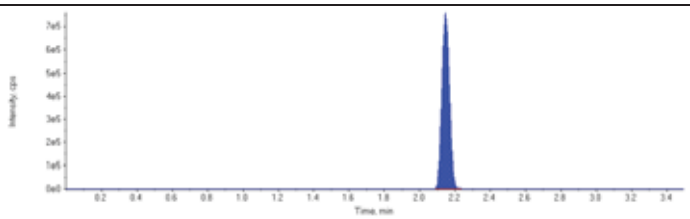
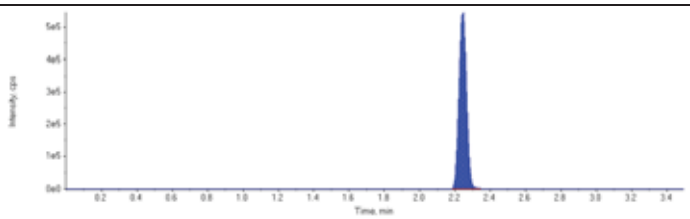
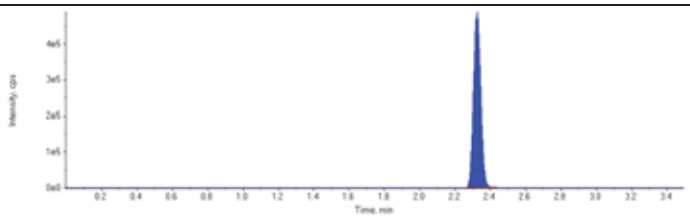
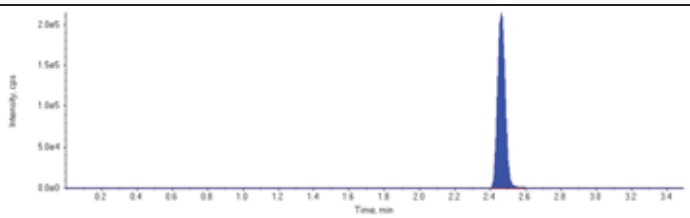


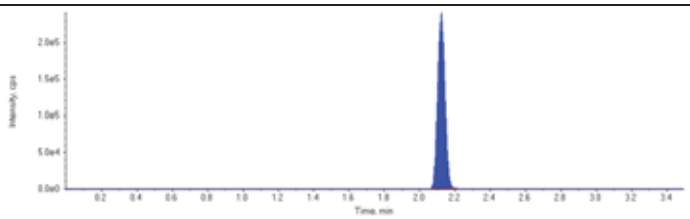
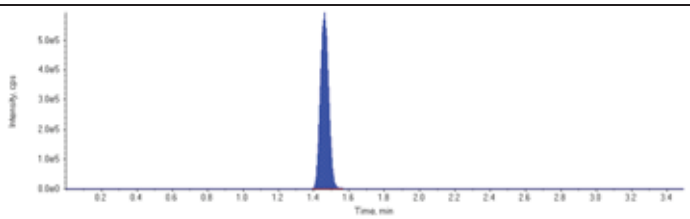
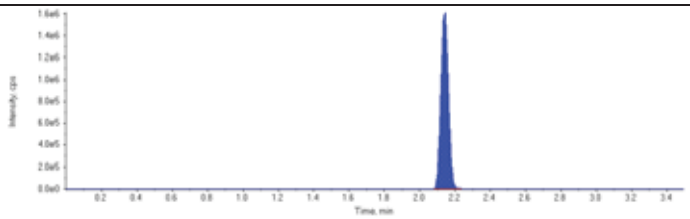
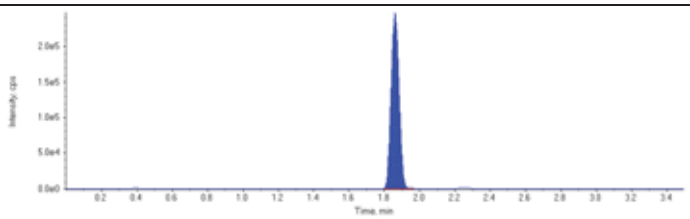
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 34.8 µg/L Area Ratio: 13.3 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 44.9 µg/L Area Ratio: 5.81 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 61.4 µg/L Area Ratio: 15.0 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 34.7 µg/L Area Ratio: 3.01 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 39.7 µg/L Area Ratio: 3.22 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 79.8 µg/L Area Ratio: 11.8 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 30.0 µg/L Area Ratio: 2.48 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 34.1 µg/L Area Ratio: 4.03 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 31.3 µg/L Area Ratio: 4.16 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 33.4 µg/L Area Ratio: 4.32 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 47.2 µg/L Area Ratio: 6.37 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 31.1 µg/L Area Ratio: 3.93 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 82.2 µg/L Area Ratio: 5.47 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 39.5 µg/L Area Ratio: 5.68 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 95.7 µg/L Area Ratio: 1.16 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 103. µg/L Area Ratio: 0.348 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 96.2 µg/L Area Ratio: 1.11 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.90 (1.88) min Calculated Conc: 99.6 µg/L Area Ratio: 1.10 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 97.5 µg/L Area Ratio: 0.440 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 103. µg/L Area Ratio: 1.19 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 99.3 µg/L Area Ratio: 0.460 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 91.9 µg/L Area Ratio: 0.335 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 87.6 µg/L Area Ratio: 0.289 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 49.9 µg/L Area Ratio: 0.129 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 107. µg/L Area Ratio: 0.360 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 94.4 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 94.9 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 111. µg/L Area Ratio: 0.397 Sample Type: (Quality Control)	

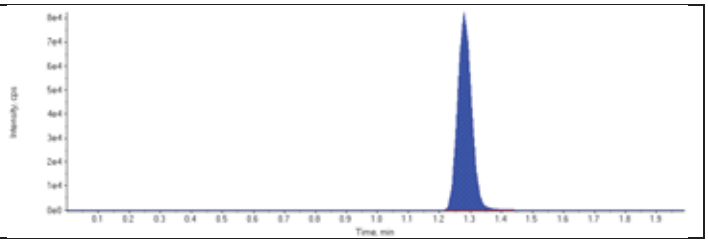
Sample ID	4871838~MTRX SPK:D1 (DXR292)	**Injection Volume (µL)**	2
Sample Type	Quality Control	**Injection Vial**	11
Acquisition Date	2017/02/27 9:27:49 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	252000.	1.28	1.00	-
D5-EtFOSAA IS	233000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1300000	1.29	28.0	32.9	118.0
EtFOSAA 1	1090000	1.32	28.0	33.1	118.0
13C9-PFDA	2510000	0.934	100.	96.0	96.0

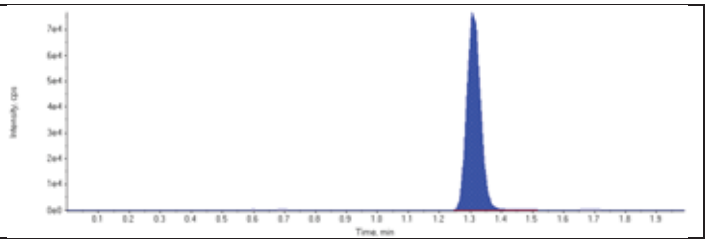
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



D5-EtFOSAA IS (Internal Standard)

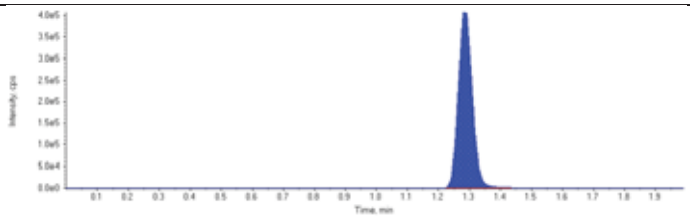
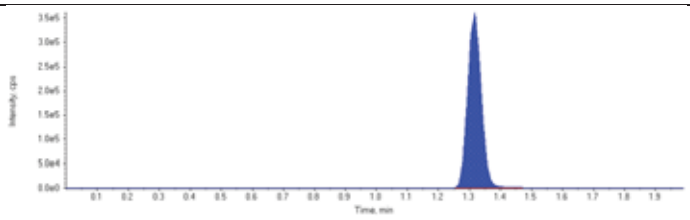
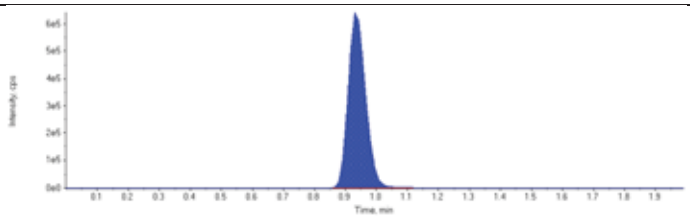
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Quality Control)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 32.9 µg/L Area Ratio: 5.16 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.32 (1.31) min Calculated Conc: 33.1 µg/L Area Ratio: 4.69 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.934 (0.855) min Calculated Conc: 96.0 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

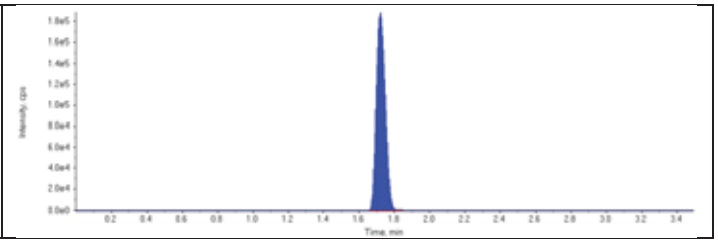
Sample ID	4871838~MTRX SPK:D1 (DXR292)	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	11
Acquisition Date	2017/02/28 8:40:36 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Re-injection, reported		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	671000.	1.72	1.00	-
MPFHxA	2250000.	1.46	1.00	-
MPFHpA	2190000.	1.71	1.00	-
MPFOA	2150000.	1.89	1.00	-
MPFOS	864000.	2.01	1.00	-
MPFNA	2250000.	2.03	1.00	-
MPFDA	2150000.	2.14	1.00	-
MPFUnA	1540000.	2.24	1.00	-
MPFDoA	1450000.	2.32	1.00	-
MPFTeDA	678000.	2.46	1.00	-
M2 6:2 FTS	727000.	1.85	1.00	-
M2 8:2 FTS	628000.	2.12	1.00	-
13C6-PFHxA IS	2020000.	1.45	1.00	-
13C9-PFDA IS	4990000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	8580000	1.18	28.0	33.4	119.0
PFHxA 1	13600000	1.46	28.0	46.5	166.0
PFHxS 1	9790000	1.72	28.0	59.6	213.0
PFHpA 1	6810000	1.71	28.0	35.9	128.0
PFOA 1	7110000	1.89	28.0	40.7	146.0
PFOS 1	10100000	2.00	28.0	79.2	283.0
PFNA 1	6690000	2.03	28.0	35.9	128.0
PFDA 1	8740000	2.14	28.0	34.4	123.0
PFUnA 1	6960000	2.24	28.0	34.1	122.0
PFDoA 1	6150000	2.32	28.0	32.6	117.0
PFTrDA 1	3830000	2.39	28.0	41.9	150.0
PFTeDA 1	2840000	2.46	28.0	33.1	118.0
6:2-FTS 1	3720000	1.86	28.0	76.9	275.0
8:2-FTS 1	3780000	2.12	28.0	41.9	149.0
13C2-PFHxA	2250000	1.46	100.	92.0	92.0
18O2-PFHxS	671000	1.72	100.	98.8	98.8
13C4-PFHpA	2190000	1.71	100.	94.1	94.1
13C4-PFOA	2150000	1.89	100.	96.4	96.4
13C4-PFOS	864000	2.01	100.	95.0	95.0
13C5-PFNA	2250000	2.03	100.	97.2	97.2
13C2-PFDA	2150000	2.14	100.	93.0	93.0
13C2-PFUnA	1540000	2.24	100.	84.8	84.8
13C2-PFDoA	1450000	2.32	100.	88.3	88.3
13C2-PFTeDA	678000	2.46	100.	52.5	52.5
13C2-8:2 FTS	628000	2.12	100.	92.4	92.4
13C6-PFHxA	2020000	1.45	100.	99.6	99.6
13C9-PFDA	4990000	2.14	100.	96.8	96.8
13C2-6:2-FTS	727000	1.85	100.	101.	101.0

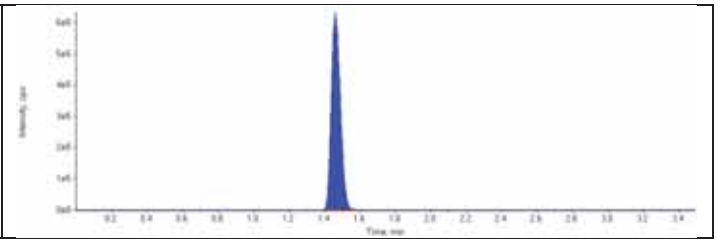
MPFHxS (Internal Standard)

RT (Exp. RT): 1.72(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



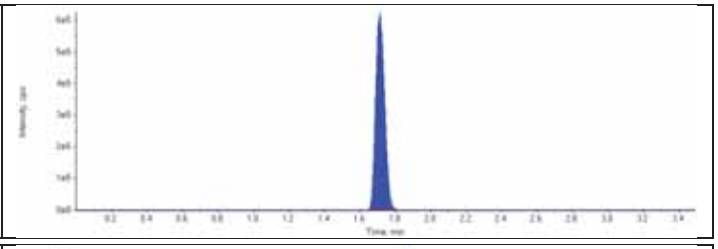
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



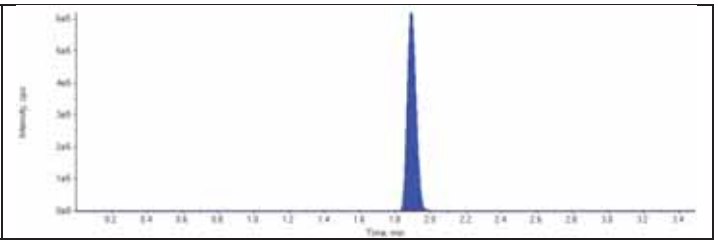
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



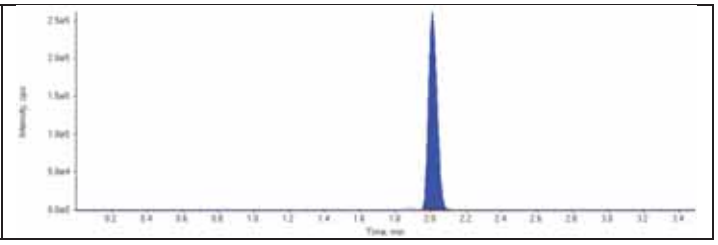
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



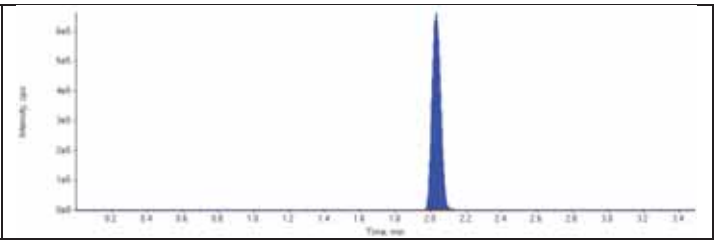
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



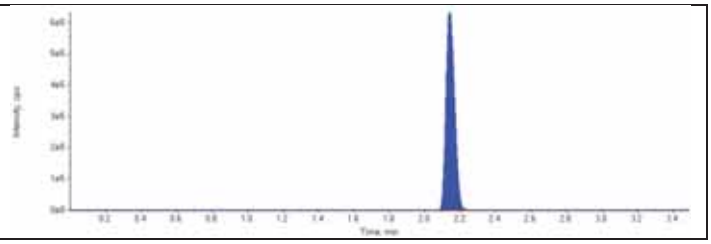
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



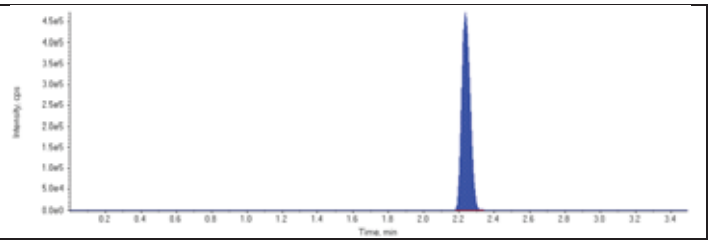
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



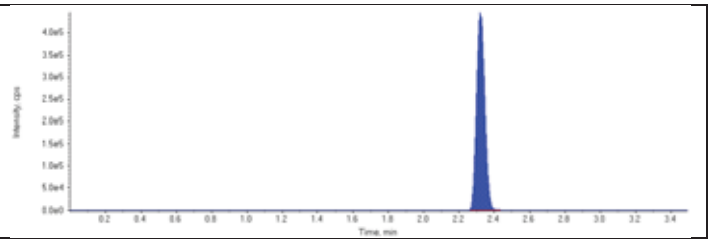
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



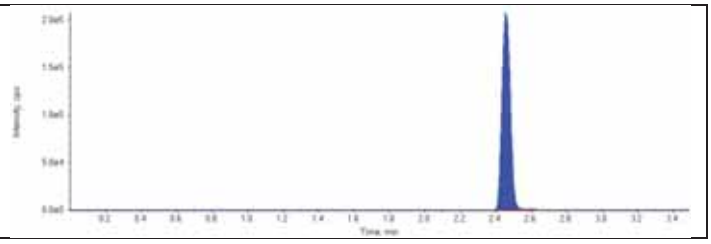
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



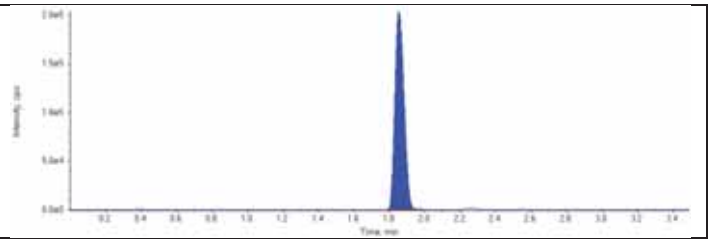
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



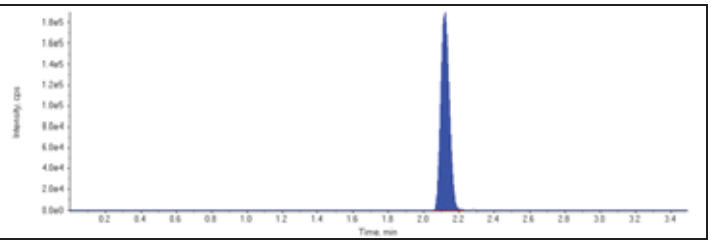
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.85(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



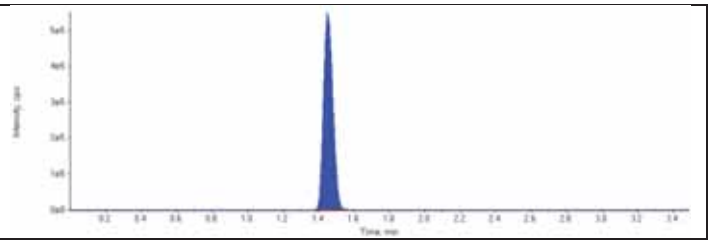
M2 8:2 FTS (Internal Standard)

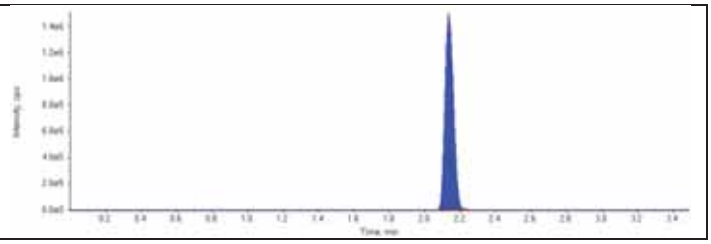
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

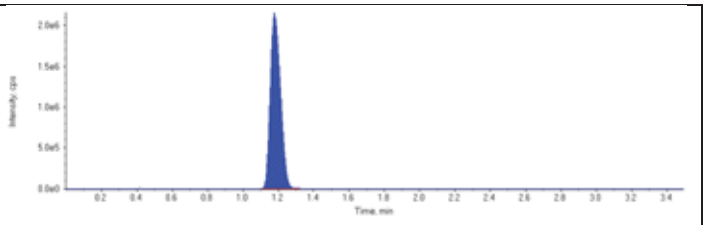
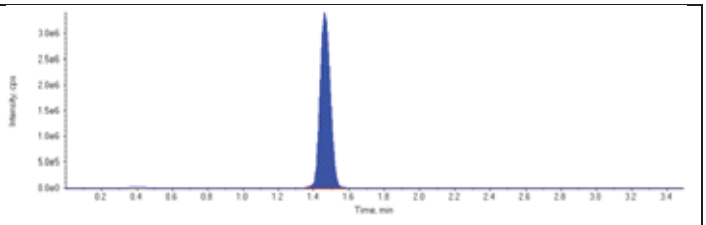
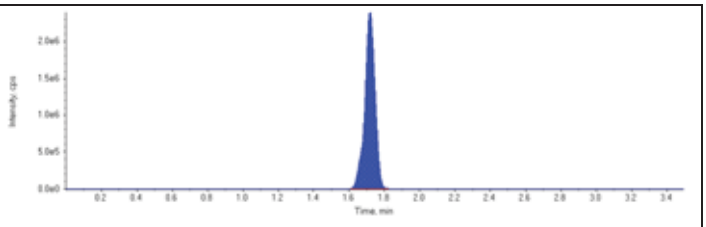
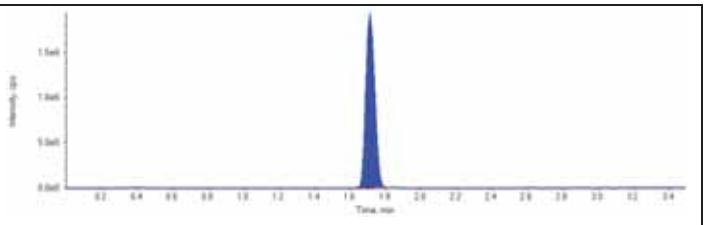
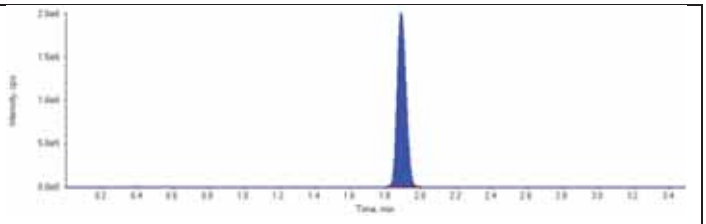
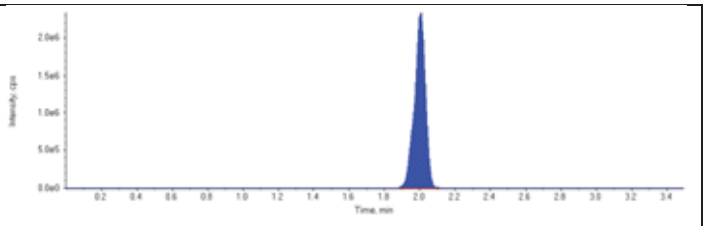


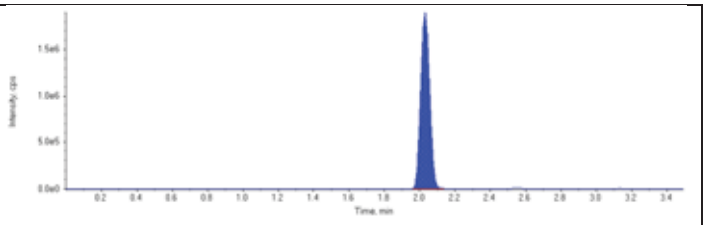
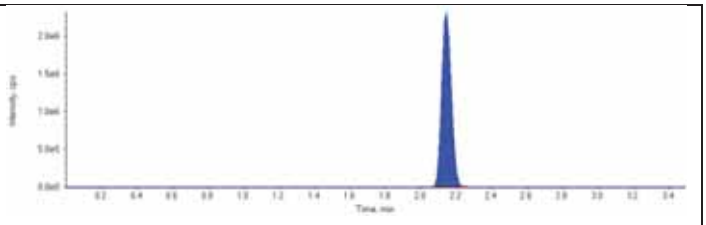
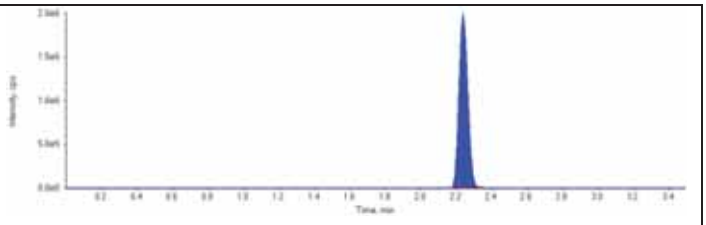
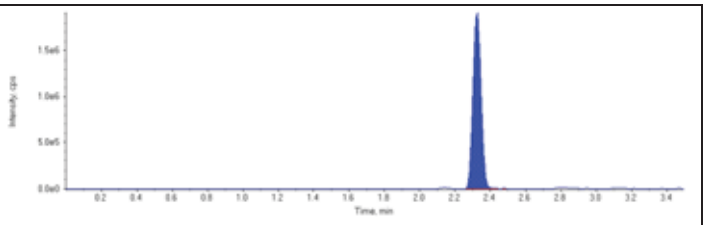
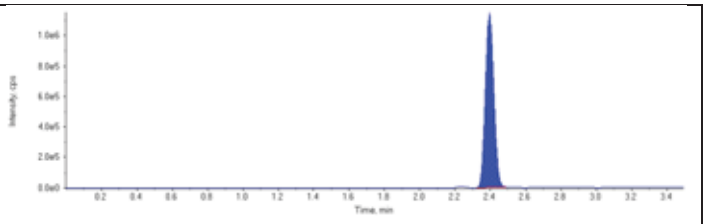
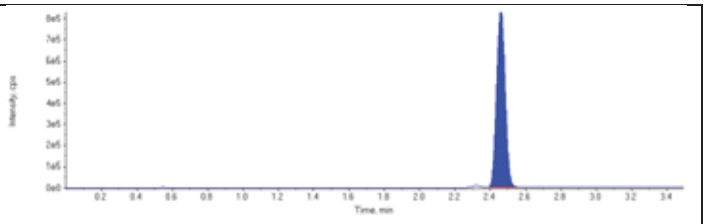
13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.45(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.18 (1.19) min Calculated Conc: 33.4 µg/L Area Ratio: 12.8 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 46.5 µg/L Area Ratio: 6.02 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 59.6 µg/L Area Ratio: 14.6 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.70) min Calculated Conc: 35.9 µg/L Area Ratio: 3.12 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 40.7 µg/L Area Ratio: 3.31 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.00 (1.97) min Calculated Conc: 79.2 µg/L Area Ratio: 11.7 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 35.9 µg/L Area Ratio: 2.97 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 34.4 µg/L Area Ratio: 4.07 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 34.1 µg/L Area Ratio: 4.51 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 32.6 µg/L Area Ratio: 4.23 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 41.9 µg/L Area Ratio: 5.66 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 33.1 µg/L Area Ratio: 4.18 Sample Type: (Quality Control)	

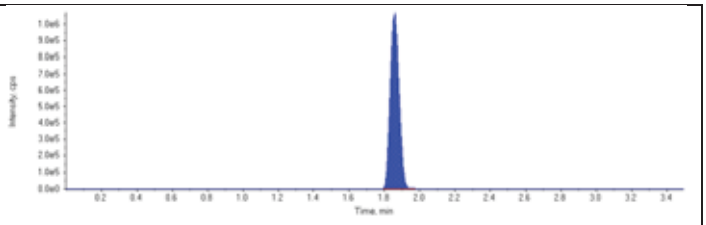
6:2-FTS 1 (427.000/407.000 Da)

RT (Exp. RT): 1.86 (1.83) min

Calculated Conc: 76.9 µg/L

Area Ratio: 5.11

Sample Type: (Quality Control)



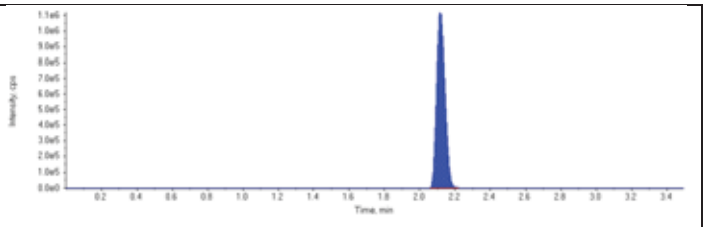
8:2-FTS 1 (526.900/507.000 Da)

RT (Exp. RT): 2.12 (2.10) min

Calculated Conc: 41.9 µg/L

Area Ratio: 6.02

Sample Type: (Quality Control)



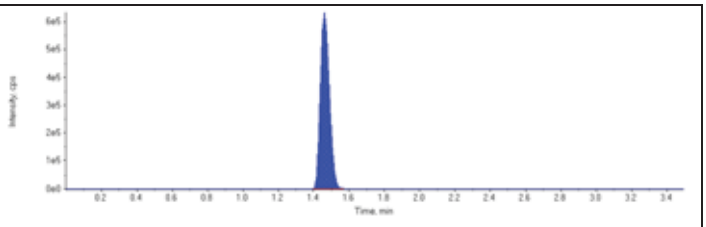
13C2-PFHxA (314.900/270.000 Da)

RT (Exp. RT): 1.46 (1.43) min

Calculated Conc: 92.0 µg/L

Area Ratio: 1.12

Sample Type: (Quality Control)



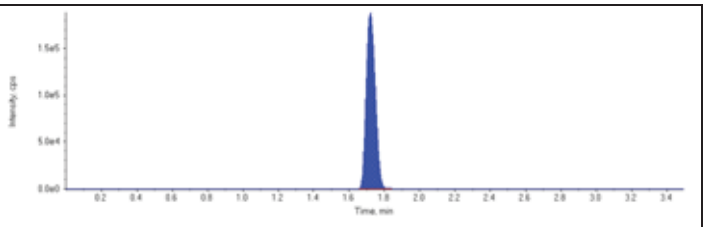
18O2-PFHxS (402.900/84.000 Da)

RT (Exp. RT): 1.72 (1.68) min

Calculated Conc: 98.8 µg/L

Area Ratio: 0.333

Sample Type: (Quality Control)



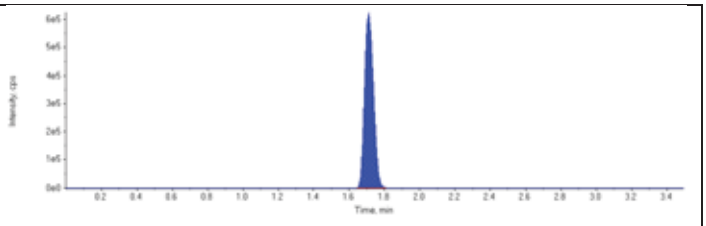
13C4-PFHpA (366.900/322.000 Da)

RT (Exp. RT): 1.71 (1.69) min

Calculated Conc: 94.1 µg/L

Area Ratio: 1.08

Sample Type: (Quality Control)



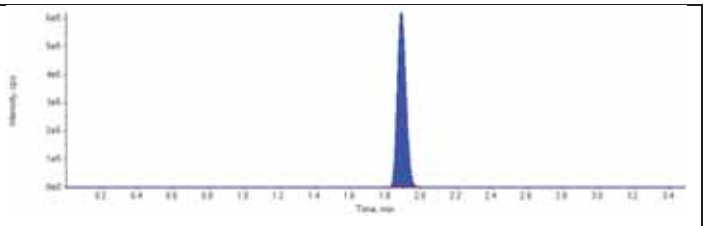
13C4-PFOA (416.900/372.000 Da)

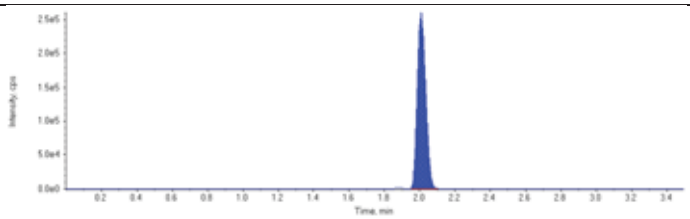
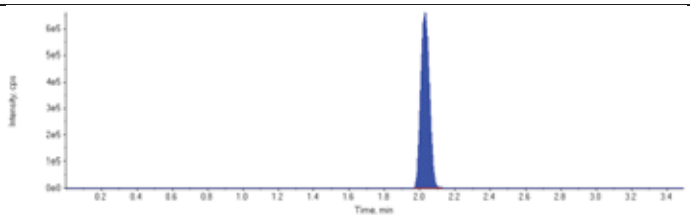
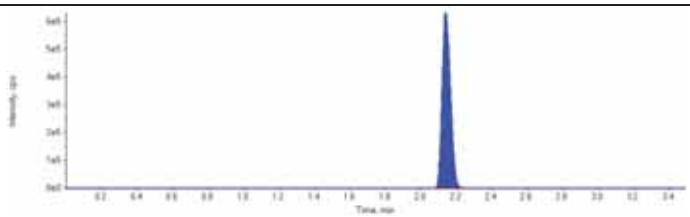
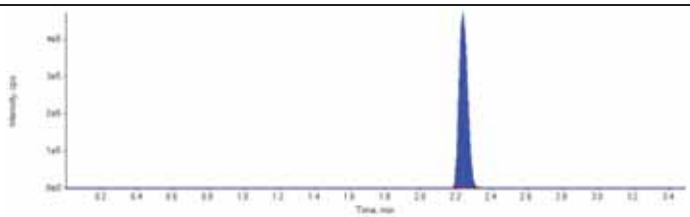
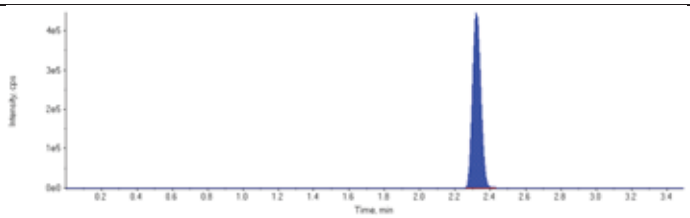
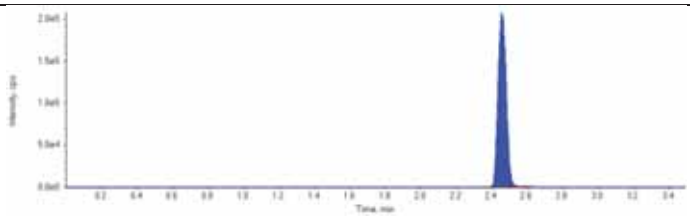
RT (Exp. RT): 1.89 (1.88) min

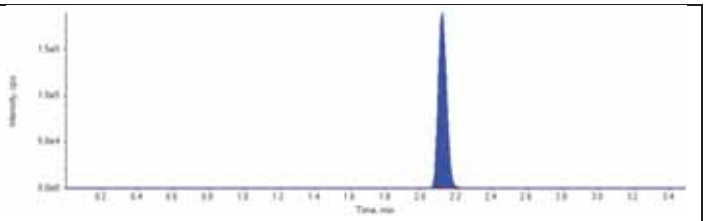
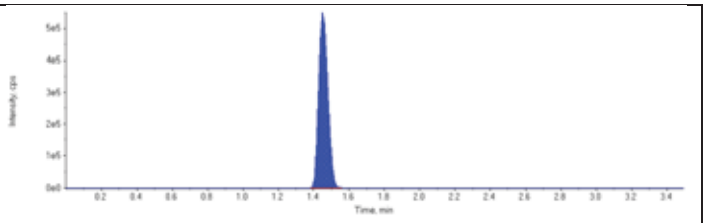
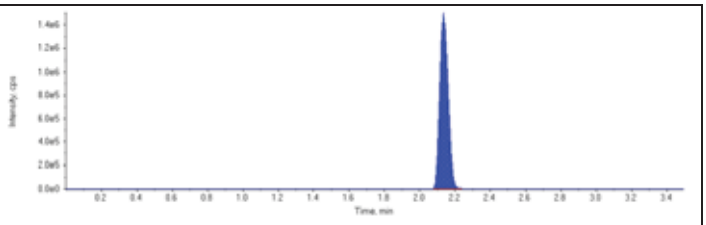
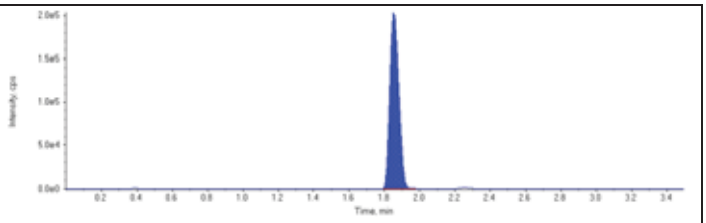
Calculated Conc: 96.4 µg/L

Area Ratio: 1.06

Sample Type: (Quality Control)



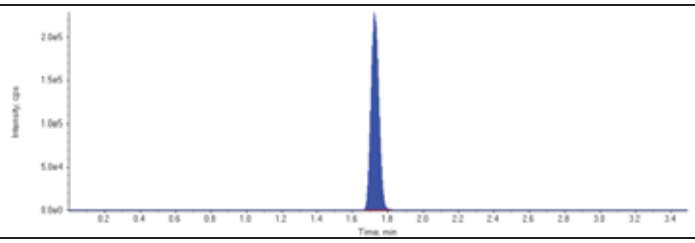
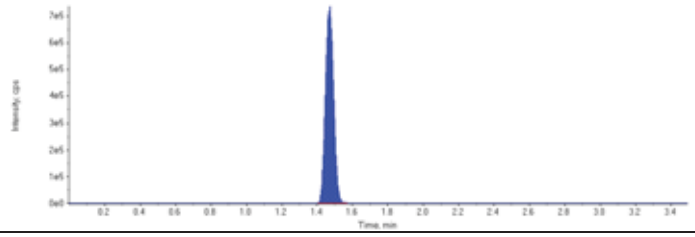
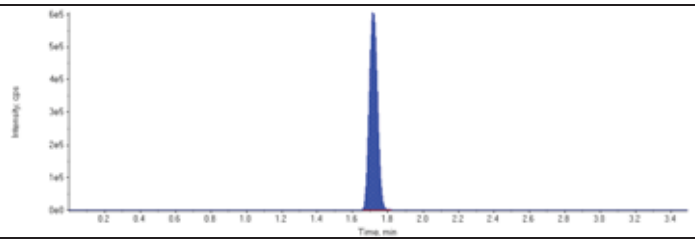
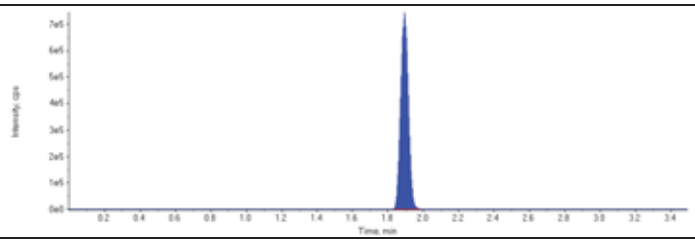
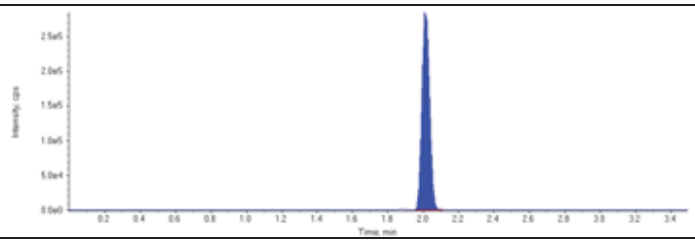
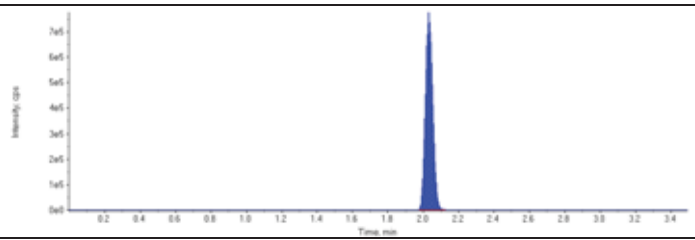
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 95.0 µg/L Area Ratio: 0.429 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 97.2 µg/L Area Ratio: 1.12 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 93.0 µg/L Area Ratio: 0.431 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 84.8 µg/L Area Ratio: 0.309 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 88.3 µg/L Area Ratio: 0.291 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 52.5 µg/L Area Ratio: 0.136 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 92.4 µg/L Area Ratio: 0.311 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.42) min Calculated Conc: 99.6 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 96.8 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.85 (1.83) min Calculated Conc: 101. µg/L Area Ratio: 0.361 Sample Type: (Quality Control)	

Sample ID	4871838~SPIKE	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	12
Acquisition Date	2017/02/27 5:14:34 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Re-injected to confirm analyte recovery		

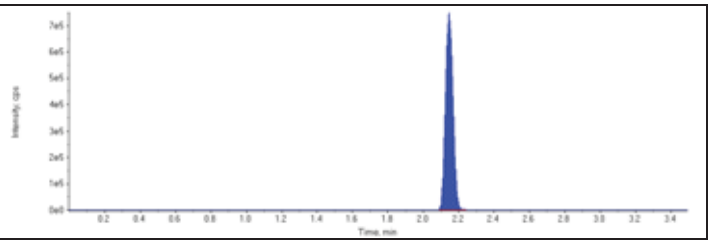
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	692000.	1.73	1.00	-
MPFHxA	2380000.	1.47	1.00	-
MPFHpA	1990000.	1.72	1.00	-
MPFOA	2190000.	1.89	1.00	-
MPFOS	852000.	2.01	1.00	-
MPFNA	2240000.	2.03	1.00	-
MPFDA	2230000.	2.15	1.00	-
MPFUnA	1850000.	2.24	1.00	-
MPFDoA	1640000.	2.33	1.00	-
MPFTeDA	1240000.	2.46	1.00	-
M2 6:2 FTS	755000.	1.86	1.00	-
M2 8:2 FTS	630000.	2.12	1.00	-
13C6-PFHxA IS	1910000.	1.46	1.00	-
13C9-PFDA IS	5460000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	8630000	1.19	28.0	32.6	116.0
PFHxA 1	10500000	1.47	28.0	33.9	121.0
PFHxS 1	5570000	1.72	28.0	32.8	117.0
PFHpA 1	5940000	1.72	28.0	34.4	123.0
PFOA 1	5890000	1.89	28.0	33.1	118.0
PFOS 1	4240000	2.01	28.0	33.8	121.0
PFNA 1	6110000	2.03	28.0	33.0	118.0
PFDA 1	9100000	2.15	28.0	34.6	123.0
PFUnA 1	7490000	2.24	28.0	30.5	109.0
PFDoA 1	7480000	2.33	28.0	35.2	126.0
PFTrDA 1	5620000	2.40	28.0	33.6	120.0
PFTeDA 1	4920000	2.46	28.0	31.4	112.0
6:2-FTS 1	1530000	1.86	28.0	30.5	109.0
8:2-FTS 1	2840000	2.12	28.0	31.4	112.0
13C2-PFHxA	2380000	1.47	100.	103.	103.0
18O2-PFHxS	692000	1.73	100.	108.	108.0
13C4-PFHpA	1990000	1.72	100.	90.4	90.4
13C4-PFOA	2190000	1.89	100.	104.	104.0
13C4-PFOS	852000	2.01	100.	99.0	99.0
13C5-PFNA	2240000	2.03	100.	102.	102.0
13C2-PFDA	2230000	2.15	100.	88.1	88.1
13C2-PFUnA	1850000	2.24	100.	93.1	93.1
13C2-PFDoA	1640000	2.33	100.	90.9	90.9
13C2-PFTeDA	1240000	2.46	100.	87.8	87.8
13C2-8:2 FTS	630000	2.12	100.	97.9	97.9
13C6-PFHxA	1910000	1.46	100.	94.3	94.3
13C9-PFDA	5460000	2.14	100.	106.	106.0
13C2-6:2-FTS	755000	1.86	100.	111.	111.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.73(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.43) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.72(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

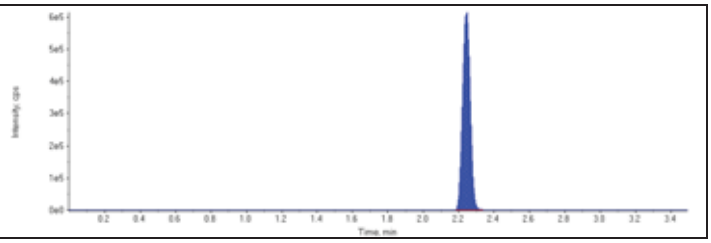
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



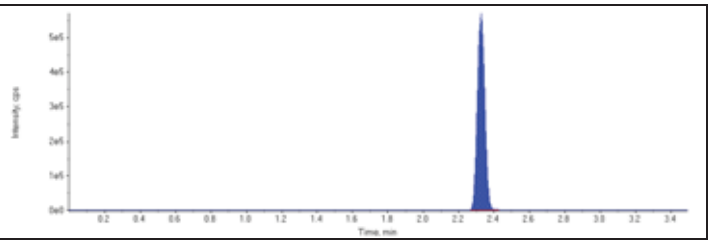
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



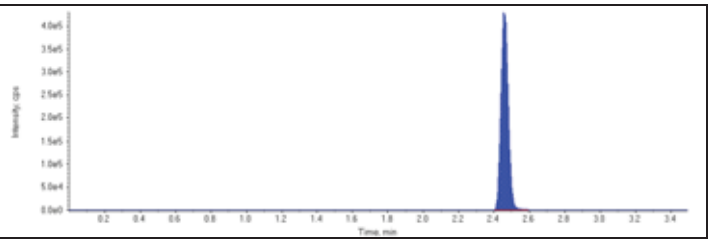
MPFDoA (Internal Standard)

RT (Exp. RT): 2.33(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



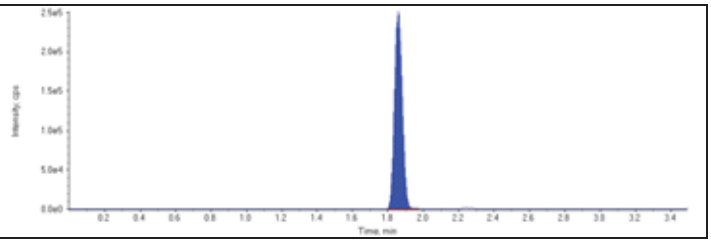
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



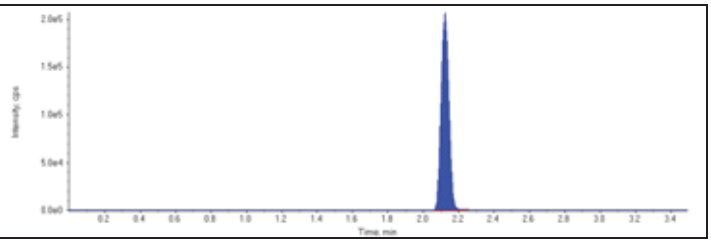
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



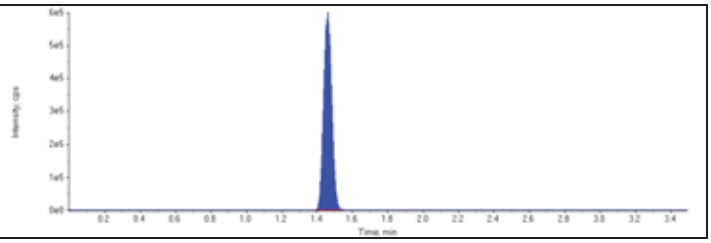
M2 8:2 FTS (Internal Standard)

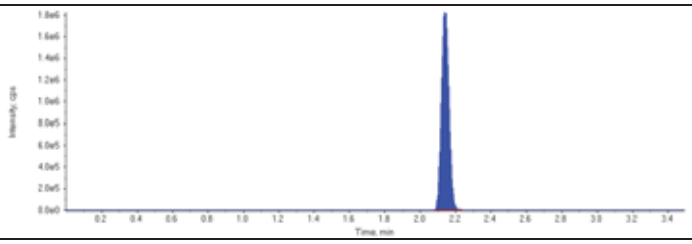
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

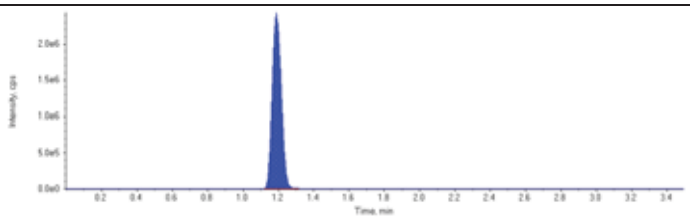
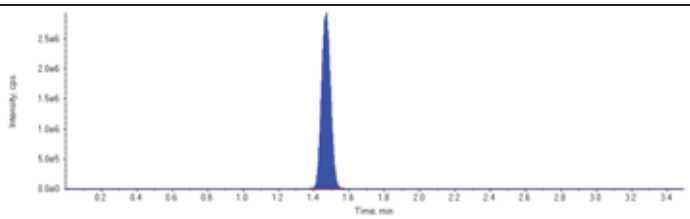
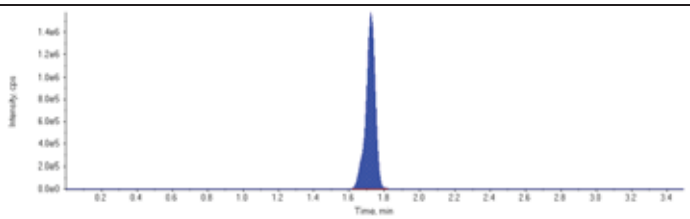
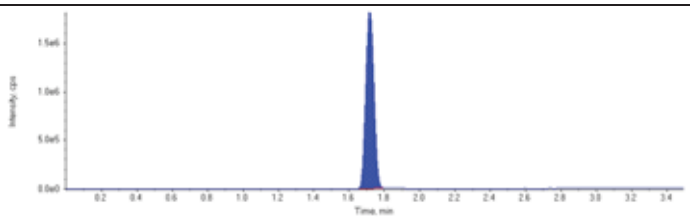
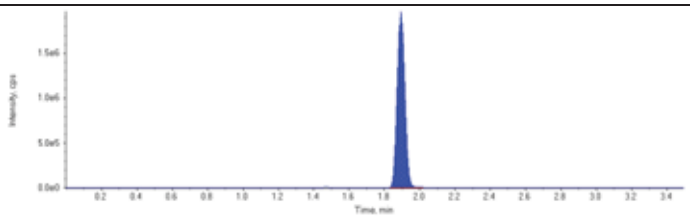
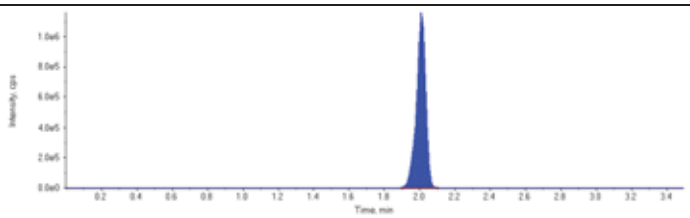


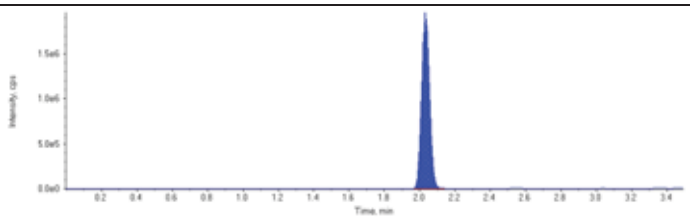
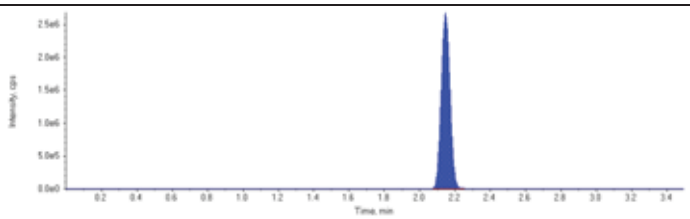
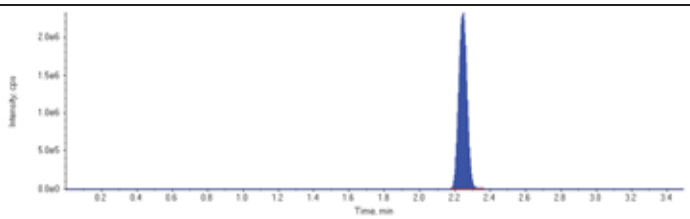
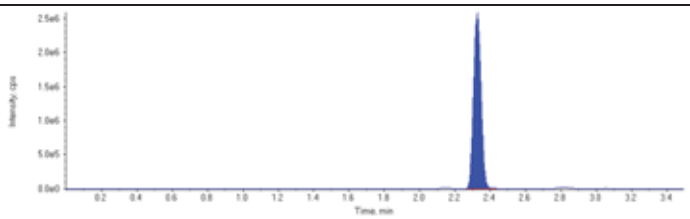
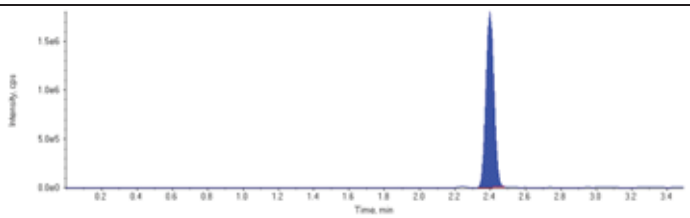
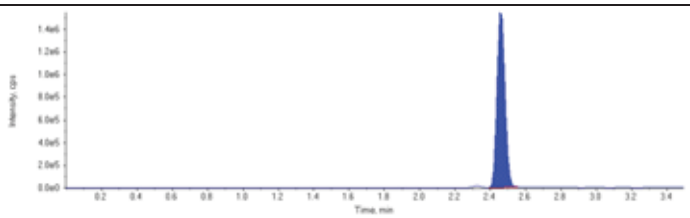
13C6-PFHxA IS (Internal Standard)

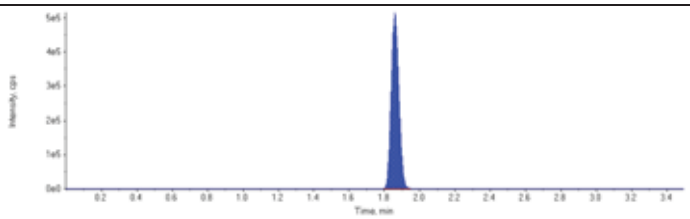
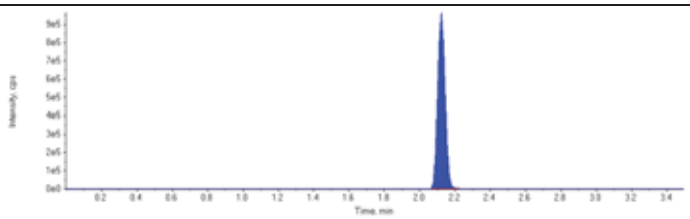
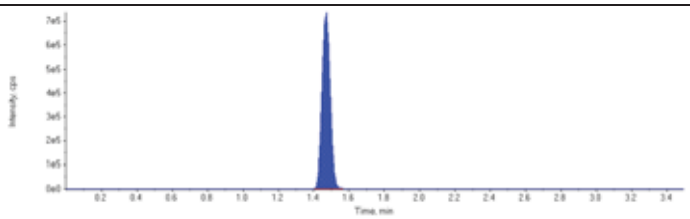
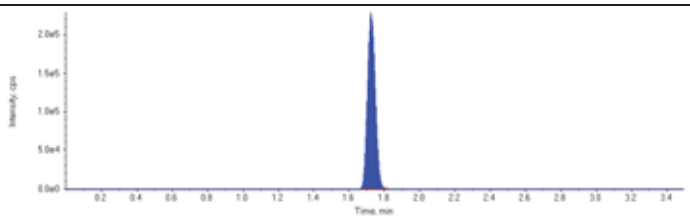
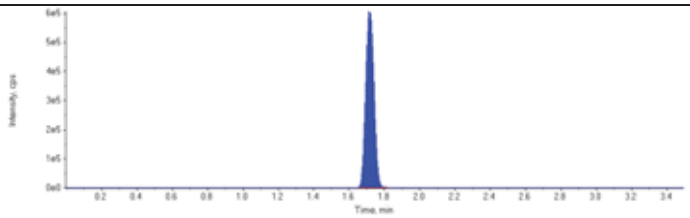
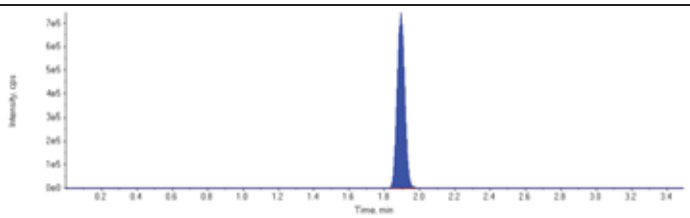
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

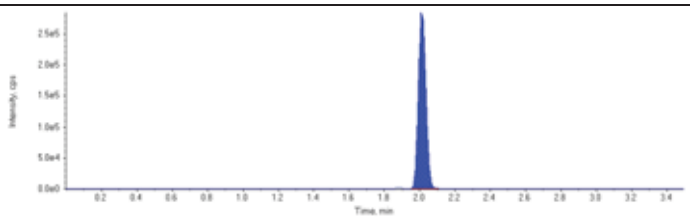
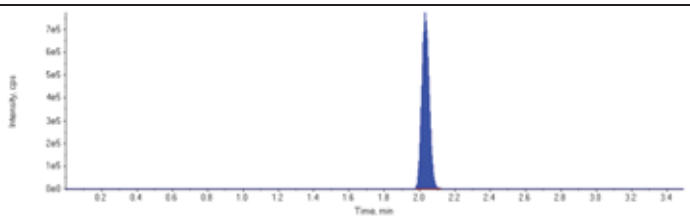
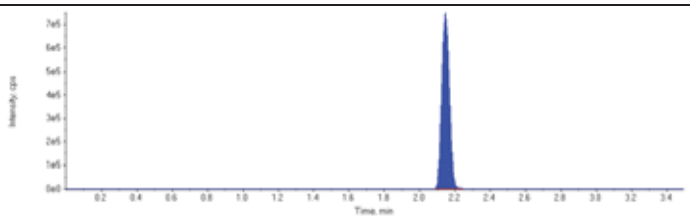
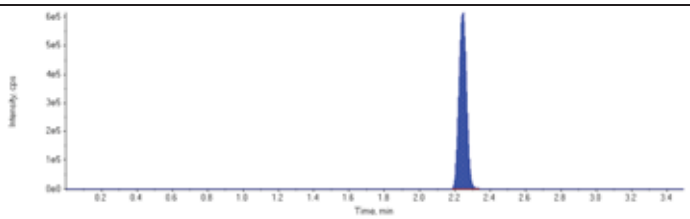
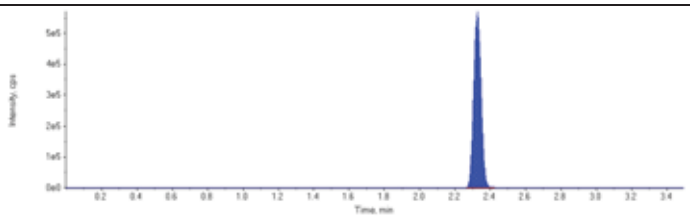
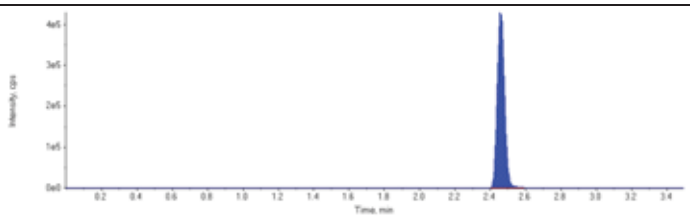


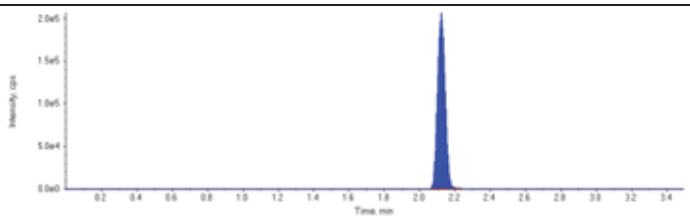
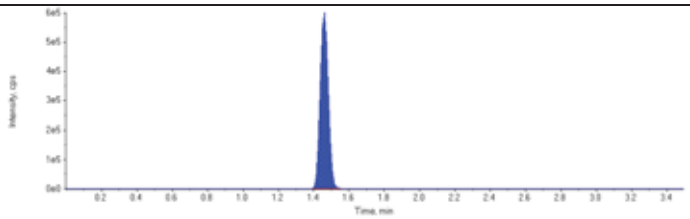
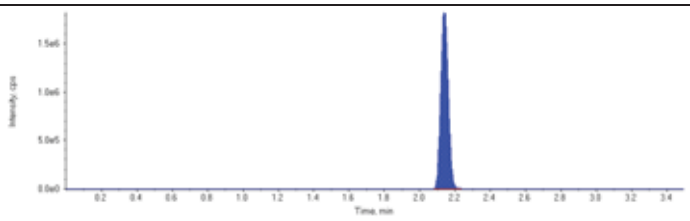
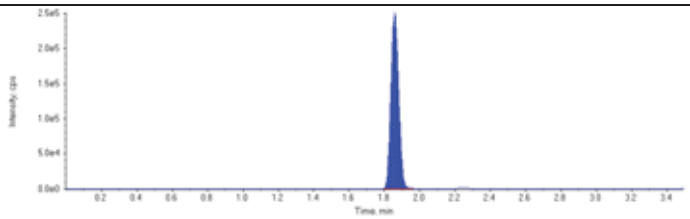
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 32.6 µg/L Area Ratio: 12.5 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 33.9 µg/L Area Ratio: 4.40 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 32.8 µg/L Area Ratio: 8.04 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 34.4 µg/L Area Ratio: 2.99 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 33.1 µg/L Area Ratio: 2.69 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 33.8 µg/L Area Ratio: 4.98 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 33.0 µg/L Area Ratio: 2.73 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 34.6 µg/L Area Ratio: 4.09 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 30.5 µg/L Area Ratio: 4.05 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 35.2 µg/L Area Ratio: 4.56 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 33.6 µg/L Area Ratio: 4.53 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 31.4 µg/L Area Ratio: 3.96 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 30.5 µg/L Area Ratio: 2.02 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 31.4 µg/L Area Ratio: 4.51 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 103. µg/L Area Ratio: 1.25 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 108. µg/L Area Ratio: 0.363 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 90.4 µg/L Area Ratio: 1.04 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 104. µg/L Area Ratio: 1.15 Sample Type: (Quality Control)	

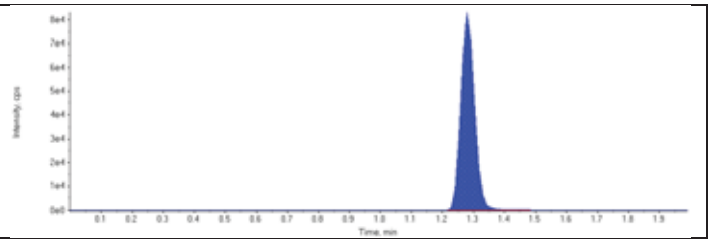
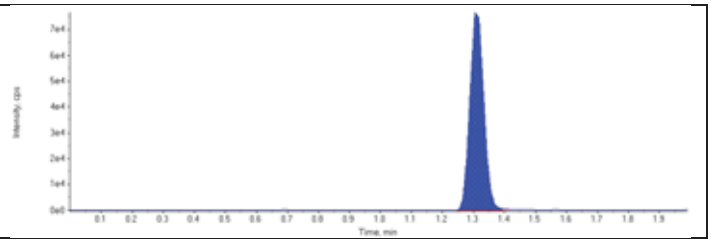
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 99.0 µg/L Area Ratio: 0.446 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 102. µg/L Area Ratio: 1.17 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 88.1 µg/L Area Ratio: 0.408 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 93.1 µg/L Area Ratio: 0.339 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 90.9 µg/L Area Ratio: 0.300 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 87.8 µg/L Area Ratio: 0.227 Sample Type: (Quality Control)	

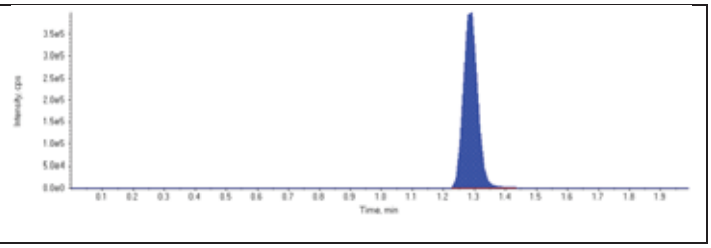
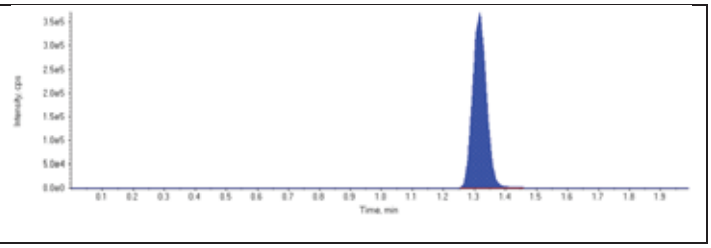
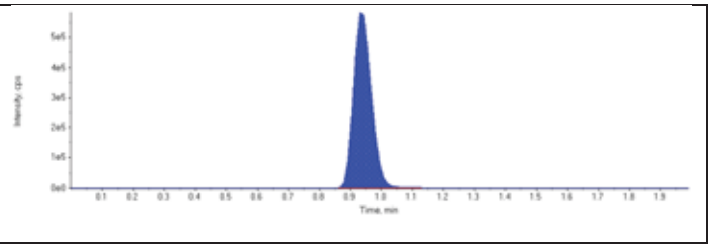
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 97.9 µg/L Area Ratio: 0.330 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 94.3 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 106. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 111. µg/L Area Ratio: 0.395 Sample Type: (Quality Control)	

Sample ID	4871838~SPIKE	**Injection Volume (µL)**	2
Sample Type	Quality Control	**Injection Vial**	12
Acquisition Date	2017/02/27 9:30:24 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	255000.	1.28	1.00	-
D5-EtFOSAA IS	240000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1280000	1.29	28.0	32.0	114.0
EtFOSAA 1	1130000	1.32	28.0	33.3	119.0
13C9-PFDA	2380000	0.936	100.	91.2	91.2

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.28(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.31(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 32.0 µg/L Area Ratio: 5.02 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.32 (1.31) min Calculated Conc: 33.3 µg/L Area Ratio: 4.71 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.936 (0.855) min Calculated Conc: 91.2 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

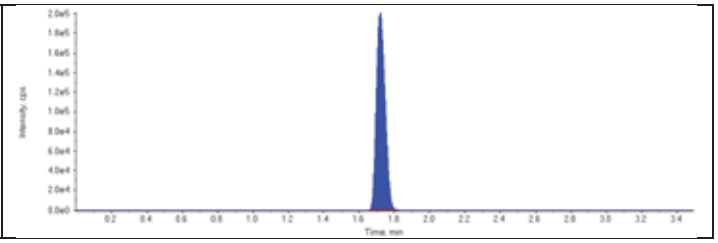
Sample ID	4871838~SPIKE	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	12
Acquisition Date	2017/02/28 8:45:42 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	Re-injection, not reported		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	695000.	1.72	1.00	-
MPFHxA	2360000.	1.46	1.00	-
MPFHpA	2110000.	1.71	1.00	-
MPFOA	2170000.	1.89	1.00	-
MPFOS	879000.	2.01	1.00	-
MPFNA	2360000.	2.03	1.00	-
MPFDA	2270000.	2.14	1.00	-
MPFUnA	1970000.	2.24	1.00	-
MPFDoA	1810000.	2.32	1.00	-
MPFTeDA	1210000.	2.46	1.00	-
M2 6:2 FTS	692000.	1.85	1.00	-
M2 8:2 FTS	636000.	2.12	1.00	-
13C6-PFHxA IS	1840000.	1.45	1.00	-
13C9-PFDA IS	5270000.	2.13	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	8440000	1.18	28.0	31.8	113.0
PFHxA 1	10500000	1.46	28.0	34.3	123.0
PFHxS 1	5690000	1.72	28.0	33.4	119.0
PFHpA 1	6230000	1.71	28.0	34.1	122.0
PFOA 1	5790000	1.89	28.0	32.9	118.0
PFOS 1	4300000	2.00	28.0	33.2	119.0
PFNA 1	6280000	2.03	28.0	32.2	115.0
PFDA 1	9570000	2.14	28.0	35.7	127.0
PFUnA 1	7770000	2.24	28.0	29.7	106.0
PFDoA 1	7030000	2.32	28.0	29.9	107.0
PFTrDA 1	6120000	2.40	28.0	37.6	134.0
PFTeDA 1	4620000	2.46	28.0	30.3	108.0
6:2-FTS 1	1510000	1.86	28.0	33.0	118.0
8:2-FTS 1	3160000	2.12	28.0	34.5	123.0
13C2-PFHxA	2360000	1.46	100.	105.	105.0
18O2-PFHxS	695000	1.72	100.	112.	112.0
13C4-PFHpA	2110000	1.71	100.	99.3	99.3
13C4-PFOA	2170000	1.89	100.	106.	106.0
13C4-PFOS	879000	2.01	100.	106.	106.0
13C5-PFNA	2360000	2.03	100.	111.	111.0
13C2-PFDA	2270000	2.14	100.	93.1	93.1
13C2-PFUnA	1970000	2.24	100.	103.	103.0
13C2-PFDoA	1810000	2.32	100.	104.	104.0
13C2-PFTeDA	1210000	2.46	100.	88.6	88.6
13C2-8:2 FTS	636000	2.12	100.	102.	102.0
13C6-PFHxA	1840000	1.45	100.	91.0	91.0
13C9-PFDA	5270000	2.13	100.	102.	102.0
13C2-6:2-FTS	692000	1.85	100.	105.	105.0

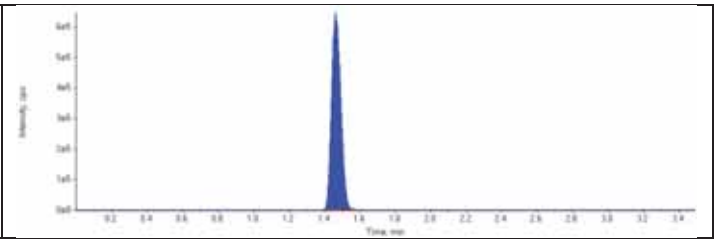
MPFHxS (Internal Standard)

RT (Exp. RT): 1.72(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



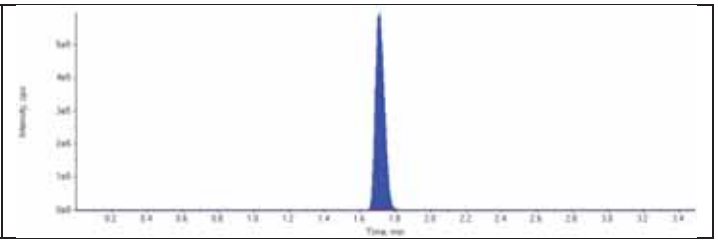
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



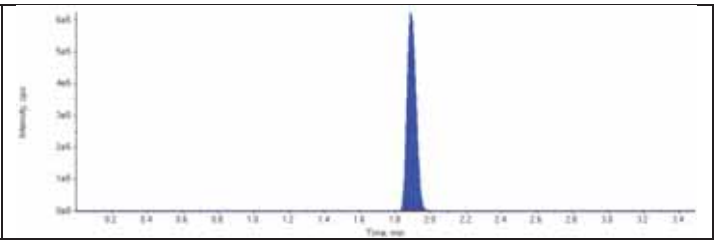
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



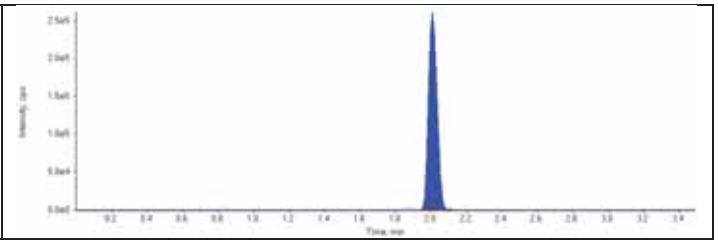
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



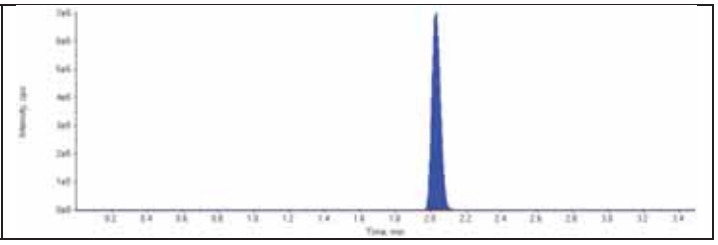
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



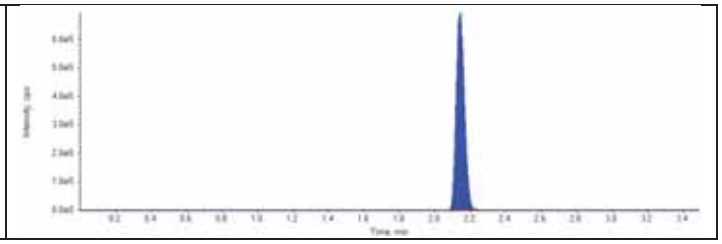
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



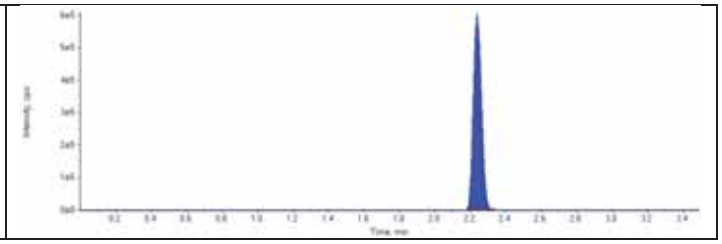
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



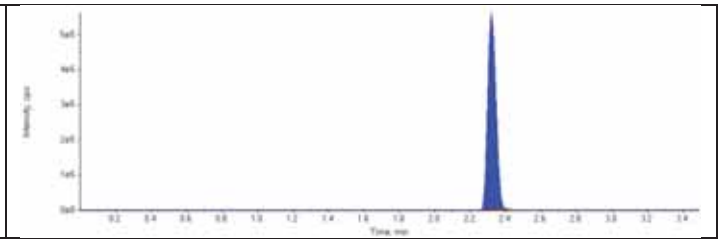
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



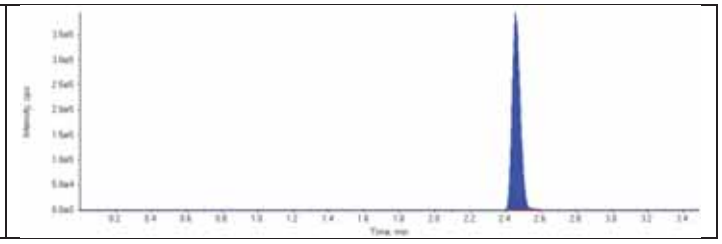
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



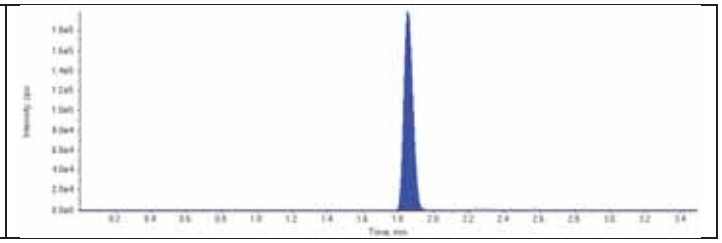
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



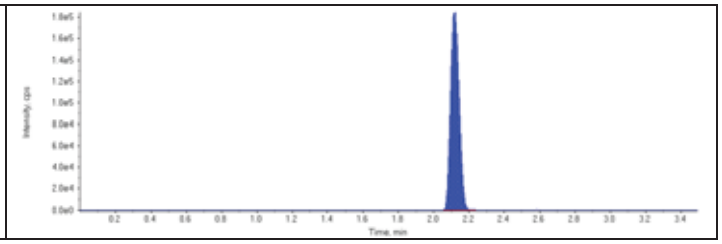
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.85(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



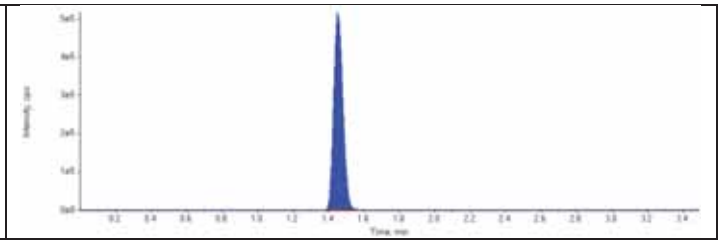
M2 8:2 FTS (Internal Standard)

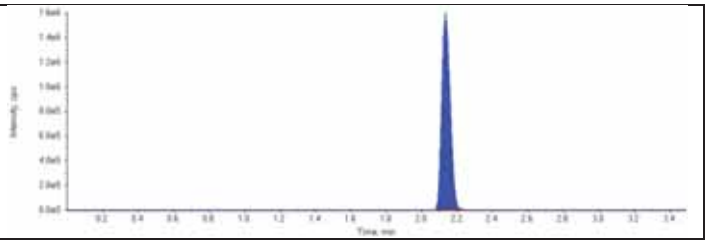
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

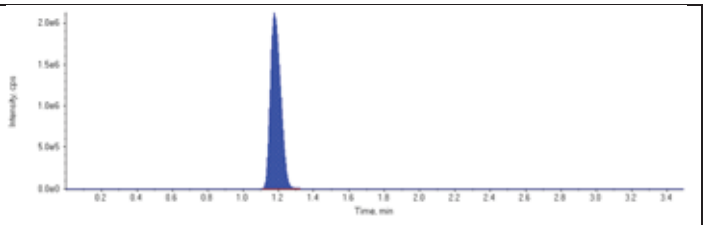
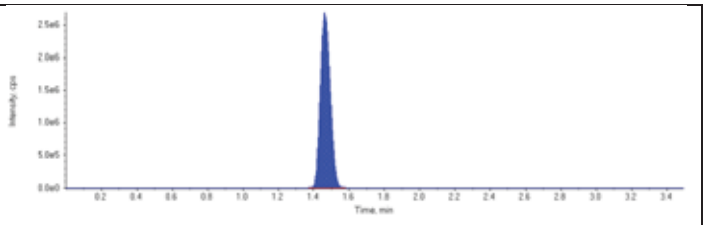
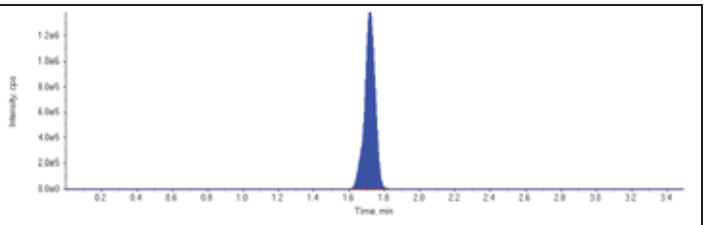
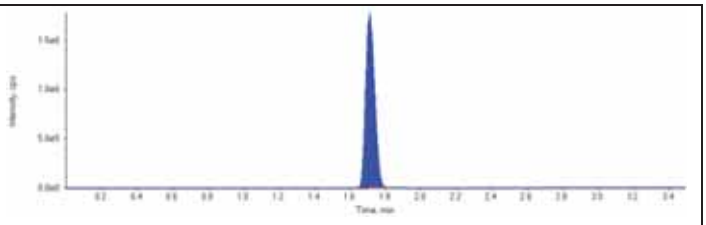
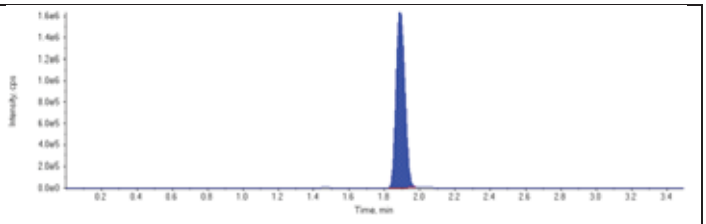
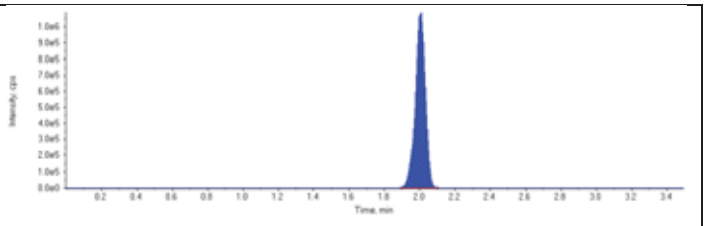


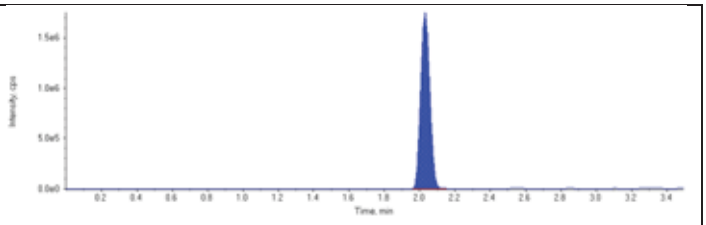
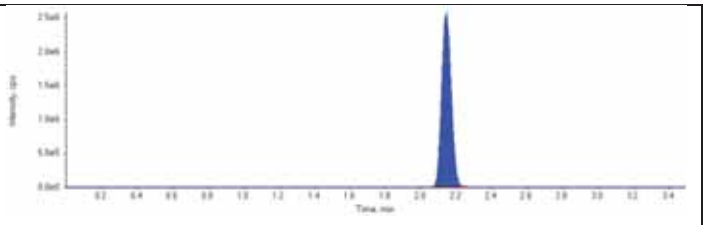
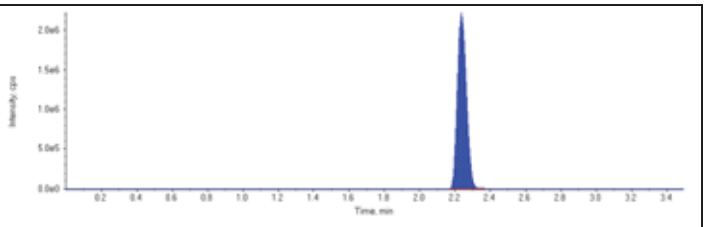
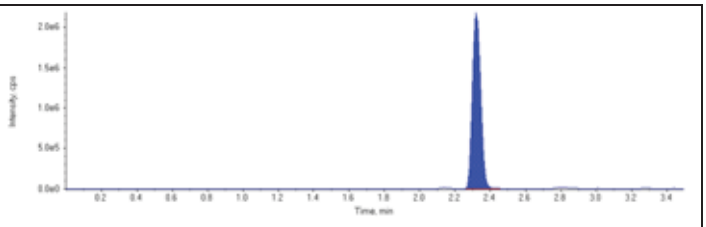
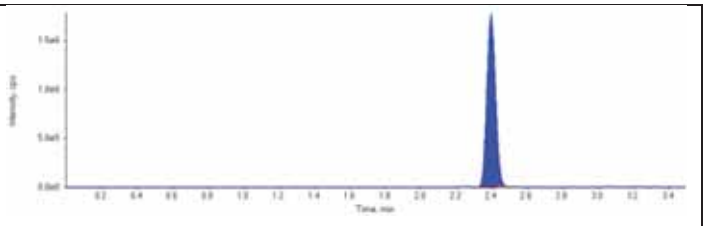
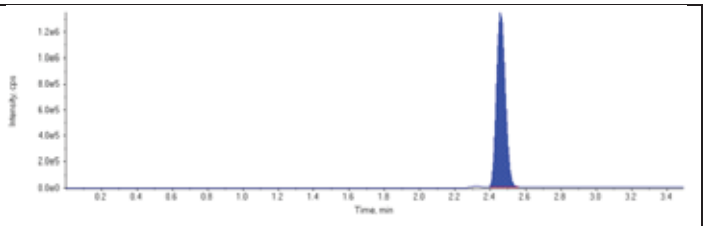
13C6-PFHxA IS (Internal Standard)

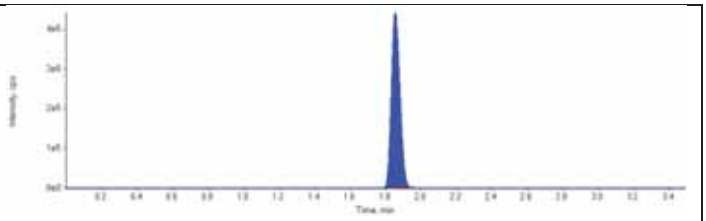
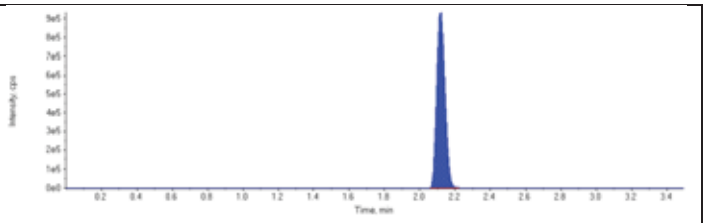
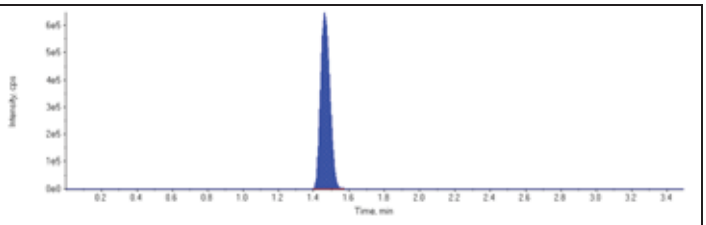
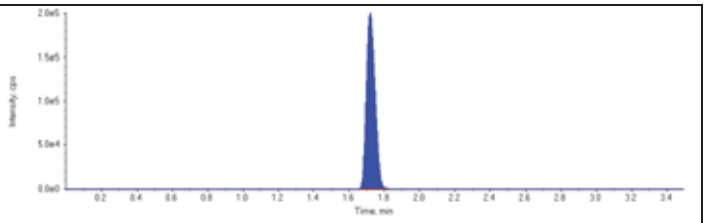
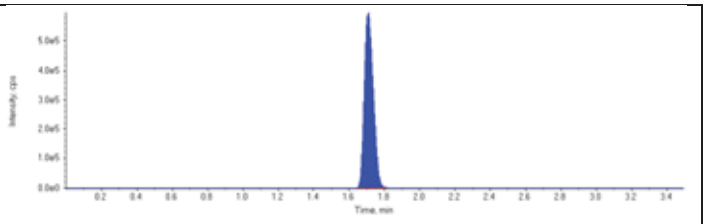
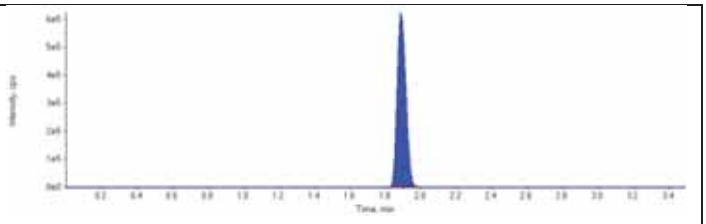
RT (Exp. RT): 1.45(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

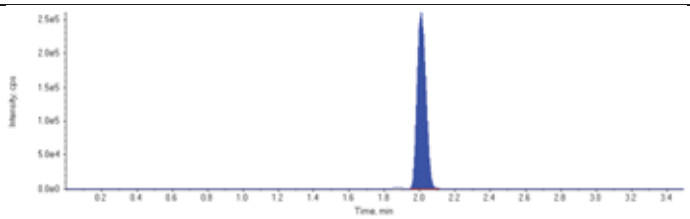
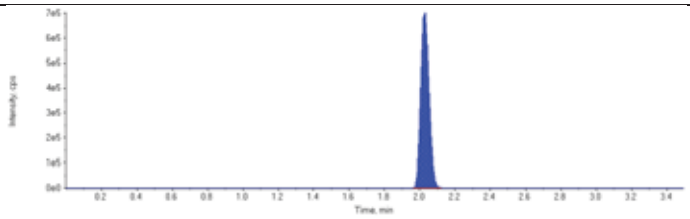
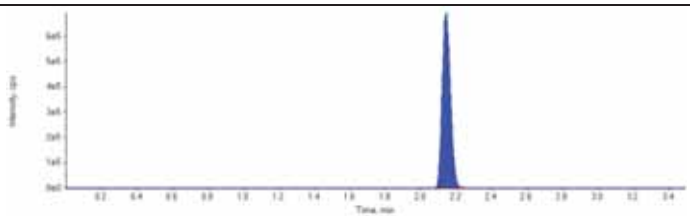
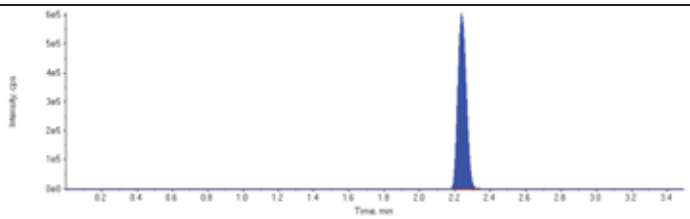
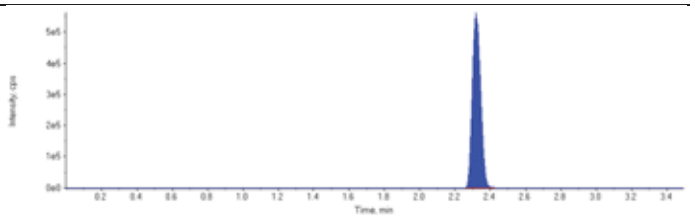
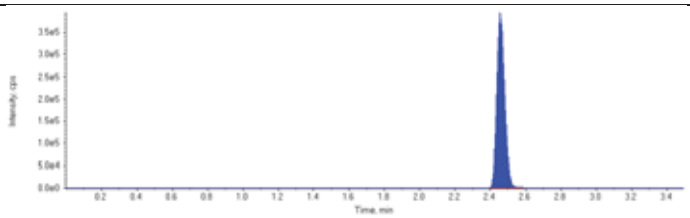


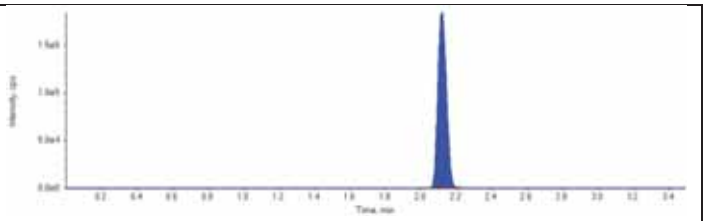
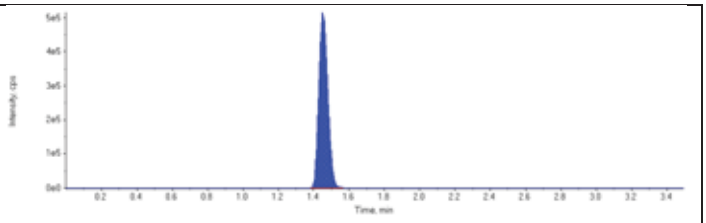
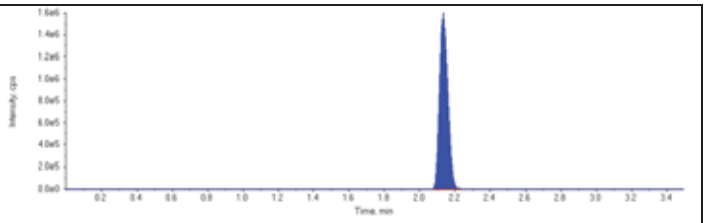
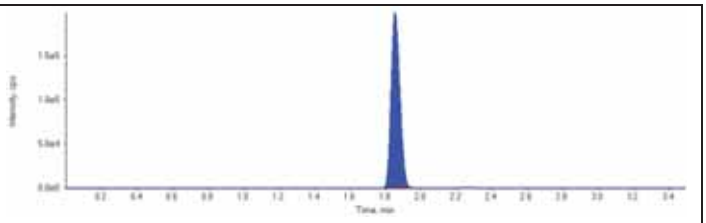
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.13(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.18 (1.19) min Calculated Conc: 31.8 µg/L Area Ratio: 12.1 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 34.3 µg/L Area Ratio: 4.44 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 33.4 µg/L Area Ratio: 8.19 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.70) min Calculated Conc: 34.1 µg/L Area Ratio: 2.96 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 32.9 µg/L Area Ratio: 2.68 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.00 (1.97) min Calculated Conc: 33.2 µg/L Area Ratio: 4.89 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 32.2 µg/L Area Ratio: 2.66 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 35.7 µg/L Area Ratio: 4.22 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 29.7 µg/L Area Ratio: 3.94 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 29.9 µg/L Area Ratio: 3.88 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 37.6 µg/L Area Ratio: 5.07 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 30.3 µg/L Area Ratio: 3.83 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 33.0 µg/L Area Ratio: 2.19 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 34.5 µg/L Area Ratio: 4.96 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 105. µg/L Area Ratio: 1.28 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 112. µg/L Area Ratio: 0.377 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 99.3 µg/L Area Ratio: 1.14 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 106. µg/L Area Ratio: 1.18 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 106. µg/L Area Ratio: 0.477 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 111. µg/L Area Ratio: 1.28 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 93.1 µg/L Area Ratio: 0.431 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 103. µg/L Area Ratio: 0.375 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 104. µg/L Area Ratio: 0.345 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 88.6 µg/L Area Ratio: 0.229 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 102. µg/L Area Ratio: 0.345 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.42) min Calculated Conc: 91.0 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.13 (2.13) min Calculated Conc: 102. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.85 (1.83) min Calculated Conc: 105. µg/L Area Ratio: 0.376 Sample Type: (Quality Control)	

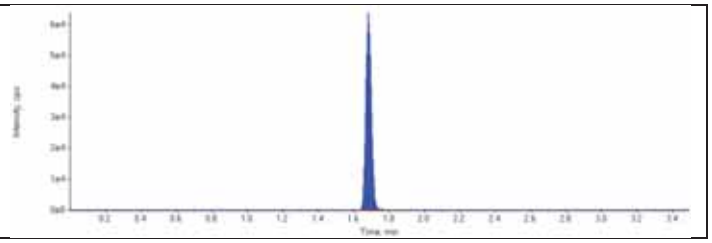
Sample ID	4872075~BLANK	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	2
Acquisition Date	2017/03/08 7:58:40 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	138000.	1.68	1.00	-
MPFHxA	469000.	1.47	1.00	-
MPFHpA	446000.	1.71	1.00	-
MPFOA	394000.	1.89	1.00	-
MPFOS	187000.	1.97	1.00	-
MPFNA	425000.	2.03	1.00	-
MPFDA	320000.	2.14	1.00	-
MPFUnA	231000.	2.24	1.00	-
MPFDoA	202000.	2.32	1.00	-
MPFTeDA	222000.	2.46	1.00	-
M2 6:2 FTS	422000.	1.83	1.00	-
M2 8:2 FTS	245000.	2.10	1.00	-
13C6-PFHxA IS	1370000.	1.46	41.7	-
13C9-PFDA IS	1260000.	2.14	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	0.00	N/A	0.0
PFHxA 1	0	0.00	0.00	N/A	0.0
PFHxS 1	0	0.00	0.00	N/A	0.0
PFHpA 1	0	0.00	0.00	N/A	0.0
PFOA 1	0	0.00	0.00	N/A	0.0
PFOS 1	0	0.00	0.00	N/A	0.0
PFNA 1	0	0.00	0.00	N/A	0.0
PFDA 1	0	0.00	0.00	N/A	0.0
PFUnA 1	0	0.00	0.00	N/A	0.0
PFDoA 1	0	0.00	0.00	N/A	0.0
PFTrDA 1	0	0.00	0.00	N/A	0.0
PFTeDA 1	0	0.00	0.00	N/A	0.0
6:2-FTS 1	0	0.00	0.00	N/A	0.0
8:2-FTS 1	0	0.00	0.00	N/A	0.0
13C2-PFHxA	469000	1.47	0.00	97.4	0.0
18O2-PFHxS	138000	1.68	0.00	89.9	0.0
13C4-PFHpA	446000	1.71	0.00	85.3	0.0
13C4-PFOA	394000	1.89	0.00	95.8	0.0
13C4-PFOS	187000	1.97	0.00	97.8	0.0
13C5-PFNA	425000	2.03	0.00	101.	0.0
13C2-PFDA	320000	2.14	0.00	78.9	0.0
13C2-PFUnA	231000	2.24	0.00	78.7	0.0
13C2-PFDoA	202000	2.32	0.00	74.6	0.0
13C2-PFTeDA	222000	2.46	0.00	78.9	0.0
13C2-8:2 FTS	245000	2.10	0.00	89.9	0.0
13C6-PFHxA	1370000	1.46	0.00	2.45	0.0
13C9-PFDA	1260000	2.14	0.00	2.54	0.0
13C2-6:2-FTS	422000	1.83	0.00	104.	0.0

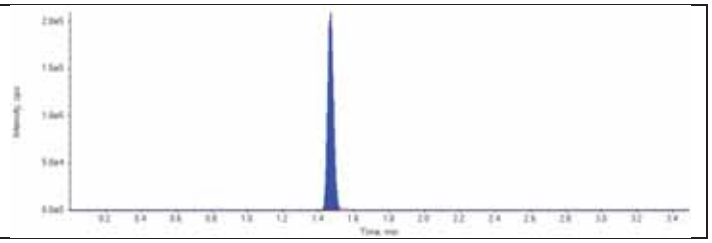
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



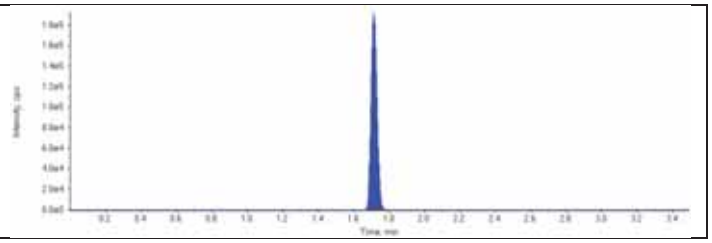
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



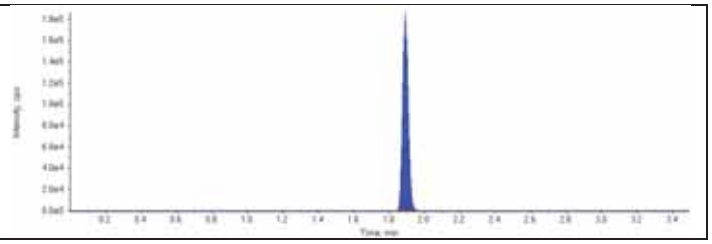
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



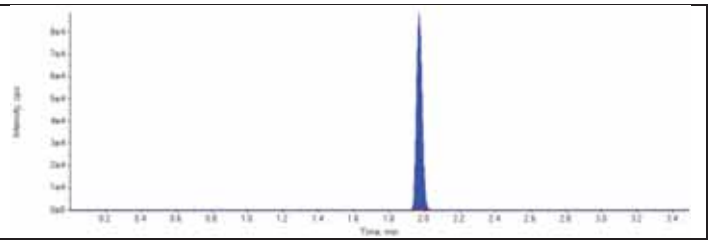
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



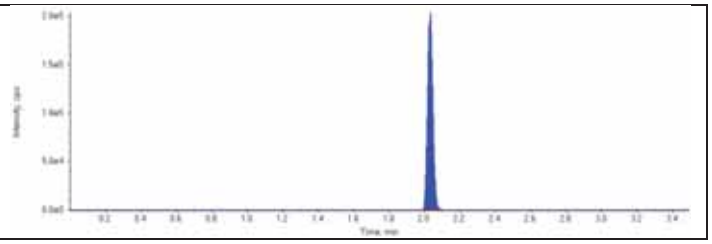
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



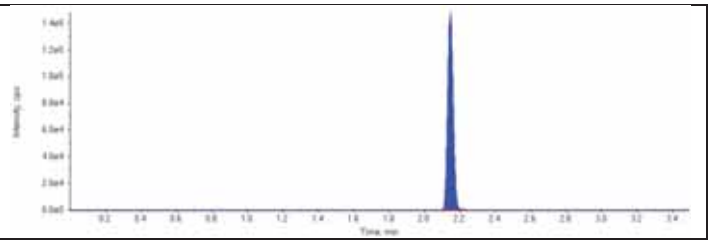
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



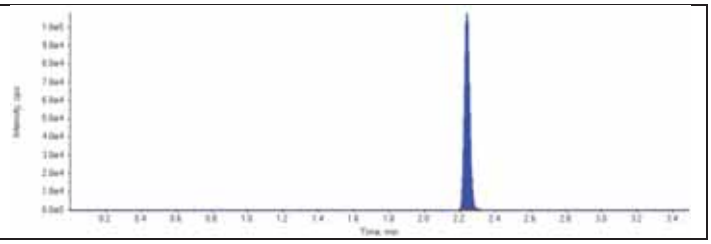
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



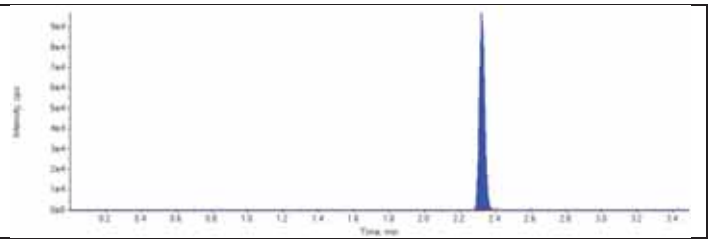
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



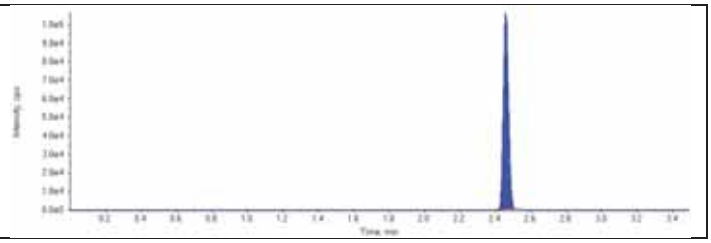
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



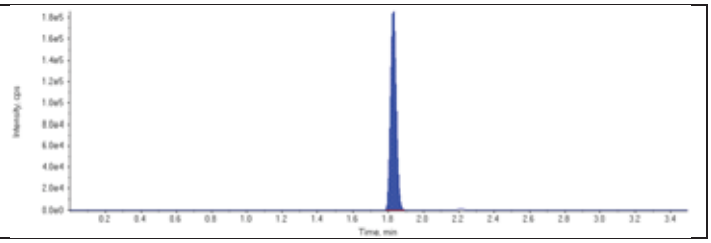
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



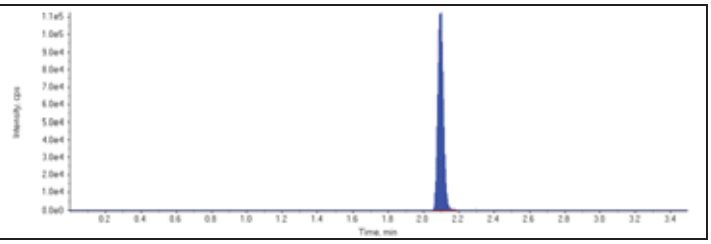
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



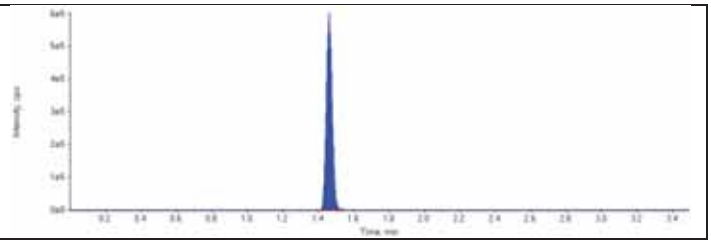
M2 8:2 FTS (Internal Standard)

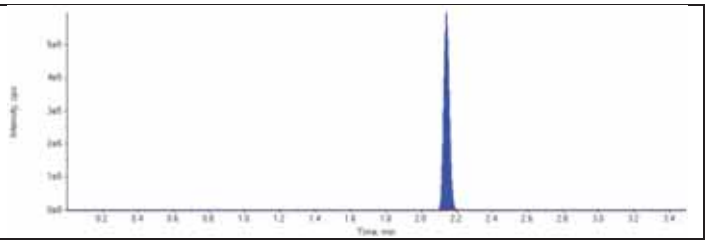
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

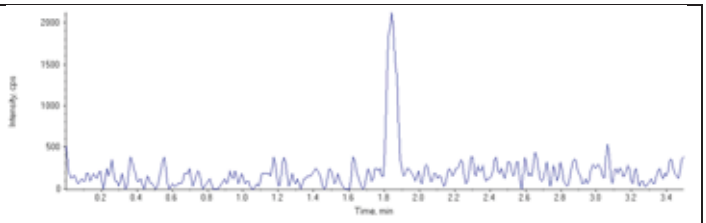
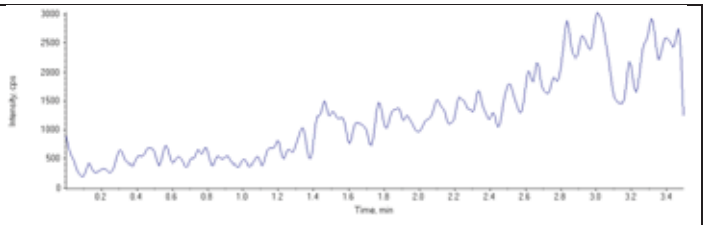
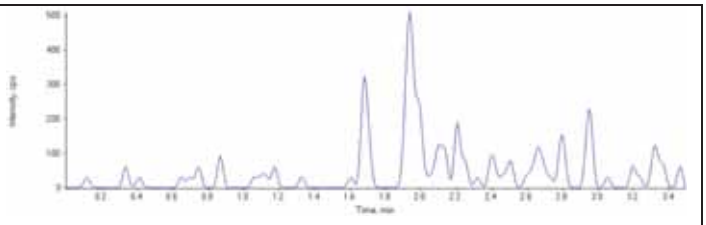
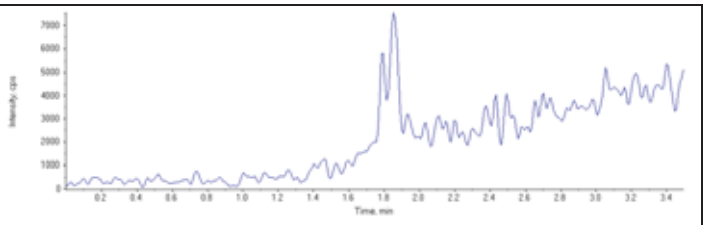
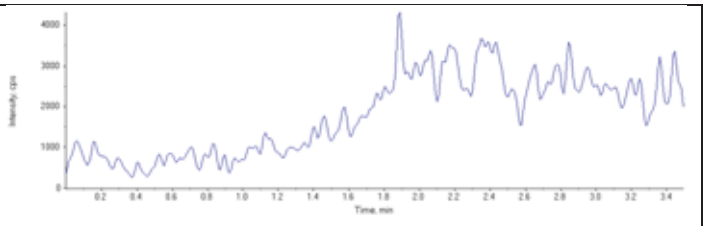
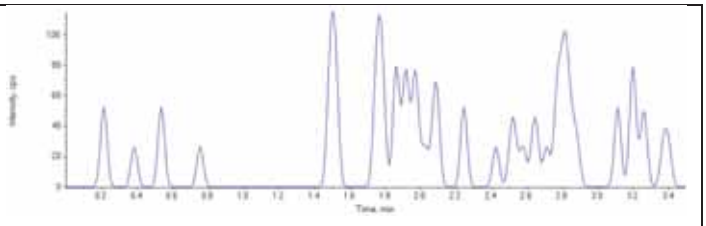


13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.46(1.48) min
Concentration: 41.7 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 41.7 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.19) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.48) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.74) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.88) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.97) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

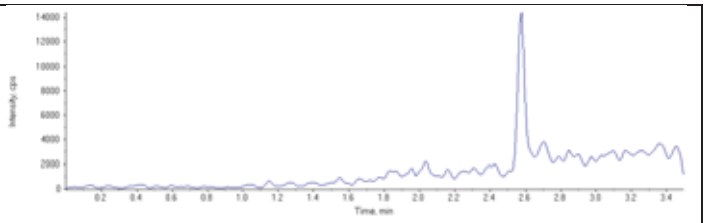
PFNA 1 (462.900/419.000 Da)

RT (Exp. RT): 0.00 (2.02) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Quality Control)



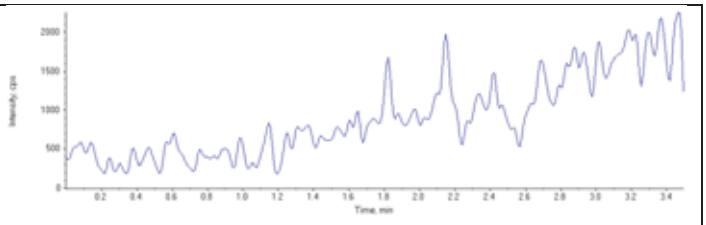
PFDA 1 (513.000/469.100 Da)

RT (Exp. RT): 0.00 (2.14) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Quality Control)



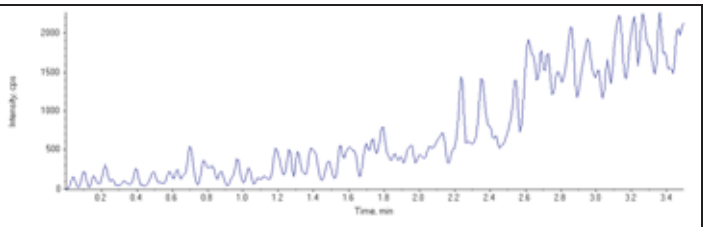
PFUnA 1 (562.900/519.000 Da)

RT (Exp. RT): 0.00 (2.24) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Quality Control)



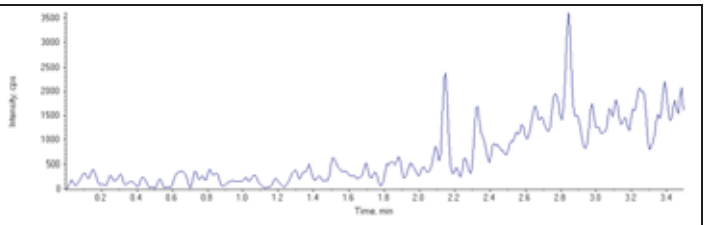
PFDoA 1 (612.900/569.000 Da)

RT (Exp. RT): 0.00 (2.32) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Quality Control)



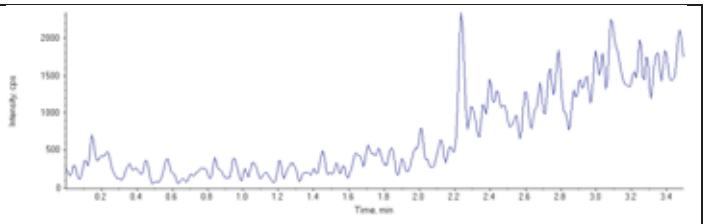
PFTrDA 1 (663.000/619.000 Da)

RT (Exp. RT): 0.00 (2.40) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Quality Control)



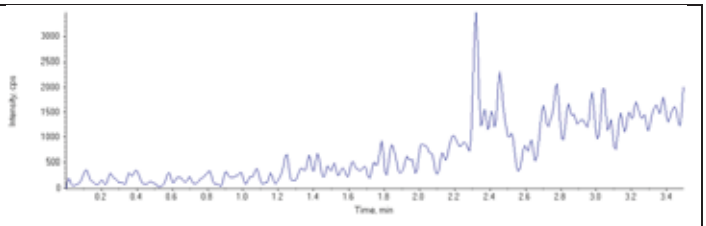
PFTeDA 1 (713.000/669.000 Da)

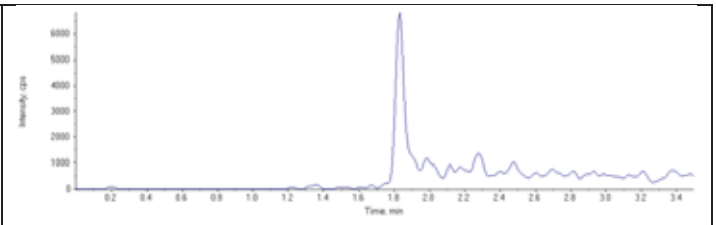
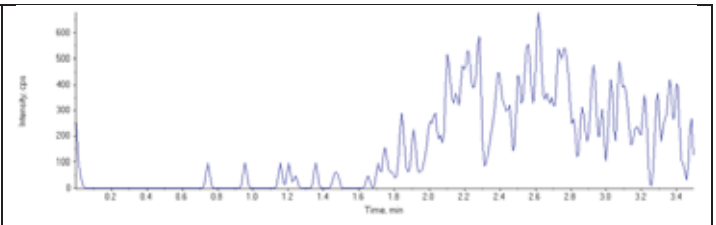
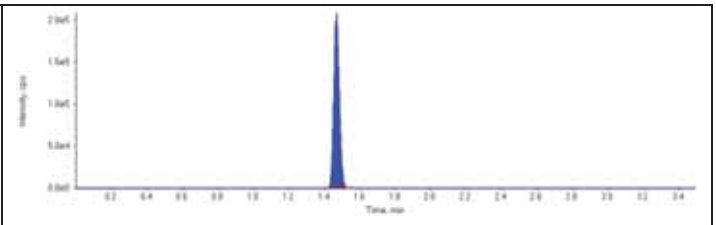
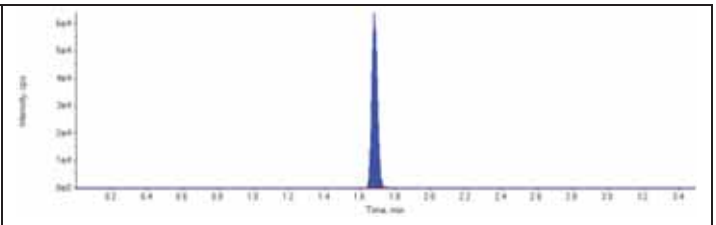
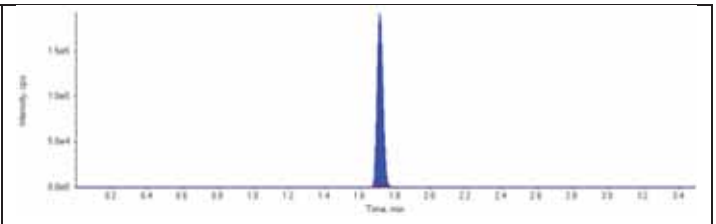
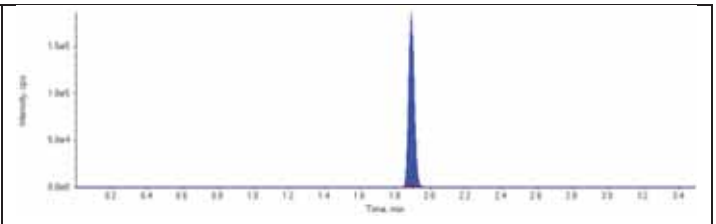
RT (Exp. RT): 0.00 (2.46) min

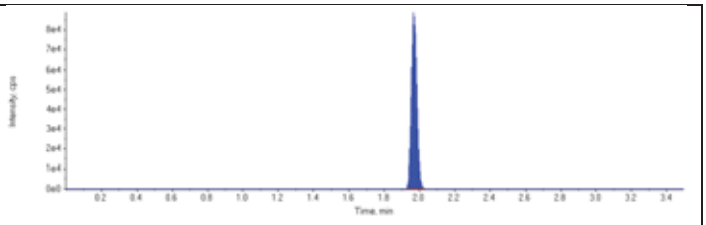
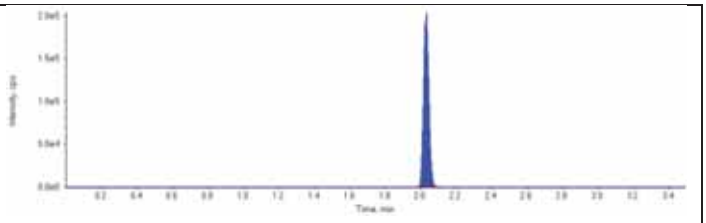
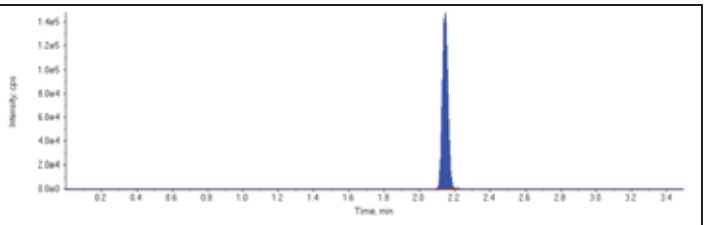
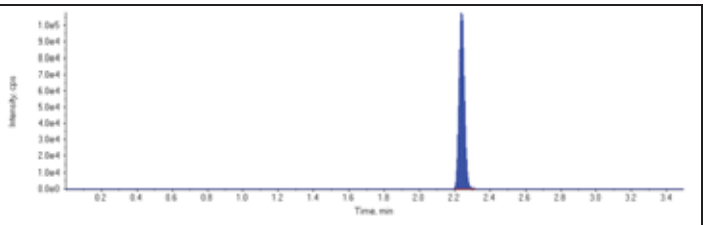
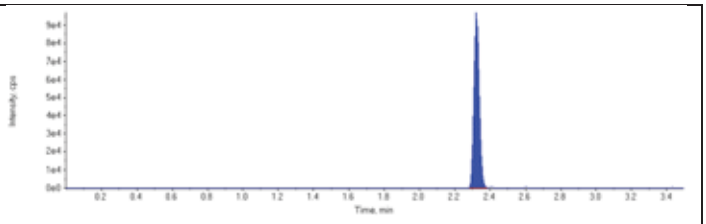
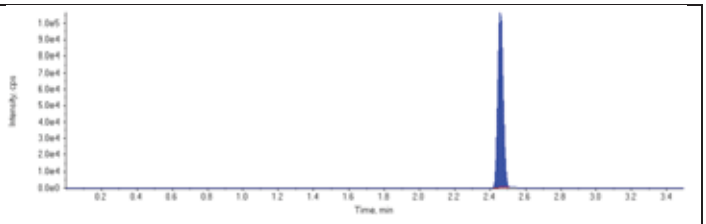
Calculated Conc: N/A µg/L

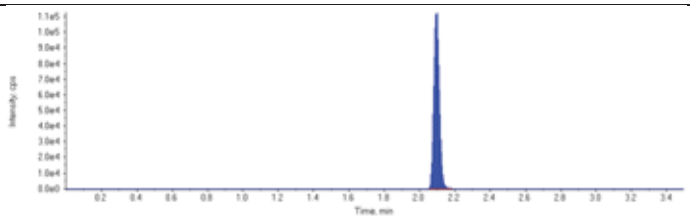
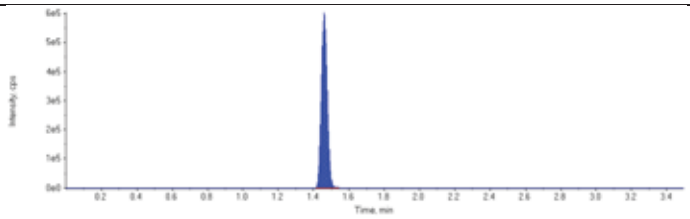
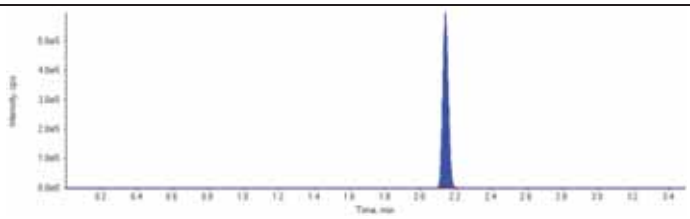
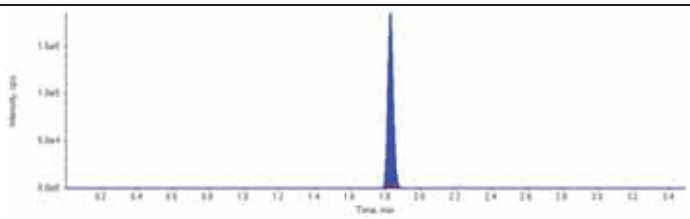
Area Ratio: 0.00

Sample Type: (Quality Control)



6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.83) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.10) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 97.4 µg/L Area Ratio: 0.343 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 89.9 µg/L Area Ratio: 0.101 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 85.3 µg/L Area Ratio: 0.326 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 95.8 µg/L Area Ratio: 0.288 Sample Type: (Quality Control)	

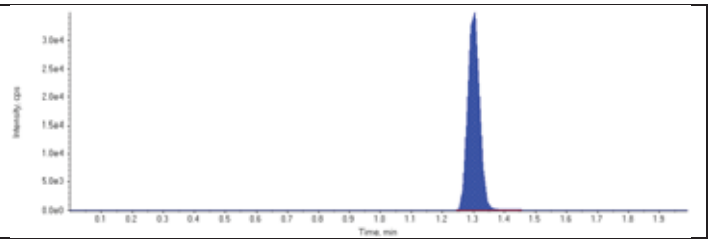
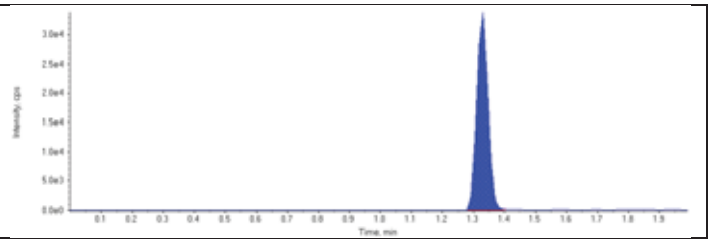
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 97.8 µg/L Area Ratio: 0.137 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 101. µg/L Area Ratio: 0.311 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 78.9 µg/L Area Ratio: 0.255 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 78.7 µg/L Area Ratio: 0.184 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 74.6 µg/L Area Ratio: 0.161 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 78.9 µg/L Area Ratio: 0.177 Sample Type: (Quality Control)	

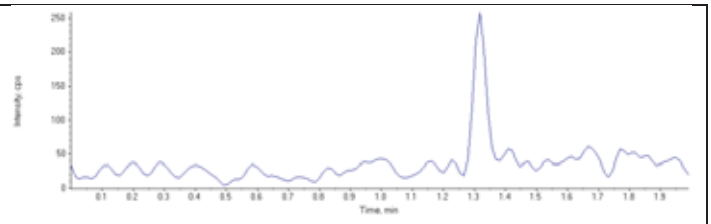
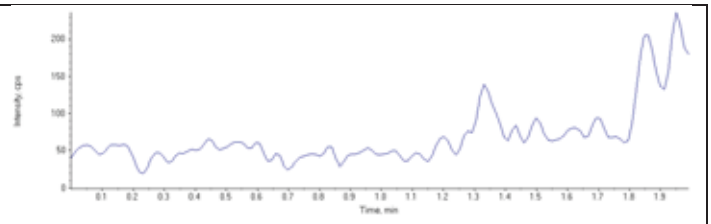
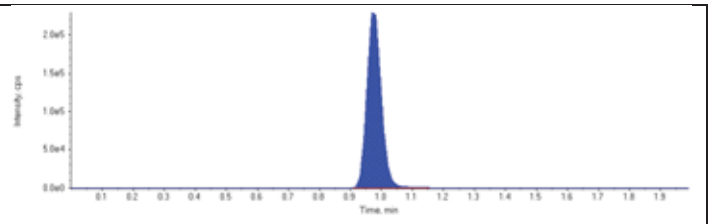
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 89.9 µg/L Area Ratio: 0.179 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 2.45 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 2.54 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 104. µg/L Area Ratio: 0.308 Sample Type: (Quality Control)	

Sample ID	4872075~BLANK	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	33
Acquisition Date	2017/03/03 5:38:58 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	- -		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	92000.	1.30	1.00	-
D5-EtFOSAA IS	85500.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	0.00	N/A	0.0
EtFOSAA 1	0	0.00	0.00	N/A	0.0
13C9-PFDA	749000	0.975	0.00	1.93	0.0

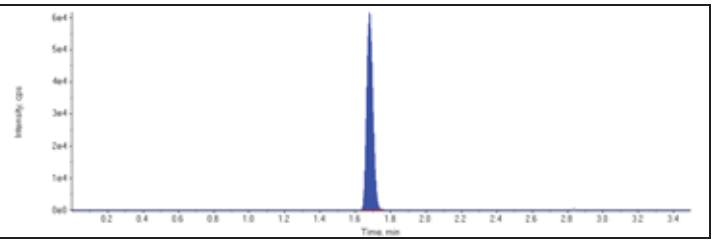
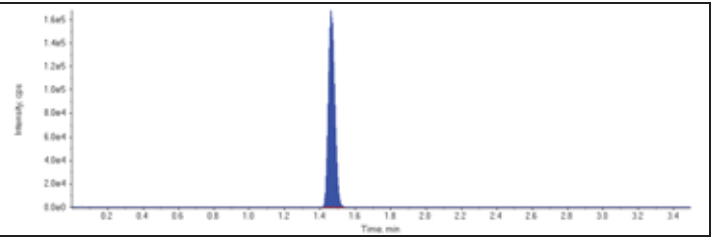
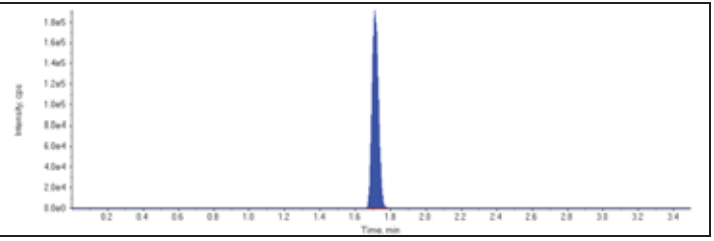
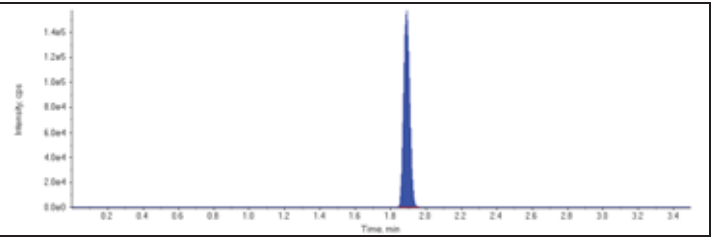
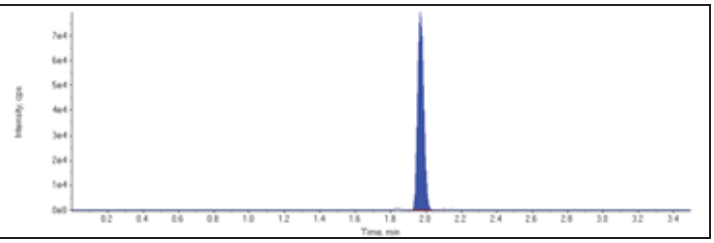
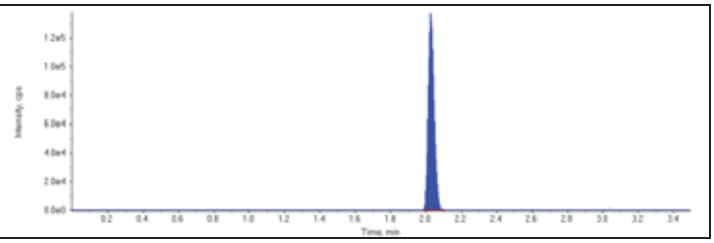
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.31) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.975 (0.855) min Calculated Conc: 1.93 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

Sample ID	4872075~SPIKE	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	10
Acquisition Date	2017/03/09 8:30:50 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

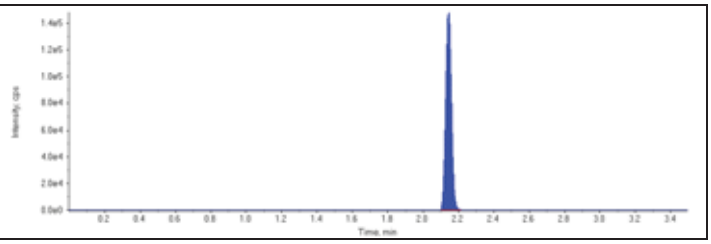
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	145000.	1.68	1.00	-
MPFHxA	415000.	1.46	1.00	-
MPFHpA	464000.	1.71	1.00	-
MPFOA	366000.	1.89	1.00	-
MPFOS	181000.	1.97	1.00	-
MPFNA	310000.	2.03	1.00	-
MPFDA	343000.	2.14	1.00	-
MPFUnA	221000.	2.24	1.00	-
MPFDoA	217000.	2.32	1.00	-
MPFTeDA	235000.	2.46	1.00	-
M2 6:2 FTS	428000.	1.83	1.00	-
M2 8:2 FTS	287000.	2.10	1.00	-
13C6-PFHxA IS	1410000.	1.46	41.7	-
13C9-PFDA IS	1170000.	2.14	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	2810000	1.15	0.500	0.489	97.8
PFHxA 1	3360000	1.46	0.500	0.479	95.8
PFHxS 1	2090000	1.68	0.500	0.484	96.9
PFHpA 1	3340000	1.71	0.500	0.511	102.0
PFOA 1	2450000	1.89	0.500	0.442	88.4
PFOS 1	1540000	1.97	0.500	0.458	91.6
PFNA 1	2220000	2.03	0.500	0.499	99.8
PFDA 1	2450000	2.14	0.500	0.471	94.3
PFUnA 1	1660000	2.24	0.500	0.428	85.7
PFDoA 1	1680000	2.32	0.500	0.528	106.0
PFTrDA 1	1490000	2.39	0.500	0.431	86.2
PFTeDA 1	1510000	2.46	0.500	0.372	74.4
6:2-FTS 1	2200000	1.83	0.500	0.463	92.7
8:2-FTS 1	2320000	2.10	0.500	0.443	88.6
13C2-PFHxA	415000	1.46	100.	83.4	83.4
18O2-PFHxS	145000	1.68	100.	91.8	91.8
13C4-PFHpA	464000	1.71	100.	85.9	85.9
13C4-PFOA	366000	1.89	100.	86.2	86.2
13C4-PFOS	181000	1.97	100.	91.7	91.7
13C5-PFNA	310000	2.03	100.	71.3	71.3
13C2-PFDA	343000	2.14	100.	90.6	90.6
13C2-PFUnA	221000	2.24	100.	80.9	80.9
13C2-PFDoA	217000	2.32	100.	86.2	86.2
13C2-PFTeDA	235000	2.46	100.	89.6	89.6
13C2-8:2 FTS	287000	2.10	100.	102.	102.0
13C6-PFHxA	1410000	1.46	100.	2.53	2.5
13C9-PFDA	1170000	2.14	100.	2.37	2.4
13C2-6:2-FTS	428000	1.83	100.	103.	103.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

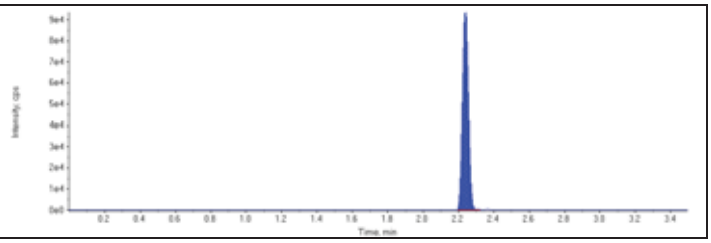
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



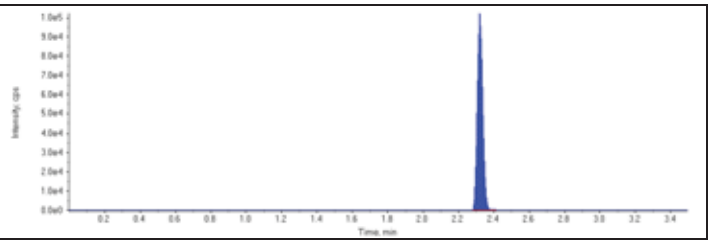
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



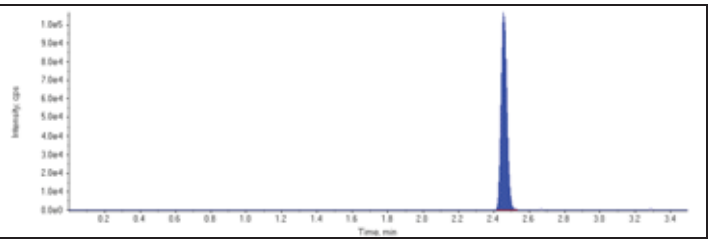
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



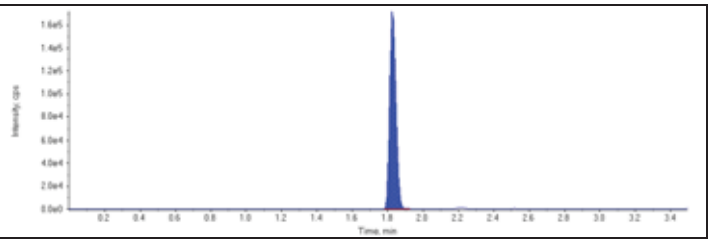
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



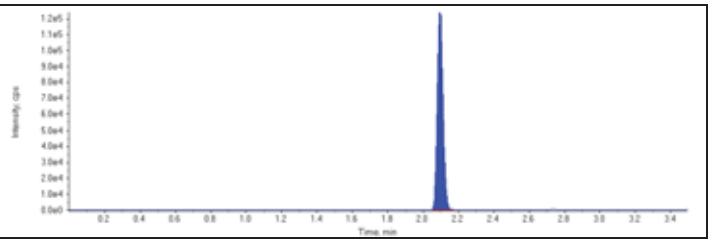
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



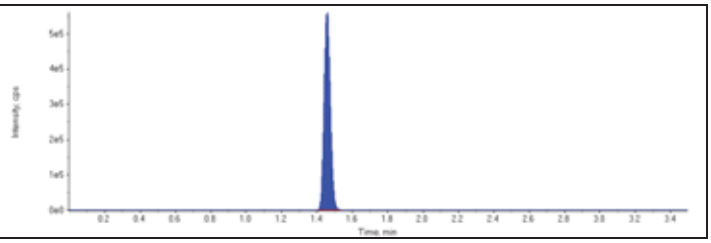
M2 8:2 FTS (Internal Standard)

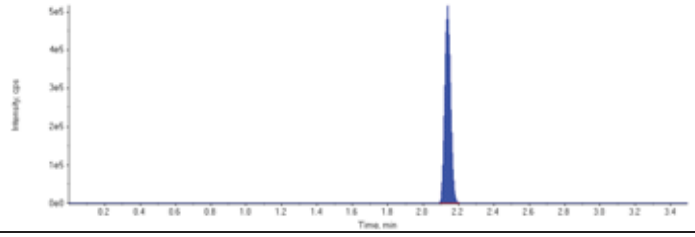
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

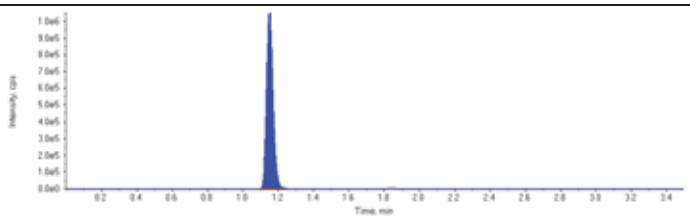
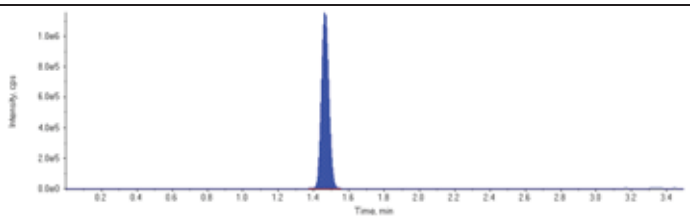
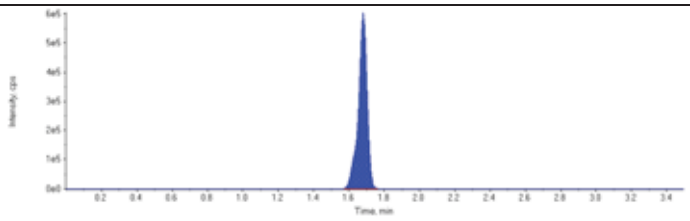
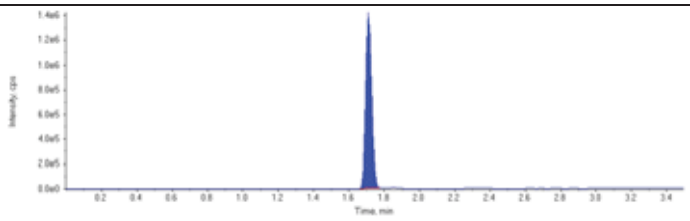
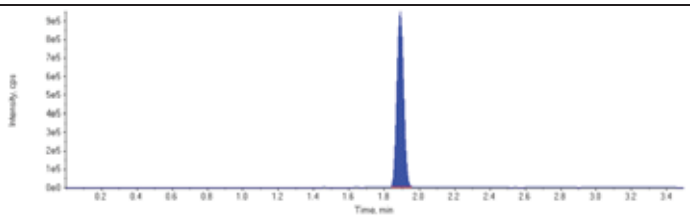
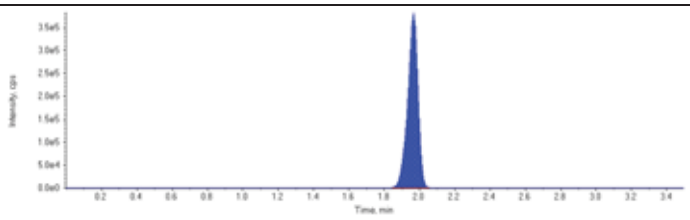


13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.46(1.48) min
Concentration: 41.7 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 41.7 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 0.489 µg/L Area Ratio: 19.4 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 0.479 µg/L Area Ratio: 8.11 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 0.484 µg/L Area Ratio: 14.4 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 0.511 µg/L Area Ratio: 7.21 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 0.442 µg/L Area Ratio: 6.69 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 0.458 µg/L Area Ratio: 8.49 Sample Type: (Quality Control)	

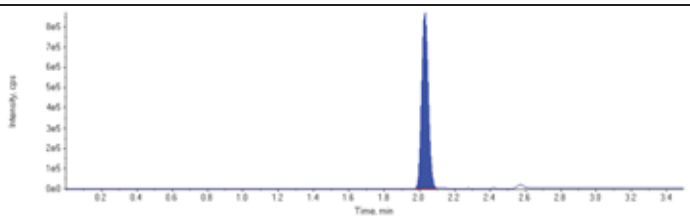
PFNA 1 (462.900/419.000 Da)

RT (Exp. RT): 2.03 (2.02) min

Calculated Conc: 0.499 µg/L

Area Ratio: 7.16

Sample Type: (Quality Control)



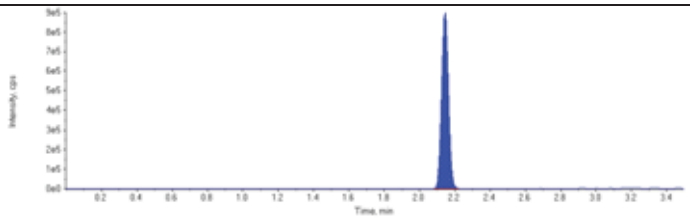
PFDA 1 (513.000/469.100 Da)

RT (Exp. RT): 2.14 (2.14) min

Calculated Conc: 0.471 µg/L

Area Ratio: 7.14

Sample Type: (Quality Control)



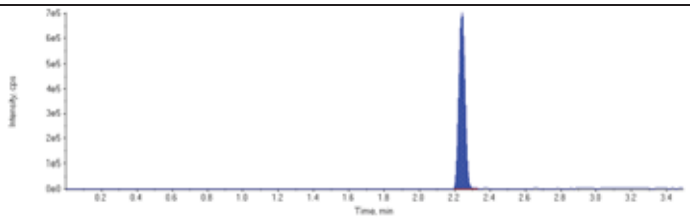
PFUnA 1 (562.900/519.000 Da)

RT (Exp. RT): 2.24 (2.24) min

Calculated Conc: 0.428 µg/L

Area Ratio: 7.51

Sample Type: (Quality Control)



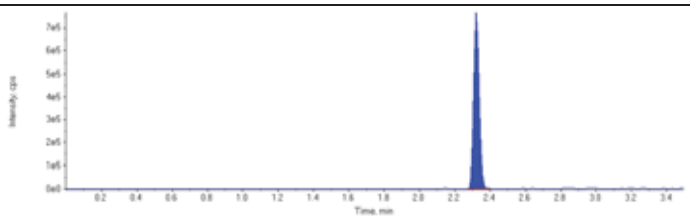
PFDoA 1 (612.900/569.000 Da)

RT (Exp. RT): 2.32 (2.32) min

Calculated Conc: 0.528 µg/L

Area Ratio: 7.72

Sample Type: (Quality Control)



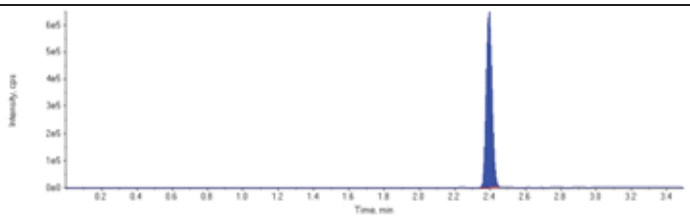
PFTrDA 1 (663.000/619.000 Da)

RT (Exp. RT): 2.39 (2.40) min

Calculated Conc: 0.431 µg/L

Area Ratio: 6.34

Sample Type: (Quality Control)



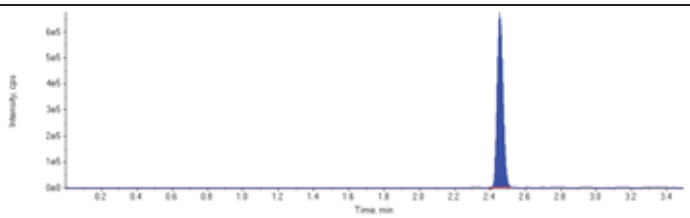
PFTeDA 1 (713.000/669.000 Da)

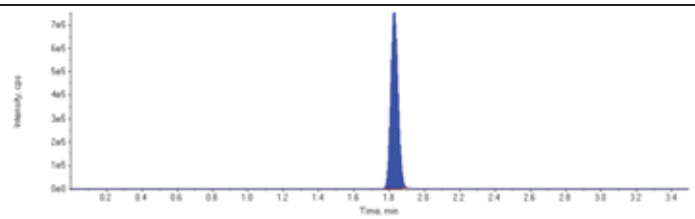
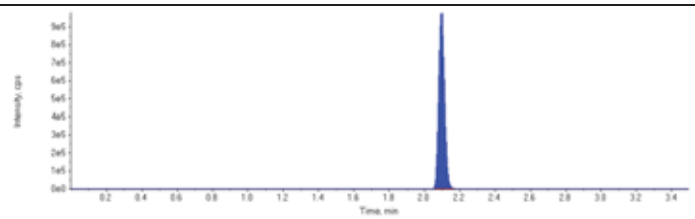
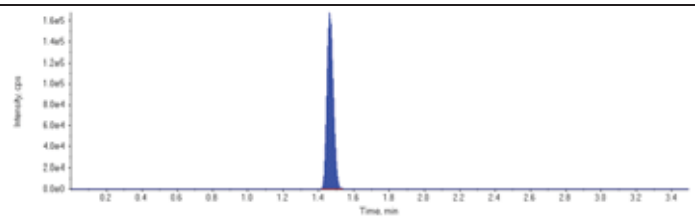
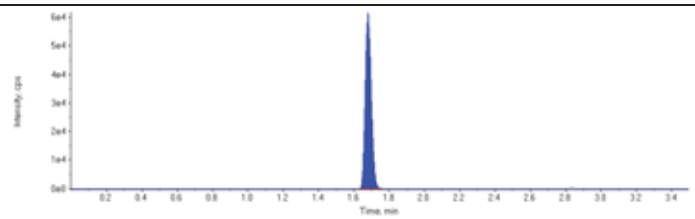
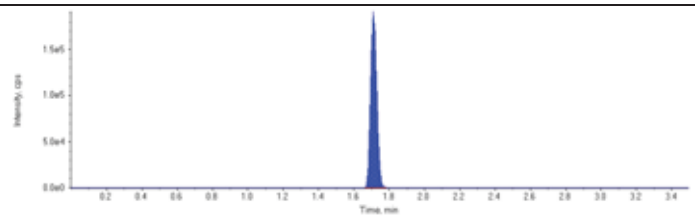
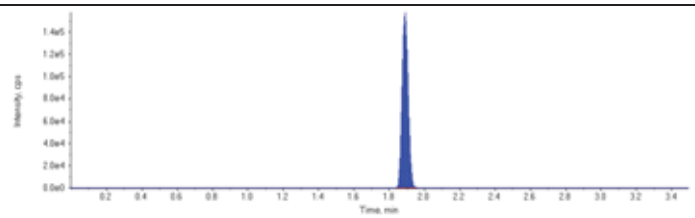
RT (Exp. RT): 2.46 (2.46) min

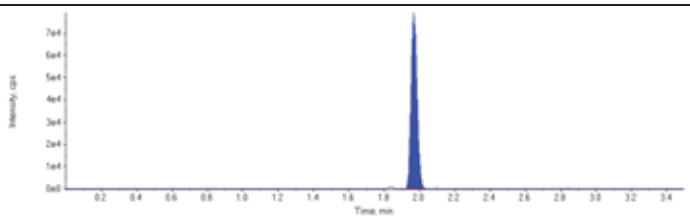
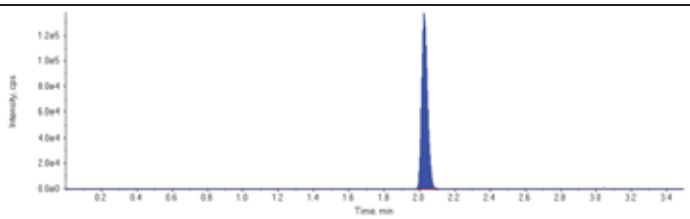
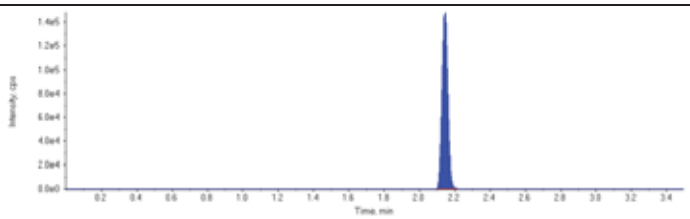
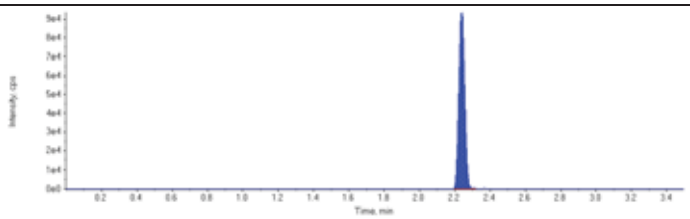
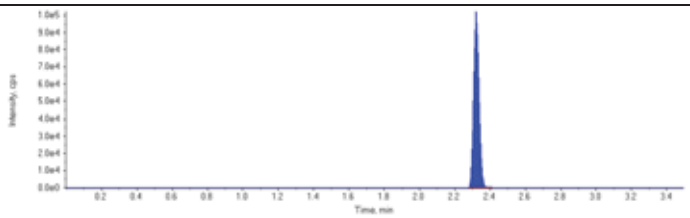
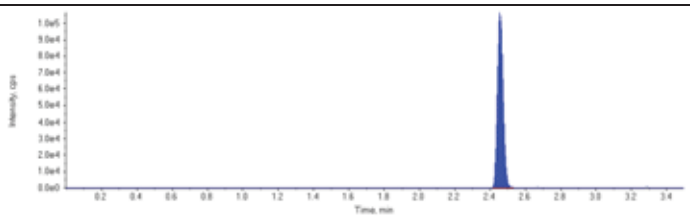
Calculated Conc: 0.372 µg/L

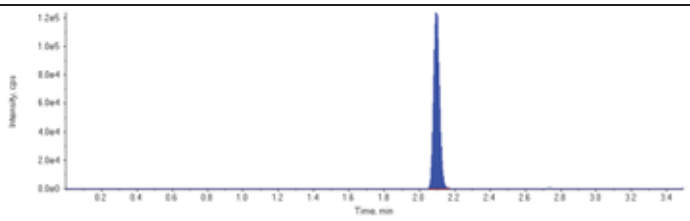
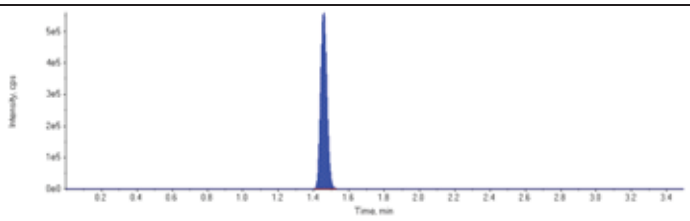
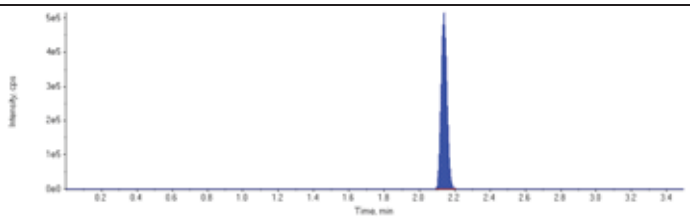
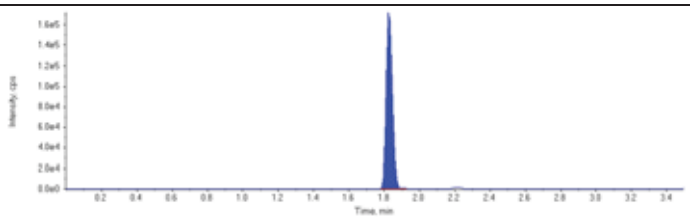
Area Ratio: 6.42

Sample Type: (Quality Control)



6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 0.463 µg/L Area Ratio: 5.15 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 0.443 µg/L Area Ratio: 8.06 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 83.4 µg/L Area Ratio: 0.294 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 91.8 µg/L Area Ratio: 0.103 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 85.9 µg/L Area Ratio: 0.328 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 86.2 µg/L Area Ratio: 0.259 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 91.7 µg/L Area Ratio: 0.128 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 71.3 µg/L Area Ratio: 0.220 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 90.6 µg/L Area Ratio: 0.293 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 80.9 µg/L Area Ratio: 0.189 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 86.2 µg/L Area Ratio: 0.186 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 89.6 µg/L Area Ratio: 0.201 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 102. µg/L Area Ratio: 0.203 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 2.53 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 2.37 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 103. µg/L Area Ratio: 0.303 Sample Type: (Quality Control)	

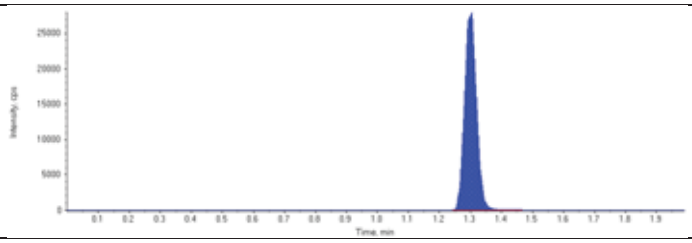
Sample ID	4872075~SPIKE	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	41
Acquisition Date	2017/03/03 6:02:03 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	75900.	1.30	1.00	-
D5-EtFOSAA IS	73000.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	651000	1.30	0.500	0.491	98.2
EtFOSAA 1	568000	1.33	0.500	0.459	91.7
13C9-PFDA	862000	0.967	100.	2.23	2.2

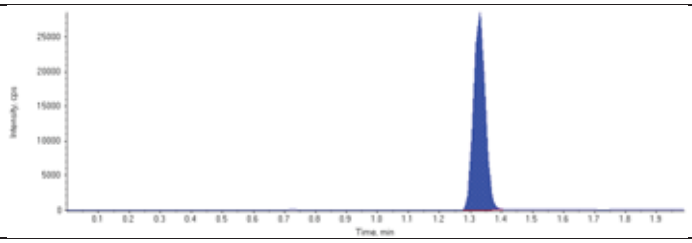
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



D5-EtFOSAA IS (Internal Standard)

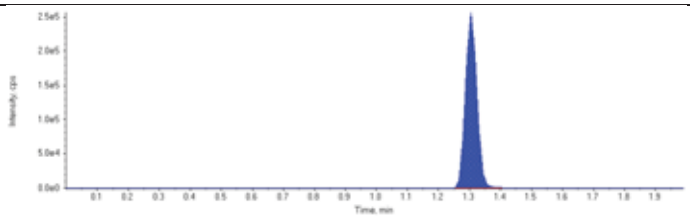
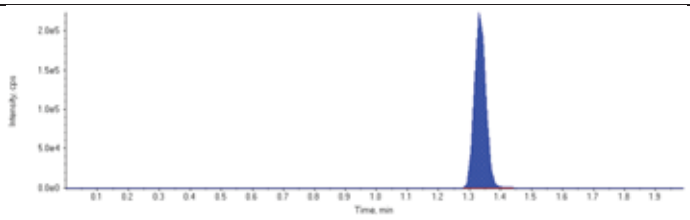
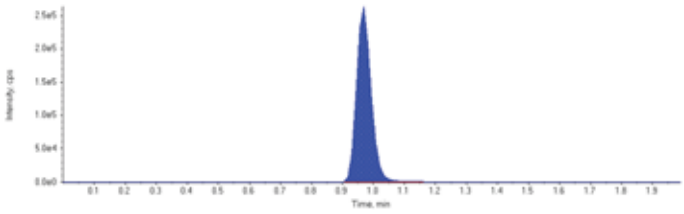
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Quality Control)

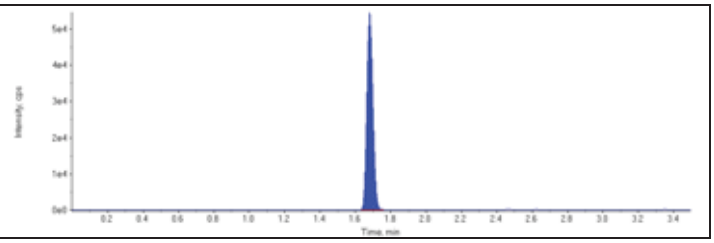
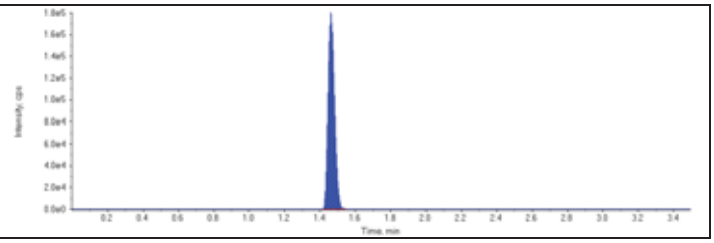
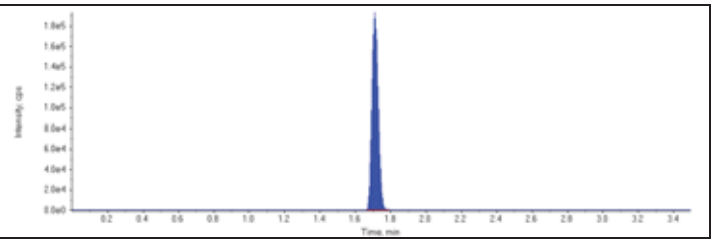
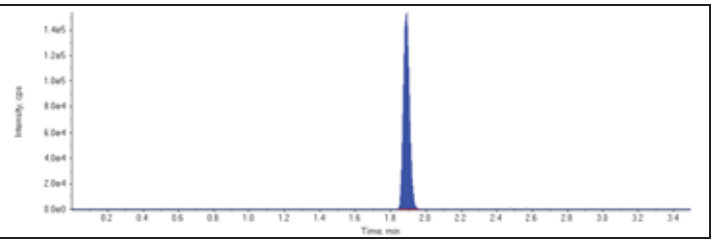
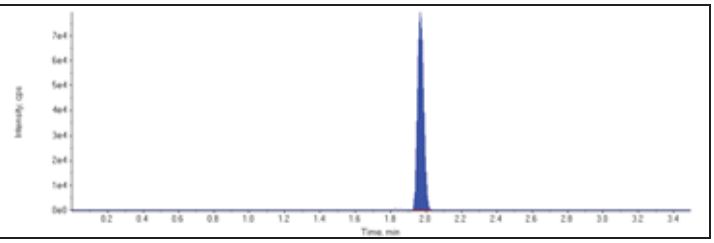
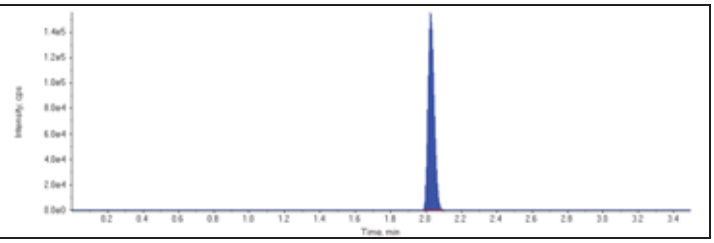
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.30 (1.28) min Calculated Conc: 0.491 µg/L Area Ratio: 8.57 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 0.459 µg/L Area Ratio: 7.77 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.967 (0.855) min Calculated Conc: 2.23 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

Sample ID	4872075~SPIKE:D1	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	11
Acquisition Date	2017/03/09 8:35:54 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

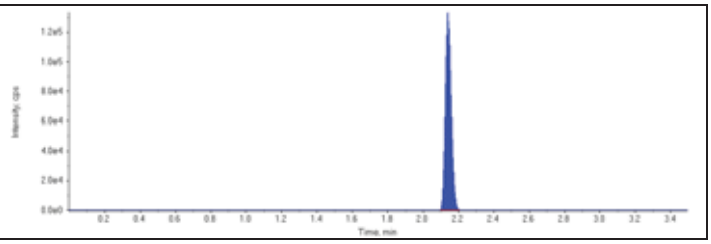
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	128000.	1.68	1.00	-
MPFHxA	449000.	1.46	1.00	-
MPFHpA	464000.	1.71	1.00	-
MPFOA	354000.	1.89	1.00	-
MPFOS	182000.	1.97	1.00	-
MPFNA	365000.	2.03	1.00	-
MPFDA	307000.	2.14	1.00	-
MPFUnA	270000.	2.24	1.00	-
MPFDoA	215000.	2.32	1.00	-
MPFTeDA	232000.	2.46	1.00	-
M2 6:2 FTS	443000.	1.83	1.00	-
M2 8:2 FTS	256000.	2.09	1.00	-
13C6-PFHxA IS	1370000.	1.46	41.7	-
13C9-PFDA IS	1150000.	2.14	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	2790000	1.15	0.500	0.549	110.0
PFHxA 1	3710000	1.46	0.500	0.488	97.6
PFHxS 1	2110000	1.68	0.500	0.553	111.0
PFHpA 1	3270000	1.71	0.500	0.498	99.6
PFOA 1	2740000	1.89	0.500	0.511	102.0
PFOS 1	1620000	1.97	0.500	0.480	96.0
PFNA 1	2450000	2.03	0.500	0.467	93.5
PFDA 1	2540000	2.14	0.500	0.548	110.0
PFUnA 1	2050000	2.24	0.500	0.433	86.5
PFDoA 1	1720000	2.32	0.500	0.546	109.0
PFTrDA 1	1600000	2.39	0.500	0.469	93.9
PFTeDA 1	1950000	2.46	0.500	0.487	97.4
6:2-FTS 1	2390000	1.83	0.500	0.486	97.2
8:2-FTS 1	2370000	2.09	0.500	0.510	102.0
13C2-PFHxA	449000	1.46	100.	93.1	93.1
18O2-PFHxS	128000	1.68	100.	83.8	83.8
13C4-PFHpA	464000	1.71	100.	88.7	88.7
13C4-PFOA	354000	1.89	100.	86.0	86.0
13C4-PFOS	182000	1.97	100.	95.1	95.1
13C5-PFNA	365000	2.03	100.	86.4	86.4
13C2-PFDA	307000	2.14	100.	82.5	82.5
13C2-PFUnA	270000	2.24	100.	100.	100.0
13C2-PFDoA	215000	2.32	100.	87.0	87.0
13C2-PFTeDA	232000	2.46	100.	90.0	90.0
13C2-8:2 FTS	256000	2.09	100.	93.7	93.7
13C6-PFHxA	1370000	1.46	100.	2.45	2.5
13C9-PFDA	1150000	2.14	100.	2.32	2.3
13C2-6:2-FTS	443000	1.83	100.	110.	110.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

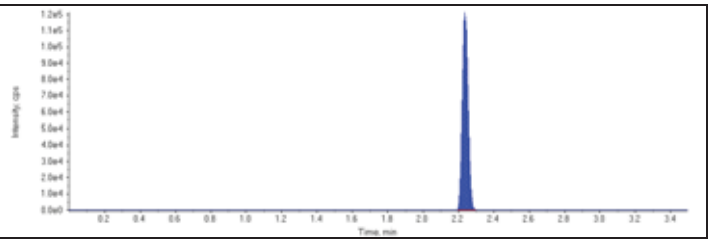
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



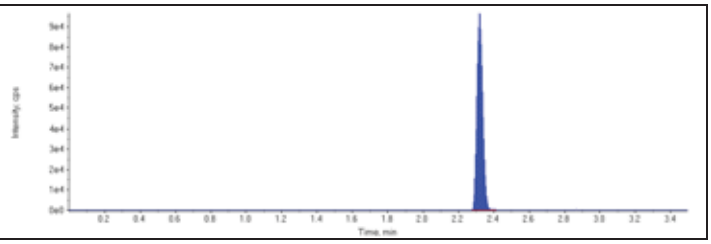
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



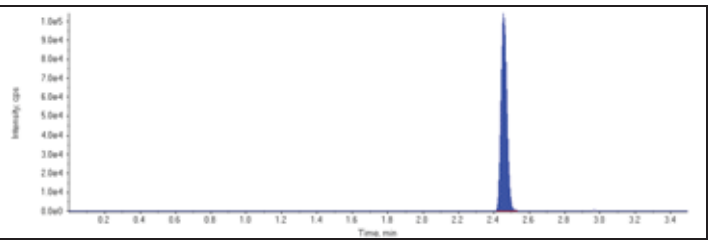
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



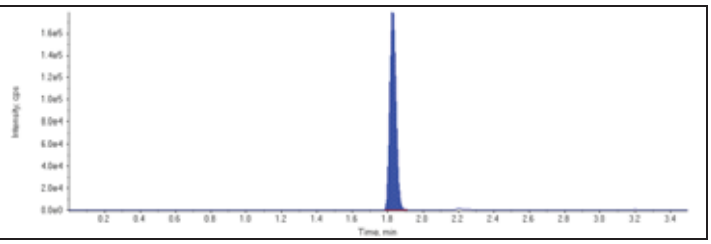
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



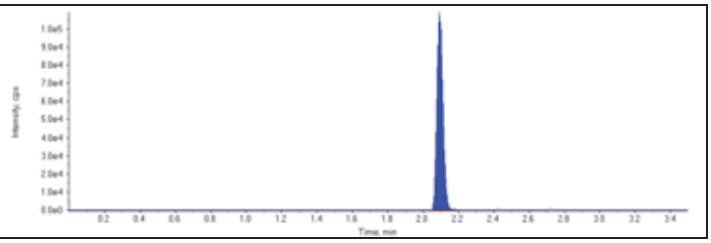
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



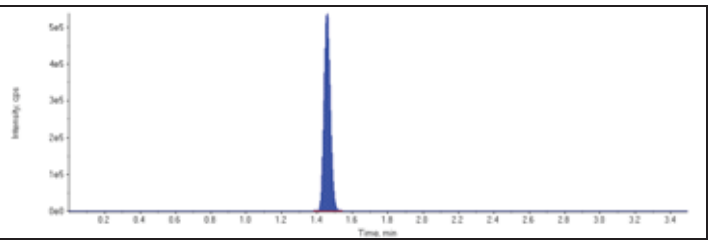
M2 8:2 FTS (Internal Standard)

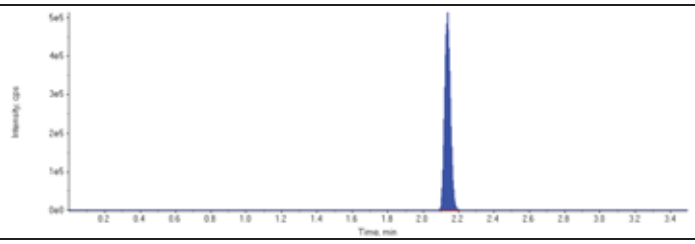
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

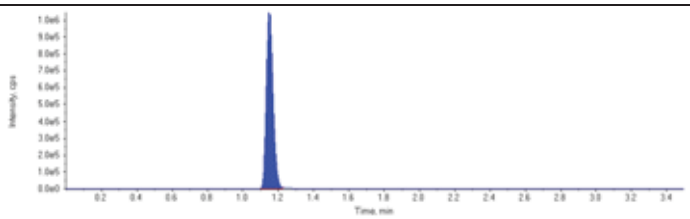
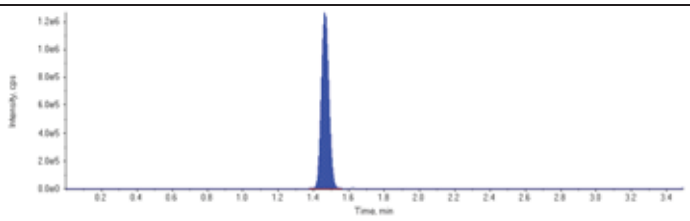
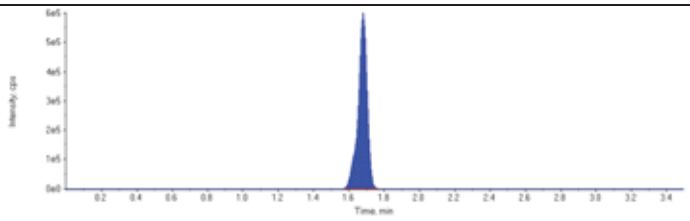
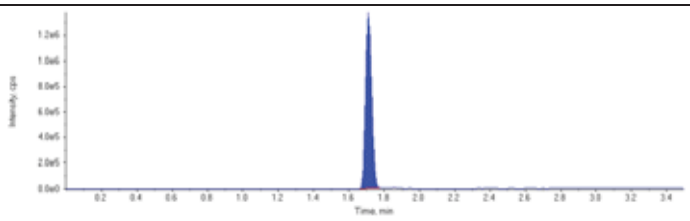
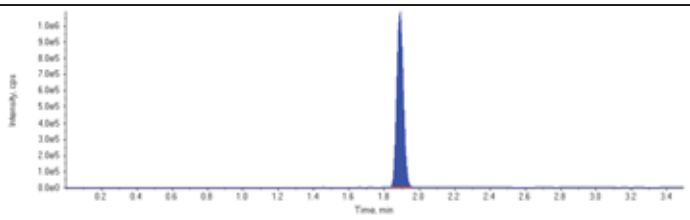
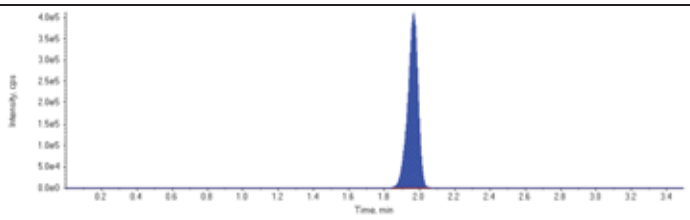


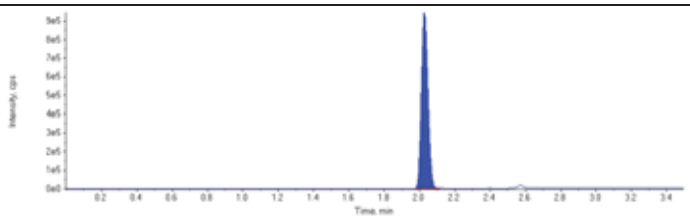
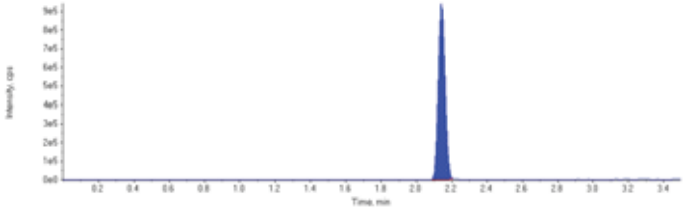
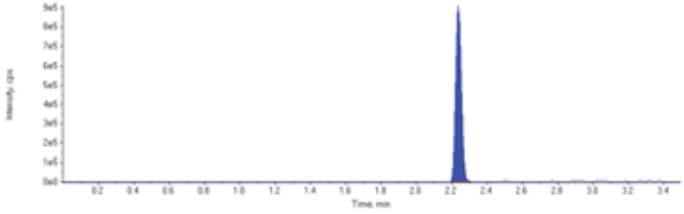
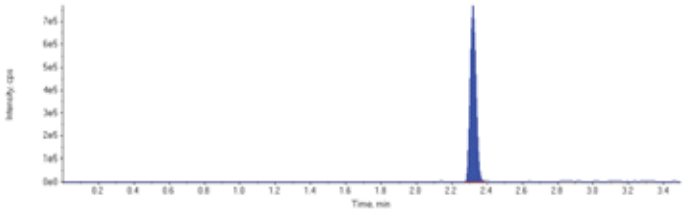
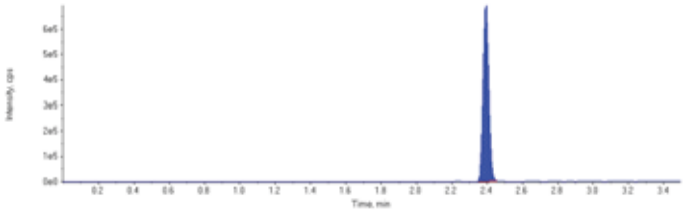
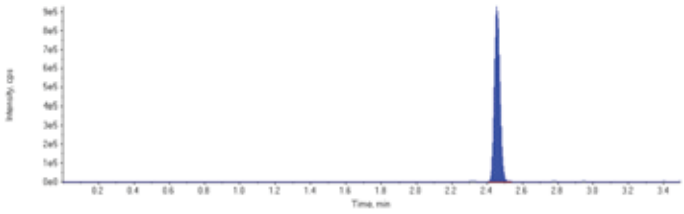
13C6-PFHxA IS (Internal Standard)

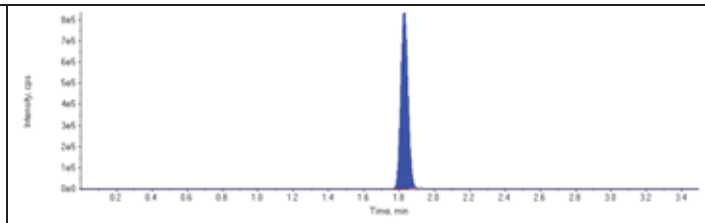
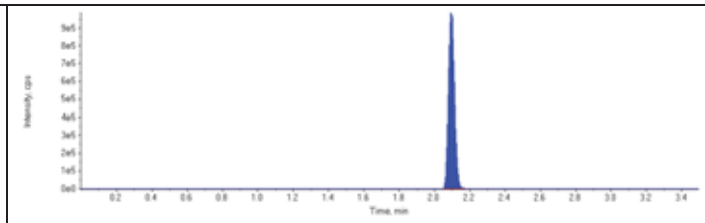
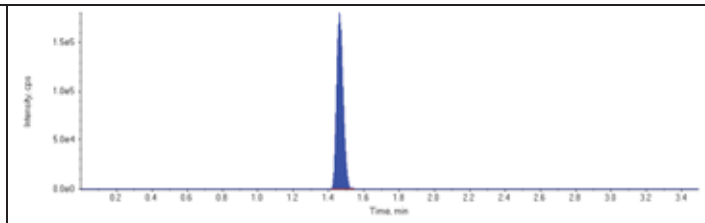
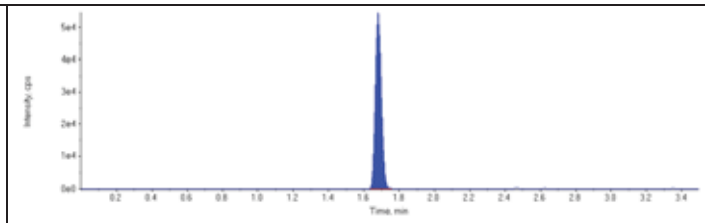
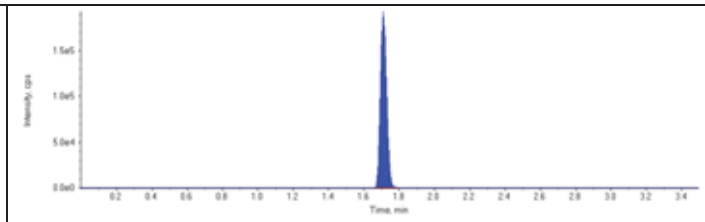
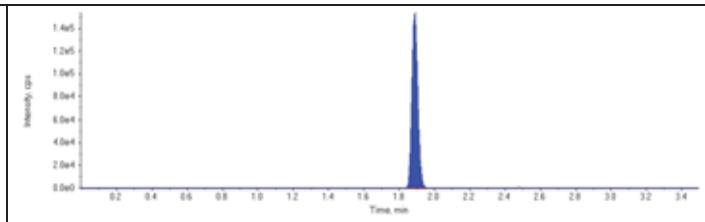
RT (Exp. RT): 1.46(1.48) min
Concentration: 41.7 ug/L
Sample Type: (Quality Control)

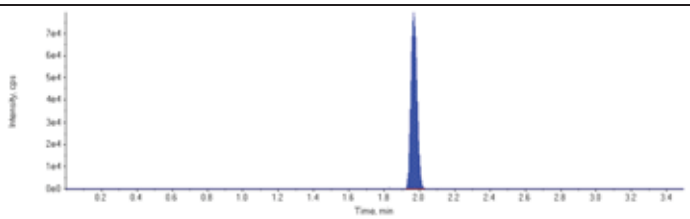
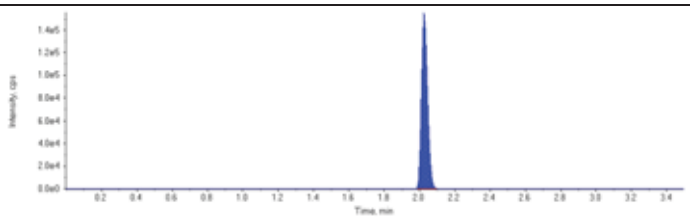
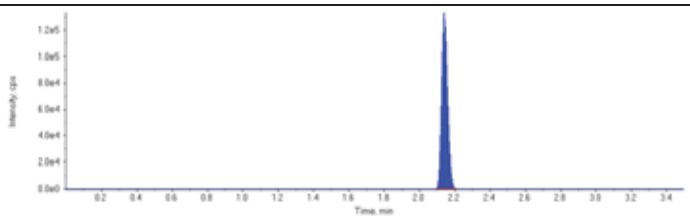
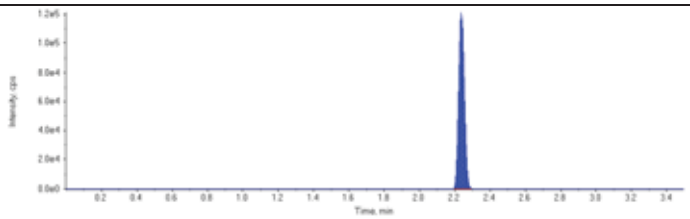
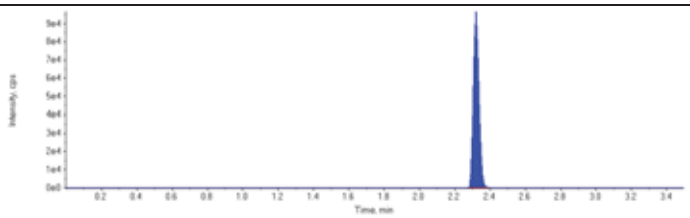
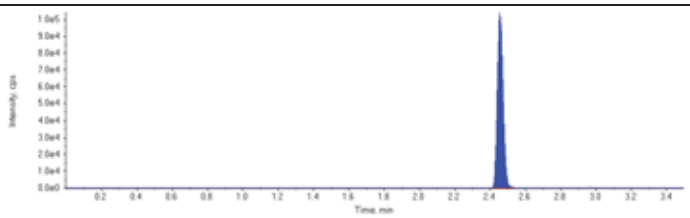


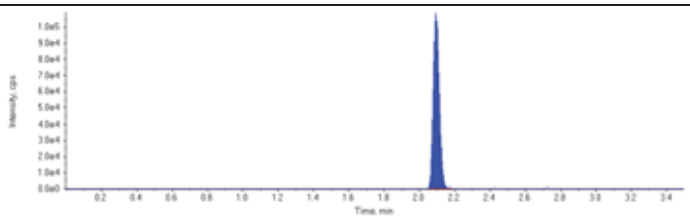
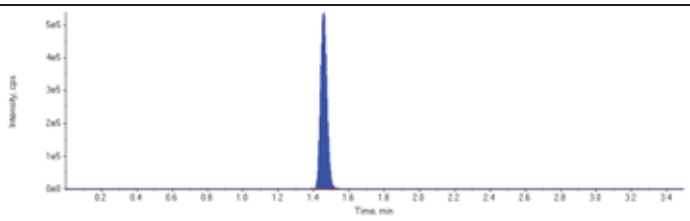
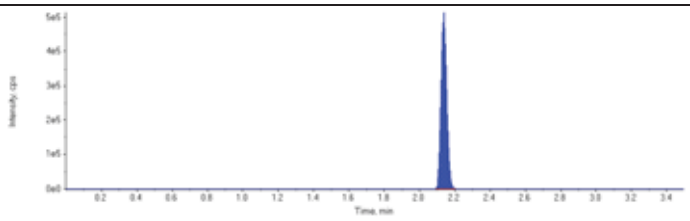
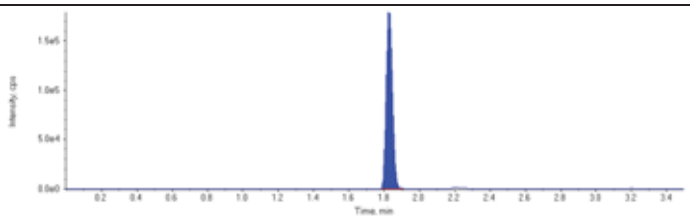
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 41.7 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 0.549 µg/L Area Ratio: 21.8 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 0.488 µg/L Area Ratio: 8.26 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 0.553 µg/L Area Ratio: 16.5 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 0.498 µg/L Area Ratio: 7.04 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 0.511 µg/L Area Ratio: 7.73 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 0.480 µg/L Area Ratio: 8.90 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.467 µg/L Area Ratio: 6.71 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 0.548 µg/L Area Ratio: 8.29 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 0.433 µg/L Area Ratio: 7.58 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 0.546 µg/L Area Ratio: 7.99 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 0.469 µg/L Area Ratio: 6.90 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 0.487 µg/L Area Ratio: 8.42 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 0.486 µg/L Area Ratio: 5.40 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 0.510 µg/L Area Ratio: 9.27 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 93.1 µg/L Area Ratio: 0.328 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 83.8 µg/L Area Ratio: 0.0937 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 88.7 µg/L Area Ratio: 0.339 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 86.0 µg/L Area Ratio: 0.259 Sample Type: (Quality Control)	

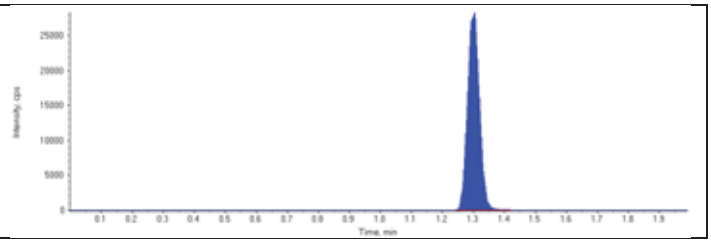
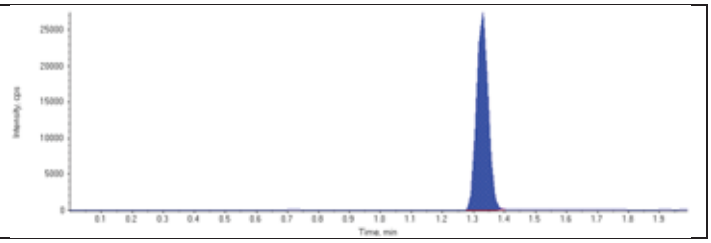
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 95.1 µg/L Area Ratio: 0.133 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 86.4 µg/L Area Ratio: 0.266 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 82.5 µg/L Area Ratio: 0.267 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 100. µg/L Area Ratio: 0.235 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 87.0 µg/L Area Ratio: 0.187 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 90.0 µg/L Area Ratio: 0.201 Sample Type: (Quality Control)	

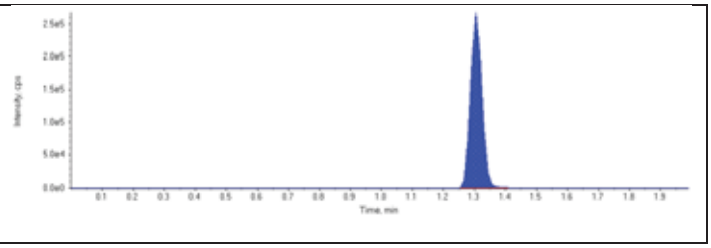
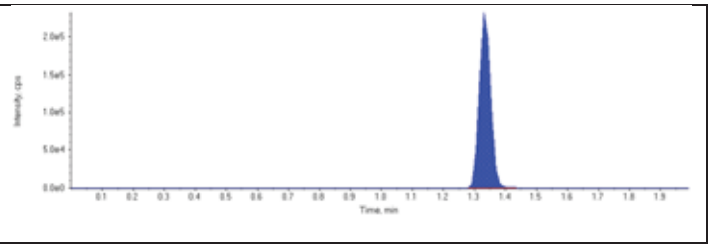
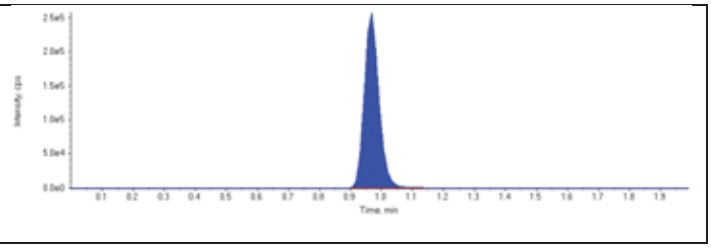
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 93.7 µg/L Area Ratio: 0.187 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 2.45 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 2.32 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 110. µg/L Area Ratio: 0.324 Sample Type: (Quality Control)	

Sample ID	4872075~SPIKE:D1	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	42
Acquisition Date	2017/03/03 6:04:37 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	75800.	1.30	1.00	-
D5-EtFOSAA IS	70200.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	682000	1.31	0.500	0.515	103.0
EtFOSAA 1	587000	1.33	0.500	0.493	98.6
13C9-PFDA	845000	0.967	100.	2.18	2.2

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 0.515 µg/L Area Ratio: 8.99 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 0.493 µg/L Area Ratio: 8.36 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.967 (0.855) min Calculated Conc: 2.18 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

DoD Projects - Internal Data Validation Checklist

Run date: 2017/02/27

Worksheet # (s): 471838

Analysis: PFOSAA Crm-w (High)

	Primary review by the analyst - 1st 100 % analysis review	1st 100% review yes	no	n/a	*2nd 100% review
1	Sample analyses meet hold time criteria	✓			✓
2	Analysis set-up meets method criteria	✓			✓
3	Tuning and correct calibration used - criteria meets method criteria	✓			✓
4	SQC/Control Charts updated, analysis in statistical/method control	✓			✓
5	Internal area counts checked (if applicable)	✓			✓
6	LCS, SRM are within acceptance criteria	✓			✓
7	Surrogate Recovery(s) is within acceptance criteria	✓			✓
8	Method Blank meets acceptance criteria	✓			✓
9	Matrix Spike recovery(s) meets acceptance criteria	✓			✓
10	Duplicate precision meets acceptance criteria	✓			✓
11	QC is documented on the run logs	✓			✓
12	Runs checked for carryover	✓			✓
13	Prep log / worksheet(s) are present, signed / dated by a prep / instrument analysts	✓			✓
14	Initial weights, splits, impringer volumes (where applicable) are documented	✓			✓
15	Standards and reagents traceable to Certificates of Analysis	✓			✓
16	Samples above calibration range diluted and reanalyzed	✓			✓
17	Dilution factors (where justified) have been checked for correctness and entered	✓			✓
18	Analytical observations/anomalies documented in LIMS			✓	✓
19	Random calculation checked and in correct units	✓			✓
20	If corrective actions were applied they are documented, initialed & dated			✓	✓
21	Manual integration – before & after data with a reason included, initialed & dated			✓	✓
22	Transferred data is validated in LIMS for correctness	✓			✓
23	Data package assembled (where required)	✓			✓

Reviewed by: [signature] Date: 2017/03/06

Comments:

	Secondary Supervisor/Qualified Data Review Staff - 2nd 100% verification review	yes	no	n/a
1	Repeats documented and referenced	✓		
2	Method and sample deviations noted, anomalies described (if applicable)			✓
3	Data and QC validated in LIMS	✓		
4	Random calculation checked	✓		
5	Benchsheet (s) signed and dated	✓		
6	Data Package (if required) checked for completeness	✓		

Reviewed by: [signature] Date: 2017/03/06

Comments: Sample DXR292 sent for rework by low level analysis to achieve lower detection limits.

*Note: 2nd 100% verification review documented by secondary qualified data review
Primary and Secondary Internal Data Review Check must be performed by a different person

Worksheet Data Validation Checklist - Extractable Organics

Worksheet # 4871838 Testcode: PFOSALCM-W (High)

	Sample Preparation	yes	no	n/a
1	Samples extracted within hold time	✓		
2	Client sample ID verified against Lab ID (waters & oils)	✓		
3	Parameter list and Client comments reviewed, (Spiking solutions matched to parameter list)	✓		
4	Height of sediment or if sample was decanted, recorded on worksheet	✓		
5	Method required QC processed with samples, maximum batch size = 20 client samples.	✓		
6	Sample, duplicate, matrix spike appear similar, initial sample as well as final extract	✓		
7	Sample weight or initial volume and extract final volume, aliquot factor clearly recorded.	✓		
8	If performed any additional dilution clearly recorded	✓		
9	Matrix spike / Duplicate performed on IOL samples if present			✓
10	Spiking solutions valid (haven't expired), ID and volume used clearly identified on worksheet	✓		
11	Spiking process witnessed and signed off	✓		
12	Extraction type recorded (N3A2B = neutral, 3 x acidic, 2 x basic)			✓
13	Sample prep deviations documented within CompliantPro as a Policy Deviation			✓
14	Job Remarks reviewed on 2nd page of worksheet.	✓		
15	Worksheet and reagent tracking record completed and authorized.	✓		

Reviewed by: DZ Date: 2017/03/22

Comments:

	Worksheet Approval	yes	no	n/a
1	Verified the position of the vials in autosampler against sequence list; signed off sequence list	✓		
2	Calibration and CCV standards valid (haven't expired)	✓		
3	Initial calibration curve and DFTPP tune (if applicable) acceptable	✓		
4	Continuing and Final CCV and DFTPP tune (if applicable) acceptable	✓		
5	System performance check acceptable (if applicable)	✓		
6	Internal standard responses acceptable	✓		
7	Method blank meets acceptance criteria	✓		
8	Lab Control Samples recoveries meets acceptance criteria	✓		
9	Duplicate RPD meets acceptance criteria	✓		
10	Matrix spike recoveries meets acceptance criteria	✓		
11	Surrogate recoveries meets acceptance criteria	✓		
12	Appropriate control charts updated	✓		
13	Samples above calibration range diluted and reanalyzed	✓		
14	Dilutions clearly documented on tracking record, inst file and verified during data upload	✓		
15	Samples following high level samples checked for carryover.	✓		
16	Mass spectra ion ratios acceptable for positive results, hardcopy in file.	✓		
17	Analytical observations / anomalies documented			✓
18	DQW comments entered in LIMS, hardcopy in file			✓
19	Sample Prep section (above) reviewed and verified.	✓		
20	WS Approval performed in LIMS	✓		

Reviewed by: DZ Date: 2017/03/06

Comments: The job 733011 has been reworked for PFHpS due to high spike recovery 2017/03/06

	Worksheet Validation	yes	no	n/a
1	Calibration, QC and sample results reviewed and determined acceptable	✓		
2	Manual integrations verified			✓
3	Random calculation checked	✓		
4	Data and QC validated in LIMS	✓		
5	Comments reviewed for appropriateness	✓		
6	Reworks / relogs documented in file	✓		
7	Worksheet signed and dated,	✓		
8	Worksheet approved and validated within LIMS	✓		

Reviewed by: [signature] Date: 2017/03/06

Comments:

WS# : 4871838

Page #: 1/2

Report Name : Worksheet - (Liquids and Solids)

Assignment Date : Wednesday, February 22, 2017

Assigned to : Lovelpreet Thind

Test Code : PFOSALCM-W

Instrument Id:

Test Description : PFOS and PFOA in water by LC-MS/MS

Sediment

Job Number	Sample Number	D	Sample ID	F	% Moisture	Wt or Vol (mL)	Final Vol (mL)	DF or AF	# Cont	Expiry Date	Test DeadLine	Criteria	Extract Date
	MTRX SPK	0	PFOS DXR292-01		0	0.75	1.25						2017/02/22
	MTRX SPK	1	PFOS DXR292-01		0	0.75	1.25						2017/02/22
	SPIKE		PFOS		0	0.75	1.25						2017/02/22
	BLANK				0	0.75	1.25						2017/02/22
~~B732816~~	~~*DXR289-01R~~		~~FRCHD01-DUP01~~		~~0~~	~~0.75~~	~~1.25~~	~~1X, 10X~~	~~1~~	~~2017/02/28~~	~~2017/03/03 18:00~~	~~DOD~~	~~2017/02/22~~
~~B732816~~	~~*DXR290-01R~~		~~FRCHD01-GW-001~~		~~<0.1~~	~~0.75~~	~~1.25~~	~~1X, 10X~~	~~1~~	~~2017/03/01~~	~~2017/03/03 18:00~~	~~DOD~~	~~2017/02/22~~
~~B732816~~	~~*DXR291-01R~~		~~FRCHD01-GW-002~~		~~0~~	~~0.75~~	~~1.25~~	~~1X, 10X~~	~~1~~	~~2017/02/28~~	~~2017/03/03 18:00~~	~~DOD~~	~~2017/02/22~~
B732816	*DXR292-01R		FRCHD01-GW-003		0	0.75	1.25	1X, 10Y	3	2017/02/28	2017/03/03 18:00	DOD	2017/02/22
~~B732816~~	~~*DXR293-01R~~		~~FRCHD01-GW-004~~		~~0~~	~~0.75~~	~~1.25~~	~~1X, 10X~~	~~1~~	~~2017/03/01~~	~~2017/03/03 18:00~~	~~DOD~~	~~2017/02/22~~
~~B732816~~	~~*DXR294-01R~~		~~FRCHD01-GW-005~~		~~0~~	~~0.75~~	~~1.25~~	~~1X, 10X~~	~~1~~	~~2017/03/01~~	~~2017/03/03 18:00~~	~~DOD~~	~~2017/02/22~~
B733011	*DXS244-01R		[redacted]		<0.1	0.75	1.25	1X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS245-01R				0	0.75	1.25	1X, 10X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS246-01R				0	0.75	1.25	1X, 10X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS247-01R				<0.1	0.75	1.25	1X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS248-01R				<0.1	0.75	1.25	1X, 10X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS249-01R				0.2	0.75	1.25	1X, 10X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS250-01R				<0.1	0.75	1.25	1X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS251-01R				0.2	0.75	1.25	1X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS252-01R				0	0.75	1.25	1X	1	2017/03/01	2017/03/06 18:00		2017/02/22
B733011	*DXS253-01R				<0.1	0.75	1.25	1X	1	2017/03/01	2017/03/06 18:00		2017/02/22
~~B733439~~	~~*DXU298-01R~~				~~<0.1~~	~~0.75~~	~~1.25~~	~~1X~~	~~1~~	~~2017/03/02~~	~~2017/02/24 23:00~~		~~2017/02/22~~

2017/02/23

2017/02/22

Remarks: High level analysis

* Sample removed from worksheet. 2017/02/23

2017/02/22

Samples extracted by: Lovelpreet Thind

Instrumentation performed by:

Date: 2017/02/24

Calculations performed by:

Date: 2017/03/06

Validated by:

Date: 2017/03/06

Job No.	Rep / Client Name / Remarks	Contact	Client Tier	National
GB732816	MDG CT Laboratories LLC NREG PFOSALCM-W **MS/MSD required for DXR292** (537 list plus telomers) Level IV Package and ERPIMS EDD required Project #: 775303101	Fairchild AFB reportin		
DB733011	[redacted]			
TB733439	[redacted]			

Surrogates/Spikes (µl) ID	Method Spike	Spikes	Samples
S1 – 20 > SK-6660			
S2 – 37.5 >			
S3 – 15 > SK-6659			
S4 – 37.5 >			
S5 – 22.5 > I-4925			
S6 – 37.5 >			
ICV – 21 — I-4917			

Sample	Preparation Remarks

Sample	Instrumentation Remarks

Worksheet Number: **4871838**

PFOS and PFOA in water - Water
ug/L

Parameter Name	Units	MTRX SPK	DL	MTRX SPK Dup1	DL	SPIKE	DL
6:2 Fluorotelomer sulfonate	ug/L	125.0000	0.8	117.8571	0.8	108.92857	0.8
8:2 Fluorotelomer sulfonate	ug/L	112.17857	0.8	122.53571	0.8	112.14286	0.8
N-ethylperfluorooctane sulfonamide	ug/L	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
EtFOSAA	ug/L	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
N-ethylperfluorooctane sulfonamidoe	ug/L	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
N-methylperfluorooctane sulfonamide	ug/L	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
MeFOSAA	ug/L	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
N-methylperfluorooctanesulfonamidol	ug/L	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
Perfluorobutanoic acid	ug/L	!! 137.785	0.8	130.28571	0.8	120.00000	0.8
Perfluorobutane Sulfonate (PFBS)	ug/L	109.82143	0.8	109.82143	0.8	116.42857	0.8
Perfluorodecane Sulfonate	ug/L	111.50857	0.8	116.50857	0.8	127.85714	0.8
Perfluoroheptanoic Acid (PFHpA)	ug/L	115.14286	0.8	118.71429	0.8	122.85714	0.8
Perfluoroheptane sulfonate	ug/L	127.78571	0.8	120.28571	0.8	!! 141.071	0.8
Perfluorohexanoic Acid (PFHxA)	ug/L	112.50000	0.8	118.92857	0.8	121.07143	0.8
Perfluorohexane Sulfonate (PFHxS)	ug/L	112.50000	0.8	117.50000	0.8	117.14286	0.8
Perfluorononanoic Acid (PFNA)	ug/L	113.35000	0.8	126.92143	0.8	117.85714	0.8
Perfluorooctane Sulfonamide (PFOSA)	ug/L	112.28929	0.8	118.00357	0.8	120.00000	0.8
Perfluoropentanoic Acid (PFPeA)	ug/L	112.50000	0.8	119.64286	0.8	117.50000	0.8
Perfluorotetradecanoic Acid	ug/L	119.64286	0.8	118.21429	0.8	112.14286	0.8
Perfluorotridecanoic Acid	ug/L	!! 159.285	0.8	!! 149.642	0.8	120.00000	0.8
Perfluoroundecanoic Acid (PFUnA)	ug/L	104.28571	0.8	121.78571	0.8	108.92857	0.8
Perfluorodecanoic Acid (PFDA)	ug/L	121.42857	0.8	122.85714	0.8	123.57143	0.8
Perfluorododecanoic Acid (PFDoA)	ug/L	120.71429	0.8	116.42857	0.8	125.71429	0.8
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	112.17857	0.8	117.89286	0.8	118.21429	0.8
Perfluorooctane Sulfonate (PFOS)	ug/L	120.7142	0.8	124.6428	0.8	120.71429	0.8
13C2-6:2 Fluorotelomer sulfonate	ug/L	95.1		101.		111.	
13C2-8:2 Fluorotelomer sulfonate	ug/L	93.9		92.4		97.9	
13C2-perfluorotetradecanoic acid	ug/L	!! 48.1		!! 52.5		87.8	
13C4-Perfluorobutanoic acid	ug/L	N/A*******		N/A*******		N/A*******	
13C6-Perfluorohexanoic Acid	ug/L	106.		99.6		94.3	
13C9-Perfluorodecanoic Acid	ug/L	104.		96.8		106.	
N-methyl-d3-perfluorooctane sulfona	ug/L	N/A*******		N/A*******		N/A*******	
N-ethyl-d5-perfluorooctane sulfonam	ug/L	N/A*******		N/A*******		N/A*******	
13C2-Perfluorodecanoic acid	ug/L	93.3		93.0		88.1	
13C2-Perfluorododecanoic acid	ug/L	77.2		88.3		90.9	
13C2-Perfluorohexanoic acid	ug/L	87.3		92.0		103.	
13C2-Perfluoroundecanoic acid	ug/L	94.1		84.8		93.1	
13C4-Perfluoroheptanoic acid	ug/L	87.2		94.1		90.4	
13C5-Perfluorononanoic acid	ug/L	91.2		97.2		102.	
13C4-Perfluorooctanoic acid	ug/L	93.8		96.4		104.	
13C4-Perfluorooctanesulfonate	ug/L	92.0		95.0		99.0	
13C5-Perfluoropentanoic acid	ug/L	N/A*******		N/A*******		N/A*******	
13C8-Perfluorooctane Sulfonamide	ug/L	94.8		97.8		91.3	
18O2-Perfluorohexanesulfonate	ug/L	96.9		98.8		108.	

2017/03/06

PFOS and PFOA in water - Water
ug/L

Parameter Name	BLANK	DL	B732816 DXR292	DL	B733011 DXS244	DL	B733011 DXS245
6:2 Fluorotelomer sulfonate	0	0.8	43.90000	0.02	1.73000	0.8	117.00000
8:2 Fluorotelomer sulfonate	0	0.8	7.59000	0.02	1.05000	0.8	19.60000
N-ethylperfluorooctane sulfonamide	N/A*******	0.8	N/A*******	0.02	N/A*******	0.8	N/A*******
EtFOSAA	N/A*******	0.8	N/A*******	0.02	N/A*******	0.8	N/A*******
N-ethylperfluorooctane sulfonamidoe	N/A*******	0.8	N/A*******	0.02	N/A*******	0.8	N/A*******
N-methylperfluorooctane sulfonamide	N/A*******	0.8	N/A*******	0.02	N/A*******	0.8	N/A*******
MeFOSAA	N/A*******	0.8	N/A*******	0.02	N/A*******	0.8	N/A*******
N-methylperfluorooctanesulfonamidol	N/A*******	0.8	N/A*******	0.02	N/A*******	0.8	N/A*******
Perfluorobutanoic acid	0	0.8	3.02000	0.02	0	0.8	4.95000
Perfluorobutane Sulfonate (PFBS)	0	0.8	2.65000	0.02	0	0.8	1.99000
Perfluorodecane Sulfonate	0.07590	0.8	0.07760	0.02	0.12500	0.8	0.30900
Perfluoroheptanoic Acid (PFHpA)	0	0.8	2.66000	0.02	0.07410	0.8	3.95000
Perfluoroheptane sulfonate	0	0.8	1.22000	0.02	N/A*******	0.8	N/A*******
Perfluorohexanoic Acid (PFHxA)	0	0.8	13.20000	0.02	0.27900	0.8	21.40000
Perfluorohexane Sulfonate (PFHxS)	0	0.8	26.70000	0.02	0.63100	0.8	35.50000
Perfluorononanoic Acid (PFNA)	0	0.8	0.36200	0.02	0.03220	0.8	0.63800
Perfluorooctane Sulfonamide (PFOSA)	0	0.8	0.65900	0.02	0.15100	0.8	0.96600
Perfluoropentanoic Acid (PFPeA)	0	0.8	10.40000	0.02	0.49400	0.8	22.80000
Perfluorotetradecanoic Acid	0	0.8	0	0.02	0	0.8	0
Perfluorotridecanoic Acid	0	0.8	0	0.02	0	0.8	0
Perfluoroundecanoic Acid (PFUnA)	0	0.8	0	0.02	0	0.8	0
Perfluorodecanoic Acid (PFDA)	0	0.8	0	0.02	0	0.8	0.11600
Perfluorododecanoic Acid (PFDoA)	0	0.8	0	0.02	0	0.8	0
Perfluoro-n-Octanoic Acid (PFOA)	0	0.8	7.69000	0.02	0.16200	0.8	7.04000
Perfluorooctane Sulfonate (PFOS)	0	0.8	44.30000	0.02	5.84000	0.8	173.00000
13C2-6:2 Fluorotelomer sulfonate	103.		104.		N/A*******		N/A*******
13C2-8:2 Fluorotelomer sulfonate	99.4		96.4		N/A*******		N/A*******
13C2-perfluorotetradecanoic acid	74.2		!! 52.1		N/A*******		N/A*******
13C4-Perfluorobutanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C6-Perfluorohexanoic Acid	106.		108.		N/A*******		N/A*******
13C9-Perfluorodecanoic Acid	106.		102.		N/A*******		N/A*******
N-methyl-d3-perfluorooctane sulfona	N/A*******		N/A*******		N/A*******		N/A*******
N-ethyl-d5-perfluorooctane sulfonam	N/A*******		N/A*******		N/A*******		N/A*******
13C2-Perfluorodecanoic acid	93.0		108.		N/A*******		N/A*******
13C2-Perfluorododecanoic acid	92.6		83.5		N/A*******		N/A*******
13C2-Perfluorohexanoic acid	95.4		90.1		N/A*******		N/A*******
13C2-Perfluoroundecanoic acid	98.6		97.3		N/A*******		N/A*******
13C4-Perfluoroheptanoic acid	91.8		95.1		N/A*******		N/A*******
13C5-Perfluorononanoic acid	97.3		93.8		N/A*******		N/A*******
13C4-Perfluorooctanoic acid	91.9		98.6		103.		104.
13C4-Perfluorooctanesulfonate	94.4		97.9		105.		93.0
13C5-Perfluoropentanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C8-Perfluorooctane Sulfonamide	91.0		97.3		91.3		96.6
18O2-Perfluorohexanesulfonate	99.6		97.1		N/A*******		N/A*******

PFOS and PFOA in water - Water
ug/L

Parameter Name	DL	B733011 DXS246	DL	B733011 DXS247	DL	B733011 DXS248	DL
6:2 Fluorotelomer sulfonate	8.0	70.70000	8.0	16.80000	0.8	145.00000	8.0
8:2 Fluorotelomer sulfonate	0.8	12.40000	0.8	1.71000	0.8	7.17000	0.8
N-ethylperfluorooctane sulfonamide	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
EtFOSAA	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
N-ethylperfluorooctane sulfonamidoe	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
N-methylperfluorooctane sulfonamide	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
MeFOSAA	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
N-methylperfluorooctanesulfonamidol	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
Perfluorobutanoic acid	0.8	1.68000	0.8	0.51700	0.8	6.83000	0.8
Perfluorobutane Sulfonate (PFBS)	0.8	0.66800	0.8	0.35100	0.8	8.33000	0.8
Perfluorodecane Sulfonate	0.8	0.10900	0.8	0.10700	0.8	0.13400	0.8
Perfluoroheptanoic Acid (PFHpA)	0.8	2.40000	0.8	0.77700	0.8	6.64000	0.8
Perfluoroheptane sulfonate	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8
Perfluorohexanoic Acid (PFHxA)	0.8	10.70000	0.8	3.63000	0.8	41.20000	8.0
Perfluorohexane Sulfonate (PFHxS)	0.8	17.80000	0.8	4.68000	0.8	85.10000	8.0
Perfluorononanoic Acid (PFNA)	0.8	0.46800	0.8	0.09290	0.8	0.28900	0.8
Perfluorooctane Sulfonamide (PFOSA)	0.8	0.50100	0.8	0.21100	0.8	1.94000	0.8
Perfluoropentanoic Acid (PFPeA)	0.8	8.83000	0.8	3.33000	0.8	22.00000	0.8
Perfluorotetradecanoic Acid	0.8	0	0.8	0	0.8	0	0.8
Perfluorotridecanoic Acid	0.8	0	0.8	0	0.8	0	0.8
Perfluoroundecanoic Acid (PFUnA)	0.8	0	0.8	0	0.8	0	0.8
Perfluorodecanoic Acid (PFDA)	0.8	0	0.8	0	0.8	0	0.8
Perfluorododecanoic Acid (PFDoA)	0.8	0	0.8	0	0.8	0	0.8
Perfluoro-n-Octanoic Acid (PFOA)	0.8	4.74000	0.8	1.07000	0.8	9.32000	0.8
Perfluorooctane Sulfonate (PFOS)	8.0	154.00000	8.0	22.80000	0.8	179.00000	8.0
13C2-6:2 Fluorotelomer sulfonate		N/A*******		N/A*******		N/A*******	
13C2-8:2 Fluorotelomer sulfonate		N/A*******		N/A*******		N/A*******	
13C2-perfluorotetradecanoic acid		N/A*******		N/A*******		N/A*******	
13C4-Perfluorobutanoic acid		N/A*******		N/A*******		N/A*******	
13C6-Perfluorohexanoic Acid		N/A*******		N/A*******		N/A*******	
13C9-Perfluorodecanoic Acid		N/A*******		N/A*******		N/A*******	
N-methyl-d3-perfluorooctane sulfona		N/A*******		N/A*******		N/A*******	
N-ethyl-d5-perfluorooctane sulfonam		N/A*******		N/A*******		N/A*******	
13C2-Perfluorodecanoic acid		N/A*******		N/A*******		N/A*******	
13C2-Perfluorododecanoic acid		N/A*******		N/A*******		N/A*******	
13C2-Perfluorohexanoic acid		N/A*******		N/A*******		N/A*******	
13C2-Perfluoroundecanoic acid		N/A*******		N/A*******		N/A*******	
13C4-Perfluoroheptanoic acid		N/A*******		N/A*******		N/A*******	
13C5-Perfluorononanoic acid		N/A*******		N/A*******		N/A*******	
13C4-Perfluorooctanoic acid		110.		102.		97.2	
13C4-Perfluorooctanesulfonate		102.		110.		106.	
13C5-Perfluoropentanoic acid		N/A*******		N/A*******		N/A*******	
13C8-Perfluorooctane Sulfonamide		95.7		93.9		103.	
18O2-Perfluorohexanesulfonate		N/A*******		N/A*******		N/A*******	

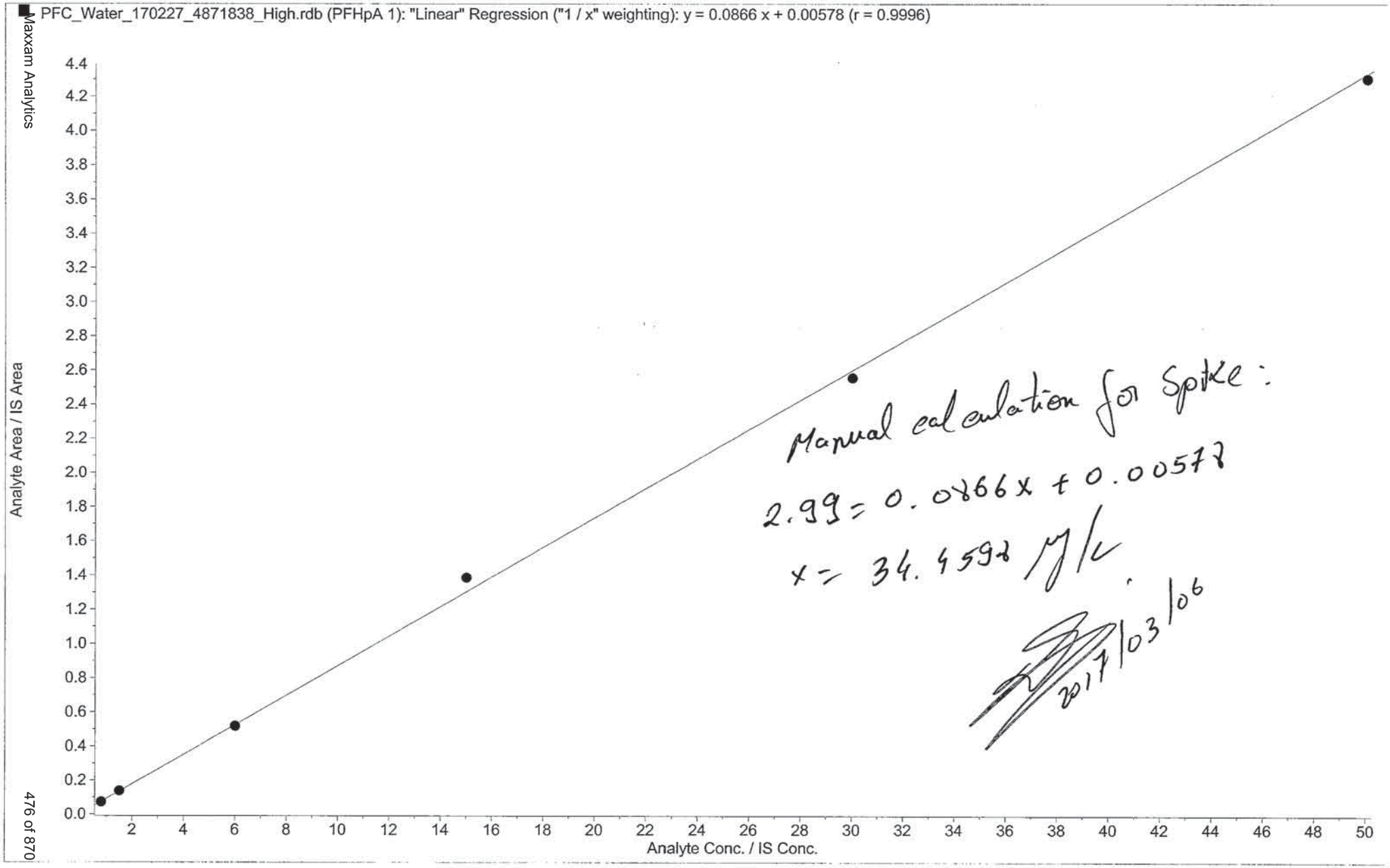
PFOS and PFOA in water - Water
ug/L

Parameter Name	B733011 DXS249	DL	B733011 DXS250	DL	B733011 DXS251	DL	B733011 DXS252
6:2 Fluorotelomer sulfonate	176.00000	8.0	12.20000	0.8	13.20000	0.8	1.03000
8:2 Fluorotelomer sulfonate	2.48000	0.8	1.05000	0.8	1.82000	0.8	0
N-ethylperfluorooctane sulfonamide	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******
EtFOSAA	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******
N-ethylperfluorooctane sulfonamidoe	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******
N-methylperfluorooctane sulfonamide	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******
MeFOSAA	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******
N-methylperfluorooctanesulfonamidol	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******
Perfluorobutanoic acid	11.30000	0.8	0	0.8	0	0.8	0.19200
Perfluorobutane Sulfonate (PFBS)	10.50000	0.8	0.40100	0.8	0.73500	0.8	0.21000
Perfluorodecane Sulfonate	0.12600	0.8	0.08950	0.8	0.09270	0.8	0.09470
Perfluoroheptanoic Acid (PFHpA)	8.74000	0.8	0.28400	0.8	0.80700	0.8	0.10600
Perfluoroheptane sulfonate	N/A*******	0.8	N/A*******	0.8	N/A*******	0.8	N/A*******
Perfluorohexanoic Acid (PFHxA)	58.40000	8.0	2.81000	0.8	5.02000	0.8	0.56300
Perfluorohexane Sulfonate (PFHxS)	203.00000	8.0	4.15000	0.8	10.40000	0.8	2.61000
Perfluorononanoic Acid (PFNA)	0.29200	0.8	0.10300	0.8	0.07300	0.8	0.10300
Perfluorooctane Sulfonamide (PFOSA)	0.27200	0.8	0.17300	0.8	0.47900	0.8	0.00730
Perfluoropentanoic Acid (PFPeA)	27.20000	0.8	2.03000	0.8	4.30000	0.8	0.76600
Perfluorotetradecanoic Acid	0	0.8	0	0.8	0	0.8	0
Perfluorotridecanoic Acid	0	0.8	0	0.8	0	0.8	0
Perfluoroundecanoic Acid (PFUnA)	0	0.8	0	0.8	0	0.8	0
Perfluorodecanoic Acid (PFDA)	0	0.8	0	0.8	0	0.8	0
Perfluorododecanoic Acid (PFDoA)	0	0.8	0	0.8	0	0.8	0
Perfluoro-n-Octanoic Acid (PFOA)	20.50000	0.8	0.61100	0.8	1.24000	0.8	0.48700
Perfluorooctane Sulfonate (PFOS)	295.00000	8.0	25.80000	0.8	39.50000	0.8	27.10000
13C2-6:2 Fluorotelomer sulfonate	N/A*******		N/A*******		N/A*******		N/A*******
13C2-8:2 Fluorotelomer sulfonate	N/A*******		N/A*******		N/A*******		N/A*******
13C2-perfluorotetradecanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C4-Perfluorobutanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C6-Perfluorohexanoic Acid	N/A*******		N/A*******		N/A*******		N/A*******
13C9-Perfluorodecanoic Acid	N/A*******		N/A*******		N/A*******		N/A*******
N-methyl-d3-perfluorooctane sulfona	N/A*******		N/A*******		N/A*******		N/A*******
N-ethyl-d5-perfluorooctane sulfonam	N/A*******		N/A*******		N/A*******		N/A*******
13C2-Perfluorodecanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C2-Perfluorododecanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C2-Perfluorohexanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C2-Perfluoroundecanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C4-Perfluoroheptanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C5-Perfluorononanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C4-Perfluorooctanoic acid	81.1		103.		111.		105.
13C4-Perfluorooctanesulfonate	112.		102.		107.		100.
13C5-Perfluoropentanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C8-Perfluorooctane Sulfonamide	99.9		101.		97.7		97.6
18O2-Perfluorohexanesulfonate	N/A*******		N/A*******		N/A*******		N/A*******

Worksheet Number: **4871838**

PFOS and PFOA in water - Water
ug/L

Parameter Name	DL	B733011 DXS253	DL	RDL	MDL	IDL	
6:2 Fluorotelomer sulfonate	0.8	1.53000	0.8	0.02	0.0065	0	
8:2 Fluorotelomer sulfonate	0.8	1.19000	0.8	0.02	0.0055	0	
N-ethylperfluorooctane sulfonamide	0.8	N/A*******	0.8	0.02	0.0053	0	
EtFOSAA	0.8	N/A*******	0.8	0.02	0.004	0	
N-ethylperfluorooctane sulfonamidoe	0.8	N/A*******	0.8	0.02	0.0049	0	
N-methylperfluorooctane sulfonamide	0.8	N/A*******	0.8	0.02	0.004	0	
MeFOSAA	0.8	N/A*******	0.8	0.02	0.0043	0	
N-methylperfluorooctanesulfonamidol	0.8	N/A*******	0.8	0.02	0.0061	0	
Perfluorobutanoic acid	0.8	0	0.8	0.02	0.0066	0	
Perfluorobutane Sulfonate (PFBS)	0.8	0	0.8	0.02	0.0019	0	
Perfluorodecane Sulfonate	0.8	0.11200	0.8	0.02	0.0043	0	
Perfluoroheptanoic Acid (PFHpA)	0.8	0.07590	0.8	0.02	0.0047	0	
Perfluoroheptane sulfonate	0.8	N/A*******	0.8	0.02	0.0036	0	
Perfluorohexanoic Acid (PFHxA)	0.8	0.27700	0.8	0.02	0.0046	0	
Perfluorohexane Sulfonate (PFHxS)	0.8	0.58200	0.8	0.02	0.004	0	
Perfluorononanoic Acid (PFNA)	0.8	0.04670	0.8	0.02	0.0046	0	
Perfluorooctane Sulfonamide (PFOSA)	0.8	0.14600	0.8	0.02	0.0058	0	
Perfluoropentanoic Acid (PFPeA)	0.8	0.42800	0.8	0.02	0.0036	0	
Perfluorotetradecanoic Acid	0.8	0	0.8	0.02	0.0052	0	
Perfluorotridecanoic Acid	0.8	0	0.8	0.02	0.0032	0	
Perfluoroundecanoic Acid (PFUnA)	0.8	0	0.8	0.02	0.0037	0	
Perfluorodecanoic Acid (PFDA)	0.8	0	0.8	0.02	0.0066	0	
Perfluorododecanoic Acid (PFDoA)	0.8	0	0.8	0.02	0.0057	0	
Perfluoro-n-Octanoic Acid (PFOA)	0.8	0.13800	0.8	0.02	0.0053	0	
Perfluorooctane Sulfonate (PFOS)	0.8	5.99000	0.8	0.02	0.0033	0	
13C2-6:2 Fluorotelomer sulfonate		N/A*******					
13C2-8:2 Fluorotelomer sulfonate		N/A*******					
13C2-perfluorotetradecanoic acid		N/A*******					
13C4-Perfluorobutanoic acid		N/A*******					
13C6-Perfluorohexanoic Acid		N/A*******					
13C9-Perfluorodecanoic Acid		N/A*******					
N-methyl-d3-perfluorooctane sulfona		N/A*******					
N-ethyl-d5-perfluorooctane sulfonam		N/A*******					
13C2-Perfluorodecanoic acid		N/A*******					
13C2-Perfluorododecanoic acid		N/A*******					
13C2-Perfluorohexanoic acid		N/A*******					
13C2-Perfluoroundecanoic acid		N/A*******					
13C4-Perfluoroheptanoic acid		N/A*******					
13C5-Perfluorononanoic acid		N/A*******					
13C4-Perfluorooctanoic acid		99.1					
13C4-Perfluorooctanesulfonate		99.9					
13C5-Perfluoropentanoic acid		N/A*******					
13C8-Perfluorooctane Sulfonamide		89.1					
18O2-Perfluorohexanesulfonate		N/A*******					

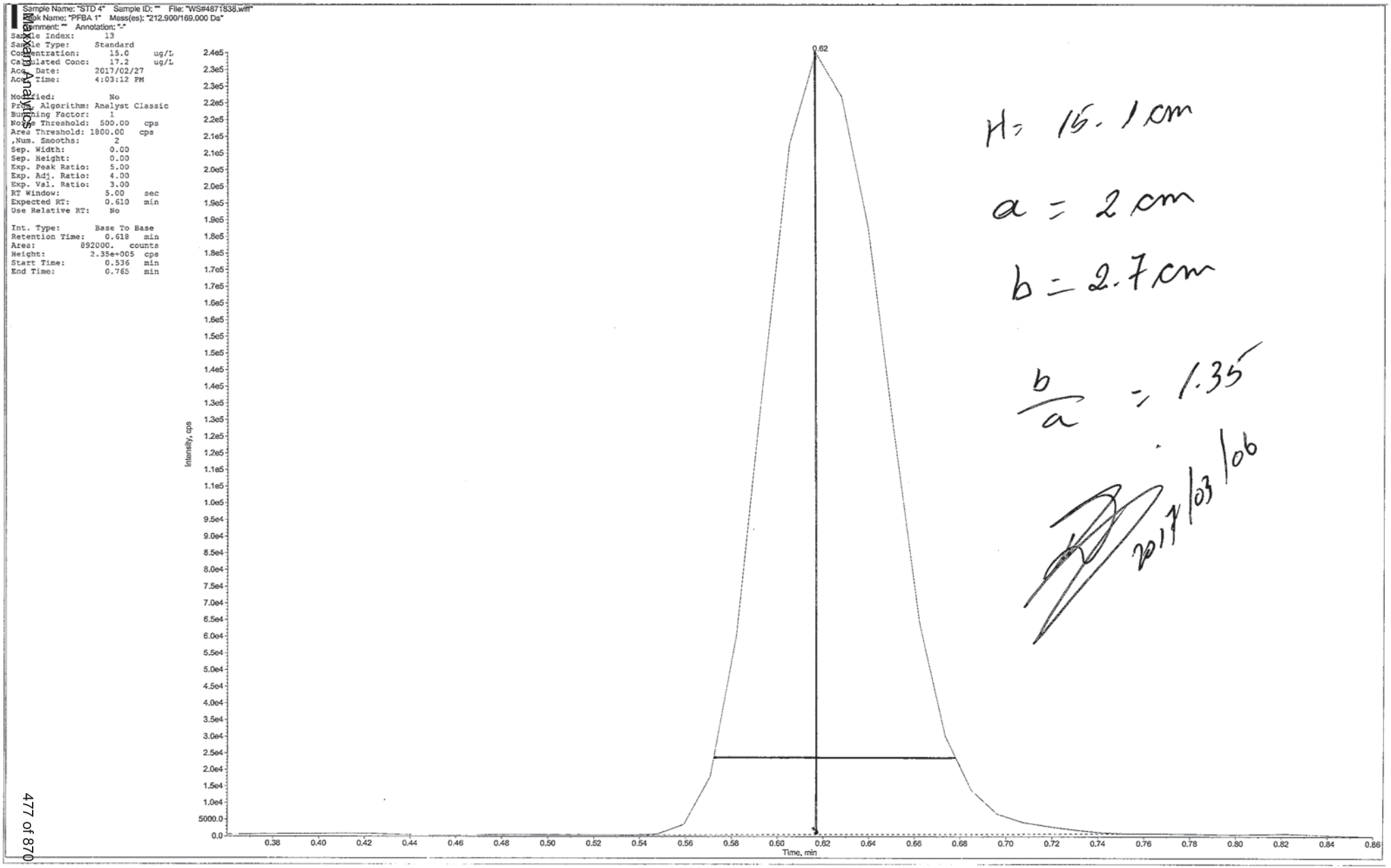


Manual calculation for Spike:

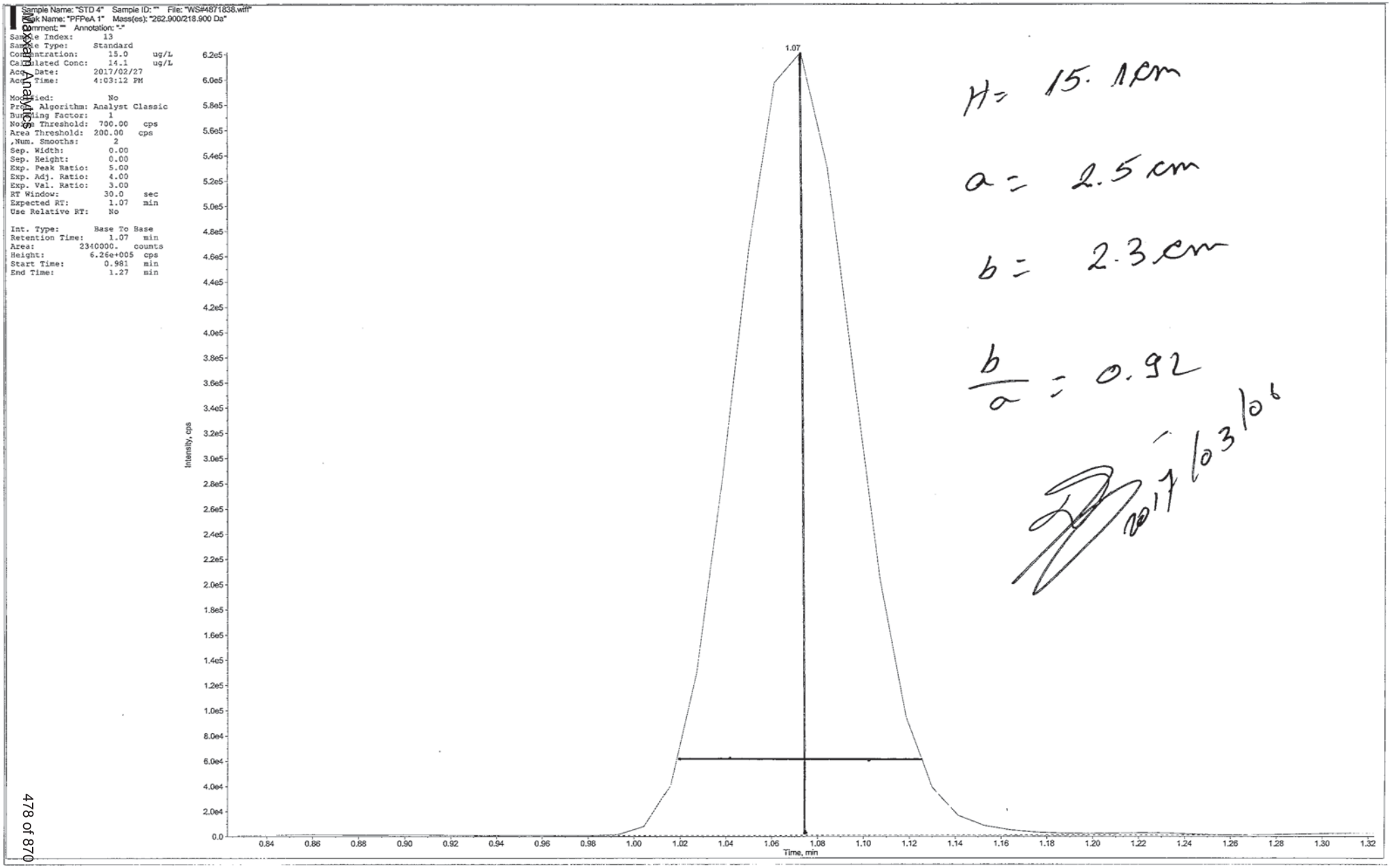
$2.99 = 0.0866x + 0.00578$

$x = 34.4592$ µg/L

2017/03/06



AB SCIEX Analyst



Maxxam Analytics

478 of 870

Report Name: Worksheet - Parameter Lists

Report Date: 2017/02/22

Test Code: **PFOSALCM-W**

Worksheet Number: **4871838**

Sample Number	Parameter	
DXR289-01	6:2 Fluorotelomer sulfonate	*
DXR290-01	8:2 Fluorotelomer sulfonate	*
DXR291-01	EtFOSAA	*
DXR292-01	MeFOSAA	*
DXR293-01	Perfluorobutane Sulfonate (PFBS)	
DXR294-01	Perfluorodecanoic Acid (PFDA)	
	Perfluorododecanoic Acid (PFDoA)	
	Perfluoroheptanoic Acid (PFHpA)	
	Perfluorohexanoic Acid (PFHxA)	
	Perfluorohexane Sulfonate (PFHxS)	
	Perfluorononanoic Acid (PFNA)	
	Perfluoro-n-Octanoic Acid (PFOA)	
	Perfluorooctane Sulfonate (PFOS)	
	Perfluorotetradecanoic Acid	
	Perfluorotridecanoic Acid	
	Perfluoroundecanoic Acid (PFUnA)	
DXS244-01	6:2 Fluorotelomer sulfonate	*
DXS245-01	8:2 Fluorotelomer sulfonate	*
DXS246-01	Perfluorobutanoic acid	
DXS247-01	Perfluorobutane Sulfonate (PFBS)	
DXS248-01	Perfluorodecanoic Acid (PFDA)	
DXS249-01	Perfluorododecanoic Acid (PFDoA)	
DXS250-01	Perfluorodecane Sulfonate	
DXS251-01	Perfluoroheptanoic Acid (PFHpA)	
DXS252-01	Perfluoroheptane sulfonate	
DXS253-01	Perfluorohexanoic Acid (PFHxA)	
	Perfluorohexane Sulfonate (PFHxS)	
	Perfluorononanoic Acid (PFNA)	
	Perfluoro-n-Octanoic Acid (PFOA)	
	Perfluorooctane Sulfonate (PFOS)	
	Perfluorooctane Sulfonamide (PFOSA)	
	Perfluoropentanoic Acid (PFPeA)	
	Perfluorotetradecanoic Acid	
	Perfluorotridecanoic Acid	
	Perfluoroundecanoic Acid (PFUnA)	
DXU298-01	6:2 Fluorotelomer sulfonate	*
	8:2 Fluorotelomer sulfonate	*
	N-ethylperfluorooctane sulfonamide	*
	EtFOSAA	*

* - This parameter is usually off, but will be reported for this group of samples!

Report Name: Worksheet - Parameter Lists
Report Date: 2017/02/22

Test Code: **PFOSALCM-W**
Worksheet Number: **4871838**

Sample Number	Parameter	
	N-ethylperfluorooctane sulfonamidoe	*
	N-methylperfluorooctane sulfonamide	*
	MeFOSAA	*
	N-methylperfluorooctanesulfonamidol	*
	Perfluorobutanoic acid	
	Perfluorobutane Sulfonate (PFBS)	
	Perfluorodecanoic Acid (PFDA)	
	Perfluorododecanoic Acid (PFDoA)	
	Perfluorodecane Sulfonate	
	Perfluoroheptanoic Acid (PFHpA)	
	Perfluoroheptane sulfonate	
	Perfluorohexanoic Acid (PFHxA)	
	Perfluorohexane Sulfonate (PFHxS)	
	Perfluorononanoic Acid (PFNA)	
	Perfluoro-n-Octanoic Acid (PFOA)	
	Perfluorooctane Sulfonate (PFOS)	
	Perfluorooctane Sulfonamide (PFOSA)	
	Perfluoropentanoic Acid (PFPeA)	
	Perfluorotetradecanoic Acid	
	Perfluorotridecanoic Acid	
	Perfluoroundecanoic Acid (PFUnA)	

* - This parameter is usually off, but will be reported for this group of samples!

1.	4871838:MTRX SPK	MTRX SPK
2.	4871838:MTRX SPK:D1	MTRX SPK :D1
3.	4871838:SPIKE	SPIKE
4.	4871838:BLANK	BLANK
5.	4871838:DXR289-01	FRCHD01-DUP01
6.	4871838:DXR290-01	FRCHD01-GW-001
7.	4871838:DXR291-01	FRCHD01-GW-002
8.	4871838:DXR292-01	FRCHD01-GW-003
9.	4871838:DXR293-01	FRCHD01-GW-004
10.	4871838:DXR294-01	FRCHD01-GW-005
11.	4871838:DXS244-01	[redacted]
12.	4871838:DXS245-01	
13.	4871838:DXS246-01	
14.	4871838:DXS247-01	
15.	4871838:DXS248-01	
16.	4871838:DXS249-01	
17.	4871838:DXS250-01	
18.	4871838:DXS251-01	
19.	4871838:DXS252-01	
20.	4871838:DXS253-01	
21.	4871838:DXU298-01 removed from WS SR 20170223	

Worksheet Reagent Tracking Record Worksheet # 4871838

Surrogate/Spike solutions	√	Solution ID #	Conc.	Volume (µL) Blk-Spk Solid	Blk-Spk Liquid	MS Solid	MS Liquid	Samples Solid	Samples Liquid
DGT Spike			100 ug/mL	60	30	60	30	NA	NA
Diquat Dibromide			50 ug/mL	NA	350	NA	350	NA	NA
Explosives Spiking solution A			20 ug/mL	250	100	250	100	NA	NA
Explosives Spiking solution B			20/80 ug/mL	250	100	250	100	NA	NA
Formaldehyde Spike			100 ug/mL	25	25	25	25	NA	NA
Glyphosate Spike			25 ug/mL	500	20	500	20	NA	NA
Nonylphenol Ethoxylate Spike			100 ug/mL	100	100	100	100	NA	NA
Nonylphenol Spike			10 ug/mL	100	100	100	100	NA	NA
Paraquat Cl Tetrahydrate			20 ug/mL	NA	125	NA	125	NA	NA
Perchlorate Standard Spike			10 ng/mL	NA	100	NA	100	NA	NA
Perchlorate Standard Spike			500 ng/mL	40	NA	40	NA	NA	NA
Perchlorate O-18 Internal Standard			0.10 ng/uL	20	20	20	20	20	20
Morpholine Second Source Working Std			2500 ug/L	NA	80	NA	80	NA	NA
Morpholine-D8 Internal Standard			10 ug/mL	NA	50	NA	50	NA	50
Steril Second Source Spiking Solution			NA	20	NA	20	NA	NA	NA
Sterilants Comp. IS Working Solution			3 ug/mL	50	NA	50	NA	50	NA
Comp. PFC Working Solution A	✓	I-4917	1ug/mL	75	21 / 62.5	75	21 / 62.5	NA	NA
PFC Internal Standard Solution	✓	SI-6360 (1/4)	50/125 ng/mL	200	100 / 150	200	100 / 150	200	100/150
PFC Injection IS	✓	SI-6345 (1/4)	~~400~~ 100 ng/mL	20	20	20	20	20	20
ICV	✓	I-4917	1ug/ml		21				

Solvent/Reagent	√	Lot No.	Date Opened	Solvent/Reagent	√	Lot No.	Date Opened/ Prepared
DCM				50% NaOH			
Ottawa Sand				o-Phosphoric Acid			
Methanol	✓	SHBN7061	2017/02/21	Borax			
2-Propanol (IPA)				Calcium Chloride			
Acetonitrile				EDTA			
Sodium Sulfate				Phosphate Buffer			
70:30 Methanol: Water				Sodium Thiosulphate			
60:40 Water: Methanol				DNPH			
DCM:Ethyl Ether (75:25)				FMOC			
Hexane:IPA (98:2)				5M Acetate Buffer			
2% Formic Acid				0.2% NH_4OH			
0.2% Formic Acid				Leachate Fluid			
0.05M KOH				Reagent Water	✓	56190	2017/02/22
0.05M HCl							

*Spiked by: VR

Spike Date: 2017/02/22

Spike Syringe/Pipette ID#: H32773F

Int. Std Syringe/Pipette ID#: H32773F

*Spiking Witnessed by: SK

Final pH:

Equipment & ID	√	Equipment	ID#	√	Equipment	Lot #	Bottle Tracking
Pipettor M17485E, H32773F, K25948F	✓	SPE Cartridge			QC Balance ID		Bottle#
		Filter			Thermometer ID &Temp		Cap#
Dispenser		Centrifuge					Systems plus Lot#
		Sonicator					

Comments:

* - SPIKING OF QC's & SAMPLES MUST BE WITNESSED AT ALL TIMES.

Worksheet: # 4871838

Dilution and Column Cleanup Worksheet

Job Number	Sample ID	Sample: Initial Final Volume	Dilution Required	Sample added mL (ml)	Solvent Added mL (ml)	Int Stan Added uL	New Effective Final Volume	INITIAL DATE	Column Clean Up
B732816	DXR 289-01	1X	10X	50	450	—	500	LR 2017/02/22	—
B732816	DXR 290-01	1X	10X	50	450	—	500	LR 2017/02/22	—
B732816	DXR 291-01	1X	10X	50	450	—	500	LR 2017/02/22	—
B732816	DXR 292-01	1X	10X	50	450	—	500	LR 2017/02/22	—
B732816	DXR 293-01	1X	10X	50	450	—	500	LR 2017/02/22	—
B732816	DXR 294-01	1X	10X	50	450	—	500	LR 2017/02/22	—
B733011	DXS 245-01	1X	10X	50	450	—	500	LR 2017/02/22	—
B733011	DXS 246-01	1X	10X	50	450	—	500	LR 2017/02/22	—
B733011	DXS 248-01	1X	10X	50	450	—	500	LR	—
B733439	DXS 249-01	1X	10X	50	450	—	500	LR	—
—	—	—	—	—	—	—	—	—	—

LR 2017/02/22

Diluent → 4.5 ml LCMS H2O + 3 ml MeOH + 0.6 ml I-S

Project: D:\Analyst Data\Projects\Enviro\PFOS Batch:PFC_170227A Tab:Sample Set:SET1 AcqMethod:PFC_Water_Hgh.dam
Sample

	Sample Name	Rack Code	Rack Position	Plate Code	Plate Position	Vial Position	Data File	Inj.Volume (µl)
1	RINSE	2 Well Plates	1	*54VialPlate*	2	1	PFC_170227\WS#4871838	3.000
2	4871838~BLANK	2 Well Plates	1	*54VialPlate*	2	2	PFC_170227\WS#4871838	3.000
3	STD 1	2 Well Plates	1	*54VialPlate*	2	3	PFC_170227\WS#4871838	3.000
4	STD 2	2 Well Plates	1	*54VialPlate*	2	4	PFC_170227\WS#4871838	3.000
5	STD 3	2 Well Plates	1	*54VialPlate*	2	5	PFC_170227\WS#4871838	3.000
6	STD 4	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838	3.000
7	STD 5	2 Well Plates	1	*54VialPlate*	2	7	PFC_170227\WS#4871838	3.000
8	STD 6	2 Well Plates	1	*54VialPlate*	2	8	PFC_170227\WS#4871838	3.000
9	ICV	2 Well Plates	1	*54VialPlate*	2	9	PFC_170227\WS#4871838	3.000
10	CCV	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838	3.000
11	4871838~MTRX SPK	2 Well Plates	1	*54VialPlate*	2	10	PFC_170227\WS#4871838	3.000
12	4871838~MTRX SPK:D1	2 Well Plates	1	*54VialPlate*	2	11	PFC_170227\WS#4871838	3.000
13	4871838~SPIKE	2 Well Plates	1	*54VialPlate*	2	12	PFC_170227\WS#4871838	3.000
14	4871838~DXR289-01 (10x)	2 Well Plates	1	*54VialPlate*	2	13	PFC_170227\WS#4871838	3.000
15	4871838~DXR290-01 (10x)	2 Well Plates	1	*54VialPlate*	2	14	PFC_170227\WS#4871838	3.000
16	4871838~DXR291-01 (10x)	2 Well Plates	1	*54VialPlate*	2	15	PFC_170227\WS#4871838	3.000
17	4871838~DXR292-01 (10x)	2 Well Plates	1	*54VialPlate*	2	16	PFC_170227\WS#4871838	3.000
18	4871838~DXR293-01 (10x)	2 Well Plates	1	*54VialPlate*	2	17	PFC_170227\WS#4871838	3.000
19	4871838~DXR294-01 (10x)	2 Well Plates	1	*54VialPlate*	2	18	PFC_170227\WS#4871838	3.000
20	4871838~DXS244-01	2 Well Plates	1	*54VialPlate*	2	19	PFC_170227\WS#4871838	3.000
21	4871838~DXS245-01 (10x)	2 Well Plates	1	*54VialPlate*	2	20	PFC_170227\WS#4871838	3.000
22	4871838~DXS246-01 (10x)	2 Well Plates	1	*54VialPlate*	2	21	PFC_170227\WS#4871838	3.000
23	4871838~DXS247-01	2 Well Plates	1	*54VialPlate*	2	22	PFC_170227\WS#4871838	3.000
24	CCV	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838	3.000
25	4871838~DXS248-01 (10x)	2 Well Plates	1	*54VialPlate*	2	23	PFC_170227\WS#4871838	3.000
26	4871838~DXS249-01 (10x)	2 Well Plates	1	*54VialPlate*	2	24	PFC_170227\WS#4871838	3.000
27	4871838~DXS250-01	2 Well Plates	1	*54VialPlate*	2	25	PFC_170227\WS#4871838	3.000
28	4871838~DXS251-01	2 Well Plates	1	*54VialPlate*	2	26	PFC_170227\WS#4871838	3.000
29	4871838~DXS252-01	2 Well Plates	1	*54VialPlate*	2	27	PFC_170227\WS#4871838	3.000
30	4871838~DXS253-01	2 Well Plates	1	*54VialPlate*	2	28	PFC_170227\WS#4871838	3.000
31	CCV	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838	3.000
32	4871838~DXR289-01	2 Well Plates	1	*54VialPlate*	2	29	PFC_170227\WS#4871838	3.000
33	4871838~DXR290-01	2 Well Plates	1	*54VialPlate*	2	30	PFC_170227\WS#4871838	3.000
34	4871838~DXR291-01	2 Well Plates	1	*54VialPlate*	2	31	PFC_170227\WS#4871838	3.000
35	4871838~DXR292-01	2 Well Plates	1	*54VialPlate*	2	32	PFC_170227\WS#4871838	3.000
36	4871838~DXR293-01	2 Well Plates	1	*54VialPlate*	2	33	PFC_170227\WS#4871838	3.000
37	4871838~DXR294-01	2 Well Plates	1	*54VialPlate*	2	34	PFC_170227\WS#4871838	3.000
38	4871838~DXS245-01	2 Well Plates	1	*54VialPlate*	2	35	PFC_170227\WS#4871838	3.000
39	4871838~DXS246-01	2 Well Plates	1	*54VialPlate*	2	36	PFC_170227\WS#4871838	3.000
40	4871838~DXS248-01	2 Well Plates	1	*54VialPlate*	2	37	PFC_170227\WS#4871838	3.000
41	4871838~DXS249-01	2 Well Plates	1	*54VialPlate*	2	38	PFC_170227\WS#4871838	3.000
42	CCV	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838	3.000

Colm # 164
MPA= Sch # 32, FSREB
MPSC: MEOH, Sysm CLN 2/28/2017
on
2017/02/27

Verified by 2017/03/27

Project: D:\Analyst Data\Projects\Enviro\PFOS Batch:PFC_170227A_FOSAA Tab:Sample Set:SET1 AcqMethod:PFC_Water_High_FOSAA.dam
Sample

	Sample Name	Rack Code	Rack Position	Plate Code	Plate Position	Vial Position	Data File	Inj.Volume (µl)
1	RINSE	2 Well Plates	1	*54VialPlate*	2	1	PFC_170227\WS#4871838_FOSAA	2.000
2	4871838~BLANK	2 Well Plates	1	*54VialPlate*	2	2	PFC_170227\WS#4871838_FOSAA	2.000
3	STD 1	2 Well Plates	1	*54VialPlate*	2	3	PFC_170227\WS#4871838_FOSAA	2.000
4	STD 2	2 Well Plates	1	*54VialPlate*	2	4	PFC_170227\WS#4871838_FOSAA	2.000
5	STD 3	2 Well Plates	1	*54VialPlate*	2	5	PFC_170227\WS#4871838_FOSAA	2.000
6	STD 4	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838_FOSAA	2.000
7	STD 5	2 Well Plates	1	*54VialPlate*	2	7	PFC_170227\WS#4871838_FOSAA	2.000
8	STD 6	2 Well Plates	1	*54VialPlate*	2	8	PFC_170227\WS#4871838_FOSAA	2.000
9	ICV	2 Well Plates	1	*54VialPlate*	2	9	PFC_170227\WS#4871838_FOSAA	2.000
10	CCV	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838_FOSAA	2.000
11	4871838~MTRX SPK	2 Well Plates	1	*54VialPlate*	2	10	PFC_170227\WS#4871838_FOSAA	2.000
12	4871838~MTRX SPK:D1	2 Well Plates	1	*54VialPlate*	2	11	PFC_170227\WS#4871838_FOSAA	2.000
13	4871838~SPKE	2 Well Plates	1	*54VialPlate*	2	12	PFC_170227\WS#4871838_FOSAA	2.000
14	4871838~DXR289-01 (10x)	2 Well Plates	1	*54VialPlate*	2	13	PFC_170227\WS#4871838_FOSAA	2.000
15	4871838~DXR290-01 (10x)	2 Well Plates	1	*54VialPlate*	2	14	PFC_170227\WS#4871838_FOSAA	2.000
16	4871838~DXR291-01 (10x)	2 Well Plates	1	*54VialPlate*	2	15	PFC_170227\WS#4871838_FOSAA	2.000
17	4871838~DXR292-01 (10x)	2 Well Plates	1	*54VialPlate*	2	16	PFC_170227\WS#4871838_FOSAA	2.000
18	4871838~DXR293-01 (10x)	2 Well Plates	1	*54VialPlate*	2	17	PFC_170227\WS#4871838_FOSAA	2.000
19	4871838~DXR294-01 (10x)	2 Well Plates	1	*54VialPlate*	2	18	PFC_170227\WS#4871838_FOSAA	2.000
20	CCV	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838_FOSAA	2.000
21	4871838~DXR289-01	2 Well Plates	1	*54VialPlate*	2	29	PFC_170227\WS#4871838_FOSAA	2.000
22	4871838~DXR290-01	2 Well Plates	1	*54VialPlate*	2	30	PFC_170227\WS#4871838_FOSAA	2.000
23	4871838~DXR291-01	2 Well Plates	1	*54VialPlate*	2	31	PFC_170227\WS#4871838_FOSAA	2.000
24	4871838~DXR292-01	2 Well Plates	1	*54VialPlate*	2	32	PFC_170227\WS#4871838_FOSAA	2.000
25	4871838~DXR293-01	2 Well Plates	1	*54VialPlate*	2	33	PFC_170227\WS#4871838_FOSAA	2.000
26	4871838~DXR294-01	2 Well Plates	1	*54VialPlate*	2	34	PFC_170227\WS#4871838_FOSAA	2.000
27	CCV	2 Well Plates	1	*54VialPlate*	2	6	PFC_170227\WS#4871838_FOSAA	2.000

Colun #164
WAC Sch #37, FOSEP
MBC Sch #764, FOSEP
on 2/28/17

Maxxam Analytics

	Sample ID	Sample Annotation	Acquisition Date	Acquisition Method	File Name	Rack Type	Rack Position	Vial Position	Plate Type	Plate Position
1	4871838~BLANK	-	2017/02/27 3:07:07 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	2	*54VialPlate*	2
2	STD 1	-	2017/02/27 3:47:55 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	3	*54VialPlate*	2
3	STD 2	-	2017/02/27 3:53:01 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	4	*54VialPlate*	2
4	STD 3	-	2017/02/27 3:58:06 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	5	*54VialPlate*	2
5	STD 4	-	2017/02/27 4:03:12 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2
6	STD 5	-	2017/02/27 4:08:17 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	7	*54VialPlate*	2
7	STD 6	-	2017/02/27 4:13:23 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	8	*54VialPlate*	2
8	ICV	-	2017/02/27 4:18:29 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	9	*54VialPlate*	2
9	CCV	-	2017/02/27 4:59:16 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2
10	4871838~MTRX SPK (DXR292)	Re-injected to confirm surrogate recovery	2017/02/27 5:04:22 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	10	*54VialPlate*	2
11	4871838~MTRX SPK:D1 (DXR292)	Re-injected to confirm surrogate recovery	2017/02/27 5:09:28 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	11	*54VialPlate*	2
12	4871838~SPIKE	Re-injected to confirm analyte recovery	2017/02/27 5:14:34 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	12	*54VialPlate*	2
13	4871838~DXR289-01 (10x)	Not Reported	2017/02/27 5:19:40 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	13	*54VialPlate*	2
14	4871838~DXR290-01 (10x)	Reported for PHxS, PFOS and 6:2-FTS.	2017/02/27 5:24:46 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	14	*54VialPlate*	2
15	4871838~DXR291-01 (10x)	Not Reported	2017/02/27 5:29:52 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	15	*54VialPlate*	2
16	4871838~DXR292-01 (10x)	Not Reported	2017/02/27 5:34:58 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	16	*54VialPlate*	2
17	4871838~DXR293-01 (10x)	Not Reported	2017/02/27 5:40:03 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	17	*54VialPlate*	2
18	4871838~DXR294-01 (10x)	Not Reported	2017/02/27 5:45:10 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	18	*54VialPlate*	2
19	4871838~DXS244-01	-	2017/02/27 5:50:16 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	19	*54VialPlate*	2
20	4871838~DXS245-01 (10x)	Reported for PFOS and 6:2-FTS only	2017/02/27 5:55:22 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	20	*54VialPlate*	2
21	4871838~DXS246-01 (10x)	Reported for PFOS and 6:2-FTS only	2017/02/27 6:00:28 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	21	*54VialPlate*	2
22	4871838~DXS247-01	-	2017/02/27 6:05:34 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	22	*54VialPlate*	2
23	CCV	-	2017/02/27 6:10:40 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2
24	4871838~DXS248-01 (10x)	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only	2017/02/27 6:25:57 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	23	*54VialPlate*	2
25	4871838~DXS249-01 (10x)	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only	2017/02/27 6:31:03 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	24	*54VialPlate*	2
26	4871838~DXS250-01	-	2017/02/27 6:36:08 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	25	*54VialPlate*	2
27	4871838~DXS251-01	-	2017/02/27 6:41:14 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	26	*54VialPlate*	2
28	4871838~DXS252-01	-	2017/02/27 6:46:20 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	27	*54VialPlate*	2
29	4871838~DXS253-01	-	2017/02/27 6:51:26 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	28	*54VialPlate*	2
30	CCV	-	2017/02/27 6:56:31 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2
31	4871838~DXR289-01	Re-injected to confirm surrogate recovery	2017/02/27 7:11:49 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	29	*54VialPlate*	2
32	4871838~DXR290-01	Re-injected to confirm surrogate recovery	2017/02/27 7:16:55 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	30	*54VialPlate*	2
33	4871838~DXR291-01	Re-injected to confirm surrogate recovery	2017/02/27 7:22:01 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	31	*54VialPlate*	2
34	4871838~DXR292-01	Re-injected to confirm surrogate recovery	2017/02/27 7:27:07 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	32	*54VialPlate*	2
35	4871838~DXR293-01	Re-injected to confirm surrogate recovery	2017/02/27 7:32:13 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	33	*54VialPlate*	2
36	4871838~DXR294-01	Re-injected to confirm surrogate recovery	2017/02/27 7:37:19 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	34	*54VialPlate*	2
37	4871838~DXS245-01	Reported for all analytes except PFOS and 6:2-FTS only	2017/02/27 7:42:25 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	35	*54VialPlate*	2
38	4871838~DXS246-01	Reported for all analytes except PFOS and 6:2-FTS only	2017/02/27 7:47:31 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	36	*54VialPlate*	2
39	4871838~DXS248-01	Reported for all analytes except PFHxA, PFHxS, PFOS and 6:2-FTS only	2017/02/27 7:52:37 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	37	*54VialPlate*	2
40	4871838~DXS249-01	Reported for all analytes except PFHxA, PFHxS, PFOS and 6:2-FTS only	2017/02/27 7:57:43 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	38	*54VialPlate*	2
41	CCV	-	2017/02/27 8:02:49 PM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2
42	CCV	-	2017/02/28 7:42:47 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2
43	4871838~DXR289-01	Re-injection, reported	2017/02/28 8:04:51 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	29	*54VialPlate*	2
44	4871838~DXR291-01	Re-injection, reported	2017/02/28 8:09:58 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	31	*54VialPlate*	2
45	4871838~DXR293-01	Re-injection, reported	2017/02/28 8:15:04 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	33	*54VialPlate*	2
46	4871838~DXR294-01	Re-injection, reported	2017/02/28 8:20:10 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	34	*54VialPlate*	2
47	4871838~DXR292-01	Re-injection, reported	2017/02/28 8:25:17 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	32	*54VialPlate*	2
48	4871838~DXR290-01	Re-injection, reported for all analytes except PHxS, PFOS and 6:2-FTS.	2017/02/28 8:30:23 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	30	*54VialPlate*	2
49	4871838~MTRX SPK (DXR292)	Re-injection, reported	2017/02/28 8:35:30 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	10	*54VialPlate*	2
50	4871838~MTRX SPK:D1 (DXR292)	Re-injection, reported	2017/02/28 8:40:36 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	11	*54VialPlate*	2
51	4871838~SPIKE	Re-injection, not reported	2017/02/28 8:45:42 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	12	*54VialPlate*	2
52	CCV	-	2017/02/28 8:50:48 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2
53	CCV	-	2017/02/28 9:04:46 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2
54	CCV	-	2017/02/28 9:09:52 AM	PFC_Water_High.dam	PFC_170227\WS#4871838.wiff	2 Well Plates	1	6	*54VialPlate*	2

Maxxam Analytics

	Sample ID	Sample Annotation	Acquisition Date	Acquisition Method	File Name	Rack Type	Rack Position	Vial Position	Plate Type	Plate Position
1	4871838~BLANK	-	2017/02/27 8:41:24 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	2	*54VialPlate*	2
2	STD 1	-	2017/02/27 8:43:59 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	3	*54VialPlate*	2
3	STD 2	-	2017/02/27 8:46:34 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	4	*54VialPlate*	2
4	STD 3	-	2017/02/27 8:49:08 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	5	*54VialPlate*	2
5	STD 4	-	2017/02/27 8:51:42 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	6	*54VialPlate*	2
6	STD 5	-	2017/02/27 8:54:17 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	7	*54VialPlate*	2
7	STD 6	-	2017/02/27 8:56:52 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	8	*54VialPlate*	2
8	ICV	-	2017/02/27 8:59:27 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	9	*54VialPlate*	2
9	CCV	-	2017/02/27 9:22:40 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	6	*54VialPlate*	2
10	4871838~MTRX SPK (DXR292)	-	2017/02/27 9:25:14 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	10	*54VialPlate*	2
11	4871838~MTRX SPK:D1 (DXR292)	-	2017/02/27 9:27:49 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	11	*54VialPlate*	2
12	4871838~SPIKE	-	2017/02/27 9:30:24 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	12	*54VialPlate*	2
13	4871838~DXR289-01 (10x)	Not reported	2017/02/27 9:32:59 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	13	*54VialPlate*	2
14	4871838~DXR290-01 (10x)	Not reported	2017/02/27 9:35:34 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	14	*54VialPlate*	2
15	4871838~DXR291-01 (10x)	Not reported	2017/02/27 9:38:09 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	15	*54VialPlate*	2
16	4871838~DXR292-01 (10x)	Not reported	2017/02/27 9:40:43 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	16	*54VialPlate*	2
17	4871838~DXR293-01 (10x)	Not reported	2017/02/27 9:43:18 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	17	*54VialPlate*	2
18	4871838~DXR294-01 (10x)	Not reported	2017/02/27 9:45:53 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	18	*54VialPlate*	2
19	CCV	-	2017/02/27 9:48:28 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	6	*54VialPlate*	2
20	4871838~DXR289-01	-	2017/02/27 9:51:03 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	29	*54VialPlate*	2
21	4871838~DXR290-01	-	2017/02/27 9:53:38 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	30	*54VialPlate*	2
22	4871838~DXR291-01	-	2017/02/27 9:56:13 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	31	*54VialPlate*	2
23	4871838~DXR292-01	-	2017/02/27 9:58:48 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	32	*54VialPlate*	2
24	4871838~DXR293-01	-	2017/02/27 10:01:23 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	33	*54VialPlate*	2
25	4871838~DXR294-01	-	2017/02/27 10:03:58 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	34	*54VialPlate*	2
26	CCV	-	2017/02/27 10:06:33 PM	PFC_Water_High_FOSAA.dam	PFC_170227\WS#4871838_FOSAA.wiff	2 Well Plates	1	6	*54VialPlate*	2

DoD Projects - Internal Data Validation Checklist

Run date: 2017/03/06

Worksheet # (s): 4872075

Analysis: PFOSALCM-W

	Primary review by the analyst - 1st 100 % analysis review	1st 100% review yes	no	n/a	*2nd 100% review
1	Sample analyses meet hold time criteria	✓			✓
2	Analysis set-up meets method criteria	✓			✓
3	Tuning and correct calibration used - criteria meets method criteria	✓			✓
4	SQC/Control Charts updated, analysis in statistical/method control	✓			✓
5	Internal area counts checked (if applicable)	✓			✓
6	LCS, SRM are within acceptance criteria	✓			✓
7	Surrogate Recovery(s) is within acceptance criteria	✓		J	✓
8	Method Blank meets acceptance criteria	✓			✓
9	Matrix Spike recovery(s) meets acceptance criteria			✓	✓
10	Duplicate precision meets acceptance criteria	✓			✓
11	QC is documented on the run logs	✓			✓
12	Runs checked for carryover	✓			✓
13	Prep log / worksheet(s) are present, signed / dated by a prep / instrument analysts	✓			✓
14	Initial weights, splits, impringer volumes (where applicable) are documented	✓			✓
15	Standards and reagents traceable to Certificates of Analysis	✓			✓
16	Samples above calibration range diluted and reanalyzed	✓			✓
17	Dilution factors (where justified) have been checked for correctness and entered	✓			✓
18	Analytical observations/anomalies documented in LIMS			✓	✓
19	Random calculation checked and in correct units	✓			✓
20	If corrective actions were applied they are documented, initialed & dated			✓	✓
21	Manual integration – before & after data with a reason included, initialed & dated			✓	✓
22	Transferred data is validated in LIMS for correctness	✓			✓
23	Data package assembled (where required)	✓			✓

Reviewed by: DZ Date: 2017/03/10

Comments:

	Secondary Supervisor/Qualified Data Review Staff - 2nd 100% verification review	yes	no	n/a
1	Repeats documented and referenced			✓
2	Method and sample deviations noted, anomalies described (if applicable)			✓
3	Data and QC validated in LIMS	✓		
4	Random calculation checked	✓		
5	Benchsheet (s) signed and dated	✓		
6	Data Package (if required) checked for completeness	✓		

Reviewed by: SV Date: 20170310

Comments:

*Note: 2nd 100% verification review documented by secondary qualified data review
Primary and Secondary Internal Data Review Check must be performed by a different person

Worksheet Data Validation Checklist - Extractable Organics

Worksheet # 4872075 Testcode: PFOSALCM-W

Sample Preparation		yes	no	n/a
1	Samples extracted within hold time	✓		
2	Client sample ID verified against Lab ID (waters & oils)	✓		
3	Parameter list and Client comments reviewed, (Spiking solutions matched to parameter list)	✓		
4	Height of sediment or if sample was decanted, recorded on worksheet	✓		
5	Method required QC processed with samples, maximum batch size = 20 client samples.	✓		
6	Sample, duplicate, matrix spike appear similar, initial sample as well as final extract	✓		
7	Sample weight or initial volume and extract final volume, aliquot factor clearly recorded.	✓		
8	If performed any additional dilution clearly recorded			✓
9	Matrix spike / Duplicate performed on IOL samples if present			✓
10	Spiking solutions valid (haven't expired), ID and volume used clearly identified on worksheet	✓		
11	Spiking process witnessed and signed off	✓		
12	Extraction type recorded (N3A2B = neutral, 3 x acidic, 2 x basic)			✓
13	Sample prep deviations documented within CompliantPro as a Policy Deviation			✓
14	Job Remarks reviewed on 2nd page of worksheet.	✓		
15	Worksheet and reagent tracking record completed and authorized.	✓		

Reviewed by: GSZ Date: 2017/02/22

Comments:

Worksheet Approval		yes	no	n/a
1	Verified the position of the vials in autosampler against sequence list; signed off sequence list			
2	Calibration and CCV standards valid (haven't expired)			
3	Initial calibration curve and DFTPP tune (if applicable) acceptable			
4	Continuing and Final CCV and DFTPP tune (if applicable) acceptable			
5	System performance check acceptable (if applicable)			
6	Internal standard responses acceptable			
7	Method blank meets acceptance criteria			
8	Lab Control Samples recoveries meets acceptance criteria			
9	Duplicate RPD meets acceptance criteria			
10	Matrix spike recoveries meets acceptance criteria			
11	Surrogate recoveries meets acceptance criteria			
12	Appropriate control charts updated			
13	Samples above calibration range diluted and reanalyzed			
14	Dilutions clearly documented on tracking record, inst file and verified during data upload			
15	Samples following high level samples checked for carryover.			✓
16	Mass spectra ion ratios acceptable for positive results, hardcopy in file.			
17	Analytical observations / anomalies documented			
18	DQW comments entered in LIMS, hardcopy in file			
19	Sample Prep section (above) reviewed and verified.			
20	WS Approval performed in LIMS			

Set BRL FCD-00002 /g

2017/03/09

Reviewed by: Date:

Comments:

Worksheet Validation		yes	no	n/a
1	Calibration, QC and sample results reviewed and determined acceptable			
2	Manual integrations verified			
3	Random calculation checked			
4	Data and QC validated in LIMS			
5	Comments reviewed for appropriateness			
6	Reworks / relogs documented in file			
7	Worksheet signed and dated,			
8	Worksheet approved and validated within LIMS			

Reviewed by: Date:

Comments:

WS# : 4872075

Page #: 1/2

Report Name : Worksheet - (Liquids and Solids)

Assignment Date : Wednesday, February 22, 2017

Assigned to : Geoffrey Sanchez

Test Code : PFOSALCM-W

Instrument Id:

Test Description : PFOS and PFOA in water by LC-MS/MS

Job Number	Sample Number	D	Sample ID	F	% Moisture (Sediment ccm)	Wt or (Vol) mL	Final Vol mL	(DF) or AF	# Cont	Expiry Date	Test DeadLine	Criteria	Extract Date	
7-3		SPIKE	0	PFOS		-0-	125	3	1X					2017/02/22
7-5		SPIKE	1	PFOS		-0-	125	3	1X					2017/02/22
7-1		BLANK				-0-	125	3	1X					2017/02/22
7-7	B732816	*DXR288-01R		FRCHD01-BLK-01		-0-	125	3	1X	1	2017/03/01	2017/03/03 18:00	DOD	2017/02/22
7-9, 7-11, 7-12,	B732816	*DXR289-01R		FRCHD01-DUP01		-0-	12.5/2.5	1.25 3	1X	1	2017/02/28	2017/03/03 18:00	DOD	2017/02/22
7-14, 7-16, 7-18	B732816	*DXR290-01R		FRCHD01-GW-001		<0.1	12.5/2.5	1.25 3	1X	1	2017/03/01	2017/03/03 18:00	DOD	2017/02/22
7-20, 7-22, 7-24	B732816	*DXR291-01R		FRCHD01-GW-002		<0.1	12.5/2.5	1.25 3	1X	1	2017/02/28	2017/03/03 18:00	DOD	2017/02/22
8-1, 8-3, 8-5	B732816	*DXR292-01R	0	FRCHD01-GW-003		<0.1	12.5/2.5	1.25 3	1X	3	2017/02/28	2017/03/03 18:00	DOD	2017/02/22
8-7, 8-9, 8-11	B732816	*DXR292-01R	1	FRCHD01-GW-003		<0.1	12.5/2.5	1.25 3	1X	3	2017/02/28	2017/03/03 18:00	DOD	2017/02/22
8-14, 8-16, 8-18	B732816	*DXR293-01R		FRCHD01-GW-004		-0-	12.5/2.5	1.25 3	1X	1	2017/03/01	2017/03/03 18:00	DOD	2017/02/22
8-20, 8-22, 8-24	B732816	*DXR294-01R		FRCHD01-GW-005		<0.1	12.5/2.5	1.25 3	1X	1	2017/03/01	2017/03/03 18:00	DOD	2017/02/22

10.50
100
10.50
100

652 2017/02/22

Remarks: Low level analysis Lower volumes used for samples (as per screening results). See above. Due to high concentration of target analytes in sample DXR292 (as per screening) SPK/SPKDUP and Sample/SampleDup were extracted in lieu of MS/MSD. See attached email.

Samples extracted by: Geoffrey Sanchez, 652 2017/02/22

Instrumentation performed by: [signature] Date: 2017/03/01, 02

Calculations performed by: [signature] Date: 2017/03/10

Validated by: [signature] Date: 2017/03/10

652, 2017/02/22

Job No.	Rep / Client Name / Remarks	Contact	Client Tier	National
GB732816	MDG CT Laboratories LLC	Fairchild AFB reportin		

NREG PFOSALCM-W **MS/MSD required for DXR292** (537 list plus telomers) Level IV Package and ERPIMS EDD required **Due to high native concentrations, the client has confirmed to proceed with an LCS/LCS Dup and sample dup in lieu of MS/MSD*** MDG 2017/02/22 Project #: 775303101

Surrogates/Spikes					Method Spike	Spikes	Samples
Calib STD	MeOH mL	amt spiked mL					
1 - 2825 +		25					
2 - 2800 +		50	SI-0658				
3 - 2700 +		150					
4 - 2813 +		37.5		+150 mL IS (SI-0360-1)			
5 - 2775 +		75	I-4925-2				
6 - 2725 +		125					
ICV - 2788 +		62.5	~~I-4951-3~~ I-4951-1 652 2017/02/22				

Sample	Preparation Remarks

Sample	Instrumentation Remarks
	For Sample DXR289 the surrogate for 10X showed up and the Sample was reported 50X.
	For sample DXR290, surrogate 13C2 PFDA was low, sample reported for 50X

2017/03/10

Worksheet Number: **4872075**

PFOS and PFOA in water - Water
ug/L

Parameter Name	Units	SPIKE	DL	SPIKE Dup1	DL	BLANK	DL
6:2 Fluorotelomer sulfonate	ug/L	92.60000	0.02	97.20000	0.02	0	0.02
8:2 Fluorotelomer sulfonate	ug/L	88.60000	0.02	102.00000	0.02	0	0.02
N-ethylperfluorooctane sulfonamide	ug/L	N/A*******	0.02	N/A*******	0.02	N/A*******	0.02
EtFOSAA	ug/L	91.80000	0.02	98.60000	0.02	0	0.02
N-ethylperfluorooctane sulfonamidoe	ug/L	N/A*******	0.02	N/A*******	0.02	N/A*******	0.02
N-methylperfluorooctane sulfonamide	ug/L	N/A*******	0.02	N/A*******	0.02	N/A*******	0.02
MeFOSAA	ug/L	98.20000	0.02	103.00000	0.02	0	0.02
N-methylperfluorooctanesulfonamidol	ug/L	N/A*******	0.02	N/A*******	0.02	N/A*******	0.02
Perfluorobutanoic acid	ug/L	N/A*******	0.02	N/A*******	0.02	N/A*******	0.02
Perfluorobutane Sulfonate (PFBS)	ug/L	97.80000	0.02	109.80000	0.02	0	0.02
Perfluorodecane Sulfonate	ug/L	N/A*******	0.02	N/A*******	0.02	N/A*******	0.02
Perfluoroheptanoic Acid (PFHpA)	ug/L	102.20000	0.02	99.60000	0.02	0	0.02
Perfluoroheptane sulfonate	ug/L	N/A*******	0.02	N/A*******	0.02	N/A*******	0.02
Perfluorohexanoic Acid (PFHxA)	ug/L	95.8	0.02	97.6	0.02	0	0.02
Perfluorohexane Sulfonate (PFHxS)	ug/L	96.80000	0.02	110.60000	0.02	0	0.02
Perfluorononanoic Acid (PFNA)	ug/L	99.80000	0.02	93.40000	0.02	0	0.02
Perfluorooctane Sulfonamide (PFOSA)	ug/L	95.20000	0.02	100.20000	0.02	0	0.02
Perfluoropentanoic Acid (PFPeA)	ug/L	N/A*******	0.02	N/A*******	0.02	N/A*******	0.02
Perfluorotetradecanoic Acid	ug/L	74.40000	0.02	97.40000	0.02	0	0.02
Perfluorotridecanoic Acid	ug/L	86.20000	0.02	93.80000	0.02	0	0.02
Perfluoroundecanoic Acid (PFUnA)	ug/L	85.60000	0.02	86.60000	0.02	0	0.02
Perfluorodecanoic Acid (PFDA)	ug/L	94.20000	0.02	109.60000	0.02	0	0.02
Perfluorododecanoic Acid (PFDoA)	ug/L	105.60000	0.02	109.20000	0.02	0	0.02
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	88.40000	0.02	102.20000	0.02	0	0.02
Perfluorooctane Sulfonate (PFOS)	ug/L	91.60000	0.02	96.00000	0.02	0	0.02
13C2-6:2 Fluorotelomer sulfonate	ug/L	103.		110.		104.	
13C2-8:2 Fluorotelomer sulfonate	ug/L	102.		93.7		89.9	
13C2-perfluorotetradecanoic acid	ug/L	89.6		90.0		78.9	
13C4-Perfluorobutanoic acid	ug/L	N/A*******		N/A*******		N/A*******	
13C6-Perfluorohexanoic Acid	ug/L	105.4		102.1		102.0	
13C9-Perfluorodecanoic Acid	ug/L	98.75		96.6		105.8	
N-methyl-d3-perfluorooctane sulfona	ug/L	N/A*******		N/A*******		N/A*******	
N-ethyl-d5-perfluorooctane sulfonam	ug/L	N/A*******		N/A*******		N/A*******	
13C2-Perfluorodecanoic acid	ug/L	90.6		82.5		78.9	
13C2-Perfluorododecanoic acid	ug/L	86.2		87.0		74.6	
13C2-Perfluorohexanoic acid	ug/L	83.4		93.1		97.4	
13C2-Perfluoroundecanoic acid	ug/L	80.9		100.		78.7	
13C4-Perfluoroheptanoic acid	ug/L	85.9		88.7		85.3	
13C5-Perfluorononanoic acid	ug/L	71.3		86.4		101.	
13C4-Perfluorooctanoic acid	ug/L	86.2		86.0		95.8	
13C4-Perfluorooctanesulfonate	ug/L	91.7		95.1		97.8	
13C5-Perfluoropentanoic acid	ug/L	N/A*******		N/A*******		N/A*******	
13C8-Perfluorooctane Sulfonamide	ug/L	90.8		91.9		83.5	
18O2-Perfluorohexanesulfonate	ug/L	91.8		83.8		89.9	

Worksheet Number: **4872075**

PFOS and PFOA in water - Water
ug/L

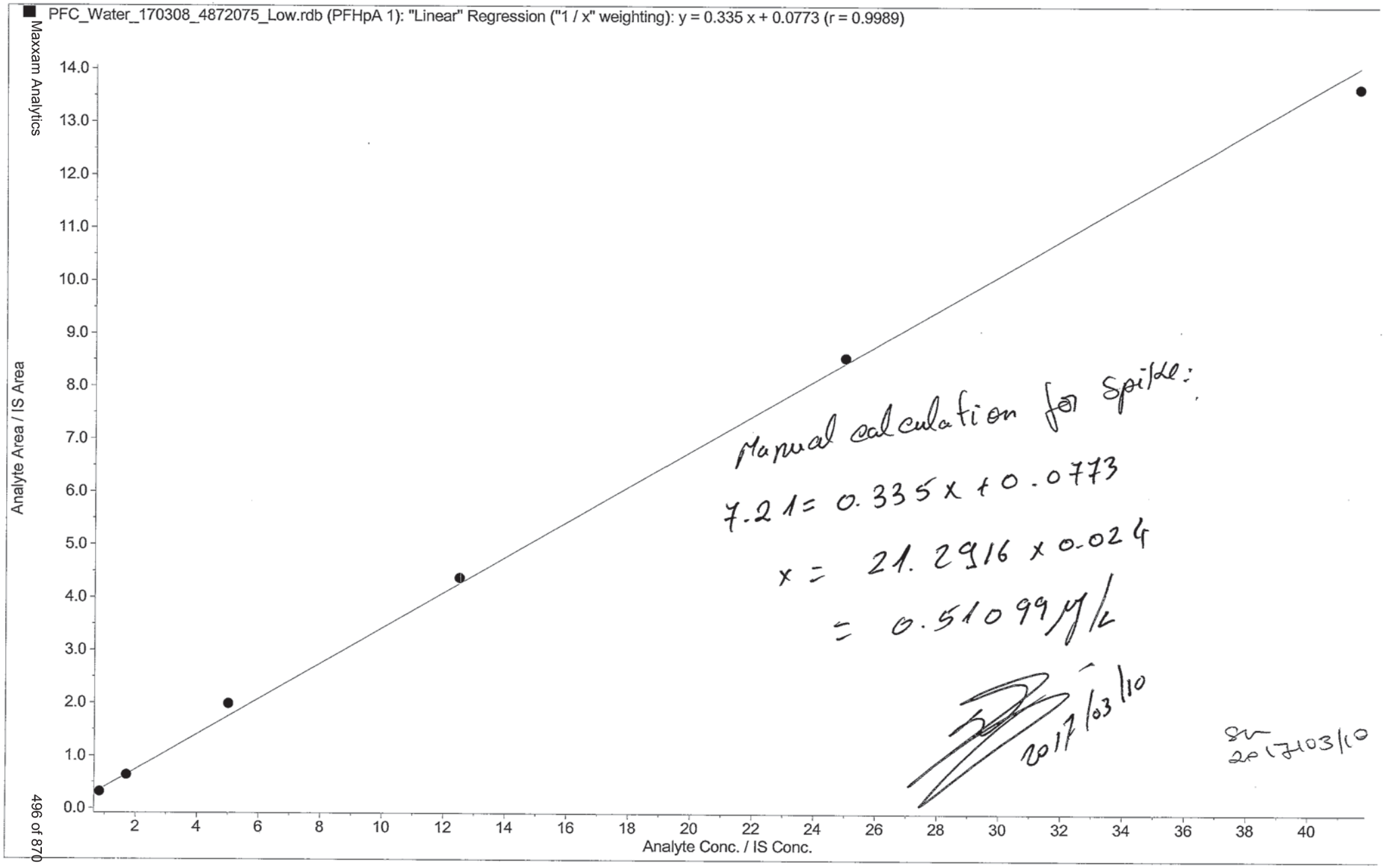
Parameter Name	B732816 DXR288	DL	B732816 DXR289	DL	B732816 DXR290	DL	B732816 DXR291
6:2 Fluorotelomer sulfonate	0	0.02	36.70000	1.0	78.50000	2.0	34.90000
8:2 Fluorotelomer sulfonate	0	0.02	1.97000	0.2	3.03000	0.2	1.82000
N-ethylperfluorooctane sulfonamide	N/A*******	0.02	N/A*******	0.2	N/A*******	0.2	N/A*******
EtFOSAA	0	0.02	0.08240	0.2	0	0.2	0
N-ethylperfluorooctane sulfonamidoe	N/A*******	0.02	N/A*******	0.2	N/A*******	0.2	N/A*******
N-methylperfluorooctane sulfonamide	N/A*******	0.02	N/A*******	0.2	N/A*******	0.2	N/A*******
MeFOSAA	0	0.02	0.04930	0.2	0	0.2	0
N-methylperfluorooctanesulfonamidol	N/A*******	0.02	N/A*******	0.2	N/A*******	0.2	N/A*******
Perfluorobutanoic acid	N/A*******	0.02	N/A*******	0.2	N/A*******	0.2	N/A*******
Perfluorobutane Sulfonate (PFBS)	0	0.02	1.72000	0.2	2.70000	0.2	1.72000
Perfluorodecane Sulfonate	N/A*******	0.02	N/A*******	0.2	N/A*******	0.2	N/A*******
Perfluoroheptanoic Acid (PFHpA)	0	0.02	1.28000	0.2	3.25000	0.2	1.21000
Perfluoroheptane sulfonate	N/A*******	0.02	N/A*******	0.2	N/A*******	0.2	N/A*******
Perfluorohexanoic Acid (PFHxA)	0	0.02	7.10	0.2	16.4	1.0	7.06
Perfluorohexane Sulfonate (PFHxS)	0	0.02	15.90000	1.0	55.80000	2.0	15.10000
Perfluorononanoic Acid (PFNA)	0	0.02	0.15100	0.2	0.73800	0.2	0.13400
Perfluorooctane Sulfonamide (PFOSA)	0	0.02	0.29500	0.2	2.10000	0.2	0.27500
Perfluoropentanoic Acid (PFPeA)	N/A*******	0.02	N/A*******	0.2	N/A*******	0.2	N/A*******
Perfluorotetradecanoic Acid	0	0.02	0	0.2	0	0.2	0
Perfluorotridecanoic Acid	0	0.02	0	0.2	0	0.2	0
Perfluoroundecanoic Acid (PFUnA)	0	0.02	0.05850	0.2	0	0.2	0
Perfluorodecanoic Acid (PFDA)	0	0.02	0.04670	0.2	0.04180	0.2	0.02770
Perfluorododecanoic Acid (PFDoA)	0	0.02	0.00852	0.2	0	0.2	0
Perfluoro-n-Octanoic Acid (PFOA)	0	0.02	3.04000	0.2	22.20000	1.0	3.49000
Perfluorooctane Sulfonate (PFOS)	0	0.02	22.10000	1.0	54.70000	2.0	20.60000
13C2-6:2 Fluorotelomer sulfonate	114.		94.9		90.7		98.1
13C2-8:2 Fluorotelomer sulfonate	102.		94.4		78.6		86.7
13C2-perfluorotetradecanoic acid	67.4		74.6		66.3		66.5
13C4-Perfluorobutanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C6-Perfluorohexanoic Acid	103.7		110.8		120.8		120.4
13C9-Perfluorodecanoic Acid	107.1		115.4		121.6		120.0
N-methyl-d3-perfluorooctane sulfona	N/A*******		N/A*******		N/A*******		N/A*******
N-ethyl-d5-perfluorooctane sulfonam	N/A*******		N/A*******		N/A*******		N/A*******
13C2-Perfluorodecanoic acid	88.5		87.9		!! 67.1		85.7
13C2-Perfluorododecanoic acid	70.0		!! 52.6		73.1		71.4
13C2-Perfluorohexanoic acid	93.9		84.0		95.7		82.3
13C2-Perfluoroundecanoic acid	69.0		70.2		70.1		73.5
13C4-Perfluoroheptanoic acid	89.0		83.0		70.6		73.3
13C5-Perfluorononanoic acid	84.4		77.6		!! 68.1		77.2
13C4-Perfluorooctanoic acid	83.0		87.7		88.9		!! 68.8
13C4-Perfluorooctanesulfonate	93.9		94.4		84.4		95.0
13C5-Perfluoropentanoic acid	N/A*******		N/A*******		N/A*******		N/A*******
13C8-Perfluorooctane Sulfonamide	83.8		77.7		75.0		83.9
18O2-Perfluorohexanesulfonate	98.8		87.3		90.9		97.7

PFOS and PFOA in water - Water
ug/L

Parameter Name	DL	B732816 DXR292 ReWork	DL	B732816 DXR292 Dup1 ReWork	DL	B732816 DXR293	DL
6:2 Fluorotelomer sulfonate	1.0	46.00000	1.0	44.7	1.0	34.10000	1.0
8:2 Fluorotelomer sulfonate	0.2	8.93000	0.2	8.36	0.2	0.04990	0.2
N-ethylperfluorooctane sulfonamide	0.2	N/A*******	0.2	N/A*******	0.2	N/A*******	0.2
EtFOSAA	0.2	0	0.2	0	0.2	0	0.2
N-ethylperfluorooctane sulfonamidoe	0.2	N/A*******	0.2	N/A*******	0.2	N/A*******	0.2
N-methylperfluorooctane sulfonamide	0.2	N/A*******	0.2	N/A*******	0.2	N/A*******	0.2
MeFOSAA	0.2	0	0.2	0	0.2	0	0.2
N-methylperfluorooctanesulfonamidol	0.2	N/A*******	0.2	N/A*******	0.2	N/A*******	0.2
Perfluorobutanoic acid	0.2	N/A*******	0.2	N/A*******	0.2	N/A*******	0.2
Perfluorobutane Sulfonate (PFBS)	0.2	2.39000	0.2	2.51	0.2	1.82000	0.2
Perfluorodecane Sulfonate	0.2	N/A*******	0.2	N/A*******	0.2	N/A*******	0.2
Perfluoroheptanoic Acid (PFHpA)	0.2	2.68000	0.2	2.84	0.2	0.68800	0.2
Perfluoroheptane sulfonate	0.2	N/A*******	0.2	N/A*******	0.2	N/A*******	0.2
Perfluorohexanoic Acid (PFHxA)	0.2	11.0	1.0	13.0	1.0	5.74	1.0
Perfluorohexane Sulfonate (PFHxS)	1.0	26.40000	1.0	24.8	1.0	11.40000	1.0
Perfluorononanoic Acid (PFNA)	0.2	0.31600	0.2	0.333	0.2	0.04120	0.2
Perfluorooctane Sulfonamide (PFOSA)	0.2	0.75100	0.2	N/A*******	0.2	0.10900	0.2
Perfluoropentanoic Acid (PFPeA)	0.2	N/A*******	0.2	N/A*******	0.2	N/A*******	0.2
Perfluorotetradecanoic Acid	0.2	0	0.2	0	0.2	0	0.2
Perfluorotridecanoic Acid	0.2	0	0.2	0	0.2	0	0.2
Perfluoroundecanoic Acid (PFUnA)	0.2	0	0.2	0.0515	0.2	0	0.2
Perfluorodecanoic Acid (PFDA)	0.2	0.07190	0.2	0.0674	0.2	0	0.2
Perfluorododecanoic Acid (PFDoA)	0.2	0	0.2	0	0.2	0	0.2
Perfluoro-n-Octanoic Acid (PFOA)	0.2	7.92000	0.2	7.41	0.2	1.10000	0.2
Perfluorooctane Sulfonate (PFOS)	1.0	40.50000	1.0	45.2	1.0	11.10000	1.0
13C2-6:2 Fluorotelomer sulfonate		101.		96.8		101.	
13C2-8:2 Fluorotelomer sulfonate		84.3		99.9		91.1	
13C2-perfluorotetradecanoic acid		64.6		71.9		74.3	
13C4-Perfluorobutanoic acid		N/A*******		N/A*******		N/A*******	
13C6-Perfluorohexanoic Acid		107.9		99.3		110.4	
13C9-Perfluorodecanoic Acid		111.2		101		110.8	
N-methyl-d3-perfluorooctane sulfona		N/A*******		N/A*******		N/A*******	
N-ethyl-d5-perfluorooctane sulfonam		N/A*******		N/A*******		N/A*******	
13C2-Perfluorodecanoic acid		80.4		99.2		ll 68.5	
13C2-Perfluorododecanoic acid		74.1		79.4		84.8	
13C2-Perfluorohexanoic acid		96.8		76.1		85.3	
13C2-Perfluoroundecanoic acid		68.6		90.5		74.9	
13C4-Perfluoroheptanoic acid		89.1		85.8		82.9	
13C5-Perfluorononanoic acid		90.3		92.1		78.2	
13C4-Perfluorooctanoic acid		85.1		98.9		88.0	
13C4-Perfluorooctanesulfonate		105.		90.5		86.2	
13C5-Perfluoropentanoic acid		N/A*******		N/A*******		N/A*******	
13C8-Perfluorooctane Sulfonamide		81.3		N/A*******		81.9	
18O2-Perfluorohexanesulfonate		94.2		92.6		88.0	

PFOS and PFOA in water - Water
ug/L

Parameter Name	B732816 DXR294	DL	RDL	MDL	IDL		
6:2 Fluorotelomer sulfonate	38.80000	1.0	0.02	0.0065	0		
8:2 Fluorotelomer sulfonate	1.41000	0.2	0.02	0.0055	0		
N-ethylperfluorooctane sulfonamide	N/A*******	0.2	0.02	0.0053	0		
EtFOSAA	0	0.2	0.02	0.004	0		
N-ethylperfluorooctane sulfonamidoe	N/A*******	0.2	0.02	0.0049	0		
N-methylperfluorooctane sulfonamide	N/A*******	0.2	0.02	0.004	0		
MeFOSAA	0	0.2	0.02	0.0043	0		
N-methylperfluorooctanesulfonamidol	N/A*******	0.2	0.02	0.0061	0		
Perfluorobutanoic acid	N/A*******	0.2	0.02	0.0066	0		
Perfluorobutane Sulfonate (PFBS)	2.86000	0.2	0.02	0.0019	0		
Perfluorodecane Sulfonate	N/A*******	0.2	0.02	0.0043	0		
Perfluoroheptanoic Acid (PFHpA)	2.20000	0.2	0.02	0.0047	0		
Perfluoroheptane sulfonate	N/A*******	0.2	0.02	0.0036	0		
Perfluorohexanoic Acid (PFHxA)	11.9	1.0	0.02	0.0046	0		
Perfluorohexane Sulfonate (PFHxS)	30.00000	1.0	0.02	0.004	0		
Perfluorononanoic Acid (PFNA)	0.20800	0.2	0.02	0.0046	0		
Perfluorooctane Sulfonamide (PFOSA)	0.57400	0.2	0.02	0.0058	0		
Perfluoropentanoic Acid (PFPeA)	N/A*******	0.2	0.02	0.0036	0		
Perfluorotetradecanoic Acid	0	0.2	0.02	0.0052	0		
Perfluorotridecanoic Acid	0	0.2	0.02	0.0032	0		
Perfluoroundecanoic Acid (PFUnA)	0	0.2	0.02	0.0037	0		
Perfluorodecanoic Acid (PFDA)	0.02110	0.2	0.02	0.0066	0		
Perfluorododecanoic Acid (PFDoA)	0	0.2	0.02	0.0057	0		
Perfluoro-n-Octanoic Acid (PFOA)	9.77000	0.2	0.02	0.0053	0		
Perfluorooctane Sulfonate (PFOS)	25.00000	1.0	0.02	0.0033	0		
13C2-6:2 Fluorotelomer sulfonate	86.9						
13C2-8:2 Fluorotelomer sulfonate	82.8						
13C2-perfluorotetradecanoic acid	98.5						
13C4-Perfluorobutanoic acid	N/A*******						
13C6-Perfluorohexanoic Acid	110.8						
13C9-Perfluorodecanoic Acid	97.5						
N-methyl-d3-perfluorooctane sulfona	N/A*******						
N-ethyl-d5-perfluorooctane sulfonam	N/A*******						
13C2-Perfluorodecanoic acid	101.						
13C2-Perfluorododecanoic acid	94.9						
13C2-Perfluorohexanoic acid	86.3						
13C2-Perfluoroundecanoic acid	91.0						
13C4-Perfluoroheptanoic acid	84.8						
13C5-Perfluorononanoic acid	86.4						
13C4-Perfluorooctanoic acid	83.7						
13C4-Perfluorooctanesulfonate	93.7						
13C5-Perfluoropentanoic acid	N/A*******						
13C8-Perfluorooctane Sulfonamide	95.7						
18O2-Perfluorohexanesulfonate	90.1						



Manual calculation for spike:

$7.21 = 0.335x + 0.0773$

$x = 21.2916 \times 0.024$

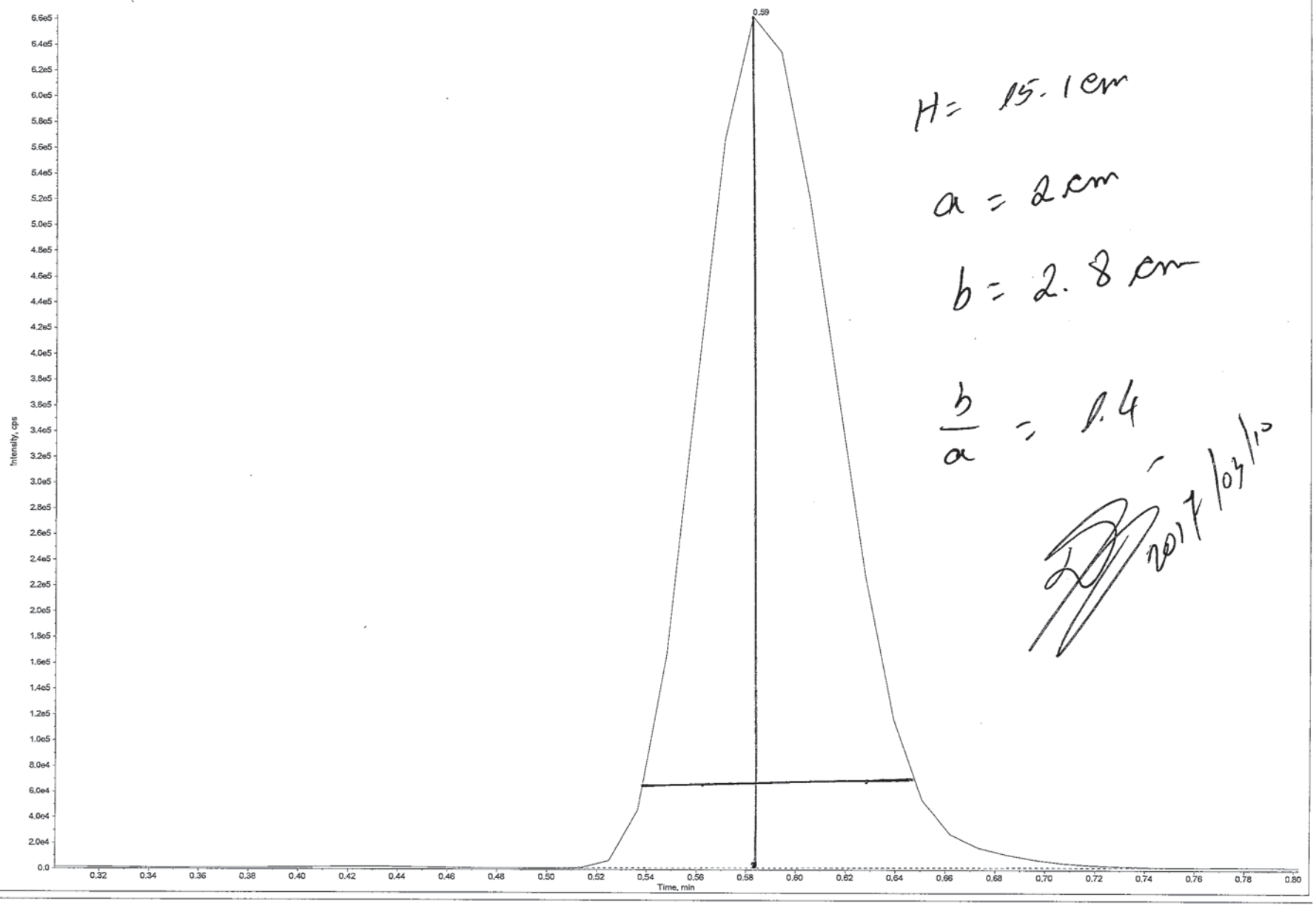
$= 0.51099\ \mu g/L$

2017/03/10

SV 2017/03/10

Sample Name: "Std 4" Sample ID: "" File: "W SI#4875345.wiff"
Peak Name: "PFBA 1" Mass(es): "212.900/169 .000 Da"
Comment: "" Annotation: ""

Sample Index:	15	
Sample Type:	Standard	
Concentration:	11.3	ug/kg
Calculated Conc:	11.7	ug/kg
Acq. Date:	3/9/2017	
Acq. Time:	10:52:31 PM	
Modified:	No	
Peak Algorithm:	Analyst Classic	
Smoothing Factor:	1	
Noise Threshold:	20.00	cps
Area Threshold:	200.00	cps
Num. Smooths:	2	
Sep. Width:	0.00	
Sep. Height:	0.00	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
RT Window:	30.0	sec
Expected RT:	0.552	min
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	0.585	min
Area:	2600000.	counts
Height:	6.66e+005	cps
Start Time:	0.491	min
End Time:	0.753	min



H= 15.1 cm

a = 2 cm

b = 2.8 cm

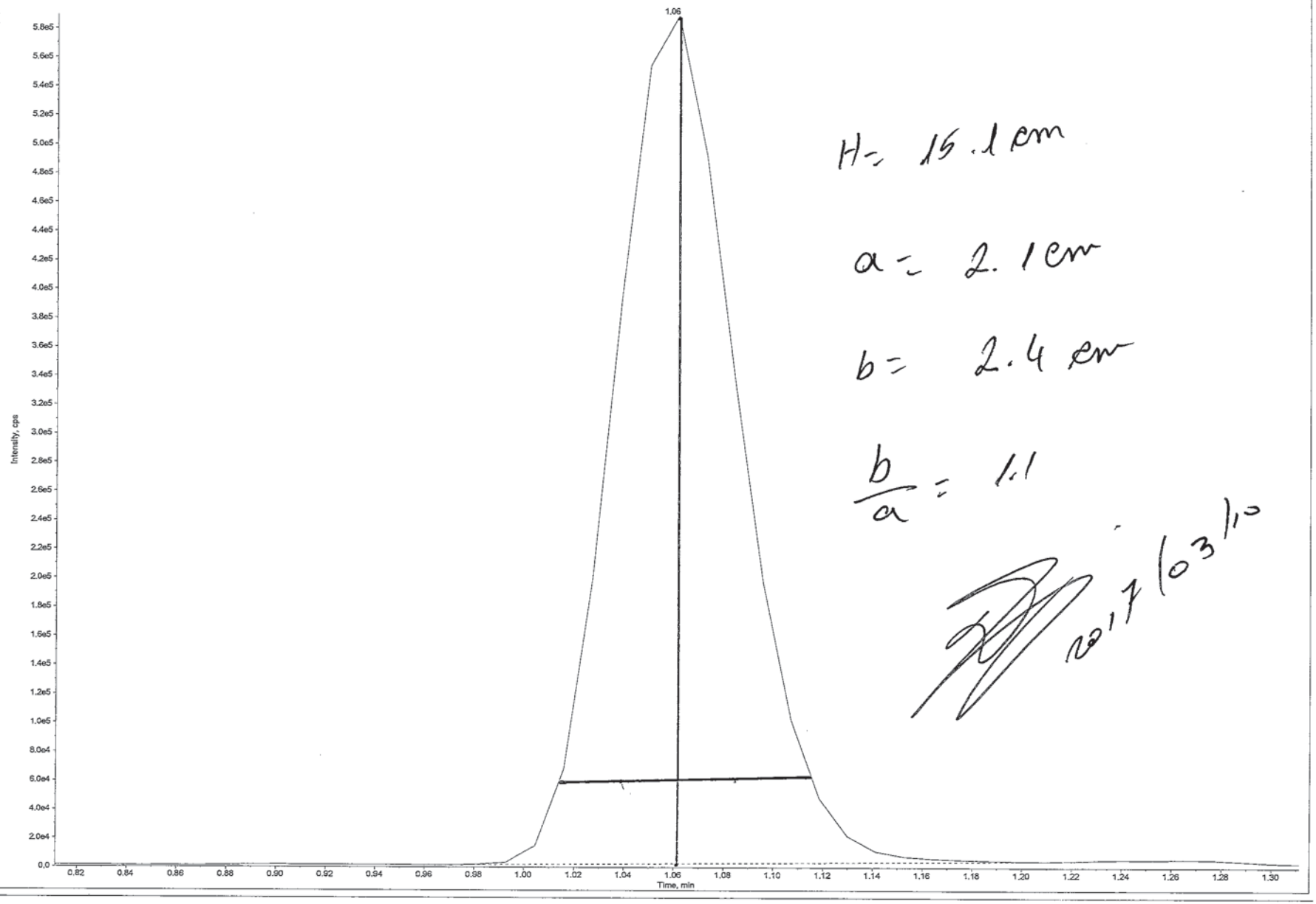
$\frac{b}{a}$ = 1.4

2017/03/10

Waxen Analytics

Sample Name: "Std 4" Sample ID: "" File: "W Std4875345.wiff"
Peak Name: "PFPeA 1" Mass(es): "262.900/21 8.900 Da"
Comment: "" Annotation: ""

Sample Index:	15
Sample Type:	Standard
Concentration:	11.3 ug/kg
Calculated Conc:	11.5 ug/kg
Acq. Date:	3/9/2017
Acq. Time:	10:52:31 PM
Modified:	No
Proc. Algorithm:	Analyst Classic
Smoothing Factor:	1
Noise Threshold:	20.00 cps
Area Threshold:	200.00 cps
Num. Smooths:	2
Sep. Width:	0.00
Sep. Height:	0.00
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
RT Window:	30.0 sec
Expected RT:	1.06 min
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	1.06 min
Area:	2060000. counts
Height:	5.91e+005 cps
Start Time:	0.970 min
End Time:	1.21 min



H = 15.1 cm

a = 2.1 cm

b = 2.4 cm

$\frac{b}{a} = 1.1$

2017/03/10

Waxman Analytics

Report Name: Worksheet - Parameter Lists

Report Date: 2017/02/22

Test Code: **PFOSALCM-W**

Worksheet Number: **4872075**

Sample Number	Parameter	
DXR288-01	6:2 Fluorotelomer sulfonate	*
DXR289-01	8:2 Fluorotelomer sulfonate	*
DXR290-01	EtFOSAA	*
DXR291-01	MeFOSAA.	*
DXR292-01	Perfluorobutane Sulfonate (PFBS)	
DXR293-01	Perfluorodecanoic Acid (PFDA)	
DXR294-01	Perfluorododecanoic Acid (PFDoA)	
	Perfluoroheptanoic Acid (PFHpA)	
	Perfluorohexanoic Acid (PFHxA)	
	Perfluorohexane Sulfonate (PFHxS)	
	Perfluorononanoic Acid (PFNA)	
	Perfluoro-n-Octanoic Acid (PFOA)	
	Perfluorooctane Sulfonate (PFOS)	
	Perfluorotetradecanoic Acid	
	Perfluorotridecanoic Acid	
	Perfluoroundecanoic Acid (PFUnA)	

* - This parameter is usually off, but will be reported for this group of samples!

WorkSheet 4872075 Instrument Sequences

1.	 4872075:SPIKE	SPIKE
2.	 4872075:SPIKE:D1	SPIKE :D1
3.	 4872075:BLANK	BLANK
4.	 4872075:DXR288-01	FRCHD01-BLK-01
5.	 4872075:DXR289-01	FRCHD01-DUP01
6.	 4872075:DXR290-01	FRCHD01-GW-001
7.	 4872075:DXR291-01	FRCHD01-GW-002
8.	 4872075:DXR292-01	FRCHD01-GW-003
9.	 4872075:DXR292-01:D1	FRCHD01-GW-003 :D1
10.	 4872075:DXR293-01	FRCHD01-GW-004
11.	 4872075:DXR294-01	FRCHD01-GW-005

Worksheet Reagent Tracking Record Worksheet # 4872075

Surrogate/Spike solutions	√	Solution ID #	Conc.	Volume (µL) Blk-Spk Solid	Blk-Spk Liquid	MS Solid	MS Liquid	Samples Solid	Samples Liquid
DGT Spike			100 ug/mL	60	30	60	30	NA	NA
Diquat Dibromide			50 ug/mL	NA	350	NA	350	NA	NA
Explosives Spiking solution A			20 ug/mL	250	100	250	100	NA	NA
Explosives Spiking solution B			20/80 ug/mL	250	100	250	100	NA	NA
Formaldehyde Spike			100 ug/mL	25	25	25	25	NA	NA
Glyphosate Spike			25 ug/mL	500	20	500	20	NA	NA
Nonylphenol Ethoxylate Spike			100 ug/mL	100	100	100	100	NA	NA
Nonylphenol Spike			10 ug/mL	100	100	100	100	NA	NA
Paraquat Cl Tetrahydrate			20 ug/mL	NA	125	NA	125	NA	NA
Perchlorate Standard Spike			10 ng/mL	NA	100	NA	100	NA	NA
Perchlorate Standard Spike			500 ng/mL	40	NA	40	NA	NA	NA
Perchlorate O-18 Internal Standard			0.10 ng/uL	20	20	20	20	20	20
Morpholine Second Source Working Std			2500 ug/L	NA	80	NA	80	NA	NA
Morpholine-D8 Internal Standard			10 ug/mL	NA	50	NA	50	NA	50
Steril Second Source Spiking Solution			NA	20	NA	20	NA	NA	NA
Sterilants Comp. IS Working Solution			3 ug/mL	50	NA	50	NA	50	NA
Comp. PFC Working Solution A	✓	I-4951-1	1ug/mL	75	21 (62.5)	75	21 (62.5)	NA	NA
PFC Internal Standard Solution	✓	SI-6360-1	50/125 ng/mL	200	100 (150)	200	100 (150)	200	100 (150)
PFC Injection IS	✓	SI-6345-4	100/400 ng/mL	20	(20)	20	20	20	(20)
ICV	✓	I-4951-1	1mg/mL		62.5				

Solvent/Reagent	√	Lot No.	Date Opened	Solvent/Reagent	√	Lot No.	Date Opened/ Prepared
DCM				50% NaOH			
Ottawa Sand				o-Phosphoric Acid			
Methanol	✓	SHBH7061	2017/02/21	Borax			
2-Propanol (IPA)				Calcium Chloride			
Acetonitrile				EDTA			
Sodium Sulfate				Phosphate Buffer			
70:30 Methanol: Water				Sodium Thiosulphate			
60:40 Water: Methanol	✓	PRLRE 92-384		DNPH			
DCM:Ethyl Ether (75:25)				FMOC			
Hexane:IPA (98:2)				5M Acetate Buffer			
2% Formic Acid	✓	PRLRE 92-383		0.2% NH_4OH	✓	PRLRE 92-395	
0.2% Formic Acid				Leachate Fluid			
0.05M KOH				Reagent Water	✓	56190	2017/02/22
0.05M HCl							

*Spiked by: GSZ

Spike Date: 2017/02/22

Spike Syringe/Pipette ID#: M23487B

Int. Std Syringe/Pipette ID#: K19609D

*Spiking Witnessed by: EJL

Final pH:

Equipment & ID	√	Equipment	ID#	√	Equipment	Lot #
Pipettor N19238D K39876F K19609D	✓	SPE Cartridge	0029362584	✓	QC Balance ID	
	✓	Filter			Thermometer ID &Temp	
Dispenser		Centrifuge				
		Sonicator				

Bottle Tracking
Bottle# 16770
Cap# 16853

Systems plus Lot#: 16-12-08

Comments: 125mL Rfg Bottle (HPLC)

* - SPIKING OF QC's & SAMPLES MUST BE WITNESSED AT ALL TIMES.

Sin Chii Chia

From: Melissa DiGrazia
Sent: Wednesday, February 22, 2017 1:59 PM
To: Sin Chii Chia
Cc: Geoffrey Sanchez; Melinda Molina; Emily Henderson; Alicia Rahamat; Adam Robinson
Subject: RE: B732816 CT Labs MS/MSD

Hello everyone,

The client has confirmed that we can run an LCS/LCSD and a sample dup instead of the MS/MSD. Thank you again!!

Kind regards,

Melissa Di Grazia, B.Sc.
Customer Experience Team Lead – Site Assessment and Remediation/ Ultra Trace Analysis
Office 905 817 5784 / Mobile 416 717 8264
Toll free 800 563 6266/ Fax 905 817 5775

6740 Campobello Rd., Mississauga, ON L5N 2L8
Maxxam Analytics - A Bureau Veritas Group Company
Success Through Science®. maxxam.ca

Technical Education Webinar
Maxxam
A Bureau Veritas Group Company
REGISTER NOW!

From: Sin Chii Chia
Sent: Wednesday, February 22, 2017 1:34 PM
To: Melissa DiGrazia
Cc: Geoffrey Sanchez; Melinda Molina; Emily Henderson; Alicia Rahamat; Adam Robinson
Subject: B732816 CT Labs MS/MSD

Hello Melissa

MS/MSD is required for sample DXR292. Screening results indicate high concentrations of target analytes in this sample, so it will be analyzed with a minimum 10x dilution, making the MS/MSD NC.
Would it be acceptable if another sample from the job was selected for MS/MSD (e.g. DXR288)? Or do you think we could do LCS/LCS Dup and Sample/Sample Dup on DXR292?

Thanks!

SIN CHII CHIA, B.Sc.
Scientific Specialist

Office 905 817 5700
Toll free 800 563 6266 / Fax 905 817 5777

6740 Campobello Road / Mississauga, ON Canada L5N 2L8

Maxxam Analytics - Success Through Science®
maxxam.ca

The information in this e-mail and any attachments is confidential and for the sole use of the intended recipient(s). If you have received this e-mail in error, please: accept our apologies for the inconvenience; note that any use of the information is strictly prohibited; notify the sender as soon as possible; and then delete all copies from your system.

Project: D:\Analyst Data\Projects\Enviro\PFOS Batch:PFC_170308A Tab:Sample Set:SET1 AcqMethod:PFC_Water_Low.dam
Sample

	Sample Name	Rack Code	Rack Position	Plate Code	Plate Position	Vial Position	Data File	Inj.Volume (µl)
1	Rinse	2 Well Plate	1	*54VialPlate	1	1	PFC_170308\WS#4872075	1.000
2	4872075~BLANK	2 Well Plate	1	*54VialPlate	1	2	PFC_170308\WS#4872075	1.000
3	Std 1	2 Well Plate	1	*54VialPlate	1	3	PFC_170308\WS#4872075	1.000
4	Std 2	2 Well Plate	1	*54VialPlate	1	4	PFC_170308\WS#4872075	1.000
5	Std 3	2 Well Plate	1	*54VialPlate	1	5	PFC_170308\WS#4872075	1.000
6	Std 4	2 Well Plate	1	*54VialPlate	1	6	PFC_170308\WS#4872075	1.000
7	Std 5	2 Well Plate	1	*54VialPlate	1	7	PFC_170308\WS#4872075	1.000
8	Std 6	2 Well Plate	1	*54VialPlate	1	8	PFC_170308\WS#4872075	1.000
9	ICV	2 Well Plate	1	*54VialPlate	1	9	PFC_170308\WS#4872075	1.000
10	CCV	2 Well Plate	1	*54VialPlate	1	6	PFC_170308\WS#4872075	1.000
11	4872075~SPIKE	2 Well Plate	1	*54VialPlate	1	10	PFC_170308\WS#4872075	1.000
12	4872075~SPIKE:D1	2 Well Plate	1	*54VialPlate	1	11	PFC_170308\WS#4872075	1.000
13	4872075~DXR288-01	2 Well Plate	1	*54VialPlate	1	12	PFC_170308\WS#4872075	1.000
14	4872075~DXR289-01:100x	2 Well Plate	1	*54VialPlate	1	13	PFC_170308\WS#4872075	1.000
15	4872075~DXR290-01:100x	2 Well Plate	1	*54VialPlate	1	14	PFC_170308\WS#4872075	1.000
16	4872075~DXR291-01:100x	2 Well Plate	1	*54VialPlate	1	15	PFC_170308\WS#4872075	1.000
17	4872075~DXR292-01:100x	2 Well Plate	1	*54VialPlate	1	16	PFC_170308\WS#4872075	1.000
18	4872075~DXR292-01:D1:100x	2 Well Plate	1	*54VialPlate	1	17	PFC_170308\WS#4872075	1.000
19	4872075~DXR293-01:100x	2 Well Plate	1	*54VialPlate	1	18	PFC_170308\WS#4872075	1.000
20	4872075~DXR294-01:100x	2 Well Plate	1	*54VialPlate	1	19	PFC_170308\WS#4872075	1.000
21	CCV	2 Well Plate	1	*54VialPlate	1	6	PFC_170308\WS#4872075	1.000
22	4872075~DXR289-01:50x	2 Well Plate	1	*54VialPlate	1	20	PFC_170308\WS#4872075	1.000
23	4872075~DXR290-01:50x	2 Well Plate	1	*54VialPlate	1	21	PFC_170308\WS#4872075	1.000
24	rinse	2 Well Plate	1	*54VialPlate	1	1	PFC_170308\WS#4872075	1.000
25	4872075~DXR291-01:50x	2 Well Plate	1	*54VialPlate	1	22	PFC_170308\WS#4872075	1.000
26	4872075~DXR292-01:50x	2 Well Plate	1	*54VialPlate	1	23	PFC_170308\WS#4872075	1.000
27	4872075~DXR292-01:D1:50x	2 Well Plate	1	*54VialPlate	1	24	PFC_170308\WS#4872075	1.000
28	4872075~DXR293-01:50x	2 Well Plate	1	*54VialPlate	1	25	PFC_170308\WS#4872075	1.000
29	4872075~DXR294-01:50x	2 Well Plate	1	*54VialPlate	1	26	PFC_170308\WS#4872075	1.000
30	CCV	2 Well Plate	1	*54VialPlate	1	6	PFC_170308\WS#4872075	1.000
31	4872075~DXR289-01:10x	2 Well Plate	1	*54VialPlate	1	27	PFC_170308\WS#4872075	1.000
32	4872075~DXR290-01:10x	2 Well Plate	1	*54VialPlate	1	28	PFC_170308\WS#4872075	1.000
33	Rinse	2 Well Plate	1	*54VialPlate	1	1	PFC_170308\WS#4872075	1.000
34	4872075~DXR291-01:10x	2 Well Plate	1	*54VialPlate	1	29	PFC_170308\WS#4872075	1.000
35	4872075~DXR292-01:10x	2 Well Plate	1	*54VialPlate	1	30	PFC_170308\WS#4872075	1.000
36	4872075~DXR292-01:D1:10x	2 Well Plate	1	*54VialPlate	1	31	PFC_170308\WS#4872075	1.000
37	4872075~DXR293-01:10x	2 Well Plate	1	*54VialPlate	1	32	PFC_170308\WS#4872075	1.000
38	4872075~DXR294-01:10x	2 Well Plate	1	*54VialPlate	1	33	PFC_170308\WS#4872075	1.000
39	CCV	2 Well Plate	1	*54VialPlate	1	6	PFC_170308\WS#4872075	1.000

Column # 164

MPhA: Sol # 37, TSRE18

MPhB: MeOH, Sigma Lot # SHBH8733

2017/03/07

Verified
3/10/2017

Project: D:\Analyst Data\Projects\Enviro\PFOS Batch:PFC_170301C_FOSAA Tab:Sample Set:SET1 AcqMethod:PFC_Water_Low_FOSAA.dam
Sample

	Sample Name	Rack Code	Rack Position	Plate Code	Plate Position	Vial Position	Data File	Inj.Volume (µl)
1	Rinse	2 Well Plate	1	*54VialPlate*	2	1	PFC_170301\WS#4872075_FOSAA	1.000
2	4872075~BLANK	2 Well Plate	1	*54VialPlate*	2	33	PFC_170301\WS#4872075_FOSAA	1.000
3	Std 1	2 Well Plate	1	*54VialPlate*	2	34	PFC_170301\WS#4872075_FOSAA	1.000
4	Std 2	2 Well Plate	1	*54VialPlate*	2	35	PFC_170301\WS#4872075_FOSAA	1.000
5	Std 3	2 Well Plate	1	*54VialPlate*	2	36	PFC_170301\WS#4872075_FOSAA	1.000
6	Std 4	2 Well Plate	1	*54VialPlate*	2	37	PFC_170301\WS#4872075_FOSAA	1.000
7	Std 5	2 Well Plate	1	*54VialPlate*	2	38	PFC_170301\WS#4872075_FOSAA	1.000
8	Std 6	2 Well Plate	1	*54VialPlate*	2	39	PFC_170301\WS#4872075_FOSAA	1.000
9	ICV	2 Well Plate	1	*54VialPlate*	2	40	PFC_170301\WS#4872075_FOSAA	1.000
10	CCV	2 Well Plate	1	*54VialPlate*	2	37	PFC_170301\WS#4872075_FOSAA	1.000
11	4872075~SPIKE	2 Well Plate	1	*54VialPlate*	2	41	PFC_170301\WS#4872075_FOSAA	1.000
12	4872075~SPIKE:D1	2 Well Plate	1	*54VialPlate*	2	42	PFC_170301\WS#4872075_FOSAA	1.000
13	4872075~DXR288-01	2 Well Plate	1	*54VialPlate*	2	43	PFC_170301\WS#4872075_FOSAA	1.000
14	4872075~DXR289-01:100x	2 Well Plate	1	*54VialPlate*	2	44	PFC_170301\WS#4872075_FOSAA	1.000
15	4872075~DXR290-01:100x	2 Well Plate	1	*54VialPlate*	2	45	PFC_170301\WS#4872075_FOSAA	1.000
16	4872075~DXR291-01:100x	2 Well Plate	1	*54VialPlate*	2	46	PFC_170301\WS#4872075_FOSAA	1.000
17	4872075~DXR292-01:100x	2 Well Plate	1	*54VialPlate*	2	47	PFC_170301\WS#4872075_FOSAA	1.000
18	4872075~DXR292-01:D1:100x	2 Well Plate	1	*54VialPlate*	2	48	PFC_170301\WS#4872075_FOSAA	1.000
19	4872075~DXR293-01:100x	2 Well Plate	1	*54VialPlate*	2	49	PFC_170301\WS#4872075_FOSAA	1.000
20	4872075~DXR294-01:100x	2 Well Plate	1	*54VialPlate*	2	50	PFC_170301\WS#4872075_FOSAA	1.000
21	CCV	2 Well Plate	1	*54VialPlate*	2	37	PFC_170301\WS#4872075_FOSAA	1.000
22	4872075~DXR289-01:50x	2 Well Plate	1	*54VialPlate*	1	32	PFC_170301\WS#4872075_FOSAA	1.000
23	4872075~DXR290-01:50x	2 Well Plate	1	*54VialPlate*	1	33	PFC_170301\WS#4872075_FOSAA	1.000
24	rinse	2 Well Plate	1	*54VialPlate*	1	1	PFC_170301\WS#4872075_FOSAA	1.000
25	4872075~DXR291-01:50x	2 Well Plate	1	*54VialPlate*	1	34	PFC_170301\WS#4872075_FOSAA	1.000
26	4872075~DXR292-01:50x	2 Well Plate	1	*54VialPlate*	1	35	PFC_170301\WS#4872075_FOSAA	1.000
27	4872075~DXR292-01:D1:50x	2 Well Plate	1	*54VialPlate*	1	36	PFC_170301\WS#4872075_FOSAA	1.000
28	4872075~DXR293-01:50x	2 Well Plate	1	*54VialPlate*	1	37	PFC_170301\WS#4872075_FOSAA	1.000
29	4872075~DXR294-01:50x	2 Well Plate	1	*54VialPlate*	1	38	PFC_170301\WS#4872075_FOSAA	1.000
30	CCV	2 Well Plate	1	*54VialPlate*	2	37	PFC_170301\WS#4872075_FOSAA	1.000
31	4872075~DXR289-01:10x	2 Well Plate	1	*54VialPlate*	1	39	PFC_170301\WS#4872075_FOSAA	1.000
32	4872075~DXR290-01:10x	2 Well Plate	1	*54VialPlate*	1	40	PFC_170301\WS#4872075_FOSAA	1.000
33	Rinse	2 Well Plate	1	*54VialPlate*	1	1	PFC_170301\WS#4872075_FOSAA	1.000
34	4872075~DXR291-01:10x	2 Well Plate	1	*54VialPlate*	1	41	PFC_170301\WS#4872075_FOSAA	1.000
35	4872075~DXR292-01:10x	2 Well Plate	1	*54VialPlate*	1	42	PFC_170301\WS#4872075_FOSAA	1.000
36	4872075~DXR292-01:D1:10x	2 Well Plate	1	*54VialPlate*	1	43	PFC_170301\WS#4872075_FOSAA	1.000
37	4872075~DXR293-01:10x	2 Well Plate	1	*54VialPlate*	1	44	PFC_170301\WS#4872075_FOSAA	1.000
38	4872075~DXR294-01:10x	2 Well Plate	1	*54VialPlate*	1	45	PFC_170301\WS#4872075_FOSAA	1.000
39	CCV	2 Well Plate	1	*54VialPlate*	2	37	PFC_170301\WS#4872075_FOSAA	1.000

Column #1 164

MPA : Sol#32, FSPE A

MPB : Sol#30, FSPE B

2017/03/01

Verified
on
2017/03/06.

	Sample ID	Sample Annotation	Acquisition Date	Acquisition Method	File Name	Rack Type	Rack Position	Vial Position	Plate Type	Plate Position
1	4872075~BLANK	-	2017/03/08 7:58:40 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	2	*54VialPlate*	1
2	Std 1	-	2017/03/08 8:03:44 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	3	*54VialPlate*	1
3	Std 2	-	2017/03/08 8:08:48 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	4	*54VialPlate*	1
4	Std 3	-	2017/03/08 8:13:51 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	5	*54VialPlate*	1
5	Std 4	-	2017/03/08 8:18:55 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	6	*54VialPlate*	1
6	Std 5	-	2017/03/08 8:24:00 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	7	*54VialPlate*	1
7	Std 6	-	2017/03/08 8:29:04 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	8	*54VialPlate*	1
8	ICV	-	2017/03/08 8:34:08 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	9	*54VialPlate*	1
9	CCV	-	2017/03/09 8:25:46 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	6	*54VialPlate*	1
10	4872075~SPIKE	-	2017/03/09 8:30:50 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	10	*54VialPlate*	1
11	4872075~SPIKE:D1	-	2017/03/09 8:35:54 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	11	*54VialPlate*	1
12	4872075~DXR288-01	-	2017/03/09 8:40:58 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	12	*54VialPlate*	1
13	4872075~DXR289-01:100x	Not reported	2017/03/09 8:46:02 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	13	*54VialPlate*	1
14	4872075~DXR290-01:100x	Reported for PFHxS, PFOS and 6:2-FTS only	2017/03/09 8:51:06 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	14	*54VialPlate*	1
15	4872075~DXR291-01:100x	Not reported	2017/03/09 8:56:10 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	15	*54VialPlate*	1
16	4872075~DXR292-01:100x	Not reported	2017/03/09 9:01:15 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	16	*54VialPlate*	1
17	4872075~DXR292-01:D1:100x	Not reported	2017/03/09 9:06:19 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	17	*54VialPlate*	1
18	4872075~DXR293-01:100x	Not reported	2017/03/09 9:11:23 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	18	*54VialPlate*	1
19	4872075~DXR294-01:100x	Not reported	2017/03/09 9:16:26 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	19	*54VialPlate*	1
20	CCV	-	2017/03/09 9:21:31 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	6	*54VialPlate*	1
21	CCV	-	2017/03/09 9:57:01 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	6	*54VialPlate*	1
22	CCV	-	2017/03/09 10:02:05 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	6	*54VialPlate*	1
23	4872075~DXR289-01:50x	Reported for PFHxS, PFOS and 6:2-FTS only	2017/03/09 10:07:09 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	20	*54VialPlate*	1
24	4872075~DXR290-01:50x	Reported for PFHxA and PFOA only	2017/03/09 10:12:13 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	21	*54VialPlate*	1
25	rinse	-	2017/03/09 10:17:18 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	1	*54VialPlate*	1
26	4872075~DXR291-01:50x	Reported for PFHxS, PFOS and 6:2-FTS only	2017/03/09 10:22:21 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	22	*54VialPlate*	1
27	4872075~DXR292-01:50x	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only	2017/03/09 10:27:26 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	23	*54VialPlate*	1
28	4872075~DXR292-01:D1:50x	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only	2017/03/09 10:32:29 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	24	*54VialPlate*	1
29	4872075~DXR293-01:50x	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only	2017/03/09 10:37:33 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	25	*54VialPlate*	1
30	4872075~DXR294-01:50x	Reported for PFHxA, PFHxS, PFOS and 6:2-FTS only	2017/03/09 10:42:38 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	26	*54VialPlate*	1
31	4872075~DXR289-01:10x	Reported for all analytes, except PFHxS, PFOS and 6:2-FTS	2017/03/09 10:52:45 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	27	*54VialPlate*	1
32	CCV	-	2017/03/09 11:02:53 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	6	*54VialPlate*	1
33	4872075~DXR290-01:10x	Reinjected to check surrogate recovery	2017/03/09 11:31:06 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	28	*54VialPlate*	1
34	Rinse	-	2017/03/09 11:36:09 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	1	*54VialPlate*	1
35	4872075~DXR291-01:10x	Reinjected to check surrogate recovery	2017/03/09 11:41:14 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	29	*54VialPlate*	1
36	4872075~DXR292-01:10x	Reported for all analytes, except PFHxA, PFHxS, PFOS and 6:2-FTS	2017/03/09 11:46:17 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	30	*54VialPlate*	1
37	4872075~DXR292-01:D1:10x	Reported for all analytes, except PFHxA, PFHxS, PFOS and 6:2-FTS	2017/03/09 11:51:22 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	31	*54VialPlate*	1
38	4872075~DXR293-01:10x	Reported for all analytes, except PFHxA, PFHxS, PFOS and 6:2-FTS	2017/03/09 11:56:26 AM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	32	*54VialPlate*	1
39	4872075~DXR294-01:10x	Reported for all analytes, except PFHxA, PFHxS, PFOS and 6:2-FTS	2017/03/09 12:01:31 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	33	*54VialPlate*	1
40	4872075~DXR290-01:10x	Reinjection, reported for all analytes, except PFHxA, PFHxS, PFOA, PFOS & 6:2-FTS	2017/03/09 12:11:39 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	28	*54VialPlate*	1
41	Rinse	-	2017/03/09 12:16:43 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	1	*54VialPlate*	1
42	4872075~DXR291-01:10x	Reinjection, reported for all analytes, except PFHxS, PFOS and 6:2-FTS	2017/03/09 12:21:47 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	29	*54VialPlate*	1
43	CCV	-	2017/03/09 12:26:51 PM	PFC_Water_Low.dam	PFC_170308\WS#4872075.wiff	2 Well Plates	1	6	*54VialPlate*	1

Maxxam Analytics

Maxxam Analytics

	Sample ID	Sample Annotation	Acquisition Date	Acquisition Method	File Name	Rack Type	Rack Position	Vial Position	Plate Type	Plate Position
1	4872075~BLANK	-	2017/03/03 5:38:58 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	33	*54VialPlate*	2
2	Std 1	-	2017/03/03 5:41:32 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	34	*54VialPlate*	2
3	Std 2	-	2017/03/03 5:44:06 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	35	*54VialPlate*	2
4	Std 3	-	2017/03/03 5:46:41 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	36	*54VialPlate*	2
5	Std 4	-	2017/03/03 5:49:15 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	37	*54VialPlate*	2
6	Std 5	-	2017/03/03 5:51:48 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	38	*54VialPlate*	2
7	Std 6	-	2017/03/03 5:54:22 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	39	*54VialPlate*	2
8	ICV	-	2017/03/03 5:56:56 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	40	*54VialPlate*	2
9	CCV	-	2017/03/03 5:59:29 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	37	*54VialPlate*	2
10	4872075~SPIKE	-	2017/03/03 6:02:03 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	41	*54VialPlate*	2
11	4872075~SPIKE:D1	-	2017/03/03 6:04:37 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	42	*54VialPlate*	2
12	4872075~DXR288-01	-	2017/03/03 6:07:11 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	43	*54VialPlate*	2
13	4872075~DXR289-01:100x	Results not used	2017/03/03 6:09:44 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	44	*54VialPlate*	2
14	4872075~DXR290-01:100x	Results not used	2017/03/03 6:12:18 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	45	*54VialPlate*	2
15	4872075~DXR291-01:100x	Results not used	2017/03/03 6:14:52 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	46	*54VialPlate*	2
16	4872075~DXR292-01:100x	Results not used	2017/03/03 6:17:27 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	47	*54VialPlate*	2
17	4872075~DXR292-01:D1:100x	Results not used	2017/03/03 6:20:01 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	48	*54VialPlate*	2
18	4872075~DXR293-01:100x	Results not used	2017/03/03 6:22:35 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	49	*54VialPlate*	2
19	4872075~DXR294-01:100x	Results not used	2017/03/03 6:25:08 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	50	*54VialPlate*	2
20	CCV	-	2017/03/03 6:27:42 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	37	*54VialPlate*	2
21	4872075~DXR289-01:50x	Results not used	2017/03/03 6:30:15 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	32	*54VialPlate*	1
22	4872075~DXR290-01:50x	Results not used	2017/03/03 6:32:49 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	33	*54VialPlate*	1
23	rinse	-	2017/03/03 6:35:23 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	1	*54VialPlate*	1
24	4872075~DXR291-01:50x	Results not used	2017/03/03 6:37:56 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	34	*54VialPlate*	1
25	4872075~DXR292-01:50x	Results not used	2017/03/03 6:40:31 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	35	*54VialPlate*	1
26	4872075~DXR292-01:D1:50x	Results not used	2017/03/03 6:43:04 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	36	*54VialPlate*	1
27	4872075~DXR293-01:50x	Results not used	2017/03/03 6:45:38 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	37	*54VialPlate*	1
28	4872075~DXR294-01:50x	Results not used	2017/03/03 6:48:12 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	38	*54VialPlate*	1
29	CCV	-	2017/03/03 6:50:47 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	37	*54VialPlate*	2
30	4872075~DXR289-01:10x	-	2017/03/03 6:53:21 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	39	*54VialPlate*	1
31	4872075~DXR290-01:10x	-	2017/03/03 6:55:55 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	40	*54VialPlate*	1
32	Rinse	-	2017/03/03 6:58:29 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	1	*54VialPlate*	1
33	4872075~DXR291-01:10x	-	2017/03/03 7:01:02 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	41	*54VialPlate*	1
34	4872075~DXR292-01:10x	-	2017/03/03 7:03:36 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	42	*54VialPlate*	1
35	4872075~DXR292-01:D1:10x	-	2017/03/03 7:06:10 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	43	*54VialPlate*	1
36	4872075~DXR293-01:10x	-	2017/03/03 7:08:44 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	44	*54VialPlate*	1
37	4872075~DXR294-01:10x	-	2017/03/03 7:11:19 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	45	*54VialPlate*	1
38	CCV	-	2017/03/03 7:13:53 AM	PFC_Water_Low_FOSAA.dam	PFC_170301\WS#4872075_FOSAA.wiff	2 Well Plates	1	37	*54VialPlate*	2



5. Initial Calibration

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

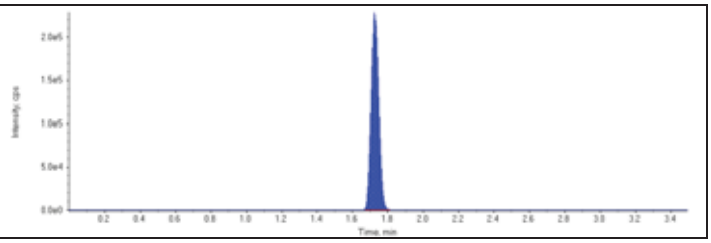
Sample ID	STD 1	**Injection Volume (µL)**	3
Sample Type	Standard	**Injection Vial**	3
Acquisition Date	2017/02/27 3:47:55 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	687000.	1.73	1.00	-
MPFHxA	2470000.	1.47	1.00	-
MPFHpA	2400000.	1.72	1.00	-
MPFOA	2260000.	1.89	1.00	-
MPFOS	945000.	2.01	1.00	-
MPFNA	2500000.	2.03	1.00	-
MPFDA	2300000.	2.15	1.00	-
MPFUnA	2040000.	2.24	1.00	-
MPFDoA	1620000.	2.33	1.00	-
MPFTeDA	1320000.	2.46	1.00	-
M2 6:2 FTS	783000.	1.86	1.00	-
M2 8:2 FTS	689000.	2.12	1.00	-
13C6-PFHxA IS	1880000.	1.46	1.00	-
13C9-PFDA IS	5290000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	193000	1.19	0.800	0.826	103.0
PFHxA 1	277000	1.47	0.800	0.741	92.7
PFHxS 1	138000	1.73	0.800	0.794	99.3
PFHpA 1	173000	1.72	0.800	0.767	95.8
PFOA 1	151000	1.89	0.800	0.725	90.7
PFOS 1	103000	2.01	0.800	0.841	105.0
PFNA 1	154000	2.03	0.800	0.726	90.8
PFDA 1	232000	2.15	0.800	0.719	89.9
PFUnA 1	226000	2.24	0.800	0.744	93.0
PFDoA 1	183000	2.33	0.800	0.721	90.2
PFTrDA 1	164000	2.40	0.800	0.838	105.0
PFTeDA 1	143000	2.46	0.800	0.784	98.0
6:2-FTS 1	42500	1.86	0.800	0.928	116.0
8:2-FTS 1	79400	2.12	0.800	0.820	103.0
13C2-PFHxA	2470000	1.47	100.	108.	108.0
18O2-PFHxS	687000	1.73	100.	109.	109.0
13C4-PFHpA	2400000	1.72	100.	111.	111.0
13C4-PFOA	2260000	1.89	100.	109.	109.0
13C4-PFOS	945000	2.01	100.	112.	112.0
13C5-PFNA	2500000	2.03	100.	116.	116.0
13C2-PFDA	2300000	2.15	100.	93.8	93.8
13C2-PFUnA	2040000	2.24	100.	106.	106.0
13C2-PFDoA	1620000	2.33	100.	93.0	93.0
13C2-PFTeDA	1320000	2.46	100.	96.1	96.1
13C2-8:2 FTS	689000	2.12	100.	109.	109.0
13C6-PFHxA	1880000	1.46	100.	92.7	92.7
13C9-PFDA	5290000	2.14	100.	103.	103.0
13C2-6:2-FTS	783000	1.86	100.	117.	117.0

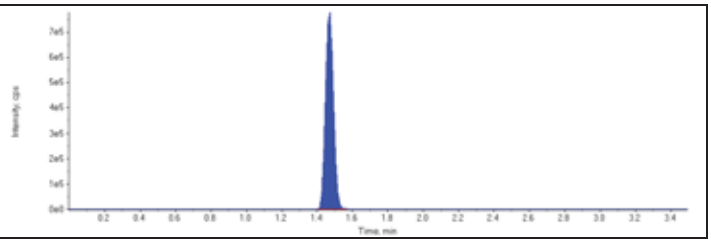
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



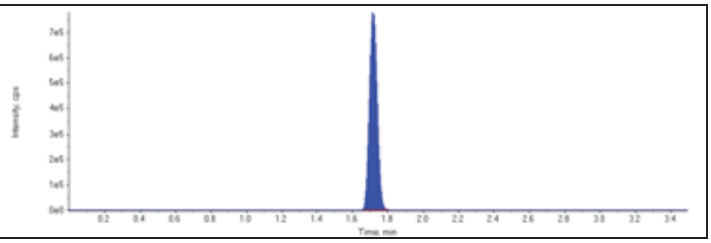
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



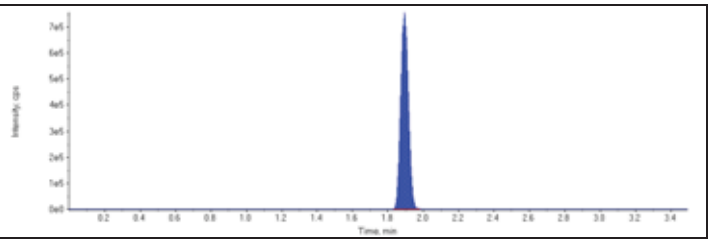
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



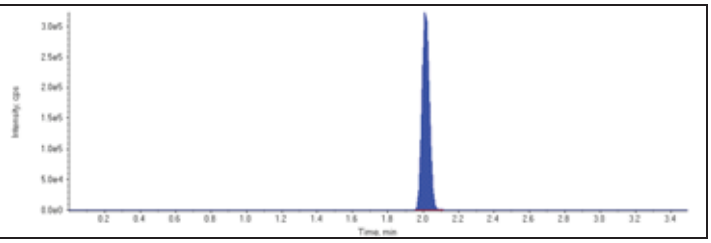
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



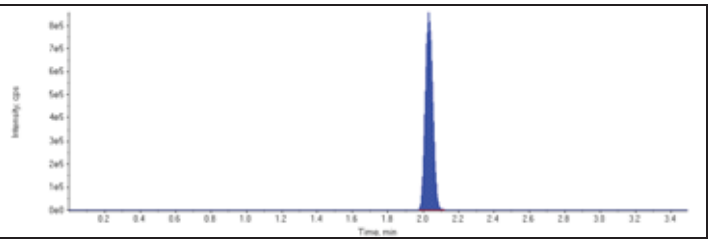
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



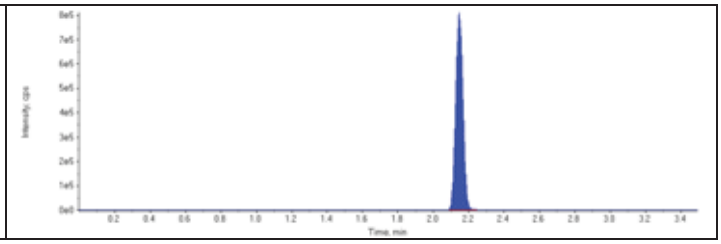
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



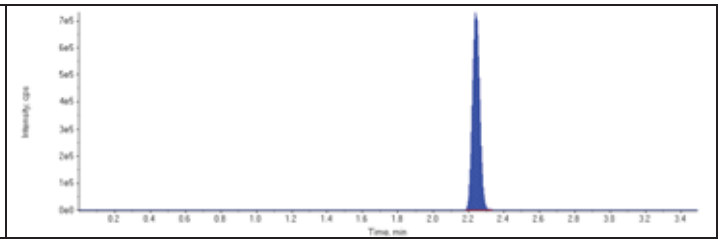
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



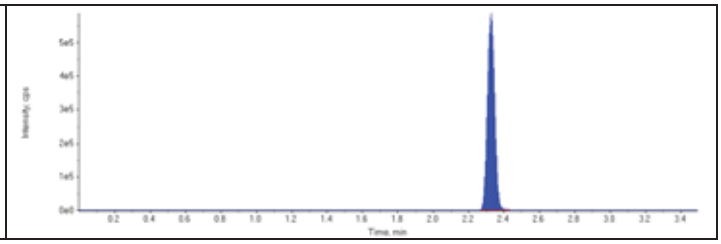
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



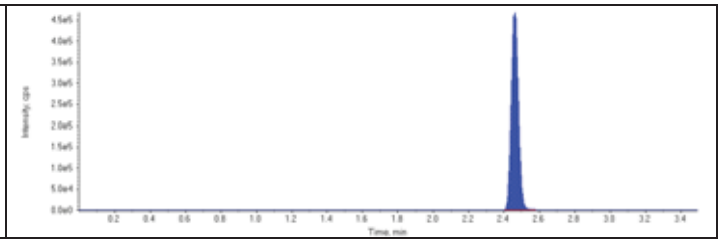
MPFDoA (Internal Standard)

RT (Exp. RT): 2.33(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



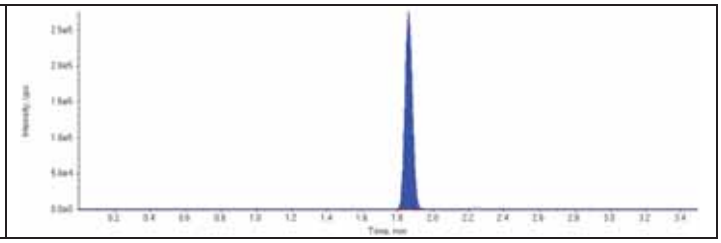
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



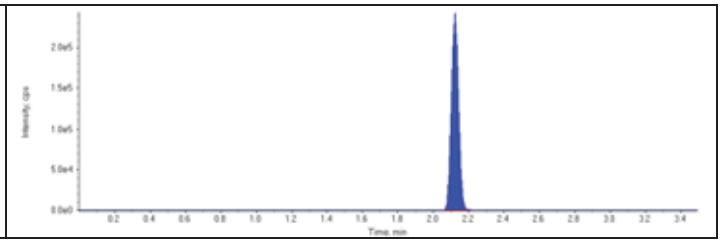
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



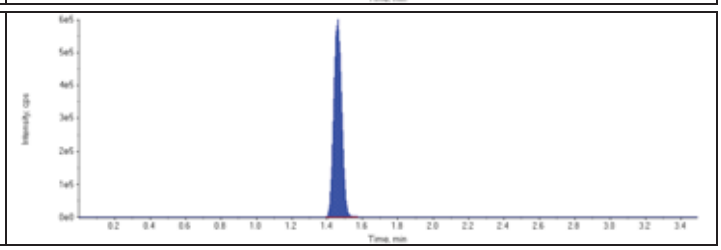
M2 8:2 FTS (Internal Standard)

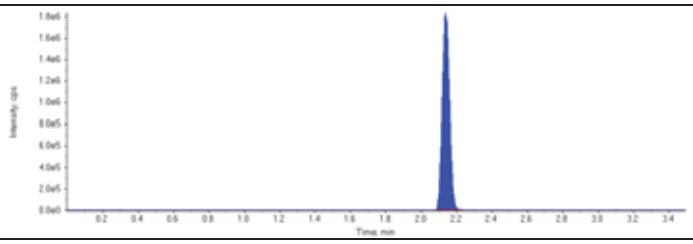
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

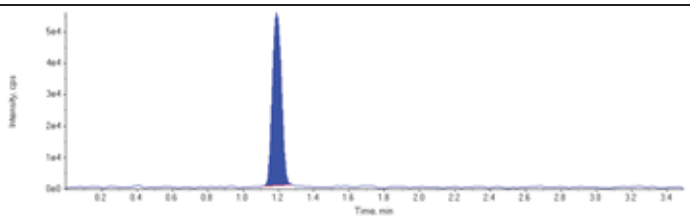
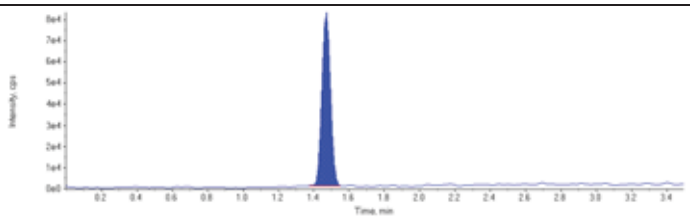
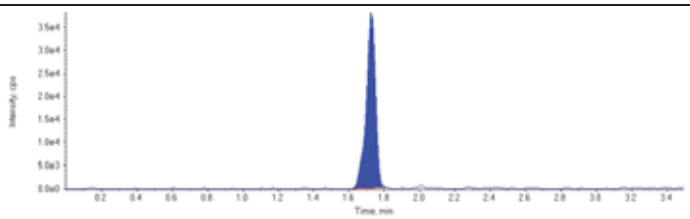
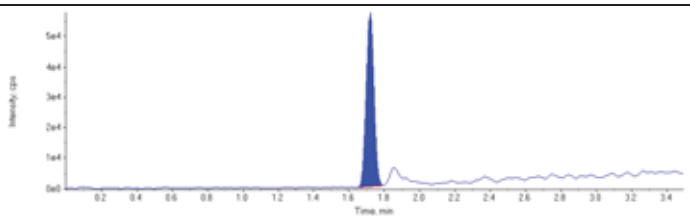
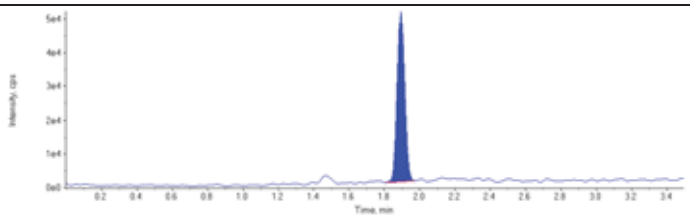
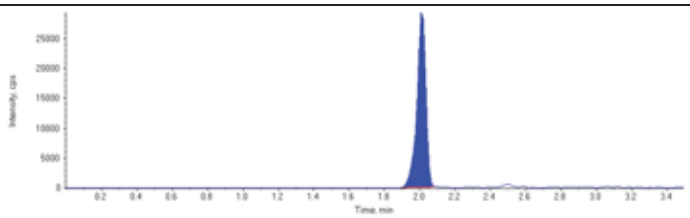


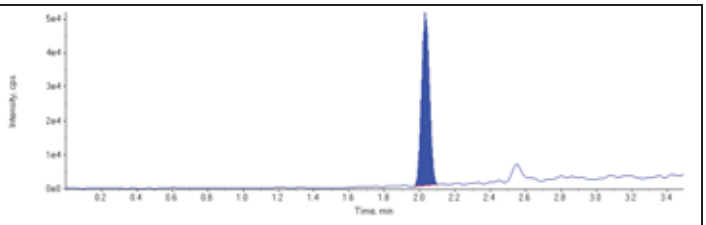
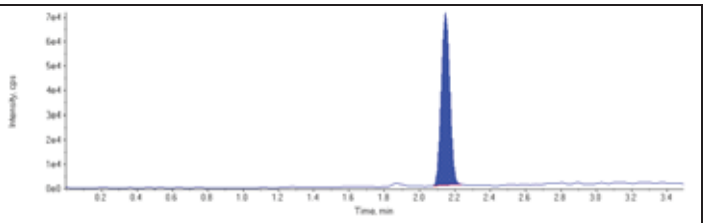
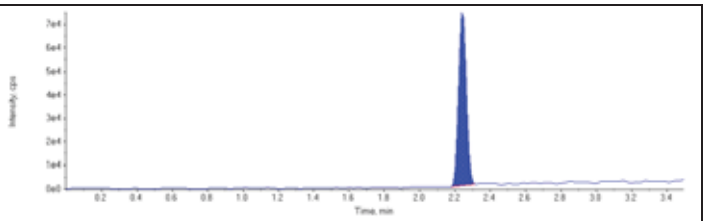
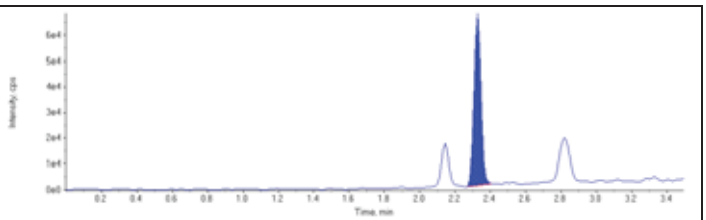
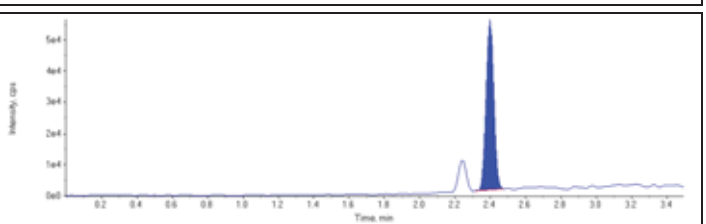
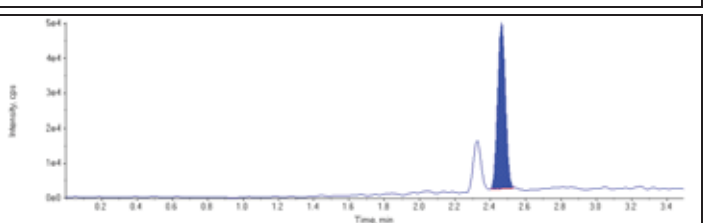
13C6-PFHxA IS (Internal Standard)

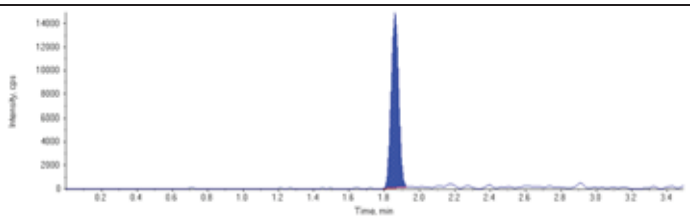
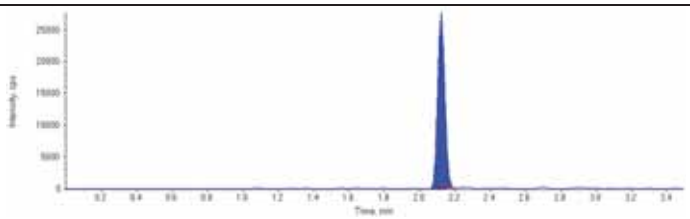
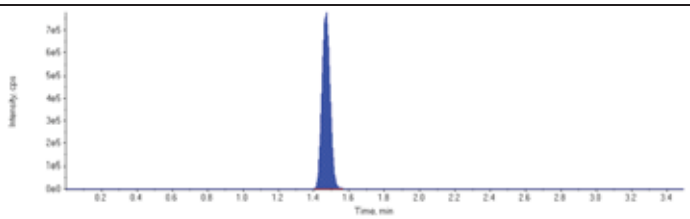
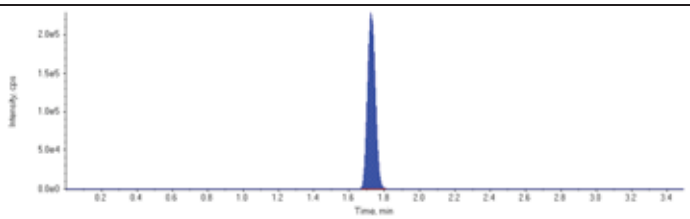
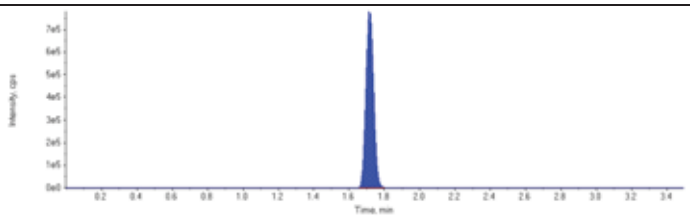
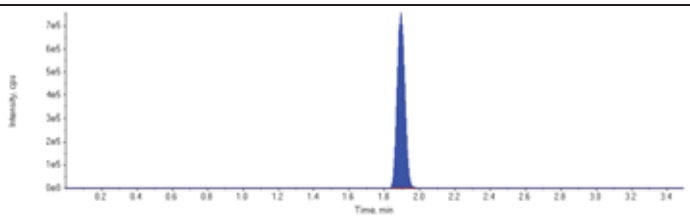
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

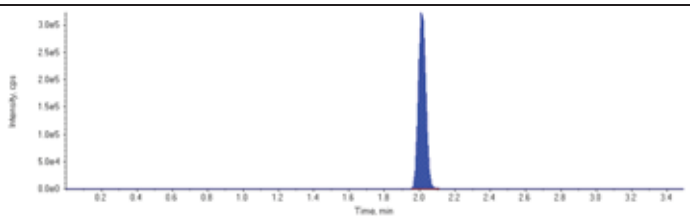
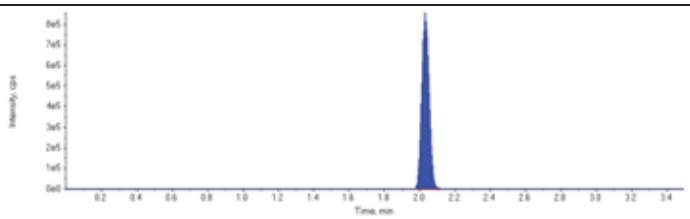
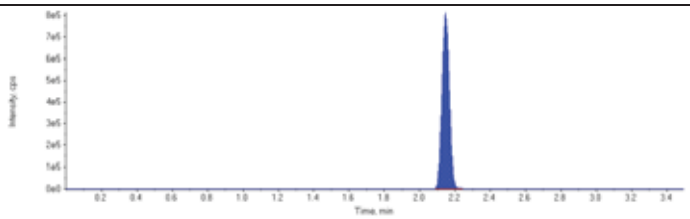
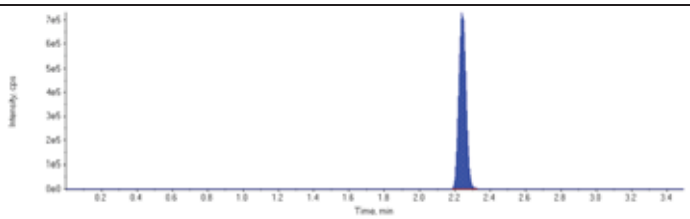
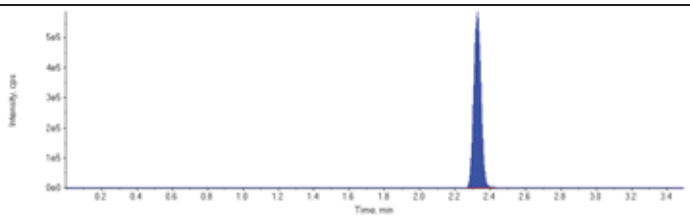
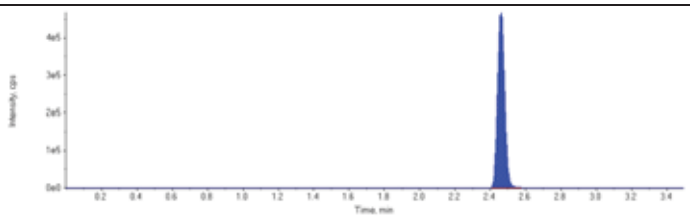


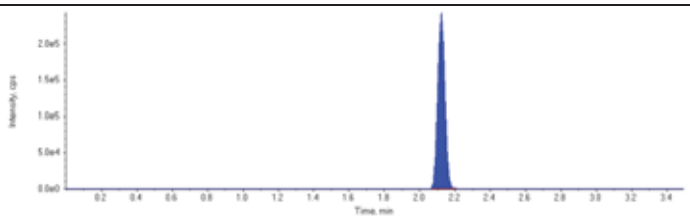
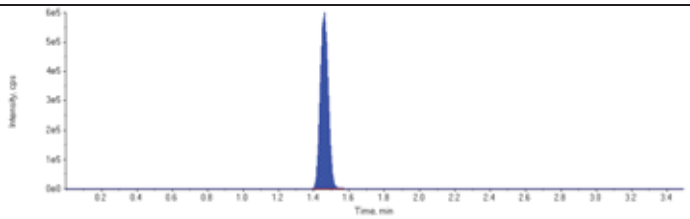
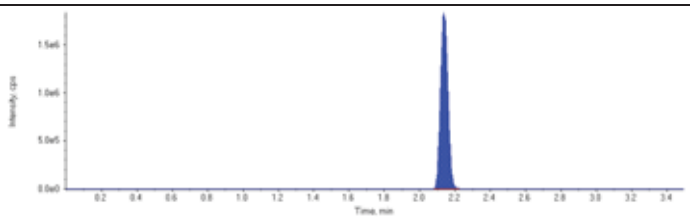
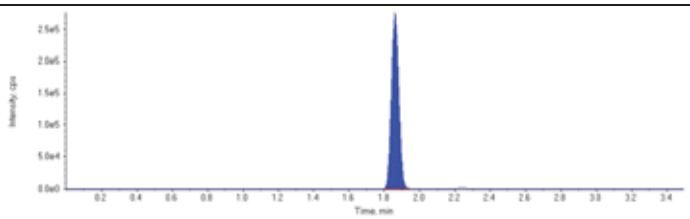
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 0.826 µg/L Area Ratio: 0.280 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 0.741 µg/L Area Ratio: 0.112 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 0.794 µg/L Area Ratio: 0.201 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 0.767 µg/L Area Ratio: 0.0722 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 0.725 µg/L Area Ratio: 0.0668 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 0.841 µg/L Area Ratio: 0.109 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.726 µg/L Area Ratio: 0.0616 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 0.719 µg/L Area Ratio: 0.101 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 0.744 µg/L Area Ratio: 0.111 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 0.721 µg/L Area Ratio: 0.113 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 0.838 µg/L Area Ratio: 0.125 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 0.784 µg/L Area Ratio: 0.108 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 0.928 µg/L Area Ratio: 0.0543 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 0.820 µg/L Area Ratio: 0.115 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 108. µg/L Area Ratio: 1.32 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 109. µg/L Area Ratio: 0.366 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 111. µg/L Area Ratio: 1.28 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 109. µg/L Area Ratio: 1.20 Sample Type: (Standard)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 112. µg/L Area Ratio: 0.504 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 116. µg/L Area Ratio: 1.33 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 93.8 µg/L Area Ratio: 0.434 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 106. µg/L Area Ratio: 0.386 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 93.0 µg/L Area Ratio: 0.307 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 96.1 µg/L Area Ratio: 0.249 Sample Type: (Standard)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 109. µg/L Area Ratio: 0.367 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 92.7 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 103. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 117. µg/L Area Ratio: 0.417 Sample Type: (Standard)	

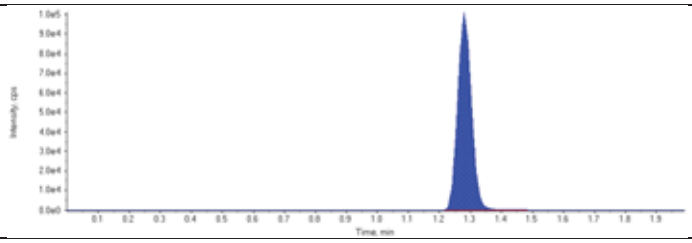
Sample ID	STD 1	**Injection Volume (µL)**	2
Sample Type	Standard	**Injection Vial**	3
Acquisition Date	2017/02/27 8:43:59 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	308000.	1.28	1.00	-
D5-EtFOSAA IS	297000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	37700	1.29	0.800	0.762	95.2
EtFOSAA 1	32600	1.31	0.800	0.804	101.0
13C9-PFDA	2500000	0.935	100.	95.7	95.7

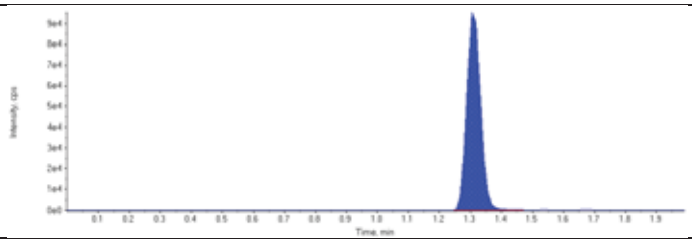
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



D5-EtFOSAA IS (Internal Standard)

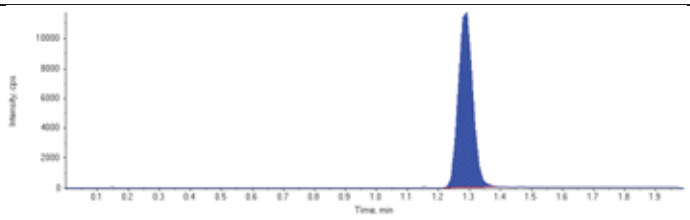
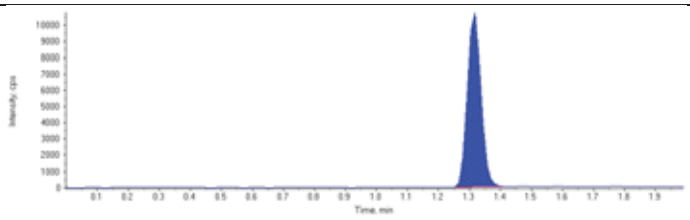
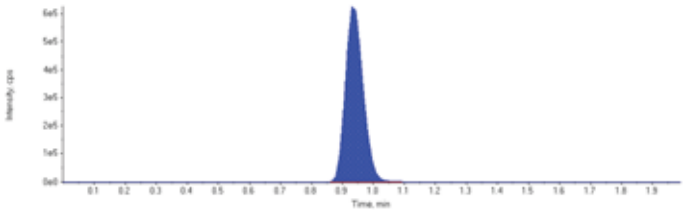
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Standard)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 0.762 µg/L Area Ratio: 0.122 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.31 (1.31) min Calculated Conc: 0.804 µg/L Area Ratio: 0.110 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.935 (0.855) min Calculated Conc: 95.7 µg/L Area Ratio: 0.00 Sample Type: (Standard)	

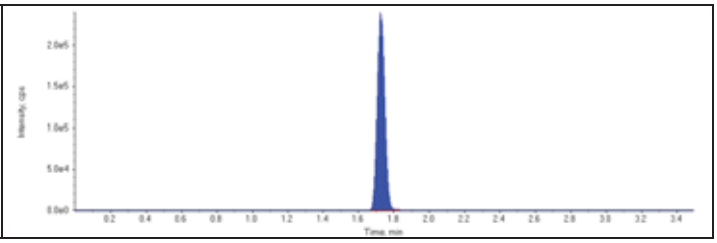
Sample ID	STD 2	**Injection Volume (µL)**	3
Sample Type	Standard	**Injection Vial**	4
Acquisition Date	2017/02/27 3:53:01 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	707000.	1.73	1.00	-
MPFHxA	2460000.	1.47	1.00	-
MPFHpA	2230000.	1.72	1.00	-
MPFOA	2270000.	1.89	1.00	-
MPFOS	889000.	2.01	1.00	-
MPFNA	2350000.	2.03	1.00	-
MPFDA	2370000.	2.15	1.00	-
MPFUnA	1860000.	2.24	1.00	-
MPFDoA	1850000.	2.32	1.00	-
MPFTeDA	1200000.	2.46	1.00	-
M2 6:2 FTS	685000.	1.86	1.00	-
M2 8:2 FTS	698000.	2.12	1.00	-
13C6-PFHxA IS	2230000.	1.46	1.00	-
13C9-PFDA IS	5540000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	394000	1.19	1.50	1.55	103.0
PFHxA 1	530000	1.47	1.50	1.54	103.0
PFHxS 1	270000	1.73	1.50	1.53	102.0
PFHpA 1	307000	1.72	1.50	1.53	102.0
PFOA 1	303000	1.90	1.50	1.55	103.0
PFOS 1	197000	2.01	1.50	1.60	107.0
PFNA 1	330000	2.03	1.50	1.68	112.0
PFDA 1	485000	2.15	1.50	1.60	107.0
PFUnA 1	429000	2.24	1.50	1.65	110.0
PFDoA 1	397000	2.32	1.50	1.51	101.0
PFTrDA 1	275000	2.40	1.50	1.62	108.0
PFTeDA 1	251000	2.46	1.50	1.59	106.0
6:2-FTS 1	61100	1.86	1.50	1.45	96.7
8:2-FTS 1	156000	2.12	1.50	1.57	105.0
13C2-PFHxA	2460000	1.47	100.	90.9	90.9
18O2-PFHxS	707000	1.73	100.	94.2	94.2
13C4-PFHpA	2230000	1.72	100.	86.6	86.6
13C4-PFOA	2270000	1.89	100.	92.3	92.3
13C4-PFOS	889000	2.01	100.	88.4	88.4
13C5-PFNA	2350000	2.03	100.	91.7	91.7
13C2-PFDA	2370000	2.15	100.	92.3	92.3
13C2-PFUnA	1860000	2.24	100.	92.2	92.2
13C2-PFDoA	1850000	2.32	100.	101.	101.0
13C2-PFTeDA	1200000	2.46	100.	83.5	83.5
13C2-8:2 FTS	698000	2.12	100.	92.9	92.9
13C6-PFHxA	2230000	1.46	100.	110.	110.0
13C9-PFDA	5540000	2.14	100.	108.	108.0
13C2-6:2-FTS	685000	1.86	100.	86.0	86.0

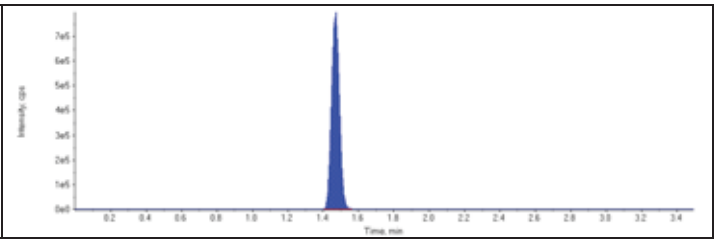
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



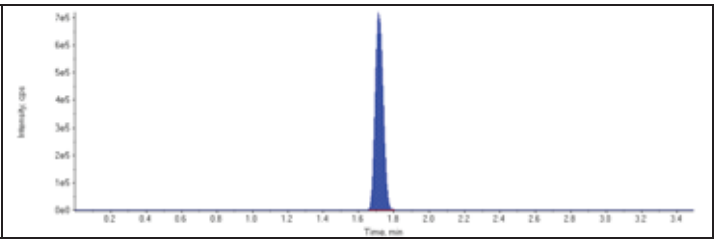
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



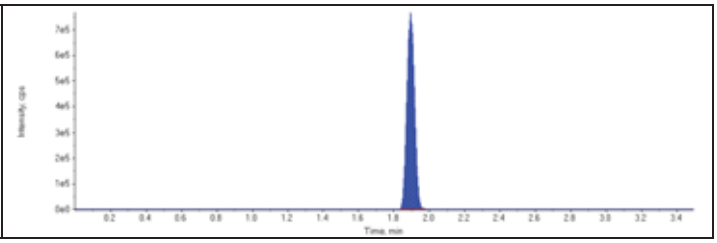
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



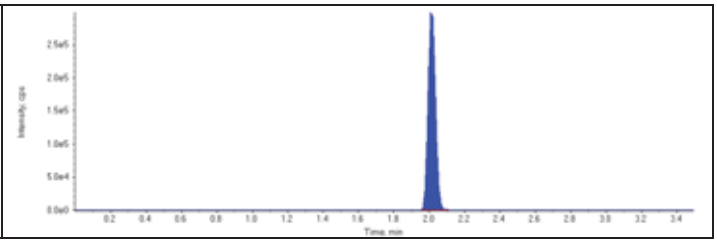
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



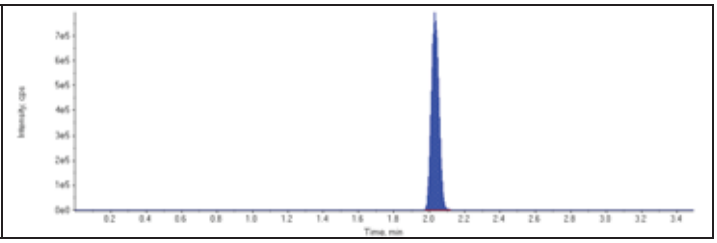
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



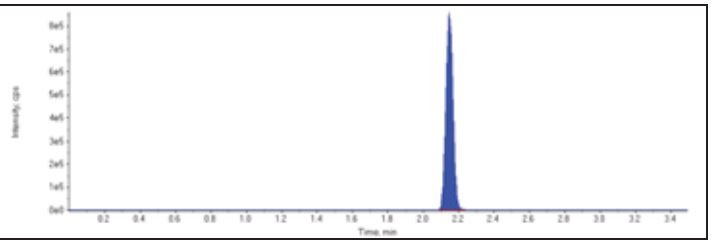
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



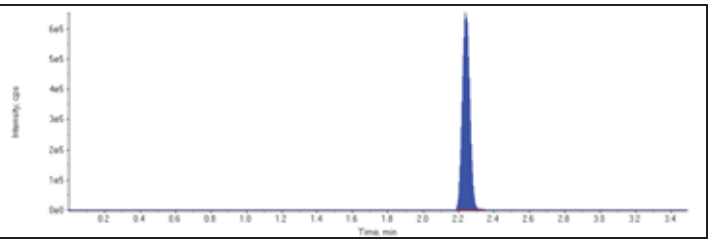
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



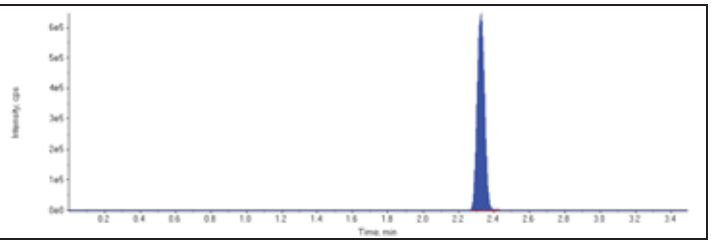
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



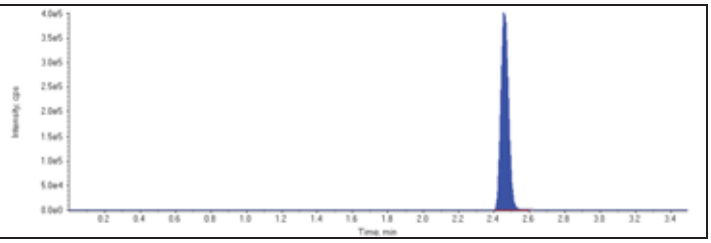
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



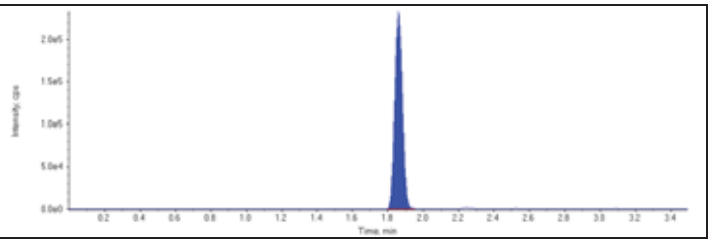
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



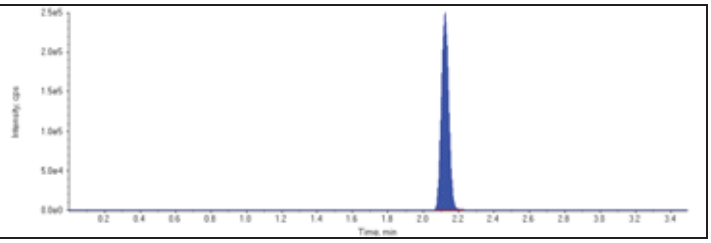
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



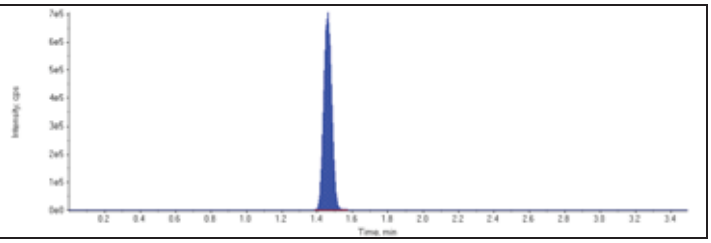
M2 8:2 FTS (Internal Standard)

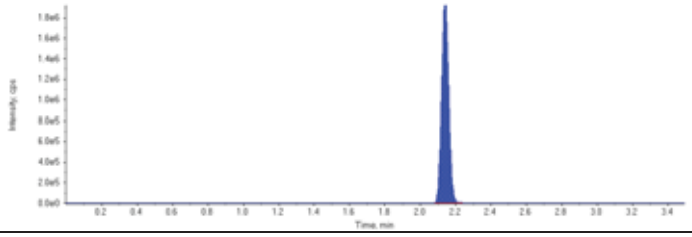
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

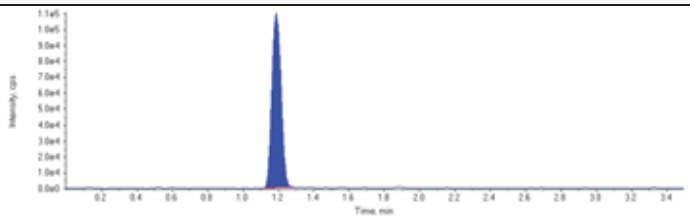
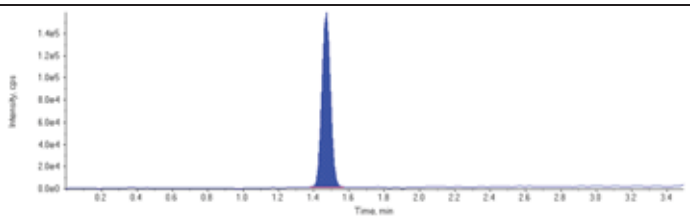
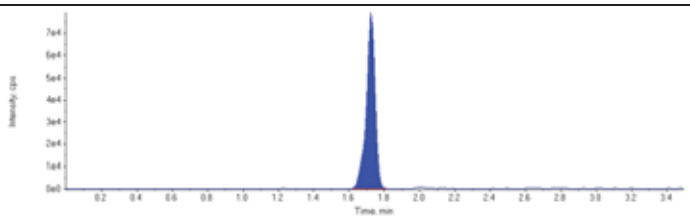
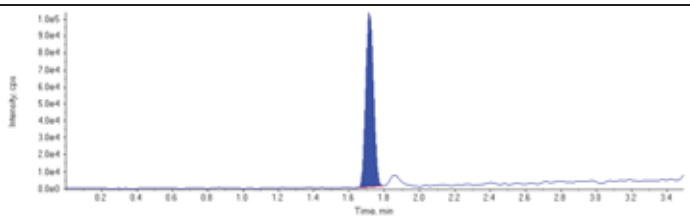
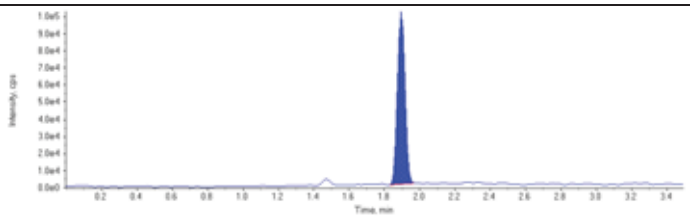
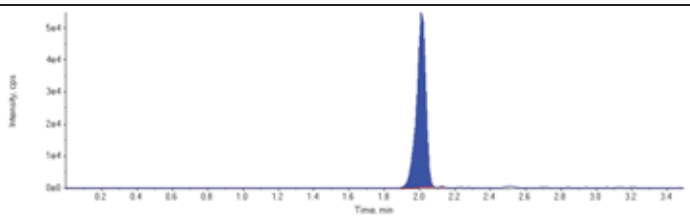


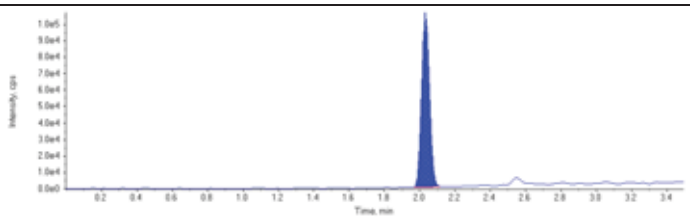
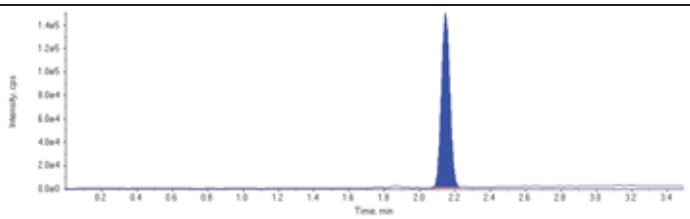
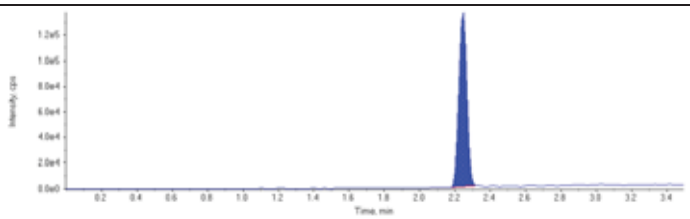
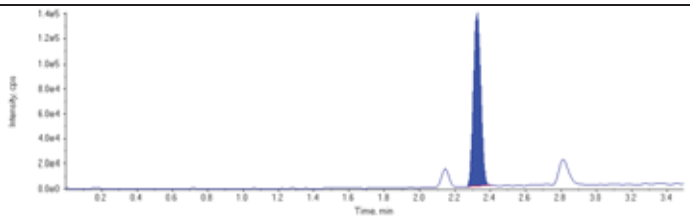
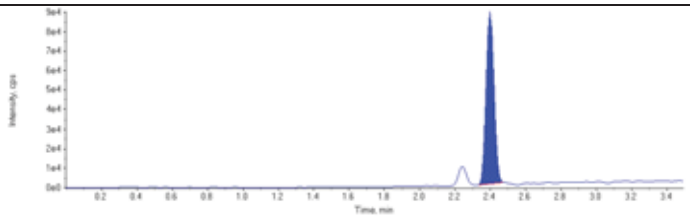
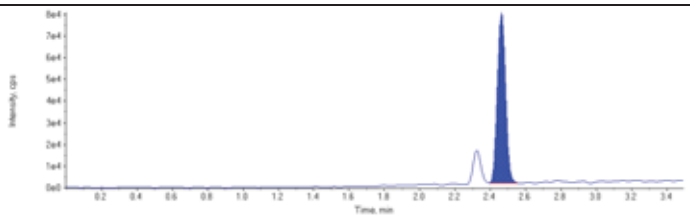
13C6-PFHxA IS (Internal Standard)

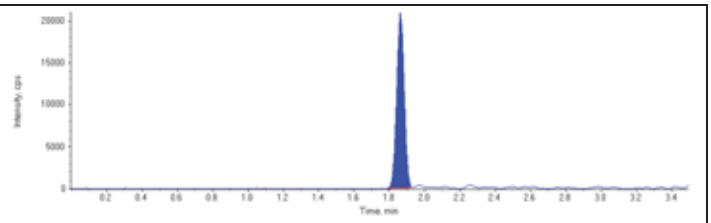
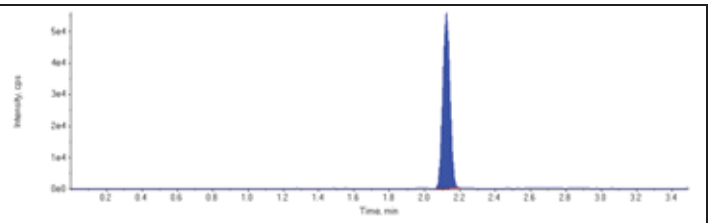
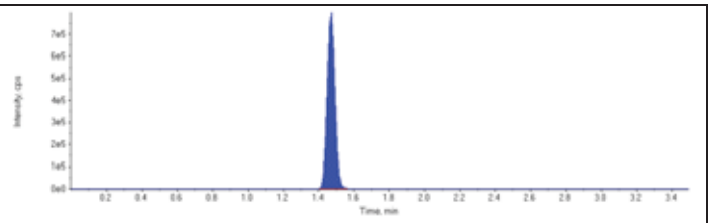
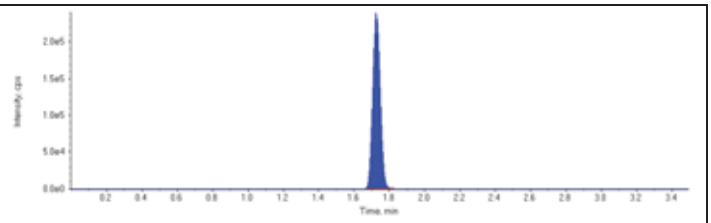
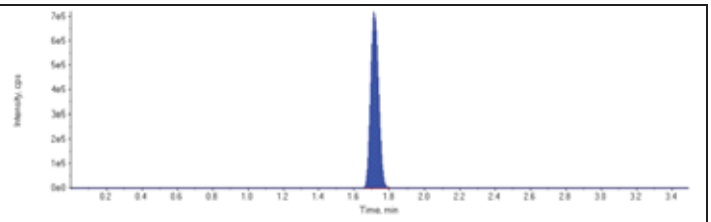
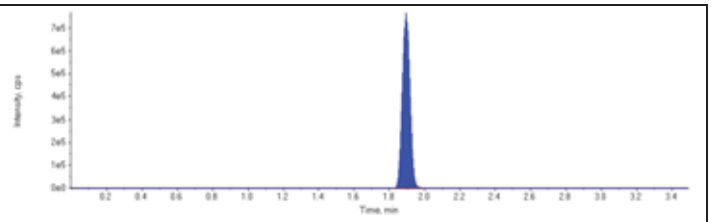
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

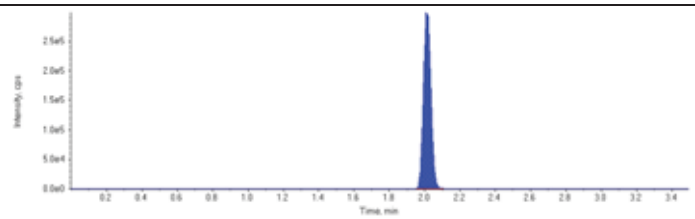
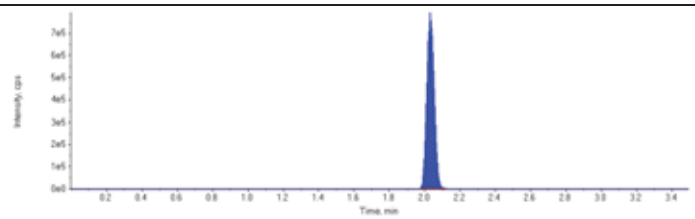
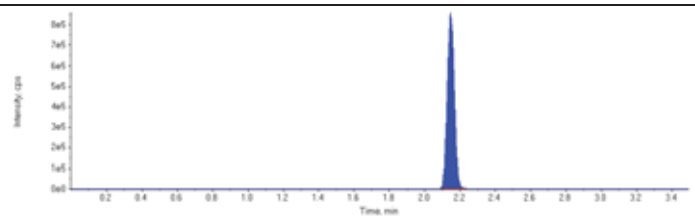
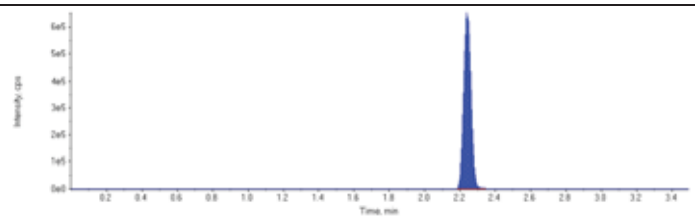
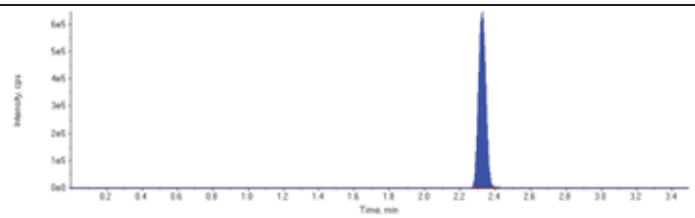
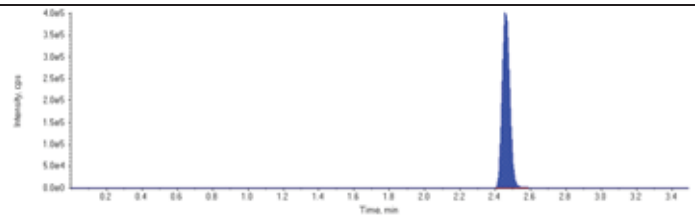


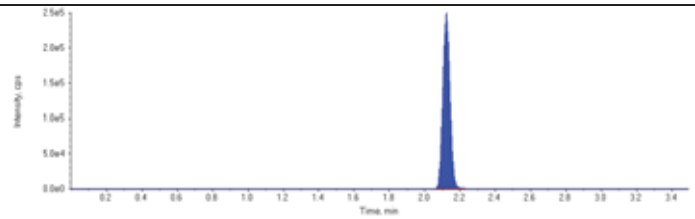
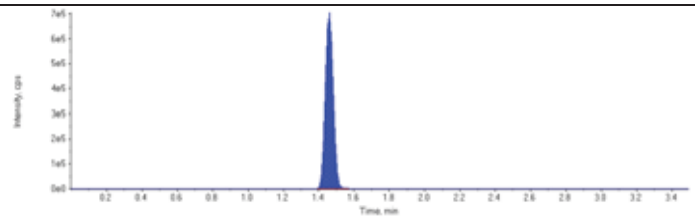
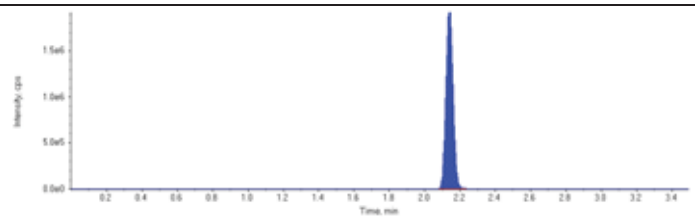
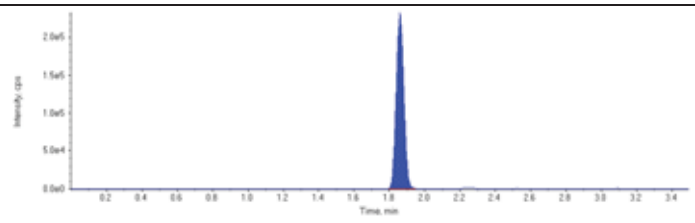
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 1.55 µg/L Area Ratio: 0.557 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 1.54 µg/L Area Ratio: 0.215 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 1.53 µg/L Area Ratio: 0.382 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 1.53 µg/L Area Ratio: 0.138 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.90 (1.88) min Calculated Conc: 1.55 µg/L Area Ratio: 0.133 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 1.60 µg/L Area Ratio: 0.221 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 1.68 µg/L Area Ratio: 0.140 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 1.60 µg/L Area Ratio: 0.204 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 1.65 µg/L Area Ratio: 0.230 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 1.51 µg/L Area Ratio: 0.215 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 1.62 µg/L Area Ratio: 0.230 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 1.59 µg/L Area Ratio: 0.209 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 1.45 µg/L Area Ratio: 0.0891 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 1.57 µg/L Area Ratio: 0.224 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 90.9 µg/L Area Ratio: 1.10 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 94.2 µg/L Area Ratio: 0.317 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 86.6 µg/L Area Ratio: 0.998 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 92.3 µg/L Area Ratio: 1.02 Sample Type: (Standard)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 88.4 µg/L Area Ratio: 0.399 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 91.7 µg/L Area Ratio: 1.05 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 92.3 µg/L Area Ratio: 0.427 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 92.2 µg/L Area Ratio: 0.336 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 101. µg/L Area Ratio: 0.334 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 83.5 µg/L Area Ratio: 0.216 Sample Type: (Standard)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 92.9 µg/L Area Ratio: 0.313 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 110. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 108. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 86.0 µg/L Area Ratio: 0.307 Sample Type: (Standard)	

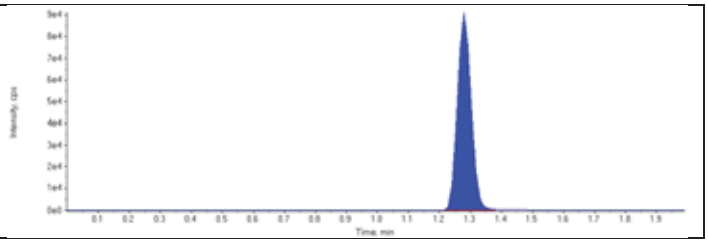
Sample ID	STD 2	**Injection Volume (µL)**	2
Sample Type	Standard	**Injection Vial**	4
Acquisition Date	2017/02/27 8:46:34 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	280000.	1.28	1.00	-
D5-EtFOSAA IS	294000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	71800	1.28	1.50	1.62	108.0
EtFOSAA 1	61900	1.31	1.50	1.52	101.0
13C9-PFDA	2930000	0.933	100.	112.	112.0

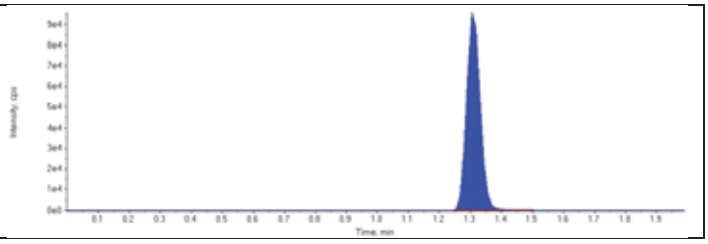
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



D5-EtFOSAA IS (Internal Standard)

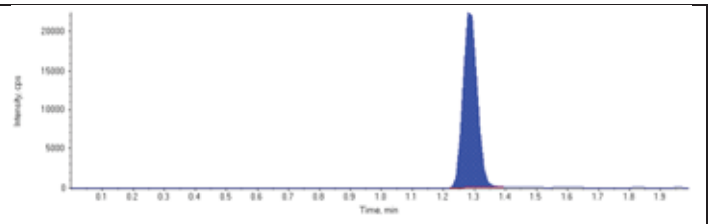
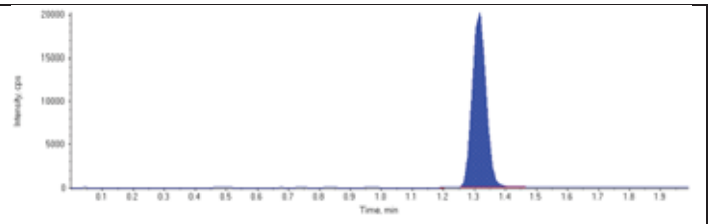
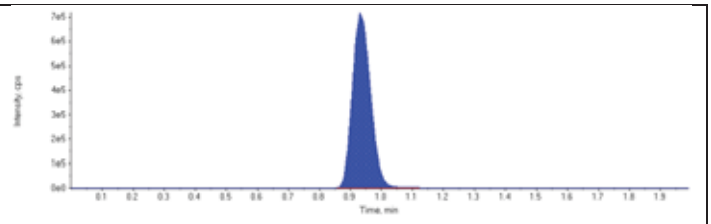
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Standard)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.28 (1.30) min Calculated Conc: 1.62 µg/L Area Ratio: 0.257 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.31 (1.31) min Calculated Conc: 1.52 µg/L Area Ratio: 0.210 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.933 (0.855) min Calculated Conc: 112. µg/L Area Ratio: 0.00 Sample Type: (Standard)	

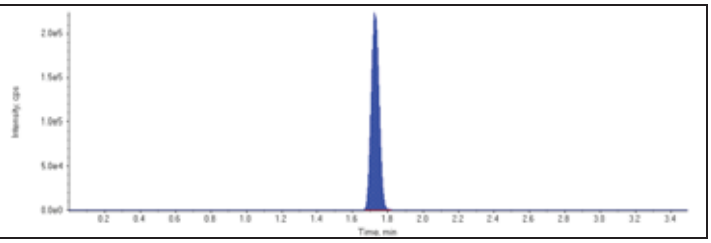
Sample ID	STD 3	**Injection Volume (µL)**	3
Sample Type	Standard	**Injection Vial**	5
Acquisition Date	2017/02/27 3:58:06 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	693000.	1.73	1.00	-
MPFHxA	2470000.	1.47	1.00	-
MPFHpA	2450000.	1.72	1.00	-
MPFOA	2230000.	1.89	1.00	-
MPFOS	925000.	2.01	1.00	-
MPFNA	2430000.	2.03	1.00	-
MPFDA	2500000.	2.15	1.00	-
MPFUnA	1830000.	2.24	1.00	-
MPFDoA	1660000.	2.32	1.00	-
MPFTeDA	1340000.	2.46	1.00	-
M2 6:2 FTS	768000.	1.86	1.00	-
M2 8:2 FTS	675000.	2.12	1.00	-
13C6-PFHxA IS	2050000.	1.46	1.00	-
13C9-PFDA IS	5030000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1450000	1.19	6.00	5.56	92.6
PFHxA 1	1890000	1.47	6.00	5.79	96.5
PFHxS 1	978000	1.73	6.00	5.74	95.6
PFHpA 1	1270000	1.72	6.00	5.91	98.5
PFOA 1	1140000	1.89	6.00	6.22	104.0
PFOS 1	734000	2.01	6.00	5.47	91.2
PFNA 1	1140000	2.03	6.00	5.67	94.6
PFDA 1	1740000	2.15	6.00	5.79	96.6
PFUnA 1	1470000	2.24	6.00	5.98	99.6
PFDoA 1	1320000	2.32	6.00	5.98	99.7
PFTrDA 1	990000	2.40	6.00	5.42	90.3
PFTeDA 1	963000	2.46	6.00	5.65	94.1
6:2-FTS 1	264000	1.86	6.00	5.28	88.0
8:2-FTS 1	538000	2.12	6.00	5.56	92.7
13C2-PFHxA	2470000	1.47	100.	99.2	99.2
18O2-PFHxS	693000	1.73	100.	100.	100.0
13C4-PFHpA	2450000	1.72	100.	104.	104.0
13C4-PFOA	2230000	1.89	100.	98.7	98.7
13C4-PFOS	925000	2.01	100.	100.	100.0
13C5-PFNA	2430000	2.03	100.	103.	103.0
13C2-PFDA	2500000	2.15	100.	107.	107.0
13C2-PFUnA	1830000	2.24	100.	99.7	99.7
13C2-PFDoA	1660000	2.32	100.	100.	100.0
13C2-PFTeDA	1340000	2.46	100.	103.	103.0
13C2-8:2 FTS	675000	2.12	100.	97.7	97.7
13C6-PFHxA	2050000	1.46	100.	101.	101.0
13C9-PFDA	5030000	2.14	100.	97.6	97.6
13C2-6:2-FTS	768000	1.86	100.	105.	105.0

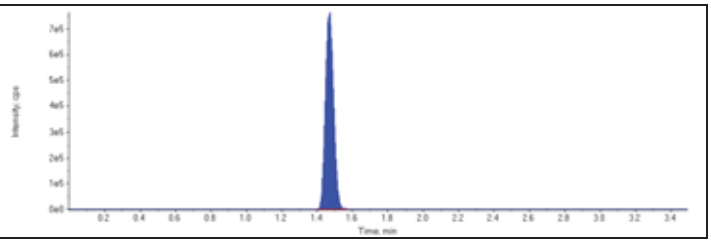
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



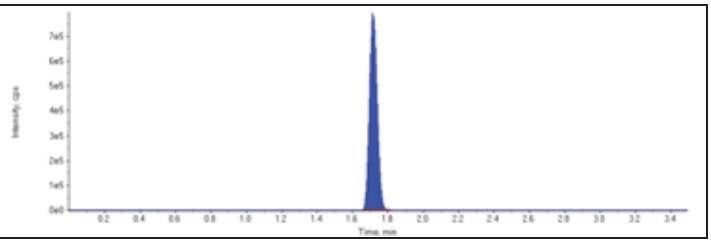
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



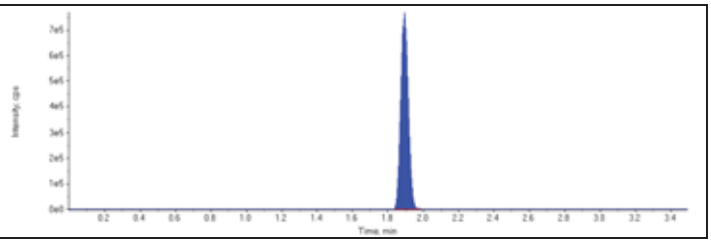
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



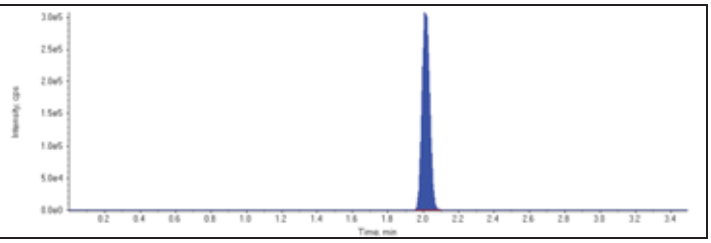
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



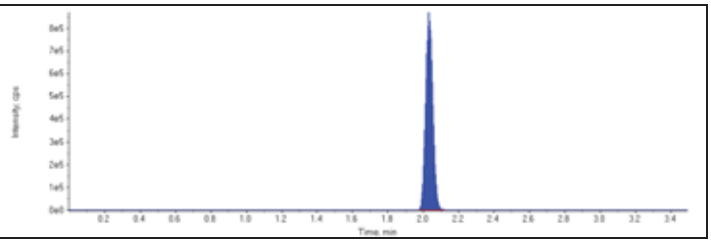
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



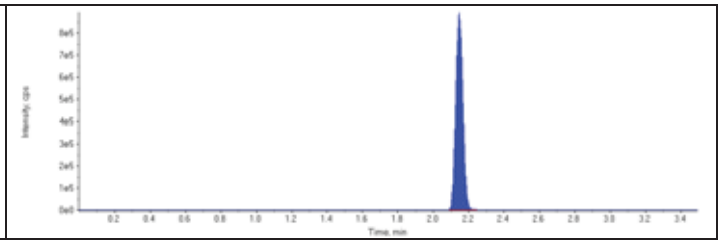
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



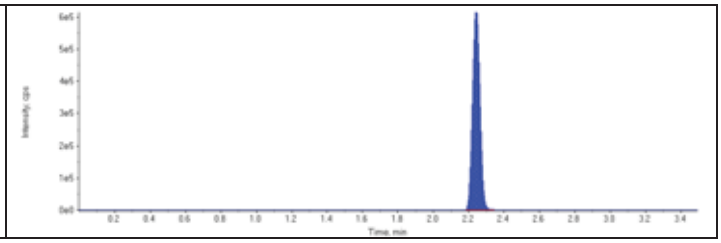
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



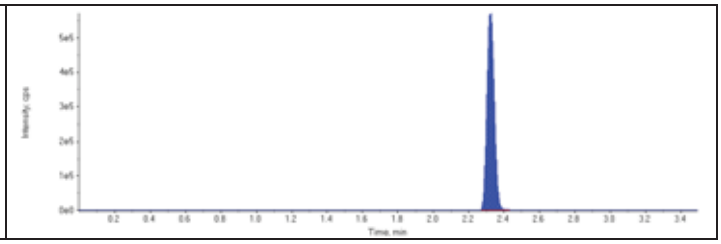
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



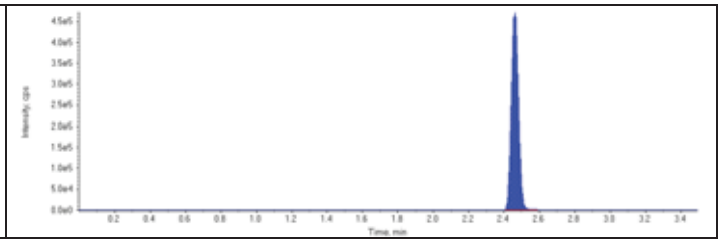
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



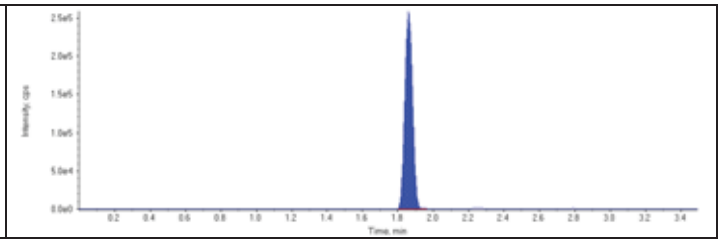
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



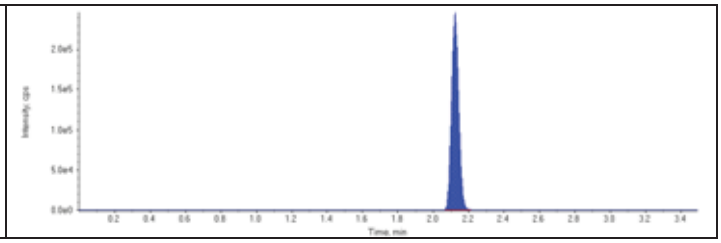
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



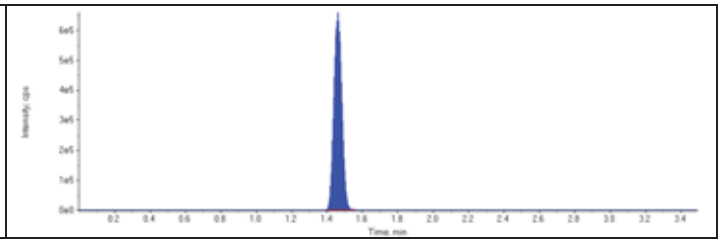
M2 8:2 FTS (Internal Standard)

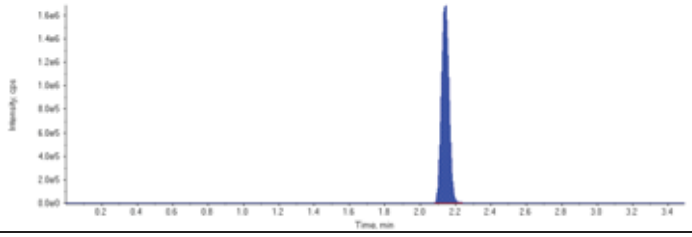
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

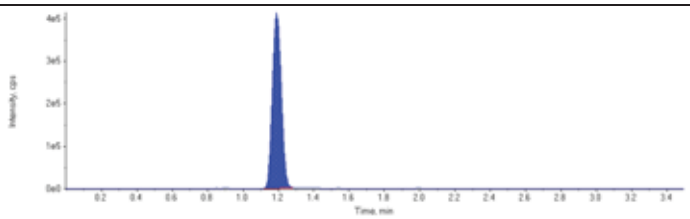
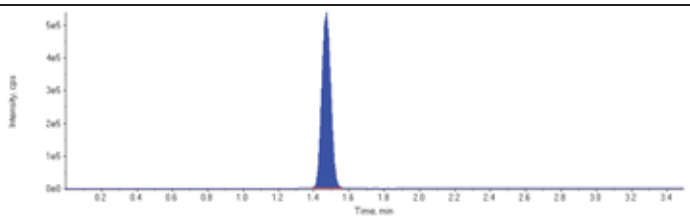
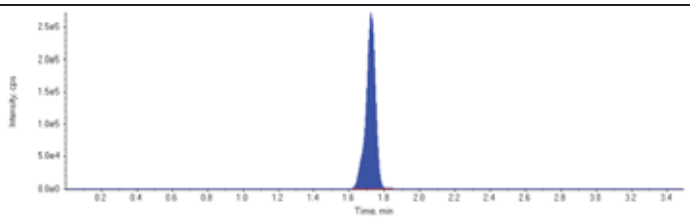
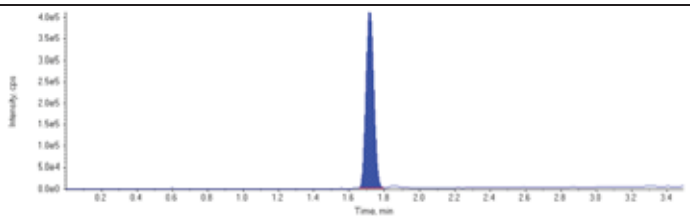
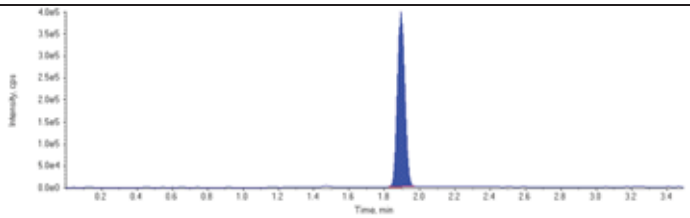
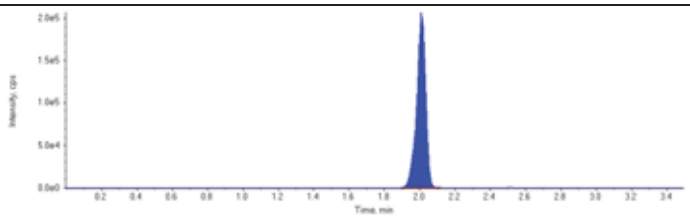


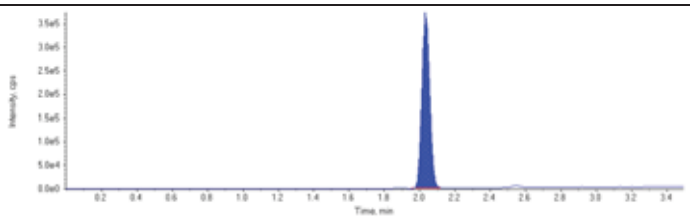
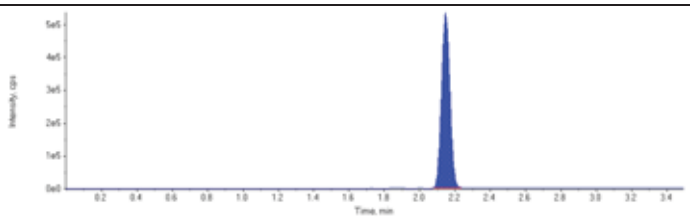
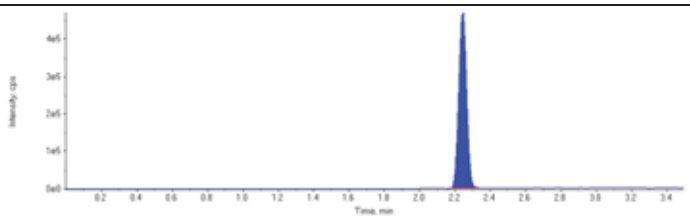
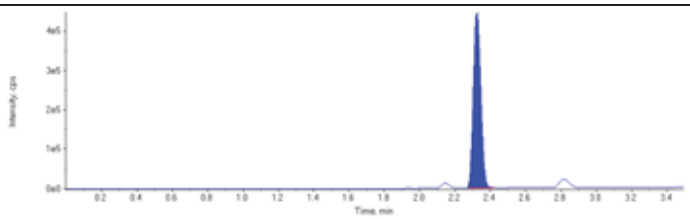
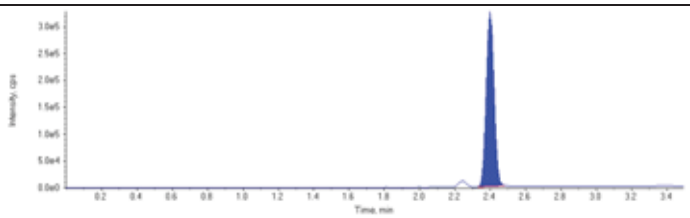
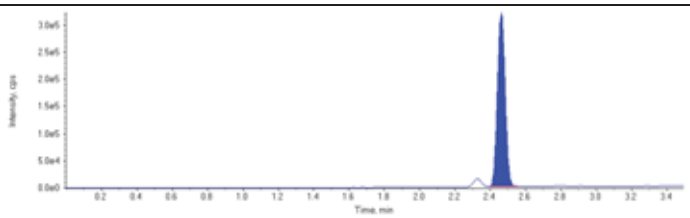
13C6-PFHxA IS (Internal Standard)

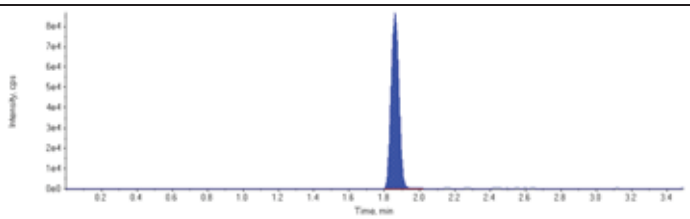
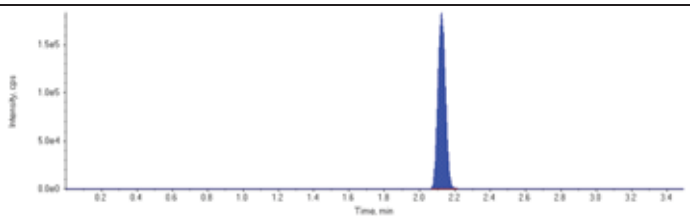
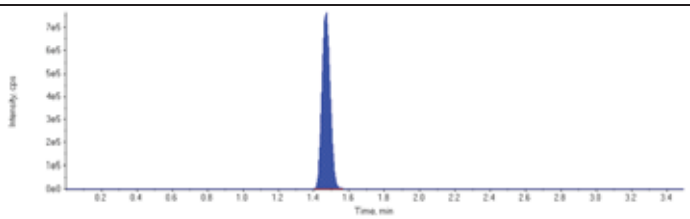
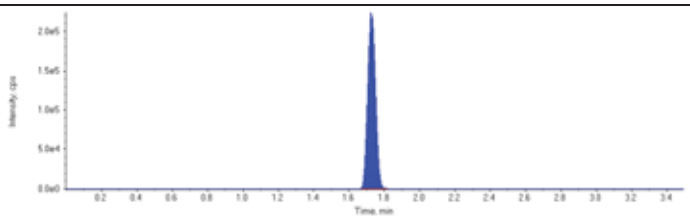
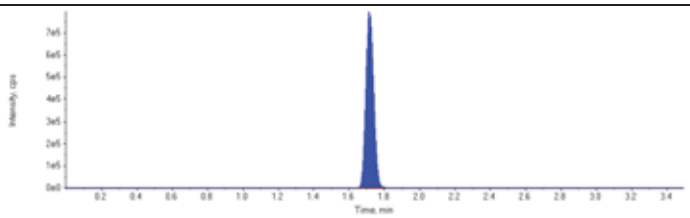
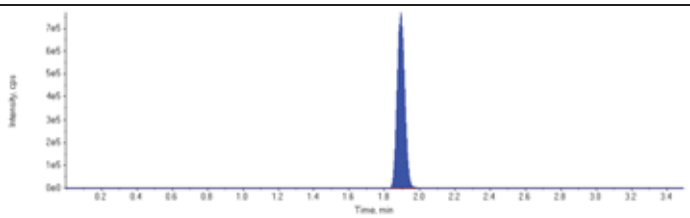
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

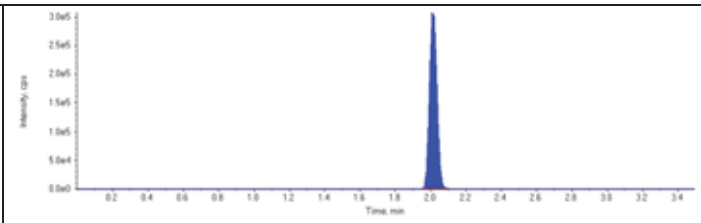
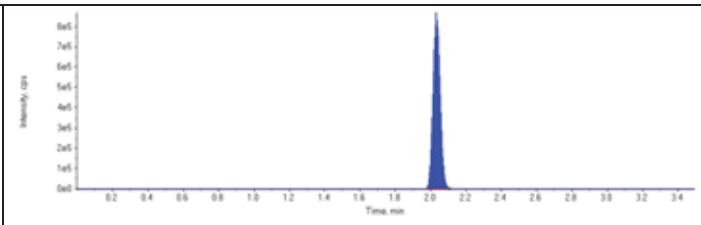
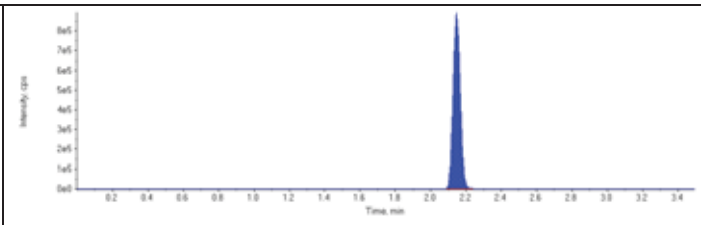
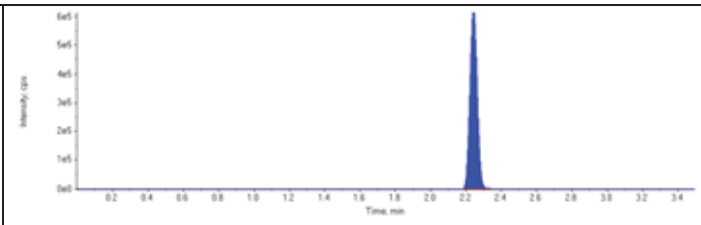
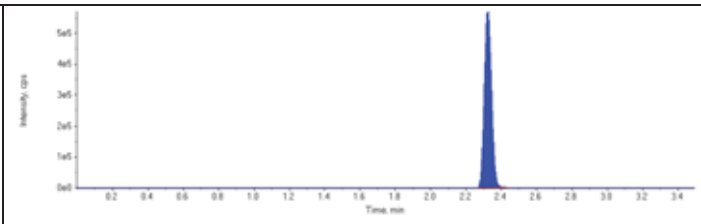
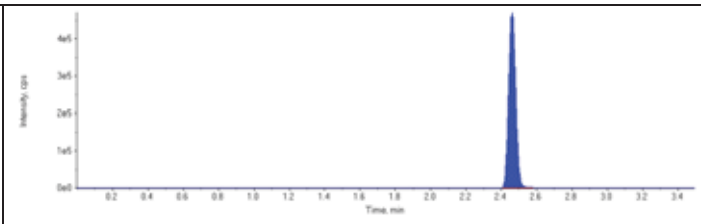


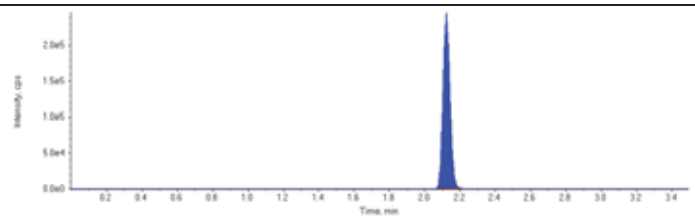
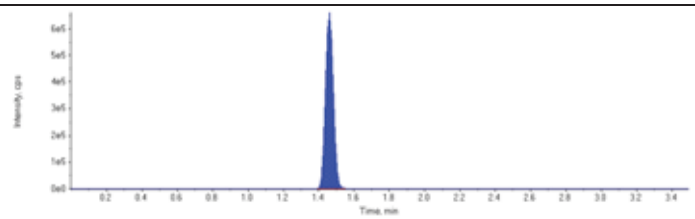
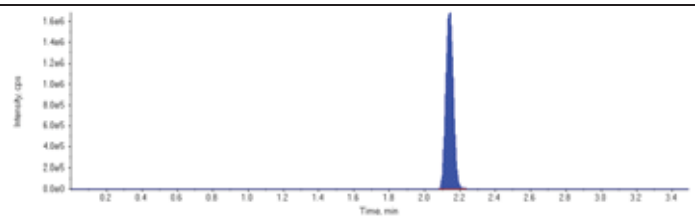
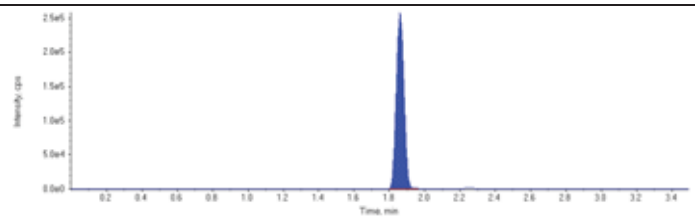
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 5.56 µg/L Area Ratio: 2.10 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 5.79 µg/L Area Ratio: 0.764 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 5.74 µg/L Area Ratio: 1.41 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 5.91 µg/L Area Ratio: 0.517 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 6.22 µg/L Area Ratio: 0.512 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 5.47 µg/L Area Ratio: 0.793 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 5.67 µg/L Area Ratio: 0.471 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 5.79 µg/L Area Ratio: 0.699 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 5.98 µg/L Area Ratio: 0.803 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 5.98 µg/L Area Ratio: 0.791 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 5.42 µg/L Area Ratio: 0.741 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 5.65 µg/L Area Ratio: 0.721 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 5.28 µg/L Area Ratio: 0.344 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 5.56 µg/L Area Ratio: 0.798 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 99.2 µg/L Area Ratio: 1.21 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 100. µg/L Area Ratio: 0.338 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 104. µg/L Area Ratio: 1.20 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 98.7 µg/L Area Ratio: 1.09 Sample Type: (Standard)	

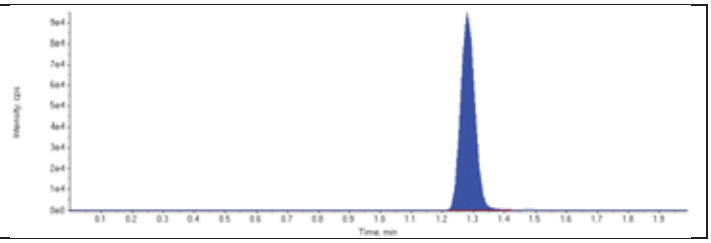
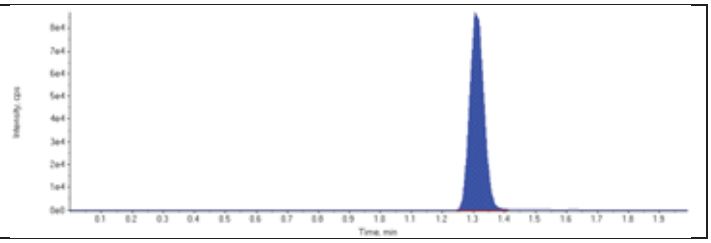
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 100. µg/L Area Ratio: 0.452 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 103. µg/L Area Ratio: 1.19 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 107. µg/L Area Ratio: 0.496 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 99.7 µg/L Area Ratio: 0.363 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 100. µg/L Area Ratio: 0.331 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 103. µg/L Area Ratio: 0.266 Sample Type: (Standard)	

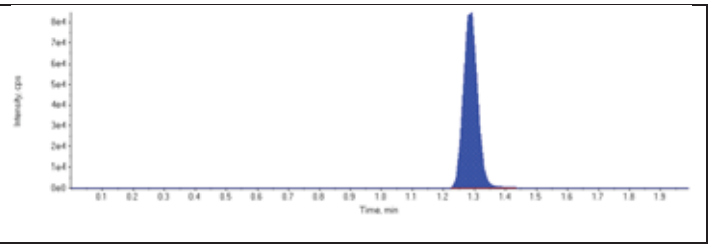
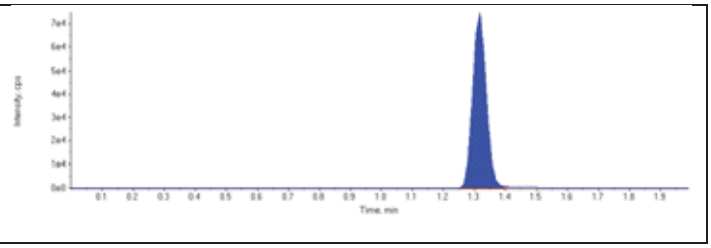
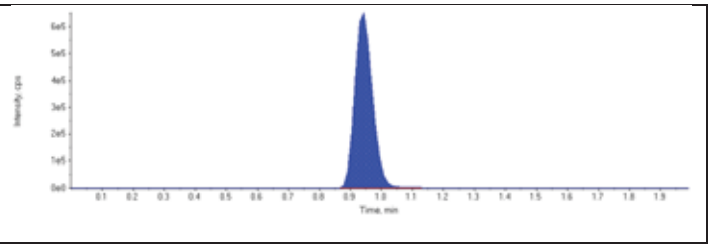
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 97.7 µg/L Area Ratio: 0.329 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 101. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 97.6 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 105. µg/L Area Ratio: 0.375 Sample Type: (Standard)	

Sample ID	STD 3	**Injection Volume (µL)**	2
Sample Type	Standard	**Injection Vial**	5
Acquisition Date	2017/02/27 8:49:08 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	293000.	1.28	1.00	-
D5-EtFOSAA IS	272000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	269000	1.29	6.00	5.86	97.7
EtFOSAA 1	225000	1.32	6.00	5.88	98.0
13C9-PFDA	2600000	0.940	100.	99.5	99.5

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.28(1.28) min Concentration: 1.00 ug/L Sample Type: (Standard)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.31(1.31) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 5.86 µg/L Area Ratio: 0.921 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.32 (1.31) min Calculated Conc: 5.88 µg/L Area Ratio: 0.828 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.940 (0.855) min Calculated Conc: 99.5 µg/L Area Ratio: 0.00 Sample Type: (Standard)	

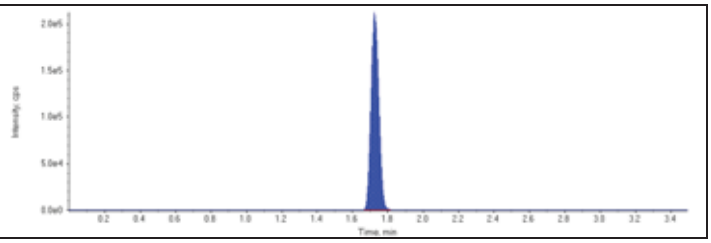
Sample ID	STD 4	**Injection Volume (µL)**	3
Sample Type	Standard	**Injection Vial**	6
Acquisition Date	2017/02/27 4:03:12 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	642000.	1.73	1.00	-
MPFHxA	2440000.	1.47	1.00	-
MPFHpA	2260000.	1.72	1.00	-
MPFOA	2170000.	1.89	1.00	-
MPFOS	915000.	2.01	1.00	-
MPFNA	2270000.	2.03	1.00	-
MPFDA	2400000.	2.15	1.00	-
MPFUnA	1930000.	2.24	1.00	-
MPFDoA	1630000.	2.32	1.00	-
MPFTeDA	1460000.	2.46	1.00	-
M2 6:2 FTS	725000.	1.86	1.00	-
M2 8:2 FTS	728000.	2.12	1.00	-
13C6-PFHxA IS	1930000.	1.46	1.00	-
13C9-PFDA IS	4710000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	3760000	1.19	15.0	15.4	102.0
PFHxA 1	5360000	1.47	15.0	16.9	113.0
PFHxS 1	2530000	1.72	15.0	16.0	107.0
PFHpA 1	3130000	1.72	15.0	15.9	106.0
PFOA 1	2830000	1.89	15.0	16.0	107.0
PFOS 1	1970000	2.01	15.0	14.7	97.9
PFNA 1	2980000	2.03	15.0	15.8	106.0
PFDA 1	4740000	2.15	15.0	16.6	111.0
PFUnA 1	3950000	2.24	15.0	15.3	102.0
PFDoA 1	3730000	2.32	15.0	17.6	117.0
PFTrDA 1	2910000	2.40	15.0	14.7	97.9
PFTeDA 1	2890000	2.46	15.0	15.6	104.0
6:2-FTS 1	731000	1.86	15.0	15.3	102.0
8:2-FTS 1	1630000	2.12	15.0	15.6	104.0
13C2-PFHxA	2440000	1.47	100.	104.	104.0
18O2-PFHxS	642000	1.73	100.	98.9	98.9
13C4-PFHpA	2260000	1.72	100.	102.	102.0
13C4-PFOA	2170000	1.89	100.	102.	102.0
13C4-PFOS	915000	2.01	100.	105.	105.0
13C5-PFNA	2270000	2.03	100.	103.	103.0
13C2-PFDA	2400000	2.15	100.	110.	110.0
13C2-PFUnA	1930000	2.24	100.	113.	113.0
13C2-PFDoA	1630000	2.32	100.	105.	105.0
13C2-PFTeDA	1460000	2.46	100.	120.	120.0
13C2-8:2 FTS	728000	2.12	100.	112.	112.0
13C6-PFHxA	1930000	1.46	100.	95.3	95.3
13C9-PFDA	4710000	2.14	100.	91.3	91.3
13C2-6:2-FTS	725000	1.86	100.	105.	105.0

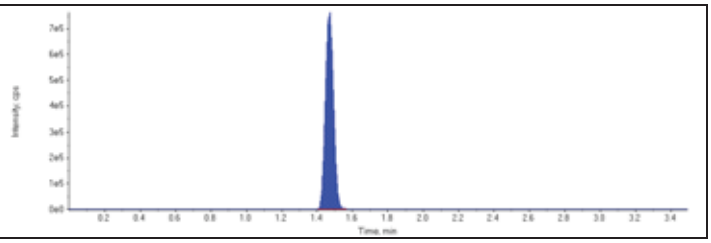
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



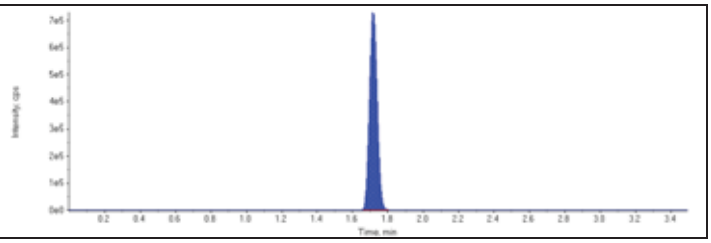
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



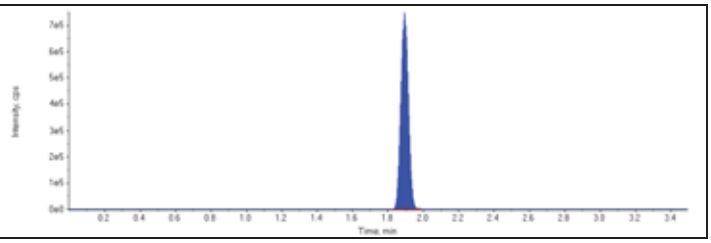
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



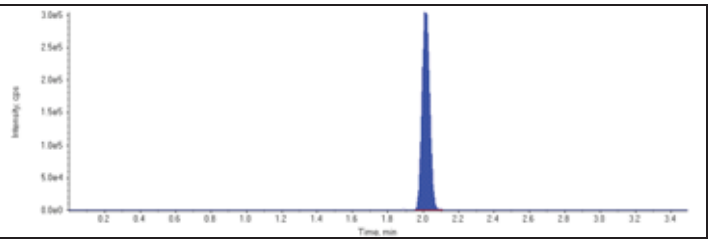
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



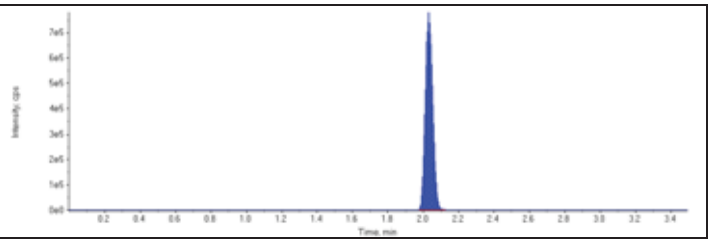
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



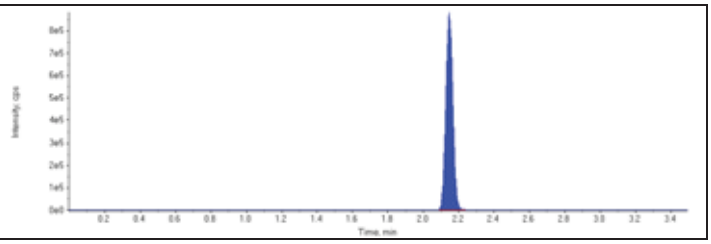
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



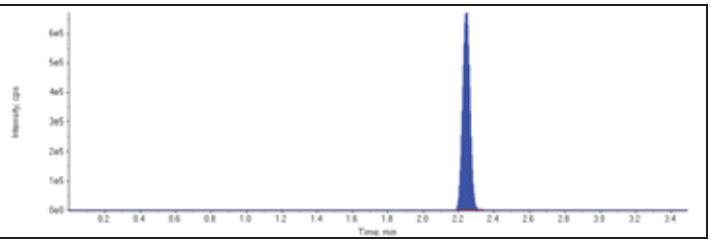
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



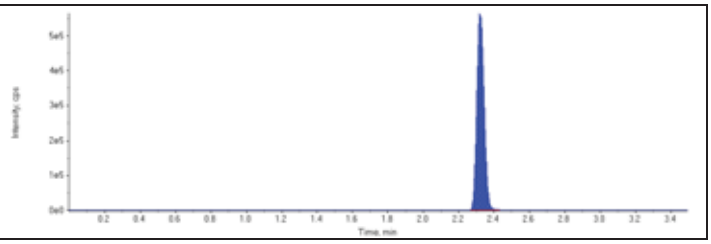
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



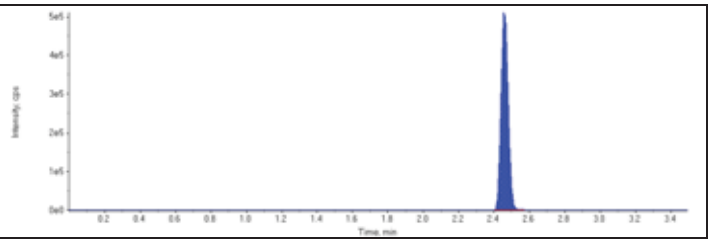
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



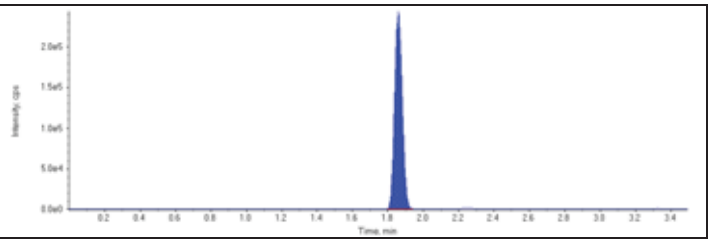
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



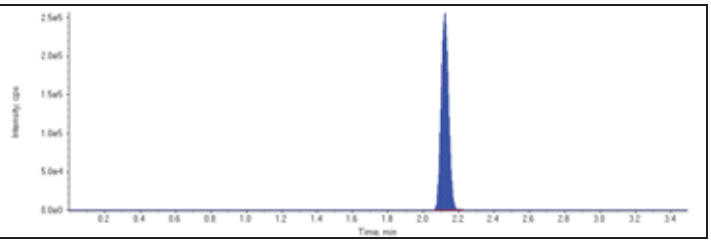
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



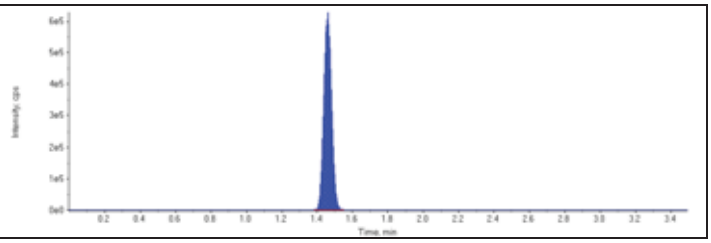
M2 8:2 FTS (Internal Standard)

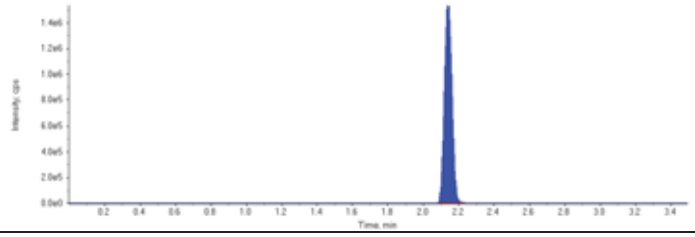
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

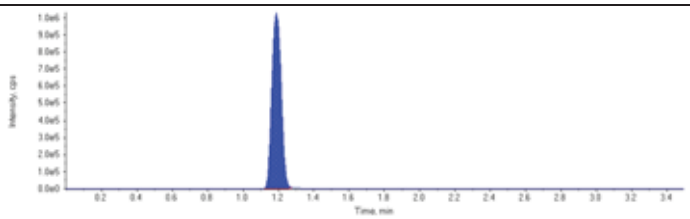
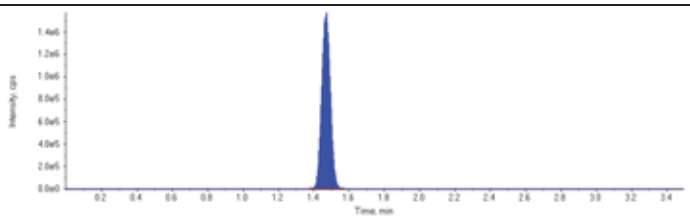
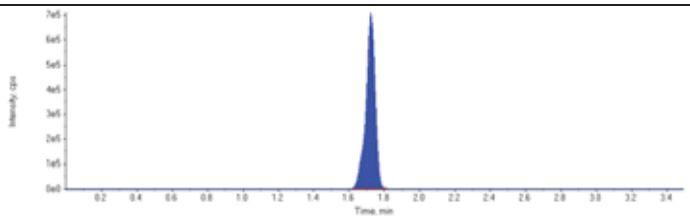
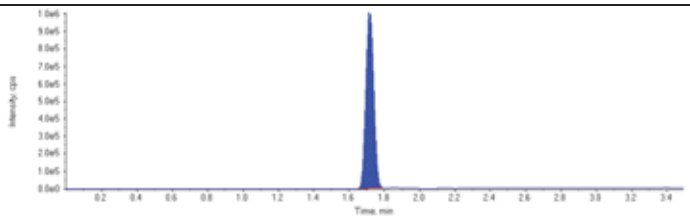
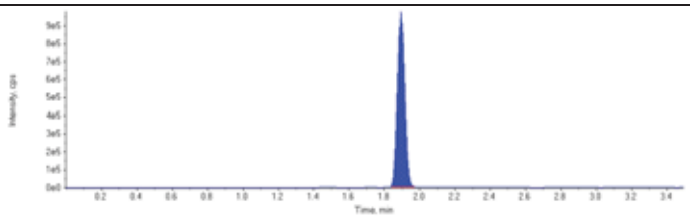
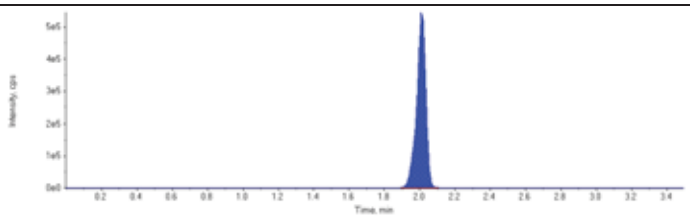


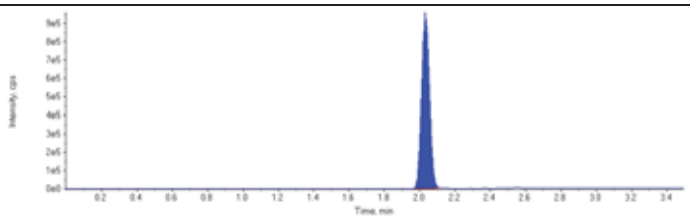
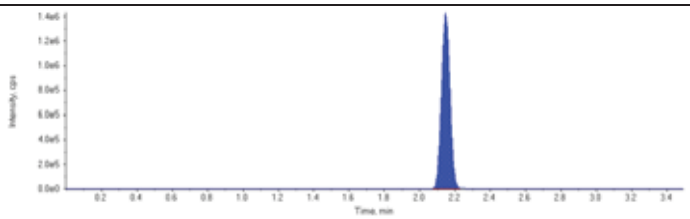
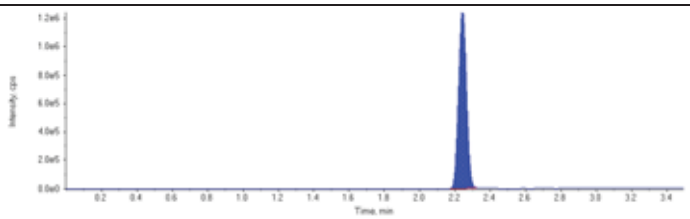
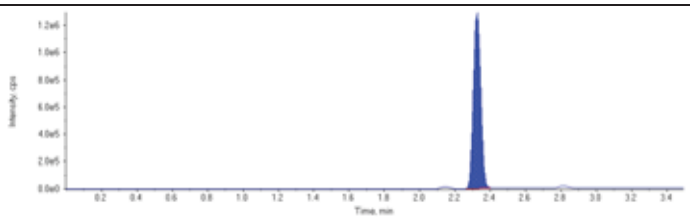
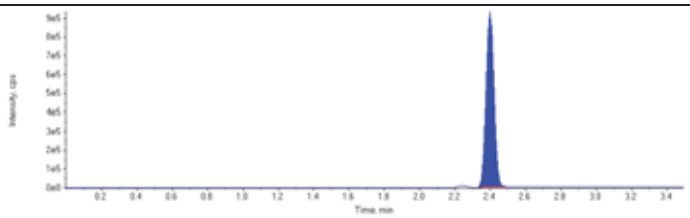
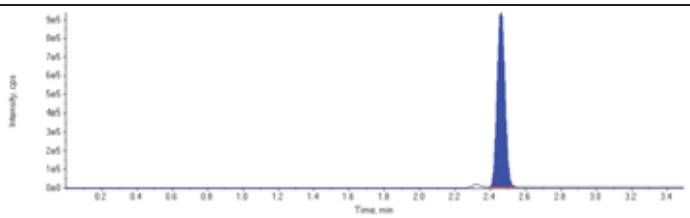
13C6-PFHxA IS (Internal Standard)

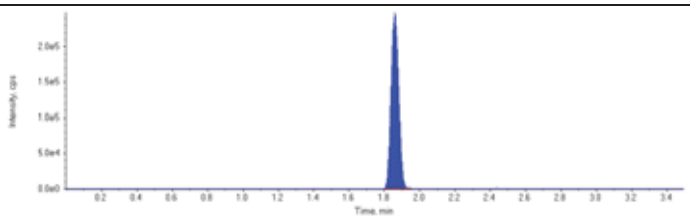
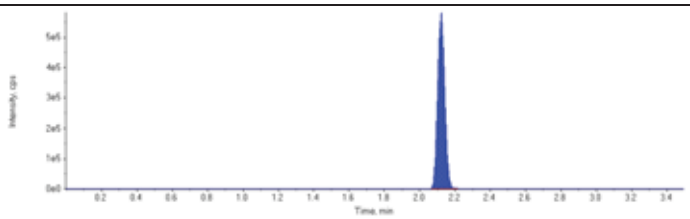
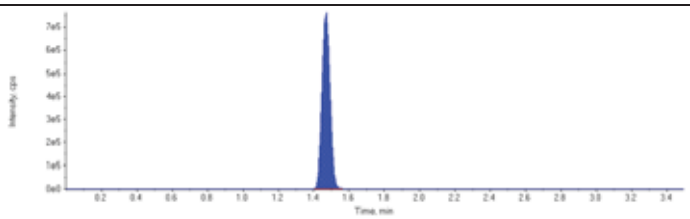
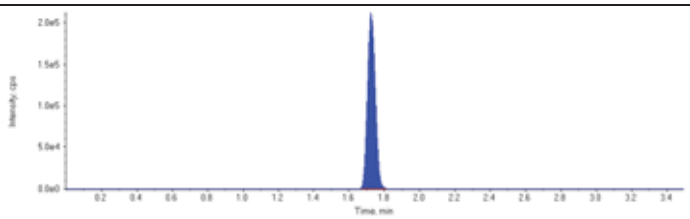
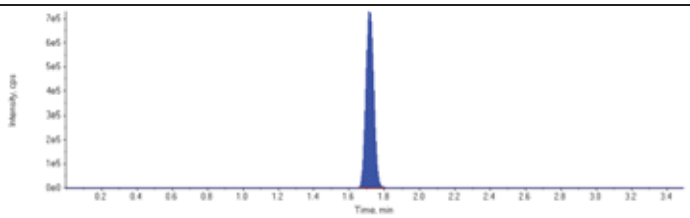
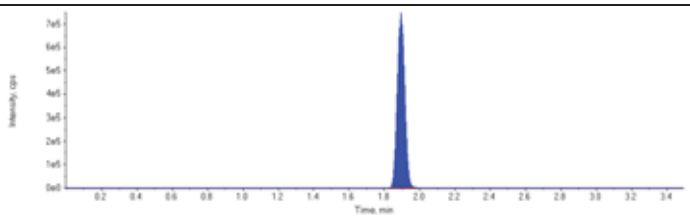
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

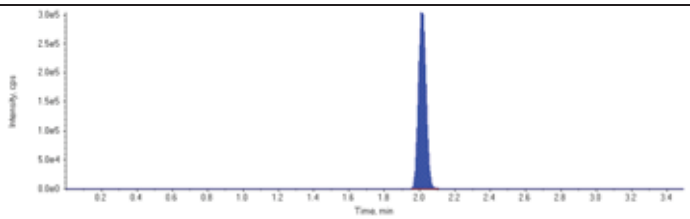
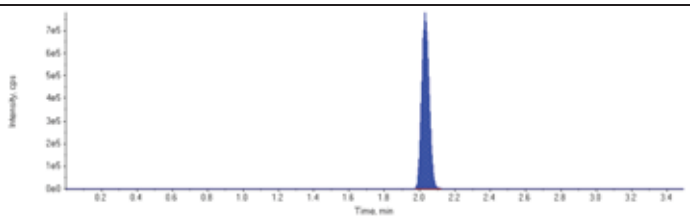
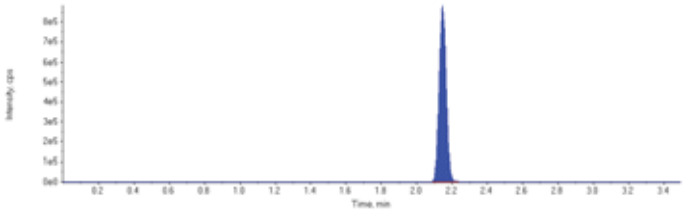
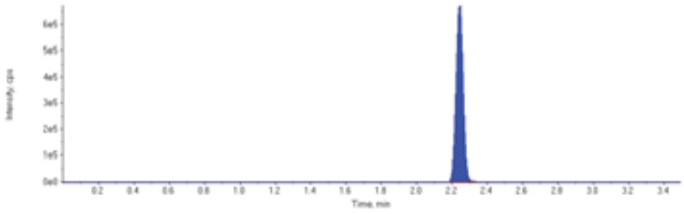
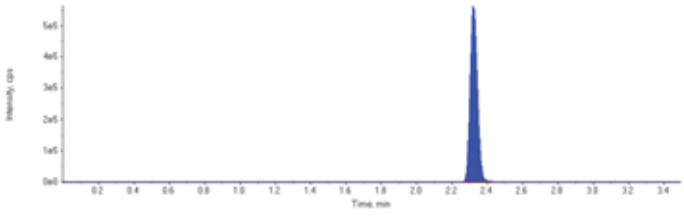
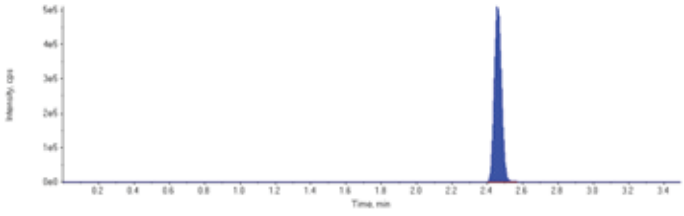


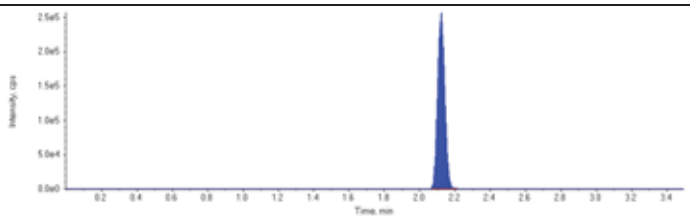
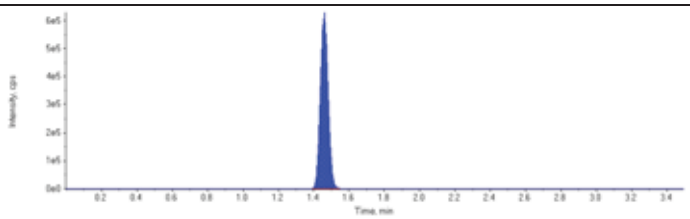
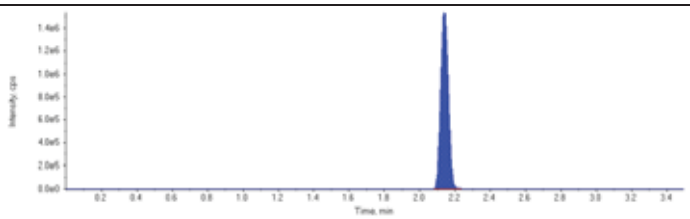
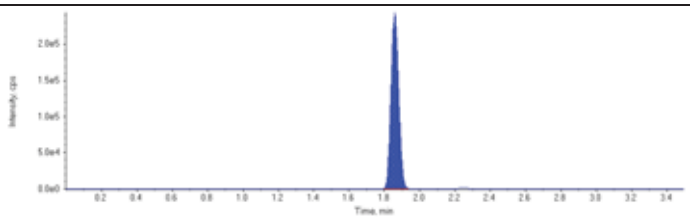
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 15.4 µg/L Area Ratio: 5.86 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 16.9 µg/L Area Ratio: 2.20 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 16.0 µg/L Area Ratio: 3.93 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 15.9 µg/L Area Ratio: 1.39 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 16.0 µg/L Area Ratio: 1.31 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 14.7 µg/L Area Ratio: 2.15 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 15.8 µg/L Area Ratio: 1.31 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 16.6 µg/L Area Ratio: 1.97 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 15.3 µg/L Area Ratio: 2.04 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 17.6 µg/L Area Ratio: 2.29 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 14.7 µg/L Area Ratio: 1.99 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 15.6 µg/L Area Ratio: 1.98 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 15.3 µg/L Area Ratio: 1.01 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 15.6 µg/L Area Ratio: 2.24 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 104. µg/L Area Ratio: 1.26 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 98.9 µg/L Area Ratio: 0.333 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 102. µg/L Area Ratio: 1.17 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 102. µg/L Area Ratio: 1.12 Sample Type: (Standard)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 105. µg/L Area Ratio: 0.474 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 103. µg/L Area Ratio: 1.18 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 110. µg/L Area Ratio: 0.511 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 113. µg/L Area Ratio: 0.411 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 105. µg/L Area Ratio: 0.347 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 120. µg/L Area Ratio: 0.311 Sample Type: (Standard)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 112. µg/L Area Ratio: 0.377 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 95.3 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 91.3 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 105. µg/L Area Ratio: 0.376 Sample Type: (Standard)	

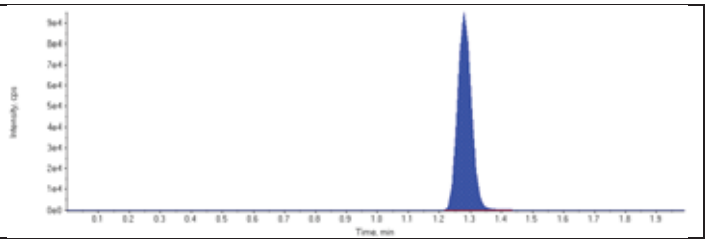
Sample ID	STD 4	**Injection Volume (µL)**	2
Sample Type	Standard	**Injection Vial**	6
Acquisition Date	2017/02/27 8:51:42 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	290000.	1.28	1.00	-
D5-EtFOSAA IS	272000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	683000	1.29	15.0	15.0	100.0
EtFOSAA 1	603000	1.31	15.0	15.7	105.0
13C9-PFDA	2560000	0.934	100.	97.9	97.9

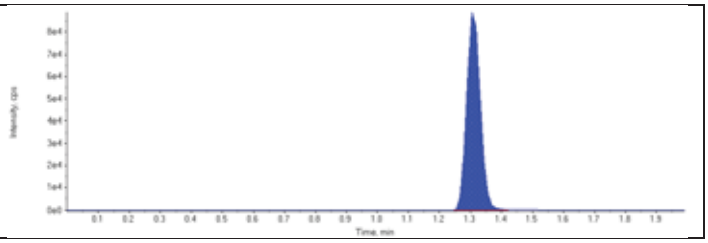
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



D5-EtFOSAA IS (Internal Standard)

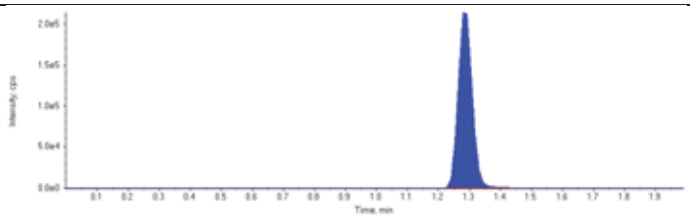
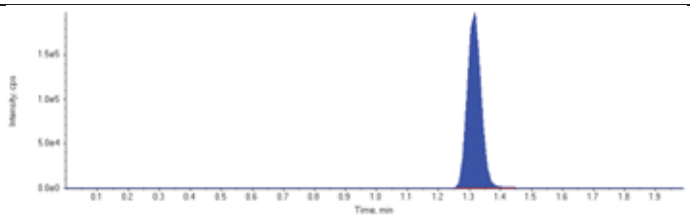
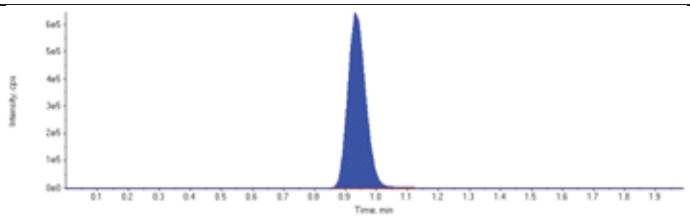
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Standard)

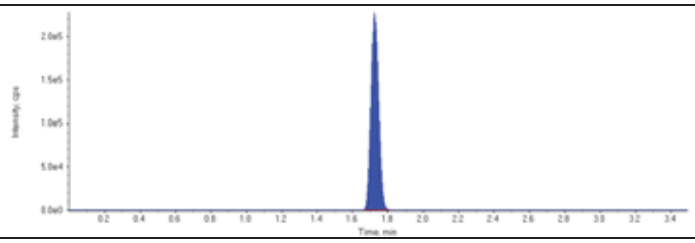
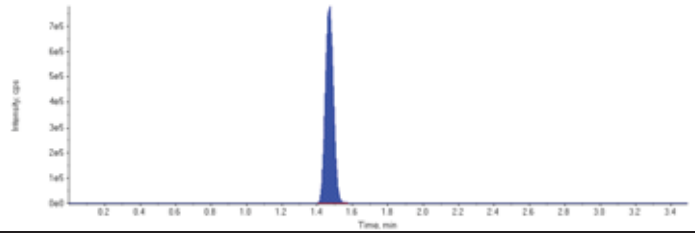
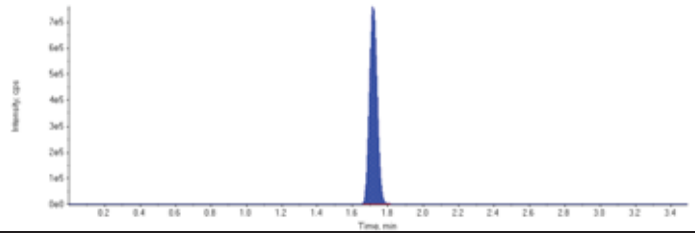
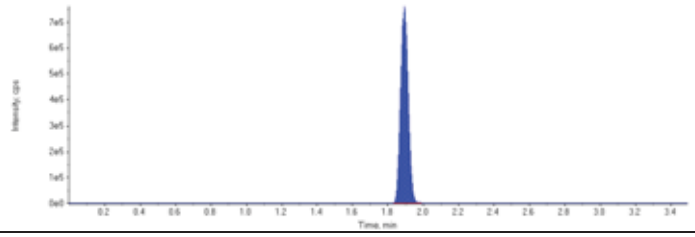
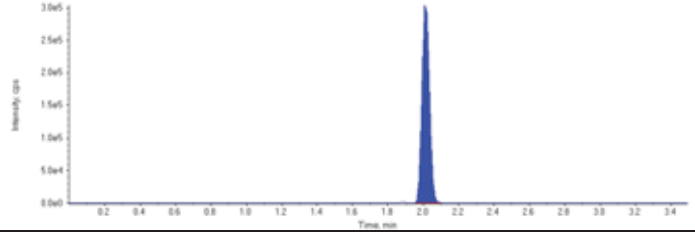
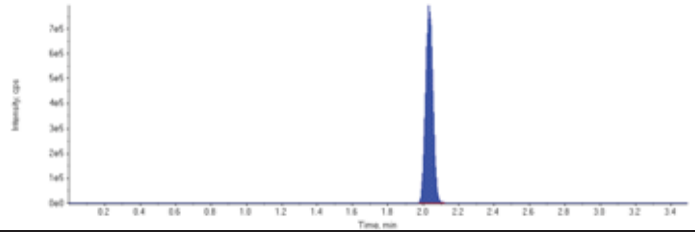
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 15.0 µg/L Area Ratio: 2.36 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.31 (1.31) min Calculated Conc: 15.7 µg/L Area Ratio: 2.22 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.934 (0.855) min Calculated Conc: 97.9 µg/L Area Ratio: 0.00 Sample Type: (Standard)	

Sample ID	STD 5	**Injection Volume (µL)**	3
Sample Type	Standard	**Injection Vial**	7
Acquisition Date	2017/02/27 4:08:17 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

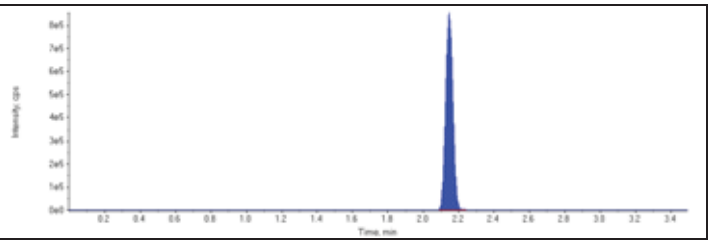
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	684000.	1.73	1.00	-
MPFHxA	2500000.	1.47	1.00	-
MPFHpA	2350000.	1.72	1.00	-
MPFOA	2240000.	1.89	1.00	-
MPFOS	905000.	2.01	1.00	-
MPFNA	2280000.	2.03	1.00	-
MPFDA	2410000.	2.15	1.00	-
MPFUnA	1910000.	2.24	1.00	-
MPFDoA	1670000.	2.32	1.00	-
MPFTeDA	1360000.	2.46	1.00	-
M2 6:2 FTS	673000.	1.86	1.00	-
M2 8:2 FTS	655000.	2.12	1.00	-
13C6-PFHxA IS	2060000.	1.46	1.00	-
13C9-PFDA IS	5460000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	7550000	1.19	30.0	28.9	96.3
PFHxA 1	9480000	1.47	30.0	29.3	97.7
PFHxS 1	4750000	1.72	30.0	28.4	94.5
PFHpA 1	6020000	1.72	30.0	29.5	98.3
PFOA 1	5210000	1.89	30.0	28.7	95.5
PFOS 1	3750000	2.01	30.0	28.2	93.8
PFNA 1	5440000	2.03	30.0	28.8	96.1
PFDA 1	8370000	2.15	30.0	29.4	98.0
PFUnA 1	6830000	2.24	30.0	27.0	89.9
PFDoA 1	6030000	2.33	30.0	27.9	93.0
PFTrDA 1	5170000	2.40	30.0	28.3	94.2
PFTeDA 1	4980000	2.46	30.0	29.1	97.0
6:2-FTS 1	1240000	1.86	30.0	27.7	92.3
8:2-FTS 1	2590000	2.12	30.0	27.4	91.5
13C2-PFHxA	2500000	1.47	100.	99.5	99.5
18O2-PFHxS	684000	1.73	100.	98.4	98.4
13C4-PFHpA	2350000	1.72	100.	99.0	99.0
13C4-PFOA	2240000	1.89	100.	98.1	98.1
13C4-PFOS	905000	2.01	100.	97.2	97.2
13C5-PFNA	2280000	2.03	100.	96.1	96.1
13C2-PFDA	2410000	2.15	100.	95.3	95.3
13C2-PFUnA	1910000	2.24	100.	96.0	96.0
13C2-PFDoA	1670000	2.32	100.	92.6	92.6
13C2-PFTeDA	1360000	2.46	100.	95.9	95.9
13C2-8:2 FTS	655000	2.12	100.	94.2	94.2
13C6-PFHxA	2060000	1.46	100.	102.	102.0
13C9-PFDA	5460000	2.14	100.	106.	106.0
13C2-6:2-FTS	673000	1.86	100.	91.3	91.3

MPFHxS (Internal Standard) RT (Exp. RT): 1.73(1.68) min Concentration: 1.00 ug/L Sample Type: (Standard)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.43) min Concentration: 1.00 ug/L Sample Type: (Standard)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.72(1.69) min Concentration: 1.00 ug/L Sample Type: (Standard)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Standard)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Standard)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Standard)	

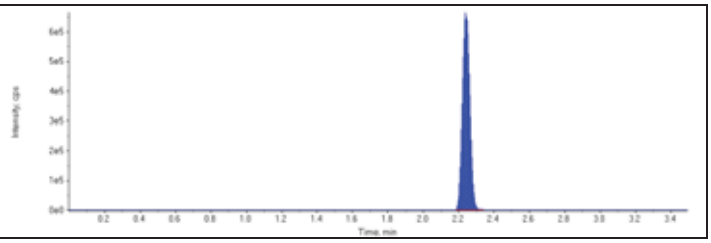
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



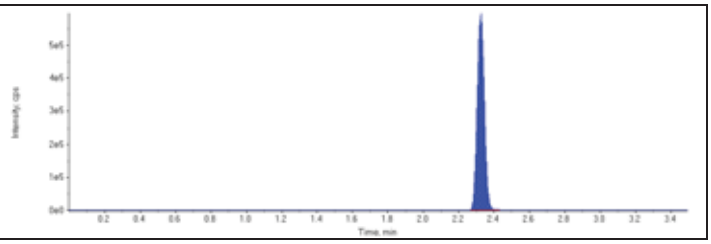
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



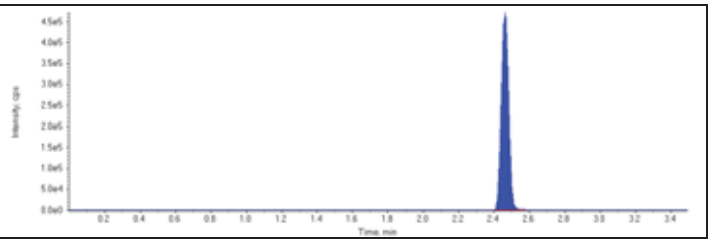
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



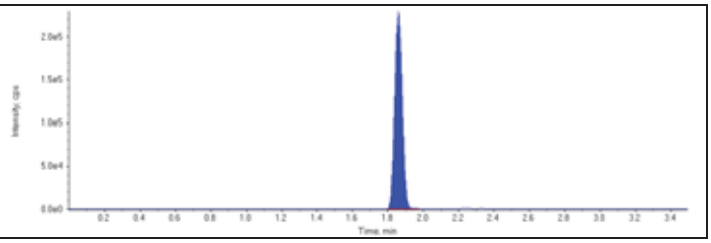
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



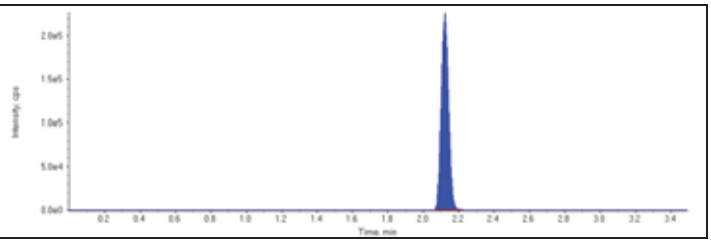
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



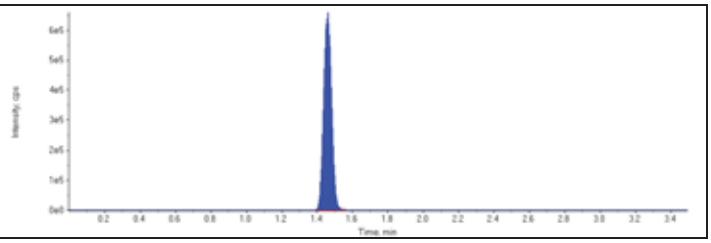
M2 8:2 FTS (Internal Standard)

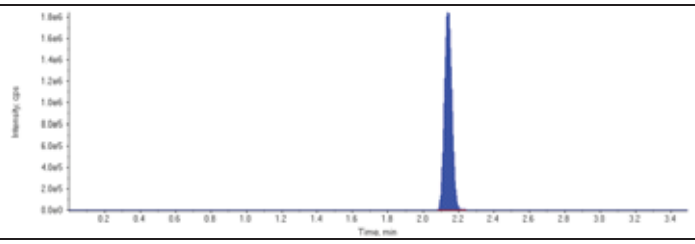
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

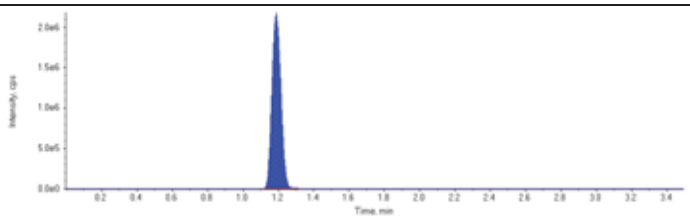
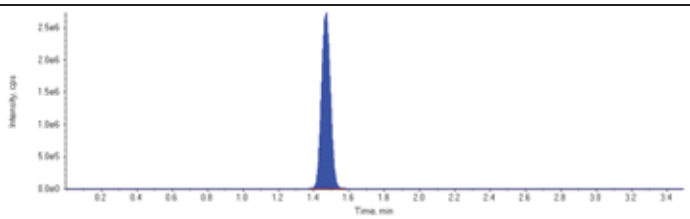
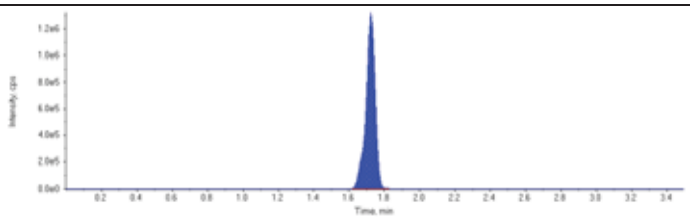
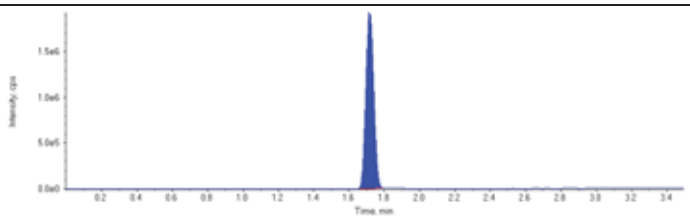
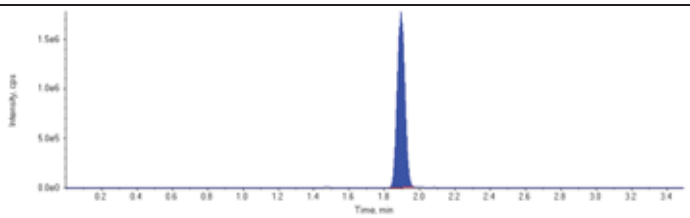
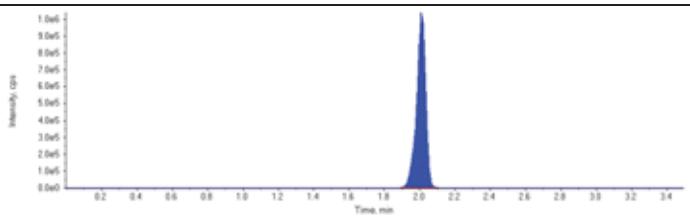


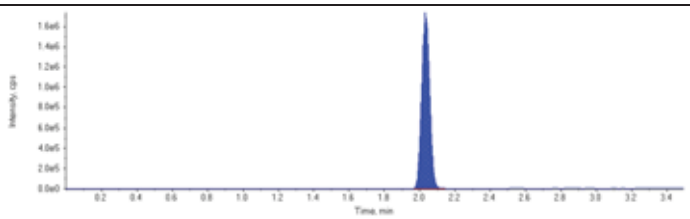
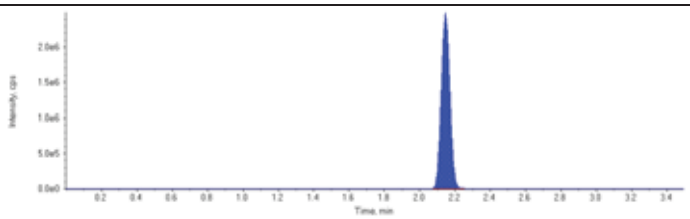
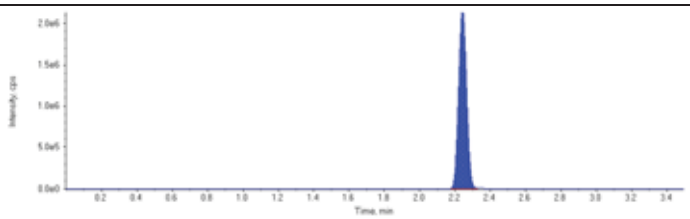
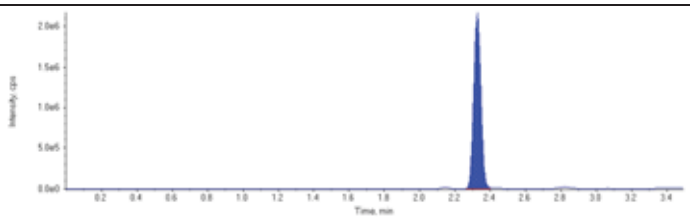
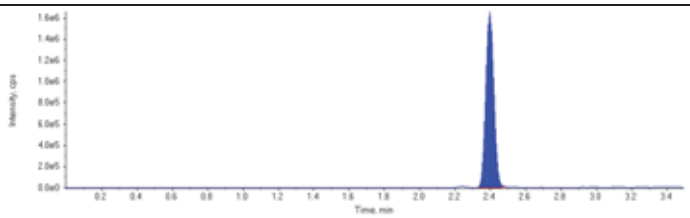
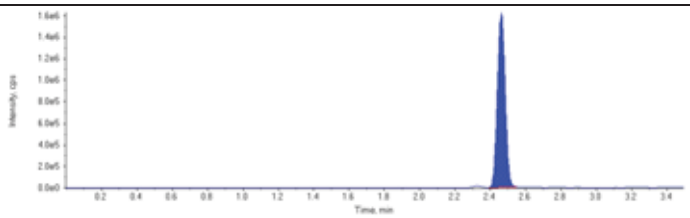
13C6-PFHxA IS (Internal Standard)

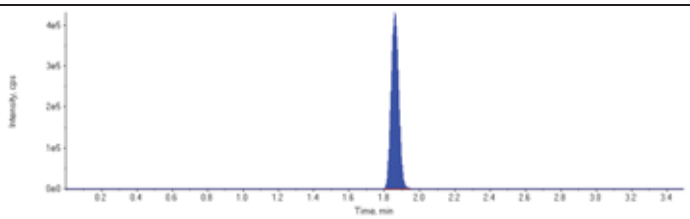
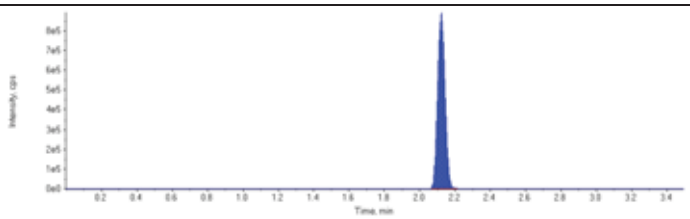
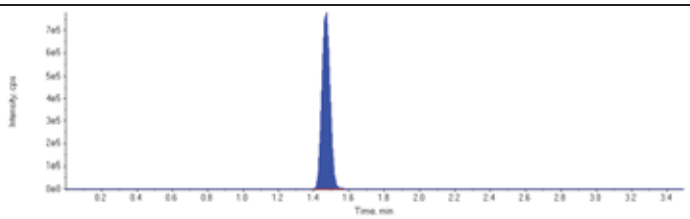
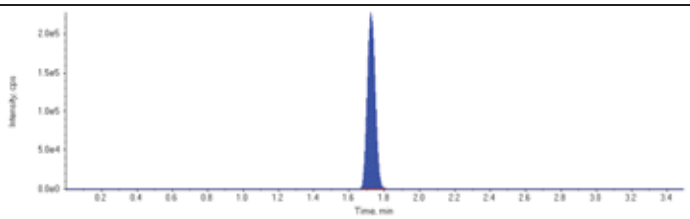
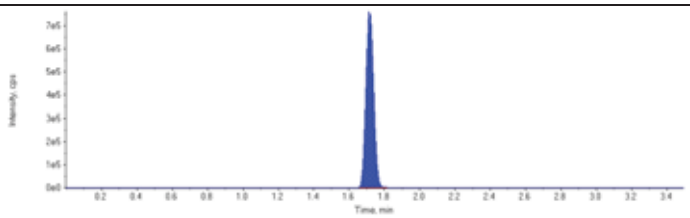
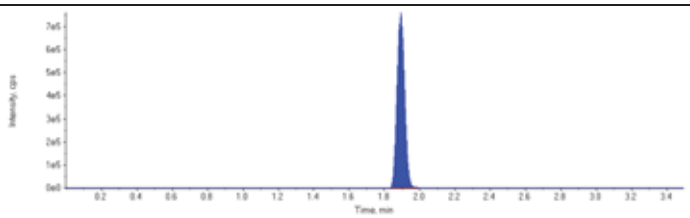
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

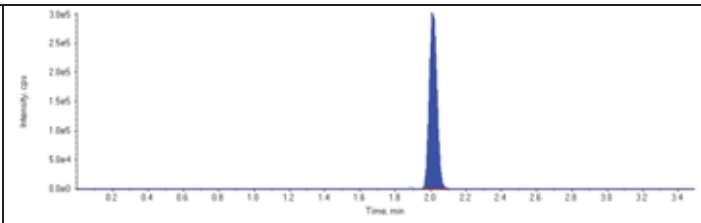
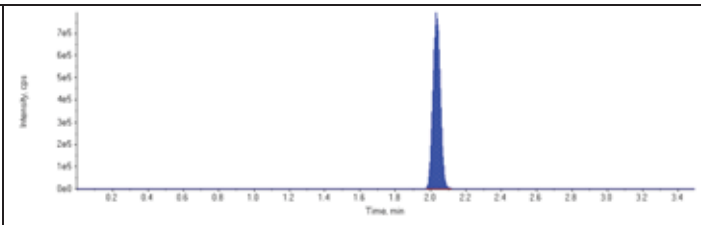
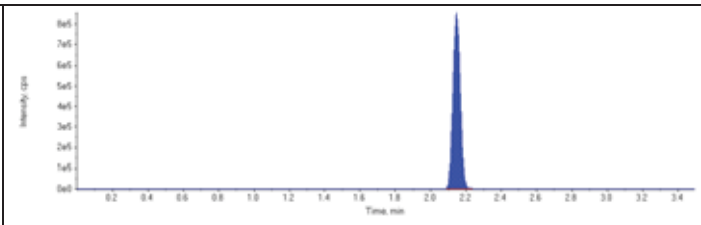
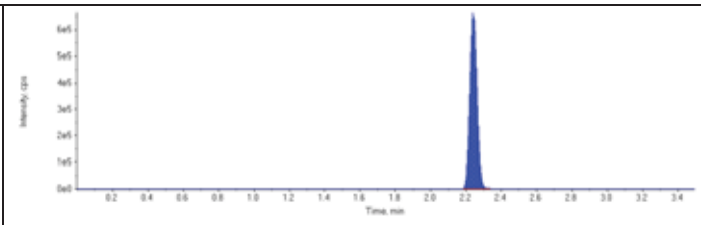
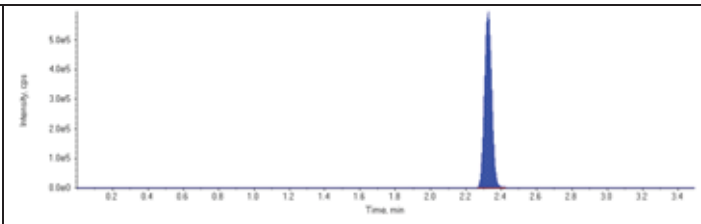
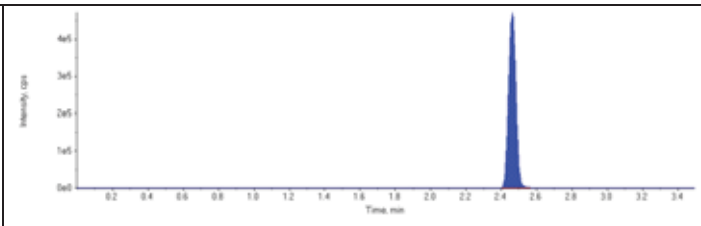


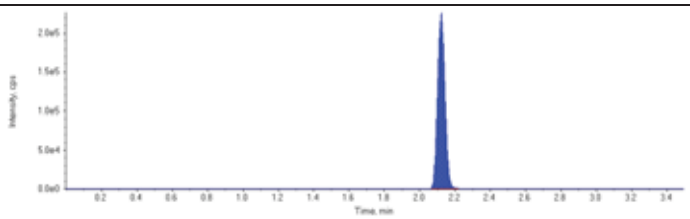
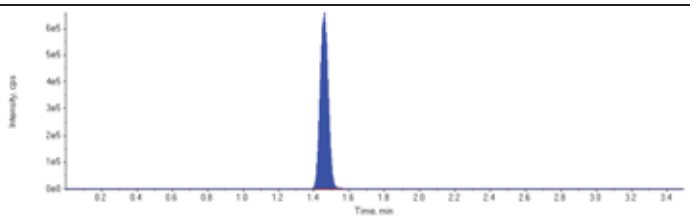
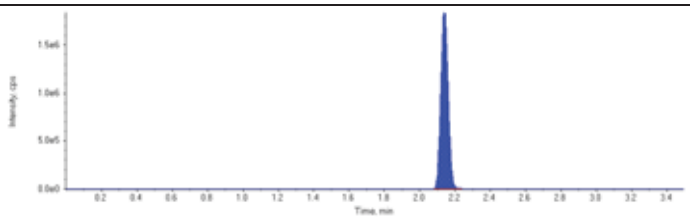
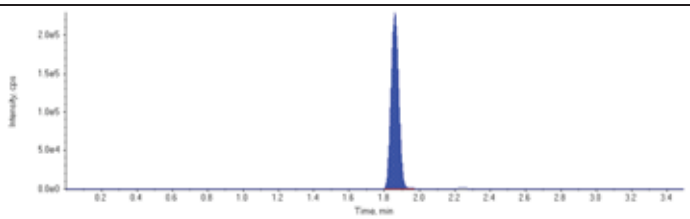
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 28.9 µg/L Area Ratio: 11.0 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 29.3 µg/L Area Ratio: 3.80 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 28.4 µg/L Area Ratio: 6.95 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 29.5 µg/L Area Ratio: 2.56 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 28.7 µg/L Area Ratio: 2.33 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 28.2 µg/L Area Ratio: 4.14 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 28.8 µg/L Area Ratio: 2.38 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 29.4 µg/L Area Ratio: 3.48 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 27.0 µg/L Area Ratio: 3.58 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 27.9 µg/L Area Ratio: 3.62 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 28.3 µg/L Area Ratio: 3.81 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 29.1 µg/L Area Ratio: 3.68 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 27.7 µg/L Area Ratio: 1.84 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 27.4 µg/L Area Ratio: 3.95 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 99.5 µg/L Area Ratio: 1.21 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 98.4 µg/L Area Ratio: 0.331 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 99.0 µg/L Area Ratio: 1.14 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 98.1 µg/L Area Ratio: 1.08 Sample Type: (Standard)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 97.2 µg/L Area Ratio: 0.439 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 96.1 µg/L Area Ratio: 1.11 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 95.3 µg/L Area Ratio: 0.441 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 96.0 µg/L Area Ratio: 0.350 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 92.6 µg/L Area Ratio: 0.306 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 95.9 µg/L Area Ratio: 0.248 Sample Type: (Standard)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 94.2 µg/L Area Ratio: 0.317 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 102. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 106. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 91.3 µg/L Area Ratio: 0.326 Sample Type: (Standard)	

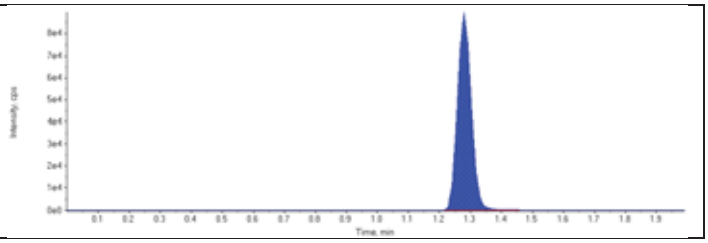
Sample ID	STD 5	**Injection Volume (µL)**	2
Sample Type	Standard	**Injection Vial**	7
Acquisition Date	2017/02/27 8:54:17 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	276000.	1.28	1.00	-
D5-EtFOSAA IS	270000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1260000	1.28	30.0	29.2	97.3
EtFOSAA 1	1060000	1.31	30.0	27.7	92.3
13C9-PFDA	2550000	0.935	100.	97.7	97.7

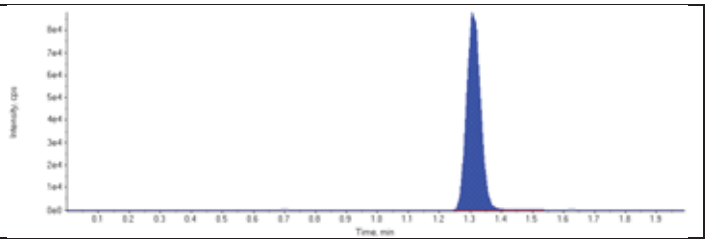
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



D5-EtFOSAA IS (Internal Standard)

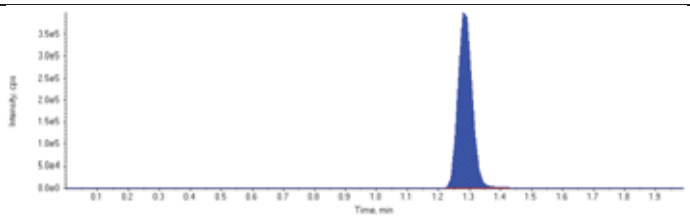
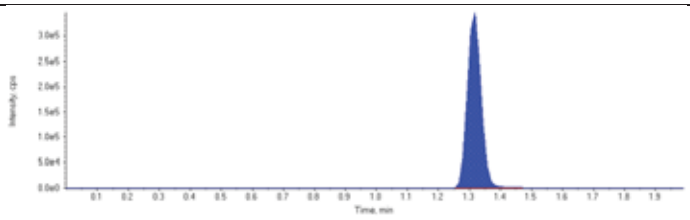
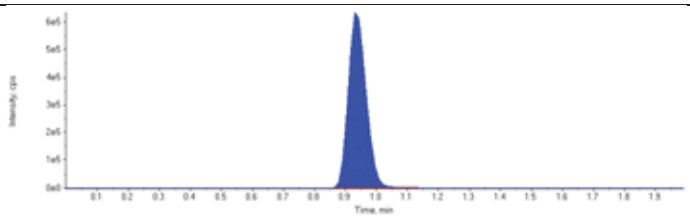
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Standard)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.28 (1.30) min Calculated Conc: 29.2 µg/L Area Ratio: 4.58 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.31 (1.31) min Calculated Conc: 27.7 µg/L Area Ratio: 3.92 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.935 (0.855) min Calculated Conc: 97.7 µg/L Area Ratio: 0.00 Sample Type: (Standard)	

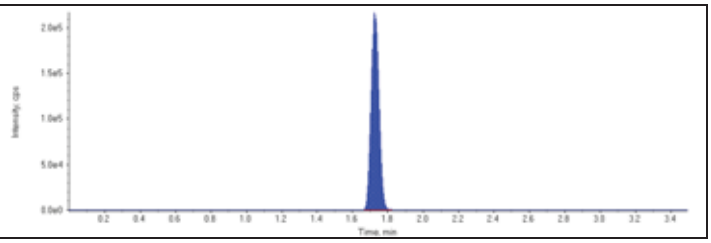
Sample ID	STD 6	**Injection Volume (µL)**	3
Sample Type	Standard	**Injection Vial**	8
Acquisition Date	2017/02/27 4:13:23 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	670000.	1.73	1.00	-
MPFHxA	2390000.	1.47	1.00	-
MPFHpA	2260000.	1.72	1.00	-
MPFOA	2210000.	1.89	1.00	-
MPFOS	879000.	2.01	1.00	-
MPFNA	2080000.	2.03	1.00	-
MPFDA	2290000.	2.15	1.00	-
MPFUnA	1670000.	2.24	1.00	-
MPFDoA	1750000.	2.32	1.00	-
MPFTeDA	1290000.	2.46	1.00	-
M2 6:2 FTS	686000.	1.86	1.00	-
M2 8:2 FTS	636000.	2.12	1.00	-
13C6-PFHxA IS	2000000.	1.46	1.00	-
13C9-PFDA IS	4900000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	13100000	1.19	50.0	51.1	102.0
PFHxA 1	15200000	1.47	50.0	49.1	98.1
PFHxS 1	8350000	1.73	50.0	50.9	102.0
PFHpA 1	9730000	1.72	50.0	49.7	99.3
PFOA 1	9000000	1.89	50.0	50.1	100.0
PFOS 1	6810000	2.01	50.0	52.5	105.0
PFNA 1	8700000	2.03	50.0	50.6	101.0
PFDA 1	13300000	2.15	50.0	49.2	98.4
PFUnA 1	11600000	2.24	50.0	52.6	105.0
PFDoA 1	11200000	2.33	50.0	49.6	99.2
PFTrDA 1	9150000	2.40	50.0	52.5	105.0
PFTeDA 1	8260000	2.46	50.0	50.6	101.0
6:2-FTS 1	2400000	1.86	50.0	52.7	105.0
8:2-FTS 1	4790000	2.12	50.0	52.3	105.0
13C2-PFHxA	2390000	1.47	100.	98.1	98.1
18O2-PFHxS	670000	1.73	100.	99.4	99.4
13C4-PFHpA	2260000	1.72	100.	98.0	98.0
13C4-PFOA	2210000	1.89	100.	100.	100.0
13C4-PFOS	879000	2.01	100.	97.4	97.4
13C5-PFNA	2080000	2.03	100.	90.4	90.4
13C2-PFDA	2290000	2.15	100.	101.	101.0
13C2-PFUnA	1670000	2.24	100.	93.3	93.3
13C2-PFDoA	1750000	2.32	100.	108.	108.0
13C2-PFTeDA	1290000	2.46	100.	102.	102.0
13C2-8:2 FTS	636000	2.12	100.	94.3	94.3
13C6-PFHxA	2000000	1.46	100.	98.8	98.8
13C9-PFDA	4900000	2.14	100.	95.1	95.1
13C2-6:2-FTS	686000	1.86	100.	95.9	95.9

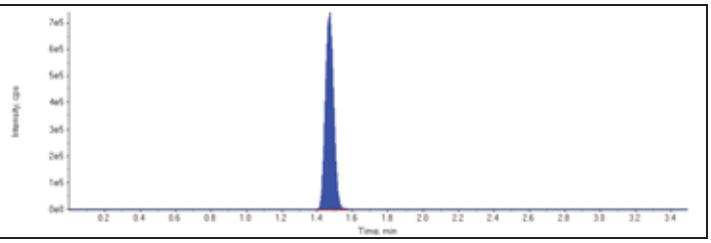
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



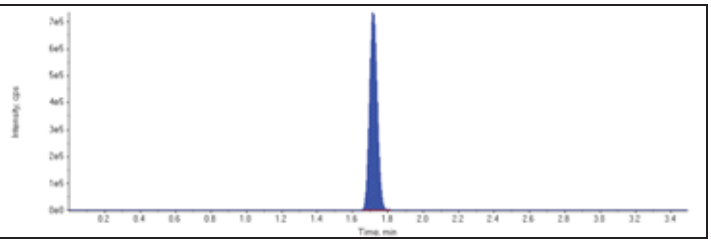
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



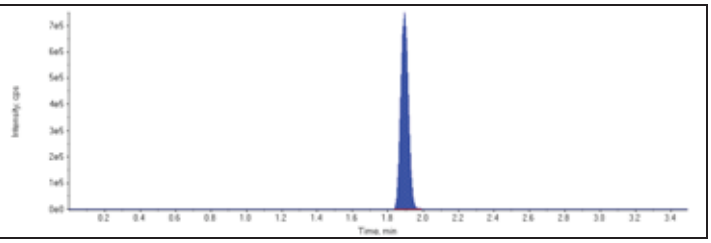
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



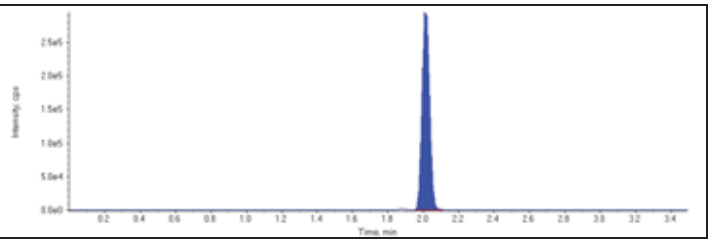
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



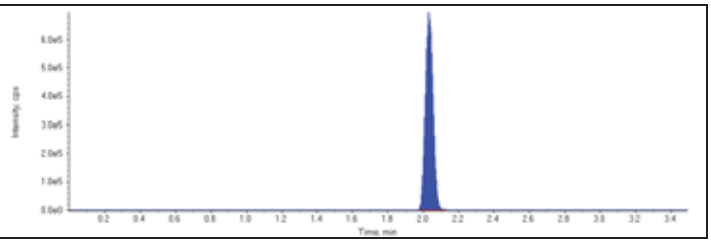
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



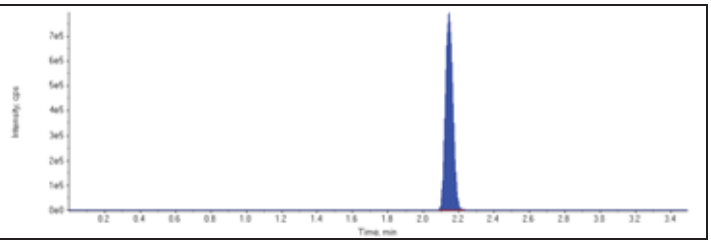
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



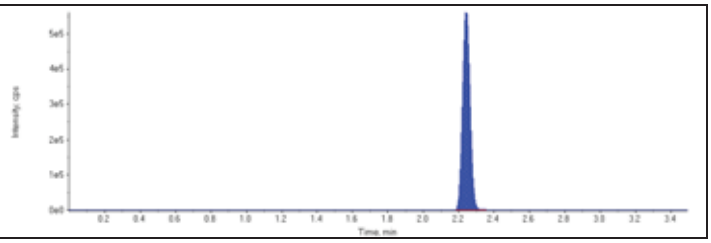
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



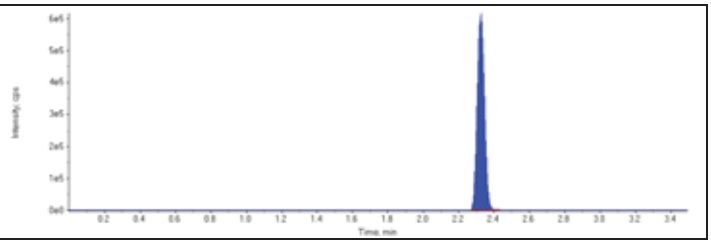
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



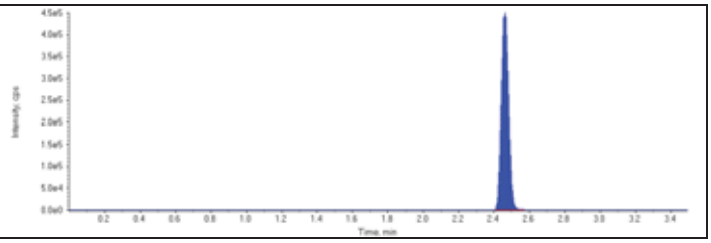
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



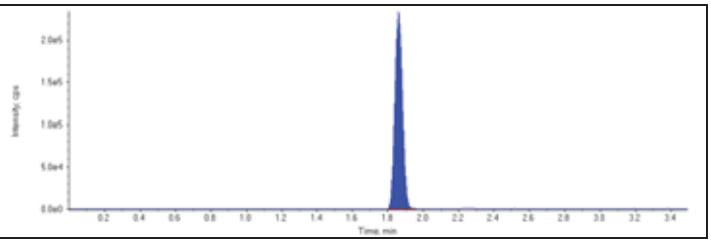
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



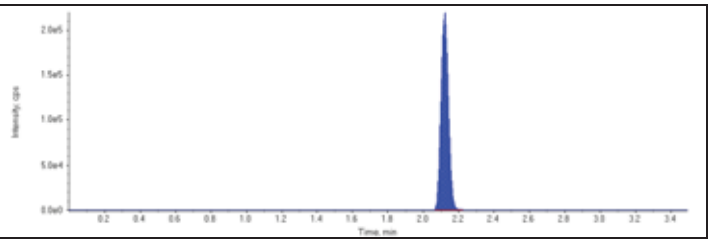
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



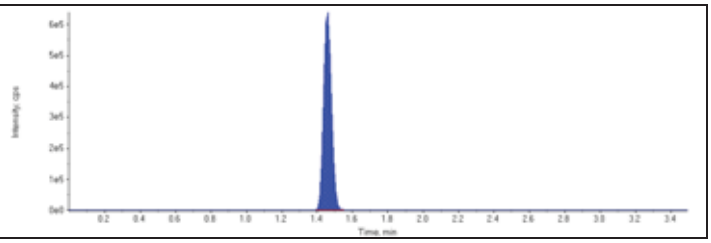
M2 8:2 FTS (Internal Standard)

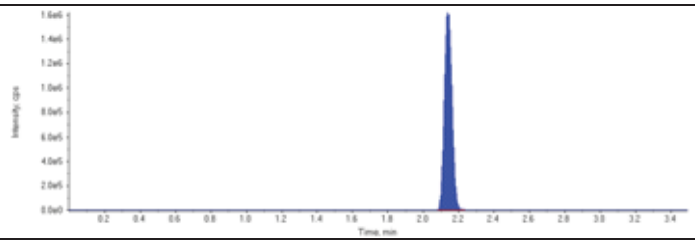
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

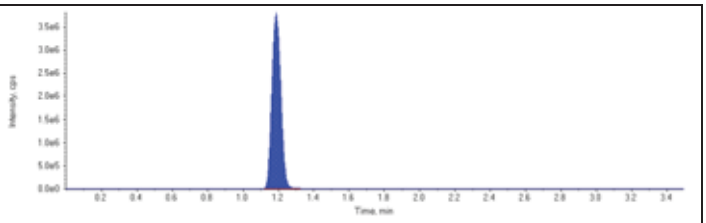
PFBS 1 (298.900/79.900 Da)

RT (Exp. RT): 1.19 (1.19) min

Calculated Conc: 51.1 µg/L

Area Ratio: 19.6

Sample Type: (Standard)



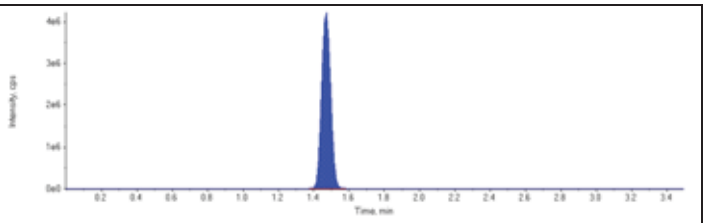
PFHxA 1 (313.000/269.000 Da)

RT (Exp. RT): 1.47 (1.43) min

Calculated Conc: 49.1 µg/L

Area Ratio: 6.35

Sample Type: (Standard)



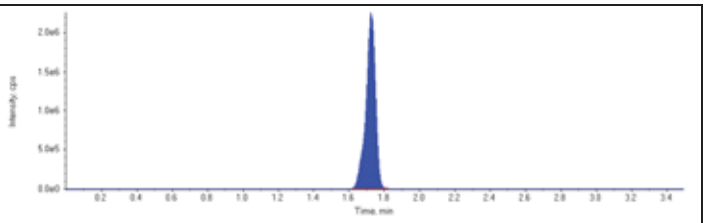
PFHxS 1 (398.900/79.900 Da)

RT (Exp. RT): 1.73 (1.68) min

Calculated Conc: 50.9 µg/L

Area Ratio: 12.5

Sample Type: (Standard)



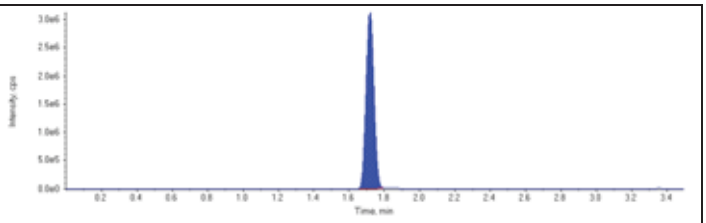
PFHpA 1 (363.000/319.000 Da)

RT (Exp. RT): 1.72 (1.70) min

Calculated Conc: 49.7 µg/L

Area Ratio: 4.31

Sample Type: (Standard)



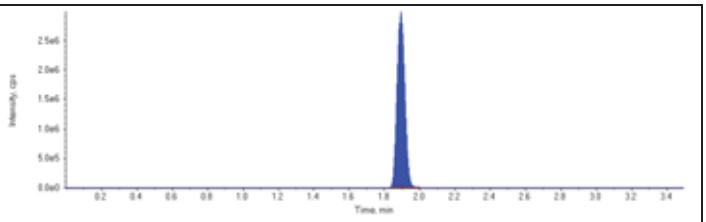
PFOA 1 (413.100/369.000 Da)

RT (Exp. RT): 1.89 (1.88) min

Calculated Conc: 50.1 µg/L

Area Ratio: 4.07

Sample Type: (Standard)



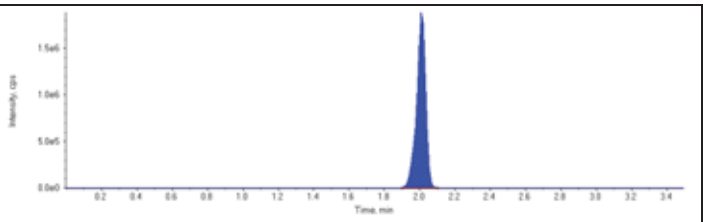
PFOS 1 (498.900/79.900 Da)

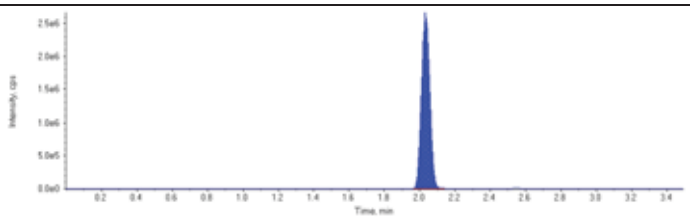
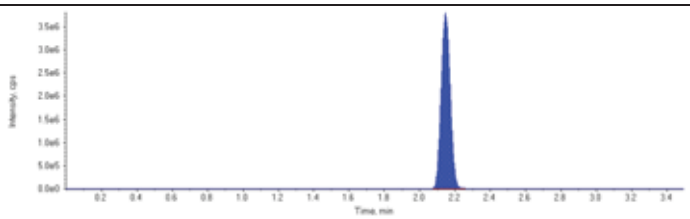
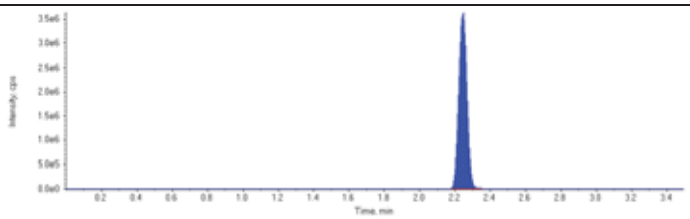
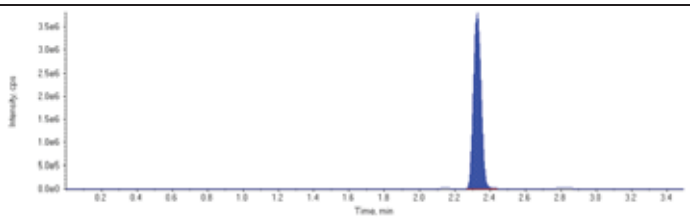
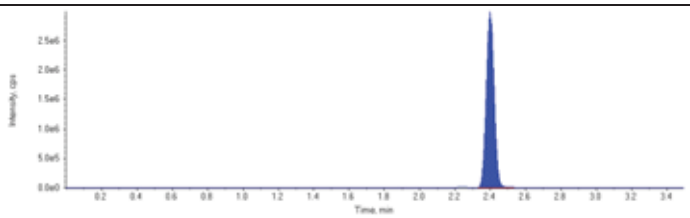
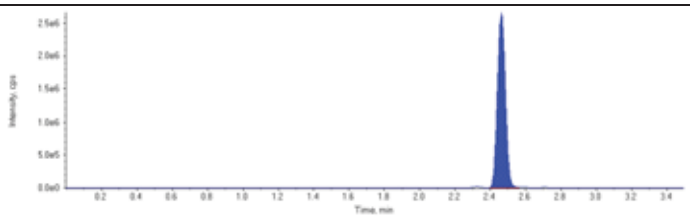
RT (Exp. RT): 2.01 (1.97) min

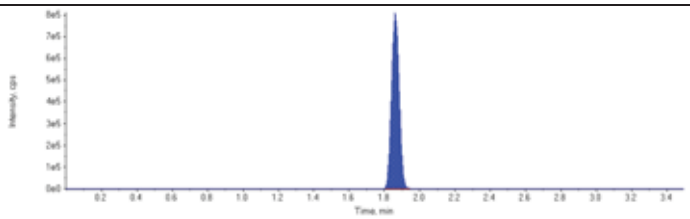
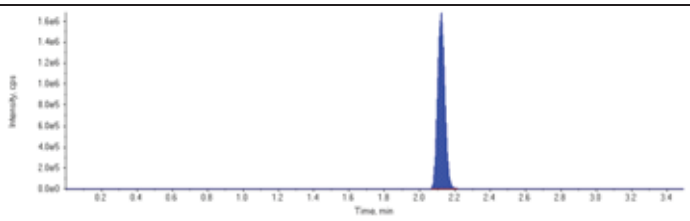
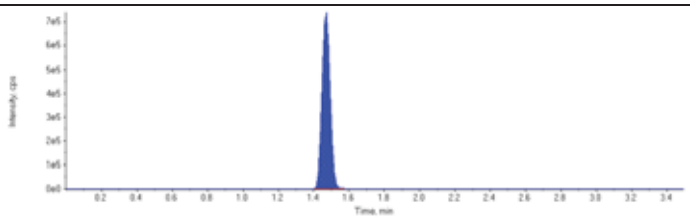
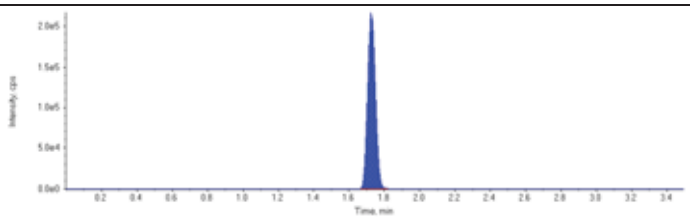
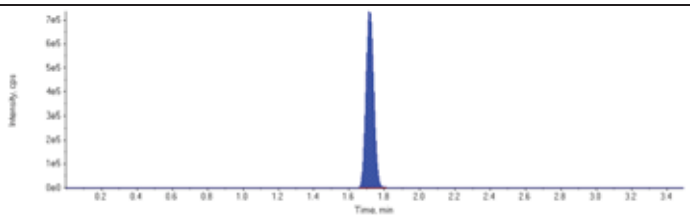
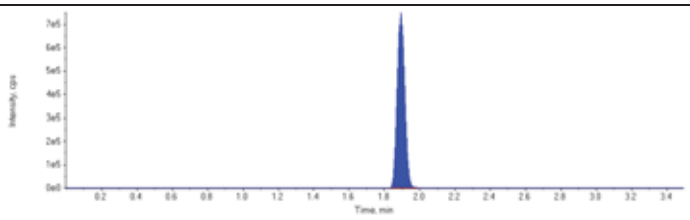
Calculated Conc: 52.5 µg/L

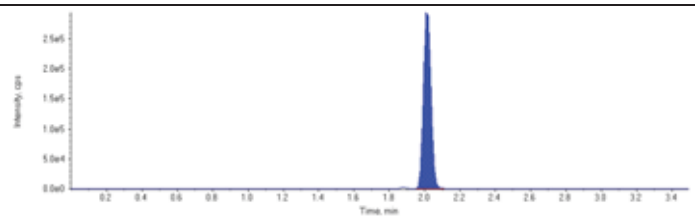
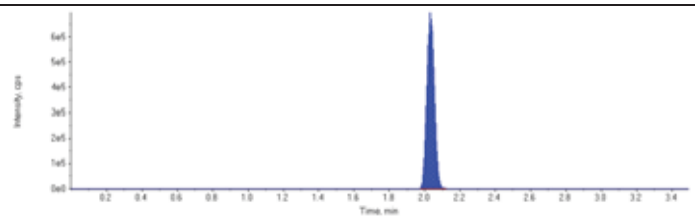
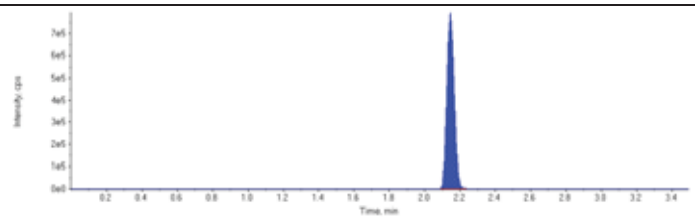
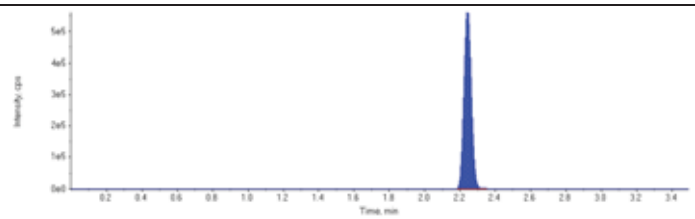
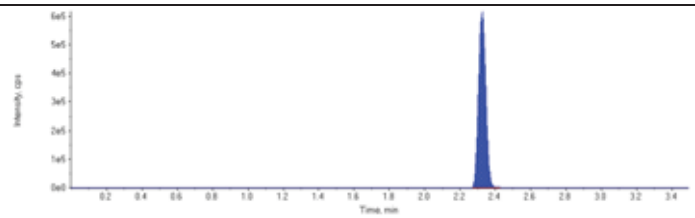
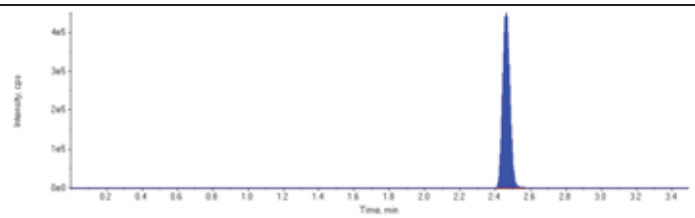
Area Ratio: 7.74

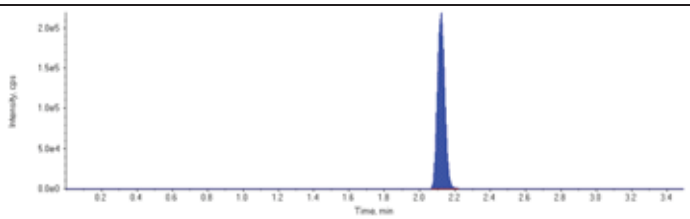
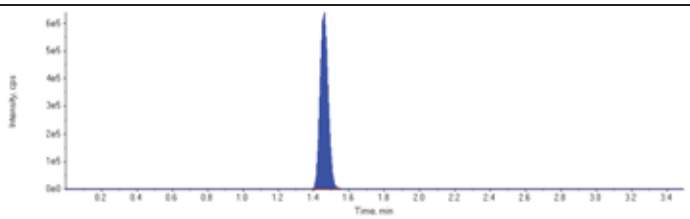
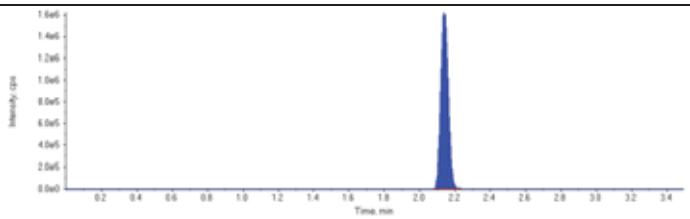
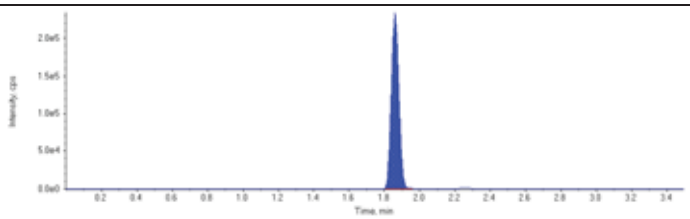
Sample Type: (Standard)



PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 50.6 µg/L Area Ratio: 4.18 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 49.2 µg/L Area Ratio: 5.81 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 52.6 µg/L Area Ratio: 6.97 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 49.6 µg/L Area Ratio: 6.42 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 52.5 µg/L Area Ratio: 7.07 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 50.6 µg/L Area Ratio: 6.38 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 52.7 µg/L Area Ratio: 3.50 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 52.3 µg/L Area Ratio: 7.53 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 98.1 µg/L Area Ratio: 1.19 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 99.4 µg/L Area Ratio: 0.335 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 98.0 µg/L Area Ratio: 1.13 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 100. µg/L Area Ratio: 1.11 Sample Type: (Standard)	

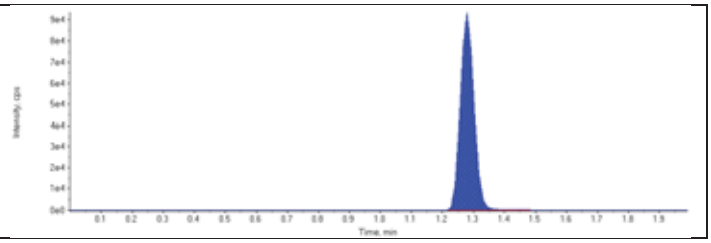
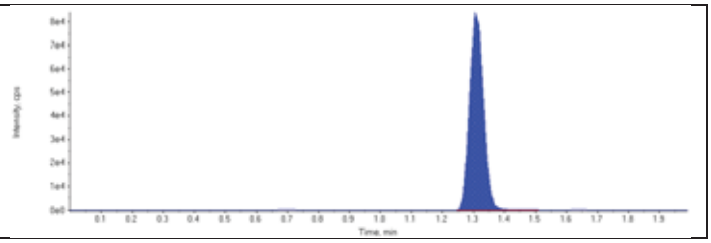
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 97.4 µg/L Area Ratio: 0.439 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 90.4 µg/L Area Ratio: 1.04 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 101. µg/L Area Ratio: 0.468 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 93.3 µg/L Area Ratio: 0.340 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 108. µg/L Area Ratio: 0.357 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 102. µg/L Area Ratio: 0.264 Sample Type: (Standard)	

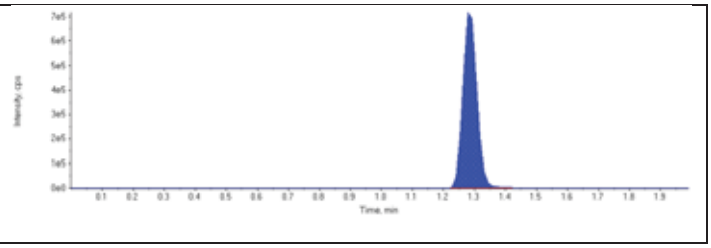
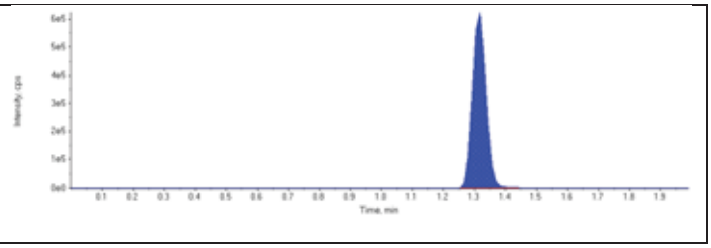
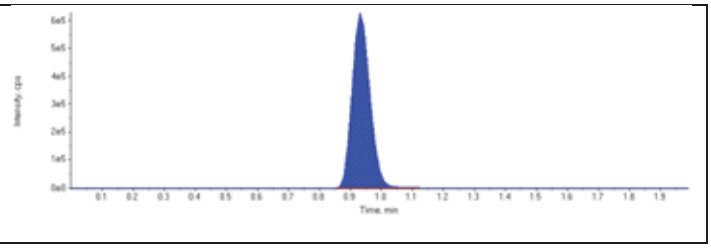
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 94.3 µg/L Area Ratio: 0.318 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 98.8 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 95.1 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 95.9 µg/L Area Ratio: 0.343 Sample Type: (Standard)	

Sample ID	STD 6	**Injection Volume (µL)**	2
Sample Type	Standard	**Injection Vial**	8
Acquisition Date	2017/02/27 8:56:52 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	285000.	1.28	1.00	-
D5-EtFOSAA IS	260000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	2270000	1.28	50.0	50.8	102.0
EtFOSAA 1	1900000	1.31	50.0	51.7	103.0
13C9-PFDA	2530000	0.932	100.	96.9	96.9

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.28(1.28) min Concentration: 1.00 ug/L Sample Type: (Standard)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.31(1.31) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.28 (1.30) min Calculated Conc: 50.8 µg/L Area Ratio: 7.97 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.31 (1.31) min Calculated Conc: 51.7 µg/L Area Ratio: 7.32 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.932 (0.855) min Calculated Conc: 96.9 µg/L Area Ratio: 0.00 Sample Type: (Standard)	

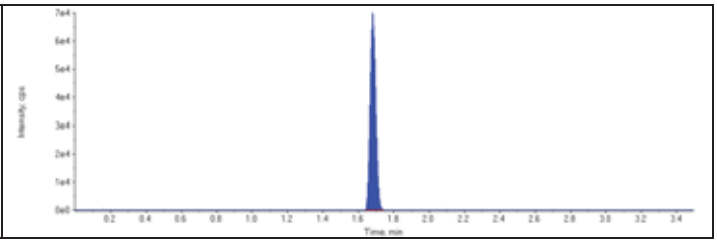
Sample ID	Std 1	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	3
Acquisition Date	2017/03/08 8:03:44 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	152000.	1.68	1.00	-
MPFHxA	465000.	1.47	1.00	-
MPFHpA	462000.	1.71	1.00	-
MPFOA	434000.	1.89	1.00	-
MPFOS	199000.	1.97	1.00	-
MPFNA	414000.	2.03	1.00	-
MPFDA	359000.	2.14	1.00	-
MPFUnA	287000.	2.24	1.00	-
MPFDoA	271000.	2.32	1.00	-
MPFTeDA	288000.	2.46	1.00	-
M2 6:2 FTS	394000.	1.83	1.00	-
M2 8:2 FTS	274000.	2.09	1.00	-
13C6-PFHxA IS	1500000.	1.46	1.00	-
13C9-PFDA IS	1300000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	111000	1.15	0.830	0.839	101.0
PFHxA 1	146000	1.47	0.830	0.799	96.2
PFHxS 1	88300	1.68	0.830	0.804	96.9
PFHpA 1	147000	1.71	0.830	0.718	86.5
PFOA 1	131000	1.89	0.830	0.709	85.4
PFOS 1	67500	1.97	0.830	0.783	94.3
PFNA 1	122000	2.03	0.830	0.802	96.6
PFDA 1	101000	2.15	0.830	0.799	96.3
PFUnA 1	96600	2.24	0.830	0.963	116.0
PFDoA 1	76100	2.32	0.830	0.730	88.0
PFTrDA 1	91300	2.39	0.830	0.742	89.4
PFTeDA 1	85400	2.46	0.830	0.805	97.0
6:2-FTS 1	100000	1.83	0.830	0.834	100.0
8:2-FTS 1	107000	2.10	0.830	0.682	82.1
13C2-PFHxA	465000	1.47	100.	88.3	88.3
18O2-PFHxS	152000	1.68	100.	91.1	91.1
13C4-PFHpA	462000	1.71	100.	80.8	80.8
13C4-PFOA	434000	1.89	100.	96.5	96.5
13C4-PFOS	199000	1.97	100.	95.0	95.0
13C5-PFNA	414000	2.03	100.	89.7	89.7
13C2-PFDA	359000	2.14	100.	85.2	85.2
13C2-PFUnA	287000	2.24	100.	94.4	94.4
13C2-PFDoA	271000	2.32	100.	96.5	96.5
13C2-PFTeDA	288000	2.46	100.	98.9	98.9
13C2-8:2 FTS	274000	2.09	100.	91.7	91.7
13C6-PFHxA	1500000	1.46	100.	112.	112.0
13C9-PFDA	1300000	2.14	100.	110.	110.0
13C2-6:2-FTS	394000	1.83	100.	89.3	89.3

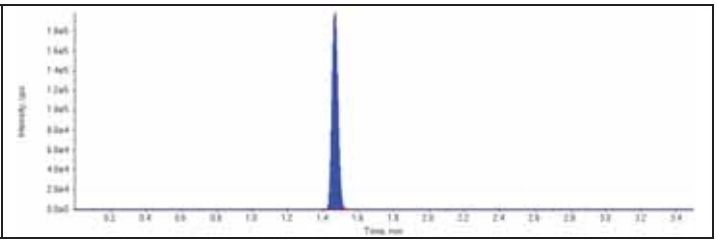
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



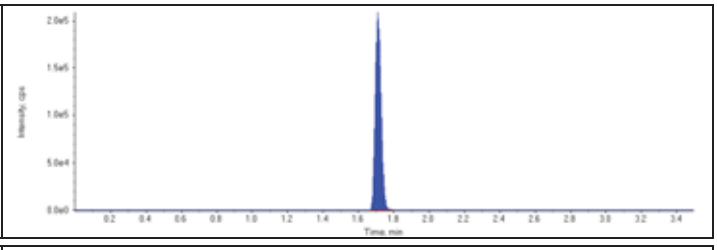
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



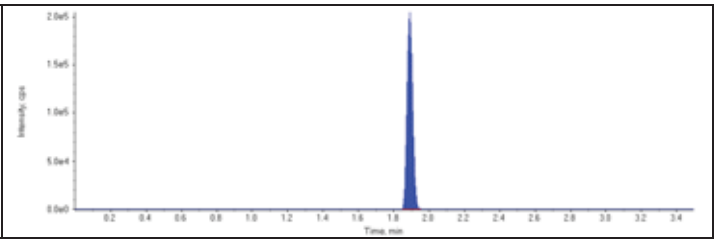
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



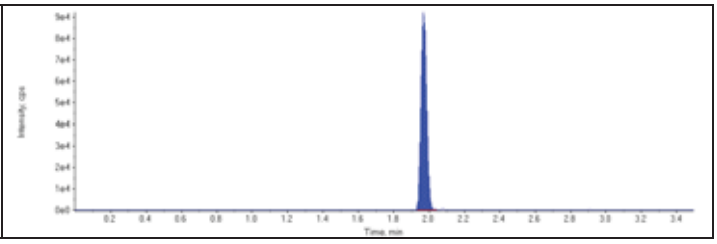
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



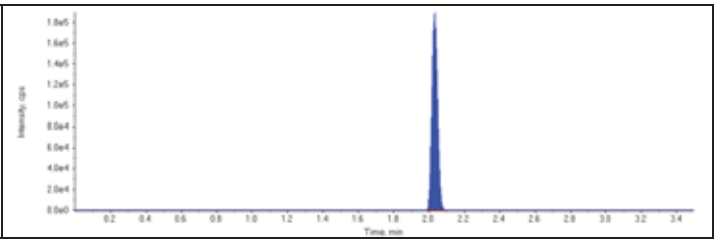
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



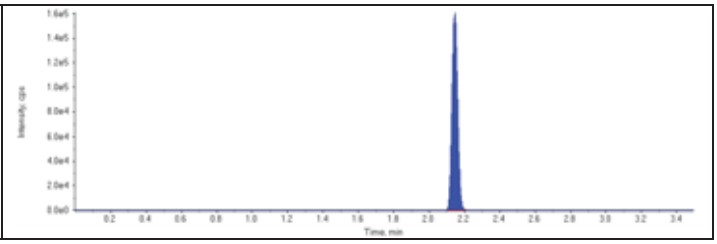
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



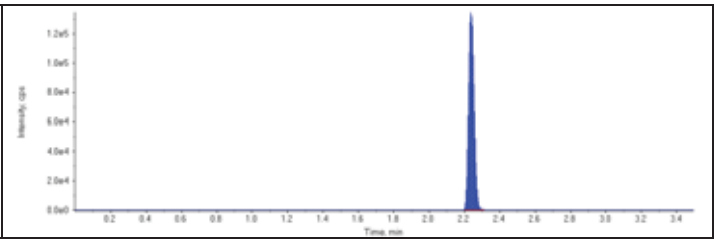
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



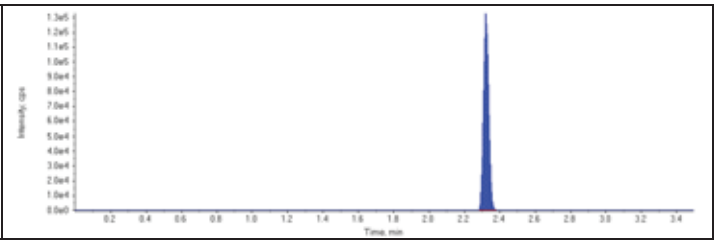
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



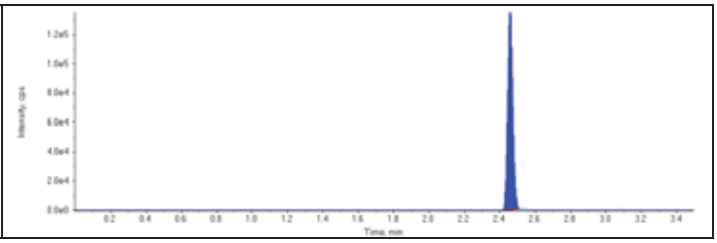
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



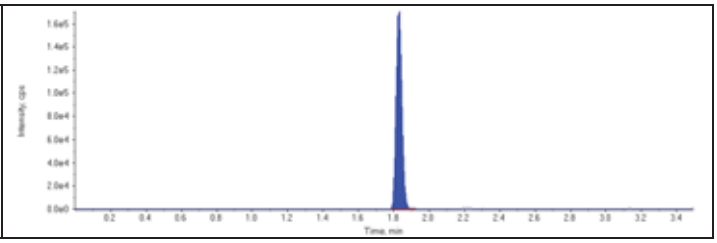
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



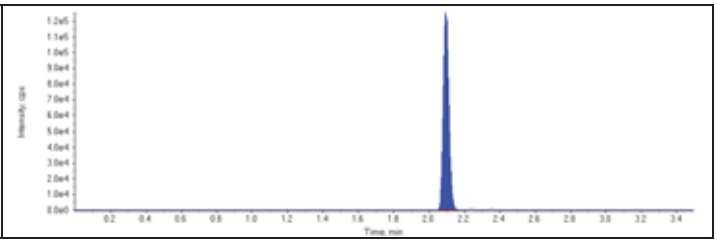
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



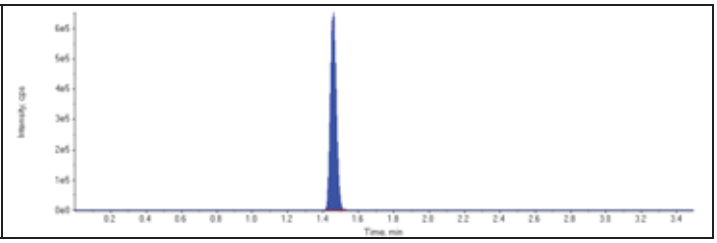
M2 8:2 FTS (Internal Standard)

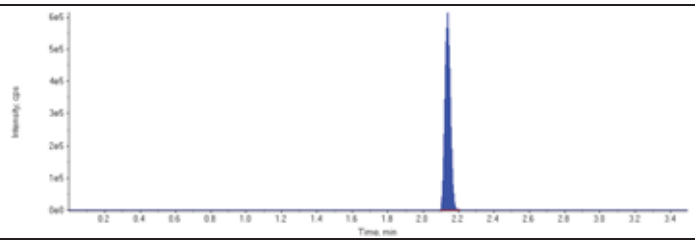
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

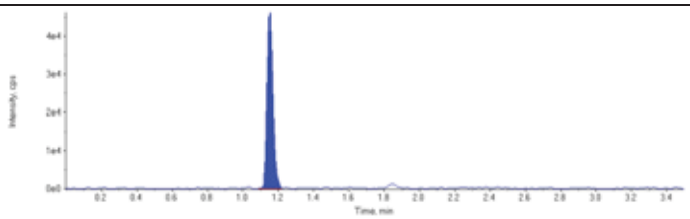
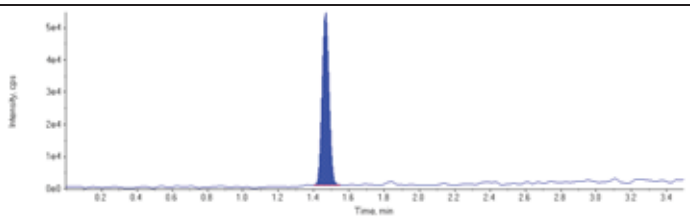
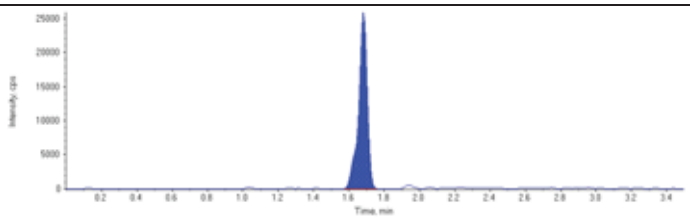
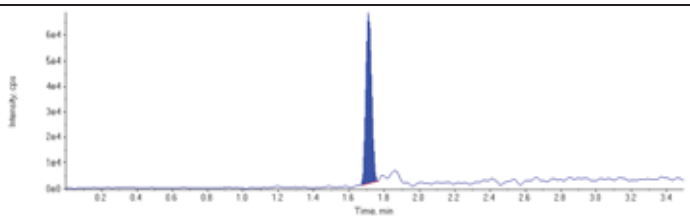
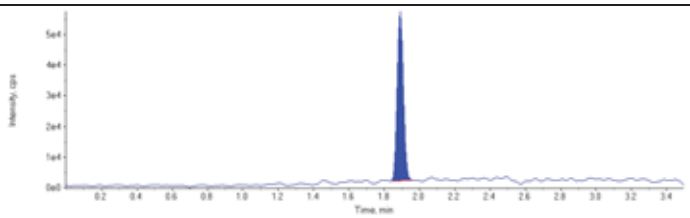
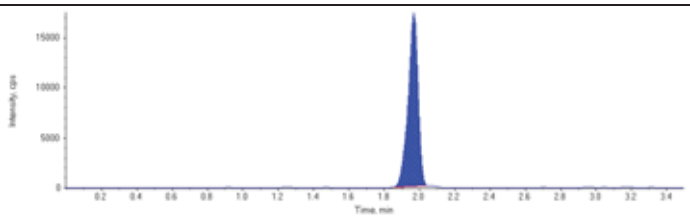


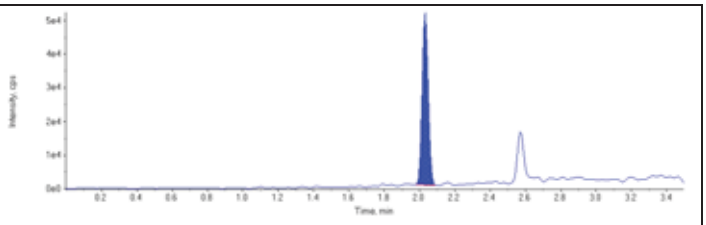
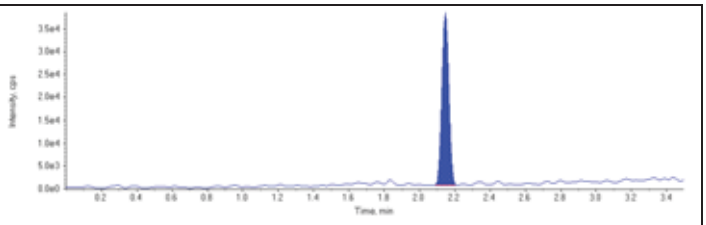
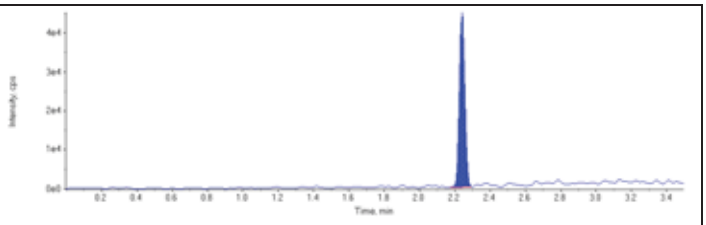
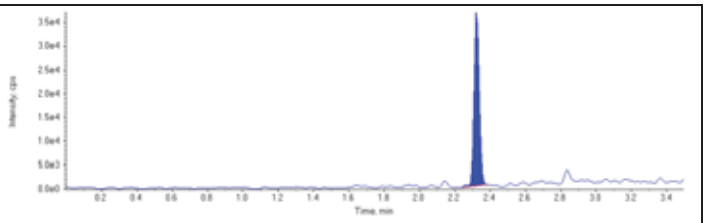
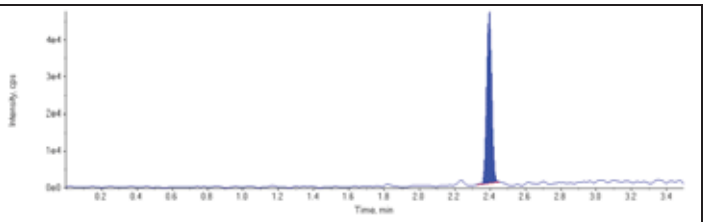
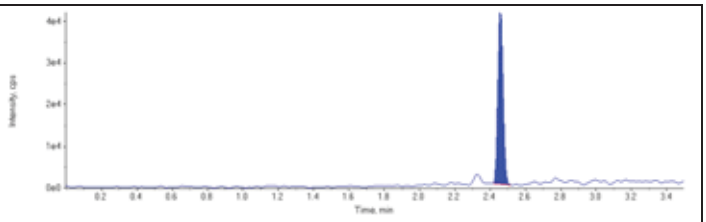
13C6-PFHxA IS (Internal Standard)

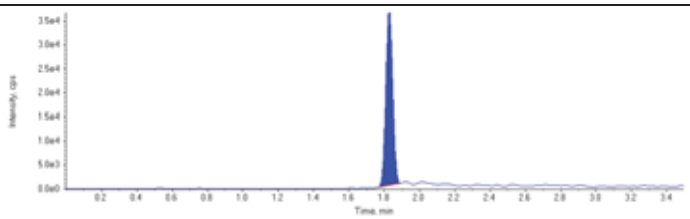
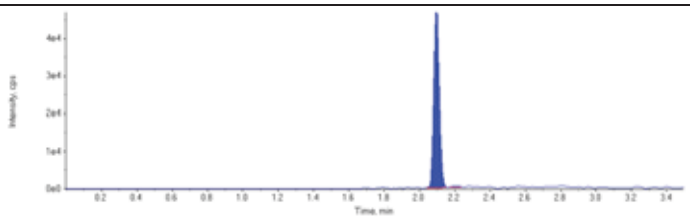
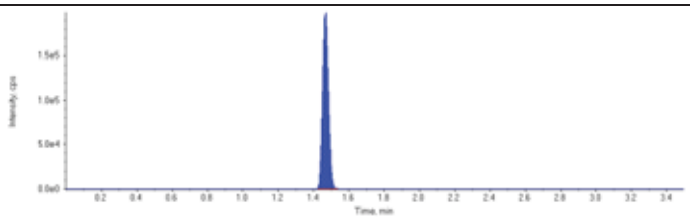
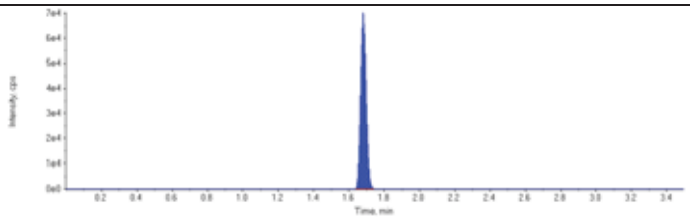
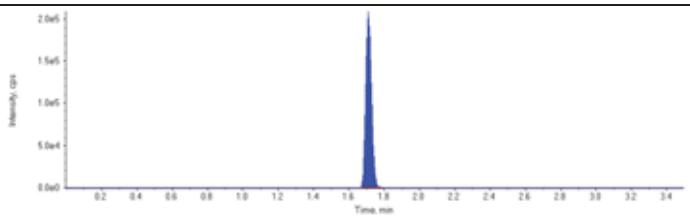
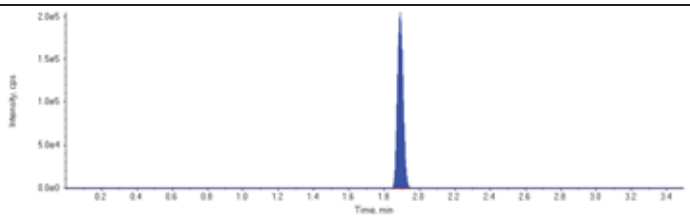
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

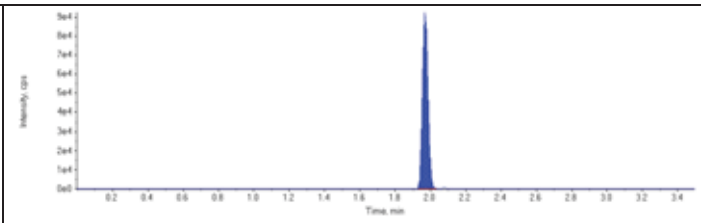
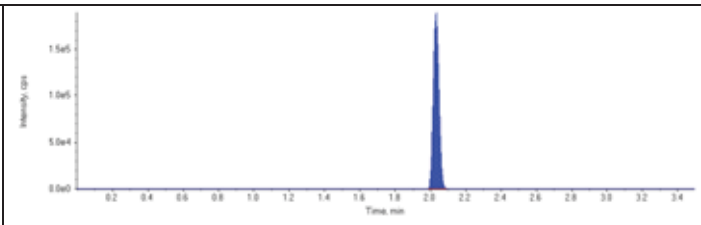
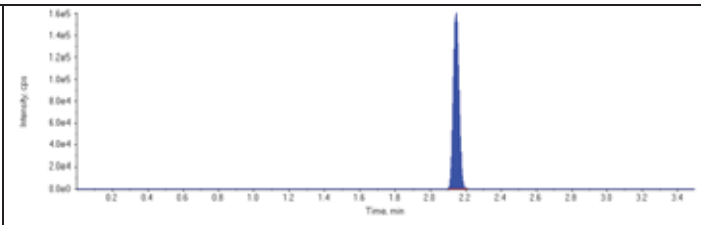
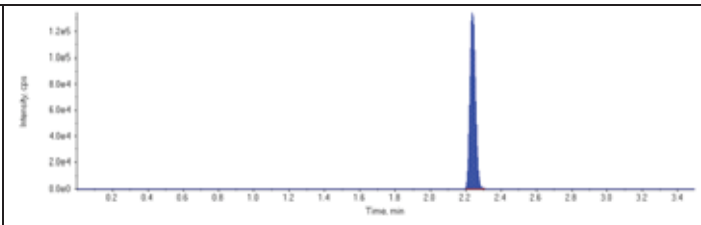
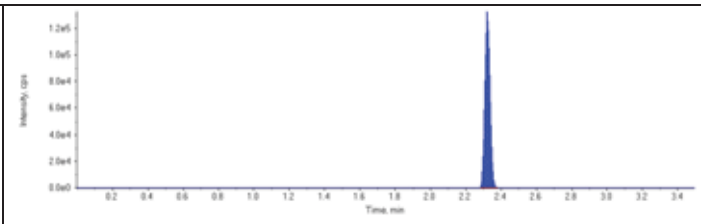
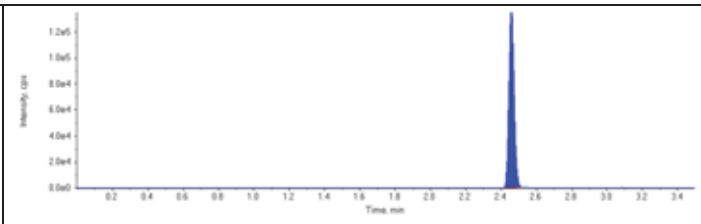


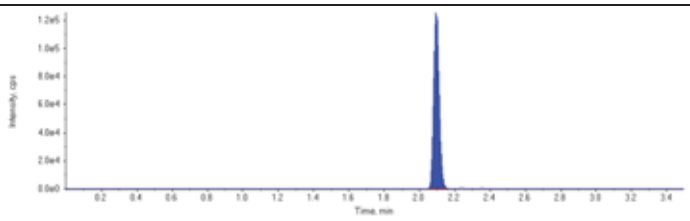
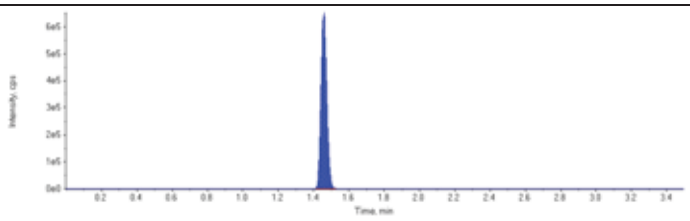
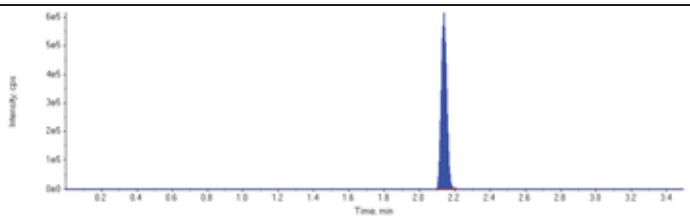
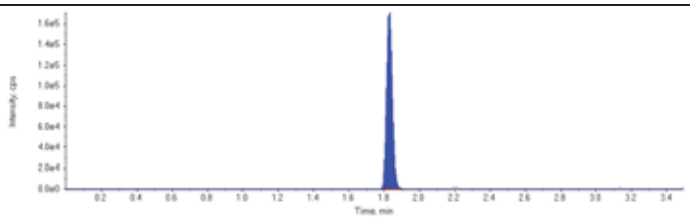
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 0.839 µg/L Area Ratio: 0.728 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 0.799 µg/L Area Ratio: 0.314 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 0.804 µg/L Area Ratio: 0.579 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 0.718 µg/L Area Ratio: 0.318 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 0.709 µg/L Area Ratio: 0.301 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 0.783 µg/L Area Ratio: 0.339 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 0.802 µg/L Area Ratio: 0.294 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 0.799 µg/L Area Ratio: 0.282 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 0.963 µg/L Area Ratio: 0.336 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 0.730 µg/L Area Ratio: 0.281 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 0.742 µg/L Area Ratio: 0.317 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 0.805 µg/L Area Ratio: 0.296 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 0.834 µg/L Area Ratio: 0.254 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 0.682 µg/L Area Ratio: 0.390 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 88.3 µg/L Area Ratio: 0.311 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 91.1 µg/L Area Ratio: 0.102 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 80.8 µg/L Area Ratio: 0.309 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 96.5 µg/L Area Ratio: 0.290 Sample Type: (Standard)	

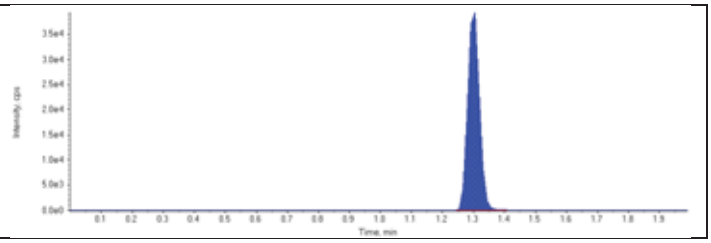
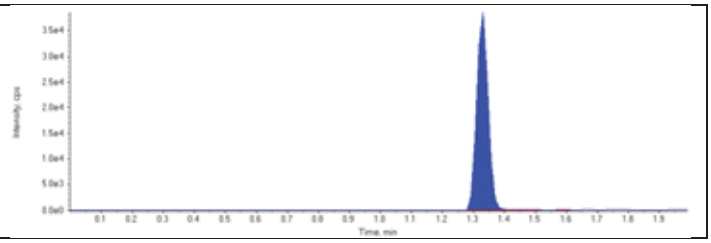
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 95.0 µg/L Area Ratio: 0.133 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 89.7 µg/L Area Ratio: 0.277 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 85.2 µg/L Area Ratio: 0.276 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 94.4 µg/L Area Ratio: 0.221 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 96.5 µg/L Area Ratio: 0.208 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 98.9 µg/L Area Ratio: 0.221 Sample Type: (Standard)	

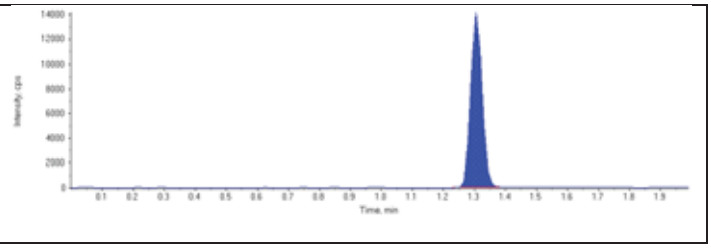
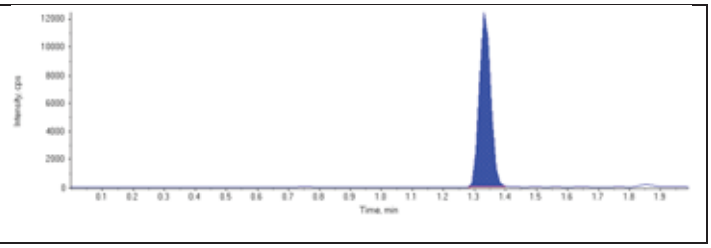
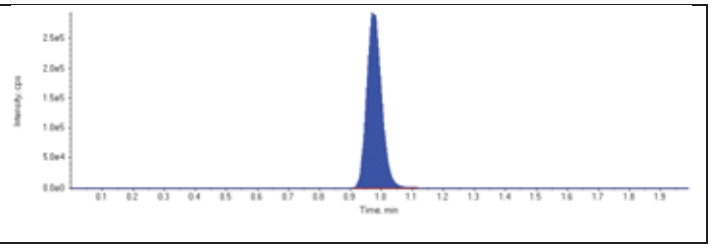
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 91.7 µg/L Area Ratio: 0.183 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 112. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 110. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 89.3 µg/L Area Ratio: 0.264 Sample Type: (Standard)	

Sample ID	Std 1	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	34
Acquisition Date	2017/03/03 5:41:32 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	104000.	1.30	1.00	-
D5-EtFOSAA IS	98600.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	35900	1.31	0.830	0.765	92.2
EtFOSAA 1	31000	1.33	0.830	0.850	102.0
13C9-PFDA	971000	0.975	100.	105.	105.0

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Standard)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 0.765 µg/L Area Ratio: 0.344 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 0.850 µg/L Area Ratio: 0.315 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.975 (0.855) min Calculated Conc: 105. µg/L Area Ratio: 0.00 Sample Type: (Standard)	

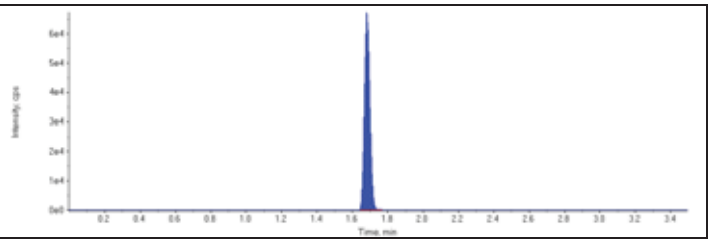
Sample ID	Std 2	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	4
Acquisition Date	2017/03/08 8:08:48 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	145000.	1.68	1.00	-
MPFHxA	436000.	1.47	1.00	-
MPFHpA	499000.	1.71	1.00	-
MPFOA	352000.	1.89	1.00	-
MPFOS	176000.	1.97	1.00	-
MPFNA	408000.	2.03	1.00	-
MPFDA	376000.	2.14	1.00	-
MPFUnA	272000.	2.24	1.00	-
MPFDoA	247000.	2.32	1.00	-
MPFTeDA	240000.	2.46	1.00	-
M2 6:2 FTS	388000.	1.83	1.00	-
M2 8:2 FTS	261000.	2.10	1.00	-
13C6-PFHxA IS	1500000.	1.46	1.00	-
13C9-PFDA IS	1220000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	225000	1.16	1.70	1.71	100.0
PFHxA 1	316000	1.47	1.70	1.81	107.0
PFHxS 1	177000	1.68	1.70	1.70	100.0
PFHpA 1	319000	1.71	1.70	1.68	98.6
PFOA 1	255000	1.89	1.70	1.88	111.0
PFOS 1	140000	1.97	1.70	1.81	107.0
PFNA 1	252000	2.03	1.70	1.74	102.0
PFDA 1	243000	2.14	1.70	1.80	106.0
PFUnA 1	172000	2.24	1.70	1.66	97.7
PFDoA 1	165000	2.32	1.70	1.84	108.0
PFTrDA 1	153000	2.39	1.70	1.65	97.3
PFTeDA 1	169000	2.46	1.70	1.78	104.0
6:2-FTS 1	186000	1.83	1.70	1.68	98.8
8:2-FTS 1	218000	2.09	1.70	1.71	101.0
13C2-PFHxA	436000	1.47	100.	82.6	82.6
18O2-PFHxS	145000	1.68	100.	86.3	86.3
13C4-PFHpA	499000	1.71	100.	87.1	87.1
13C4-PFOA	352000	1.89	100.	78.1	78.1
13C4-PFOS	176000	1.97	100.	83.8	83.8
13C5-PFNA	408000	2.03	100.	88.3	88.3
13C2-PFDA	376000	2.14	100.	95.4	95.4
13C2-PFUnA	272000	2.24	100.	95.3	95.3
13C2-PFDoA	247000	2.32	100.	93.9	93.9
13C2-PFTeDA	240000	2.46	100.	88.0	88.0
13C2-8:2 FTS	261000	2.10	100.	87.4	87.4
13C6-PFHxA	1500000	1.46	100.	112.	112.0
13C9-PFDA	1220000	2.14	100.	103.	103.0
13C2-6:2-FTS	388000	1.83	100.	87.9	87.9

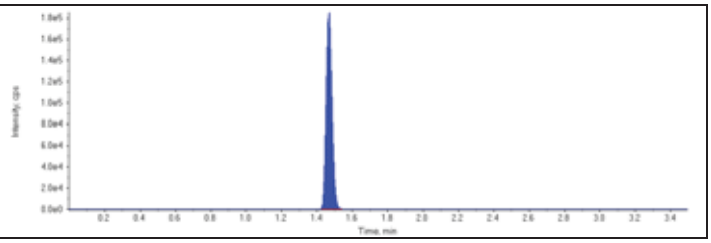
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



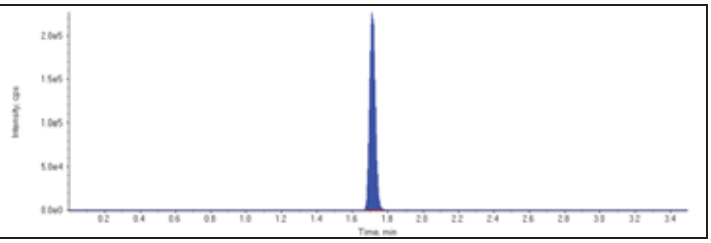
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



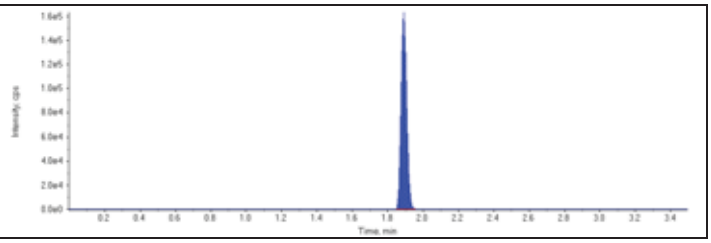
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



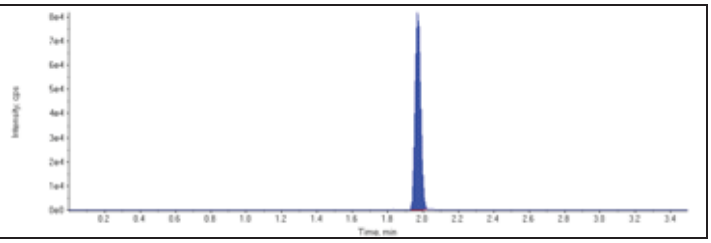
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



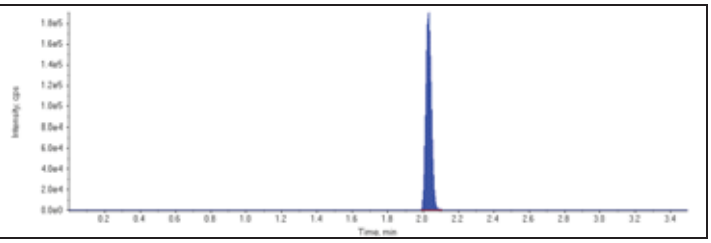
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



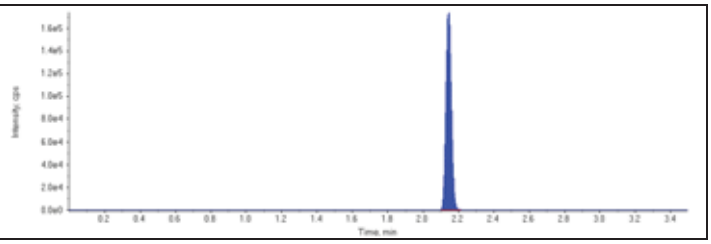
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



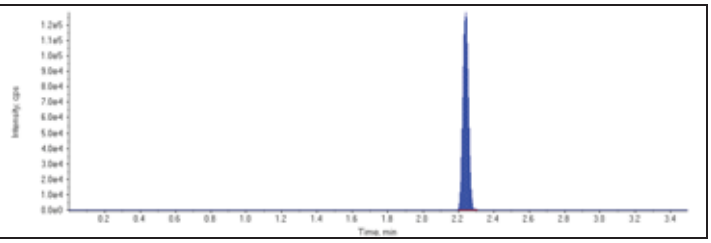
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



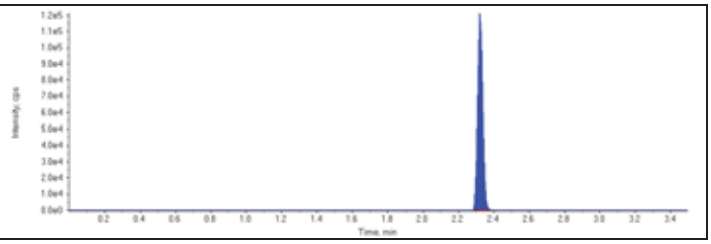
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



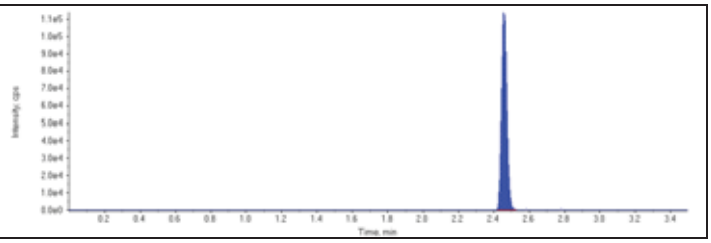
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



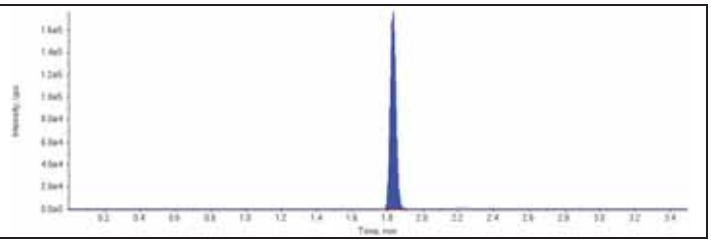
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



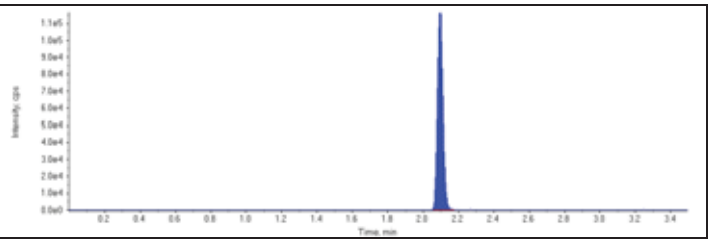
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



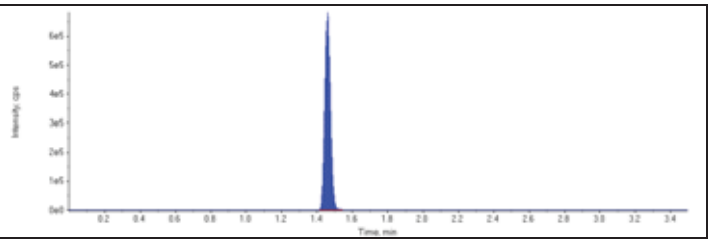
M2 8:2 FTS (Internal Standard)

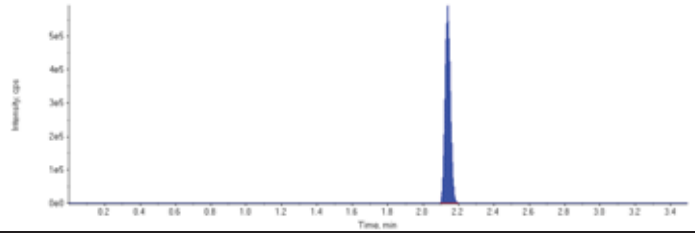
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

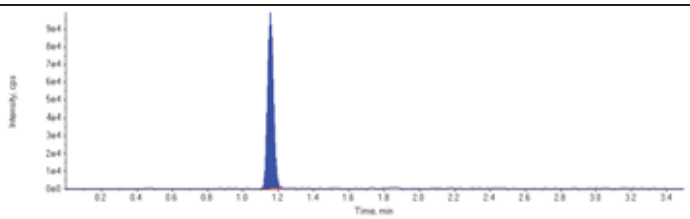
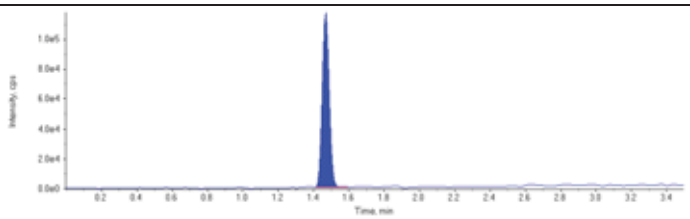
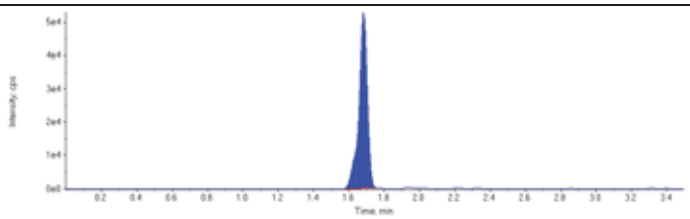
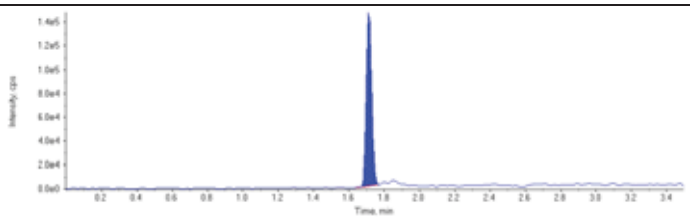
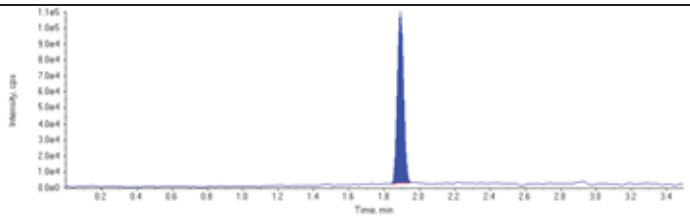
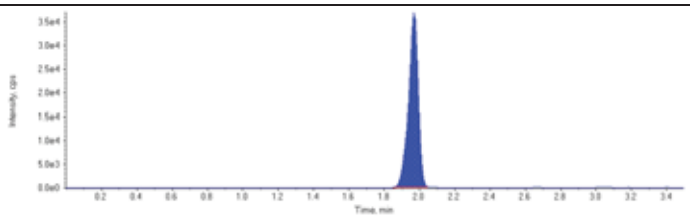


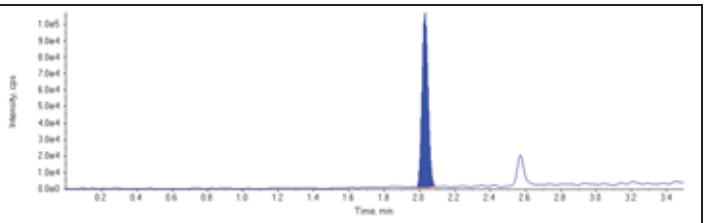
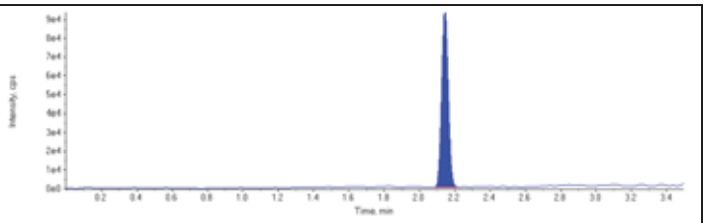
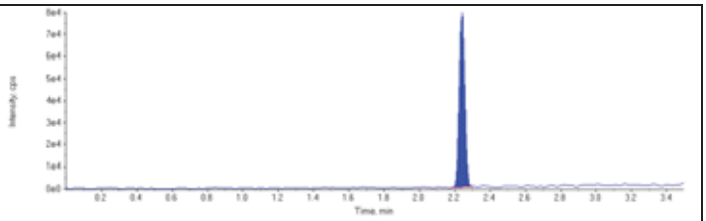
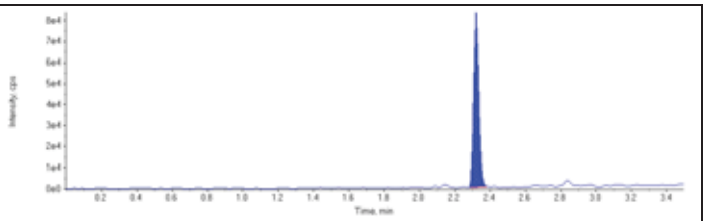
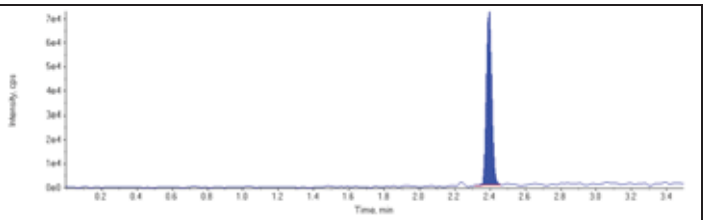
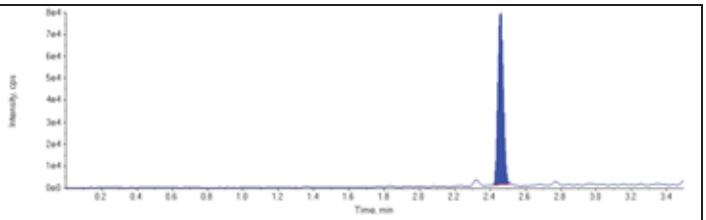
13C6-PFHxA IS (Internal Standard)

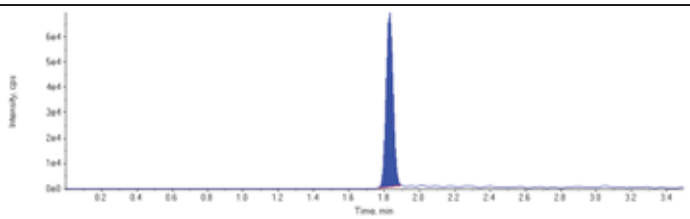
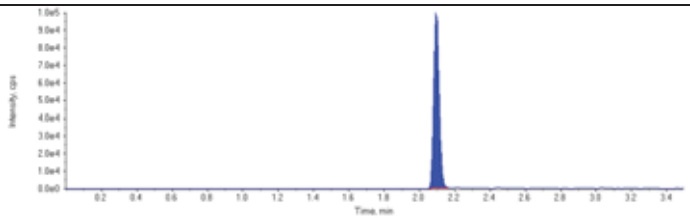
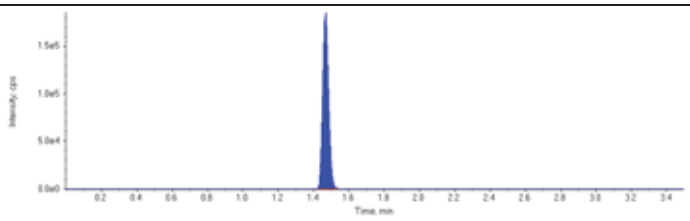
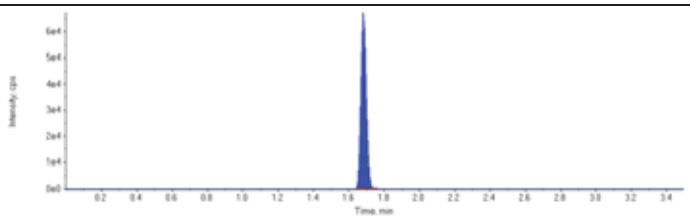
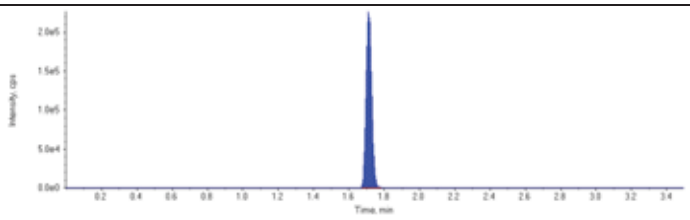
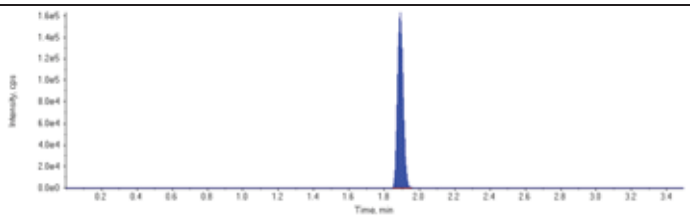
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

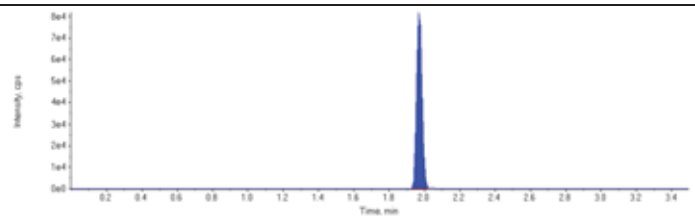
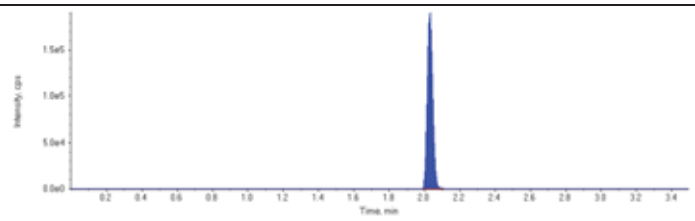
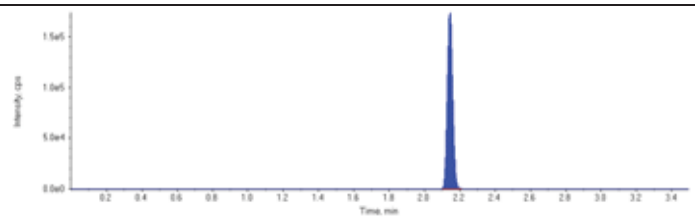
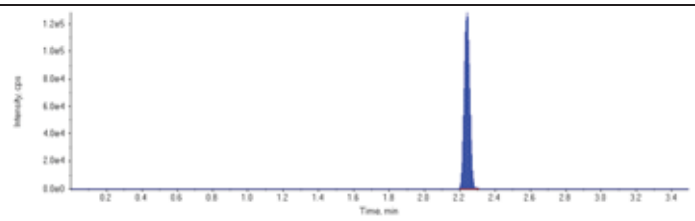
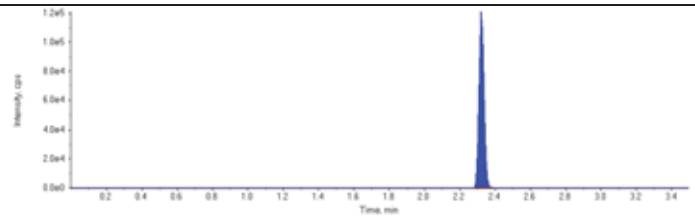
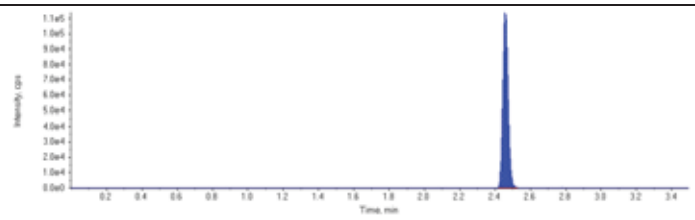


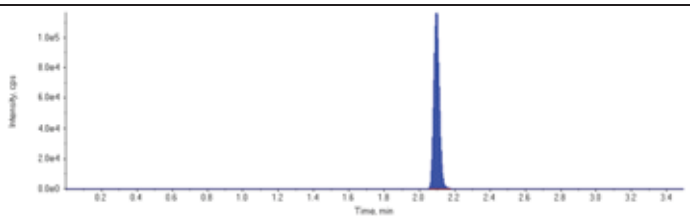
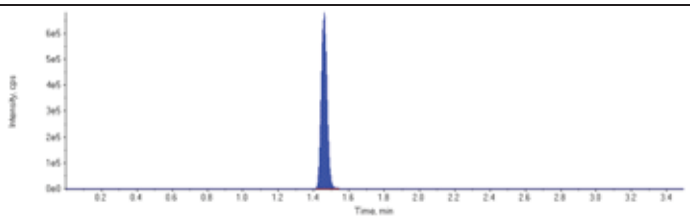
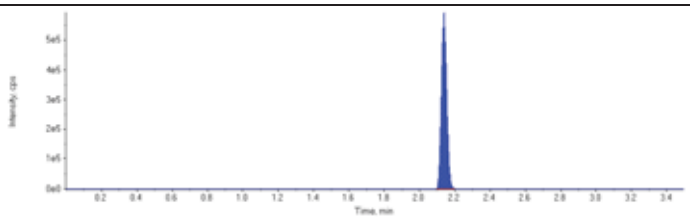
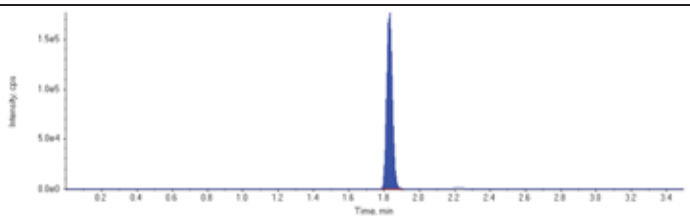
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.16 (1.19) min Calculated Conc: 1.71 µg/L Area Ratio: 1.56 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 1.81 µg/L Area Ratio: 0.726 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 1.70 µg/L Area Ratio: 1.22 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 1.68 µg/L Area Ratio: 0.640 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 1.88 µg/L Area Ratio: 0.724 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 1.81 µg/L Area Ratio: 0.799 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 1.74 µg/L Area Ratio: 0.617 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 1.80 µg/L Area Ratio: 0.647 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 1.66 µg/L Area Ratio: 0.633 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 1.84 µg/L Area Ratio: 0.668 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 1.65 µg/L Area Ratio: 0.636 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 1.78 µg/L Area Ratio: 0.701 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 1.68 µg/L Area Ratio: 0.478 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 1.71 µg/L Area Ratio: 0.834 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 82.6 µg/L Area Ratio: 0.291 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 86.3 µg/L Area Ratio: 0.0966 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 87.1 µg/L Area Ratio: 0.333 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 78.1 µg/L Area Ratio: 0.235 Sample Type: (Standard)	

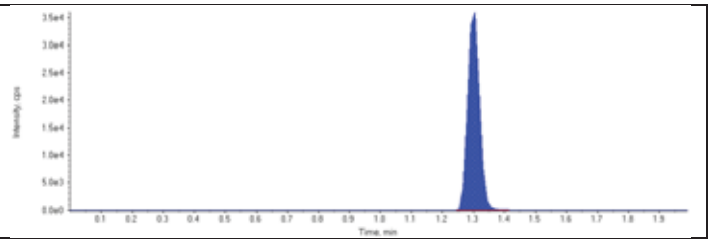
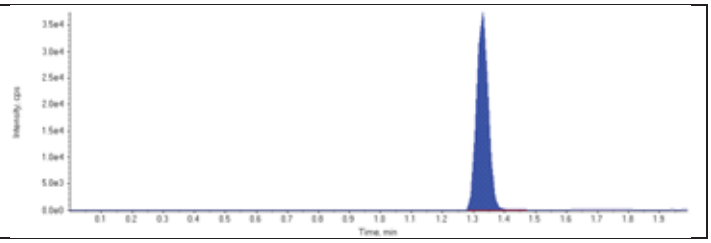
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 83.8 µg/L Area Ratio: 0.118 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 88.3 µg/L Area Ratio: 0.272 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 95.4 µg/L Area Ratio: 0.308 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 95.3 µg/L Area Ratio: 0.223 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 93.9 µg/L Area Ratio: 0.203 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 88.0 µg/L Area Ratio: 0.197 Sample Type: (Standard)	

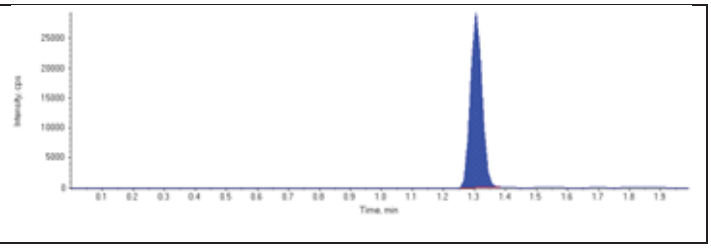
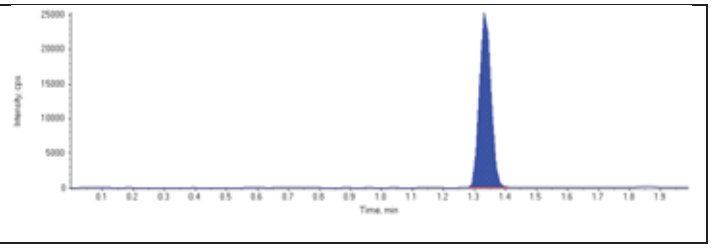
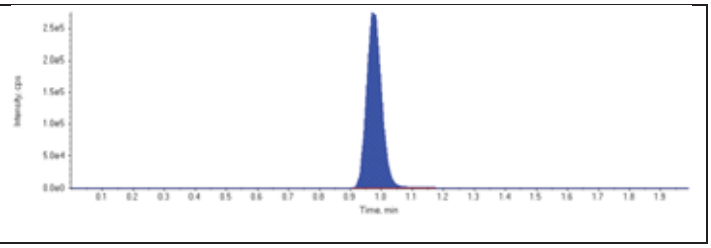
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 87.4 µg/L Area Ratio: 0.174 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 112. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 103. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 87.9 µg/L Area Ratio: 0.260 Sample Type: (Standard)	

Sample ID	Std 2	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	35
Acquisition Date	2017/03/03 5:44:06 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	95500.	1.30	1.00	-
D5-EtFOSAA IS	95100.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	73800	1.31	1.70	1.79	105.0
EtFOSAA 1	64600	1.33	1.70	1.74	102.0
13C9-PFDA	927000	0.975	100.	99.8	99.8

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Standard)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 1.79 µg/L Area Ratio: 0.772 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 1.74 µg/L Area Ratio: 0.679 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.975 (0.855) min Calculated Conc: 99.8 µg/L Area Ratio: 0.00 Sample Type: (Standard)	

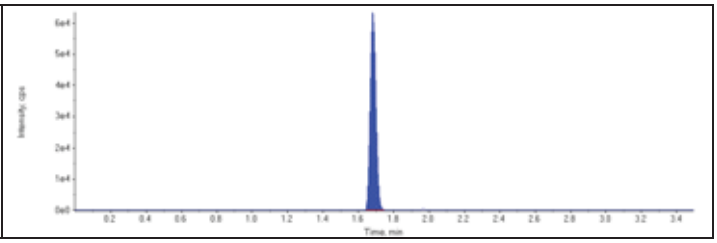
Sample ID	Std 3	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	5
Acquisition Date	2017/03/08 8:13:51 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	138000.	1.68	1.00	-
MPFHxA	477000.	1.47	1.00	-
MPFHpA	498000.	1.71	1.00	-
MPFOA	348000.	1.89	1.00	-
MPFOS	185000.	1.97	1.00	-
MPFNA	419000.	2.03	1.00	-
MPFDA	344000.	2.14	1.00	-
MPFUnA	293000.	2.24	1.00	-
MPFDoA	239000.	2.32	1.00	-
MPFTeDA	247000.	2.46	1.00	-
M2 6:2 FTS	409000.	1.83	1.00	-
M2 8:2 FTS	267000.	2.10	1.00	-
13C6-PFHxA IS	1360000.	1.46	1.00	-
13C9-PFDA IS	1180000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	687000	1.15	5.00	5.27	105.0
PFHxA 1	1010000	1.47	5.00	5.26	105.0
PFHxS 1	524000	1.68	5.00	5.29	106.0
PFHpA 1	989000	1.71	5.00	5.70	114.0
PFOA 1	710000	1.89	5.00	5.53	111.0
PFOS 1	414000	1.97	5.00	5.03	101.0
PFNA 1	750000	2.03	5.00	5.15	103.0
PFDA 1	674000	2.14	5.00	5.41	108.0
PFUnA 1	524000	2.24	5.00	4.39	87.8
PFDoA 1	427000	2.32	5.00	5.04	101.0
PFTrDA 1	487000	2.40	5.00	5.49	110.0
PFTeDA 1	528000	2.46	5.00	5.23	105.0
6:2-FTS 1	564000	1.83	5.00	5.08	102.0
8:2-FTS 1	671000	2.10	5.00	5.59	112.0
13C2-PFHxA	477000	1.47	100.	99.1	99.1
18O2-PFHxS	138000	1.68	100.	90.7	90.7
13C4-PFHpA	498000	1.71	100.	95.3	95.3
13C4-PFOA	348000	1.89	100.	84.6	84.6
13C4-PFOS	185000	1.97	100.	96.9	96.9
13C5-PFNA	419000	2.03	100.	99.5	99.5
13C2-PFDA	344000	2.14	100.	90.1	90.1
13C2-PFUnA	293000	2.24	100.	106.	106.0
13C2-PFDoA	239000	2.32	100.	93.7	93.7
13C2-PFTeDA	247000	2.46	100.	93.3	93.3
13C2-8:2 FTS	267000	2.10	100.	98.2	98.2
13C6-PFHxA	1360000	1.46	100.	102.	102.0
13C9-PFDA	1180000	2.14	100.	99.4	99.4
13C2-6:2-FTS	409000	1.83	100.	101.	101.0

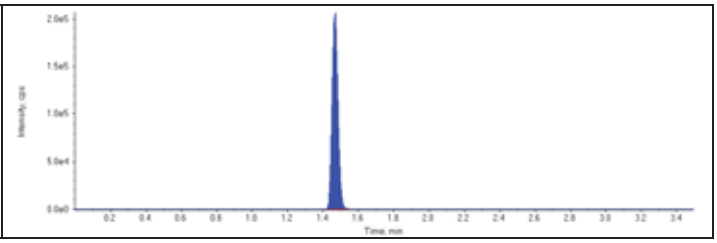
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



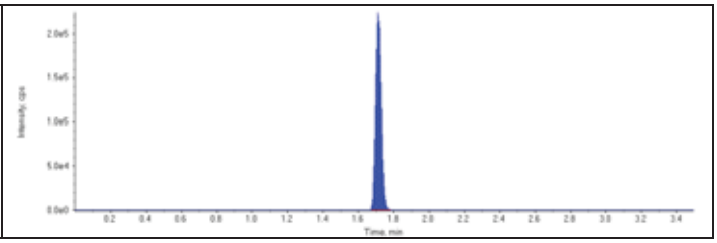
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



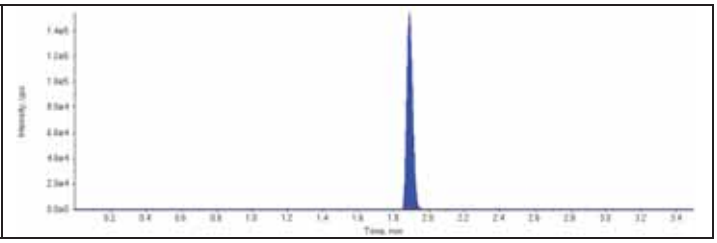
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



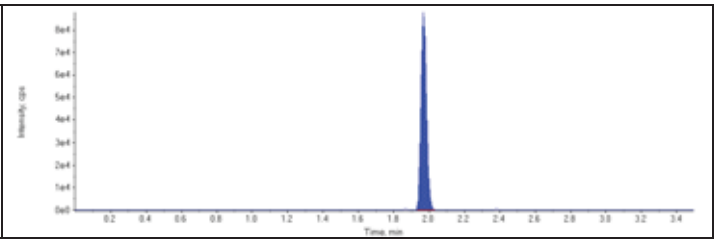
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



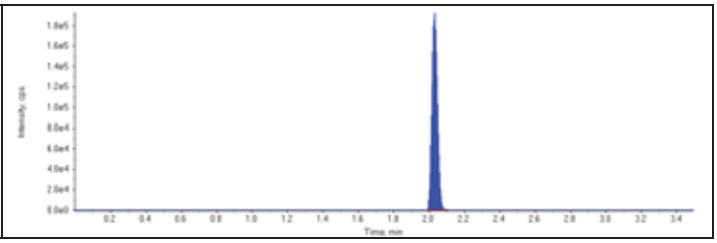
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



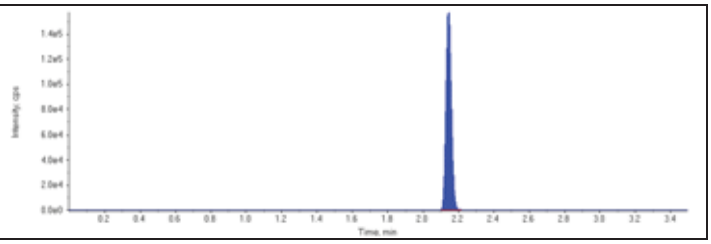
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



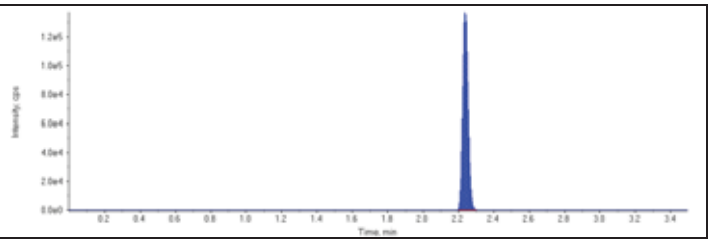
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



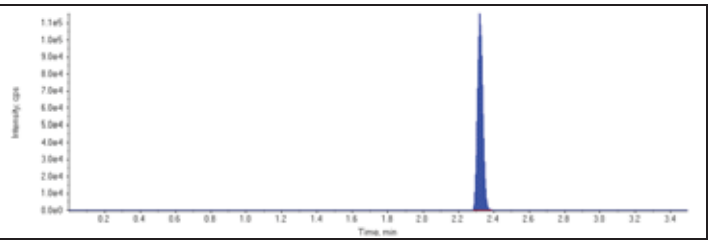
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



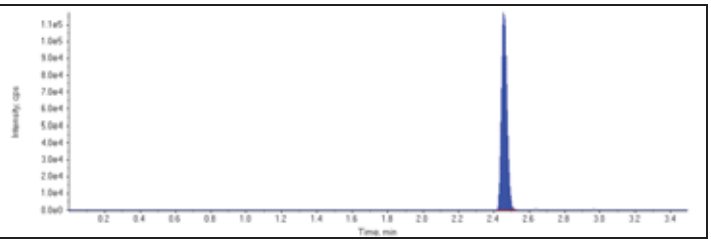
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



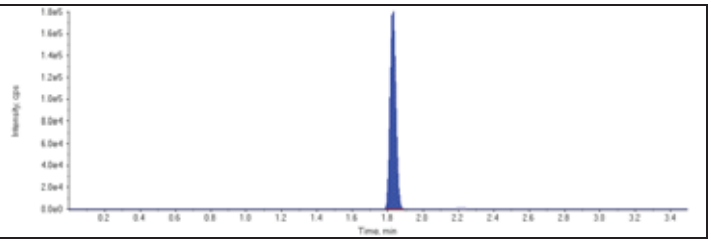
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



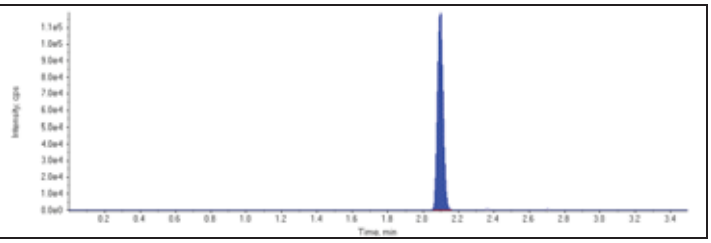
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



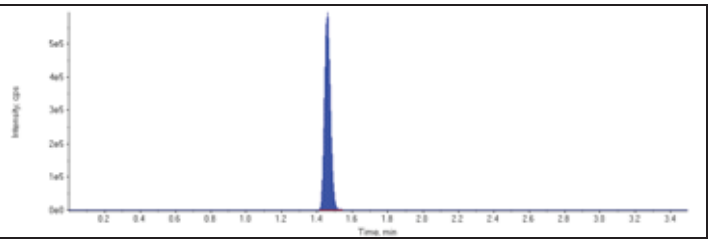
M2 8:2 FTS (Internal Standard)

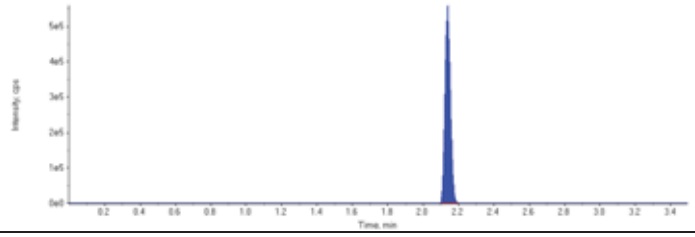
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

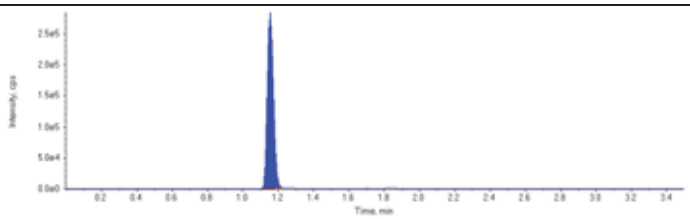
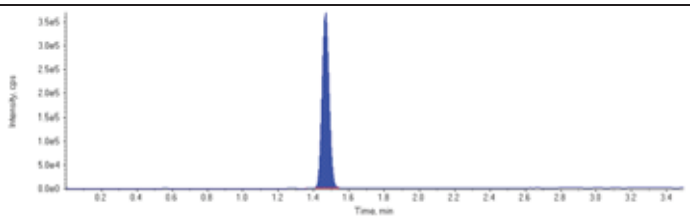
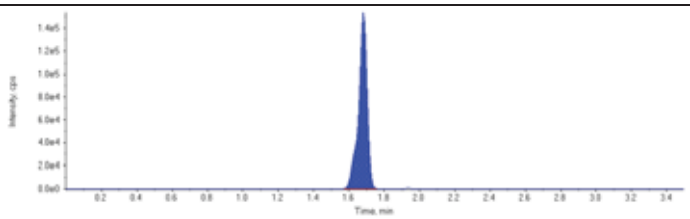
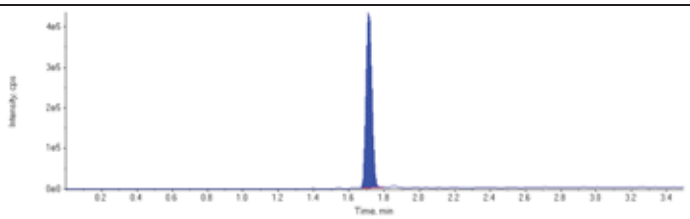
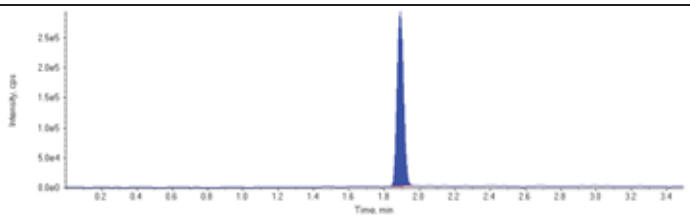
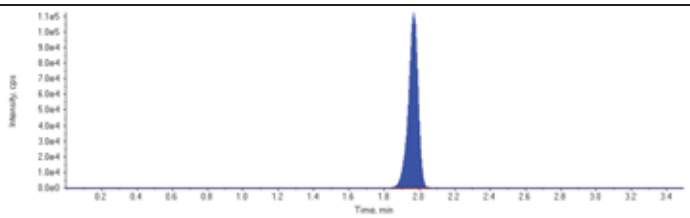


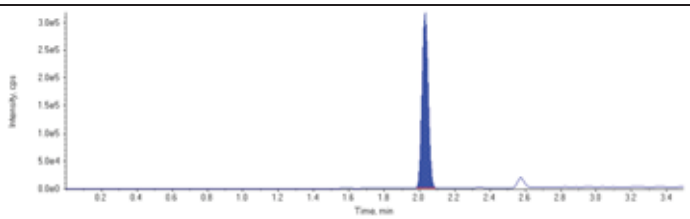
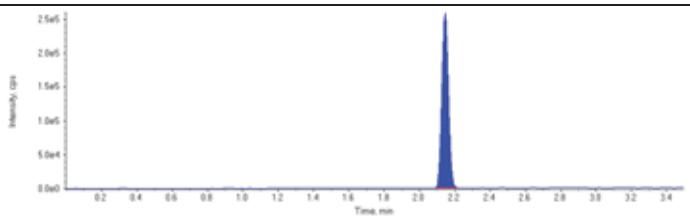
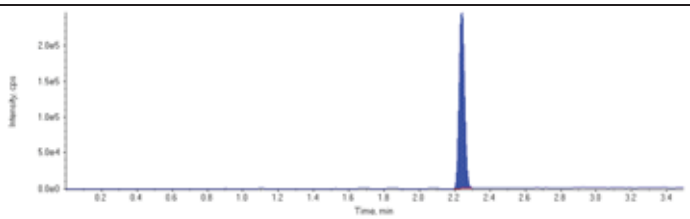
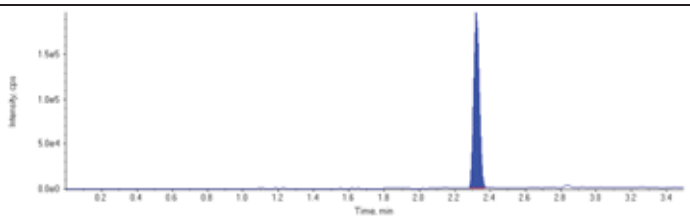
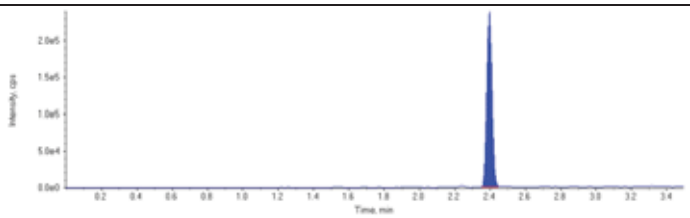
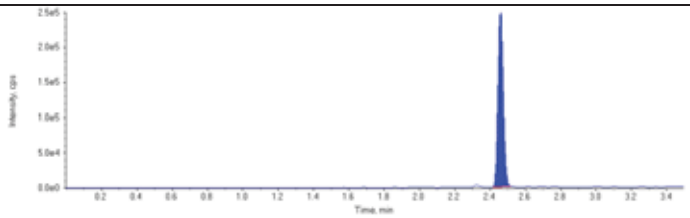
13C6-PFHxA IS (Internal Standard)

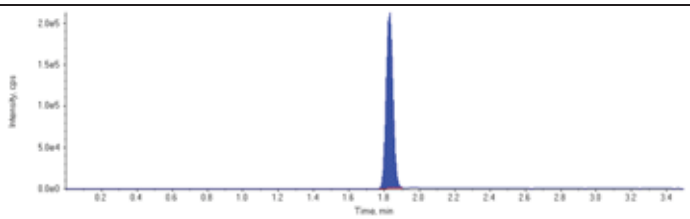
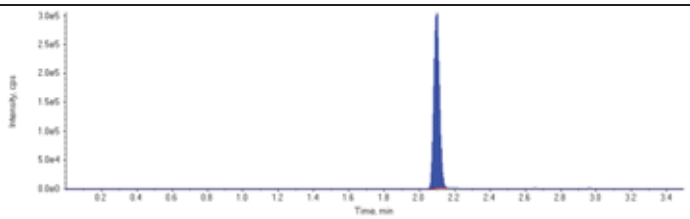
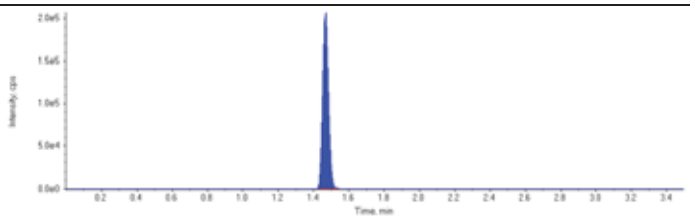
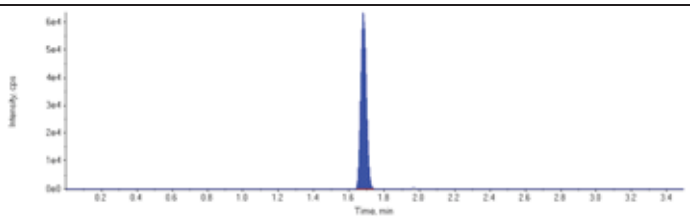
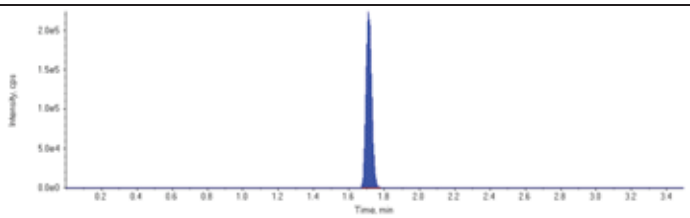
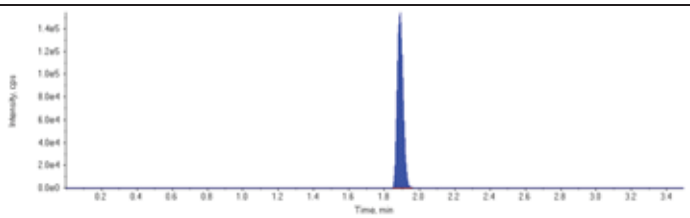
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

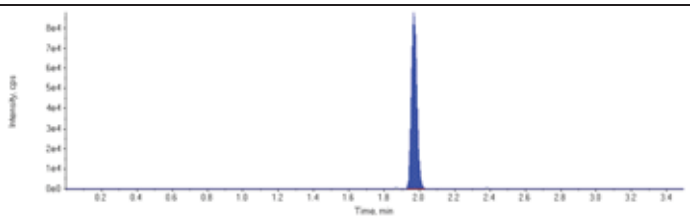
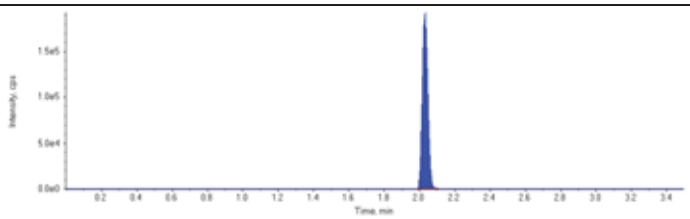
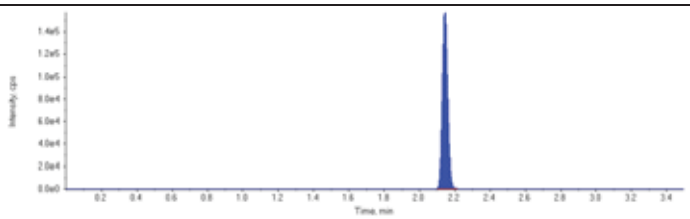
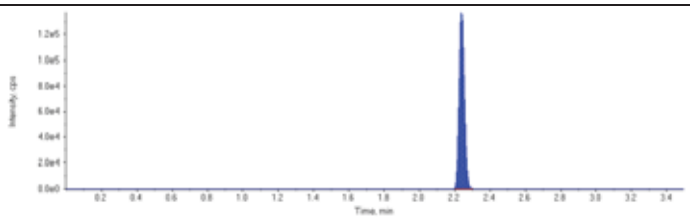
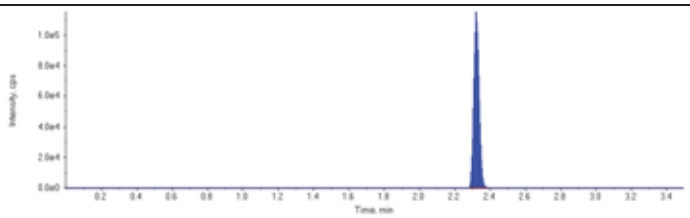
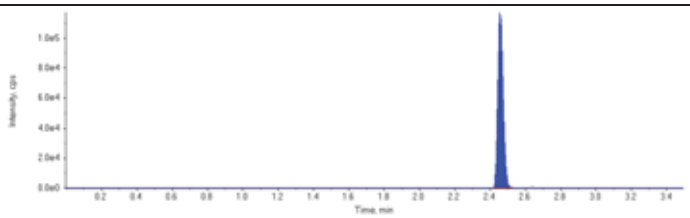


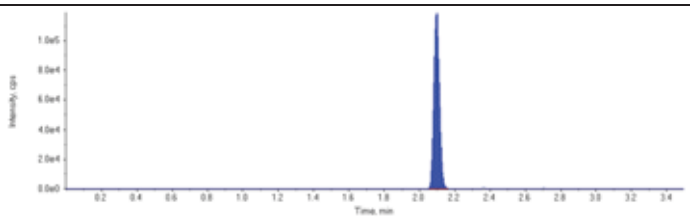
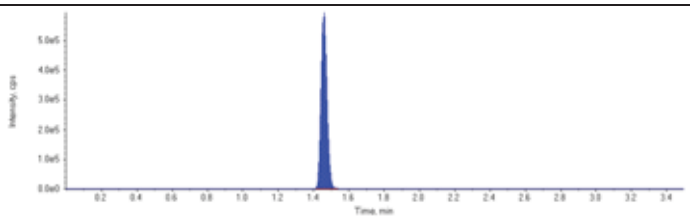
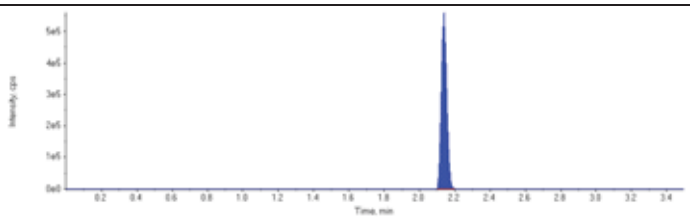
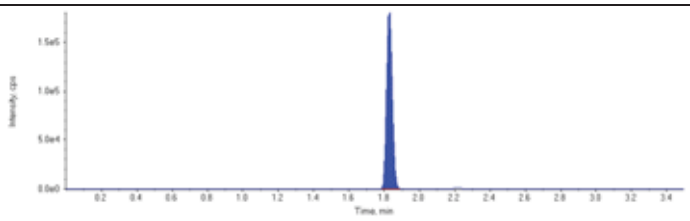
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 5.27 µg/L Area Ratio: 4.96 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 5.26 µg/L Area Ratio: 2.13 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 5.29 µg/L Area Ratio: 3.78 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 5.70 µg/L Area Ratio: 1.99 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 5.53 µg/L Area Ratio: 2.04 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 5.03 µg/L Area Ratio: 2.23 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 5.15 µg/L Area Ratio: 1.79 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 5.41 µg/L Area Ratio: 1.96 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 4.39 µg/L Area Ratio: 1.79 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 5.04 µg/L Area Ratio: 1.79 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 5.49 µg/L Area Ratio: 1.98 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 5.23 µg/L Area Ratio: 2.14 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 5.08 µg/L Area Ratio: 1.38 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 5.59 µg/L Area Ratio: 2.51 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 99.1 µg/L Area Ratio: 0.349 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 90.7 µg/L Area Ratio: 0.101 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 95.3 µg/L Area Ratio: 0.365 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 84.6 µg/L Area Ratio: 0.255 Sample Type: (Standard)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 96.9 µg/L Area Ratio: 0.136 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 99.5 µg/L Area Ratio: 0.307 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 90.1 µg/L Area Ratio: 0.291 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 106. µg/L Area Ratio: 0.248 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 93.7 µg/L Area Ratio: 0.202 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 93.3 µg/L Area Ratio: 0.209 Sample Type: (Standard)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 98.2 µg/L Area Ratio: 0.196 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 102. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 99.4 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 101. µg/L Area Ratio: 0.300 Sample Type: (Standard)	

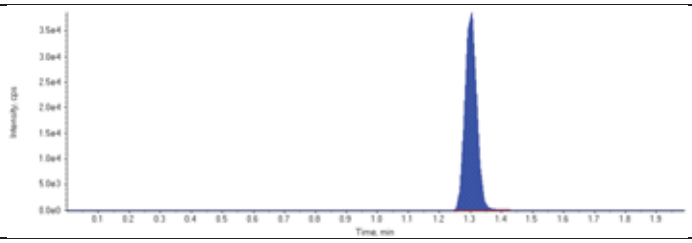
Sample ID	Std 3	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	36
Acquisition Date	2017/03/03 5:46:41 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	101000.	1.30	1.00	-
D5-EtFOSAA IS	100000.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	221000	1.31	5.00	5.16	103.0
EtFOSAA 1	196000	1.33	5.00	4.88	97.7
13C9-PFDA	1040000	0.978	100.	112.	112.0

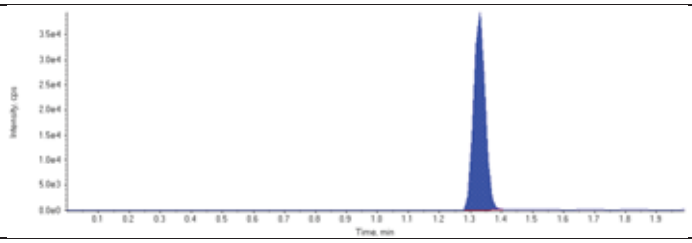
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



D5-EtFOSAA IS (Internal Standard)

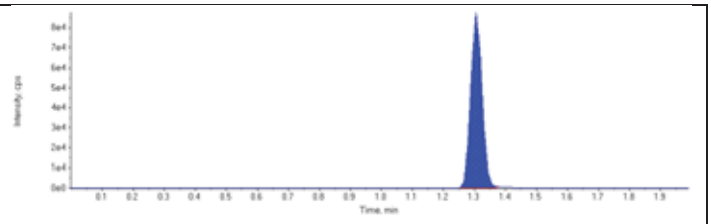
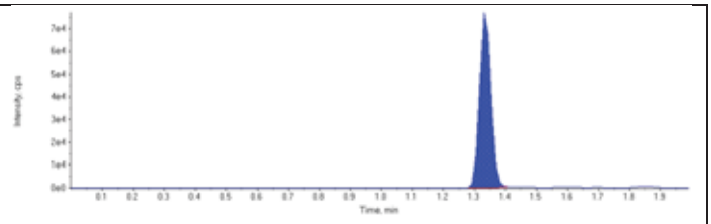
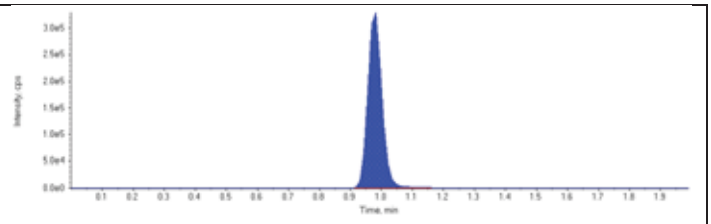
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Standard)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 5.16 µg/L Area Ratio: 2.18 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 4.88 µg/L Area Ratio: 1.96 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.978 (0.855) min Calculated Conc: 112. µg/L Area Ratio: 0.00 Sample Type: (Standard)	

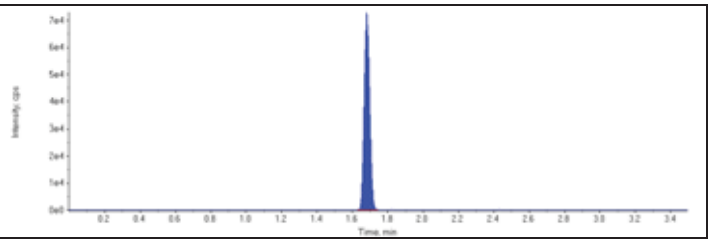
Sample ID	Std 4	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	6
Acquisition Date	2017/03/08 8:18:55 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	156000.	1.68	1.00	-
MPFHxA	484000.	1.47	1.00	-
MPFHpA	542000.	1.71	1.00	-
MPFOA	414000.	1.89	1.00	-
MPFOS	190000.	1.97	1.00	-
MPFNA	438000.	2.03	1.00	-
MPFDA	391000.	2.14	1.00	-
MPFUnA	276000.	2.24	1.00	-
MPFDoA	245000.	2.32	1.00	-
MPFTeDA	250000.	2.46	1.00	-
M2 6:2 FTS	407000.	1.83	1.00	-
M2 8:2 FTS	228000.	2.10	1.00	-
13C6-PFHxA IS	1260000.	1.46	1.00	-
13C9-PFDA IS	1040000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1710000	1.16	12.5	11.5	92.1
PFHxA 1	2260000	1.47	12.5	11.5	92.1
PFHxS 1	1370000	1.68	12.5	12.2	97.7
PFHpA 1	2370000	1.71	12.5	12.8	103.0
PFOA 1	1830000	1.89	12.5	12.1	96.7
PFOS 1	1050000	1.97	12.5	12.4	99.0
PFNA 1	1840000	2.03	12.5	12.2	97.5
PFDA 1	1660000	2.15	12.5	11.7	93.4
PFUnA 1	1350000	2.24	12.5	11.7	93.6
PFDoA 1	1160000	2.32	12.5	13.4	107.0
PFTrDA 1	1220000	2.39	12.5	13.8	111.0
PFTeDA 1	1390000	2.46	12.5	13.4	108.0
6:2-FTS 1	1370000	1.83	12.5	12.6	101.0
8:2-FTS 1	1390000	2.09	12.5	13.9	111.0
13C2-PFHxA	484000	1.47	100.	109.	109.0
18O2-PFHxS	156000	1.68	100.	111.	111.0
13C4-PFHpA	542000	1.71	100.	112.	112.0
13C4-PFOA	414000	1.89	100.	109.	109.0
13C4-PFOS	190000	1.97	100.	107.	107.0
13C5-PFNA	438000	2.03	100.	112.	112.0
13C2-PFDA	391000	2.14	100.	116.	116.0
13C2-PFUnA	276000	2.24	100.	113.	113.0
13C2-PFDoA	245000	2.32	100.	109.	109.0
13C2-PFTeDA	250000	2.46	100.	107.	107.0
13C2-8:2 FTS	228000	2.10	100.	90.5	90.5
13C6-PFHxA	1260000	1.46	100.	94.4	94.4
13C9-PFDA	1040000	2.14	100.	87.8	87.8
13C2-6:2-FTS	407000	1.83	100.	109.	109.0

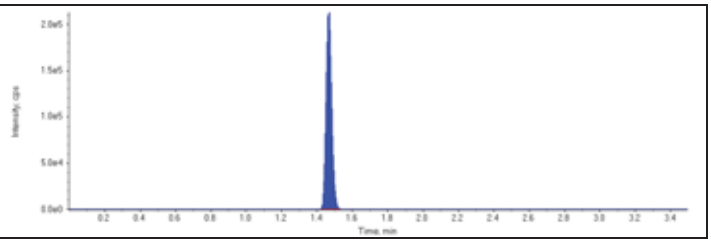
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



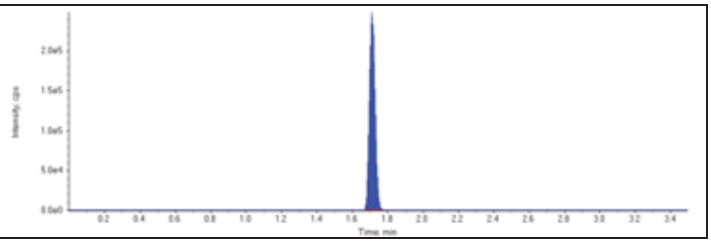
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



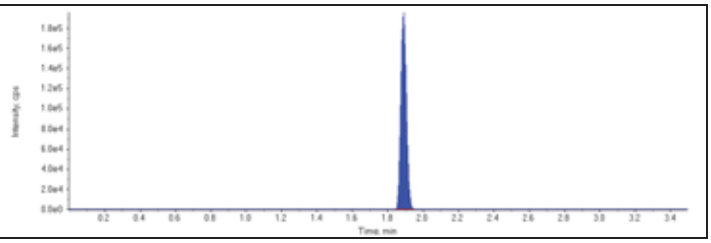
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



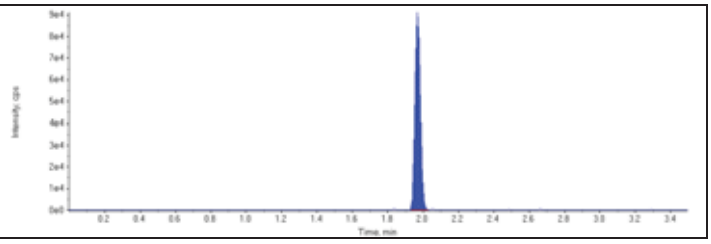
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



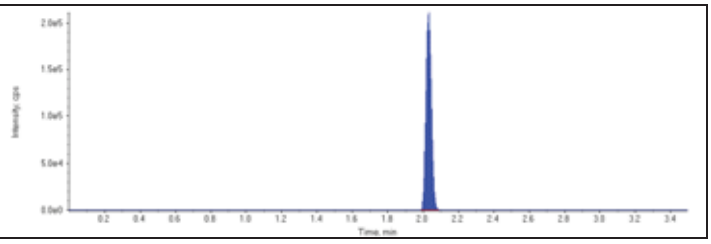
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



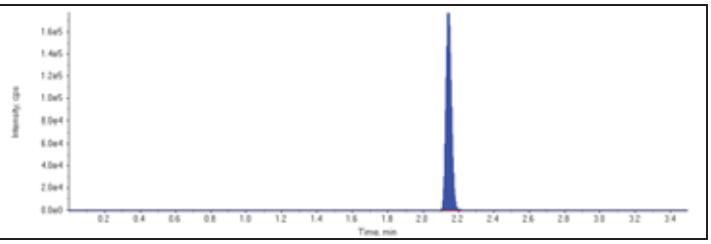
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



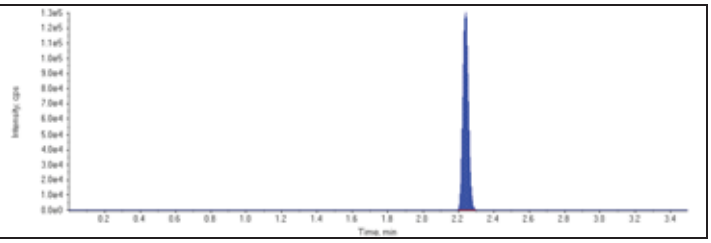
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



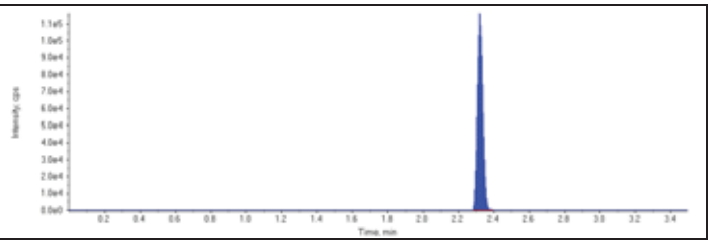
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



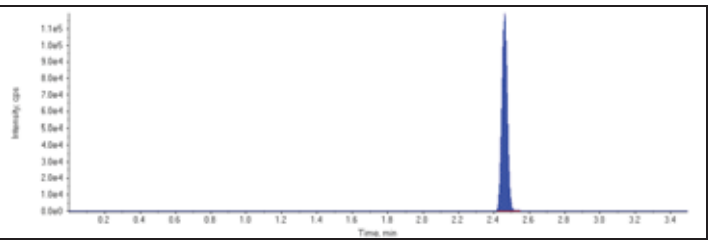
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



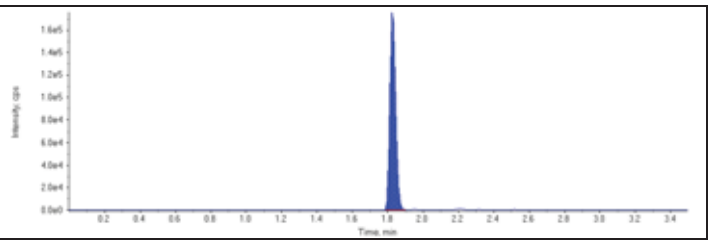
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



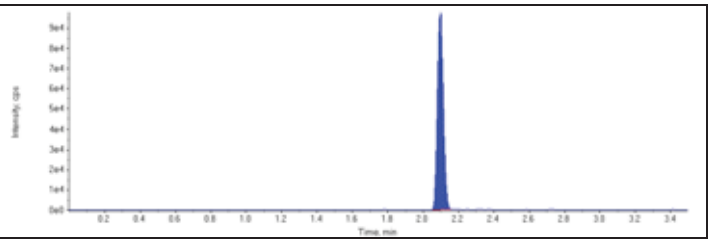
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



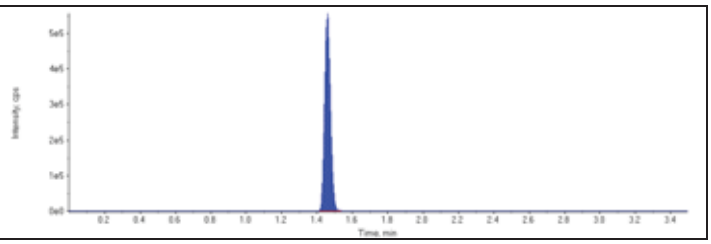
M2 8:2 FTS (Internal Standard)

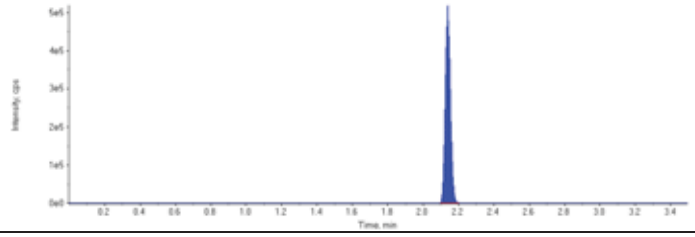
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

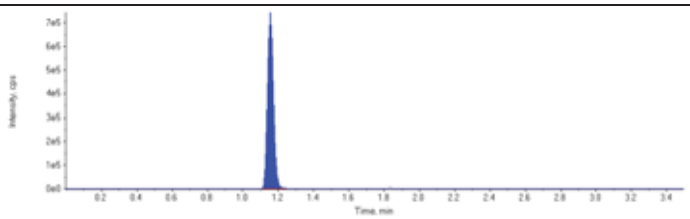
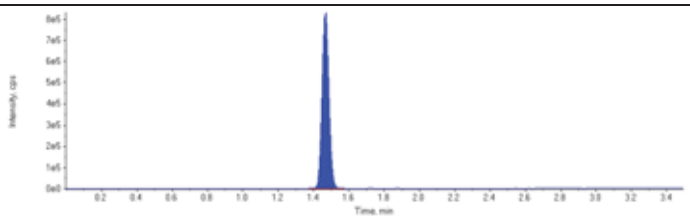
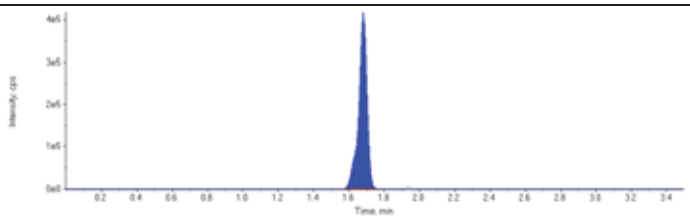
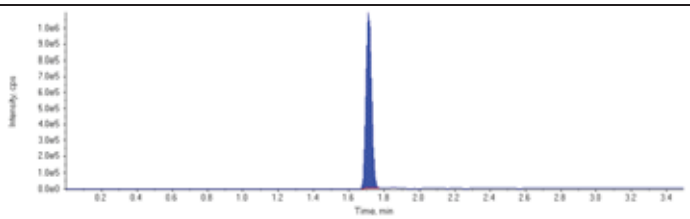
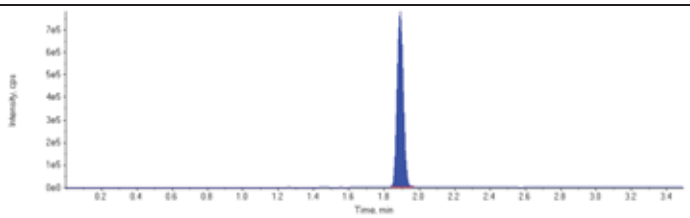
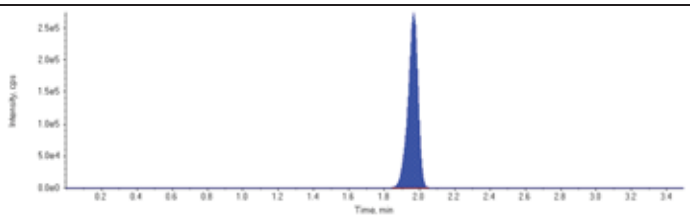


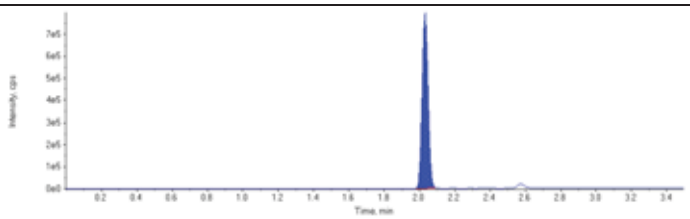
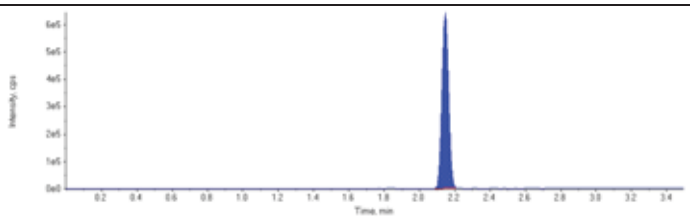
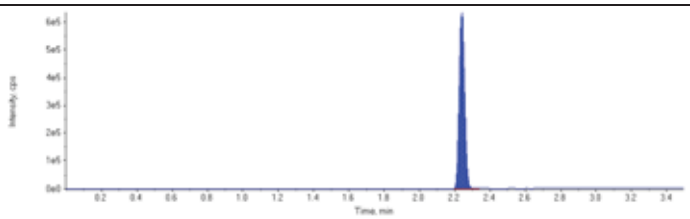
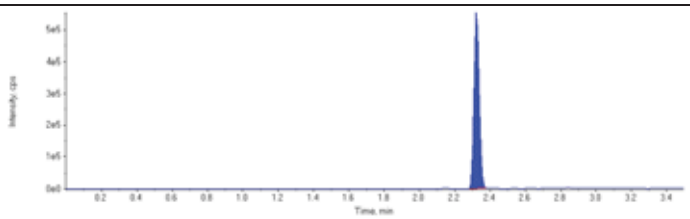
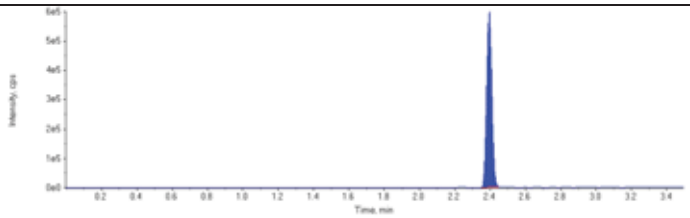
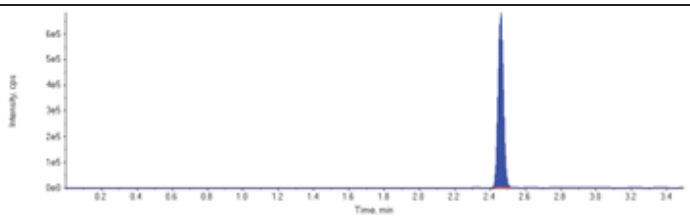
13C6-PFHxA IS (Internal Standard)

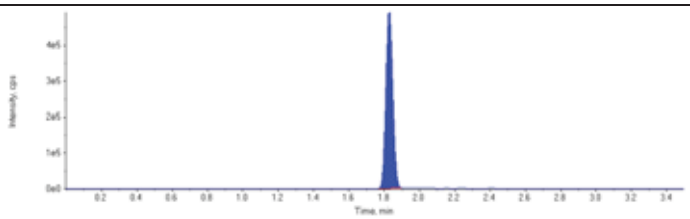
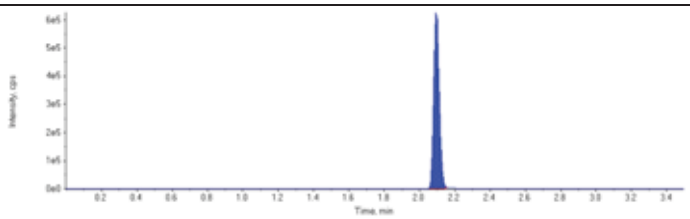
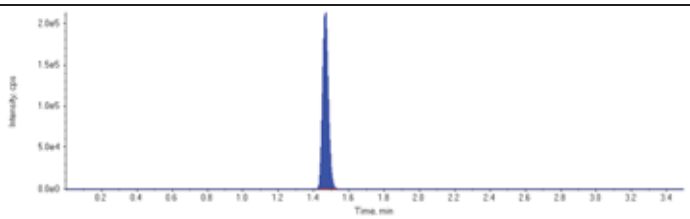
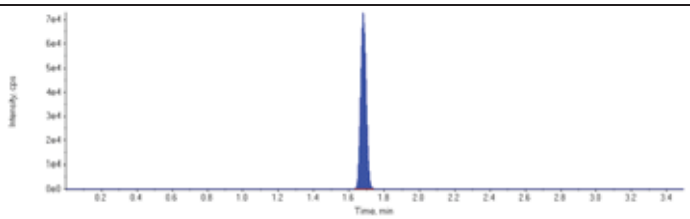
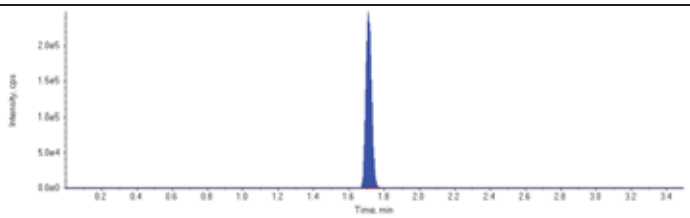
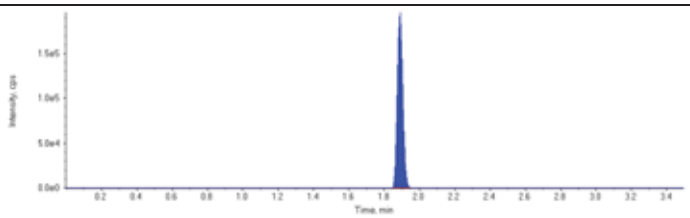
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

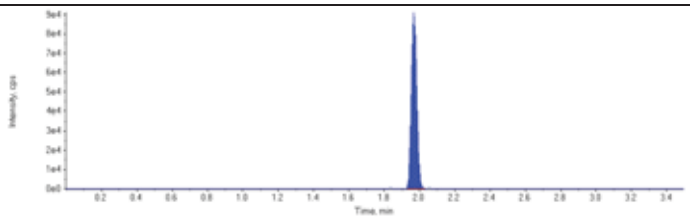
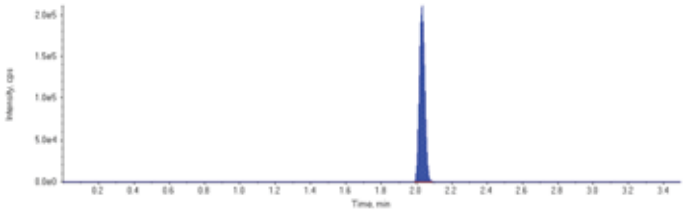
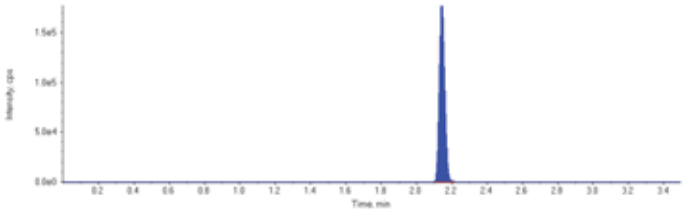
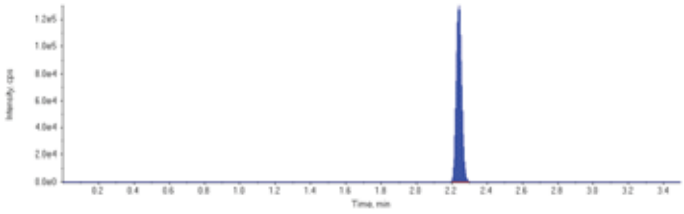
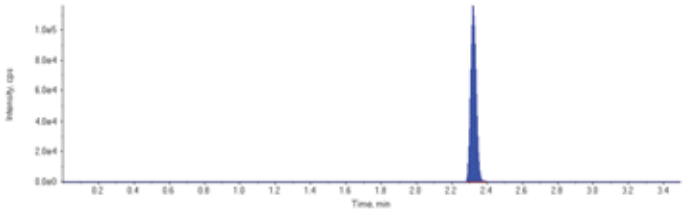
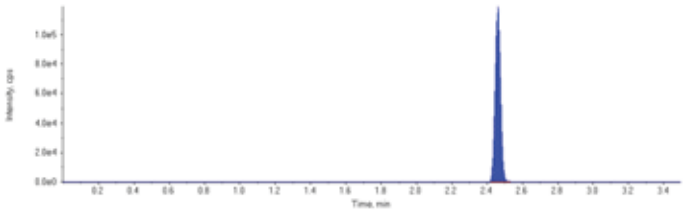


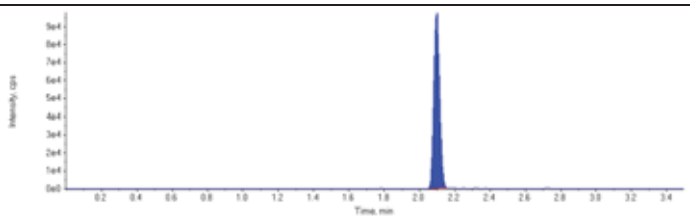
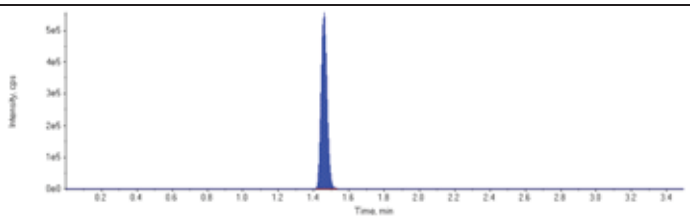
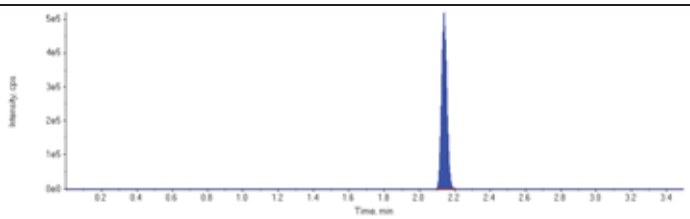
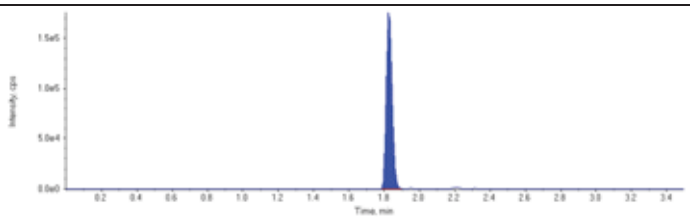
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.16 (1.19) min Calculated Conc: 11.5 µg/L Area Ratio: 10.9 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 11.5 µg/L Area Ratio: 4.67 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 12.2 µg/L Area Ratio: 8.73 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 12.8 µg/L Area Ratio: 4.38 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 12.1 µg/L Area Ratio: 4.41 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 12.4 µg/L Area Ratio: 5.51 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 12.2 µg/L Area Ratio: 4.21 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 11.7 µg/L Area Ratio: 4.24 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 11.7 µg/L Area Ratio: 4.90 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 13.4 µg/L Area Ratio: 4.72 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 13.8 µg/L Area Ratio: 4.89 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 13.4 µg/L Area Ratio: 5.57 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 12.6 µg/L Area Ratio: 3.37 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 13.9 µg/L Area Ratio: 6.11 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 109. µg/L Area Ratio: 0.383 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 111. µg/L Area Ratio: 0.124 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 112. µg/L Area Ratio: 0.429 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 109. µg/L Area Ratio: 0.328 Sample Type: (Standard)	

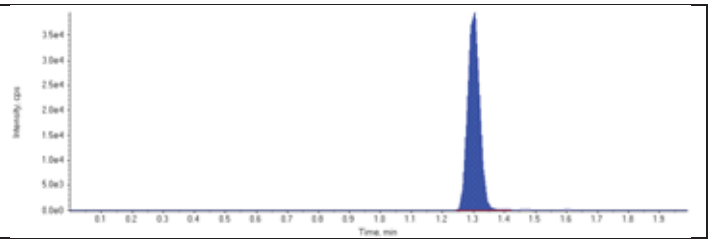
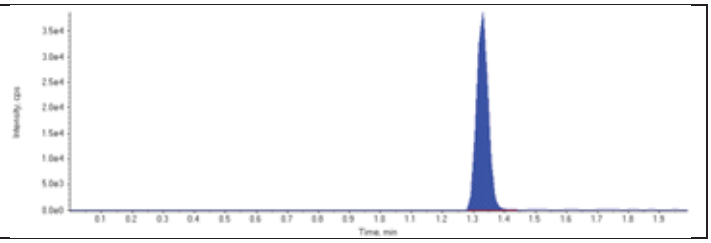
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 107. µg/L Area Ratio: 0.151 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 112. µg/L Area Ratio: 0.347 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 116. µg/L Area Ratio: 0.375 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 113. µg/L Area Ratio: 0.265 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 109. µg/L Area Ratio: 0.235 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 107. µg/L Area Ratio: 0.240 Sample Type: (Standard)	

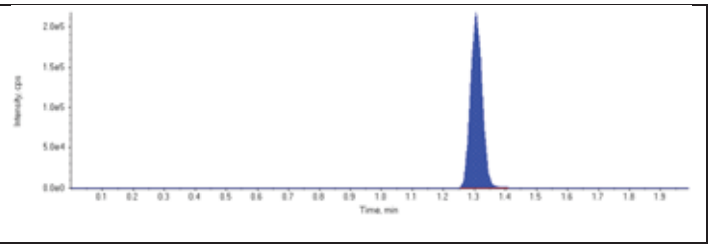
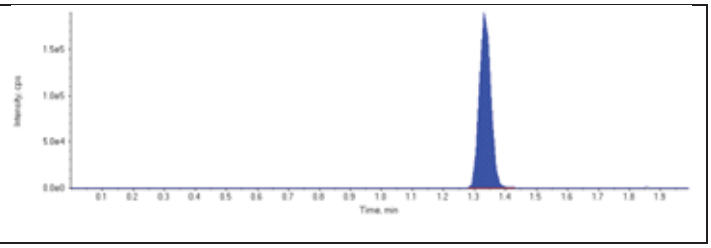
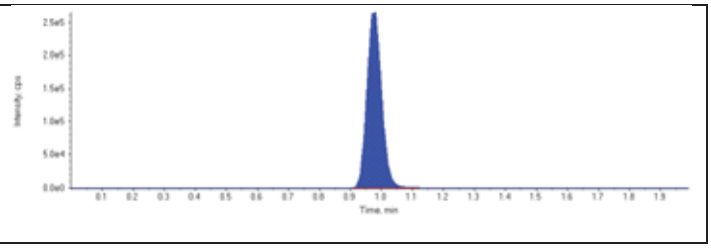
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 90.5 µg/L Area Ratio: 0.181 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 94.4 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 87.8 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 109. µg/L Area Ratio: 0.322 Sample Type: (Standard)	

Sample ID	Std 4	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	37
Acquisition Date	2017/03/03 5:49:15 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	104000.	1.30	1.00	-
D5-EtFOSAA IS	98100.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	550000	1.31	12.5	12.6	100.0
EtFOSAA 1	479000	1.33	12.5	12.0	96.2
13C9-PFDA	887000	0.976	100.	95.4	95.4

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Standard)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 12.6 µg/L Area Ratio: 5.27 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 12.0 µg/L Area Ratio: 4.88 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.976 (0.855) min Calculated Conc: 95.4 µg/L Area Ratio: 0.00 Sample Type: (Standard)	

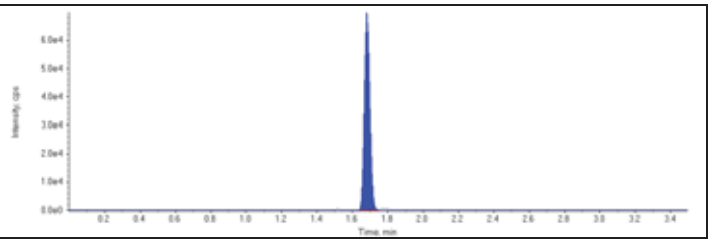
Sample ID	Std 5	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	7
Acquisition Date	2017/03/08 8:24:00 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	150000.	1.68	1.00	-
MPFHxA	499000.	1.47	1.00	-
MPFHpA	512000.	1.71	1.00	-
MPFOA	436000.	1.89	1.00	-
MPFOS	181000.	1.97	1.00	-
MPFNA	376000.	2.03	1.00	-
MPFDA	431000.	2.14	1.00	-
MPFUnA	259000.	2.24	1.00	-
MPFDoA	285000.	2.32	1.00	-
MPFTeDA	311000.	2.46	1.00	-
M2 6:2 FTS	419000.	1.83	1.00	-
M2 8:2 FTS	285000.	2.10	1.00	-
13C6-PFHxA IS	1320000.	1.46	1.00	-
13C9-PFDA IS	1250000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	3510000	1.16	25.0	24.5	98.2
PFHxA 1	4880000	1.47	25.0	24.1	96.2
PFHxS 1	2650000	1.68	25.0	24.6	98.5
PFHpA 1	4390000	1.71	25.0	25.3	101.0
PFOA 1	3660000	1.89	25.0	23.1	92.5
PFOS 1	1980000	1.97	25.0	24.5	98.2
PFNA 1	3250000	2.03	25.0	25.1	100.0
PFDA 1	3700000	2.14	25.0	23.6	94.4
PFUnA 1	2850000	2.24	25.0	26.1	105.0
PFDoA 1	2390000	2.32	25.0	23.8	95.3
PFTrDA 1	2530000	2.39	25.0	23.1	92.5
PFTeDA 1	2790000	2.46	25.0	21.6	86.5
6:2-FTS 1	2710000	1.83	25.0	24.3	97.0
8:2-FTS 1	2990000	2.10	25.0	24.1	96.2
13C2-PFHxA	499000	1.47	100.	108.	108.0
18O2-PFHxS	150000	1.68	100.	102.	102.0
13C4-PFHpA	512000	1.71	100.	102.	102.0
13C4-PFOA	436000	1.89	100.	110.	110.0
13C4-PFOS	181000	1.97	100.	98.0	98.0
13C5-PFNA	376000	2.03	100.	92.5	92.5
13C2-PFDA	431000	2.14	100.	107.	107.0
13C2-PFUnA	259000	2.24	100.	88.9	88.9
13C2-PFDoA	285000	2.32	100.	106.	106.0
13C2-PFTeDA	311000	2.46	100.	112.	112.0
13C2-8:2 FTS	285000	2.10	100.	109.	109.0
13C6-PFHxA	1320000	1.46	100.	98.4	98.4
13C9-PFDA	1250000	2.14	100.	105.	105.0
13C2-6:2-FTS	419000	1.83	100.	108.	108.0

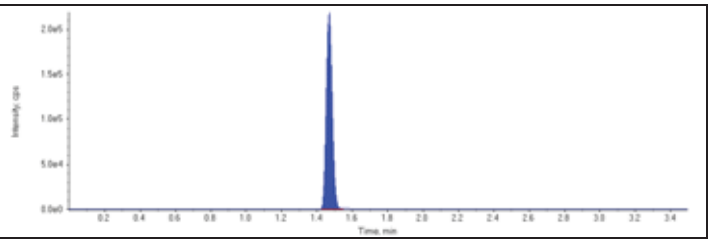
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



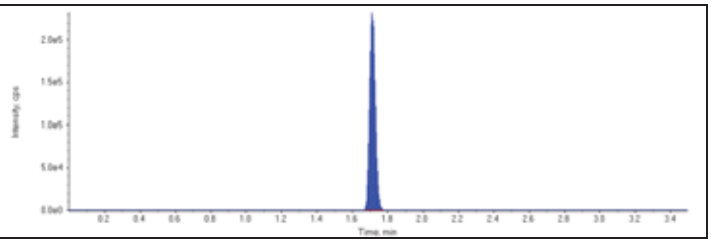
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



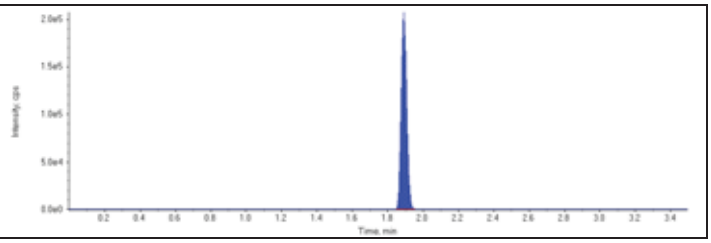
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



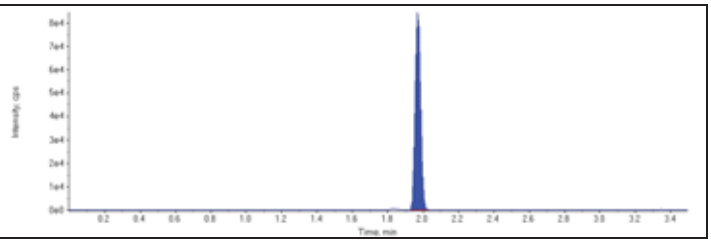
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



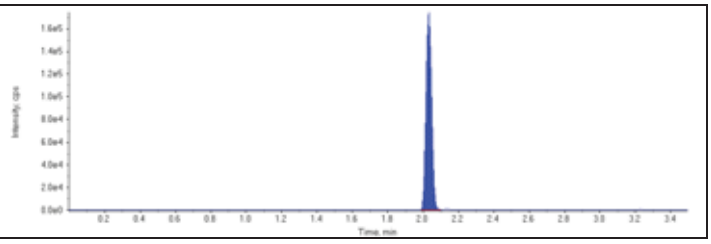
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



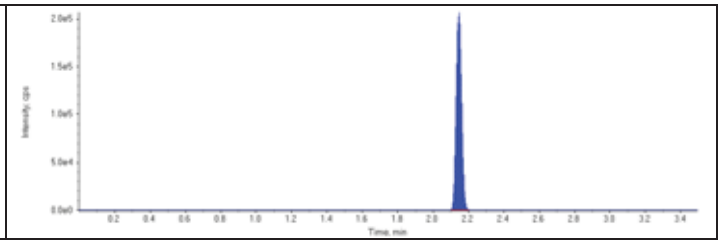
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



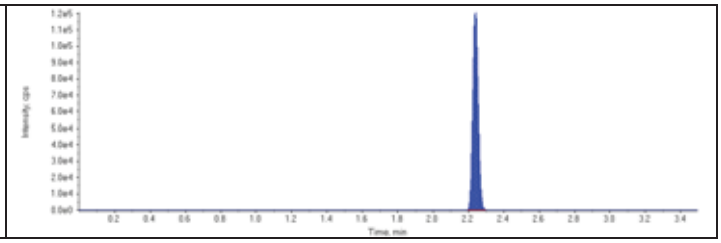
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



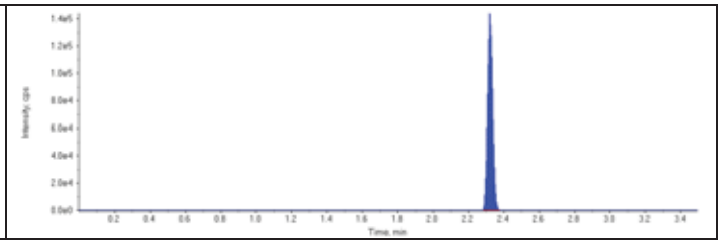
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



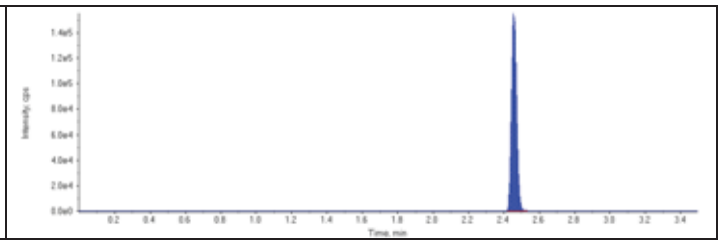
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



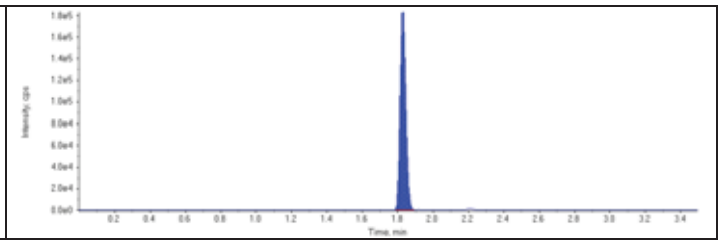
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



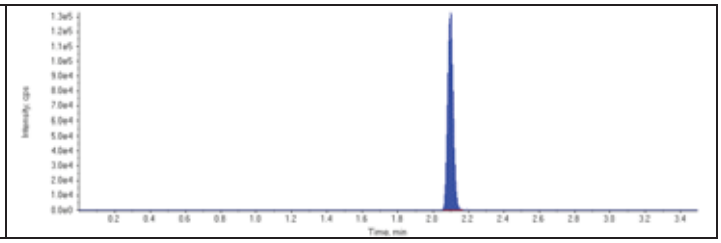
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



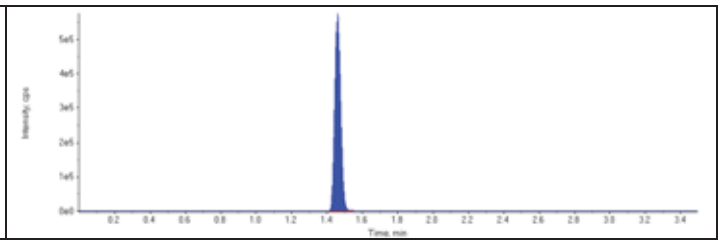
M2 8:2 FTS (Internal Standard)

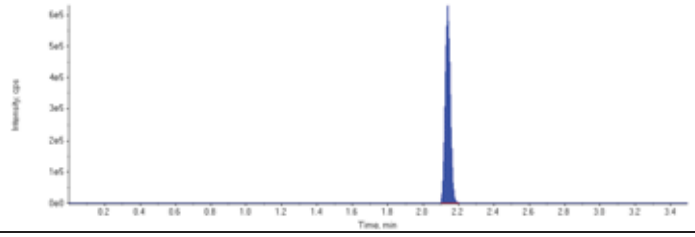
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

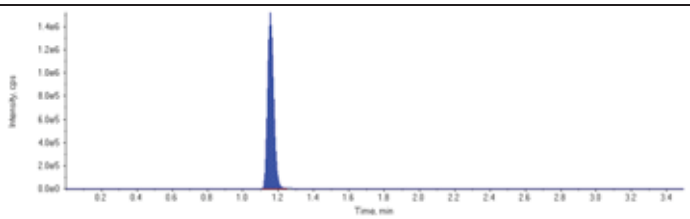
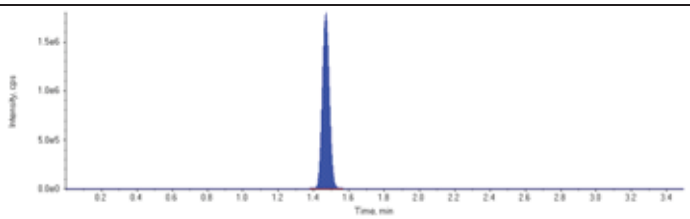
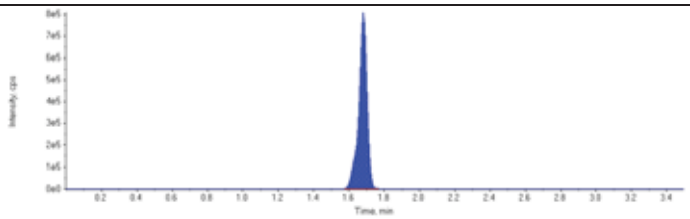
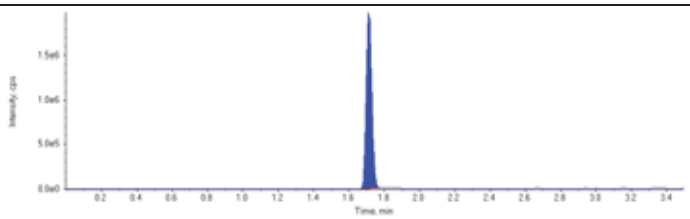
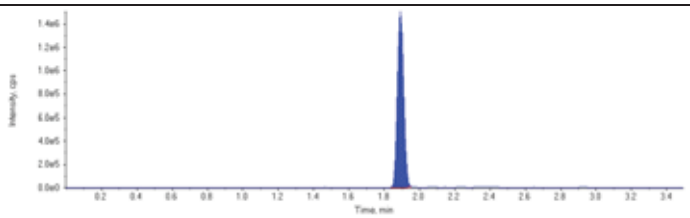
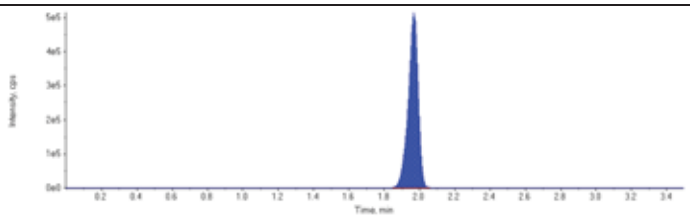


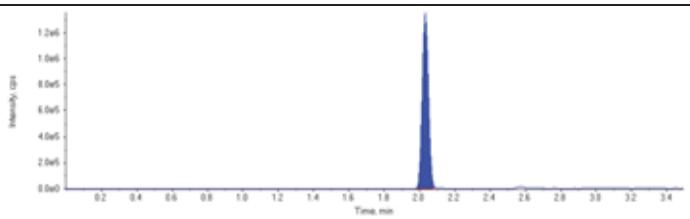
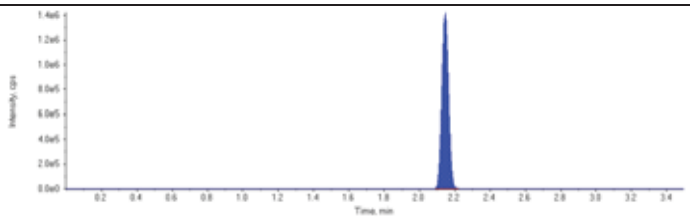
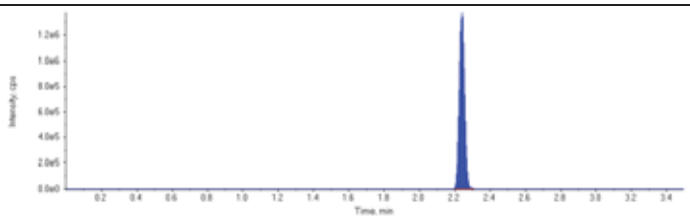
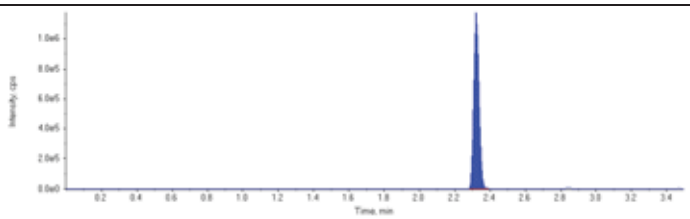
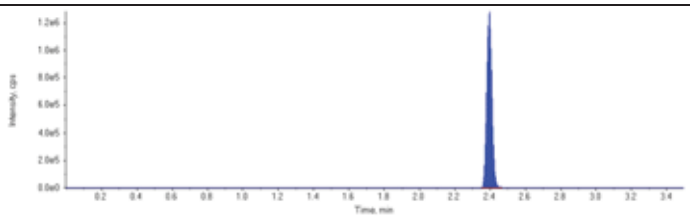
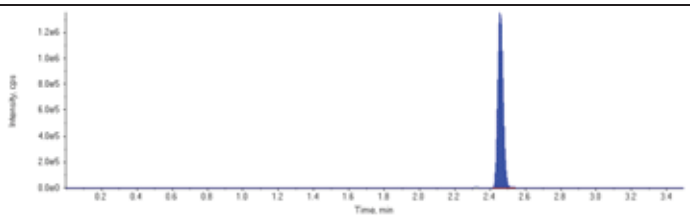
13C6-PFHxA IS (Internal Standard)

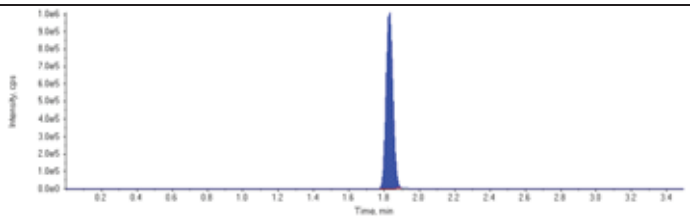
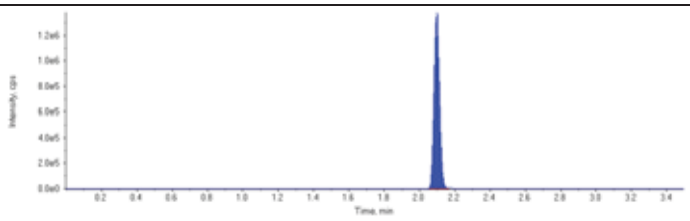
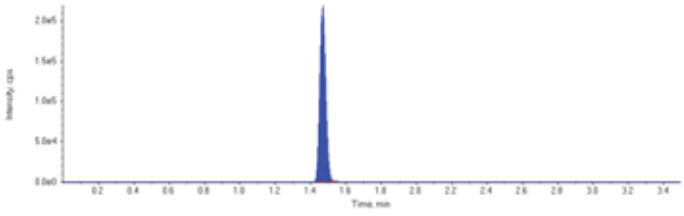
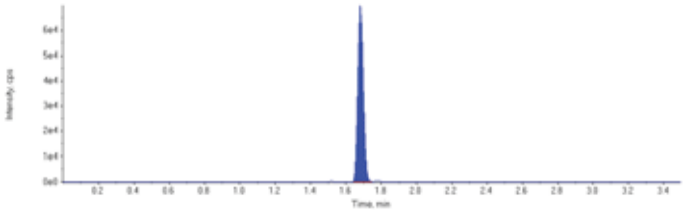
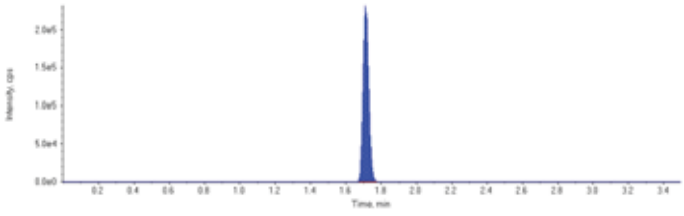
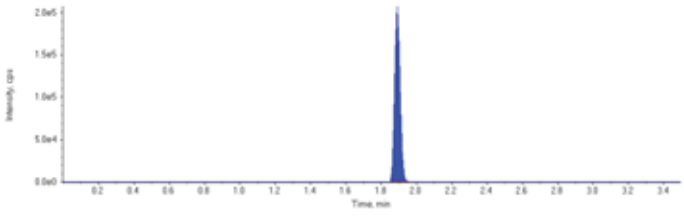
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

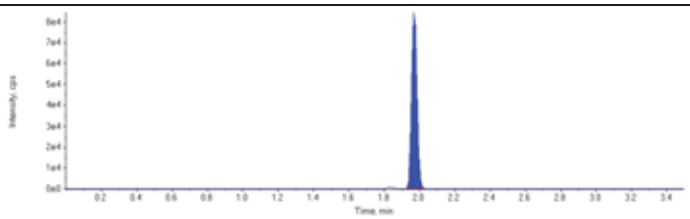
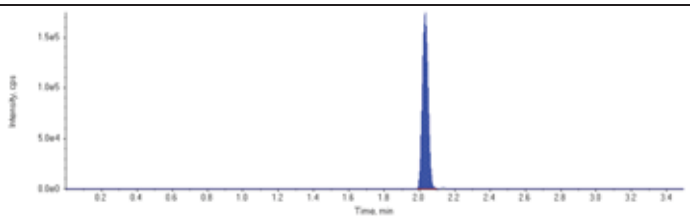
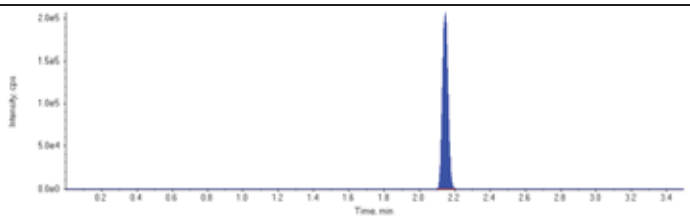
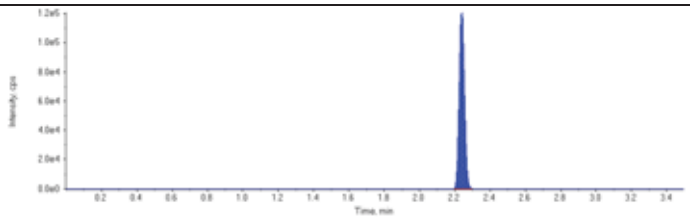
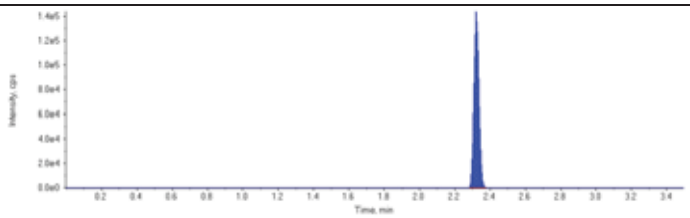
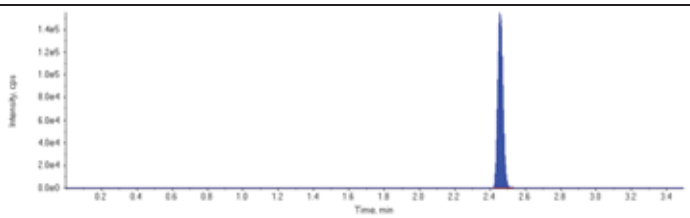


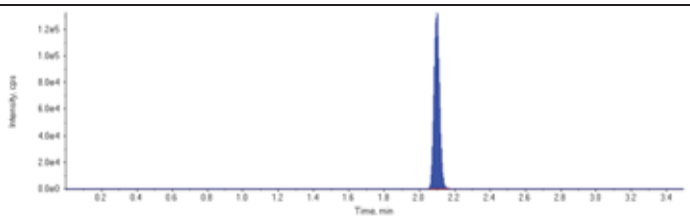
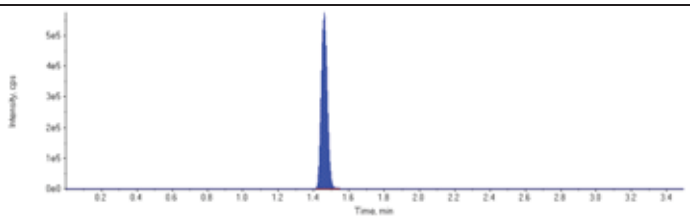
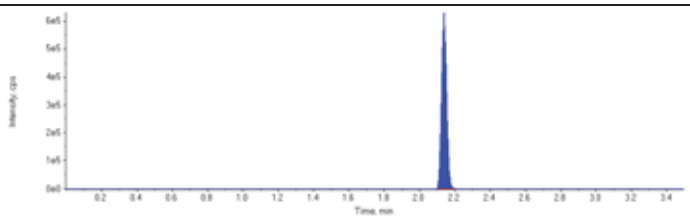
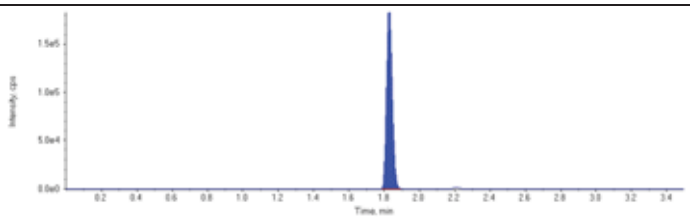
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.16 (1.19) min Calculated Conc: 24.5 µg/L Area Ratio: 23.4 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 24.1 µg/L Area Ratio: 9.78 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 24.6 µg/L Area Ratio: 17.6 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 25.3 µg/L Area Ratio: 8.56 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 23.1 µg/L Area Ratio: 8.40 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 24.5 µg/L Area Ratio: 10.9 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 25.1 µg/L Area Ratio: 8.63 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 23.6 µg/L Area Ratio: 8.58 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 26.1 µg/L Area Ratio: 11.0 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 23.8 µg/L Area Ratio: 8.37 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 23.1 µg/L Area Ratio: 8.15 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 21.6 µg/L Area Ratio: 8.98 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 24.3 µg/L Area Ratio: 6.46 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 24.1 µg/L Area Ratio: 10.5 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 108. µg/L Area Ratio: 0.379 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 102. µg/L Area Ratio: 0.114 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 102. µg/L Area Ratio: 0.389 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 110. µg/L Area Ratio: 0.331 Sample Type: (Standard)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 98.0 µg/L Area Ratio: 0.137 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 92.5 µg/L Area Ratio: 0.286 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 107. µg/L Area Ratio: 0.346 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 88.9 µg/L Area Ratio: 0.208 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 106. µg/L Area Ratio: 0.229 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 112. µg/L Area Ratio: 0.250 Sample Type: (Standard)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 109. µg/L Area Ratio: 0.217 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 98.4 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 105. µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 108. µg/L Area Ratio: 0.318 Sample Type: (Standard)	

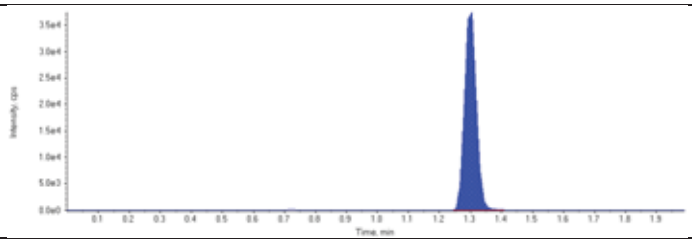
Sample ID	Std 5	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	38
Acquisition Date	2017/03/03 5:51:48 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	99900.	1.30	1.00	-
D5-EtFOSAA IS	89100.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1030000	1.31	25.0	24.7	98.6
EtFOSAA 1	907000	1.33	25.0	25.0	100.0
13C9-PFDA	937000	0.975	100.	101.	101.0

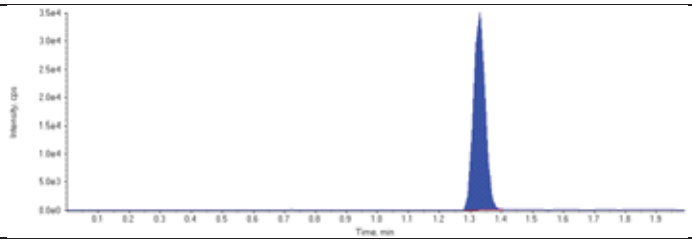
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



D5-EtFOSAA IS (Internal Standard)

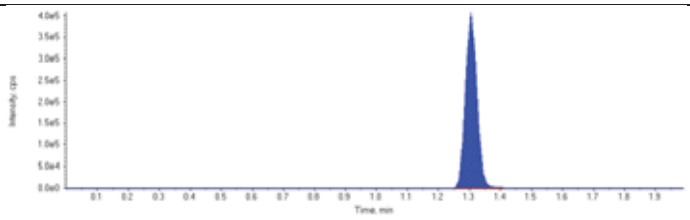
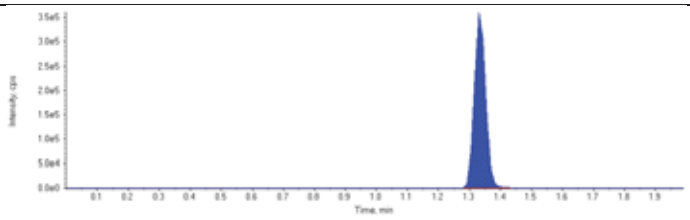
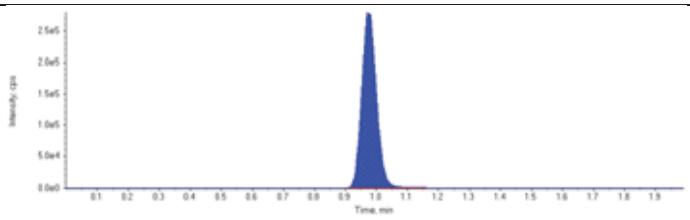
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Standard)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 24.7 µg/L Area Ratio: 10.3 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 25.0 µg/L Area Ratio: 10.2 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.975 (0.855) min Calculated Conc: 101. µg/L Area Ratio: 0.00 Sample Type: (Standard)	

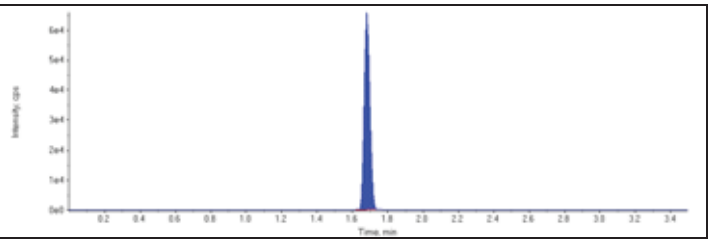
Sample ID	Std 6	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	8
Acquisition Date	2017/03/08 8:29:04 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	146000.	1.68	1.00	-
MPFHxA	439000.	1.47	1.00	-
MPFHpA	516000.	1.71	1.00	-
MPFOA	402000.	1.89	1.00	-
MPFOS	182000.	1.97	1.00	-
MPFNA	397000.	2.03	1.00	-
MPFDA	389000.	2.14	1.00	-
MPFUnA	271000.	2.24	1.00	-
MPFDoA	246000.	2.32	1.00	-
MPFTeDA	257000.	2.46	1.00	-
M2 6:2 FTS	338000.	1.83	1.00	-
M2 8:2 FTS	270000.	2.10	1.00	-
13C6-PFHxA IS	1090000.	1.46	1.00	-
13C9-PFDA IS	1130000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	5960000	1.16	41.7	42.8	103.0
PFHxA 1	7730000	1.47	41.7	43.3	104.0
PFHxS 1	4390000	1.68	41.7	42.1	101.0
PFHpA 1	7050000	1.71	41.7	40.5	97.1
PFOA 1	6310000	1.89	41.7	43.4	104.0
PFOS 1	3430000	1.97	41.7	42.2	101.0
PFNA 1	5710000	2.03	41.7	41.8	100.0
PFDA 1	6000000	2.15	41.7	42.4	102.0
PFUnA 1	4800000	2.24	41.7	41.9	100.0
PFDoA 1	3610000	2.32	41.7	41.9	100.0
PFTrDA 1	3770000	2.39	41.7	41.9	100.0
PFTeDA 1	4440000	2.46	41.7	41.6	99.8
6:2-FTS 1	3800000	1.83	41.7	42.3	101.0
8:2-FTS 1	4770000	2.10	41.7	40.8	97.7
13C2-PFHxA	439000	1.47	100.	114.	114.0
18O2-PFHxS	146000	1.68	100.	119.	119.0
13C4-PFHpA	516000	1.71	100.	123.	123.0
13C4-PFOA	402000	1.89	100.	122.	122.0
13C4-PFOS	182000	1.97	100.	119.	119.0
13C5-PFNA	397000	2.03	100.	118.	118.0
13C2-PFDA	389000	2.14	100.	106.	106.0
13C2-PFUnA	271000	2.24	100.	102.	102.0
13C2-PFDoA	246000	2.32	100.	101.	101.0
13C2-PFTeDA	257000	2.46	100.	101.	101.0
13C2-8:2 FTS	270000	2.10	100.	124.	124.0
13C6-PFHxA	1090000	1.46	100.	81.8	81.8
13C9-PFDA	1130000	2.14	100.	95.5	95.5
13C2-6:2-FTS	338000	1.83	100.	105.	105.0

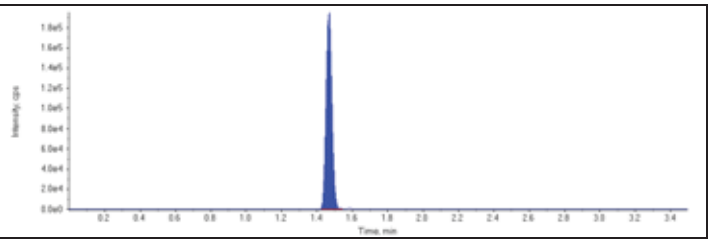
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



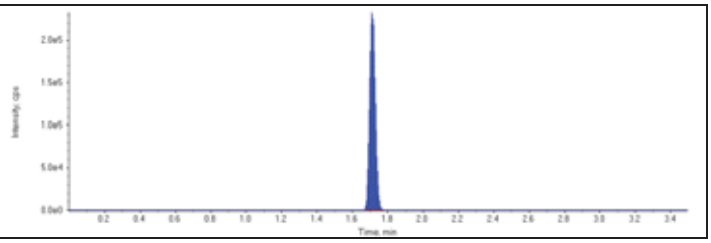
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



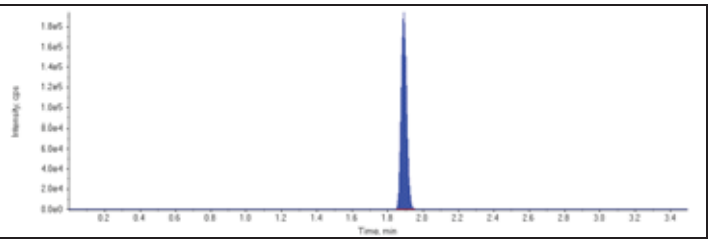
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



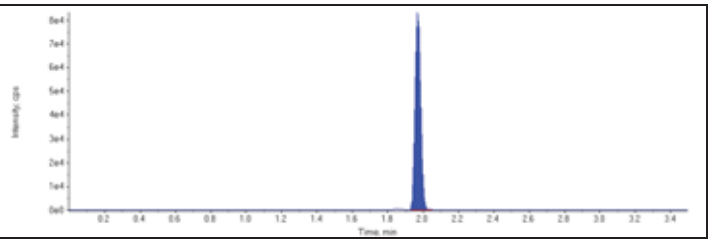
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



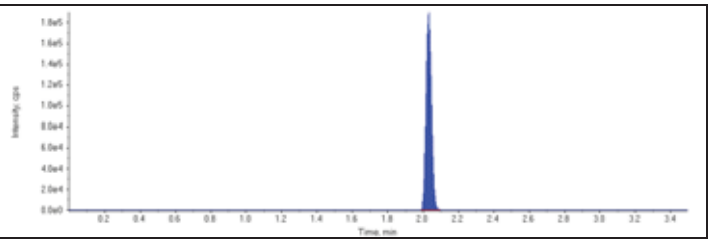
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



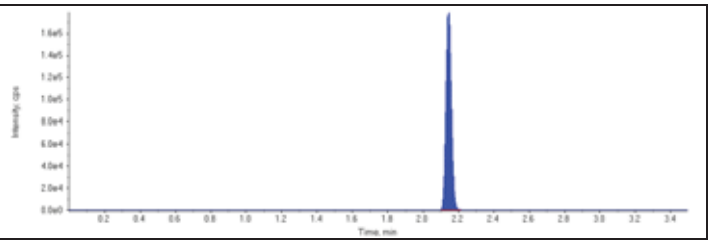
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



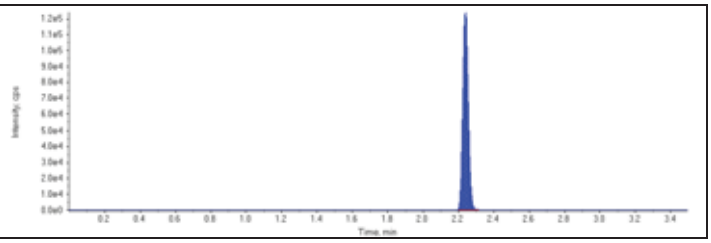
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



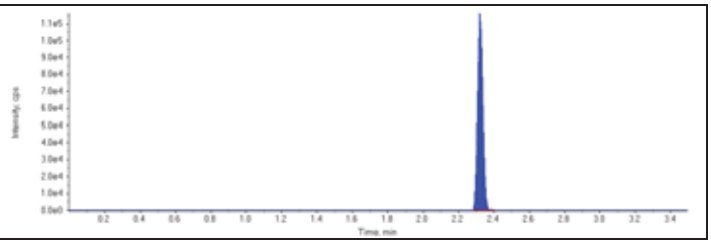
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



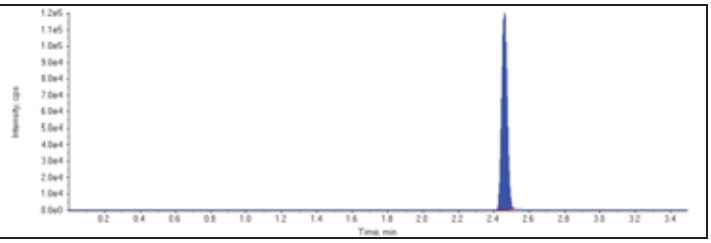
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



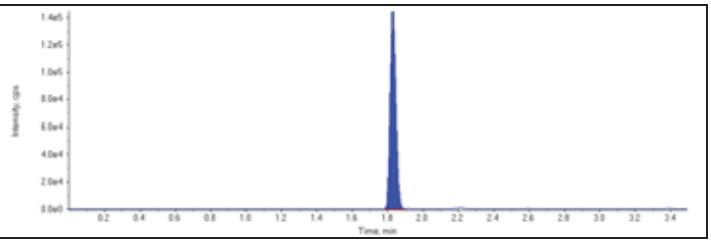
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



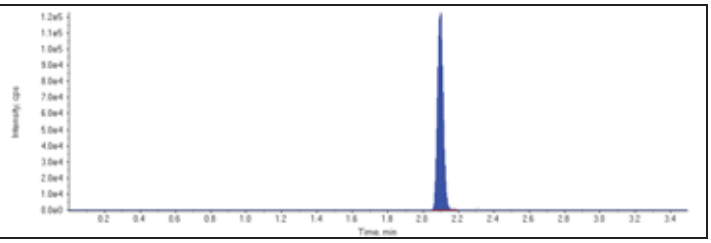
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Standard)



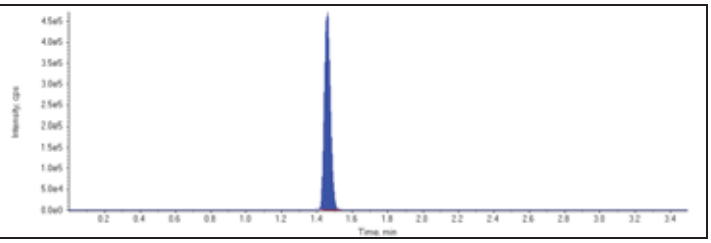
M2 8:2 FTS (Internal Standard)

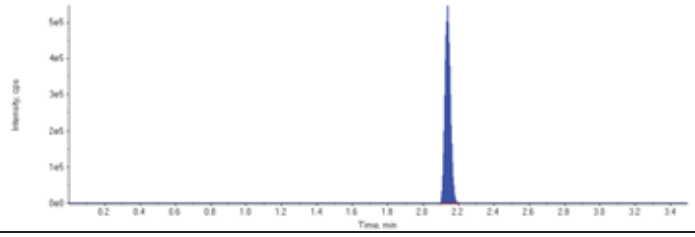
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

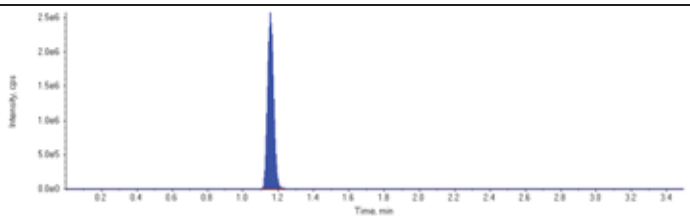
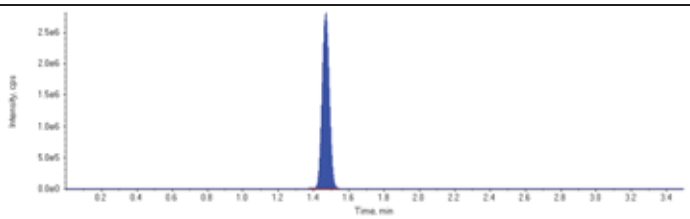
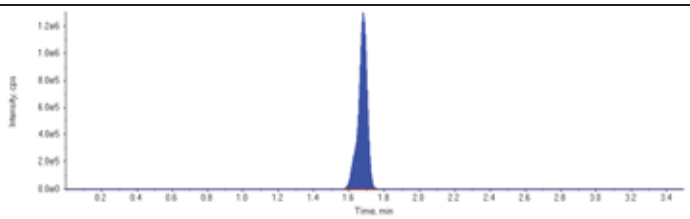
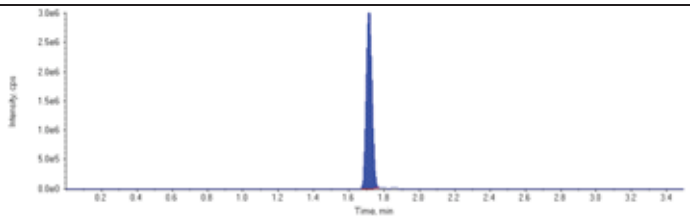
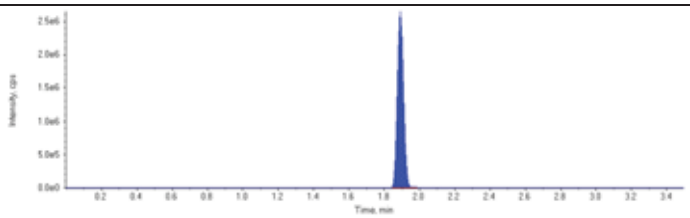
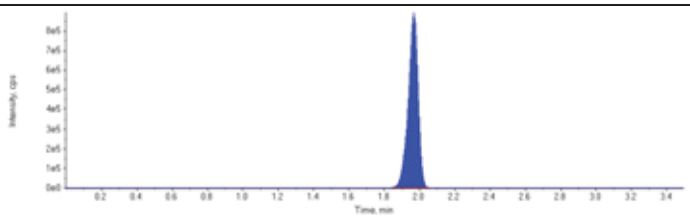


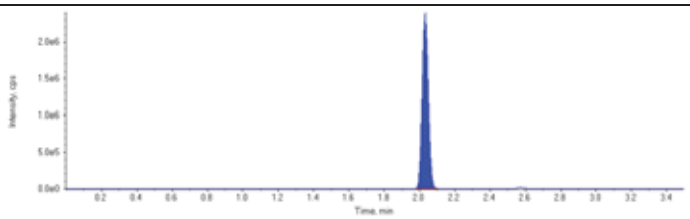
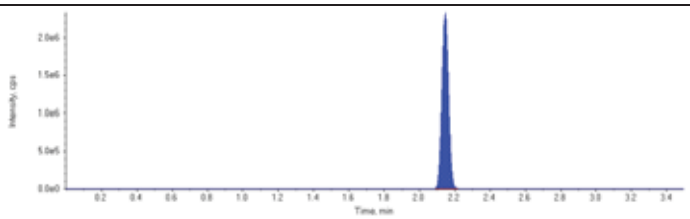
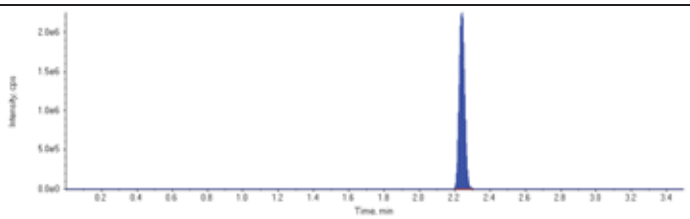
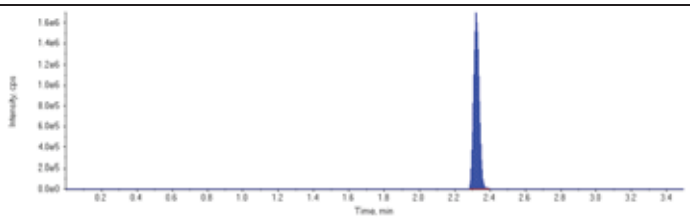
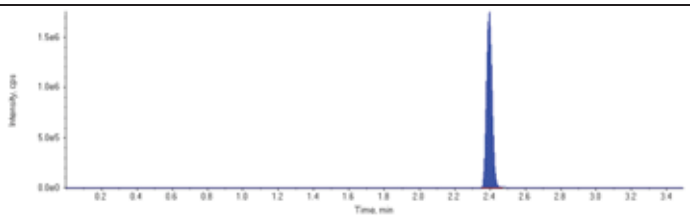
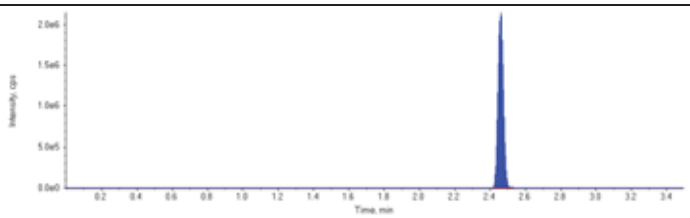
13C6-PFHxA IS (Internal Standard)

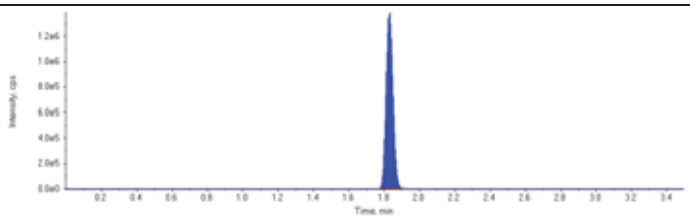
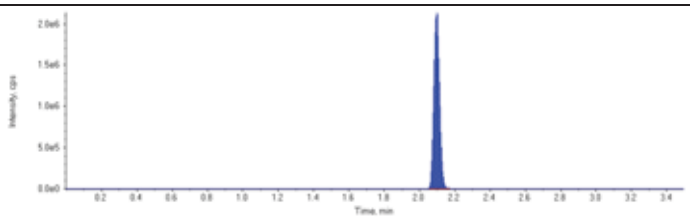
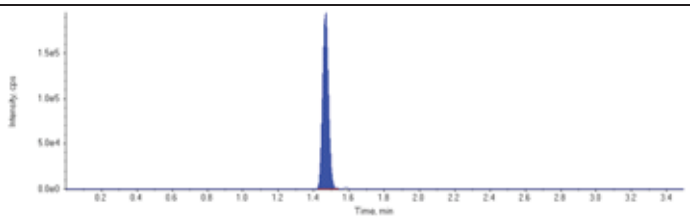
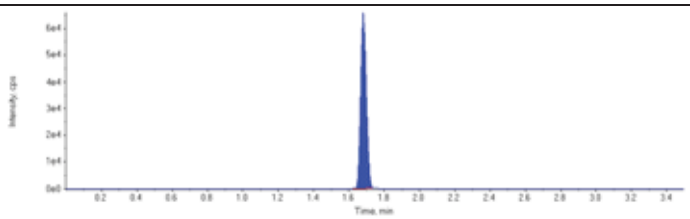
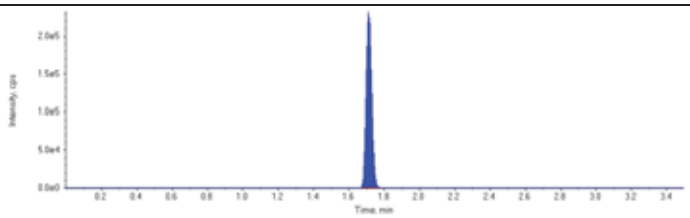
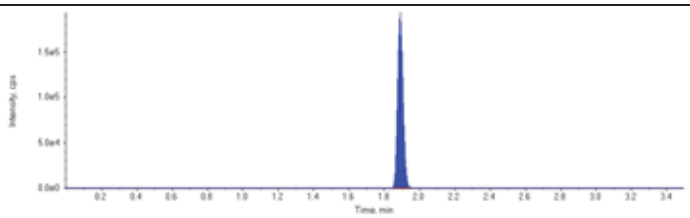
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Standard)

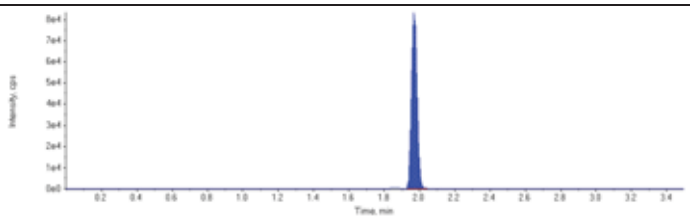
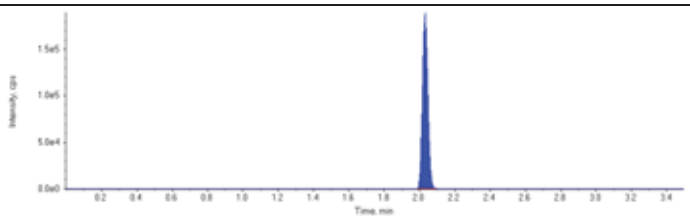
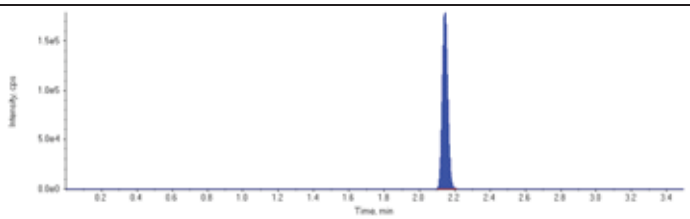
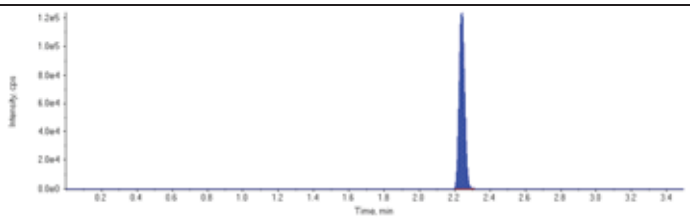
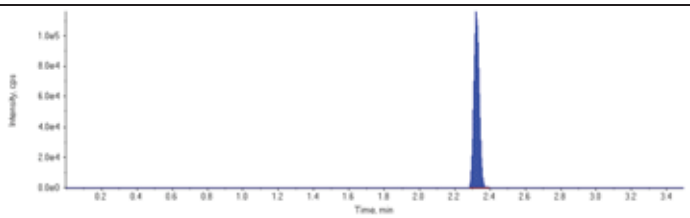
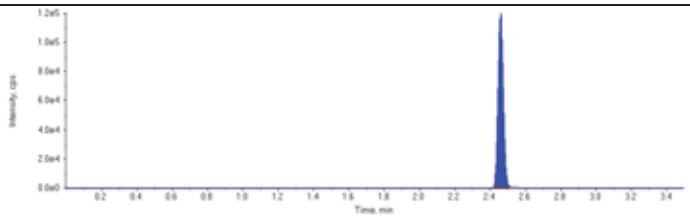


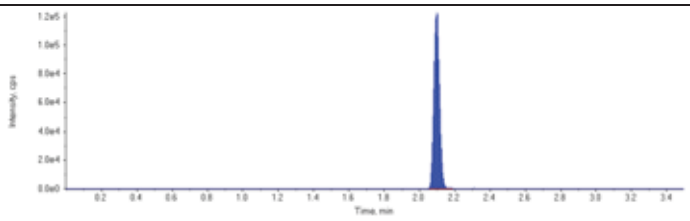
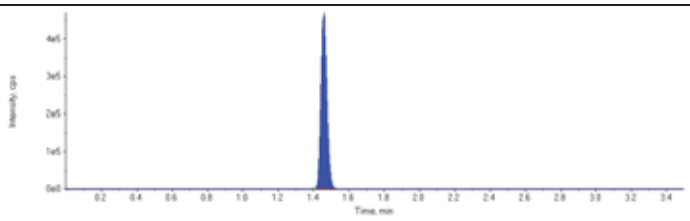
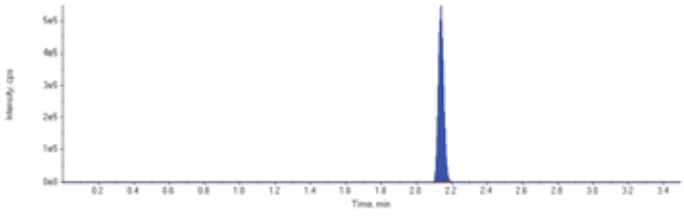
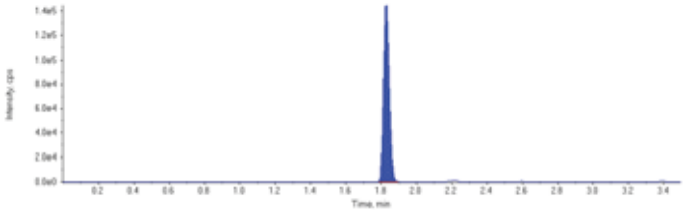
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.16 (1.19) min Calculated Conc: 42.8 µg/L Area Ratio: 40.8 Sample Type: (Standard)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 43.3 µg/L Area Ratio: 17.6 Sample Type: (Standard)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 42.1 µg/L Area Ratio: 30.1 Sample Type: (Standard)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 40.5 µg/L Area Ratio: 13.7 Sample Type: (Standard)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 43.4 µg/L Area Ratio: 15.7 Sample Type: (Standard)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 42.2 µg/L Area Ratio: 18.8 Sample Type: (Standard)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 41.8 µg/L Area Ratio: 14.4 Sample Type: (Standard)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 42.4 µg/L Area Ratio: 15.4 Sample Type: (Standard)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 41.9 µg/L Area Ratio: 17.7 Sample Type: (Standard)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 41.9 µg/L Area Ratio: 14.7 Sample Type: (Standard)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 41.9 µg/L Area Ratio: 14.7 Sample Type: (Standard)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 41.6 µg/L Area Ratio: 17.3 Sample Type: (Standard)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 42.3 µg/L Area Ratio: 11.2 Sample Type: (Standard)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 40.8 µg/L Area Ratio: 17.7 Sample Type: (Standard)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 114. µg/L Area Ratio: 0.401 Sample Type: (Standard)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 119. µg/L Area Ratio: 0.133 Sample Type: (Standard)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 123. µg/L Area Ratio: 0.472 Sample Type: (Standard)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 122. µg/L Area Ratio: 0.367 Sample Type: (Standard)	

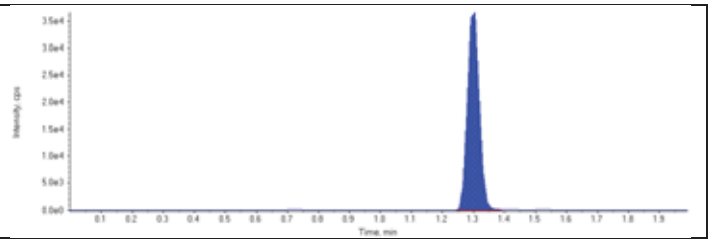
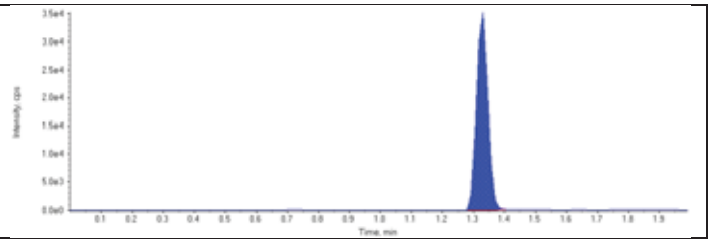
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 119. µg/L Area Ratio: 0.167 Sample Type: (Standard)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 118. µg/L Area Ratio: 0.363 Sample Type: (Standard)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 106. µg/L Area Ratio: 0.343 Sample Type: (Standard)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 102. µg/L Area Ratio: 0.239 Sample Type: (Standard)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 101. µg/L Area Ratio: 0.217 Sample Type: (Standard)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 101. µg/L Area Ratio: 0.226 Sample Type: (Standard)	

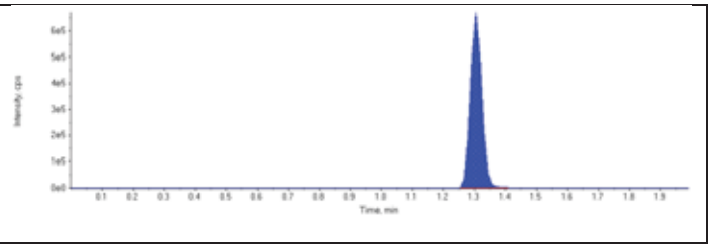
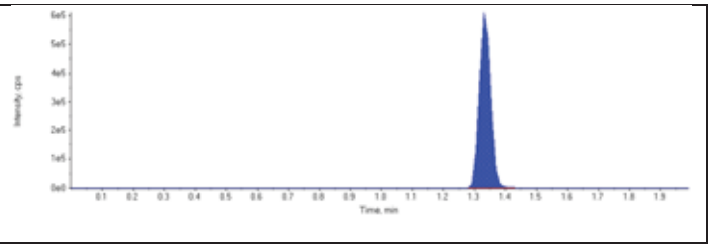
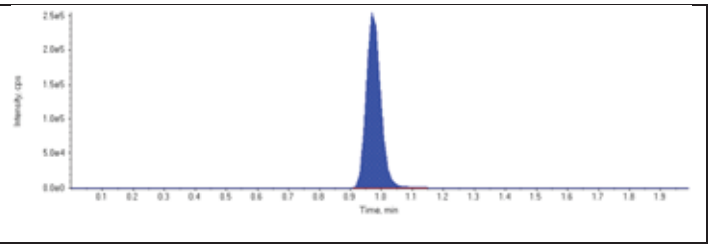
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 124. µg/L Area Ratio: 0.247 Sample Type: (Standard)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 81.8 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 95.5 µg/L Area Ratio: 0.00 Sample Type: (Standard)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 105. µg/L Area Ratio: 0.309 Sample Type: (Standard)	

Sample ID	Std 6	**Injection Volume (µL)**	1
Sample Type	Standard	**Injection Vial**	39
Acquisition Date	2017/03/03 5:54:22 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	97700.	1.30	1.00	-
D5-EtFOSAA IS	89900.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1710000	1.30	41.7	41.8	100.0
EtFOSAA 1	1550000	1.33	41.7	42.2	101.0
13C9-PFDA	814000	0.972	100.	87.6	87.6

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Standard)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Standard)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Standard)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.30 (1.28) min Calculated Conc: 41.8 µg/L Area Ratio: 17.5 Sample Type: (Standard)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 42.2 µg/L Area Ratio: 17.2 Sample Type: (Standard)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.972 (0.855) min Calculated Conc: 87.6 µg/L Area Ratio: 0.00 Sample Type: (Standard)	

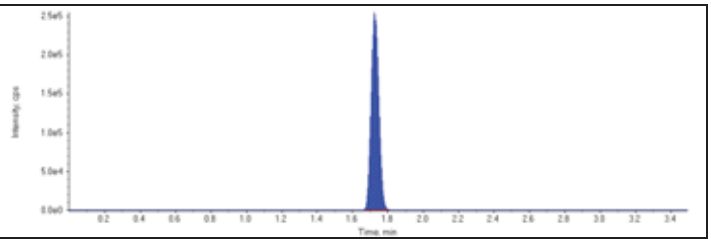
Sample ID	ICV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	9
Acquisition Date	2017/02/27 4:18:29 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	759000.	1.73	1.00	-
MPFHxA	2640000.	1.47	1.00	-
MPFHpA	2480000.	1.72	1.00	-
MPFOA	2440000.	1.89	1.00	-
MPFOS	973000.	2.01	1.00	-
MPFNA	2500000.	2.03	1.00	-
MPFDA	2220000.	2.14	1.00	-
MPFUnA	1940000.	2.24	1.00	-
MPFDoA	1720000.	2.33	1.00	-
MPFTeDA	1320000.	2.46	1.00	-
M2 6:2 FTS	802000.	1.86	1.00	-
M2 8:2 FTS	694000.	2.12	1.00	-
13C6-PFHxA IS	2210000.	1.46	1.00	-
13C9-PFDA IS	5790000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	6800000	1.19	28.0	23.4	83.7
PFHxA 1	8630000	1.47	28.0	25.1	89.8
PFHxS 1	4560000	1.73	28.0	24.5	87.4
PFHpA 1	5390000	1.72	28.0	25.0	89.2
PFOA 1	5060000	1.89	28.0	25.5	91.0
PFOS 1	3550000	2.01	28.0	24.8	88.7
PFNA 1	5340000	2.03	28.0	25.8	92.2
PFDA 1	7240000	2.15	28.0	27.6	98.6
PFUnA 1	6420000	2.24	28.0	24.9	89.0
PFDoA 1	4960000	2.33	28.0	22.2	79.3
PFTrDA 1	4470000	2.40	28.0	25.1	89.8
PFTeDA 1	4160000	2.46	28.0	25.0	89.3
6:2-FTS 1	1310000	1.86	28.0	24.7	88.2
8:2-FTS 1	2480000	2.12	28.0	24.9	88.8
13C2-PFHxA	2640000	1.47	100.	98.6	98.6
18O2-PFHxS	759000	1.73	100.	102.	102.0
13C4-PFHpA	2480000	1.72	100.	97.7	97.7
13C4-PFOA	2440000	1.89	100.	100.	100.0
13C4-PFOS	973000	2.01	100.	97.8	97.8
13C5-PFNA	2500000	2.03	100.	98.5	98.5
13C2-PFDA	2220000	2.14	100.	82.6	82.6
13C2-PFUnA	1940000	2.24	100.	91.9	91.9
13C2-PFDoA	1720000	2.33	100.	89.8	89.8
13C2-PFTeDA	1320000	2.46	100.	87.7	87.7
13C2-8:2 FTS	694000	2.12	100.	93.3	93.3
13C6-PFHxA	2210000	1.46	100.	109.	109.0
13C9-PFDA	5790000	2.14	100.	112.	112.0
13C2-6:2-FTS	802000	1.86	100.	102.	102.0

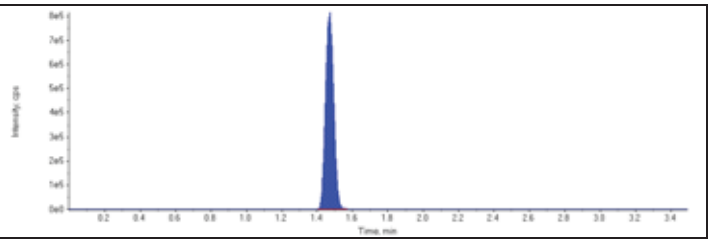
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



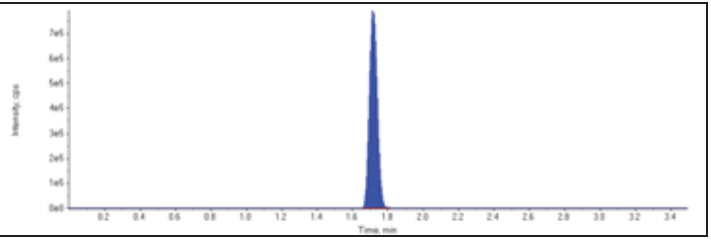
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



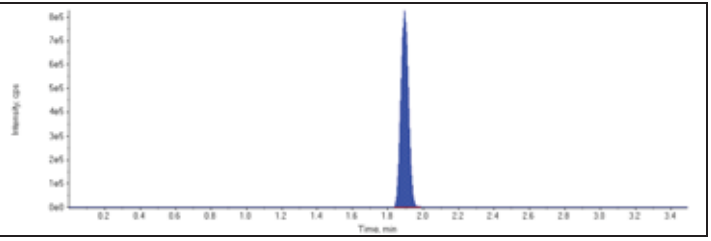
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



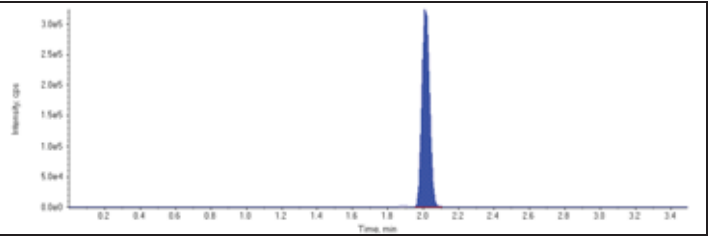
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



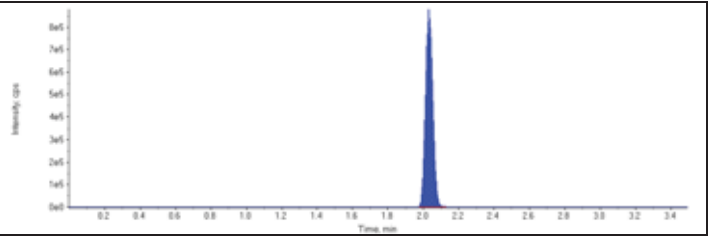
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



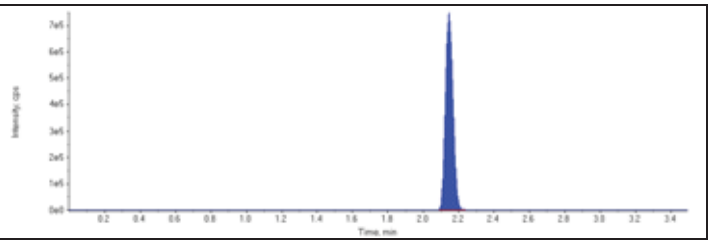
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



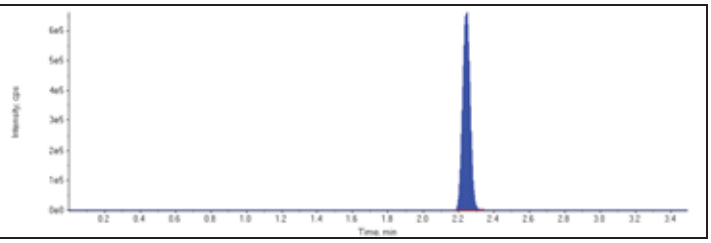
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



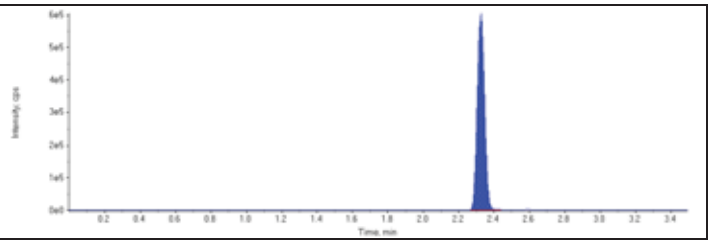
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



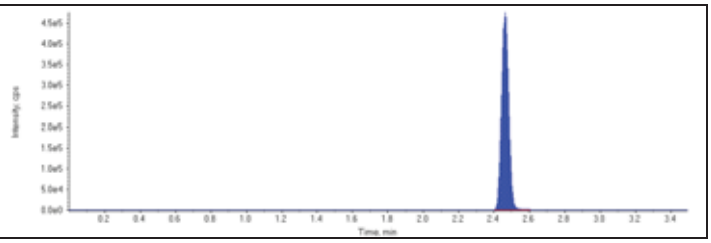
MPFDoA (Internal Standard)

RT (Exp. RT): 2.33(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



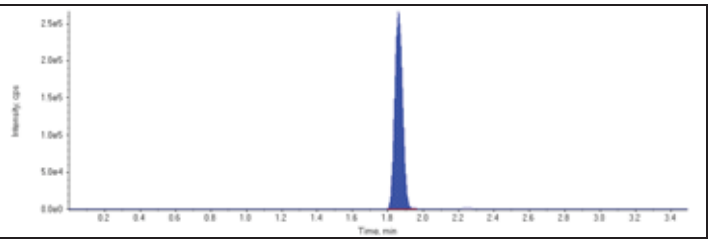
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



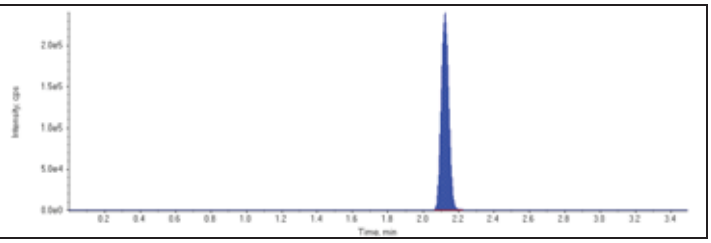
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



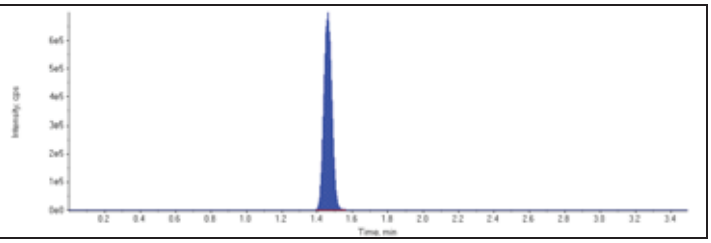
M2 8:2 FTS (Internal Standard)

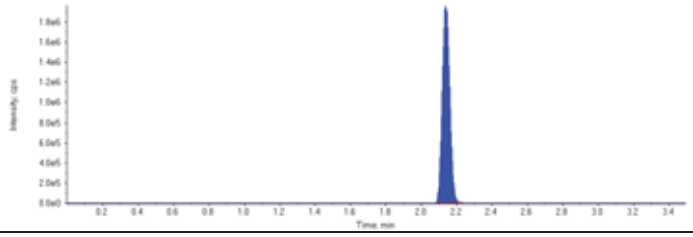
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

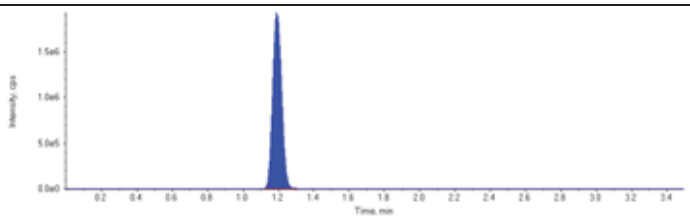
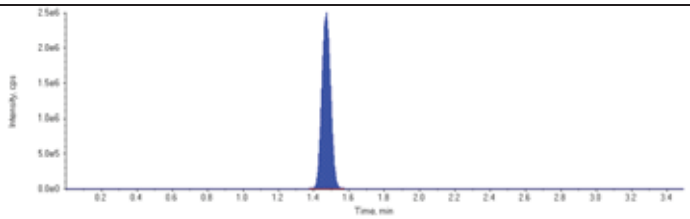
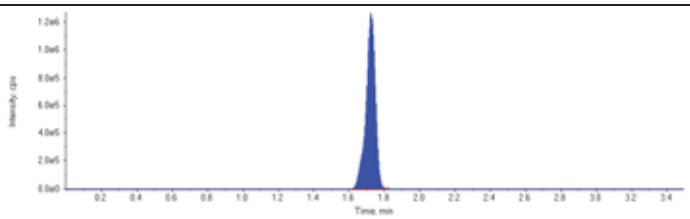
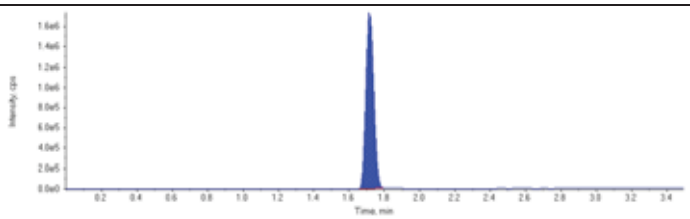
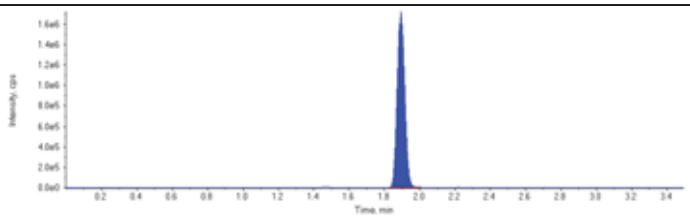
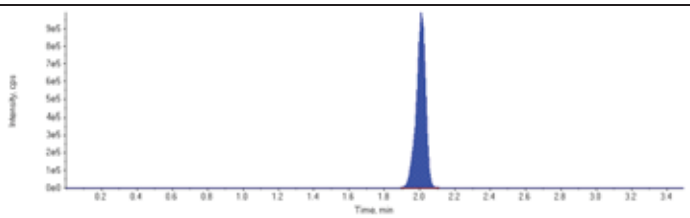


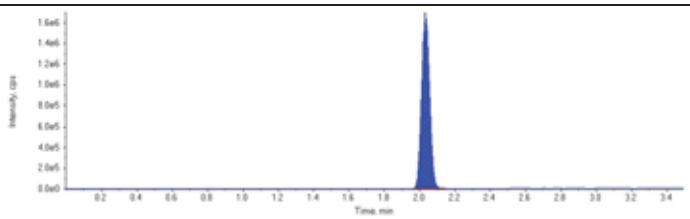
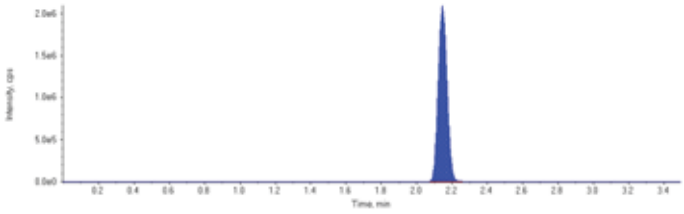
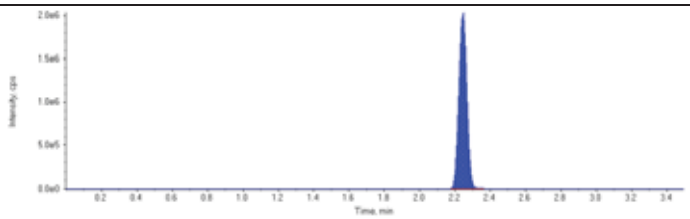
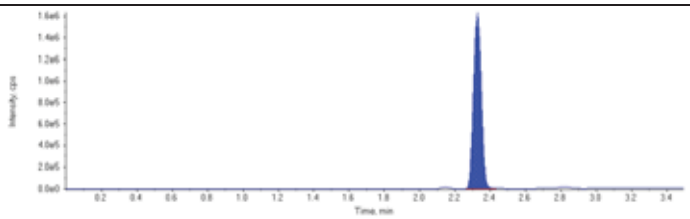
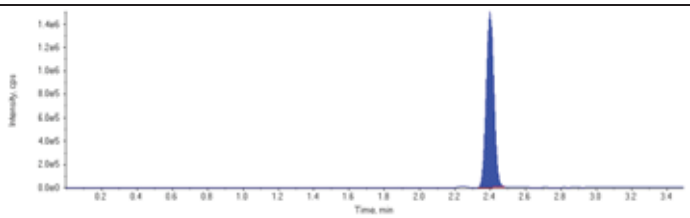
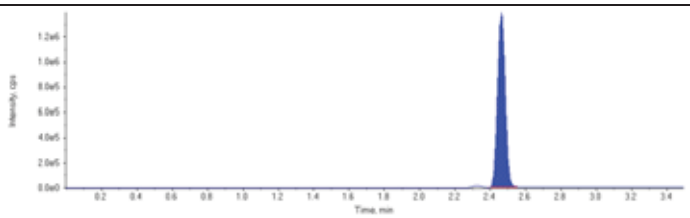
13C6-PFHxA IS (Internal Standard)

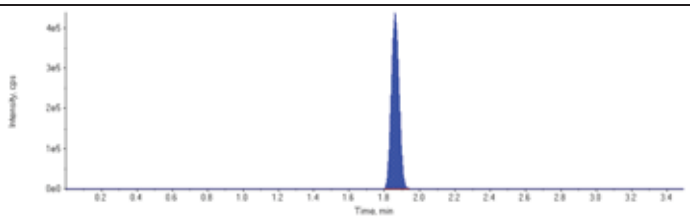
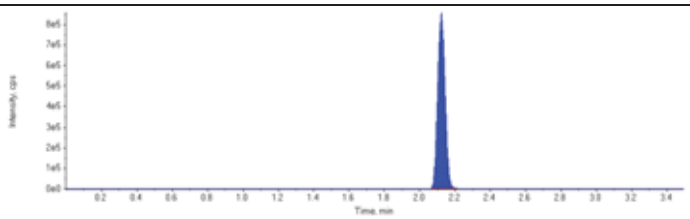
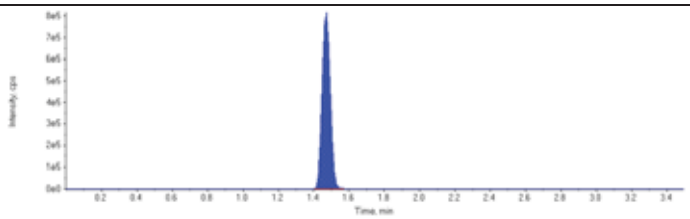
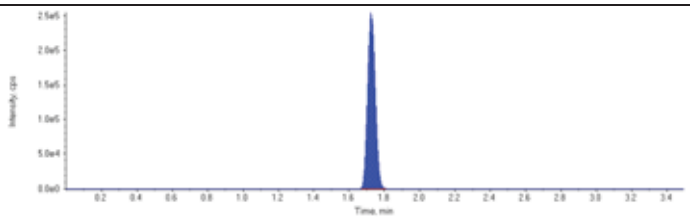
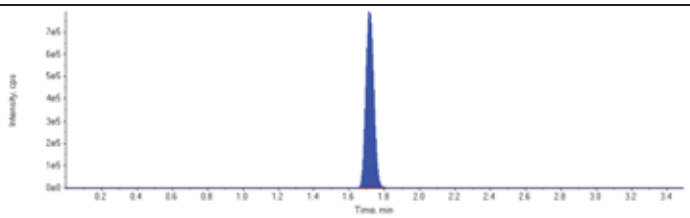
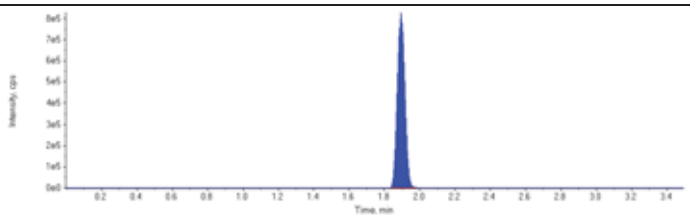
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

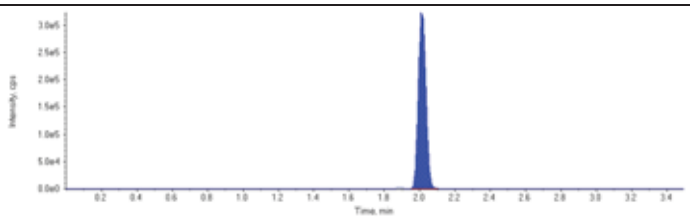
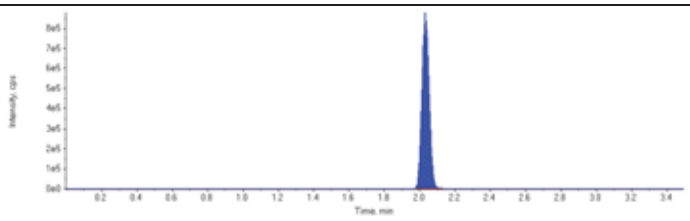
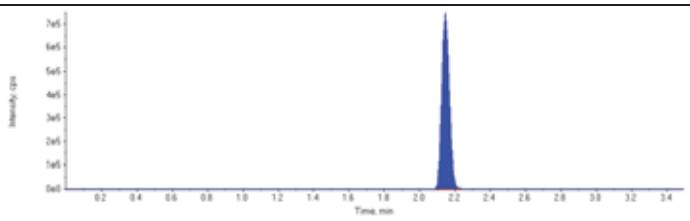
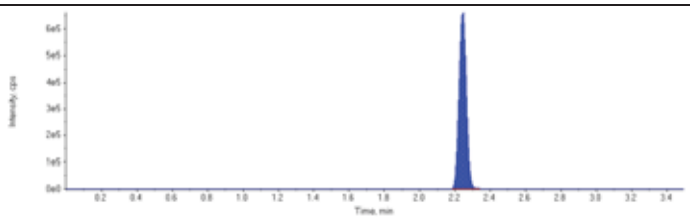
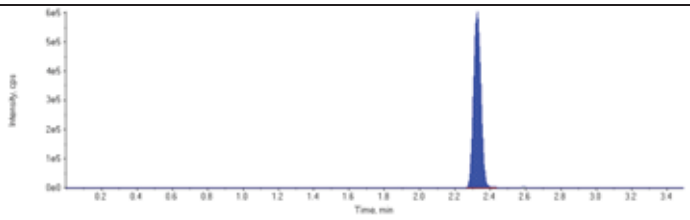
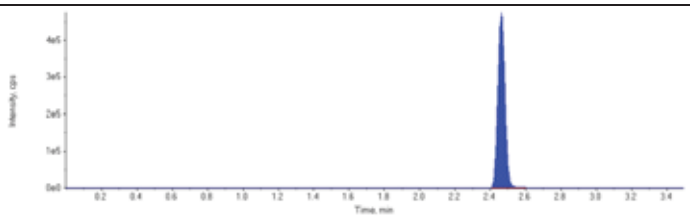


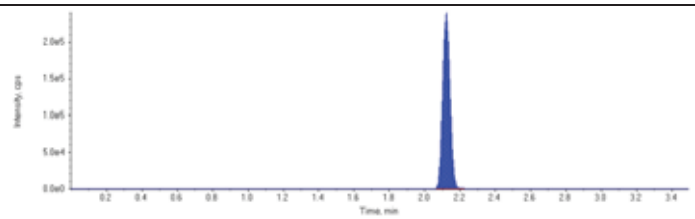
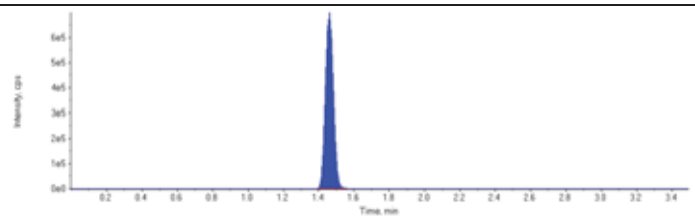
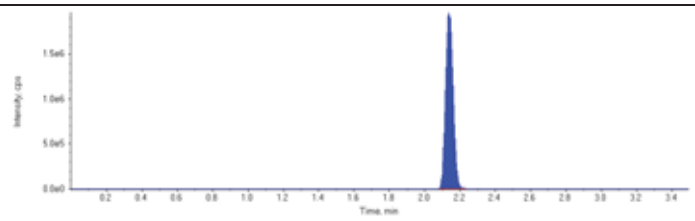
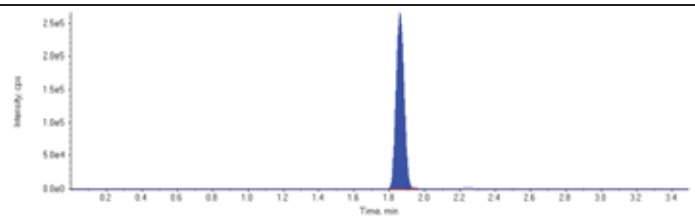
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 23.4 µg/L Area Ratio: 8.96 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 25.1 µg/L Area Ratio: 3.26 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 24.5 µg/L Area Ratio: 6.00 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 25.0 µg/L Area Ratio: 2.17 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 25.5 µg/L Area Ratio: 2.07 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 24.8 µg/L Area Ratio: 3.65 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 25.8 µg/L Area Ratio: 2.13 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 27.6 µg/L Area Ratio: 3.27 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 24.9 µg/L Area Ratio: 3.31 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 22.2 µg/L Area Ratio: 2.89 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 25.1 µg/L Area Ratio: 3.40 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 25.0 µg/L Area Ratio: 3.16 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 24.7 µg/L Area Ratio: 1.64 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 24.9 µg/L Area Ratio: 3.58 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 98.6 µg/L Area Ratio: 1.20 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 102. µg/L Area Ratio: 0.344 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 97.7 µg/L Area Ratio: 1.13 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 100. µg/L Area Ratio: 1.10 Sample Type: (Quality Control)	

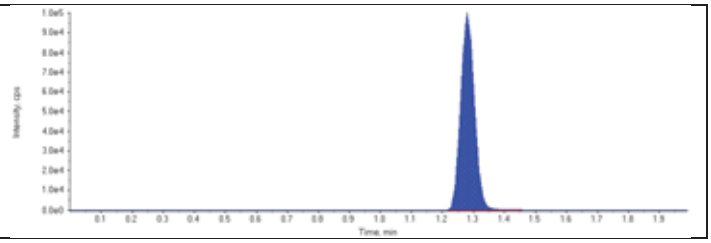
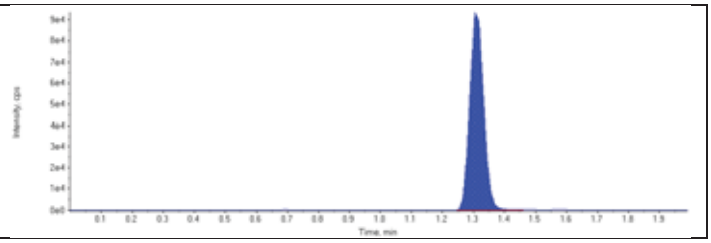
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 97.8 µg/L Area Ratio: 0.441 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 98.5 µg/L Area Ratio: 1.13 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 82.6 µg/L Area Ratio: 0.382 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 91.9 µg/L Area Ratio: 0.335 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 89.8 µg/L Area Ratio: 0.297 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 87.7 µg/L Area Ratio: 0.227 Sample Type: (Quality Control)	

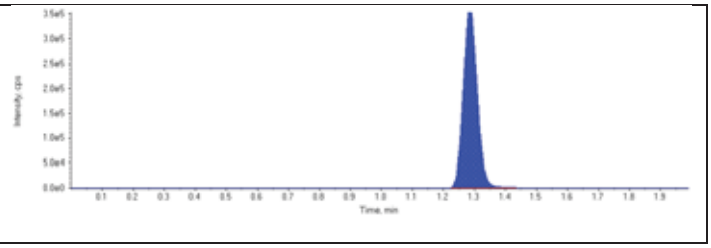
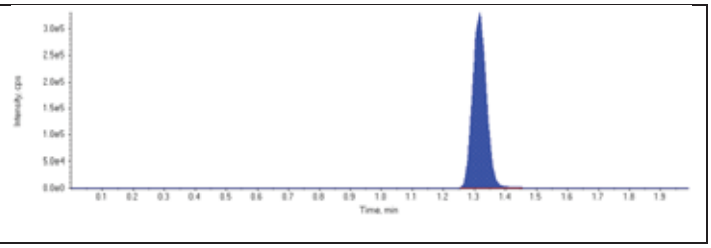
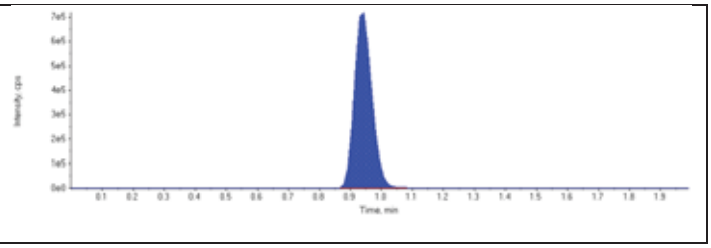
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 93.3 µg/L Area Ratio: 0.314 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 109. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 112. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 102. µg/L Area Ratio: 0.363 Sample Type: (Quality Control)	

Sample ID	ICV	**Injection Volume (µL)**	2
Sample Type	Quality Control	**Injection Vial**	9
Acquisition Date	2017/02/27 8:59:27 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	306000.	1.28	1.00	-
D5-EtFOSAA IS	289000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	1140000	1.29	28.0	23.8	85.0
EtFOSAA 1	1010000	1.32	28.0	24.7	88.1
13C9-PFDA	2840000	0.938	100.	109.	109.0

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.28(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.31(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 23.8 µg/L Area Ratio: 3.73 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.32 (1.31) min Calculated Conc: 24.7 µg/L Area Ratio: 3.49 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.938 (0.855) min Calculated Conc: 109. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

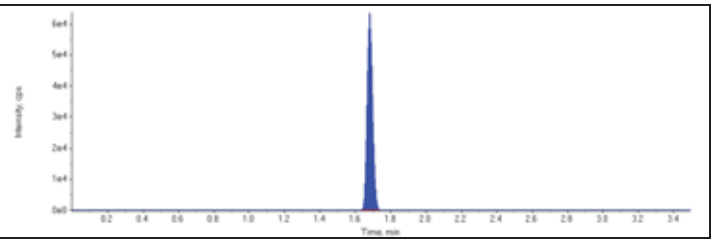
Sample ID	ICV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	9
Acquisition Date	2017/03/08 8:34:08 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	135000.	1.68	1.00	-
MPFHxA	462000.	1.47	1.00	-
MPFHpA	492000.	1.71	1.00	-
MPFOA	372000.	1.89	1.00	-
MPFOS	174000.	1.97	1.00	-
MPFNA	386000.	2.03	1.00	-
MPFDA	376000.	2.14	1.00	-
MPFUnA	261000.	2.24	1.00	-
MPFDoA	285000.	2.32	1.00	-
MPFTeDA	275000.	2.46	1.00	-
M2 6:2 FTS	402000.	1.83	1.00	-
M2 8:2 FTS	283000.	2.10	1.00	-
13C6-PFHxA IS	1380000.	1.46	1.00	-
13C9-PFDA IS	1400000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	2800000	1.15	20.8	21.9	105.0
PFHxA 1	3940000	1.47	20.8	21.0	101.0
PFHxS 1	2290000	1.68	20.8	23.7	114.0
PFHpA 1	3620000	1.71	20.8	21.7	104.0
PFOA 1	3060000	1.89	20.8	22.7	109.0
PFOS 1	1580000	1.97	20.8	20.4	98.2
PFNA 1	3040000	2.03	20.8	22.9	110.0
PFDA 1	2980000	2.14	20.8	21.8	105.0
PFUnA 1	2160000	2.24	20.8	19.6	94.2
PFDoA 1	2350000	2.32	20.8	23.5	113.0
PFTrDA 1	2270000	2.39	20.8	23.5	113.0
PFTeDA 1	1970000	2.46	20.8	17.2	82.9
6:2-FTS 1	2370000	1.83	20.8	22.1	106.0
8:2-FTS 1	2620000	2.10	20.8	21.2	102.0
13C2-PFHxA	462000	1.47	100.	95.1	95.1
18O2-PFHxS	135000	1.68	100.	87.4	87.4
13C4-PFHpA	492000	1.71	100.	93.3	93.3
13C4-PFOA	372000	1.89	100.	89.7	89.7
13C4-PFOS	174000	1.97	100.	90.3	90.3
13C5-PFNA	386000	2.03	100.	90.9	90.9
13C2-PFDA	376000	2.14	100.	82.9	82.9
13C2-PFUnA	261000	2.24	100.	79.7	79.7
13C2-PFDoA	285000	2.32	100.	94.3	94.3
13C2-PFTeDA	275000	2.46	100.	87.5	87.5
13C2-8:2 FTS	283000	2.10	100.	103.	103.0
13C6-PFHxA	1380000	1.46	100.	103.	103.0
13C9-PFDA	1400000	2.14	100.	118.	118.0
13C2-6:2-FTS	402000	1.83	100.	98.9	98.9

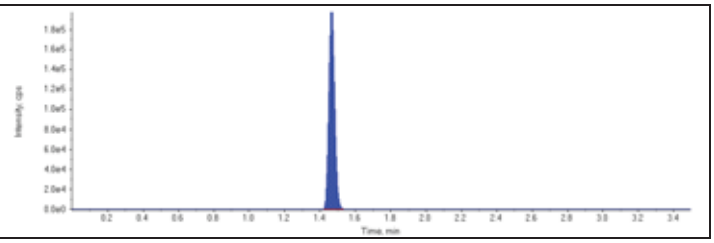
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



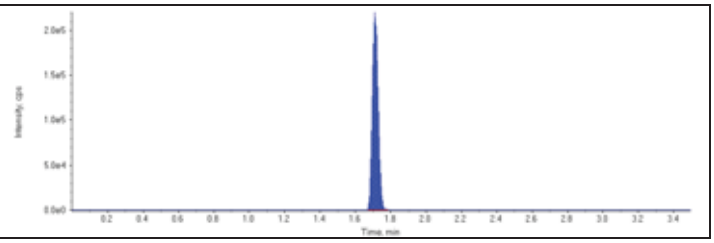
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



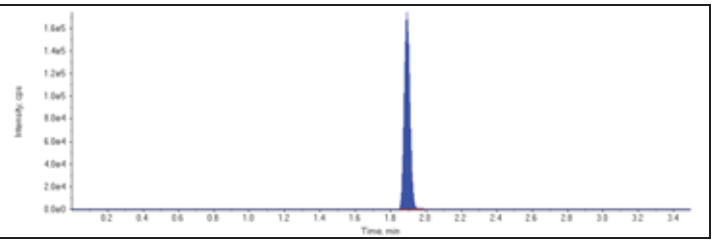
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



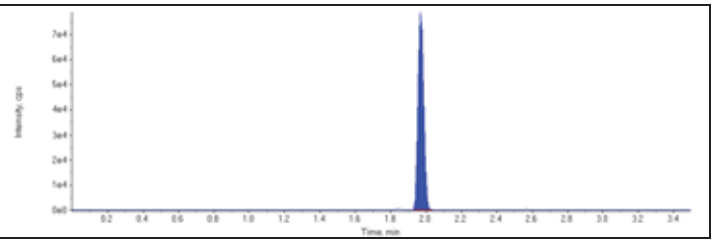
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



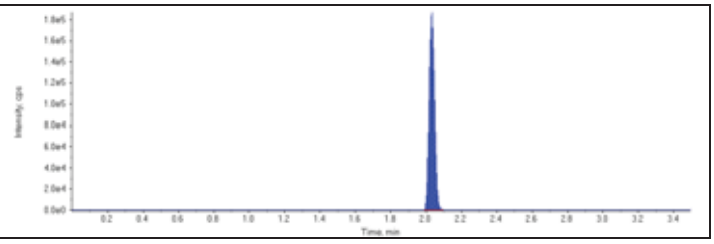
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



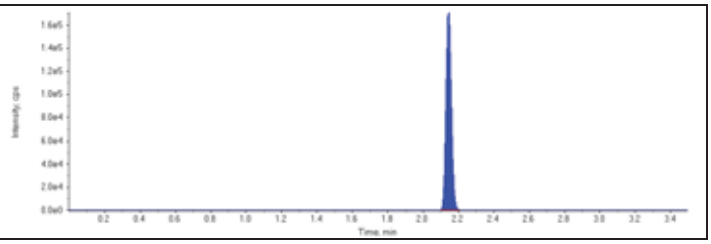
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



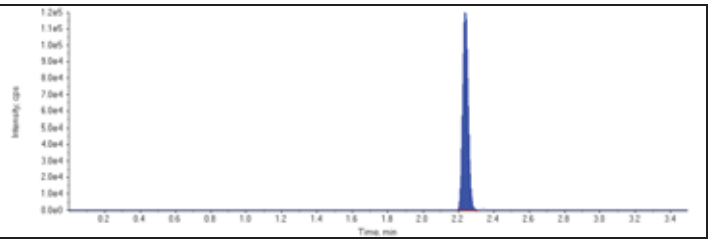
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



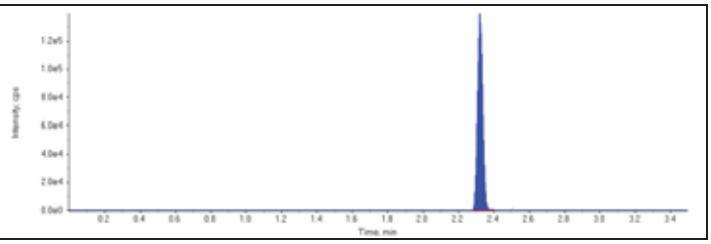
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



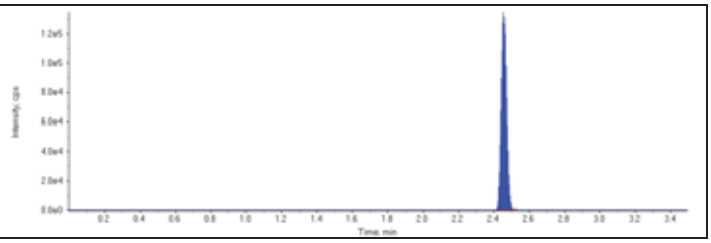
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



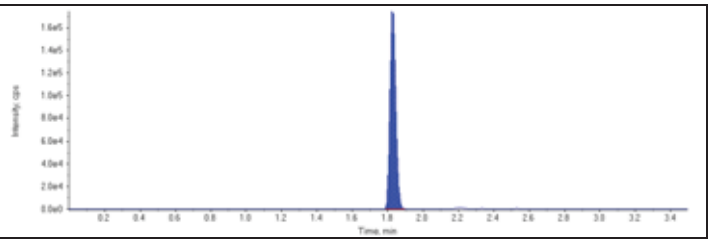
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



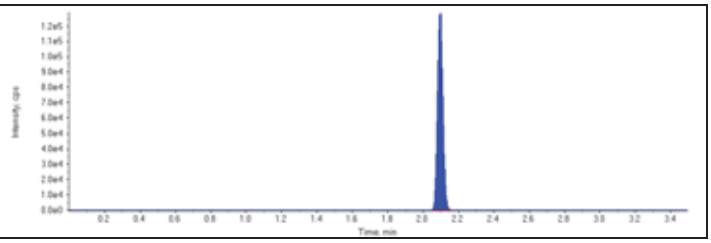
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



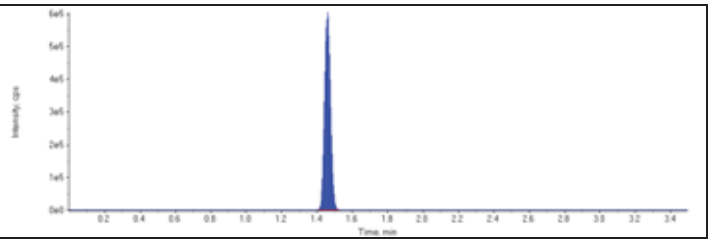
M2 8:2 FTS (Internal Standard)

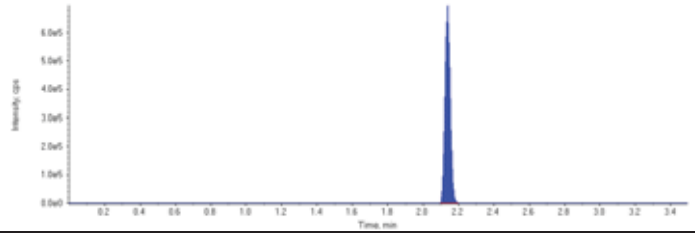
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

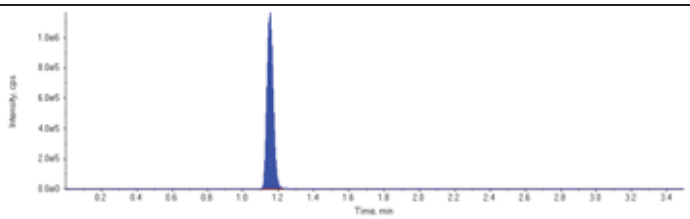
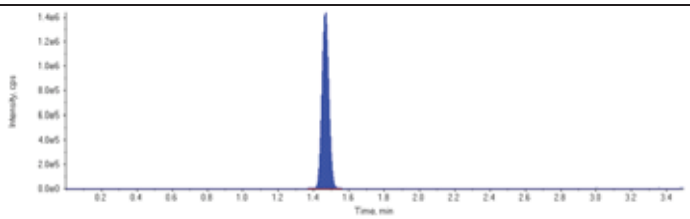
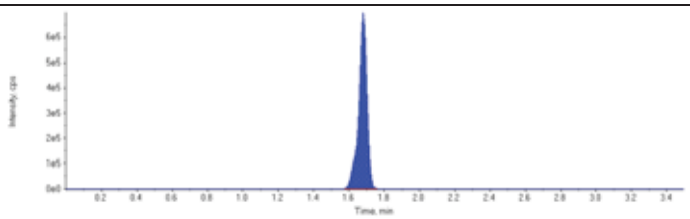
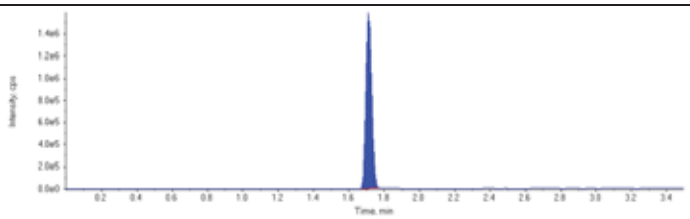
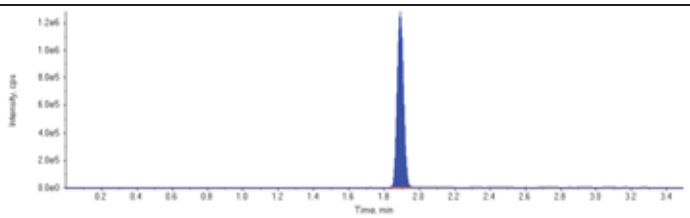
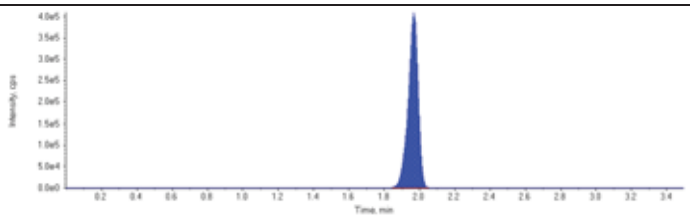


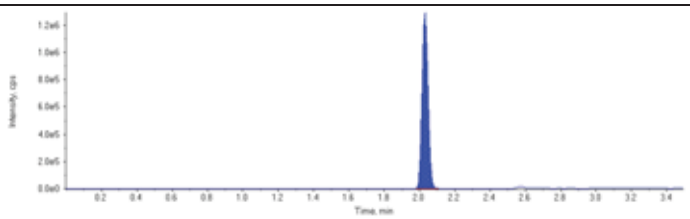
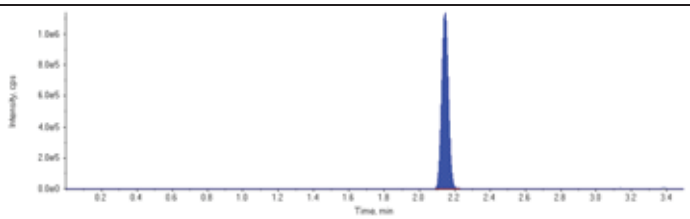
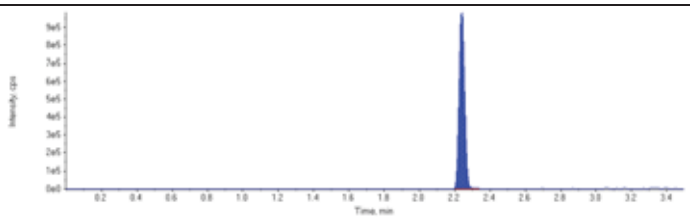
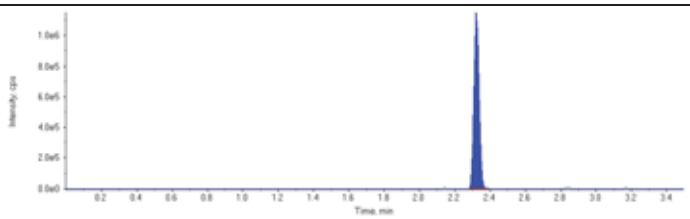
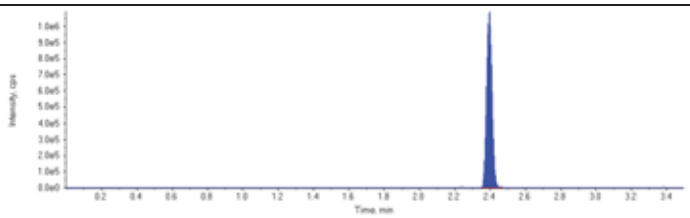
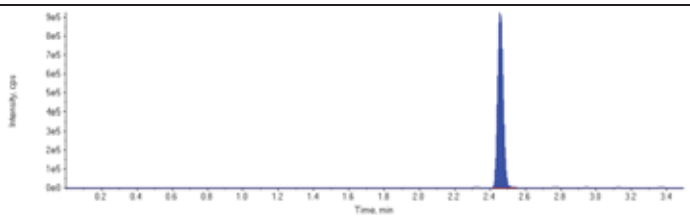
13C6-PFHxA IS (Internal Standard)

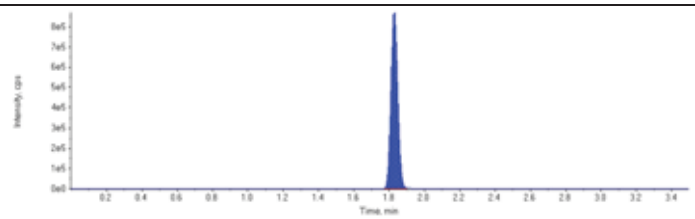
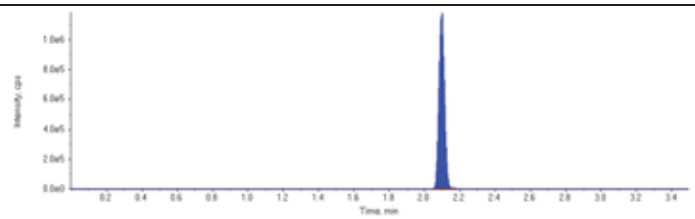
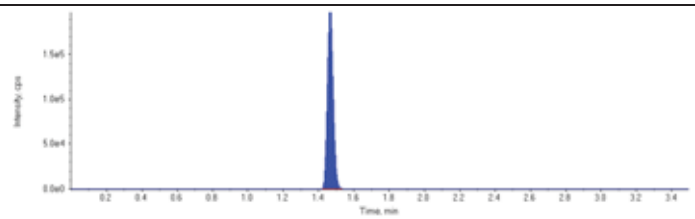
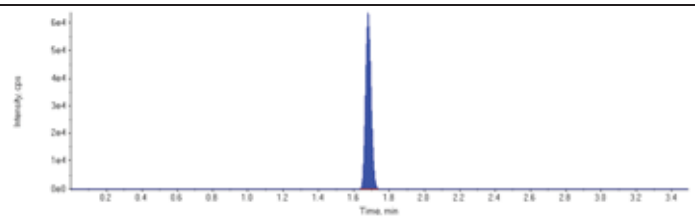
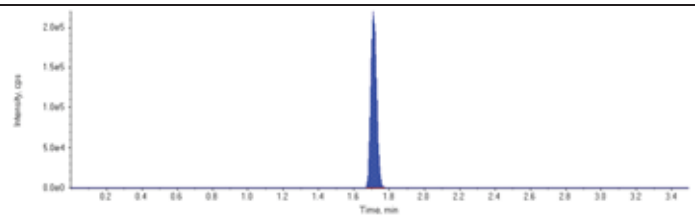
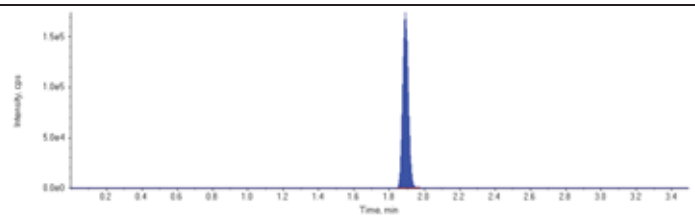
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

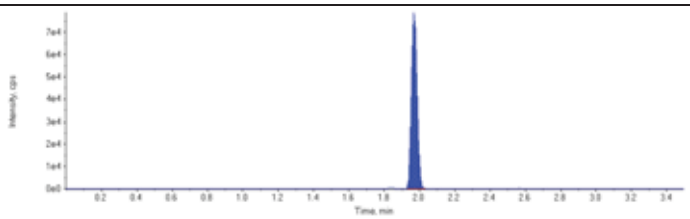
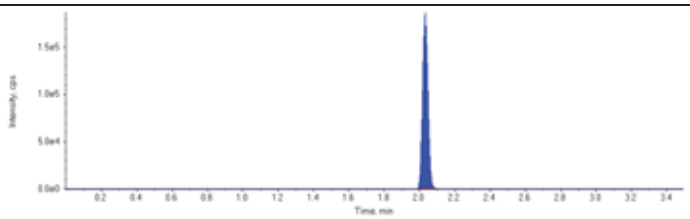
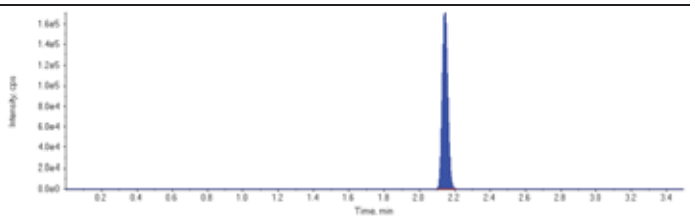
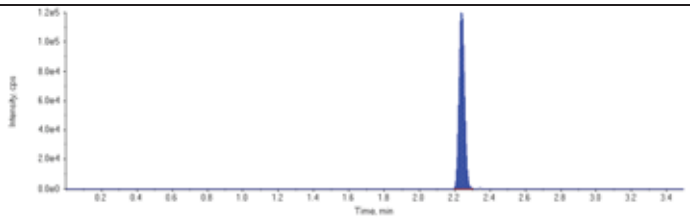
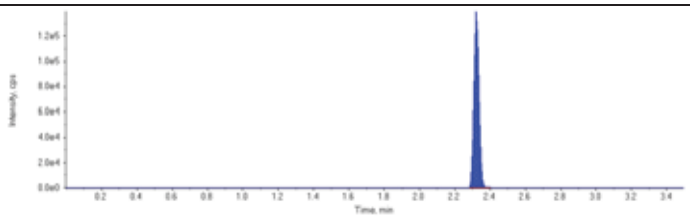
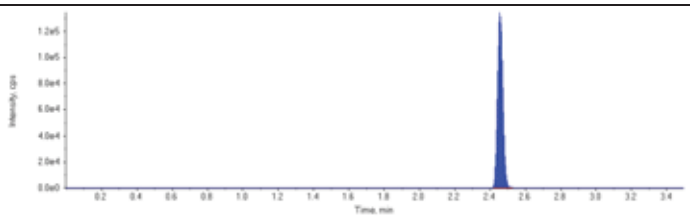


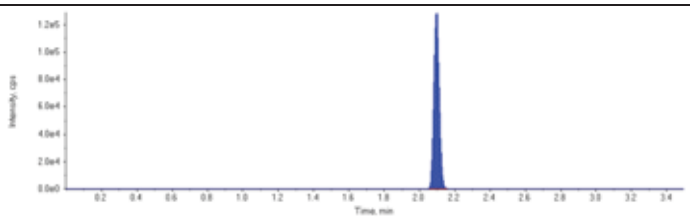
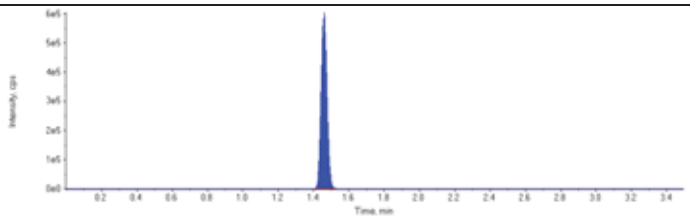
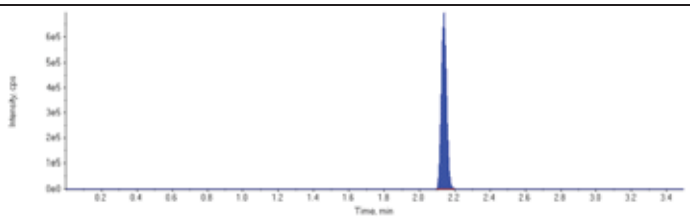
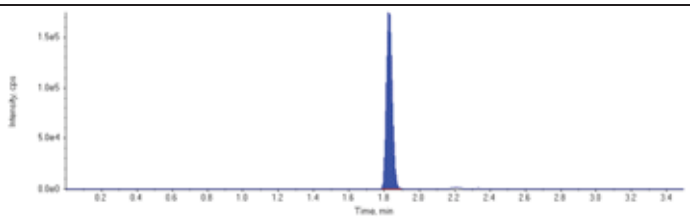
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 21.9 µg/L Area Ratio: 20.8 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 21.0 µg/L Area Ratio: 8.54 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 23.7 µg/L Area Ratio: 17.0 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 21.7 µg/L Area Ratio: 7.35 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 22.7 µg/L Area Ratio: 8.23 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 20.4 µg/L Area Ratio: 9.09 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 22.9 µg/L Area Ratio: 7.88 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 21.8 µg/L Area Ratio: 7.93 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 19.6 µg/L Area Ratio: 8.25 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 23.5 µg/L Area Ratio: 8.25 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 23.5 µg/L Area Ratio: 8.27 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 17.2 µg/L Area Ratio: 7.15 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 22.1 µg/L Area Ratio: 5.89 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 21.2 µg/L Area Ratio: 9.26 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.49) min Calculated Conc: 95.1 µg/L Area Ratio: 0.335 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 87.4 µg/L Area Ratio: 0.0978 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 93.3 µg/L Area Ratio: 0.357 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 89.7 µg/L Area Ratio: 0.270 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 90.3 µg/L Area Ratio: 0.127 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 90.9 µg/L Area Ratio: 0.281 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 82.9 µg/L Area Ratio: 0.268 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 79.7 µg/L Area Ratio: 0.186 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 94.3 µg/L Area Ratio: 0.203 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 87.5 µg/L Area Ratio: 0.196 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 103. µg/L Area Ratio: 0.206 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 103. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 118. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 98.9 µg/L Area Ratio: 0.292 Sample Type: (Quality Control)	

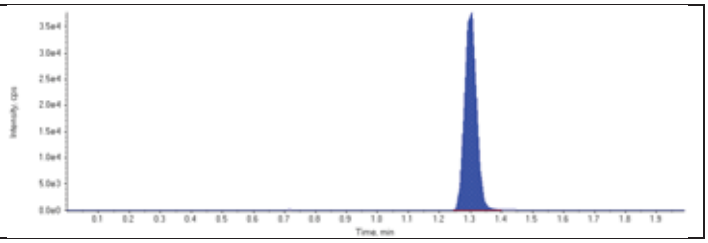
Sample ID	ICV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	40
Acquisition Date	2017/03/03 5:56:56 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	100000.	1.30	1.00	-
D5-EtFOSAA IS	92400.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	854000	1.31	20.8	20.3	97.6
EtFOSAA 1	786000	1.33	20.8	20.9	101.0
13C9-PFDA	933000	0.974	100.	100.	100.0

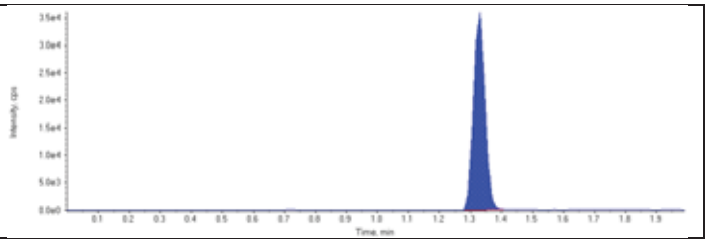
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



D5-EtFOSAA IS (Internal Standard)

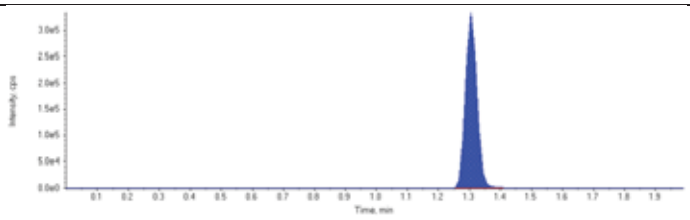
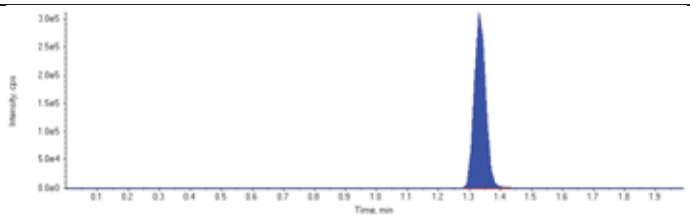
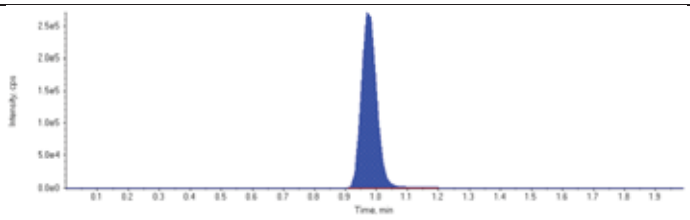
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Quality Control)

This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 20.3 µg/L Area Ratio: 8.51 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 20.9 µg/L Area Ratio: 8.51 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.974 (0.855) min Calculated Conc: 100. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

Perfluorinated Compound Internal Standard (IS) Evaluation

Sample Name	Analyte	PFBS			PFHxA			PFHxS			PFHpA			PFOA			PFOS		
	Mass labeled IS	MPFHxS			MPFHxA			MPFHxS			MPFHpA			MPFOA			MPFOS		
	Average IS Area in ICAL	680500			2455000			680500			2325000			2230000			909667		
		IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)
4871838-BLANK		722000	106		2500000	102		722000	106		2280000	98		2180000	98		917000	101	
STD 1		687000	101		2470000	101		687000	101		2400000	103		2260000	101		945000	104	
STD 2		707000	104		2460000	100		707000	104		2230000	96		2270000	102		889000	98	
STD 3		693000	102		2470000	101		693000	102		2450000	105		2230000	100		925000	102	
STD 4		642000	94		2440000	99		642000	94		2260000	97		2170000	97		915000	101	
STD 5		684000	101		2500000	102		684000	101		2350000	101		2240000	100		905000	99	
STD 6		670000	98		2390000	97		670000	98		2260000	97		2210000	99		879000	97	
ICV		759000	112		2640000	108		759000	112		2480000	107		2440000	109		973000	107	
CCV		727000	107		2510000	102		727000	107		2280000	98		2150000	96		910000	100	
4871838-MTRX SPK		733000	108	101	2280000	93	91	733000	108	101	2250000	97	99	2170000	97	101	883000	97	97
4871838-MTRX SPK:D1		666000	98	92	2230000	91	89	666000	98	92	2120000	91	93	2100000	94	98	841000	92	92
4871838-SPIKE		692000	102	95	2380000	97	95	692000	102	95	1990000	86	87	2190000	98	102	852000	94	94
4871838-DXR289-01 (10x)		665000	98	91	2340000	95	93	665000	98	91	2400000	103	105	2120000	95	99	892000	98	98
4871838-DXR290-01 (10x)		677000	99	93	2510000	102	100	677000	99	93	2230000	96	98	2210000	99	103	896000	98	98
4871838-DXR291-01 (10x)		673000	99	93	2260000	92	90	673000	99	93	2370000	102	104	2190000	98	102	898000	99	99
4871838-DXR292-01 (10x)		659000	97	91	2420000	99	96	659000	97	91	2310000	99	101	2130000	96	99	915000	101	101
4871838-DXR293-01 (10x)		680000	100	94	2350000	96	94	680000	100	94	2300000	99	101	2210000	99	103	903000	99	99
4871838-DXR294-01 (10x)		707000	104	97	2530000	103	101	707000	104	97	2380000	102	104	2310000	104	107	912000	100	100
4871838-DXS244-01		702000	103	97	2370000	97	94	702000	103	97	2380000	102	104	2230000	100	104	935000	103	103
4871838-DXS245-01 (10x)		668000	98	92	2460000	100	98	668000	98	92	2360000	102	104	2250000	101	105	924000	102	102
4871838-DXS246-01 (10x)		657000	97	90	2430000	99	97	657000	97	90	2300000	99	101	2260000	101	105	909000	100	100
4871838-DXS247-01		682000	100	94	2370000	97	94	682000	100	94	2270000	98	100	2130000	96	99	937000	103	103
CCV		698000	103		2570000	105		698000	103		2420000	104		2200000	99		950000	104	
4871838-DXS248-01 (10x)		668000	98	96	2470000	101	96	668000	98	96	2320000	100	96	2170000	97	99	917000	101	97
4871838-DXS249-01 (10x)		694000	102	99	2500000	102	97	694000	102	99	2370000	102	98	2300000	103	105	917000	101	97
4871838-DXS250-01		720000	106	103	2400000	98	93	720000	106	103	2220000	95	92	2230000	100	101	910000	100	96
4871838-DXS251-01		676000	99	97	2370000	97	92	676000	99	97	2290000	98	95	2330000	104	106	919000	101	97
4871838-DXS252-01		685000	101	98	2410000	98	94	685000	101	98	2480000	107	102	2350000	105	107	915000	101	96
4871838-DXS253-01		676000	99	97	2360000	96	92	676000	99	97	2220000	95	92	2180000	98	99	898000	99	95
CCV		698000	103		2420000	99		698000	103		2270000	98		2220000	100		944000	104	
4871838-DXR289-01		675000	99	97	2250000	92	93	675000	99	97	2300000	99	101	2320000	104	105	873000	96	92
4871838-DXR290-01		690000	101	99	2290000	93	95	690000	101	99	2040000	88	90	2110000	95	95	875000	96	93
4871838-DXR291-01		685000	101	98	2310000	94	95	685000	101	98	2220000	95	98	2090000	94	94	879000	97	93
4871838-DXR292-01		727000	107	104	2350000	96	97	727000	107	104	2310000	99	102	2390000	107	108	946000	104	100
4871838-DXR293-01		693000	102	99	2320000	95	96	693000	102	99	2390000	103	105	2170000	97	98	924000	102	98
4871838-DXR294-01		723000	106	104	2290000	93	95	723000	106	104	2260000	97	100	2290000	103	103	899000	99	95
4871838-DXS245-01		713000	105	102	2480000	101	102	713000	105	102	2310000	99	102	2270000	102	102	883000	97	94
4871838-DXS246-01		713000	105	102	2370000	97	98	713000	105	102	2330000	100	103	2320000	104	105	813000	89	86
4871838-DXS248-01		665000	98	95	2260000	92	93	665000	98	95	2350000	101	104	2110000	95	95	854000	94	90
4871838-DXS249-01		682000	100	98	2250000	92	93	682000	100	98	2130000	92	94	1940000	87	87	814000	89	86
CCV		701000	103		2440000	99		701000	103		2300000	99		2290000	103		888000	98	
CCV		659000	97		2340000	95		659000	97		2370000	102		2250000	101		861000	95	
4871838-DXR289-01		655000	96	99	2340000	95	100	655000	96	99	2360000	102	100	2280000	102	101	868000	95	101
4871838-DXR291-01		650000	96	99	2310000	94	99	650000	96	99	2350000	101	99	2150000	96	96	867000	95	101
4871838-DXR293-01		676000	99	103	2280000	93	97	676000	99	103	2330000	100	98	2310000	104	103	870000	96	101
4871838-DXR294-01		697000	102	106	2320000	95	99	697000	102	106	2410000	104	102	2320000	104	103	906000	100	105
4871838-DXR292-01		715000	105	108	2390000	97	102	715000	105	108	2400000	103	101	2380000	107	106	966000	106	112
4871838-DXR290-01		701000	103	106	2280000	93	97	701000	103	106	2170000	93	92	2120000	95	94	883000	97	103
4871838-MTRX SPK		698000	103	106	2270000	92	97	698000	103	106	2150000	92	91	2220000	100	99	888000	98	103
4871838-MTRX SPK:D1		671000	99	102	2250000	92	96	671000	99	102	2190000	94	92	2150000	96	96	864000	95	100
4871838-SPIKE		695000	102	105	2360000	96	101	695000	102	105	2110000	91	89	2170000	97	96	879000	97	102
CCV		708000	104		2460000	100		708000	104		2370000	102		2260000	101		929000	102	
CCV		728000	107		2410000	98		728000	107		2550000	110		2270000	102		938000	103	
CCV		699000	103		2450000	100		699000	103		2440000	105		2200000	99		938000	103	

Perfluorinated Compound Internal Standard (IS) Evaluation

Sample Name	Analyte	PFNA			PFDA			PFUnA			PFDoA			PFTrDA			PFTeDA			6:2 FTS			8:2 FTS		
	Mass labeled IS	MPFNA			MPFDA			MPFUnA			MPFDoA			MPFTeDA			MPFTeDA			M2 6:2FTS			M2 8:2FTS		
	Average IS Area in ICAL	2318333			2378333			1873333			1696667			1328333			1328333			720000			680167		
		IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)
4871838-BLANK		2410000	104		2360000	99		1970000	105		1670000	98		1050000	79		1050000	79		793000	110		721000	106	
STD 1		2500000	108		2300000	97		2040000	109		1620000	95		1320000	99		1320000	99		783000	109		689000	101	
STD 2		2350000	101		2370000	100		1860000	99		1850000	109		1200000	90		1200000	90		685000	95		698000	103	
STD 3		2430000	105		2500000	105		1830000	98		1660000	98		1340000	101		1340000	101		768000	107		675000	99	
STD 4		2270000	98		2400000	101		1930000	103		1630000	96		1460000	110		1460000	110		725000	101		728000	107	
STD 5		2280000	98		2410000	101		1910000	102		1670000	98		1360000	102		1360000	102		673000	93		655000	96	
STD 6		2080000	90		2290000	96		1670000	89		1750000	103		1290000	97		1290000	97		686000	95		636000	94	
ICV		2500000	108		2220000	93		1940000	104		1720000	101		1320000	99		1320000	99		802000	111		694000	102	
CCV		2460000	106		2380000	100		1780000	95		1660000	98		1390000	105		1390000	105		796000	111		662000	97	
4871838-MTRX SPK		2260000	97	92	2450000	103	103	1660000	89	93	1410000	83	85	625000	**47**	**45**	625000	**47**	**45**	714000	99	90	682000	100	103
4871838-MTRX SPK:D1		2270000	98	92	2250000	95	95	1640000	88	92	1410000	83	85	632000	**48**	**45**	632000	**48**	**45**	760000	106	95	689000	101	104
4871838-SPIKE		2240000	97	91	2230000	94	94	1850000	99	104	1640000	97	99	1240000	93	89	1240000	93	89	755000	105	95	630000	93	95
4871838-DXR289-01 (10x)		2300000	99	93	2190000	92	92	1590000	85	89	1550000	91	93	722000	54	**52**	722000	54	**52**	700000	97	88	668000	98	101
4871838-DXR290-01 (10x)		2290000	99	93	2280000	96	96	1790000	96	101	1460000	86	88	661000	**50**	**48**	661000	**50**	**48**	738000	103	93	636000	94	96
4871838-DXR291-01 (10x)		2250000	97	91	2410000	101	101	1810000	97	102	1370000	81	83	708000	53	**51**	708000	53	**51**	723000	100	91	658000	97	99
4871838-DXR292-01 (10x)		2250000	97	91	2240000	94	94	1750000	93	98	1480000	87	89	815000	61	**59**	815000	61	**59**	710000	99	89	669000	98	101
4871838-DXR293-01 (10x)		2220000	96	90	2260000	95	95	1850000	99	104	1480000	87	89	645000	**49**	**46**	645000	**49**	**46**	688000	96	86	648000	95	98
4871838-DXR294-01 (10x)		2380000	103	97	2220000	93	93	1900000	101	107	1470000	87	89	805000	61	**58**	805000	61	**58**	709000	98	89	641000	94	97
4871838-DXS244-01		2300000	99	93	2240000	94	94	1770000	94	99	1640000	97	99	809000	61	**58**	809000	61	**58**	750000	104	94	659000	97	100
4871838-DXS245-01 (10x)		2320000	100	94	2600000	109	109	1730000	92	97	1630000	96	98	716000	54	**52**	716000	54	**52**	739000	103	93	664000	98	100
4871838-DXS246-01 (10x)		2200000	95	89	2210000	93	93	1840000	98	103	1560000	92	94	850000	64	**61**	850000	64	**61**	733000	102	92	635000	93	96
4871838-DXS247-01		2430000	105	99	2370000	100	100	1800000	96	101	1370000	81	83	1000000	75	72	1000000	75	72	786000	109	99	663000	97	100
CCV		2300000	99		2350000	99		1850000	99		1720000	101		1310000	99		1310000	99		729000	101		644000	95	
4871838-DXS248-01 (10x)		2230000	96	97	2130000	90	91	1750000	93	95	1550000	91	90	1010000	76	77	1010000	76	77	764000	106	105	674000	99	105
4871838-DXS249-01 (10x)		2300000	99	100	2360000	99	100	1800000	96	97	1570000	93	91	871000	66	**66**	871000	66	**66**	784000	109	108	689000	101	107
4871838-DXS250-01		2340000	101	102	2400000	101	102	1910000	102	103	1740000	103	101	971000	73	74	971000	73	74	744000	103	102	676000	99	105
4871838-DXS251-01		2200000	95	96	2390000	100	102	1970000	105	106	1600000	94	93	986000	74	75	986000	74	75	758000	105	104	685000	101	106
4871838-DXS252-01		2390000	103	104	2310000	97	98	1950000	104	105	1460000	86	85	947000	71	72	947000	71	72	781000	108	107	652000	96	101
4871838-DXS253-01		2370000	102	103	2340000	98	100	1810000	97	98	1540000	91	90	793000	60	**61**	793000	60	**61**	756000	105	104	622000	91	97
CCV		2150000	93		2130000	90		2000000	107		1660000	98		1360000	102		1360000	102		731000	102		611000	90	
4871838-DXR289-01		2290000	99	107	2140000	90	100	1630000	87	82	1430000	84	86	597000	**45**	**44**	597000	**45**	**44**	775000	108	106	670000	99	110
4871838-DXR290-01		2360000	102	110	2280000	96	107	1790000	96	90	1420000	84	86	498000	**37**	**37**	498000	**37**	**37**	786000	109	108	680000	100	111
4871838-DXR291-01		2160000	93	100	2310000	97	108	1780000	95	89	1440000	85	87	656000	**49**	**48**	656000	**49**	**48**	768000	107	105	655000	96	107
4871838-DXR292-01		2410000	104	112	2340000	98	110	1870000	100	94	1360000	80	82	724000	55	**53**	724000	55	**53**	862000	120	118	670000	99	110
4871838-DXR293-01		2300000	99	107	2200000	93	103	1590000	85	80	1340000	79	81	678000	51	**50**	678000	51	**50**	785000	109	107	662000	97	108
4871838-DXR294-01		2270000	98	106	2280000	96	107	1760000	94	88	1350000	80	81	789000	59	**58**	789000	59	**58**	773000	107	106	709000	104	116
4871838-DXS245-01		2280000	98	106	2270000	95	107	1930000	103	97	1360000	80	82	582000	**44**	**43**	582000	**44**	**43**	790000	110	108	642000	94	105
4871838-DXS246-01		2250000	97	105	2260000	95	106	2000000	107	100	1560000	92	94	827000	62	**61**	827000	62	**61**	705000	98	96	642000	94	105
4871838-DXS248-01		2220000	96	103	2350000	99	110	1800000	96	90	1520000	90	92	838000	63	**62**	838000	63	**62**	676000	94	92	638000	94	104
4871838-DXS249-01		1990000	86	93	2200000	93	103	1760000	94	88	1500000	88	90	734000	55	**54**	734000	55	**54**	718000	100	98	618000	91	101
CCV		2290000	99		2310000	97		1970000	105		1650000	97		1440000	108		1440000	108		748000	104		635000	93	
CCV		2330000	101		2400000	101		1730000	92		1720000	101		1190000	90		1190000	90		856000	119		747000	110	
4871838-DXR289-01		2220000	96	95	2230000	94	93	1760000	94	102	1410000	83	82	629000	**47**	**53**	629000	**47**	**53**	738000	103	86	664000	98	89
4871838-DXR291-01		2260000	97	97	2450000	103	102	1790000	96	103	1520000	90	88	699000	53	**59**	699000	53	**59**	775000	108	91	671000	99	90
4871838-DXR293-01		2330000	101	100	2420000	102	101	1770000	94	102	1430000	84	83	651000	**49**	**55**	651000	**49**	**55**	731000	102	85	657000	97	88
4871838-DXR294-01		2460000	106	106	2260000	95	94	1720000	92	99	1550000	91	90	715000	54	**60**	715000	54	**60**	760000	106	89	692000	102	93
4871838-DXR292-01		2360000	102	101	2620000	110	109	1860000	99	108	1450000	85	84	708000	53	**59**	708000	53	**59**	814000	113	95	710000	104	95
4871838-DXR290-01		2330000	101	100	2290000	96	95	1800000	96	104	1500000	88	87	500000	**38**	**42**	500000	**38**	**42**	804000	112	94	709000	104	95
4871838-MTRX SPK		2240000	97	96	2330000	98	97	1850000	99	107	1370000	81	80	670000	50	**56**	670000	50	**56**	727000	101	85	677000	100	91
4871838-MTRX SPK:D1		2250000	97	97	2150000	90	90	1540000	82	89	1450000	85	84	678000	51	**57**	678000	51	**57**	727000	101	85	628000	92	84
4871838-SPIKE		2360000	102	101	2270000	95	95	1970000	105	114	1810000	107	105	1210000	91	102	1210000	91	102	692000	96	81	636000	94	85
CCV		2250000	97		2270000	95		1820000	97		1760000	104		1240000	93		1240000	93		772000	107		660000	97	
CCV		2350000	101		2420000	102		1890000	101		1750000	103		1250000	94		1250000	94		736000	102		672000	99	
CCV		2500000	108		2470000	104		2100000	112		1830000	108		1290000	97		1290000	97		769000	107		697000	102	

Perfluorinated Compounds Internal Standard (IS) Evaluation

Sample Name	Analyte	MeFOSAA			EtFOSAA		
	Mass labeled IS	D3-MeFOSAA IS			D5-EtFOSAA IS		
	Average IS Area in ICAL	288667			277500		
		IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)
4871838~BLANK		292000	101		288000	104	
STD 1		308000	107		297000	107	
STD 2		280000	97		294000	106	
STD 3		293000	102		272000	98	
STD 4		290000	100		272000	98	
STD 5		276000	96		270000	97	
STD 6		285000	99		260000	94	
ICV		306000	106		289000	104	
CCV		282000	98		266000	96	
4871838~MTRX SPK (DXR292)		265000	92	94	243000	88	91
4871838~MTRX SPK:D1 (DXR292)		252000	87	89	233000	84	88
4871838~SPIKE		255000	88	90	240000	86	90
4871838~DXR289-01 (10x)		260000	90	92	246000	89	92
4871838~DXR290-01 (10x)		258000	89	91	243000	88	91
4871838~DXR291-01 (10x)		255000	88	90	236000	85	89
4871838~DXR292-01 (10x)		254000	88	90	238000	86	89
4871838~DXR293-01 (10x)		262000	91	93	246000	89	92
4871838~DXR294-01 (10x)		258000	89	91	230000	83	86
CCV		263000	91		250000	90	
4871838~DXR289-01		247000	86	94	234000	84	94
4871838~DXR290-01		250000	87	95	226000	81	90
4871838~DXR291-01		236000	82	90	222000	80	89
4871838~DXR292-01		255000	88	97	238000	86	95
4871838~DXR293-01		240000	83	91	216000	78	86
4871838~DXR294-01		239000	83	91	226000	81	90
CCV		251000	87		225000	81	

Perfluorinated Compound Internal Standard (IS) Evaluation

Sample Name	Analyte	PFBS			PFHxA			PFHxS			PFHpA			PFOA			PFOS		
	Mass labeled IS	MPFHxS			MPFHxA			MPFHxS			MPFHpA			MPFOA			MPFOS		
	Average IS Area in ICAL	147833			466667			147833			504833			397667			185500		
		IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)
4872075~BLANK		138000	93		469000	101		138000	93		446000	88		394000	99		187000	101	
Std 1		152000	103		465000	100		152000	103		462000	92		434000	109		199000	107	
Std 2		145000	98		436000	93		145000	98		499000	99		352000	89		176000	95	
Std 3		138000	93		477000	102		138000	93		498000	99		348000	88		185000	100	
Std 4		156000	106		484000	104		156000	106		542000	107		414000	104		190000	102	
Std 5		150000	101		499000	107		150000	101		512000	101		436000	110		181000	98	
Std 6		146000	99		439000	94		146000	99		516000	102		402000	101		182000	98	
ICV		135000	91		462000	99		135000	91		492000	97		372000	94		174000	94	
CCV		159000	108		475000	102		159000	108		507000	100		413000	104		211000	114	
4872075~SPIKE		145000	98	91	415000	89	87	145000	98	91	464000	92	92	366000	92	89	181000	98	86
4872075~SPIKE:D1		128000	87	81	449000	96	95	128000	87	81	464000	92	92	354000	89	86	182000	98	86
4872075~DXR288-01		153000	103	96	458000	98	96	153000	103	96	472000	93	93	346000	87	84	183000	99	87
4872075~DXR289-01:100x		148000	100	93	406000	87	85	148000	100	93	429000	85	85	346000	87	84	183000	99	87
4872075~DXR290-01:100x		155000	105	97	430000	92	91	155000	105	97	476000	94	94	388000	98	94	180000	97	85
4872075~DXR291-01:100x		147000	99	92	456000	98	96	147000	99	92	487000	96	96	366000	92	89	190000	102	90
4872075~DXR292-01:100x		161000	109	101	453000	97	95	161000	109	101	459000	91	91	390000	98	94	188000	101	89
4872075~DXR292-01:D1:100x		143000	97	90	430000	92	91	143000	97	90	461000	91	91	352000	89	85	187000	101	89
4872075~DXR293-01:100x		135000	91	85	471000	101	99	135000	91	85	471000	93	93	385000	97	93	207000	112	98
4872075~DXR294-01:100x		156000	106	98	481000	103	101	156000	106	98	501000	99	99	401000	101	97	213000	115	101
CCV		165000	112		470000	101		165000	112		528000	105		387000	97		220000	119	
CCV		161000	109		517000	111		161000	109		508000	101		372000	94		217000	117	
CCV		169000	114		456000	98		169000	114		528000	105		414000	104		209000	113	
4872075~DXR289-01:50x		154000	104	91	458000	98	100	154000	104	91	490000	97	93	405000	102	98	193000	104	92
4872075~DXR290-01:50x		154000	104	91	475000	102	104	154000	104	91	516000	102	98	377000	95	91	198000	107	95
rinse		0	0	0	215	0	0	0	0	0	0	0	0	0	0	0	358	0	0
4872075~DXR291-01:50x		160000	108	95	451000	97	99	160000	108	95	487000	96	92	393000	99	95	196000	106	94
4872075~DXR292-01:50x		147000	99	87	476000	102	104	147000	99	87	505000	100	96	373000	94	90	204000	110	98
4872075~DXR292-01:D1:50x		147000	99	87	381000	82	84	147000	99	87	459000	91	87	374000	94	90	181000	98	87
4872075~DXR293-01:50x		147000	99	87	465000	100	102	147000	99	87	486000	96	92	403000	101	97	181000	98	87
4872075~DXR294-01:50x		140000	95	83	422000	90	93	140000	95	83	453000	90	86	367000	92	89	182000	98	87
4872075~DXR289-01:10x		145000	98	86	439000	94	96	145000	98	86	471000	93	89	392000	99	95	186000	100	89
CCV		157000	106		510000	109		157000	106		532000	105		418000	105		201000	108	
4872075~DXR290-01:10x		143000	97	91	443000	95	87	143000	97	91	480000	95	90	342000	86	82	179000	96	89
Rinse		0	0	0	266	0	0	0	0	0	0	0	0	253	0	0	286	0	0
4872075~DXR291-01:10x		166000	112	106	427000	92	84	166000	112	106	462000	92	87	427000	107	102	186000	100	93
4872075~DXR292-01:10x		149000	101	95	383000	82	75	149000	101	95	493000	98	93	370000	93	89	167000	90	83
4872075~DXR292-01:D1:10x		140000	95	89	431000	92	85	140000	95	89	436000	86	82	396000	100	95	183000	99	91
4872075~DXR293-01:10x		145000	98	92	444000	95	87	145000	98	92	469000	93	88	391000	98	94	196000	106	98
4872075~DXR294-01:10x		141000	95	90	387000	83	76	141000	95	90	481000	95	90	373000	94	89	170000	92	85
4872075~DXR290-01:10x		137000	93	87	442000	95	87	137000	93	87	436000	86	82	368000	93	88	174000	94	87
Rinse		0	0	0	266	0	0	0	0	0	0	0	0	0	0	0	286	0	0
4872075~DXR291-01:10x		145000	98	92	467000	100	92	145000	98	92	452000	90	85	334000	84	80	173000	93	86
CCV		149000	101		464000	99		149000	101		569000	113		418000	105		217000	117	

Perfluorinated Compound Internal Standard (IS) Evaluation

Sample Name	Analyte	PFNA			PFDA			PFUnA			PFDoA			PFTrDA			PFTeDA			6:2 FTS			8:2 FTS		
	Mass labeled IS	MPFNA			MPFDA			MPFUnA			MPFDoA			MPFTeDA			MPFTeDA			M2 6:2FTS			M2 8:2FTS		
	Average IS Area in ICAL	408667			381667			276333			255500			265500			265500			392500			264167		
		IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)
4872075~BLANK		425000	104		320000	84		231000	84		202000	79		222000	84		222000	84		422000	108		245000	93	
Std 1		414000	101		359000	94		287000	104		271000	106		288000	108		288000	108		394000	100		274000	104	
Std 2		408000	100		376000	99		272000	98		247000	97		240000	90		240000	90		388000	99		261000	99	
Std 3		419000	103		344000	90		293000	106		239000	94		247000	93		247000	93		409000	104		267000	101	
Std 4		438000	107		391000	102		276000	100		245000	96		250000	94		250000	94		407000	104		228000	86	
Std 5		376000	92		431000	113		259000	94		285000	112		311000	117		311000	117		419000	107		285000	108	
Std 6		397000	97		389000	102		271000	98		246000	96		257000	97		257000	97		338000	86		270000	102	
ICV		386000	94		376000	99		261000	94		285000	112		275000	104		275000	104		402000	102		283000	107	
CCV		403000	99		374000	98		276000	100		266000	104		291000	110		291000	110		437000	111		281000	106	
4872075~SPIKE		310000	76	77	343000	90	92	221000	80	80	217000	85	82	235000	89	81	235000	89	81	428000	109	98	287000	109	102
4872075~SPIKE:D1		365000	89	91	307000	80	82	270000	98	98	215000	84	81	232000	87	80	232000	87	80	443000	113	101	256000	97	91
4872075~DXR288-01		361000	88	90	363000	95	97	205000	74	74	192000	75	72	191000	72	**66**	191000	72	**66**	465000	118	106	282000	107	100
4872075~DXR289-01:100x		363000	89	90	343000	90	92	220000	80	80	198000	77	74	223000	84	77	223000	84	77	438000	112	100	256000	97	91
4872075~DXR290-01:100x		389000	95	97	338000	89	90	242000	88	88	210000	82	79	224000	84	77	224000	84	77	407000	104	93	277000	105	99
4872075~DXR291-01:100x		371000	91	92	344000	90	92	229000	83	83	187000	73	70	217000	82	75	217000	82	75	463000	118	106	267000	101	95
4872075~DXR292-01:100x		384000	94	95	364000	95	97	241000	87	87	236000	92	89	231000	87	79	231000	87	79	427000	109	98	261000	99	93
4872075~DXR292-01:D1:100x		385000	94	96	309000	81	83	232000	84	84	168000	66	**63**	182000	69	**63**	182000	69	**63**	401000	102	92	263000	100	94
4872075~DXR293-01:100x		352000	86	87	325000	85	87	240000	87	87	192000	75	72	216000	81	74	216000	81	74	424000	108	97	271000	103	96
4872075~DXR294-01:100x		401000	98	100	312000	82	83	250000	90	91	225000	88	85	226000	85	78	226000	85	78	485000	124	111	283000	107	101
CCV		433000	106		414000	108		298000	108		211000	83		295000	111		295000	111		509000	130		297000	112	
CCV		452000	111		429000	112		296000	107		243000	95		265000	100		265000	100		475000	121		304000	115	
CCV		423000	104		413000	108		302000	109		292000	114		283000	107		283000	107		486000	124		283000	107	
4872075~DXR289-01:50x		317000	78	75	380000	100	92	240000	87	79	181000	71	**62**	179000	67	**63**	179000	67	**63**	409000	104	84	272000	103	96
4872075~DXR290-01:50x		392000	96	93	400000	105	97	282000	102	93	193000	76	**66**	205000	77	72	205000	77	72	428000	109	88	277000	105	98
rinse		380	0	0	271	0	0	0	0	0	0	0	0	0	0	0	0	0	0	501	0	0	358	0	0
4872075~DXR291-01:50x		398000	97	94	368000	96	89	222000	80	74	205000	80	70	199000	75	70	199000	75	70	425000	108	87	271000	103	96
4872075~DXR292-01:50x		379000	93	90	351000	92	85	204000	74	**68**	212000	83	73	199000	75	70	199000	75	70	416000	106	86	261000	99	92
4872075~DXR292-01:D1:50x		379000	93	90	378000	99	92	227000	82	75	226000	88	77	187000	70	**66**	187000	70	**66**	407000	104	84	259000	98	92
4872075~DXR293-01:50x		370000	91	87	335000	88	81	237000	86	78	172000	67	**59**	197000	74	**70**	197000	74	**70**	449000	114	92	271000	103	96
4872075~DXR294-01:50x		432000	106	102	314000	82	76	245000	89	81	191000	75	**65**	216000	81	76	216000	81	76	356000	91	73	281000	106	99
4872075~DXR289-01:10x		355000	87	84	389000	102	94	225000	81	75	155000	61	**53**	228000	86	81	228000	86	81	369000	94	76	279000	106	99
CCV		385000	94		353000	92		222000	80		247000	97		303000	114		303000	114		448000	114		291000	110	
4872075~DXR290-01:10x		376000	92	98	376000	99	107	228000	83	103	211000	83	85	187000	70	**62**	187000	70	**62**	333000	85	74	271000	103	93
Rinse		0	0	0	358	0	0	286	0	0	0	0	0	358	0	0	358	0	0	0	0	0	197	0	0
4872075~DXR291-01:10x		387000	95	101	388000	102	110	207000	75	93	233000	91	94	209000	79	**69**	209000	79	**69**	426000	109	95	297000	112	102
4872075~DXR292-01:10x		402000	98	104	343000	90	97	212000	77	95	211000	83	85	191000	72	**63**	191000	72	**63**	366000	93	82	243000	92	84
4872075~DXR292-01:D1:10x		378000	92	98	384000	101	109	254000	92	114	205000	80	83	193000	73	**64**	193000	73	**64**	352000	90	79	265000	100	91
4872075~DXR293-01:10x		356000	87	92	291000	76	82	230000	83	104	241000	94	98	219000	82	72	219000	82	72	357000	91	80	269000	102	92
4872075~DXR294-01:10x		395000	97	103	379000	99	107	246000	89	111	236000	92	96	255000	96	84	255000	96	84	395000	101	88	245000	93	84
4872075~DXR290-01:10x		340000	83	88	313000	82	89	237000	86	107	228000	89	92	215000	81	71	215000	81	71	325000	83	73	254000	96	87
Rinse		546	0	0	215	0	0	0	0	0	0	0	0	311	0	0	311	0	0	338	0	0	0	0	0
4872075~DXR291-01:10x		384000	94	100	369000	97	105	229000	83	103	205000	80	83	198000	75	**65**	198000	75	**65**	386000	98	86	279000	106	96
CCV		427000	104		396000	104		242000	88		297000	116		282000	106		282000	106		465000	118		307000	116	

Perfluorinated Compounds Internal Standard (IS) Evaluation

Sample Name	Analyte	MeFOSAA			EtFOSAA		
	Mass labeled IS	D3-MeFOSAA IS			D5-EtFOSAA IS		
	Average IS Area in ICAL	100350			95133		
		IS Peak Area	IS %R (ICAL)	IS %R (CCV)	IS Peak Area	IS %R (ICAL)	IS %R (CCV)
4872075~BLANK		92000	92		85500	90	
Std 1		104000	104		98600	104	
Std 2		95500	95		95100	100	
Std 3		101000	101		100000	105	
Std 4		104000	104		98100	103	
Std 5		99900	100		89100	94	
Std 6		97700	97		89900	94	
ICV		100000	100		92400	97	
CCV		101000	101		91700	96	
4872075~SPIKE		75900	76	75	73000	77	80
4872075~SPIKE:D1		75800	76	75	70200	74	77
4872075~DXR288-01		69200	69	**69**	68300	72	74
4872075~DXR289-01:100x		69000	69	**68**	70400	74	77
4872075~DXR290-01:100x		72400	72	72	68800	72	75
4872075~DXR291-01:100x		72200	72	71	70300	74	77
4872075~DXR292-01:100x		77800	78	77	74100	78	81
4872075~DXR292-01:D1:100x		65400	65	**65**	63100	66	**69**
4872075~DXR293-01:100x		67500	67	**67**	64400	68	70
4872075~DXR294-01:100x		76300	76	76	72000	76	79
CCV		89300	89		84800	89	
4872075~DXR289-01:50x		73300	73	82	71000	75	84
4872075~DXR290-01:50x		72700	72	81	67100	71	79
rinse		0	0	0	0	0	0
4872075~DXR291-01:50x		72100	72	81	65200	69	77
4872075~DXR292-01:50x		65700	65	74	62700	66	74
4872075~DXR292-01:D1:50x		73000	73	82	68500	72	81
4872075~DXR293-01:50x		67200	67	75	63900	67	75
4872075~DXR294-01:50x		73100	73	82	65500	69	77
CCV		87300	87		82300	87	
4872075~DXR289-01:10x		67700	67	78	68300	72	83
4872075~DXR290-01:10x		70700	70	81	71000	75	86
Rinse		0	0	0	0	0	0
4872075~DXR291-01:10x		66300	66	76	67500	71	82
4872075~DXR292-01:10x		66400	66	76	67100	71	82
4872075~DXR292-01:D1:10x		76600	76	88	74600	78	91
4872075~DXR293-01:10x		68600	68	79	64400	68	78
4872075~DXR294-01:10x		69300	69	79	69300	73	84
CCV		87500	87		86000	90	

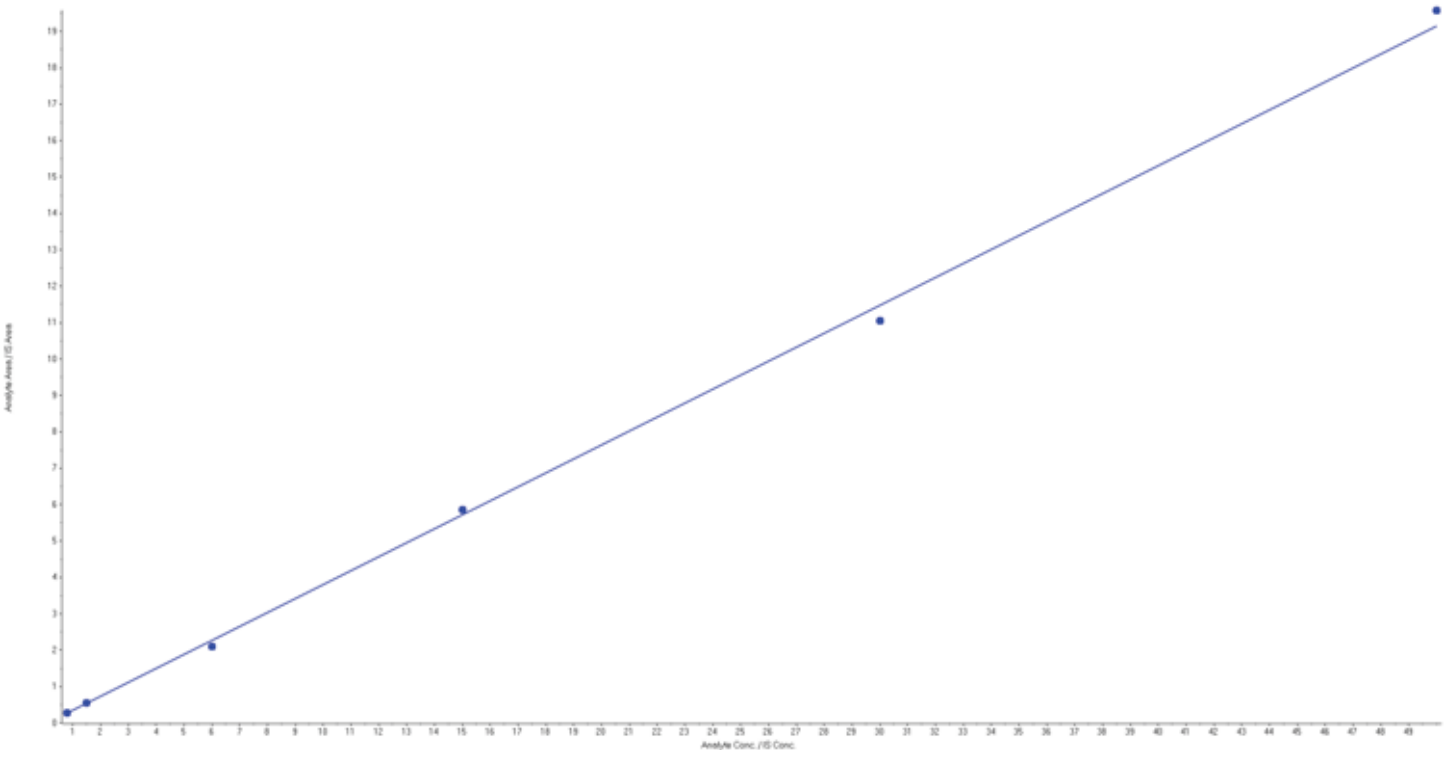
Created with Analyst Reporter
Printed: 15/03/2017 1:39:02 PM

Analyte Name: PFBS 1
Internal Standard: MPFHxS

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.384 x + -0.0365 (r = 0.9994)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.83	103.3
1.5	1	1.55	103.1
6	1	5.56	92.6
15	1	15.36	102.4
30	1	28.89	96.3
50	1	51.12	102.2

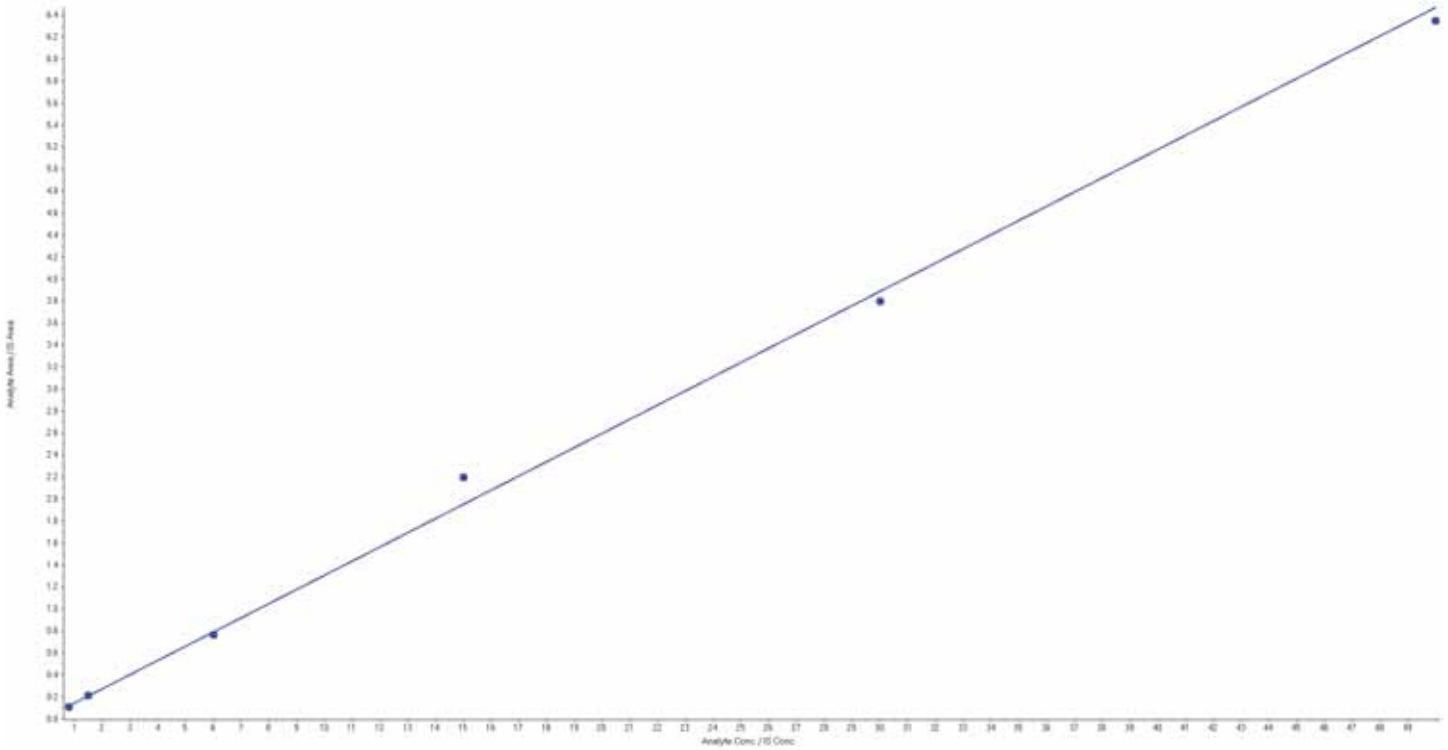


Analyte Name: PFHxA 1
Internal Standard: MPFHxA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.129 x + 0.0166 (r = 0.9984)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.74	92.7
1.5	1	1.54	102.5
6	1	5.79	96.5
15	1	16.88	112.5
30	1	29.30	97.7
50	1	49.05	98.1

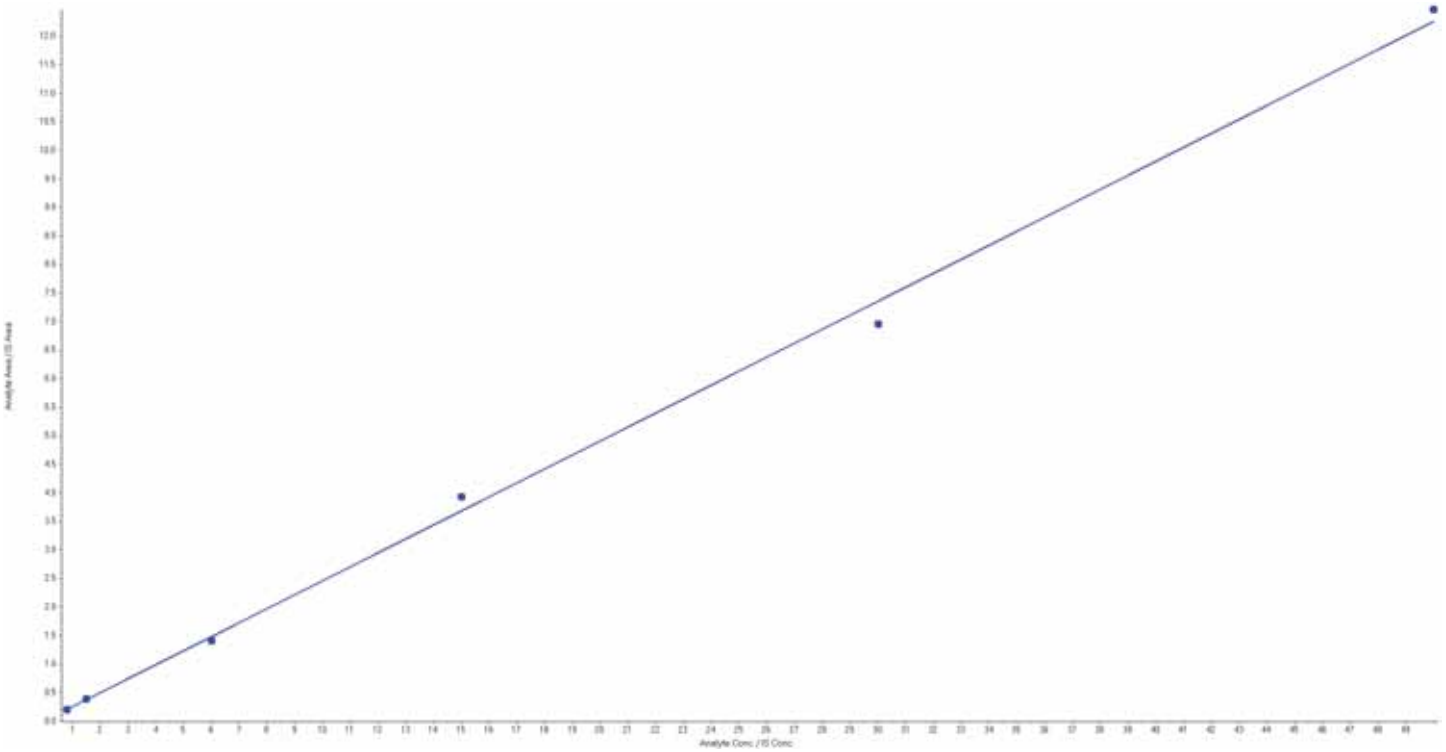


Analyte Name: PFHxS 1
Internal Standard: MPFHxS

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.245 x + 0.00677 (r = 0.9989)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.79	99.3
1.5	1	1.53	102.0
6	1	5.74	95.6
15	1	16.03	106.8
30	1	28.35	94.5
50	1	50.86	101.7

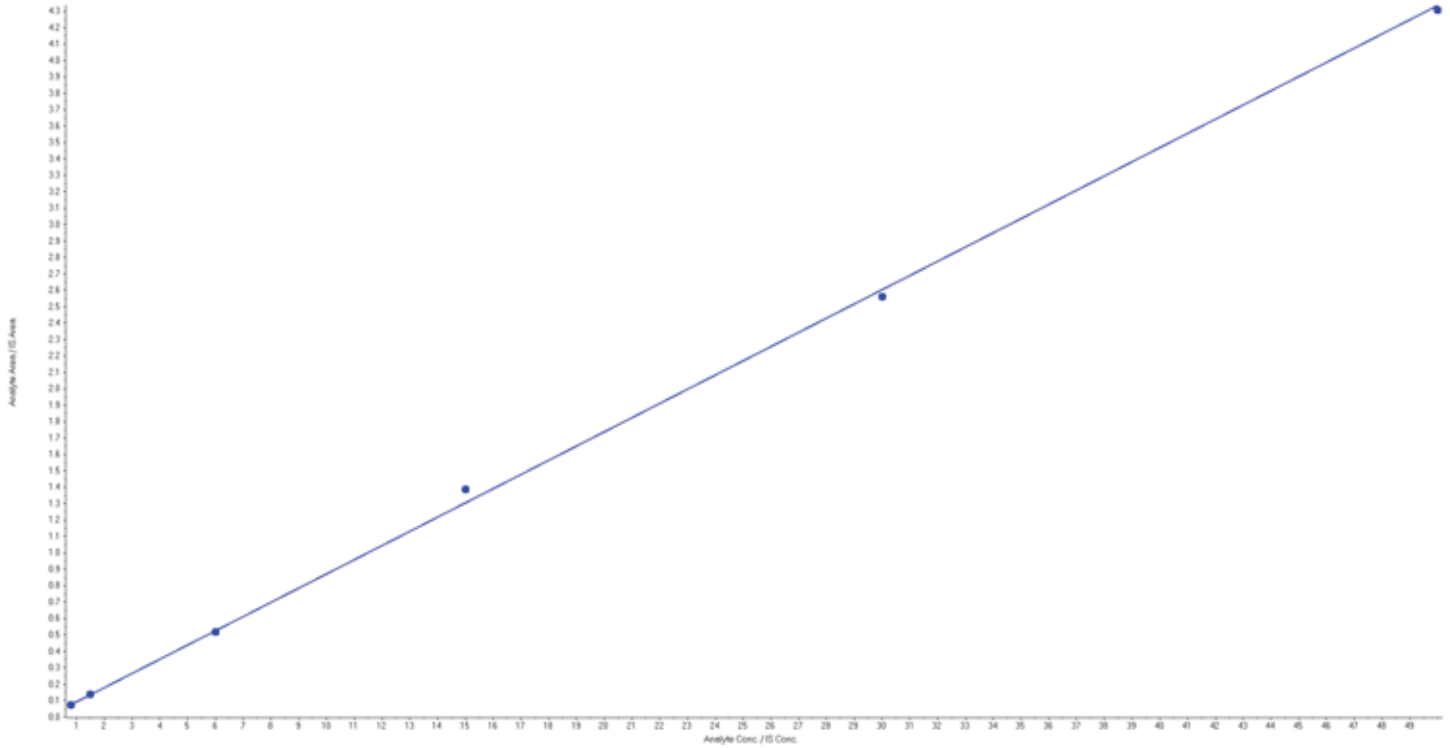


Analyte Name: PFHpA 1
Internal Standard: MPFHpA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.0866 x + 0.00578 (r = 0.9996)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.77	95.8
1.5	1	1.53	101.8
6	1	5.91	98.5
15	1	15.94	106.3
30	1	29.49	98.3
50	1	49.67	99.3

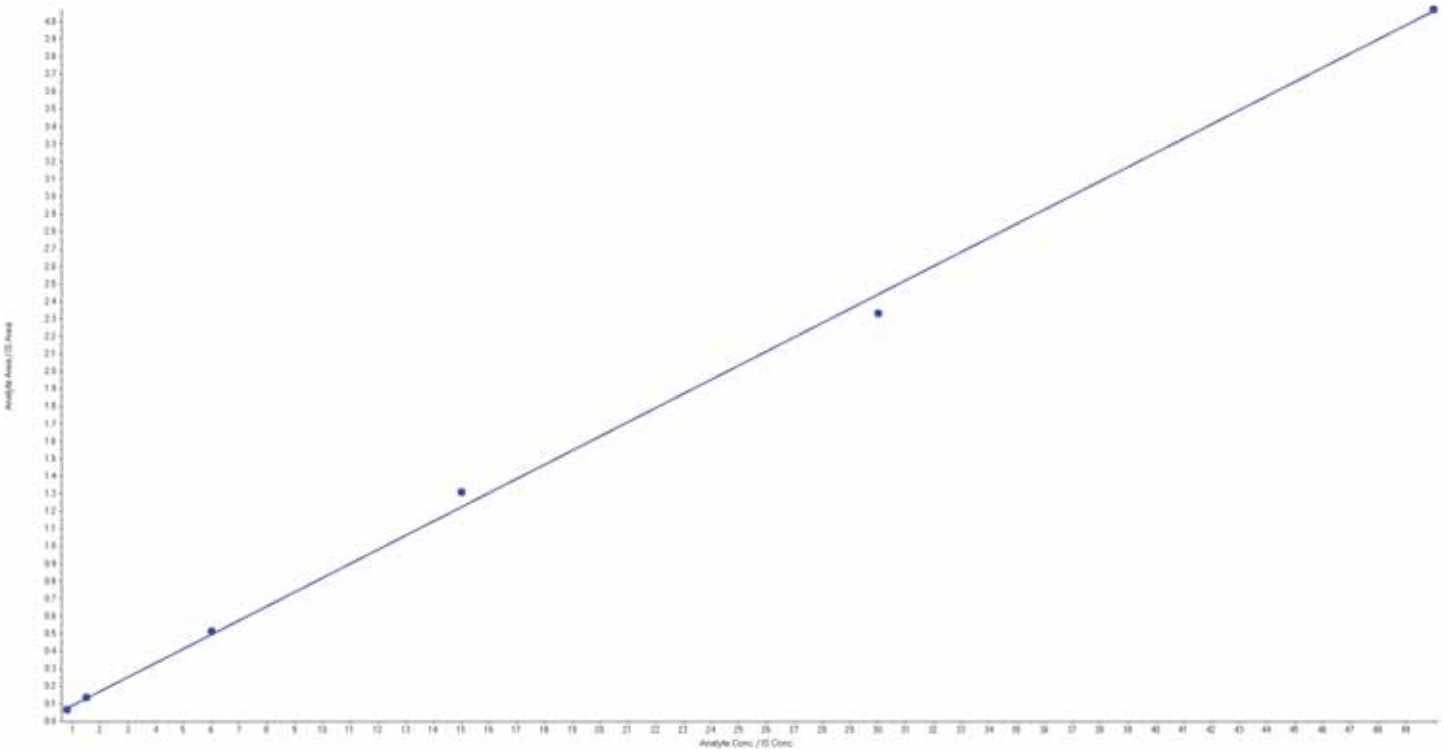


Analyte Name: PFOA 1
Internal Standard: MPFOA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.0811 x + 0.008 (r = 0.9991)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.73	90.7
1.5	1	1.55	103.0
6	1	6.22	103.6
15	1	16.04	106.9
30	1	28.66	95.5
50	1	50.11	100.2

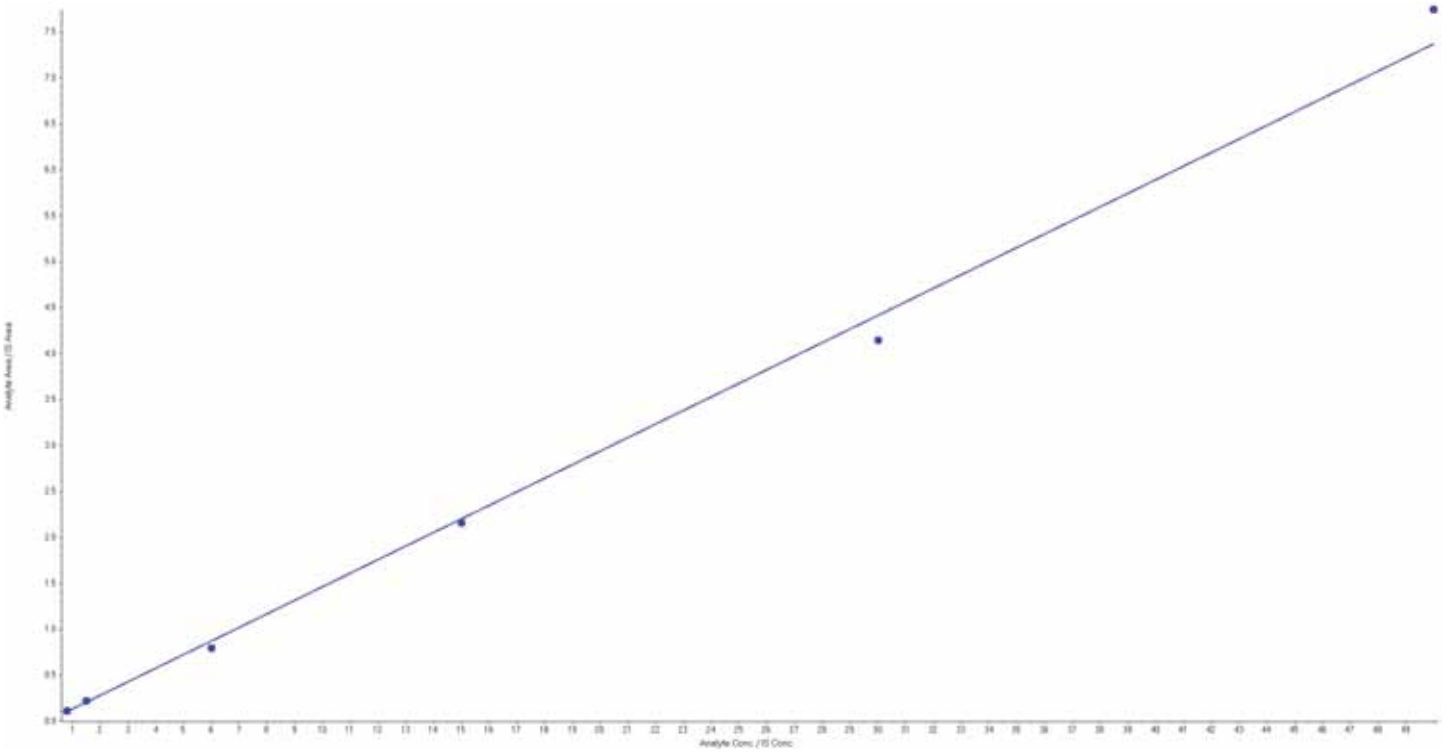


Analyte Name: PFOS 1
Internal Standard: MPFOS

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.148 x + -0.0152 (r = 0.9983)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.84	105.2
1.5	1	1.60	106.8
6	1	5.47	91.2
15	1	14.69	97.9
30	1	28.15	93.8
50	1	52.54	105.1

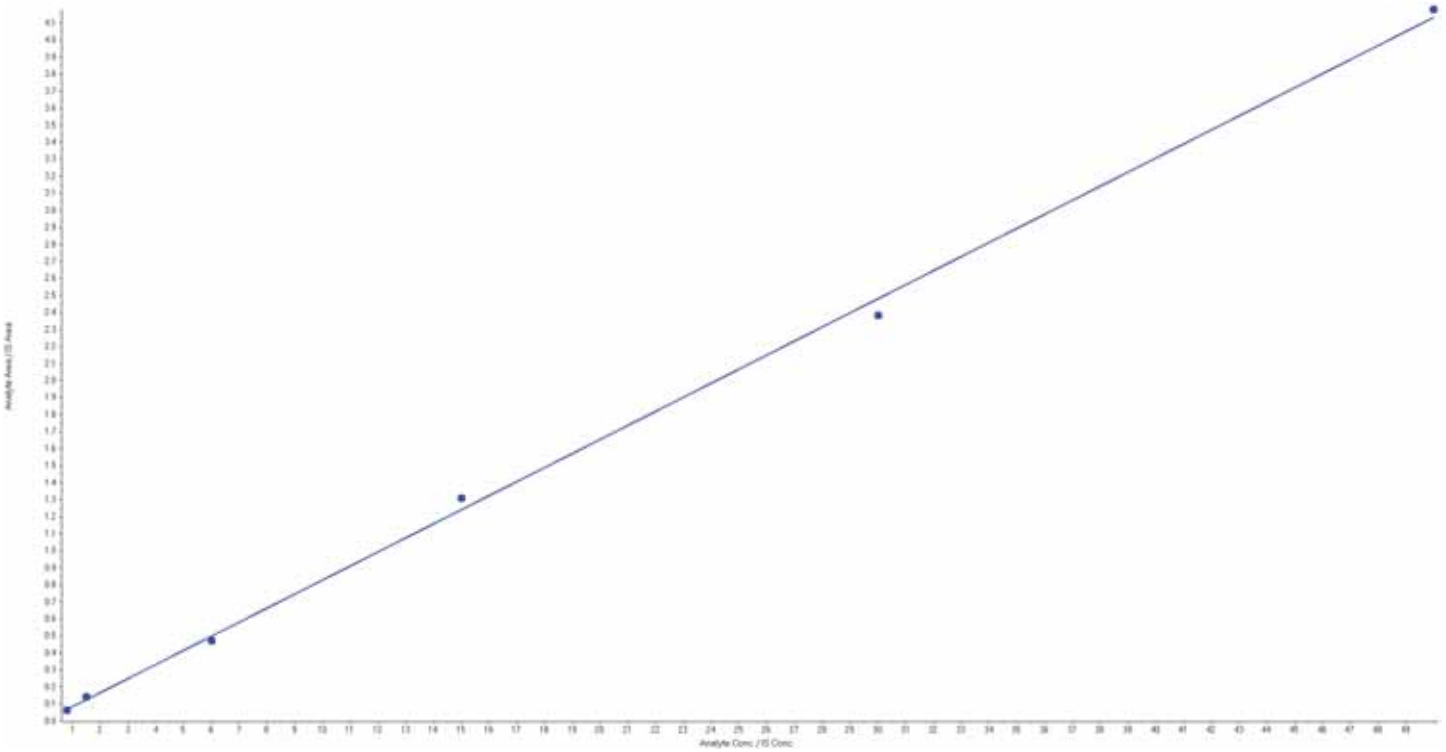


Analyte Name: PFNA 1
Internal Standard: MPFNA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.0826 x + 0.00161 (r = 0.9992)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.73	90.8
1.5	1	1.68	111.9
6	1	5.67	94.6
15	1	15.84	105.6
30	1	28.83	96.1
50	1	50.56	101.1

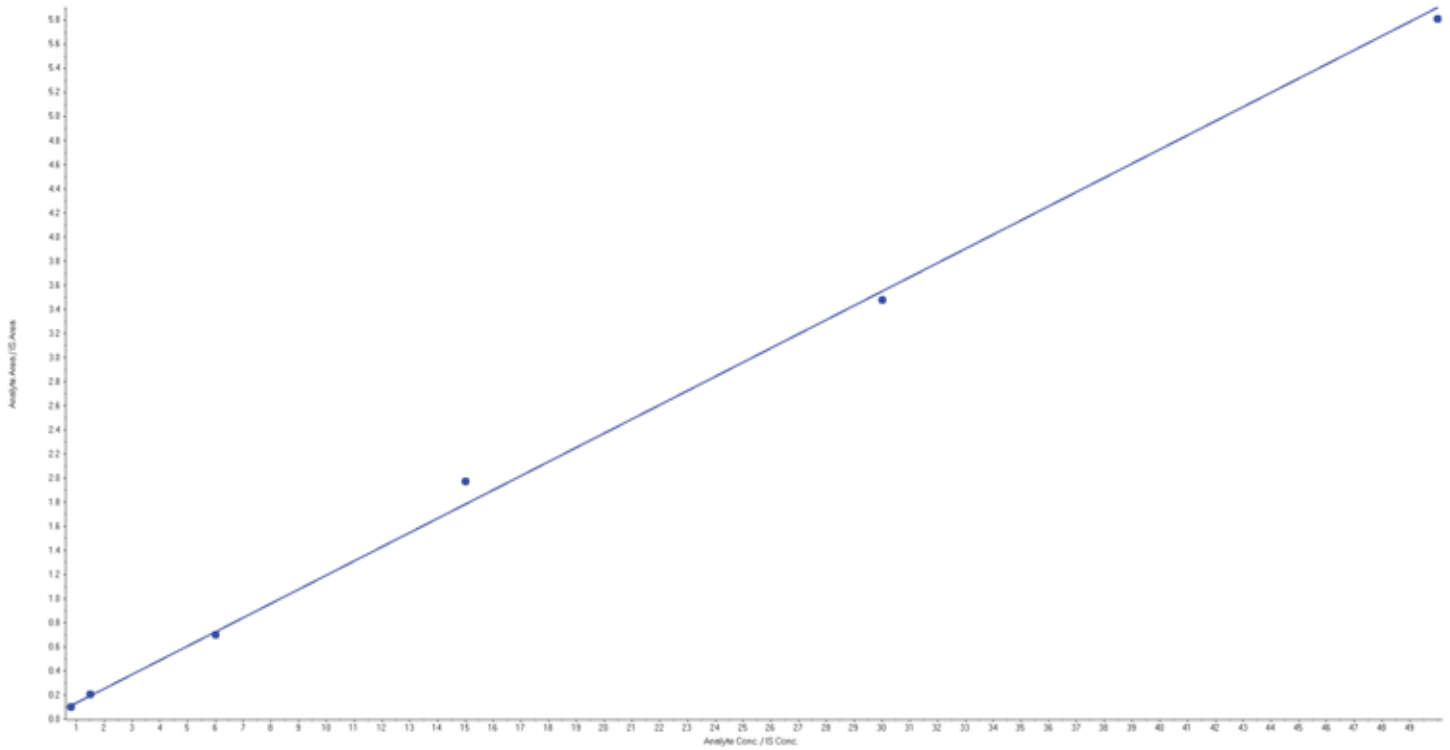


Analyte Name: PFDA 1
Internal Standard: MPFDA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.118 x + 0.0162 (r = 0.9988)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.72	89.9
1.5	1	1.60	106.6
6	1	5.79	96.6
15	1	16.60	110.7
30	1	29.39	98.0
50	1	49.20	98.4

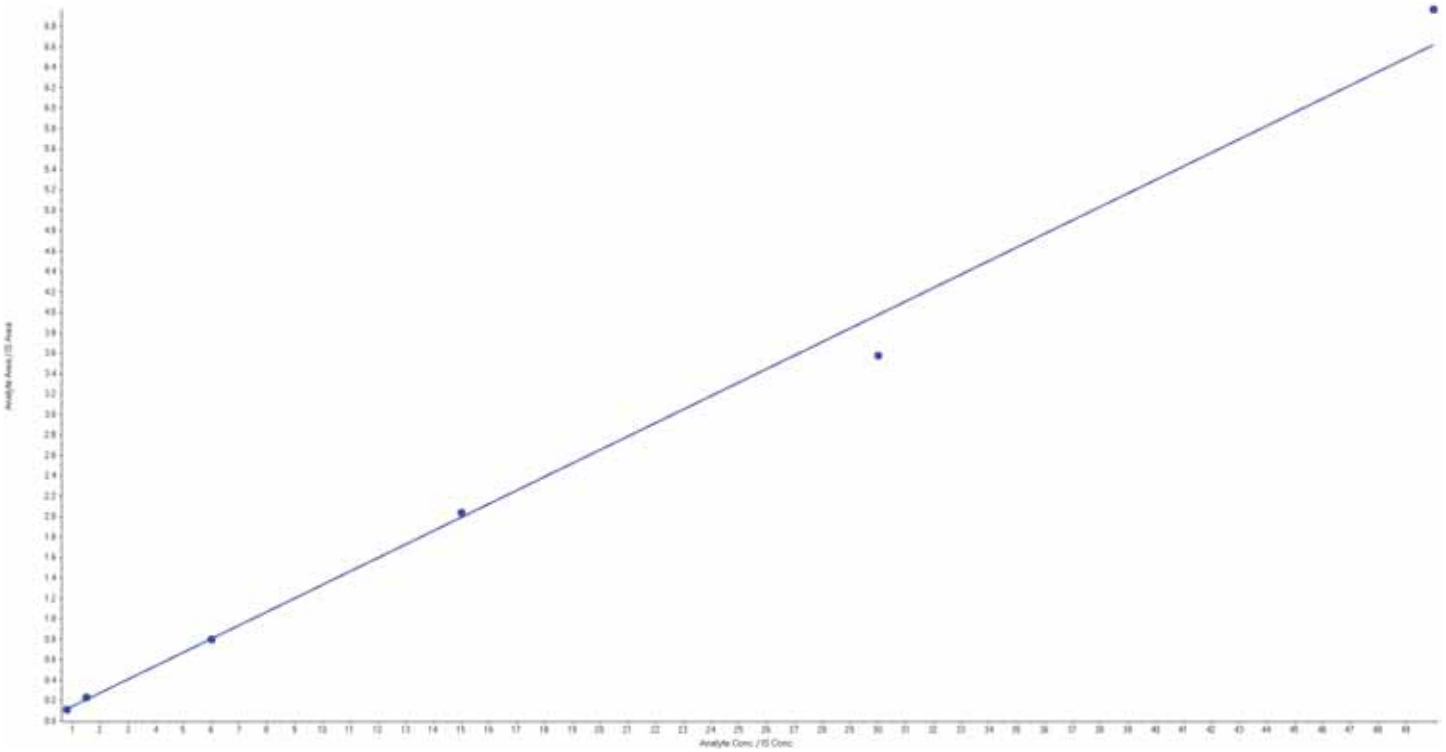


Analyte Name: PFUnA 1
Internal Standard: MPFUnA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.132 x + 0.0124 (r = 0.9973)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.74	93.0
1.5	1	1.65	109.9
6	1	5.98	99.6
15	1	15.34	102.3
30	1	26.98	89.9
50	1	52.61	105.2

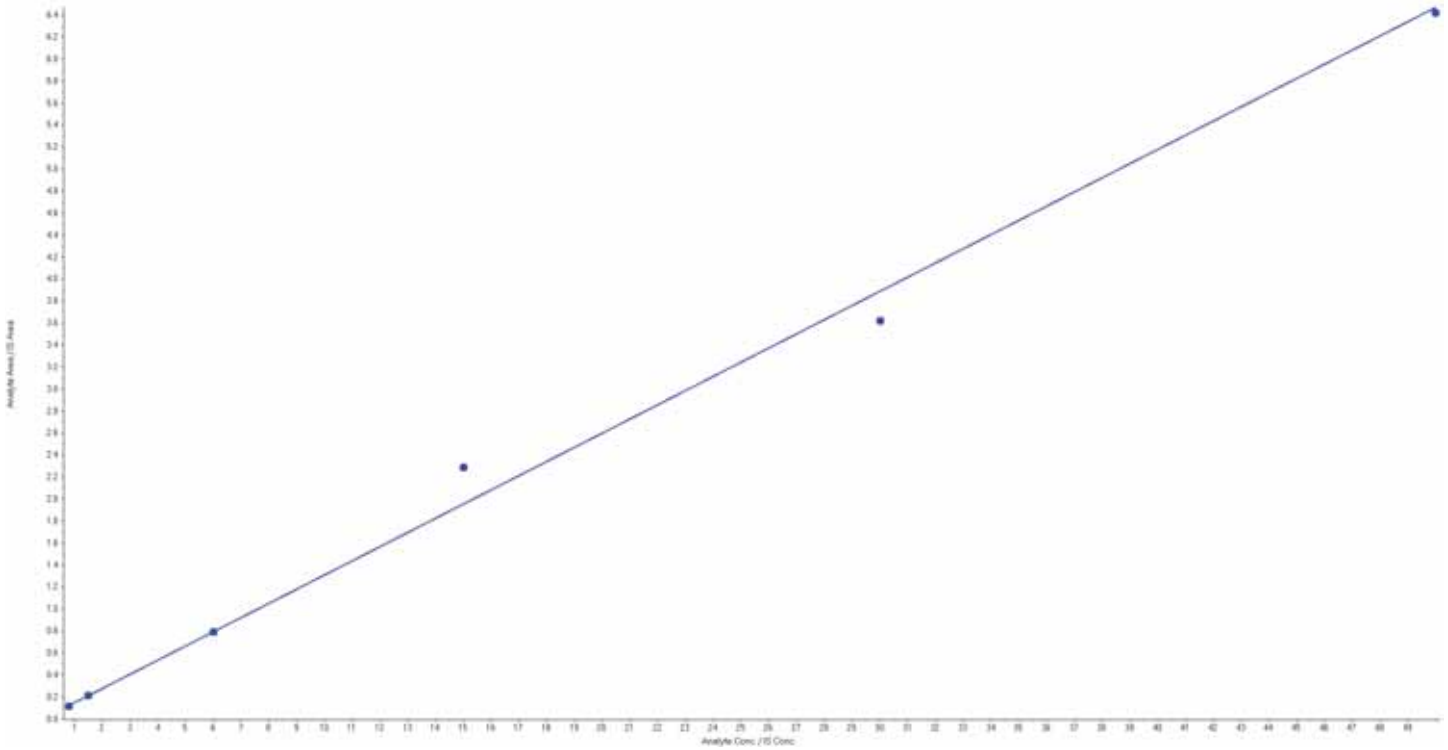


Analyte Name: PFDoA 1
Internal Standard: MPFDoA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.129 x + 0.0196 (r = 0.9966)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.72	90.2
1.5	1	1.51	100.8
6	1	5.98	99.7
15	1	17.57	117.1
30	1	27.90	93.0
50	1	49.62	99.2

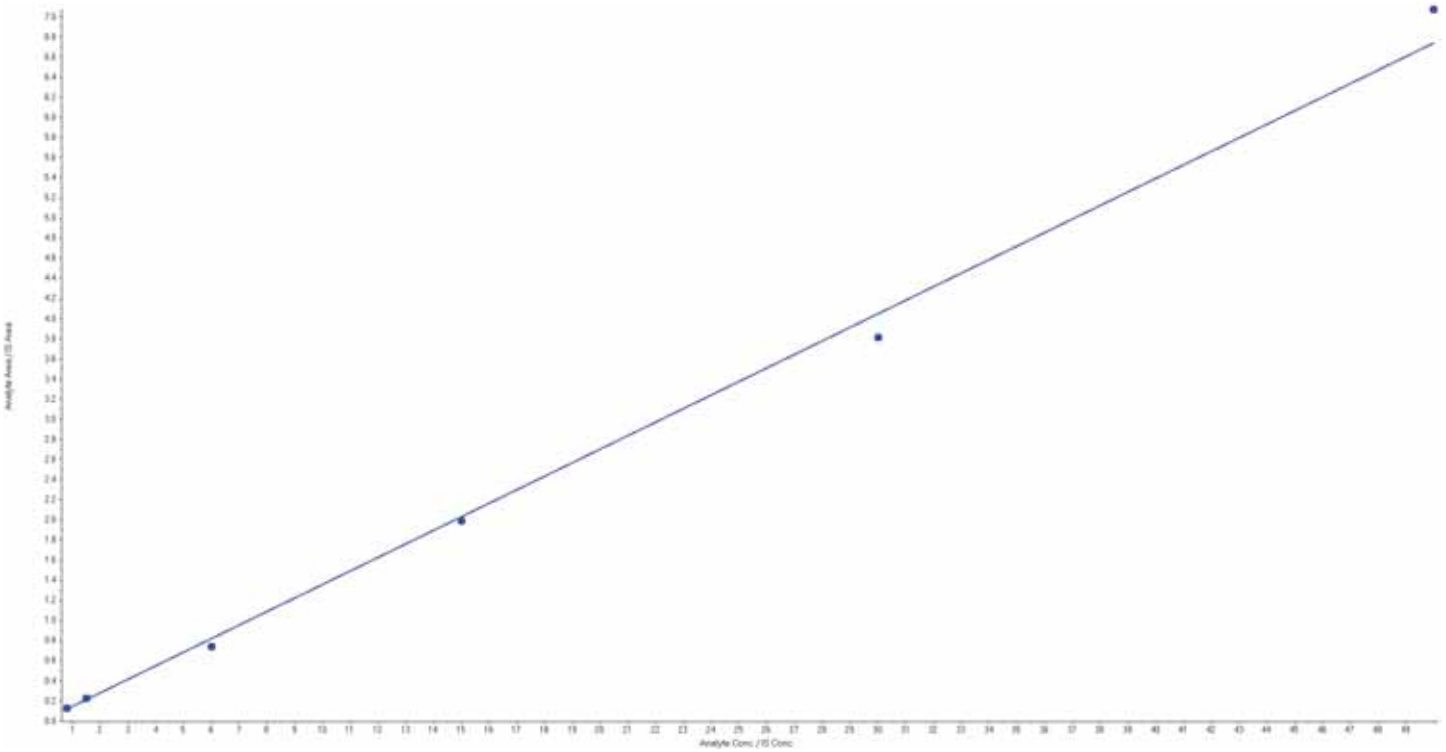


Analyte Name: PFTrDA 1
Internal Standard: MPFTeDA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.135 x + 0.0119 (r = 0.9983)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.84	104.8
1.5	1	1.62	107.8
6	1	5.42	90.3
15	1	14.69	97.9
30	1	28.26	94.2
50	1	52.48	105.0

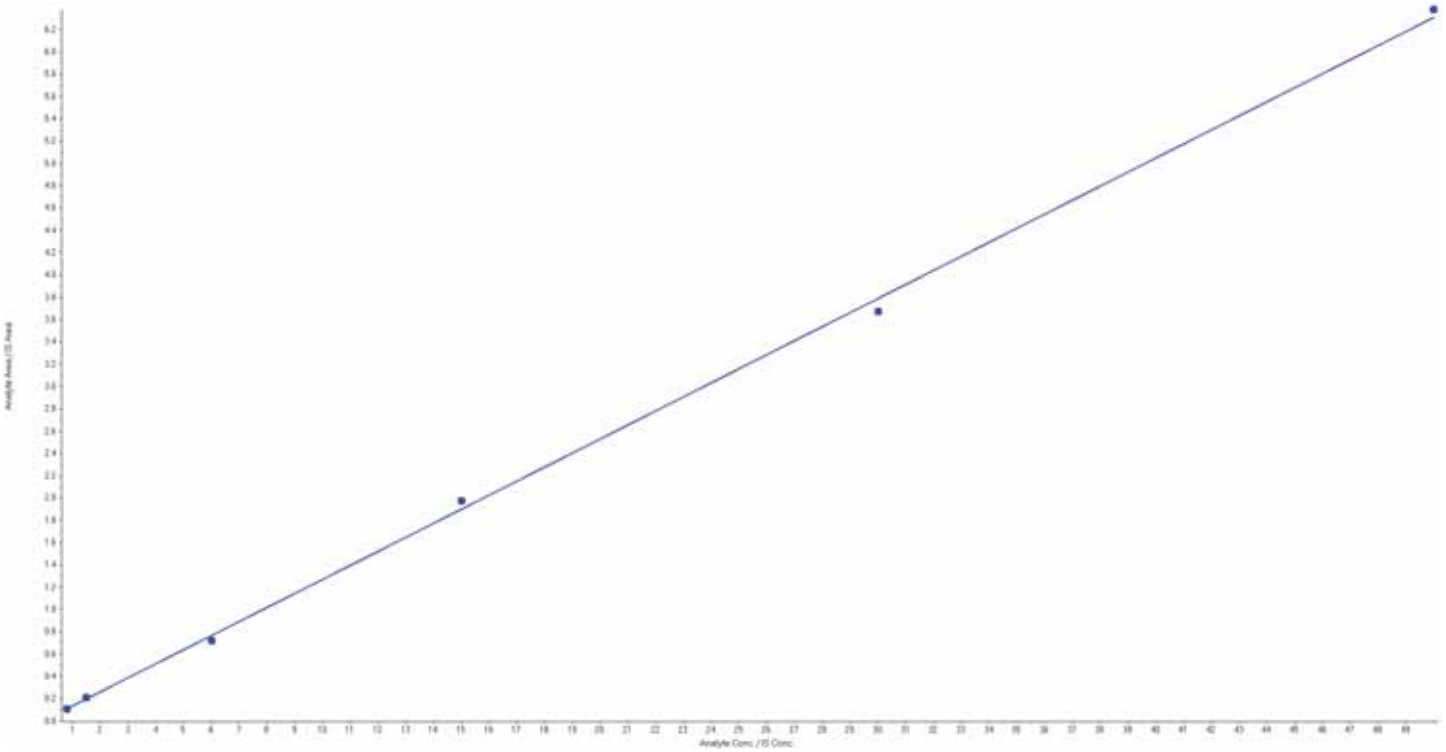


Analyte Name: PFTeDA 1
Internal Standard: MPFTeDA

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.126 x + 0.0096 (r = 0.9995)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.78	98.0
1.5	1	1.59	105.7
6	1	5.65	94.1
15	1	15.62	104.1
30	1	29.10	97.0
50	1	50.57	101.1

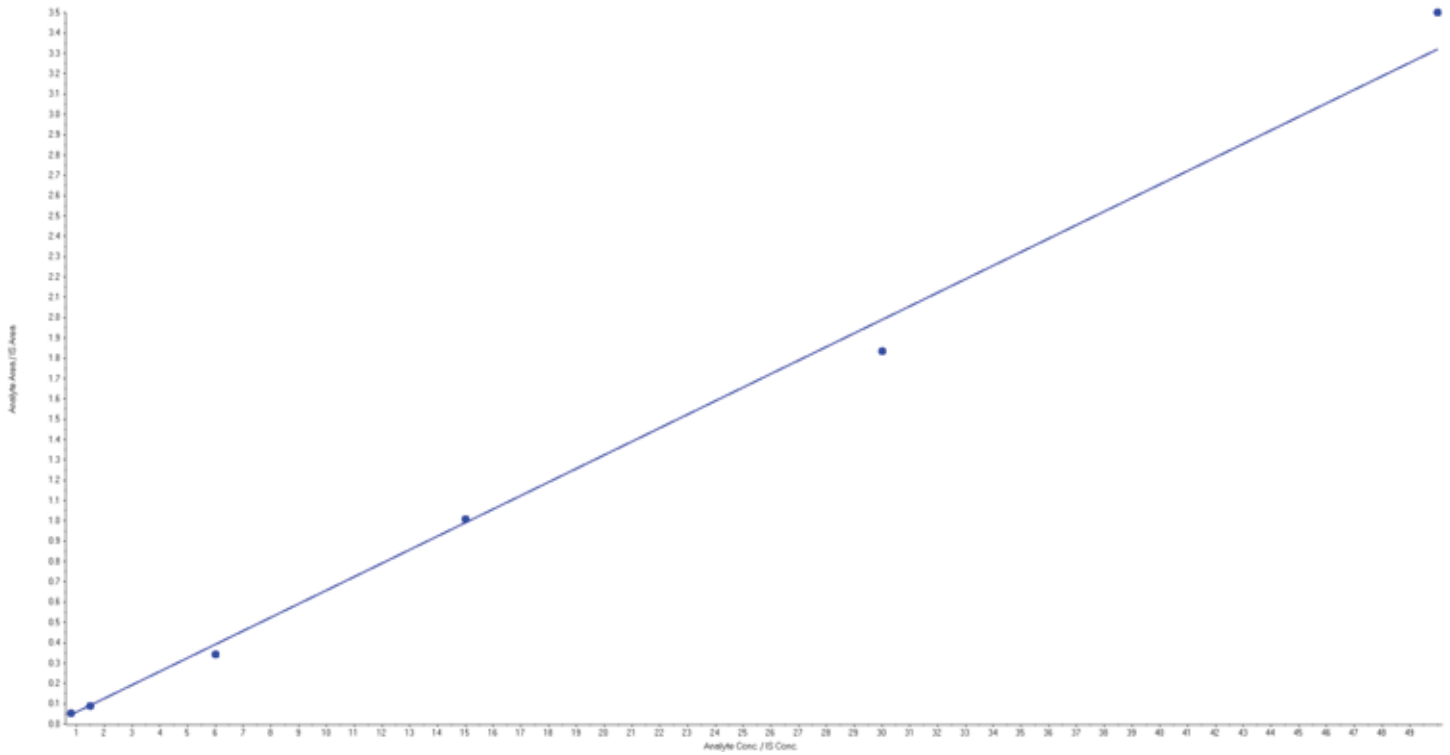


Analyte Name: 6:2-FTS 1
Internal Standard: M2 6:2 FTS

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.0666 x + -0.00744 (r = 0.9975)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.93	115.9
1.5	1	1.45	96.7
6	1	5.28	88.0
15	1	15.25	101.7
30	1	27.68	92.3
50	1	52.71	105.4

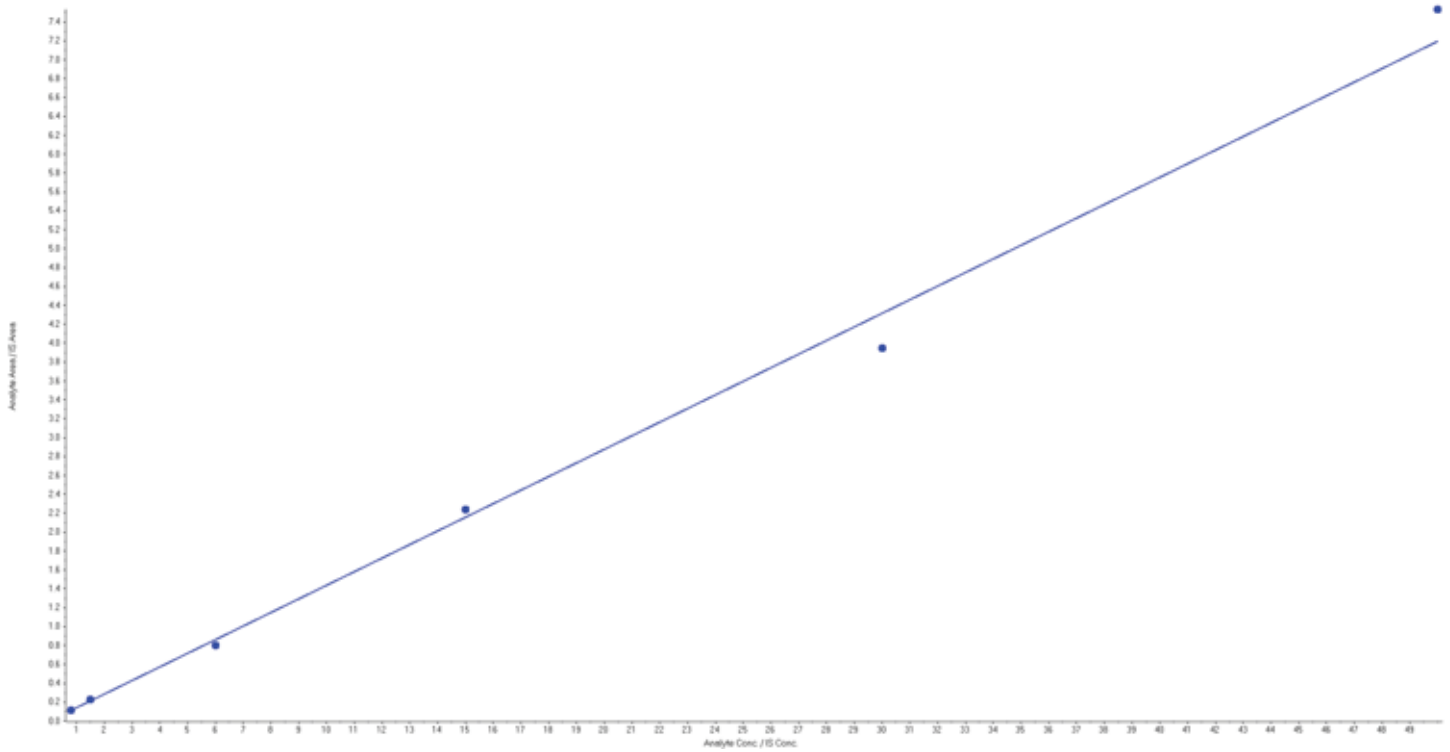


Analyte Name: 8:2-FTS 1
Internal Standard: M2 8:2 FTS

Data File	PFC_170227\WS#4871838.wiff	**Result Table**	PFC_Water_170227_4871838_High_CTLabs.rdb
Acquisition Date	2017/02/27 3:07:07 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.144 x + -0.00278 (r = 0.9978)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.82	102.5
1.5	1	1.57	104.9
6	1	5.56	92.7
15	1	15.56	103.7
30	1	27.44	91.5
50	1	52.34	104.7

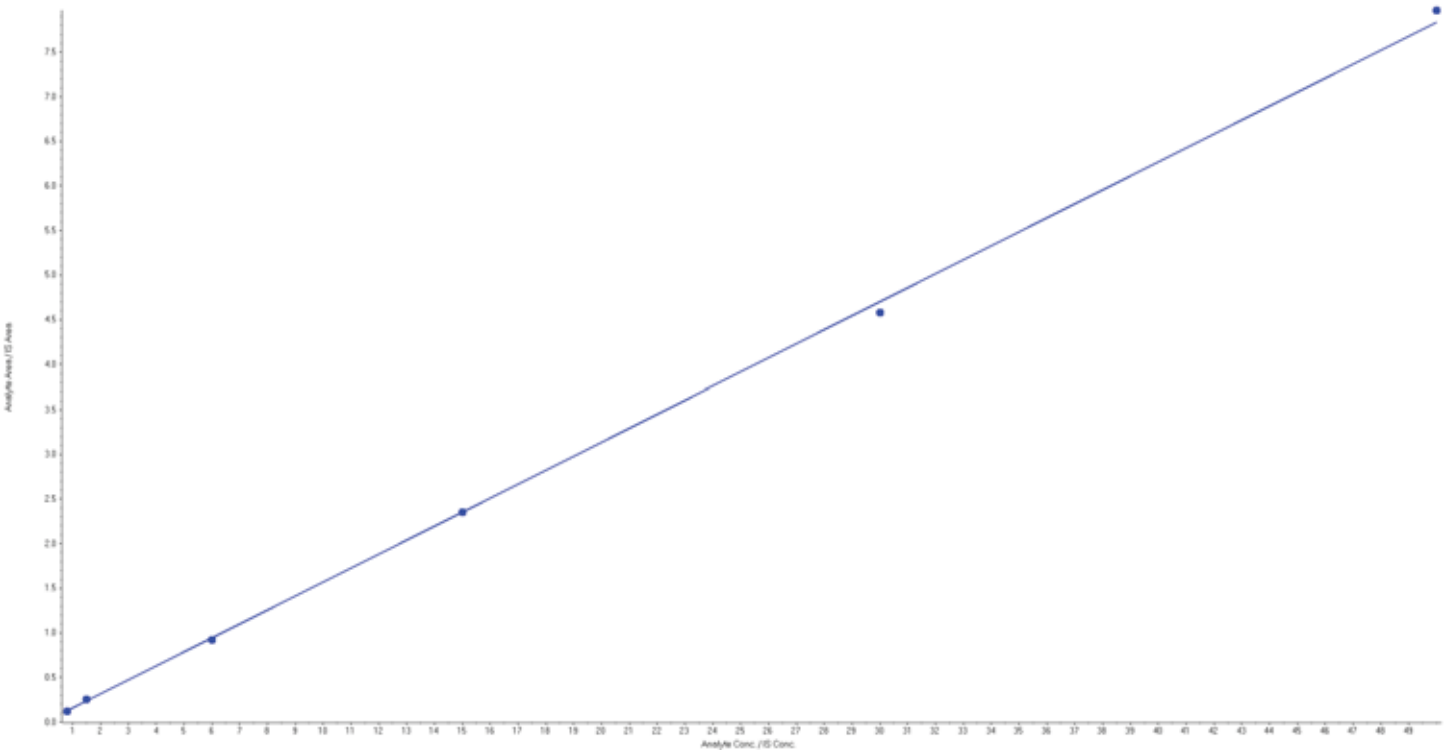


Analyte Name: MeFOSAA 1
Internal Standard: D3-MeFOSAA IS

Data File	PFC_170227\WS#4871838_FOSAA.wiff	**Result Table**	PFC_Water_170227_4871838_High_FOSAA.rdb
Acquisition Date	2017/02/27 8:41:24 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.157 x + 0.00302 (r = 0.9997)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.76	95.2
1.5	1	1.62	108.0
6	1	5.86	97.7
15	1	15.03	100.2
30	1	29.19	97.3
50	1	50.84	101.7

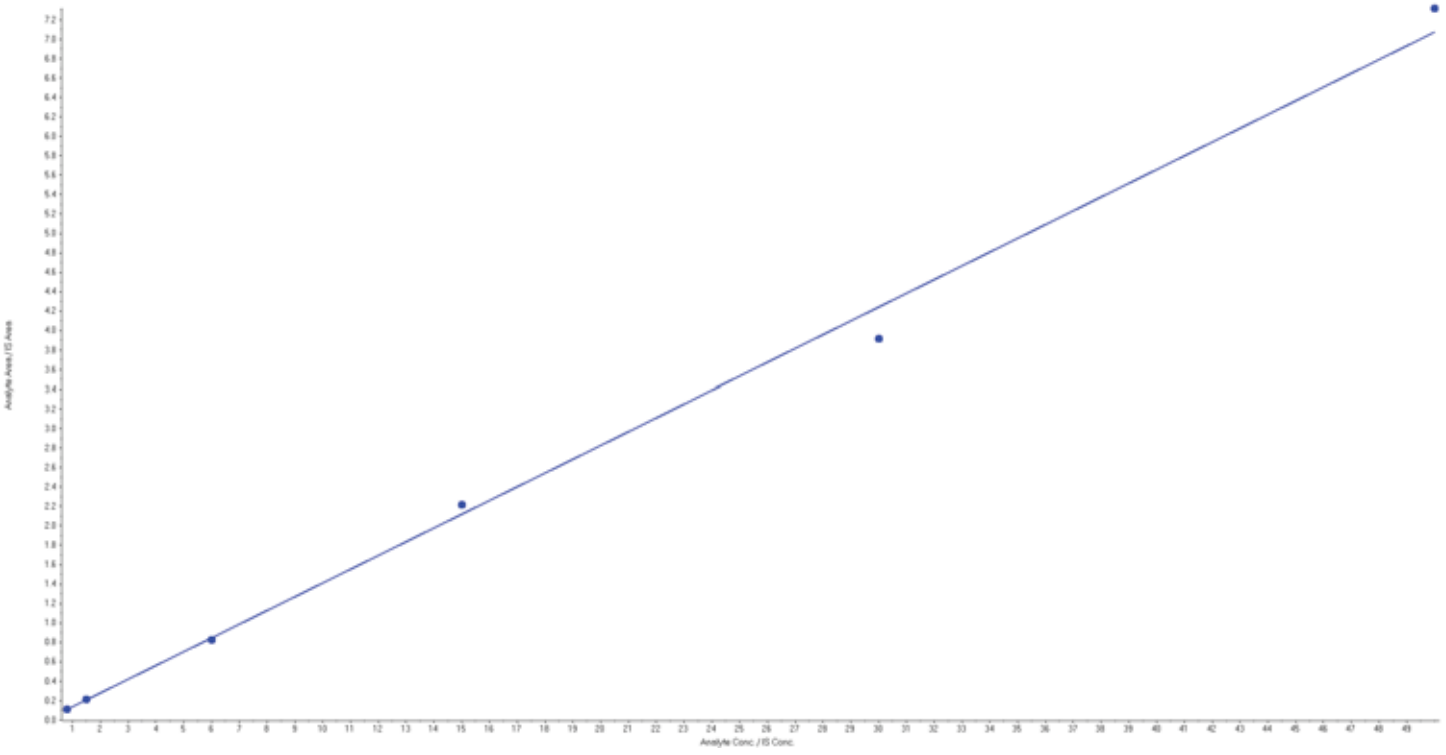


Analyte Name: EtFOSAA 1
Internal Standard: D5-EtFOSAA IS

Data File	PFC_170227\WS#4871838_FOSAA.wiff	**Result Table**	PFC_Water_170227_4871838_High_FOSAA.rdb
Acquisition Date	2017/02/27 8:41:24 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.142 x + -0.00429 (r = 0.9984)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.8	1	0.80	100.5
1.5	1	1.52	101.2
6	1	5.88	98.0
15	1	15.69	104.6
30	1	27.69	92.3
50	1	51.72	103.4



Maxxam
A Bureau Veritas Group Company

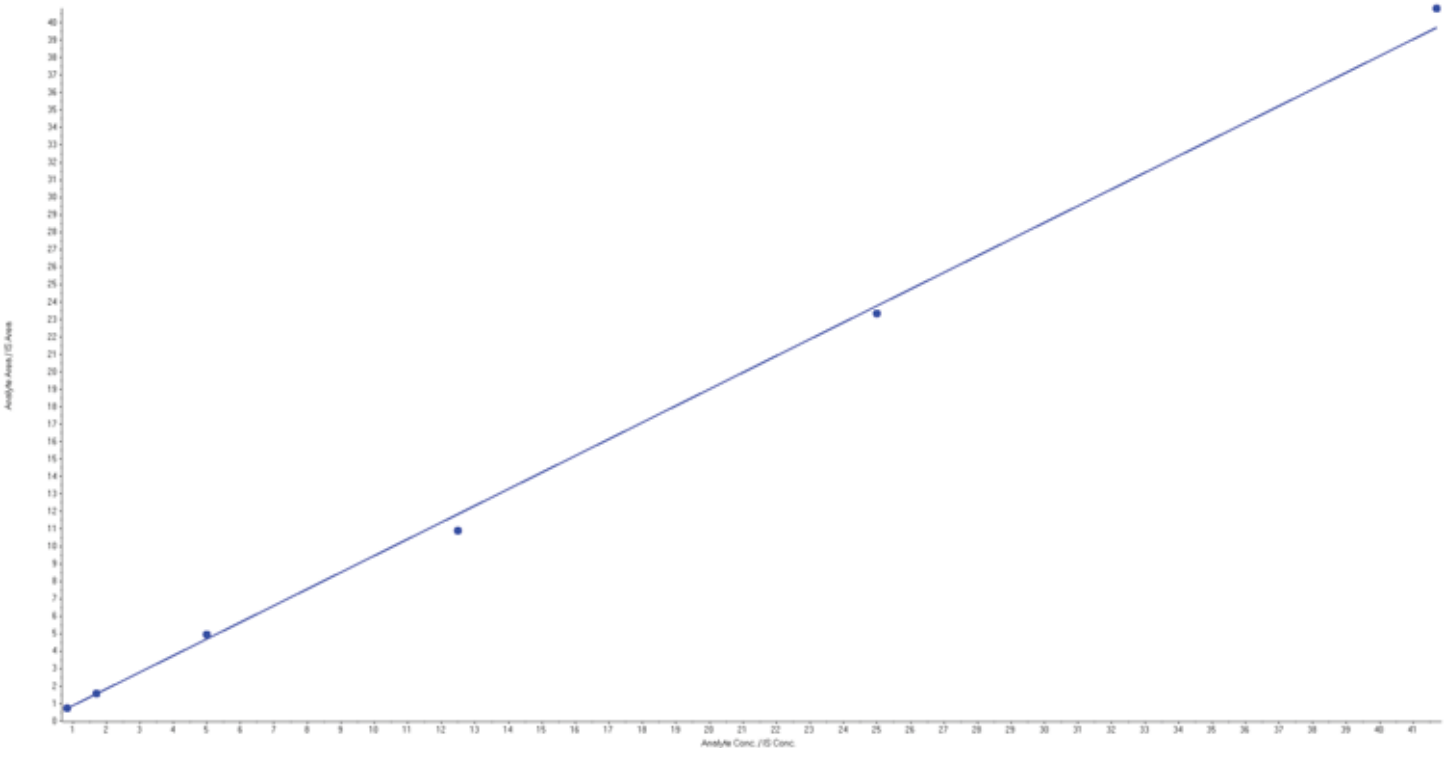
Created with Analyst Reporter
Printed: 15/03/2017 10:26:12 AM

Analyte Name: PFBS 1
Internal Standard: MPFHxS

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.954 x + -0.0723 (r = 0.9990)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.84	101.1
1.7	1	1.71	100.4
5	1	5.27	105.5
12.5	1	11.51	92.1
25	1	24.55	98.2
41.7	1	42.85	102.8

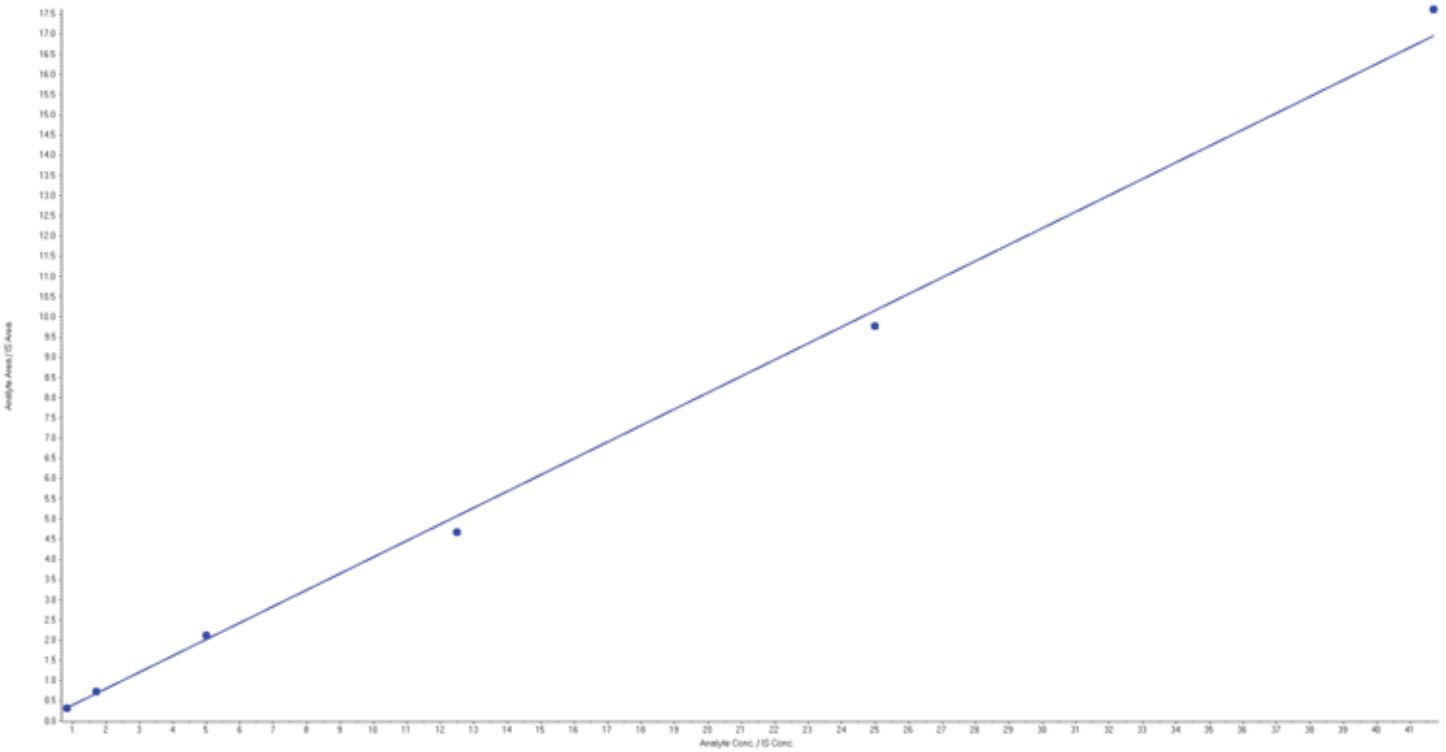


Analyte Name: PFHxA 1
Internal Standard: MPFHxA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.407 x + -0.0114 (r = 0.9986)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.80	96.2
1.7	1	1.81	106.5
5	1	5.26	105.1
12.5	1	11.51	92.1
25	1	24.05	96.2
41.7	1	43.30	103.8

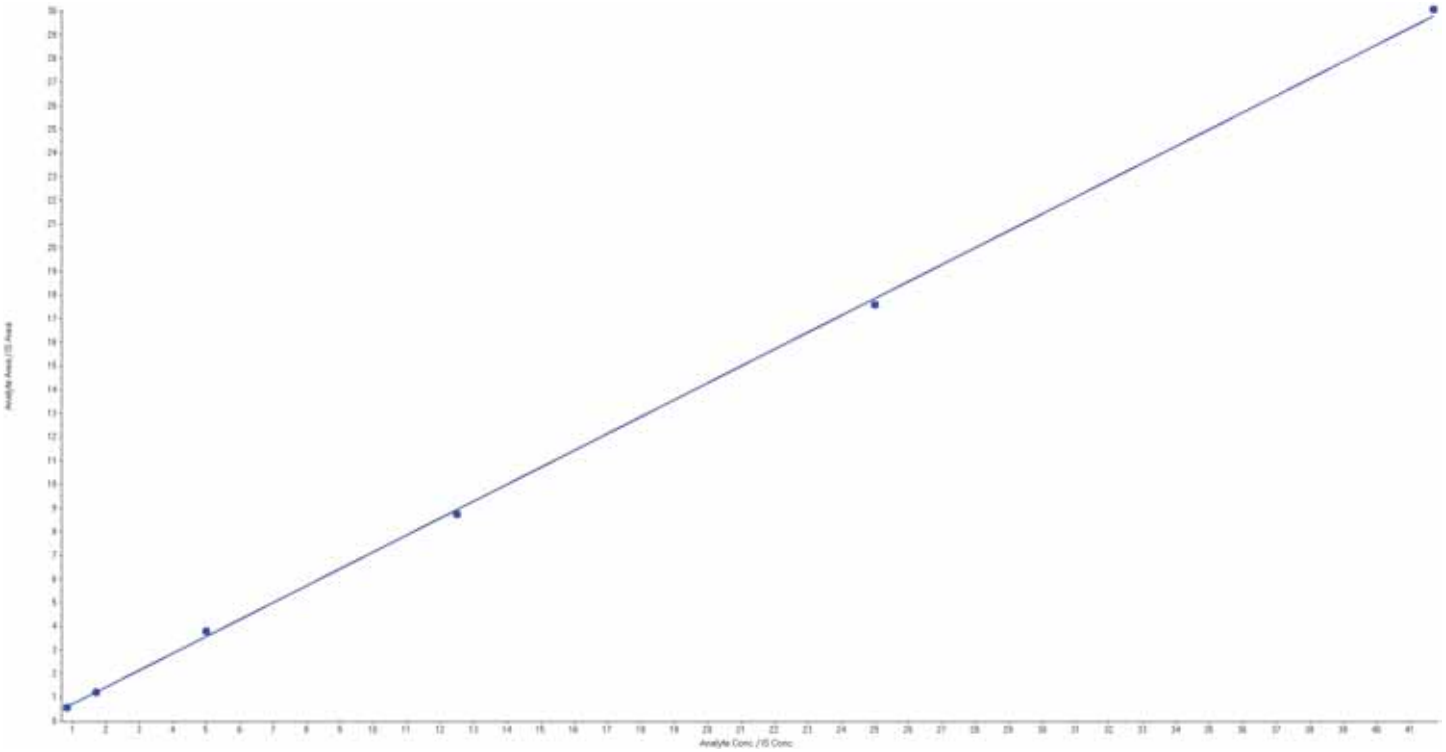


Analyte Name: PFHxS 1
Internal Standard: MPFHxS

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.714 x + 0.00482 (r = 0.9998)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.80	96.9
1.7	1	1.70	100.2
5	1	5.29	105.8
12.5	1	12.21	97.7
25	1	24.64	98.5
41.7	1	42.09	100.9

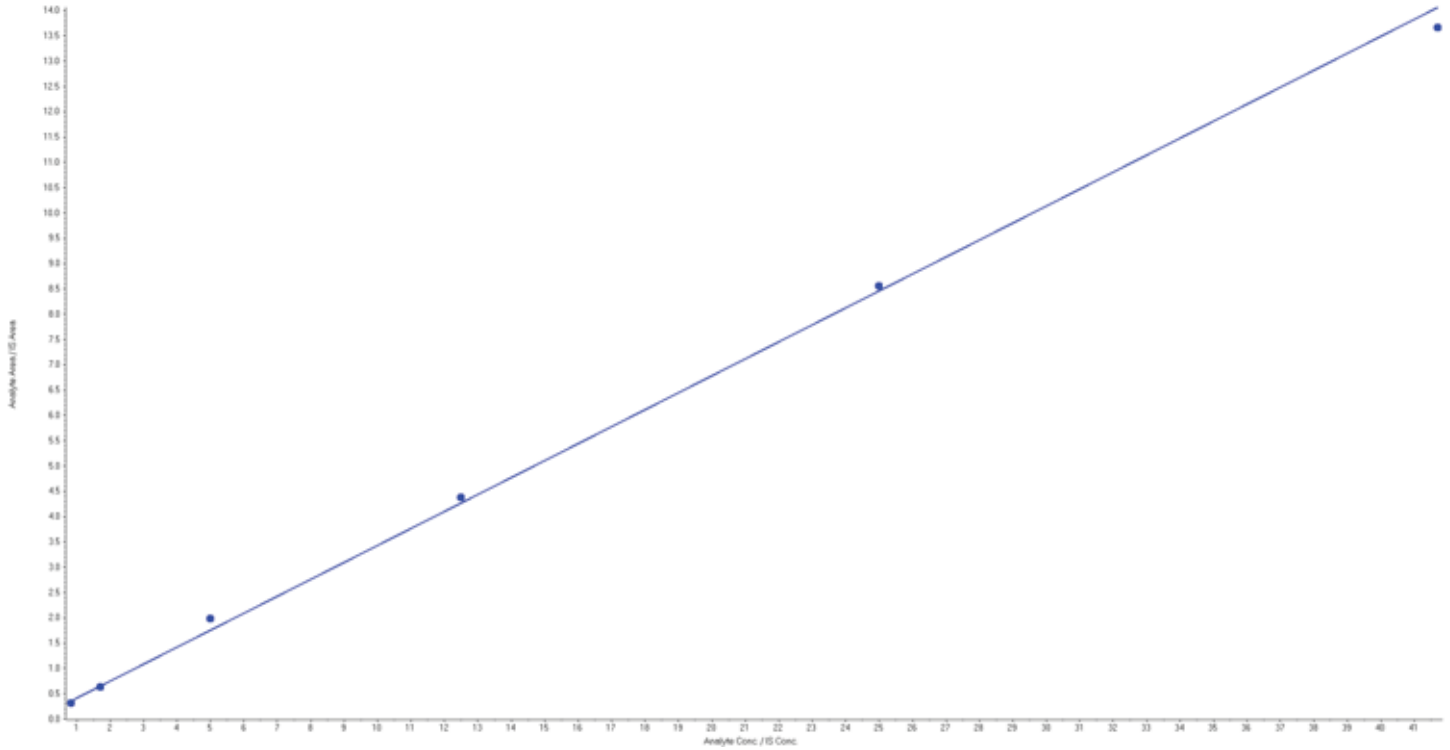


Analyte Name: PFHpA 1
Internal Standard: MPFHpA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.335 x + 0.0773 (r = 0.9989)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.72	86.5
1.7	1	1.68	98.6
5	1	5.70	114.0
12.5	1	12.82	102.6
25	1	25.31	101.2
41.7	1	40.51	97.1

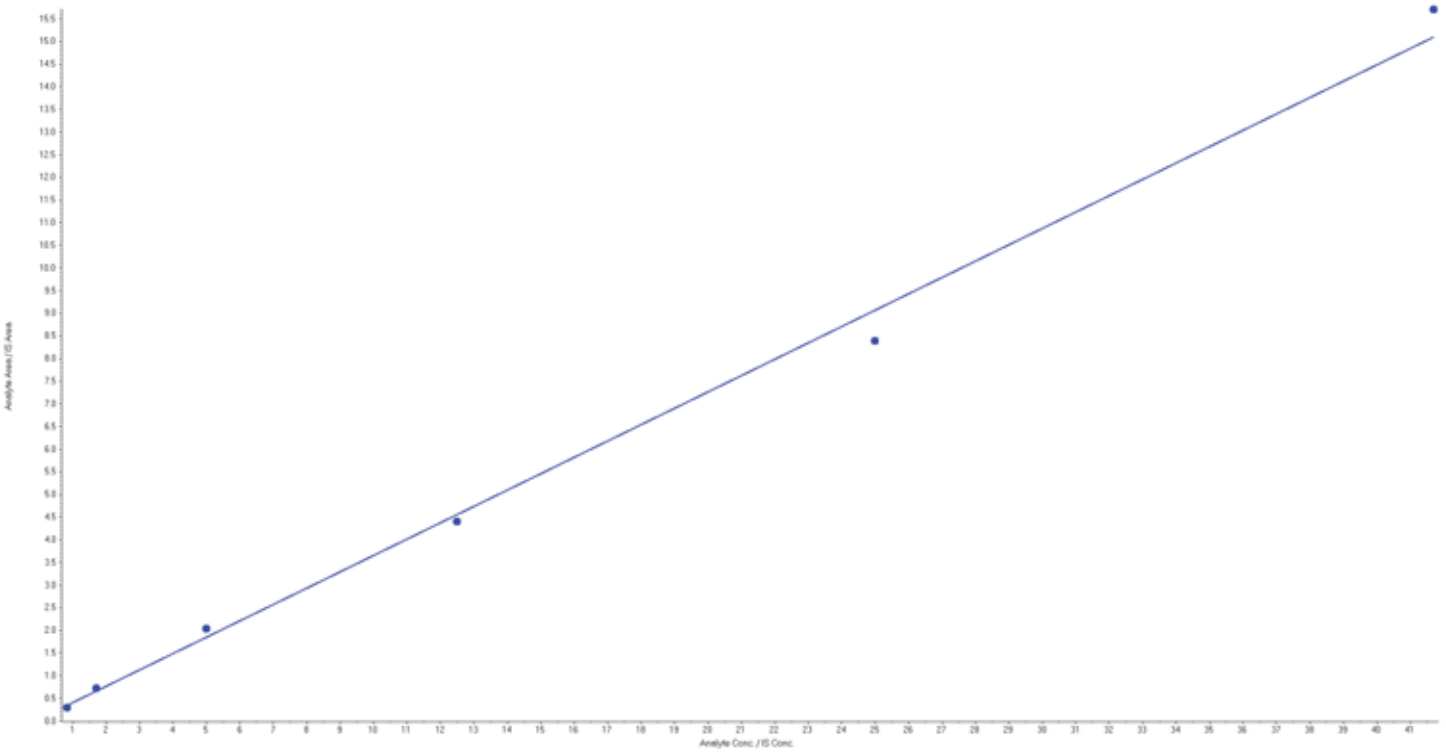


Analyte Name: PFOA 1
Internal Standard: MPFOA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.361 x + 0.0451 (r = 0.9978)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.71	85.4
1.7	1	1.88	110.6
5	1	5.53	110.7
12.5	1	12.09	96.7
25	1	23.13	92.5
41.7	1	43.39	104.0

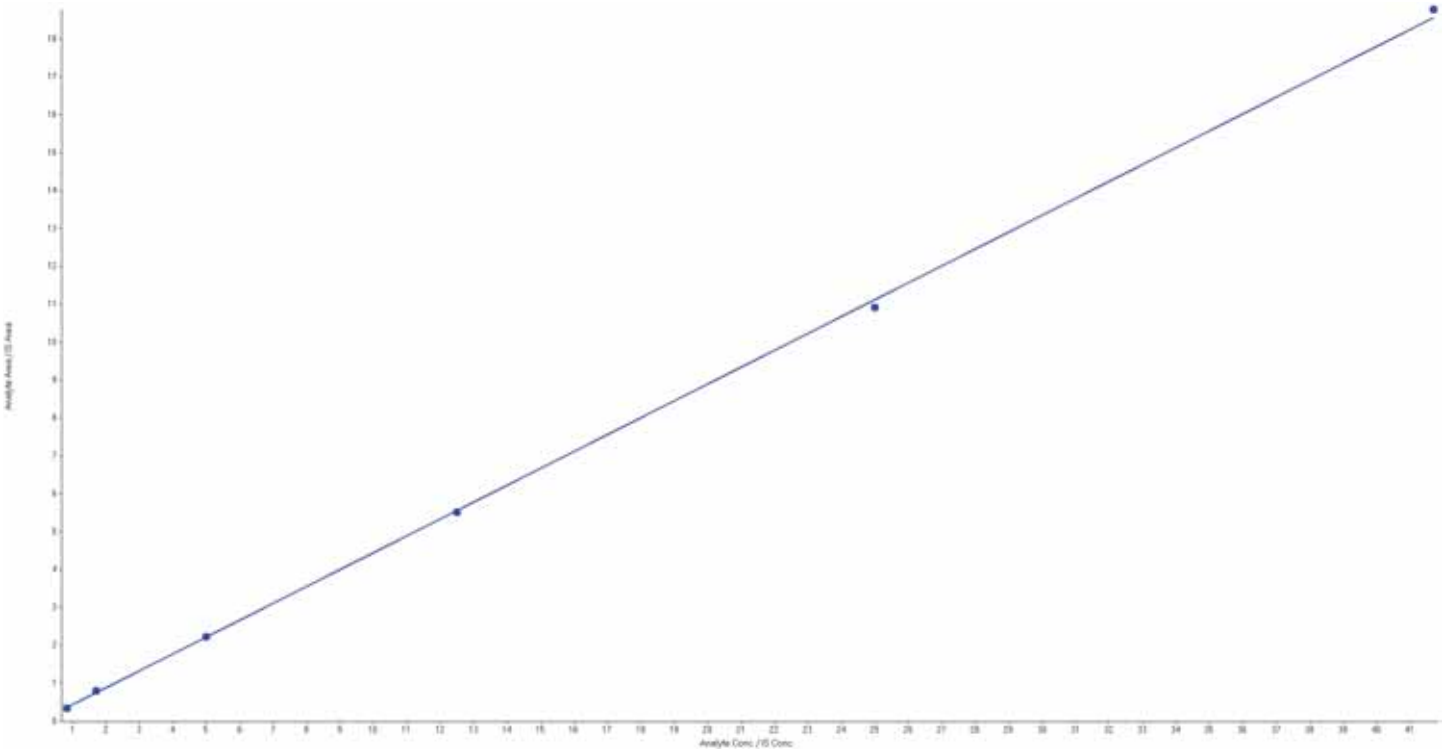


Analyte Name: PFOS 1
Internal Standard: MPFOS

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.445 x + -0.00984 (r = 0.9998)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.78	94.3
1.7	1	1.81	106.7
5	1	5.03	100.6
12.5	1	12.38	99.0
25	1	24.54	98.2
41.7	1	42.18	101.2

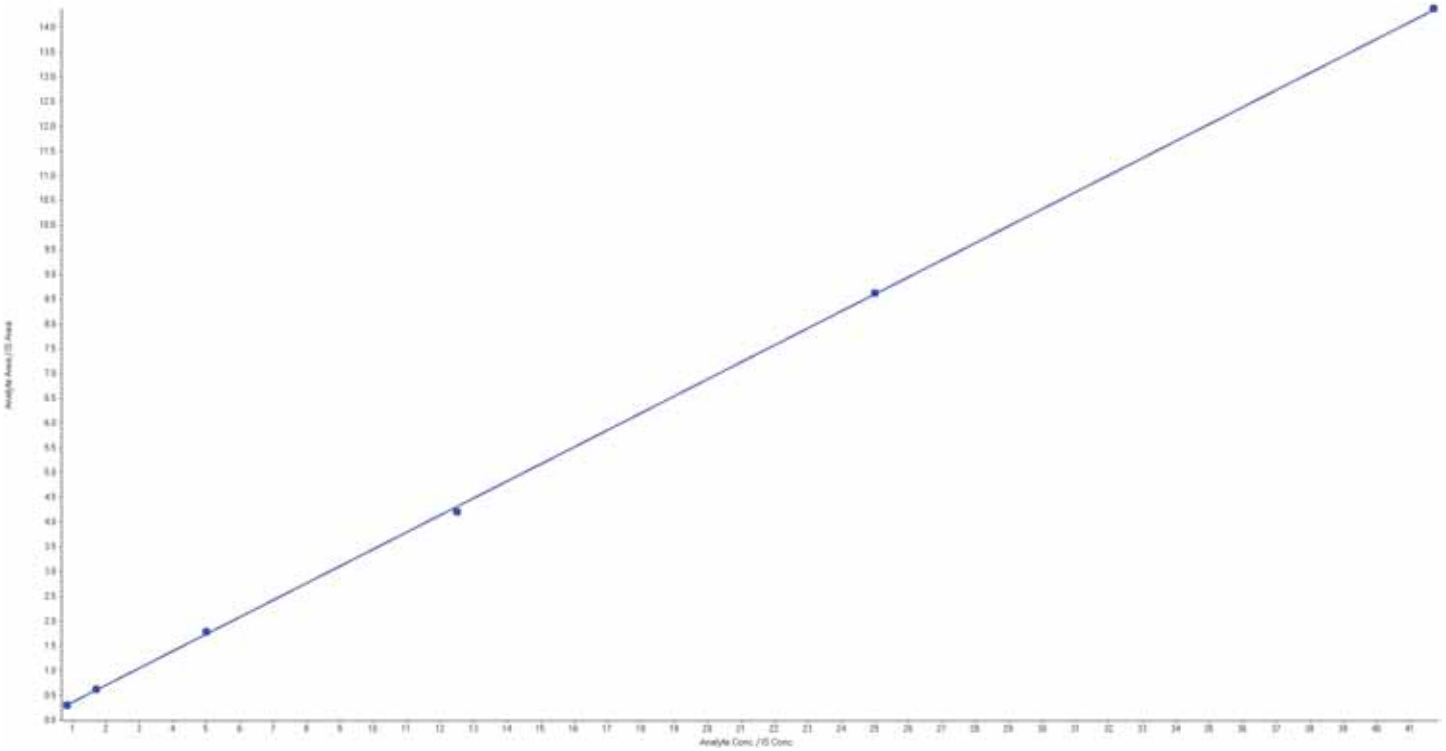


Analyte Name: PFNA 1
Internal Standard: MPFNA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.344 x + 0.0189 (r = 0.9999)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.80	96.6
1.7	1	1.74	102.4
5	1	5.15	103.0
12.5	1	12.19	97.5
25	1	25.05	100.2
41.7	1	41.79	100.2

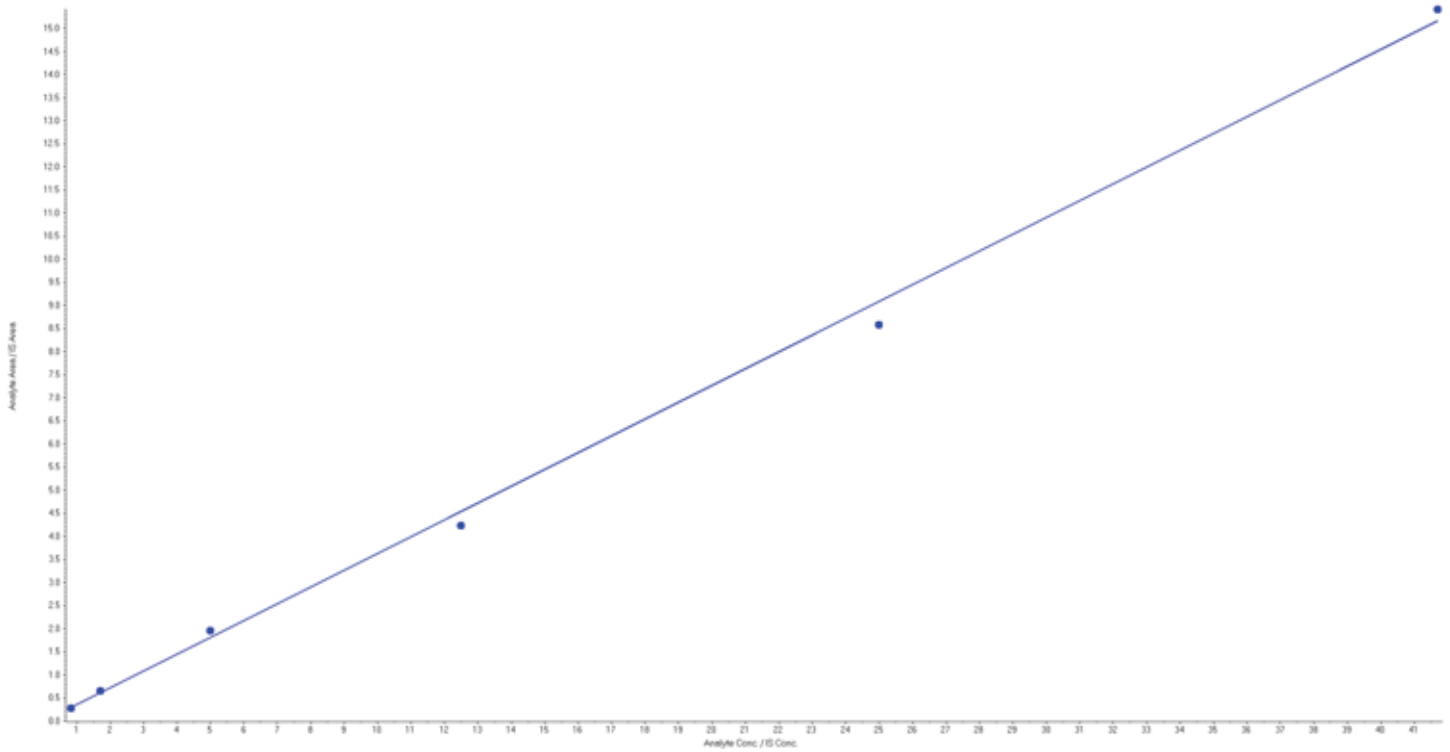


Analyte Name: PFDA 1
Internal Standard: MPFDA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.364 x + -0.00906 (r = 0.9972)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.80	96.3
1.7	1	1.80	106.1
5	1	5.41	108.3
12.5	1	11.67	93.4
25	1	23.60	94.4
41.7	1	42.38	101.6

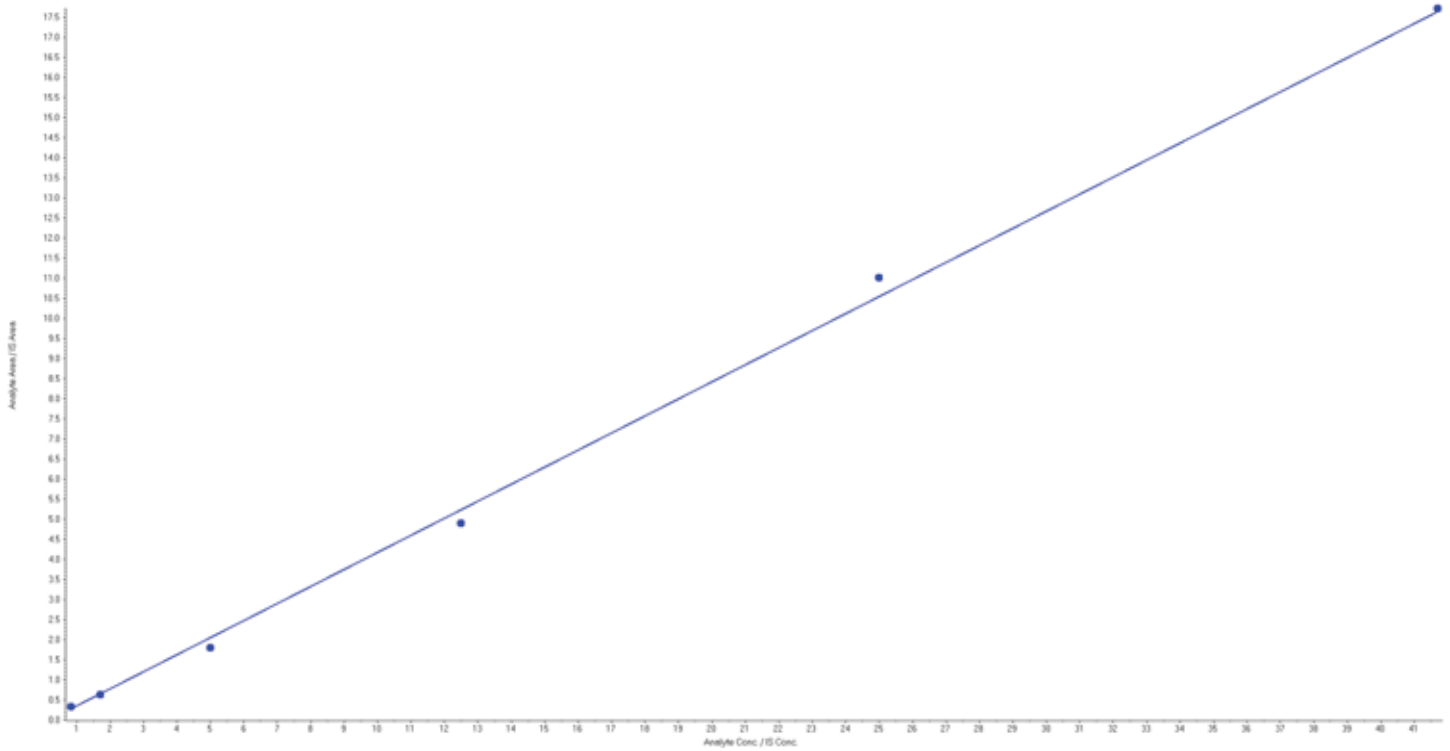


Analyte Name: PFUnA 1
Internal Standard: MPFUnA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.425 x + -0.0724 (r = 0.9986)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.96	116.0
1.7	1	1.66	97.7
5	1	4.39	87.8
12.5	1	11.70	93.6
25	1	26.13	104.5
41.7	1	41.89	100.5

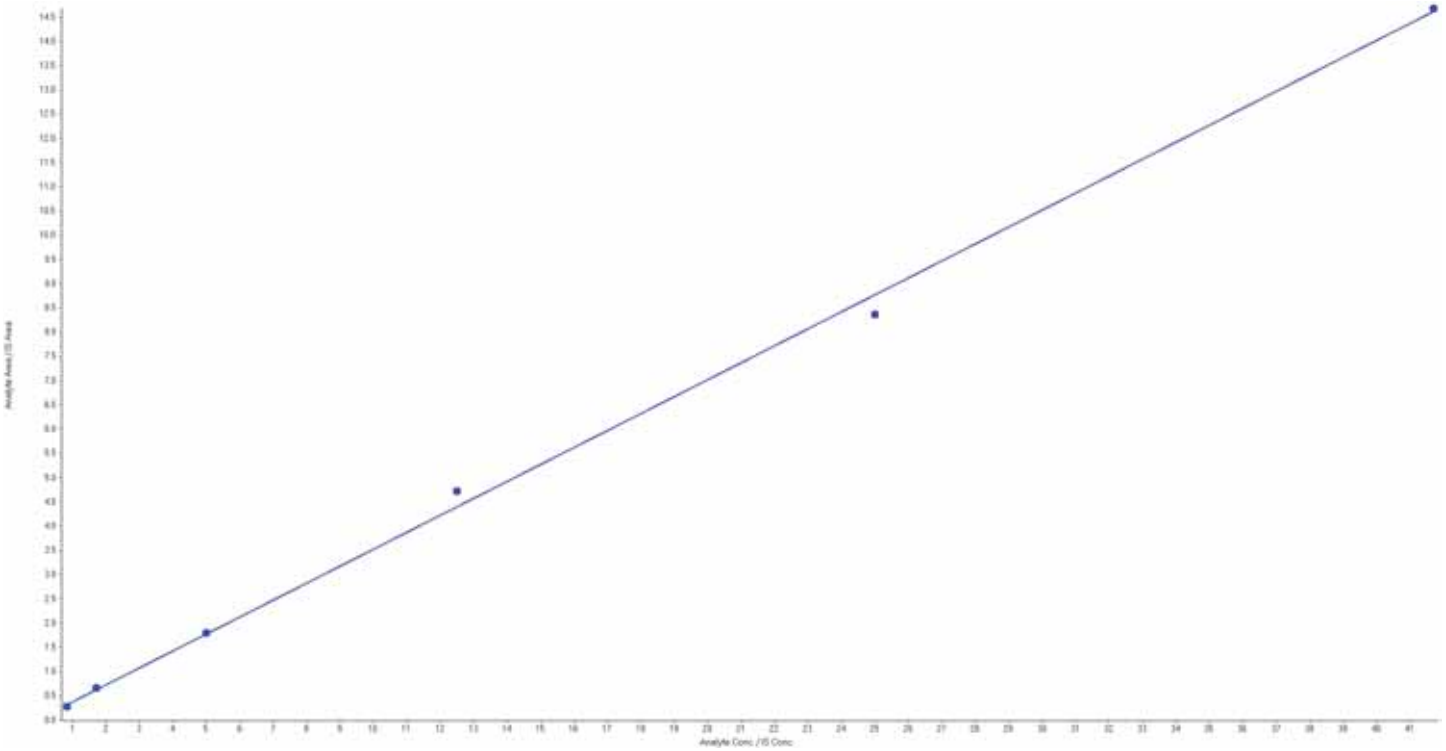


Analyte Name: PFDoA 1
Internal Standard: MPFDoA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.35 x + 0.0252 (r = 0.9990)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.73	88.0
1.7	1	1.84	108.1
5	1	5.04	100.9
12.5	1	13.41	107.3
25	1	23.83	95.3
41.7	1	41.88	100.4

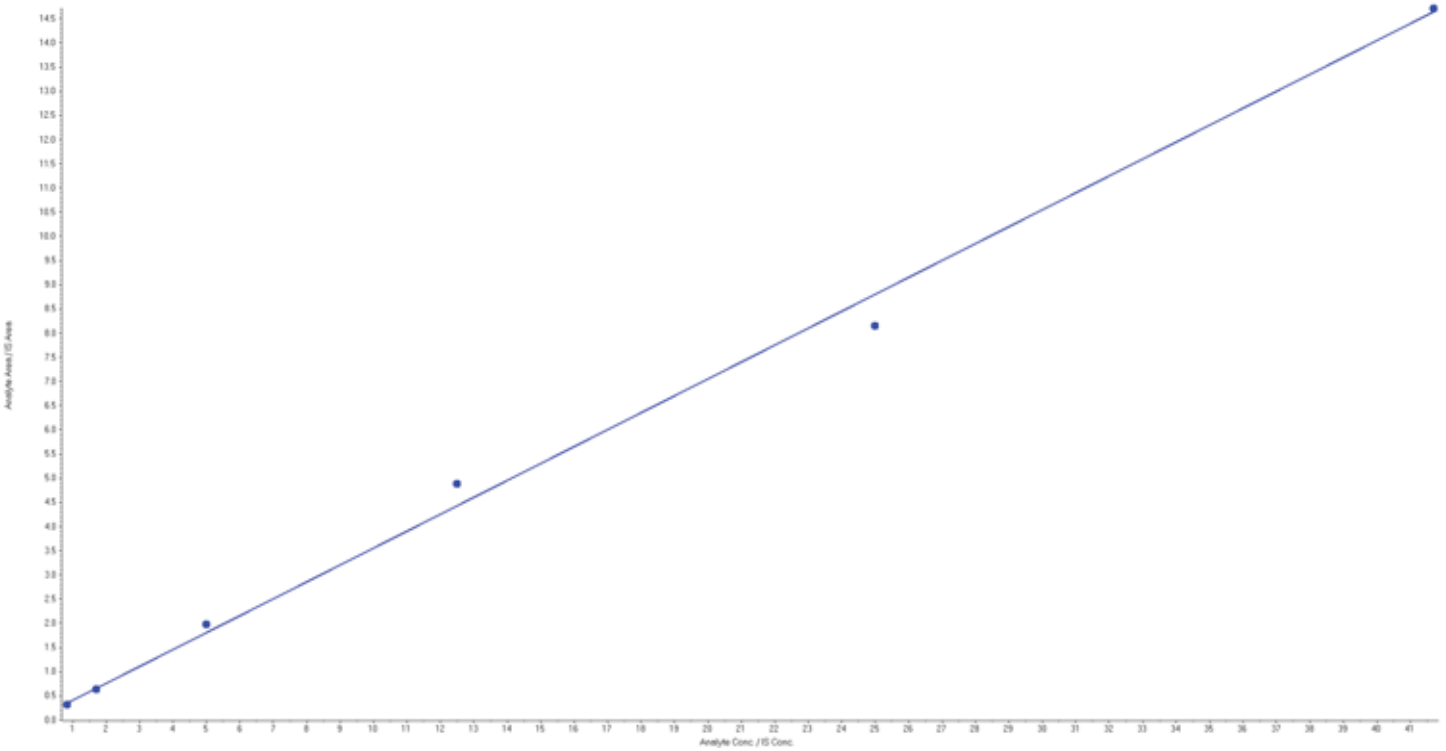


Analyte Name: PFTrDA 1
Internal Standard: MPFTeDA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.35 x + 0.0573 (r = 0.9976)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.74	89.4
1.7	1	1.65	97.3
5	1	5.49	109.7
12.5	1	13.81	110.5
25	1	23.14	92.5
41.7	1	41.90	100.5

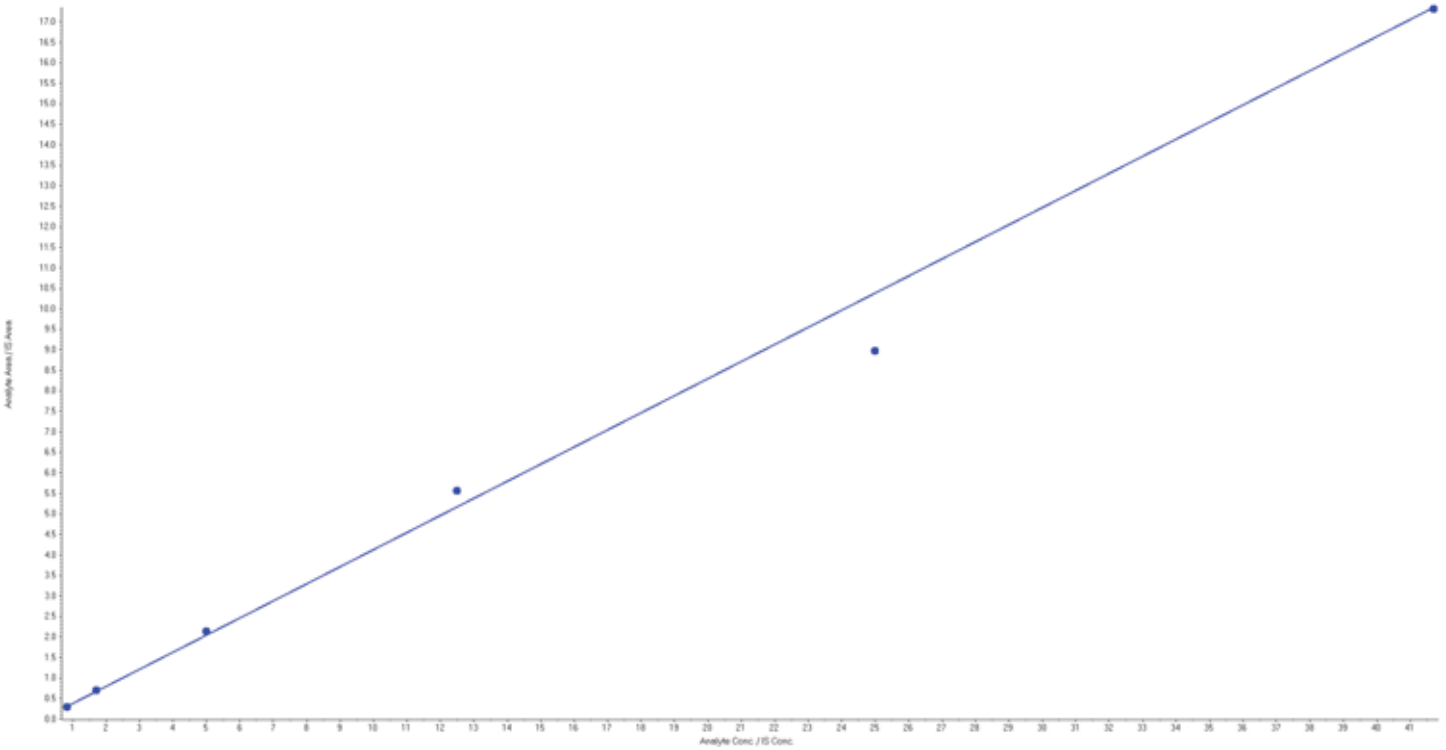


Analyte Name: PFTeDA 1
Internal Standard: MPFTeDA

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.417 x + -0.0392 (r = 0.9959)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.81	97.0
1.7	1	1.78	104.5
5	1	5.23	104.6
12.5	1	13.45	107.6
25	1	21.64	86.5
41.7	1	41.63	99.8

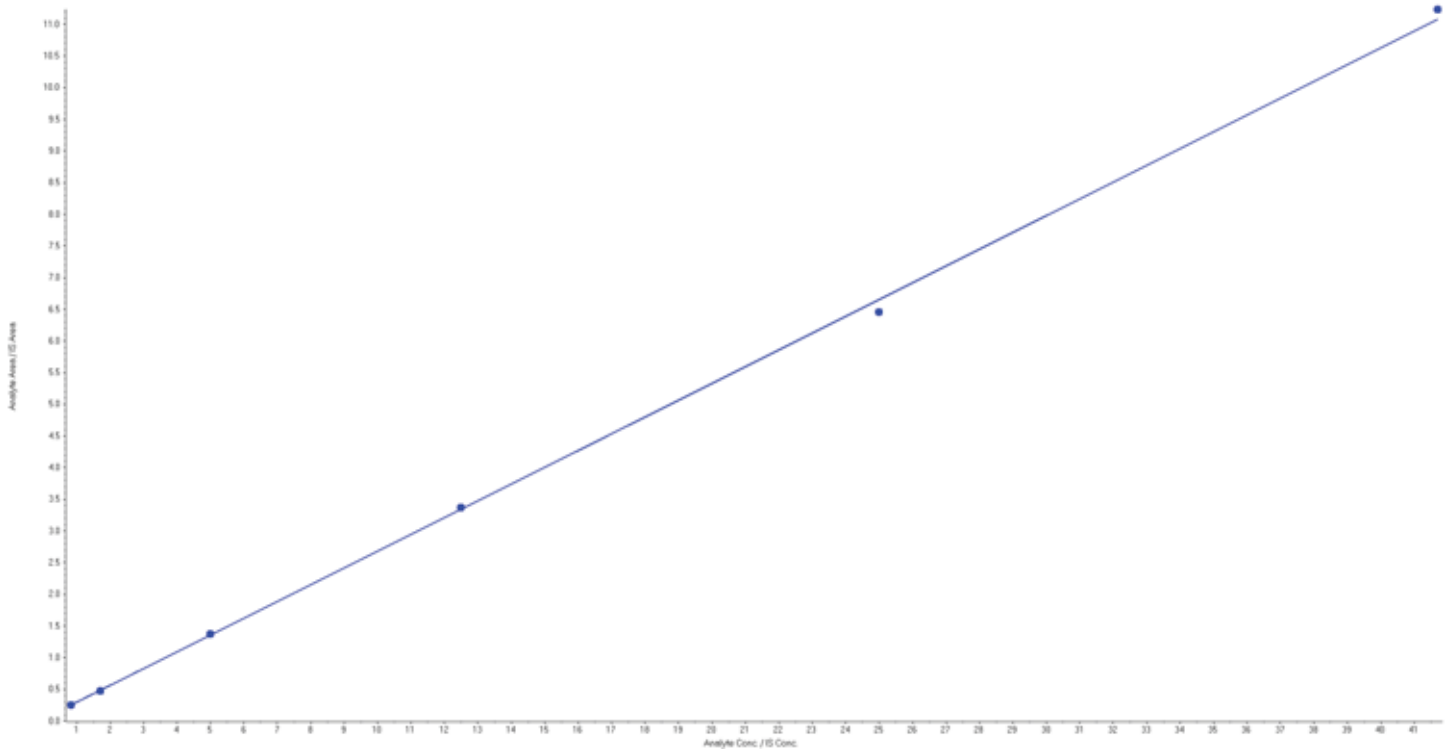


Analyte Name: 6:2-FTS 1
Internal Standard: M2 6:2 FTS

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.265 x + 0.0331 (r = 0.9998)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.83	100.4
1.7	1	1.68	98.8
5	1	5.08	101.6
12.5	1	12.59	100.7
25	1	24.26	97.0
41.7	1	42.29	101.4

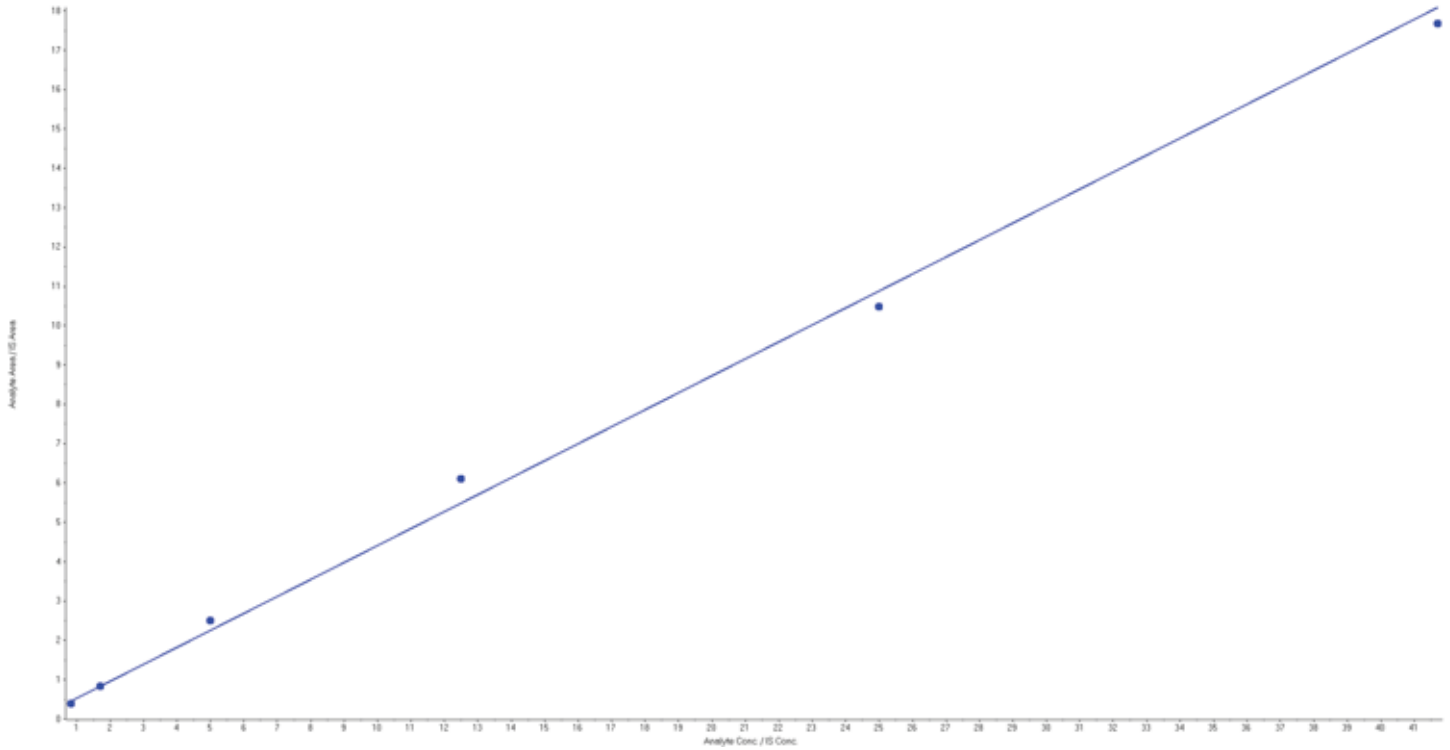


Analyte Name: 8:2-FTS 1
Internal Standard: M2 8:2 FTS

Data File	PFC_170308\WS#4872075.wiff	**Result Table**	PFC_Water_170308_4872075_Low_CTLabs.rdb
Acquisition Date	2017/03/08 7:58:40 PM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.431 x + 0.096 (r = 0.9977)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.68	82.1
1.7	1	1.71	100.6
5	1	5.59	111.8
12.5	1	13.94	111.5
25	1	24.06	96.2
41.7	1	40.75	97.7

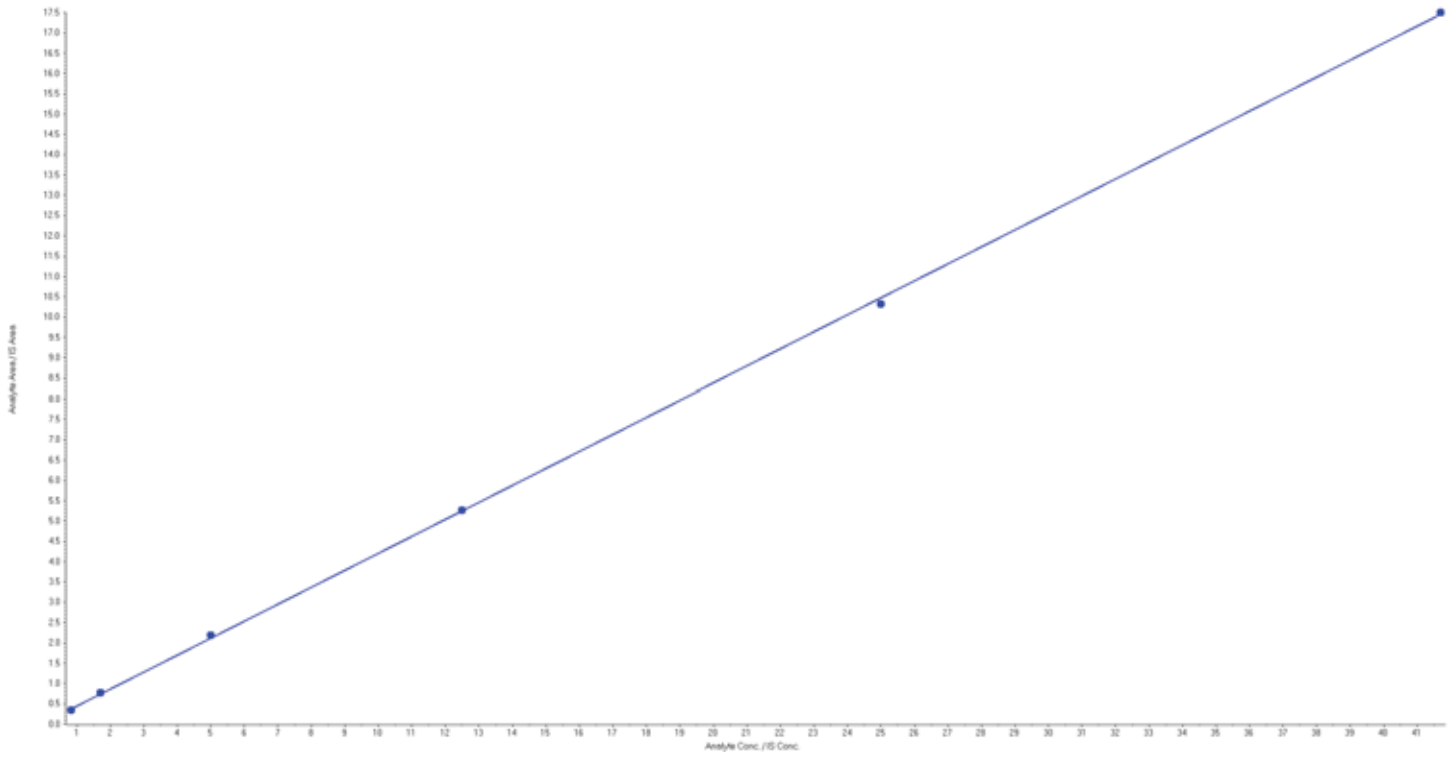


Analyte Name: MeFOSAA 1
Internal Standard: D3-MeFOSAA IS

Data File	PFC_170301\WS#4872075_FOSAA.wiff	**Result Table**	PFC_Water_170301_4872075_Low_FOSAA.rdb
Acquisition Date	2017/03/03 5:38:58 AM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.418 x + 0.0241 (r = 0.9999)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.77	92.2
1.7	1	1.79	105.2
5	1	5.16	103.3
12.5	1	12.55	100.4
25	1	24.65	98.6
41.7	1	41.81	100.3

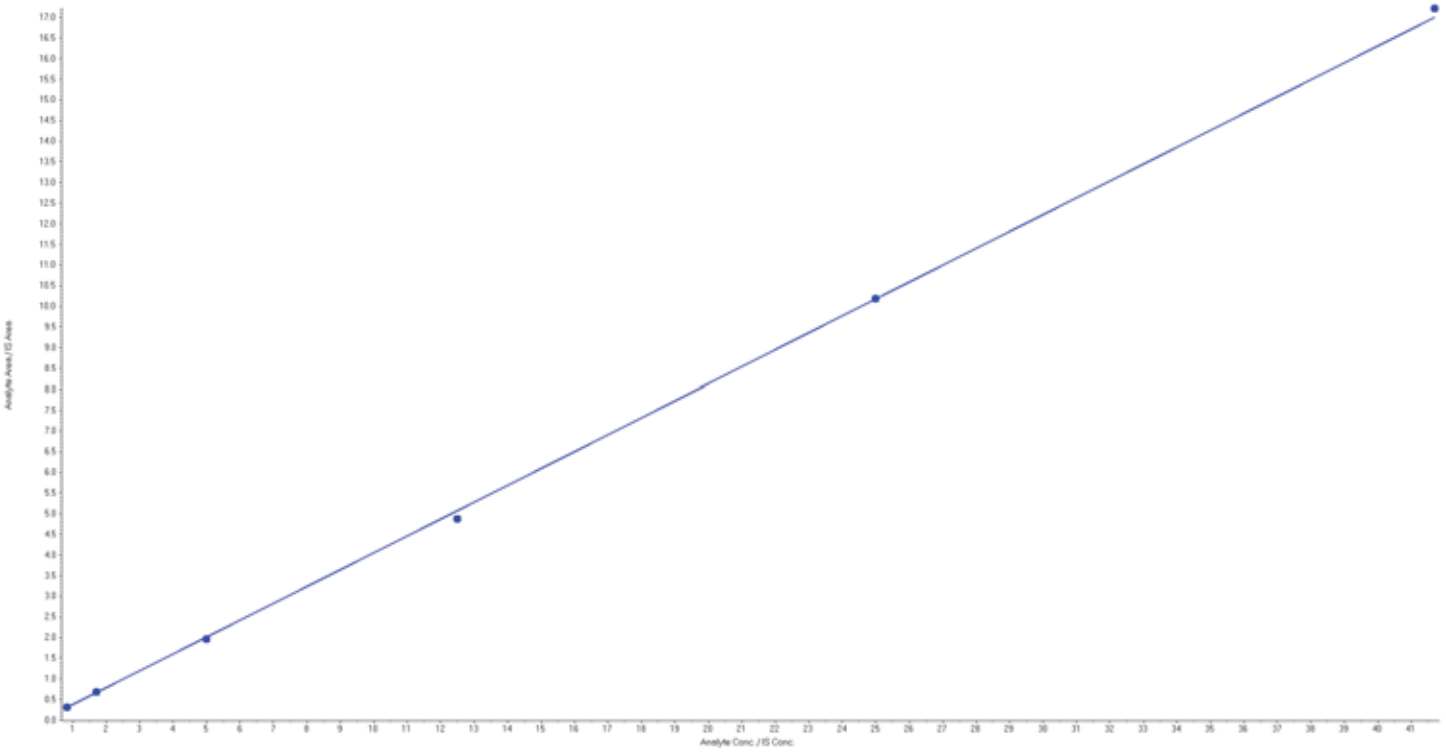


Analyte Name: EtFOSAA 1
Internal Standard: D5-EtFOSAA IS

Data File	PFC_170301\WS#4872075_FOSAA.wiff	**Result Table**	PFC_Water_170301_4872075_Low_FOSAA.rdb
Acquisition Date	2017/03/03 5:38:58 AM	**Project**	Enviro\PFOS
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03

Regression Equation: y = 0.408 x + -0.0323 (r = 0.9998)

Expected Concentration (µg/L)	Number of Values	Calculated Concentration (µg/L)	% Accuracy
0.83	1	0.85	102.4
1.7	1	1.74	102.5
5	1	4.88	97.7
12.5	1	12.03	96.2
25	1	25.00	100.0
41.7	1	42.23	101.3





6. Continuing Calibration

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

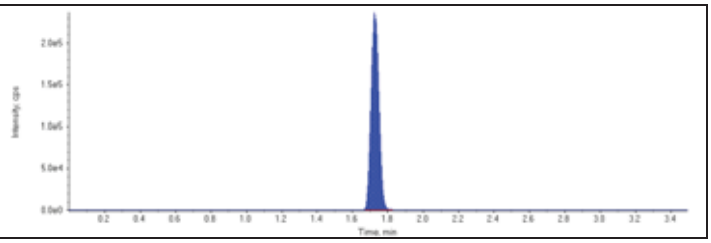
Sample ID	CCV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/27 4:59:16 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	727000.	1.73	1.00	-
MPFHxA	2510000.	1.47	1.00	-
MPFHpA	2280000.	1.72	1.00	-
MPFOA	2150000.	1.89	1.00	-
MPFOS	910000.	2.01	1.00	-
MPFNA	2460000.	2.03	1.00	-
MPFDA	2380000.	2.15	1.00	-
MPFUnA	1780000.	2.25	1.00	-
MPFDoA	1660000.	2.32	1.00	-
MPFTeDA	1390000.	2.46	1.00	-
M2 6:2 FTS	796000.	1.86	1.00	-
M2 8:2 FTS	662000.	2.12	1.00	-
13C6-PFHxA IS	2030000.	1.46	1.00	-
13C9-PFDA IS	5350000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	4170000	1.19	15.0	15.0	100.0
PFHxA 1	5290000	1.47	15.0	16.2	108.0
PFHxS 1	2730000	1.73	15.0	15.3	102.0
PFHpA 1	3220000	1.72	15.0	16.2	108.0
PFOA 1	2920000	1.89	15.0	16.7	111.0
PFOS 1	2020000	2.01	15.0	15.1	101.0
PFNA 1	3130000	2.03	15.0	15.4	103.0
PFDA 1	4920000	2.15	15.0	17.4	116.0
PFUnA 1	3650000	2.24	15.0	15.5	103.0
PFDoA 1	3440000	2.32	15.0	15.9	106.0
PFTrDA 1	2730000	2.40	15.0	14.5	96.5
PFTeDA 1	2630000	2.46	15.0	14.9	99.5
6:2-FTS 1	790000	1.86	15.0	15.0	100.0
8:2-FTS 1	1420000	2.12	15.0	14.9	99.6
13C2-PFHxA	2510000	1.47	100.	102.	102.0
18O2-PFHxS	727000	1.73	100.	107.	107.0
13C4-PFHpA	2280000	1.72	100.	97.6	97.6
13C4-PFOA	2150000	1.89	100.	96.1	96.1
13C4-PFOS	910000	2.01	100.	99.5	99.5
13C5-PFNA	2460000	2.03	100.	106.	106.0
13C2-PFDA	2380000	2.15	100.	96.0	96.0
13C2-PFUnA	1780000	2.25	100.	91.1	91.1
13C2-PFDoA	1660000	2.32	100.	94.1	94.1
13C2-PFTeDA	1390000	2.46	100.	100.	100.0
13C2-8:2 FTS	662000	2.12	100.	97.0	97.0
13C6-PFHxA	2030000	1.46	100.	100.	100.0
13C9-PFDA	5350000	2.14	100.	104.	104.0
13C2-6:2-FTS	796000	1.86	100.	110.	110.0

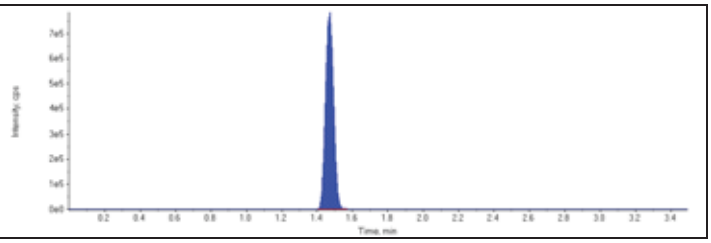
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



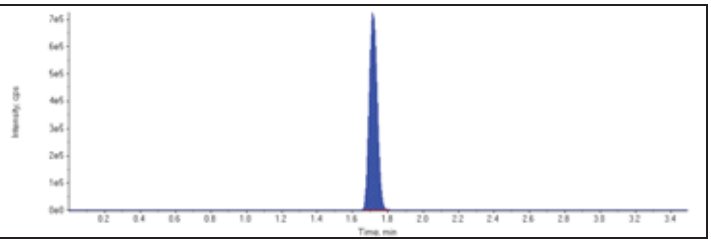
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



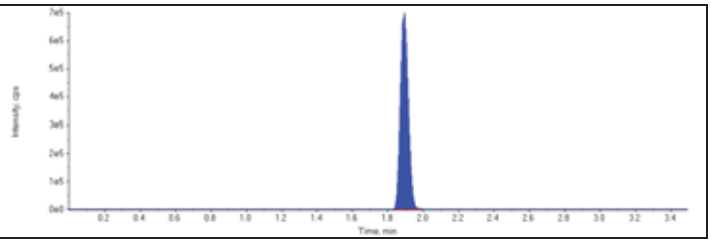
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



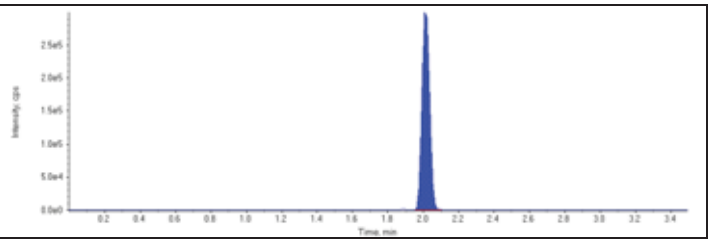
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



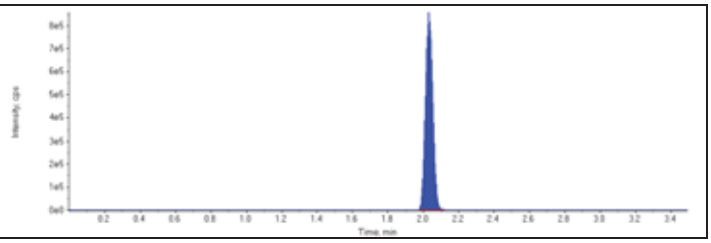
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



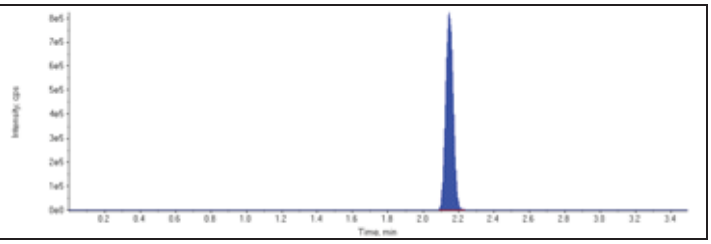
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



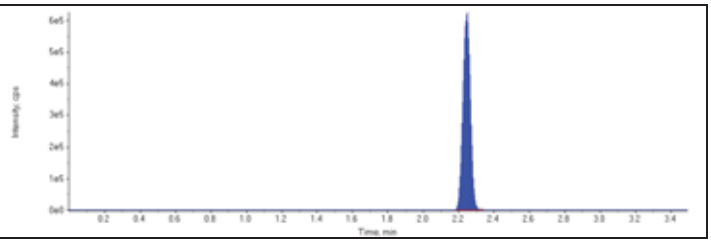
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



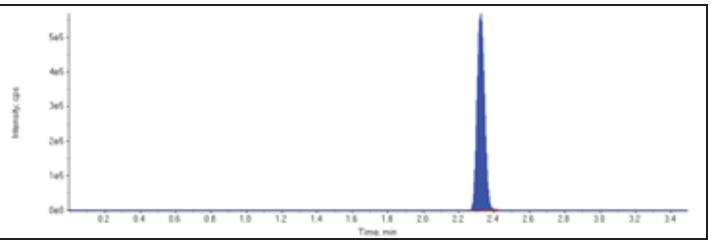
MPFUnA (Internal Standard)

RT (Exp. RT): 2.25(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



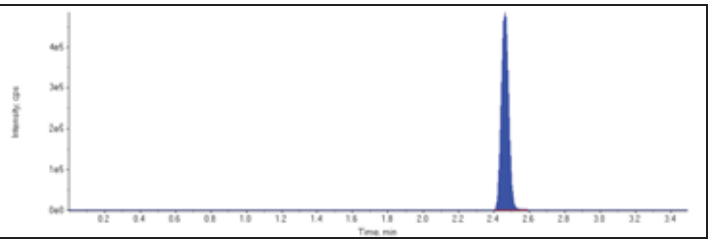
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



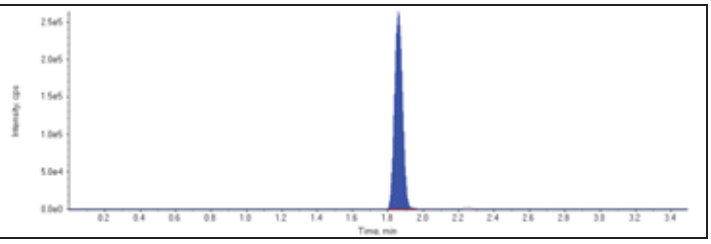
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



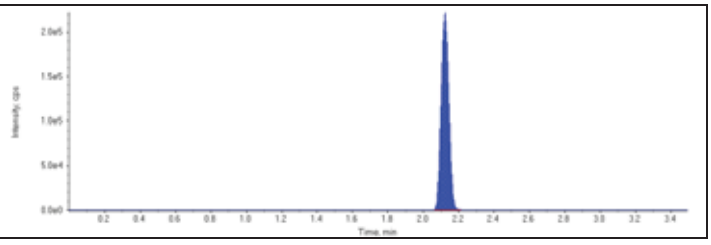
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



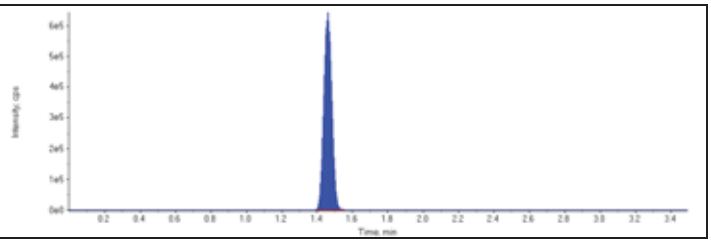
M2 8:2 FTS (Internal Standard)

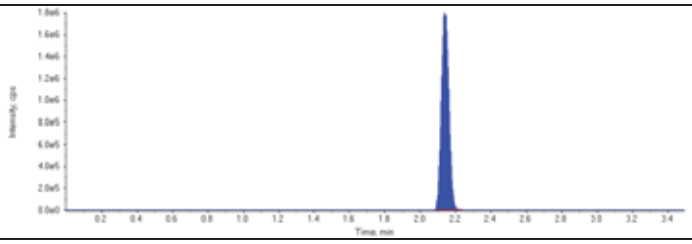
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

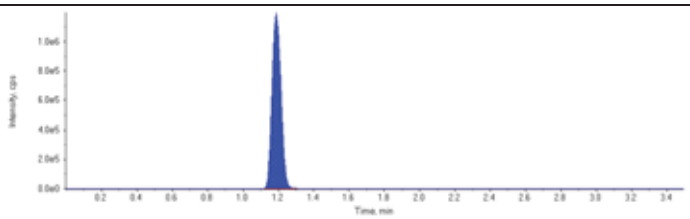
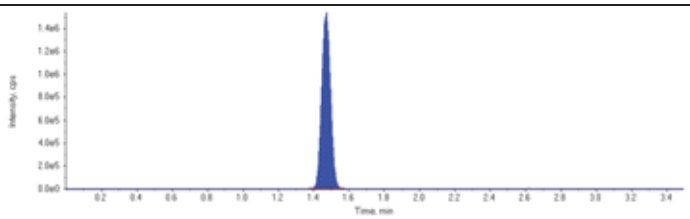
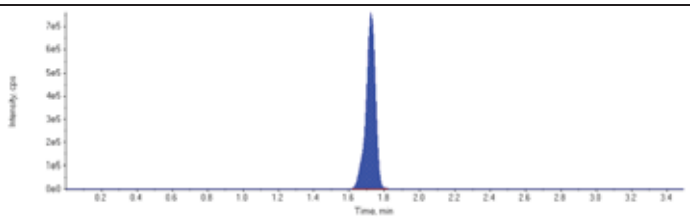
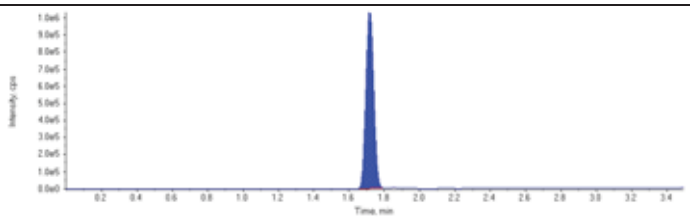
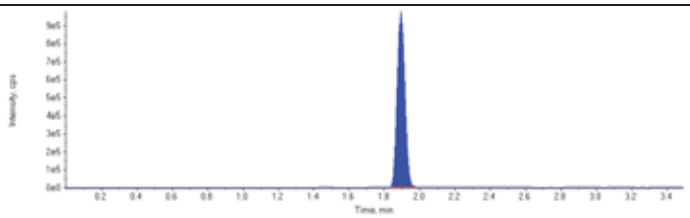
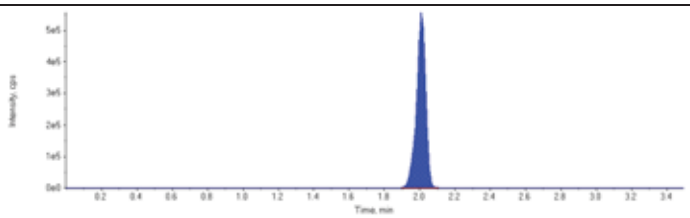


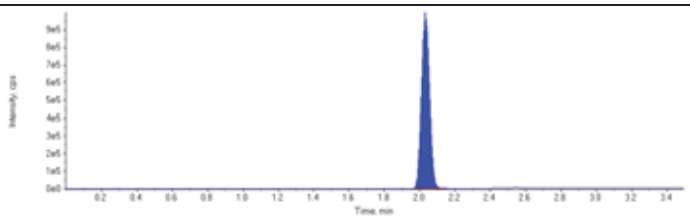
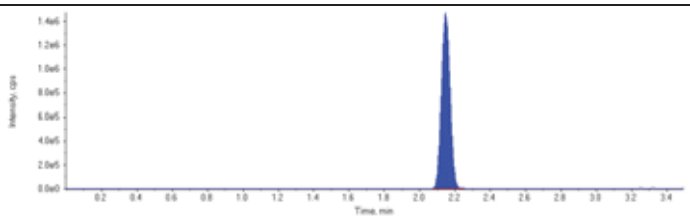
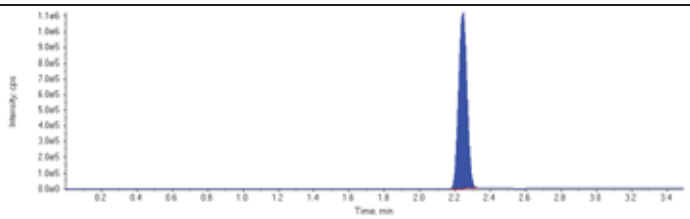
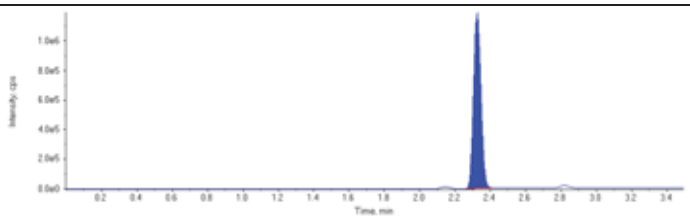
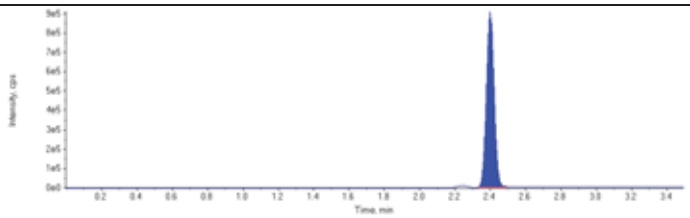
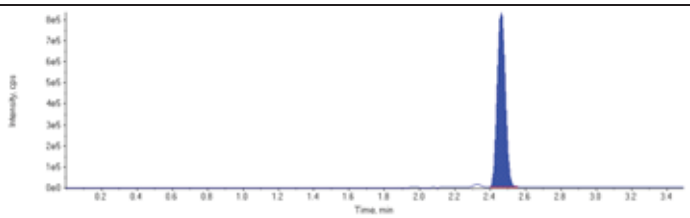
13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 15.0 µg/L Area Ratio: 5.73 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 16.2 µg/L Area Ratio: 2.11 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 15.3 µg/L Area Ratio: 3.76 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 16.2 µg/L Area Ratio: 1.41 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 16.7 µg/L Area Ratio: 1.36 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 15.1 µg/L Area Ratio: 2.22 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 15.4 µg/L Area Ratio: 1.27 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 17.4 µg/L Area Ratio: 2.07 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 15.5 µg/L Area Ratio: 2.05 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 15.9 µg/L Area Ratio: 2.07 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 14.5 µg/L Area Ratio: 1.96 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 14.9 µg/L Area Ratio: 1.89 Sample Type: (Quality Control)	

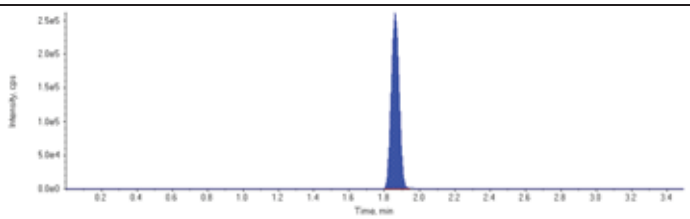
6:2-FTS 1 (427.000/407.000 Da)

RT (Exp. RT): 1.86 (1.83) min

Calculated Conc: 15.0 µg/L

Area Ratio: 0.993

Sample Type: (Quality Control)



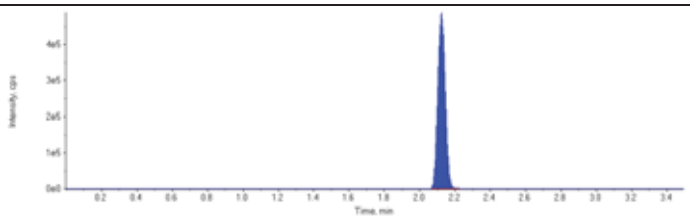
8:2-FTS 1 (526.900/507.000 Da)

RT (Exp. RT): 2.12 (2.10) min

Calculated Conc: 14.9 µg/L

Area Ratio: 2.15

Sample Type: (Quality Control)



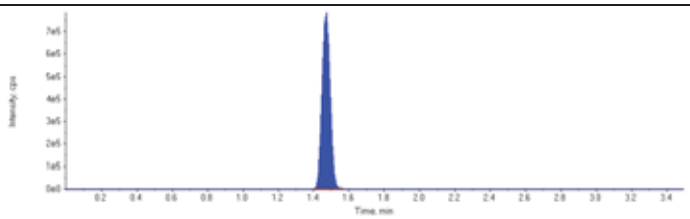
13C2-PFHxA (314.900/270.000 Da)

RT (Exp. RT): 1.47 (1.43) min

Calculated Conc: 102. µg/L

Area Ratio: 1.24

Sample Type: (Quality Control)



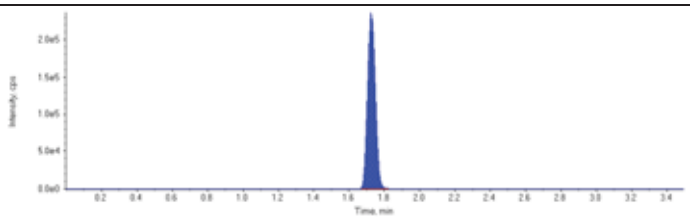
18O2-PFHxS (402.900/84.000 Da)

RT (Exp. RT): 1.73 (1.68) min

Calculated Conc: 107. µg/L

Area Ratio: 0.359

Sample Type: (Quality Control)



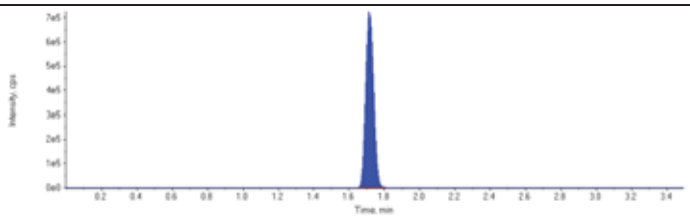
13C4-PFHpA (366.900/322.000 Da)

RT (Exp. RT): 1.72 (1.69) min

Calculated Conc: 97.6 µg/L

Area Ratio: 1.12

Sample Type: (Quality Control)



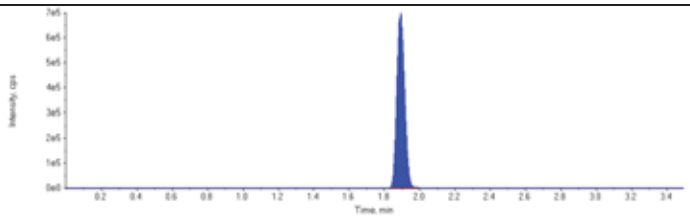
13C4-PFOA (416.900/372.000 Da)

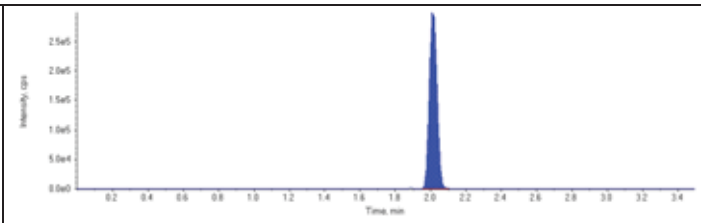
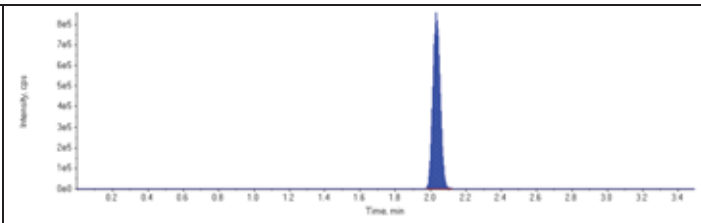
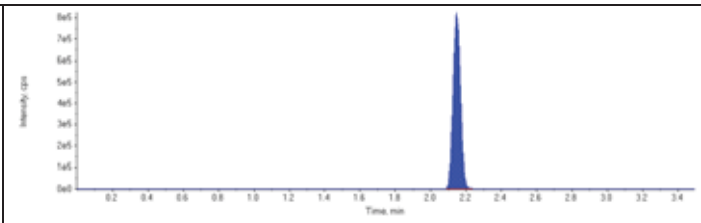
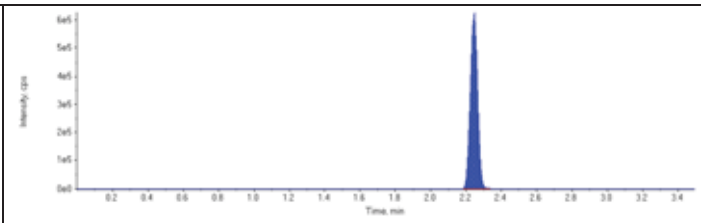
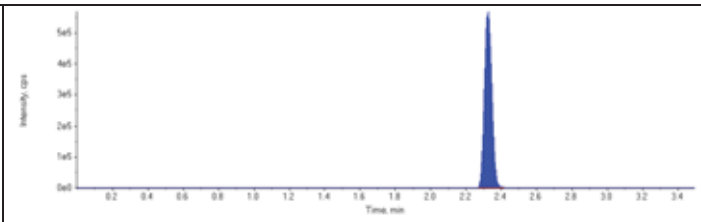
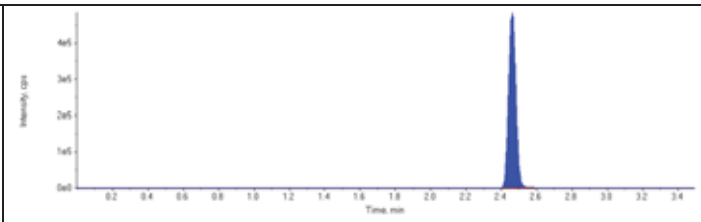
RT (Exp. RT): 1.89 (1.88) min

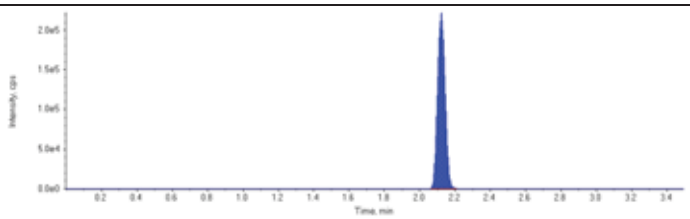
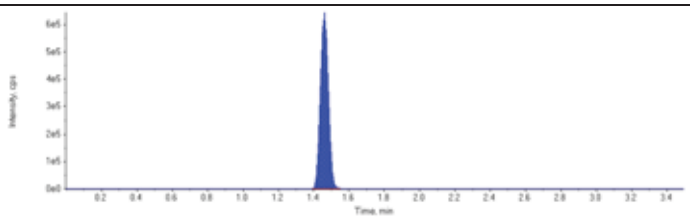
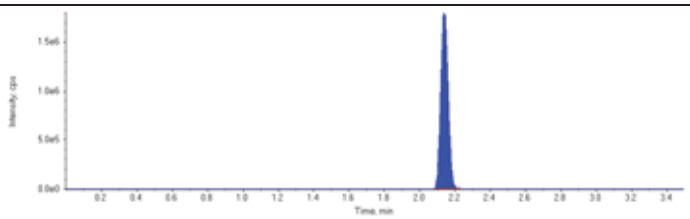
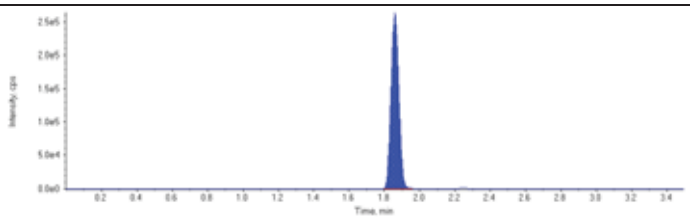
Calculated Conc: 96.1 µg/L

Area Ratio: 1.06

Sample Type: (Quality Control)



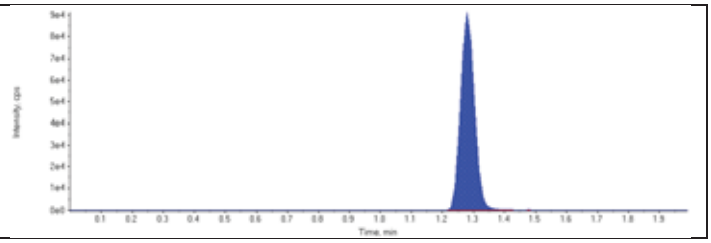
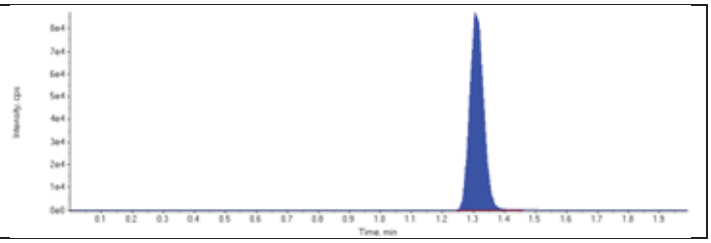
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 99.5 µg/L Area Ratio: 0.449 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 106. µg/L Area Ratio: 1.21 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 96.0 µg/L Area Ratio: 0.445 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.25 (2.24) min Calculated Conc: 91.1 µg/L Area Ratio: 0.332 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 94.1 µg/L Area Ratio: 0.311 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 100. µg/L Area Ratio: 0.260 Sample Type: (Quality Control)	

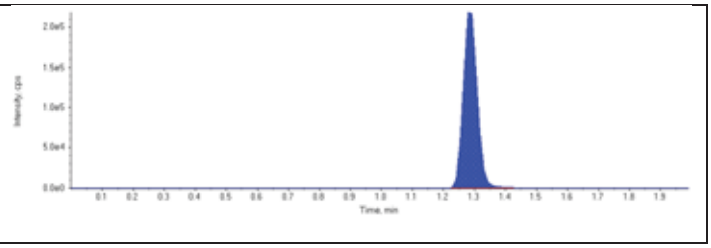
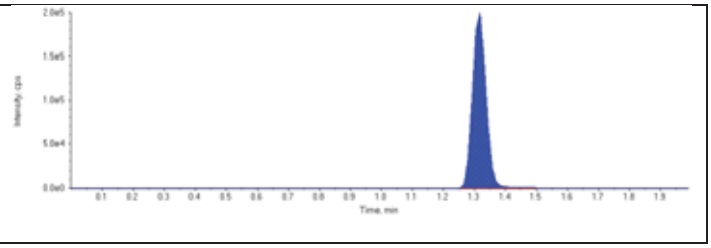
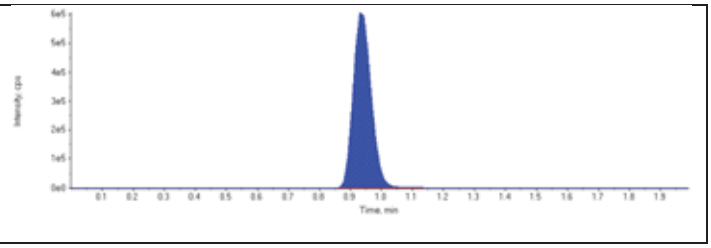
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 97.0 µg/L Area Ratio: 0.327 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 100. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 104. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 110. µg/L Area Ratio: 0.393 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	2
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/27 9:22:40 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	282000.	1.28	1.00	-
D5-EtFOSAA IS	266000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	696000	1.29	15.0	15.7	105.0
EtFOSAA 1	606000	1.31	15.0	16.1	108.0
13C9-PFDA	2470000	0.935	100.	94.5	94.5

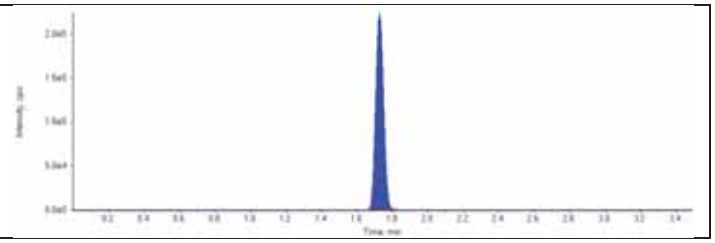
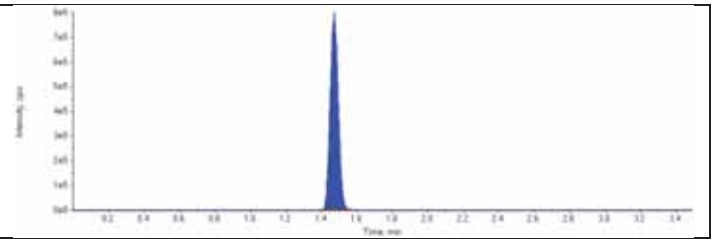
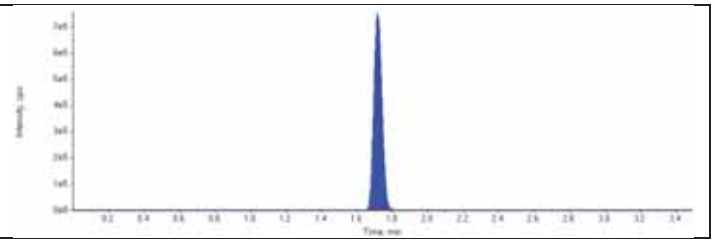
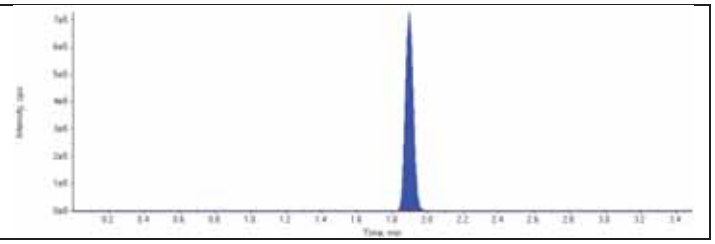
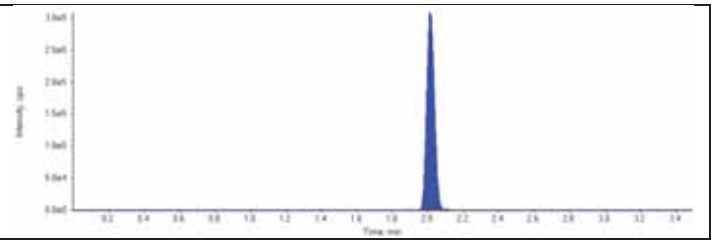
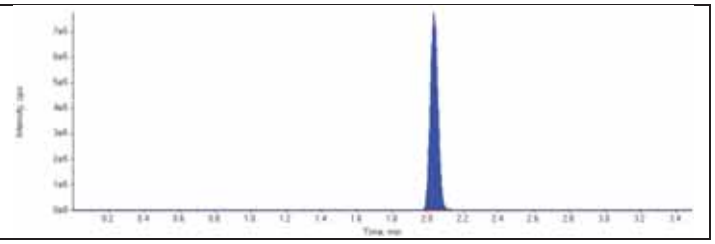
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.28(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.31(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 15.7 µg/L Area Ratio: 2.47 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.31 (1.31) min Calculated Conc: 16.1 µg/L Area Ratio: 2.28 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.935 (0.855) min Calculated Conc: 94.5 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/27 6:10:40 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

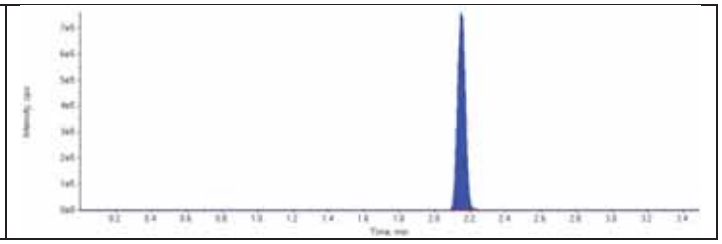
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	698000.	1.73	1.00	-
MPFHxA	2570000.	1.47	1.00	-
MPFHpA	2420000.	1.72	1.00	-
MPFOA	2200000.	1.89	1.00	-
MPFOS	950000.	2.01	1.00	-
MPFNA	2300000.	2.03	1.00	-
MPFDA	2350000.	2.15	1.00	-
MPFUnA	1850000.	2.24	1.00	-
MPFDoA	1720000.	2.32	1.00	-
MPFTeDA	1310000.	2.46	1.00	-
M2 6:2 FTS	729000.	1.86	1.00	-
M2 8:2 FTS	644000.	2.12	1.00	-
13C6-PFHxA IS	1950000.	1.46	1.00	-
13C9-PFDA IS	5120000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	4300000	1.19	15.0	16.1	108.0
PFHxA 1	5540000	1.47	15.0	16.6	110.0
PFHxS 1	2690000	1.73	15.0	15.7	105.0
PFHpA 1	3240000	1.72	15.0	15.4	103.0
PFOA 1	2790000	1.89	15.0	15.5	103.0
PFOS 1	2160000	2.01	15.0	15.5	103.0
PFNA 1	2940000	2.03	15.0	15.5	103.0
PFDA 1	4630000	2.15	15.0	16.6	111.0
PFUnA 1	4100000	2.24	15.0	16.6	111.0
PFDoA 1	3580000	2.33	15.0	15.9	106.0
PFTrDA 1	2870000	2.40	15.0	16.2	108.0
PFTeDA 1	2600000	2.46	15.0	15.6	104.0
6:2-FTS 1	709000	1.86	15.0	14.7	98.2
8:2-FTS 1	1490000	2.12	15.0	16.1	108.0
13C2-PFHxA	2570000	1.47	100.	109.	109.0
18O2-PFHxS	698000	1.73	100.	106.	106.0
13C4-PFHpA	2420000	1.72	100.	108.	108.0
13C4-PFOA	2200000	1.89	100.	103.	103.0
13C4-PFOS	950000	2.01	100.	108.	108.0
13C5-PFNA	2300000	2.03	100.	103.	103.0
13C2-PFDA	2350000	2.15	100.	98.9	98.9
13C2-PFUnA	1850000	2.24	100.	99.3	99.3
13C2-PFDoA	1720000	2.32	100.	102.	102.0
13C2-PFTeDA	1310000	2.46	100.	99.1	99.1
13C2-8:2 FTS	644000	2.12	100.	98.1	98.1
13C6-PFHxA	1950000	1.46	100.	96.1	96.1
13C9-PFDA	5120000	2.14	100.	99.4	99.4
13C2-6:2-FTS	729000	1.86	100.	105.	105.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.73(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.43) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.72(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

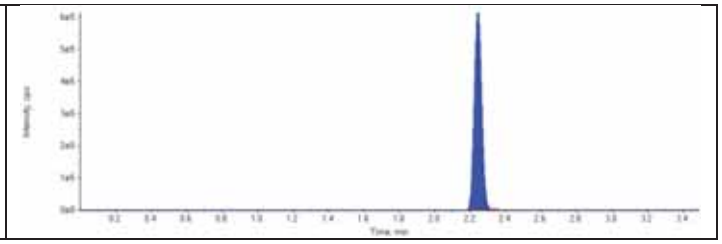
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



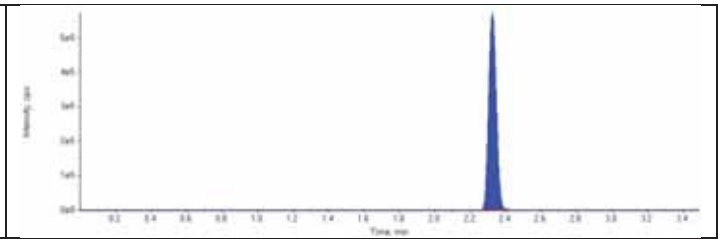
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



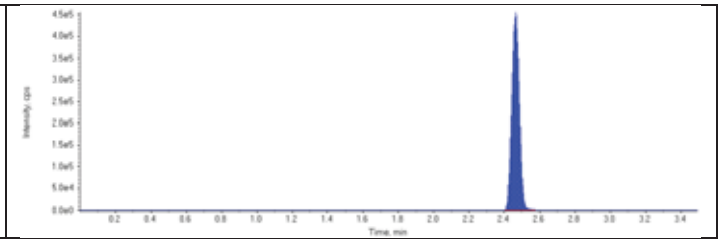
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



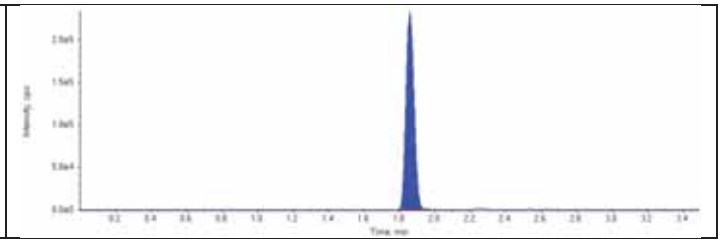
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



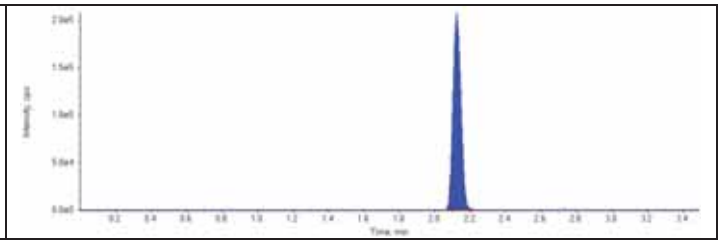
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



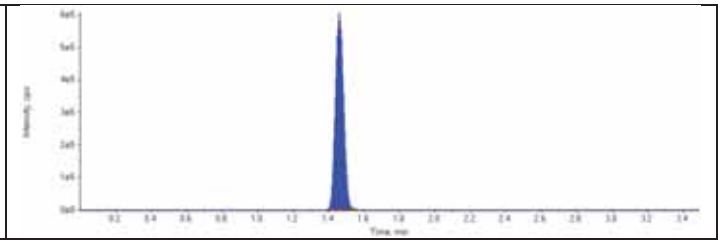
M2 8:2 FTS (Internal Standard)

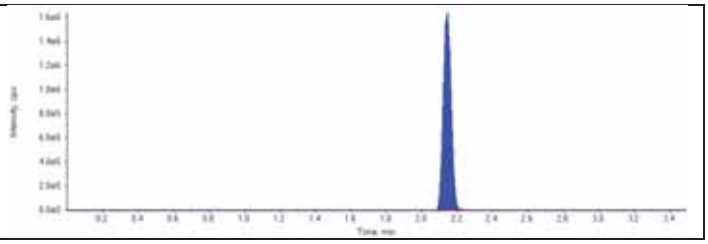
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

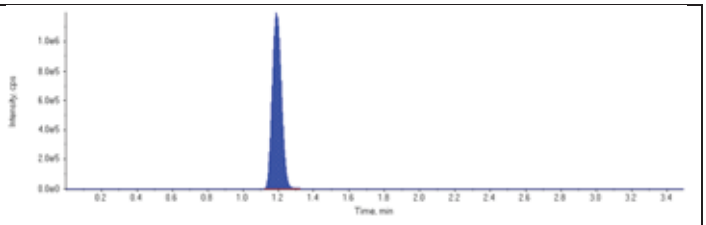
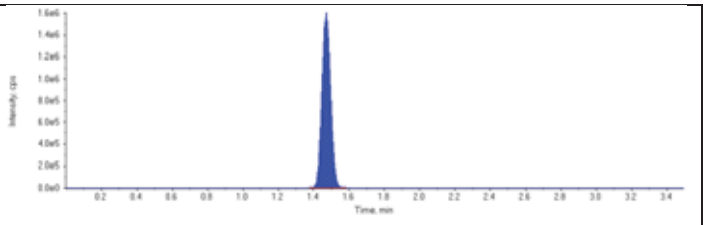
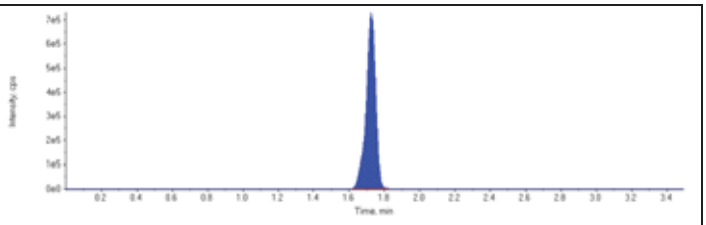
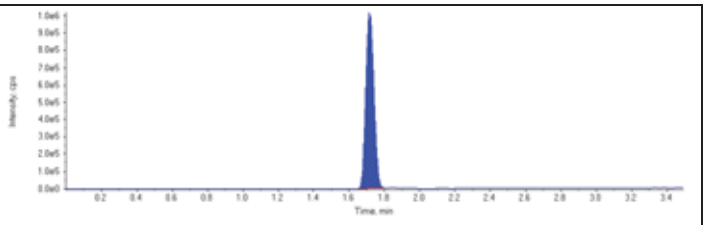
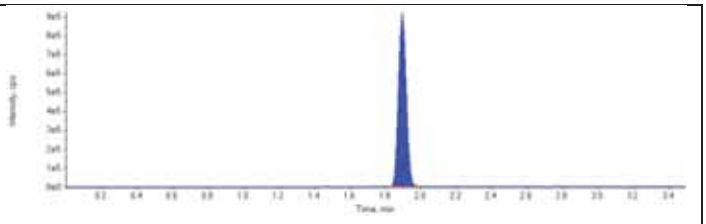
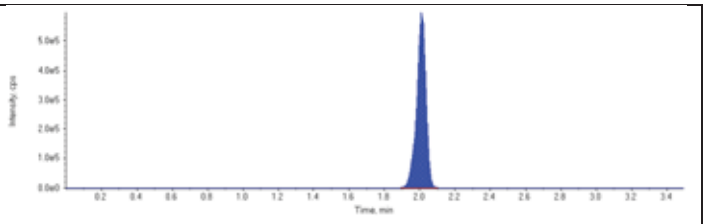


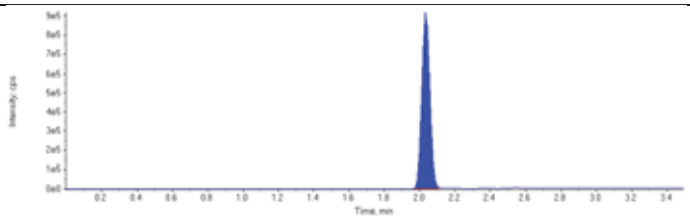
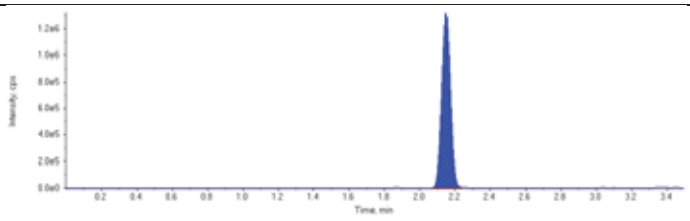
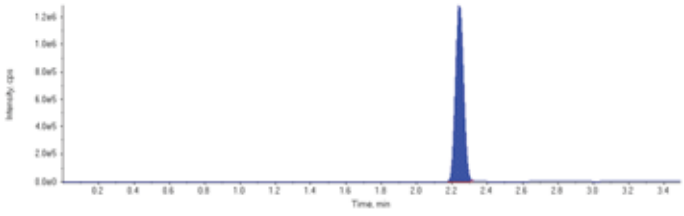
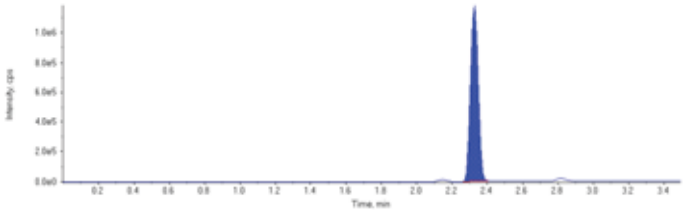
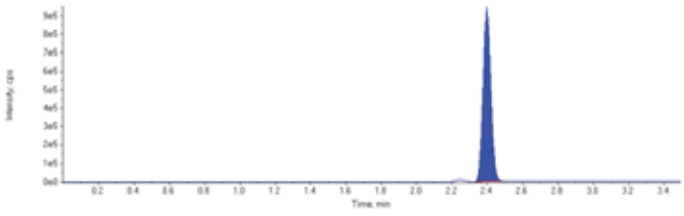
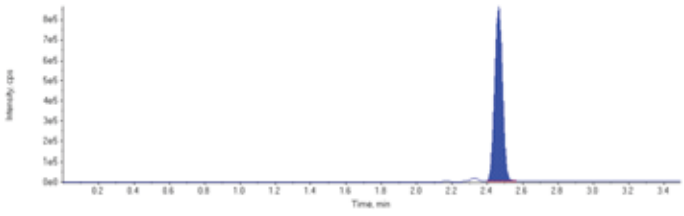
13C6-PFHxA IS (Internal Standard)

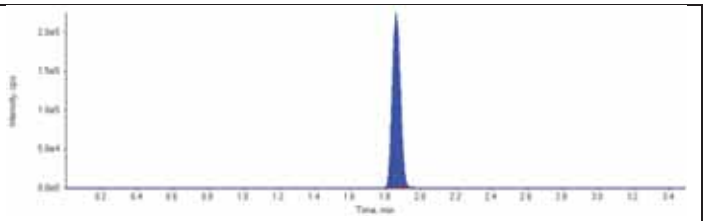
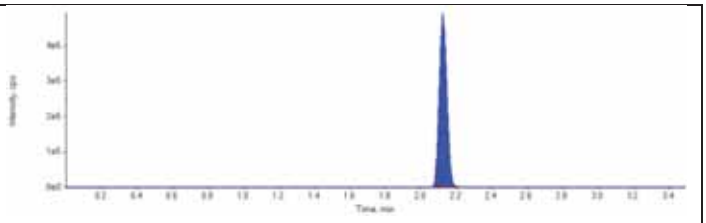
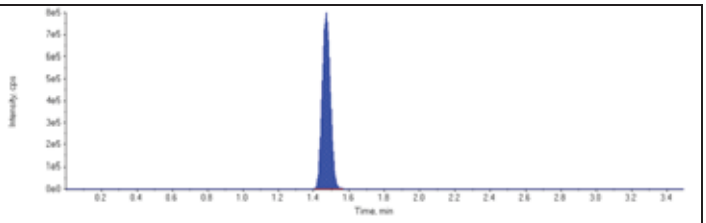
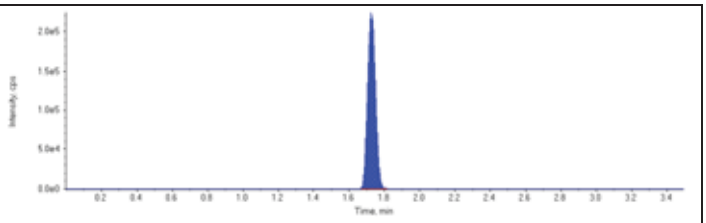
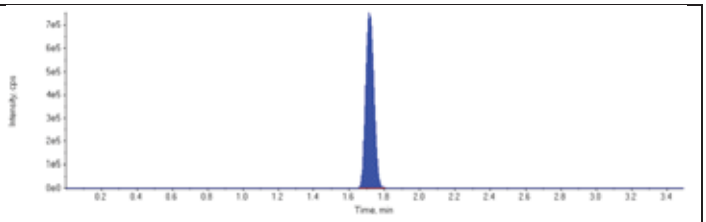
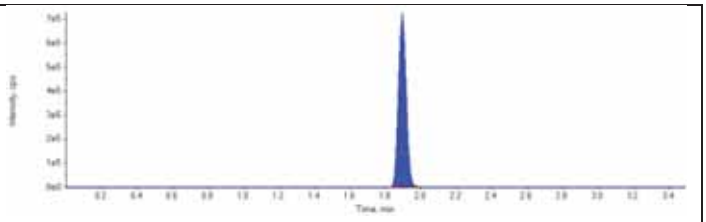
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

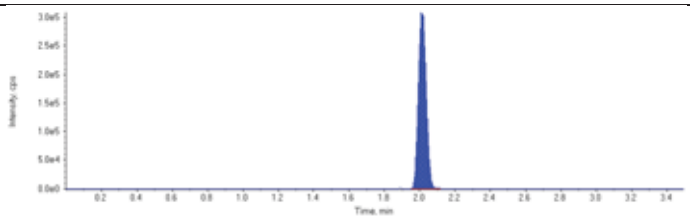
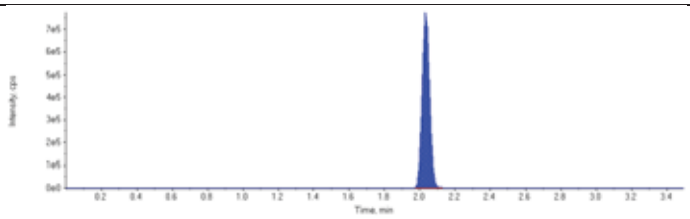
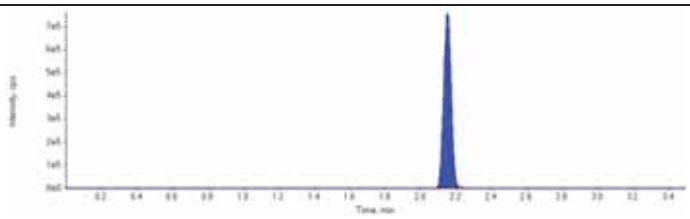
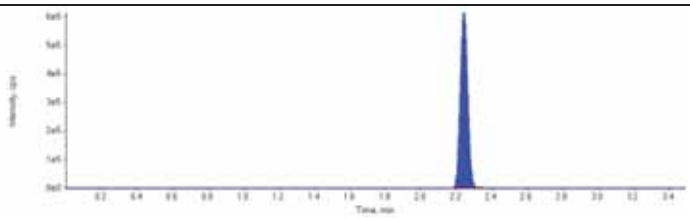
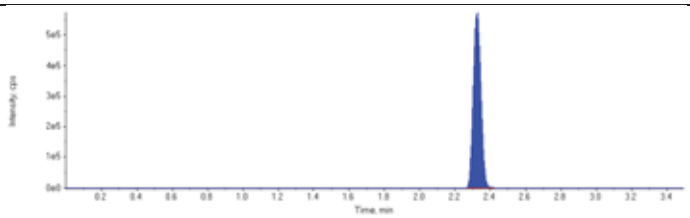
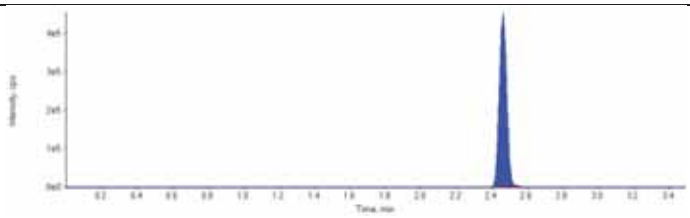


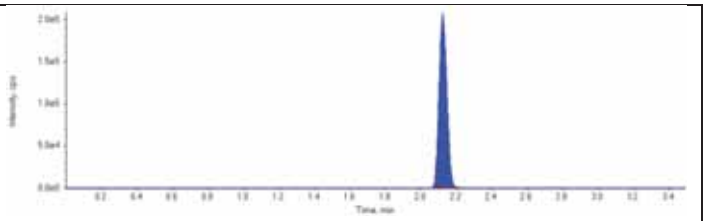
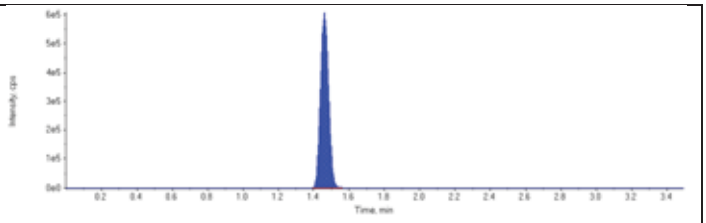
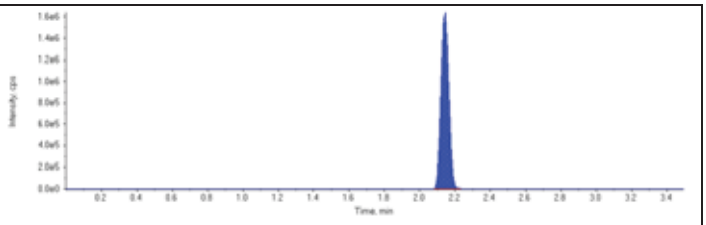
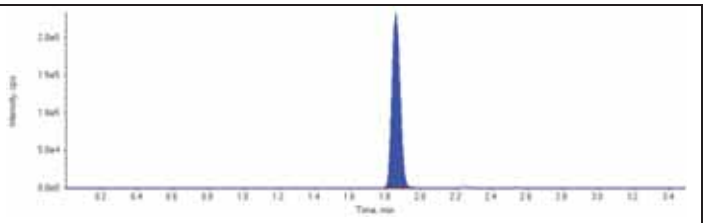
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 16.1 µg/L Area Ratio: 6.15 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 16.6 µg/L Area Ratio: 2.15 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 15.7 µg/L Area Ratio: 3.86 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 15.4 µg/L Area Ratio: 1.34 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 15.5 µg/L Area Ratio: 1.27 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 15.5 µg/L Area Ratio: 2.27 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 15.5 µg/L Area Ratio: 1.28 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 16.6 µg/L Area Ratio: 1.97 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 16.6 µg/L Area Ratio: 2.21 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 15.9 µg/L Area Ratio: 2.08 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 16.2 µg/L Area Ratio: 2.19 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 15.6 µg/L Area Ratio: 1.98 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 14.7 µg/L Area Ratio: 0.973 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 16.1 µg/L Area Ratio: 2.32 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 109. µg/L Area Ratio: 1.32 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 106. µg/L Area Ratio: 0.359 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 108. µg/L Area Ratio: 1.24 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 103. µg/L Area Ratio: 1.13 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 108. µg/L Area Ratio: 0.488 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 103. µg/L Area Ratio: 1.18 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 98.9 µg/L Area Ratio: 0.458 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 99.3 µg/L Area Ratio: 0.362 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 102. µg/L Area Ratio: 0.336 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 99.1 µg/L Area Ratio: 0.257 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 98.1 µg/L Area Ratio: 0.331 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 96.1 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 99.4 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 105. µg/L Area Ratio: 0.374 Sample Type: (Quality Control)	

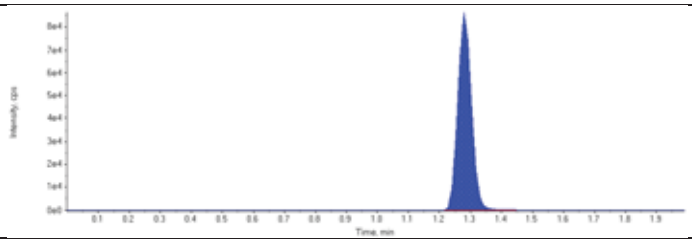
Sample ID	CCV	**Injection Volume (µL)**	2
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/27 9:48:28 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	263000.	1.28	1.00	-
D5-EtFOSAA IS	250000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	655000	1.29	15.0	15.9	106.0
EtFOSAA 1	556000	1.32	15.0	15.8	105.0
13C9-PFDA	2510000	0.935	100.	96.0	96.0

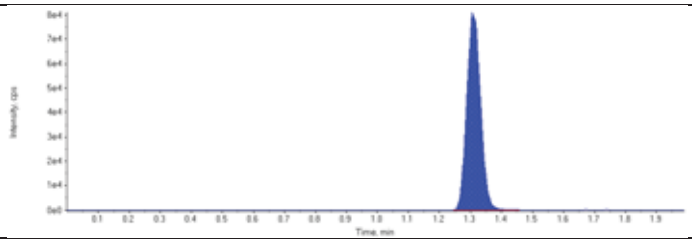
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.28(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



D5-EtFOSAA IS (Internal Standard)

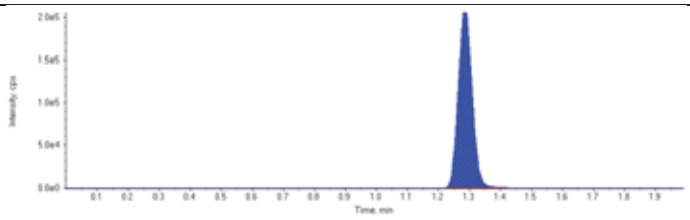
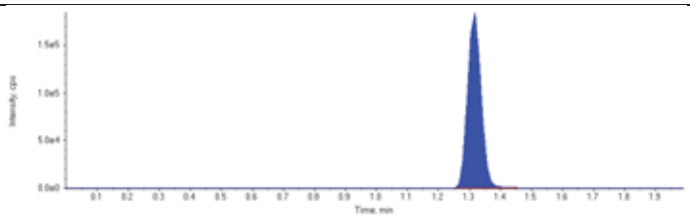
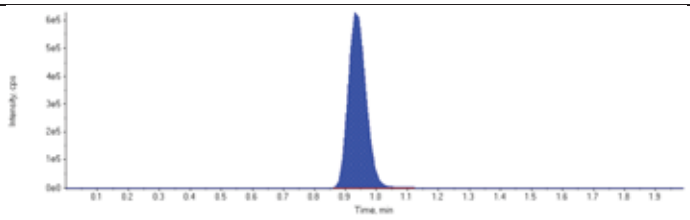
RT (Exp. RT): 1.31(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Quality Control)

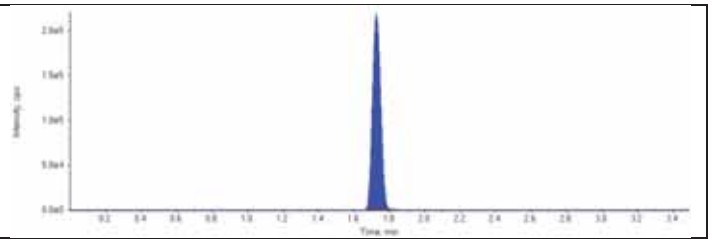
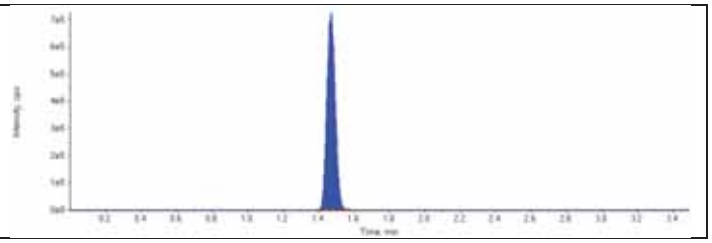
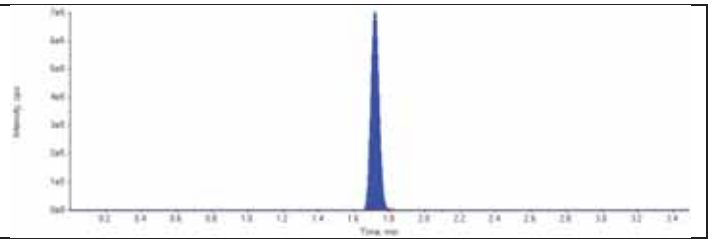
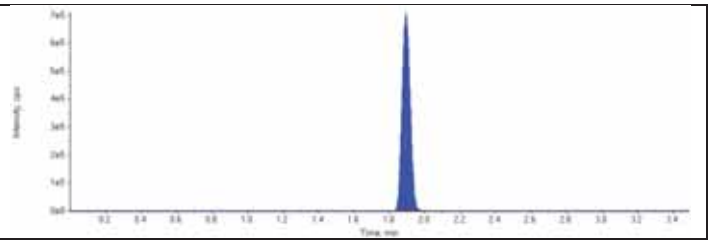
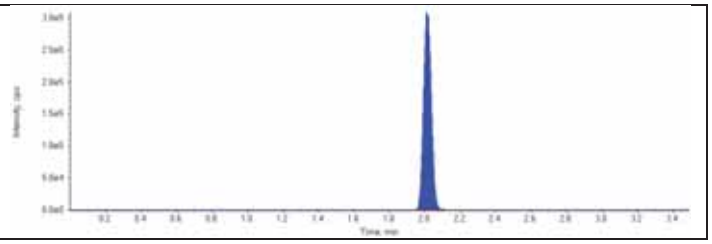
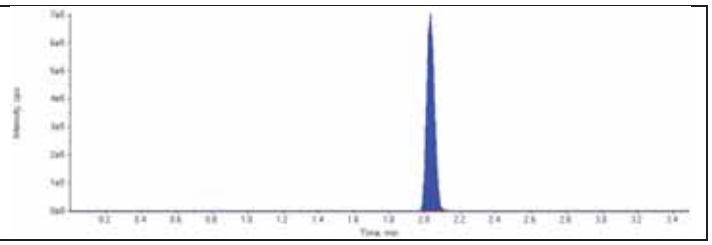
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 15.9 µg/L Area Ratio: 2.49 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.32 (1.31) min Calculated Conc: 15.8 µg/L Area Ratio: 2.23 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.935 (0.855) min Calculated Conc: 96.0 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/27 6:56:31 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

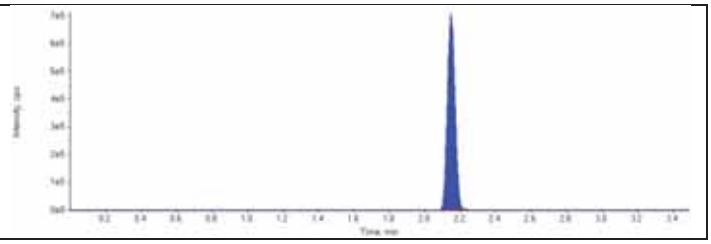
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	698000.	1.73	1.00	-
MPFHxA	2420000.	1.47	1.00	-
MPFHpA	2270000.	1.72	1.00	-
MPFOA	2220000.	1.89	1.00	-
MPFOS	944000.	2.01	1.00	-
MPFNA	2150000.	2.03	1.00	-
MPFDA	2130000.	2.15	1.00	-
MPFUnA	2000000.	2.24	1.00	-
MPFDoA	1660000.	2.32	1.00	-
MPFTeDA	1360000.	2.46	1.00	-
M2 6:2 FTS	731000.	1.86	1.00	-
M2 8:2 FTS	611000.	2.12	1.00	-
13C6-PFHxA IS	1910000.	1.46	1.00	-
13C9-PFDA IS	5400000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	4220000	1.19	15.0	15.8	106.0
PFHxA 1	5310000	1.47	15.0	16.8	112.0
PFHxS 1	2660000	1.72	15.0	15.5	103.0
PFHpA 1	3130000	1.72	15.0	15.9	106.0
PFOA 1	2840000	1.89	15.0	15.6	104.0
PFOS 1	2040000	2.01	15.0	14.7	98.0
PFNA 1	2790000	2.03	15.0	15.7	105.0
PFDA 1	4600000	2.15	15.0	18.2	121.0
PFUnA 1	3990000	2.24	15.0	15.0	99.8
PFDoA 1	3650000	2.33	15.0	16.9	112.0
PFTrDA 1	2550000	2.40	15.0	13.9	92.7
PFTeDA 1	2600000	2.46	15.0	15.2	101.0
6:2-FTS 1	781000	1.86	15.0	16.2	108.0
8:2-FTS 1	1320000	2.12	15.0	15.0	99.9
13C2-PFHxA	2420000	1.47	100.	105.	105.0
18O2-PFHxS	698000	1.73	100.	109.	109.0
13C4-PFHpA	2270000	1.72	100.	103.	103.0
13C4-PFOA	2220000	1.89	100.	106.	106.0
13C4-PFOS	944000	2.01	100.	110.	110.0
13C5-PFNA	2150000	2.03	100.	98.0	98.0
13C2-PFDA	2130000	2.15	100.	85.1	85.1
13C2-PFUnA	2000000	2.24	100.	102.	102.0
13C2-PFDoA	1660000	2.32	100.	93.3	93.3
13C2-PFTeDA	1360000	2.46	100.	96.9	96.9
13C2-8:2 FTS	611000	2.12	100.	95.0	95.0
13C6-PFHxA	1910000	1.46	100.	94.2	94.2
13C9-PFDA	5400000	2.14	100.	105.	105.0
13C2-6:2-FTS	731000	1.86	100.	107.	107.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.73(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.47(1.43) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.72(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

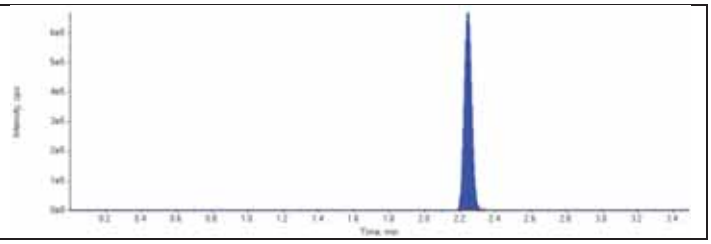
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



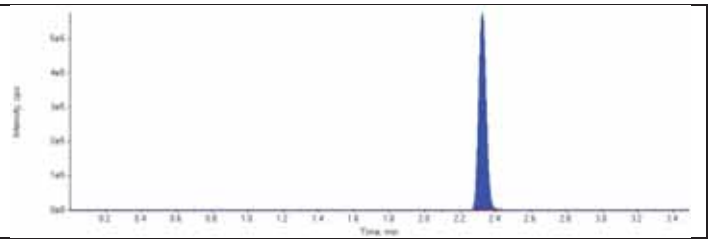
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



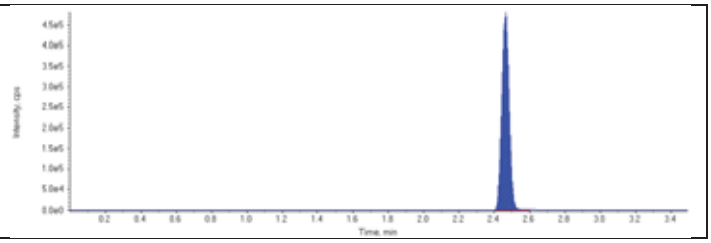
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



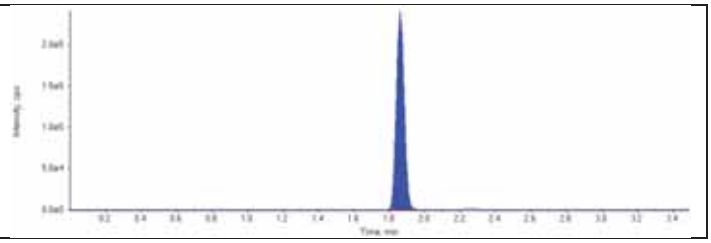
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



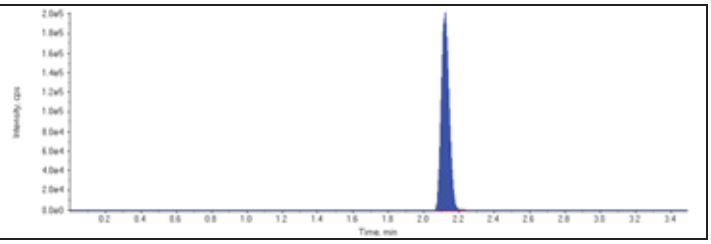
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



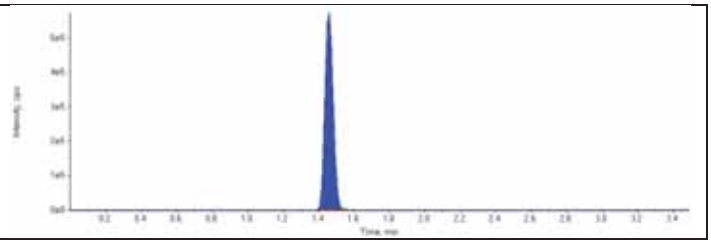
M2 8:2 FTS (Internal Standard)

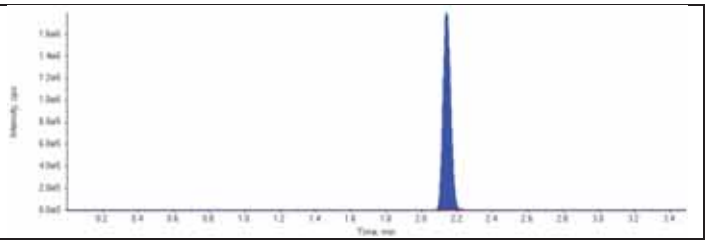
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

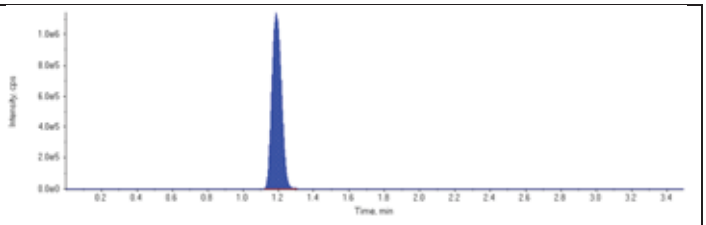
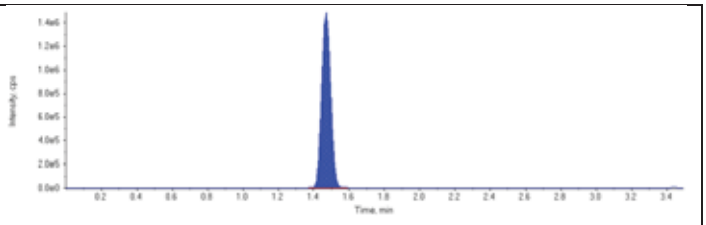
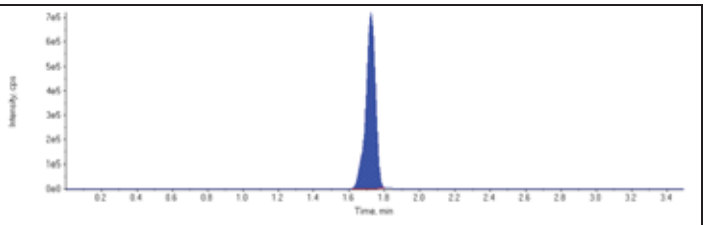
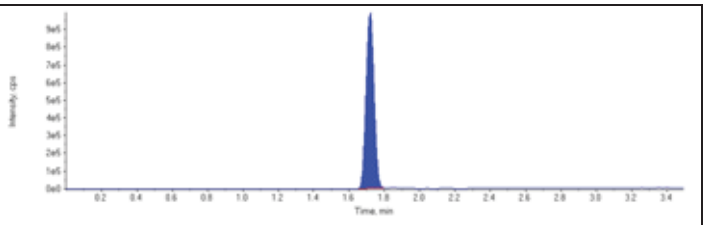
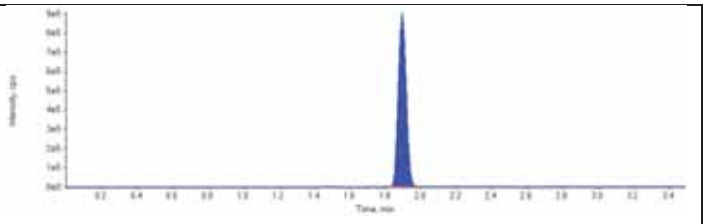
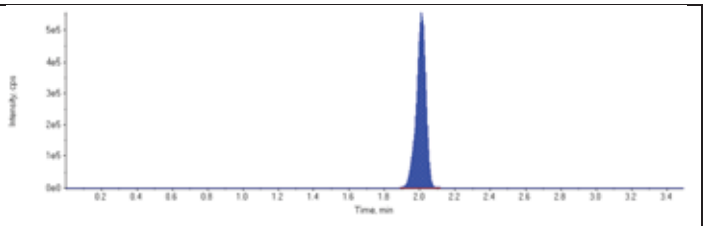


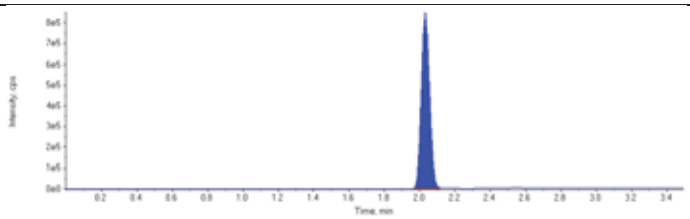
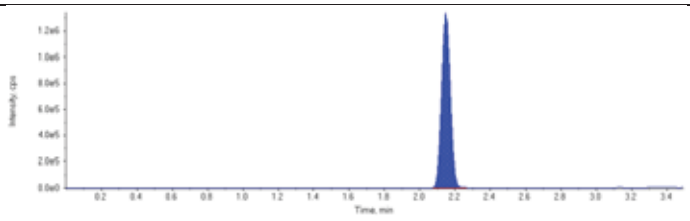
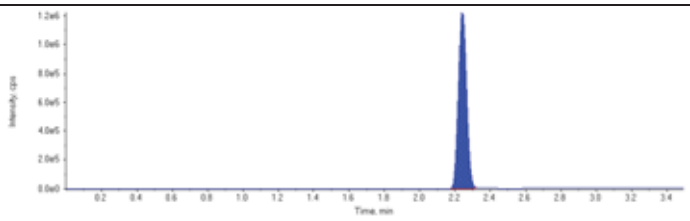
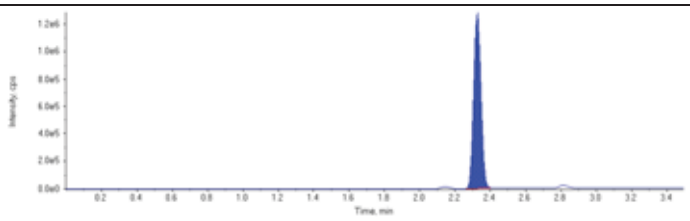
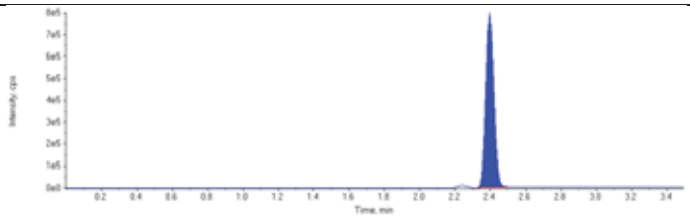
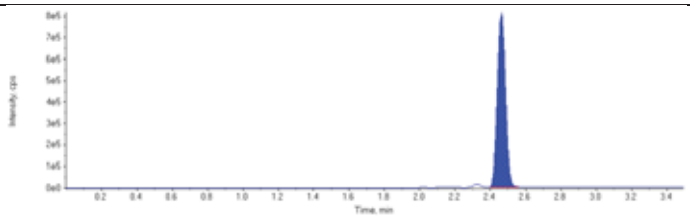
13C6-PFHxA IS (Internal Standard)

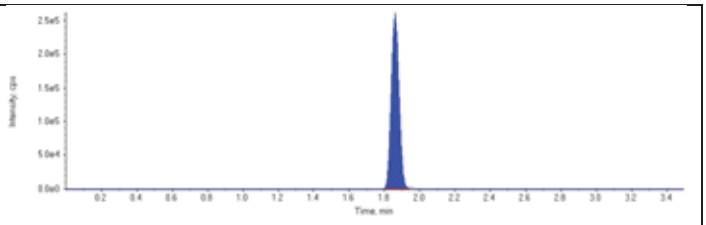
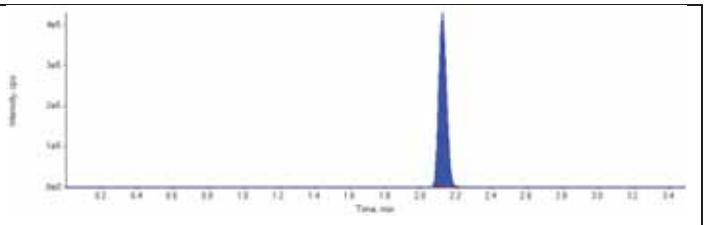
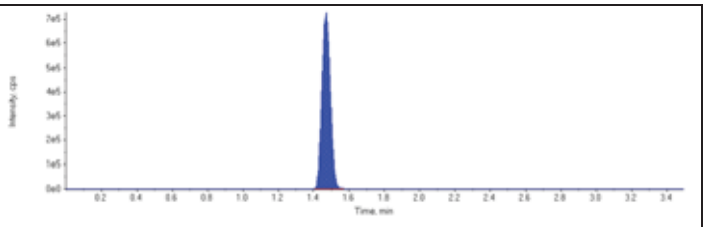
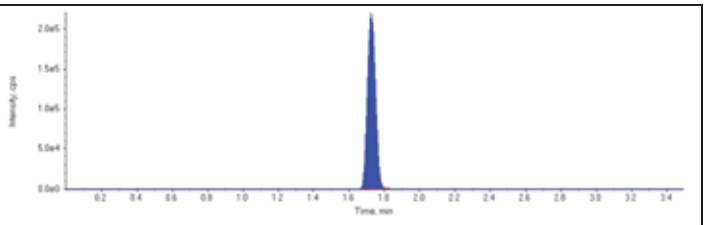
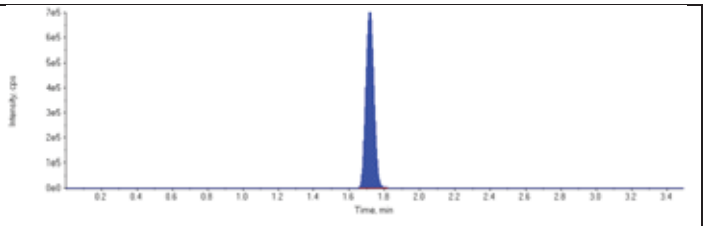
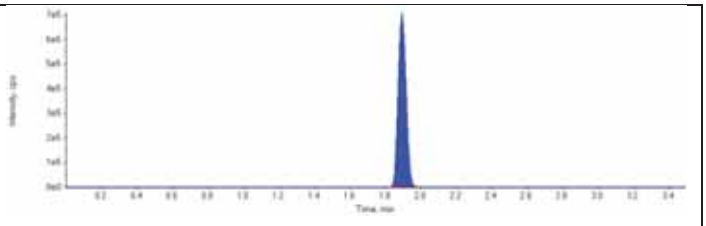
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

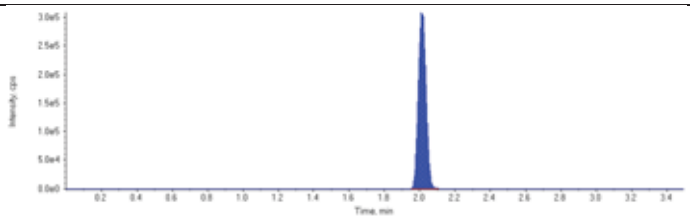
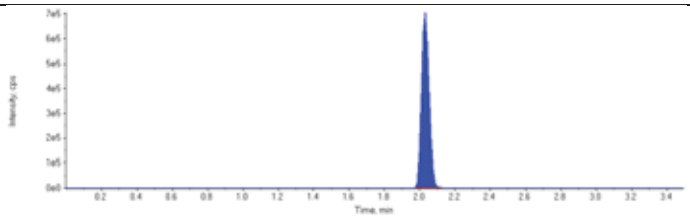
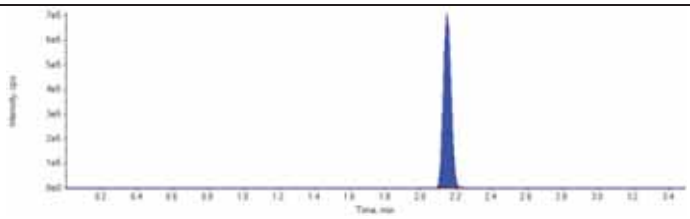
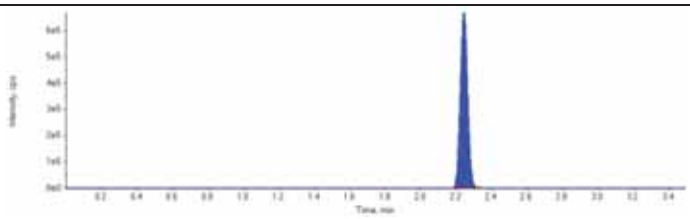
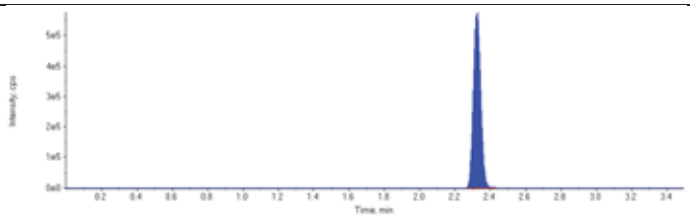
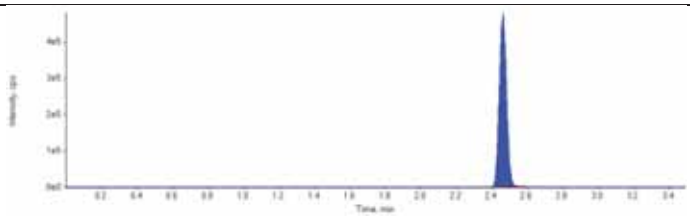


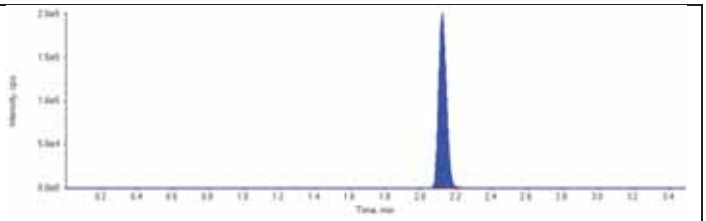
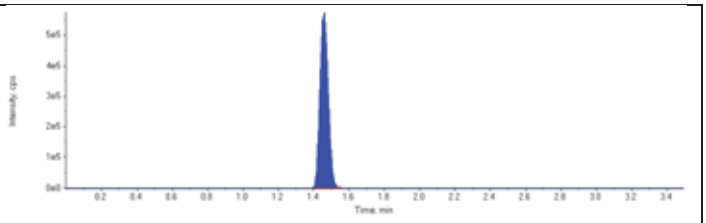
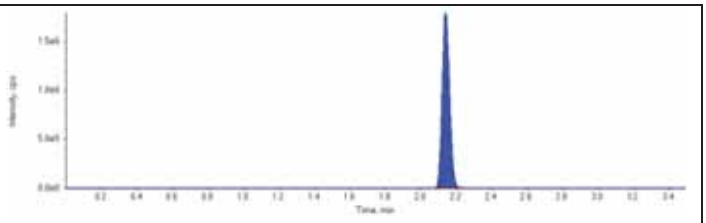
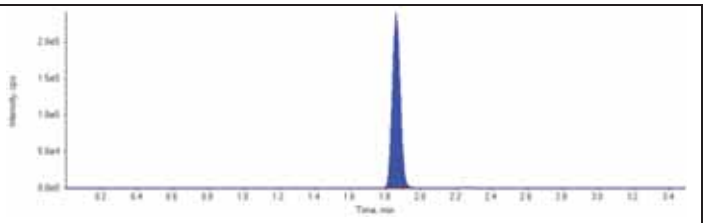
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 15.8 µg/L Area Ratio: 6.04 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 16.8 µg/L Area Ratio: 2.19 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 15.5 µg/L Area Ratio: 3.81 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 15.9 µg/L Area Ratio: 1.38 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 15.6 µg/L Area Ratio: 1.28 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 14.7 µg/L Area Ratio: 2.16 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 15.7 µg/L Area Ratio: 1.30 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 18.2 µg/L Area Ratio: 2.16 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 15.0 µg/L Area Ratio: 1.99 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.33 (2.32) min Calculated Conc: 16.9 µg/L Area Ratio: 2.20 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 13.9 µg/L Area Ratio: 1.88 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 15.2 µg/L Area Ratio: 1.92 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 16.2 µg/L Area Ratio: 1.07 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 15.0 µg/L Area Ratio: 2.15 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 105. µg/L Area Ratio: 1.27 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 109. µg/L Area Ratio: 0.366 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 103. µg/L Area Ratio: 1.19 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 106. µg/L Area Ratio: 1.17 Sample Type: (Quality Control)	

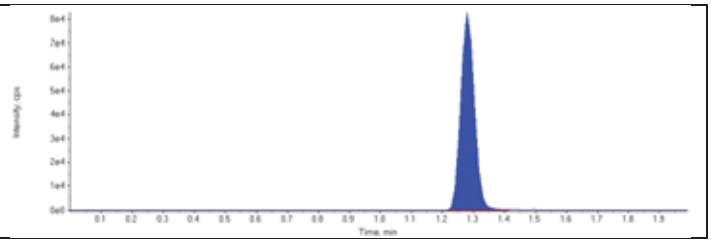
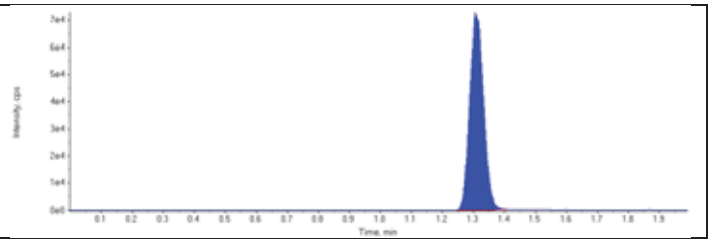
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 110. µg/L Area Ratio: 0.495 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 98.0 µg/L Area Ratio: 1.13 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 85.1 µg/L Area Ratio: 0.394 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 102. µg/L Area Ratio: 0.371 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 93.3 µg/L Area Ratio: 0.308 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 96.9 µg/L Area Ratio: 0.251 Sample Type: (Quality Control)	

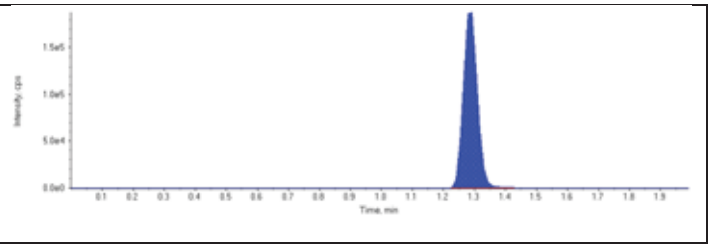
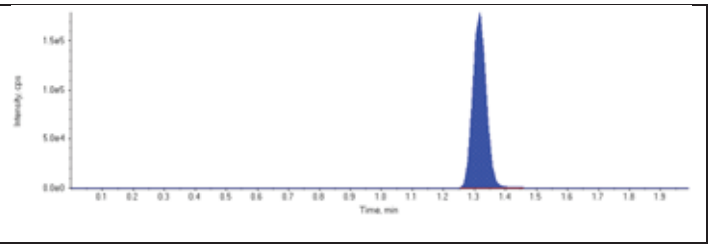
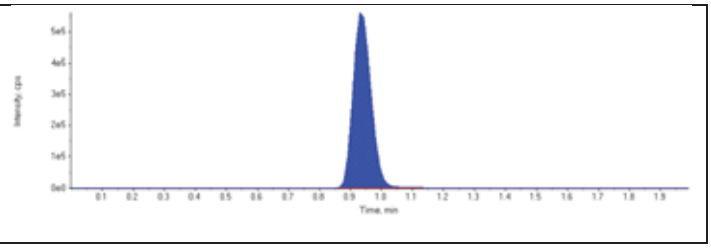
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 95.0 µg/L Area Ratio: 0.320 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 94.2 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 105. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 107. µg/L Area Ratio: 0.384 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	2
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/27 10:06:33 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838_FOSAA.wiff		
Result Table	PFC_Water_170227_4871838_High_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	251000.	1.28	1.00	-
D5-EtFOSAA IS	225000.	1.31	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	602000	1.29	15.0	15.3	102.0
EtFOSAA 1	534000	1.32	15.0	16.8	112.0
13C9-PFDA	2290000	0.935	100.	87.6	87.6

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.28(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.31(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.29 (1.30) min Calculated Conc: 15.3 µg/L Area Ratio: 2.40 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.32 (1.31) min Calculated Conc: 16.8 µg/L Area Ratio: 2.37 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.935 (0.855) min Calculated Conc: 87.6 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

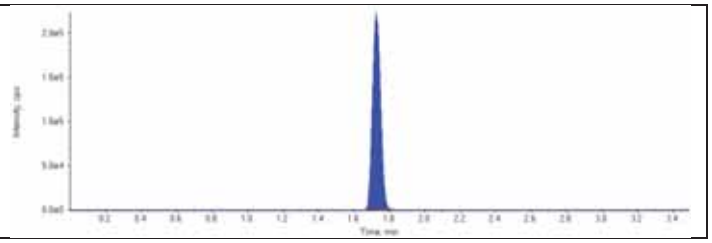
Sample ID	CCV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/27 8:02:49 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	701000.	1.73	1.00	-
MPFHxA	2440000.	1.47	1.00	-
MPFHpA	2300000.	1.72	1.00	-
MPFOA	2290000.	1.89	1.00	-
MPFOS	888000.	2.01	1.00	-
MPFNA	2290000.	2.03	1.00	-
MPFDA	2310000.	2.15	1.00	-
MPFUnA	1970000.	2.24	1.00	-
MPFDoA	1650000.	2.32	1.00	-
MPFTeDA	1440000.	2.46	1.00	-
M2 6:2 FTS	748000.	1.86	1.00	-
M2 8:2 FTS	635000.	2.12	1.00	-
13C6-PFHxA IS	1770000.	1.46	1.00	-
13C9-PFDA IS	5120000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	4140000	1.19	15.0	15.5	103.0
PFHxA 1	5250000	1.47	15.0	16.6	110.0
PFHxS 1	2690000	1.72	15.0	15.7	104.0
PFHpA 1	3150000	1.72	15.0	15.8	105.0
PFOA 1	2850000	1.89	15.0	15.3	102.0
PFOS 1	2020000	2.01	15.0	15.5	103.0
PFNA 1	2680000	2.03	15.0	14.1	94.2
PFDA 1	4570000	2.15	15.0	16.7	111.0
PFUnA 1	3890000	2.24	15.0	14.8	99.0
PFDoA 1	3640000	2.32	15.0	16.9	113.0
PFTrDA 1	2710000	2.40	15.0	13.9	92.9
PFTeDA 1	2550000	2.46	15.0	14.0	93.2
6:2-FTS 1	679000	1.86	15.0	13.8	91.7
8:2-FTS 1	1400000	2.12	15.0	15.3	102.0
13C2-PFHxA	2440000	1.47	100.	113.	113.0
18O2-PFHxS	701000	1.73	100.	118.	118.0
13C4-PFHpA	2300000	1.72	100.	113.	113.0
13C4-PFOA	2290000	1.89	100.	117.	117.0
13C4-PFOS	888000	2.01	100.	111.	111.0
13C5-PFNA	2290000	2.03	100.	113.	113.0
13C2-PFDA	2310000	2.15	100.	97.6	97.6
13C2-PFUnA	1970000	2.24	100.	106.	106.0
13C2-PFDoA	1650000	2.32	100.	97.8	97.8
13C2-PFTeDA	1440000	2.46	100.	109.	109.0
13C2-8:2 FTS	635000	2.12	100.	107.	107.0
13C6-PFHxA	1770000	1.46	100.	87.3	87.3
13C9-PFDA	5120000	2.14	100.	99.3	99.3
13C2-6:2-FTS	748000	1.86	100.	118.	118.0

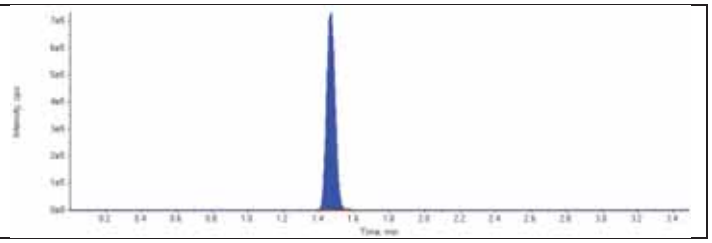
MPFHxS (Internal Standard)

RT (Exp. RT): 1.73(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



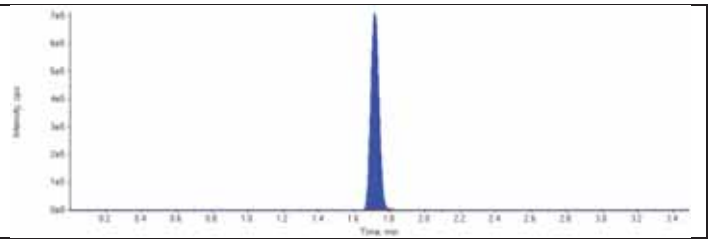
MPFHxA (Internal Standard)

RT (Exp. RT): 1.47(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



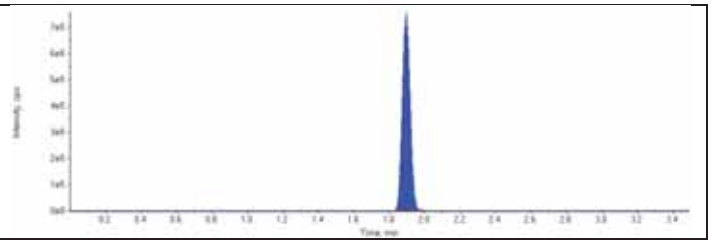
MPFHpA (Internal Standard)

RT (Exp. RT): 1.72(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



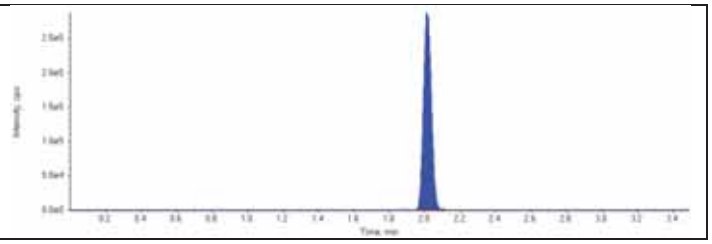
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



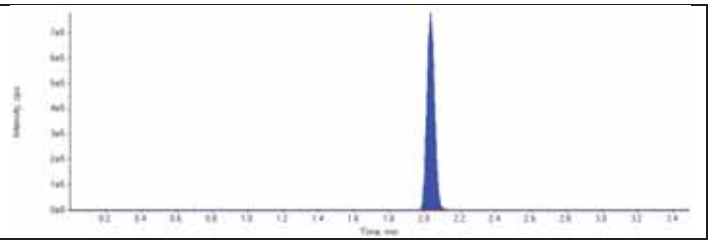
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



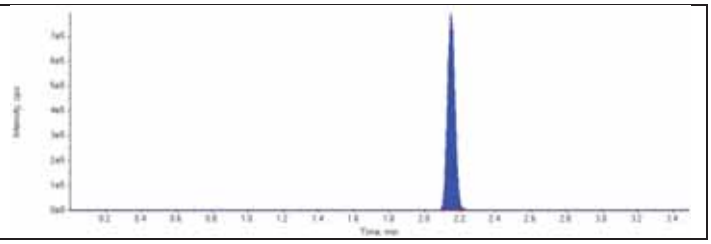
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



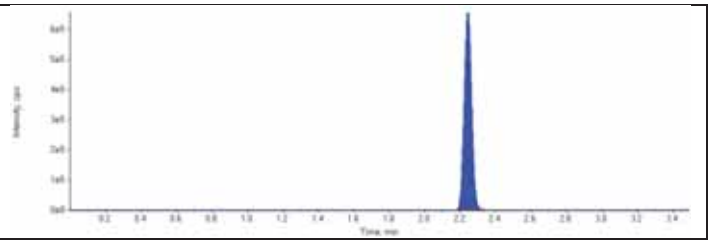
MPFDA (Internal Standard)

RT (Exp. RT): 2.15(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



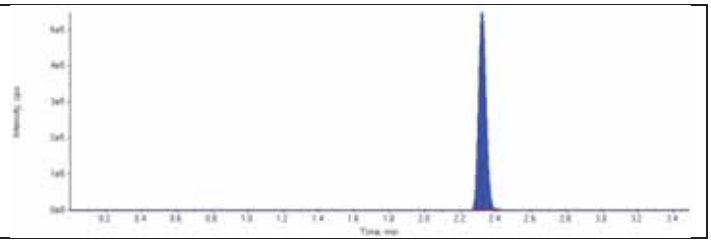
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



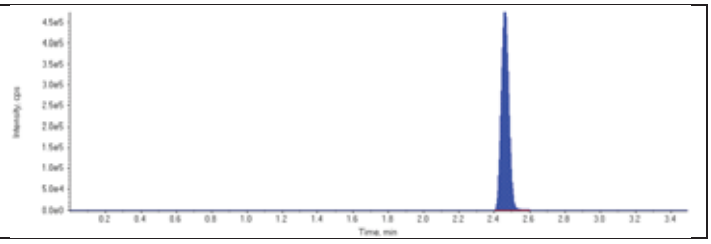
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



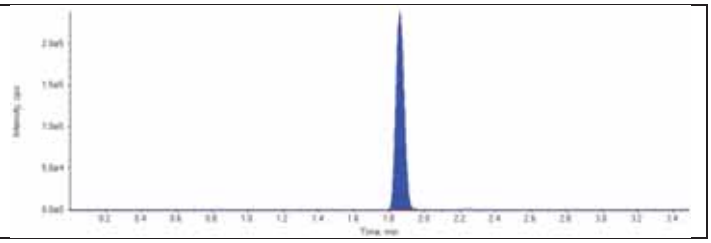
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



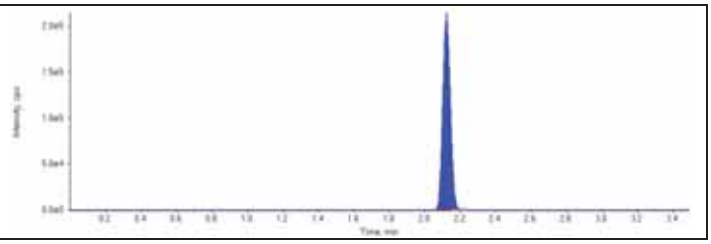
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



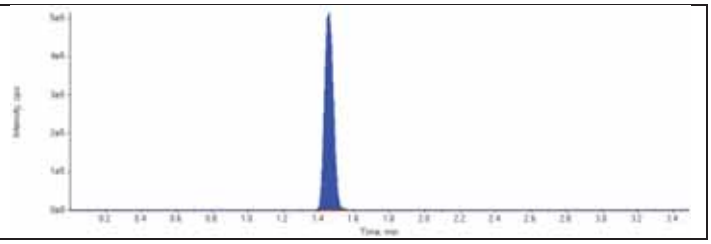
M2 8:2 FTS (Internal Standard)

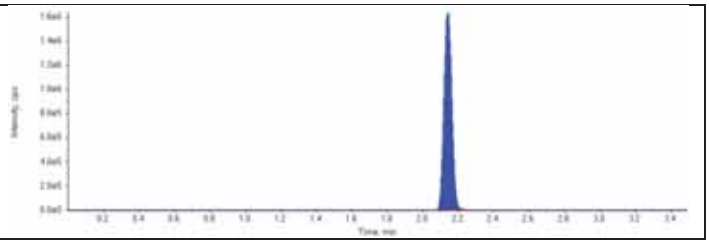
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

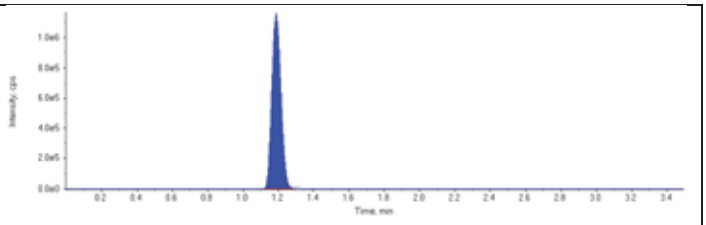
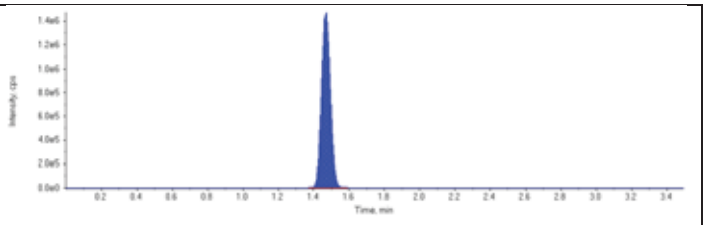
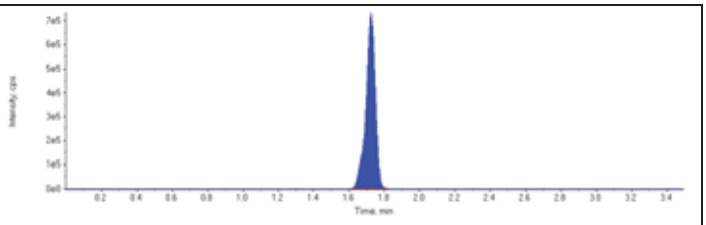
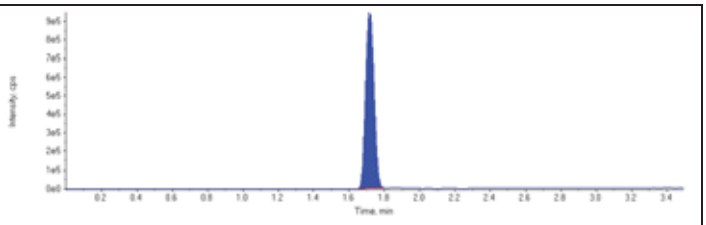
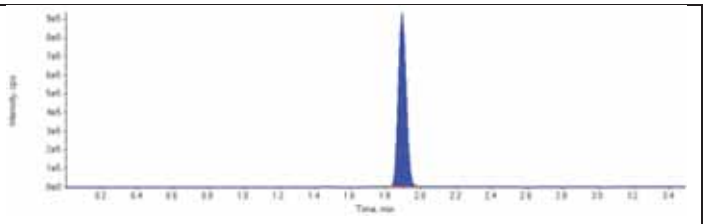
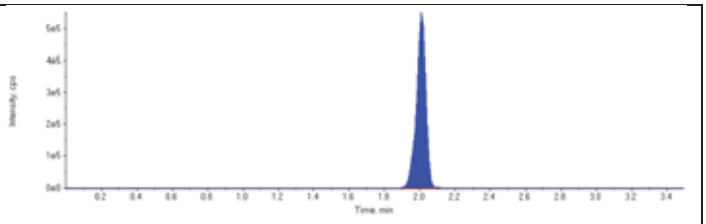


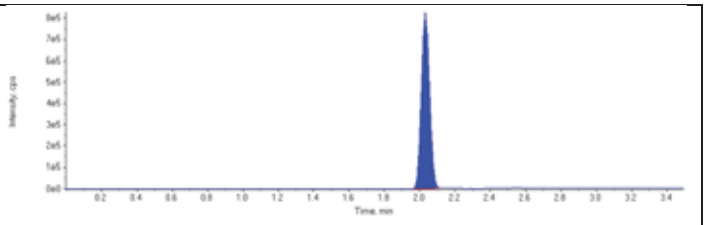
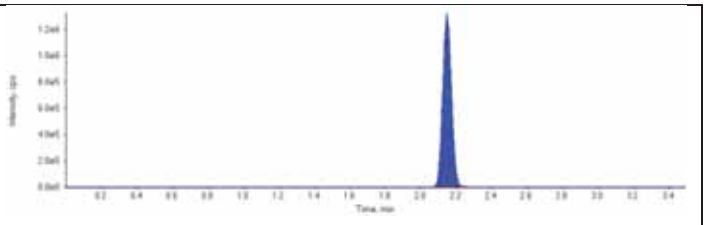
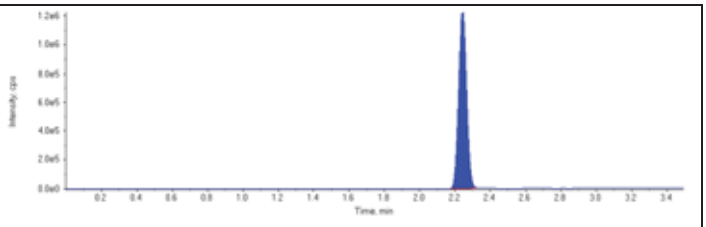
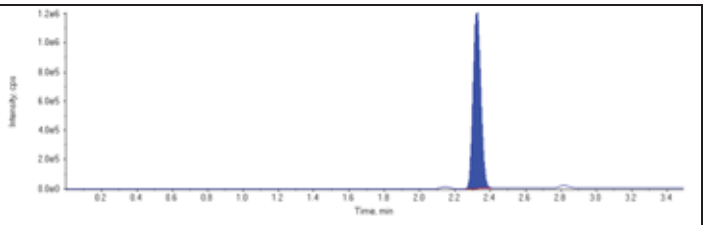
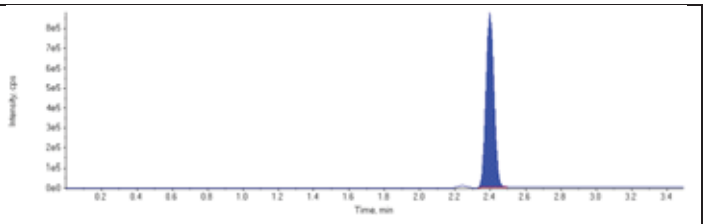
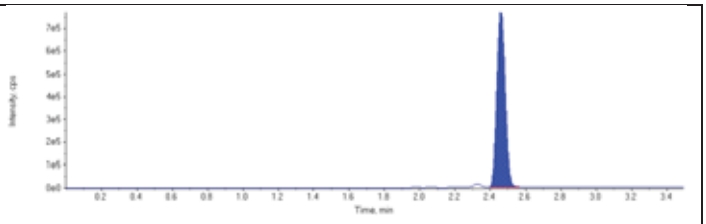
13C6-PFHxA IS (Internal Standard)

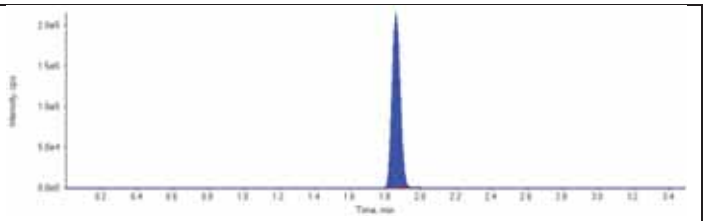
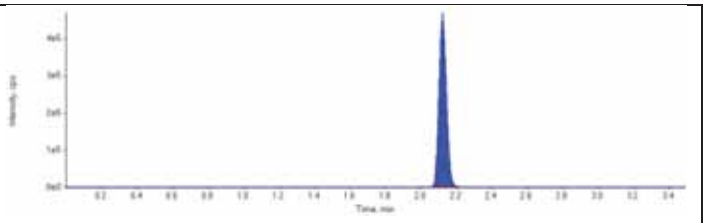
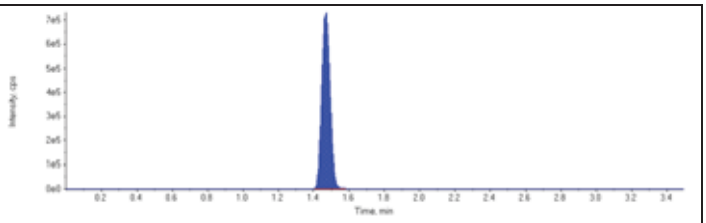
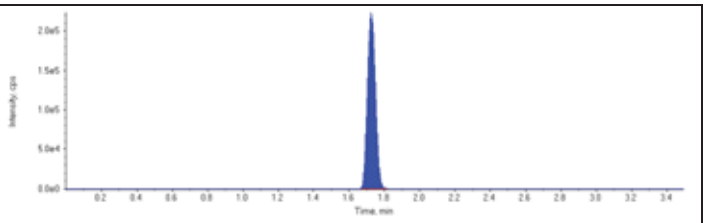
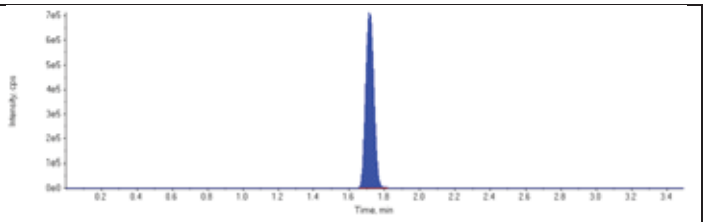
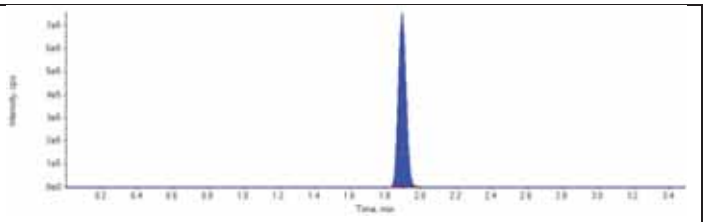
RT (Exp. RT): 1.46(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.19 (1.19) min Calculated Conc: 15.5 µg/L Area Ratio: 5.92 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 16.6 µg/L Area Ratio: 2.15 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 15.7 µg/L Area Ratio: 3.84 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.72 (1.70) min Calculated Conc: 15.8 µg/L Area Ratio: 1.37 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 15.3 µg/L Area Ratio: 1.25 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 15.5 µg/L Area Ratio: 2.27 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 14.1 µg/L Area Ratio: 1.17 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.15 (2.14) min Calculated Conc: 16.7 µg/L Area Ratio: 1.98 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 14.8 µg/L Area Ratio: 1.97 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 16.9 µg/L Area Ratio: 2.20 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 13.9 µg/L Area Ratio: 1.89 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 14.0 µg/L Area Ratio: 1.77 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 13.8 µg/L Area Ratio: 0.908 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 15.3 µg/L Area Ratio: 2.20 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.47 (1.43) min Calculated Conc: 113. µg/L Area Ratio: 1.38 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.73 (1.68) min Calculated Conc: 118. µg/L Area Ratio: 0.396 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.72 (1.69) min Calculated Conc: 113. µg/L Area Ratio: 1.30 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 117. µg/L Area Ratio: 1.29 Sample Type: (Quality Control)	

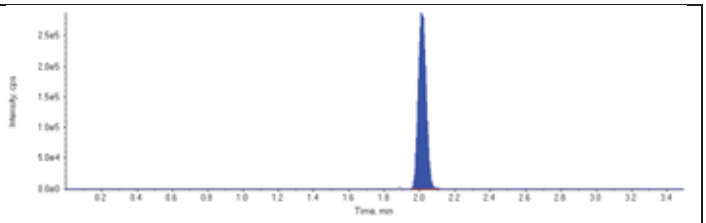
13C4-PFOS (502.900/79.900 Da)

RT (Exp. RT): 2.01 (1.97) min

Calculated Conc: 111. µg/L

Area Ratio: 0.502

Sample Type: (Quality Control)



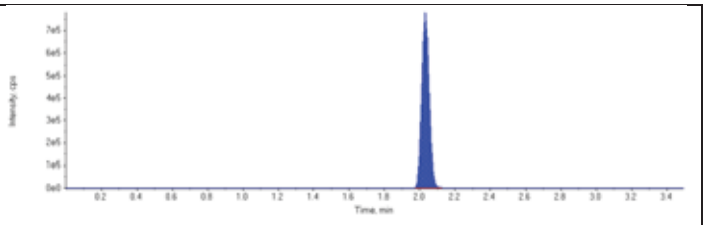
13C5-PFNA (467.900/423.000 Da)

RT (Exp. RT): 2.03 (2.02) min

Calculated Conc: 113. µg/L

Area Ratio: 1.30

Sample Type: (Quality Control)



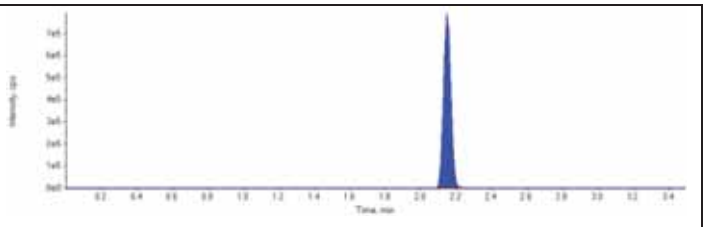
13C2-PFDA (514.900/470.000 Da)

RT (Exp. RT): 2.15 (2.14) min

Calculated Conc: 97.6 µg/L

Area Ratio: 0.452

Sample Type: (Quality Control)



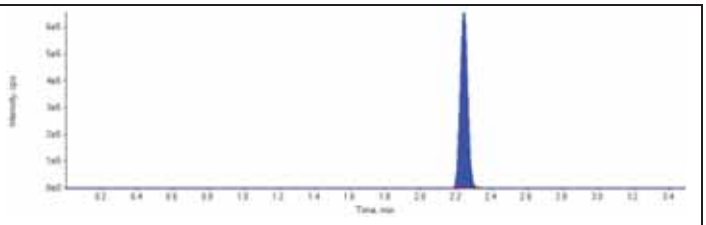
13C2-PFUnA (564.900/520.000 Da)

RT (Exp. RT): 2.24 (2.24) min

Calculated Conc: 106. µg/L

Area Ratio: 0.385

Sample Type: (Quality Control)



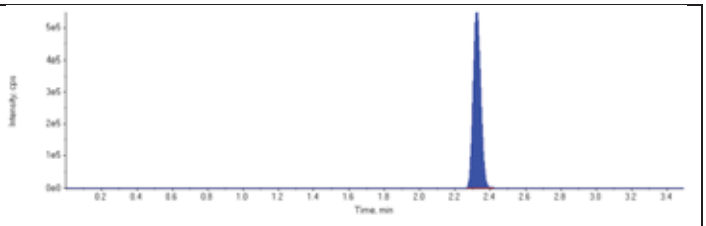
13C2-PFDoA (614.900/570.000 Da)

RT (Exp. RT): 2.32 (2.32) min

Calculated Conc: 97.8 µg/L

Area Ratio: 0.323

Sample Type: (Quality Control)



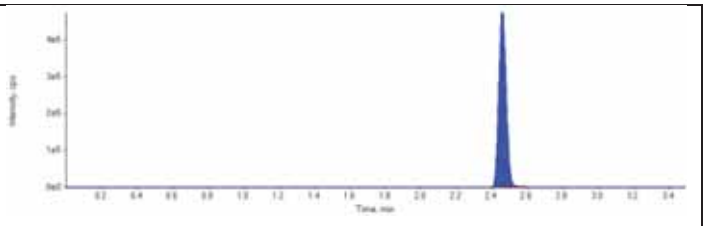
13C2-PFTeDA (714.900/669.900 Da)

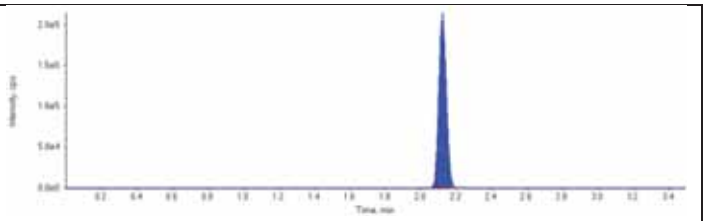
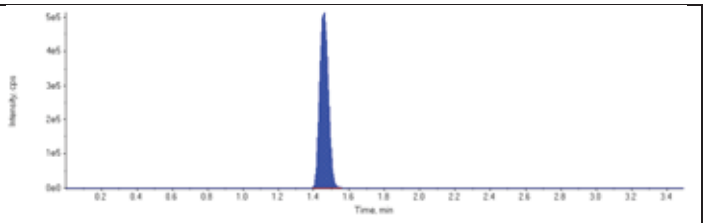
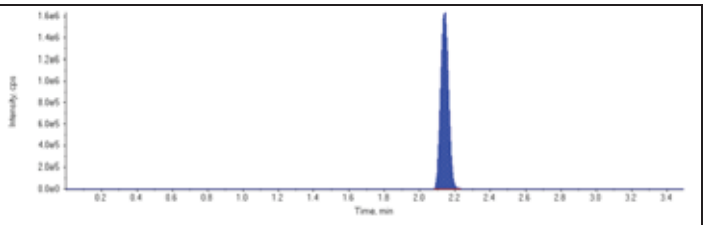
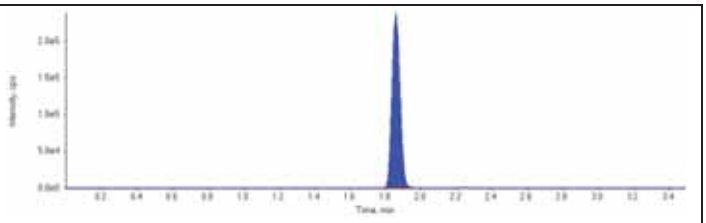
RT (Exp. RT): 2.46 (2.46) min

Calculated Conc: 109. µg/L

Area Ratio: 0.281

Sample Type: (Quality Control)



13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 107. µg/L Area Ratio: 0.359 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.42) min Calculated Conc: 87.3 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 99.3 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 118. µg/L Area Ratio: 0.423 Sample Type: (Quality Control)	

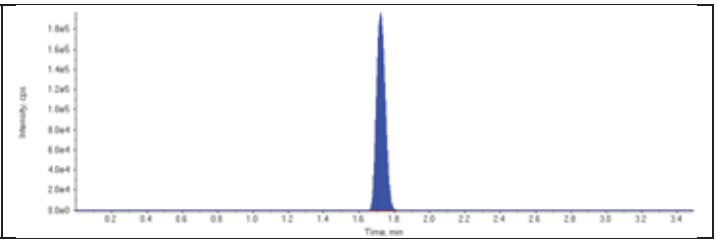
Sample ID	CCV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/28 7:42:47 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	659000.	1.72	1.00	-
MPFHxA	2340000.	1.46	1.00	-
MPFHpA	2370000.	1.71	1.00	-
MPFOA	2250000.	1.89	1.00	-
MPFOS	861000.	2.01	1.00	-
MPFNA	2330000.	2.03	1.00	-
MPFDA	2400000.	2.14	1.00	-
MPFUnA	1730000.	2.24	1.00	-
MPFDoA	1720000.	2.32	1.00	-
MPFTeDA	1190000.	2.46	1.00	-
M2 6:2 FTS	856000.	1.86	1.00	-
M2 8:2 FTS	747000.	2.12	1.00	-
13C6-PFHxA IS	2200000.	1.45	1.00	-
13C9-PFDA IS	4680000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	3770000	1.18	15.0	15.0	100.0
PFHxA 1	5040000	1.46	15.0	16.6	110.0
PFHxS 1	2380000	1.72	15.0	14.7	98.2
PFHpA 1	3480000	1.71	15.0	16.9	113.0
PFOA 1	3120000	1.89	15.0	17.0	113.0
PFOS 1	1870000	2.01	15.0	14.8	98.8
PFNA 1	3570000	2.03	15.0	18.5	124.0
PFDA 1	4840000	2.14	15.0	17.0	113.0
PFUnA 1	3700000	2.24	15.0	16.1	107.0
PFDoA 1	3310000	2.32	15.0	14.8	98.4
PFTrDA 1	2830000	2.40	15.0	17.6	117.0
PFTeDA 1	2360000	2.46	15.0	15.7	105.0
6:2-FTS 1	883000	1.86	15.0	15.6	104.0
8:2-FTS 1	1610000	2.12	15.0	15.0	100.0
13C2-PFHxA	2340000	1.46	100.	87.6	87.6
18O2-PFHxS	659000	1.72	100.	89.1	89.1
13C4-PFHpA	2370000	1.71	100.	93.8	93.8
13C4-PFOA	2250000	1.89	100.	92.7	92.7
13C4-PFOS	861000	2.01	100.	86.8	86.8
13C5-PFNA	2330000	2.03	100.	92.2	92.2
13C2-PFDA	2400000	2.14	100.	111.	111.0
13C2-PFUnA	1730000	2.24	100.	101.	101.0
13C2-PFDoA	1720000	2.32	100.	111.	111.0
13C2-PFTeDA	1190000	2.46	100.	98.0	98.0
13C2-8:2 FTS	747000	2.12	100.	101.	101.0
13C6-PFHxA	2200000	1.45	100.	109.	109.0
13C9-PFDA	4680000	2.14	100.	90.9	90.9
13C2-6:2-FTS	856000	1.86	100.	109.	109.0

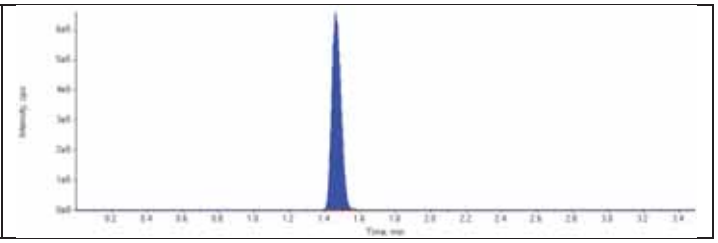
MPFHxS (Internal Standard)

RT (Exp. RT): 1.72(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



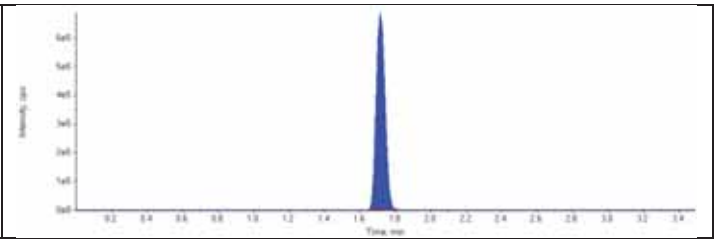
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



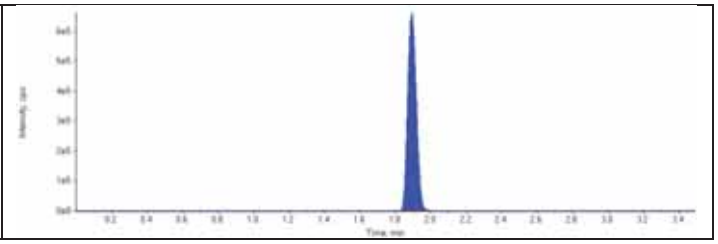
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



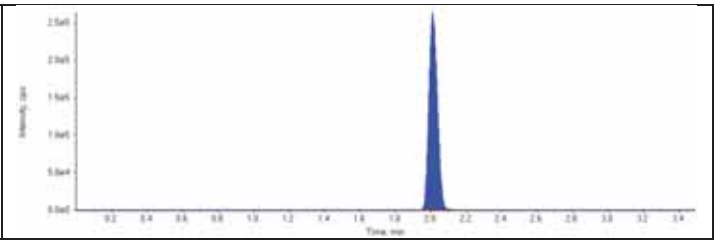
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



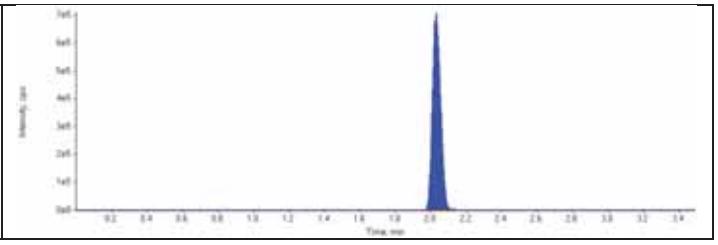
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



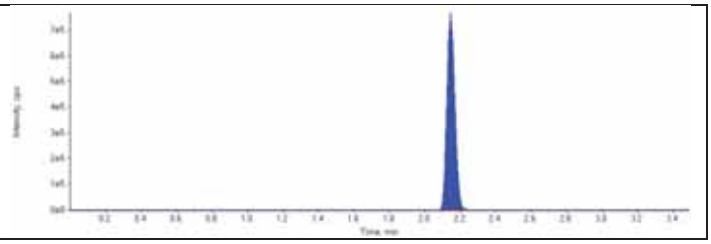
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



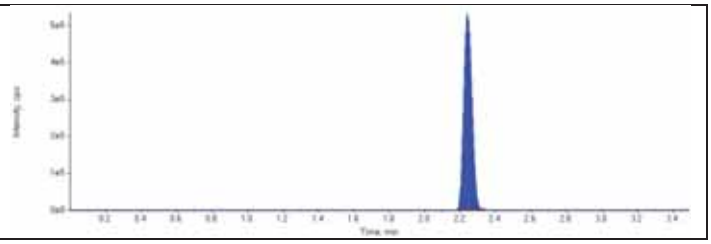
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



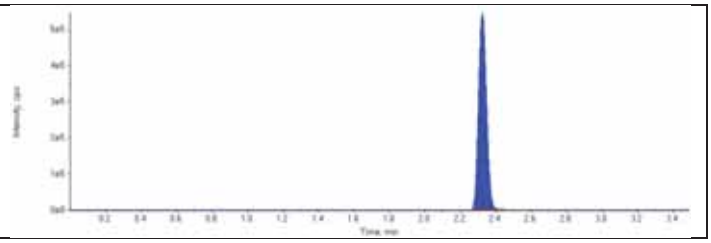
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



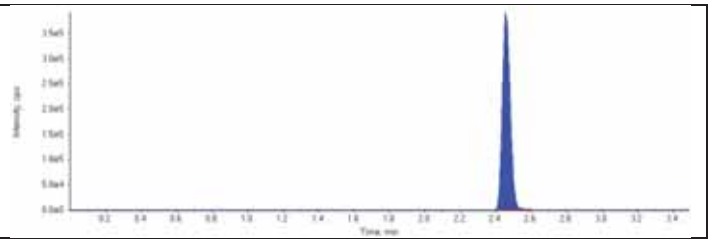
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



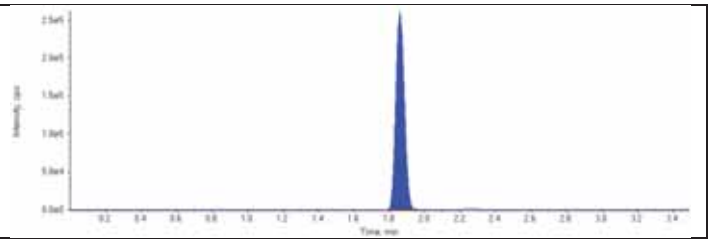
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



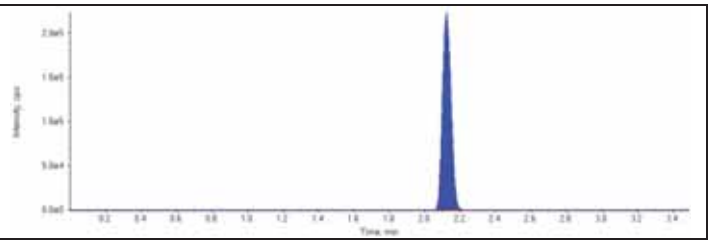
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



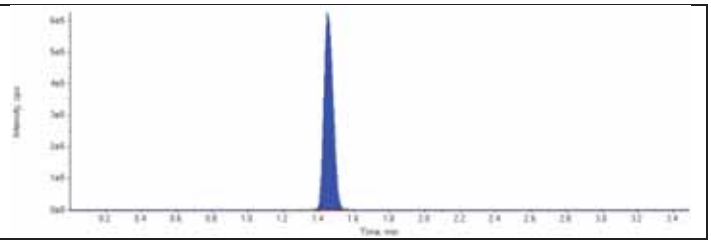
M2 8:2 FTS (Internal Standard)

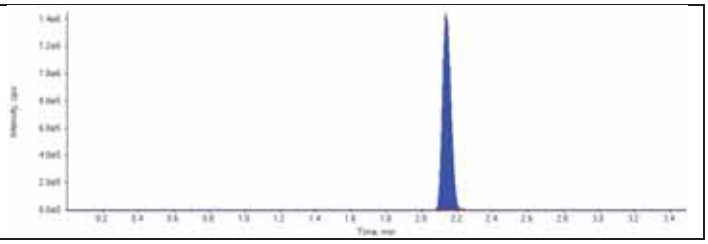
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

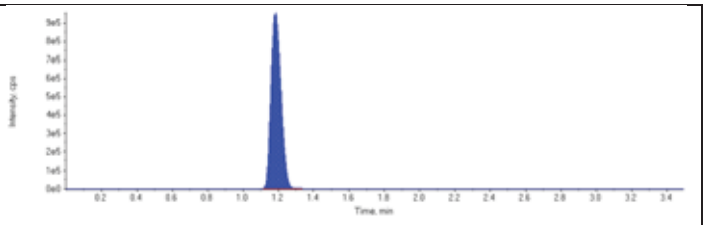
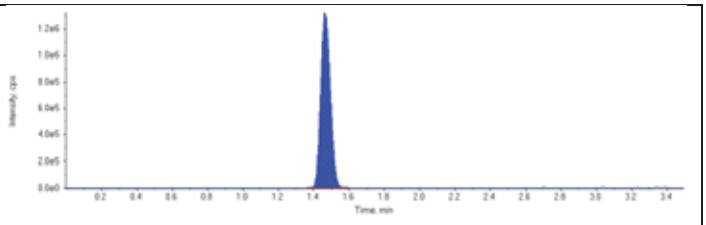
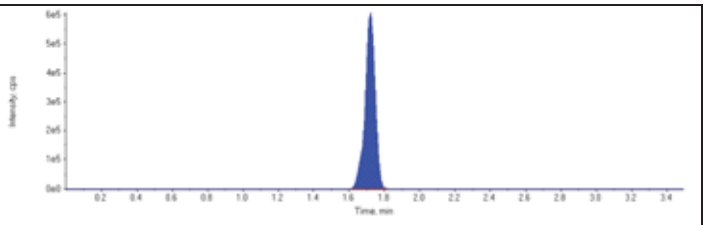
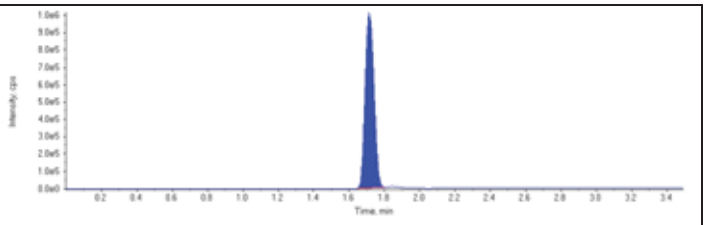
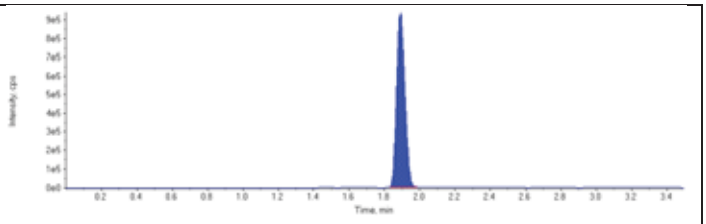
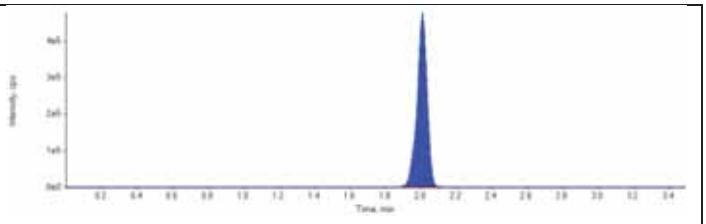


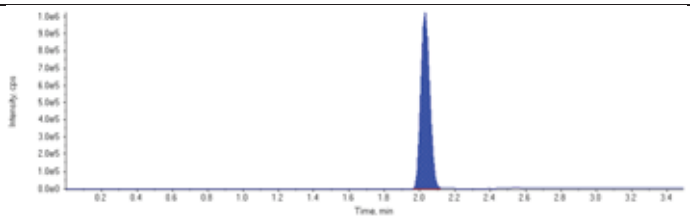
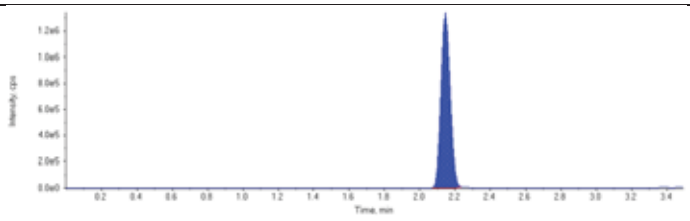
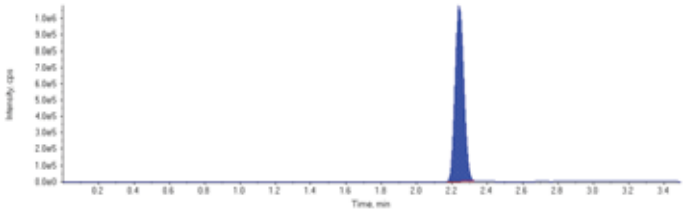
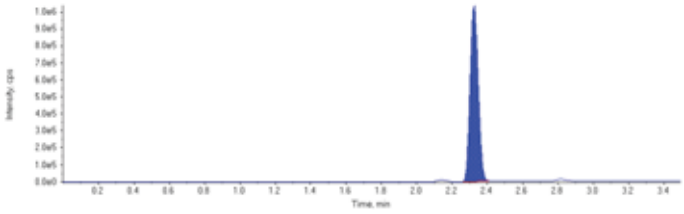
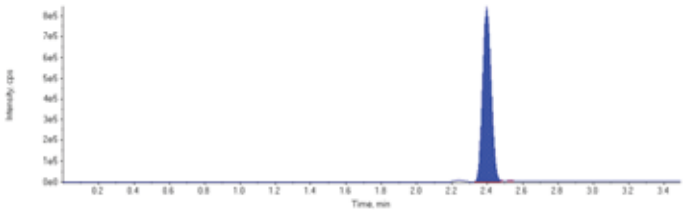
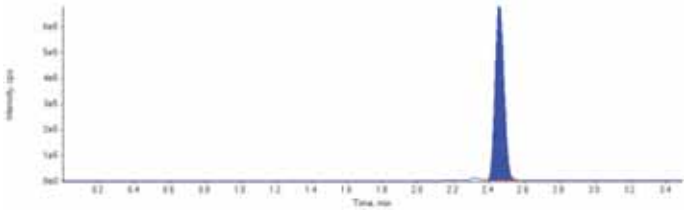
13C6-PFHxA IS (Internal Standard)

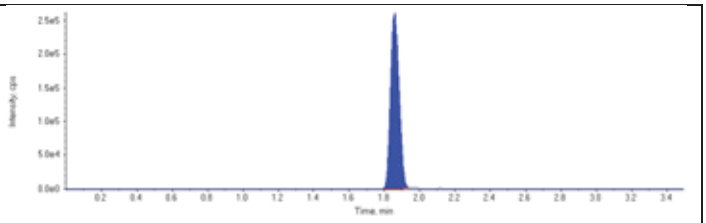
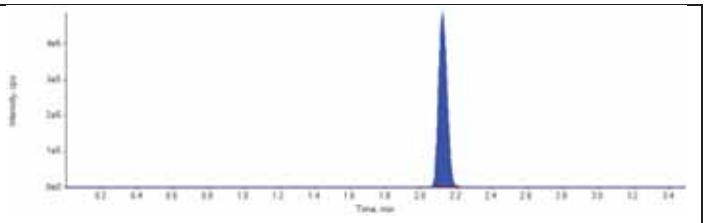
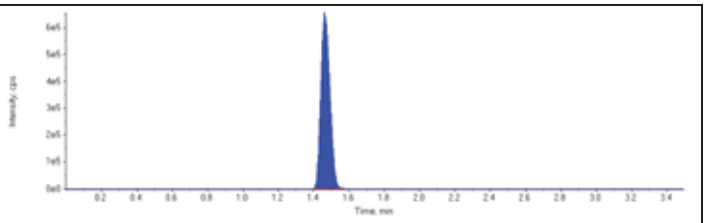
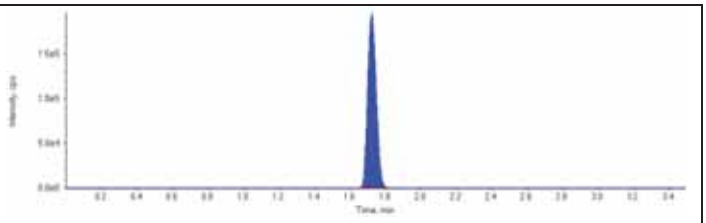
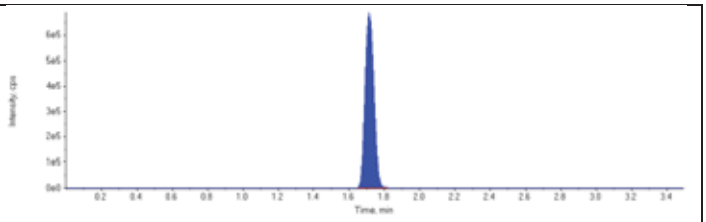
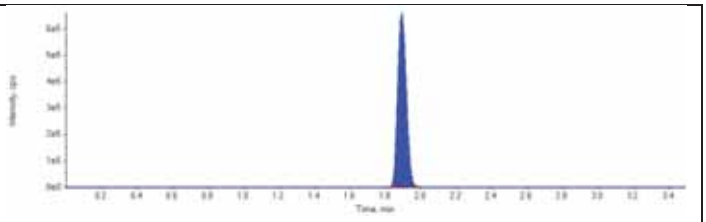
RT (Exp. RT): 1.45(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

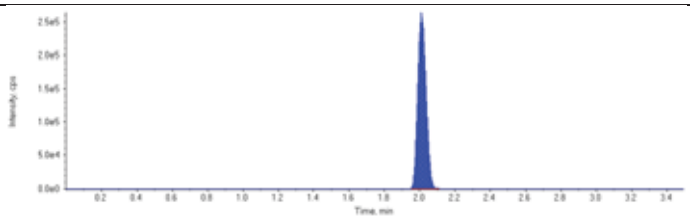
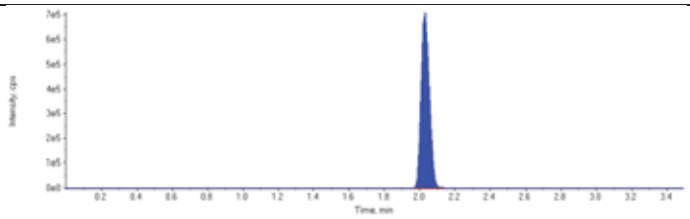
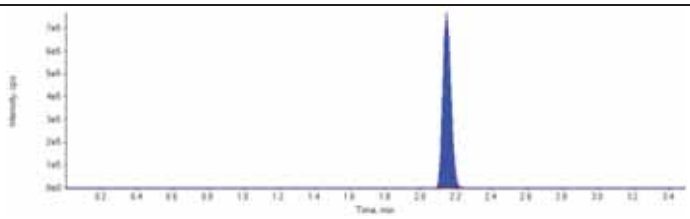
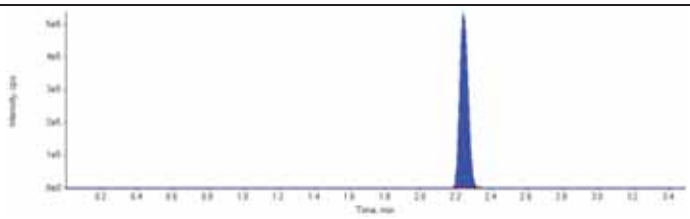
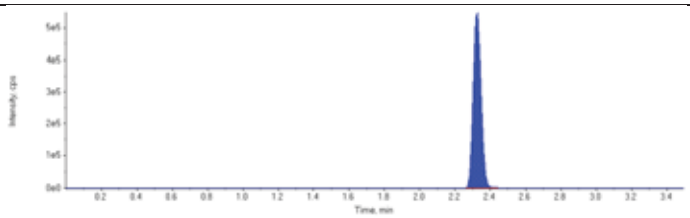
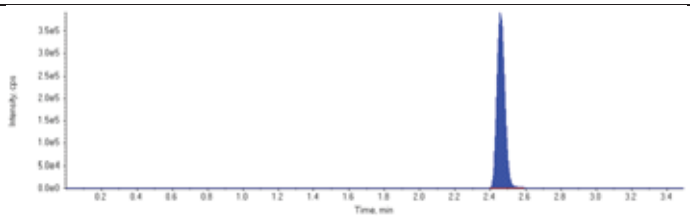


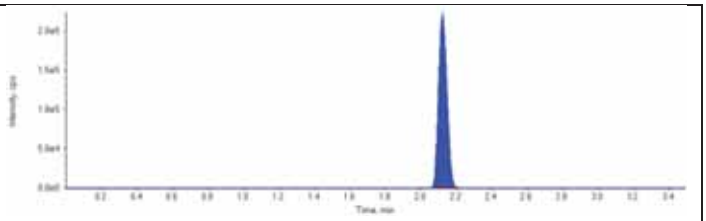
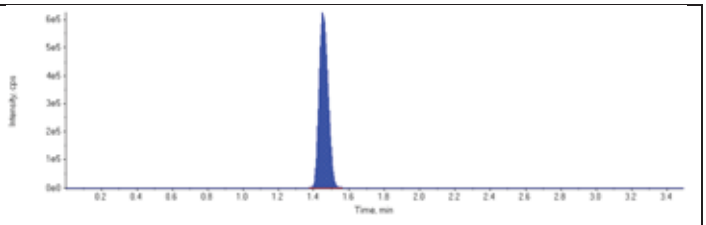
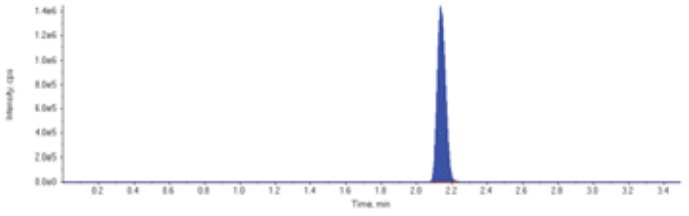
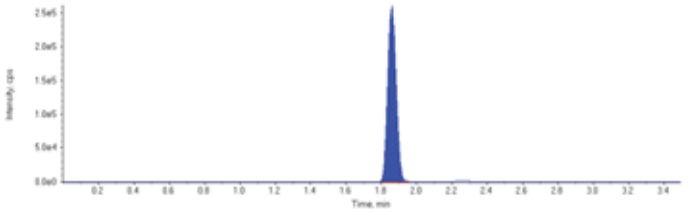
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.18 (1.19) min Calculated Conc: 15.0 µg/L Area Ratio: 5.72 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 16.6 µg/L Area Ratio: 2.16 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 14.7 µg/L Area Ratio: 3.62 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.70) min Calculated Conc: 16.9 µg/L Area Ratio: 1.47 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 17.0 µg/L Area Ratio: 1.39 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 14.8 µg/L Area Ratio: 2.17 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 18.5 µg/L Area Ratio: 1.53 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 17.0 µg/L Area Ratio: 2.01 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 16.1 µg/L Area Ratio: 2.14 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 14.8 µg/L Area Ratio: 1.92 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 17.6 µg/L Area Ratio: 2.38 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 15.7 µg/L Area Ratio: 1.99 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 15.6 µg/L Area Ratio: 1.03 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 15.0 µg/L Area Ratio: 2.16 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 87.6 µg/L Area Ratio: 1.06 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 89.1 µg/L Area Ratio: 0.300 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 93.8 µg/L Area Ratio: 1.08 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 92.7 µg/L Area Ratio: 1.02 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 86.8 µg/L Area Ratio: 0.392 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 92.2 µg/L Area Ratio: 1.06 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 111. µg/L Area Ratio: 0.513 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 101. µg/L Area Ratio: 0.369 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 111. µg/L Area Ratio: 0.367 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 98.0 µg/L Area Ratio: 0.254 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 101. µg/L Area Ratio: 0.340 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.42) min Calculated Conc: 109. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 90.9 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 109. µg/L Area Ratio: 0.390 Sample Type: (Quality Control)	

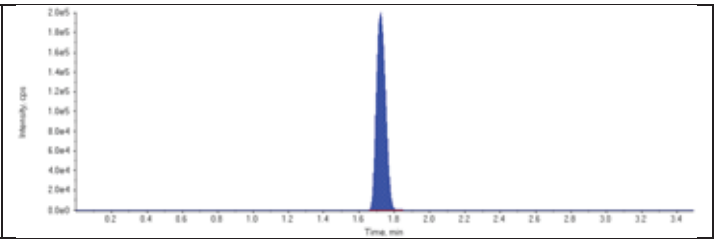
Sample ID	CCV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/28 8:50:48 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	708000.	1.72	1.00	-
MPFHxA	2460000.	1.46	1.00	-
MPFHpA	2370000.	1.71	1.00	-
MPFOA	2260000.	1.89	1.00	-
MPFOS	929000.	2.01	1.00	-
MPFNA	2250000.	2.03	1.00	-
MPFDA	2270000.	2.14	1.00	-
MPFUnA	1820000.	2.24	1.00	-
MPFDoA	1760000.	2.32	1.00	-
MPFTeDA	1240000.	2.46	1.00	-
M2 6:2 FTS	772000.	1.86	1.00	-
M2 8:2 FTS	660000.	2.12	1.00	-
13C6-PFHxA IS	2000000.	1.45	1.00	-
13C9-PFDA IS	5330000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	4190000	1.18	15.0	15.5	104.0
PFHxA 1	5290000	1.46	15.0	16.5	110.0
PFHxS 1	2730000	1.72	15.0	15.7	105.0
PFHpA 1	3210000	1.71	15.0	15.6	104.0
PFOA 1	2920000	1.89	15.0	15.8	106.0
PFOS 1	2080000	2.01	15.0	15.2	102.0
PFNA 1	3220000	2.03	15.0	17.3	115.0
PFDA 1	4660000	2.14	15.0	17.3	116.0
PFUnA 1	3800000	2.24	15.0	15.8	105.0
PFDoA 1	3930000	2.32	15.0	17.2	114.0
PFTrDA 1	2740000	2.40	15.0	16.3	109.0
PFTeDA 1	2410000	2.46	15.0	15.4	102.0
6:2-FTS 1	687000	1.86	15.0	13.5	89.8
8:2-FTS 1	1510000	2.12	15.0	15.9	106.0
13C2-PFHxA	2460000	1.46	100.	101.	101.0
18O2-PFHxS	708000	1.72	100.	105.	105.0
13C4-PFHpA	2370000	1.71	100.	103.	103.0
13C4-PFOA	2260000	1.89	100.	102.	102.0
13C4-PFOS	929000	2.01	100.	103.	103.0
13C5-PFNA	2250000	2.03	100.	98.0	98.0
13C2-PFDA	2270000	2.14	100.	91.7	91.7
13C2-PFUnA	1820000	2.24	100.	93.4	93.4
13C2-PFDoA	1760000	2.32	100.	100.	100.0
13C2-PFTeDA	1240000	2.46	100.	89.8	89.8
13C2-8:2 FTS	660000	2.12	100.	98.0	98.0
13C6-PFHxA	2000000	1.45	100.	98.8	98.8
13C9-PFDA	5330000	2.14	100.	103.	103.0
13C2-6:2-FTS	772000	1.86	100.	108.	108.0

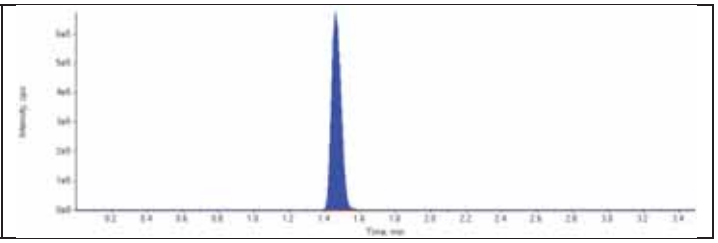
MPFHxS (Internal Standard)

RT (Exp. RT): 1.72(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



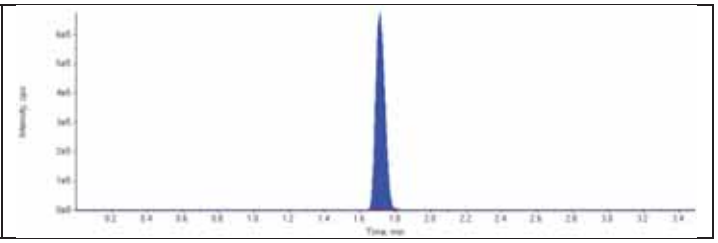
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



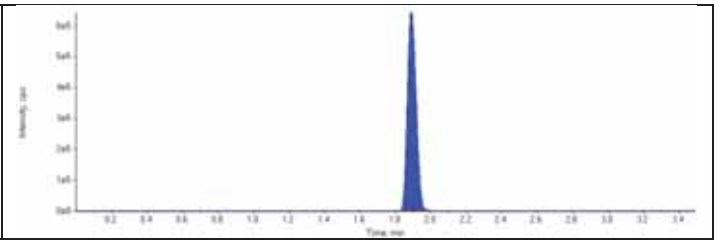
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



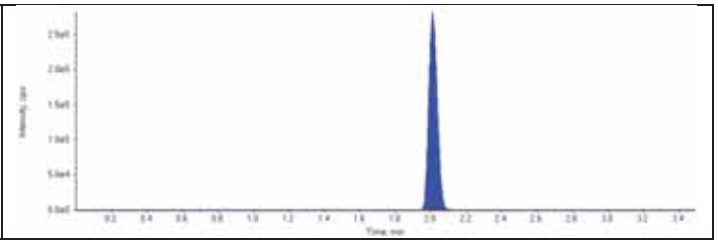
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



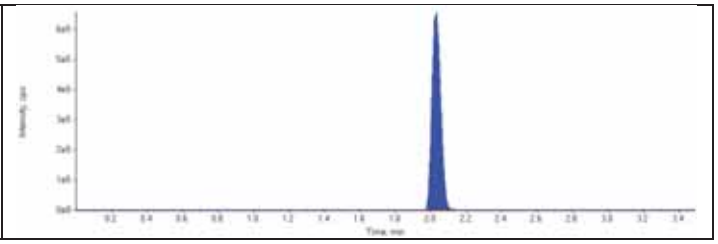
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



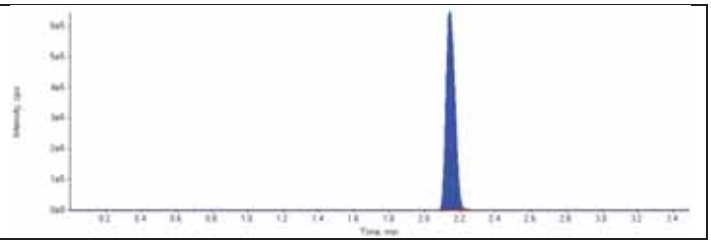
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



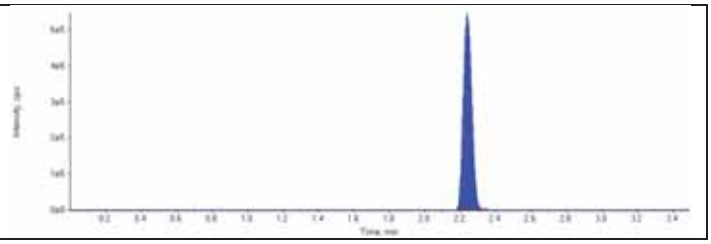
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



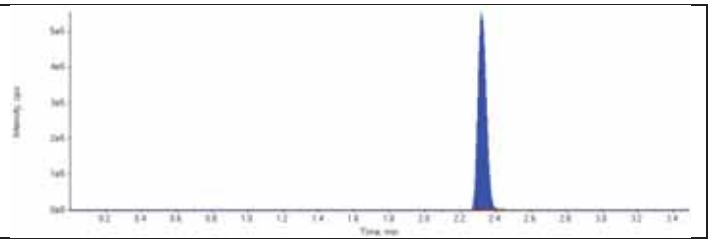
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



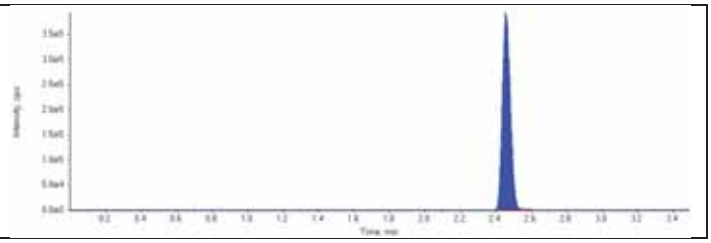
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



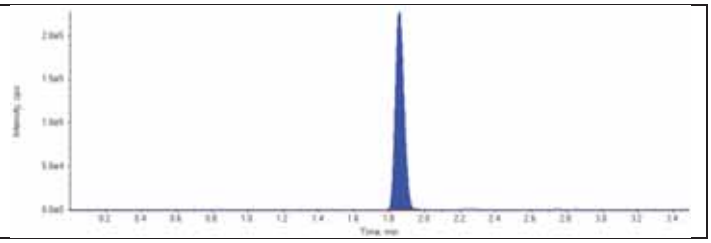
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



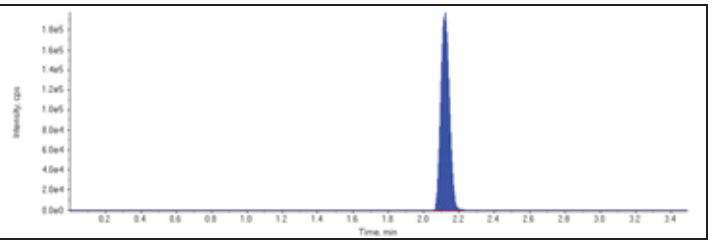
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.86(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



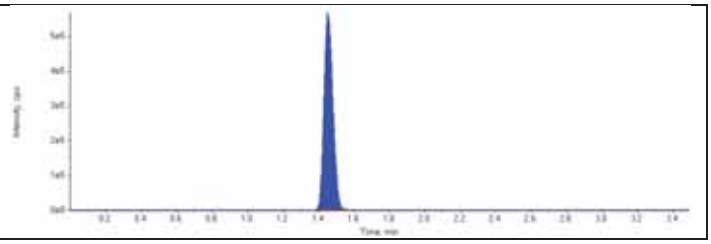
M2 8:2 FTS (Internal Standard)

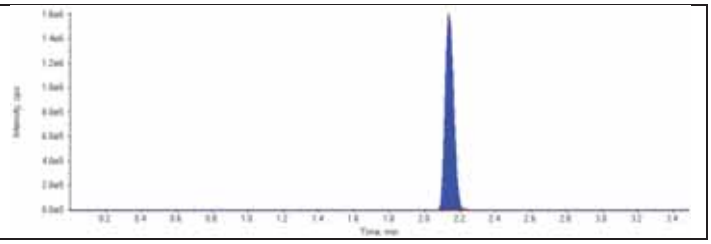
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

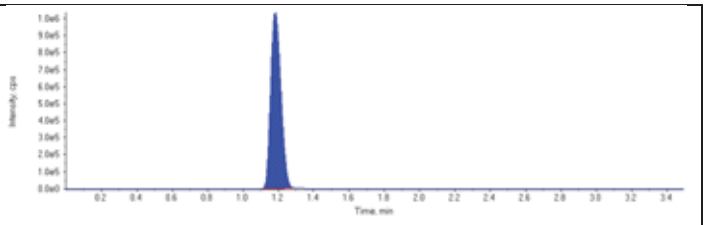
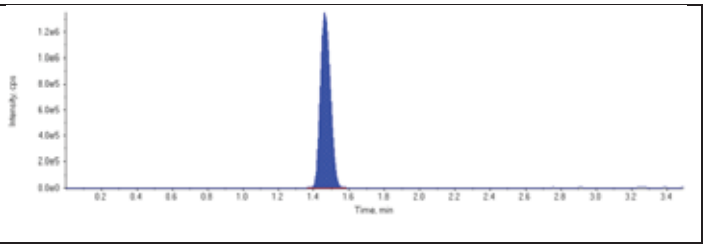
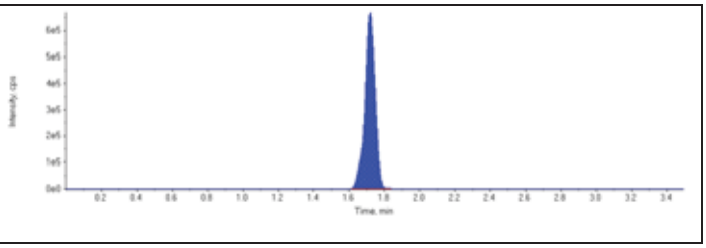
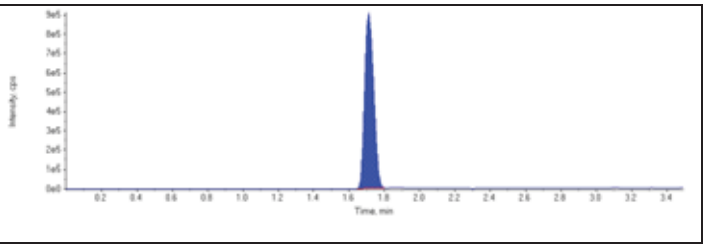
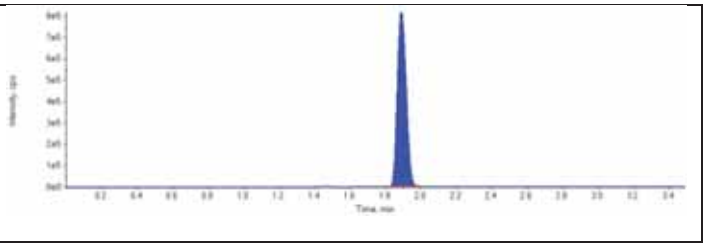
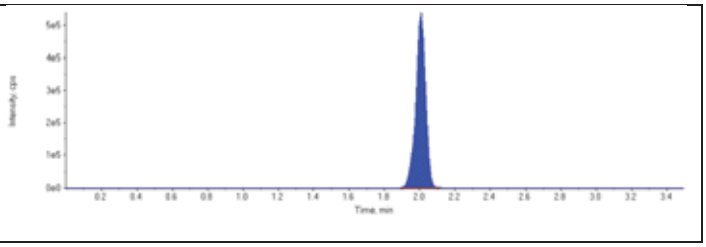


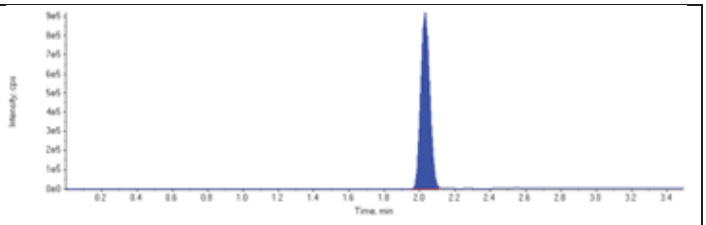
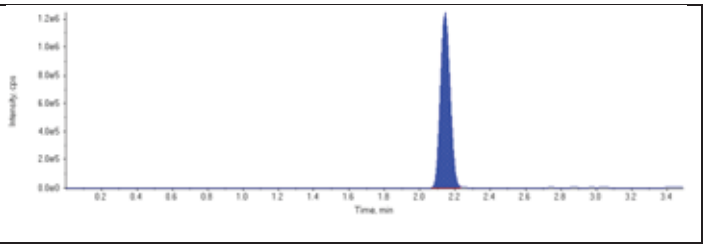
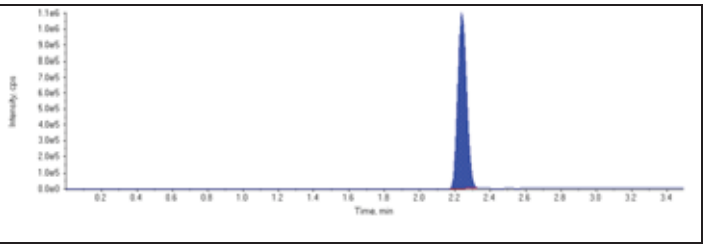
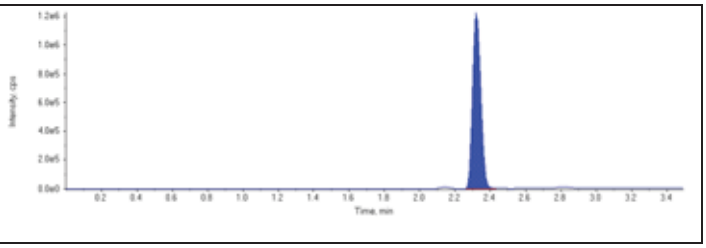
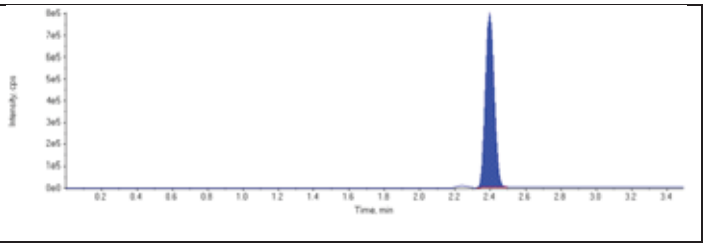
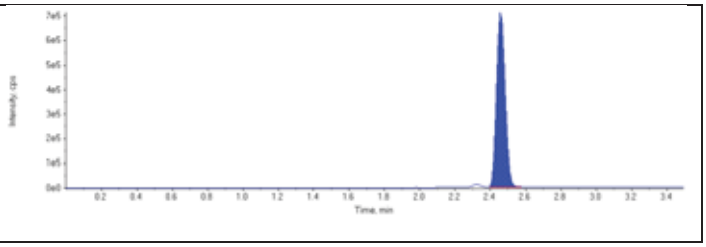
13C6-PFHxA IS (Internal Standard)

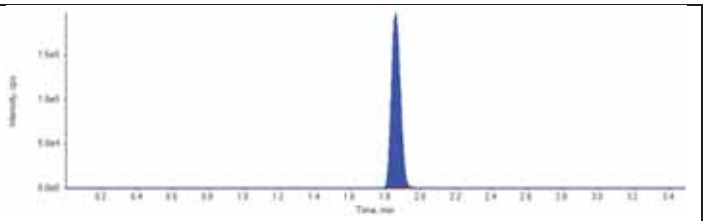
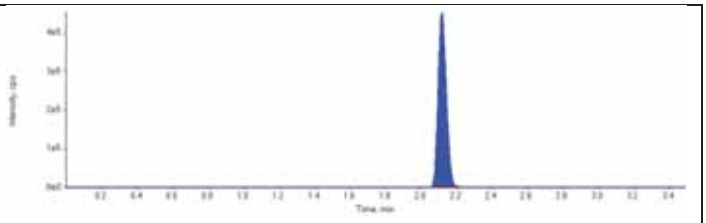
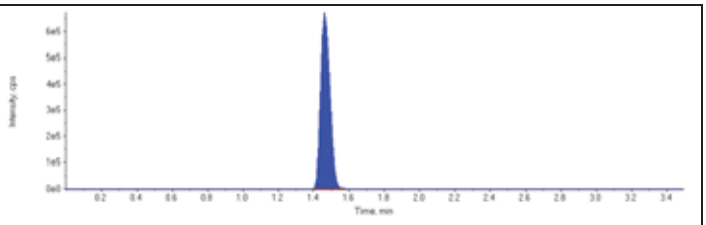
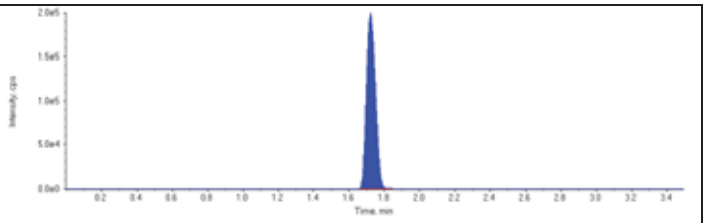
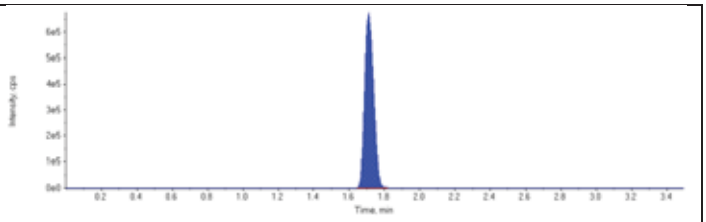
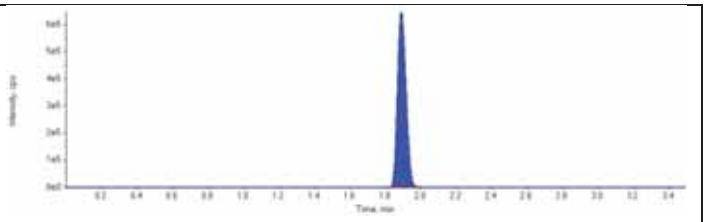
RT (Exp. RT): 1.45(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

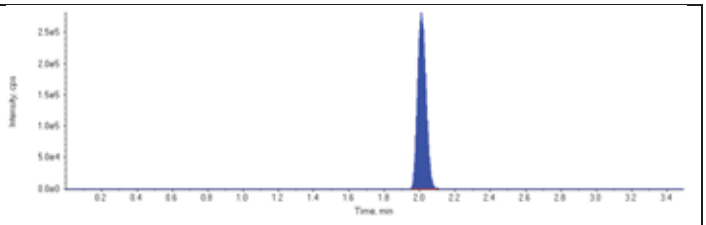
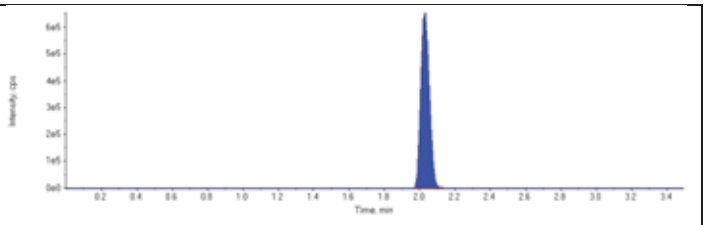
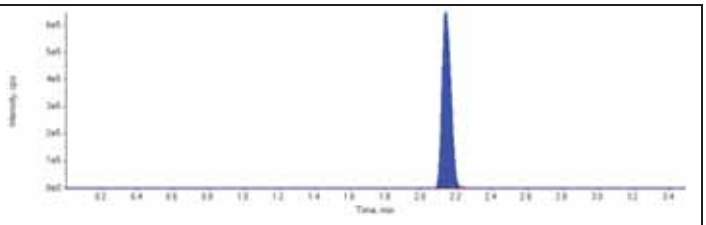
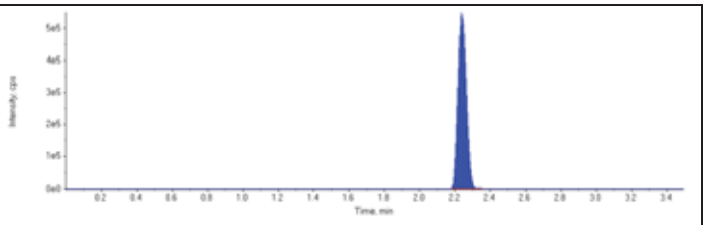
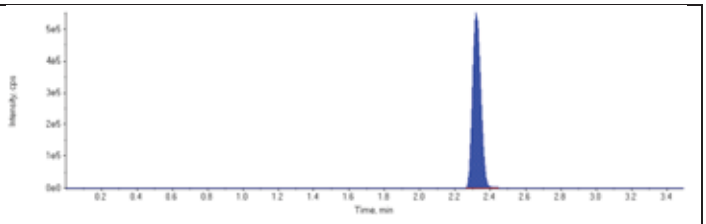
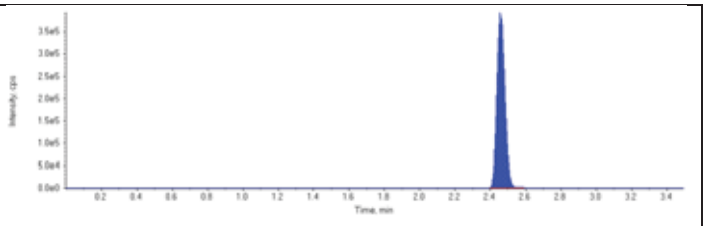


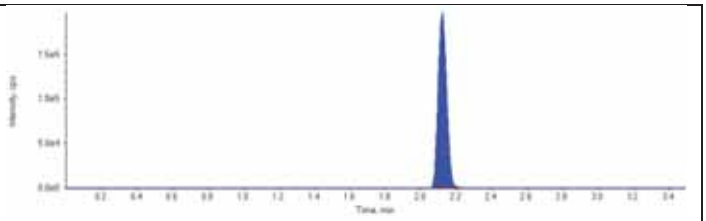
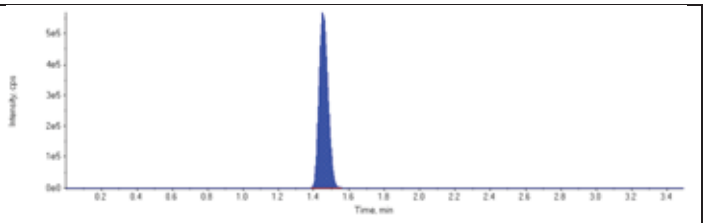
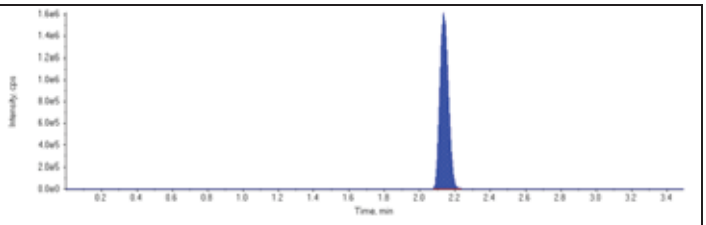
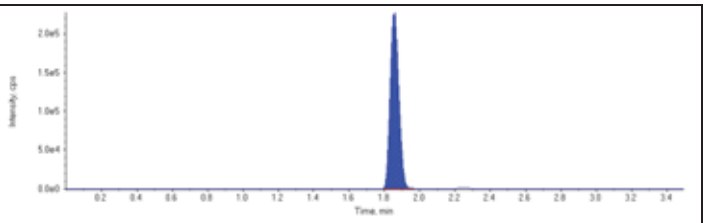
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.18 (1.19) min Calculated Conc: 15.5 µg/L Area Ratio: 5.92 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 16.5 µg/L Area Ratio: 2.15 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 15.7 µg/L Area Ratio: 3.86 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.70) min Calculated Conc: 15.6 µg/L Area Ratio: 1.36 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 15.8 µg/L Area Ratio: 1.29 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 15.2 µg/L Area Ratio: 2.24 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 17.3 µg/L Area Ratio: 1.43 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 17.3 µg/L Area Ratio: 2.06 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 15.8 µg/L Area Ratio: 2.10 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 17.2 µg/L Area Ratio: 2.23 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 16.3 µg/L Area Ratio: 2.21 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 15.4 µg/L Area Ratio: 1.94 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 13.5 µg/L Area Ratio: 0.890 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 15.9 µg/L Area Ratio: 2.28 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 101. µg/L Area Ratio: 1.23 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 105. µg/L Area Ratio: 0.354 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 103. µg/L Area Ratio: 1.19 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 102. µg/L Area Ratio: 1.13 Sample Type: (Quality Control)	

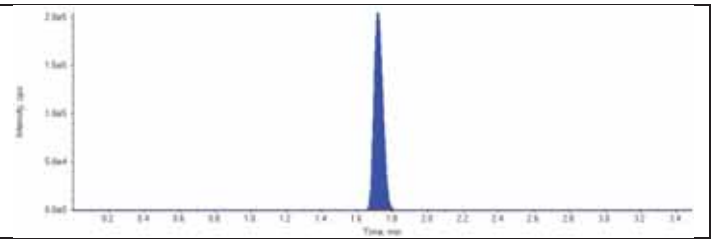
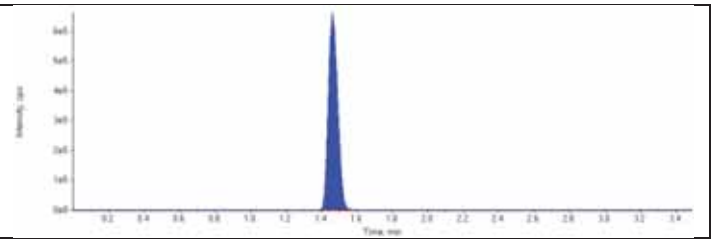
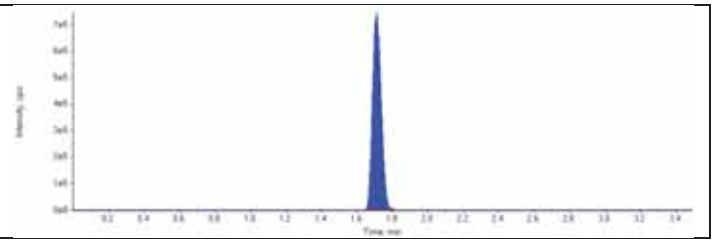
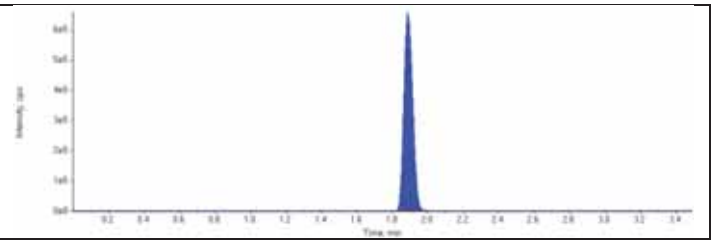
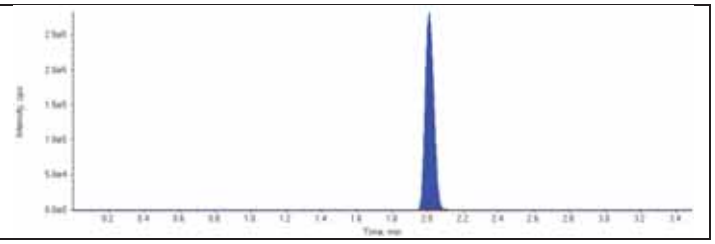
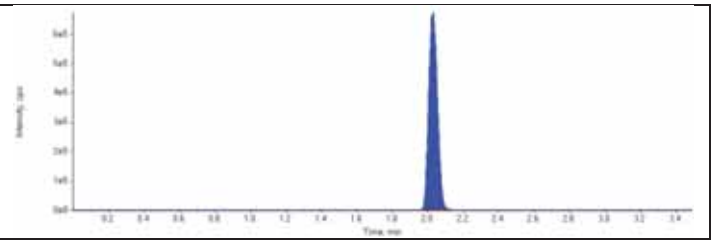
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 103. µg/L Area Ratio: 0.464 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 98.0 µg/L Area Ratio: 1.13 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 91.7 µg/L Area Ratio: 0.425 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 93.4 µg/L Area Ratio: 0.340 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 100. µg/L Area Ratio: 0.330 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 89.8 µg/L Area Ratio: 0.232 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 98.0 µg/L Area Ratio: 0.330 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.42) min Calculated Conc: 98.8 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 103. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 108. µg/L Area Ratio: 0.386 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/28 9:04:46 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

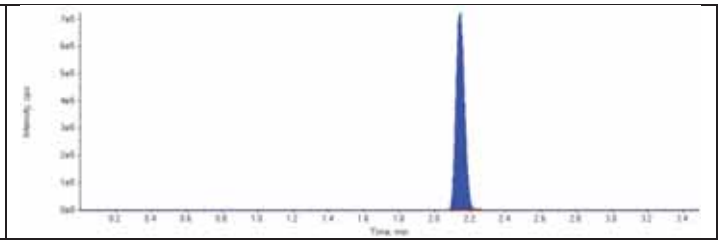
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	728000.	1.72	1.00	-
MPFHxA	2410000.	1.46	1.00	-
MPFHpA	2550000.	1.71	1.00	-
MPFOA	2270000.	1.89	1.00	-
MPFOS	938000.	2.01	1.00	-
MPFNA	2350000.	2.03	1.00	-
MPFDA	2420000.	2.14	1.00	-
MPFUnA	1890000.	2.24	1.00	-
MPFDoA	1750000.	2.32	1.00	-
MPFTeDA	1250000.	2.46	1.00	-
M2 6:2 FTS	736000.	1.85	1.00	-
M2 8:2 FTS	672000.	2.12	1.00	-
13C6-PFHxA IS	1940000.	1.45	1.00	-
13C9-PFDA IS	5100000.	2.13	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	4250000	1.18	15.0	15.3	102.0
PFHxA 1	5350000	1.46	15.0	17.1	114.0
PFHxS 1	2730000	1.72	15.0	15.3	102.0
PFHpA 1	3460000	1.71	15.0	15.6	104.0
PFOA 1	2920000	1.89	15.0	15.8	105.0
PFOS 1	2040000	2.00	15.0	14.8	98.9
PFNA 1	3040000	2.03	15.0	15.6	104.0
PFDA 1	4910000	2.14	15.0	17.1	114.0
PFUnA 1	4000000	2.24	15.0	15.9	106.0
PFDoA 1	3790000	2.32	15.0	16.7	111.0
PFTrDA 1	2850000	2.39	15.0	16.8	112.0
PFTeDA 1	2470000	2.46	15.0	15.6	104.0
6:2-FTS 1	716000	1.85	15.0	14.7	98.2
8:2-FTS 1	1490000	2.12	15.0	15.4	103.0
13C2-PFHxA	2410000	1.46	100.	102.	102.0
18O2-PFHxS	728000	1.72	100.	111.	111.0
13C4-PFHpA	2550000	1.71	100.	114.	114.0
13C4-PFOA	2270000	1.89	100.	106.	106.0
13C4-PFOS	938000	2.01	100.	107.	107.0
13C5-PFNA	2350000	2.03	100.	105.	105.0
13C2-PFDA	2420000	2.14	100.	103.	103.0
13C2-PFUnA	1890000	2.24	100.	102.	102.0
13C2-PFDoA	1750000	2.32	100.	104.	104.0
13C2-PFTeDA	1250000	2.46	100.	94.9	94.9
13C2-8:2 FTS	672000	2.12	100.	103.	103.0
13C6-PFHxA	1940000	1.45	100.	96.0	96.0
13C9-PFDA	5100000	2.13	100.	98.9	98.9
13C2-6:2-FTS	736000	1.85	100.	106.	106.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.72(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.43) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 2.01(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

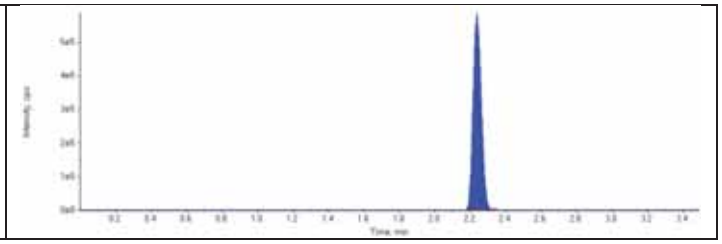
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



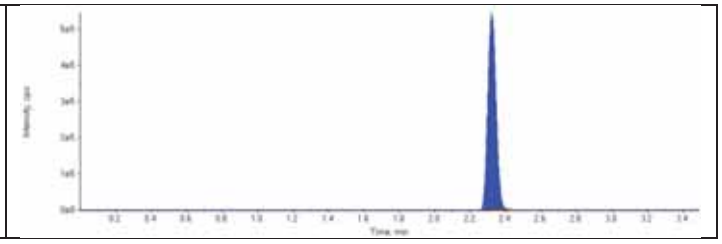
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



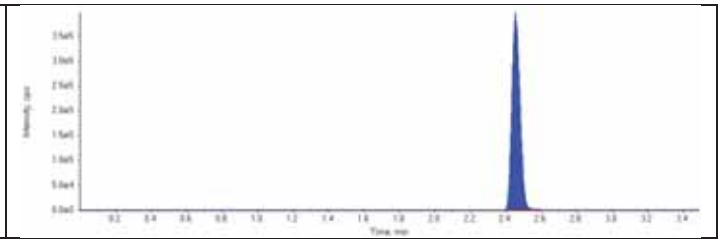
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



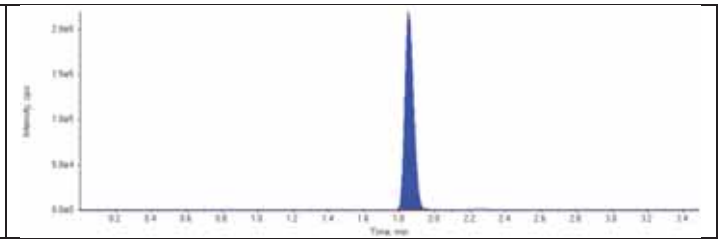
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



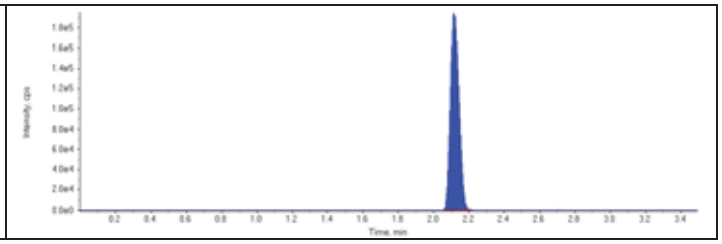
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.85(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



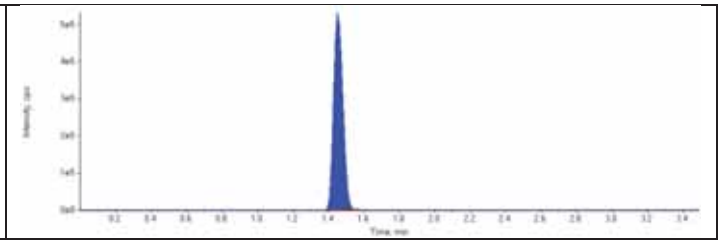
M2 8:2 FTS (Internal Standard)

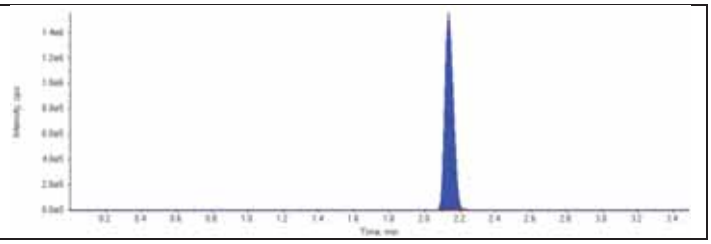
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

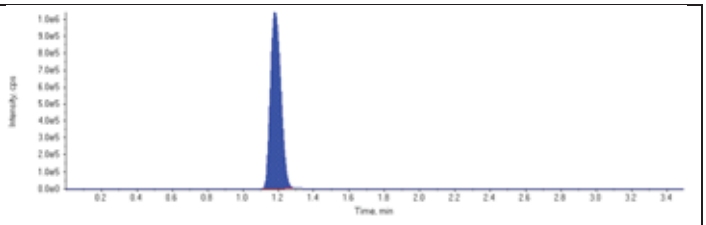
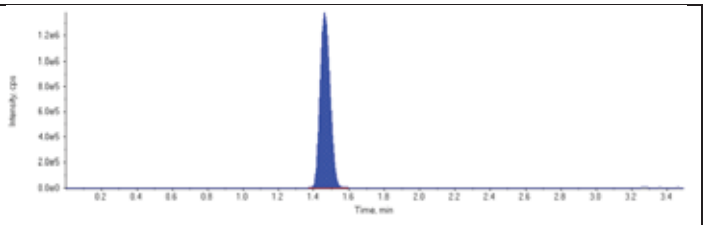
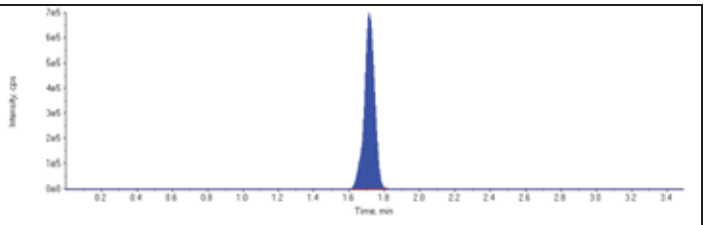
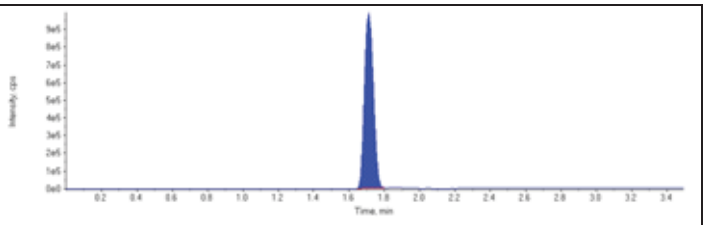
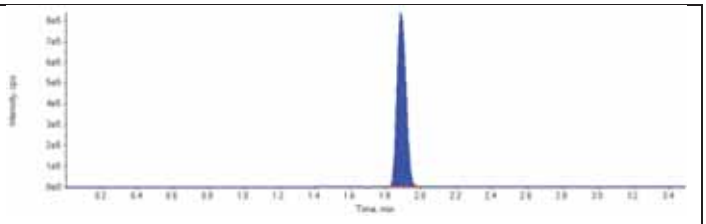
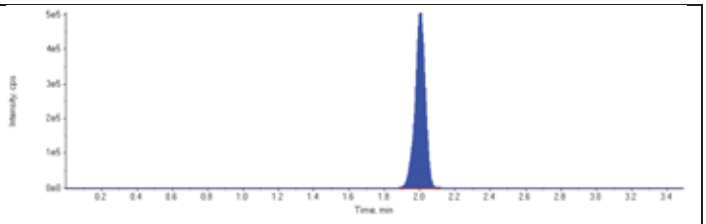


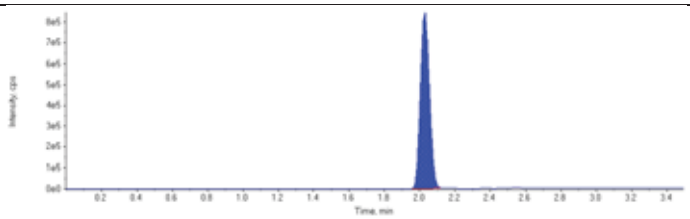
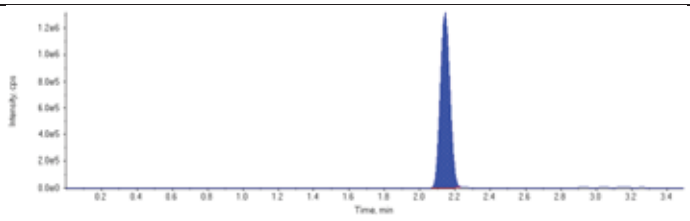
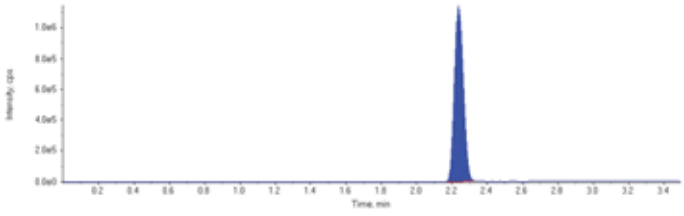
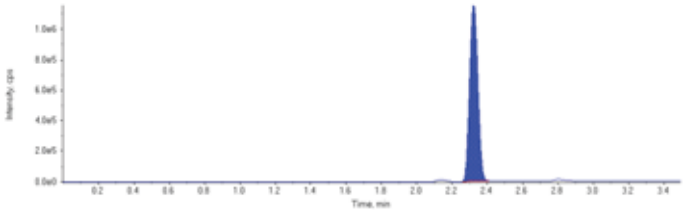
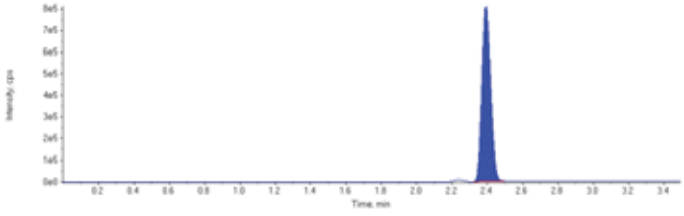
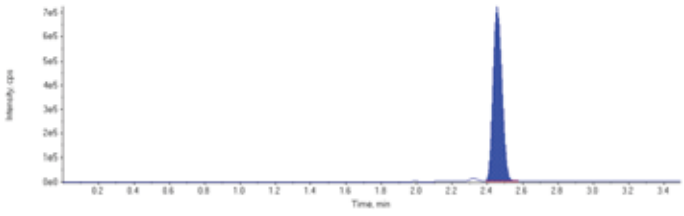
13C6-PFHxA IS (Internal Standard)

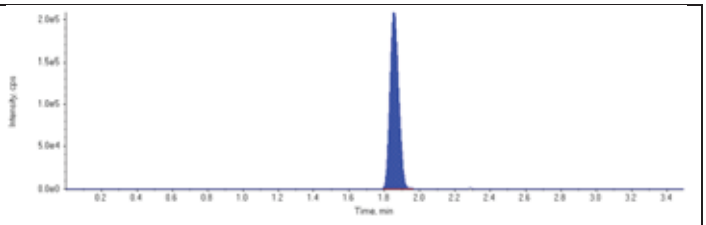
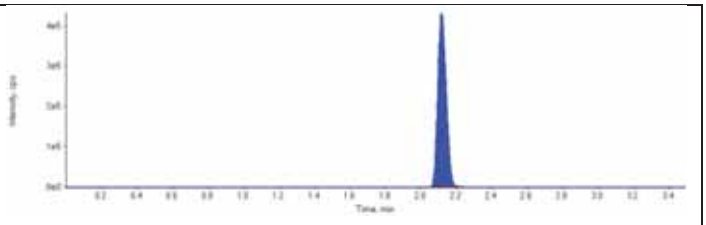
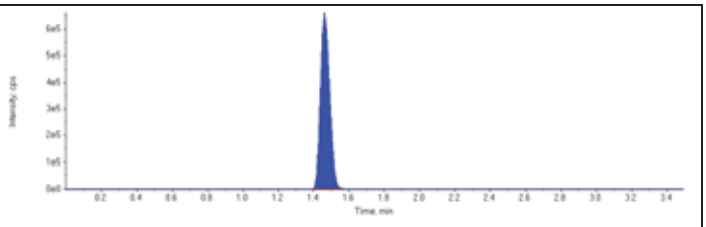
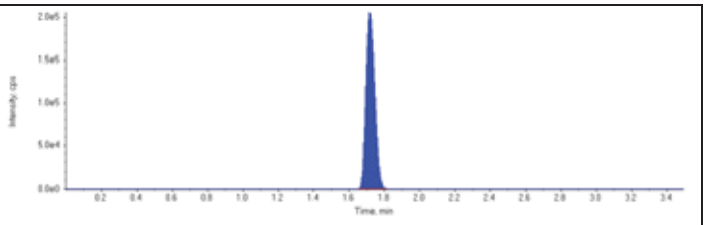
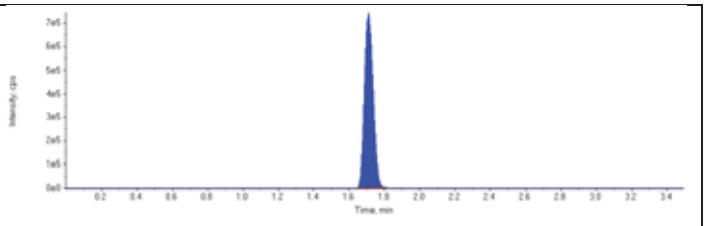
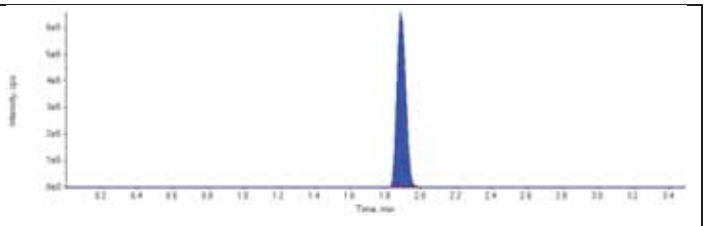
RT (Exp. RT): 1.45(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

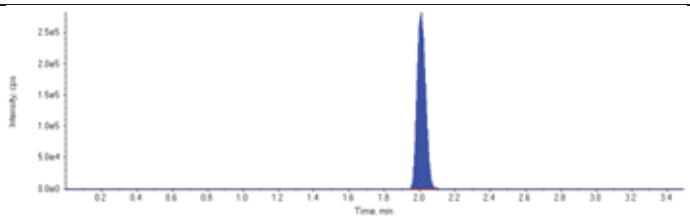
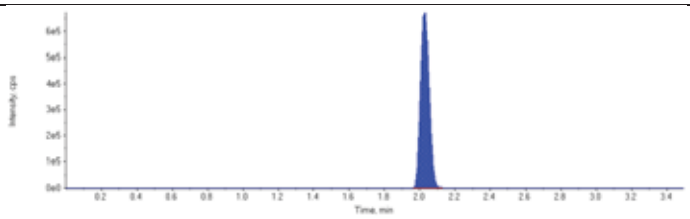
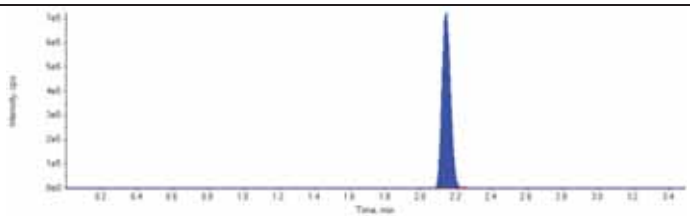
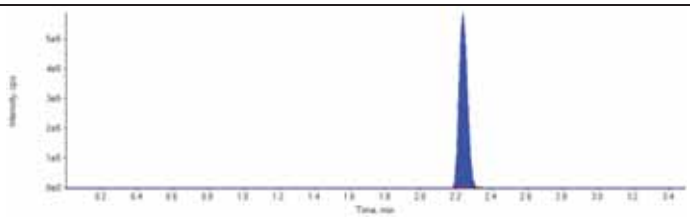
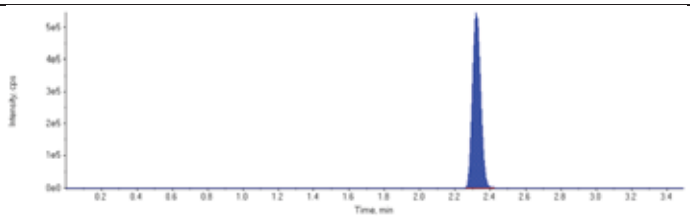
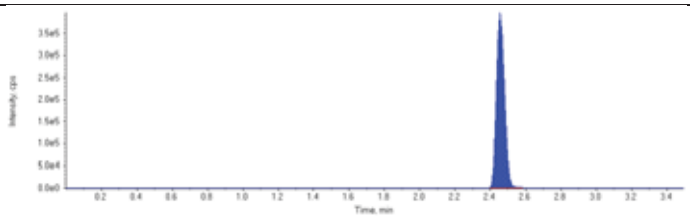


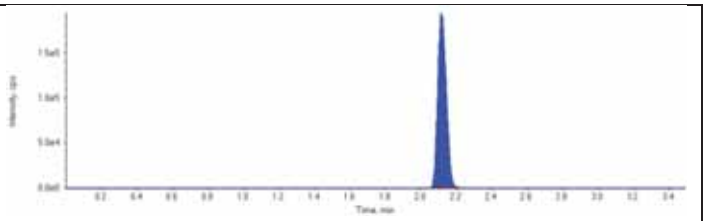
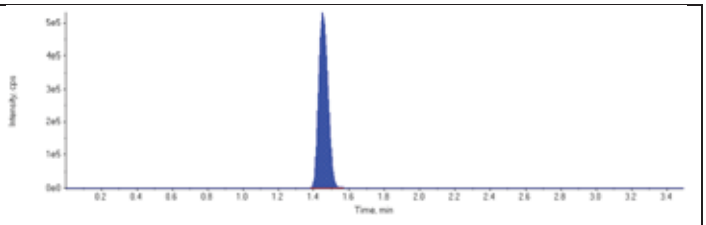
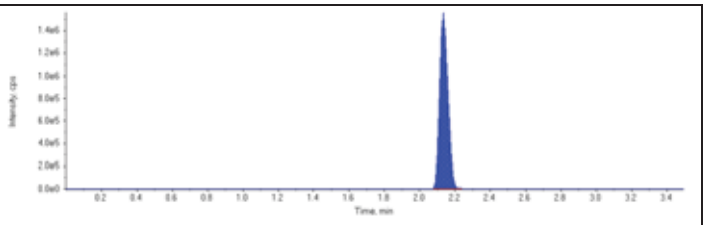
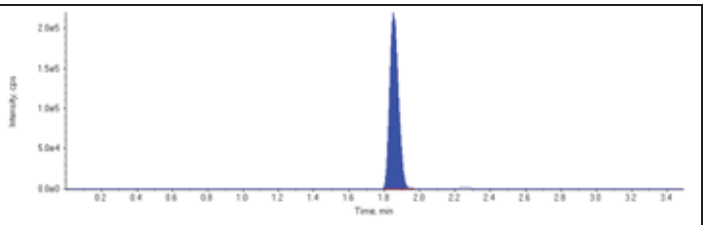
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.13(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.18 (1.19) min Calculated Conc: 15.3 µg/L Area Ratio: 5.84 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 17.1 µg/L Area Ratio: 2.22 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 15.3 µg/L Area Ratio: 3.75 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.70) min Calculated Conc: 15.6 µg/L Area Ratio: 1.36 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 15.8 µg/L Area Ratio: 1.29 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.00 (1.97) min Calculated Conc: 14.8 µg/L Area Ratio: 2.18 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 15.6 µg/L Area Ratio: 1.29 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 17.1 µg/L Area Ratio: 2.03 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 15.9 µg/L Area Ratio: 2.12 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 16.7 µg/L Area Ratio: 2.17 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 16.8 µg/L Area Ratio: 2.27 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 15.6 µg/L Area Ratio: 1.97 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.85 (1.83) min Calculated Conc: 14.7 µg/L Area Ratio: 0.973 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 15.4 µg/L Area Ratio: 2.21 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 102. µg/L Area Ratio: 1.24 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 111. µg/L Area Ratio: 0.375 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 114. µg/L Area Ratio: 1.31 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 106. µg/L Area Ratio: 1.17 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 107. µg/L Area Ratio: 0.483 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 105. µg/L Area Ratio: 1.21 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 103. µg/L Area Ratio: 0.475 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 102. µg/L Area Ratio: 0.371 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 104. µg/L Area Ratio: 0.343 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 94.9 µg/L Area Ratio: 0.246 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 103. µg/L Area Ratio: 0.346 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.42) min Calculated Conc: 96.0 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.13 (2.13) min Calculated Conc: 98.9 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.85 (1.83) min Calculated Conc: 106. µg/L Area Ratio: 0.379 Sample Type: (Quality Control)	

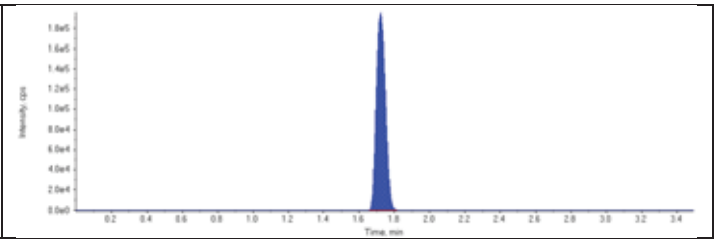
Sample ID	CCV	**Injection Volume (µL)**	3
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/02/28 9:09:52 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_High.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170227\WS#4871838.wiff		
Result Table	PFC_Water_170227_4871838_High_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	699000.	1.72	1.00	-
MPFHxA	2450000.	1.46	1.00	-
MPFHpA	2440000.	1.71	1.00	-
MPFOA	2200000.	1.89	1.00	-
MPFOS	938000.	2.01	1.00	-
MPFNA	2500000.	2.03	1.00	-
MPFDA	2470000.	2.14	1.00	-
MPFUnA	2100000.	2.24	1.00	-
MPFDoA	1830000.	2.32	1.00	-
MPFTeDA	1290000.	2.46	1.00	-
M2 6:2 FTS	769000.	1.85	1.00	-
M2 8:2 FTS	697000.	2.12	1.00	-
13C6-PFHxA IS	1970000.	1.45	1.00	-
13C9-PFDA IS	5300000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	4240000	1.18	15.0	15.9	106.0
PFHxA 1	5370000	1.46	15.0	16.9	112.0
PFHxS 1	2670000	1.72	15.0	15.6	104.0
PFHpA 1	3270000	1.71	15.0	15.4	103.0
PFOA 1	2950000	1.89	15.0	16.4	109.0
PFOS 1	2040000	2.01	15.0	14.8	98.8
PFNA 1	3210000	2.03	15.0	15.5	103.0
PFDA 1	5150000	2.14	15.0	17.5	117.0
PFUnA 1	4220000	2.24	15.0	15.1	101.0
PFDoA 1	3850000	2.32	15.0	16.1	108.0
PFTrDA 1	2840000	2.40	15.0	16.2	108.0
PFTeDA 1	2300000	2.46	15.0	14.0	93.6
6:2-FTS 1	683000	1.86	15.0	13.5	89.7
8:2-FTS 1	1560000	2.12	15.0	15.6	104.0
13C2-PFHxA	2450000	1.46	100.	102.	102.0
18O2-PFHxS	699000	1.72	100.	106.	106.0
13C4-PFHpA	2440000	1.71	100.	108.	108.0
13C4-PFOA	2200000	1.89	100.	101.	101.0
13C4-PFOS	938000	2.01	100.	106.	106.0
13C5-PFNA	2500000	2.03	100.	111.	111.0
13C2-PFDA	2470000	2.14	100.	101.	101.0
13C2-PFUnA	2100000	2.24	100.	109.	109.0
13C2-PFDoA	1830000	2.32	100.	105.	105.0
13C2-PFTeDA	1290000	2.46	100.	94.2	94.2
13C2-8:2 FTS	697000	2.12	100.	105.	105.0
13C6-PFHxA	1970000	1.45	100.	97.1	97.1
13C9-PFDA	5300000	2.14	100.	103.	103.0
13C2-6:2-FTS	769000	1.85	100.	109.	109.0

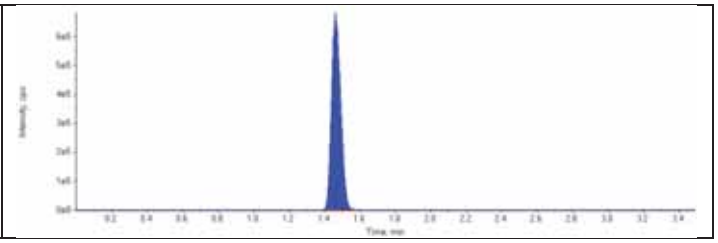
MPFHxS (Internal Standard)

RT (Exp. RT): 1.72(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



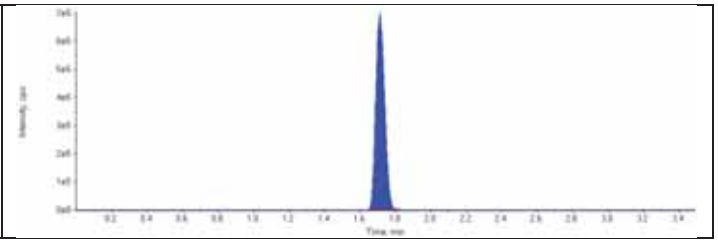
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.43) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



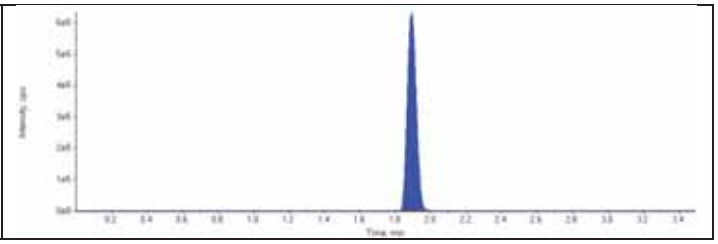
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



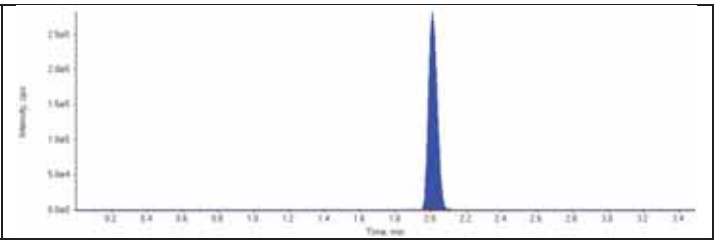
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



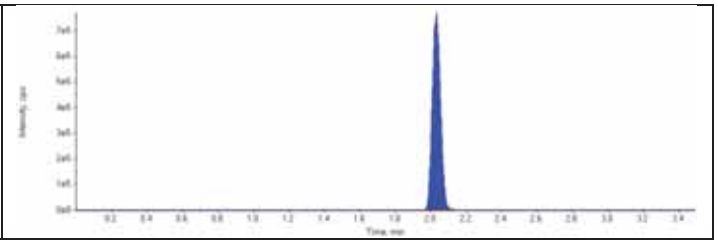
MPFOS (Internal Standard)

RT (Exp. RT): 2.01(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



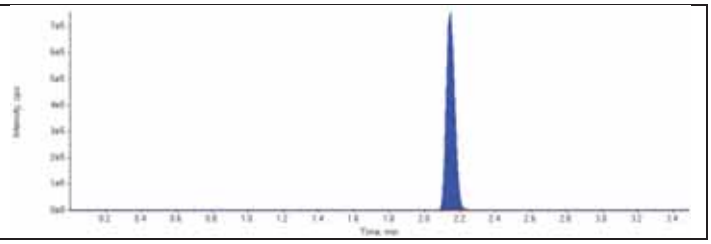
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



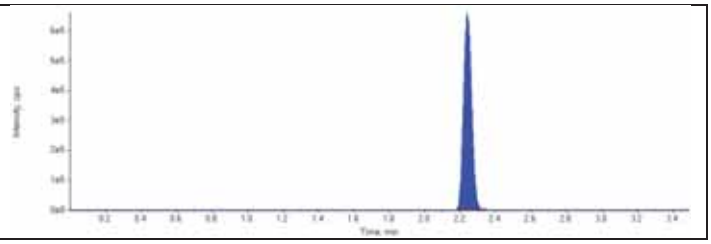
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



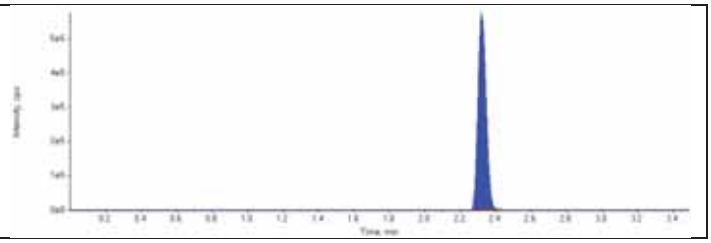
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



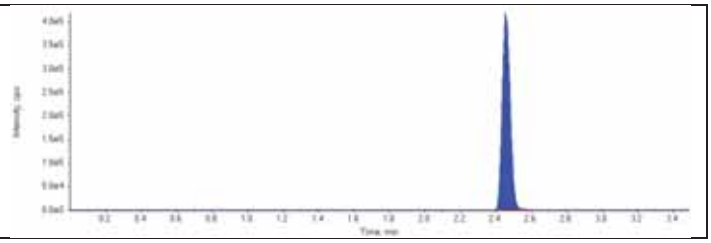
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



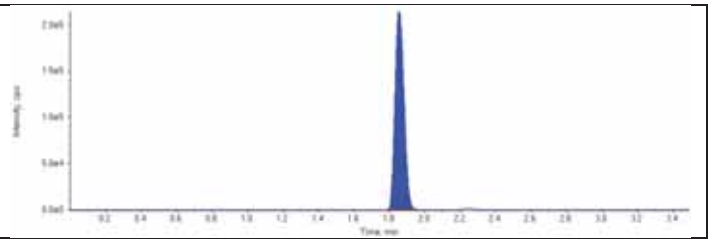
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



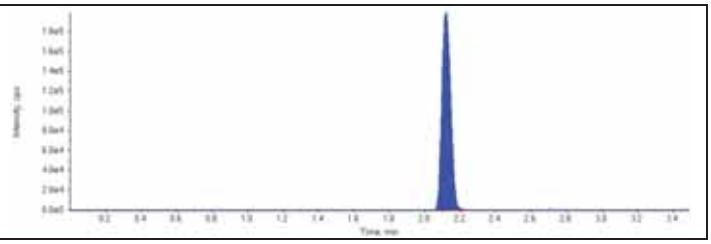
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.85(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



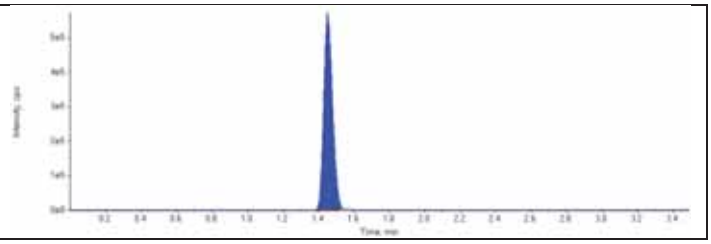
M2 8:2 FTS (Internal Standard)

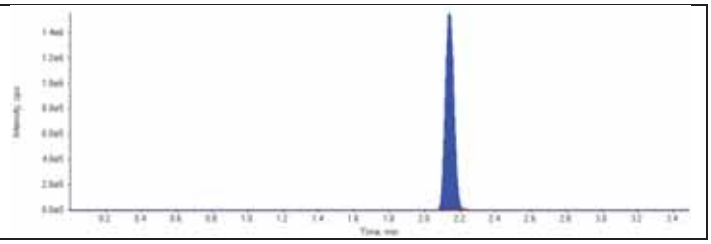
RT (Exp. RT): 2.12(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

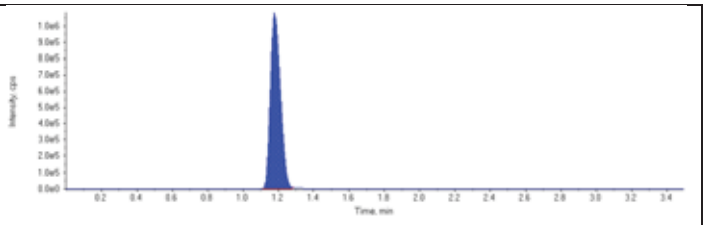
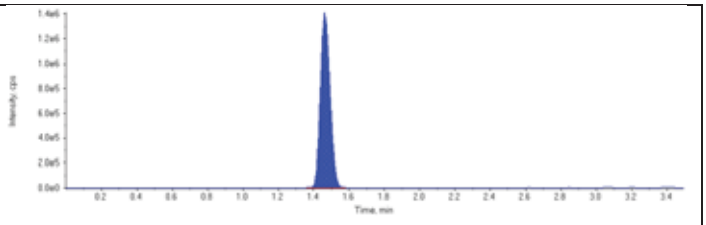
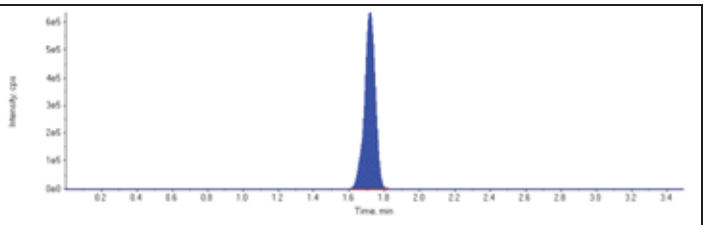
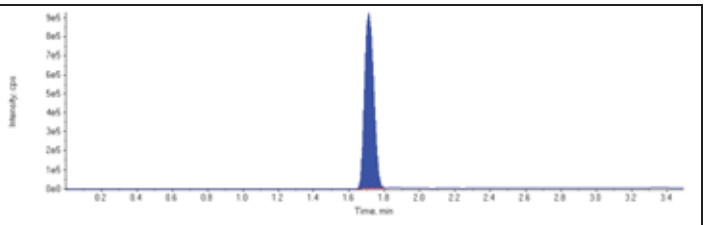
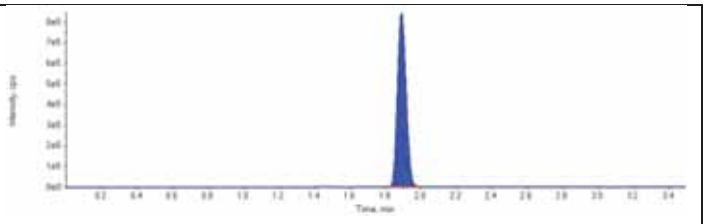
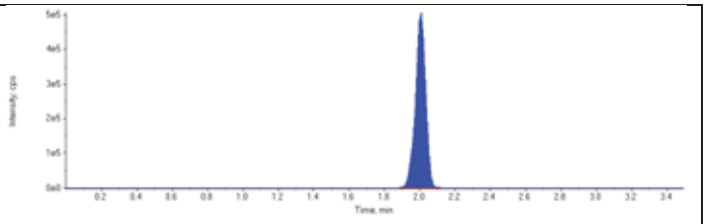


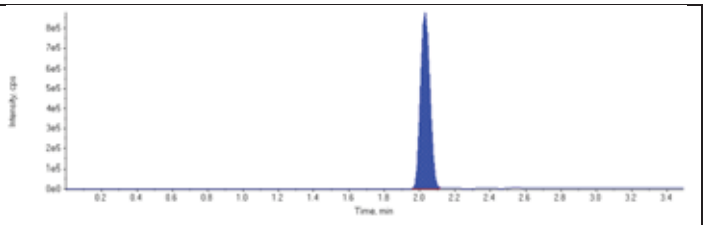
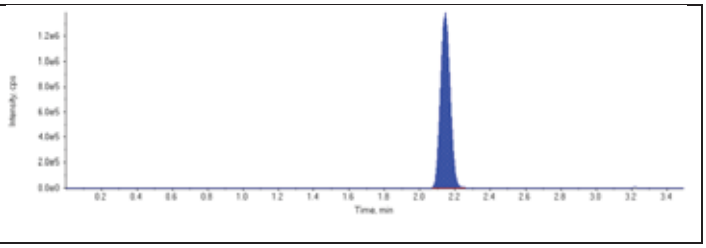
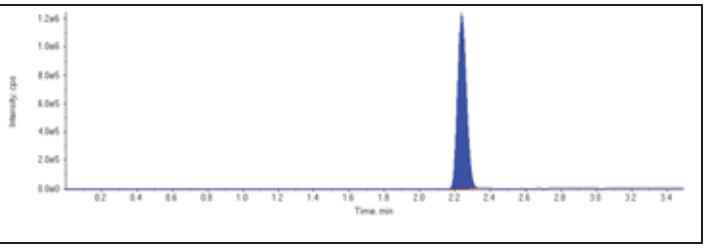
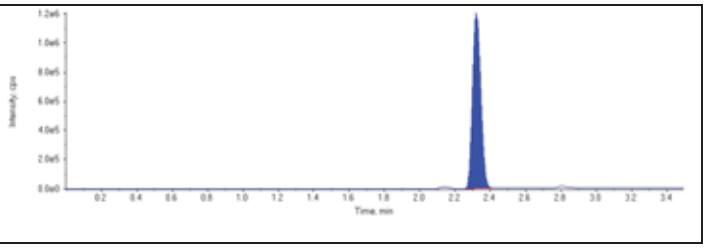
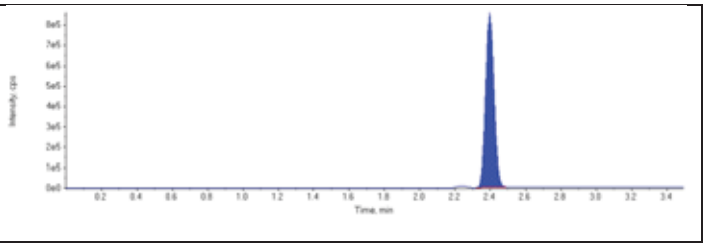
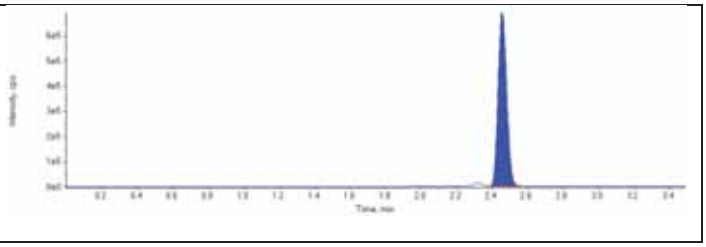
13C6-PFHxA IS (Internal Standard)

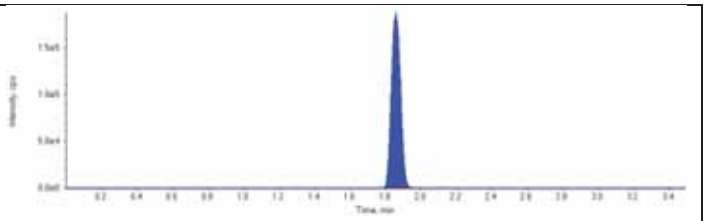
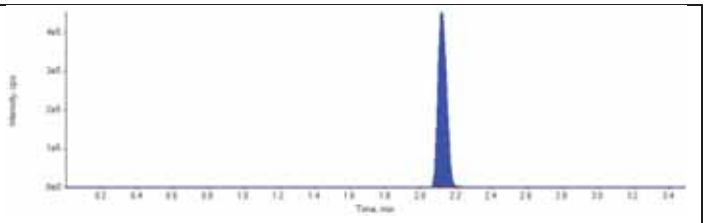
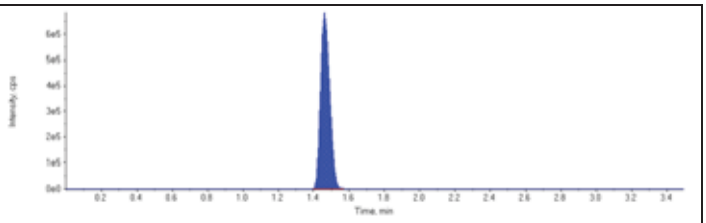
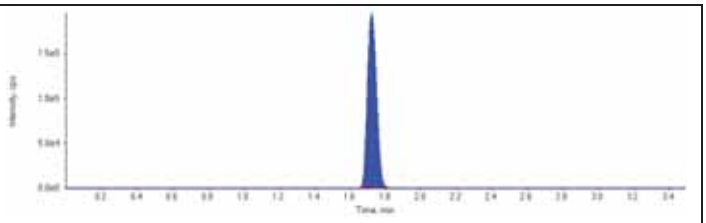
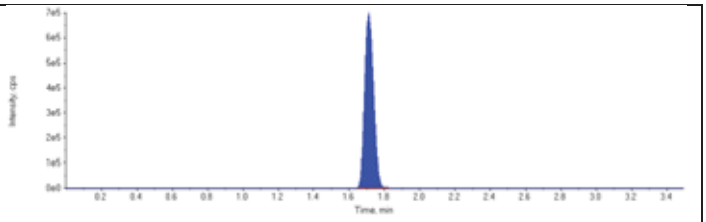
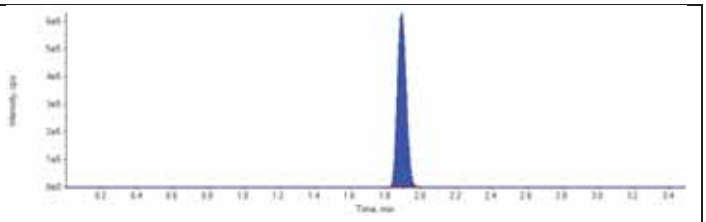
RT (Exp. RT): 1.45(1.42) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

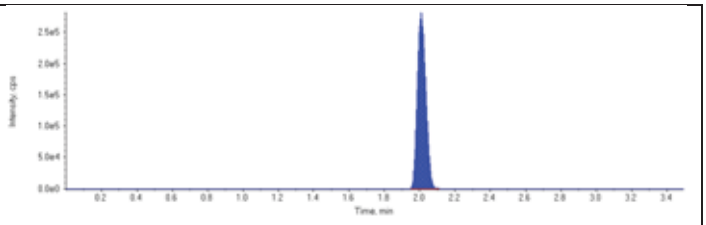
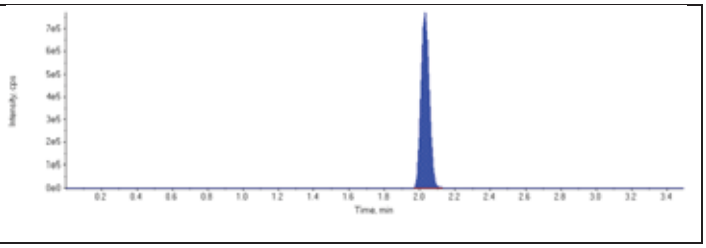
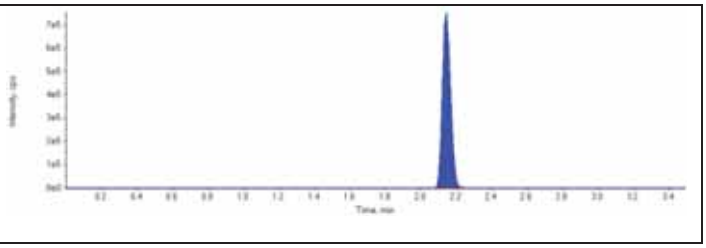
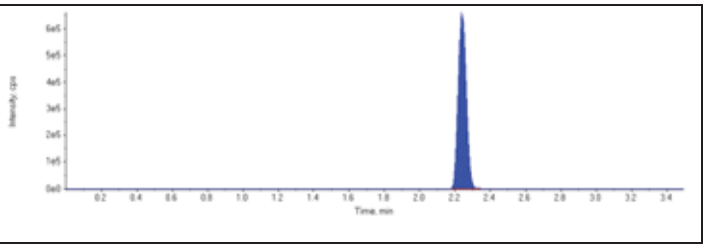
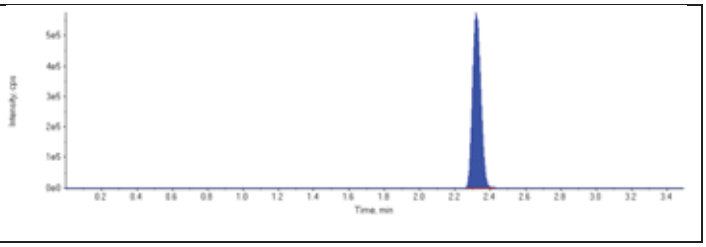
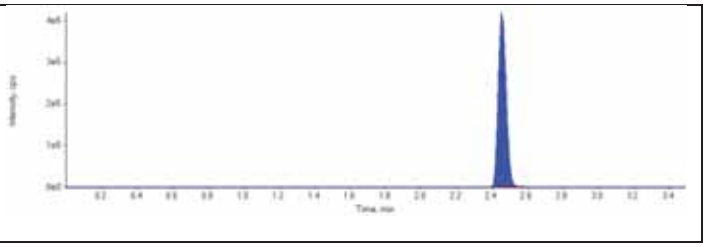


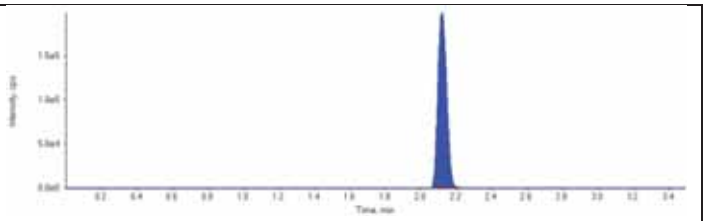
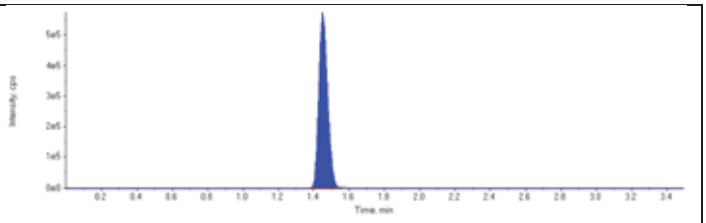
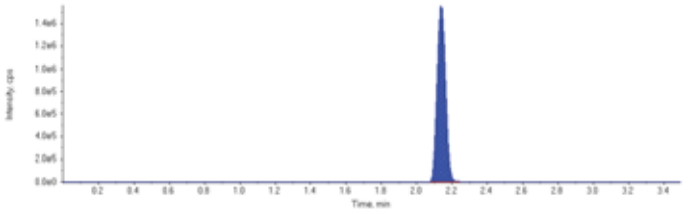
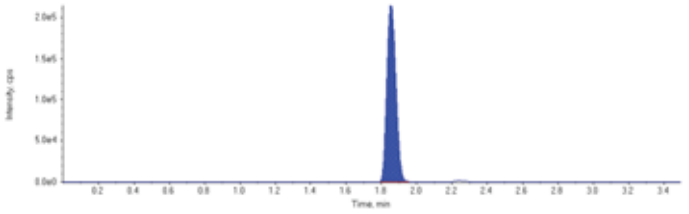
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.18 (1.19) min Calculated Conc: 15.9 µg/L Area Ratio: 6.06 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 16.9 µg/L Area Ratio: 2.19 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 15.6 µg/L Area Ratio: 3.82 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.70) min Calculated Conc: 15.4 µg/L Area Ratio: 1.34 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 16.4 µg/L Area Ratio: 1.34 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 14.8 µg/L Area Ratio: 2.17 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 15.5 µg/L Area Ratio: 1.28 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 17.5 µg/L Area Ratio: 2.08 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 15.1 µg/L Area Ratio: 2.01 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 16.1 µg/L Area Ratio: 2.10 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.40 (2.40) min Calculated Conc: 16.2 µg/L Area Ratio: 2.19 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 14.0 µg/L Area Ratio: 1.78 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.86 (1.83) min Calculated Conc: 13.5 µg/L Area Ratio: 0.888 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 15.6 µg/L Area Ratio: 2.24 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.43) min Calculated Conc: 102. µg/L Area Ratio: 1.25 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.72 (1.68) min Calculated Conc: 106. µg/L Area Ratio: 0.355 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 108. µg/L Area Ratio: 1.24 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 101. µg/L Area Ratio: 1.12 Sample Type: (Quality Control)	

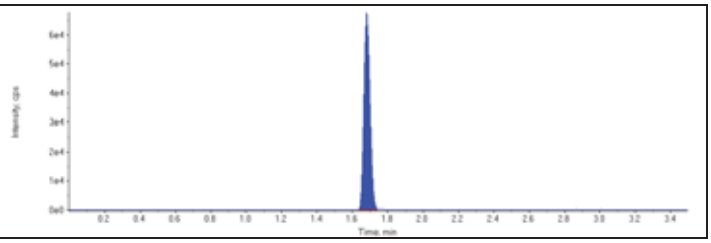
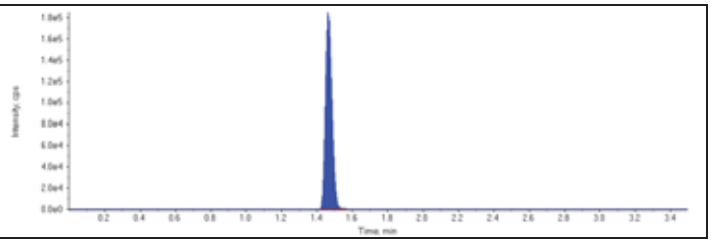
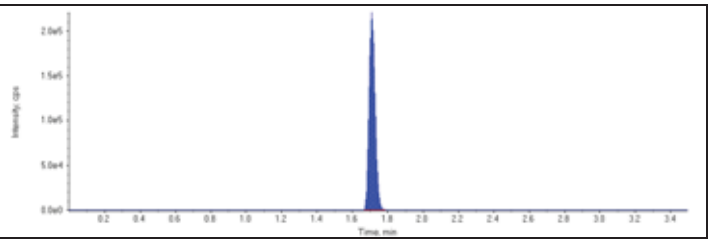
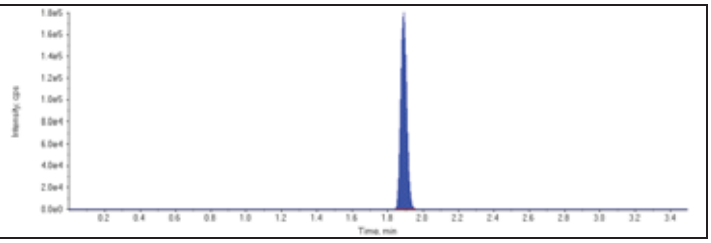
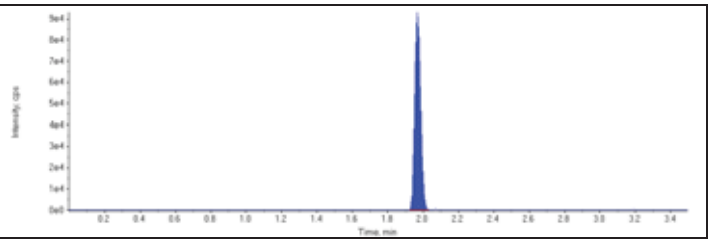
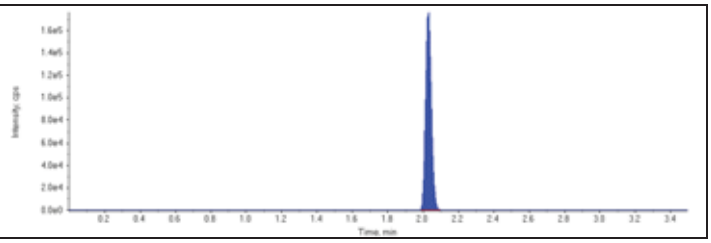
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 2.01 (1.97) min Calculated Conc: 106. µg/L Area Ratio: 0.477 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 111. µg/L Area Ratio: 1.27 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 101. µg/L Area Ratio: 0.466 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 109. µg/L Area Ratio: 0.397 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 105. µg/L Area Ratio: 0.346 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 94.2 µg/L Area Ratio: 0.244 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.12 (2.10) min Calculated Conc: 105. µg/L Area Ratio: 0.354 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.42) min Calculated Conc: 97.1 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 103. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.85 (1.83) min Calculated Conc: 109. µg/L Area Ratio: 0.391 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/03/09 8:25:46 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

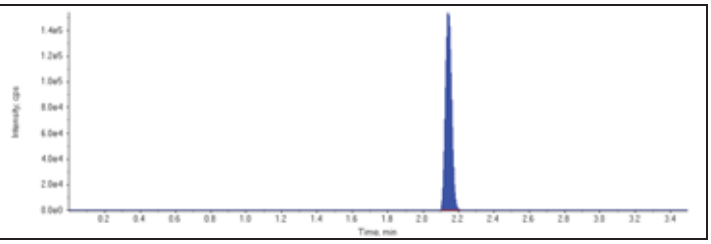
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	159000.	1.68	1.00	-
MPFHxA	475000.	1.46	1.00	-
MPFHpA	507000.	1.71	1.00	-
MPFOA	413000.	1.89	1.00	-
MPFOS	211000.	1.97	1.00	-
MPFNA	403000.	2.03	1.00	-
MPFDA	374000.	2.14	1.00	-
MPFUnA	276000.	2.24	1.00	-
MPFDoA	266000.	2.32	1.00	-
MPFTeDA	291000.	2.46	1.00	-
M2 6:2 FTS	437000.	1.83	1.00	-
M2 8:2 FTS	281000.	2.09	1.00	-
13C6-PFHxA IS	1250000.	1.46	1.00	-
13C9-PFDA IS	1120000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1870000	1.15	12.5	12.4	99.0
PFHxA 1	2530000	1.47	12.5	13.1	105.0
PFHxS 1	1440000	1.68	12.5	12.6	101.0
PFHpA 1	2310000	1.71	12.5	13.4	107.0
PFOA 1	1850000	1.89	12.5	12.3	98.4
PFOS 1	1130000	1.97	12.5	12.0	96.3
PFNA 1	1810000	2.03	12.5	13.0	104.0
PFDA 1	1850000	2.14	12.5	13.7	109.0
PFUnA 1	1310000	2.24	12.5	11.3	90.6
PFDoA 1	1180000	2.32	12.5	12.6	101.0
PFTrDA 1	1150000	2.39	12.5	11.2	89.2
PFTeDA 1	1360000	2.46	12.5	11.3	90.5
6:2-FTS 1	1620000	1.83	12.5	13.9	111.0
8:2-FTS 1	1530000	2.10	12.5	12.4	99.1
13C2-PFHxA	475000	1.46	100.	108.	108.0
18O2-PFHxS	159000	1.68	100.	114.	114.0
13C4-PFHpA	507000	1.71	100.	106.	106.0
13C4-PFOA	413000	1.89	100.	110.	110.0
13C4-PFOS	211000	1.97	100.	121.	121.0
13C5-PFNA	403000	2.03	100.	105.	105.0
13C2-PFDA	374000	2.14	100.	103.	103.0
13C2-PFUnA	276000	2.24	100.	105.	105.0
13C2-PFDoA	266000	2.32	100.	110.	110.0
13C2-PFTeDA	291000	2.46	100.	116.	116.0
13C2-8:2 FTS	281000	2.09	100.	113.	113.0
13C6-PFHxA	1250000	1.46	100.	93.1	93.1
13C9-PFDA	1120000	2.14	100.	94.6	94.6
13C2-6:2-FTS	437000	1.83	100.	119.	119.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

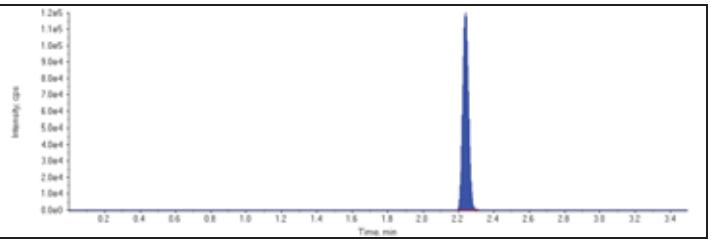
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



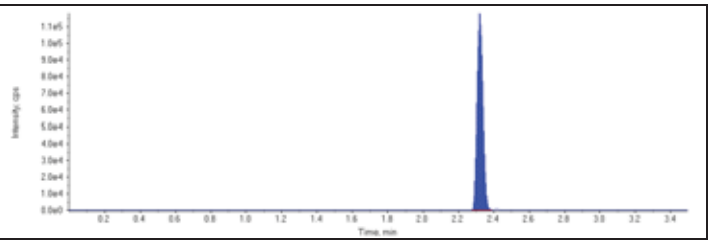
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



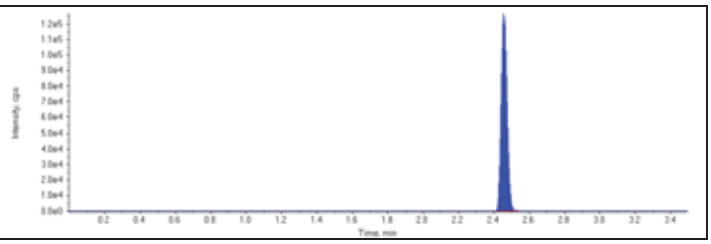
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



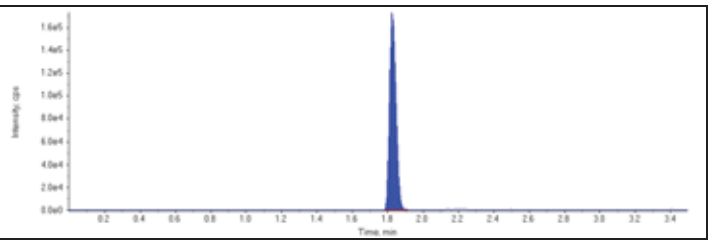
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



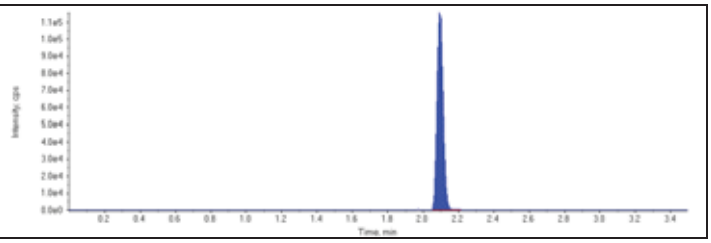
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



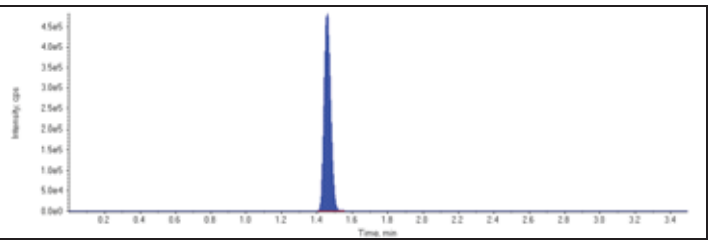
M2 8:2 FTS (Internal Standard)

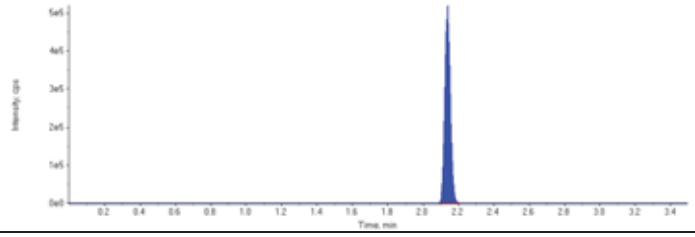
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

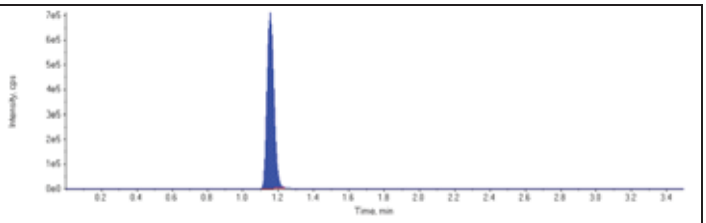
PFBS 1 (298.900/79.900 Da)

RT (Exp. RT): 1.15 (1.19) min

Calculated Conc: 12.4 µg/L

Area Ratio: 11.7

Sample Type: (Quality Control)



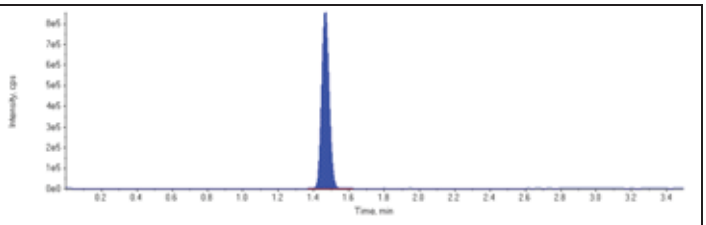
PFHxA 1 (313.000/269.000 Da)

RT (Exp. RT): 1.47 (1.48) min

Calculated Conc: 13.1 µg/L

Area Ratio: 5.32

Sample Type: (Quality Control)



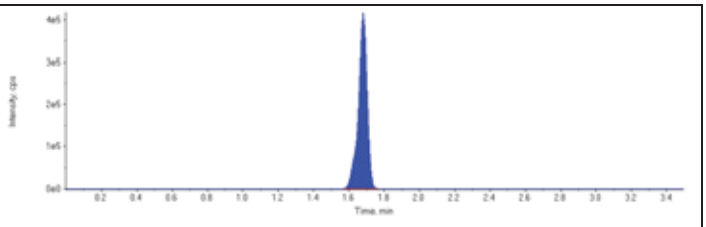
PFHxS 1 (398.900/79.900 Da)

RT (Exp. RT): 1.68 (1.68) min

Calculated Conc: 12.6 µg/L

Area Ratio: 9.02

Sample Type: (Quality Control)



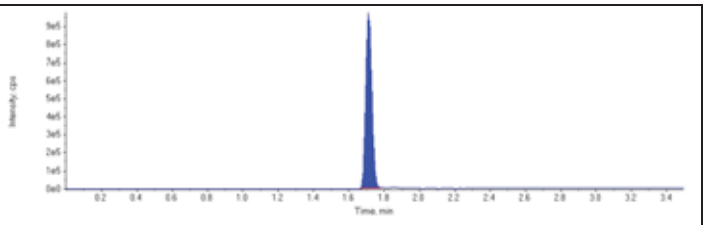
PFHpA 1 (363.000/319.000 Da)

RT (Exp. RT): 1.71 (1.74) min

Calculated Conc: 13.4 µg/L

Area Ratio: 4.56

Sample Type: (Quality Control)



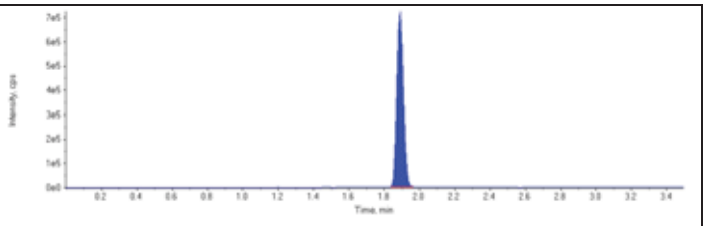
PFOA 1 (413.100/369.000 Da)

RT (Exp. RT): 1.89 (1.88) min

Calculated Conc: 12.3 µg/L

Area Ratio: 4.48

Sample Type: (Quality Control)



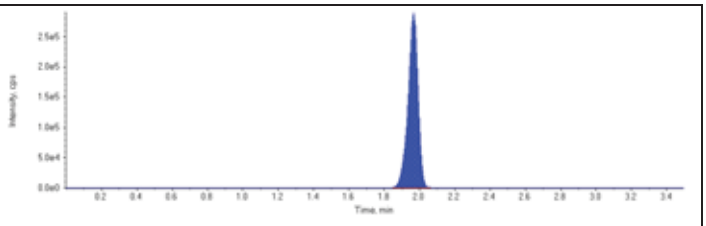
PFOS 1 (498.900/79.900 Da)

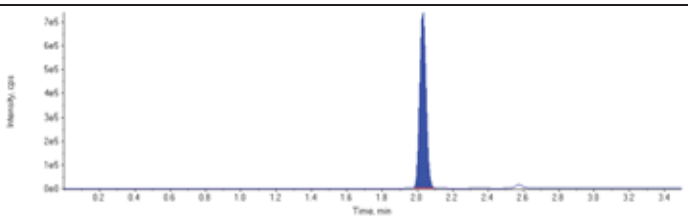
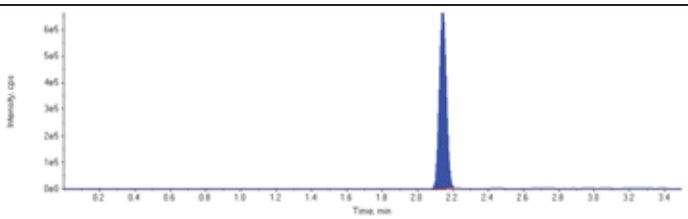
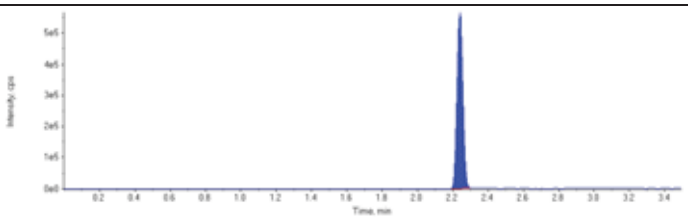
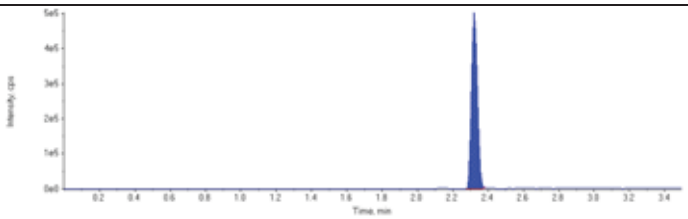
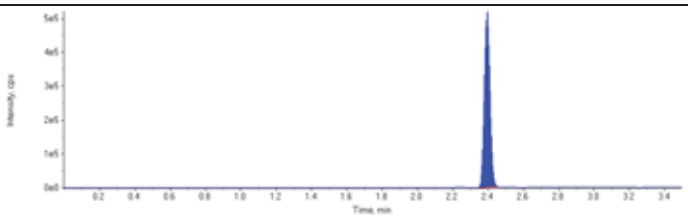
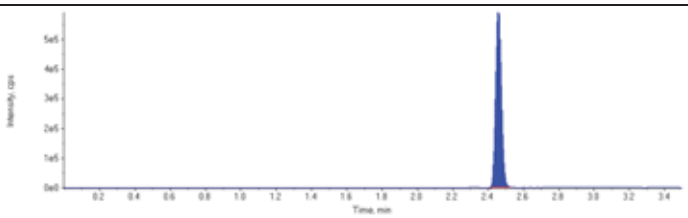
RT (Exp. RT): 1.97 (1.97) min

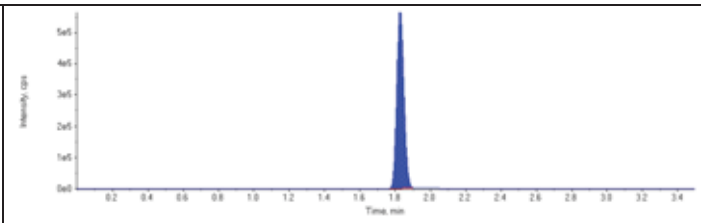
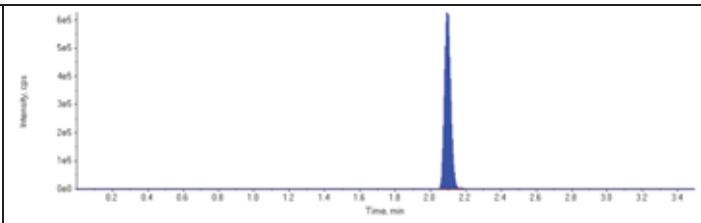
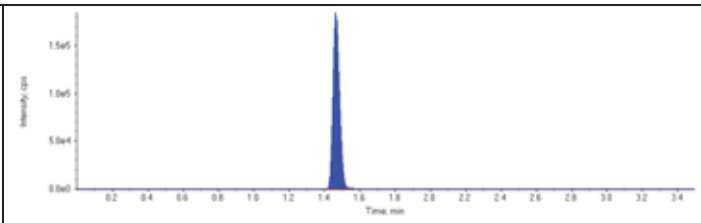
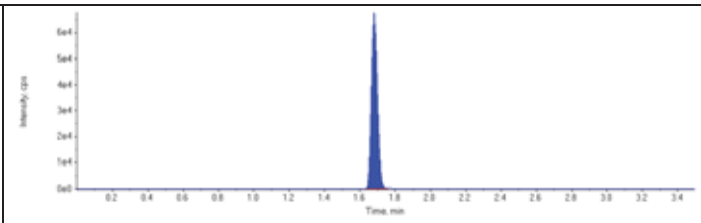
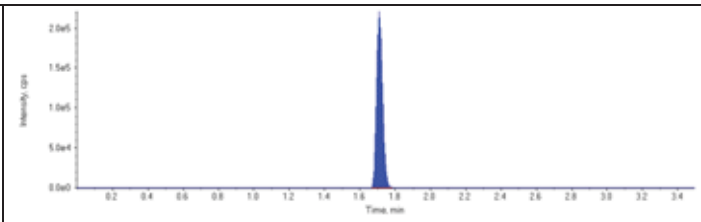
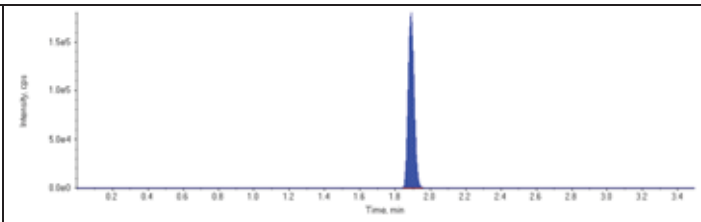
Calculated Conc: 12.0 µg/L

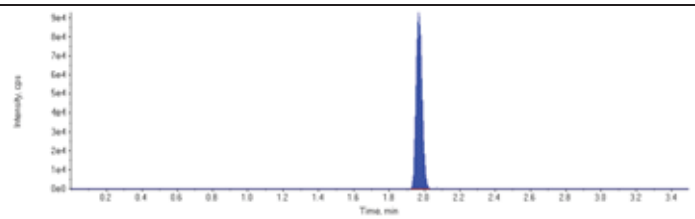
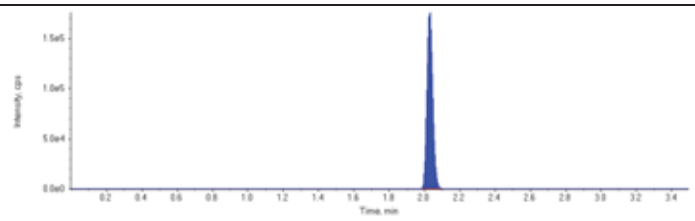
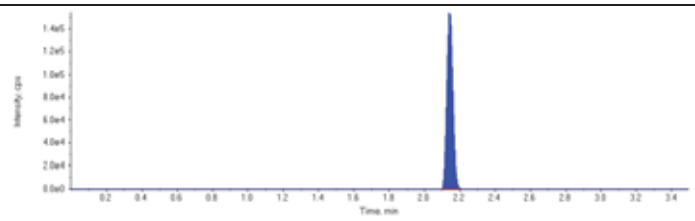
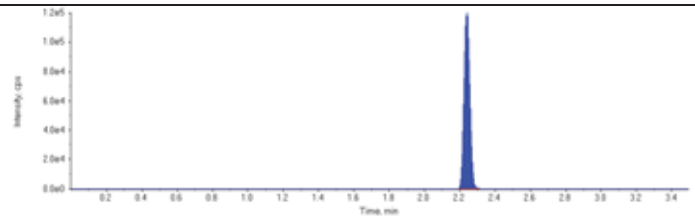
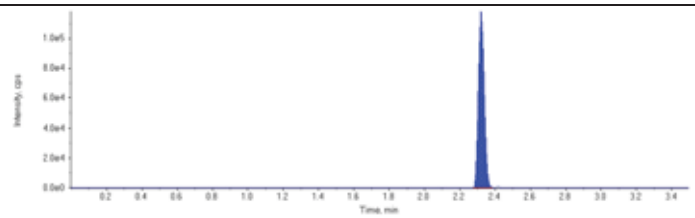
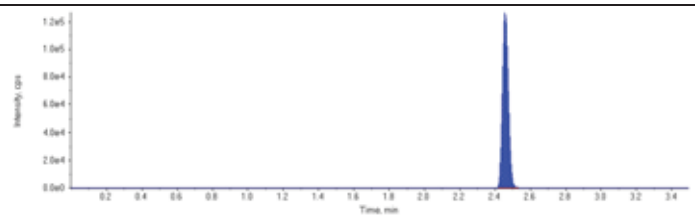
Area Ratio: 5.35

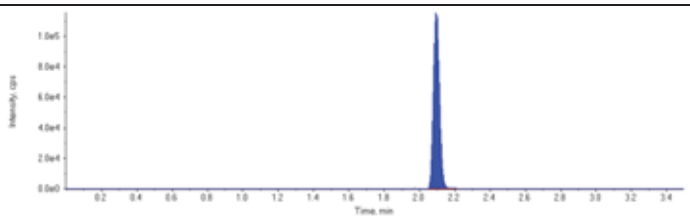
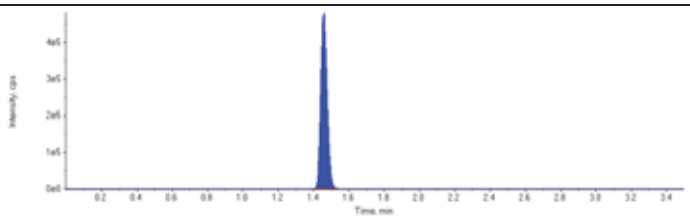
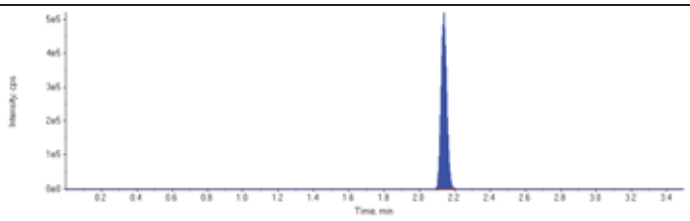
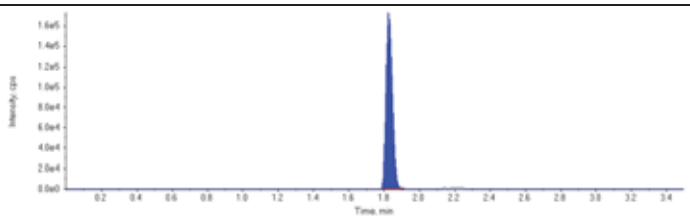
Sample Type: (Quality Control)



PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 13.0 µg/L Area Ratio: 4.50 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 13.7 µg/L Area Ratio: 4.96 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 11.3 µg/L Area Ratio: 4.74 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 12.6 µg/L Area Ratio: 4.44 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 11.2 µg/L Area Ratio: 3.96 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 11.3 µg/L Area Ratio: 4.68 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 13.9 µg/L Area Ratio: 3.72 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 12.4 µg/L Area Ratio: 5.44 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 108. µg/L Area Ratio: 0.381 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 114. µg/L Area Ratio: 0.128 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 106. µg/L Area Ratio: 0.406 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 110. µg/L Area Ratio: 0.331 Sample Type: (Quality Control)	

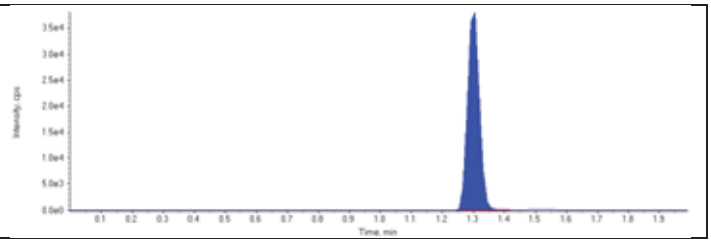
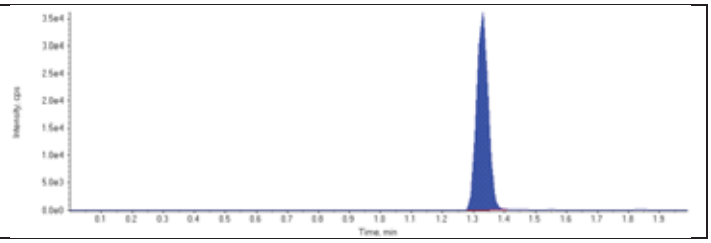
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 121. µg/L Area Ratio: 0.169 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 105. µg/L Area Ratio: 0.323 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 103. µg/L Area Ratio: 0.333 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 105. µg/L Area Ratio: 0.246 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 110. µg/L Area Ratio: 0.237 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 116. µg/L Area Ratio: 0.259 Sample Type: (Quality Control)	

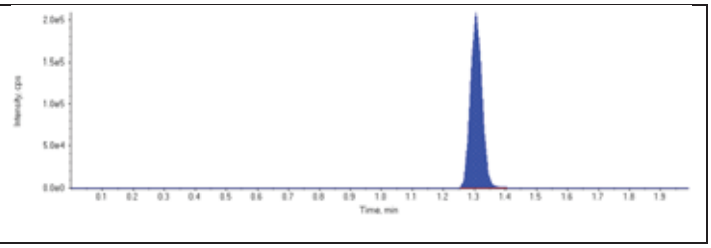
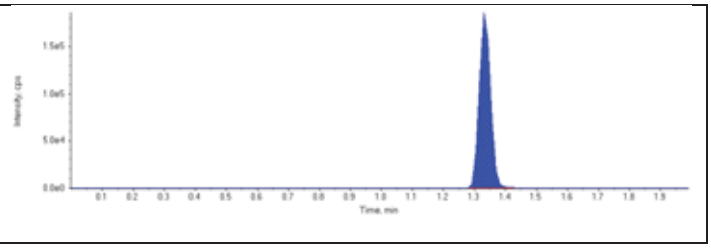
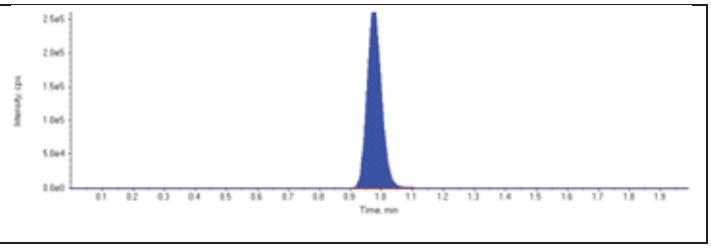
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 113. µg/L Area Ratio: 0.225 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 93.1 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 94.6 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 119. µg/L Area Ratio: 0.350 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	37
Acquisition Date	2017/03/03 5:59:29 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	101000.	1.30	1.00	-
D5-EtFOSAA IS	91700.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	524000	1.31	12.5	12.4	98.8
EtFOSAA 1	468000	1.33	12.5	12.6	101.0
13C9-PFDA	857000	0.975	100.	92.2	92.2

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 12.4 µg/L Area Ratio: 5.19 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 12.6 µg/L Area Ratio: 5.11 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.975 (0.855) min Calculated Conc: 92.2 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

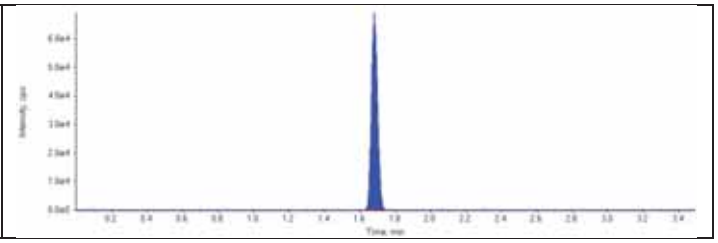
Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/03/09 9:21:31 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	165000.	1.68	1.00	-
MPFHxA	470000.	1.46	1.00	-
MPFHpA	528000.	1.71	1.00	-
MPFOA	387000.	1.89	1.00	-
MPFOS	220000.	1.97	1.00	-
MPFNA	433000.	2.03	1.00	-
MPFDA	414000.	2.14	1.00	-
MPFUnA	298000.	2.24	1.00	-
MPFDoA	211000.	2.32	1.00	-
MPFTeDA	295000.	2.46	1.00	-
M2 6:2 FTS	509000.	1.83	1.00	-
M2 8:2 FTS	297000.	2.09	1.00	-
13C6-PFHxA IS	1320000.	1.45	1.00	-
13C9-PFDA IS	1230000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1880000	1.15	12.5	12.1	96.5
PFHxA 1	2460000	1.47	12.5	12.9	103.0
PFHxS 1	1470000	1.68	12.5	12.5	100.0
PFHpA 1	2400000	1.71	12.5	13.3	107.0
PFOA 1	1710000	1.89	12.5	12.1	96.7
PFOS 1	1120000	1.97	12.5	11.5	91.7
PFNA 1	1640000	2.03	12.5	10.9	87.4
PFDA 1	1830000	2.14	12.5	12.2	97.3
PFUnA 1	1330000	2.24	12.5	10.7	85.4
PFDoA 1	1120000	2.32	12.5	15.0	120.0
PFTrDA 1	1190000	2.39	12.5	11.4	90.9
PFTeDA 1	1330000	2.46	12.5	10.9	87.5
6:2-FTS 1	1630000	1.83	12.5	12.0	95.7
8:2-FTS 1	1670000	2.10	12.5	12.8	102.0
13C2-PFHxA	470000	1.46	100.	101.	101.0
18O2-PFHxS	165000	1.68	100.	112.	112.0
13C4-PFHpA	528000	1.71	100.	105.	105.0
13C4-PFOA	387000	1.89	100.	97.8	97.8
13C4-PFOS	220000	1.97	100.	119.	119.0
13C5-PFNA	433000	2.03	100.	107.	107.0
13C2-PFDA	414000	2.14	100.	104.	104.0
13C2-PFUnA	298000	2.24	100.	104.	104.0
13C2-PFDoA	211000	2.32	100.	79.7	79.7
13C2-PFTeDA	295000	2.46	100.	107.	107.0
13C2-8:2 FTS	297000	2.09	100.	113.	113.0
13C6-PFHxA	1320000	1.45	100.	98.3	98.3
13C9-PFDA	1230000	2.14	100.	104.	104.0
13C2-6:2-FTS	509000	1.83	100.	131.	131.0

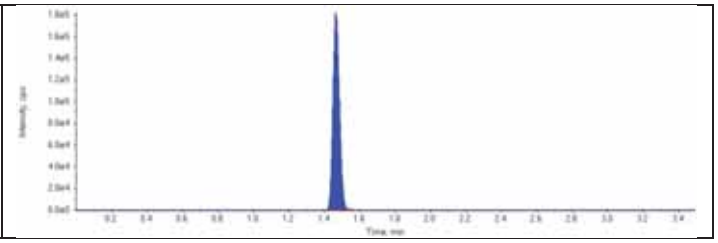
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



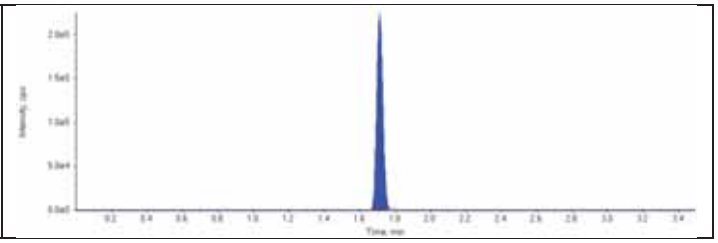
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



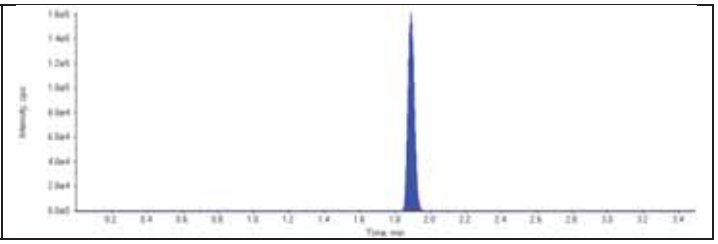
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



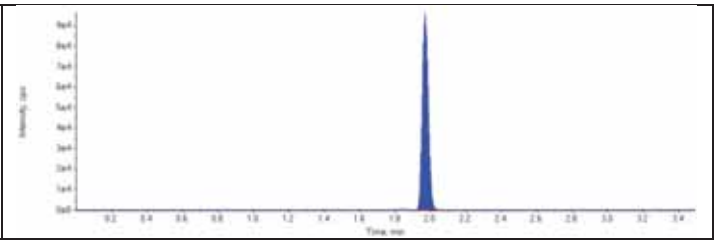
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



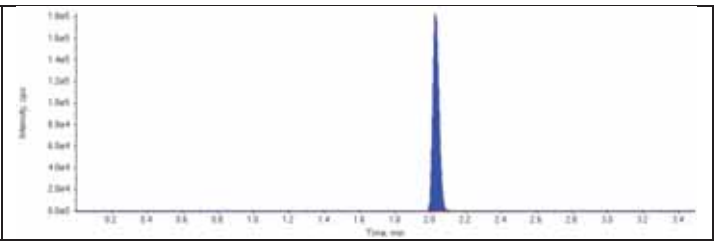
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



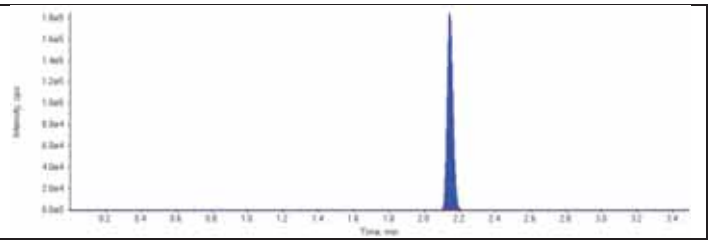
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



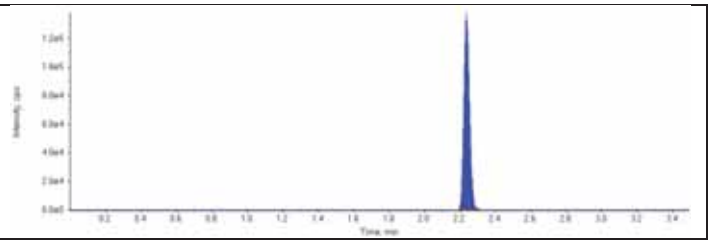
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



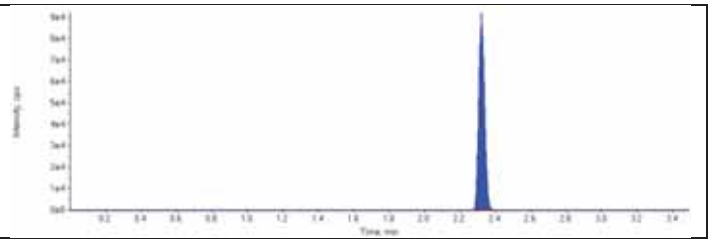
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



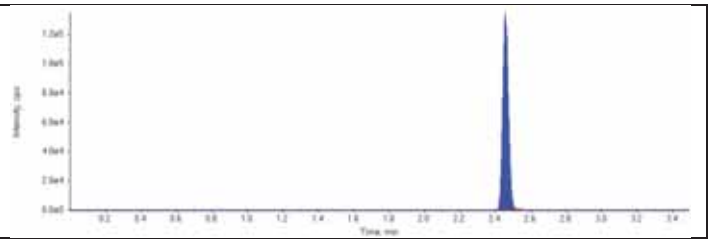
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



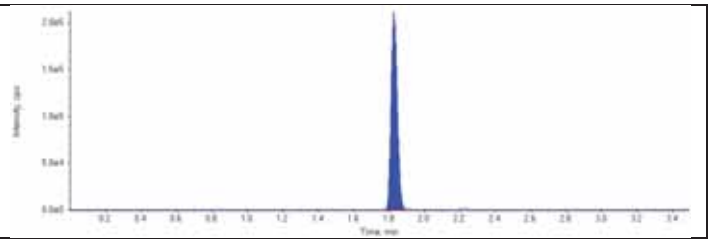
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



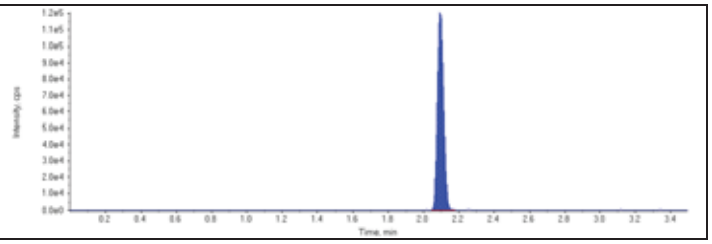
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



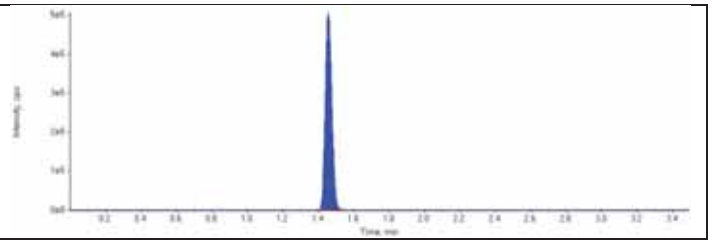
M2 8:2 FTS (Internal Standard)

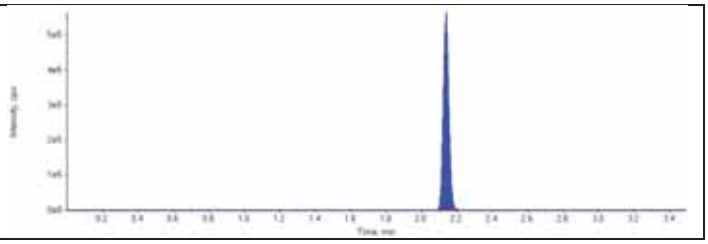
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

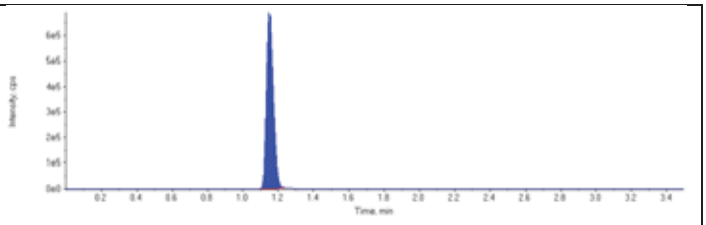
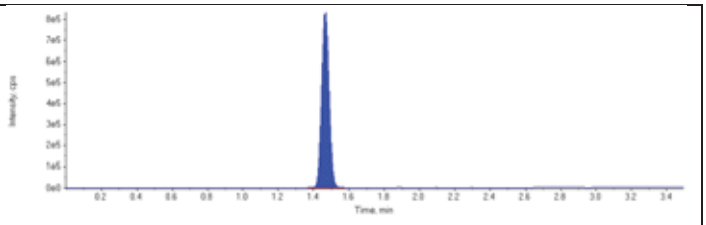
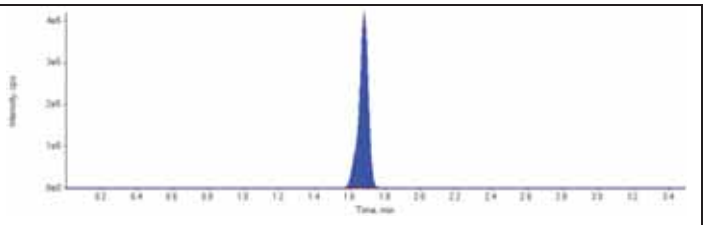
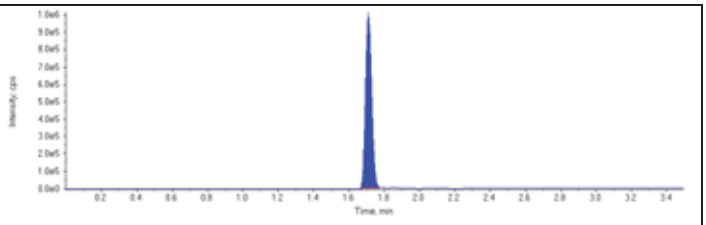
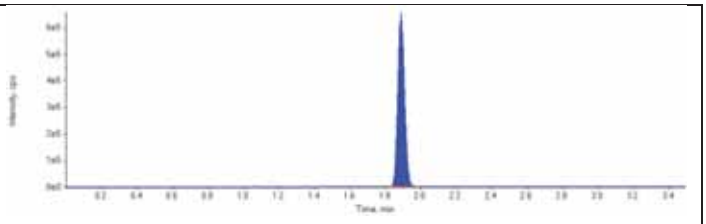
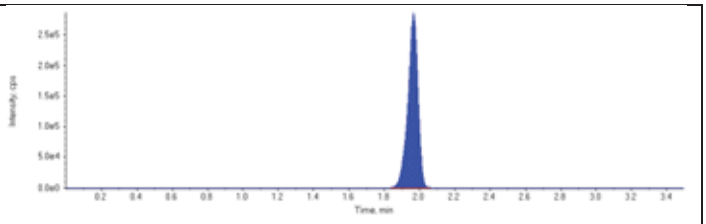


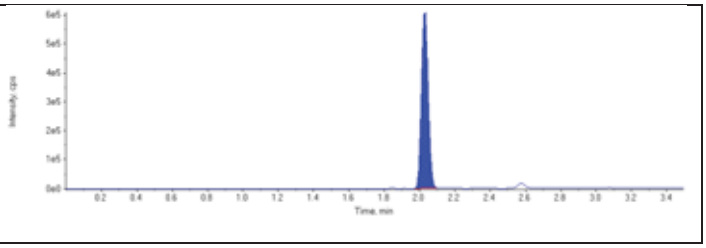
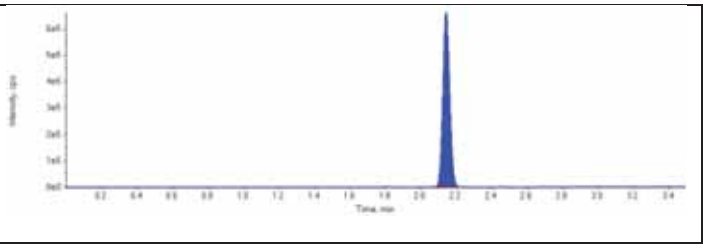
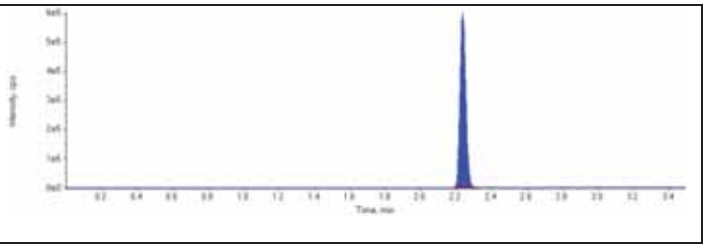
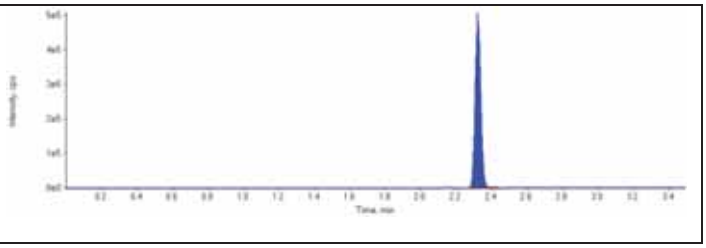
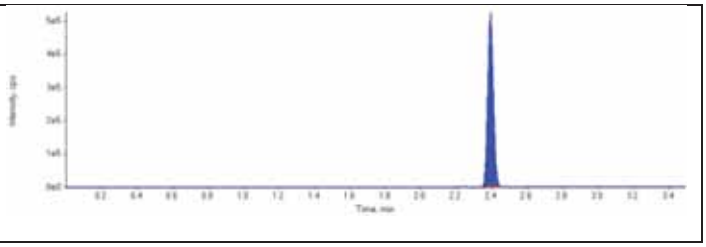
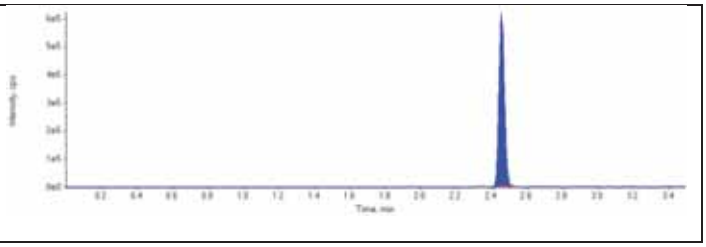
13C6-PFHxA IS (Internal Standard)

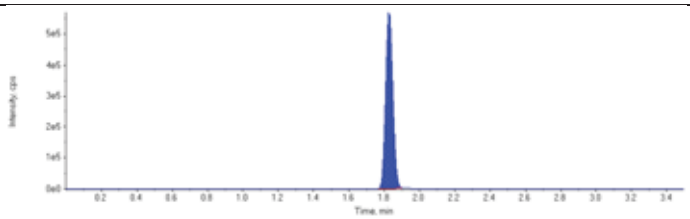
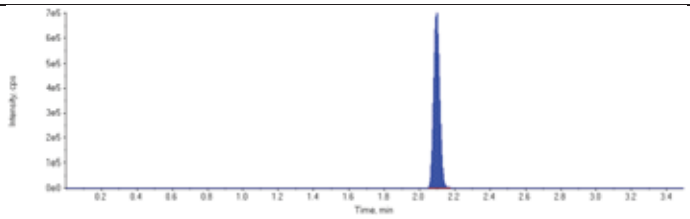
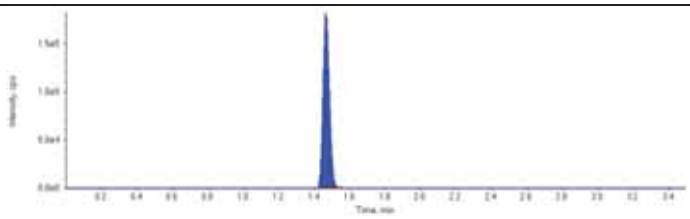
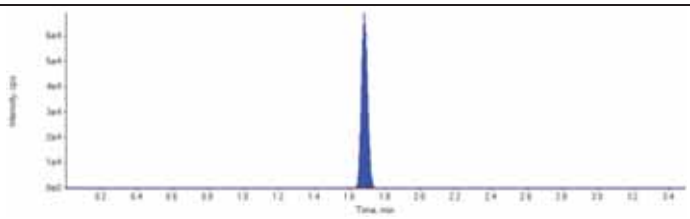
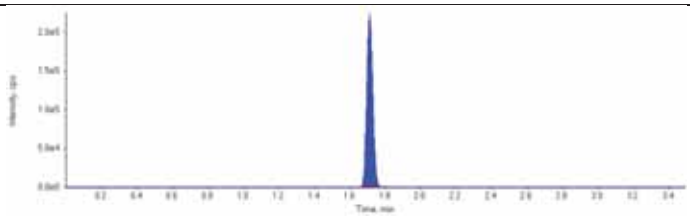
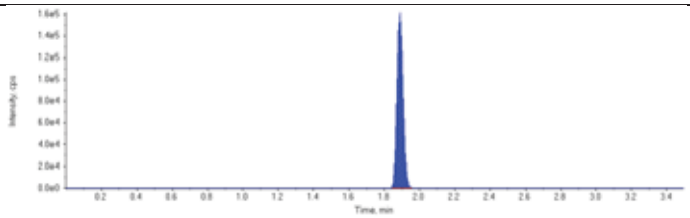
RT (Exp. RT): 1.45(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

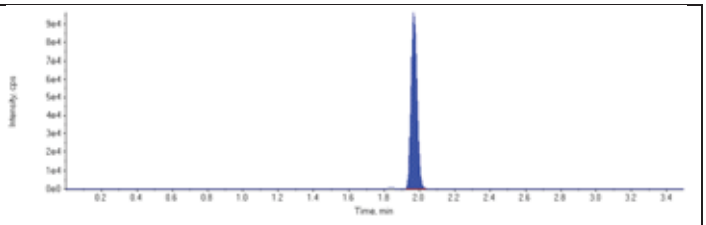
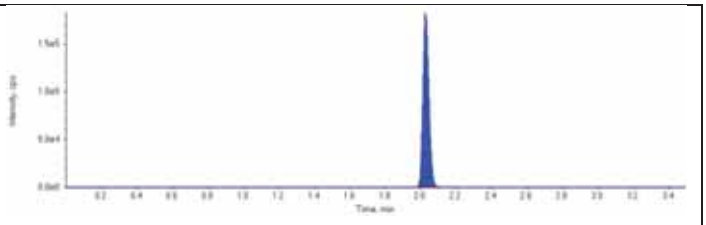
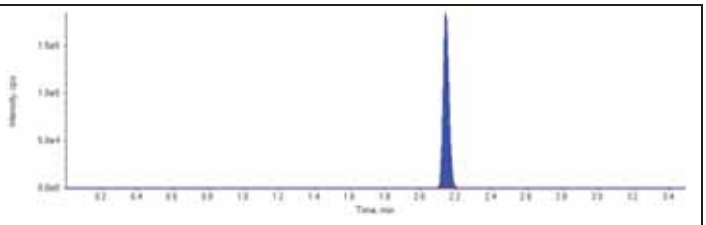
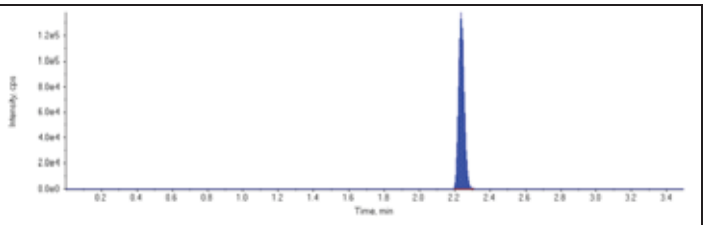
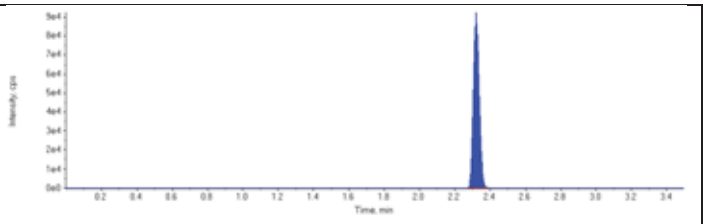
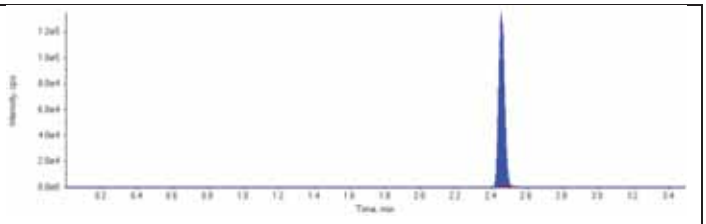


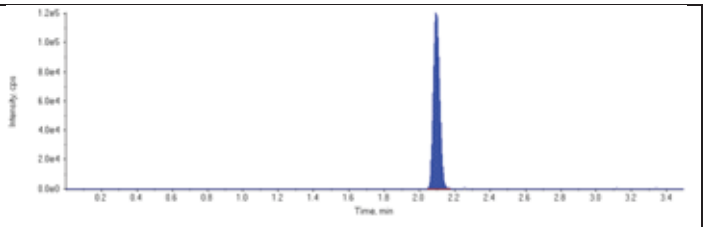
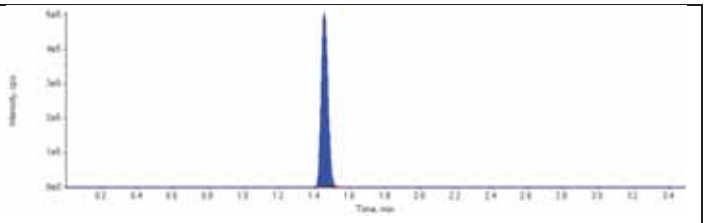
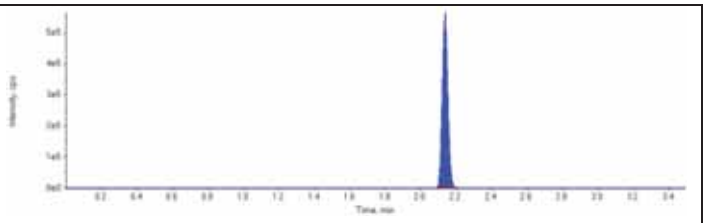
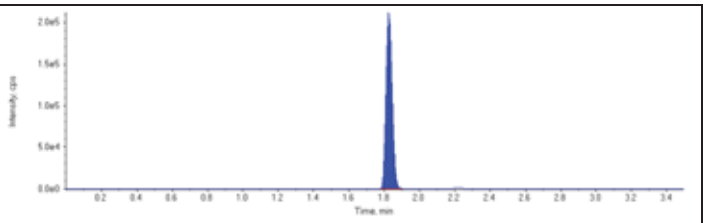
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 12.1 µg/L Area Ratio: 11.4 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.47 (1.48) min Calculated Conc: 12.9 µg/L Area Ratio: 5.23 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 12.5 µg/L Area Ratio: 8.96 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 13.3 µg/L Area Ratio: 4.54 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 12.1 µg/L Area Ratio: 4.41 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 11.5 µg/L Area Ratio: 5.10 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 10.9 µg/L Area Ratio: 3.77 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 12.2 µg/L Area Ratio: 4.42 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 10.7 µg/L Area Ratio: 4.46 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 15.0 µg/L Area Ratio: 5.29 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 11.4 µg/L Area Ratio: 4.03 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 10.9 µg/L Area Ratio: 4.52 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 12.0 µg/L Area Ratio: 3.20 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 12.8 µg/L Area Ratio: 5.61 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 101. µg/L Area Ratio: 0.357 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 112. µg/L Area Ratio: 0.125 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 105. µg/L Area Ratio: 0.401 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 97.8 µg/L Area Ratio: 0.294 Sample Type: (Quality Control)	

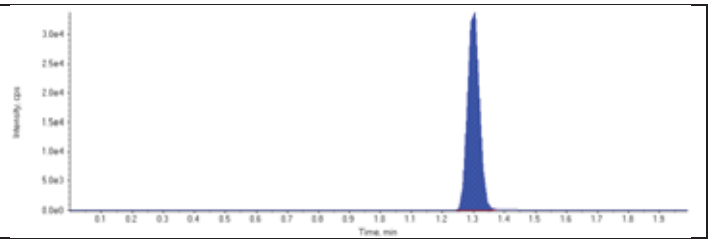
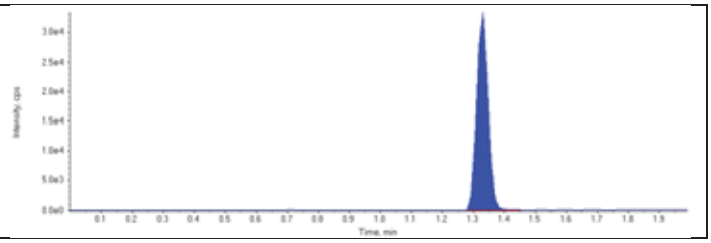
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 119. µg/L Area Ratio: 0.167 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 107. µg/L Area Ratio: 0.329 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 104. µg/L Area Ratio: 0.336 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 104. µg/L Area Ratio: 0.242 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 79.7 µg/L Area Ratio: 0.172 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 107. µg/L Area Ratio: 0.240 Sample Type: (Quality Control)	

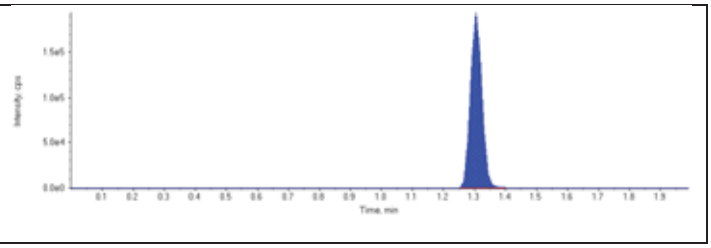
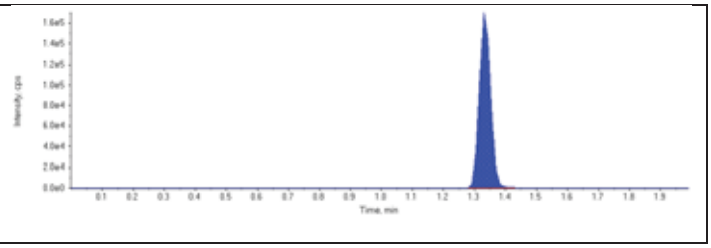
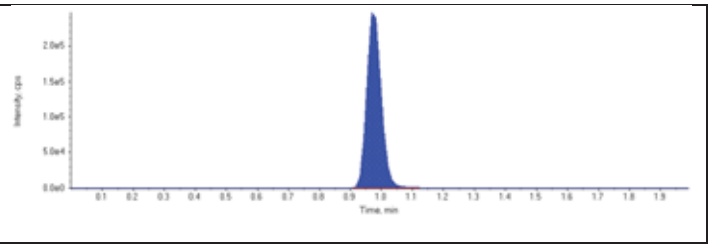
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 113. µg/L Area Ratio: 0.226 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 98.3 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 104. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 131. µg/L Area Ratio: 0.386 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	37
Acquisition Date	2017/03/03 6:27:42 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	89300.	1.30	1.00	-
D5-EtFOSAA IS	84800.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	488000	1.31	12.5	13.0	104.0
EtFOSAA 1	429000	1.33	12.5	12.5	99.8
13C9-PFDA	803000	0.974	100.	86.4	86.4

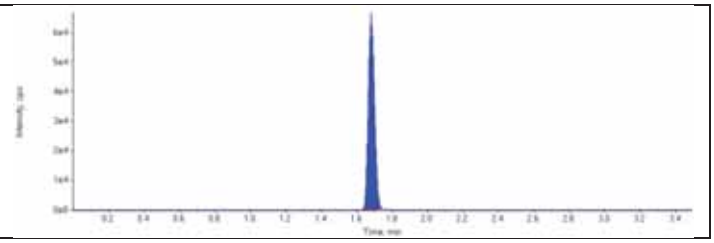
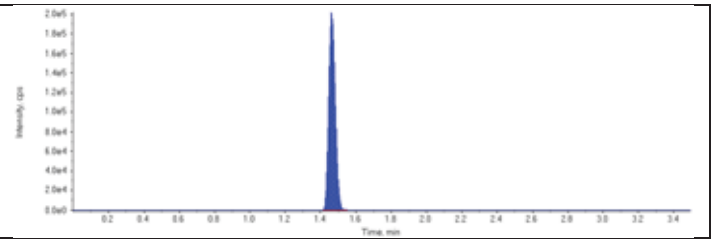
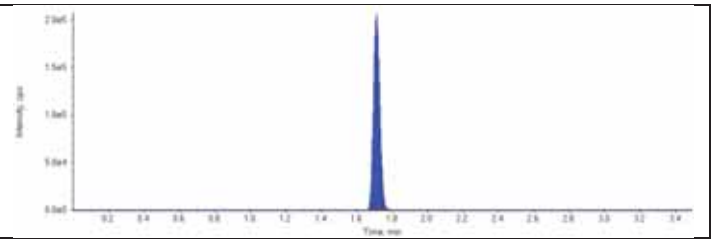
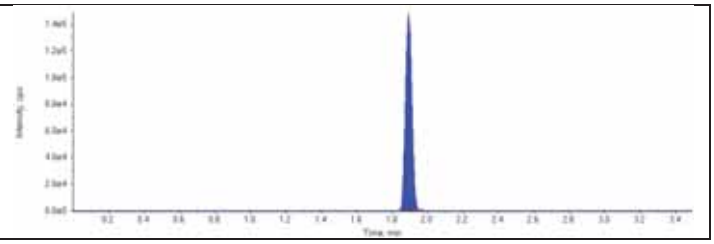
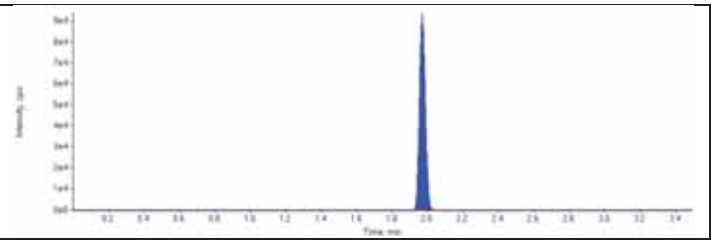
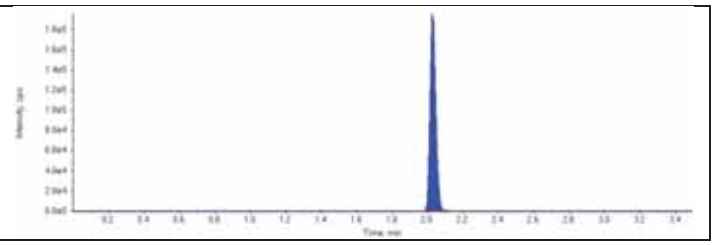
D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.31 (1.28) min Calculated Conc: 13.0 µg/L Area Ratio: 5.47 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 12.5 µg/L Area Ratio: 5.06 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.974 (0.855) min Calculated Conc: 86.4 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/03/09 9:57:01 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

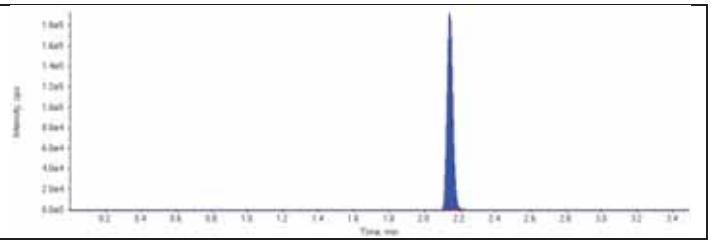
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	161000.	1.68	1.00	-
MPFHxA	517000.	1.46	1.00	-
MPFHpA	508000.	1.71	1.00	-
MPFOA	372000.	1.89	1.00	-
MPFOS	217000.	1.97	1.00	-
MPFNA	452000.	2.03	1.00	-
MPFDA	429000.	2.14	1.00	-
MPFUnA	296000.	2.24	1.00	-
MPFDoA	243000.	2.32	1.00	-
MPFTeDA	265000.	2.45	1.00	-
M2 6:2 FTS	475000.	1.83	1.00	-
M2 8:2 FTS	304000.	2.10	1.00	-
13C6-PFHxA IS	1300000.	1.46	1.00	-
13C9-PFDA IS	1100000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1940000	1.15	12.5	12.7	102.0
PFHxA 1	2440000	1.46	12.5	11.6	93.0
PFHxS 1	1450000	1.68	12.5	12.6	101.0
PFHpA 1	2410000	1.71	12.5	14.0	112.0
PFOA 1	1780000	1.89	12.5	13.1	105.0
PFOS 1	1140000	1.97	12.5	11.8	94.7
PFNA 1	1770000	2.03	12.5	11.3	90.7
PFDA 1	1670000	2.14	12.5	10.7	85.7
PFUnA 1	1390000	2.24	12.5	11.3	90.1
PFDoA 1	1210000	2.32	12.5	14.1	113.0
PFTrDA 1	1440000	2.39	12.5	15.4	123.0
PFTeDA 1	1200000	2.46	12.5	11.0	87.7
6:2-FTS 1	1550000	1.83	12.5	12.2	97.3
8:2-FTS 1	1680000	2.10	12.5	12.6	101.0
13C2-PFHxA	517000	1.46	100.	113.	113.0
18O2-PFHxS	161000	1.68	100.	111.	111.0
13C4-PFHpA	508000	1.71	100.	102.	102.0
13C4-PFOA	372000	1.89	100.	95.3	95.3
13C4-PFOS	217000	1.97	100.	119.	119.0
13C5-PFNA	452000	2.03	100.	113.	113.0
13C2-PFDA	429000	2.14	100.	121.	121.0
13C2-PFUnA	296000	2.24	100.	115.	115.0
13C2-PFDoA	243000	2.32	100.	102.	102.0
13C2-PFTeDA	265000	2.45	100.	108.	108.0
13C2-8:2 FTS	304000	2.10	100.	117.	117.0
13C6-PFHxA	1300000	1.46	100.	97.0	97.0
13C9-PFDA	1100000	2.14	100.	92.5	92.5
13C2-6:2-FTS	475000	1.83	100.	124.	124.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

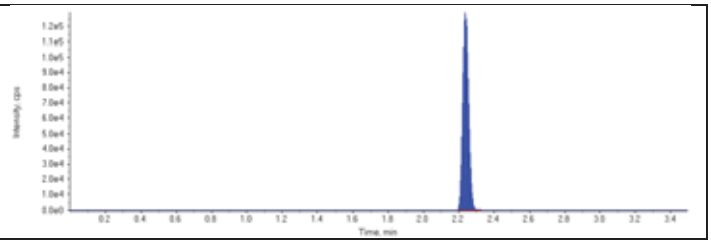
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



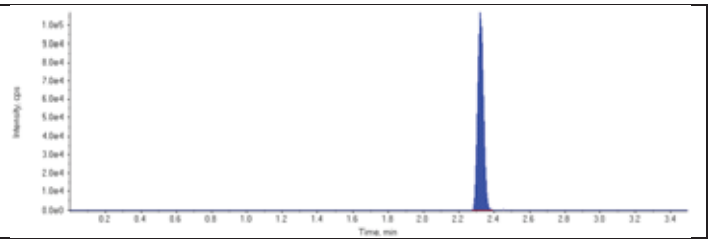
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



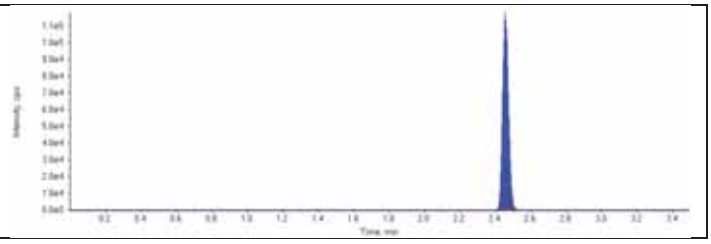
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



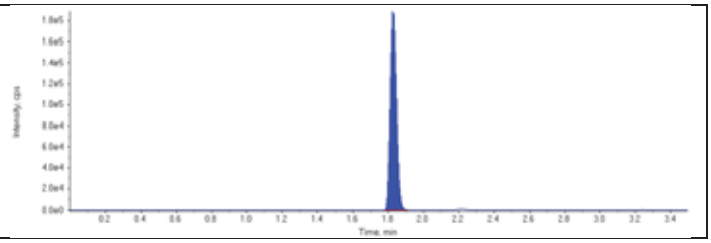
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.45(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



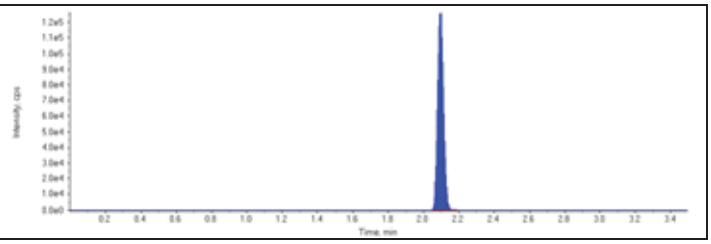
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



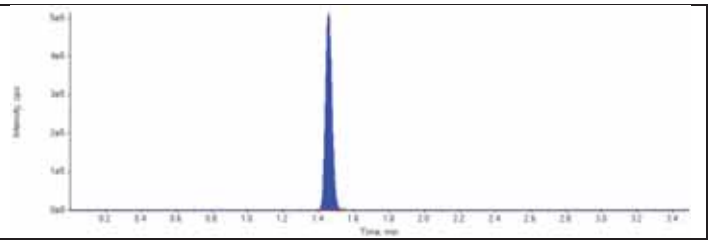
M2 8:2 FTS (Internal Standard)

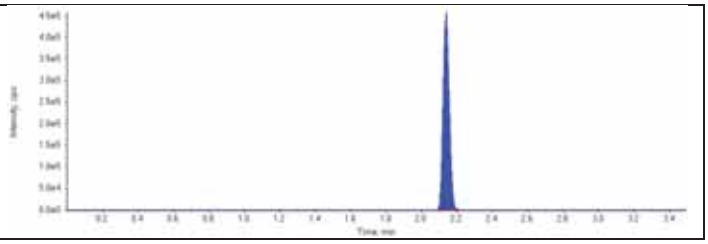
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

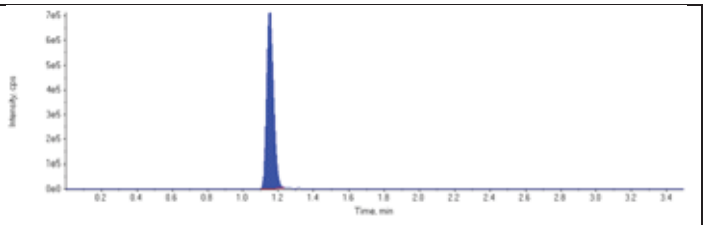
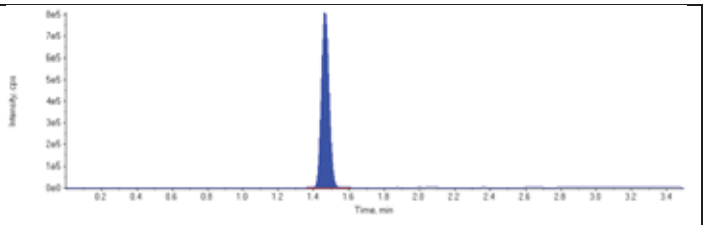
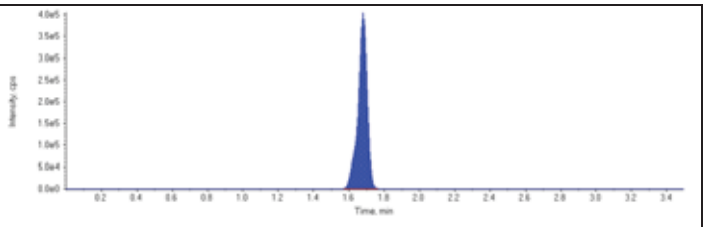
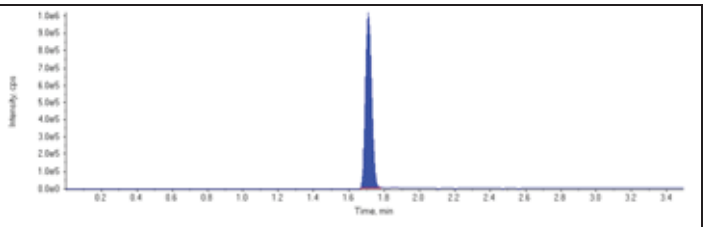
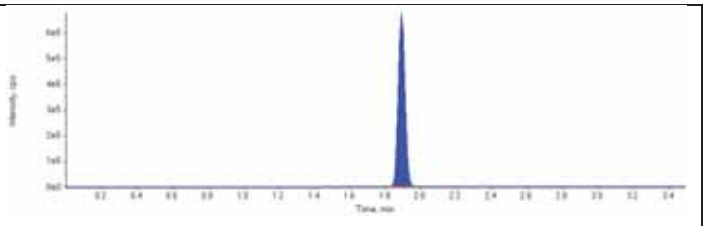
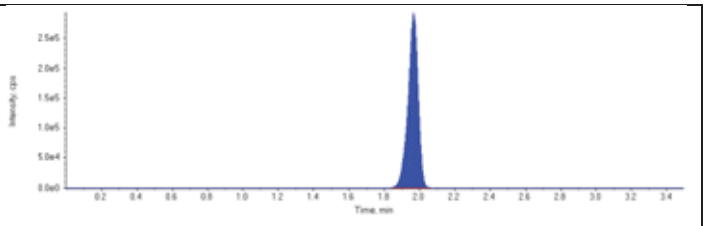


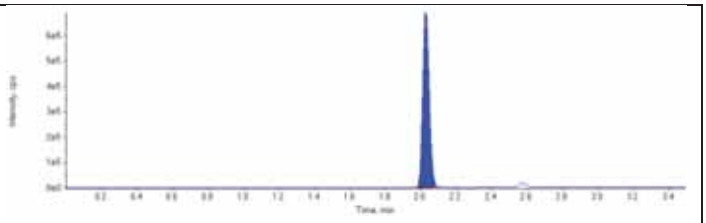
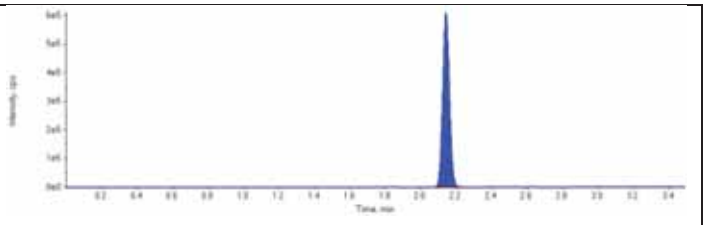
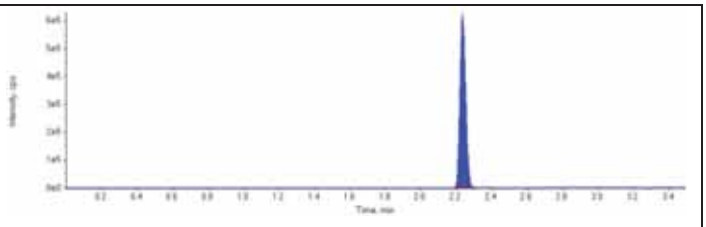
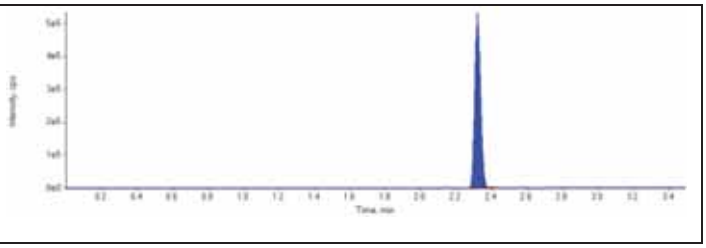
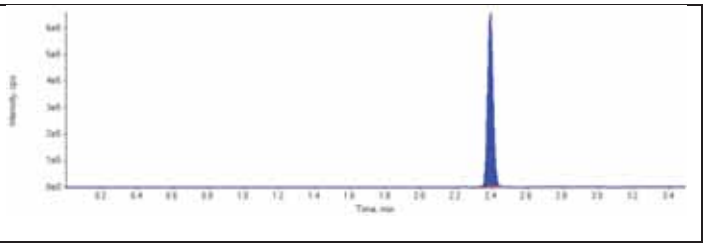
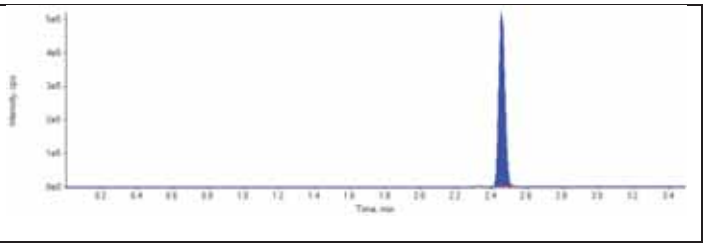
13C6-PFHxA IS (Internal Standard)

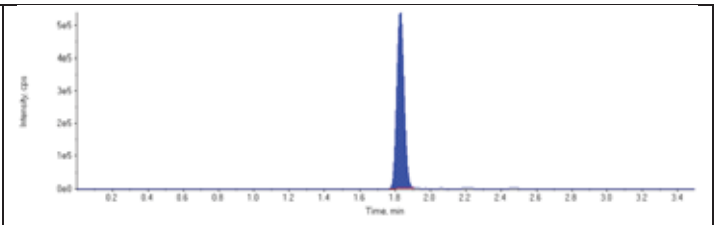
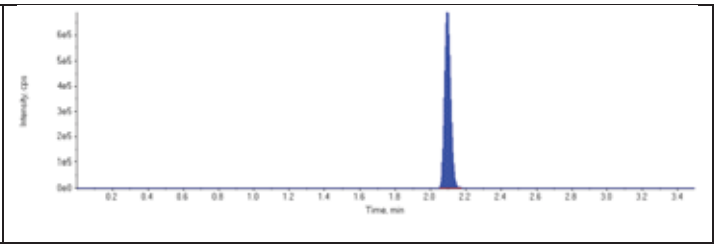
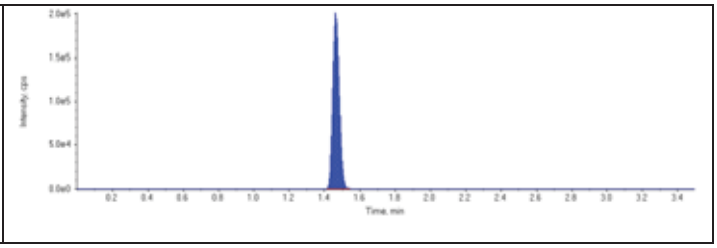
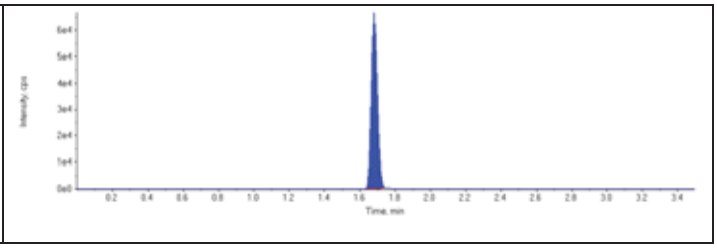
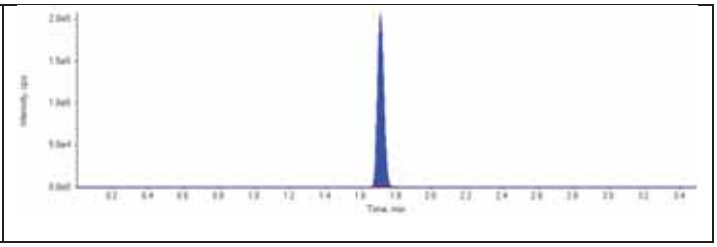
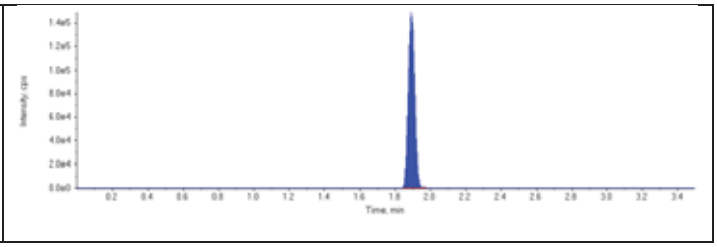
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 12.7 µg/L Area Ratio: 12.1 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 11.6 µg/L Area Ratio: 4.72 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 12.6 µg/L Area Ratio: 9.00 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 14.0 µg/L Area Ratio: 4.76 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 13.1 µg/L Area Ratio: 4.79 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 11.8 µg/L Area Ratio: 5.26 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 11.3 µg/L Area Ratio: 3.92 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 10.7 µg/L Area Ratio: 3.89 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 11.3 µg/L Area Ratio: 4.71 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 14.1 µg/L Area Ratio: 4.97 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 15.4 µg/L Area Ratio: 5.43 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 11.0 µg/L Area Ratio: 4.53 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 12.2 µg/L Area Ratio: 3.26 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 12.6 µg/L Area Ratio: 5.54 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 113. µg/L Area Ratio: 0.398 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 111. µg/L Area Ratio: 0.124 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 102. µg/L Area Ratio: 0.391 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 95.3 µg/L Area Ratio: 0.287 Sample Type: (Quality Control)	

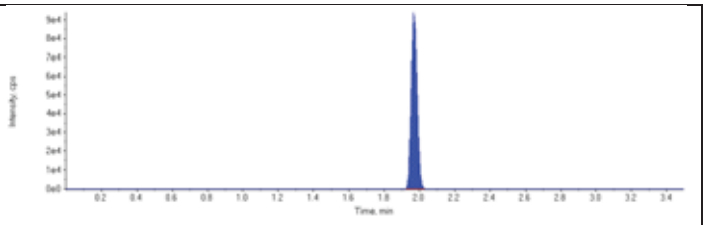
13C4-PFOS (502.900/79.900 Da)

RT (Exp. RT): 1.97 (1.97) min

Calculated Conc: 119. µg/L

Area Ratio: 0.167

Sample Type: (Quality Control)



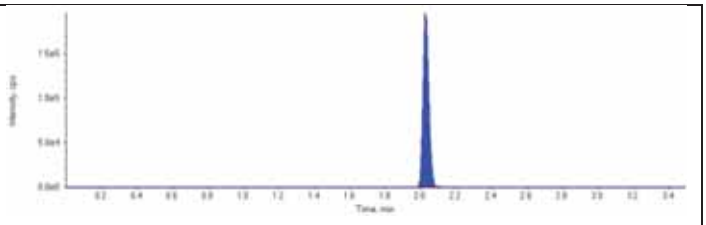
13C5-PFNA (467.900/423.000 Da)

RT (Exp. RT): 2.03 (2.02) min

Calculated Conc: 113. µg/L

Area Ratio: 0.349

Sample Type: (Quality Control)



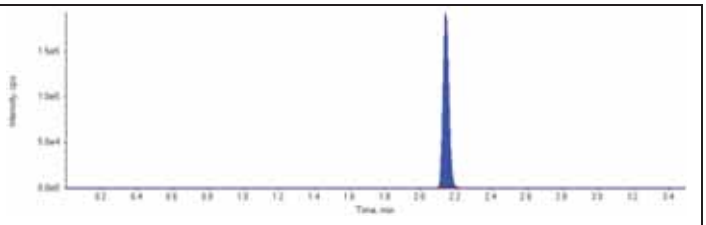
13C2-PFDA (514.900/470.000 Da)

RT (Exp. RT): 2.14 (2.14) min

Calculated Conc: 121. µg/L

Area Ratio: 0.391

Sample Type: (Quality Control)



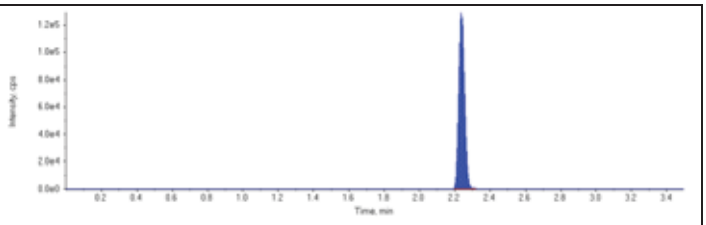
13C2-PFUnA (564.900/520.000 Da)

RT (Exp. RT): 2.24 (2.24) min

Calculated Conc: 115. µg/L

Area Ratio: 0.269

Sample Type: (Quality Control)



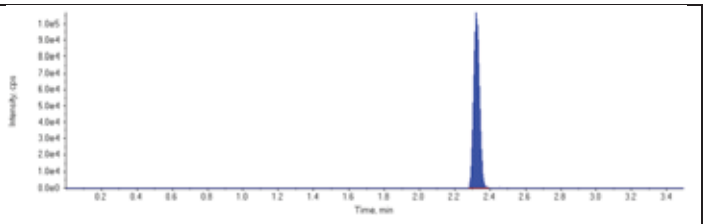
13C2-PFDoA (614.900/570.000 Da)

RT (Exp. RT): 2.32 (2.32) min

Calculated Conc: 102. µg/L

Area Ratio: 0.221

Sample Type: (Quality Control)



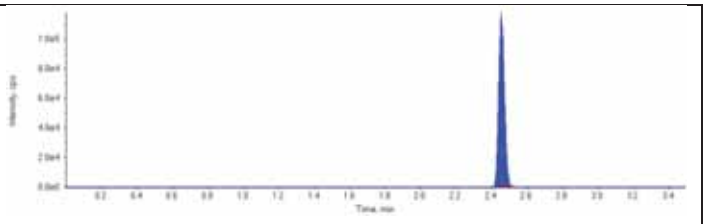
13C2-PFTeDA (714.900/669.900 Da)

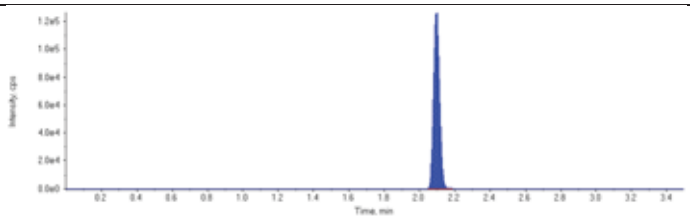
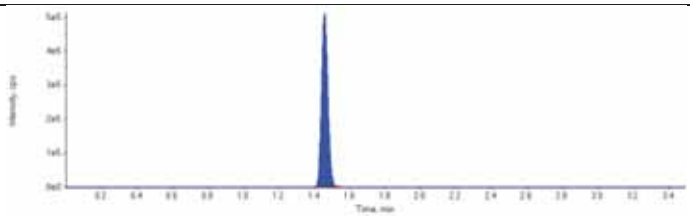
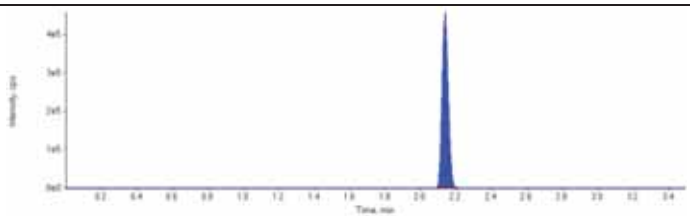
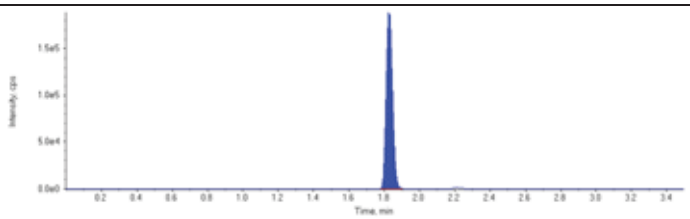
RT (Exp. RT): 2.45 (2.46) min

Calculated Conc: 108. µg/L

Area Ratio: 0.241

Sample Type: (Quality Control)

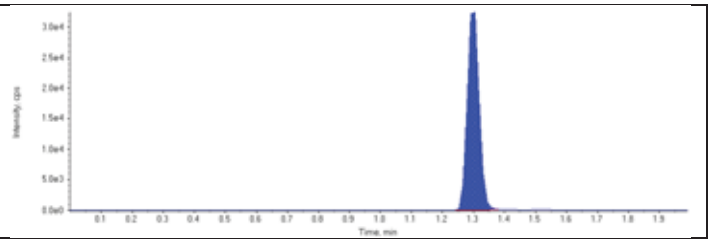
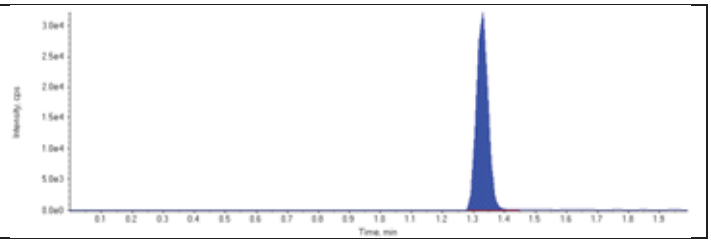


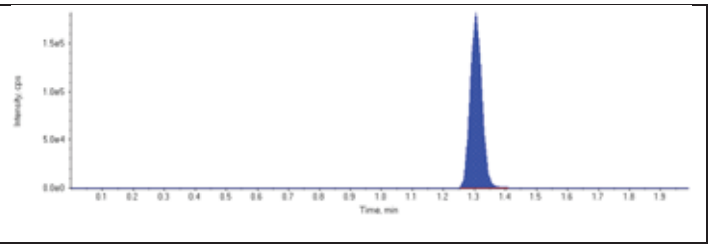
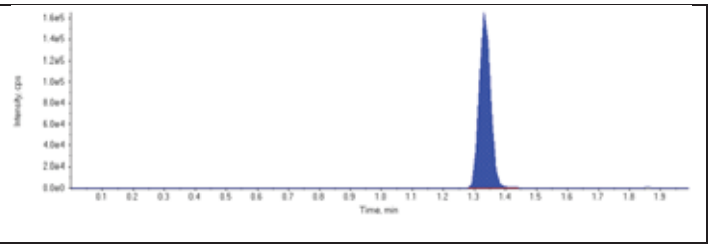
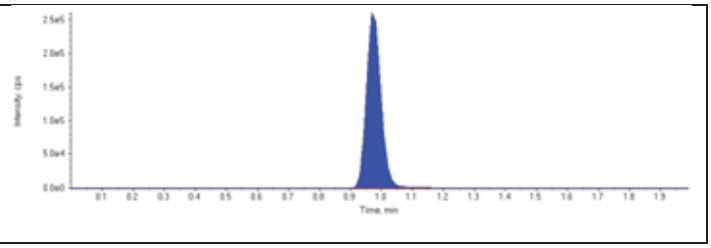
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 117. µg/L Area Ratio: 0.234 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 97.0 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 92.5 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 124. µg/L Area Ratio: 0.366 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	37
Acquisition Date	2017/03/03 6:50:47 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	87300.	1.30	1.00	-
D5-EtFOSAA IS	82300.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	463000	1.30	12.5	12.6	101.0
EtFOSAA 1	414000	1.33	12.5	12.4	99.2
13C9-PFDA	850000	0.973	100.	91.4	91.4

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.33(1.31) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.30 (1.28) min Calculated Conc: 12.6 µg/L Area Ratio: 5.30 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 12.4 µg/L Area Ratio: 5.03 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.973 (0.855) min Calculated Conc: 91.4 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

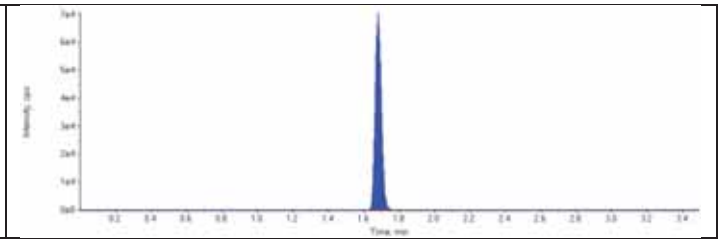
Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/03/09 10:02:05 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	169000.	1.68	1.00	-
MPFHxA	456000.	1.46	1.00	-
MPFHpA	528000.	1.71	1.00	-
MPFOA	414000.	1.89	1.00	-
MPFOS	209000.	1.97	1.00	-
MPFNA	423000.	2.03	1.00	-
MPFDA	413000.	2.14	1.00	-
MPFUnA	302000.	2.24	1.00	-
MPFDoA	292000.	2.32	1.00	-
MPFTeDA	283000.	2.46	1.00	-
M2 6:2 FTS	486000.	1.83	1.00	-
M2 8:2 FTS	283000.	2.10	1.00	-
13C6-PFHxA IS	1350000.	1.45	1.00	-
13C9-PFDA IS	1240000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1920000	1.15	12.5	12.0	95.8
PFHxA 1	2440000	1.46	12.5	13.2	105.0
PFHxS 1	1440000	1.68	12.5	11.9	95.2
PFHpA 1	2270000	1.71	12.5	12.6	101.0
PFOA 1	1910000	1.89	12.5	12.7	101.0
PFOS 1	1120000	1.97	12.5	12.1	96.7
PFNA 1	1660000	2.03	12.5	11.4	91.1
PFDA 1	1760000	2.14	12.5	11.7	93.7
PFUnA 1	1370000	2.24	12.5	10.9	86.9
PFDoA 1	1430000	2.32	12.5	14.0	112.0
PFTrDA 1	1290000	2.39	12.5	12.9	103.0
PFTeDA 1	1360000	2.46	12.5	11.7	93.2
6:2-FTS 1	1380000	1.83	12.5	10.6	84.5
8:2-FTS 1	1500000	2.10	12.5	12.1	96.6
13C2-PFHxA	456000	1.46	100.	96.0	96.0
18O2-PFHxS	169000	1.68	100.	112.	112.0
13C4-PFHpA	528000	1.71	100.	102.	102.0
13C4-PFOA	414000	1.89	100.	102.	102.0
13C4-PFOS	209000	1.97	100.	110.	110.0
13C5-PFNA	423000	2.03	100.	102.	102.0
13C2-PFDA	413000	2.14	100.	103.	103.0
13C2-PFUnA	302000	2.24	100.	104.	104.0
13C2-PFDoA	292000	2.32	100.	109.	109.0
13C2-PFTeDA	283000	2.46	100.	102.	102.0
13C2-8:2 FTS	283000	2.10	100.	105.	105.0
13C6-PFHxA	1350000	1.45	100.	101.	101.0
13C9-PFDA	1240000	2.14	100.	104.	104.0
13C2-6:2-FTS	486000	1.83	100.	122.	122.0

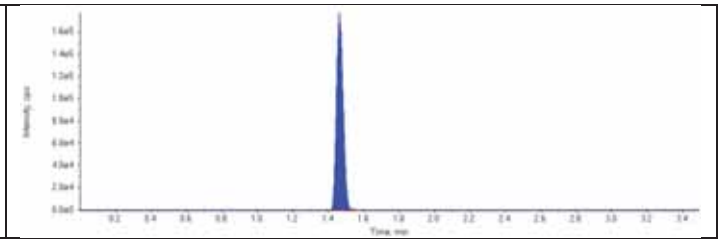
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



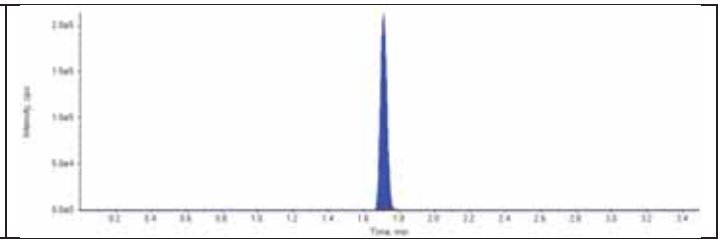
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



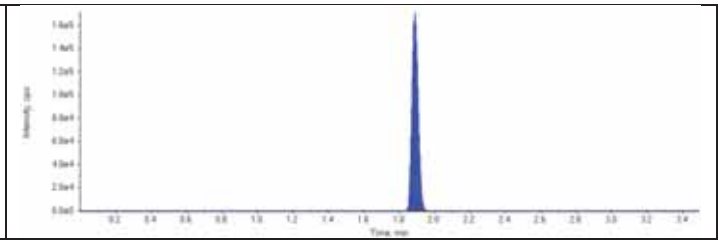
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



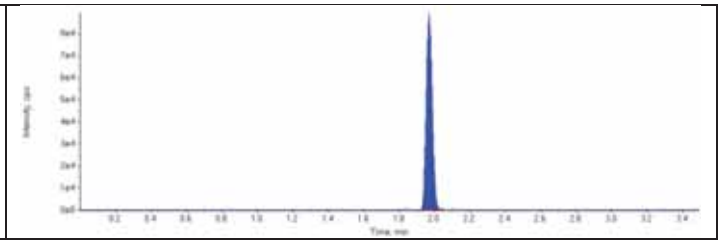
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



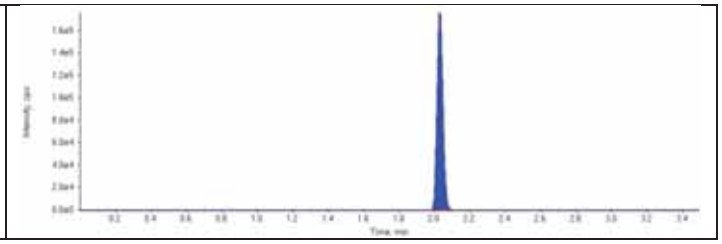
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



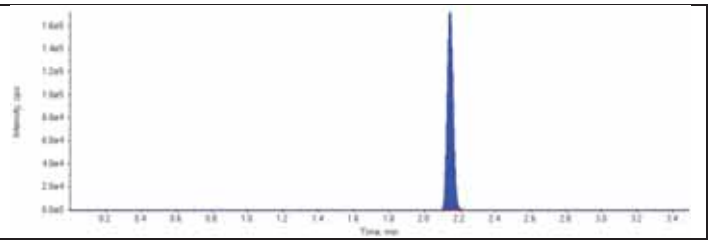
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



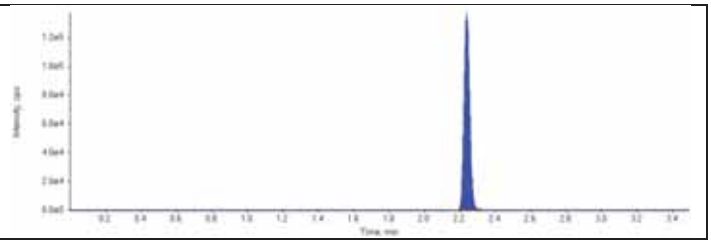
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



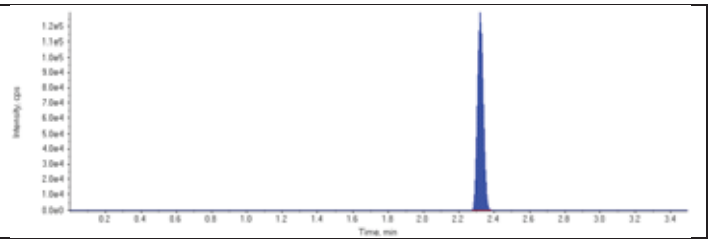
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



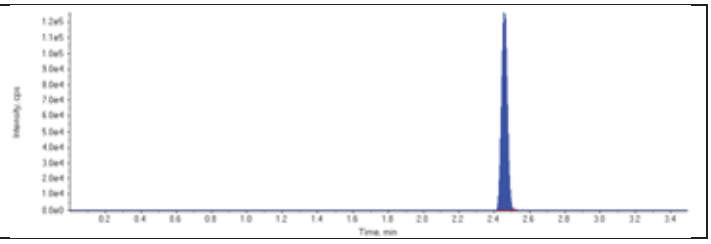
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



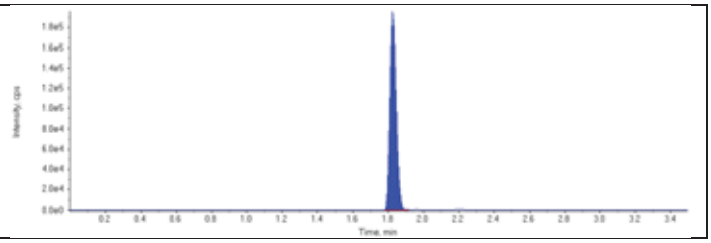
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



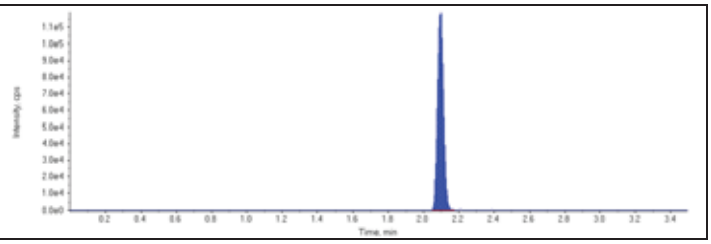
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



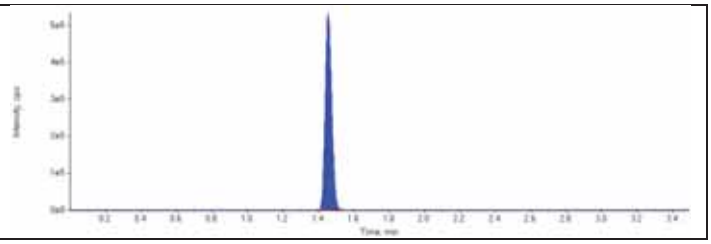
M2 8:2 FTS (Internal Standard)

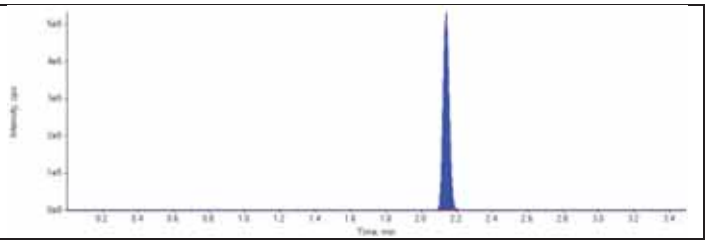
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.45(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

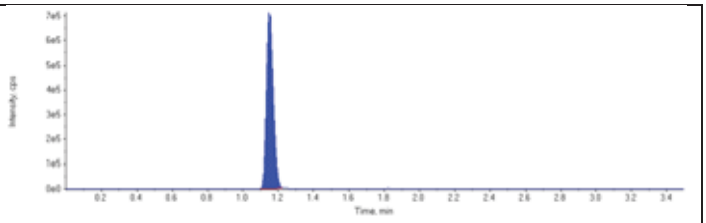
PFBS 1 (298.900/79.900 Da)

RT (Exp. RT): 1.15 (1.19) min

Calculated Conc: 12.0 µg/L

Area Ratio: 11.4

Sample Type: (Quality Control)



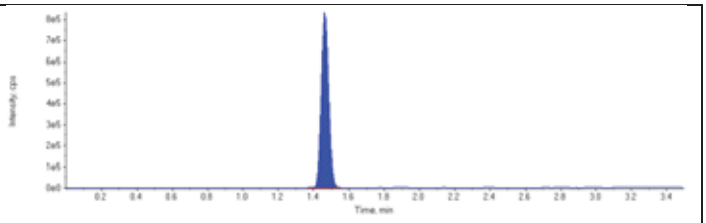
PFHxA 1 (313.000/269.000 Da)

RT (Exp. RT): 1.46 (1.48) min

Calculated Conc: 13.2 µg/L

Area Ratio: 5.35

Sample Type: (Quality Control)



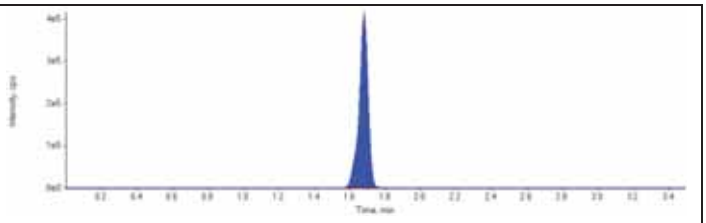
PFHxS 1 (398.900/79.900 Da)

RT (Exp. RT): 1.68 (1.68) min

Calculated Conc: 11.9 µg/L

Area Ratio: 8.51

Sample Type: (Quality Control)



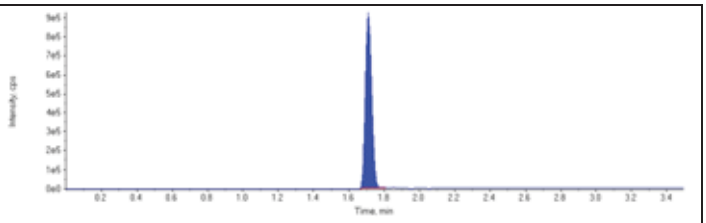
PFHpA 1 (363.000/319.000 Da)

RT (Exp. RT): 1.71 (1.74) min

Calculated Conc: 12.6 µg/L

Area Ratio: 4.31

Sample Type: (Quality Control)



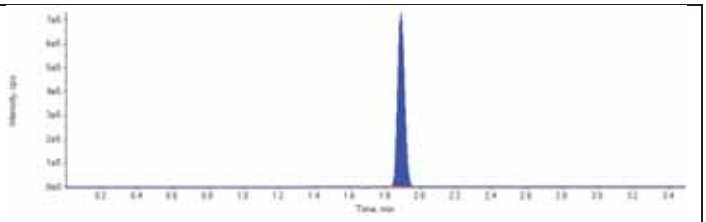
PFOA 1 (413.100/369.000 Da)

RT (Exp. RT): 1.89 (1.88) min

Calculated Conc: 12.7 µg/L

Area Ratio: 4.61

Sample Type: (Quality Control)



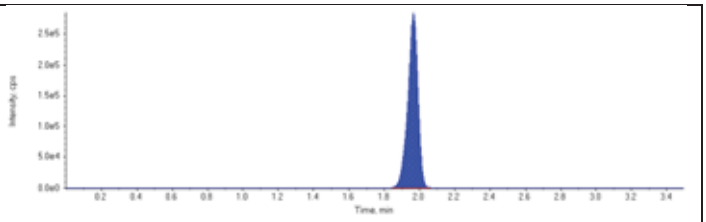
PFOS 1 (498.900/79.900 Da)

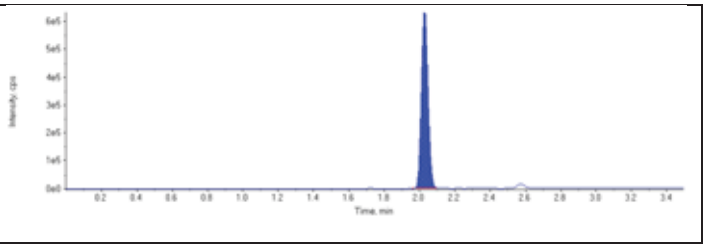
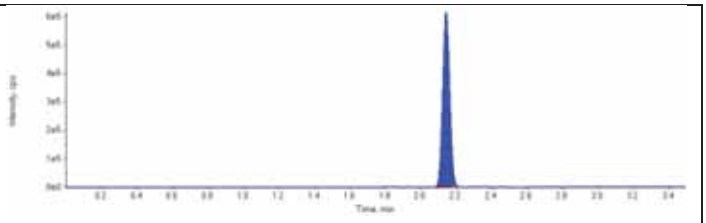
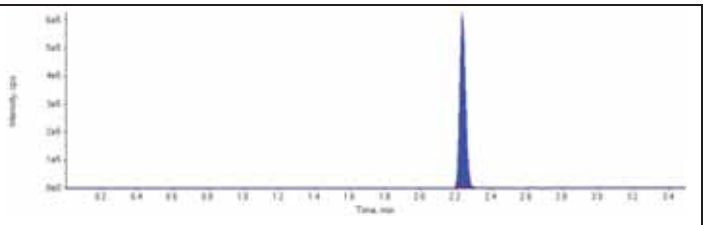
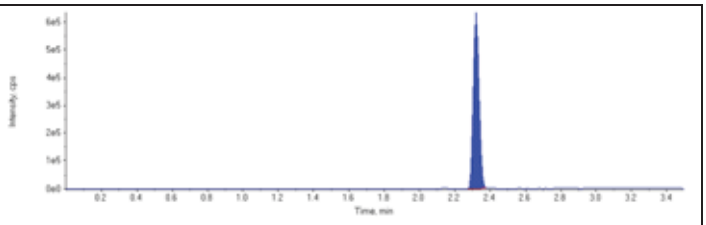
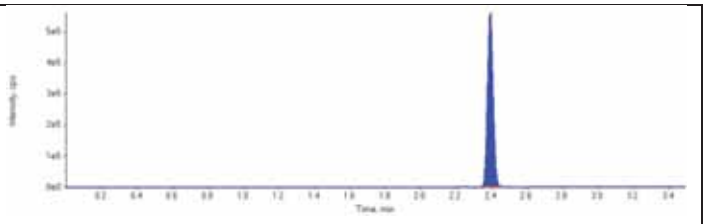
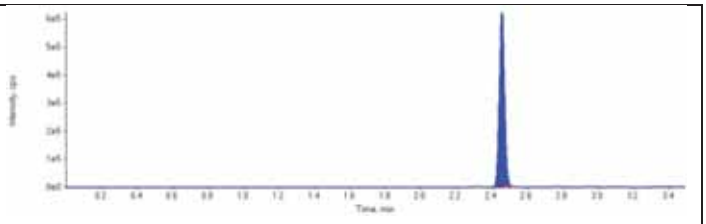
RT (Exp. RT): 1.97 (1.97) min

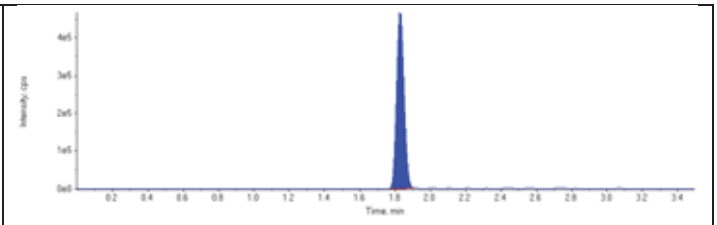
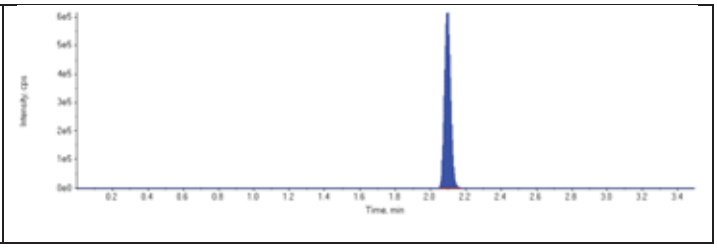
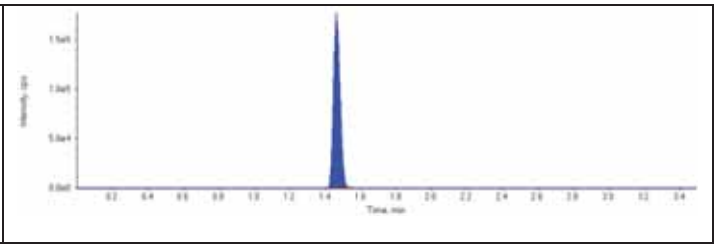
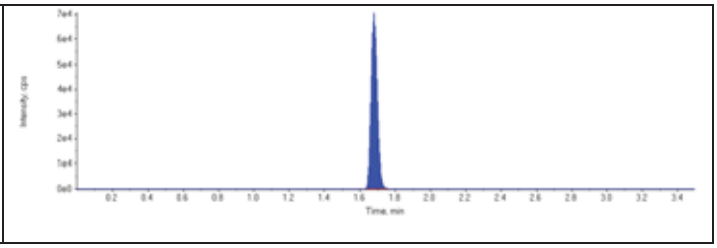
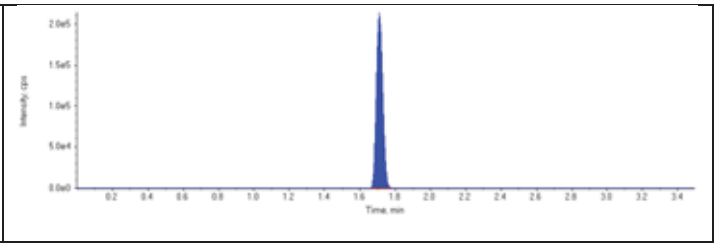
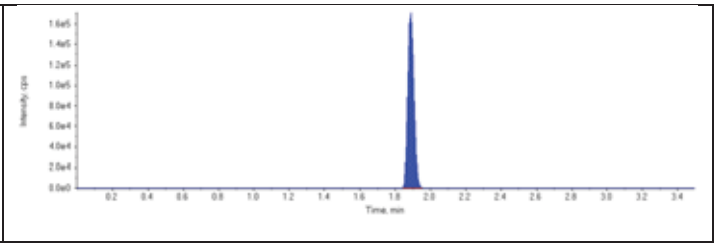
Calculated Conc: 12.1 µg/L

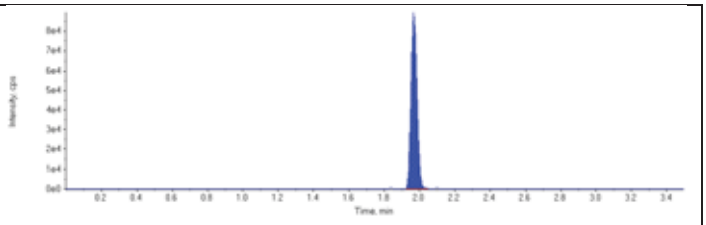
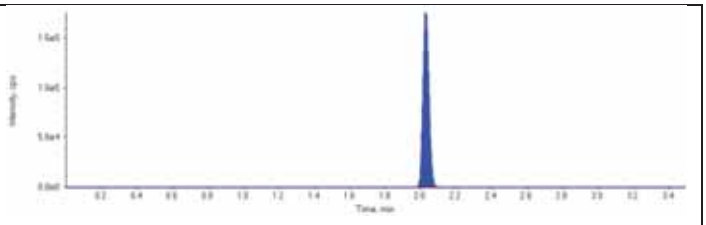
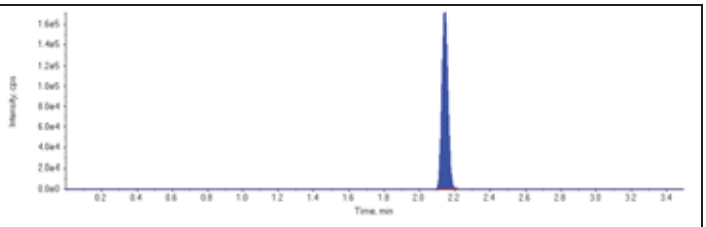
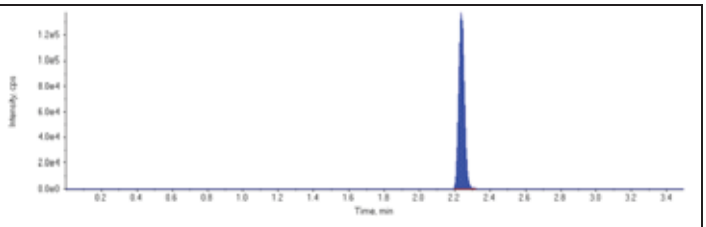
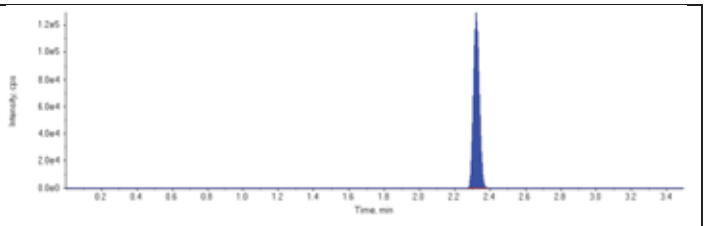
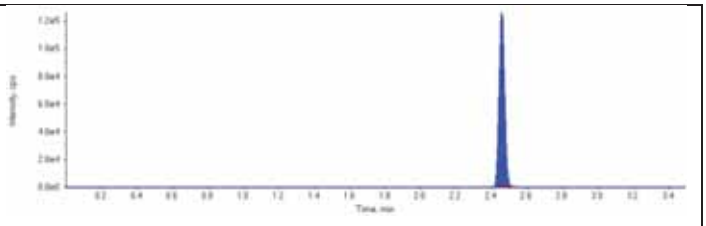
Area Ratio: 5.38

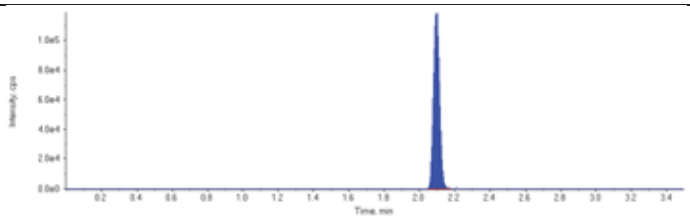
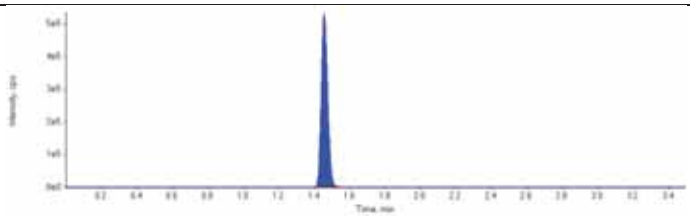
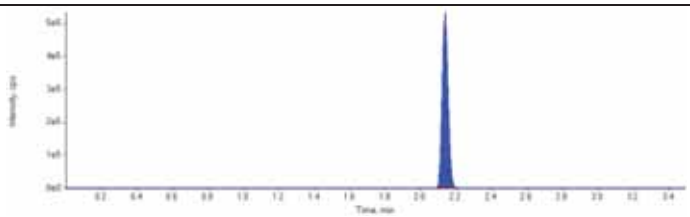
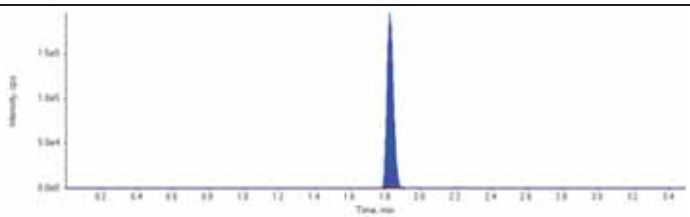
Sample Type: (Quality Control)



PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 11.4 µg/L Area Ratio: 3.93 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 11.7 µg/L Area Ratio: 4.25 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 10.9 µg/L Area Ratio: 4.54 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 14.0 µg/L Area Ratio: 4.91 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 12.9 µg/L Area Ratio: 4.57 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 11.7 µg/L Area Ratio: 4.82 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 10.6 µg/L Area Ratio: 2.83 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 12.1 µg/L Area Ratio: 5.31 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 96.0 µg/L Area Ratio: 0.338 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 112. µg/L Area Ratio: 0.125 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 102. µg/L Area Ratio: 0.391 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 102. µg/L Area Ratio: 0.307 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 110. µg/L Area Ratio: 0.155 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 102. µg/L Area Ratio: 0.314 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 103. µg/L Area Ratio: 0.334 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 104. µg/L Area Ratio: 0.244 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 109. µg/L Area Ratio: 0.236 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 102. µg/L Area Ratio: 0.229 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 105. µg/L Area Ratio: 0.209 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.45 (1.48) min Calculated Conc: 101. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 104. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 122. µg/L Area Ratio: 0.360 Sample Type: (Quality Control)	

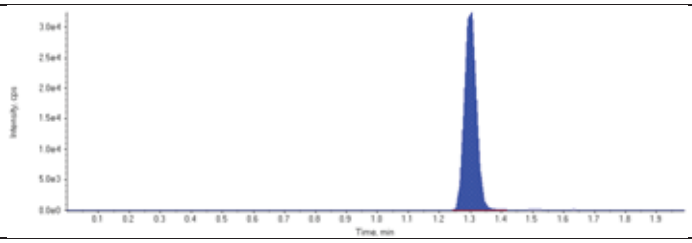
Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	37
Acquisition Date	2017/03/03 7:13:53 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170301\WS#4872075_FOSAA.wiff		
Result Table	PFC_Water_170301_4872075_Low_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	87500.	1.30	1.00	-
D5-EtFOSAA IS	86000.	1.33	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	477000	1.30	12.5	13.0	104.0
EtFOSAA 1	427000	1.33	12.5	12.2	98.0
13C9-PFDA	836000	0.973	100.	90.0	90.0

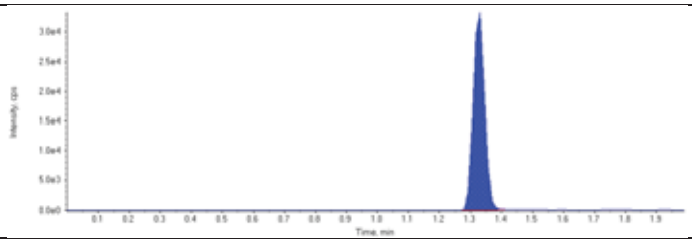
D3-MeFOSAA IS (Internal Standard)

RT (Exp. RT): 1.30(1.28) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



D5-EtFOSAA IS (Internal Standard)

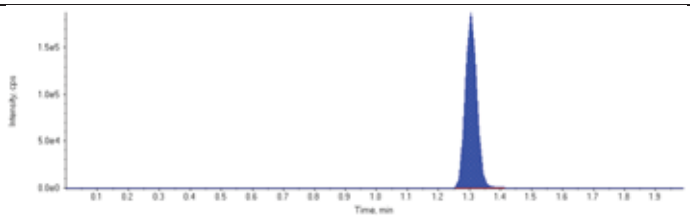
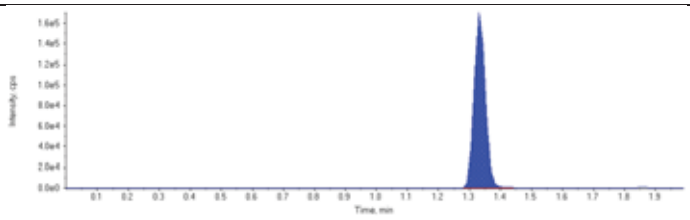
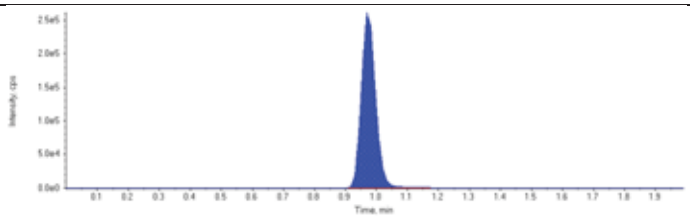
RT (Exp. RT): 1.33(1.31) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



N/A (Internal Standard)

RT (Exp. RT): N/A(N/A) min
Concentration: N/A N/A
Sample Type: (Quality Control)

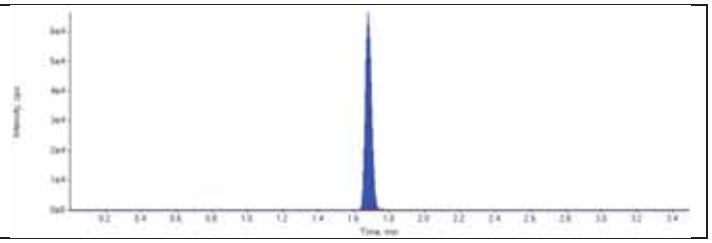
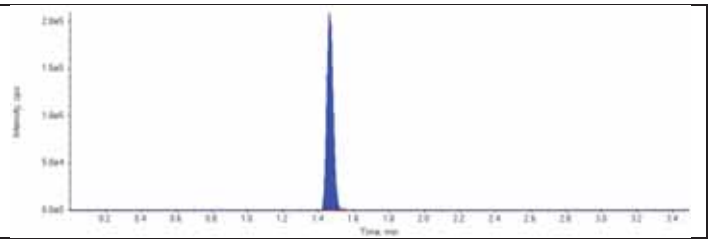
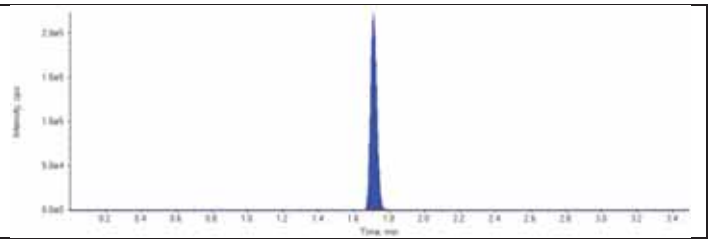
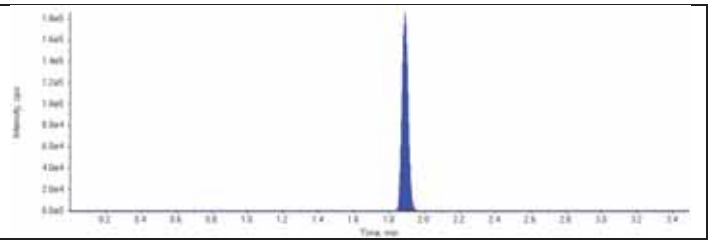
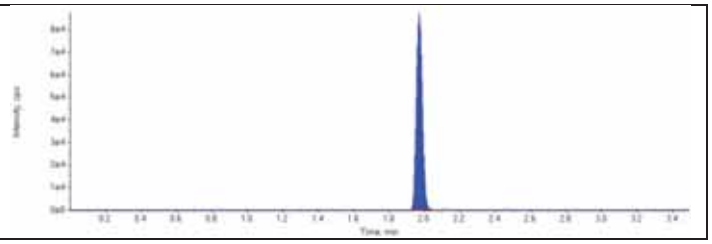
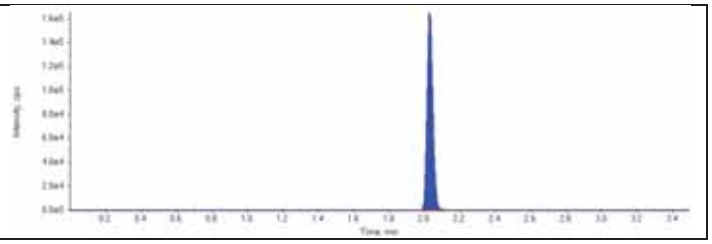
This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 1.30 (1.28) min Calculated Conc: 13.0 µg/L Area Ratio: 5.44 Sample Type: (Quality Control)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.33 (1.31) min Calculated Conc: 12.2 µg/L Area Ratio: 4.97 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.973 (0.855) min Calculated Conc: 90.0 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	

Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/03/09 11:02:53 AM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

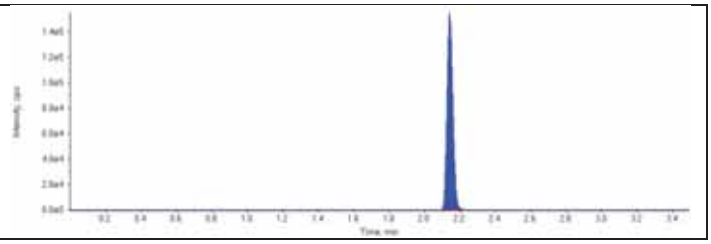
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	157000.	1.68	1.00	-
MPFHxA	510000.	1.46	1.00	-
MPFHpA	532000.	1.71	1.00	-
MPFOA	418000.	1.89	1.00	-
MPFOS	201000.	1.97	1.00	-
MPFNA	385000.	2.03	1.00	-
MPFDA	353000.	2.14	1.00	-
MPFUnA	222000.	2.24	1.00	-
MPFDoA	247000.	2.32	1.00	-
MPFTeDA	303000.	2.46	1.00	-
M2 6:2 FTS	448000.	1.83	1.00	-
M2 8:2 FTS	291000.	2.10	1.00	-
13C6-PFHxA IS	1320000.	1.46	1.00	-
13C9-PFDA IS	1110000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1830000	1.15	12.5	12.3	98.1
PFHxA 1	2370000	1.46	12.5	11.4	91.5
PFHxS 1	1440000	1.68	12.5	12.8	103.0
PFHpA 1	2390000	1.71	12.5	13.2	106.0
PFOA 1	1860000	1.89	12.5	12.2	97.9
PFOS 1	1100000	1.97	12.5	12.3	98.0
PFNA 1	1750000	2.03	12.5	13.2	105.0
PFDA 1	1610000	2.14	12.5	12.6	101.0
PFUnA 1	1240000	2.24	12.5	13.3	107.0
PFDoA 1	1210000	2.32	12.5	13.9	111.0
PFTrDA 1	1360000	2.39	12.5	12.6	101.0
PFTeDA 1	1530000	2.46	12.5	12.2	97.8
6:2-FTS 1	1490000	1.83	12.5	12.4	99.2
8:2-FTS 1	1680000	2.09	12.5	13.1	105.0
13C2-PFHxA	510000	1.46	100.	110.	110.0
18O2-PFHxS	157000	1.68	100.	107.	107.0
13C4-PFHpA	532000	1.71	100.	106.	106.0
13C4-PFOA	418000	1.89	100.	105.	105.0
13C4-PFOS	201000	1.97	100.	109.	109.0
13C5-PFNA	385000	2.03	100.	94.6	94.6
13C2-PFDA	353000	2.14	100.	98.3	98.3
13C2-PFUnA	222000	2.24	100.	85.7	85.7
13C2-PFDoA	247000	2.32	100.	103.	103.0
13C2-PFTeDA	303000	2.46	100.	122.	122.0
13C2-8:2 FTS	291000	2.10	100.	111.	111.0
13C6-PFHxA	1320000	1.46	100.	98.4	98.4
13C9-PFDA	1110000	2.14	100.	93.4	93.4
13C2-6:2-FTS	448000	1.83	100.	115.	115.0

MPFHxS (Internal Standard) RT (Exp. RT): 1.68(1.68) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHxA (Internal Standard) RT (Exp. RT): 1.46(1.49) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.71(1.69) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.89(1.88) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(1.97) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.03(2.02) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	

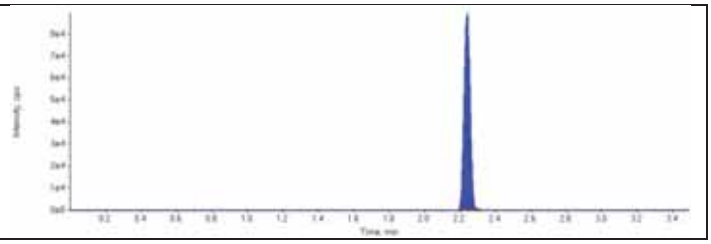
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



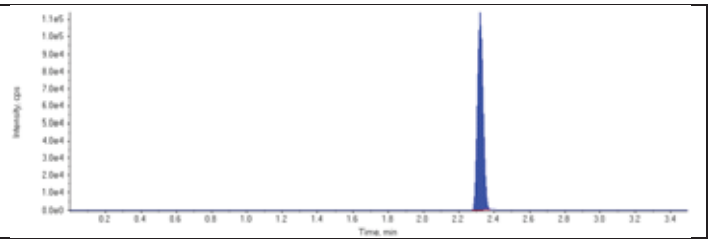
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



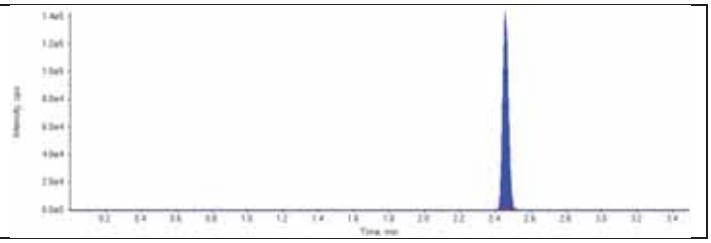
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



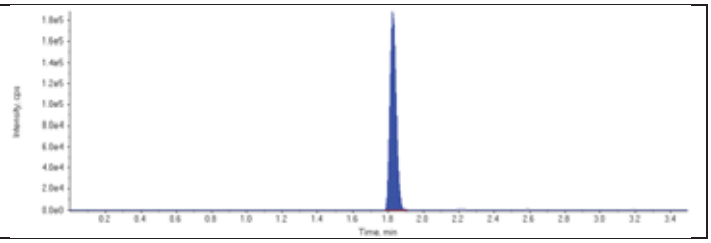
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



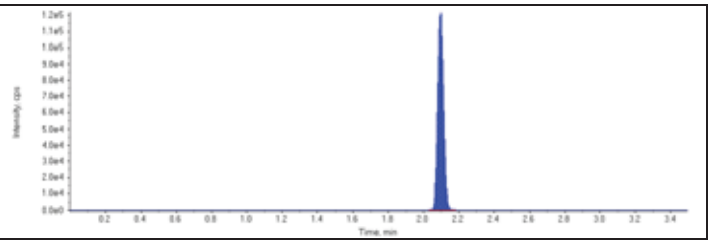
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



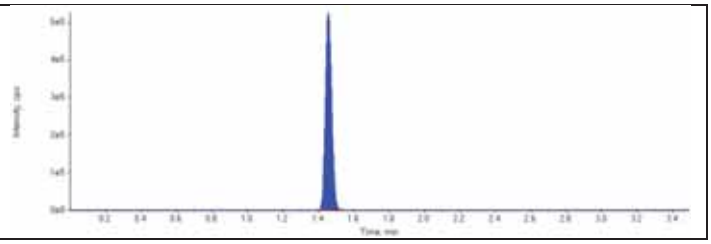
M2 8:2 FTS (Internal Standard)

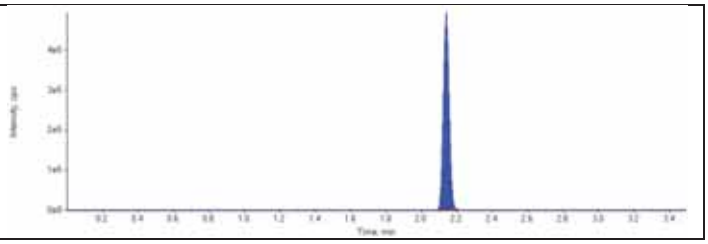
RT (Exp. RT): 2.10(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

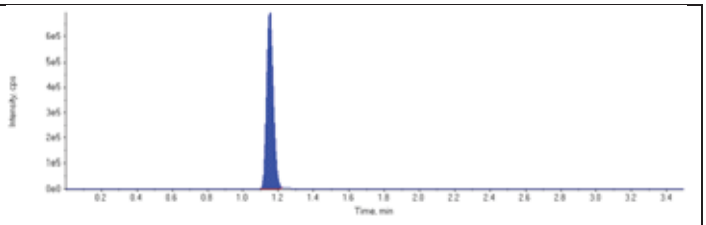
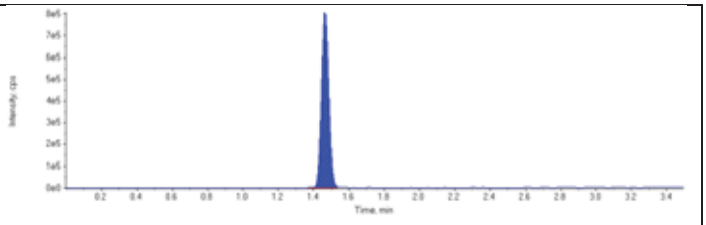
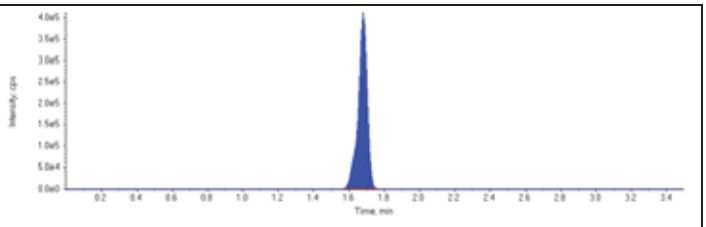
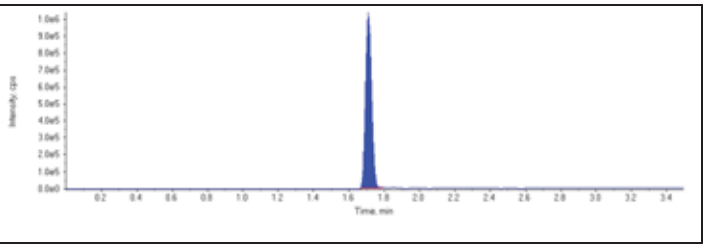
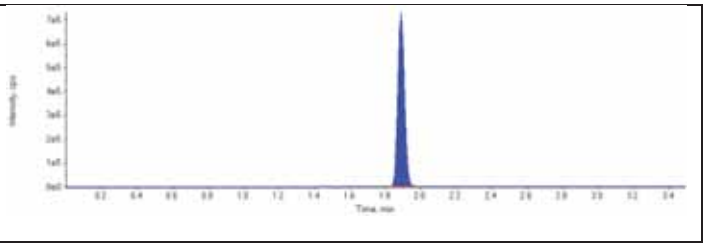
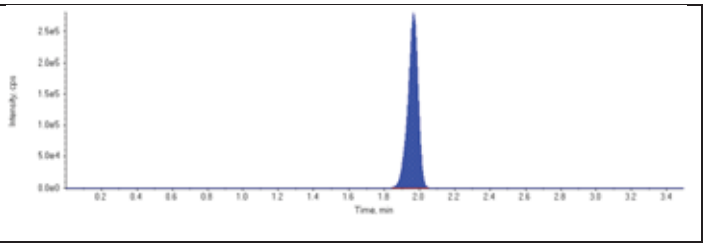


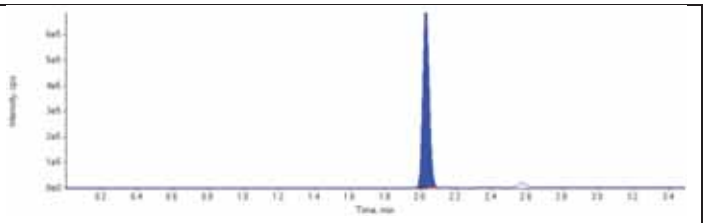
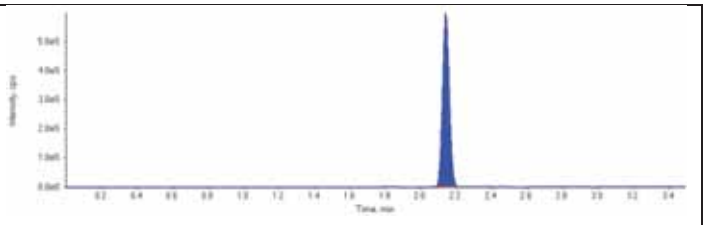
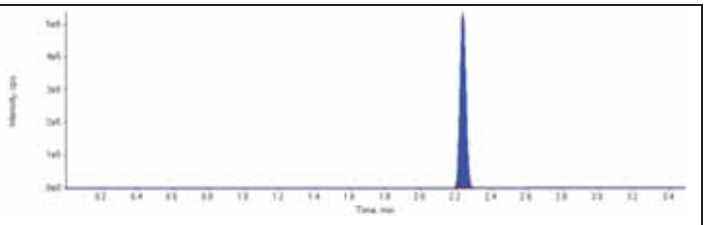
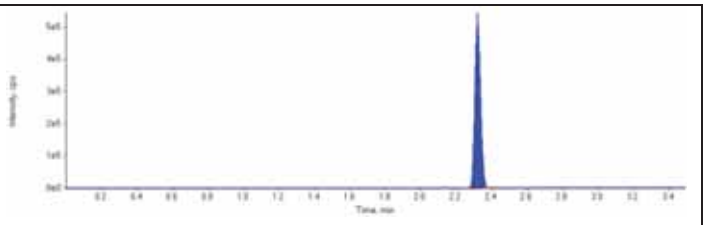
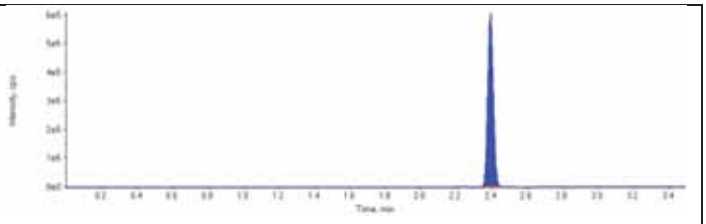
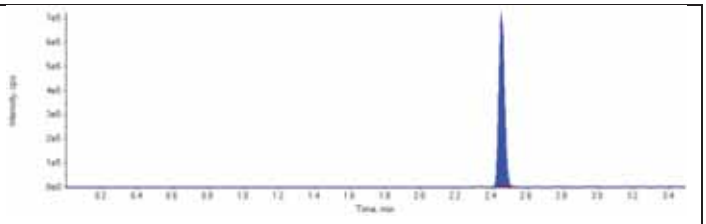
13C6-PFHxA IS (Internal Standard)

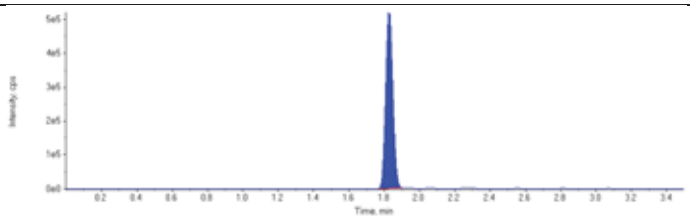
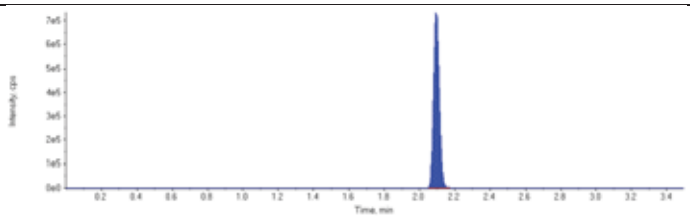
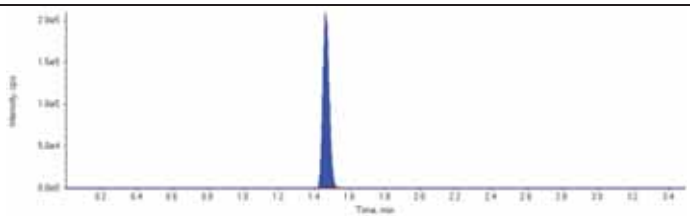
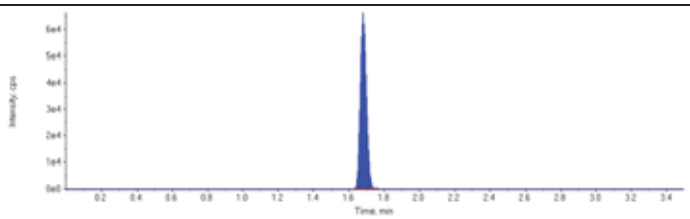
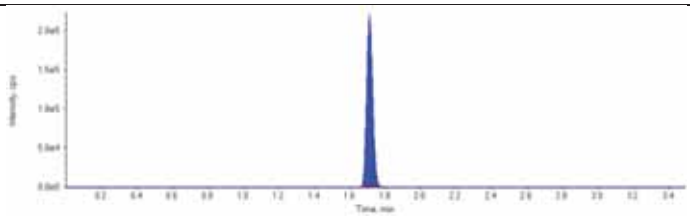
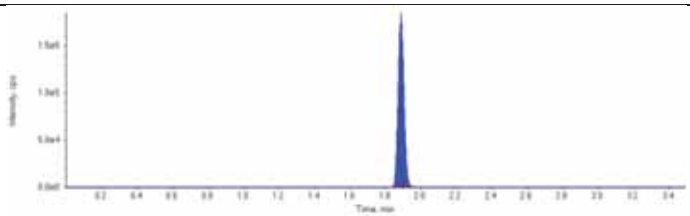
RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

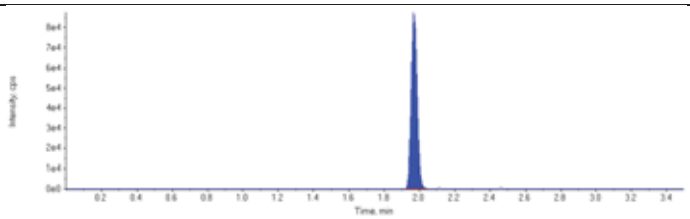
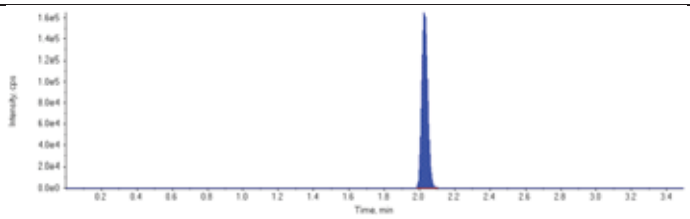
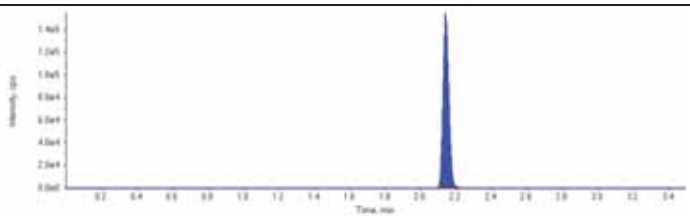
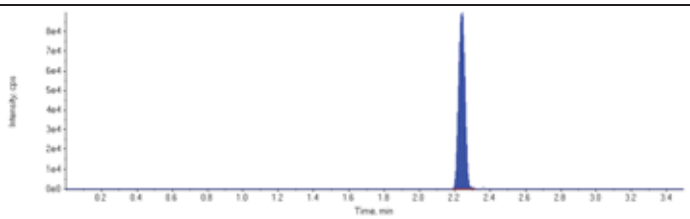
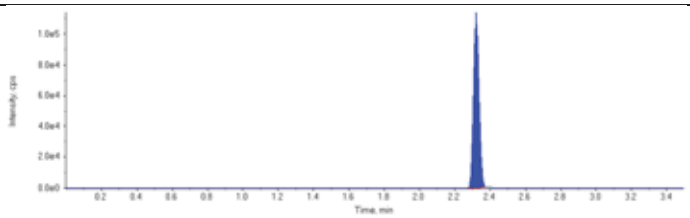
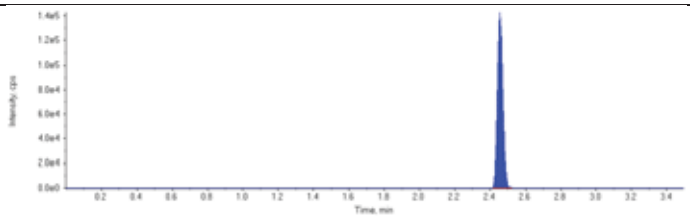


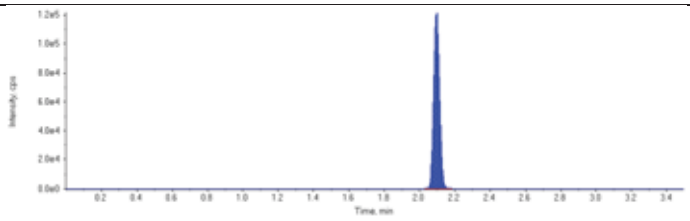
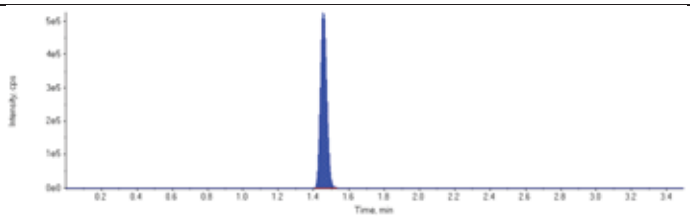
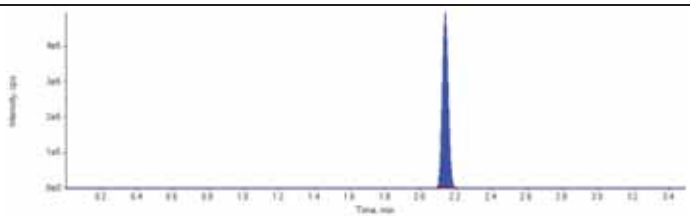
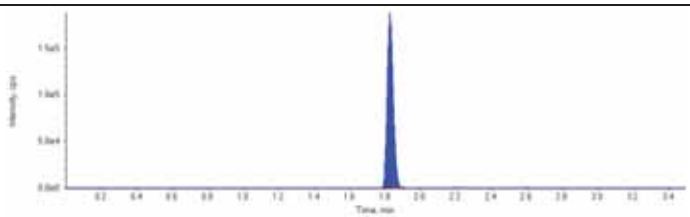
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 12.3 µg/L Area Ratio: 11.6 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 11.4 µg/L Area Ratio: 4.64 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 12.8 µg/L Area Ratio: 9.16 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 13.2 µg/L Area Ratio: 4.50 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 12.2 µg/L Area Ratio: 4.46 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 12.3 µg/L Area Ratio: 5.45 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 13.2 µg/L Area Ratio: 4.54 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 12.6 µg/L Area Ratio: 4.57 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 13.3 µg/L Area Ratio: 5.59 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 13.9 µg/L Area Ratio: 4.89 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 12.6 µg/L Area Ratio: 4.48 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 12.2 µg/L Area Ratio: 5.06 Sample Type: (Quality Control)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 12.4 µg/L Area Ratio: 3.32 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 13.1 µg/L Area Ratio: 5.77 Sample Type: (Quality Control)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.46 (1.49) min Calculated Conc: 110. µg/L Area Ratio: 0.387 Sample Type: (Quality Control)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 107. µg/L Area Ratio: 0.119 Sample Type: (Quality Control)	
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.71 (1.69) min Calculated Conc: 106. µg/L Area Ratio: 0.404 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 105. µg/L Area Ratio: 0.317 Sample Type: (Quality Control)	

13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 109. µg/L Area Ratio: 0.153 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 94.6 µg/L Area Ratio: 0.292 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 98.3 µg/L Area Ratio: 0.318 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 85.7 µg/L Area Ratio: 0.200 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 103. µg/L Area Ratio: 0.222 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 122. µg/L Area Ratio: 0.273 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.10 (2.10) min Calculated Conc: 111. µg/L Area Ratio: 0.221 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 98.4 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 93.4 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 115. µg/L Area Ratio: 0.341 Sample Type: (Quality Control)	

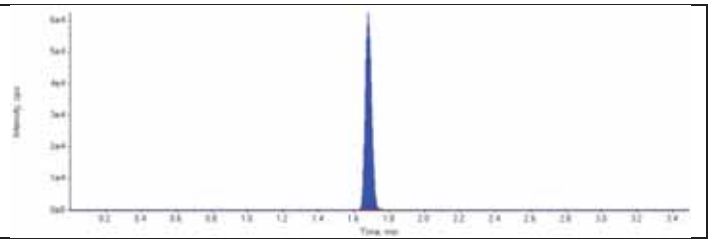
Sample ID	CCV	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	6
Acquisition Date	2017/03/09 12:26:51 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170308\WS#4872075.wiff		
Result Table	PFC_Water_170308_4872075_Low_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxS	149000.	1.68	1.00	-
MPFHxA	464000.	1.46	1.00	-
MPFHpA	569000.	1.71	1.00	-
MPFOA	418000.	1.89	1.00	-
MPFOS	217000.	1.97	1.00	-
MPFNA	427000.	2.03	1.00	-
MPFDA	396000.	2.14	1.00	-
MPFUnA	242000.	2.24	1.00	-
MPFDoA	297000.	2.32	1.00	-
MPFTeDA	282000.	2.46	1.00	-
M2 6:2 FTS	465000.	1.83	1.00	-
M2 8:2 FTS	307000.	2.09	1.00	-
13C6-PFHxA IS	1310000.	1.46	1.00	-
13C9-PFDA IS	1230000.	2.14	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	1820000	1.15	12.5	12.9	103.0
PFHxA 1	2350000	1.46	12.5	12.5	99.8
PFHxS 1	1370000	1.68	12.5	12.8	103.0
PFHpA 1	2480000	1.71	12.5	12.7	102.0
PFOA 1	1860000	1.89	12.5	12.2	97.6
PFOS 1	1120000	1.97	12.5	11.6	92.6
PFNA 1	1720000	2.03	12.5	11.6	93.1
PFDA 1	1930000	2.14	12.5	13.4	107.0
PFUnA 1	1210000	2.24	12.5	12.0	95.9
PFDoA 1	1410000	2.32	12.5	13.5	108.0
PFTrDA 1	1450000	2.39	12.5	14.5	116.0
PFTeDA 1	1200000	2.46	12.5	10.3	82.6
6:2-FTS 1	1520000	1.83	12.5	12.2	97.9
8:2-FTS 1	1610000	2.09	12.5	11.9	95.4
13C2-PFHxA	464000	1.46	100.	101.	101.0
18O2-PFHxS	149000	1.68	100.	102.	102.0
13C4-PFHpA	569000	1.71	100.	114.	114.0
13C4-PFOA	418000	1.89	100.	106.	106.0
13C4-PFOS	217000	1.97	100.	118.	118.0
13C5-PFNA	427000	2.03	100.	106.	106.0
13C2-PFDA	396000	2.14	100.	99.3	99.3
13C2-PFUnA	242000	2.24	100.	83.9	83.9
13C2-PFDoA	297000	2.32	100.	112.	112.0
13C2-PFTeDA	282000	2.46	100.	102.	102.0
13C2-8:2 FTS	307000	2.09	100.	118.	118.0
13C6-PFHxA	1310000	1.46	100.	97.8	97.8
13C9-PFDA	1230000	2.14	100.	104.	104.0
13C2-6:2-FTS	465000	1.83	100.	120.	120.0

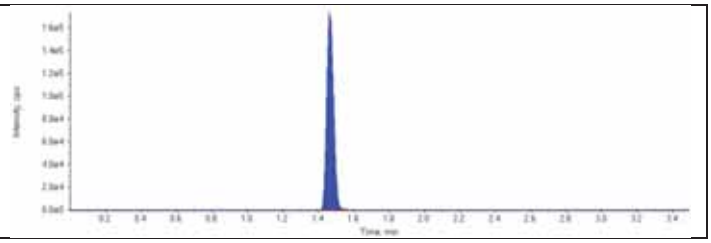
MPFHxS (Internal Standard)

RT (Exp. RT): 1.68(1.68) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



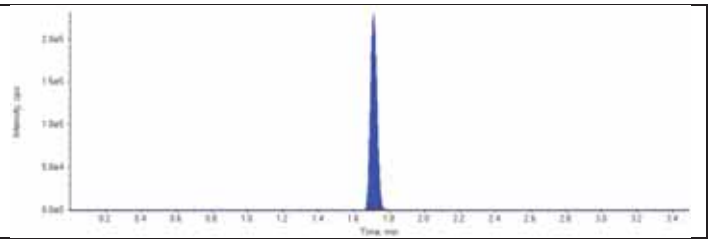
MPFHxA (Internal Standard)

RT (Exp. RT): 1.46(1.49) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



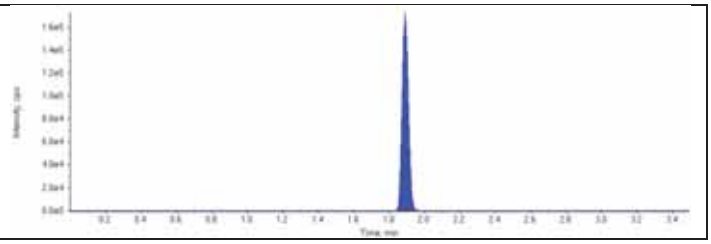
MPFHpA (Internal Standard)

RT (Exp. RT): 1.71(1.69) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



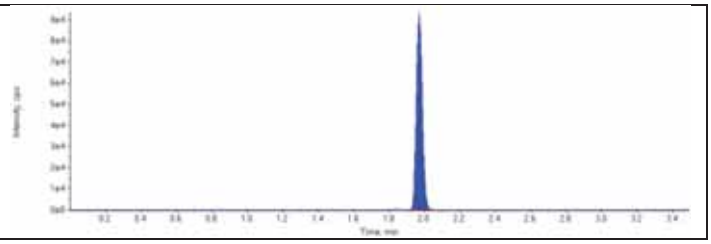
MPFOA (Internal Standard)

RT (Exp. RT): 1.89(1.88) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



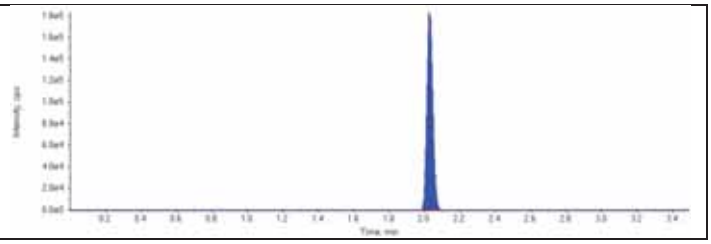
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(1.97) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



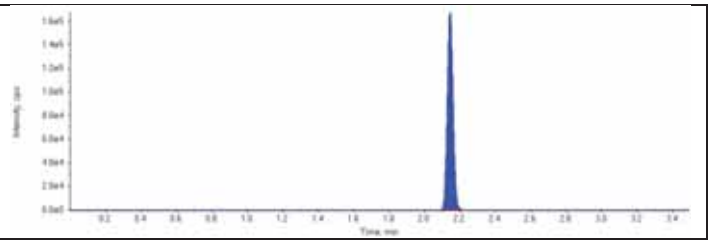
MPFNA (Internal Standard)

RT (Exp. RT): 2.03(2.02) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



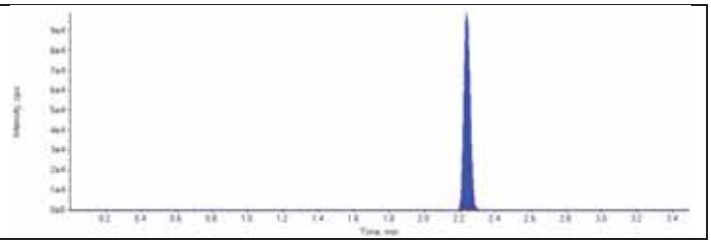
MPFDA (Internal Standard)

RT (Exp. RT): 2.14(2.14) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



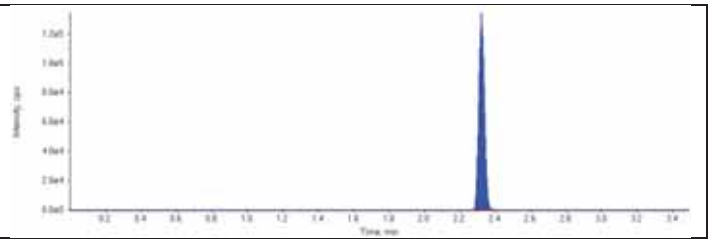
MPFUnA (Internal Standard)

RT (Exp. RT): 2.24(2.24) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



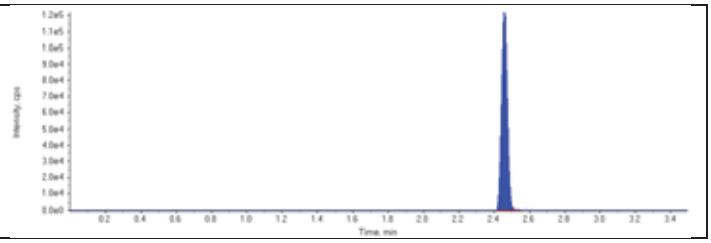
MPFDoA (Internal Standard)

RT (Exp. RT): 2.32(2.32) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



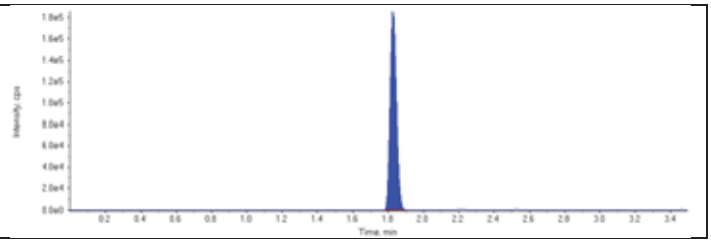
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.46(2.46) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



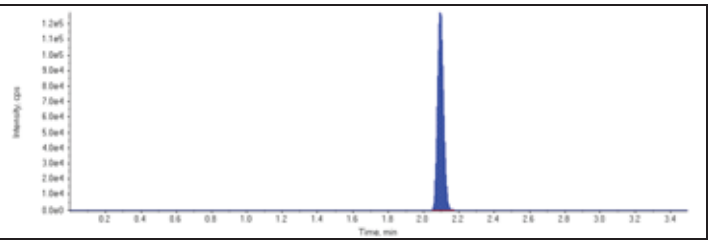
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.83(1.83) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



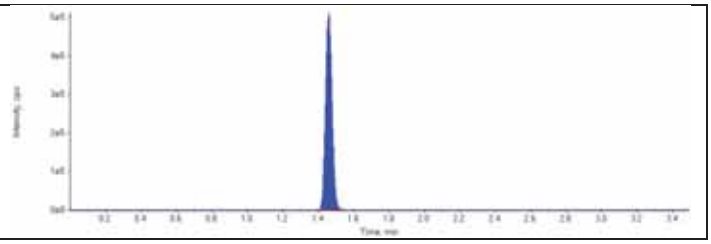
M2 8:2 FTS (Internal Standard)

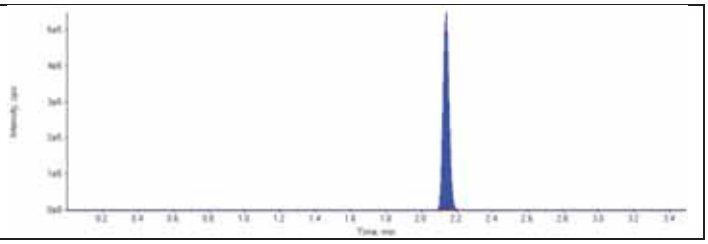
RT (Exp. RT): 2.09(2.10) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)

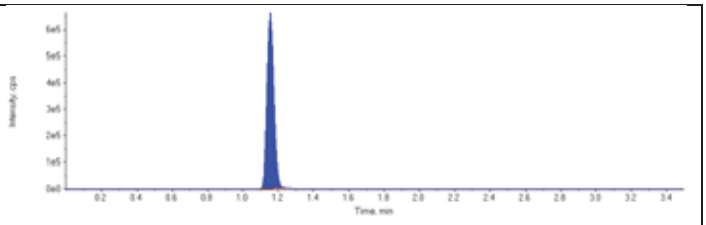
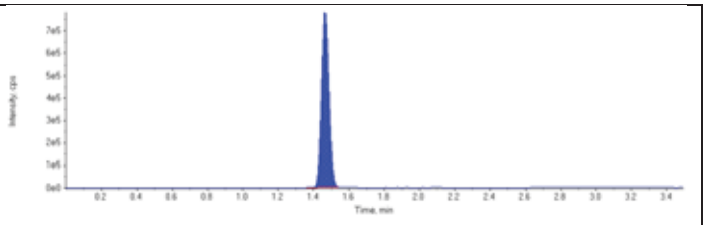
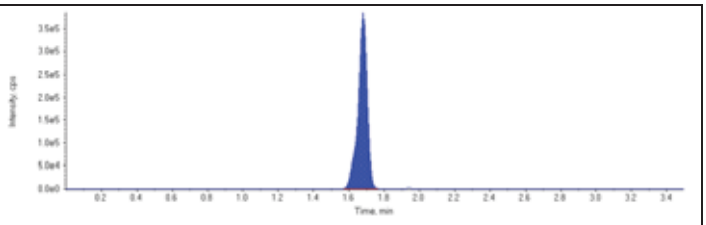
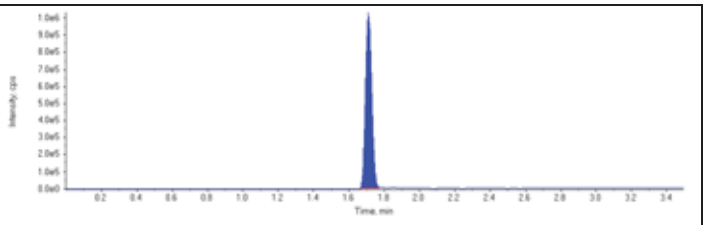
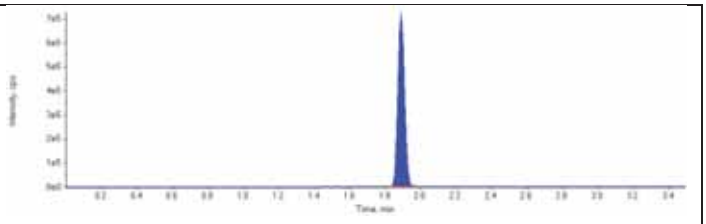
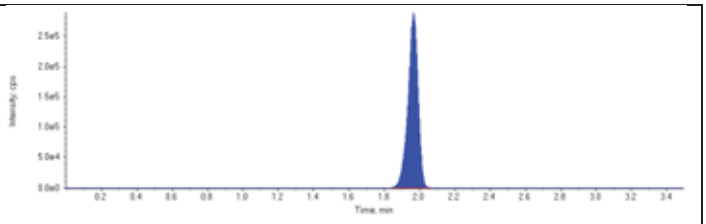


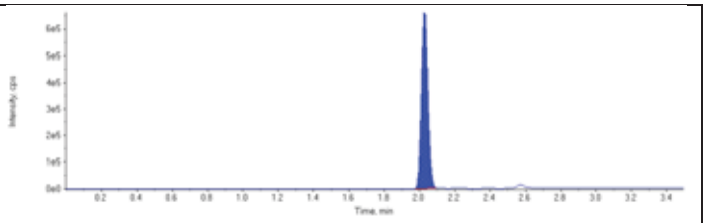
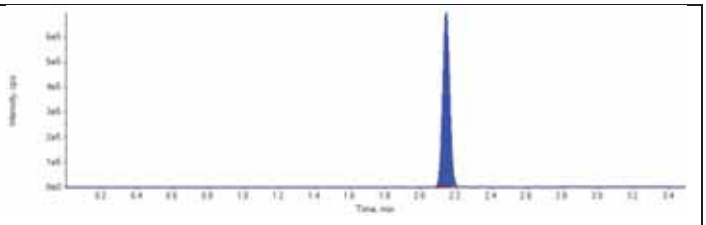
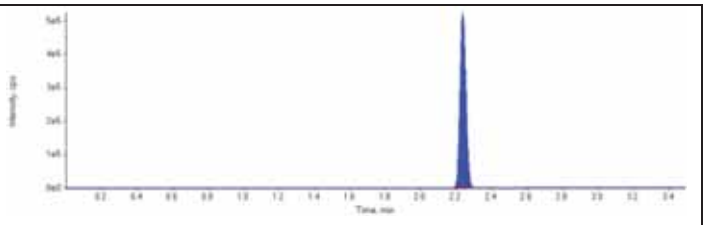
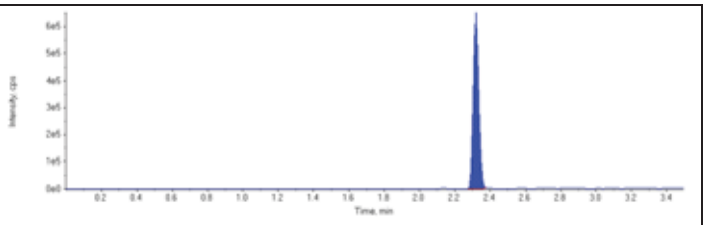
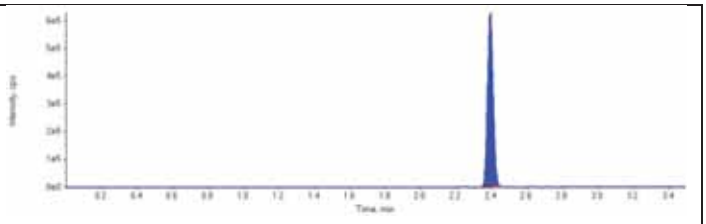
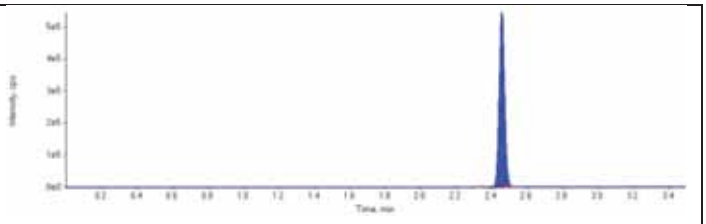
13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.46(1.48) min
Concentration: 1.00 ug/L
Sample Type: (Quality Control)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.14(2.13) min Concentration: 1.00 ug/L Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.15 (1.19) min Calculated Conc: 12.9 µg/L Area Ratio: 12.2 Sample Type: (Quality Control)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 12.5 µg/L Area Ratio: 5.06 Sample Type: (Quality Control)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 12.8 µg/L Area Ratio: 9.17 Sample Type: (Quality Control)	
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.71 (1.74) min Calculated Conc: 12.7 µg/L Area Ratio: 4.35 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.89 (1.88) min Calculated Conc: 12.2 µg/L Area Ratio: 4.45 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 11.6 µg/L Area Ratio: 5.15 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 11.6 µg/L Area Ratio: 4.02 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 13.4 µg/L Area Ratio: 4.87 Sample Type: (Quality Control)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 12.0 µg/L Area Ratio: 5.02 Sample Type: (Quality Control)	
PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 13.5 µg/L Area Ratio: 4.73 Sample Type: (Quality Control)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 2.39 (2.40) min Calculated Conc: 14.5 µg/L Area Ratio: 5.14 Sample Type: (Quality Control)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 10.3 µg/L Area Ratio: 4.26 Sample Type: (Quality Control)	

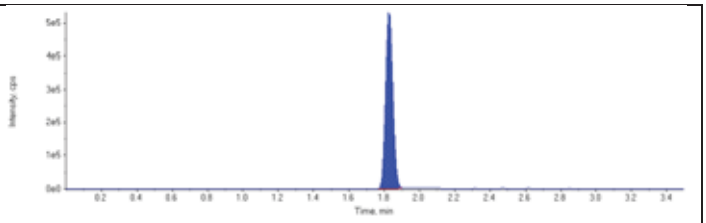
6:2-FTS 1 (427.000/407.000 Da)

RT (Exp. RT): 1.83 (1.83) min

Calculated Conc: 12.2 µg/L

Area Ratio: 3.28

Sample Type: (Quality Control)



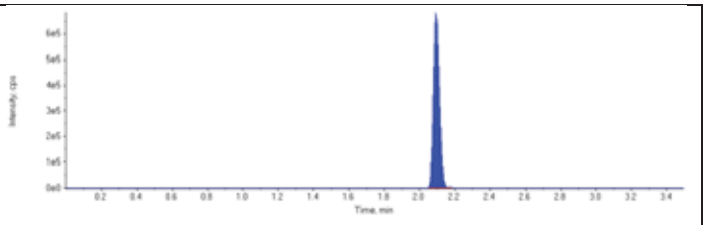
8:2-FTS 1 (526.900/507.000 Da)

RT (Exp. RT): 2.09 (2.10) min

Calculated Conc: 11.9 µg/L

Area Ratio: 5.24

Sample Type: (Quality Control)



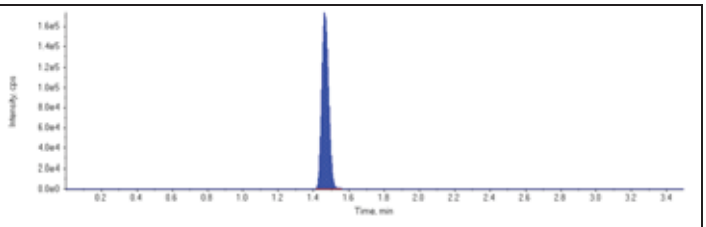
13C2-PFHxA (314.900/270.000 Da)

RT (Exp. RT): 1.46 (1.49) min

Calculated Conc: 101. µg/L

Area Ratio: 0.355

Sample Type: (Quality Control)



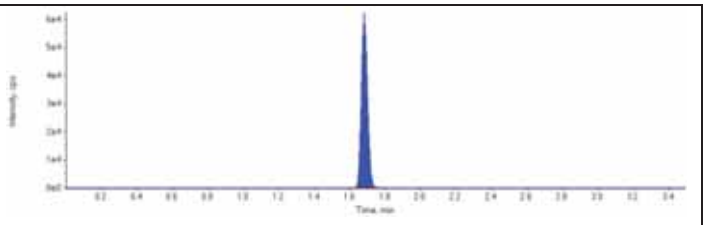
18O2-PFHxS (402.900/84.000 Da)

RT (Exp. RT): 1.68 (1.68) min

Calculated Conc: 102. µg/L

Area Ratio: 0.114

Sample Type: (Quality Control)



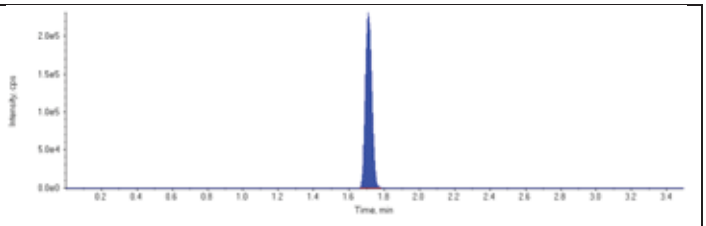
13C4-PFHpA (366.900/322.000 Da)

RT (Exp. RT): 1.71 (1.69) min

Calculated Conc: 114. µg/L

Area Ratio: 0.435

Sample Type: (Quality Control)



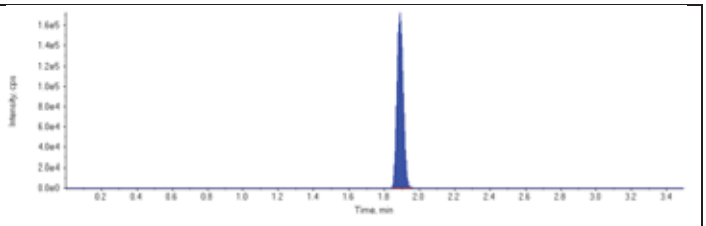
13C4-PFOA (416.900/372.000 Da)

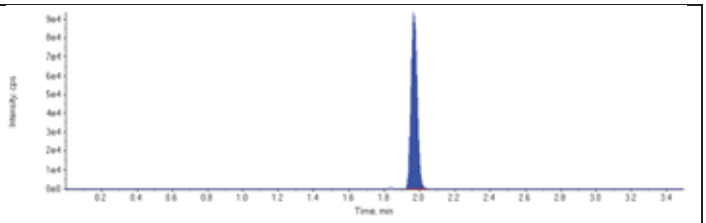
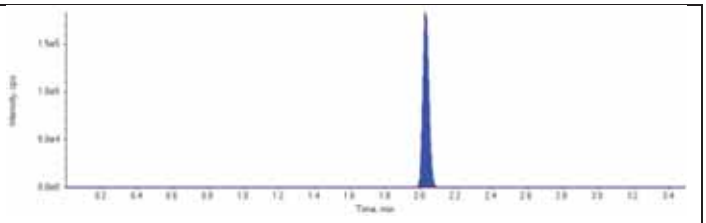
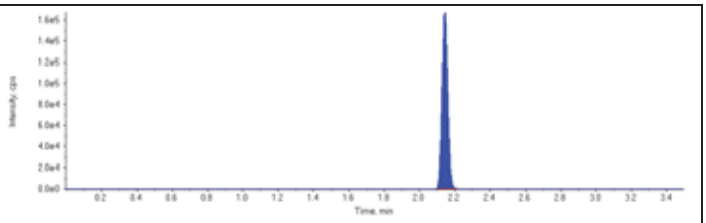
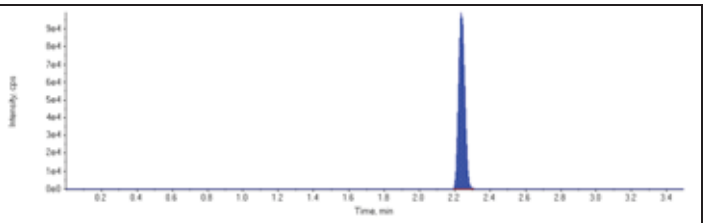
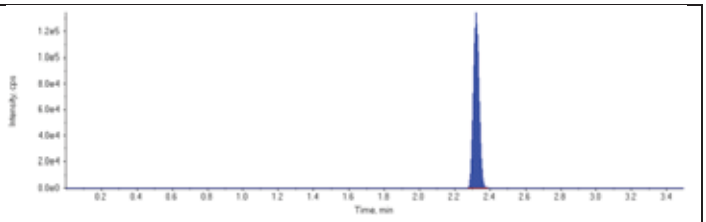
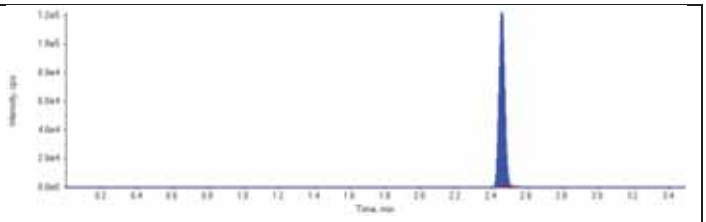
RT (Exp. RT): 1.89 (1.88) min

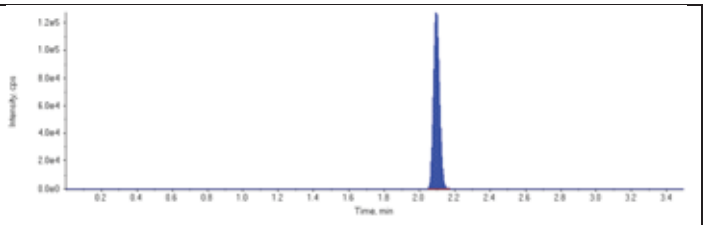
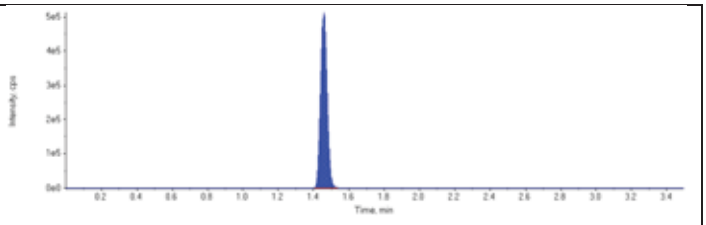
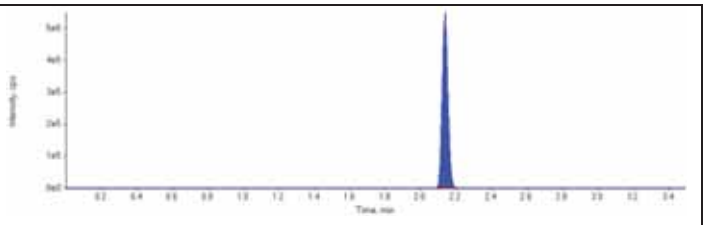
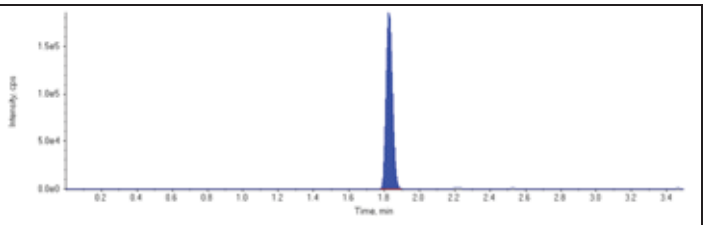
Calculated Conc: 106. µg/L

Area Ratio: 0.320

Sample Type: (Quality Control)



13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 118. µg/L Area Ratio: 0.166 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.03 (2.02) min Calculated Conc: 106. µg/L Area Ratio: 0.326 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.14 (2.14) min Calculated Conc: 99.3 µg/L Area Ratio: 0.321 Sample Type: (Quality Control)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.24 (2.24) min Calculated Conc: 83.9 µg/L Area Ratio: 0.196 Sample Type: (Quality Control)	
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.32 (2.32) min Calculated Conc: 112. µg/L Area Ratio: 0.241 Sample Type: (Quality Control)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.46 (2.46) min Calculated Conc: 102. µg/L Area Ratio: 0.229 Sample Type: (Quality Control)	

13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.10) min Calculated Conc: 118. µg/L Area Ratio: 0.235 Sample Type: (Quality Control)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.46 (1.48) min Calculated Conc: 97.8 µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.14 (2.13) min Calculated Conc: 104. µg/L Area Ratio: 0.00 Sample Type: (Quality Control)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.83 (1.83) min Calculated Conc: 120. µg/L Area Ratio: 0.355 Sample Type: (Quality Control)	



This is the last page of the report and is intentionally left blank

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



Prepared for: CT Laboratories LLC

Project: 775303101
FAIRCHILD AFB

Analytical Data Package
(Level IV)

Analysis: PFOS and PFOA in water (Method 537 mod.)

Maxxam Job #: B797259

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



Table of Contents

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Table of Contents

Certification Page

1. Project Narrative

2. Sample Management Records

    2.1 Sample Custody

3. Analytical Results

    3.1 Summary Report

    3.2 Sample Chromatograms

4. QA/QC Data

5. Initial Calibration

6. Continuing Calibration

Last Page

I hereby certify that to the best of my knowledge all analytical data presented in this report:

- Has been checked for completeness.
- Is accurate, legible and error free.
- Has been conducted in accordance with approved SOP's and that all deviations are clearly listed in the Case Narrative.
- This report has been generated in .pdf format.

Review Performed By:



Stephanie Pollen 2017.07.28 10:35:36 -04'00'

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Glossary of Terms

- *Detection Limit (DL)* this can also be called *Method Detection Limit (MDL*): The lowest concentration or amount of the target analyte that can be identified, measured, and reported with confidence that the analyte concentration is not a false positive value. (Clarification): The smallest analyte concentration that can be demonstrated to be different from zero or a blank concentration at the 99% level of confidence. At the DL, the false positive rate (Type I error) is 1%.

- *Limit of Detection (LOD***)**: An estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. (Clarification): The smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

- *Limits of Quantitation (LOQ)* this can also be called *Reporting Detection Limit (RDL)*: The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. (Clarification): The lowest concentration that produces a quantitative result within specified limits of precision and bias. For DoD projects, the LOQ shall be set at or above the concentration of the lowest initial calibration standard.

- *Acceptance Criteria* are values used by the laboratory to determine that a process is in control.

- *Accuracy* is the degree of agreement of a measured value with the true or expected value.

- *Calibration Standards* are a set of solutions containing the analytes of interest at a specified concentration.

- *Calibration Verification Standard* consists of a calibration standard solution of intermediate concentration (mid-point initial calibration level) used to access whether the initial calibration is still valid

- *Certified Reference Material* is a stable homogenous material that is certified by repetitive analysis from a supplier who is certified to generate said materials.

- *Internal Standard* a deuterated or ^{13}C-labelled analyte that is added to a sample extract prior to instrumental analysis to compensate for injection variability.
- *Isomer* is a member of a group of compounds that differ from each other only in the locations of a specific number of common substituent atoms or groups of atoms on the parent compound.
- *Method Blank* is a laboratory control sample using reagents that are known to be free of contamination.
- *Precision* is the degree of agreement between the data generated from repetitive measurements under specific conditions.
- *Quality Assurance* is a system of activities whose purpose is to provide the producer or user of a product with the assurance that the product meets a defined standard of quality.
- *Quality Control* is the overall system of activities whose purpose is to control the quality of a product so that it meets the needs of the end user.
- *RSD* is the relative standard deviation.
- *Blank Spike* is a laboratory control sample that has been fortified with native analytes of interest.
- *Window Defining Mixture* is a solution containing only the earliest and latest eluting congeners within each homologous group of target analytes on a specified GC column.
- *RPD* or Relative Percent Difference. A measure used to compare duplicate sample analysis.
- *EMPC/NDR* – Peak detected does not meet ratio criteria and has resulted in a higher detection limit.



1.0 Project Narrative

Maxxam Analytics International
6740 Campobello Rd.
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Maxxam Job: B797259 – Soil Analysis

Sample Analysis

Soil samples were initially pre-screened and estimated concentrations were obtained so that samples could be appropriately diluted for quantitative analysis on QC batches 4990811 (2017/05/24) and 4994375 (2017/05/30). Due to high concentrations, dilutions were required for selected analytes in the following samples:

EJI397	*FRCHD04-SO-001*	*Perfluorooctanesulfonate (PFOS)*
EJI406	*FRCHD02-SO-003*	*Perfluorooctanesulfonate (PFOS)*
EJI407	*FRCHD02-SO-004*	*Perfluorooctanesulfonate (PFOS)*
EJI415	*FRCHD05-SO-004*	*Perfluorohexanesulfonate (PFHxS), Perfluorooctanesulfonate (PFOS), 8:2 Fluorotelomersulfonate (8:2FTS)*
EJI419	*FRCHD01-SO-004*	*Perfluorohexanesulfonate (PFHxS), Perfluorooctanesulfonate (PFOS), 8:2 Fluorotelomersulfonate (8:2FTS)*
EJI423	*FRCHD05-SO-002*	*Perfluorooctanesulfonate (PFOS)*
EJI425	*FRCHD-FD-SO-03*	*Perfluorooctanesulfonate (PFOS)*
EJI431	*FRCHD03-SO-006*	*Perfluorooctanesulfonate (PFOS)*

Detection limits were adjusted accordingly for these analytes.

High concentrations of target analytes were detected in several samples during pre-screening. These samples were diluted prior to analysis, with additional dilutions for the following analytes:

EJI401	*FRCHD05-SO-001*	*Perfluorooctanesulfonate (PFOS), 8:2 Fluorotelomersulfonate (8:2FTS)*
EJI402	*FRCHD05-SO-003*	*Perfluorooctanesulfonate (PFOS)*
EJI404	*FRCHD-FD-SO-01*	*Perfluorooctanesulfonate (PFOS), 8:2 Fluorotelomersulfonate (8:2FTS)*
EJI416	*FRCHD01-SO-001*	*Perfluorohexanesulfonate (PFHxS), Perfluorooctanesulfonate (PFOS), 6:2 Fluorotelomersulfonate (6:2FTS)*
EJI417	*FRCHD01-SO-002*	*6:2 Fluorotelomersulfonate (6:2FTS)*

Detection limits were adjusted accordingly for these samples.

The extracted internal standard analytes $^{13}C_4$-Perfluoroheptanoic acid ($^{13}C_4$-PFHpA), $^{13}C_4$-Perfluorooctanoic acid ($^{13}C_4$-PFOA), $^{13}C_4$-Perfluorooctanesulfonate ($^{13}C_4$-PFOS), $^{13}C_5$-Perfluorononanoic acid ($^{13}C_5$-PFNA), $^{13}C_2$-Perfluorodecanoic acid ($^{13}C_2$-PFDA) and $^{13}C_2$-8:2 Fluorotelomersulfonate ($^{13}C_2$-8:2FTS) are used to quantify native Perfluoroheptanoic acid (PFHpA), Perfluorooctanoic acid (PFOA), Perfluorooctanesulfonate (PFOS), Perfluorononanoic acid (PFNA), Perfluorodecanoic acid (PFDA) and 8:2 Fluorotelomersulfonate (8:2FTS) respectively. The recoveries observed for selected extracted internal standard analytes were above the defined upper control limit (UCL) for the following samples on QC batch 4990811 (2017/05/24):

EJI413	*FRCHD-FD-SO-02*	*($^{13}C_4$-PFHpA, $^{13}C_4$-PFOA, $^{13}C_4$-PFOS, $^{13}C_5$-PFNA, $^{13}C_2$-PFDA, $^{13}C_2$-8:2FTS)*
EJI428	*FRCHD04-SO-004*	*($^{13}C_4$-PFOA)*

These samples were re-extracted and re-analyzed on QC batch 5023570 (2017/06/13). Additional 10x dilutions were analyzed for these samples but data from these dilutions were not used as final results were reported from the undiluted extracts. Samples were re-analyzed for these analytes past the method defined hold time. Because of their chemical structures, per- and polyfluorinated alkyl substances (PFAS) are chemically and biologically stable in the environment and resist typical environmental degradation processes. This would suggest the hold time exceedance would not have a significant impact on the data quality.

Data was evaluated in accordance with acceptance criteria specified in DoD QSM 5.1.

Sin Chii Chia, B.Sc.
schia@maxxam.ca
Office 905 817 5700

Maxxam Job: B797259 – Water Analysis

Sample Analysis

Water samples were initially pre-screened and estimated concentrations were obtained so that appropriate sample volumes could be extracted on QC batch 4988945 (2017/05/23). Due to high concentrations, reduced sample volumes were extracted for the following samples:

EJI394 *FRCHD03-GW-001*
EJI400 *FRCHD05-GW-002*
EJI408 *FRCHD03-GW-002*
EJI412 *FRCHD-FD-GW-01*
EJI420 *FRCHD02-GW-001*
EJI426 *FRCHD05-GW-001*
EJI430 *FRCHD04-GW-001*

Detection limits were adjusted accordingly for these samples.

Due to high concentration of Perfluorooctanoic acid (PFOA), an additional extract was also analyzed for the following sample with reduced extraction volume:

EJI409 *FRCHD03-GW-003*

Detection limit was adjusted accordingly for this analyte.

Data was evaluated in accordance with acceptance criteria specified in DoD QSM 5.1.

QC Samples

Matrix Spike / Matrix Spike Duplicate (MS/MSD) was required for the following sample:

EJI400 *FRCHD05-GW-002*

Due to high concentrations of target analytes in this sample, a Matrix Duplicate (MD) analyzed instead. Both the sample and MD were extracted with reduced sample extraction volumes. RPD of the sample/MD was above the defined upper control limit for 6:2 Fluorotelomersulfonate (6:2FTS). This is likely a result of variability introduced by additional handling of the sample and MD due to low volume extraction.

Sin Chii Chia, B.Sc.
schia@maxxam.ca
Office 905 817 5700

PROJECT NARRATIVE

Maxxam Analytics
Client Project #: 775303101

Client: CT Laboratories LLC
Client Project: 775303101

I. SAMPLE RECEIPT/ANALYSIS

a) Sample Listing

Maxxam ID	Client Sample ID	Date Sampled	Date Received	Date Prepped	Date Run	Initial Calibration
PFOS and PFOA in soil by SPE/LCMS						
EJI395	FRCHD03-SO-003	2017/05/08	2017/05/12	2017/05/23	2017/05/30	2017/05/30
EJI396	FRCHD03-SO-005	2017/05/08	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI397	FRCHD04-SO-001	2017/05/08	2017/05/12	2017/05/23	2017/05/30	2017/05/30
EJI398	FRCHD04-SO-003	2017/05/08	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI399	FRCHD04-SO-005	2017/05/08	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI401	FRCHD05-SO-001	2017/05/08	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI402	FRCHD05-SO-003	2017/05/08	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI404	FRCHD-FD-SO-01	2017/05/11	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI405	FRCHD02-SO-001	2017/05/09	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI406	FRCHD02-SO-003	2017/05/09	2017/05/12	2017/05/23	2017/05/30	2017/05/30
EJI407	FRCHD02-SO-004	2017/05/10	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI413	FRCHD-FD-SO-02	2017/05/09	2017/05/12	2017/05/19	2017/05/24	2017/05/24 & 2017/06/13
EJI414	FRCHD03-SO-002	2017/05/11	2017/05/12	2017/05/23	2017/05/30	2017/05/30
EJI415	FRCHD05-SO-004	2017/05/11	2017/05/12	2017/05/23	2017/05/30	2017/05/30
EJI416	FRCHD01-SO-001	2017/05/10	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI417	FRCHD01-SO-002	2017/05/10	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI418	FRCHD01-SO-003	2017/05/10	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI419	FRCHD01-SO-004	2017/05/10	2017/05/12	2017/05/23	2017/05/30	2017/05/30
EJI421	FRCHD02-SO-002	2017/05/10	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI423	FRCHD05-SO-002	2017/05/11	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI424	FRCHD03-SO-004	2017/05/11	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI425	FRCHD-FD-SO-03	2017/05/11	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI428	FRCHD04-SO-004	2017/05/11	2017/05/12	2017/05/19	2017/05/24	2017/05/24 & 2017/06/13
EJI429	FRCHD04-SO-002	2017/05/11	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI431	FRCHD03-SO-006	2017/05/11	2017/05/12	2017/05/19	2017/05/24	2017/05/24
EJI433	FRCHD03-SO-001	2017/05/11	2017/05/12	2017/05/19	2017/05/24	2017/05/24
PFOS and PFOA in water by SPE/LCMS						
EJI394	FRCHD03-GW-001	2017/05/08	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI400	FRCHD05-GW-002	2017/05/08	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI400 Dup	FRCHD05-GW-002	2017/05/08	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI403	FRCHD-EB01	2017/05/08	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI408	FRCHD03-GW-002	2017/05/09	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI409	FRCHD03-GW-003	2017/05/09	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI410	FRCHD03-GW-004	2017/05/09	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI411	FRCHD-FB03	2017/05/09	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI412	FRCHD-FD-GW-01	2017/05/08	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI420	FRCHD02-GW-001	2017/05/10	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI422	FRCHD04-GW-003	2017/05/10	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI426	FRCHD05-GW-001	2017/05/11	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI427	FRCHD-FB-02	2017/05/11	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI430	FRCHD04-GW-001	2017/05/11	2017/05/12	2017/05/18	2017/05/23	2017/05/23
EJI432	FRCHD-EB-02	2017/05/11	2017/05/12	2017/05/18	2017/05/23	2017/05/23

Run Date is defined as the date of injection of the last calibration standard (12 hours or less) prior to the samples analyzed within that run sequence. Therefore the time of calibration injection that defines the run date is always within 12 hours of the time of sample injection.

b) Shipping Problems: none encountered

c) Documentation Problems: Client requested MS/MSD was not completed on sample "FRCHD04-SO-001" Proceeded without this QC with client's consent. Level IV revised to include raw data for EJI401, EJI402 and EJI404 from 1000x dilution run for PFOS.

II. SAMPLE PREP:

No problems encountered

III. SAMPLE ANALYSIS:

See also comments within the appropriate Certificate of Analysis

a) Hold Times: Sample "FRCHD-FD-SO-02" and "FRCHD04-SO-004" were analyzed for PFHpA, PFOA, PFOS, PFNA, PFDA and 8:2FTS past the recommended hold time.

b) Instrument Calibration: all within control limits

c) Quality Control: All applicable QC meets control criteria, except where otherwise noted.

d) All analytes requiring manual intergration(s) are noted on the sample chromatograms

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for other than the conditions detailed above.

In addition, I certify, that to the best of my knowledge and belief, the data as reported are true and accurate. Release of the data contained in this data package has been authorized by the cognizant laboratory official or his/her designee, as verified by this signature.

Steph Fuller

Project Manager- Site Assessment and Remediation/Ultra Trace

2017/07/28

Date



2. Sample Management Records

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



2.1 Sample Custody

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

AIR

International Solid Sample
Heat Treat Required
High Risk material
Controlled Storage and Disposal

amec foster wheeler

Amec Foster Wheeler Environment & Infrastructure
7376 SW Durham Road
Portland, OR 97224
(503) 639-3400

SHIP TO:
MAXXAM
299 Cayuga Rd
Cheektowaga, NY 14225
Attn: Melissa DiGrazia
Lab Phone: 800-563-6266

DATE: 5/10/2017
COC #: FRCHD170510A
PAGE: 1 OF 4

Project Name:	Fairchild AFB	Project Contact:	Joe Fasso	Bill To: Amec Foster Wheeler Environment & Infrastructure, Inc.	Disposal Instructions:
Project Number:	7753031 01	Phone Number:	(503) 639-3400		Shipment Method: FEDEX
Project Manager:	Melissa Hefton	Project Phase:	.0012.0300		Waybill Number: N/A

No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	537 + FTS	24 Hour	48 Hour	72 Hour	5 Days	TOTAL BOTTLES	HOLD All Analytes
1	FRCHD03-GW-001	05/08/17 10:40	WG	N	N	X					1	
2	FRCHD03-SO-003	05/08/17 10:00	SO	N	N	X					1	
3	FRCHD03-SO-005	05/08/17 13:08	SO	N	N	X					1	
4	FRCHD04-SO-001	05/08/17 14:18	SO	N	Y	X					3	
5	FRCHD04-SO-003	05/08/17 14:30	SO	N	N	X					1	
6	FRCHD04-SO-005	05/08/17 14:40	SO	N	N	X					1	
7	FRCHD05-GW-002	05/08/17 12:15	WG	N	Y	X					3	
8	FRCHD05-SO-001	05/08/17 12:40	SO	N	N	X					1	
9	FRCHD05-SO-003	05/08/17 12:55	SO	N	N	X					1	
10	FRCHD-EB01	05/08/17 15:30	WQ	EB	N	X					1	
11	FRCHD-FD-SO-01	05/08/17 [redacted]	SO	FD	N	X					1	
12												

Methods for Analysis

12-May-17 15:26
Melissa DiGrazia
B797259
HGR ENV-595

RUSH

Sampler's Signature:		Date: 5/11/17	Time: 1400
Relinquished By/Affiliation:		Date: 5/11/17	Time: 1700
Received By:		Date: 5/12/17	Time: 14:36
Relinquished By/Affiliation:		Date:	Time:
Received By:		Date:	Time:
Relinquished By/Affiliation:		Date:	Time:
Received By (LAB):		Date:	Time:

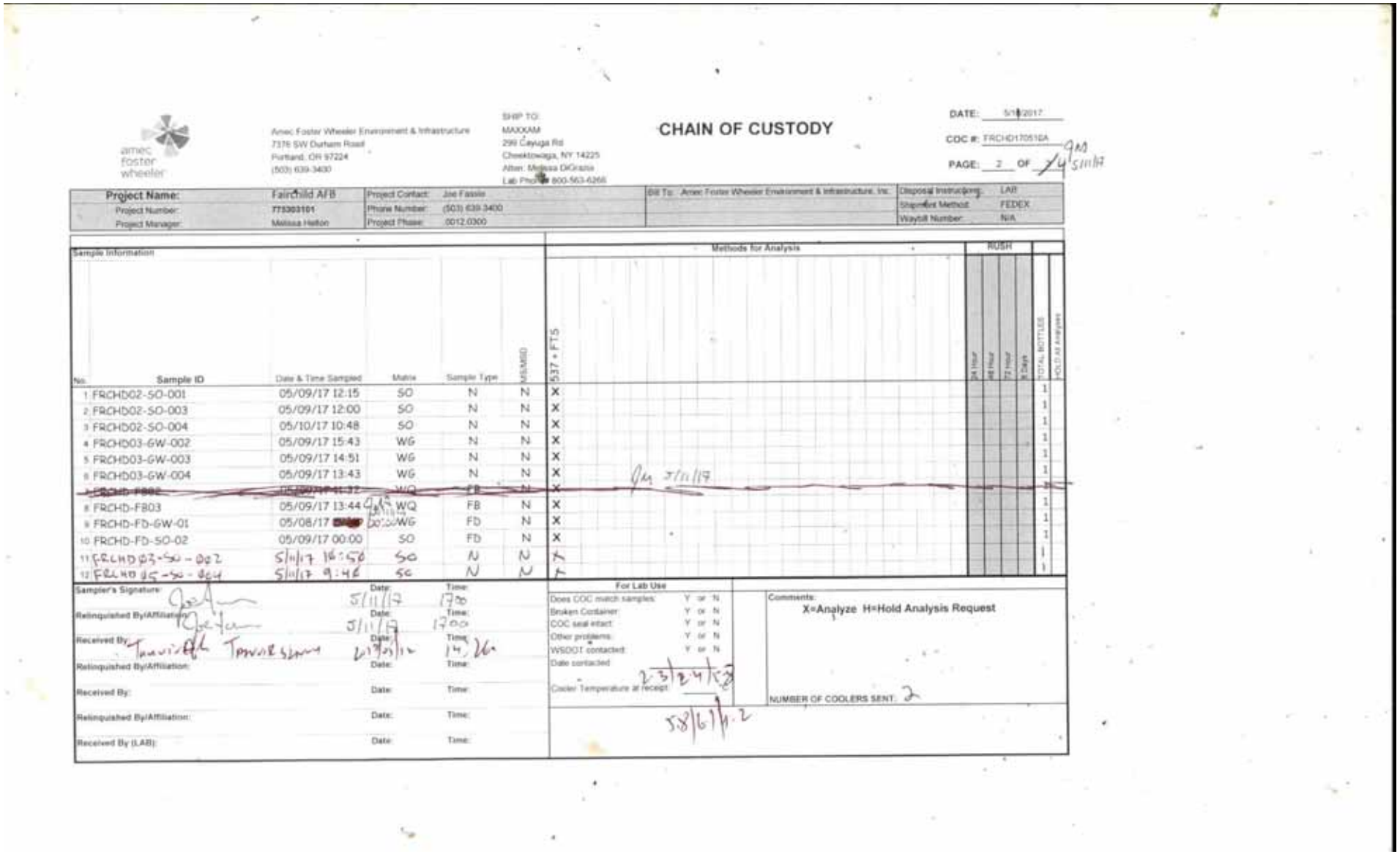
For Lab Use

Does COC match samples:	Y or N
Broken Container:	Y or N
COC seal intact:	Y or N
Other problems:	Y or N
WSDOT contacted:	Y or N
Date contacted:	5-12-17 15:8
Cooler Temperature at receipt:	°C

5/12/17 14:2

Comments:
X=Analyze H=Hold Analysis Request

NUMBER OF COOLERS SENT: 2



amec foster wheeler

Amec Foster Wheeler Environment & Infrastructure
7376 SW Durham Road
Portland, OR 97224
(503) 639-3400

SHIP TO:
MAXXAM
299 Cayuga Rd
Cheektowaga, NY 14225
Attn: Melissa DiGrazia
Lab Phone: 800-563-6266

CHAIN OF CUSTODY

DATE: 5/[illegible]/2017
COC #: FRCHD170518A
PAGE: 2 OF 4 5/11/17

Project Name:	Fairchild AFB	Project Contact:	Joe Fassio	Bill To: Amec Foster Wheeler Environment & Infrastructure, Inc.	Disposal Instructions: LAB
Project Number:	775303101	Phone Number:	(503) 639-3400		Shipment Method: FEDEX
Project Manager:	Melissa Helton	Project Phase:	0012.0300		Waybill Number: N/A

No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	Methods for Analysis: 537 + FTS	RUSH: 24 Hour	48 Hour	72 Hour	5 Days	TOTAL BOTTLES	HOLD All Analytes
1	FRCHD02-SO-001	05/09/17 12:15	SO	N	N	X					1	
2	FRCHD02-SO-003	05/09/17 12:00	SO	N	N	X					1	
3	FRCHD02-SO-004	05/10/17 10:48	SO	N	N	X					1	
4	FRCHD03-GW-002	05/09/17 15:43	WG	N	N	X					1	
5	FRCHD03-GW-003	05/09/17 14:51	WG	N	N	X					1	
6	FRCHD03-GW-004	05/09/17 13:43	WG	N	N	X					1	
7	[illegible]	[illegible]	WQ	FB	N	X					1	
8	FRCHD-FB03	05/09/17 13:44	WQ	FB	N	X					1	
9	FRCHD-FD-GW-01	05/08/17 [illegible]	WG	FD	N	X					1	
10	FRCHD-FD-SO-02	05/09/17 00:00	SO	FD	N	X					1	
11	FRCHD03-SO-002	5/11/17 16:50	SO	N	N	X					1	
12	FRCHD05-SO-004	5/10/17 9:48	SO	N	N	X					1	

Sampler's Signature:		Date: 5/11/17	Time: 1730
Relinquished By/Affiliation:		Date: 5/11/17	Time: 1700
Received By:	Tamara Thomas	Date: 5/12/17	Time: 14:26
Relinquished By/Affiliation:		Date:	Time:
Received By:		Date:	Time:
Relinquished By/Affiliation:		Date:	Time:
Received By (LAB):		Date:	Time:

For Lab Use

Does COC match samples:	Y or N
Broken Container:	Y or N
COC seal intact:	Y or N
Other problems:	Y or N
WSDOT contacted:	Y or N
Date contacted:	
Cooler Temperature at receipt:	2.3 2.4 5.8 / 5.8 6.1 4.2

Comments:
X=Analyze H=Hold Analysis Request

NUMBER OF COOLERS SENT: 2

amec foster wheeler

Amec Foster Wheeler Environment & Infrastructure
7376 SW Durham Road
Portland, OR 97224
(503) 639-3400

SHIP TO:
MAXXAM
299 Cayuga Rd
Cheektowaga, NY 14225
Attn: Melissa DiGrazia
Lab Phone# [redacted]-563-6266

CHAIN OF CUSTODY

DATE: 5/12/2017
COC #: FRCHD170510A
PAGE: 3 OF 4 5/11/17

Project Name:	Fairchild AFB	Project Contact:	Joe Fassio	Bill To: Amec Foster Wheeler Environment & Infrastructure, Inc.	Disposal Instructions: LAB
Project Number:	7753031 01	Phone Number:	(503) 639-3400		Shipment Method: FEDEX
Project Manager:	Melissa Helton	Project Phase:	.0012.0000		Waybill Number: N/A

No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	Methods for Analysis: 537 + FTS	RUSH: 24 Hour	48 Hour	72 Hour	5 Days	TOTAL BOTTLES	HOLD All Analytes
1	FRCHD01-SO-001	05/10/17 13:30	SO	N	N	X					1	
2	FRCHD01-SO-002	05/10/17 13:37	SO	N	N	X					1	
3	FRCHD01-SO-003	05/10/17 14:00	SO	N	N	X					1	
4	FRCHD01-SO-004	05/10/17 14:20	SO	N	N	X					1	
5	FRCHD02-GW-001	05/10/17 13:13	WG	N	N	X					1	
6	FRCHD02-SO-002	05/10/17 12:30	SO	N	N	X					1	
7	FRCHD04-GW-003	5/10/17 17:06	WG	N	N	X					1	
8	FRCHD05-SO-002	5/11/17 9:15	SO	N	N	X					1	
9	FRCHD03-SO-004	5/11/17 11:45	SO	N	N	X					1	
10	FRCHD-FD-SO-03	5/11/17 [illegible]	SO	FD	N	X					1	
11	FRCHD05-GW-002	5/11/17 16:16	WG	N	N	X					1	
12	FRCHD-FB-002	5/11/17 10:49	WQ	FB	N	X					1	

Sampler's Signature:		Date: 5/11/17	Time: 1700
Relinquished By/Affiliation:		Date: 5/11/17	Time: 1700
Received By:	[illegible]	Date: 2017-05-12	Time: 14:26
Relinquished By/Affiliation:		Date:	Time:
Received By:		Date:	Time:
Relinquished By/Affiliation:		Date:	Time:
Received By (LAB):		Date:	Time:

For Lab Use

Does COC match samples:	Y or N
Broken Container:	Y or N
COC seal intact:	Y or N
Other problems:	Y or N
WSDOT contacted:	Y or N
Date contacted:	
Cooler Temperature at receipt:	°C

Comments:
X=Analyze H=Hold Analysis Request
1

NUMBER OF COOLERS SENT:

2.3/2.4/5.8/5.8/6.1/4.2

Maxxam Analytics

amec foster wheeler

Amec Foster Wheeler Environment & Infrastructure
7376 SW Durham Road
Portland, OR 97224
(503) 639-3400

SHIP TO:
MAXXAM
299 Cayuga Rd
Cheektowaga, NY 14225
Attn: Melissa DiGrazia
Lab Phone: 800-563-6266

CHAIN OF CUSTODY

DATE: 5/11/2017
COC #:
PAGE: 4 OF 4

Project Name:	Fairchild AFB	Project Contact:	Joe Fassio	Bill To: Amec Foster Wheeler Environment & Infrastructure, Inc.	Disposal Instructions: LAB
Project Number:	775303101	Phone Number:	(503) 639-3400		Shipment Method: FEDEX
Project Manager:	Melissa Helton	Project Phase:	0012-0300		Waybill Number: N/A

No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	Methods for Analysis: 537 + FTS	RUSH: 24 Hour	48 Hour	72 Hour	5 Days	TOTAL BOTTLES	HOLD All Analyses
1	FRCHD04-SO-004	5/11/17 13:58	SO	N	N	X					1	
2	FRCHD04-SO-002	5/11/17 14:40	SO	N	N	X					5	
3	FRCHD04-GW-001	5/11/17 15:40	GW	N	N	X					3	
4	FRCHD03-SO-006	5/11/17 12:55	SO	N	N	X					1	
5	FRCHD-EB-02	5/11/17 9:16	WQ	EB	N	X					1	
6	FRCHD03-SO-002	5/11/17 10:24	SO	N	N	X					1	
7												
8												
9												
10												
11												
12												

Sampler's Signature:	Date: 5/11/17	Time: 1700
Relinquished By/Affiliation:	Date: 5/11/17	Time: 1900
Received By: Tom Ryan Fairchild Station	Date: 2017/05/12	Time: 14:26
Relinquished By/Affiliation:	Date:	Time:
Received By:	Date:	Time:
Relinquished By/Affiliation:	Date:	Time:
Received By (LAB):	Date:	Time:

For Lab Use

Does COC match samples:	Y or N
Broken Container:	Y or N
COC seal intact:	Y or N
Other problems:	Y or N
WSDOT contacted:	Y or N
Date contacted:	
Cooler Temperature at receipt:	°C

Comments:
X=Analyze H=Hold Analysis Request

NUMBER OF COOLERS SENT: 2

2 3 | 2 4 | 5 8
5 8 | 6 | 1 4 2

Maxxam Analytics



3. Analytical Results

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



3.1 Summary Report

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

Your P.O. #: F013900869
Your Project #: 775303101
Site Location: FAIRCHILD AFB
Your C.O.C. #: na

Attention:Fairchild AFB reporting group

CT Laboratories LLC
1230 Lange Court
Baraboo, WI
USA 53913

Report Date: 2017/07/27
Report #: R4617743
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

MAXXAM JOB #: B797259
Received: 2017/05/12, 15:26

Sample Matrix: GROUND WATER
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
PFOS and PFOA in water by SPE/LCMS (1)	12	2017/05/18	2017/05/23	CAM SOP-00894	EPA 537 m

Sample Matrix: Soil
Samples Received: 26

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Moisture	26	N/A	2017/05/25	CAM SOP-00445	Carter 2nd ed 51.2 m
PFOS and PFOA in soil by SPE/LCMS (1)	20	2017/05/19	2017/05/24	CAM SOP-00894	EPA537 m
PFOS and PFOA in soil by SPE/LCMS (1)	6	2017/05/23	2017/05/30	CAM SOP-00894	EPA537 m

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
PFOS and PFOA in water by SPE/LCMS (1)	2	2017/05/18	2017/05/23	CAM SOP-00894	EPA 537 m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Your P.O. #: F013900869
Your Project #: 775303101
Site Location: FAIRCHILD AFB
Your C.O.C. #: na

Attention:Fairchild AFB reporting group

CT Laboratories LLC
1230 Lange Court
Baraboo, WI
USA 53913

Report Date: 2017/07/27
Report #: R4617743
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

MAXXAM JOB #: B797259
Received: 2017/05/12, 15:26

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding lt in the apparent difference.
(1) Per- and polyfluoroalkyl substances (PFAS) id n the certificate of analysis represent the extracted internal standard.

Encryption Key

Please direct all questions regarding this Certific Project Manager.
Melissa DiGrazia, Supervisor –Environmental Cu
Email: MDiGrazia@maxxam.ca
Phone# (905) 817-5700

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI394				EJI400	EJI400				
Sampling Date		2017/05/08 10:40				2017/05/08 12:15	2017/05/08 12:15				
COC Number		na				na	na				
	UNITS	FRCHD03-GW-001	DL	LOD	LOQ	FRCHD05-GW-002	FRCHD05-GW-002 Lab-Dup	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	1.9 (1)	0.032	0.10	0.20	14 (2)	19 (2)	0.32	1.0	2.0	4988945
8:2 Fluorotelomer sulfonate	ug/L	0.31 (1)	0.036	0.10	0.20	3.6 (2)	4.1 (2)	0.36	1.0	2.0	4988945
EtFOSAA	ug/L	0.059 J (1)	0.036	0.10	0.20	1.0 U (2)	1.0 U (2)	0.36	1.0	2.0	4988945
MeFOSAA	ug/L	0.10 U (1)	0.026	0.10	0.20	1.0 U (2)	1.0 U (2)	0.26	1.0	2.0	4988945
Perfluorobutane Sulfonate (PFBS)	ug/L	0.28 (1)	0.048	0.10	0.20	3.8 (2)	4.0 (2)	0.48	1.0	2.0	4988945
Perfluorodecanoic Acid (PFDA)	ug/L	0.10 U (1)	0.040	0.10	0.20	1.0 U (2)	1.0 U (2)	0.40	1.0	2.0	4988945
Perfluorododecanoic Acid (PFDoA)	ug/L	0.10 U (1)	0.028	0.10	0.20	1.0 U (2)	1.0 U (2)	0.28	1.0	2.0	4988945
Perfluoroheptanoic Acid (PFHpA)	ug/L	1.4 (1)	0.033	0.10	0.20	2.1 (2)	2.6 (2)	0.33	1.0	2.0	4988945
Perfluorohexane Sulfonate (PFHxS)	ug/L	2.4 (1)	0.034	0.10	0.20	29 (2)	28 (2)	0.34	1.0	2.0	4988945
Perfluorohexanoic Acid (PFHxA)	ug/L	1.4 (1)	0.029	0.10	0.20	7.8 (2)	7.8 (2)	0.29	1.0	2.0	4988945
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.62 (1)	0.046	0.10	0.20	6.0 (2)	6.1 (2)	0.46	1.0	2.0	4988945
Perfluorononanoic Acid (PFNA)	ug/L	0.077 J (1)	0.038	0.10	0.20	0.46 J (2)	0.48 J (2)	0.38	1.0	2.0	4988945
Perfluorooctane Sulfonate (PFOS)	ug/L	17 (3)	0.13	0.50	1.0	98 (4)	100 (4)	2.6	10	20	4988945
Perfluorotetradecanoic Acid	ug/L	0.10 U (1)	0.038	0.10	0.20	1.0 U (2)	1.0 U (2)	0.38	1.0	2.0	4988945
Perfluorotridecanoic Acid	ug/L	0.10 U (1)	0.033	0.10	0.20	1.0 U (2)	1.0 U (2)	0.33	1.0	2.0	4988945
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.10 U (1)	0.043	0.10	0.20	1.0 U (2)	1.0 U (2)	0.43	1.0	2.0	4988945
Surrogate Recovery (%)											
13C2-6:2 Fluorotelomer sulfonate	%	93				92	77				4988945
13C2-8:2 Fluorotelomer sulfonate	%	93				81	82				4988945
13C2-Perfluorodecanoic acid	%	83				72	91				4988945
13C2-Perfluorododecanoic acid	%	96				76	84				4988945
13C2-Perfluorohexanoic acid	%	85				82	88				4988945
13C2-perfluorotetradecanoic acid	%	77				62	80				4988945
13C2-Perfluoroundecanoic acid	%	89				74	91				4988945
13C4-Perfluoroheptanoic acid	%	86				92	84				4988945
13C4-Perfluorooctanesulfonate	%	76				88	94				4988945
13C4-Perfluorooctanoic acid	%	93				84	96				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 100x dilution. Detection limit was adjusted accordingly.
(3) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.
(4) Due to high concentration of the target analyte, sample required 1000x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI394				EJI400	EJI400				
Sampling Date		2017/05/08 10:40				2017/05/08 12:15	2017/05/08 12:15				
COC Number		na				na	na				
	UNITS	FRCHD03-GW-001	DL	LOD	LOQ	FRCHD05-GW-002	FRCHD05-GW-002 Lab-Dup	DL	LOD	LOQ	QC Batch
13C5-Perfluorononanoic acid	%	87				82	93				4988945
18O2-Perfluorohexanesulfonate	%	90				77	83				4988945
D3-MeFOSAA	%	74				60	65				4988945
D5-EtFOSAA	%	75				63	64				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI408				EJI409				
Sampling Date		2017/05/09 15:43				2017/05/09 14:51				
COC Number		na				na				
	UNITS	FRCHD03-GW-002	DL	LOD	LOQ	FRCHD03-GW-003	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	9.2 (1)	0.32	1.0	2.0	0.010 U	0.0032	0.010	0.020	4988945
8:2 Fluorotelomer sulfonate	ug/L	0.19 J (2)	0.036	0.10	0.20	0.010 U	0.0036	0.010	0.020	4988945
EtFOSAA	ug/L	0.10 U (2)	0.036	0.10	0.20	0.010 U	0.0036	0.010	0.020	4988945
MeFOSAA	ug/L	0.10 U (2)	0.026	0.10	0.20	0.010 U	0.0026	0.010	0.020	4988945
Perfluorobutane Sulfonate (PFBS)	ug/L	0.77 (2)	0.048	0.10	0.20	0.010 U	0.0048	0.010	0.020	4988945
Perfluorodecanoic Acid (PFDA)	ug/L	0.10 U (2)	0.040	0.10	0.20	0.12	0.0040	0.010	0.020	4988945
Perfluorododecanoic Acid (PFDoA)	ug/L	0.10 U (2)	0.028	0.10	0.20	0.010 U	0.0028	0.010	0.020	4988945
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.52 (2)	0.033	0.10	0.20	0.88	0.0033	0.010	0.020	4988945
Perfluorohexane Sulfonate (PFHxS)	ug/L	7.3 (2)	0.034	0.10	0.20	0.011 J	0.0034	0.010	0.020	4988945
Perfluorohexanoic Acid (PFHxA)	ug/L	2.2 (2)	0.029	0.10	0.20	0.41	0.0029	0.010	0.020	4988945
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.83 (2)	0.046	0.10	0.20	1.5 (2)	0.046	0.10	0.20	4988945
Perfluorononanoic Acid (PFNA)	ug/L	0.042 J (2)	0.038	0.10	0.20	0.35	0.0038	0.010	0.020	4988945
Perfluorooctane Sulfonate (PFOS)	ug/L	8.4 (2)	0.026	0.10	0.20	0.026	0.0026	0.010	0.020	4988945
Perfluorotetradecanoic Acid	ug/L	0.10 U (2)	0.038	0.10	0.20	0.010 U	0.0038	0.010	0.020	4988945
Perfluorotridecanoic Acid	ug/L	0.10 U (2)	0.033	0.10	0.20	0.010 U	0.0033	0.010	0.020	4988945
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.10 U (2)	0.043	0.10	0.20	0.010 U	0.0043	0.010	0.020	4988945
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	96				91				4988945
13C2-8:2 Fluorotelomer sulfonate	%	92				100				4988945
13C2-Perfluorodecanoic acid	%	84				88				4988945
13C2-Perfluorododecanoic acid	%	74				82				4988945
13C2-Perfluorohexanoic acid	%	94				95				4988945
13C2-perfluorotetradecanoic acid	%	61				74				4988945
13C2-Perfluoroundecanoic acid	%	78				96				4988945
13C4-Perfluoroheptanoic acid	%	96				95				4988945
13C4-Perfluorooctanesulfonate	%	96				91				4988945
13C4-Perfluorooctanoic acid	%	108				97				4988945
13C5-Perfluorononanoic acid	%	106				97				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 100x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI408				EJI409				
Sampling Date		2017/05/09 15:43				2017/05/09 14:51				
COC Number		na				na				
	UNITS	FRCHD03-GW-002	DL	LOD	LOQ	FRCHD03-GW-003	DL	LOD	LOQ	QC Batch
18O2-Perfluorohexanesulfonate	%	102				84				4988945
D3-MeFOSAA	%	68				78				4988945
D5-EtFOSAA	%	67				75				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI410	EJI411				EJI412				
Sampling Date		2017/05/09 13:43	2017/05/09 13:44				2017/05/08 00:00				
COC Number		na	na				na				
	UNITS	FRCHD03-GW-004	FRCHD-FB03	DL	LOD	LOQ	FRCHD-FD-GW-01	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	0.097	0.010 U	0.0032	0.010	0.020	1.8 (1)	0.032	0.10	0.20	4988945
8:2 Fluorotelomer sulfonate	ug/L	0.010 U	0.010 U	0.0036	0.010	0.020	0.33 (1)	0.036	0.10	0.20	4988945
EtFOSAA	ug/L	0.010 U	0.010 U	0.0036	0.010	0.020	0.10 U (1)	0.036	0.10	0.20	4988945
MeFOSAA	ug/L	0.010 U	0.010 U	0.0026	0.010	0.020	0.10 U (1)	0.026	0.10	0.20	4988945
Perfluorobutane Sulfonate (PFBS)	ug/L	0.012 J	0.010 U	0.0048	0.010	0.020	0.26 (1)	0.048	0.10	0.20	4988945
Perfluorodecanoic Acid (PFDA)	ug/L	0.0061 J	0.010 U	0.0040	0.010	0.020	0.10 U (1)	0.040	0.10	0.20	4988945
Perfluorododecanoic Acid (PFDoA)	ug/L	0.0037 J	0.010 U	0.0028	0.010	0.020	0.10 U (1)	0.028	0.10	0.20	4988945
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.016 J	0.010 U	0.0033	0.010	0.020	1.4 (1)	0.033	0.10	0.20	4988945
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.077	0.010 U	0.0034	0.010	0.020	2.3 (1)	0.034	0.10	0.20	4988945
Perfluorohexanoic Acid (PFHxA)	ug/L	0.044	0.010 U	0.0029	0.010	0.020	1.3 (1)	0.029	0.10	0.20	4988945
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.022	0.010 U	0.0046	0.010	0.020	0.58 (1)	0.046	0.10	0.20	4988945
Perfluorononanoic Acid (PFNA)	ug/L	0.0042 J	0.010 U	0.0038	0.010	0.020	0.084 J (1)	0.038	0.10	0.20	4988945
Perfluorooctane Sulfonate (PFOS)	ug/L	0.24	0.010 U	0.0026	0.010	0.020	17 (2)	0.13	0.50	1.0	4988945
Perfluorotetradecanoic Acid	ug/L	0.010 U	0.010 U	0.0038	0.010	0.020	0.10 U (1)	0.038	0.10	0.20	4988945
Perfluorotridecanoic Acid	ug/L	0.010 U	0.010 U	0.0033	0.010	0.020	0.10 U (1)	0.033	0.10	0.20	4988945
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.010 U	0.010 U	0.0043	0.010	0.020	0.10 U (1)	0.043	0.10	0.20	4988945
Surrogate Recovery (%)											
13C2-6:2 Fluorotelomer sulfonate	%	79	91				91				4988945
13C2-8:2 Fluorotelomer sulfonate	%	78	91				80				4988945
13C2-Perfluorodecanoic acid	%	91	96				103				4988945
13C2-Perfluorododecanoic acid	%	80	86				96				4988945
13C2-Perfluorohexanoic acid	%	87	93				93				4988945
13C2-perfluorotetradecanoic acid	%	78	80				81				4988945
13C2-Perfluoroundecanoic acid	%	95	89				102				4988945
13C4-Perfluoroheptanoic acid	%	83	105				96				4988945
13C4-Perfluorooctanesulfonate	%	69	95				62				4988945
13C4-Perfluorooctanoic acid	%	82	93				98				4988945
13C5-Perfluorononanoic acid	%	81	101				107				4988945
18O2-Perfluorohexanesulfonate	%	83	91				97				4988945
D3-MeFOSAA	%	68	78				83				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI410	EJI411				EJI412				
Sampling Date		2017/05/09 13:43	2017/05/09 13:44				2017/05/08 00:00				
COC Number		na	na				na				
	UNITS	FRCHD03-GW-004	FRCHD-FB03	DL	LOD	LOQ	FRCHD-FD-GW-01	DL	LOD	LOQ	QC Batch
D5-EtFOSAA	%	66	76				80				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI420				EJI422				
Sampling Date		2017/05/10 13:13				2017/05/10 17:06				
COC Number		na				na				
	UNITS	FRCHD02-GW-001	DL	LOD	LOQ	FRCHD04-GW-003	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	15 (1)	0.032	0.10	0.20	0.0079 J	0.0032	0.010	0.020	4988945
8:2 Fluorotelomer sulfonate	ug/L	0.70 (1)	0.036	0.10	0.20	0.010 U	0.0036	0.010	0.020	4988945
EtFOSAA	ug/L	0.10 U (1)	0.036	0.10	0.20	0.010 U	0.0036	0.010	0.020	4988945
MeFOSAA	ug/L	0.10 U (1)	0.026	0.10	0.20	0.010 U	0.0026	0.010	0.020	4988945
Perfluorobutane Sulfonate (PFBS)	ug/L	1.2 (1)	0.048	0.10	0.20	0.010 U	0.0048	0.010	0.020	4988945
Perfluorodecanoic Acid (PFDA)	ug/L	0.14 J (1)	0.040	0.10	0.20	0.010 U	0.0040	0.010	0.020	4988945
Perfluorododecanoic Acid (PFDoA)	ug/L	0.10 U (1)	0.028	0.10	0.20	0.010 U	0.0028	0.010	0.020	4988945
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.59 (1)	0.033	0.10	0.20	0.0048 J	0.0033	0.010	0.020	4988945
Perfluorohexane Sulfonate (PFHxS)	ug/L	8.4 (1)	0.034	0.10	0.20	0.020	0.0034	0.010	0.020	4988945
Perfluorohexanoic Acid (PFHxA)	ug/L	3.2 (1)	0.029	0.10	0.20	0.015 J	0.0029	0.010	0.020	4988945
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.69 (1)	0.046	0.10	0.20	0.0092 J	0.0046	0.010	0.020	4988945
Perfluorononanoic Acid (PFNA)	ug/L	0.10 J (1)	0.038	0.10	0.20	0.010 U	0.0038	0.010	0.020	4988945
Perfluorooctane Sulfonate (PFOS)	ug/L	21 (2)	0.13	0.50	1.0	0.026	0.0026	0.010	0.020	4988945
Perfluorotetradecanoic Acid	ug/L	0.10 U (1)	0.038	0.10	0.20	0.010 U	0.0038	0.010	0.020	4988945
Perfluorotridecanoic Acid	ug/L	0.10 U (1)	0.033	0.10	0.20	0.010 U	0.0033	0.010	0.020	4988945
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.10 U (1)	0.043	0.10	0.20	0.010 U	0.0043	0.010	0.020	4988945
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	88				88				4988945
13C2-8:2 Fluorotelomer sulfonate	%	78				96				4988945
13C2-Perfluorodecanoic acid	%	75				92				4988945
13C2-Perfluorododecanoic acid	%	72				89				4988945
13C2-Perfluorohexanoic acid	%	82				100				4988945
13C2-perfluorotetradecanoic acid	%	64				75				4988945
13C2-Perfluoroundecanoic acid	%	78				92				4988945
13C4-Perfluoroheptanoic acid	%	80				113				4988945
13C4-Perfluorooctanesulfonate	%	92				108				4988945
13C4-Perfluorooctanoic acid	%	84				108				4988945
13C5-Perfluorononanoic acid	%	74				107				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI420				EJI422				
Sampling Date		2017/05/10 13:13				2017/05/10 17:06				
COC Number		na				na				
	UNITS	FRCHD02-GW-001	DL	LOD	LOQ	FRCHD04-GW-003	DL	LOD	LOQ	QC Batch
18O2-Perfluorohexanesulfonate	%	86				107				4988945
D3-MeFOSAA	%	68				88				4988945
D5-EtFOSAA	%	65				78				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI426				EJI427				
Sampling Date		2017/05/11 10:16				2017/05/11 10:49				
COC Number		na				na				
	UNITS	FRCHD05-GW-001	DL	LOD	LOQ	FRCHD-FB-02	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	91 (1)	0.32	1.0	2.0	0.010 U	0.0032	0.010	0.020	4988945
8:2 Fluorotelomer sulfonate	ug/L	2.5 (1)	0.36	1.0	2.0	0.010 U	0.0036	0.010	0.020	4988945
EtFOSAA	ug/L	1.0 U (1)	0.36	1.0	2.0	0.010 U	0.0036	0.010	0.020	4988945
MeFOSAA	ug/L	1.0 U (1)	0.26	1.0	2.0	0.010 U	0.0026	0.010	0.020	4988945
Perfluorobutane Sulfonate (PFBS)	ug/L	9.2 (1)	0.48	1.0	2.0	0.010 U	0.0048	0.010	0.020	4988945
Perfluorodecanoic Acid (PFDA)	ug/L	1.0 U (1)	0.40	1.0	2.0	0.010 U	0.0040	0.010	0.020	4988945
Perfluorododecanoic Acid (PFDoA)	ug/L	1.0 U (1)	0.28	1.0	2.0	0.010 U	0.0028	0.010	0.020	4988945
Perfluoroheptanoic Acid (PFHpA)	ug/L	4.3 (1)	0.33	1.0	2.0	0.010 U	0.0033	0.010	0.020	4988945
Perfluorohexane Sulfonate (PFHxS)	ug/L	91 (2)	3.4	10	20	0.010 U	0.0034	0.010	0.020	4988945
Perfluorohexanoic Acid (PFHxA)	ug/L	26 (1)	0.29	1.0	2.0	0.010 U	0.0029	0.010	0.020	4988945
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	17 (1)	0.46	1.0	2.0	0.010 U	0.0046	0.010	0.020	4988945
Perfluorononanoic Acid (PFNA)	ug/L	0.41 J (1)	0.38	1.0	2.0	0.010 U	0.0038	0.010	0.020	4988945
Perfluorooctane Sulfonate (PFOS)	ug/L	150 (2)	2.6	10	20	0.010 U	0.0026	0.010	0.020	4988945
Perfluorotetradecanoic Acid	ug/L	1.0 U (1)	0.38	1.0	2.0	0.010 U	0.0038	0.010	0.020	4988945
Perfluorotridecanoic Acid	ug/L	1.0 U (1)	0.33	1.0	2.0	0.010 U	0.0033	0.010	0.020	4988945
Perfluoroundecanoic Acid (PFUnA)	ug/L	1.0 U (1)	0.43	1.0	2.0	0.010 U	0.0043	0.010	0.020	4988945
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	86				85				4988945
13C2-8:2 Fluorotelomer sulfonate	%	90				78				4988945
13C2-Perfluorodecanoic acid	%	94				91				4988945
13C2-Perfluorododecanoic acid	%	81				82				4988945
13C2-Perfluorohexanoic acid	%	91				98				4988945
13C2-perfluorotetradecanoic acid	%	72				73				4988945
13C2-Perfluoroundecanoic acid	%	84				85				4988945
13C4-Perfluoroheptanoic acid	%	90				84				4988945
13C4-Perfluorooctanesulfonate	%	105				86				4988945
13C4-Perfluorooctanoic acid	%	87				99				4988945
13C5-Perfluorononanoic acid	%	85				91				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 100x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 1000x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI426				EJI427				
Sampling Date		2017/05/11 10:16				2017/05/11 10:49				
COC Number		na				na				
	UNITS	FRCHD05-GW-001	DL	LOD	LOQ	FRCHD-FB-02	DL	LOD	LOQ	QC Batch
18O2-Perfluorohexanesulfonate	%	107				100				4988945
D3-MeFOSAA	%	172 (1)				74				4988945
D5-EtFOSAA	%	166 (1)				73				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Extracted internal standard analyte recovery was above the defined upper control limit (UCL). Laboratory spiked water resulted in satisfactory recovery of the extracted internal standard analyte. When considered together, these QC data suggest that matrix interferences may be biasing the data high. Because quantitation is performed using isotope dilution techniques, any apparent gains of the native compound that may occur during any of the sample preparation, extraction, cleanup or determinative steps will be mirrored by a similar gain of the labeled standard, and as such can be accounted for and corrected. Therefore, the quantification of these target compounds is not affected by the high extracted internal standard analyte recovery.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI430				
Sampling Date		2017/05/11 15:40				
COC Number		na				
	UNITS	FRCHD04-GW-001	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	1.5 (1)	0.032	0.10	0.20	4988945
8:2 Fluorotelomer sulfonate	ug/L	0.089 J (1)	0.036	0.10	0.20	4988945
EtFOSAA	ug/L	0.10 U (1)	0.036	0.10	0.20	4988945
MeFOSAA	ug/L	0.10 U (1)	0.026	0.10	0.20	4988945
Perfluorobutane Sulfonate (PFBS)	ug/L	0.58 (1)	0.048	0.10	0.20	4988945
Perfluorodecanoic Acid (PFDA)	ug/L	0.10 U (1)	0.040	0.10	0.20	4988945
Perfluorododecanoic Acid (PFDoA)	ug/L	0.10 U (1)	0.028	0.10	0.20	4988945
Perfluoroheptanoic Acid (PFHpA)	ug/L	1.7 (1)	0.033	0.10	0.20	4988945
Perfluorohexane Sulfonate (PFHxS)	ug/L	14 (2)	0.17	0.50	0.20	4988945
Perfluorohexanoic Acid (PFHxA)	ug/L	2.5 (1)	0.029	0.10	0.20	4988945
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	2.5 (1)	0.046	0.10	0.20	4988945
Perfluorononanoic Acid (PFNA)	ug/L	0.34 (1)	0.038	0.10	0.20	4988945
Perfluorooctane Sulfonate (PFOS)	ug/L	22 (2)	0.13	0.50	1.0	4988945
Perfluorotetradecanoic Acid	ug/L	0.10 U (1)	0.038	0.10	0.20	4988945
Perfluorotridecanoic Acid	ug/L	0.10 U (1)	0.033	0.10	0.20	4988945
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.10 U (1)	0.043	0.10	0.20	4988945
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	90				4988945
13C2-8:2 Fluorotelomer sulfonate	%	75				4988945
13C2-Perfluorodecanoic acid	%	80				4988945
13C2-Perfluorododecanoic acid	%	82				4988945
13C2-Perfluorohexanoic acid	%	92				4988945
13C2-perfluorotetradecanoic acid	%	71				4988945
13C2-Perfluoroundecanoic acid	%	81				4988945
13C4-Perfluoroheptanoic acid	%	91				4988945
13C4-Perfluorooctanesulfonate	%	89				4988945
13C4-Perfluorooctanoic acid	%	91				4988945
13C5-Perfluorononanoic acid	%	98				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF GROUND WATER

Maxxam ID		EJI430				
Sampling Date		2017/05/11 15:40				
COC Number		na				
	UNITS	FRCHD04-GW-001	DL	LOD	LOQ	QC Batch
18O2-Perfluorohexanesulfonate	%	93				4988945
D3-MeFOSAA	%	73				4988945
D5-EtFOSAA	%	69				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI395				
Sampling Date		2017/05/08 10:00				
COC Number		na				
	UNITS	FRCHD03-SO-003	DL	LOD	LOQ	QC Batch
Moisture	%	6.8	0.50	N/A	1.0	4998539
6:2 Fluorotelomer sulfonate	mg/kg	0.00055 U	0.00021	0.00055	0.00091	4994375
8:2 Fluorotelomer sulfonate	mg/kg	0.00055 U	0.00029	0.00055	0.00091	4994375
EtFOSAA	mg/kg	0.00055 U	0.00015	0.00055	0.00091	4994375
MeFOSAA	mg/kg	0.00055 U	0.00015	0.00055	0.00091	4994375
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00055 U	0.00015	0.00055	0.00091	4994375
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00043 J	0.00012	0.00036	0.00091	4994375
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00055 U	0.00020	0.00055	0.00091	4994375
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00055 U	0.00015	0.00055	0.00091	4994375
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.00055 U	0.00021	0.00055	0.00091	4994375
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00055 U	0.00017	0.00055	0.00091	4994375
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00041 J	0.00024	0.00055	0.00091	4994375
Perfluorononanoic Acid (PFNA)	mg/kg	0.00099	0.00015	0.00055	0.00091	4994375
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.0058	0.00019	0.00055	0.00091	4994375
Perfluorotetradecanoic Acid	mg/kg	0.00036 U	0.00010	0.00036	0.00091	4994375
Perfluorotridecanoic Acid	mg/kg	0.00036 U	0.00011	0.00036	0.00091	4994375
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00055 U	0.00016	0.00055	0.00091	4994375
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	94				4994375
13C2-8:2 Fluorotelomer sulfonate	%	103				4994375
13C2-Perfluorodecanoic acid	%	96				4994375
13C2-Perfluorododecanoic acid	%	81				4994375
13C2-Perfluorohexanoic acid	%	92				4994375
13C2-perfluorotetradecanoic acid	%	70				4994375
13C2-Perfluoroundecanoic acid	%	92				4994375
13C4-Perfluoroheptanoic acid	%	96				4994375
13C4-Perfluorooctanesulfonate	%	98				4994375
13C4-Perfluorooctanoic acid	%	99				4994375
13C5-Perfluorononanoic acid	%	98				4994375
18O2-Perfluorohexanesulfonate	%	101				4994375
D3-MeFOSAA	%	75				4994375
D5-EtFOSAA	%	79				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI396			EJI396				
Sampling Date		2017/05/08 13:08			2017/05/08 13:08				
COC Number		na			na				
	UNITS	FRCHD03-SO-005	LOD	LOQ	FRCHD03-SO-005 Lab-Dup	DL	LOD	LOQ	QC Batch
Moisture	%	11	N/A	1.0	11	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.00053 U	0.00053	0.00089	N/A	0.00020	0.00053	0.00089	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.00053 U	0.00053	0.00089	N/A	0.00028	0.00053	0.00089	4990811
EtFOSAA	mg/kg	0.00053 U	0.00053	0.00089	N/A	0.00014	0.00053	0.00089	4990811
MeFOSAA	mg/kg	0.00053 U	0.00053	0.00089	N/A	0.00014	0.00053	0.00089	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00053 U	0.00053	0.00089	N/A	0.00015	0.00053	0.00089	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00036 J	0.00036	0.00089	N/A	0.00012	0.00036	0.00089	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00053 U	0.00053	0.00089	N/A	0.00020	0.00053	0.00089	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00053 U	0.00053	0.00089	N/A	0.00015	0.00053	0.00089	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.00040 J	0.00053	0.00089	N/A	0.00020	0.00053	0.00089	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00053 U	0.00053	0.00089	N/A	0.00017	0.00053	0.00089	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00038 J	0.00053	0.00089	N/A	0.00023	0.00053	0.00089	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.0017	0.00053	0.00089	N/A	0.00015	0.00053	0.00089	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.020	0.00053	0.00089	N/A	0.00019	0.00053	0.00089	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00036 U	0.00036	0.00089	N/A	0.000098	0.00036	0.00089	4990811
Perfluorotridecanoic Acid	mg/kg	0.00018 J	0.00036	0.00089	N/A	0.00011	0.00036	0.00089	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00033 J	0.00053	0.00089	N/A	0.00016	0.00053	0.00089	4990811
Surrogate Recovery (%)									
13C2-6:2 Fluorotelomer sulfonate	%	77			N/A				4990811
13C2-8:2 Fluorotelomer sulfonate	%	80			N/A	N/A	N/A		4990811
13C2-Perfluorodecanoic acid	%	88			N/A	N/A	N/A		4990811
13C2-Perfluorododecanoic acid	%	80			N/A	N/A	N/A		4990811
13C2-Perfluorohexanoic acid	%	90			N/A	N/A	N/A		4990811
13C2-perfluorotetradecanoic acid	%	72			N/A	N/A	N/A		4990811
13C2-Perfluoroundecanoic acid	%	83			N/A	N/A	N/A		4990811
13C4-Perfluoroheptanoic acid	%	88			N/A	N/A	N/A		4990811
13C4-Perfluorooctanesulfonate	%	91			N/A	N/A	N/A		4990811
13C4-Perfluorooctanoic acid	%	91			N/A	N/A	N/A		4990811
13C5-Perfluorononanoic acid	%	85			N/A	N/A	N/A		4990811
18O2-Perfluorohexanesulfonate	%	85			N/A	N/A	N/A		4990811
D3-MeFOSAA	%	82			N/A	N/A	N/A		4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI396			EJI396				
Sampling Date		2017/05/08 13:08			2017/05/08 13:08				
COC Number		na			na				
	UNITS	FRCHD03-SO-005	LOD	LOQ	FRCHD03-SO-005 Lab-Dup	DL	LOD	LOQ	QC Batch
D5-EtFOSAA	%	83			N/A	N/A	N/A		4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI397				
Sampling Date		2017/05/08 14:18				
COC Number		na				
	UNITS	FRCHD04-SO-001	DL	LOD	LOQ	QC Batch
Moisture	%	26	0.50	N/A	1.0	4998539
6:2 Fluorotelomer sulfonate	mg/kg	0.00060 U	0.00023	0.00060	0.0010	4994375
8:2 Fluorotelomer sulfonate	mg/kg	0.00060 U	0.00032	0.00060	0.0010	4994375
EtFOSAA	mg/kg	0.00060 U	0.00016	0.00060	0.0010	4994375
MeFOSAA	mg/kg	0.00060 U	0.00016	0.00060	0.0010	4994375
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00060 U	0.00017	0.00060	0.0010	4994375
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00040 U	0.00013	0.00040	0.0010	4994375
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00060 U	0.00022	0.00060	0.0010	4994375
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00060 U	0.00017	0.00060	0.0010	4994375
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.0031	0.00023	0.00060	0.0010	4994375
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00060 U	0.00019	0.00060	0.0010	4994375
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00049 J	0.00026	0.00060	0.0010	4994375
Perfluorononanoic Acid (PFNA)	mg/kg	0.00038 J	0.00017	0.00060	0.0010	4994375
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.26 (1)	0.0021	0.0060	0.010	4994375
Perfluorotetradecanoic Acid	mg/kg	0.00040 U	0.00011	0.00040	0.0010	4994375
Perfluorotridecanoic Acid	mg/kg	0.00040 U	0.00012	0.00040	0.0010	4994375
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00060 U	0.00018	0.00060	0.0010	4994375
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	88				4994375
13C2-8:2 Fluorotelomer sulfonate	%	101				4994375
13C2-Perfluorodecanoic acid	%	86				4994375
13C2-Perfluorododecanoic acid	%	69				4994375
13C2-Perfluorohexanoic acid	%	83				4994375
13C2-perfluorotetradecanoic acid	%	62				4994375
13C2-Perfluoroundecanoic acid	%	76				4994375
13C4-Perfluoroheptanoic acid	%	84				4994375
13C4-Perfluorooctanesulfonate	%	91				4994375
13C4-Perfluorooctanoic acid	%	84				4994375
13C5-Perfluorononanoic acid	%	86				4994375
18O2-Perfluorohexanesulfonate	%	85				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI397				
Sampling Date		2017/05/08 14:18				
COC Number		na				
	UNITS	FRCHD04-SO-001	DL	LOD	LOQ	QC Batch
D3-MeFOSAA	%	73				4994375
D5-EtFOSAA	%	78				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI398	EJI399				
Sampling Date		2017/05/08 14:30	2017/05/08 14:40				
COC Number		na	na				
	UNITS	FRCHD04-SO-003	FRCHD04-SO-005	DL	LOD	LOQ	QC Batch
Moisture	%	26	18	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.00060 U	0.00060 U	0.00023	0.00060	0.0010	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.00060 U	0.00060 U	0.00032	0.00060	0.0010	4990811
EtFOSAA	mg/kg	0.00060 U	0.00060 U	0.00016	0.00060	0.0010	4990811
MeFOSAA	mg/kg	0.00060 U	0.00060 U	0.00016	0.00060	0.0010	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00060 U	0.00035 J	0.00017	0.00060	0.0010	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00040 U	0.00040 U	0.00013	0.00040	0.0010	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00060 U	0.00060 U	0.00022	0.00060	0.0010	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00060 U	0.00060 U	0.00017	0.00060	0.0010	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.00080 J	0.00080 J	0.00023	0.00060	0.0010	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00060 U	0.00060 U	0.00019	0.00060	0.0010	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00067 J	0.00060 U	0.00026	0.00060	0.0010	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.00045 J	0.00022 J	0.00017	0.00060	0.0010	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.019	0.0056	0.00021	0.00060	0.0010	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00040 U	0.00040 U	0.00011	0.00040	0.0010	4990811
Perfluorotridecanoic Acid	mg/kg	0.00040 U	0.00040 U	0.00012	0.00040	0.0010	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00060 U	0.00060 U	0.00018	0.00060	0.0010	4990811
Surrogate Recovery (%)							
13C2-6:2 Fluorotelomer sulfonate	%	78	100				4990811
13C2-8:2 Fluorotelomer sulfonate	%	79	96				4990811
13C2-Perfluorodecanoic acid	%	72	99				4990811
13C2-Perfluorododecanoic acid	%	66	86				4990811
13C2-Perfluorohexanoic acid	%	68	96				4990811
13C2-perfluorotetradecanoic acid	%	58	82				4990811
13C2-Perfluoroundecanoic acid	%	74	98				4990811
13C4-Perfluoroheptanoic acid	%	79	103				4990811
13C4-Perfluorooctanesulfonate	%	68	107				4990811
13C4-Perfluorooctanoic acid	%	77	101				4990811
13C5-Perfluorononanoic acid	%	71	95				4990811
18O2-Perfluorohexanesulfonate	%	62	102				4990811
D3-MeFOSAA	%	73	89				4990811
D5-EtFOSAA	%	70	89				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI401				EJI402				
Sampling Date		2017/05/08 12:40				2017/05/08 12:55				
COC Number		na				na				
	UNITS	FRCHD05-SO-001	DL	LOD	LOQ	FRCHD05-SO-003	DL	LOD	LOQ	QC Batch
Moisture	%	27	0.50	N/A	1.0	19	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.47 (1)	0.0028	0.0072	0.012	0.17 (1)	0.0023	0.0060	0.010	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.94 J (2)	0.38	0.72	1.2	0.35 (1)	0.0032	0.0060	0.010	4990811
EtFOSAA	mg/kg	0.0020 J (1)	0.0019	0.0072	0.012	0.0060 U (1)	0.0016	0.0060	0.010	4990811
MeFOSAA	mg/kg	0.0026 J (1)	0.0019	0.0072	0.012	0.0060 U (1)	0.0016	0.0060	0.010	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.0042 J (1)	0.0020	0.0072	0.012	0.0060 U (1)	0.0017	0.0060	0.010	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.047 (1)	0.0016	0.0048	0.012	0.013 (1)	0.0013	0.0040	0.010	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.11 (1)	0.0026	0.0072	0.012	0.0049 J (1)	0.0022	0.0060	0.010	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.0054 J (1)	0.0020	0.0072	0.012	0.0036 J (1)	0.0017	0.0060	0.010	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.062 (1)	0.0028	0.0072	0.012	0.025 (1)	0.0023	0.0060	0.010	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.024 (1)	0.0023	0.0072	0.012	0.026 (1)	0.0019	0.0060	0.010	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.011 J (1)	0.0031	0.0072	0.012	0.0052 J (1)	0.0026	0.0060	0.010	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.0060 J (1)	0.0020	0.0072	0.012	0.0044 J (1)	0.0017	0.0060	0.010	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	8.2 (2)	0.25	0.72	1.2	3.2 (2)	0.21	0.60	1.0	4990811
Perfluorotetradecanoic Acid	mg/kg	0.038 (1)	0.0013	0.0048	0.012	0.0021 J (1)	0.0011	0.0040	0.010	4990811
Perfluorotridecanoic Acid	mg/kg	0.037 (1)	0.0014	0.0048	0.012	0.0017 J (1)	0.0012	0.0040	0.010	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.044 (1)	0.0022	0.0072	0.012	0.0062 J (1)	0.0018	0.0060	0.010	4990811
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	99				110				4990811
13C2-8:2 Fluorotelomer sulfonate	%	116				112				4990811
13C2-Perfluorodecanoic acid	%	95				108				4990811
13C2-Perfluorododecanoic acid	%	94				115				4990811
13C2-Perfluorohexanoic acid	%	103				120				4990811
13C2-perfluorotetradecanoic acid	%	100				107				4990811
13C2-Perfluoroundecanoic acid	%	96				110				4990811
13C4-Perfluoroheptanoic acid	%	99				119				4990811
13C4-Perfluorooctanesulfonate	%	118				110				4990811
13C4-Perfluorooctanoic acid	%	111				120				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentrations of the target analytes, sample required 1000x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI401				EJI402				
Sampling Date		2017/05/08 12:40				2017/05/08 12:55				
COC Number		na				na				
	UNITS	FRCHD05-SO-001	DL	LOD	LOQ	FRCHD05-SO-003	DL	LOD	LOQ	QC Batch
13C5-Perfluorononanoic acid	%	97				116				4990811
18O2-Perfluorohexanesulfonate	%	98				118				4990811
D3-MeFOSAA	%	123				122				4990811
D5-EtFOSAA	%	119				118				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI404				EJI405				
Sampling Date		2017/05/11 00:00				2017/05/09 12:15				
COC Number		na				na				
	UNITS	FRCHD-FD-SO-01	DL	LOD	LOQ	FRCHD02-SO-001	DL	LOD	LOQ	QC Batch
Moisture	%	27	0.50	N/A	1.0	8.6	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.52 (1)	0.0028	0.0072	0.012	0.00035 J	0.00022	0.00057	0.00095	4990811
8:2 Fluorotelomer sulfonate	mg/kg	1.2 J (2)	0.38	0.72	1.2	0.00057 U	0.00030	0.00057	0.00095	4990811
EtFOSAA	mg/kg	0.0029 J (1)	0.0019	0.0072	0.012	0.00057 U	0.00015	0.00057	0.00095	4990811
MeFOSAA	mg/kg	0.0031 J (1)	0.0019	0.0072	0.012	0.00057 U	0.00015	0.00057	0.00095	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.0072 U (1)	0.0020	0.0072	0.012	0.00057 U	0.00016	0.00057	0.00095	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.050 (1)	0.0016	0.0048	0.012	0.00028 J	0.00012	0.00038	0.00095	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.12 (1)	0.0026	0.0072	0.012	0.00057 U	0.00021	0.00057	0.00095	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.0052 J (1)	0.0020	0.0072	0.012	0.00057 U	0.00016	0.00057	0.00095	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.058 (1)	0.0028	0.0072	0.012	0.00089 J	0.00022	0.00057	0.00095	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.026 (1)	0.0023	0.0072	0.012	0.00025 J	0.00018	0.00057	0.00095	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.011 J (1)	0.0031	0.0072	0.012	0.00026 J	0.00025	0.00057	0.00095	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.0058 J (1)	0.0020	0.0072	0.012	0.00055 J	0.00016	0.00057	0.00095	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	6.9 (2)	0.25	0.72	1.2	0.028	0.00020	0.00057	0.00095	4990811
Perfluorotetradecanoic Acid	mg/kg	0.034 (1)	0.0013	0.0048	0.012	0.00038 U	0.00010	0.00038	0.00095	4990811
Perfluorotridecanoic Acid	mg/kg	0.037 (1)	0.0014	0.0048	0.012	0.00038 U	0.00011	0.00038	0.00095	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.045 (1)	0.0022	0.0072	0.012	0.00057 U	0.00017	0.00057	0.00095	4990811
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	106				105				4990811
13C2-8:2 Fluorotelomer sulfonate	%	105				106				4990811
13C2-Perfluorodecanoic acid	%	124				107				4990811
13C2-Perfluorododecanoic acid	%	113				95				4990811
13C2-Perfluorohexanoic acid	%	119				107				4990811
13C2-perfluorotetradecanoic acid	%	119				90				4990811
13C2-Perfluoroundecanoic acid	%	119				97				4990811
13C4-Perfluoroheptanoic acid	%	127				109				4990811
13C4-Perfluorooctanesulfonate	%	117				112				4990811
13C4-Perfluorooctanoic acid	%	130				112				4990811
13C5-Perfluorononanoic acid	%	119				103				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentrations of the target analytes, sample required 1000x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI404				EJI405				
Sampling Date		2017/05/11 00:00				2017/05/09 12:15				
COC Number		na				na				
	UNITS	FRCHD-FD-SO-01	DL	LOD	LOQ	FRCHD02-SO-001	DL	LOD	LOQ	QC Batch
18O2-Perfluorohexanesulfonate	%	116				102				4990811
D3-MeFOSAA	%	141				100				4990811
D5-EtFOSAA	%	145				103				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI406				
Sampling Date		2017/05/09 12:00				
COC Number		na				
	UNITS	FRCHD02-SO-003	DL	LOD	LOQ	QC Batch
Moisture	%	12	0.50	N/A	1.0	4998539
6:2 Fluorotelomer sulfonate	mg/kg	0.0082	0.00023	0.00060	0.0010	4994375
8:2 Fluorotelomer sulfonate	mg/kg	0.047	0.00032	0.00060	0.0010	4994375
EtFOSAA	mg/kg	0.00060 U	0.00016	0.00060	0.0010	4994375
MeFOSAA	mg/kg	0.00060 U	0.00016	0.00060	0.0010	4994375
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00060 U	0.00017	0.00060	0.0010	4994375
Perfluorodecanoic Acid (PFDA)	mg/kg	0.0071	0.00013	0.00040	0.0010	4994375
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.0039	0.00022	0.00060	0.0010	4994375
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00033 J	0.00017	0.00060	0.0010	4994375
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.0062	0.00023	0.00060	0.0010	4994375
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.0015	0.00019	0.00060	0.0010	4994375
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.0016	0.00026	0.00060	0.0010	4994375
Perfluorononanoic Acid (PFNA)	mg/kg	0.0012	0.00017	0.00060	0.0010	4994375
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.79 (1)	0.021	0.060	0.10	4994375
Perfluorotetradecanoic Acid	mg/kg	0.00096 J	0.00011	0.00040	0.0010	4994375
Perfluorotridecanoic Acid	mg/kg	0.00098 J	0.00012	0.00040	0.0010	4994375
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.0026	0.00018	0.00060	0.0010	4994375
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	92				4994375
13C2-8:2 Fluorotelomer sulfonate	%	97				4994375
13C2-Perfluorodecanoic acid	%	85				4994375
13C2-Perfluorododecanoic acid	%	64				4994375
13C2-Perfluorohexanoic acid	%	89				4994375
13C2-perfluorotetradecanoic acid	%	52				4994375
13C2-Perfluoroundecanoic acid	%	75				4994375
13C4-Perfluoroheptanoic acid	%	91				4994375
13C4-Perfluorooctanesulfonate	%	100				4994375
13C4-Perfluorooctanoic acid	%	92				4994375
13C5-Perfluorononanoic acid	%	88				4994375
18O2-Perfluorohexanesulfonate	%	89				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 100x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI406				
Sampling Date		2017/05/09 12:00				
COC Number		na				
	UNITS	FRCHD02-SO-003	DL	LOD	LOQ	QC Batch
D3-MeFOSAA	%	74				4994375
D5-EtFOSAA	%	77				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI407				
Sampling Date		2017/05/10 10:48				
COC Number		na				
	UNITS	FRCHD02-SO-004	DL	LOD	LOQ	QC Batch
Moisture	%	8.2	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.0054	0.00023	0.00060	0.0010	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.0020	0.00032	0.00060	0.0010	4990811
EtFOSAA	mg/kg	0.00060 U	0.00016	0.00060	0.0010	4990811
MeFOSAA	mg/kg	0.00060 U	0.00016	0.00060	0.0010	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00060 U	0.00017	0.00060	0.0010	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00021 J	0.00013	0.00040	0.0010	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00060 U	0.00022	0.00060	0.0010	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00060 U	0.00017	0.00060	0.0010	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.0015	0.00023	0.00060	0.0010	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00030 J	0.00019	0.00060	0.0010	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00030 J	0.00026	0.00060	0.0010	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.00060 U	0.00017	0.00060	0.0010	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.051 (1)	0.0021	0.0060	0.010	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00040 U	0.00011	0.00040	0.0010	4990811
Perfluorotridecanoic Acid	mg/kg	0.00040 U	0.00012	0.00040	0.0010	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00060 U	0.00018	0.00060	0.0010	4990811
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	122				4990811
13C2-8:2 Fluorotelomer sulfonate	%	112				4990811
13C2-Perfluorodecanoic acid	%	118				4990811
13C2-Perfluorododecanoic acid	%	102				4990811
13C2-Perfluorohexanoic acid	%	129				4990811
13C2-perfluorotetradecanoic acid	%	96				4990811
13C2-Perfluoroundecanoic acid	%	110				4990811
13C4-Perfluoroheptanoic acid	%	126				4990811
13C4-Perfluorooctanesulfonate	%	102				4990811
13C4-Perfluorooctanoic acid	%	129				4990811
13C5-Perfluorononanoic acid	%	123				4990811
18O2-Perfluorohexanesulfonate	%	127				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentrations of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI407				
Sampling Date		2017/05/10 10:48				
COC Number		na				
	UNITS	FRCHD02-SO-004	DL	LOD	LOQ	QC Batch
D3-MeFOSAA	%	104				4990811
D5-EtFOSAA	%	93				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI413				
Sampling Date		2017/05/09 00:00				
COC Number		na				
	UNITS	FRCHD-FD-SO-02	DL	LOD	LOQ	QC Batch
Moisture	%	7.2	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.00049 U	0.00019	0.00049	0.00081	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.00048 J (1)	0.00030	0.00057	0.00095	5023570
EtFOSAA	mg/kg	0.00049 U	0.00013	0.00049	0.00081	4990811
MeFOSAA	mg/kg	0.00049 U	0.00013	0.00049	0.00081	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00049 U	0.00014	0.00049	0.00081	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00033 J (1)	0.00012	0.00038	0.00095	5023570
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00049 U	0.00018	0.00049	0.00081	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00057 U (1)	0.00016	0.00057	0.00095	5023570
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.00077 J	0.00019	0.00049	0.00081	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00019 J	0.00015	0.00049	0.00081	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00026 J (1)	0.00025	0.00057	0.00095	5023570
Perfluorononanoic Acid (PFNA)	mg/kg	0.00046 J (1)	0.00016	0.00057	0.00095	5023570
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.021 (1)	0.00020	0.00057	0.00095	5023570
Perfluorotetradecanoic Acid	mg/kg	0.00032 U	0.000089	0.00032	0.00081	4990811
Perfluorotridecanoic Acid	mg/kg	0.00032 U	0.000097	0.00032	0.00081	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00030 J	0.00015	0.00049	0.00081	4990811
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	146				4990811
13C2-8:2 Fluorotelomer sulfonate	%	68				5023570
13C2-Perfluorodecanoic acid	%	79				5023570
13C2-Perfluorododecanoic acid	%	139				4990811
13C2-Perfluorohexanoic acid	%	148				4990811
13C2-perfluorotetradecanoic acid	%	125				4990811
13C2-Perfluoroundecanoic acid	%	145				4990811
13C4-Perfluoroheptanoic acid	%	73				5023570
13C4-Perfluorooctanesulfonate	%	82				5023570
13C4-Perfluorooctanoic acid	%	86				5023570

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Analysis was performed past the method defined holding time. Because of their chemical structure, PFCs are chemically and biologically stable in the environment and resist typical environmental degradation processes. This would suggest a hold time exceedance would not have a significant impact on the data.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI413				
Sampling Date		2017/05/09 00:00				
COC Number		na				
	UNITS	FRCHD-FD-SO-02	DL	LOD	LOQ	QC Batch
13C5-Perfluorononanoic acid	%	81				5023570
18O2-Perfluorohexanesulfonate	%	123				4990811
D3-MeFOSAA	%	126				4990811
D5-EtFOSAA	%	126				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI414				EJI415				
Sampling Date		2017/05/11 10:50				2017/05/11 09:40				
COC Number		na				na				
	UNITS	FRCHD03-SO-002	DL	LOD	LOQ	FRCHD05-SO-004	DL	LOD	LOQ	QC Batch
Moisture	%	8.9	0.50	N/A	1.0	20	0.50	N/A	1.0	4998539
6:2 Fluorotelomer sulfonate	mg/kg	0.0013	0.00019	0.00050	0.00084	0.039	0.00023	0.00060	0.0010	4994375
8:2 Fluorotelomer sulfonate	mg/kg	0.00045 J	0.00027	0.00050	0.00084	0.082 (1)	0.0032	0.0060	0.010	4994375
EtFOSAA	mg/kg	0.00050 U	0.00013	0.00050	0.00084	0.00060 U	0.00016	0.00060	0.0010	4994375
MeFOSAA	mg/kg	0.00050 U	0.00013	0.00050	0.00084	0.00060 U	0.00016	0.00060	0.0010	4994375
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00050 U	0.00014	0.00050	0.00084	0.0043	0.00017	0.00060	0.0010	4994375
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00034 U	0.00011	0.00034	0.00084	0.00040 U	0.00013	0.00040	0.0010	4994375
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00050 U	0.00018	0.00050	0.00084	0.00060 U	0.00022	0.00060	0.0010	4994375
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00050 U	0.00014	0.00050	0.00084	0.0021	0.00017	0.00060	0.0010	4994375
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.00038 J	0.00019	0.00050	0.00084	0.11 (1)	0.0023	0.0060	0.010	4994375
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00050 U	0.00016	0.00050	0.00084	0.0079	0.00019	0.00060	0.0010	4994375
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00027 J	0.00022	0.00050	0.00084	0.0065	0.00026	0.00060	0.0010	4994375
Perfluorononanoic Acid (PFNA)	mg/kg	0.00050 U	0.00014	0.00050	0.00084	0.00054 J	0.00017	0.00060	0.0010	4994375
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.0097	0.00018	0.00050	0.00084	0.61 (2)	0.021	0.060	0.10	4994375
Perfluorotetradecanoic Acid	mg/kg	0.00034 U	0.000092	0.00034	0.00084	0.00040 U	0.00011	0.00040	0.0010	4994375
Perfluorotridecanoic Acid	mg/kg	0.00034 U	0.00010	0.00034	0.00084	0.00040 U	0.00012	0.00040	0.0010	4994375
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00050 U	0.00015	0.00050	0.00084	0.00060 U	0.00018	0.00060	0.0010	4994375
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	95				83				4994375
13C2-8:2 Fluorotelomer sulfonate	%	87				74				4994375
13C2-Perfluorodecanoic acid	%	84				82				4994375
13C2-Perfluorododecanoic acid	%	78				71				4994375
13C2-Perfluorohexanoic acid	%	88				89				4994375
13C2-perfluorotetradecanoic acid	%	78				72				4994375
13C2-Perfluoroundecanoic acid	%	81				75				4994375
13C4-Perfluoroheptanoic acid	%	85				83				4994375
13C4-Perfluorooctanesulfonate	%	86				88				4994375
13C4-Perfluorooctanoic acid	%	86				86				4994375
13C5-Perfluorononanoic acid	%	87				86				4994375
18O2-Perfluorohexanesulfonate	%	92				71				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 100x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI414				EJI415				
Sampling Date		2017/05/11 10:50				2017/05/11 09:40				
COC Number		na				na				
	UNITS	FRCHD03-SO-002	DL	LOD	LOQ	FRCHD05-SO-004	DL	LOD	LOQ	QC Batch
D3-MeFOSAA	%	74				64				4994375
D5-EtFOSAA	%	76				63				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI416				EJI417				
Sampling Date		2017/05/10 13:30				2017/05/10 13:37				
COC Number		na				na				
	UNITS	FRCHD01-SO-001	DL	LOD	LOQ	FRCHD01-SO-002	DL	LOD	LOQ	QC Batch
Moisture	%	18	0.50	N/A	1.0	27	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	1.9 (1)	0.022	0.057	0.095	1.1 (1)	0.025	0.066	0.11	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.0045 J (2)	0.0030	0.0057	0.0095	0.0053 J (2)	0.0035	0.0066	0.011	4990811
EtFOSAA	mg/kg	0.0057 U (2)	0.0015	0.0057	0.0095	0.0066 U (2)	0.0018	0.0066	0.011	4990811
MeFOSAA	mg/kg	0.0057 U (2)	0.0015	0.0057	0.0095	0.0066 U (2)	0.0018	0.0066	0.011	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.036 (2)	0.0016	0.0057	0.0095	0.025 (2)	0.0019	0.0066	0.011	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.0038 U (2)	0.0012	0.0038	0.0095	0.0044 U (2)	0.0014	0.0044	0.011	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.0057 U (2)	0.0021	0.0057	0.0095	0.0066 U (2)	0.0024	0.0066	0.011	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.040 (2)	0.0016	0.0057	0.0095	0.033 (2)	0.0019	0.0066	0.011	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.56 (1)	0.022	0.057	0.095	0.28 (2)	0.0025	0.0066	0.011	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.19 (2)	0.0018	0.0057	0.0095	0.22 (2)	0.0021	0.0066	0.011	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.11 (2)	0.0025	0.0057	0.0095	0.069 (2)	0.0029	0.0066	0.011	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.0058 J (2)	0.0016	0.0057	0.0095	0.0025 J (2)	0.0019	0.0066	0.011	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	1.8 (1)	0.020	0.057	0.095	0.51 (2)	0.0023	0.0066	0.011	4990811
Perfluorotetradecanoic Acid	mg/kg	0.0038 U (2)	0.0010	0.0038	0.0095	0.0044 U (2)	0.0012	0.0044	0.011	4990811
Perfluorotridecanoic Acid	mg/kg	0.0015 J (2)	0.0011	0.0038	0.0095	0.0044 U (2)	0.0013	0.0044	0.011	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.0057 U (2)	0.0017	0.0057	0.0095	0.0066 U (2)	0.0020	0.0066	0.011	4990811
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	110				119				4990811
13C2-8:2 Fluorotelomer sulfonate	%	123				107				4990811
13C2-Perfluorodecanoic acid	%	126				111				4990811
13C2-Perfluorododecanoic acid	%	123				105				4990811
13C2-Perfluorohexanoic acid	%	124				108				4990811
13C2-perfluorotetradecanoic acid	%	123				112				4990811
13C2-Perfluoroundecanoic acid	%	128				107				4990811
13C4-Perfluoroheptanoic acid	%	119				108				4990811
13C4-Perfluorooctanesulfonate	%	116				107				4990811
13C4-Perfluorooctanoic acid	%	124				107				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentrations of the target analytes, sample required 100x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentrations of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI416				EJI417				
Sampling Date		2017/05/10 13:30				2017/05/10 13:37				
COC Number		na				na				
	UNITS	FRCHD01-SO-001	DL	LOD	LOQ	FRCHD01-SO-002	DL	LOD	LOQ	QC Batch
13C5-Perfluorononanoic acid	%	123				108				4990811
18O2-Perfluorohexanesulfonate	%	110				107				4990811
D3-MeFOSAA	%	125				113				4990811
D5-EtFOSAA	%	123				112				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI418				
Sampling Date		2017/05/10 14:00				
COC Number		na				
	UNITS	FRCHD01-SO-003	DL	LOD	LOQ	QC Batch
Moisture	%	2.6	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.00079	0.00018	0.00047	0.00078	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.0072	0.00025	0.00047	0.00078	4990811
EtFOSAA	mg/kg	0.00018 J	0.00012	0.00047	0.00078	4990811
MeFOSAA	mg/kg	0.00047 U	0.00012	0.00047	0.00078	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00047 U	0.00013	0.00047	0.00078	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00044 J	0.00010	0.00031	0.00078	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.0028	0.00017	0.00047	0.00078	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00033 J	0.00013	0.00047	0.00078	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.00080	0.00018	0.00047	0.00078	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00040 J	0.00015	0.00047	0.00078	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00046 J	0.00020	0.00047	0.00078	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.00013 J	0.00013	0.00047	0.00078	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.0088	0.00016	0.00047	0.00078	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00026 J	0.000086	0.00031	0.00078	4990811
Perfluorotridecanoic Acid	mg/kg	0.0013	0.000094	0.00031	0.00078	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.0065	0.00014	0.00047	0.00078	4990811
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	127				4990811
13C2-8:2 Fluorotelomer sulfonate	%	119				4990811
13C2-Perfluorodecanoic acid	%	119				4990811
13C2-Perfluorododecanoic acid	%	103				4990811
13C2-Perfluorohexanoic acid	%	124				4990811
13C2-perfluorotetradecanoic acid	%	99				4990811
13C2-Perfluoroundecanoic acid	%	116				4990811
13C4-Perfluoroheptanoic acid	%	131				4990811
13C4-Perfluorooctanesulfonate	%	118				4990811
13C4-Perfluorooctanoic acid	%	132				4990811
13C5-Perfluorononanoic acid	%	130				4990811
18O2-Perfluorohexanesulfonate	%	122				4990811
D3-MeFOSAA	%	114				4990811
D5-EtFOSAA	%	114				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI419				
Sampling Date		2017/05/10 14:20				
COC Number		na				
	UNITS	FRCHD01-SO-004	DL	LOD	LOQ	QC Batch
Moisture	%	15	0.50	N/A	1.0	4998539
6:2 Fluorotelomer sulfonate	mg/kg	0.036	0.00025	0.00066	0.0011	4994375
8:2 Fluorotelomer sulfonate	mg/kg	1.0 (1)	0.035	0.066	0.11	4994375
EtFOSAA	mg/kg	0.00033 J	0.00018	0.00066	0.0011	4994375
MeFOSAA	mg/kg	0.00049 J	0.00018	0.00066	0.0011	4994375
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.0022	0.00019	0.00066	0.0011	4994375
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00088 J	0.00014	0.00044	0.0011	4994375
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00066 U	0.00024	0.00066	0.0011	4994375
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.0059	0.00019	0.00066	0.0011	4994375
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.13 (2)	0.0025	0.0066	0.011	4994375
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.017	0.00021	0.00066	0.0011	4994375
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.026	0.00029	0.00066	0.0011	4994375
Perfluorononanoic Acid (PFNA)	mg/kg	0.0037	0.00019	0.00066	0.0011	4994375
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.98 (1)	0.023	0.066	0.11	4994375
Perfluorotetradecanoic Acid	mg/kg	0.00044 U	0.00012	0.00044	0.0011	4994375
Perfluorotridecanoic Acid	mg/kg	0.00044 U	0.00013	0.00044	0.0011	4994375
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00066 U	0.00020	0.00066	0.0011	4994375
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	84				4994375
13C2-8:2 Fluorotelomer sulfonate	%	96				4994375
13C2-Perfluorodecanoic acid	%	84				4994375
13C2-Perfluorododecanoic acid	%	77				4994375
13C2-Perfluorohexanoic acid	%	86				4994375
13C2-perfluorotetradecanoic acid	%	68				4994375
13C2-Perfluoroundecanoic acid	%	78				4994375
13C4-Perfluoroheptanoic acid	%	95				4994375
13C4-Perfluorooctanesulfonate	%	89				4994375
13C4-Perfluorooctanoic acid	%	95				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 100x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI419				
Sampling Date		2017/05/10 14:20				
COC Number		na				
	UNITS	FRCHD01-SO-004	DL	LOD	LOQ	QC Batch
13C5-Perfluorononanoic acid	%	80				4994375
18O2-Perfluorohexanesulfonate	%	78				4994375
D3-MeFOSAA	%	73				4994375
D5-EtFOSAA	%	70				4994375

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI421				EJI423				
Sampling Date		2017/05/10 12:30				2017/05/11 09:15				
COC Number		na				na				
	UNITS	FRCHD02-SO-002	DL	LOD	LOQ	FRCHD05-SO-002	DL	LOD	LOQ	QC Batch
Moisture	%	12	0.50	N/A	1.0	20	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.0039	0.00022	0.00058	0.00096	0.011	0.00025	0.00066	0.0011	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.00058 U	0.00031	0.00058	0.00096	0.0052	0.00035	0.00066	0.0011	4990811
EtFOSAA	mg/kg	0.00058 U	0.00015	0.00058	0.00096	0.00066 U	0.00018	0.00066	0.0011	4990811
MeFOSAA	mg/kg	0.00058 U	0.00015	0.00058	0.00096	0.00066 U	0.00018	0.00066	0.0011	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00060 J	0.00016	0.00058	0.00096	0.00088 J	0.00019	0.00066	0.0011	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00038 U	0.00012	0.00038	0.00096	0.00021 J	0.00014	0.00044	0.0011	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00058 U	0.00021	0.00058	0.00096	0.00053 J	0.00024	0.00066	0.0011	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00073 J	0.00016	0.00058	0.00096	0.00050 J	0.00019	0.00066	0.0011	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.017	0.00022	0.00058	0.00096	0.0072	0.00025	0.00066	0.0011	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.0014	0.00018	0.00058	0.00096	0.0025	0.00021	0.00066	0.0011	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00048 J	0.00025	0.00058	0.00096	0.00094 J	0.00029	0.00066	0.0011	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.00058 U	0.00016	0.00058	0.00096	0.00066 U	0.00019	0.00066	0.0011	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.00076 J	0.00020	0.00058	0.00096	0.070 (1)	0.0023	0.0066	0.011	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00038 U	0.00011	0.00038	0.00096	0.00031 J	0.00012	0.00044	0.0011	4990811
Perfluorotridecanoic Acid	mg/kg	0.00038 U	0.00012	0.00038	0.00096	0.00032 J	0.00013	0.00044	0.0011	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00058 U	0.00017	0.00058	0.00096	0.00033 J	0.00020	0.00066	0.0011	4990811
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	124				123				4990811
13C2-8:2 Fluorotelomer sulfonate	%	121				118				4990811
13C2-Perfluorodecanoic acid	%	114				123				4990811
13C2-Perfluorododecanoic acid	%	105				109				4990811
13C2-Perfluorohexanoic acid	%	118				124				4990811
13C2-perfluorotetradecanoic acid	%	96				120				4990811
13C2-Perfluoroundecanoic acid	%	103				118				4990811
13C4-Perfluoroheptanoic acid	%	114				127				4990811
13C4-Perfluorooctanesulfonate	%	107				55				4990811
13C4-Perfluorooctanoic acid	%	118				132				4990811
13C5-Perfluorononanoic acid	%	111				120				4990811
18O2-Perfluorohexanesulfonate	%	120				127				4990811
D3-MeFOSAA	%	100				112				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentrations of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI421				EJI423				
Sampling Date		2017/05/10 12:30				2017/05/11 09:15				
COC Number		na				na				
	UNITS	FRCHD02-SO-002	DL	LOD	LOQ	FRCHD05-SO-002	DL	LOD	LOQ	QC Batch
D5-EtFOSAA	%	100				115				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI424				EJI425				
Sampling Date		2017/05/11 11:45				2017/05/11 00:00				
COC Number		na				na				
	UNITS	FRCHD03-SO-004	DL	LOD	LOQ	FRCHD-FD-SO-03	DL	LOD	LOQ	QC Batch
Moisture	%	22	0.50	N/A	1.0	19	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.00066 U	0.00025	0.00066	0.0011	0.018	0.00023	0.00060	0.0010	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.00066 U	0.00035	0.00066	0.0011	0.011	0.00032	0.00060	0.0010	4990811
EtFOSAA	mg/kg	0.00066 U	0.00018	0.00066	0.0011	0.00060 U	0.00016	0.00060	0.0010	4990811
MeFOSAA	mg/kg	0.00066 U	0.00018	0.00066	0.0011	0.00060 U	0.00016	0.00060	0.0010	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00066 U	0.00019	0.00066	0.0011	0.00076 J	0.00017	0.00060	0.0010	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00044 U	0.00014	0.00044	0.0011	0.00044 J	0.00013	0.00040	0.0010	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00066 U	0.00024	0.00066	0.0011	0.00030 J	0.00022	0.00060	0.0010	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00086 J	0.00019	0.00066	0.0011	0.00045 J	0.00017	0.00060	0.0010	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.00087 J	0.00025	0.00066	0.0011	0.0068	0.00023	0.00060	0.0010	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00043 J	0.00021	0.00066	0.0011	0.0023	0.00019	0.00060	0.0010	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.0019	0.00029	0.00066	0.0011	0.00099 J	0.00026	0.00060	0.0010	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.00066 U	0.00019	0.00066	0.0011	0.00020 J	0.00017	0.00060	0.0010	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.025	0.00023	0.00066	0.0011	0.15 (1)	0.0021	0.0060	0.010	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00044 U	0.00012	0.00044	0.0011	0.00018 J	0.00011	0.00040	0.0010	4990811
Perfluorotridecanoic Acid	mg/kg	0.00044 U	0.00013	0.00044	0.0011	0.00023 J	0.00012	0.00040	0.0010	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00066 U	0.00020	0.00066	0.0011	0.00043 J	0.00018	0.00060	0.0010	4990811
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	106				98				4990811
13C2-8:2 Fluorotelomer sulfonate	%	106				92				4990811
13C2-Perfluorodecanoic acid	%	90				107				4990811
13C2-Perfluorododecanoic acid	%	87				89				4990811
13C2-Perfluorohexanoic acid	%	107				111				4990811
13C2-perfluorotetradecanoic acid	%	88				90				4990811
13C2-Perfluoroundecanoic acid	%	94				94				4990811
13C4-Perfluoroheptanoic acid	%	111				116				4990811
13C4-Perfluorooctanesulfonate	%	104				54				4990811
13C4-Perfluorooctanoic acid	%	108				112				4990811
13C5-Perfluorononanoic acid	%	110				109				4990811
18O2-Perfluorohexanesulfonate	%	101				107				4990811
D3-MeFOSAA	%	95				91				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentrations of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI424				EJI425				
Sampling Date		2017/05/11 11:45				2017/05/11 00:00				
COC Number		na				na				
	UNITS	FRCHD03-SO-004	DL	LOD	LOQ	FRCHD-FD-SO-03	DL	LOD	LOQ	QC Batch
D5-EtFOSAA	%	91				88				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI428				
Sampling Date		2017/05/11 13:50				
COC Number		na				
	UNITS	FRCHD04-SO-004	DL	LOD	LOQ	QC Batch
Moisture	%	13	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.00081 J	0.00023	0.00059	0.00099	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.00059 U	0.00032	0.00059	0.00099	4990811
EtFOSAA	mg/kg	0.00059 U	0.00016	0.00059	0.00099	4990811
MeFOSAA	mg/kg	0.00059 U	0.00016	0.00059	0.00099	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.0024	0.00017	0.00059	0.00099	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00040 U	0.00013	0.00040	0.00099	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00059 U	0.00022	0.00059	0.00099	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.0012	0.00017	0.00059	0.00099	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.029	0.00023	0.00059	0.00099	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.0038	0.00019	0.00059	0.00099	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.0018 (1)	0.00023	0.00052	0.00087	5023570
Perfluorononanoic Acid (PFNA)	mg/kg	0.00059 U	0.00017	0.00059	0.00099	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.0018	0.00021	0.00059	0.00099	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00040 U	0.00011	0.00040	0.00099	4990811
Perfluorotridecanoic Acid	mg/kg	0.00040 U	0.00012	0.00040	0.00099	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00059 U	0.00018	0.00059	0.00099	4990811
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	149				4990811
13C2-8:2 Fluorotelomer sulfonate	%	128				4990811
13C2-Perfluorodecanoic acid	%	137				4990811
13C2-Perfluorododecanoic acid	%	106				4990811
13C2-Perfluorohexanoic acid	%	138				4990811
13C2-perfluorotetradecanoic acid	%	106				4990811
13C2-Perfluoroundecanoic acid	%	121				4990811
13C4-Perfluoroheptanoic acid	%	147				4990811
13C4-Perfluorooctanesulfonate	%	139				4990811
13C4-Perfluorooctanoic acid	%	71				5023570

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Analysis was performed past the method defined holding time. Because of their chemical structure, PFCs are chemically and biologically stable in the environment and resist typical environmental degradation processes. This would suggest a hold time exceedance would not have a significant impact on the data.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI428				
Sampling Date		2017/05/11 13:50				
COC Number		na				
	UNITS	FRCHD04-SO-004	DL	LOD	LOQ	QC Batch
13C5-Perfluorononanoic acid	%	132				4990811
18O2-Perfluorohexanesulfonate	%	136				4990811
D3-MeFOSAA	%	116				4990811
D5-EtFOSAA	%	113				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI429				EJI431				
Sampling Date		2017/05/11 14:40				2017/05/11 12:55				
COC Number		na				na				
	UNITS	FRCHD04-SO-002	DL	LOD	LOQ	FRCHD03-SO-006	DL	LOD	LOQ	QC Batch
Moisture	%	15	0.50	N/A	1.0	11	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.00047 J	0.00022	0.00058	0.00097	0.0015	0.00020	0.00051	0.00085	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.00058 U	0.00031	0.00058	0.00097	0.0016	0.00027	0.00051	0.00085	4990811
EtFOSAA	mg/kg	0.00058 U	0.00016	0.00058	0.00097	0.00051 U	0.00014	0.00051	0.00085	4990811
MeFOSAA	mg/kg	0.00058 U	0.00016	0.00058	0.00097	0.00051 U	0.00014	0.00051	0.00085	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00037 J	0.00016	0.00058	0.00097	0.00051 U	0.00014	0.00051	0.00085	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00039 U	0.00013	0.00039	0.00097	0.00034 U	0.00011	0.00034	0.00085	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00058 U	0.00021	0.00058	0.00097	0.00051 U	0.00019	0.00051	0.00085	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00056 J	0.00016	0.00058	0.00097	0.00041 J	0.00014	0.00051	0.00085	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.0064	0.00022	0.00058	0.00097	0.0027	0.00020	0.00051	0.00085	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00069 J	0.00018	0.00058	0.00097	0.00051 U	0.00016	0.00051	0.00085	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00065 J	0.00025	0.00058	0.00097	0.0023	0.00022	0.00051	0.00085	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.00020 J	0.00016	0.00058	0.00097	0.00033 J	0.00014	0.00051	0.00085	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.011	0.00020	0.00058	0.00097	0.089 (1)	0.0018	0.0051	0.0085	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00039 U	0.00011	0.00039	0.00097	0.0034 U (2)	0.00094	0.0034	0.0085	4990811
Perfluorotridecanoic Acid	mg/kg	0.00039 U	0.00012	0.00039	0.00097	0.0034 U (2)	0.0010	0.0034	0.0085	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00058 U	0.00017	0.00058	0.00097	0.00051 U	0.00015	0.00051	0.00085	4990811
Surrogate Recovery (%)										
13C2-6:2 Fluorotelomer sulfonate	%	121				128				4990811
13C2-8:2 Fluorotelomer sulfonate	%	109				111				4990811
13C2-Perfluorodecanoic acid	%	119				107				4990811
13C2-Perfluorododecanoic acid	%	104				94				4990811
13C2-Perfluorohexanoic acid	%	121				120				4990811
13C2-perfluorotetradecanoic acid	%	96				104				4990811
13C2-Perfluoroundecanoic acid	%	113				103				4990811
13C4-Perfluoroheptanoic acid	%	125				127				4990811
13C4-Perfluorooctanesulfonate	%	123				102				4990811
13C4-Perfluorooctanoic acid	%	132				125				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentrations of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to matrix interference, the extracted internal standard analyte exhibited low recovery and as such, may not have allowed for accurate recovery correction of the associated native compound. The sample was diluted 10x and detection limit was adjusted accordingly.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca
Maxxam Analytics
647 of 2393

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI429				EJI431				
Sampling Date		2017/05/11 14:40				2017/05/11 12:55				
COC Number		na				na				
	UNITS	FRCHD04-SO-002	DL	LOD	LOQ	FRCHD03-SO-006	DL	LOD	LOQ	QC Batch
13C5-Perfluorononanoic acid	%	119				123				4990811
18O2-Perfluorohexanesulfonate	%	105				99				4990811
D3-MeFOSAA	%	104				101				4990811
D5-EtFOSAA	%	100				100				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF SOIL

Maxxam ID		EJI433				
Sampling Date		2017/05/11 10:20				
COC Number		na				
	UNITS	FRCHD03-SO-001	DL	LOD	LOQ	QC Batch
Moisture	%	8.2	0.50	N/A	1.0	4998298
6:2 Fluorotelomer sulfonate	mg/kg	0.00050 U	0.00019	0.00050	0.00083	4990811
8:2 Fluorotelomer sulfonate	mg/kg	0.00050 U	0.00027	0.00050	0.00083	4990811
EtFOSAA	mg/kg	0.00050 U	0.00013	0.00050	0.00083	4990811
MeFOSAA	mg/kg	0.00050 U	0.00013	0.00050	0.00083	4990811
Perfluorobutane Sulfonate (PFBS)	mg/kg	0.00050 U	0.00014	0.00050	0.00083	4990811
Perfluorodecanoic Acid (PFDA)	mg/kg	0.00019 J	0.00011	0.00033	0.00083	4990811
Perfluorododecanoic Acid (PFDoA)	mg/kg	0.00050 U	0.00018	0.00050	0.00083	4990811
Perfluoroheptanoic Acid (PFHpA)	mg/kg	0.00050 U	0.00014	0.00050	0.00083	4990811
Perfluorohexane Sulfonate (PFHxS)	mg/kg	0.00050 U	0.00019	0.00050	0.00083	4990811
Perfluorohexanoic Acid (PFHxA)	mg/kg	0.00050 U	0.00016	0.00050	0.00083	4990811
Perfluoro-n-Octanoic Acid (PFOA)	mg/kg	0.00050 U	0.00022	0.00050	0.00083	4990811
Perfluorononanoic Acid (PFNA)	mg/kg	0.00075 J	0.00014	0.00050	0.00083	4990811
Perfluorooctane Sulfonate (PFOS)	mg/kg	0.013	0.00017	0.00050	0.00083	4990811
Perfluorotetradecanoic Acid	mg/kg	0.00033 U	0.000091	0.00033	0.00083	4990811
Perfluorotridecanoic Acid	mg/kg	0.00018 J	0.00010	0.00033	0.00083	4990811
Perfluoroundecanoic Acid (PFUnA)	mg/kg	0.00030 J	0.00015	0.00050	0.00083	4990811
Surrogate Recovery (%)						
13C2-6:2 Fluorotelomer sulfonate	%	115				4990811
13C2-8:2 Fluorotelomer sulfonate	%	107				4990811
13C2-Perfluorodecanoic acid	%	112				4990811
13C2-Perfluorododecanoic acid	%	97				4990811
13C2-Perfluorohexanoic acid	%	108				4990811
13C2-perfluorotetradecanoic acid	%	97				4990811
13C2-Perfluoroundecanoic acid	%	106				4990811
13C4-Perfluoroheptanoic acid	%	108				4990811
13C4-Perfluorooctanesulfonate	%	99				4990811
13C4-Perfluorooctanoic acid	%	111				4990811
13C5-Perfluorononanoic acid	%	107				4990811
18O2-Perfluorohexanesulfonate	%	114				4990811
D3-MeFOSAA	%	101				4990811
D5-EtFOSAA	%	101				4990811

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

RESULTS OF ANALYSES OF WATER

Maxxam ID		EJI403	EJI432				
Sampling Date		2017/05/08 15:30	2017/05/11 09:16				
COC Number		na	na				
	UNITS	FRCHD-EB01	FRCHD-EB-02	DL	LOD	LOQ	QC Batch
6:2 Fluorotelomer sulfonate	ug/L	0.0077 J	0.010 U	0.0032	0.010	0.020	4988945
8:2 Fluorotelomer sulfonate	ug/L	0.010 U	0.010 U	0.0036	0.010	0.020	4988945
EtFOSAA	ug/L	0.010 U	0.0064 J	0.0036	0.010	0.020	4988945
MeFOSAA	ug/L	0.010 U	0.010 U	0.0026	0.010	0.020	4988945
Perfluorobutane Sulfonate (PFBS)	ug/L	0.010 U	0.010 U	0.0048	0.010	0.020	4988945
Perfluorodecanoic Acid (PFDA)	ug/L	0.010 U	0.010 U	0.0040	0.010	0.020	4988945
Perfluorododecanoic Acid (PFDoA)	ug/L	0.010 U	0.010 U	0.0028	0.010	0.020	4988945
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.010 U	0.010 U	0.0033	0.010	0.020	4988945
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.0042 J	0.010 U	0.0034	0.010	0.020	4988945
Perfluorohexanoic Acid (PFHxA)	ug/L	0.010 U	0.010 U	0.0029	0.010	0.020	4988945
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.010 U	0.010 U	0.0046	0.010	0.020	4988945
Perfluorononanoic Acid (PFNA)	ug/L	0.010 U	0.010 U	0.0038	0.010	0.020	4988945
Perfluorooctane Sulfonate (PFOS)	ug/L	0.0065 J	0.010 U	0.0026	0.010	0.020	4988945
Perfluorotetradecanoic Acid	ug/L	0.010 U	0.010 U	0.0038	0.010	0.020	4988945
Perfluorotridecanoic Acid	ug/L	0.010 U	0.010 U	0.0033	0.010	0.020	4988945
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.010 U	0.010 U	0.0043	0.010	0.020	4988945
Surrogate Recovery (%)							
13C2-6:2 Fluorotelomer sulfonate	%	98	99				4988945
13C2-8:2 Fluorotelomer sulfonate	%	111	110				4988945
13C2-Perfluorodecanoic acid	%	80	79				4988945
13C2-Perfluorododecanoic acid	%	80	72				4988945
13C2-Perfluorohexanoic acid	%	92	93				4988945
13C2-perfluorotetradecanoic acid	%	74	65				4988945
13C2-Perfluoroundecanoic acid	%	90	74				4988945
13C4-Perfluoroheptanoic acid	%	101	97				4988945
13C4-Perfluorooctanesulfonate	%	92	92				4988945
13C4-Perfluorooctanoic acid	%	100	96				4988945
13C5-Perfluorononanoic acid	%	99	108				4988945
18O2-Perfluorohexanesulfonate	%	103	103				4988945
D3-MeFOSAA	%	76	67				4988945
D5-EtFOSAA	%	73	64				4988945

DL = Detection Limit
LOD = Limit of Detection
LOQ = Limit of Quantitation
QC Batch = Quality Control Batch
N/A = Not Applicable

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

TEST SUMMARY

Maxxam ID: EJI394 **Collected:** 2017/05/08
Sample ID: FRCHD03-GW-001 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI395 **Collected:** 2017/05/08
Sample ID: FRCHD03-SO-003 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998539	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4994375	2017/05/23	2017/05/30	Marian Godax

Maxxam ID: EJI396 **Collected:** 2017/05/08
Sample ID: FRCHD03-SO-005 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI396 Dup **Collected:** 2017/05/08
Sample ID: FRCHD03-SO-005 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani

Maxxam ID: EJI397 **Collected:** 2017/05/08
Sample ID: FRCHD04-SO-001 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998539	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4994375	2017/05/23	2017/05/30	Marian Godax

Maxxam ID: EJI398 **Collected:** 2017/05/08
Sample ID: FRCHD04-SO-003 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

TEST SUMMARY

Maxxam ID: EJI399 **Collected:** 2017/05/08
Sample ID: FRCHD04-SO-005 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI400 **Collected:** 2017/05/08
Sample ID: FRCHD05-GW-002 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI400 Dup **Collected:** 2017/05/08
Sample ID: FRCHD05-GW-002 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI401 **Collected:** 2017/05/08
Sample ID: FRCHD05-SO-001 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI402 **Collected:** 2017/05/08
Sample ID: FRCHD05-SO-003 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI403 **Collected:** 2017/05/08
Sample ID: FRCHD-EB01 **Shipped:**
Matrix: Water **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

TEST SUMMARY

Maxxam ID: EJI404 **Collected:** 2017/05/11
Sample ID: FRCHD-FD-SO-01 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI405 **Collected:** 2017/05/09
Sample ID: FRCHD02-SO-001 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI406 **Collected:** 2017/05/09
Sample ID: FRCHD02-SO-003 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998539	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4994375	2017/05/23	2017/05/30	Marian Godax

Maxxam ID: EJI407 **Collected:** 2017/05/10
Sample ID: FRCHD02-SO-004 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI408 **Collected:** 2017/05/09
Sample ID: FRCHD03-GW-002 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI409 **Collected:** 2017/05/09
Sample ID: FRCHD03-GW-003 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

TEST SUMMARY

Maxxam ID: EJI410 **Collected:** 2017/05/09
Sample ID: FRCHD03-GW-004 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI411 **Collected:** 2017/05/09
Sample ID: FRCHD-FB03 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI412 **Collected:** 2017/05/08
Sample ID: FRCHD-FD-GW-01 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI413 **Collected:** 2017/05/09
Sample ID: FRCHD-FD-SO-02 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI414 **Collected:** 2017/05/11
Sample ID: FRCHD03-SO-002 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998539	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4994375	2017/05/23	2017/05/30	Marian Godax

Maxxam ID: EJI415 **Collected:** 2017/05/11
Sample ID: FRCHD05-SO-004 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998539	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4994375	2017/05/23	2017/05/30	Marian Godax

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

TEST SUMMARY

Maxxam ID: EJI416 **Collected:** 2017/05/10
Sample ID: FRCHD01-SO-001 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI417 **Collected:** 2017/05/10
Sample ID: FRCHD01-SO-002 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI418 **Collected:** 2017/05/10
Sample ID: FRCHD01-SO-003 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI419 **Collected:** 2017/05/10
Sample ID: FRCHD01-SO-004 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998539	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4994375	2017/05/23	2017/05/30	Marian Godax

Maxxam ID: EJI420 **Collected:** 2017/05/10
Sample ID: FRCHD02-GW-001 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI421 **Collected:** 2017/05/10
Sample ID: FRCHD02-SO-002 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

TEST SUMMARY

Maxxam ID: EJI422 **Collected:** 2017/05/10
Sample ID: FRCHD04-GW-003 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI423 **Collected:** 2017/05/11
Sample ID: FRCHD05-SO-002 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI424 **Collected:** 2017/05/11
Sample ID: FRCHD03-SO-004 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI425 **Collected:** 2017/05/11
Sample ID: FRCHD-FD-SO-03 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI426 **Collected:** 2017/05/11
Sample ID: FRCHD05-GW-001 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI427 **Collected:** 2017/05/11
Sample ID: FRCHD-FB-02 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

TEST SUMMARY

Maxxam ID: EJI428 **Collected:** 2017/05/11
Sample ID: FRCHD04-SO-004 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI429 **Collected:** 2017/05/11
Sample ID: FRCHD04-SO-002 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI430 **Collected:** 2017/05/11
Sample ID: FRCHD04-GW-001 **Shipped:**
Matrix: GROUND WATER **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI431 **Collected:** 2017/05/11
Sample ID: FRCHD03-SO-006 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam ID: EJI432 **Collected:** 2017/05/11
Sample ID: FRCHD-EB-02 **Shipped:**
Matrix: Water **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water by SPE/LCMS	LCMS	4988945	2017/05/18	2017/05/23	Daniela Zupu

Maxxam ID: EJI433 **Collected:** 2017/05/11
Sample ID: FRCHD03-SO-001 **Shipped:**
Matrix: Soil **Received:** 2017/05/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	4998298	N/A	2017/05/25	Valentina Kaftani
PFOS and PFOA in soil by SPE/LCMS	LCMS	4990811	2017/05/19	2017/05/24	Anjan Desai

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

GENERAL COMMENTS

Client requested MS/MSD on sample "FRCHD04-SO-001" was not completed. Client confirmation received to proceed without this QC.

Revised Report (17/07/27): Report revised to include extracted internal standard recoveries for PFOS for samples EJI404, EJI401, EJI402.
Sample EJI413, PFOS and PFOA in soil by SPE/LCMS: Test repeated.
Sample EJI428, PFOS and PFOA in soil by SPE/LCMS: Test repeated.

Results relate only to the items tested.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
4988945	DZU	Spiked Blank	13C2-6:2 Fluorotelomer sulfonate	2017/05/23		109	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/23		82	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/23		82	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/23		79	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/23		84	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/23		77	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/23		84	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/23		88	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/23		93	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/23		95	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/23		103	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/23		98	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/23		82	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/23		92	%	70 - 130
			D3-MeFOSAA	2017/05/23		83	%	50 - 150
			D5-EtFOSAA	2017/05/23		79	%	50 - 150
			EtFOSAA	2017/05/23		98	%	70 - 130
			MeFOSAA	2017/05/23		102	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/23		88	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/23		107	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/23		89	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/23		102	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/23		92	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/23		102	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/23		104	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/23		97	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/23		99	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/23		90	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/23		84	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/23		93	%	70 - 130
4988945	DZU	Spiked Blank DUP	13C2-6:2 Fluorotelomer sulfonate	2017/05/23		94	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/23		85	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/23		99	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/23		100	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/23		97	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/23		87	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/23		102	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/23		102	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/23		104	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/23		100	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/23		97	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/23		103	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/23		95	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/23		111	%	70 - 130
			D3-MeFOSAA	2017/05/23		70	%	50 - 150
			D5-EtFOSAA	2017/05/23		69	%	50 - 150
			EtFOSAA	2017/05/23		97	%	70 - 130
			MeFOSAA	2017/05/23		98	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/23		90	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/23		102	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/23		94	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/23		92	%	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluorononanoic Acid (PFNA)	2017/05/23		107	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/23		99	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/23		101	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/23		95	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/23		102	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/23		89	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/23		86	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/23		91	%	70 - 130
4988945	DZU	RPD	6:2 Fluorotelomer sulfonate	2017/05/23	15		%	30
			8:2 Fluorotelomer sulfonate	2017/05/23	19		%	30
			EtFOSAA	2017/05/23	1.0		%	30
			MeFOSAA	2017/05/23	4.6		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/05/23	2.5		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/05/23	5.2		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/05/23	5.0		%	30
			Perfluorohexanoic Acid (PFHxA)	2017/05/23	11		%	30
			Perfluorononanoic Acid (PFNA)	2017/05/23	14		%	30
			Perfluorotetradecanoic Acid	2017/05/23	3.4		%	30
			Perfluorotridecanoic Acid	2017/05/23	2.7		%	30
			Perfluoroundecanoic Acid (PFUnA)	2017/05/23	2.5		%	30
			Perfluorodecanoic Acid (PFDA)	2017/05/23	3.8		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/05/23	1.3		%	30
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/23	2.1		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/05/23	2.4		%	30
4988945	DZU	Method Blank	13C2-6:2 Fluorotelomer sulfonate	2017/05/23		108	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/23		98	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/23		95	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/23		85	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/23		104	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/23		91	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/23		89	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/23		108	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/23		98	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/23		93	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/23		88	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/23		127	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/23	0.0075 J, LOD=0.010		ug/L	
			8:2 Fluorotelomer sulfonate	2017/05/23	0.010 U, LOD=0.010		ug/L	
			D3-MeFOSAA	2017/05/23		78	%	50 - 150
			D5-EtFOSAA	2017/05/23		78	%	50 - 150
			EtFOSAA	2017/05/23	0.010 U, LOD=0.010		ug/L	
			MeFOSAA	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluorobutane Sulfonate (PFBS)	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluoroheptanoic Acid (PFHpA)	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluorohexane Sulfonate (PFHxS)	2017/05/23	0.010 U, LOD=0.010		ug/L	

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluorohexanoic Acid (PFHxA)	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluorononanoic Acid (PFNA)	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluorotetradecanoic Acid	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluorotridecanoic Acid	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluoroundecanoic Acid (PFUnA)	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluorodecanoic Acid (PFDA)	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluorododecanoic Acid (PFDoA)	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/23	0.010 U, LOD=0.010		ug/L	
			Perfluorooctane Sulfonate (PFOS)	2017/05/23	0.010 U, LOD=0.010		ug/L	
4988945	DZU	RPD - Sample/Sample Dup	6:2 Fluorotelomer sulfonate	2017/05/23	33 (1)		%	30
			8:2 Fluorotelomer sulfonate	2017/05/23	12 (1)		%	30
			EtFOSAA	2017/05/23	NC (1)		%	30
			MeFOSAA	2017/05/23	NC (1)		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/05/23	4.7 (1)		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/05/23	25 (1)		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/05/23	5.3 (1)		%	30
			Perfluorohexanoic Acid (PFHxA)	2017/05/23	0.13 (1)		%	30
			Perfluorononanoic Acid (PFNA)	2017/05/23	NC (1)		%	30
			Perfluorotetradecanoic Acid	2017/05/23	NC (1)		%	30
			Perfluorotridecanoic Acid	2017/05/23	NC (1)		%	30
			Perfluoroundecanoic Acid (PFUnA)	2017/05/23	NC (1)		%	30
			Perfluorodecanoic Acid (PFDA)	2017/05/23	NC (1)		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/05/23	NC (1)		%	30
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/23	1.8 (1)		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/05/23	1.7 (2)		%	30
4990811	AD9	Matrix Spike(EJI429)	13C2-6:2 Fluorotelomer sulfonate	2017/05/24		105	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/24		97	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/24		102	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/24		87	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/24		102	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/24		76	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/24		98	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/24		108	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/24		96	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/24		105	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/24		102	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/24		116	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/24		92	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/24		99	%	70 - 130
			D3-MeFOSAA	2017/05/24		86	%	50 - 150
			D5-EtFOSAA	2017/05/24		85	%	50 - 150
			EtFOSAA	2017/05/24		92	%	70 - 130
			MeFOSAA	2017/05/24		93	%	70 - 130

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluorobutane Sulfonate (PFBS)	2017/05/24		82	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/24		94	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/24		91	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/24		98	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/24		94	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/24		103	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/24		87	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/24		89	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/24		75	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/24		100	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/24		95	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/24		113	%	70 - 130
4990811	AD9	Matrix Spike DUP(EJI429)	13C2-6:2 Fluorotelomer sulfonate	2017/05/24		95	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/24		98	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/24		93	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/24		84	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/24		101	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/24		78	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/24		90	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/24		96	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/24		104	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/24		106	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/24		99	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/24		110	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/24		91	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/24		90	%	70 - 130
			D3-MeFOSAA	2017/05/24		86	%	50 - 150
			D5-EtFOSAA	2017/05/24		80	%	50 - 150
			EtFOSAA	2017/05/24		94	%	70 - 130
			MeFOSAA	2017/05/24		92	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/24		87	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/24		98	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/24		88	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/24		93	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/24		92	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/24		95	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/24		89	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/24		97	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/24		84	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/24		97	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/24		89	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/24		100	%	70 - 130
4990811	AD9	MS/MSD RPD	6:2 Fluorotelomer sulfonate	2017/05/24	0.45		%	30
			8:2 Fluorotelomer sulfonate	2017/05/24	9.7		%	30
			EtFOSAA	2017/05/24	1.6		%	30
			MeFOSAA	2017/05/24	1.1		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/05/24	4.9		%	30
			Perfluorodecanoic Acid (PFDA)	2017/05/24	4.3		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/05/24	3.6		%	30
			Perfluorononanoic Acid (PFNA)	2017/05/24	5.1		%	30
			Perfluorotetradecanoic Acid	2017/05/24	2.3		%	30
			Perfluorotridecanoic Acid	2017/05/24	7.9		%	30

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluoroundecanoic Acid (PFUnA)	2017/05/24	2.7		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/05/24	7.8		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/05/24	11		%	30
			Perfluorohexanoic Acid (PFHxA)	2017/05/24	3.0		%	30
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/24	6.3		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/05/24	12		%	30
4990811	AD9	Spiked Blank	13C2-6:2 Fluorotelomer sulfonate	2017/05/24		93	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/24		83	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/24		83	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/24		76	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/24		94	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/24		73	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/24		84	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/24		87	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/24		95	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/24		86	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/24		89	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/24		90	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/24		88	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/24		97	%	70 - 130
			D3-MeFOSAA	2017/05/24		79	%	50 - 150
			D5-EtFOSAA	2017/05/24		73	%	50 - 150
			EtFOSAA	2017/05/24		95	%	70 - 130
			MeFOSAA	2017/05/24		92	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/24		93	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/24		97	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/24		95	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/24		93	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/24		96	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/24		95	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/24		88	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/24		93	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/24		92	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/24		91	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/24		96	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/24		86	%	70 - 130
4990811	AD9	Method Blank	13C2-6:2 Fluorotelomer sulfonate	2017/05/24		96	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/24		104	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/24		90	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/24		75	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/24		99	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/24		77	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/24		82	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/24		104	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/24		85	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/24		101	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/24		99	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/24		98	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			8:2 Fluorotelomer sulfonate	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			D3-MeFOSAA	2017/05/24		79	%	50 - 150
			D5-EtFOSAA	2017/05/24		76	%	50 - 150
			EtFOSAA	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			MeFOSAA	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorobutane Sulfonate (PFBS)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorodecanoic Acid (PFDA)	2017/05/24	0.00040 U, LOD=0.00040		mg/kg	
			Perfluorododecanoic Acid (PFDoA)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorononanoic Acid (PFNA)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorotetradecanoic Acid	2017/05/24	0.00040 U, LOD=0.00040		mg/kg	
			Perfluorotridecanoic Acid	2017/05/24	0.00040 U, LOD=0.00040		mg/kg	
			Perfluoroundecanoic Acid (PFUnA)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluoroheptanoic Acid (PFHpA)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorohexane Sulfonate (PFHxS)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorohexanoic Acid (PFHxA)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorooctane Sulfonate (PFOS)	2017/05/24	0.00060 U, LOD=0.00060		mg/kg	
4994375	M_G	Matrix Spike	13C2-6:2 Fluorotelomer sulfonate	2017/05/30		78	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/30		86	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/30		78	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/30		75	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/30		85	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/30		69	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/30		68	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/30		89	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/30		90	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/30		91	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/30		89	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/30		89	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/30		113	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/30		109	%	70 - 130
			D3-MeFOSAA	2017/05/30		68	%	50 - 150
			D5-EtFOSAA	2017/05/30		68	%	50 - 150
			EtFOSAA	2017/05/30		116	%	70 - 130
			MeFOSAA	2017/05/30		112	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/30		111	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/30		123	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/30		105	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/30		109	%	70 - 130

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluorotetradecanoic Acid	2017/05/30		114	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/30		108	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/30		122	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/30		107	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/30		123	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/30		123	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/30		107	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/30		103	%	70 - 130
4994375	M_G	Matrix Spike DUP	13C2-6:2 Fluorotelomer sulfonate	2017/05/30		87	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/30		88	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/30		88	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/30		73	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/30		98	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/30		69	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/30		74	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/30		101	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/30		99	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/30		101	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/30		101	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/30		102	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/30		111	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/30		123	%	70 - 130
			D3-MeFOSAA	2017/05/30		72	%	50 - 150
			D5-EtFOSAA	2017/05/30		73	%	50 - 150
			EtFOSAA	2017/05/30		112	%	70 - 130
			MeFOSAA	2017/05/30		111	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/30		111	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/30		120	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/30		117	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/30		105	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/30		117	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/30		116	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/30		125	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/30		107	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/30		128	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/30		119	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/30		112	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/30		146 (3)	%	70 - 130
4994375	M_G	MS/MSD RPD	6:2 Fluorotelomer sulfonate	2017/05/30	2.0		%	30
			8:2 Fluorotelomer sulfonate	2017/05/30	11		%	30
			EtFOSAA	2017/05/30	3.2		%	30
			MeFOSAA	2017/05/30	0.72		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/05/30	0.090		%	30
			Perfluorodecanoic Acid (PFDA)	2017/05/30	3.0		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/05/30	11		%	30
			Perfluorononanoic Acid (PFNA)	2017/05/30	3.9		%	30
			Perfluorotetradecanoic Acid	2017/05/30	2.7		%	30
			Perfluorotridecanoic Acid	2017/05/30	6.9		%	30
			Perfluoroundecanoic Acid (PFUnA)	2017/05/30	2.8		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/05/30	0.19		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/05/30	4.0		%	30
			Perfluorohexanoic Acid (PFHxA)	2017/05/30	3.6		%	30

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/30	4.5		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/05/30	35 (3)		%	30
4994375	M_G	Spiked Blank	13C2-6:2 Fluorotelomer sulfonate	2017/05/30		93	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/30		93	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/30		91	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/30		84	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/30		100	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/30		83	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/30		89	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/30		97	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/30		94	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/30		100	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/30		100	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/30		100	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/30		124	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/30		121	%	70 - 130
			D3-MeFOSAA	2017/05/30		79	%	50 - 150
			D5-EtFOSAA	2017/05/30		79	%	50 - 150
			EtFOSAA	2017/05/30		84	%	70 - 130
			MeFOSAA	2017/05/30		88	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/30		113	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/30		123	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/30		117	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/30		111	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/30		122	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/30		115	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/30		116	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/30		118	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/30		115	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/30		110	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/30		112	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/30		119	%	70 - 130
4994375	M_G	Method Blank	13C2-6:2 Fluorotelomer sulfonate	2017/05/30		92	%	50 - 150
			13C2-8:2 Fluorotelomer sulfonate	2017/05/30		91	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/05/30		83	%	50 - 150
			13C2-Perfluorododecanoic acid	2017/05/30		84	%	50 - 150
			13C2-Perfluorohexanoic acid	2017/05/30		91	%	50 - 150
			13C2-perfluorotetradecanoic acid	2017/05/30		85	%	50 - 150
			13C2-Perfluoroundecanoic acid	2017/05/30		83	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/05/30		96	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/05/30		84	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/30		97	%	50 - 150
			13C5-Perfluorononanoic acid	2017/05/30		94	%	50 - 150
			18O2-Perfluorohexanesulfonate	2017/05/30		90	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			8:2 Fluorotelomer sulfonate	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			D3-MeFOSAA	2017/05/30		81	%	50 - 150
			D5-EtFOSAA	2017/05/30		78	%	50 - 150
			EtFOSAA	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			MeFOSAA	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorobutane Sulfonate (PFBS)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorodecanoic Acid (PFDA)	2017/05/30	0.00040 U, LOD=0.00040		mg/kg	
			Perfluorododecanoic Acid (PFDoA)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorononanoic Acid (PFNA)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorotetradecanoic Acid	2017/05/30	0.00040 U, LOD=0.00040		mg/kg	
			Perfluorotridecanoic Acid	2017/05/30	0.00040 U, LOD=0.00040		mg/kg	
			Perfluoroundecanoic Acid (PFUnA)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluoroheptanoic Acid (PFHpA)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorohexane Sulfonate (PFHxS)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorohexanoic Acid (PFHxA)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorooctane Sulfonate (PFOS)	2017/05/30	0.00060 U, LOD=0.00060		mg/kg	
4998298	GG2	RPD - Sample/Sample Dup	Moisture	2017/05/25	0.88		%	20
4998539	NS3	RPD - Sample/Sample Dup	Moisture	2017/05/25	0.82		%	20
5023570	DZU	Matrix Spike	13C2-8:2 Fluorotelomer sulfonate	2017/06/13		84	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/06/13		90	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/06/13		93	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/06/13		85	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/06/13		93	%	50 - 150
			13C5-Perfluorononanoic acid	2017/06/13		86	%	50 - 150
			8:2 Fluorotelomer sulfonate	2017/06/13		110	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/06/13		106	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/06/13		116	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/06/13		108	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/06/13		103	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/06/13		112	%	70 - 130
5023570	DZU	Matrix Spike DUP	13C2-8:2 Fluorotelomer sulfonate	2017/06/13		70	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/06/13		90	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/06/13		82	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/06/13		79	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/06/13		81	%	50 - 150
			13C5-Perfluorononanoic acid	2017/06/13		82	%	50 - 150
			8:2 Fluorotelomer sulfonate	2017/06/13		99	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/06/13		102	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/06/13		106	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/06/13		110	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/06/13		103	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/06/13		108	%	70 - 130

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
5023570	DZU	MS/MSD RPD	8:2 Fluorotelomer sulfonate	2017/06/13	11		%	30
			Perfluorodecanoic Acid (PFDA)	2017/06/13	3.9		%	30
			Perfluorononanoic Acid (PFNA)	2017/06/13	9.7		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/06/13	1.5		%	30
			Perfluoro-n-Octanoic Acid (PFOA)	2017/06/13	0		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/06/13	3.3		%	30
5023570	DZU	Spiked Blank	13C2-8:2 Fluorotelomer sulfonate	2017/06/13		98	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/06/13		91	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/06/13		105	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/06/13		105	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/06/13		112	%	50 - 150
			13C5-Perfluorononanoic acid	2017/06/13		104	%	50 - 150
			8:2 Fluorotelomer sulfonate	2017/06/13		119	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/06/13		103	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/06/13		109	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/06/13		114	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/06/13		106	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/06/13		113	%	70 - 130
5023570	DZU	Method Blank	13C2-8:2 Fluorotelomer sulfonate	2017/06/13		72	%	50 - 150
			13C2-Perfluorodecanoic acid	2017/06/13		81	%	50 - 150
			13C4-Perfluoroheptanoic acid	2017/06/13		96	%	50 - 150
			13C4-Perfluorooctanesulfonate	2017/06/13		94	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/06/13		92	%	50 - 150
			13C5-Perfluorononanoic acid	2017/06/13		92	%	50 - 150
			8:2 Fluorotelomer sulfonate	2017/06/13	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorodecanoic Acid (PFDA)	2017/06/13	0.00040 U, LOD=0.00040		mg/kg	
			Perfluorononanoic Acid (PFNA)	2017/06/13	0.00060 U, LOD=0.00060		mg/kg	
			Perfluoroheptanoic Acid (PFHpA)	2017/06/13	0.00060 U, LOD=0.00060		mg/kg	
			Perfluoro-n-Octanoic Acid (PFOA)	2017/06/13	0.00060 U, LOD=0.00060		mg/kg	
			Perfluorooctane Sulfonate (PFOS)	2017/06/13	0.00060 U, LOD=0.00060		mg/kg	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Due to high concentration of the target analyte, sample required 100x dilution. Detection limit was adjusted accordingly.

(2) Due to high concentration of the target analyte, sample required 1000x dilution. Detection limit was adjusted accordingly.

(3) The recovery was above the upper control limit. This may represent a high bias in some results for this specific analyte. For results that were not detected (ND), this potential bias has no impact.

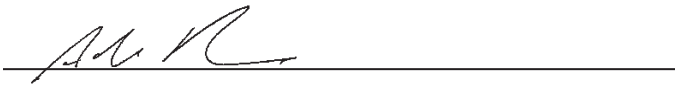
Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B797259
Report Date: 2017/07/27

CT Laboratories LLC
Client Project #: 775303101
Site Location: FAIRCHILD AFB
Your P.O. #: F013900869

VALIDATION SIGNATURE PAGE

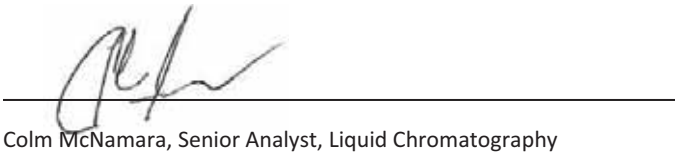
The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Adam Robinson, Supervisor, LC/MS/MS



Brad Newman, Scientific Specialist



Colm McNamara, Senior Analyst, Liquid Chromatography

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca



METHOD 537 Modified

DETERMINATION OF SELECTED PERFLUORINATED ALKYL ACIDS IN DRINKING WATER BY SOLID PHASE EXTRACTION AND LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)

Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com



3.2 Sample Chromatograms

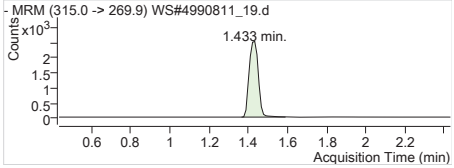
Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

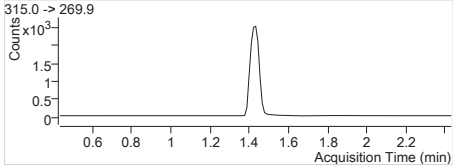
Batch Path T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI396-01**	**Instrument**	LCMS04
Data File	WS#4990811_19.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.19
Acq. Method	PFC_Soil.m	**Position**	P2-B5
Acq. Date	2017/05/24 9:46:01 PM	**Injection Volume**	Per Method
Sample Annotation	-		

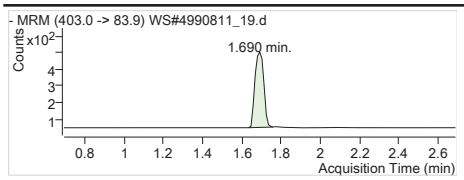
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8104	1.43	1 µg/Kg		
MPFHxS	1423	1.69	1 µg/Kg		
MPFHpA	8618	1.69	1 µg/Kg		
MPFOA	8613	1.87	1 µg/Kg		
MPFOS	1874	1.98	1 µg/Kg		
MPFNA	8112	2.01	1 µg/Kg		
MPFDA	6919	2.12	1 µg/Kg		
MPFUnA	7510	2.22	1 µg/Kg		
MPFDoA	8315	2.31	1 µg/Kg		
MPFTeDA	9223	2.46	1 µg/Kg		
M2 6:2 FTS	1764	1.83	1 µg/Kg		
M2 8:2 FTS	1894	2.10	1 µg/Kg		
13C6-PFHxA IS	46820	1.43	1 µg/Kg		
13C9-PFDA IS	41974	2.13	1 µg/Kg		

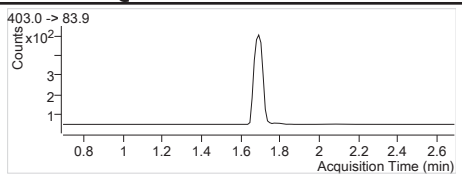
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	158	1.69	-	0.40 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1221	1.87	-	0.38 µg/Kg	-
PFOS 1	12157	1.98	-	19.66 µg/Kg	-
PFNA 1	4865	2.01	-	1.71 µg/Kg	-
PFDA 1	1412	2.13	-	0.36 µg/Kg	-
PFUnA 1	768	2.22	-	0.33 µg/Kg	-
PFDoA 1			-	ND	-
PFTrDA 1	664	2.39	-	0.18 µg/Kg	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8104	1.43	-	89.88 µg/Kg	-
18O2-PFHxS	1423	1.69	-	85.16 µg/Kg	-
13C4-PFHpA	8618	1.69	-	87.61 µg/Kg	-
13C4-PFOA	8613	1.87	-	90.77 µg/Kg	-
13C4-PFOS	1874	1.98	-	91.22 µg/Kg	-
13C5-PFNA	8112	2.01	-	84.58 µg/Kg	-
13C2-PFDA	6919	2.12	-	87.95 µg/Kg	-
13C2-PFUnA	7510	2.22	-	82.77 µg/Kg	-
13C2-PFDoA	8315	2.31	-	79.92 µg/Kg	-
13C2-PFTeDA	9223	2.46	-	72.13 µg/Kg	-
13C2-6:2-FTS	1764	1.83	-	77.17 µg/Kg	-
13C2-8:2 FTS	1894	2.10	-	80.34 µg/Kg	-
13C6-PFHxA	46820	1.43	-	138.11 µg/Kg	-
13C9-PFDA	41974	2.13	-	137.06 µg/Kg	-



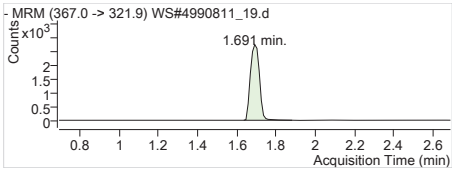


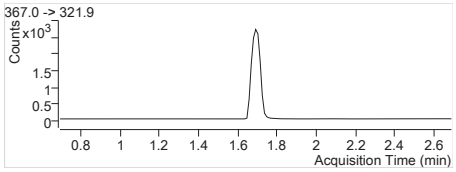
MPFHxA Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



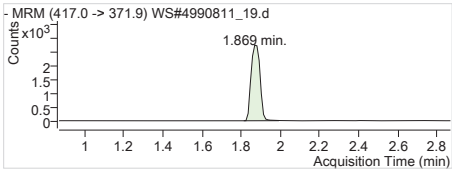


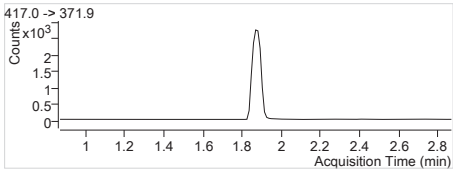
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



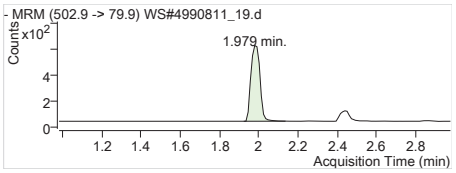


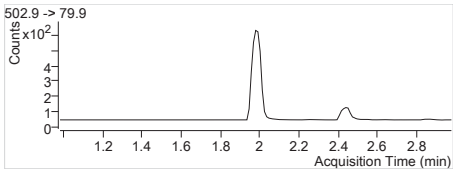
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



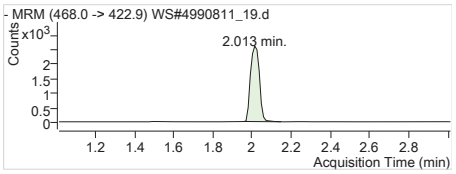


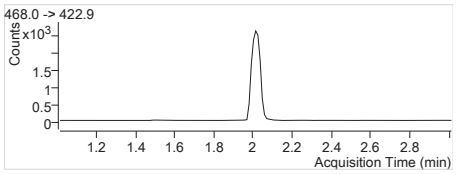
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



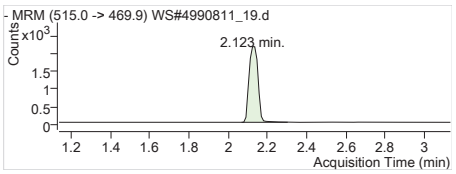


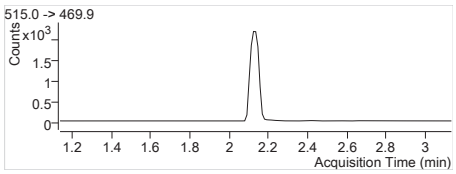
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



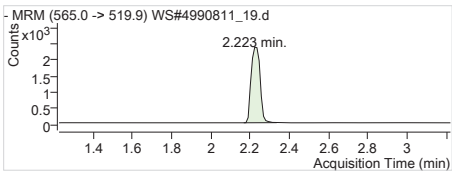


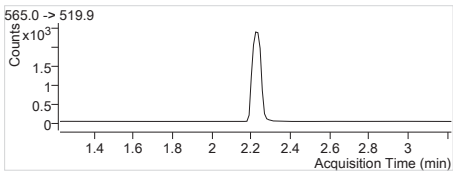
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



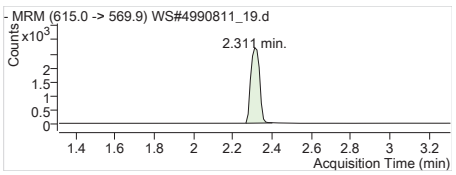


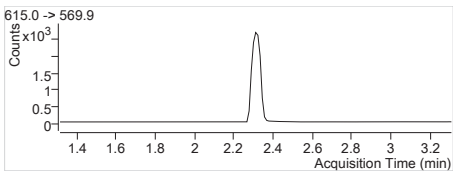
MPFDA Internal Standard
RT (Exp. RT): 2.123 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



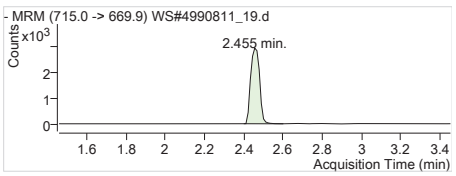


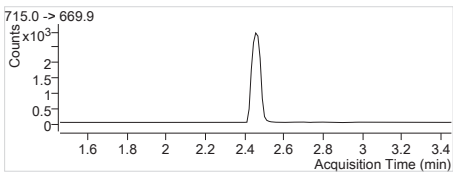
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



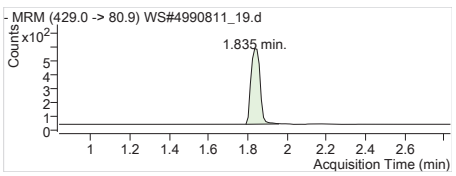


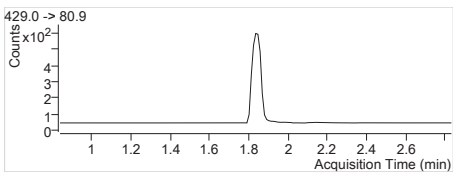
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



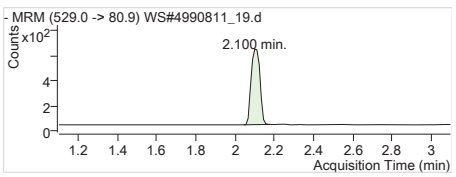


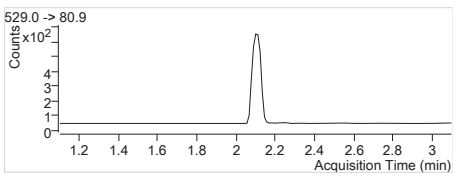
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



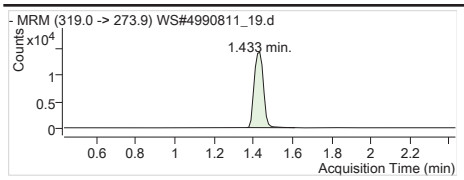


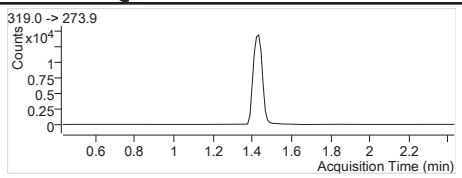
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



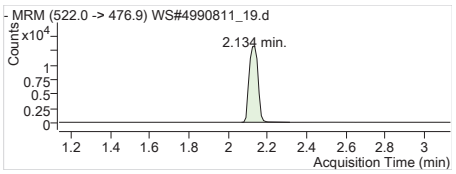


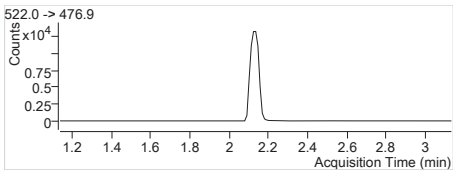
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



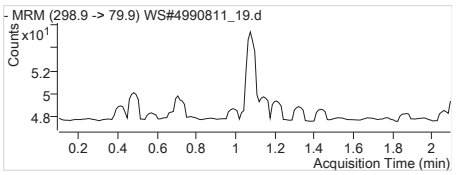


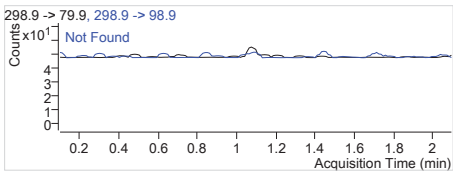
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



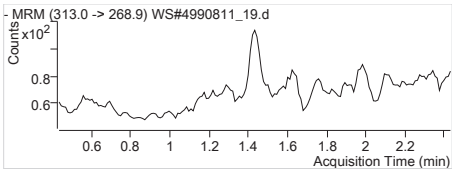


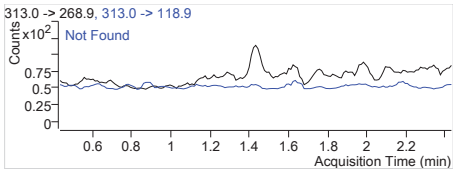
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



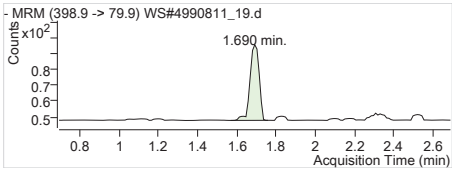


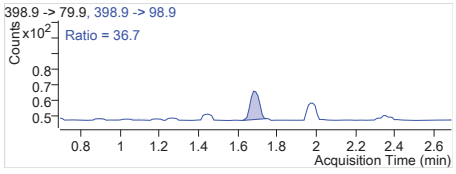
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



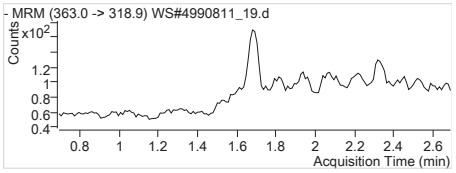


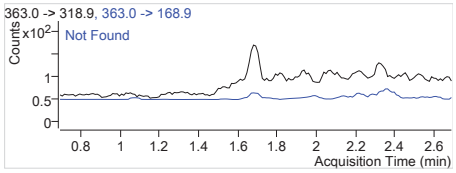
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



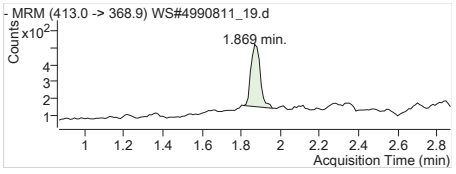


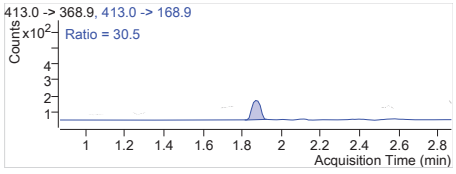
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 0.40 µg/Kg
Area ratio: 0.11103
Sample type: Sample



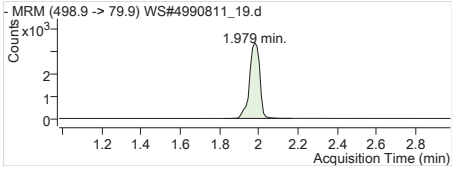


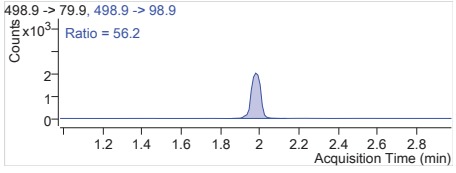
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



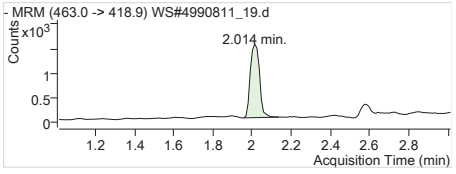


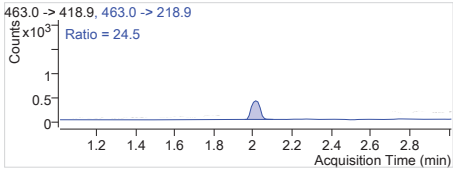
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.38 µg/Kg
Area ratio: 0.14176
Sample type: Sample



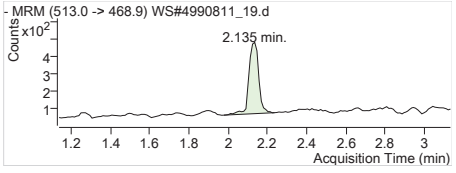


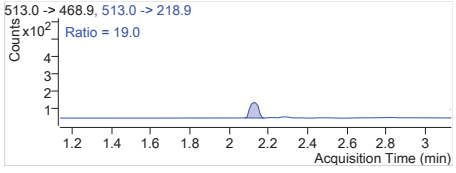
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 19.66 µg/Kg
Area ratio: 6.48719
Sample type: Sample



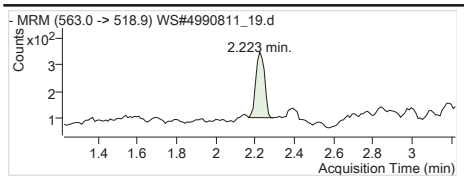


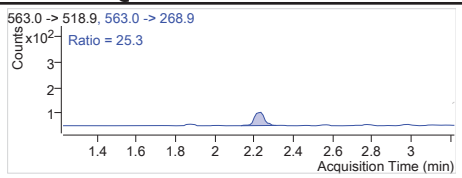
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 1.71 µg/Kg
Area ratio: 0.59973
Sample type: Sample



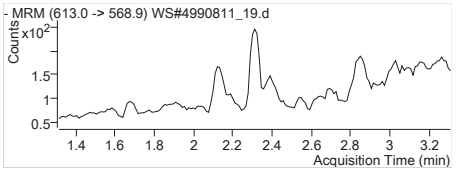


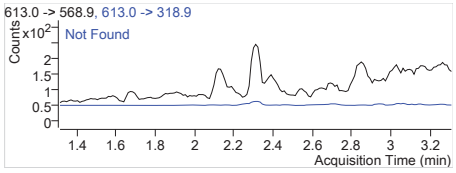
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 0.36 µg/Kg
Area ratio: 0.20408
Sample type: Sample



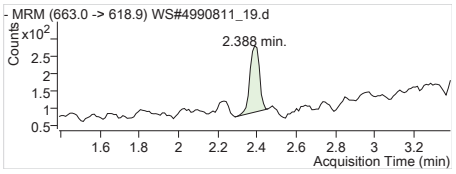


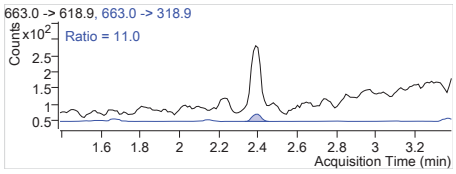
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 0.33 µg/Kg
Area ratio: 0.10226
Sample type: Sample



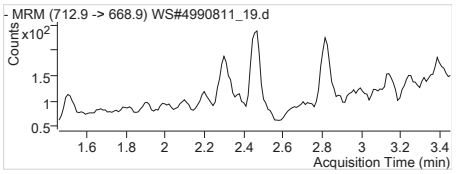


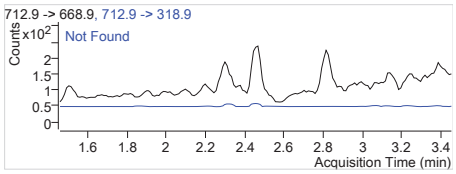
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



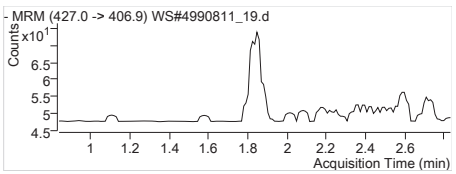


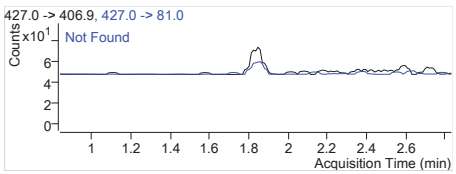
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 0.18 µg/Kg
Area ratio: 0.07199
Sample type: Sample



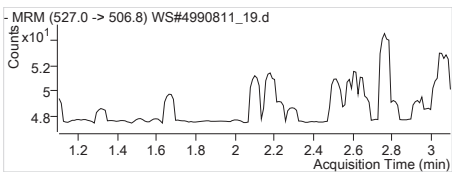


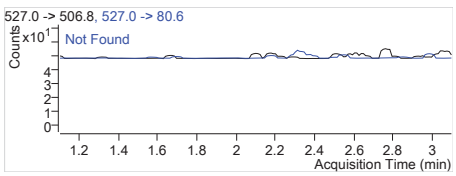
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



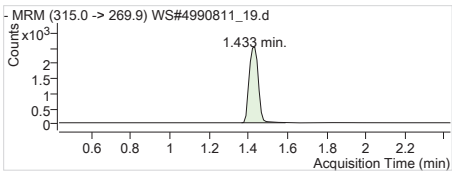


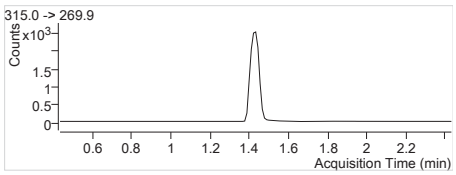
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



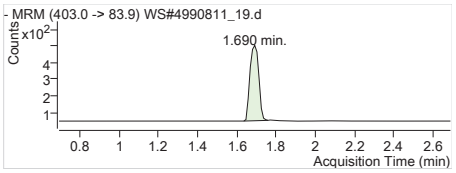


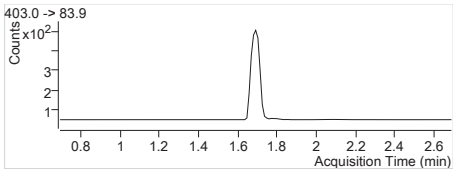
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



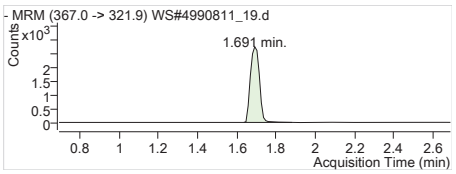


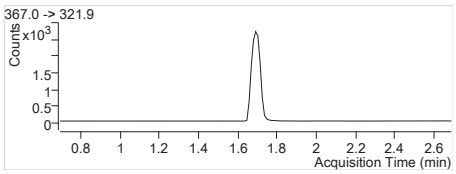
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 89.88 µg/Kg
Area ratio: 0.17309
Sample type: Sample



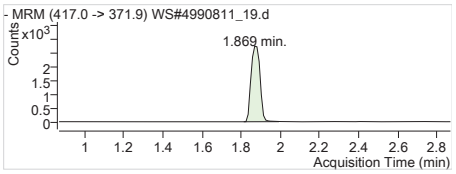


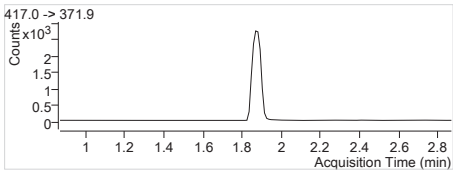
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 85.16 µg/Kg
Area ratio: 0.03039
Sample type: Sample



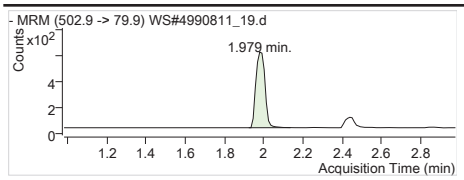


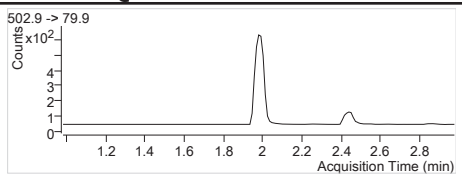
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 87.61 µg/Kg
Area ratio: 0.18407
Sample type: Sample



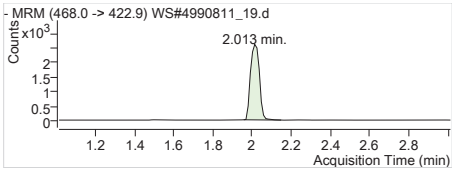


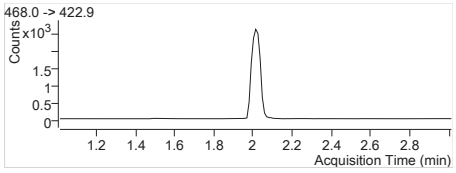
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 90.77 µg/Kg
Area ratio: 0.18396
Sample type: Sample



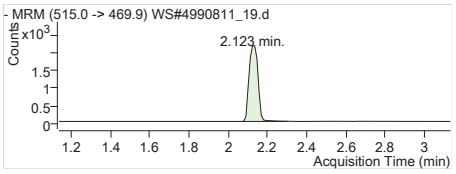


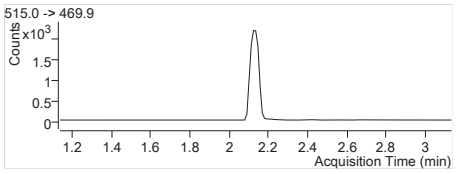
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 91.22 µg/Kg
Area ratio: 0.04003
Sample type: Sample



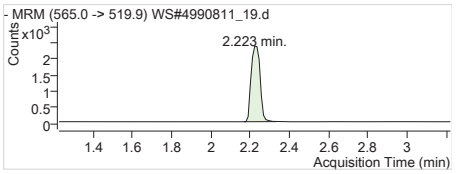


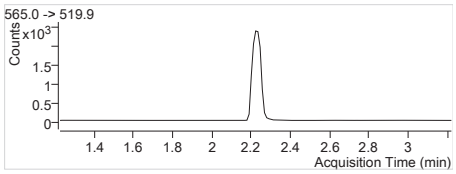
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 84.58 µg/Kg
Area ratio: 0.17326
Sample type: Sample



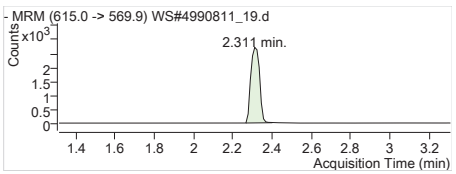


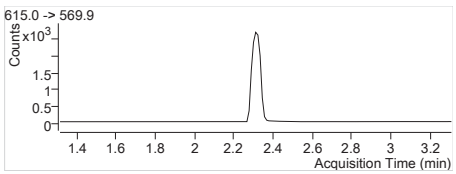
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.123 (2.135)
Calc. conc. 87.95 µg/Kg
Area ratio: 0.16484
Sample type: Sample



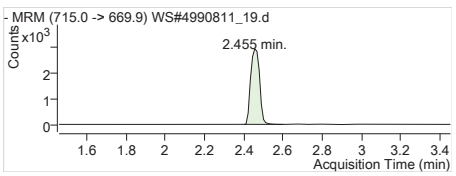


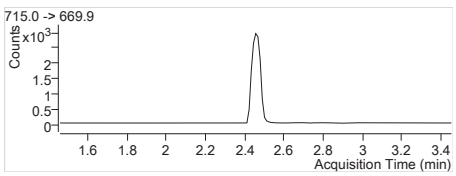
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 82.77 µg/Kg
Area ratio: 0.17892
Sample type: Sample



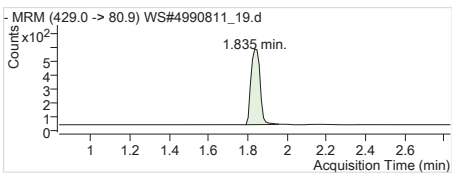


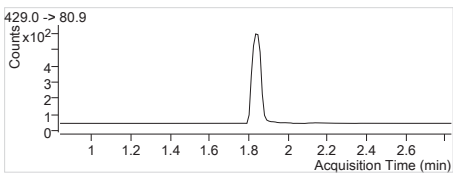
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 79.92 µg/Kg
Area ratio: 0.19810
Sample type: Sample



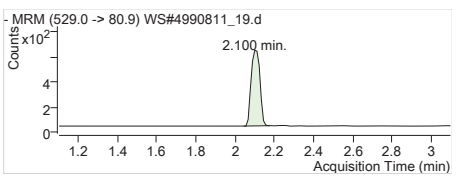


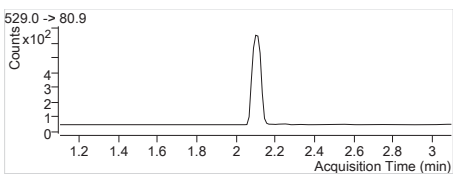
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 72.13 µg/Kg
Area ratio: 0.21973
Sample type: Sample



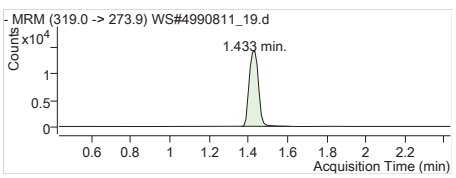


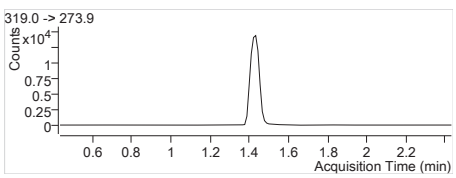
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 77.17 µg/Kg
Area ratio: 0.03768
Sample type: Sample



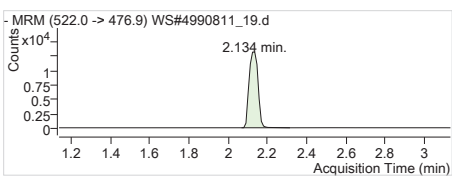


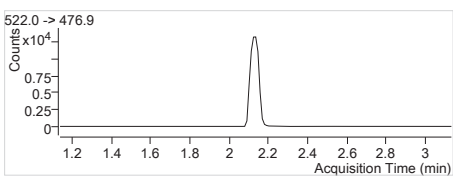
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 80.34 µg/Kg
Area ratio: 0.04045
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 138.11 µg/Kg
Area ratio: 0
Sample type: Sample





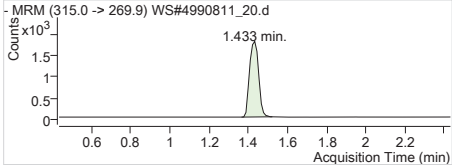
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 137.06 µg/Kg
Area ratio: 0
Sample type: Sample

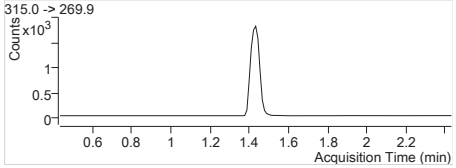
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI398-01**	**Instrument**	LCMS04
Data File	WS#4990811_20.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.383
Acq. Method	PFC_Soil.m	**Position**	P2-B6
Acq. Date	2017/05/24 9:50:55 PM	**Injection Volume**	Per Method
Sample Annotation	-		

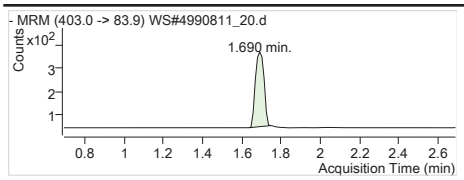
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	5729	1.43	1 µg/Kg		
MPFHxS	970	1.69	1 µg/Kg		
MPFHpA	7229	1.69	1 µg/Kg		
MPFOA	6852	1.87	1 µg/Kg		
MPFOS	1307	1.98	1 µg/Kg		
MPFNA	6381	2.01	1 µg/Kg		
MPFDA	5520	2.13	1 µg/Kg		
MPFUnA	6505	2.22	1 µg/Kg		
MPFDoA	6710	2.31	1 µg/Kg		
MPFTeDA	7160	2.46	1 µg/Kg		
M2 6:2 FTS	1662	1.83	1 µg/Kg		
M2 8:2 FTS	1729	2.11	1 µg/Kg		
13C6-PFHxA IS	43716	1.43	1 µg/Kg		
13C9-PFDA IS	40873	2.13	1 µg/Kg		

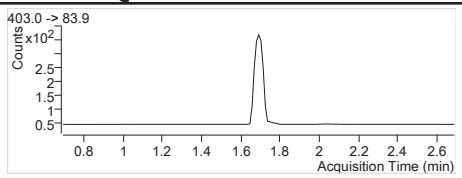
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	231	1.69	-	0.80 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1507	1.87	-	0.67 µg/Kg	-
PFOS 1	6893	1.98	-	18.58 µg/Kg	-
PFNA 1	867	2.01	-	0.45 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	5729	1.43	-	68.05 µg/Kg	-
18O2-PFHxS	970	1.69	-	62.17 µg/Kg	-
13C4-PFHpA	7229	1.69	-	78.70 µg/Kg	-
13C4-PFOA	6852	1.87	-	77.33 µg/Kg	-
13C4-PFOS	1307	1.98	-	68.14 µg/Kg	-
13C5-PFNA	6381	2.01	-	71.26 µg/Kg	-
13C2-PFDA	5520	2.13	-	72.06 µg/Kg	-
13C2-PFUnA	6505	2.22	-	73.62 µg/Kg	-
13C2-PFDoA	6710	2.31	-	66.23 µg/Kg	-
13C2-PFTeDA	7160	2.46	-	57.50 µg/Kg	-
13C2-6:2-FTS	1662	1.83	-	77.87 µg/Kg	-
13C2-8:2 FTS	1729	2.11	-	78.54 µg/Kg	-
13C6-PFHxA	43716	1.43	-	149.87 µg/Kg	-
13C9-PFDA	40873	2.13	-	155.11 µg/Kg	-



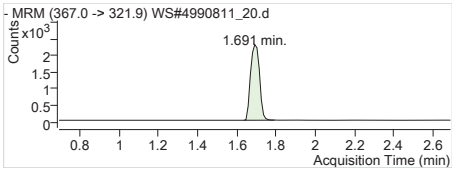


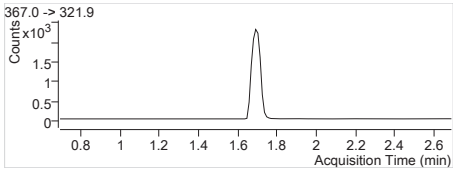
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



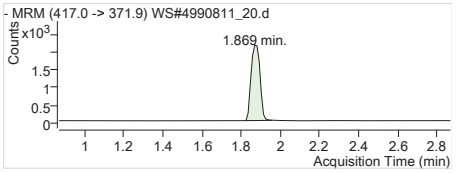


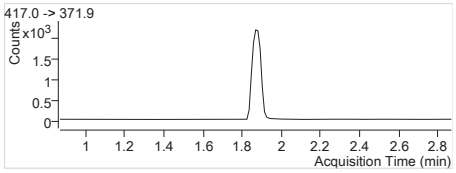
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



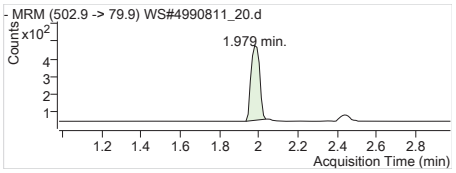


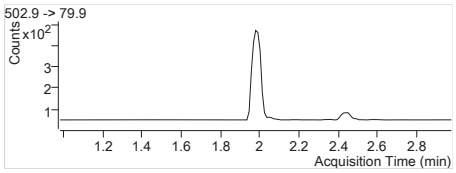
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



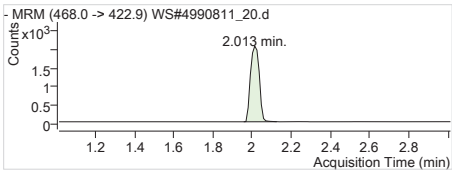


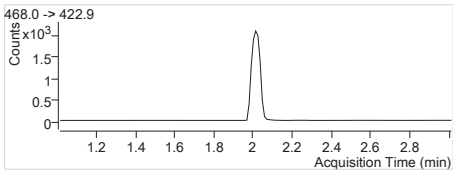
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



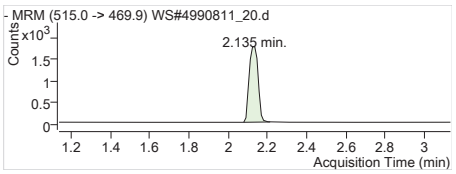


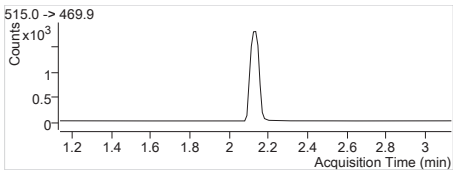
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



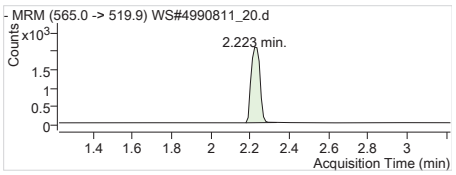


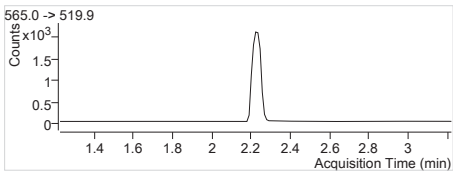
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



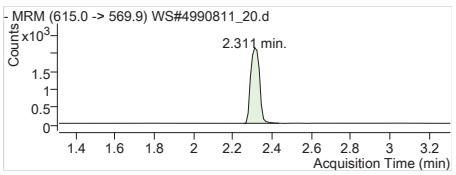


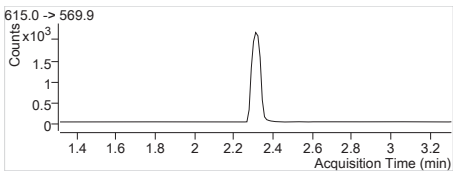
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



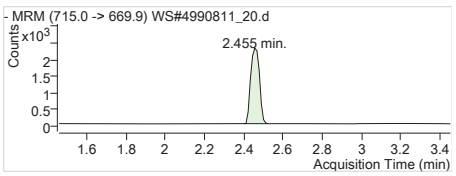


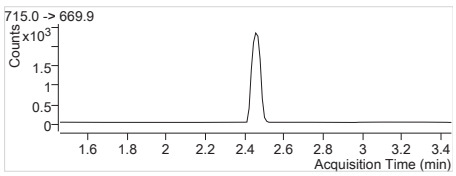
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



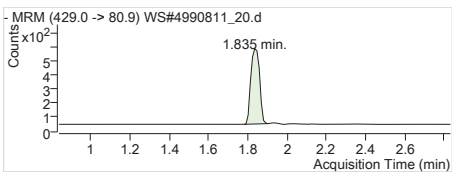


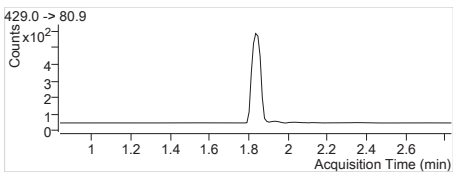
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



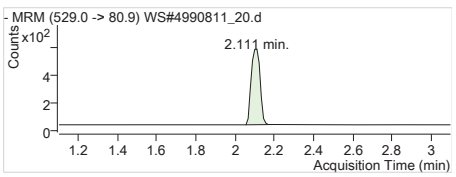


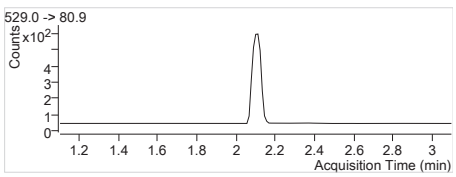
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



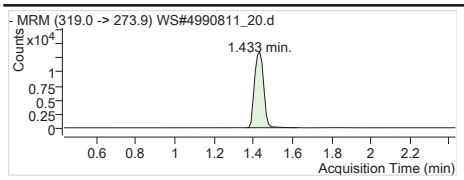


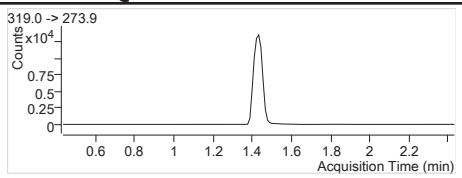
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



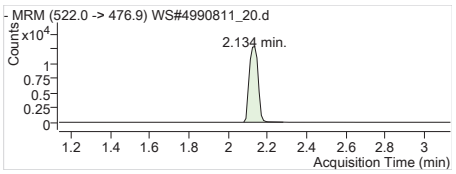


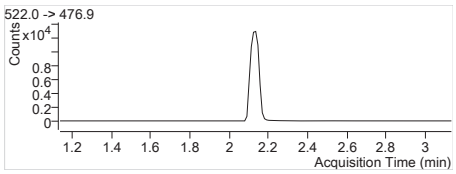
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.111 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



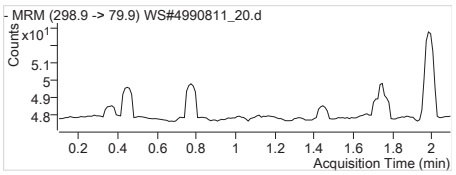


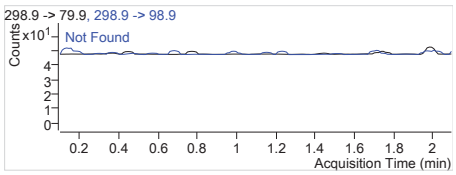
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



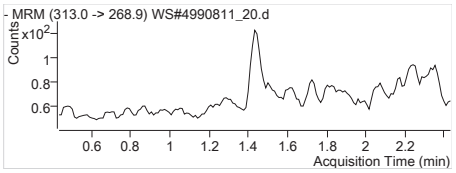


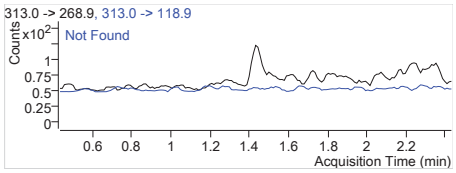
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



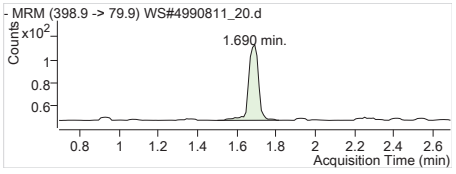


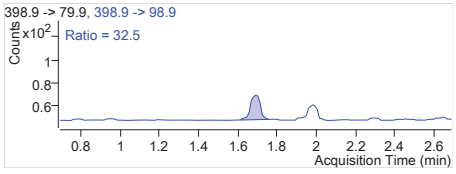
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



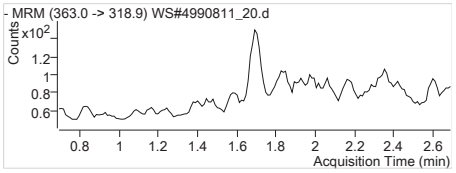


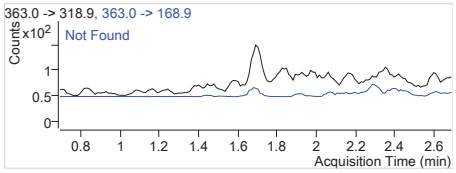
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



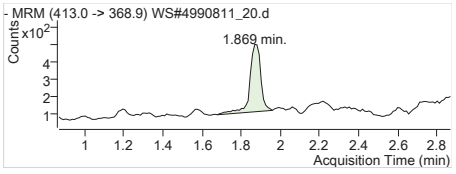


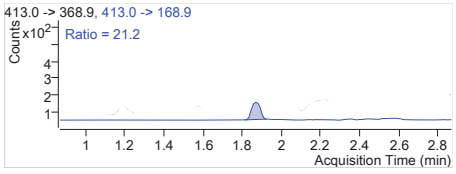
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 0.80 µg/Kg
Area ratio: 0.23814
Sample type: Sample



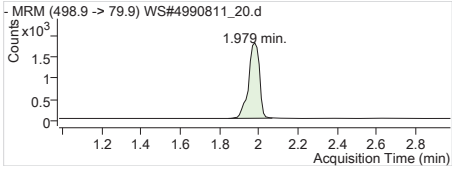


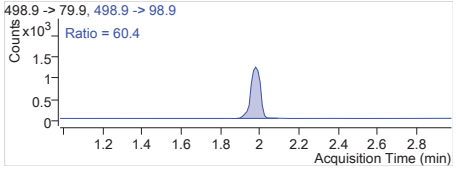
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



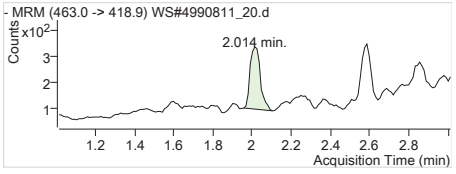


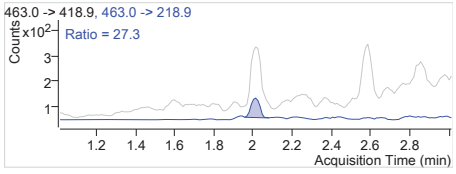
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.67 µg/Kg
Area ratio: 0.21994
Sample type: Sample



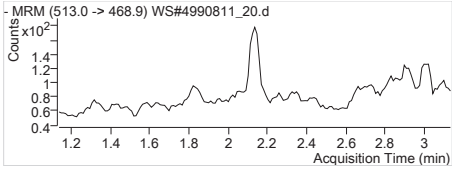


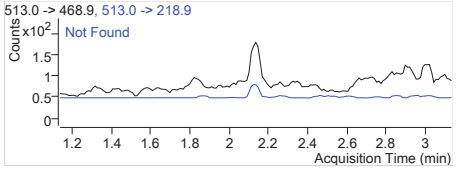
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 18.58 µg/Kg
Area ratio: 5.27391
Sample type: Sample



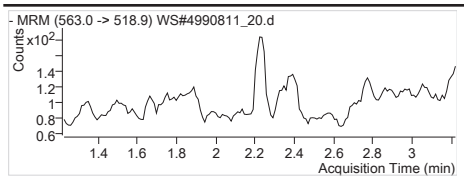


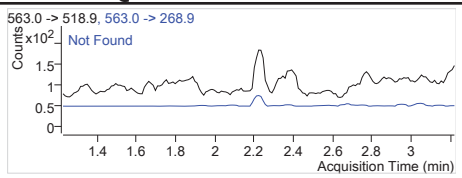
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.45 µg/Kg
Area ratio: 0.13587
Sample type: Sample



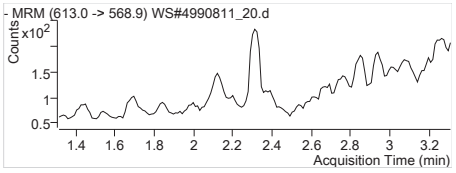


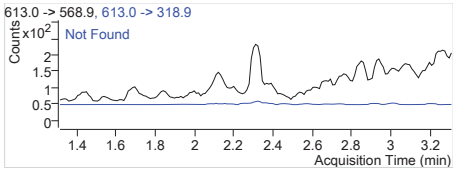
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



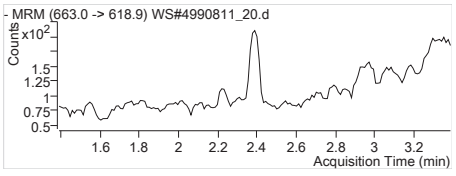


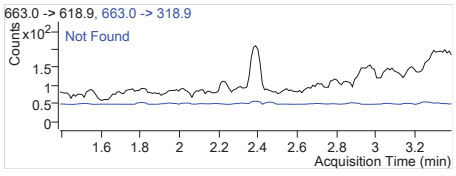
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



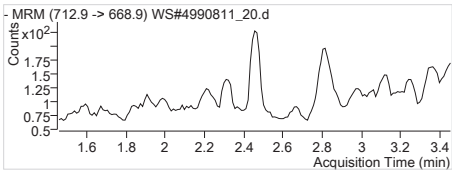


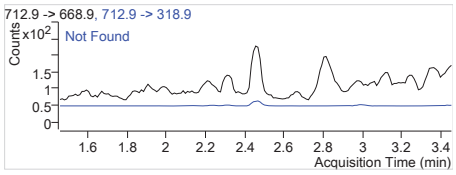
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



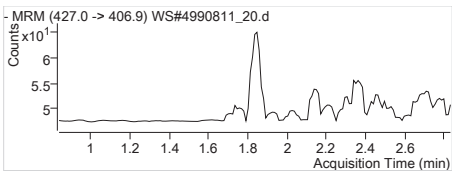


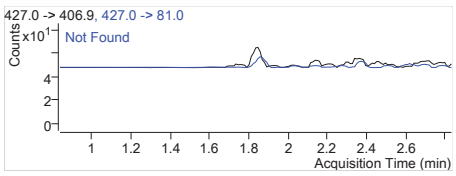
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



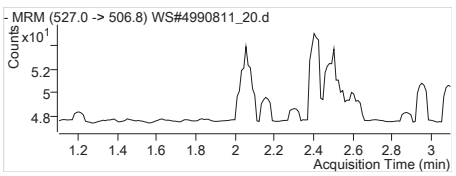


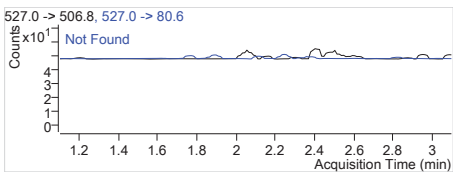
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



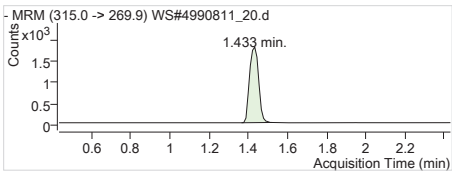


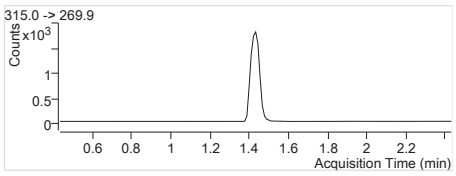
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



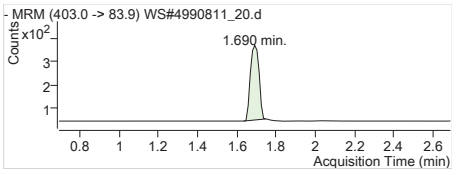


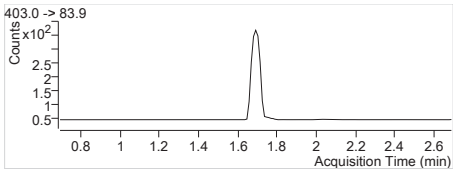
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



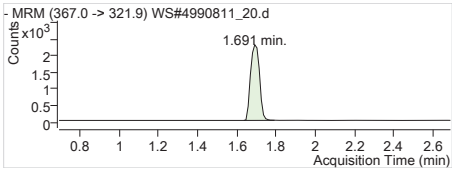


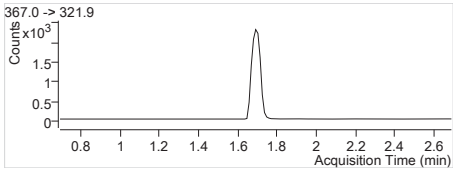
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 68.05 µg/Kg
Area ratio: 0.13105
Sample type: Sample



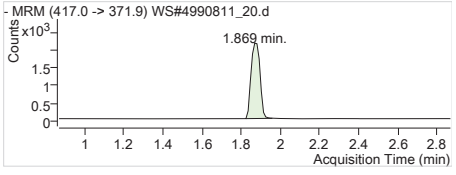


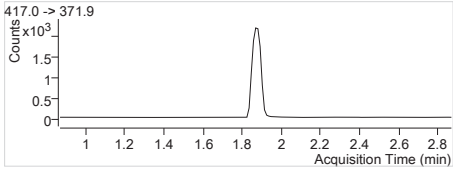
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 62.17 µg/Kg
Area ratio: 0.02219
Sample type: Sample



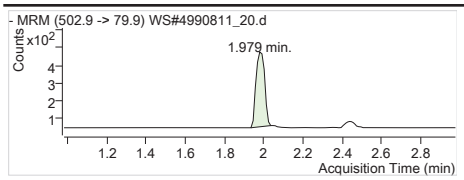


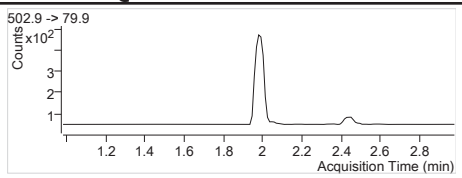
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 78.70 µg/Kg
Area ratio: 0.16536
Sample type: Sample



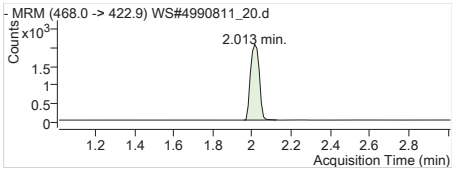


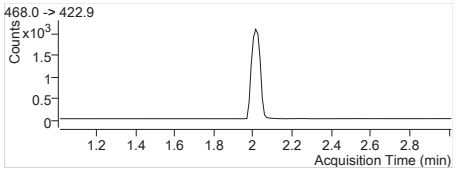
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 77.33 µg/Kg
Area ratio: 0.15674
Sample type: Sample



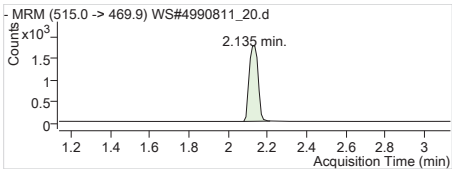


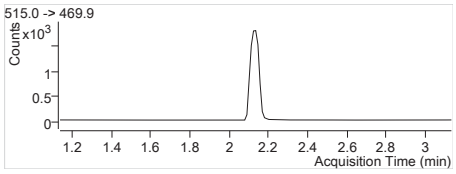
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 68.14 µg/Kg
Area ratio: 0.02990
Sample type: Sample



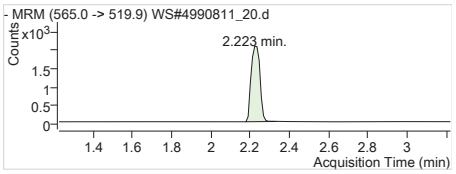


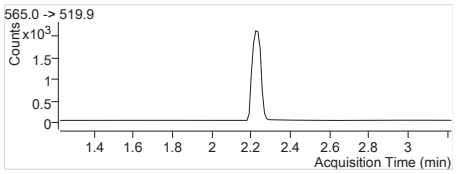
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 71.26 µg/Kg
Area ratio: 0.14596
Sample type: Sample



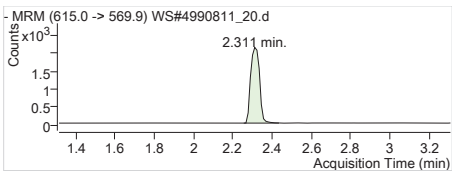


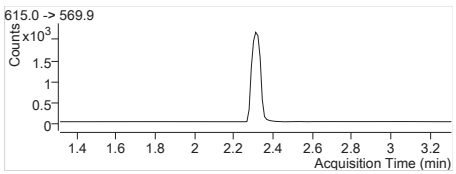
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 72.06 µg/Kg
Area ratio: 0.13505
Sample type: Sample



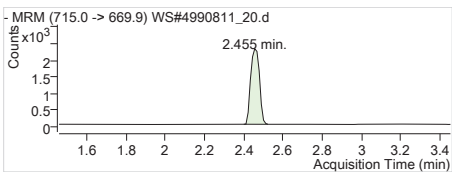


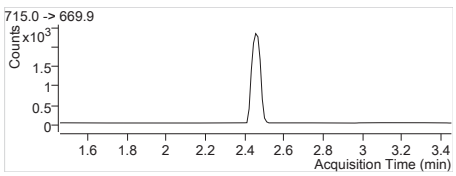
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 73.62 µg/Kg
Area ratio: 0.15915
Sample type: Sample



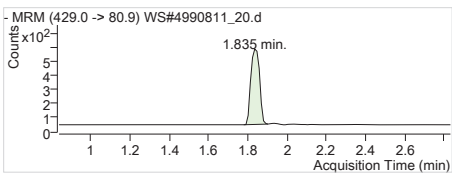


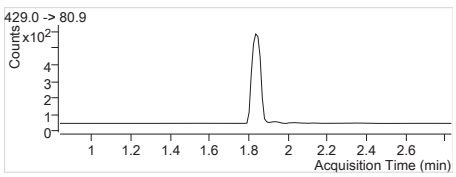
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 66.23 µg/Kg
Area ratio: 0.16417
Sample type: Sample



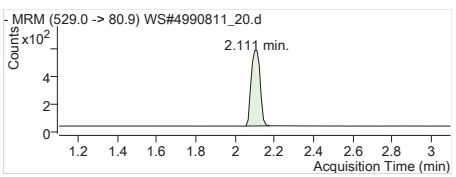


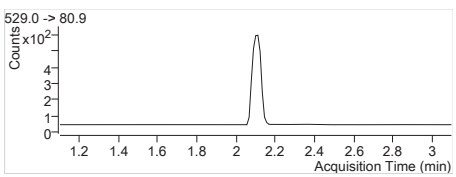
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 57.50 µg/Kg
Area ratio: 0.17518
Sample type: Sample



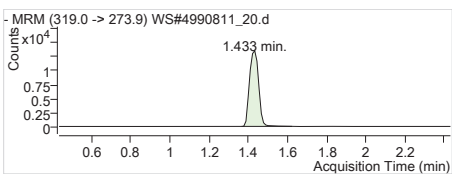


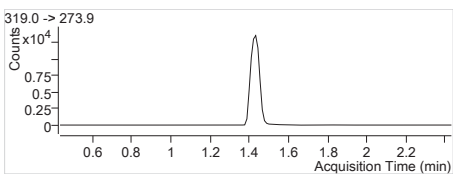
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 77.87 µg/Kg
Area ratio: 0.03802
Sample type: Sample



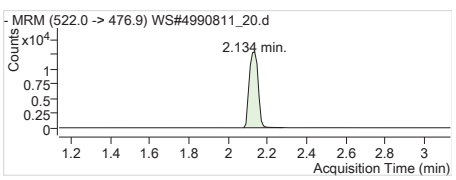


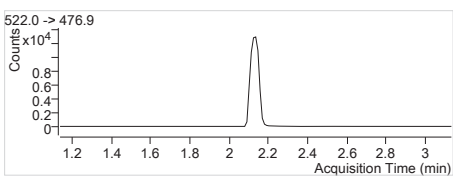
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.111 (2.100)
Calc. conc. 78.54 µg/Kg
Area ratio: 0.03955
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 149.87 µg/Kg
Area ratio: 0
Sample type: Sample





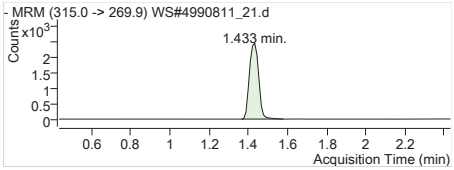
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 155.11 µg/Kg
Area ratio: 0
Sample type: Sample

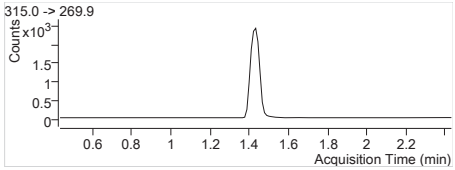
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI399-01**	**Instrument**	LCMS04
Data File	WS#4990811_21.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.381
Acq. Method	PFC_Soil.m	**Position**	P2-B7
Acq. Date	2017/05/24 9:55:49 PM	**Injection Volume**	Per Method
Sample Annotation	-		

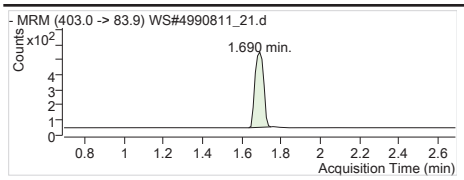
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7839	1.43	1 µg/Kg		
MPFHxS	1539	1.69	1 µg/Kg		
MPFHpA	9183	1.69	1 µg/Kg		
MPFOA	8685	1.87	1 µg/Kg		
MPFOS	1992	1.98	1 µg/Kg		
MPFNA	8201	2.01	1 µg/Kg		
MPFDA	7043	2.13	1 µg/Kg		
MPFUnA	8045	2.23	1 µg/Kg		
MPFDoA	8172	2.31	1 µg/Kg		
MPFTeDA	9499	2.46	1 µg/Kg		
M2 6:2 FTS	2065	1.83	1 µg/Kg		
M2 8:2 FTS	2037	2.11	1 µg/Kg		
13C6-PFHxA IS	42263	1.43	1 µg/Kg		
13C9-PFDA IS	38144	2.13	1 µg/Kg		

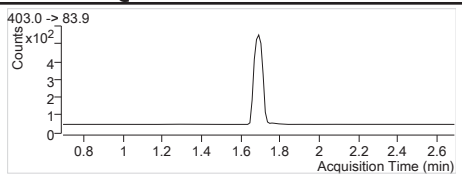
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	144	1.10	-	0.35 µg/Kg	-
PFHxA 1			-	ND	-
PFHxS 1	365	1.69	-	0.80 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	360	1.88	-	0.15 µg/Kg	-
PFOS 1	3160	1.98	-	5.58 µg/Kg	-
PFNA 1	546	2.01	-	0.22 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7839	1.43	-	96.31 µg/Kg	-
18O2-PFHxS	1539	1.69	-	102.03 µg/Kg	-
13C4-PFHpA	9183	1.69	-	103.42 µg/Kg	-
13C4-PFOA	8685	1.87	-	101.39 µg/Kg	-
13C4-PFOS	1992	1.98	-	107.42 µg/Kg	-
13C5-PFNA	8201	2.01	-	94.73 µg/Kg	-
13C2-PFDA	7043	2.13	-	98.52 µg/Kg	-
13C2-PFUnA	8045	2.23	-	97.56 µg/Kg	-
13C2-PFDoA	8172	2.31	-	86.43 µg/Kg	-
13C2-PFTeDA	9499	2.46	-	81.74 µg/Kg	-
13C2-6:2-FTS	2065	1.83	-	100.08 µg/Kg	-
13C2-8:2 FTS	2037	2.11	-	95.72 µg/Kg	-
13C6-PFHxA	42263	1.43	-	144.68 µg/Kg	-
13C9-PFDA	38144	2.13	-	144.55 µg/Kg	-



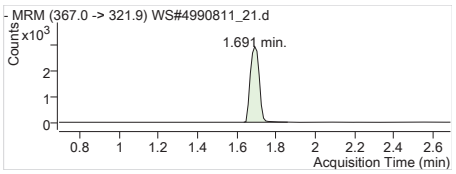


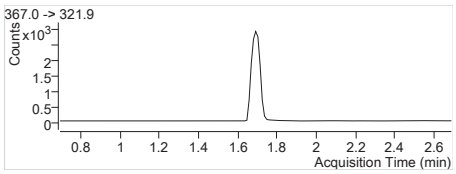
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



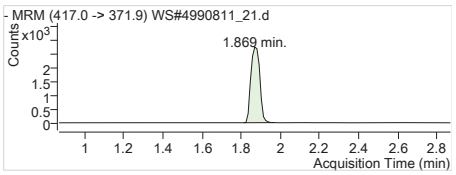


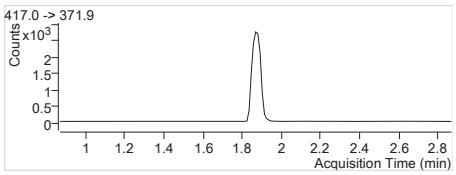
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



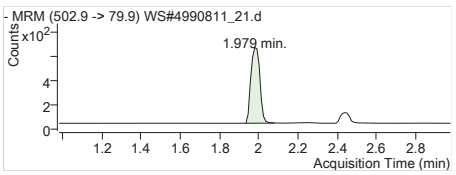


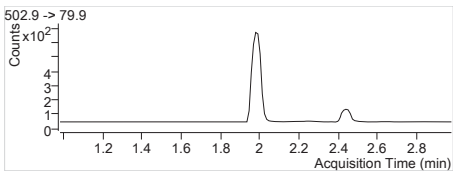
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



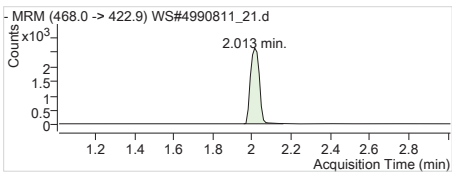


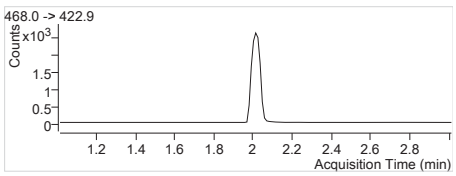
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



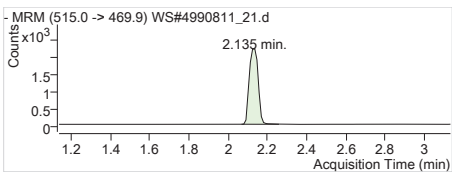


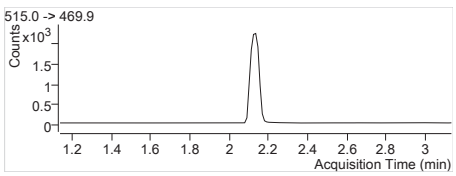
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



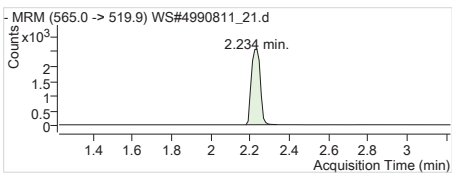


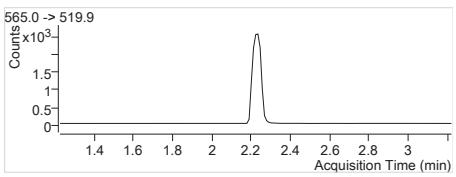
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



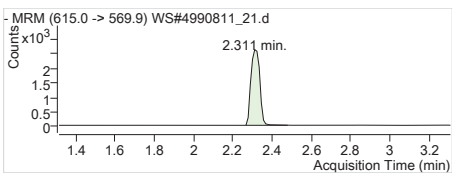


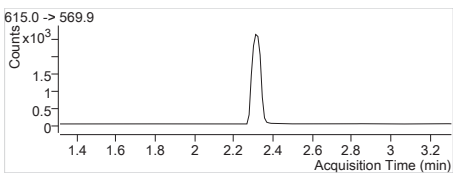
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



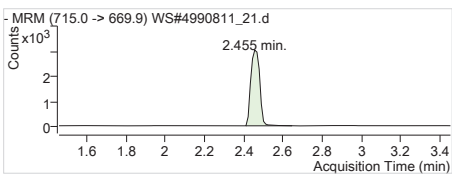


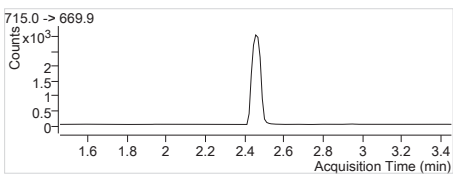
MPFUnA Internal Standard
RT (Exp. RT): 2.234 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



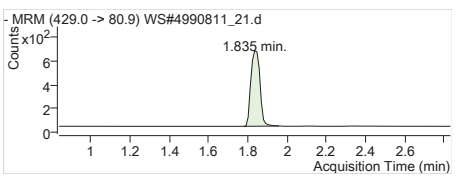


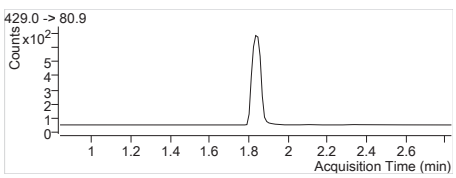
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



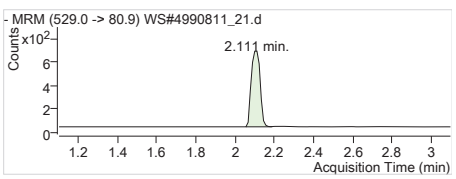


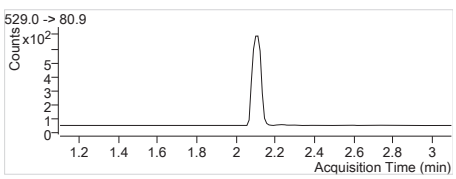
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



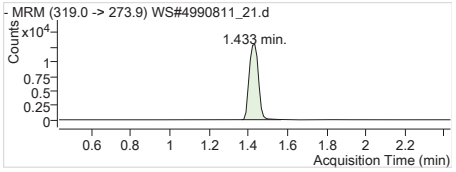


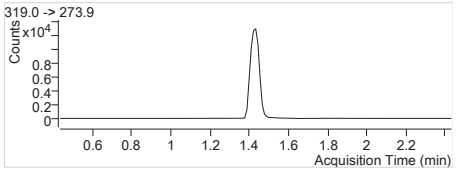
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



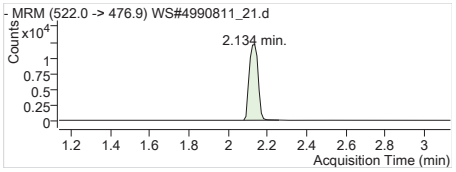


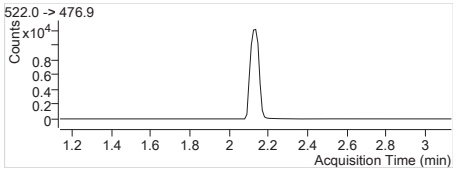
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.111 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



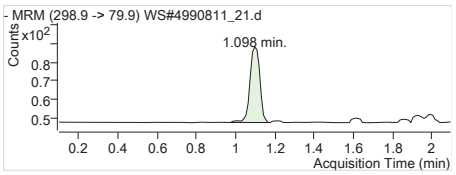


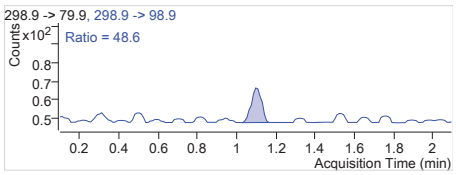
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



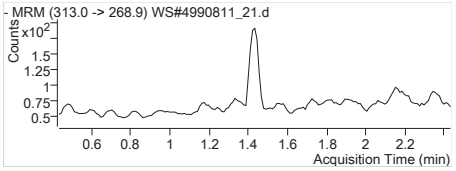


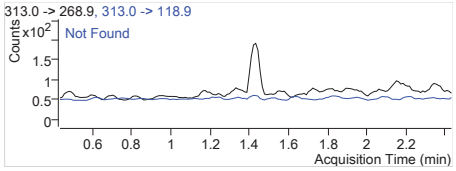
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



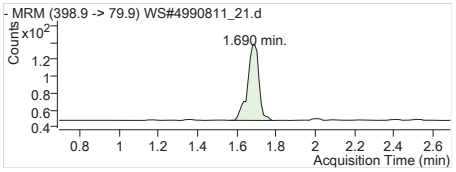


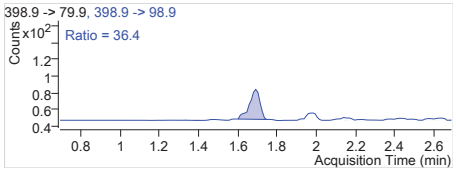
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 0.35 µg/Kg
Area ratio: 0.09357
Sample type: Sample



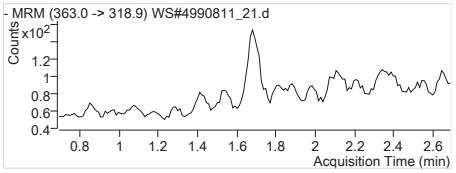


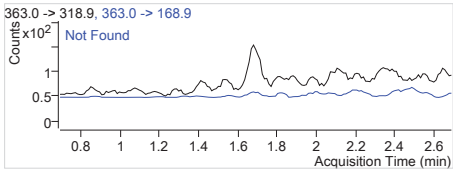
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



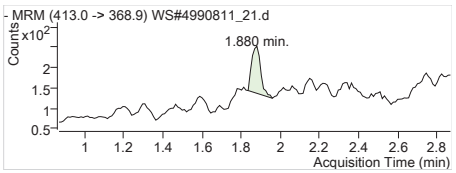


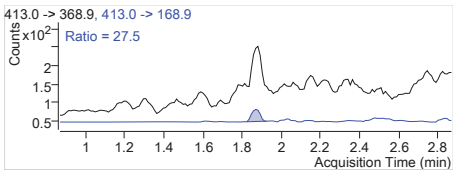
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 0.80 µg/Kg
Area ratio: 0.23717
Sample type: Sample



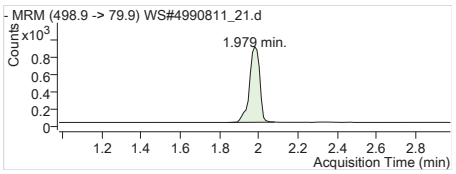


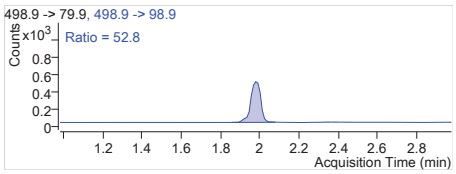
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



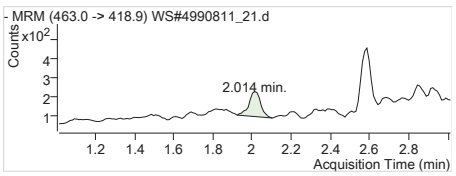


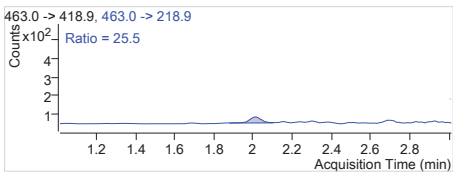
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.880 (1.869)
Calc. conc. 0.15 µg/Kg
Area ratio: 0.04145
Sample type: Sample



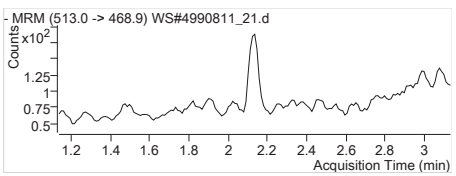


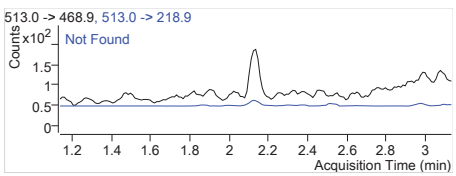
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 5.58 µg/Kg
Area ratio: 1.58635
Sample type: Sample



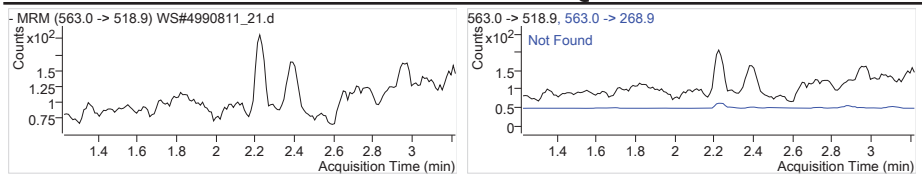


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.22 µg/Kg
Area ratio: 0.06658
Sample type: Sample

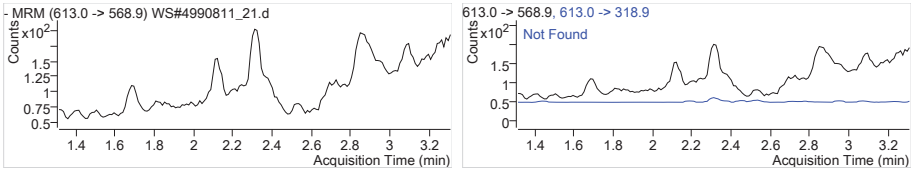




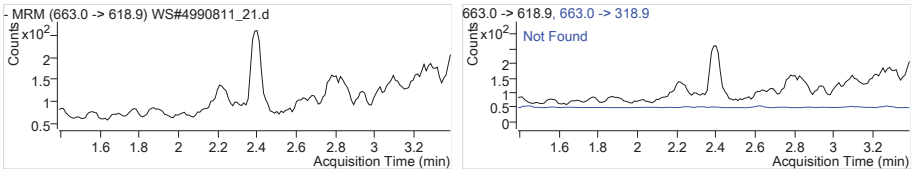
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



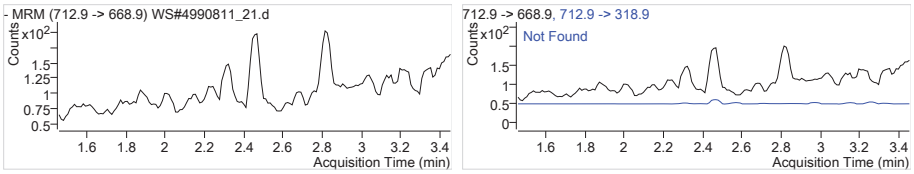
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



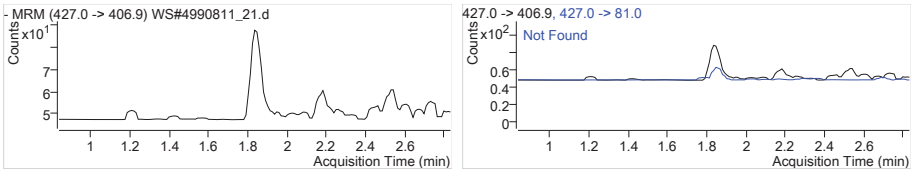
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



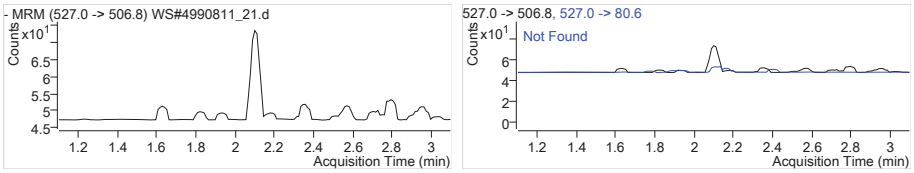
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



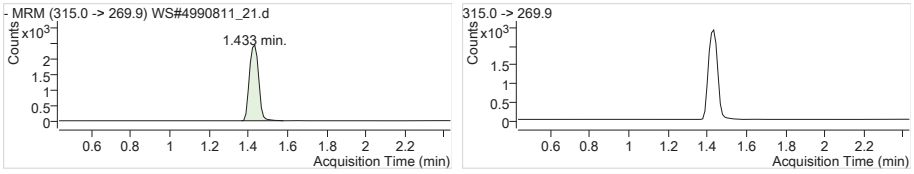
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



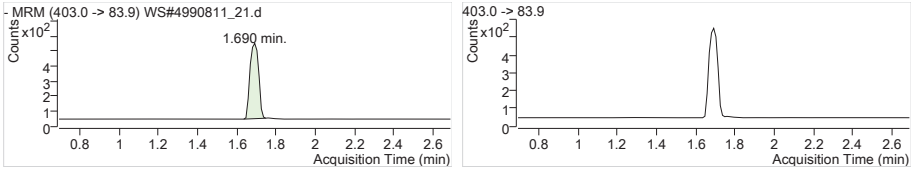
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



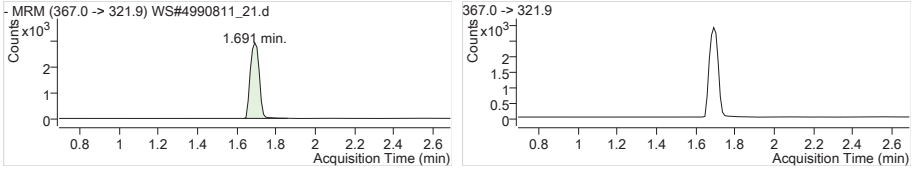
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



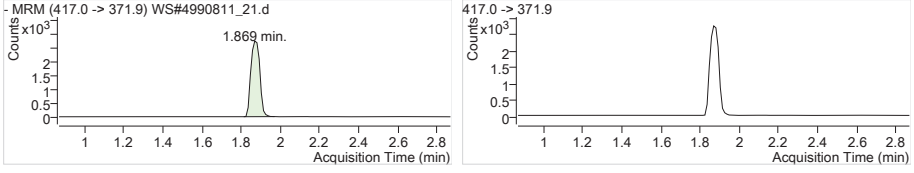
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 96.31 µg/Kg
Area ratio: 0.18548
Sample type: Sample



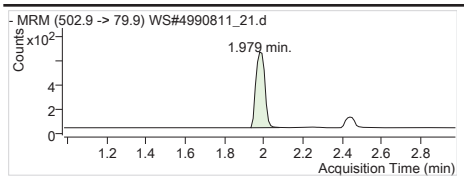
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 102.03 µg/Kg
Area ratio: 0.03641
Sample type: Sample

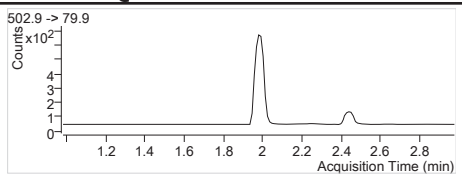


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 103.42 µg/Kg
Area ratio: 0.21728
Sample type: Sample

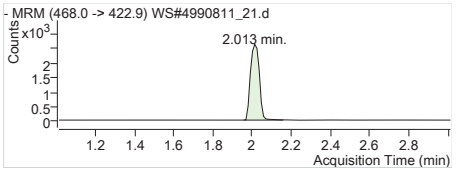


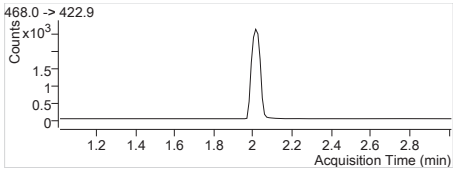
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 101.39 µg/Kg
Area ratio: 0.20550
Sample type: Sample



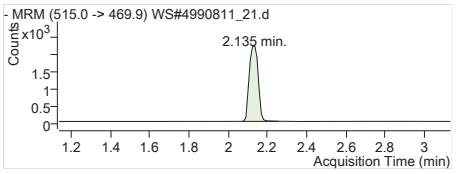


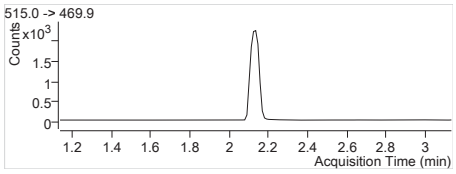
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 107.42 µg/Kg
Area ratio: 0.04713
Sample type: Sample



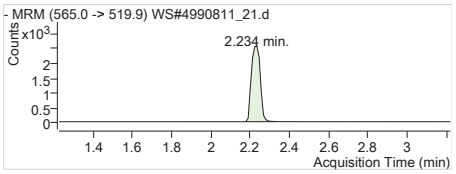


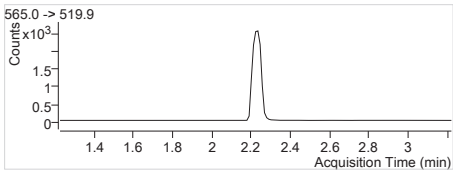
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 94.73 µg/Kg
Area ratio: 0.19405
Sample type: Sample



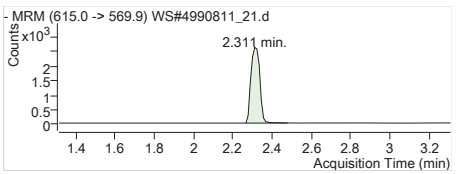


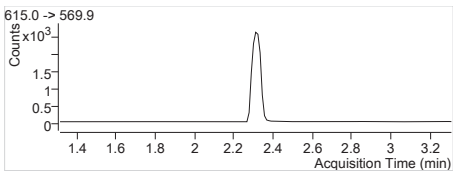
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 98.52 µg/Kg
Area ratio: 0.18464
Sample type: Sample



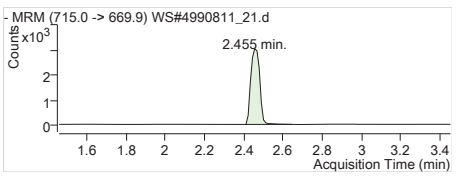


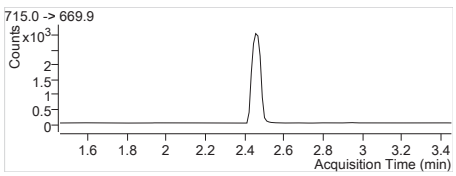
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.234 (2.223)
Calc. conc. 97.56 µg/Kg
Area ratio: 0.21091
Sample type: Sample



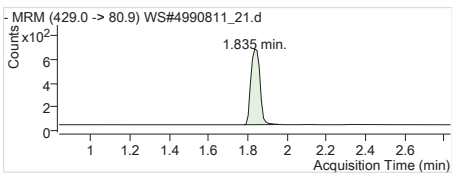


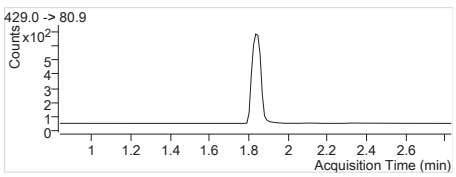
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 86.43 µg/Kg
Area ratio: 0.21424
Sample type: Sample



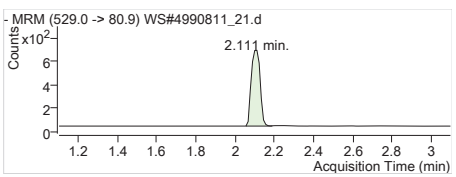


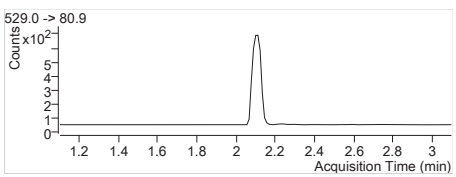
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 81.74 µg/Kg
Area ratio: 0.24903
Sample type: Sample



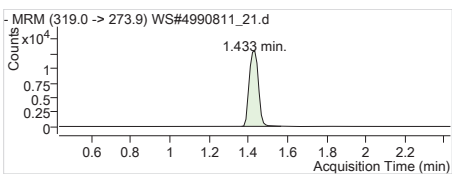


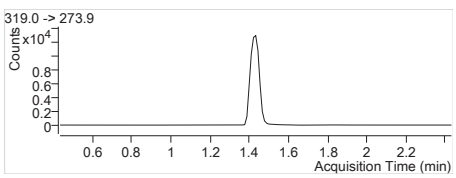
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 100.08 µg/Kg
Area ratio: 0.04886
Sample type: Sample



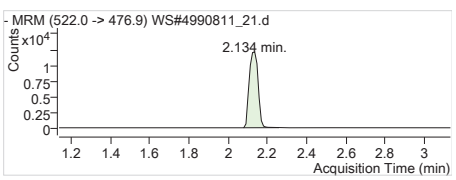


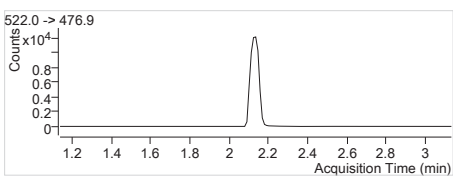
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.111 (2.100)
Calc. conc. 95.72 µg/Kg
Area ratio: 0.04820
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 144.68 µg/Kg
Area ratio: 0
Sample type: Sample





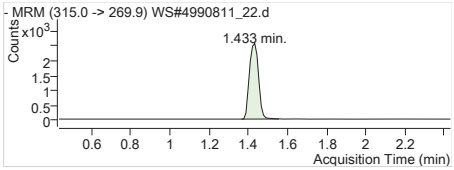
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 144.55 µg/Kg
Area ratio: 0
Sample type: Sample

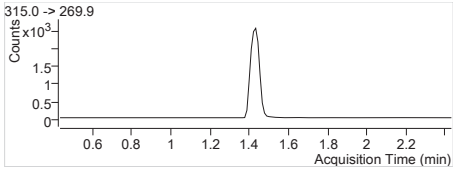
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI401-01:1000x**	**Instrument**	LCMS04
Data File	WS#4990811_22.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1572.327
Acq. Method	PFC_Soil.m	**Position**	P2-B8
Acq. Date	2017/05/24 10:00:43 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for 8:2FTS, PFOS only.		

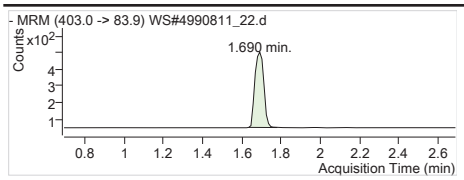
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8206	1.43	1 µg/Kg		
MPFHxS	1435	1.69	1 µg/Kg		
MPFHpA	9629	1.69	1 µg/Kg		
MPFOA	9244	1.87	1 µg/Kg		
MPFOS	2089	1.98	1 µg/Kg		
MPFNA	8751	2.01	1 µg/Kg		
MPFDA	7482	2.13	1 µg/Kg		
MPFUnA	8374	2.22	1 µg/Kg		
MPFDoA	10111	2.31	1 µg/Kg		
MPFTeDA	12604	2.46	1 µg/Kg		
M2 6:2 FTS	2332	1.83	1 µg/Kg		
M2 8:2 FTS	2350	2.10	1 µg/Kg		
13C6-PFHxA IS	40310	1.43	1 µg/Kg		
13C9-PFDA IS	36733	2.13	1 µg/Kg		

Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	388	1.87	-	173.07 µg/Kg	-
PFOS 1	4283	1.98	-	8206.88 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1	820	2.31	-	78.68 µg/Kg	-
PFTrDA 1			-	ND	-
PFTeDA 1	801	2.47	-	211.95 µg/Kg	-
6:2-FTS 1	301	1.83	-	361.54 µg/Kg	-
8:2-FTS 1	575	2.10	-	943.97 µg/Kg	-
13C2-PFHxA	8206	1.43	-	105.71 µg/Kg	-
18O2-PFHxS	1435	1.69	-	99.74 µg/Kg	-
13C4-PFHpA	9629	1.69	-	113.69 µg/Kg	-
13C4-PFOA	9244	1.87	-	113.15 µg/Kg	-
13C4-PFOS	2089	1.98	-	118.11 µg/Kg	-
13C5-PFNA	8751	2.01	-	105.98 µg/Kg	-
13C2-PFDA	7482	2.13	-	108.68 µg/Kg	-
13C2-PFUnA	8374	2.22	-	105.45 µg/Kg	-
13C2-PFDoA	10111	2.31	-	111.04 µg/Kg	-
13C2-PFTeDA	12604	2.46	-	112.63 µg/Kg	-
13C2-6:2-FTS	2332	1.83	-	118.49 µg/Kg	-
13C2-8:2 FTS	2350	2.10	-	115.78 µg/Kg	-
13C6-PFHxA	40310	1.43	-	157111.87 µg/Kg	-
13C9-PFDA	36733	2.13	-	158485.35 µg/Kg	-

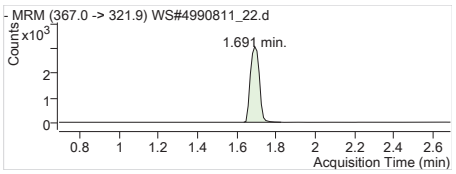




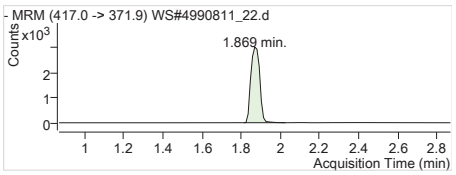
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



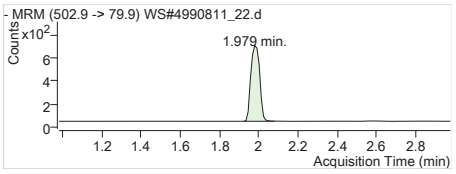
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



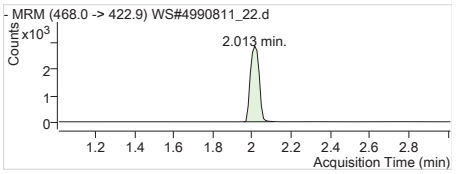
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



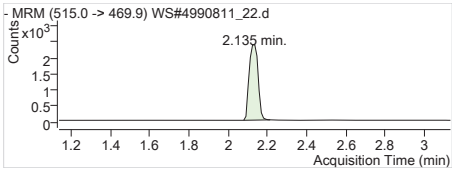
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



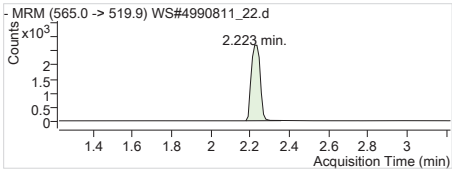
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



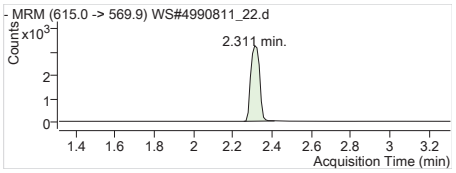
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



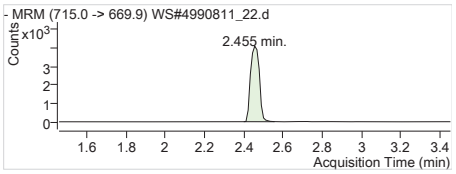
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



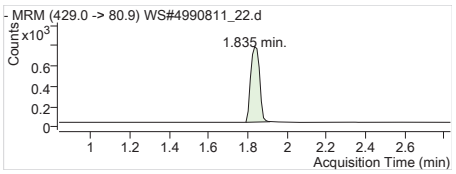
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



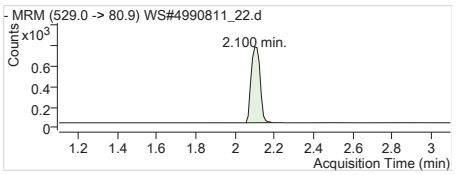
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



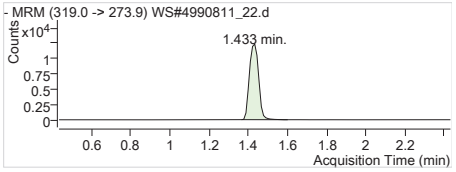
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample

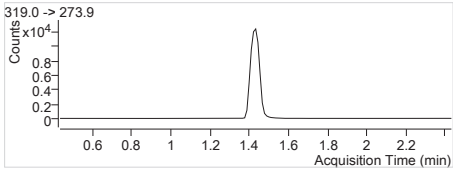


M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample

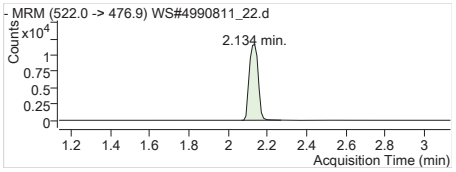


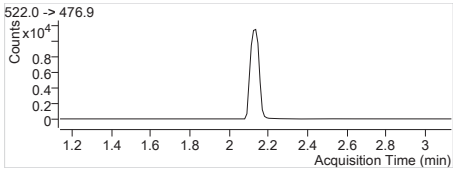
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



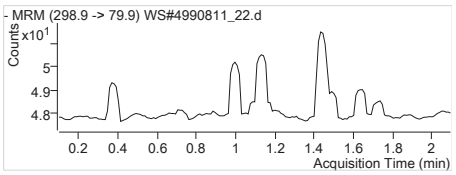


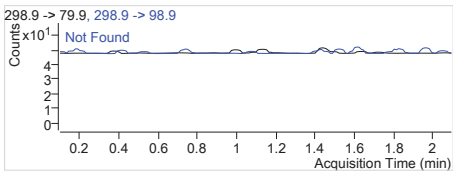
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



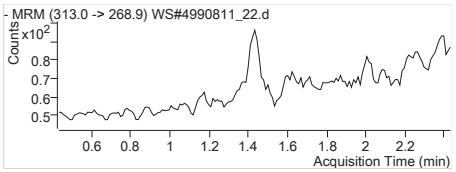


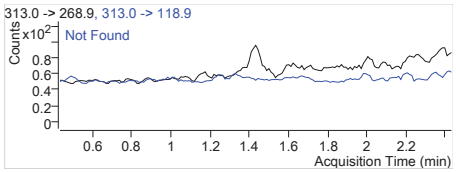
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



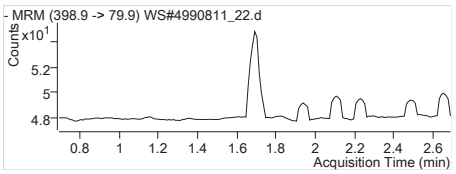


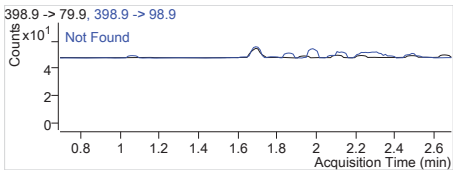
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



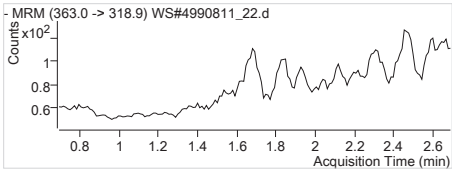


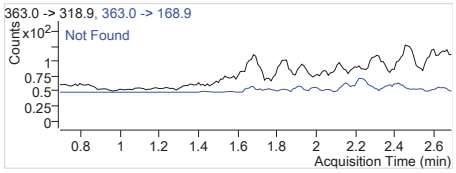
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



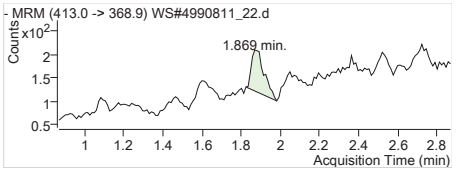


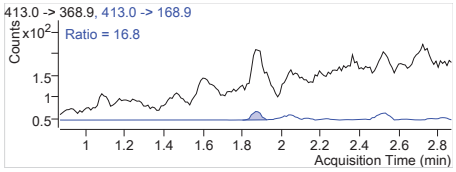
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



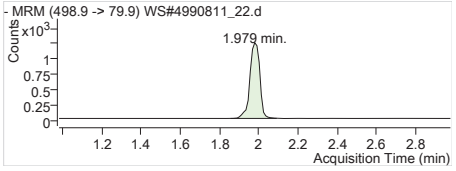


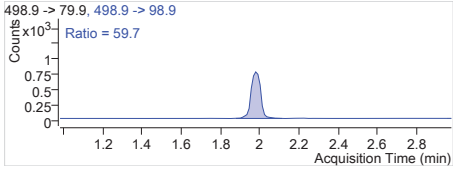
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



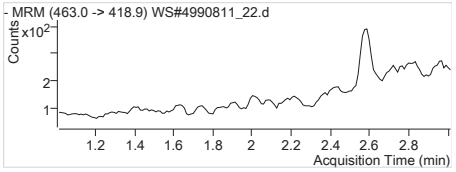


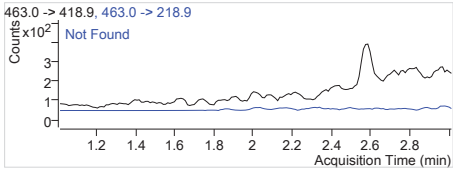
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 173.07 µg/Kg
Area ratio: 0.04197
Sample type: Sample



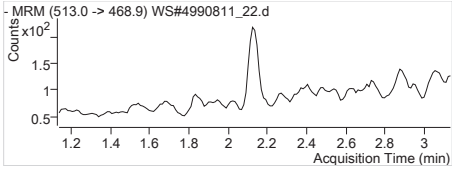


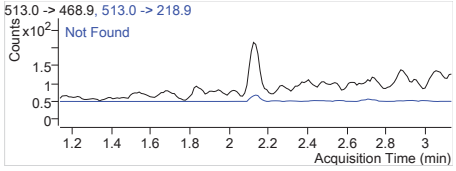
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 8206.88 µg/Kg
Area ratio: 2.05026
Sample type: Sample



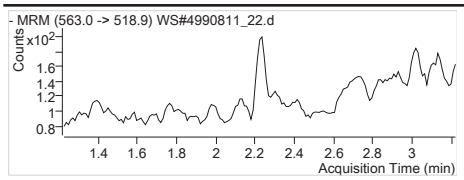


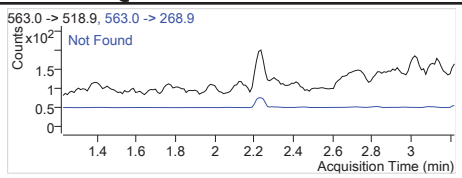
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



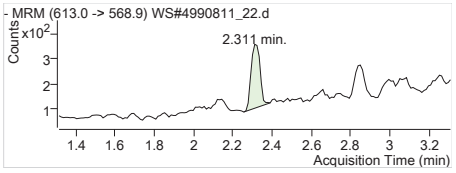


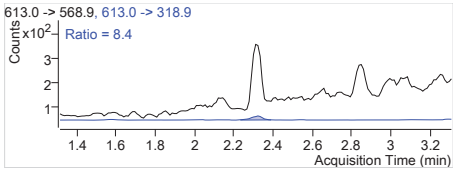
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



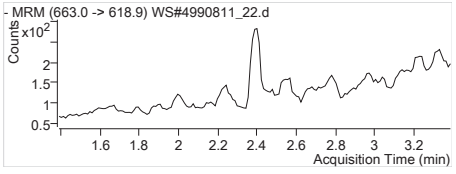


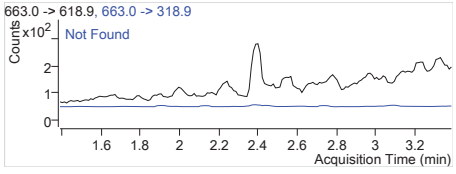
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



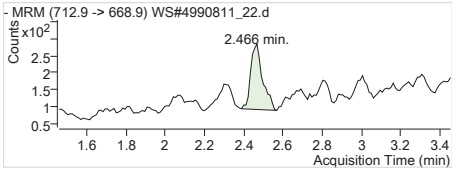


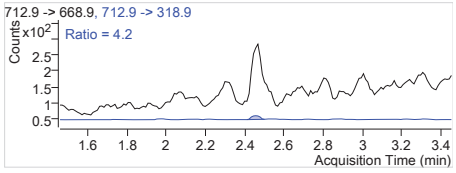
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 78.68 µg/Kg
Area ratio: 0.08110
Sample type: Sample



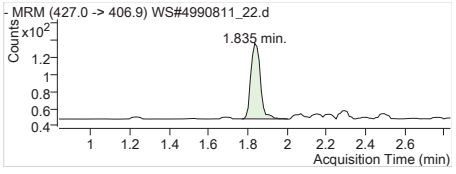


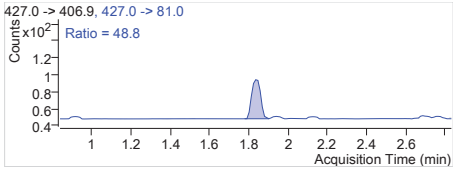
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



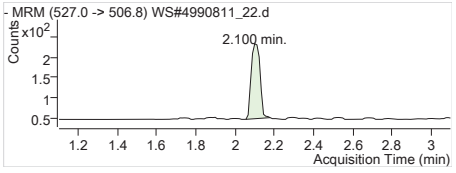


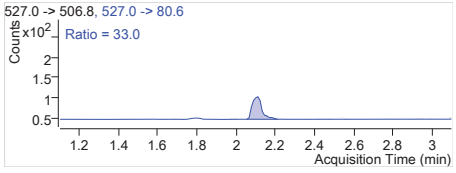
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.466 (2.455)
Calc. conc. 211.95 µg/Kg
Area ratio: 0.06355
Sample type: Sample



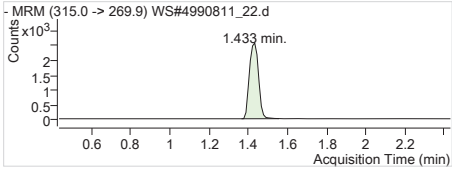


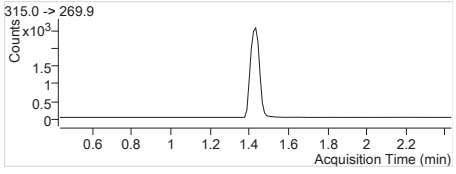
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 361.54 µg/Kg
Area ratio: 0.12907
Sample type: Sample



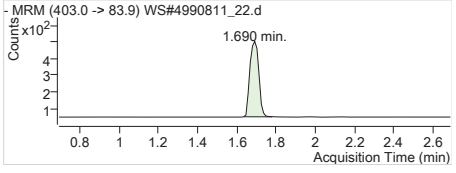


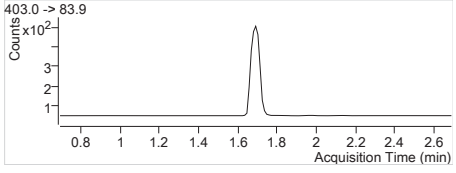
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 943.97 µg/Kg
Area ratio: 0.24468
Sample type: Sample



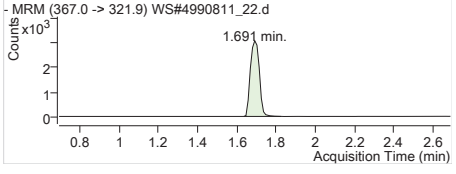


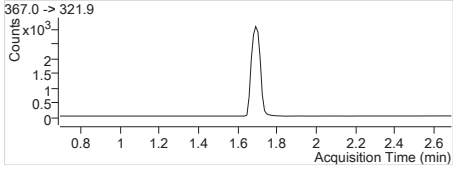
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 105.71 µg/Kg
Area ratio: 0.20357
Sample type: Sample



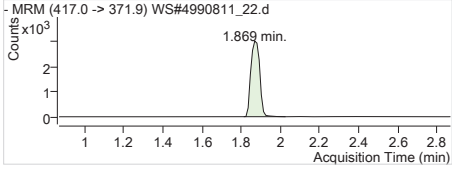


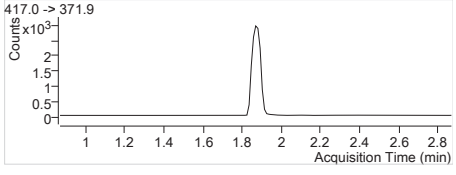
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 99.74 µg/Kg
Area ratio: 0.03560
Sample type: Sample



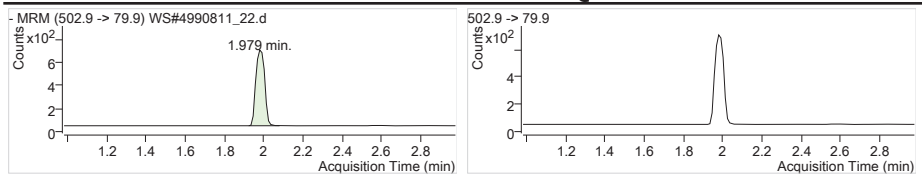


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 113.69 µg/Kg
Area ratio: 0.23887
Sample type: Sample

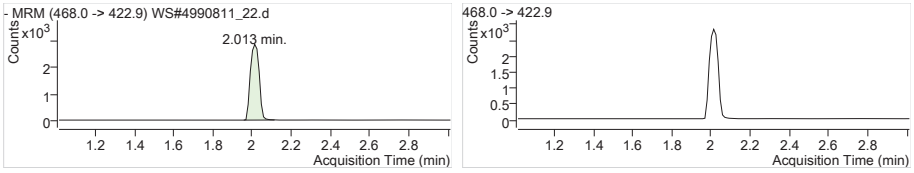




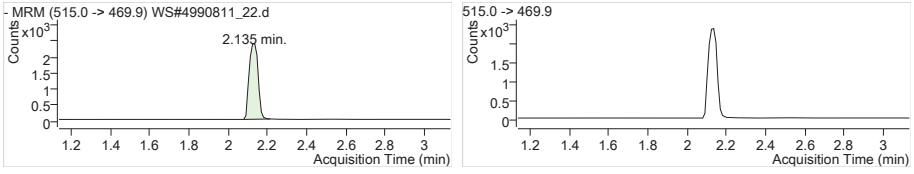
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 113.15 µg/Kg
Area ratio: 0.22932
Sample type: Sample



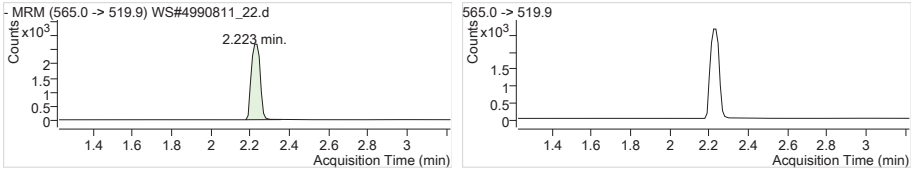
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 118.11 µg/Kg
Area ratio: 0.05182
Sample type: Sample



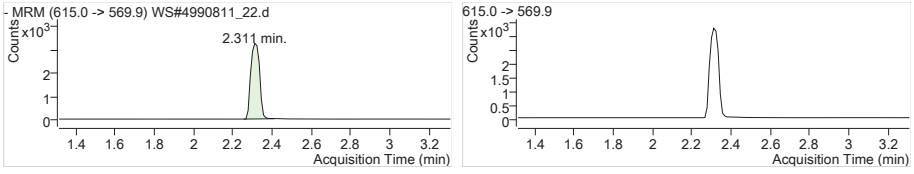
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 105.98 µg/Kg
Area ratio: 0.21709
Sample type: Sample



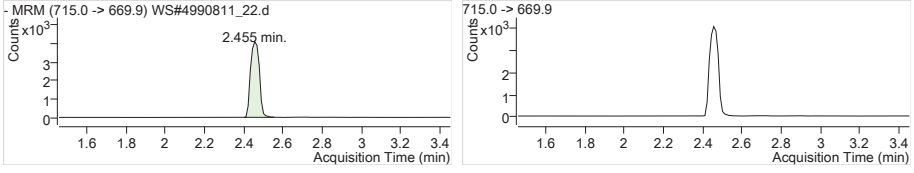
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 108.68 µg/Kg
Area ratio: 0.20369
Sample type: Sample



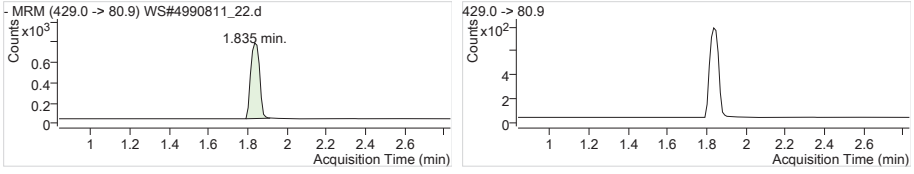
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 105.45 µg/Kg
Area ratio: 0.22797
Sample type: Sample



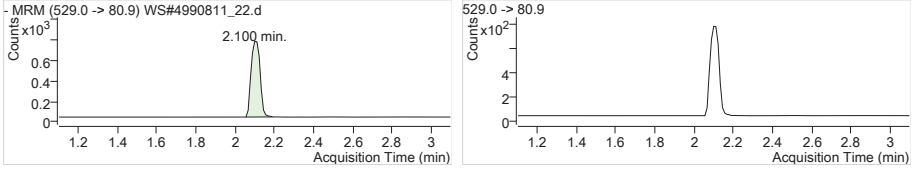
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 111.04 µg/Kg
Area ratio: 0.27526
Sample type: Sample



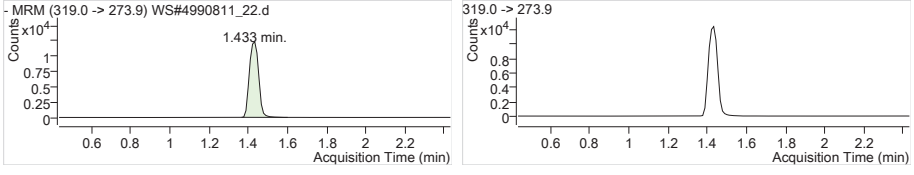
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 112.63 µg/Kg
Area ratio: 0.34312
Sample type: Sample



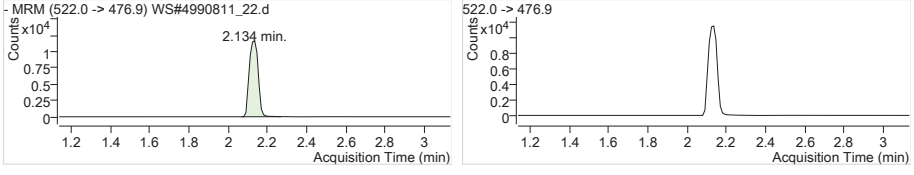
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 118.49 µg/Kg
Area ratio: 0.05785
Sample type: Sample



13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 115.78 µg/Kg
Area ratio: 0.05830
Sample type: Sample



13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 157111.87 µg/Kg
Area ratio: 0
Sample type: Sample



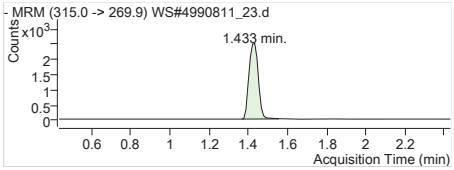
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 158485.35 µg/Kg
Area ratio: 0
Sample type: Sample

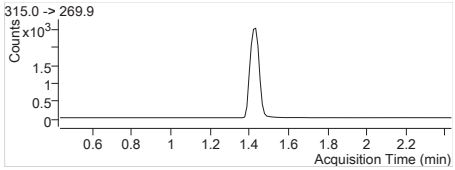
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI402-01:1000x**	**Instrument**	LCMS04
Data File	WS#4990811_23.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1311.906
Acq. Method	PFC_Soil.m	**Position**	P2-C1
Acq. Date	2017/05/24 10:05:37 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS only.		

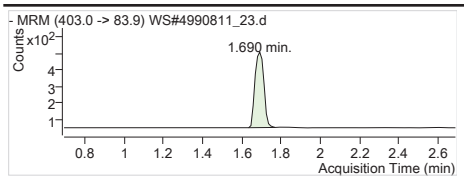
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8162	1.43	1 µg/Kg		
MPFHxS	1459	1.69	1 µg/Kg		
MPFHpA	9114	1.69	1 µg/Kg		
MPFOA	8824	1.87	1 µg/Kg		
MPFOS	1948	1.98	1 µg/Kg		
MPFNA	9023	2.01	1 µg/Kg		
MPFDA	7083	2.13	1 µg/Kg		
MPFUnA	8192	2.22	1 µg/Kg		
MPFDoA	9626	2.31	1 µg/Kg		
MPFTeDA	12320	2.46	1 µg/Kg		
M2 6:2 FTS	2219	1.83	1 µg/Kg		
M2 8:2 FTS	2192	2.10	1 µg/Kg		
13C6-PFHxA IS	40487	1.43	1 µg/Kg		
13C9-PFDA IS	37168	2.13	1 µg/Kg		

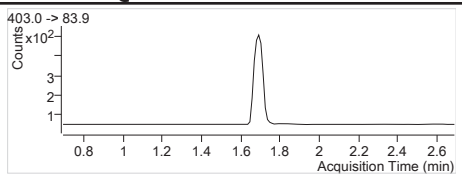
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	547	1.88	-	199.79 µg/Kg	-
PFOS 1	1860	1.98	-	3186.15 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1	254	2.11	-	346.31 µg/Kg	-
13C2-PFHxA	8162	1.43	-	104.68 µg/Kg	-
18O2-PFHxS	1459	1.69	-	100.97 µg/Kg	-
13C4-PFHpA	9114	1.69	-	107.14 µg/Kg	-
13C4-PFOA	8824	1.87	-	107.53 µg/Kg	-
13C4-PFOS	1948	1.98	-	109.66 µg/Kg	-
13C5-PFNA	9023	2.01	-	108.79 µg/Kg	-
13C2-PFDA	7083	2.13	-	101.68 µg/Kg	-
13C2-PFUnA	8192	2.22	-	101.96 µg/Kg	-
13C2-PFDoA	9626	2.31	-	104.48 µg/Kg	-
13C2-PFTeDA	12320	2.46	-	108.80 µg/Kg	-
13C2-6:2-FTS	2219	1.83	-	112.26 µg/Kg	-
13C2-8:2 FTS	2192	2.10	-	107.52 µg/Kg	-
13C6-PFHxA	40487	1.43	-	131665.40 µg/Kg	-
13C9-PFDA	37168	2.13	-	133801.74 µg/Kg	-



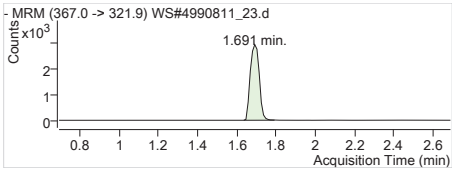


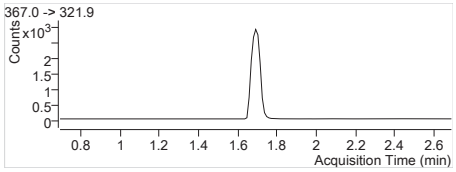
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



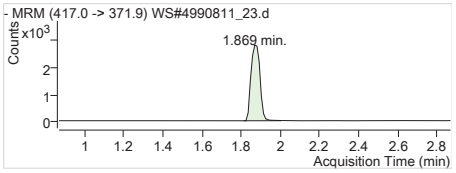


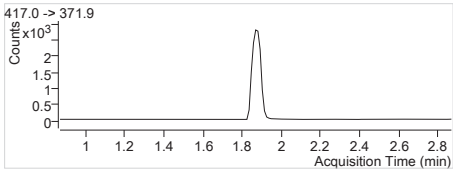
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



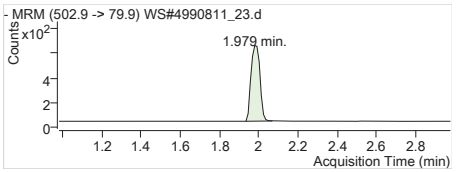


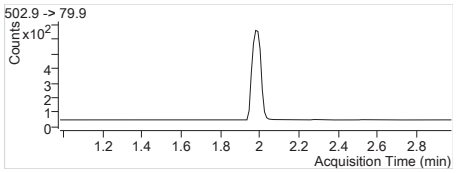
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



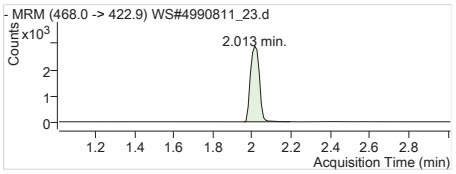


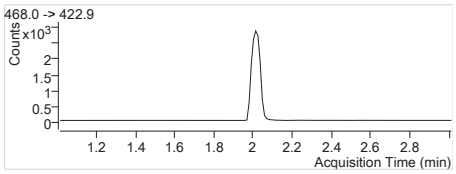
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



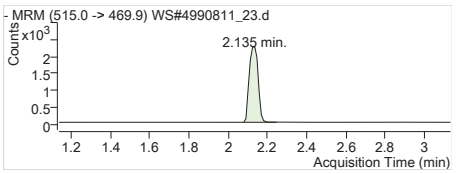


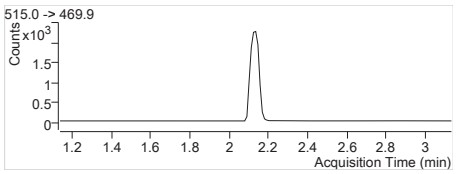
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



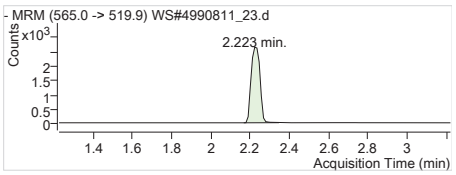


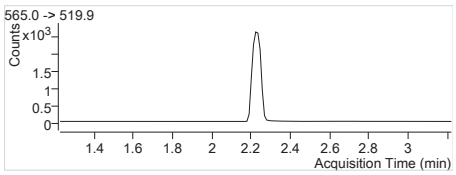
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



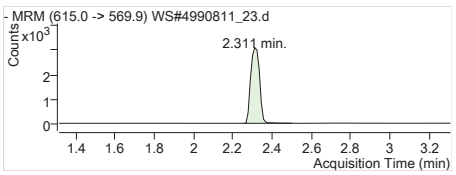


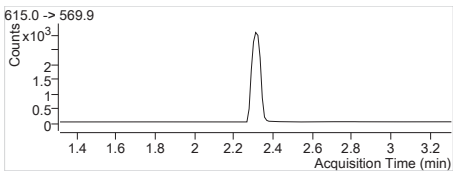
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



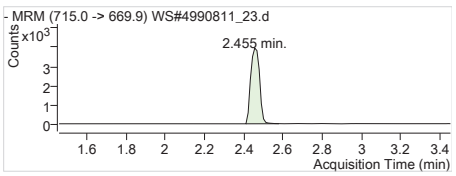


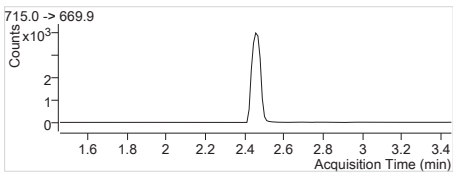
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



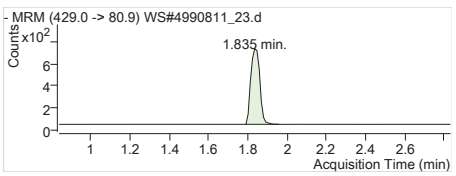


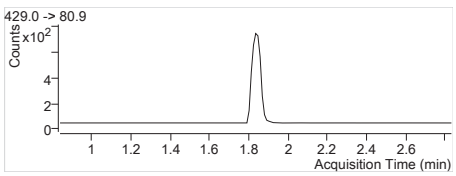
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



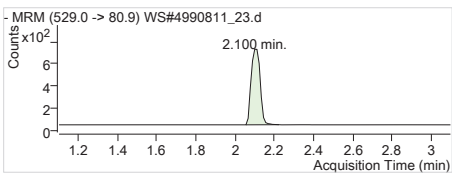


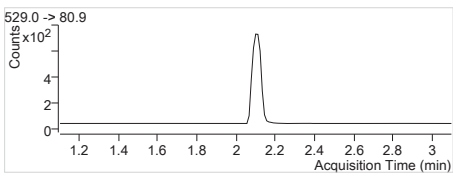
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



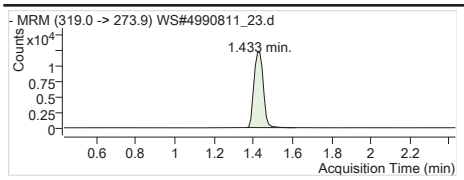


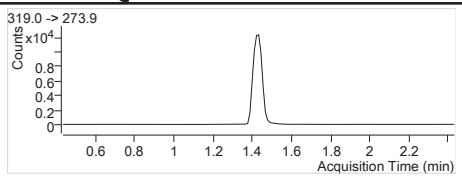
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



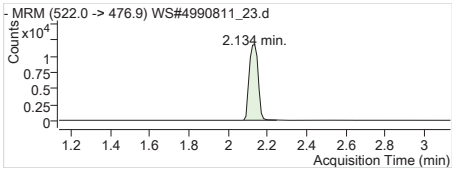


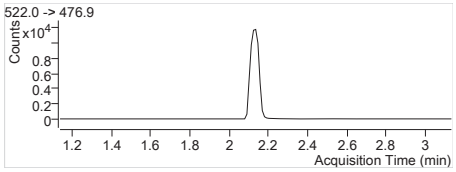
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



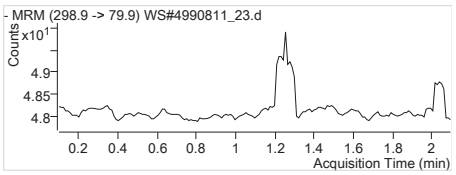


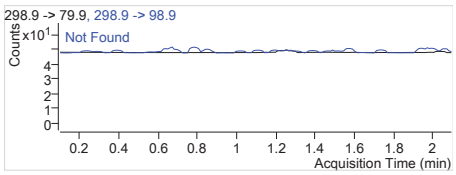
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



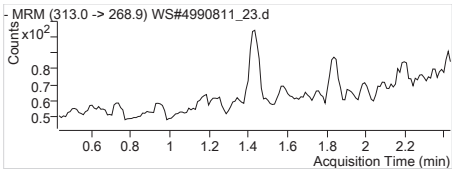


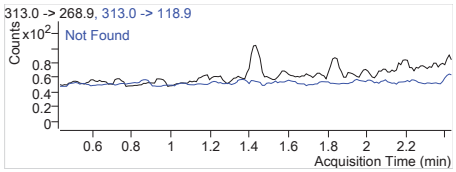
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



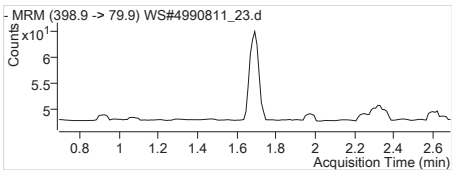


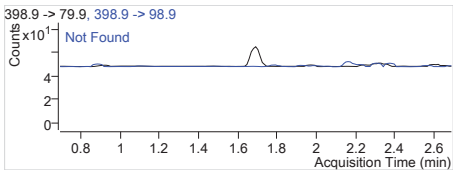
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



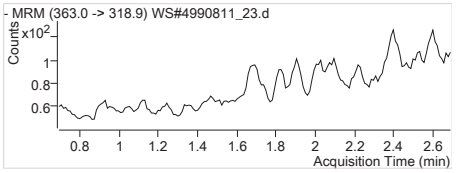


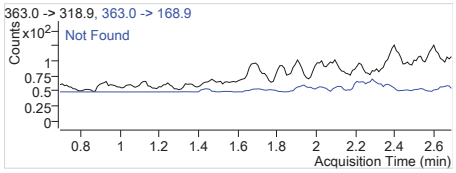
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



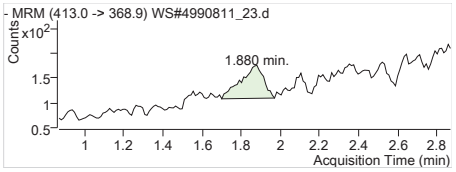


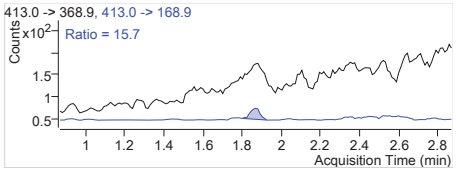
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



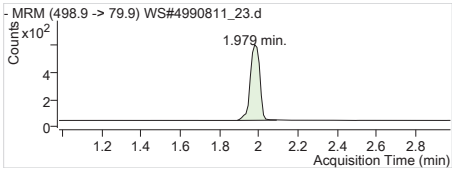


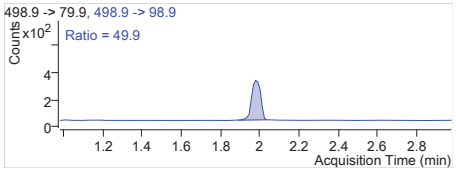
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



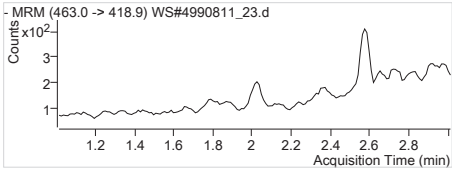


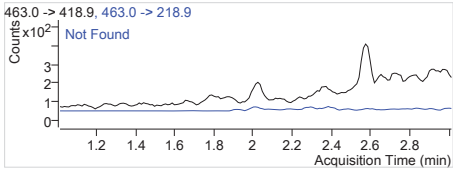
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.880 (1.869)
Calc. conc. 199.79 µg/Kg
Area ratio: 0.06199
Sample type: Sample



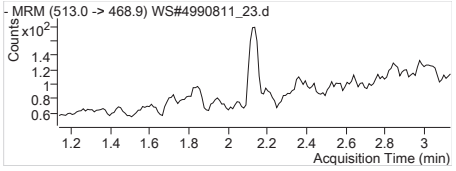


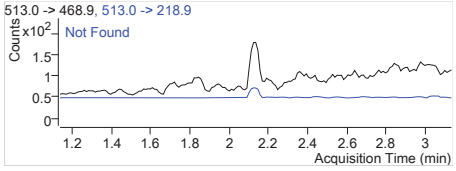
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 3186.15 µg/Kg
Area ratio: 0.95483
Sample type: Sample



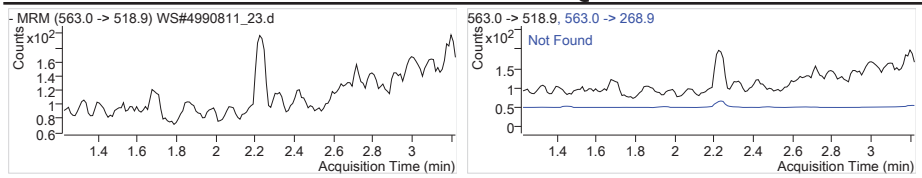


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

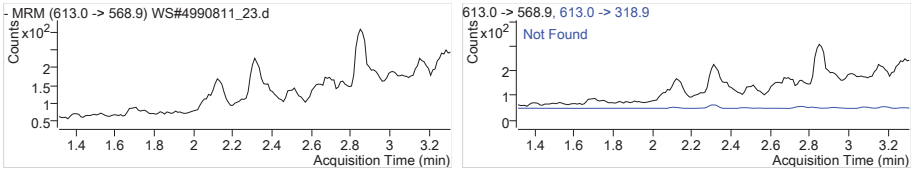




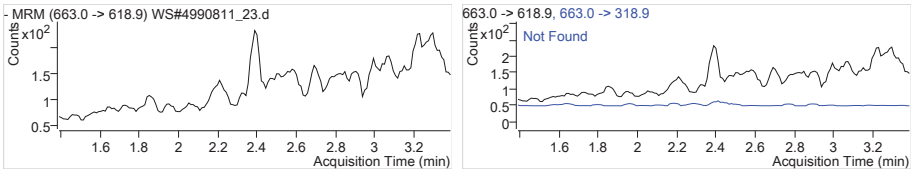
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



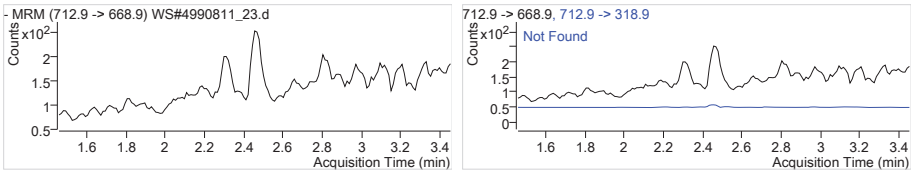
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



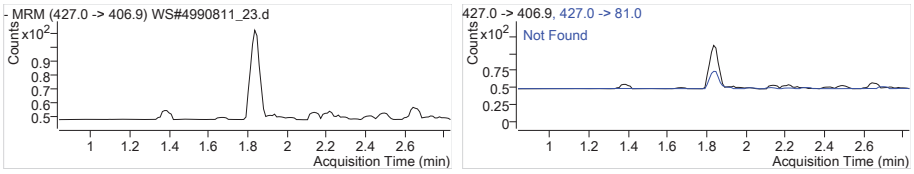
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



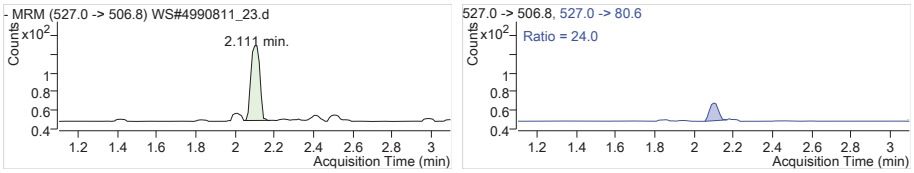
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



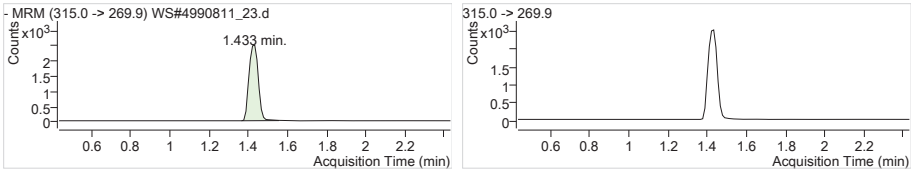
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



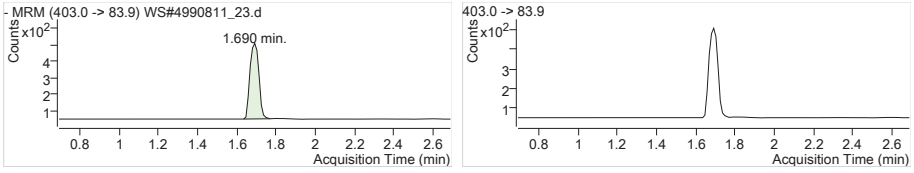
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



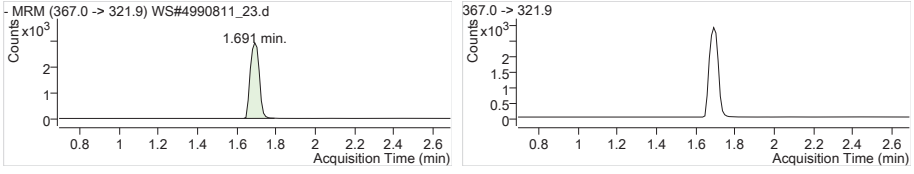
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.111 (2.100)
Calc. conc. 346.31 µg/Kg
Area ratio: 0.11588
Sample type: Sample



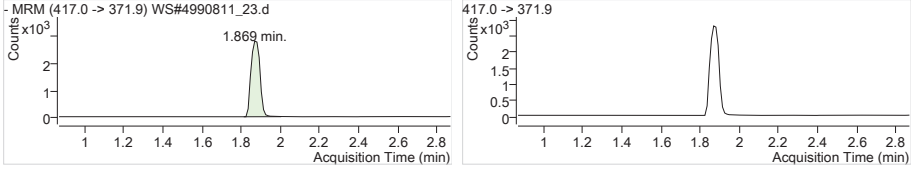
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 104.68 µg/Kg
Area ratio: 0.20160
Sample type: Sample



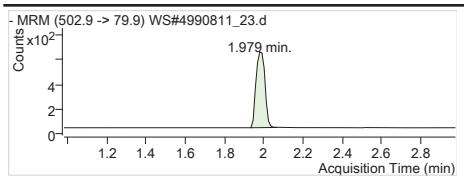
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 100.97 µg/Kg
Area ratio: 0.03604
Sample type: Sample

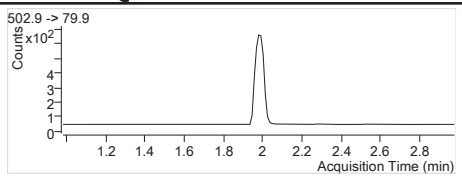


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 107.14 µg/Kg
Area ratio: 0.22511
Sample type: Sample

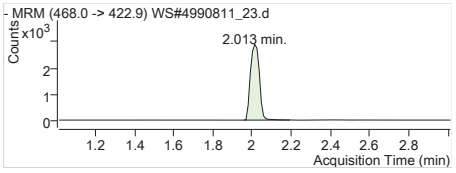


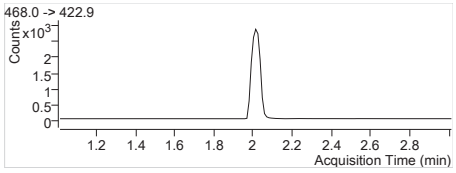
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 107.53 µg/Kg
Area ratio: 0.21795
Sample type: Sample



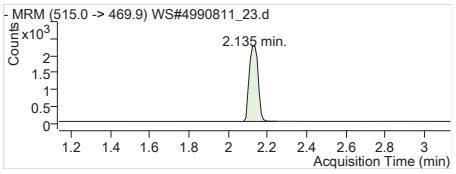


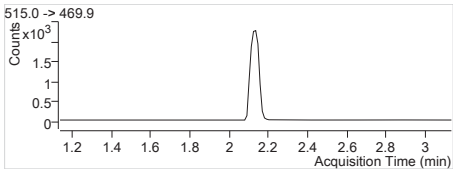
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 109.66 µg/Kg
Area ratio: 0.04811
Sample type: Sample



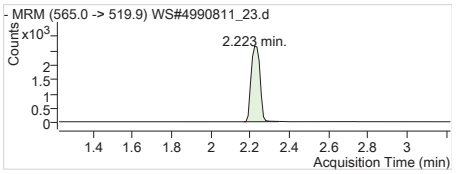


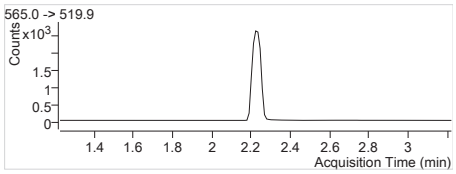
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 108.79 µg/Kg
Area ratio: 0.22286
Sample type: Sample



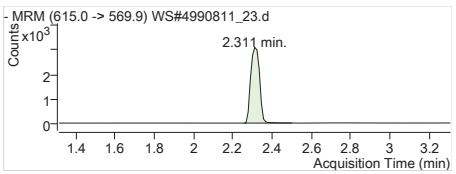


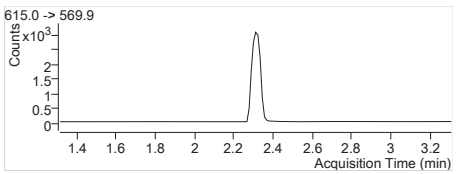
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 101.68 µg/Kg
Area ratio: 0.19057
Sample type: Sample



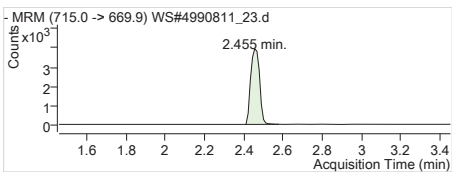


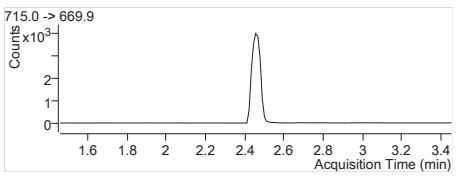
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 101.96 µg/Kg
Area ratio: 0.22040
Sample type: Sample



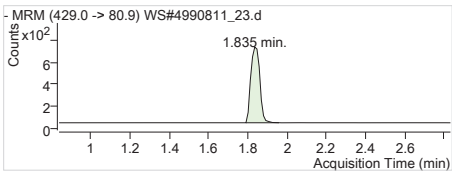


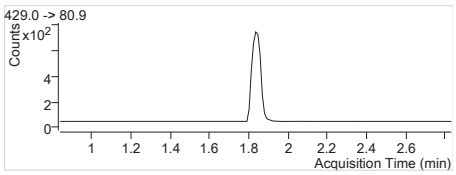
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 104.48 µg/Kg
Area ratio: 0.25899
Sample type: Sample



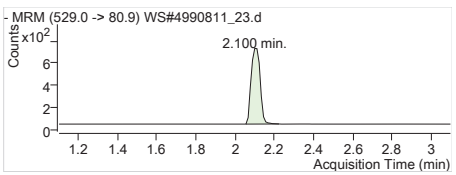


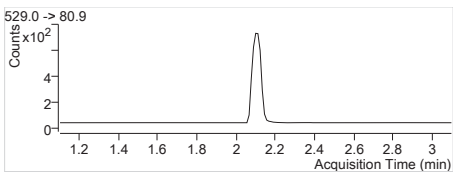
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 108.80 µg/Kg
Area ratio: 0.33147
Sample type: Sample



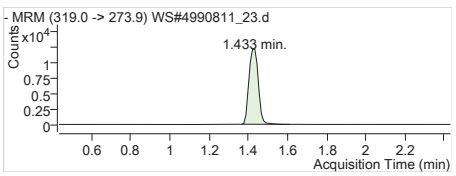


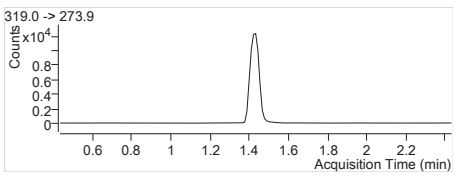
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 112.26 µg/Kg
Area ratio: 0.05481
Sample type: Sample



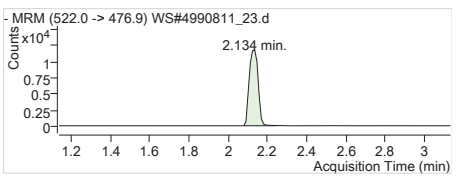


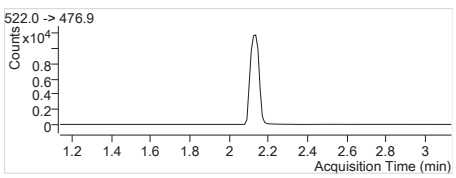
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 107.52 µg/Kg
Area ratio: 0.05414
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 131665.40 µg/Kg
Area ratio: 0
Sample type: Sample





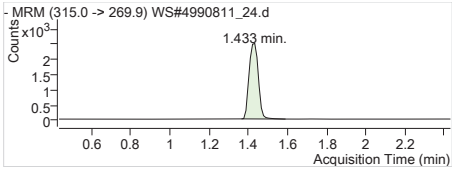
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 133801.74 µg/Kg
Area ratio: 0
Sample type: Sample

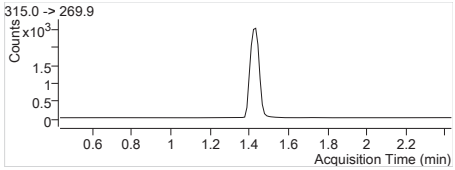
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI404-01:1000x**	**Instrument**	LCMS04
Data File	WS#4990811_24.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1598.082
Acq. Method	PFC_Soil.m	**Position**	P2-C3
Acq. Date	2017/05/24 10:10:31 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for 8:2FTS, PFOS only.		

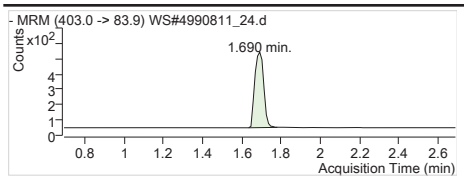
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8095	1.43	1 µg/Kg		
MPFHxS	1568	1.69	1 µg/Kg		
MPFHpA	9195	1.69	1 µg/Kg		
MPFOA	9094	1.87	1 µg/Kg		
MPFOS	1975	1.98	1 µg/Kg		
MPFNA	9125	2.01	1 µg/Kg		
MPFDA	7285	2.13	1 µg/Kg		
MPFUnA	8476	2.22	1 µg/Kg		
MPFDoA	10152	2.31	1 µg/Kg		
MPFTeDA	11937	2.46	1 µg/Kg		
M2 6:2 FTS	2267	1.83	1 µg/Kg		
M2 8:2 FTS	2026	2.10	1 µg/Kg		
13C6-PFHxA IS	38329	1.43	1 µg/Kg		
13C9-PFDA IS	35527	2.12	1 µg/Kg		

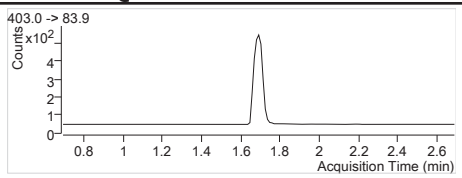
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	354	1.87	-	165.63 µg/Kg	-
PFOS 1	3348	1.98	-	6895.60 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	418	1.84	-	571.48 µg/Kg	-
8:2-FTS 1	608	2.10	-	1190.72 µg/Kg	-
13C2-PFHxA	8095	1.43	-	109.67 µg/Kg	-
18O2-PFHxS	1568	1.69	-	114.62 µg/Kg	-
13C4-PFHpA	9195	1.69	-	114.18 µg/Kg	-
13C4-PFOA	9094	1.87	-	117.06 µg/Kg	-
13C4-PFOS	1975	1.98	-	117.44 µg/Kg	-
13C5-PFNA	9125	2.01	-	116.22 µg/Kg	-
13C2-PFDA	7285	2.13	-	109.41 µg/Kg	-
13C2-PFUnA	8476	2.22	-	110.36 µg/Kg	-
13C2-PFDoA	10152	2.31	-	115.28 µg/Kg	-
13C2-PFTeDA	11937	2.46	-	110.29 µg/Kg	-
13C2-6:2-FTS	2267	1.83	-	121.15 µg/Kg	-
13C2-8:2 FTS	2026	2.10	-	104.97 µg/Kg	-
13C6-PFHxA	38329	1.43	-	151837.80 µg/Kg	-
13C9-PFDA	35527	2.12	-	155792.82 µg/Kg	-



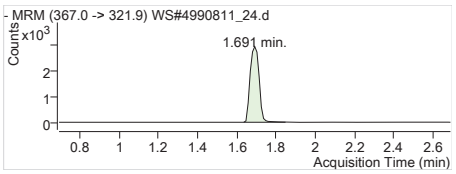


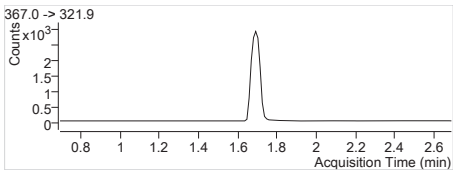
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



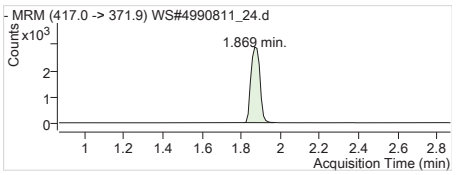


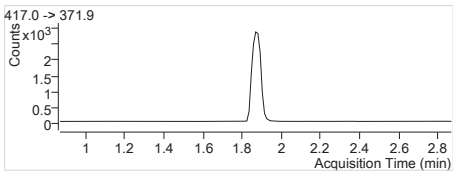
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



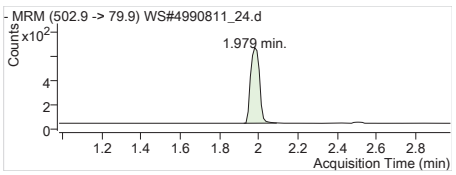


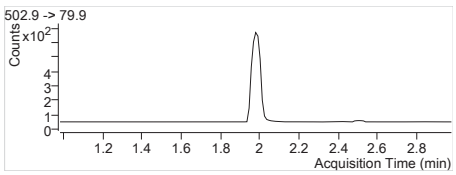
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



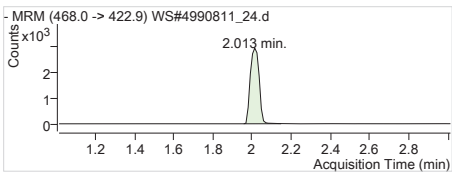


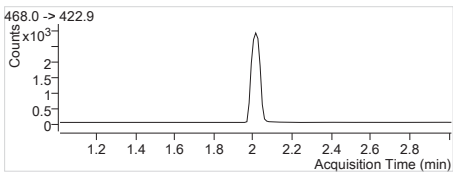
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



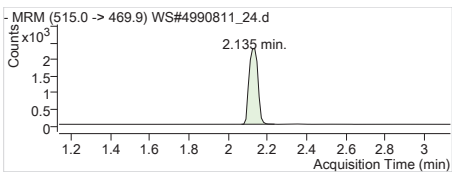


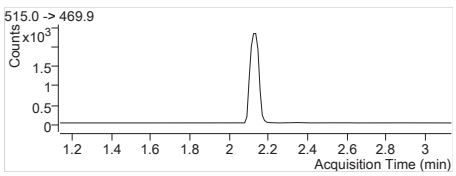
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



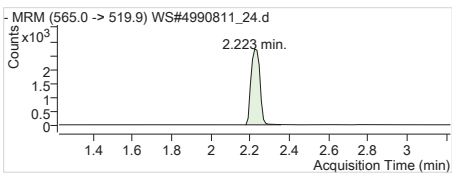


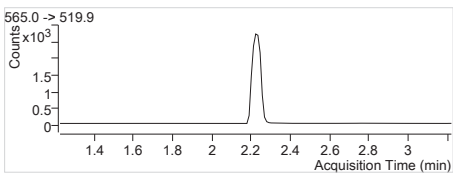
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



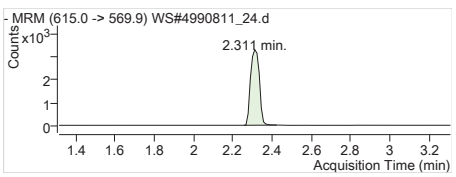


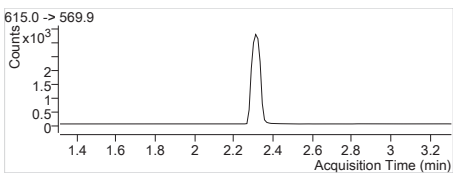
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



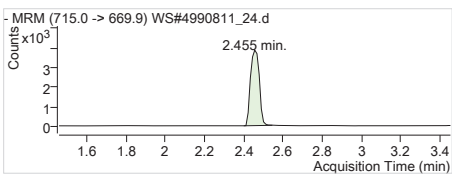


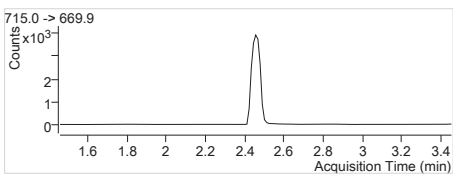
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



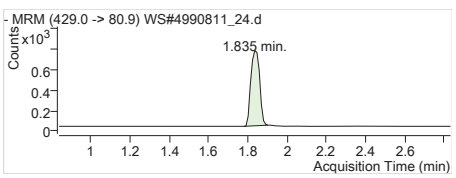


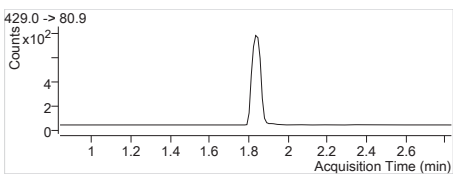
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



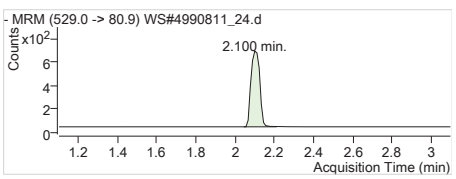


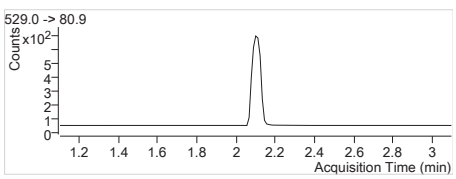
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



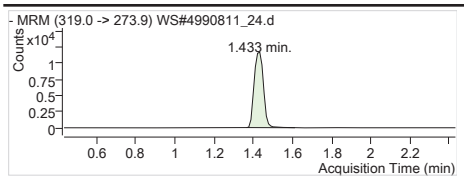


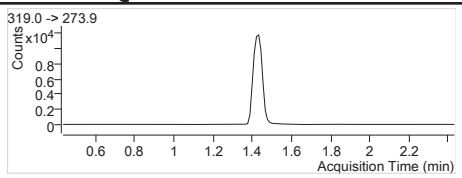
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



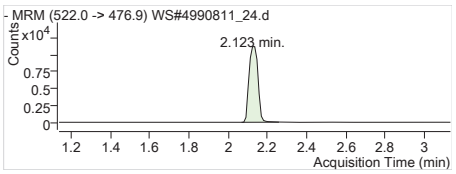


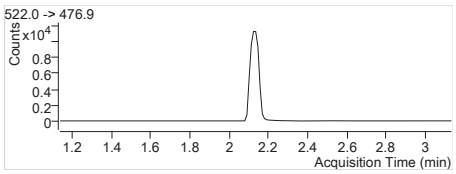
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



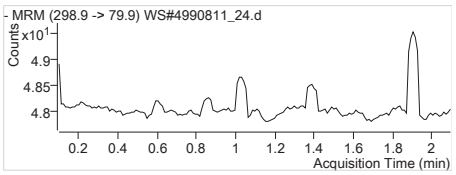


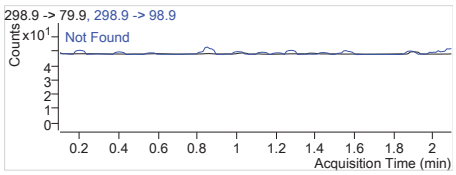
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



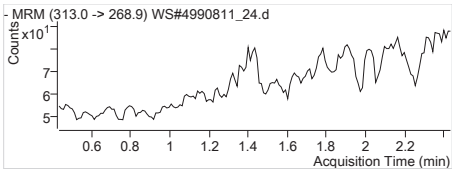


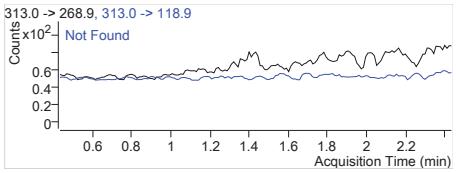
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



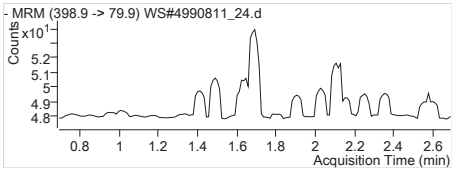


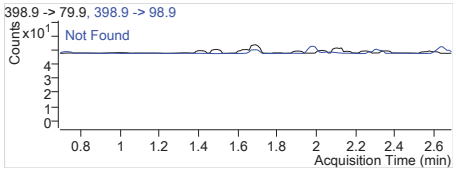
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



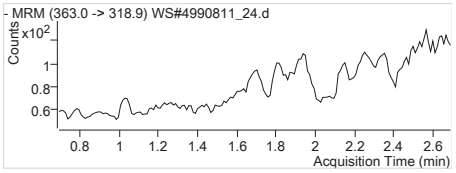


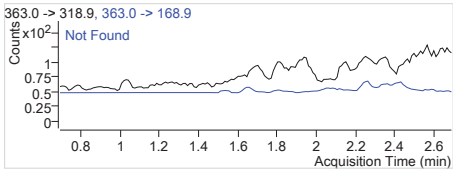
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample





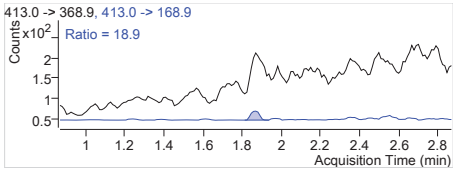
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



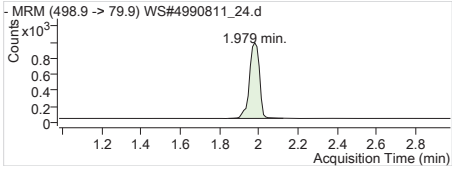


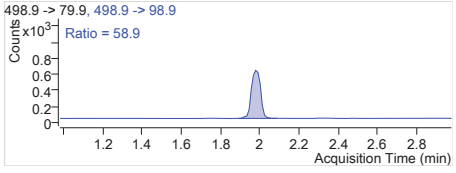
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



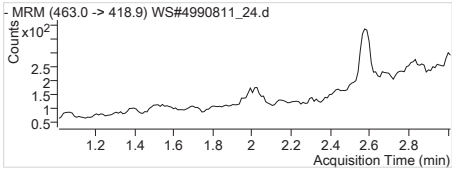


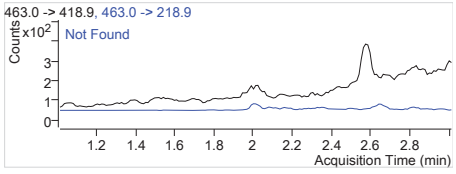
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 165.63 µg/Kg
Area ratio: 0.03893
Sample type: Sample



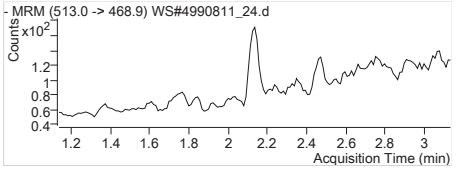


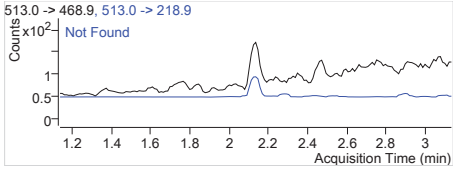
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 6895.60 µg/Kg
Area ratio: 1.69519
Sample type: Sample



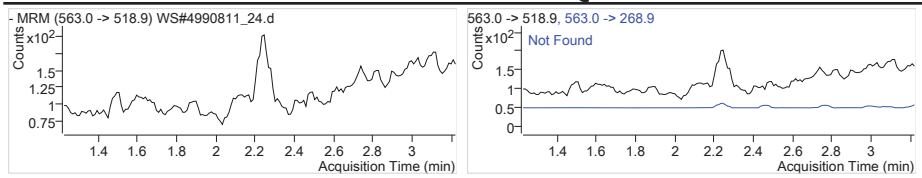


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

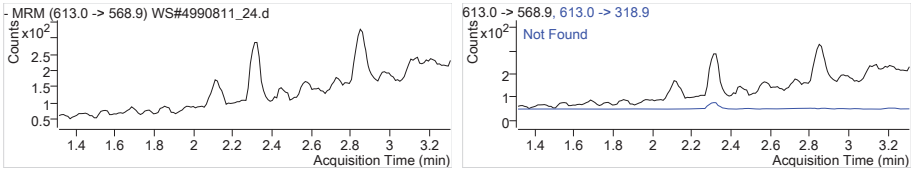




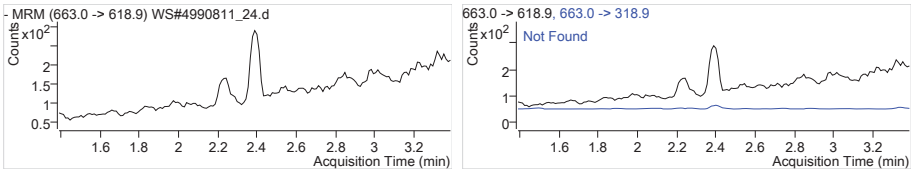
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



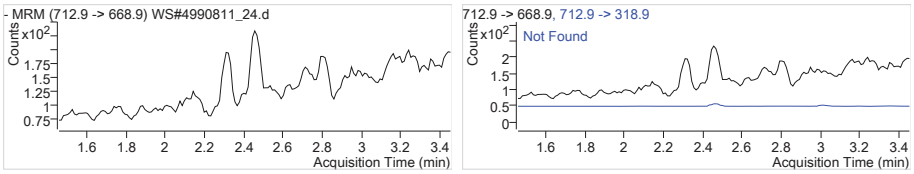
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



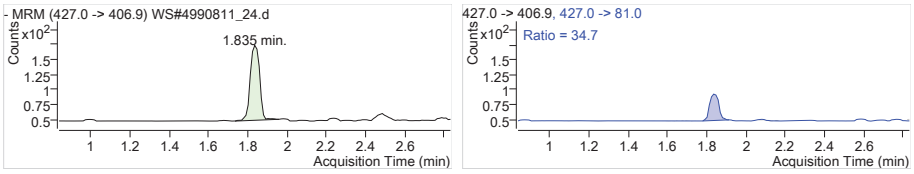
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



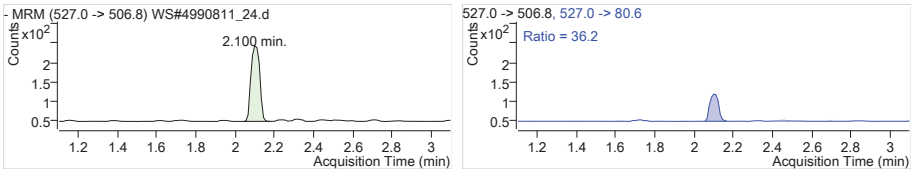
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



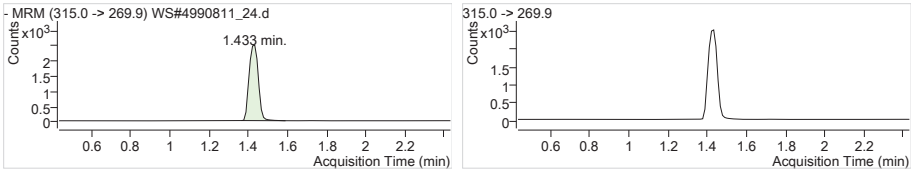
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



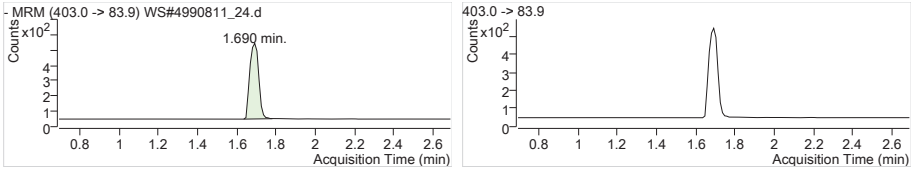
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 571.48 µg/Kg
Area ratio: 0.18438
Sample type: Sample



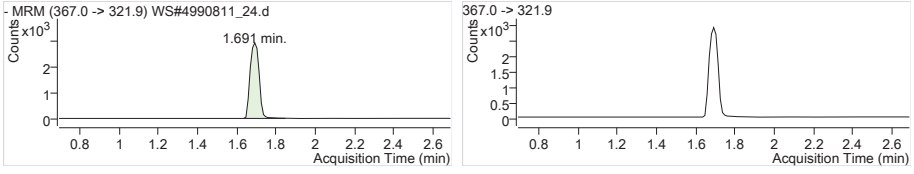
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 1190.72 µg/Kg
Area ratio: 0.30010
Sample type: Sample



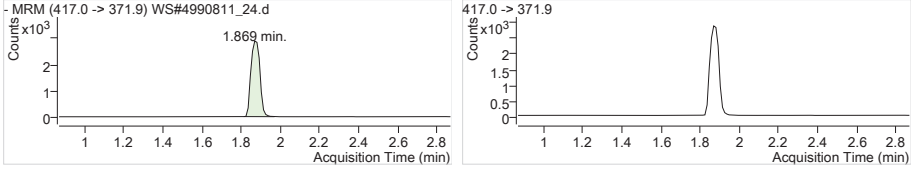
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 109.67 µg/Kg
Area ratio: 0.21120
Sample type: Sample



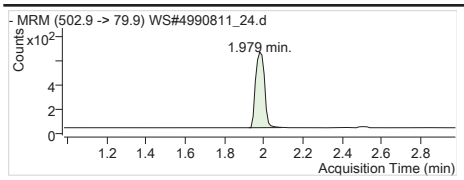
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 114.62 µg/Kg
Area ratio: 0.04091
Sample type: Sample

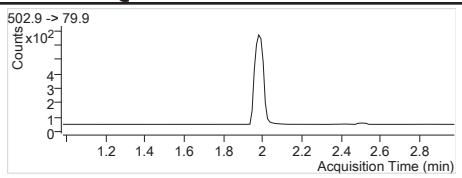


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 114.18 µg/Kg
Area ratio: 0.23990
Sample type: Sample

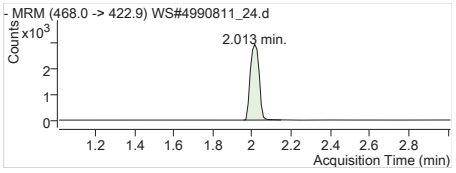


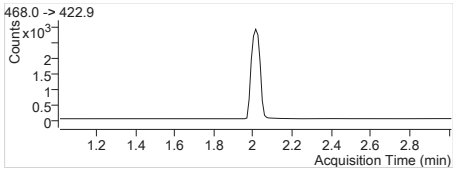
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 117.06 µg/Kg
Area ratio: 0.23726
Sample type: Sample



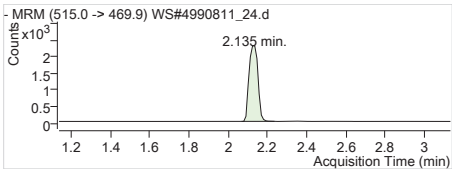


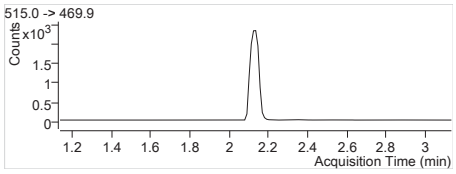
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 117.44 µg/Kg
Area ratio: 0.05153
Sample type: Sample



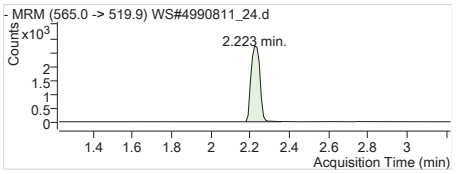


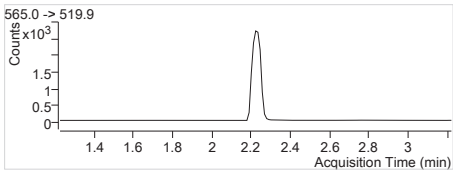
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 116.22 µg/Kg
Area ratio: 0.23807
Sample type: Sample



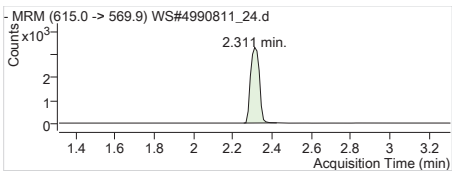


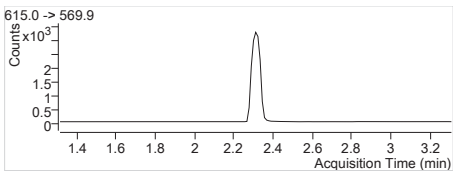
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 109.41 µg/Kg
Area ratio: 0.20506
Sample type: Sample



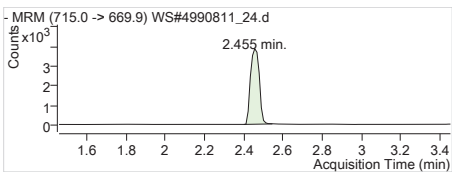


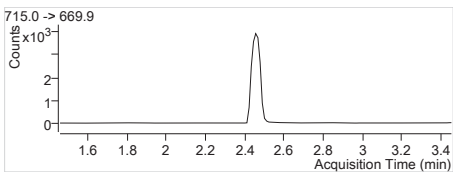
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 110.36 µg/Kg
Area ratio: 0.23858
Sample type: Sample



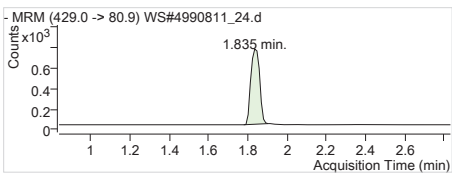


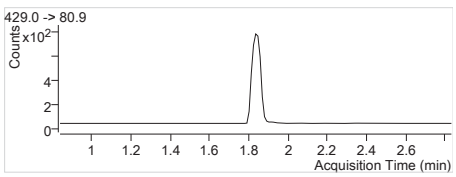
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 115.28 µg/Kg
Area ratio: 0.28575
Sample type: Sample



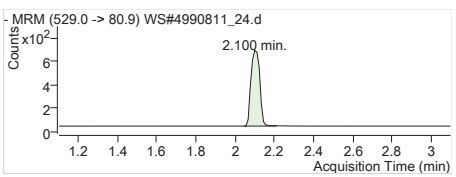


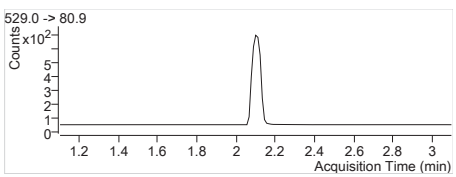
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 110.29 µg/Kg
Area ratio: 0.33600
Sample type: Sample



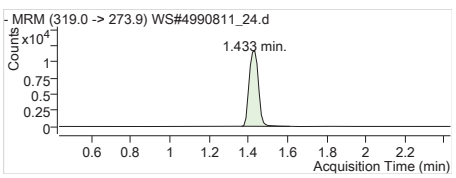


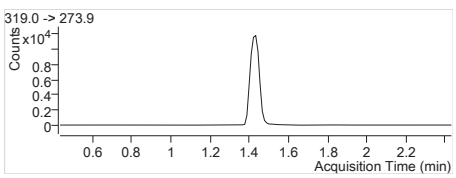
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 121.15 µg/Kg
Area ratio: 0.05915
Sample type: Sample



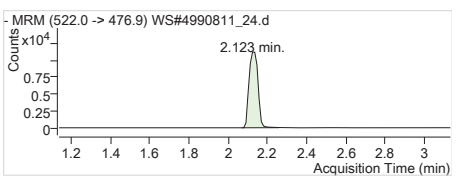


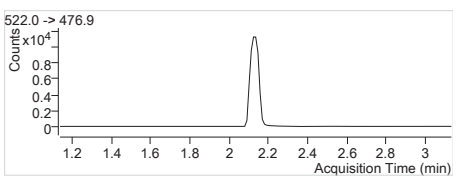
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 104.97 µg/Kg
Area ratio: 0.05286
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 151837.80 µg/Kg
Area ratio: 0
Sample type: Sample





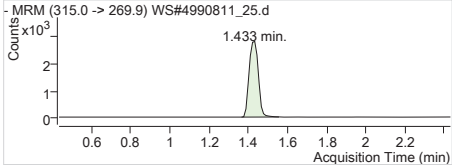
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 155792.82 µg/Kg
Area ratio: 0
Sample type: Sample

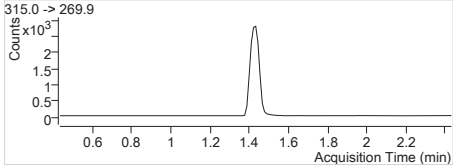
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI405-01**	**Instrument**	LCMS04
Data File	WS#4990811_25.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.272
Acq. Method	PFC_Soil.m	**Position**	P2-C5
Acq. Date	2017/05/24 10:15:25 PM	**Injection Volume**	Per Method
Sample Annotation	-		

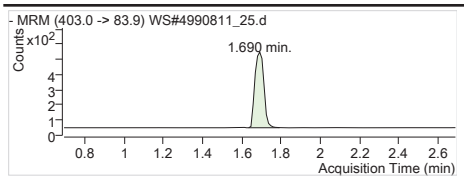
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9047	1.43	1 µg/Kg		
MPFHxS	1595	1.69	1 µg/Kg		
MPFHpA	10060	1.69	1 µg/Kg		
MPFOA	9941	1.87	1 µg/Kg		
MPFOS	2147	1.98	1 µg/Kg		
MPFNA	9229	2.01	1 µg/Kg		
MPFDA	8328	2.13	1 µg/Kg		
MPFUnA	8710	2.22	1 µg/Kg		
MPFDoA	9746	2.31	1 µg/Kg		
MPFTeDA	11299	2.46	1 µg/Kg		
M2 6:2 FTS	2249	1.83	1 µg/Kg		
M2 8:2 FTS	2338	2.10	1 µg/Kg		
13C6-PFHxA IS	43822	1.43	1 µg/Kg		
13C9-PFDA IS	41383	2.13	1 µg/Kg		

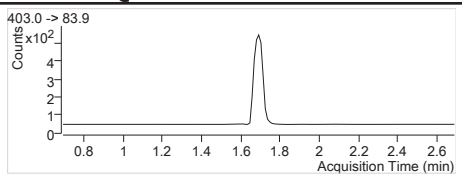
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	739	1.43	-	0.25 µg/Kg	-
PFHxS 1	477	1.69	-	0.89 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	875	1.87	-	0.26 µg/Kg	-
PFOS 1	18667	1.98	-	28.17 µg/Kg	-
PFNA 1	1670	2.01	-	0.55 µg/Kg	-
PFDA 1	1338	2.14	-	0.28 µg/Kg	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	332	1.84	-	0.35 µg/Kg	-
8:2-FTS 1	240	2.10	-	0.29 µg/Kg	-
13C2-PFHxA	9047	1.43	-	107.20 µg/Kg	-
18O2-PFHxS	1595	1.69	-	101.98 µg/Kg	-
13C4-PFHpA	10060	1.69	-	109.26 µg/Kg	-
13C4-PFOA	9941	1.87	-	111.93 µg/Kg	-
13C4-PFOS	2147	1.98	-	111.66 µg/Kg	-
13C5-PFNA	9229	2.01	-	102.81 µg/Kg	-
13C2-PFDA	8328	2.13	-	107.37 µg/Kg	-
13C2-PFUnA	8710	2.22	-	97.36 µg/Kg	-
13C2-PFDoA	9746	2.31	-	95.01 µg/Kg	-
13C2-PFTeDA	11299	2.46	-	89.62 µg/Kg	-
13C2-6:2-FTS	2249	1.83	-	105.12 µg/Kg	-
13C2-8:2 FTS	2338	2.10	-	105.95 µg/Kg	-
13C6-PFHxA	43822	1.43	-	138.18 µg/Kg	-
13C9-PFDA	41383	2.13	-	144.44 µg/Kg	-



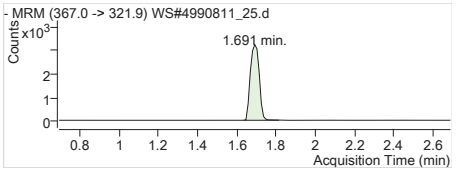


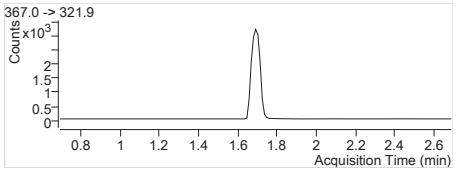
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



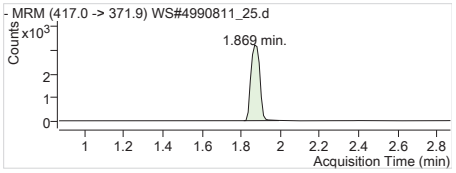


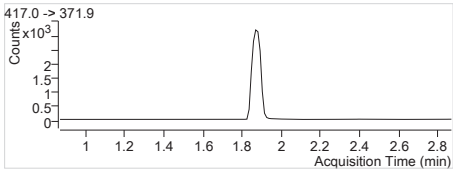
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



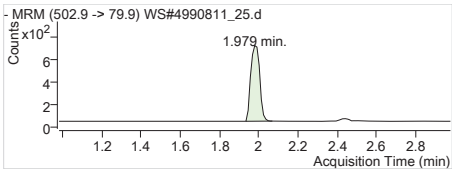


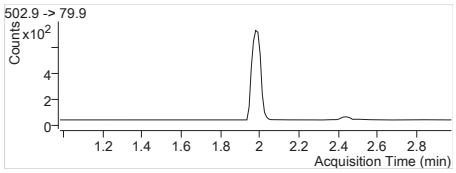
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



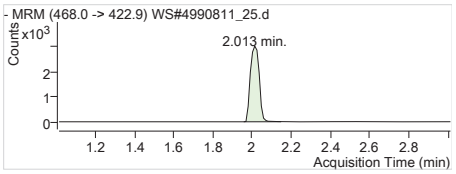


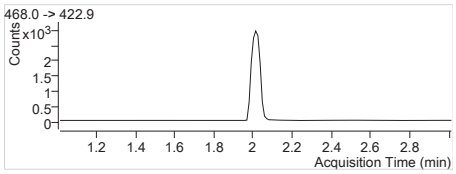
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



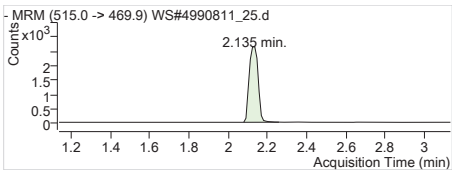


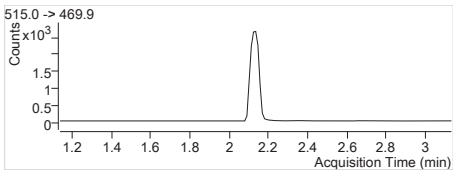
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



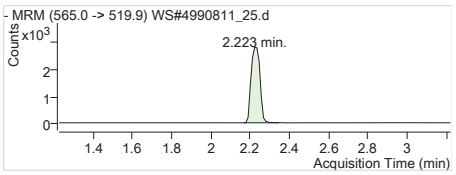


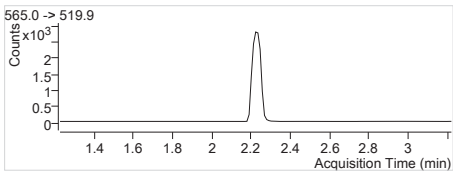
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



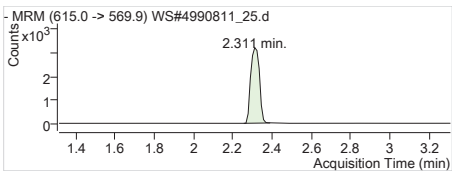


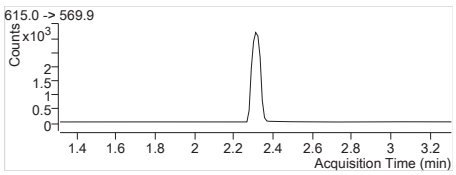
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



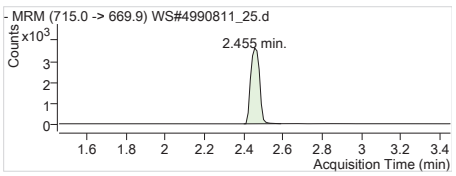


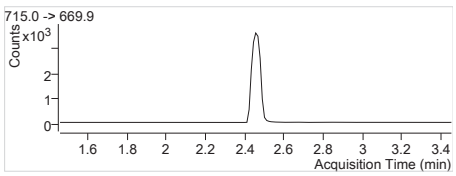
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



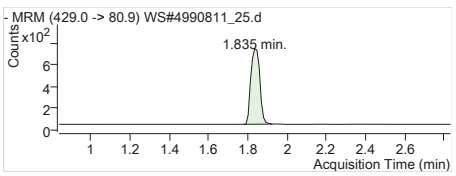


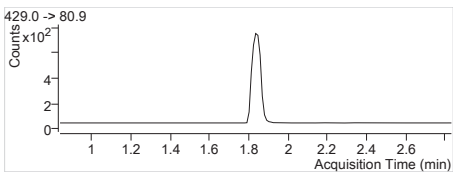
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



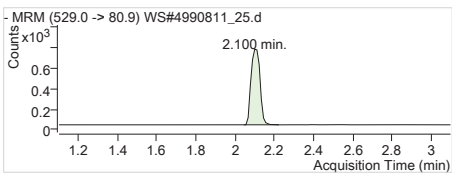


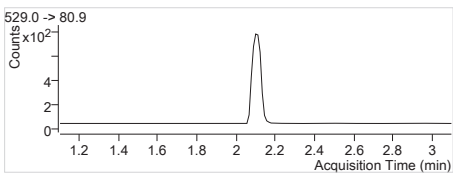
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



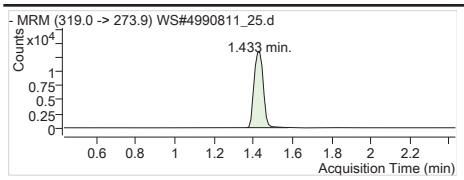


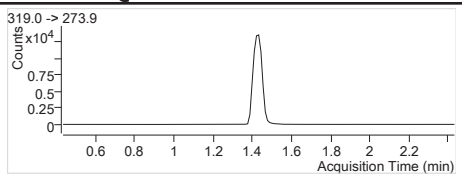
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



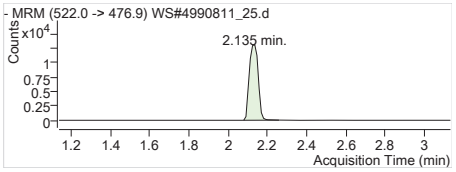


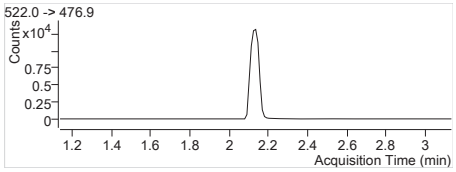
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



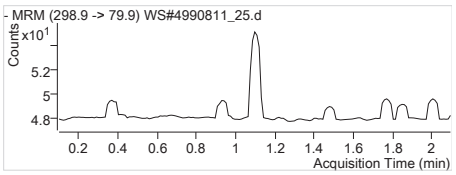


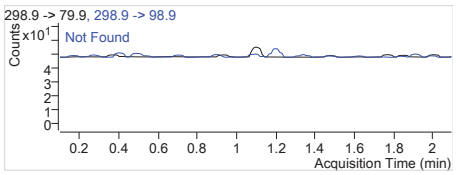
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



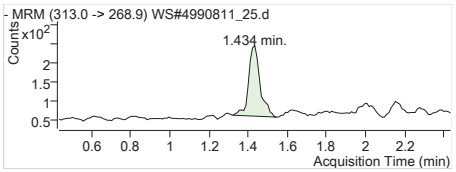


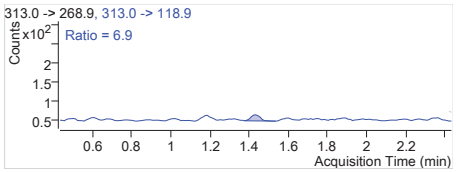
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



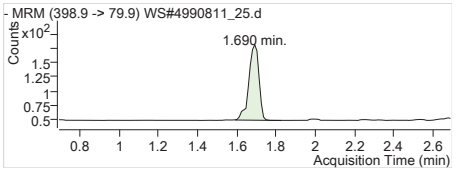


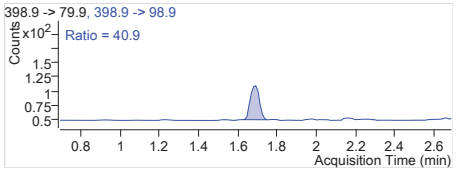
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



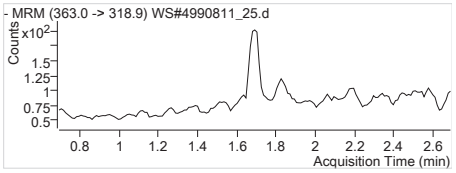


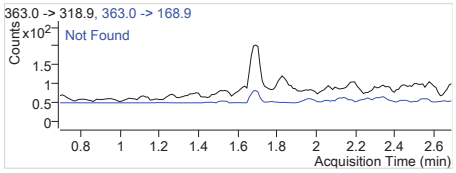
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 0.25 µg/Kg
Area ratio: 0.08168
Sample type: Sample



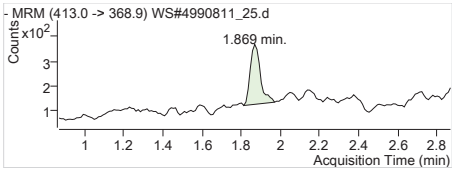


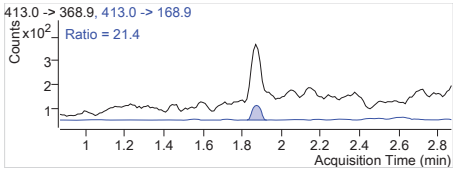
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 0.89 µg/Kg
Area ratio: 0.29906
Sample type: Sample



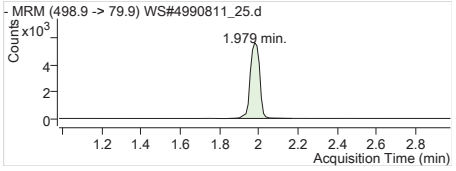


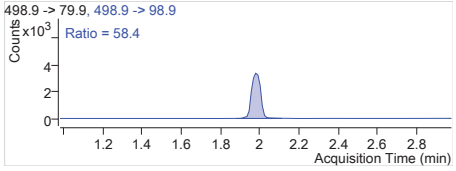
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



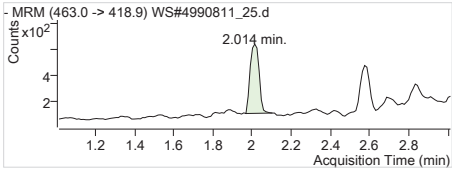


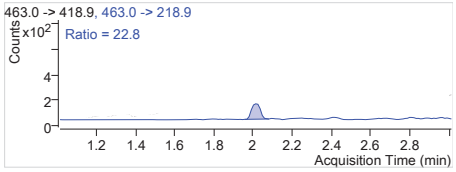
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.26 µg/Kg
Area ratio: 0.08802
Sample type: Sample



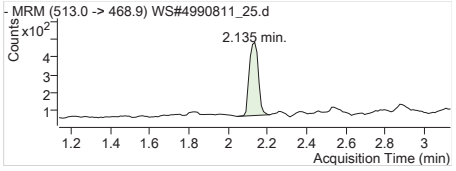


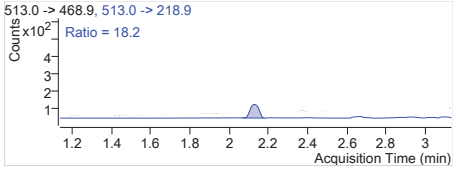
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 28.17 µg/Kg
Area ratio: 8.69446
Sample type: Sample



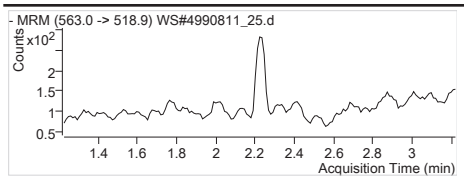


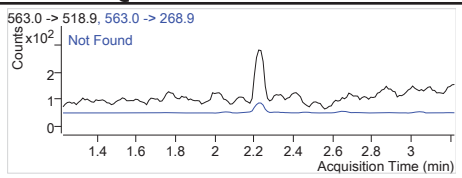
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.55 µg/Kg
Area ratio: 0.18095
Sample type: Sample



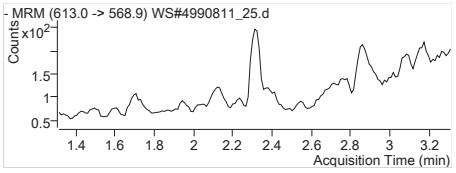


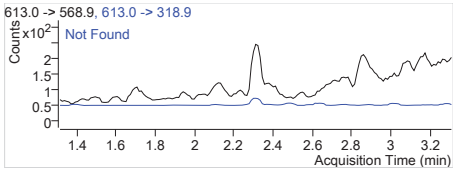
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 0.28 µg/Kg
Area ratio: 0.16066
Sample type: Sample



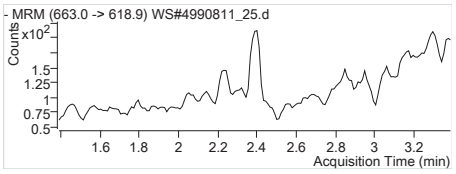


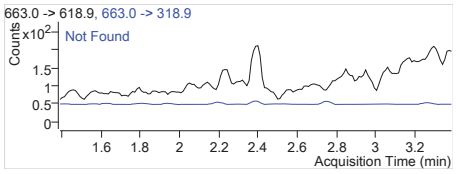
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



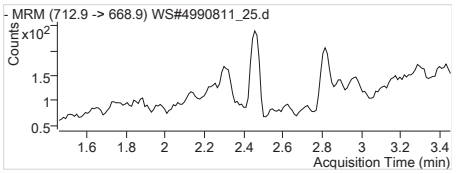


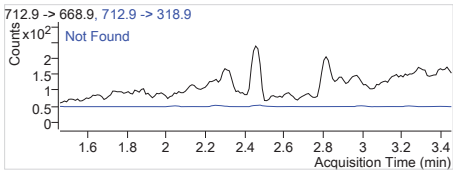
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



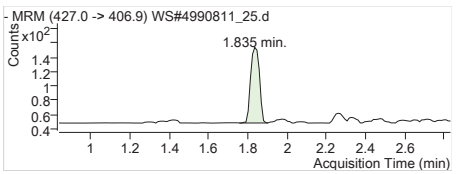


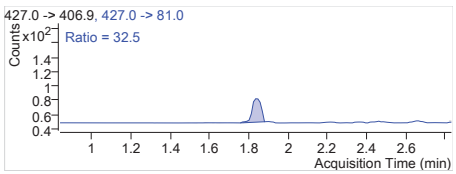
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



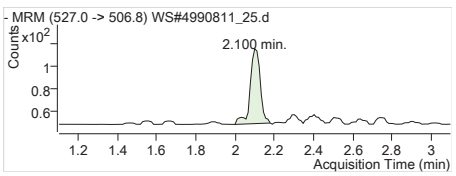


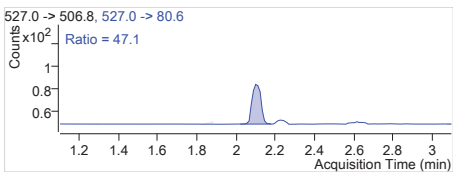
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



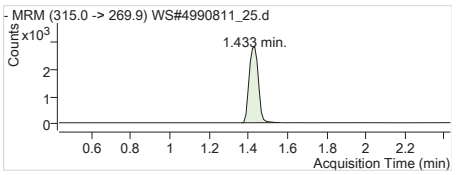


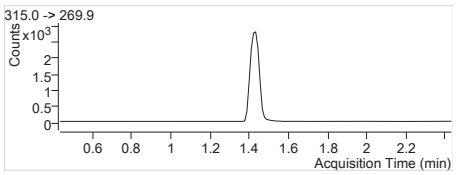
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 0.35 µg/Kg
Area ratio: 0.14762
Sample type: Sample



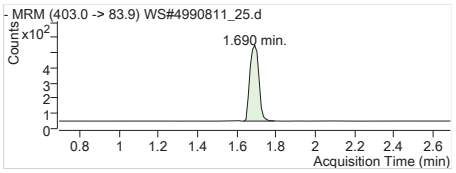


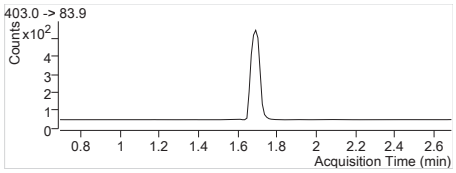
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 0.29 µg/Kg
Area ratio: 0.10265
Sample type: Sample



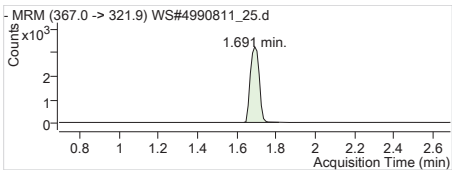


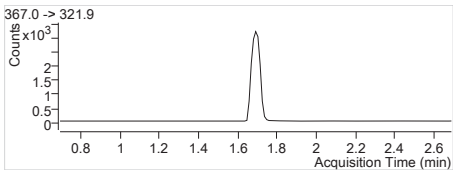
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 107.20 µg/Kg
Area ratio: 0.20645
Sample type: Sample



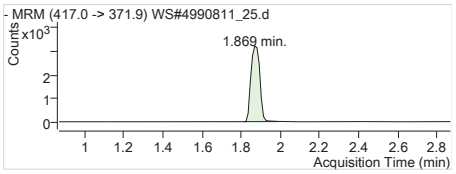


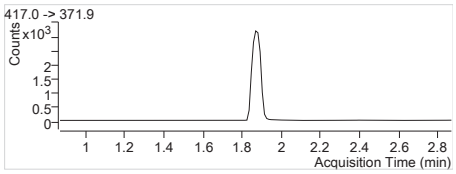
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 101.98 µg/Kg
Area ratio: 0.03640
Sample type: Sample



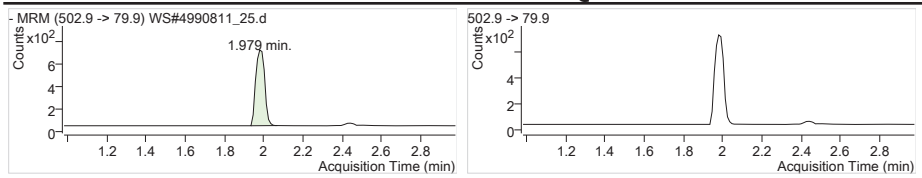


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 109.26 µg/Kg
Area ratio: 0.22957
Sample type: Sample

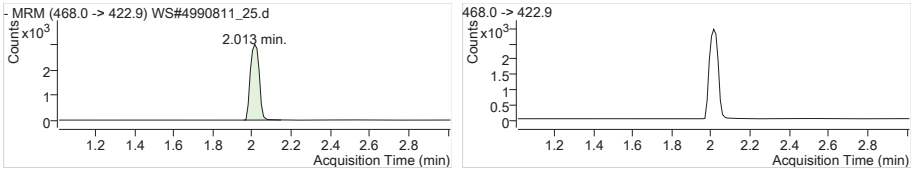




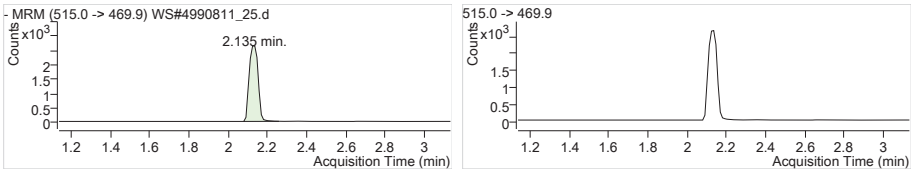
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 111.93 µg/Kg
Area ratio: 0.22685
Sample type: Sample



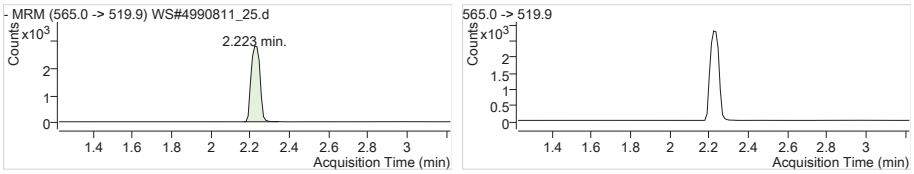
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 111.66 µg/Kg
Area ratio: 0.04899
Sample type: Sample



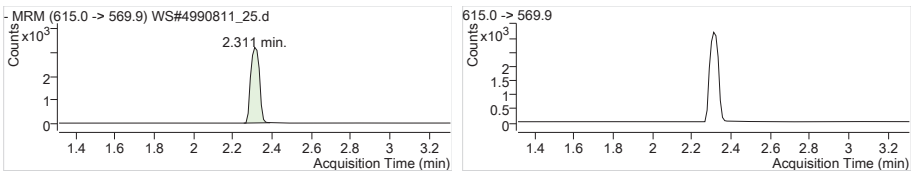
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 102.81 µg/Kg
Area ratio: 0.21060
Sample type: Sample



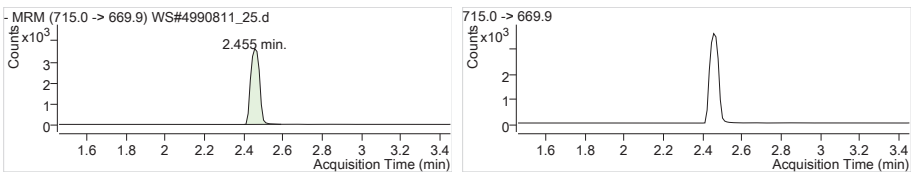
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 107.37 µg/Kg
Area ratio: 0.20124
Sample type: Sample



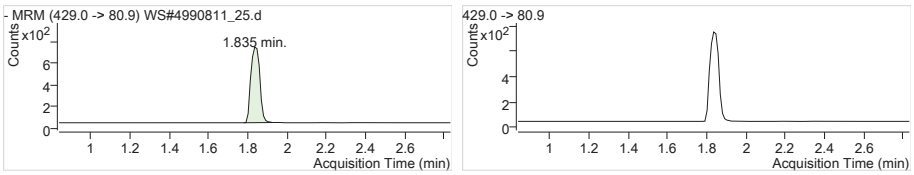
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 97.36 µg/Kg
Area ratio: 0.21047
Sample type: Sample



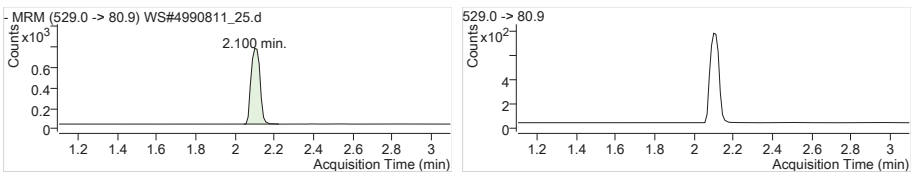
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 95.01 µg/Kg
Area ratio: 0.23551
Sample type: Sample



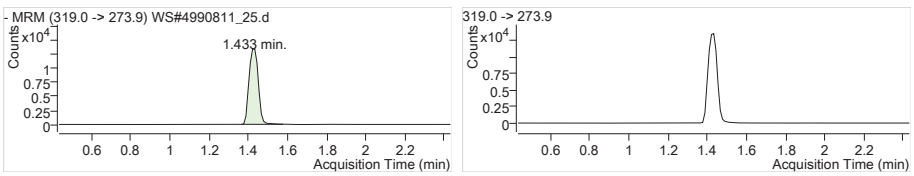
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 89.62 µg/Kg
Area ratio: 0.27303
Sample type: Sample



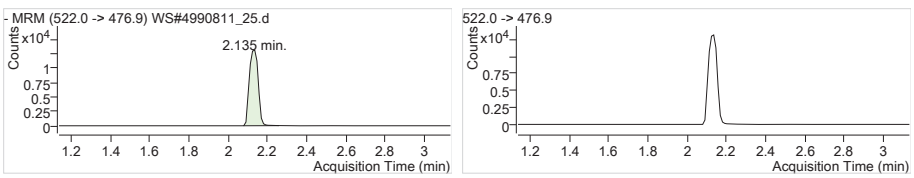
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 105.12 µg/Kg
Area ratio: 0.05132
Sample type: Sample



13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 105.95 µg/Kg
Area ratio: 0.05335
Sample type: Sample



13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 138.18 µg/Kg
Area ratio: 0
Sample type: Sample



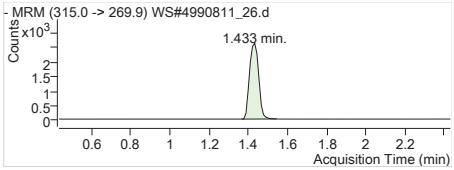
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 144.44 µg/Kg
Area ratio: 0
Sample type: Sample

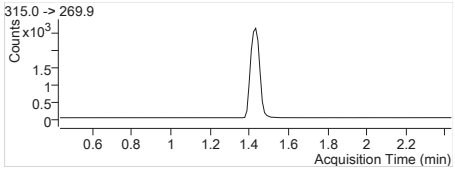
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI407-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_26.d	**Operator**	AD
Sample Type	Sample	**Dilution**	13.874
Acq. Method	PFC_Soil.m	**Position**	P2-C6
Acq. Date	2017/05/24 10:20:19 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS only.		

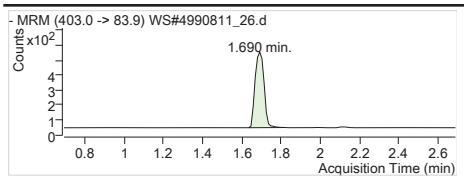
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8421	1.43	1 µg/Kg		
MPFHxS	1605	1.69	1 µg/Kg		
MPFHpA	9480	1.69	1 µg/Kg		
MPFOA	8869	1.87	1 µg/Kg		
MPFOS	1912	1.98	1 µg/Kg		
MPFNA	9031	2.01	1 µg/Kg		
MPFDA	8082	2.12	1 µg/Kg		
MPFUnA	8534	2.22	1 µg/Kg		
MPFDoA	9872	2.31	1 µg/Kg		
MPFTeDA	11783	2.46	1 µg/Kg		
M2 6:2 FTS	2054	1.83	1 µg/Kg		
M2 8:2 FTS	2235	2.10	1 µg/Kg		
13C6-PFHxA IS	42831	1.43	1 µg/Kg		
13C9-PFDA IS	36873	2.12	1 µg/Kg		

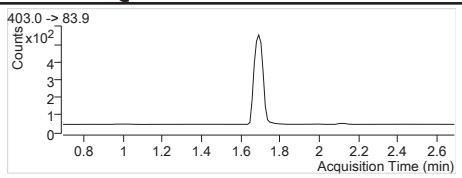
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	551	1.87	-	2.12 µg/Kg	-
PFOS 1	2761	1.98	-	50.99 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	495	1.84	-	6.77 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8421	1.43	-	102.09 µg/Kg	-
18O2-PFHxS	1605	1.69	-	104.99 µg/Kg	-
13C4-PFHpA	9480	1.69	-	105.34 µg/Kg	-
13C4-PFOA	8869	1.87	-	102.17 µg/Kg	-
13C4-PFOS	1912	1.98	-	101.74 µg/Kg	-
13C5-PFNA	9031	2.01	-	102.93 µg/Kg	-
13C2-PFDA	8082	2.12	-	116.95 µg/Kg	-
13C2-PFUnA	8534	2.22	-	107.06 µg/Kg	-
13C2-PFDoA	9872	2.31	-	108.01 µg/Kg	-
13C2-PFTeDA	11783	2.46	-	104.89 µg/Kg	-
13C2-6:2-FTS	2054	1.83	-	98.23 µg/Kg	-
13C2-8:2 FTS	2235	2.10	-	103.63 µg/Kg	-
13C6-PFHxA	42831	1.43	-	1473.04 µg/Kg	-
13C9-PFDA	36873	2.12	-	1403.78 µg/Kg	-



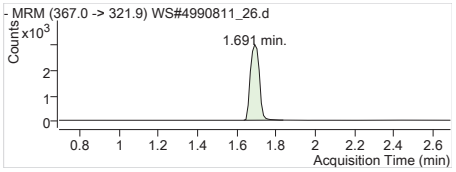


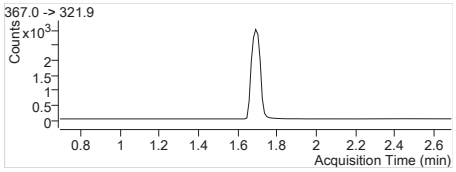
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



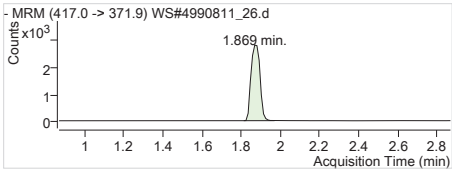


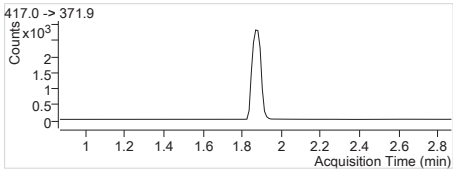
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



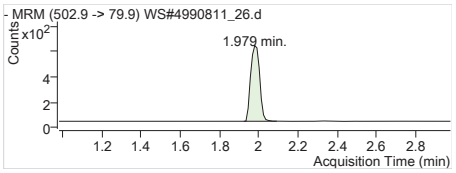


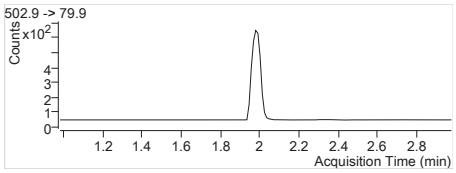
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



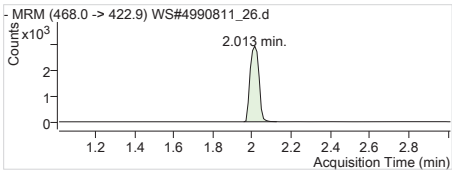


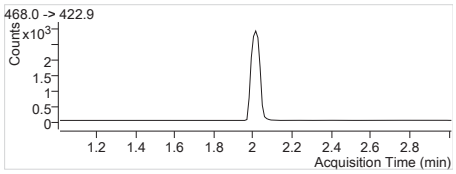
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



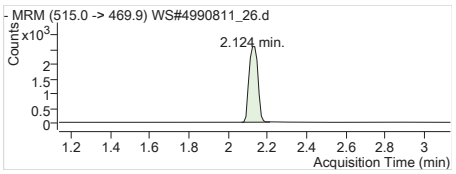


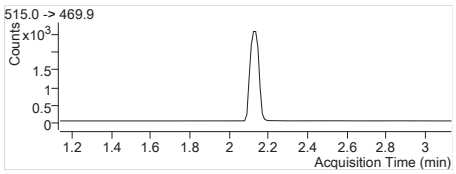
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



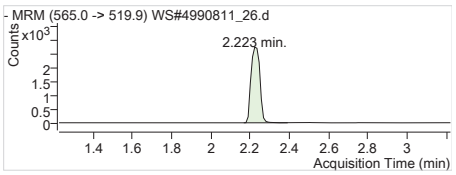


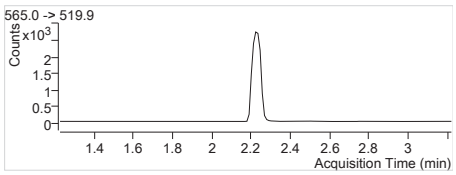
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



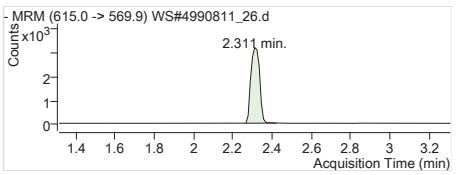


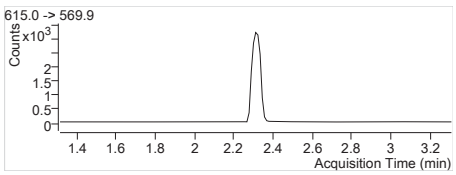
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



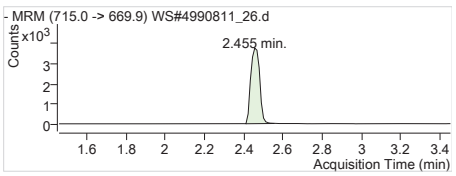


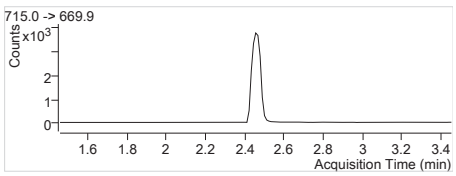
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



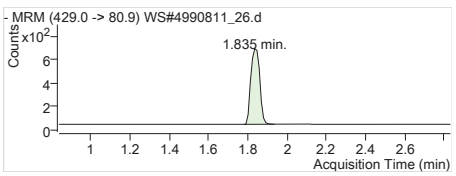


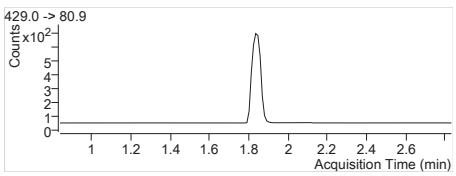
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



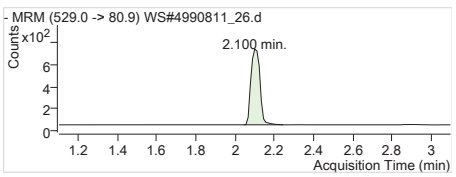


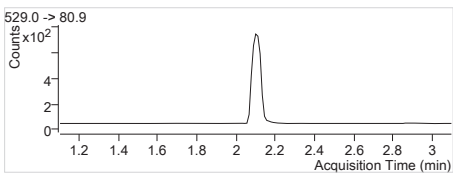
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



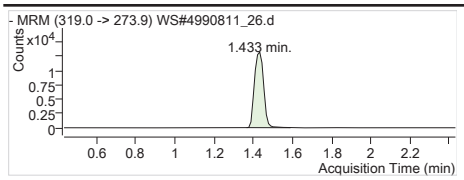


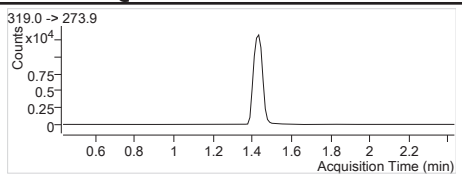
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



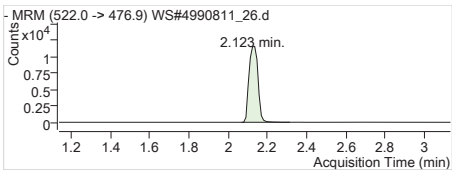


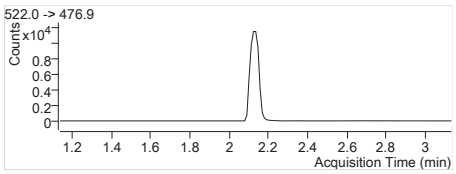
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



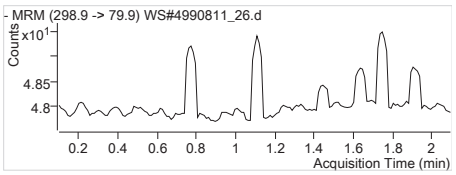


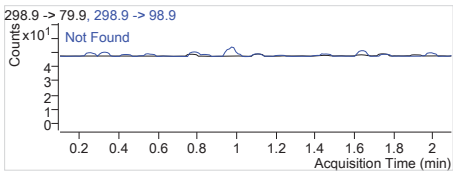
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



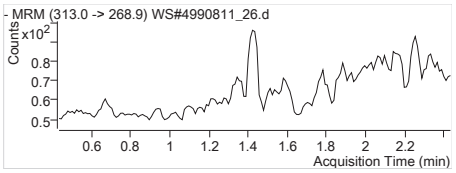


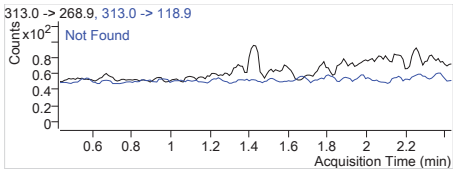
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



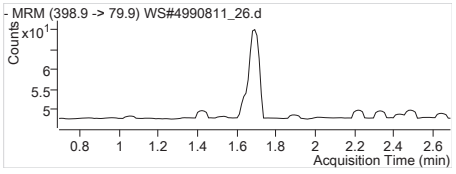


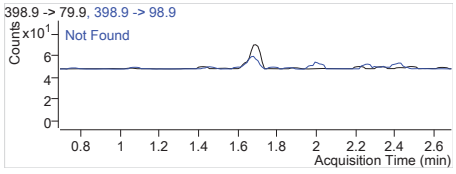
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



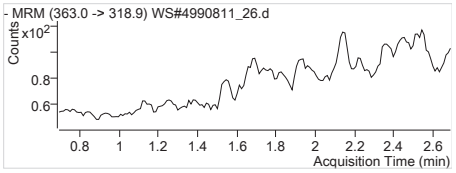


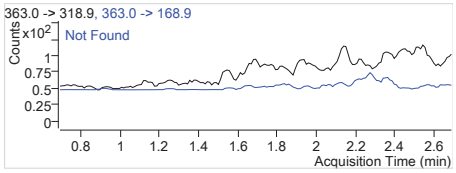
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



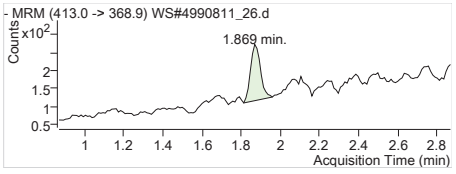


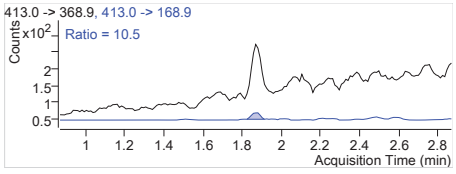
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



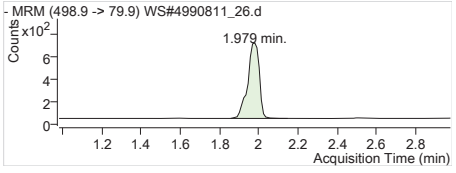


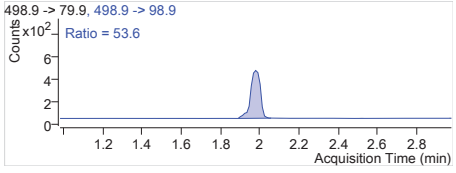
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



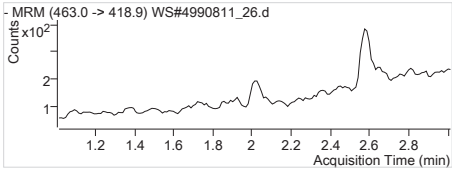


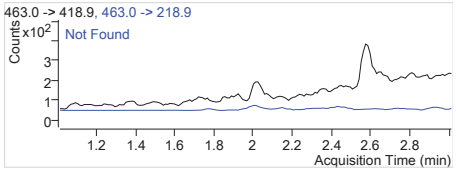
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 2.12 µg/Kg
Area ratio: 0.06213
Sample type: Sample



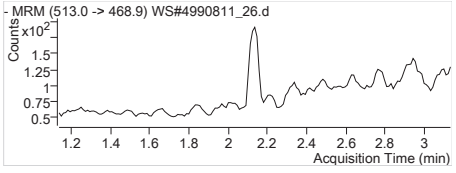


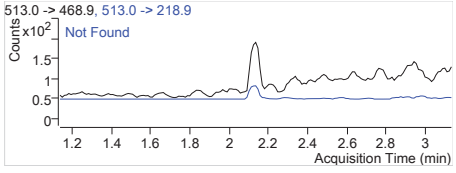
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 50.99 µg/Kg
Area ratio: 1.44404
Sample type: Sample



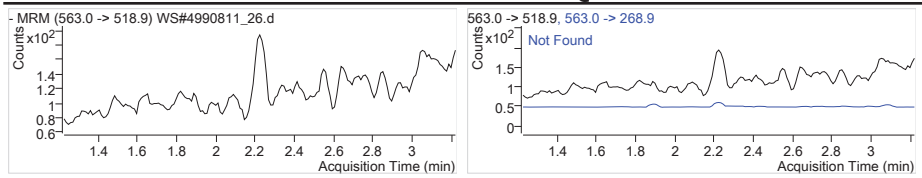


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

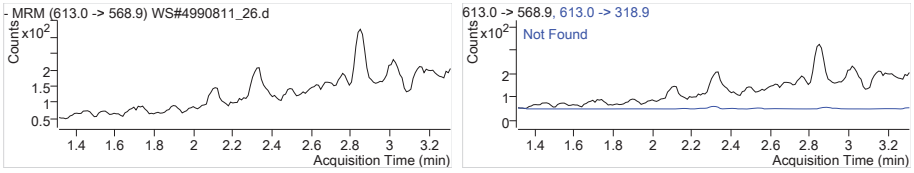




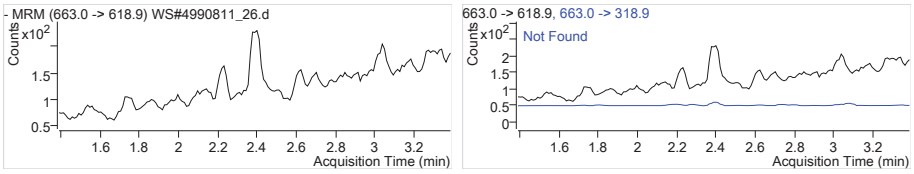
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



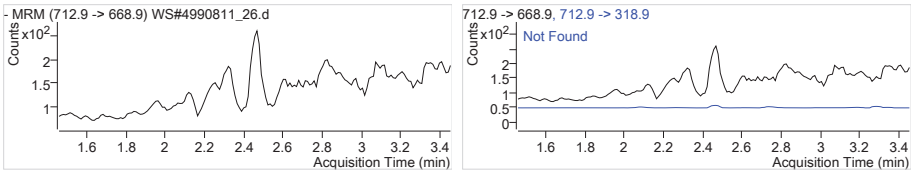
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



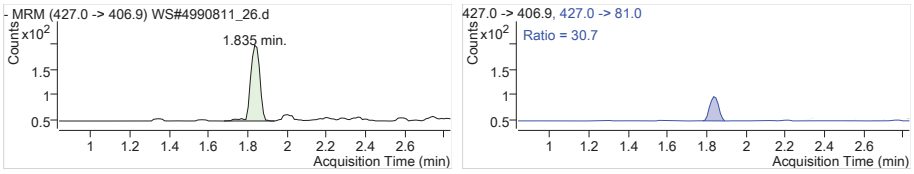
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



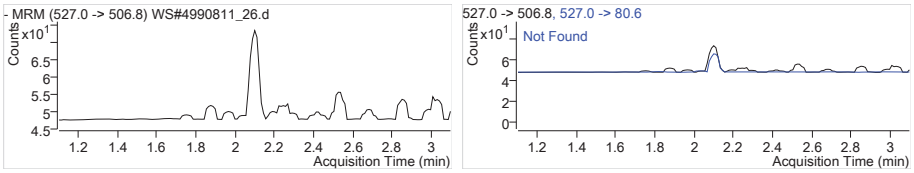
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



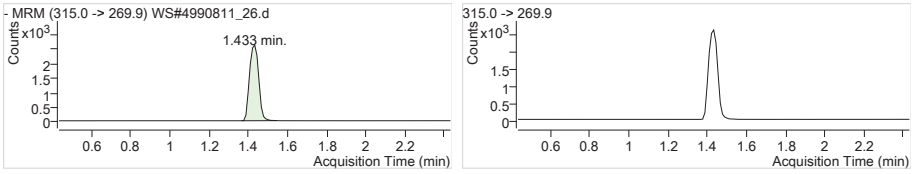
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



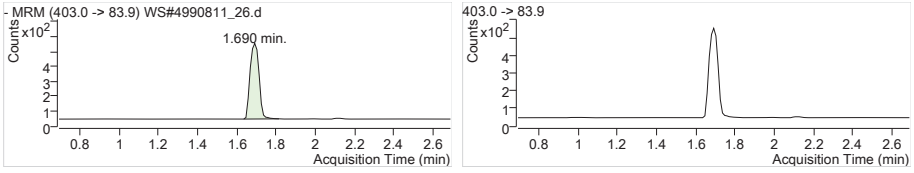
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 6.77 µg/Kg
Area ratio: 0.24099
Sample type: Sample



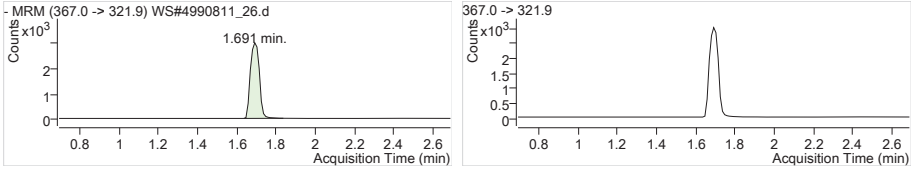
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



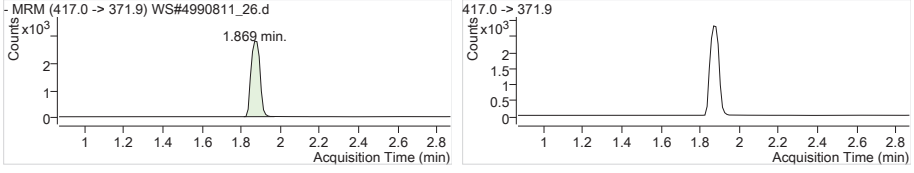
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 102.09 µg/Kg
Area ratio: 0.19661
Sample type: Sample



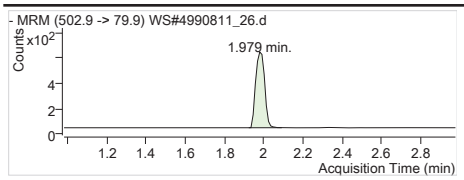
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 104.99 µg/Kg
Area ratio: 0.03747
Sample type: Sample

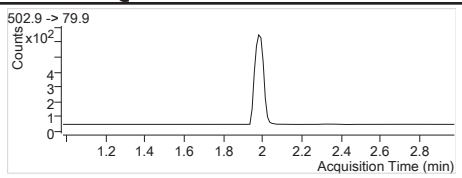


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 105.34 µg/Kg
Area ratio: 0.22134
Sample type: Sample

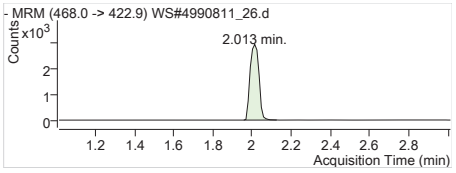


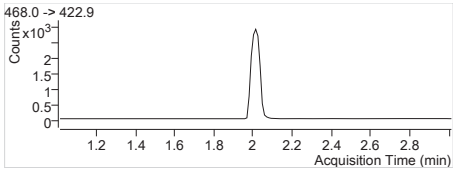
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 102.17 µg/Kg
Area ratio: 0.20707
Sample type: Sample



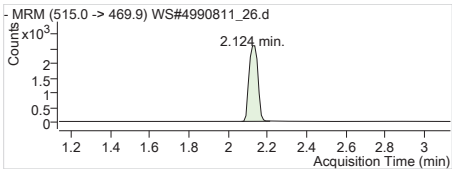


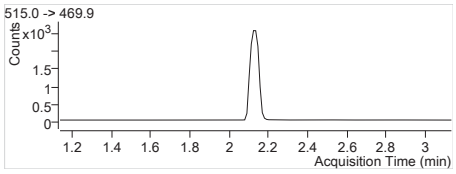
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	101.74 µg/Kg
Area ratio:	0.04464
Sample type:	Sample



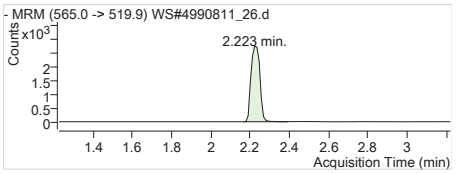


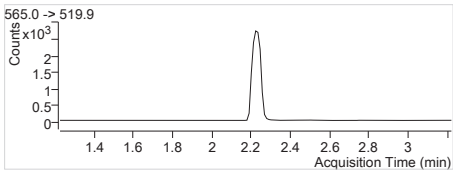
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	102.93 µg/Kg
Area ratio:	0.21085
Sample type:	Sample



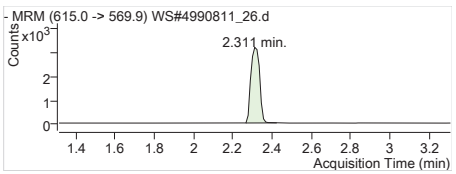


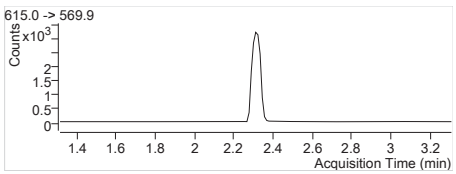
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.124 (2.135)
Calc. conc.	116.95 µg/Kg
Area ratio:	0.21918
Sample type:	Sample



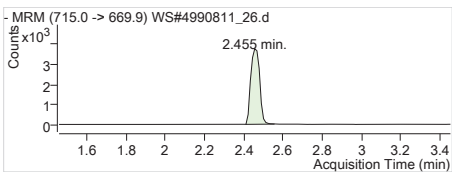


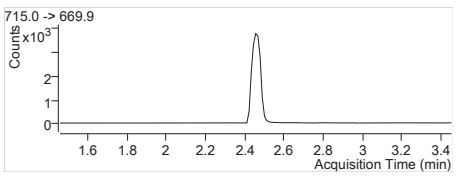
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	107.06 µg/Kg
Area ratio:	0.23144
Sample type:	Sample



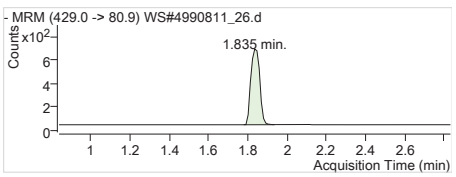


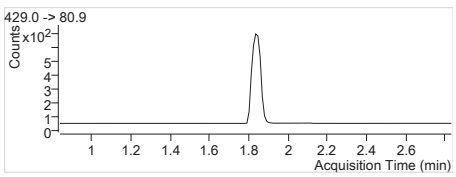
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	108.01 µg/Kg
Area ratio:	0.26773
Sample type:	Sample



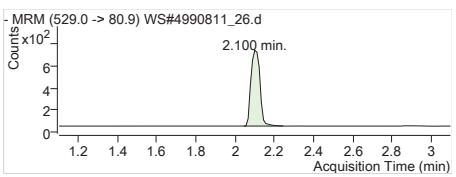


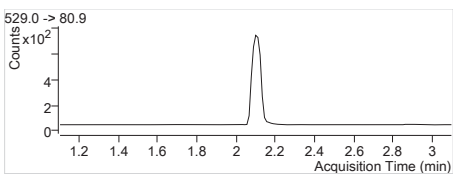
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	104.89 µg/Kg
Area ratio:	0.31956
Sample type:	Sample



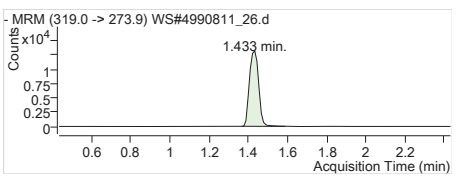


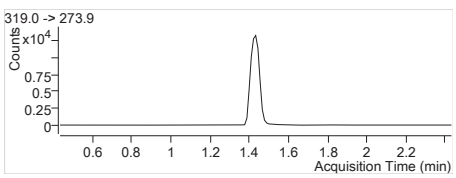
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	98.23 µg/Kg
Area ratio:	0.04796
Sample type:	Sample



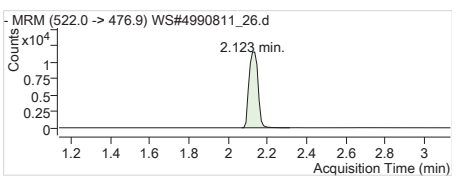


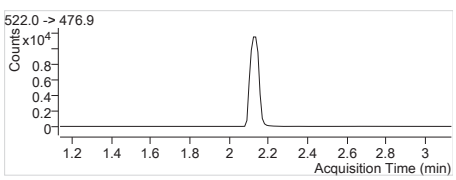
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	103.63 µg/Kg
Area ratio:	0.05218
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	1473.04 µg/Kg
Area ratio:	0
Sample type:	Sample





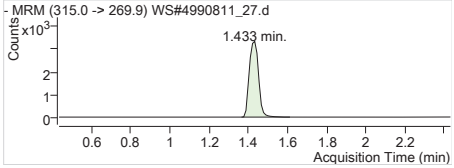
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.134)
Calc. conc.	1403.78 µg/Kg
Area ratio:	0
Sample type:	Sample

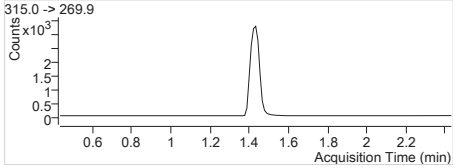
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI407-01**	**Instrument**	LCMS04
Data File	WS#4990811_27.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.387
Acq. Method	PFC_Soil.m	**Position**	P2-C7
Acq. Date	2017/05/24 10:25:13 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except PFOS.		

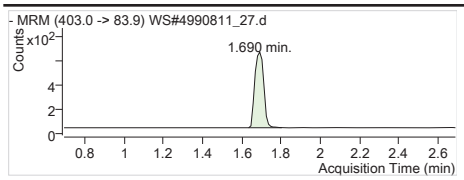
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	10763	1.43	1 µg/Kg		
MPFHxS	1970	1.69	1 µg/Kg		
MPFHpA	11488	1.69	1 µg/Kg		
MPFOA	11327	1.87	1 µg/Kg		
MPFOS	2339	1.98	1 µg/Kg		
MPFNA	10909	2.01	1 µg/Kg		
MPFDA	8921	2.13	1 µg/Kg		
MPFUnA	9568	2.22	1 µg/Kg		
MPFDoA	10219	2.31	1 µg/Kg		
MPFTeDA	11841	2.46	1 µg/Kg		
M2 6:2 FTS	2583	1.83	1 µg/Kg		
M2 8:2 FTS	2446	2.10	1 µg/Kg		
13C6-PFHxA IS	43294	1.43	1 µg/Kg		
13C9-PFDA IS	40400	2.13	1 µg/Kg		

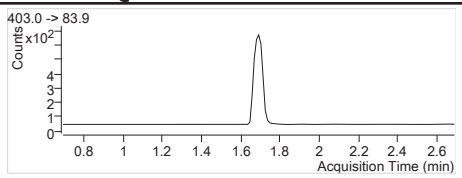
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	973	1.43	-	0.30 µg/Kg	-
PFHxS 1	956	1.69	-	1.46 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1060	1.87	-	0.30 µg/Kg	-
PFOS 1	28931	1.98	-	43.70 µg/Kg	-
PFNA 1	489	2.01	-	0.15 µg/Kg	-
PFDA 1	1122	2.14	-	0.21 µg/Kg	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	4416	1.84	-	5.38 µg/Kg	-
8:2-FTS 1	1394	2.10	-	2.01 µg/Kg	-
13C2-PFHxA	10763	1.43	-	129.09 µg/Kg	-
18O2-PFHxS	1970	1.69	-	127.49 µg/Kg	-
13C4-PFHpA	11488	1.69	-	126.29 µg/Kg	-
13C4-PFOA	11327	1.87	-	129.09 µg/Kg	-
13C4-PFOS	2339	1.98	-	123.13 µg/Kg	-
13C5-PFNA	10909	2.01	-	123.01 µg/Kg	-
13C2-PFDA	8921	2.13	-	117.82 µg/Kg	-
13C2-PFUnA	9568	2.22	-	109.55 µg/Kg	-
13C2-PFDoA	10219	2.31	-	102.04 µg/Kg	-
13C2-PFTeDA	11841	2.46	-	96.21 µg/Kg	-
13C2-6:2-FTS	2583	1.83	-	122.20 µg/Kg	-
13C2-8:2 FTS	2446	2.10	-	112.20 µg/Kg	-
13C6-PFHxA	43294	1.43	-	148.85 µg/Kg	-
13C9-PFDA	40400	2.13	-	153.76 µg/Kg	-



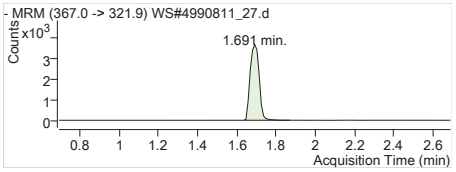


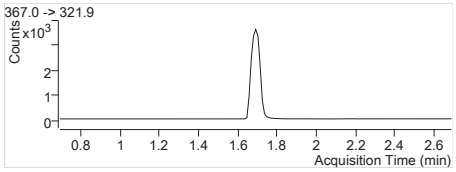
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



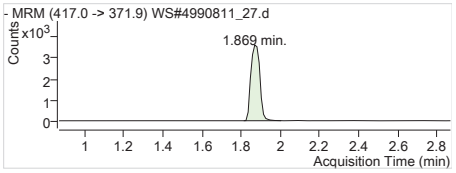


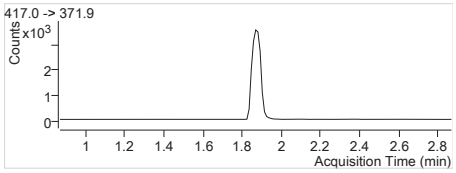
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



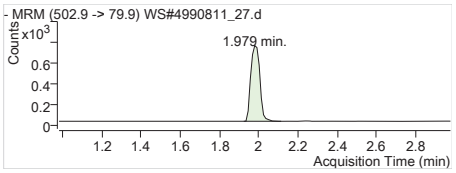


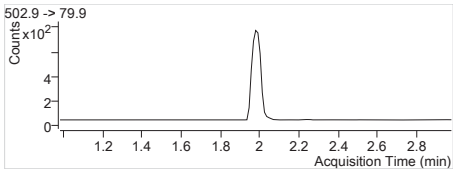
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



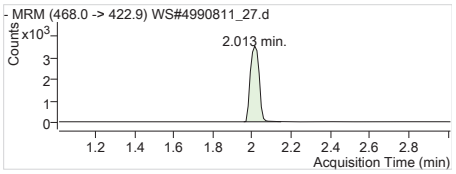


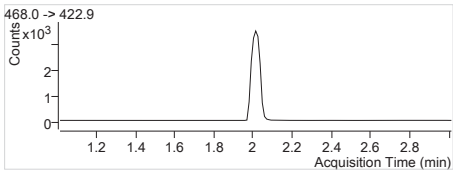
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



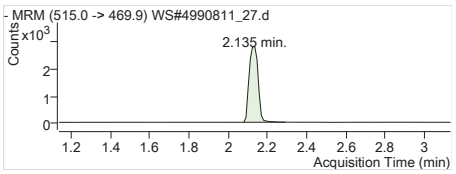


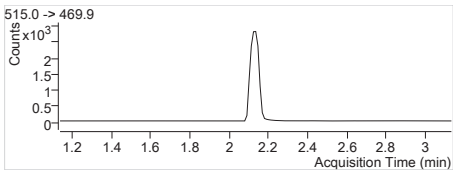
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



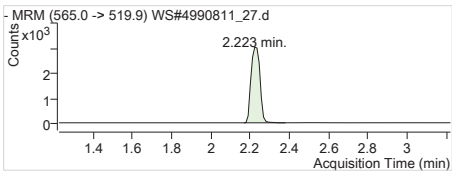


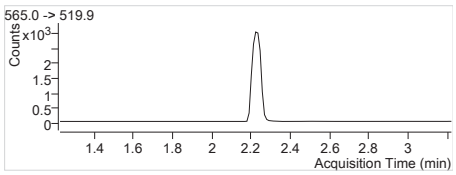
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



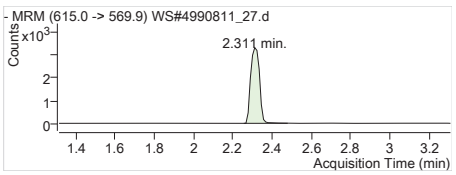


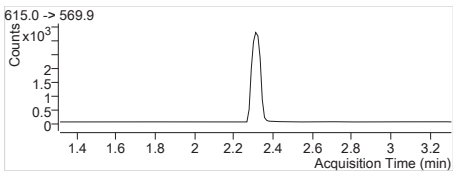
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



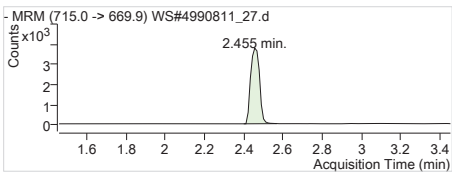


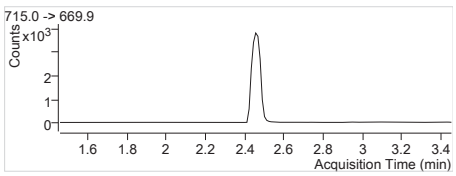
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



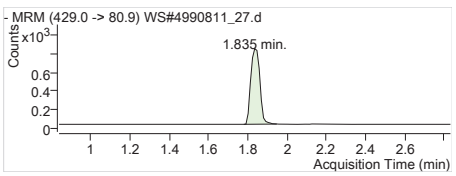


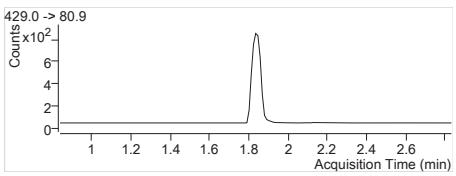
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



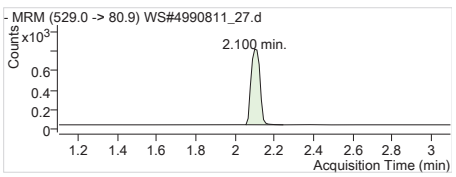


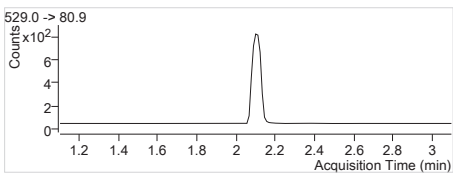
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



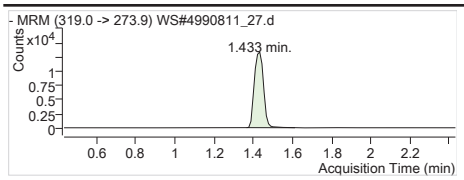


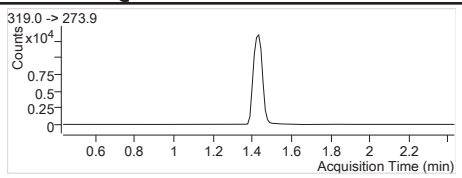
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



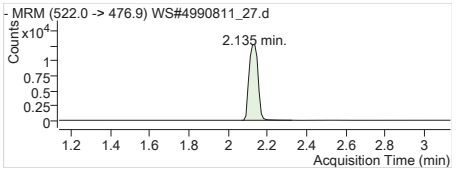


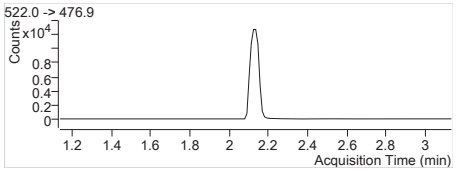
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



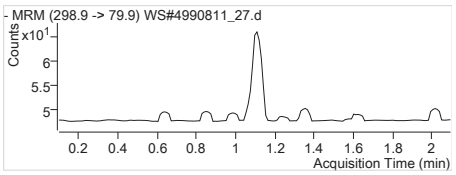


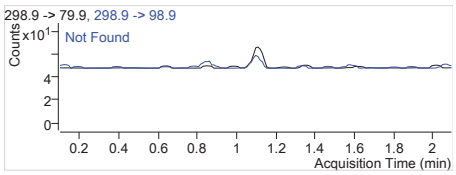
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



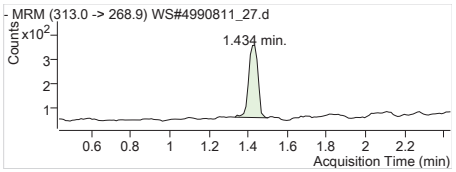


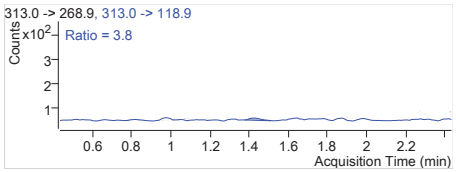
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



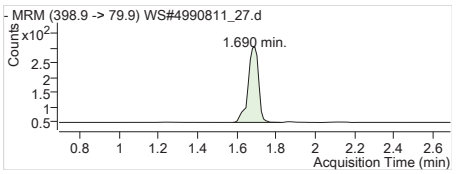


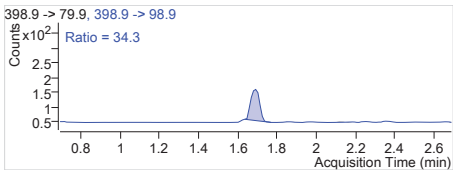
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



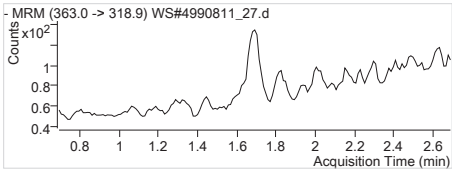


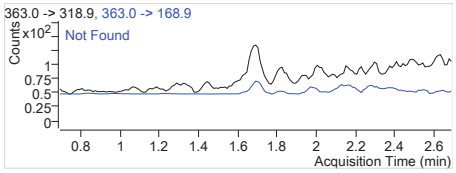
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 0.30 µg/Kg
Area ratio: 0.09040
Sample type: Sample



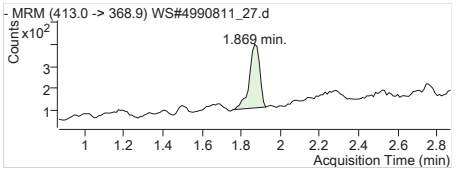


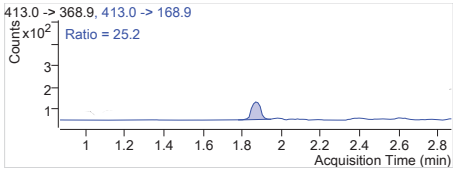
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 1.46 µg/Kg
Area ratio: 0.48528
Sample type: Sample



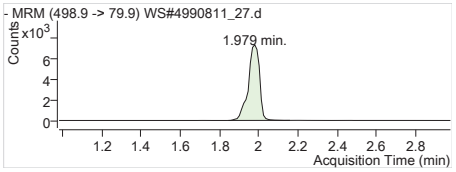


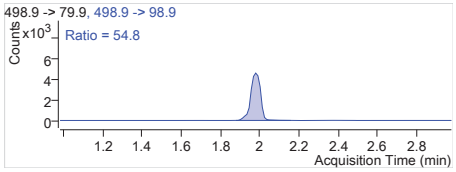
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



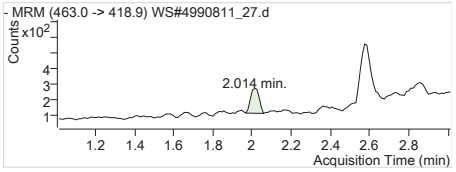


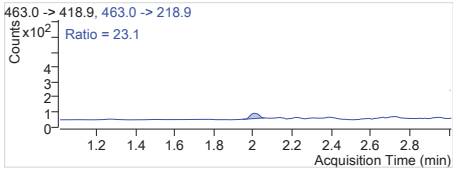
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.30 µg/Kg
Area ratio: 0.09358
Sample type: Sample



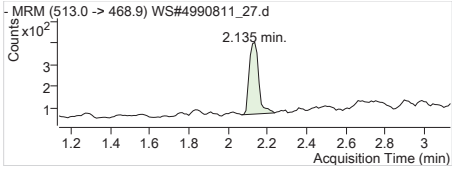


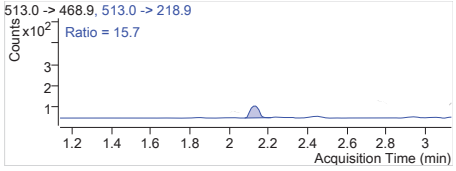
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 43.70 µg/Kg
Area ratio: 12.36896
Sample type: Sample



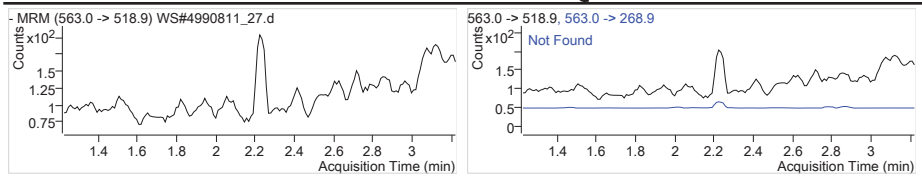


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.15 µg/Kg
Area ratio: 0.04483
Sample type: Sample

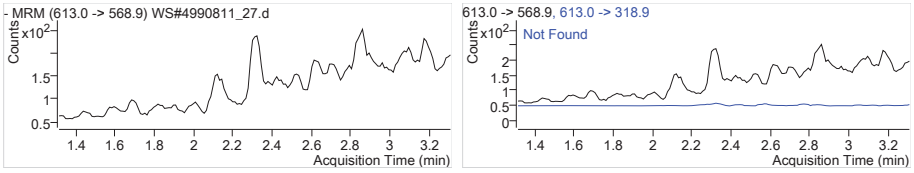




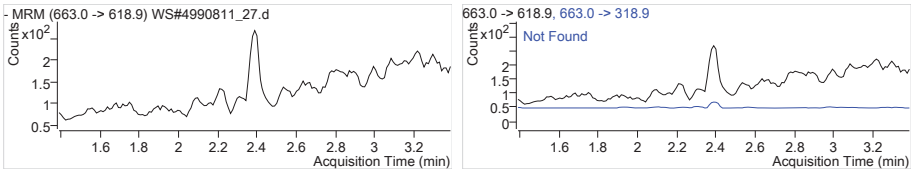
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 0.21 µg/Kg
Area ratio: 0.12577
Sample type: Sample



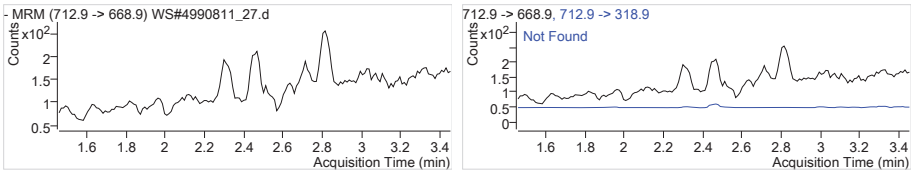
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



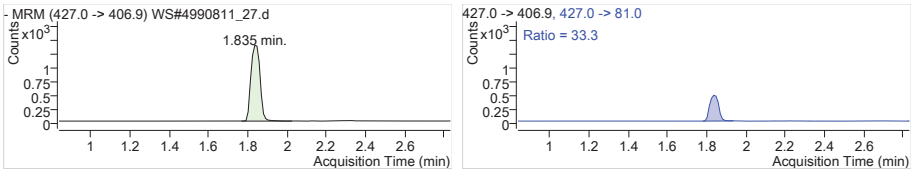
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



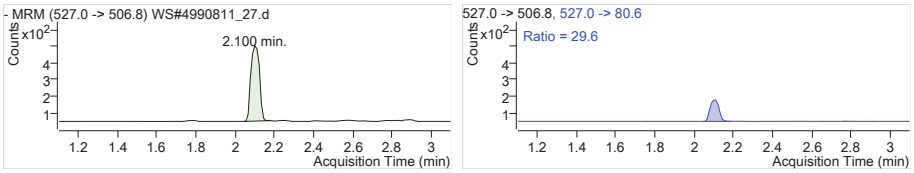
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



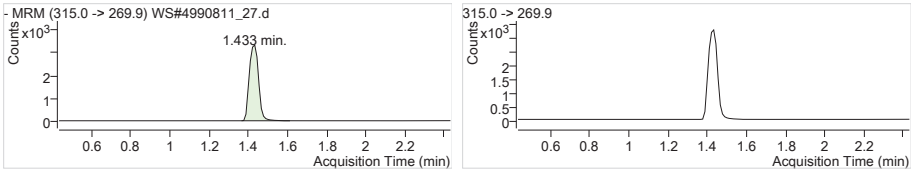
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



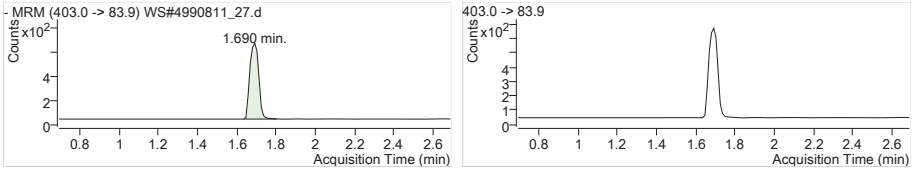
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 5.38 µg/Kg
Area ratio: 1.70964
Sample type: Sample



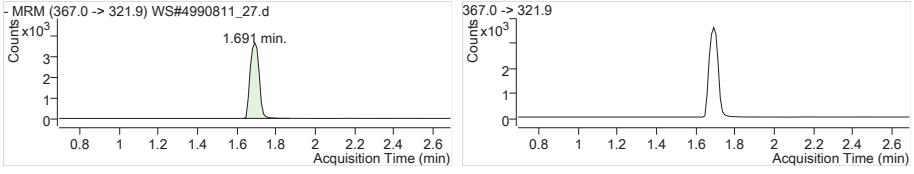
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 2.01 µg/Kg
Area ratio: 0.56991
Sample type: Sample



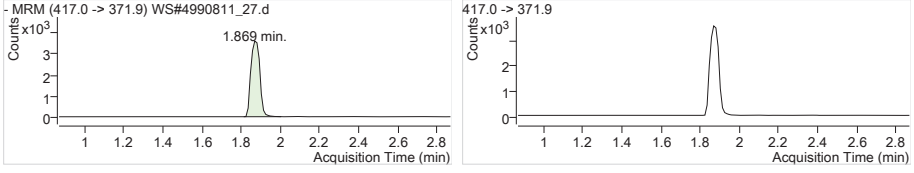
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 129.09 µg/Kg
Area ratio: 0.24860
Sample type: Sample



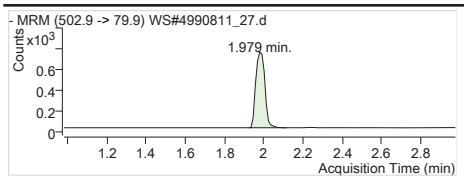
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 127.49 µg/Kg
Area ratio: 0.04550
Sample type: Sample

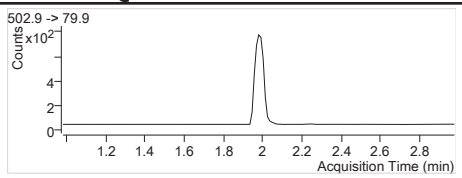


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 126.29 µg/Kg
Area ratio: 0.26535
Sample type: Sample

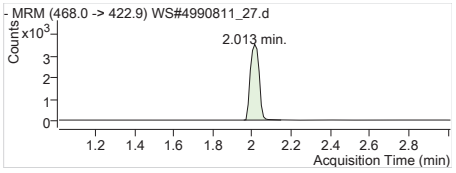


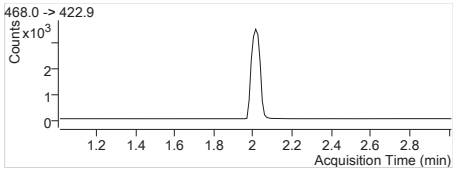
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 129.09 µg/Kg
Area ratio: 0.26163
Sample type: Sample



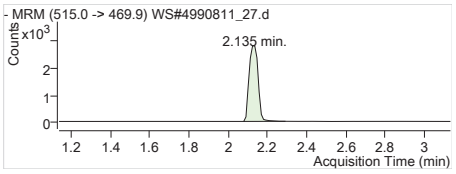


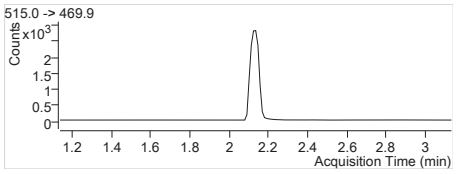
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 123.13 µg/Kg
Area ratio: 0.05403
Sample type: Sample



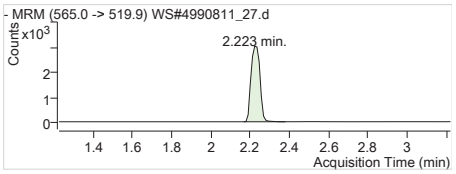


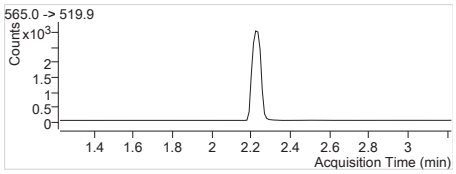
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 123.01 µg/Kg
Area ratio: 0.25197
Sample type: Sample



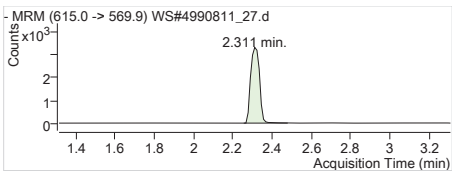


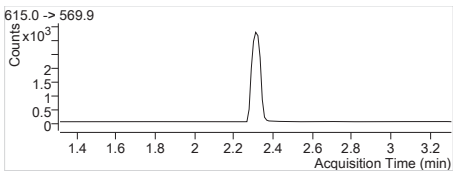
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 117.82 µg/Kg
Area ratio: 0.22082
Sample type: Sample



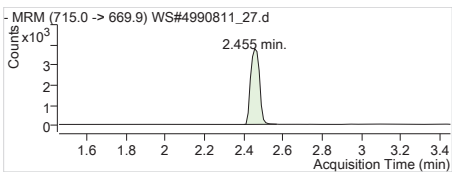


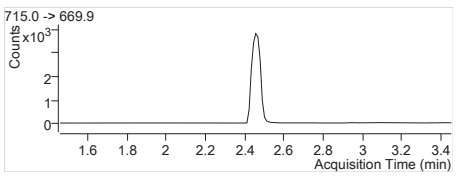
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 109.55 µg/Kg
Area ratio: 0.23683
Sample type: Sample



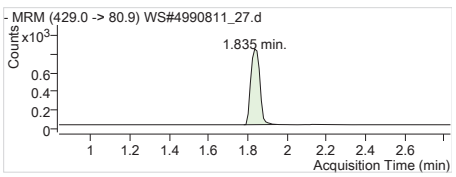


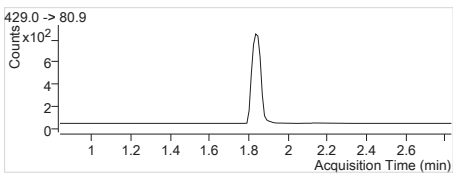
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 102.04 µg/Kg
Area ratio: 0.25295
Sample type: Sample



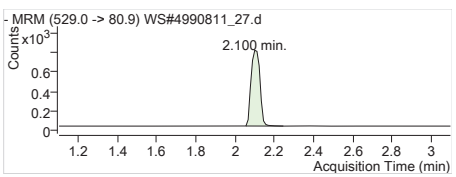


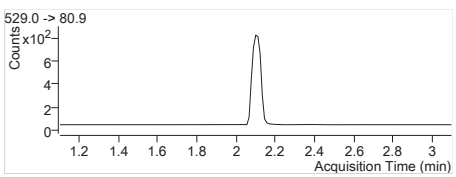
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 96.21 µg/Kg
Area ratio: 0.29309
Sample type: Sample



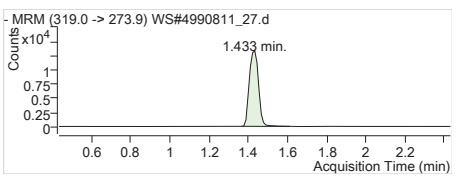


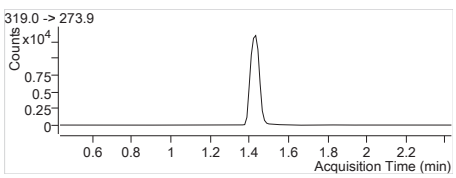
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 122.20 µg/Kg
Area ratio: 0.05966
Sample type: Sample



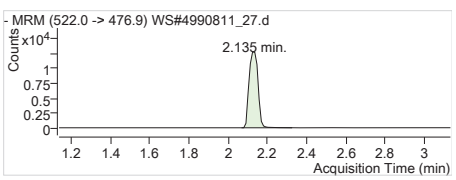


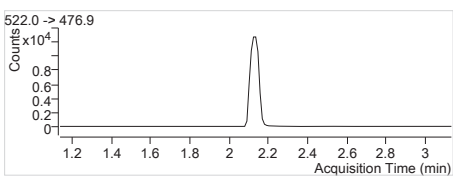
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 112.20 µg/Kg
Area ratio: 0.05650
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 148.85 µg/Kg
Area ratio: 0
Sample type: Sample





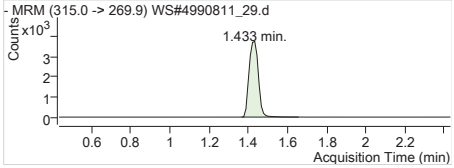
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 153.76 µg/Kg
Area ratio: 0
Sample type: Sample

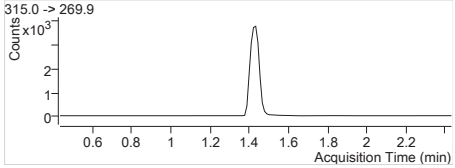
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI413-01**	**Instrument**	LCMS04
Data File	WS#4990811_29.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.086
Acq. Method	PFC_Soil.m	**Position**	P2-C8
Acq. Date	2017/05/24 10:35:01 PM	**Injection Volume**	Per Method
Sample Annotation	-		

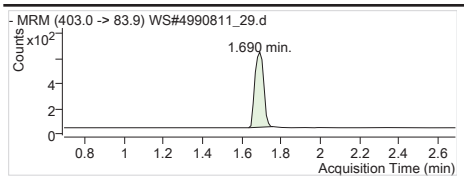
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	12158	1.43	1 µg/Kg		
MPFHxS	1874	1.69	1 µg/Kg		
MPFHpA	14354	1.69	1 µg/Kg		
MPFOA	13941	1.87	1 µg/Kg		
MPFOS	2885	1.98	1 µg/Kg		
MPFNA	14416	2.01	1 µg/Kg		
MPFDA	11684	2.13	1 µg/Kg		
MPFUnA	12013	2.22	1 µg/Kg		
MPFDoA	13230	2.31	1 µg/Kg		
MPFTeDA	14639	2.46	1 µg/Kg		
M2 6:2 FTS	3043	1.83	1 µg/Kg		
M2 8:2 FTS	3343	2.10	1 µg/Kg		
13C6-PFHxA IS	42668	1.43	1 µg/Kg		
13C9-PFDA IS	38298	2.13	1 µg/Kg		

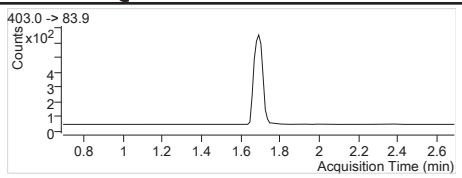
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	850	1.43	-	0.19 µg/Kg	-
PFHxS 1	572	1.69	-	0.77 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1155	1.87	-	0.21 µg/Kg	-
PFOS 1	26116	1.98	-	25.04 µg/Kg	-
PFNA 1	2752	2.01	-	0.50 µg/Kg	-
PFDA 1	1765	2.14	-	0.22 µg/Kg	-
PFUnA 1	1238	2.23	-	0.30 µg/Kg	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	250	1.84	-	0.13 µg/Kg	-
8:2-FTS 1	367	2.10	-	0.27 µg/Kg	-
13C2-PFHxA	12158	1.43	-	147.96 µg/Kg	-
18O2-PFHxS	1874	1.69	-	123.06 µg/Kg	-
13C4-PFHpA	14354	1.69	-	160.12 µg/Kg	-
13C4-PFOA	13941	1.87	-	161.21 µg/Kg	-
13C4-PFOS	2885	1.98	-	154.10 µg/Kg	-
13C5-PFNA	14416	2.01	-	164.93 µg/Kg	-
13C2-PFDA	11684	2.13	-	162.78 µg/Kg	-
13C2-PFUnA	12013	2.22	-	145.10 µg/Kg	-
13C2-PFDoA	13230	2.31	-	139.36 µg/Kg	-
13C2-PFTeDA	14639	2.46	-	125.47 µg/Kg	-
13C2-6:2-FTS	3043	1.83	-	146.08 µg/Kg	-
13C2-8:2 FTS	3343	2.10	-	155.59 µg/Kg	-
13C6-PFHxA	42668	1.43	-	114.86 µg/Kg	-
13C9-PFDA	38298	2.13	-	114.13 µg/Kg	-



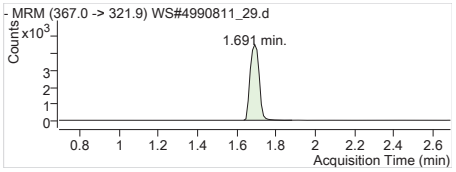


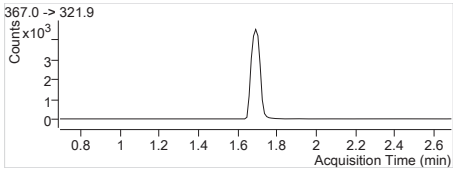
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



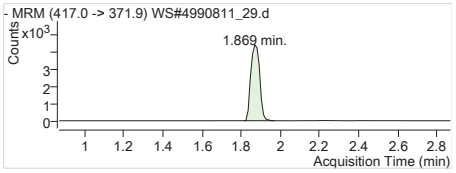


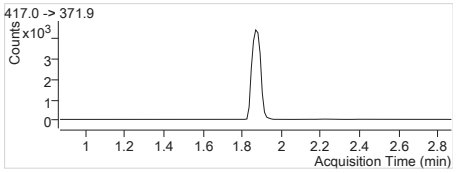
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



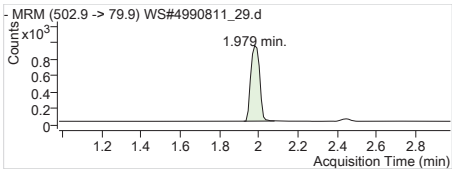


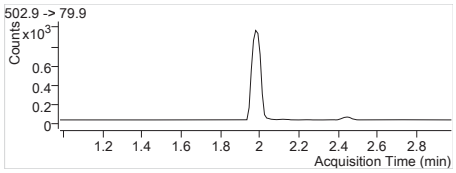
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



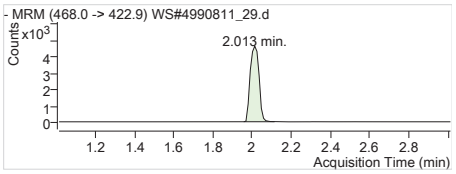


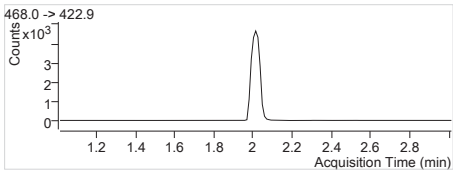
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



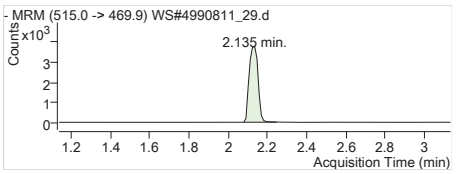


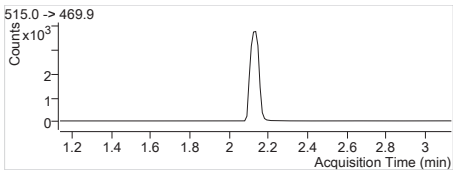
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



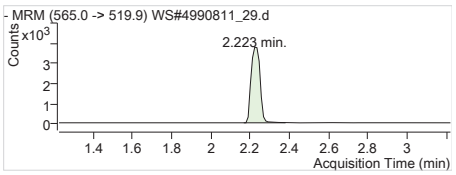


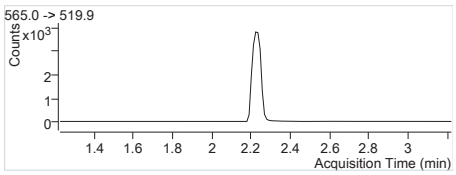
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



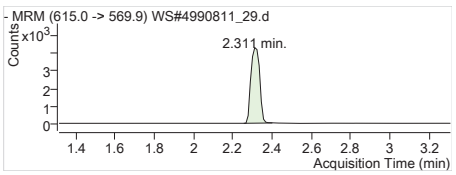


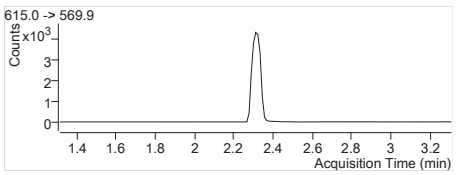
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



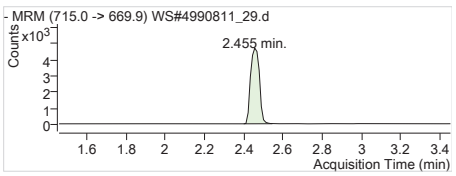


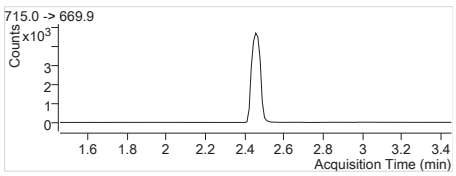
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



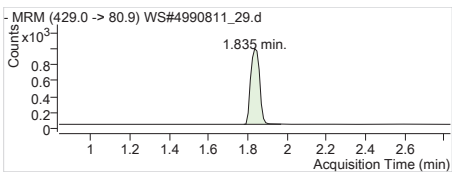


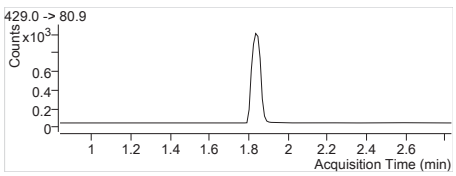
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



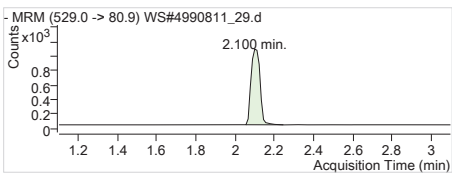


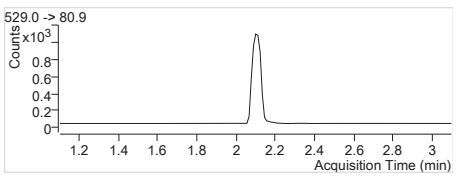
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



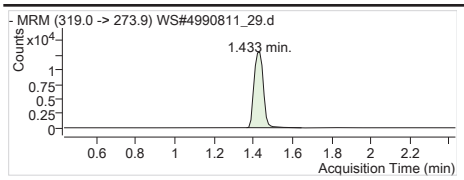


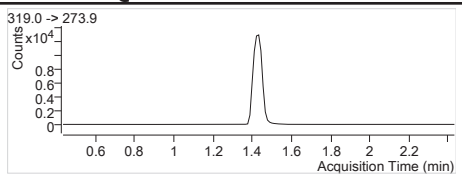
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



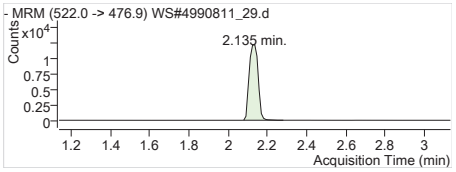


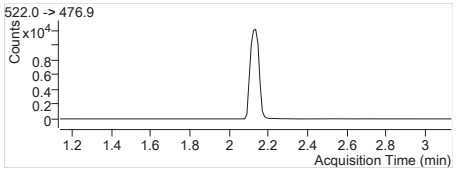
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



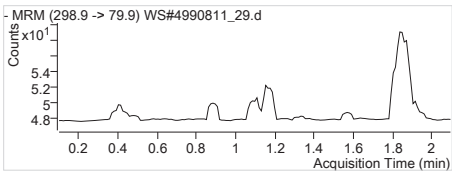


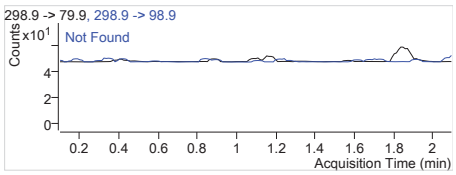
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



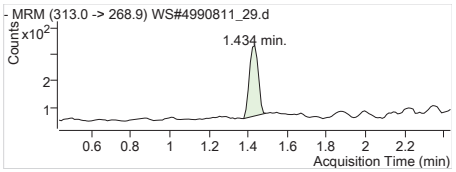


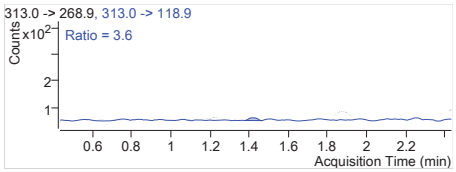
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



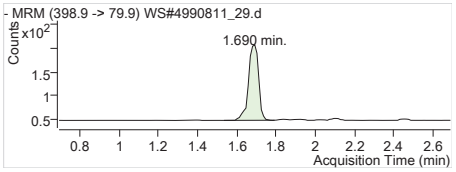


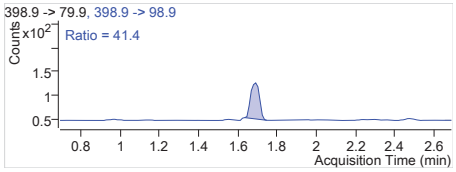
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



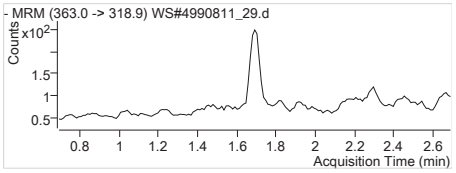


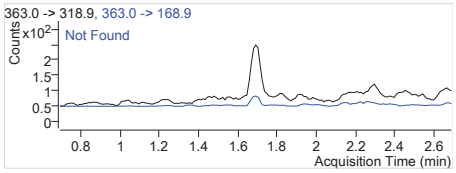
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 0.19 µg/Kg
Area ratio: 0.06991
Sample type: Sample



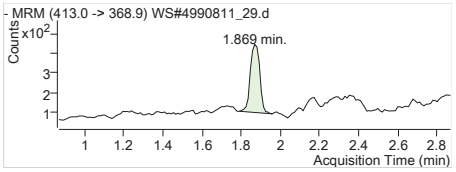


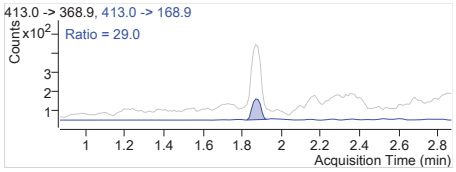
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 0.77 µg/Kg
Area ratio: 0.30523
Sample type: Sample



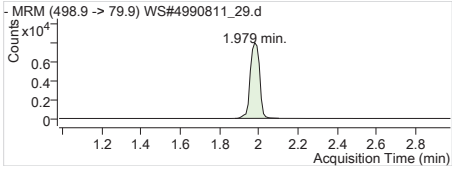


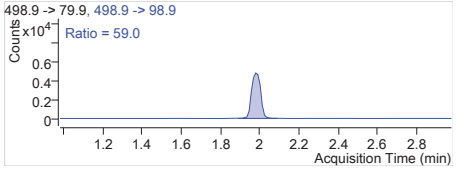
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



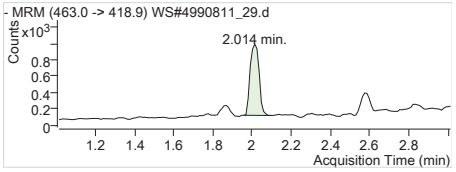


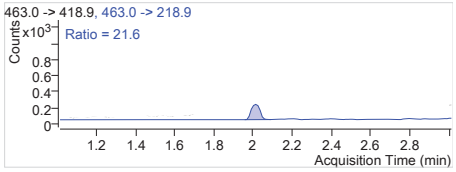
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.21 µg/Kg
Area ratio: 0.08285
Sample type: Sample



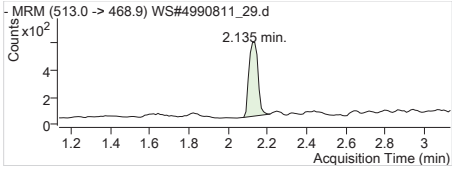


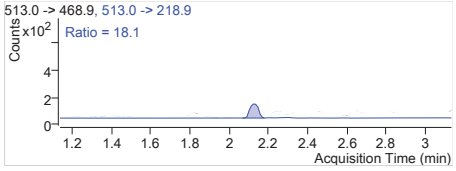
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 25.04 µg/Kg
Area ratio: 9.05234
Sample type: Sample



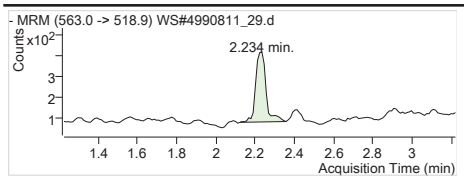


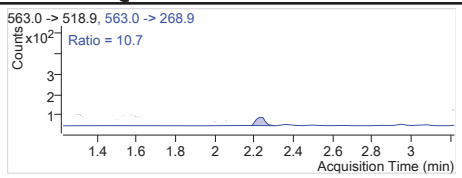
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.50 µg/Kg
Area ratio: 0.19090
Sample type: Sample



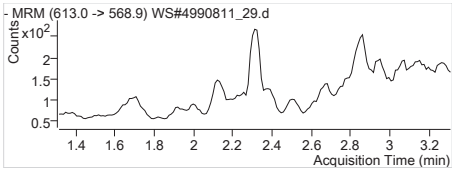


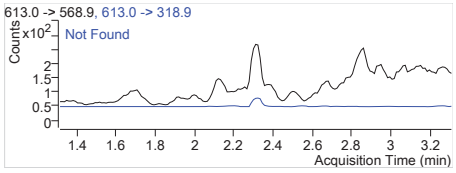
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 0.22 µg/Kg
Area ratio: 0.15106
Sample type: Sample



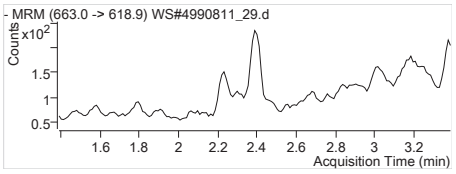


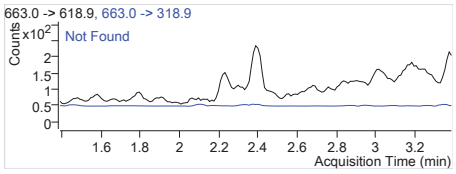
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.234 (2.223)
Calc. conc. 0.30 µg/Kg
Area ratio: 0.10306
Sample type: Sample



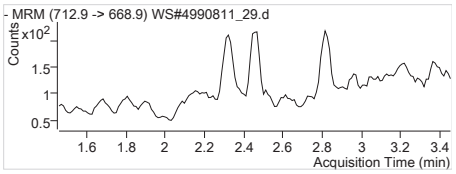


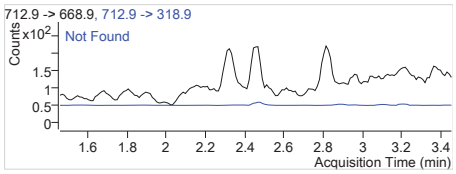
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



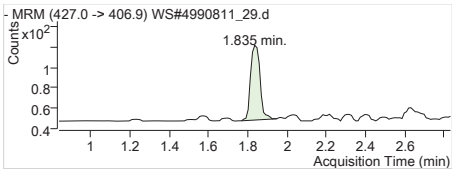


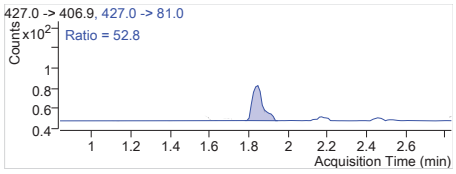
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



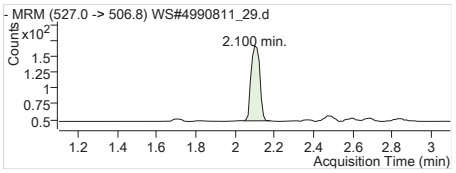


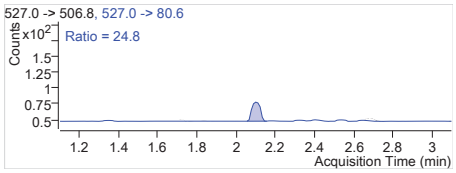
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



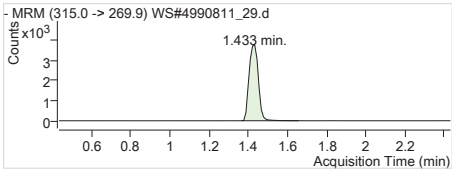


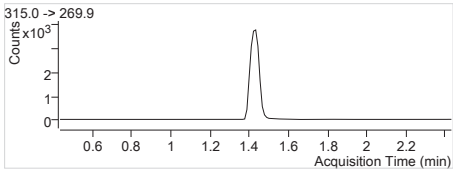
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 0.13 µg/Kg
Area ratio: 0.08216
Sample type: Sample



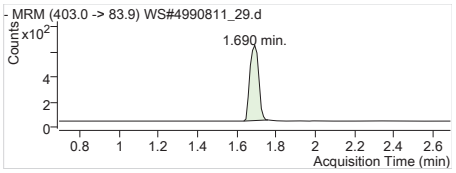


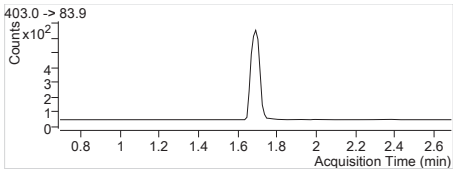
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 0.27 µg/Kg
Area ratio: 0.10978
Sample type: Sample



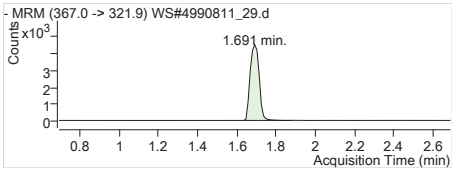


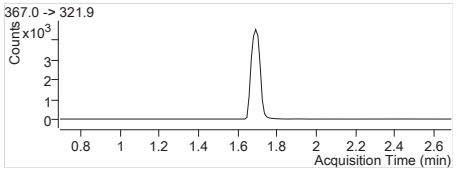
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 147.96 µg/Kg
Area ratio: 0.28494
Sample type: Sample



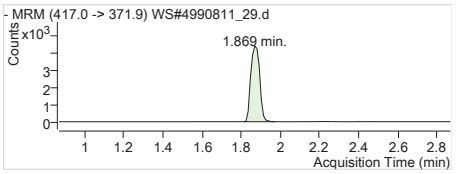


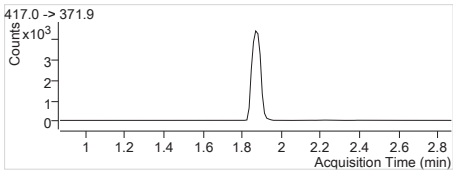
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 123.06 µg/Kg
Area ratio: 0.04392
Sample type: Sample



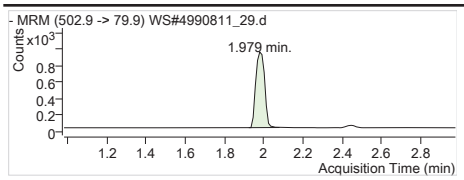


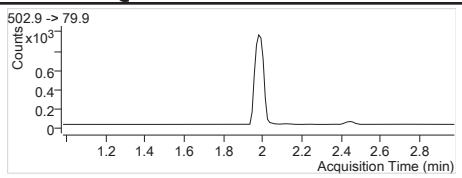
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 160.12 µg/Kg
Area ratio: 0.33641
Sample type: Sample



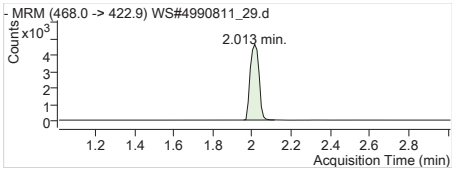


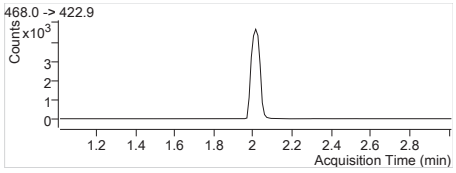
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 161.21 µg/Kg
Area ratio: 0.32673
Sample type: Sample



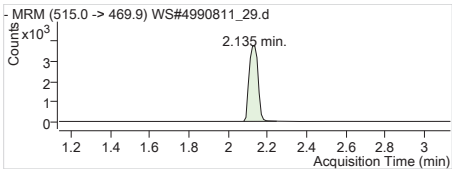


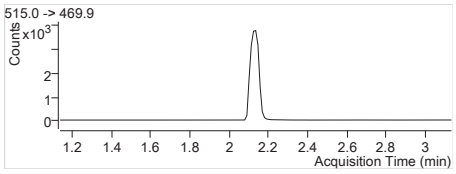
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 154.10 µg/Kg
Area ratio: 0.06762
Sample type: Sample



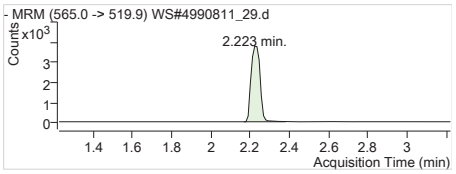


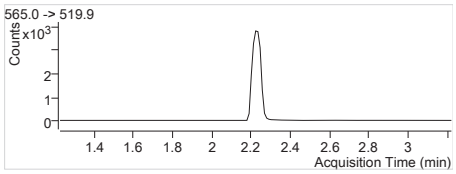
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 164.93 µg/Kg
Area ratio: 0.33786
Sample type: Sample



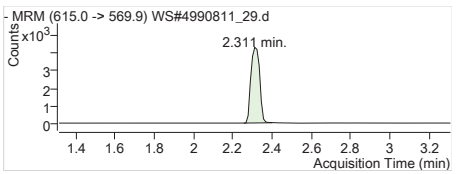


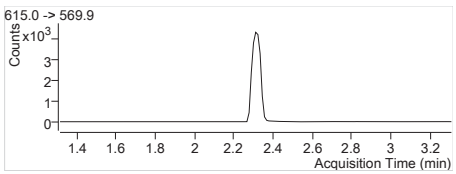
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 162.78 µg/Kg
Area ratio: 0.30508
Sample type: Sample



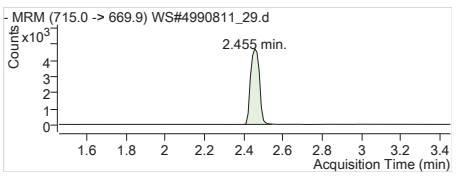


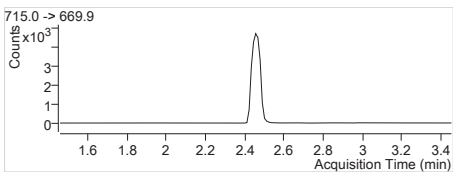
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 145.10 µg/Kg
Area ratio: 0.31367
Sample type: Sample



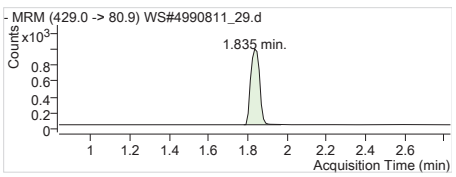


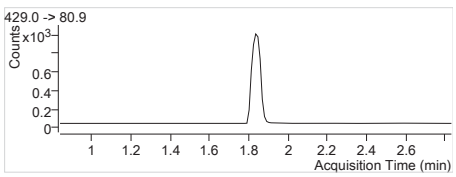
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 139.36 µg/Kg
Area ratio: 0.34545
Sample type: Sample



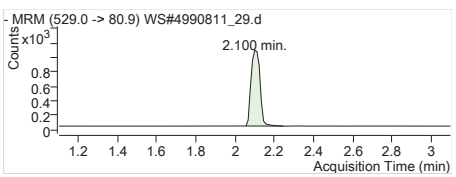


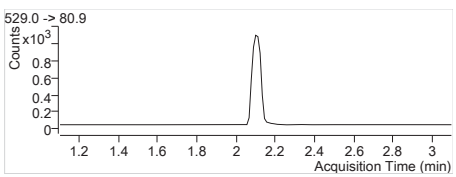
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 125.47 µg/Kg
Area ratio: 0.38224
Sample type: Sample



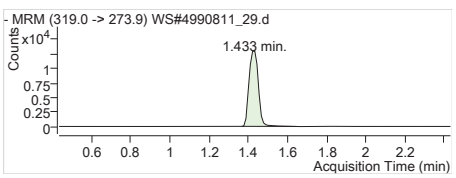


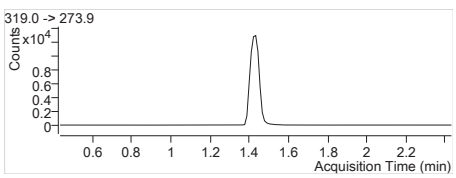
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 146.08 µg/Kg
Area ratio: 0.07132
Sample type: Sample



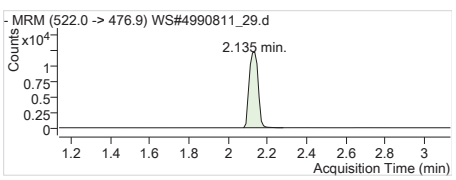


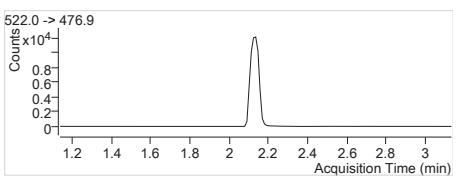
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 155.59 µg/Kg
Area ratio: 0.07835
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 114.86 µg/Kg
Area ratio: 0
Sample type: Sample





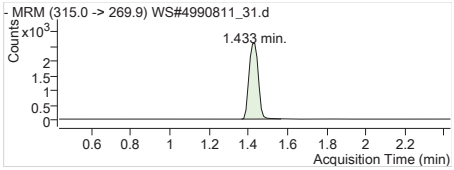
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 114.13 µg/Kg
Area ratio: 0
Sample type: Sample

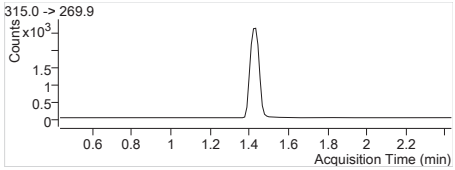
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI416-01:100x**	**Instrument**	LCMS04
Data File	WS#4990811_31.d	**Operator**	AD
Sample Type	Sample	**Dilution**	127.065
Acq. Method	PFC_Soil.m	**Position**	P2-C9
Acq. Date	2017/05/24 10:44:49 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for 6:2FTS, PFOS, PFHxS only.		

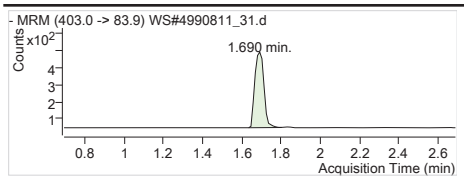
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8431	1.43	1 µg/Kg		
MPFHxS	1438	1.69	1 µg/Kg		
MPFHpA	9461	1.69	1 µg/Kg		
MPFOA	9194	1.87	1 µg/Kg		
MPFOS	1863	1.98	1 µg/Kg		
MPFNA	8769	2.01	1 µg/Kg		
MPFDA	7604	2.12	1 µg/Kg		
MPFUnA	8305	2.22	1 µg/Kg		
MPFDoA	9480	2.31	1 µg/Kg		
MPFTeDA	11625	2.46	1 µg/Kg		
M2 6:2 FTS	1974	1.83	1 µg/Kg		
M2 8:2 FTS	1863	2.10	1 µg/Kg		
13C6-PFHxA IS	36642	1.43	1 µg/Kg		
13C9-PFDA IS	34238	2.12	1 µg/Kg		

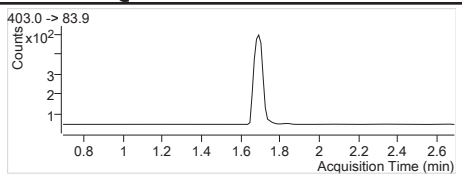
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	185	1.11	-	39.32 µg/Kg	-
PFHxA 1	6381	1.43	-	208.93 µg/Kg	-
PFHxS 1	3217	1.69	-	562.26 µg/Kg	-
PFHpA 1	1391	1.69	-	52.35 µg/Kg	-
PFOA 1	3794	1.87	-	113.33 µg/Kg	-
PFOS 1	10579	1.93	-	1837.80 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	12926	1.84	-	1911.86 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8431	1.43	-	119.48 µg/Kg	-
18O2-PFHxS	1438	1.69	-	109.96 µg/Kg	-
13C4-PFHpA	9461	1.69	-	122.89 µg/Kg	-
13C4-PFOA	9194	1.87	-	123.80 µg/Kg	-
13C4-PFOS	1863	1.98	-	115.88 µg/Kg	-
13C5-PFNA	8769	2.01	-	116.83 µg/Kg	-
13C2-PFDA	7604	2.12	-	118.50 µg/Kg	-
13C2-PFUnA	8305	2.22	-	112.21 µg/Kg	-
13C2-PFDoA	9480	2.31	-	111.70 µg/Kg	-
13C2-PFTeDA	11625	2.46	-	111.45 µg/Kg	-
13C2-6:2-FTS	1974	1.83	-	110.34 µg/Kg	-
13C2-8:2 FTS	1863	2.10	-	100.97 µg/Kg	-
13C6-PFHxA	36642	1.43	-	11541.40 µg/Kg	-
13C9-PFDA	34238	2.12	-	11937.80 µg/Kg	-



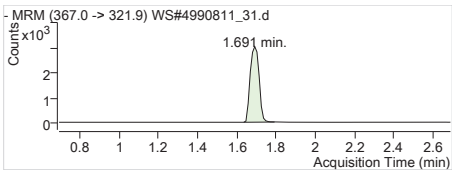


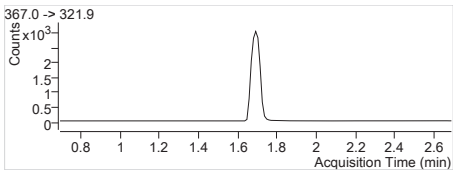
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



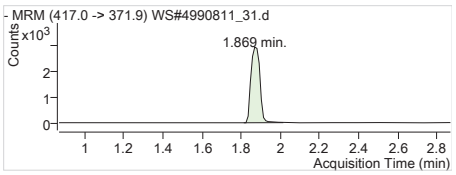


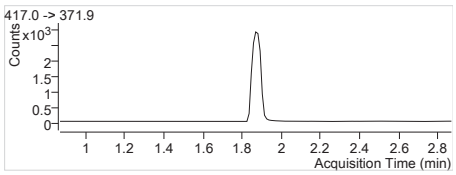
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



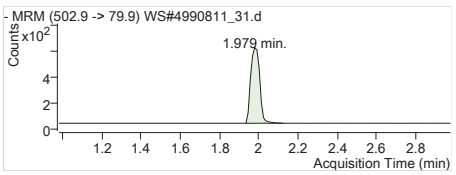


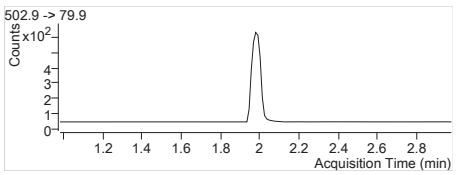
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



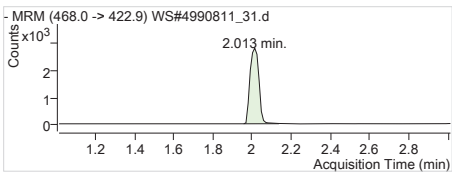


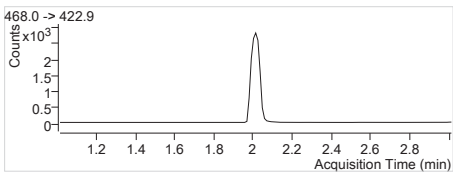
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



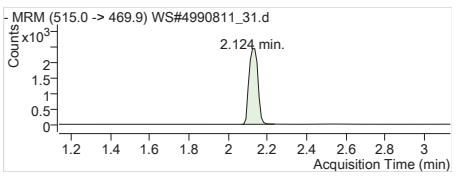


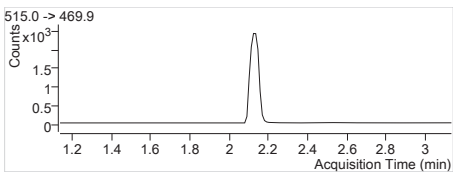
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



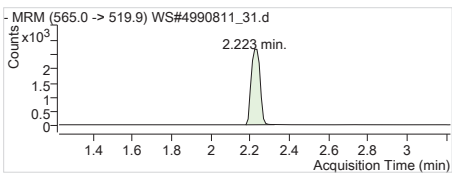


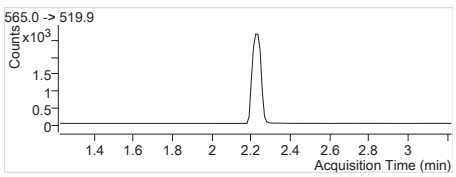
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



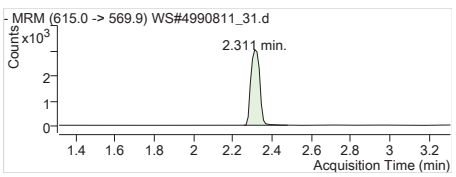


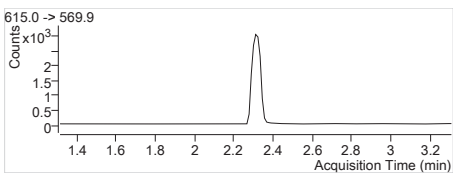
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



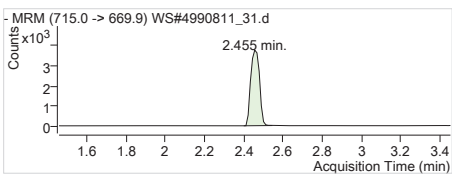


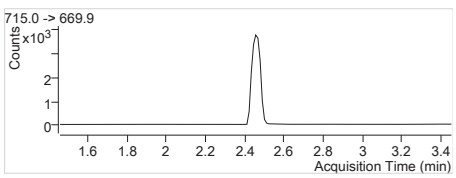
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



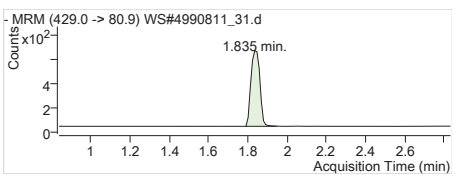


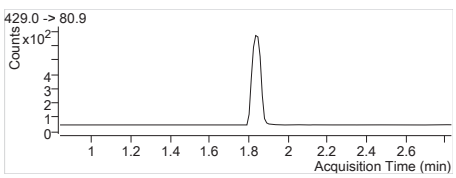
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



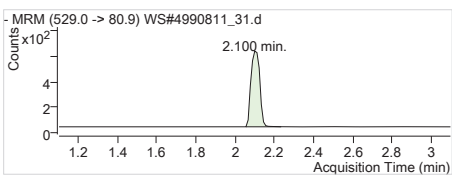


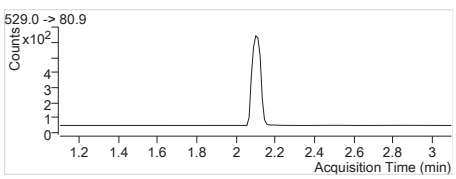
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



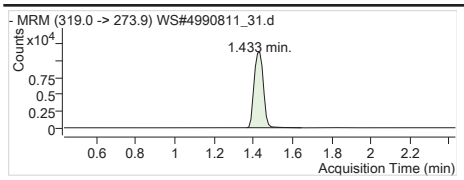


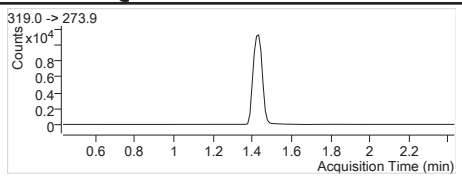
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



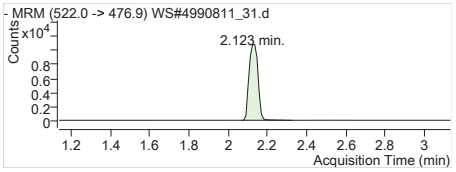


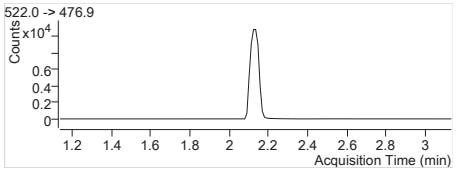
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



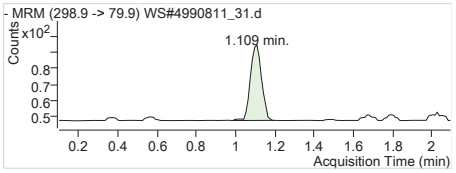


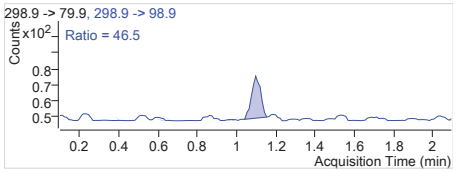
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



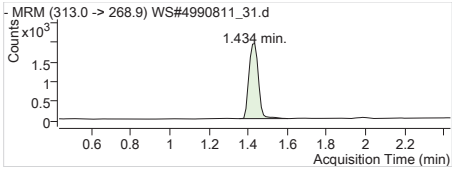


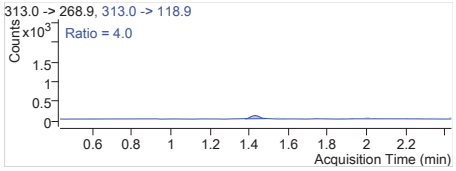
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



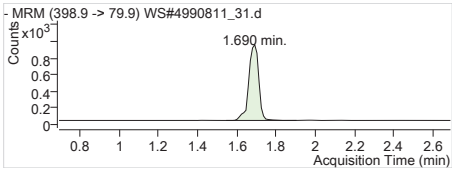


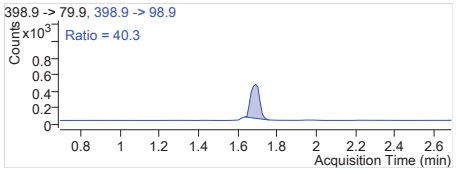
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.109 (1.098)
Calc. conc. 39.32 µg/Kg
Area ratio: 0.12865
Sample type: Sample



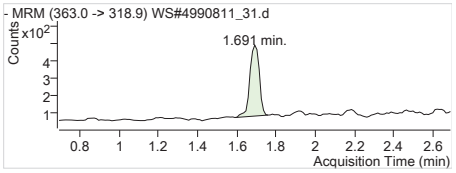


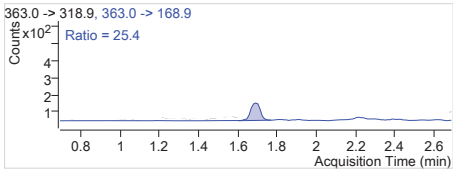
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 208.93 µg/Kg
Area ratio: 0.75685
Sample type: Sample



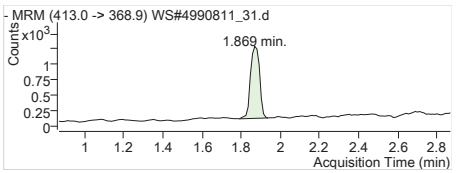


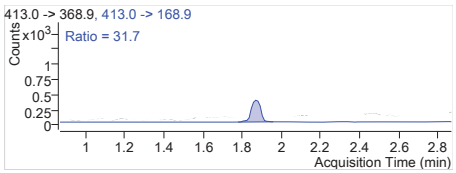
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 562.26 µg/Kg
Area ratio: 2.23713
Sample type: Sample



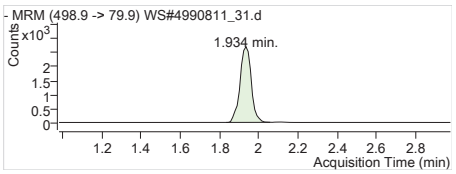


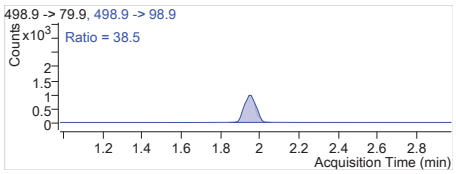
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 52.35 µg/Kg
Area ratio: 0.14702
Sample type: Sample



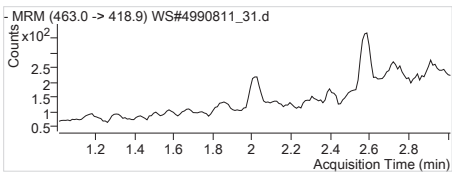


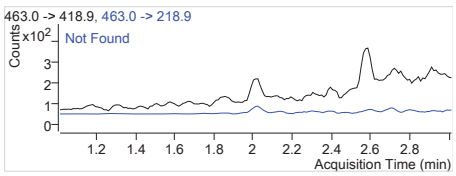
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 113.33 µg/Kg
Area ratio: 0.41266
Sample type: Sample



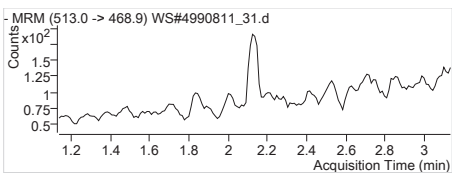


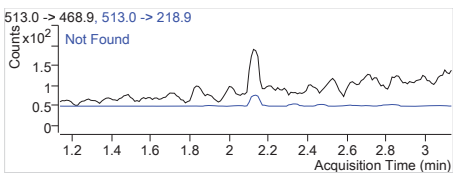
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.934 (1.979)
Calc. conc. 1837.80 µg/Kg
Area ratio: 5.67848
Sample type: Sample



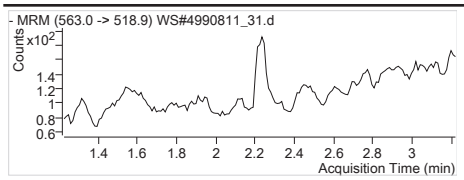


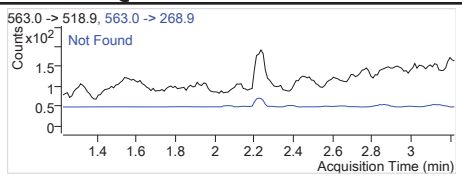
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



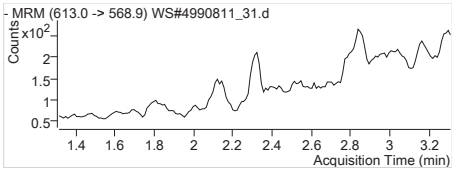


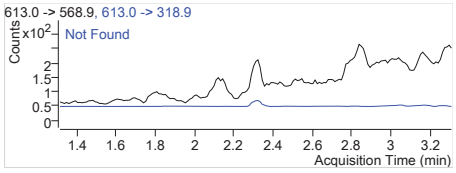
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



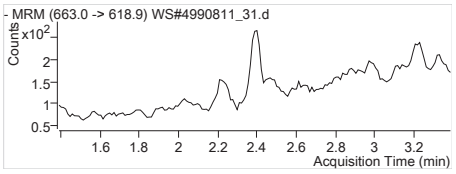


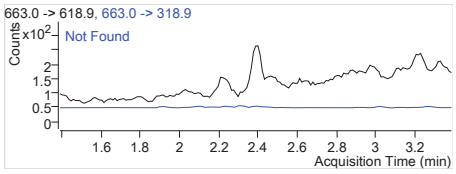
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



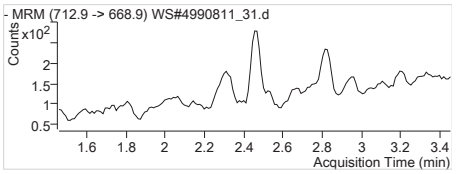


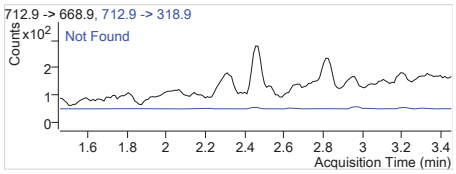
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



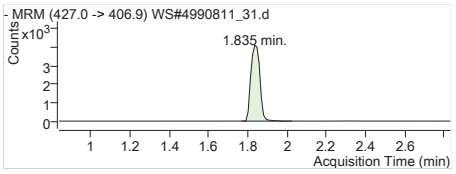


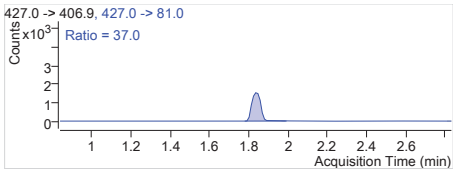
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



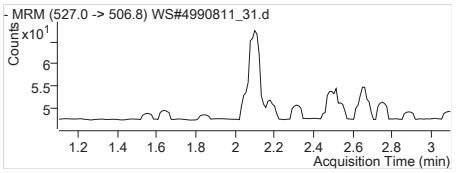


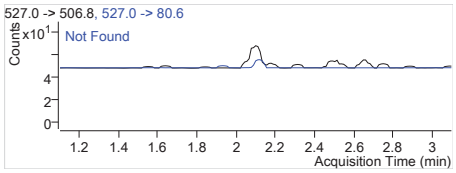
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



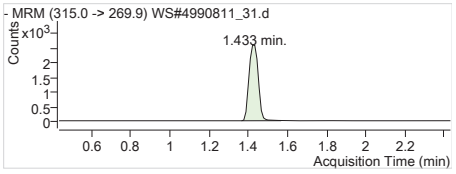


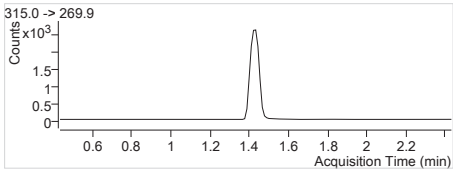
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 1911.86 µg/Kg
Area ratio: 6.54813
Sample type: Sample



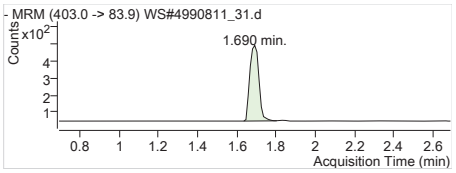


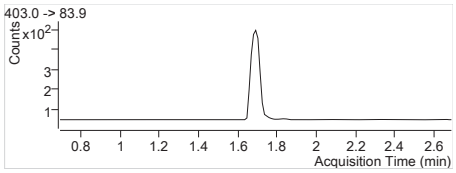
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



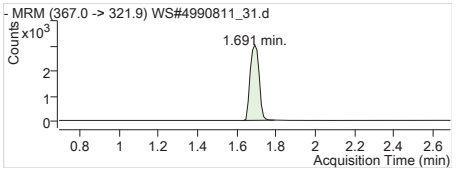


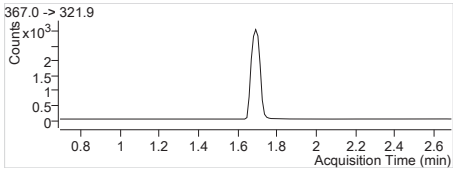
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 119.48 µg/Kg
Area ratio: 0.23009
Sample type: Sample



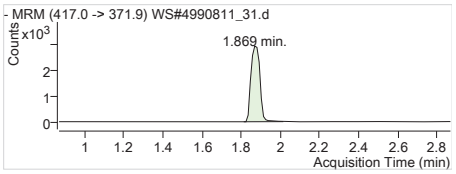


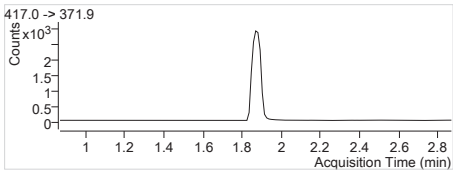
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 109.96 µg/Kg
Area ratio: 0.03924
Sample type: Sample



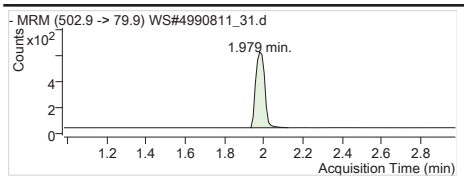


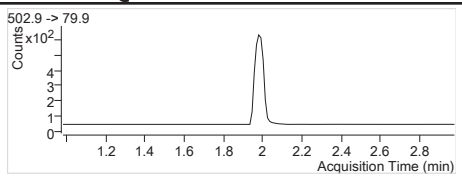
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 122.89 µg/Kg
Area ratio: 0.25820
Sample type: Sample



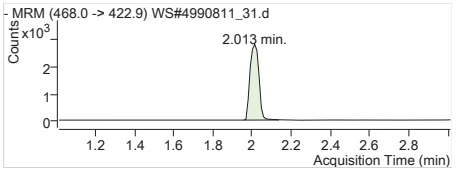


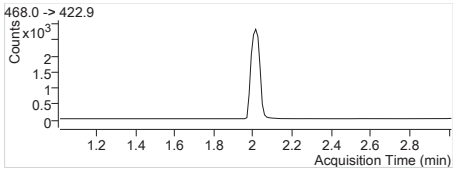
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 123.80 µg/Kg
Area ratio: 0.25091
Sample type: Sample



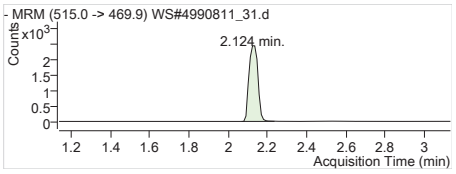


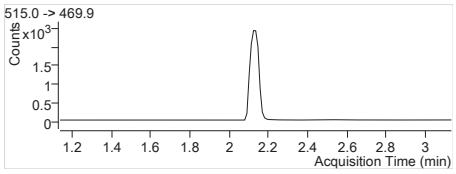
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	115.88 µg/Kg
Area ratio:	0.05084
Sample type:	Sample



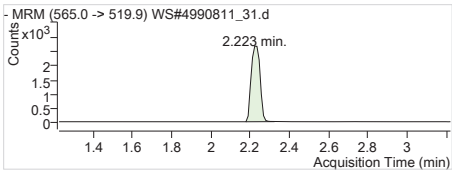


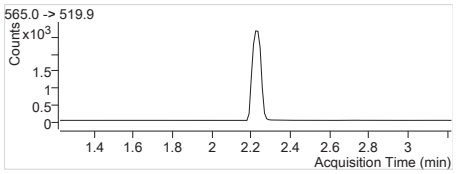
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	116.83 µg/Kg
Area ratio:	0.23932
Sample type:	Sample



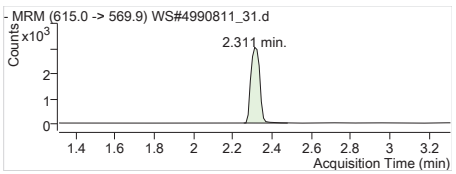


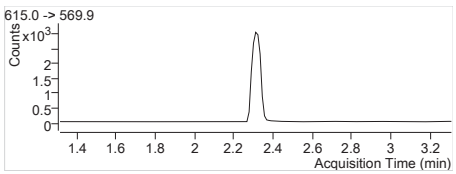
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.124 (2.135)
Calc. conc.	118.50 µg/Kg
Area ratio:	0.22209
Sample type:	Sample



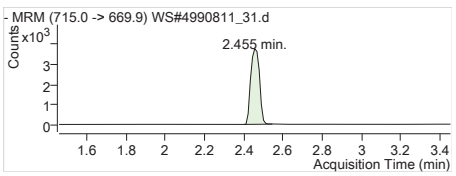


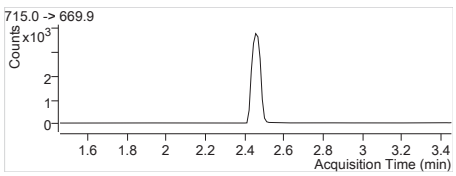
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	112.21 µg/Kg
Area ratio:	0.24257
Sample type:	Sample



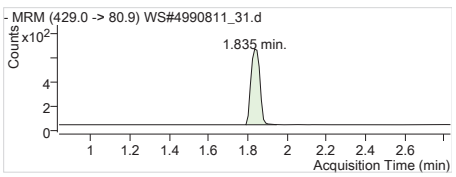


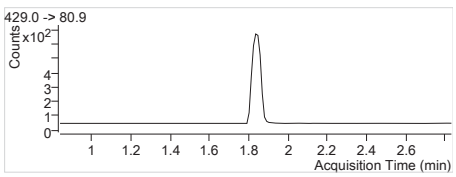
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	111.70 µg/Kg
Area ratio:	0.27689
Sample type:	Sample



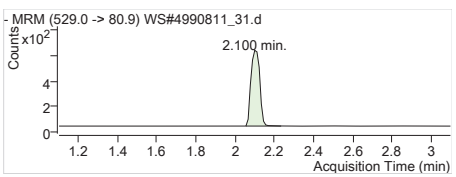


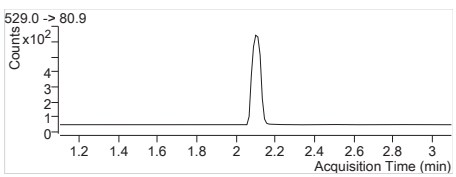
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	111.45 µg/Kg
Area ratio:	0.33954
Sample type:	Sample



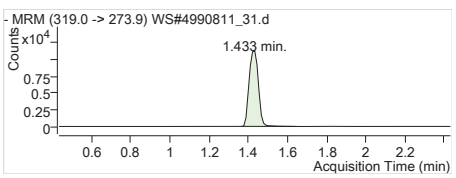


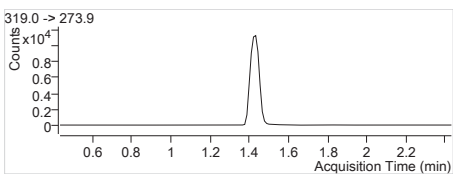
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	110.34 µg/Kg
Area ratio:	0.05387
Sample type:	Sample



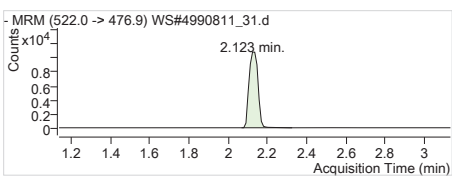


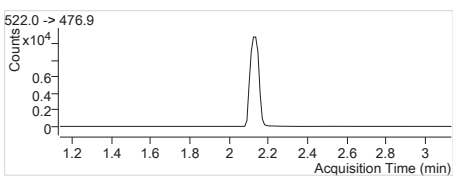
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	100.97 µg/Kg
Area ratio:	0.05084
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	11541.40 µg/Kg
Area ratio:	0
Sample type:	Sample





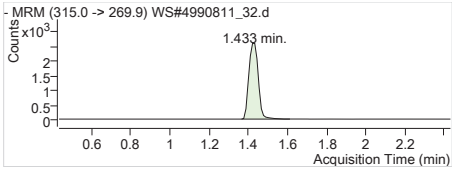
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.134)
Calc. conc.	11937.80 µg/Kg
Area ratio:	0
Sample type:	Sample

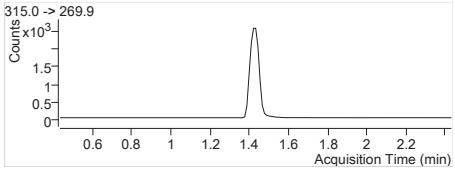
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI416-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_32.d	**Operator**	AD
Sample Type	Sample	**Dilution**	12.706
Acq. Method	PFC_Soil.m	**Position**	P2-D1
Acq. Date	2017/05/24 10:49:43 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except 6:2FTS, PFOS, PFHxS.		

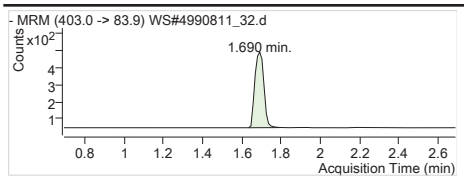
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8526	1.43	1 µg/Kg		
MPFHxS	1418	1.69	1 µg/Kg		
MPFHpA	8926	1.69	1 µg/Kg		
MPFOA	8929	1.87	1 µg/Kg		
MPFOS	1759	1.98	1 µg/Kg		
MPFNA	8959	2.01	1 µg/Kg		
MPFDA	7544	2.12	1 µg/Kg		
MPFUnA	8803	2.22	1 µg/Kg		
MPFDoA	9712	2.31	1 µg/Kg		
MPFTeDA	11978	2.46	1 µg/Kg		
M2 6:2 FTS	1839	1.83	1 µg/Kg		
M2 8:2 FTS	2199	2.10	1 µg/Kg		
13C6-PFHxA IS	35601	1.43	1 µg/Kg		
13C9-PFDA IS	31897	2.12	1 µg/Kg		

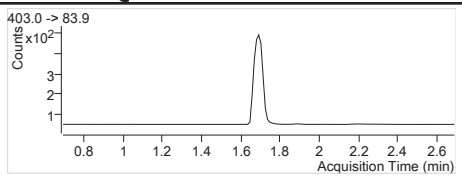
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	2478	1.10	-	35.95 µg/Kg	-
PFHxA 1	59676	1.43	-	190.85 µg/Kg	-
PFHxS 1	31979	1.69	-	552.83 µg/Kg	-
PFHpA 1	13154	1.69	-	39.66 µg/Kg	-
PFOA 1	36664	1.87	-	110.32 µg/Kg	-
PFOS 1	102966	1.93	-	1894.90 µg/Kg	-
PFNA 1	1702	2.01	-	5.80 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1	700	2.40	-	1.51 µg/Kg	-
PFTeDA 1			-	ND	-
6:2-FTS 1	92938	1.84	-	1481.29 µg/Kg	-
8:2-FTS 1	333	2.10	-	4.53 µg/Kg	-
13C2-PFHxA	8526	1.43	-	124.36 µg/Kg	-
18O2-PFHxS	1418	1.69	-	111.60 µg/Kg	-
13C4-PFHpA	8926	1.69	-	119.33 µg/Kg	-
13C4-PFOA	8929	1.87	-	123.75 µg/Kg	-
13C4-PFOS	1759	1.98	-	112.61 µg/Kg	-
13C5-PFNA	8959	2.01	-	122.85 µg/Kg	-
13C2-PFDA	7544	2.12	-	126.19 µg/Kg	-
13C2-PFUnA	8803	2.22	-	127.66 µg/Kg	-
13C2-PFDoA	9712	2.31	-	122.83 µg/Kg	-
13C2-PFTeDA	11978	2.46	-	123.26 µg/Kg	-
13C2-6:2-FTS	1839	1.83	-	105.80 µg/Kg	-
13C2-8:2 FTS	2199	2.10	-	122.67 µg/Kg	-
13C6-PFHxA	35601	1.43	-	1121.31 µg/Kg	-
13C9-PFDA	31897	2.12	-	1112.11 µg/Kg	-



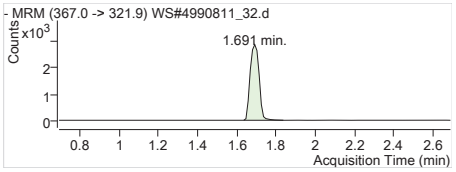


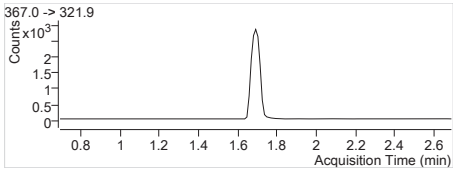
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



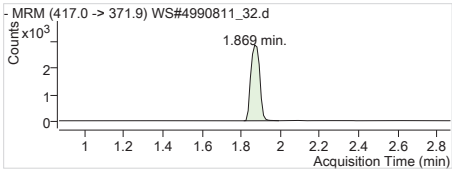


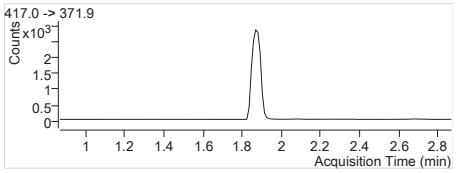
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



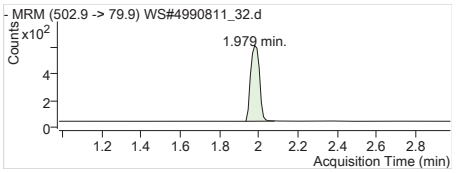


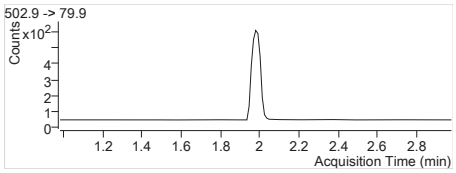
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



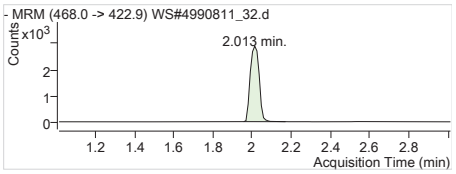


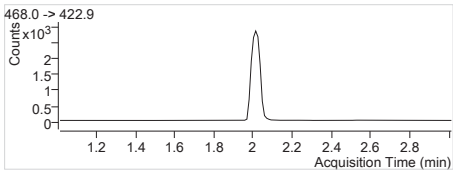
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



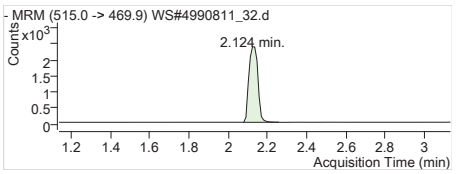


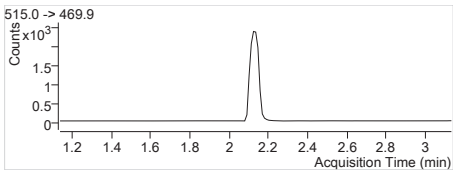
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



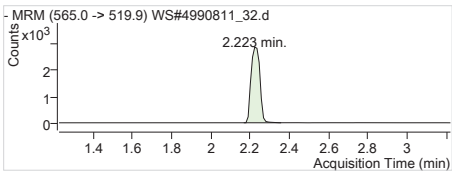


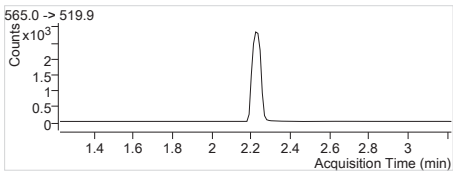
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



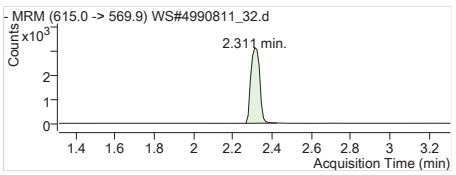


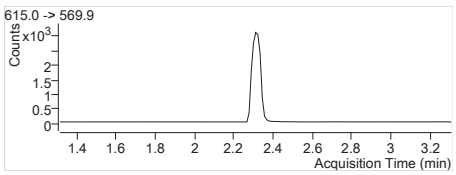
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



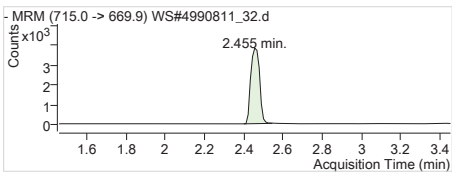


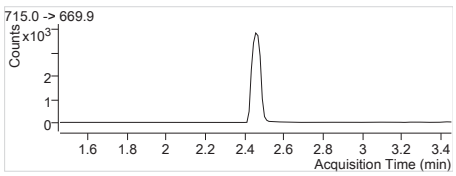
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



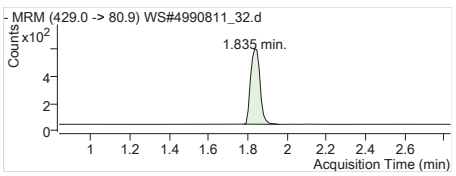


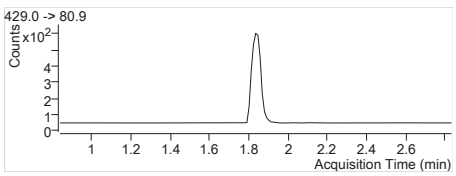
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



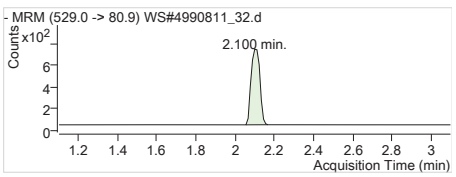


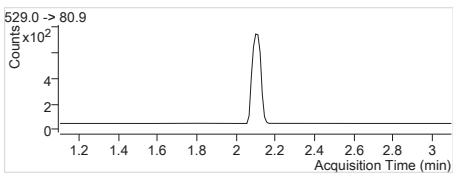
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



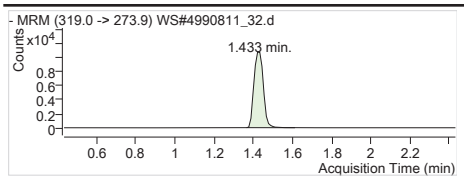


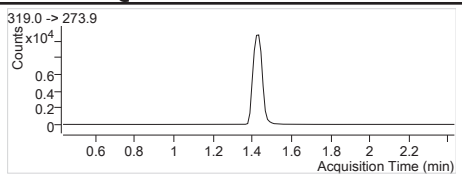
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



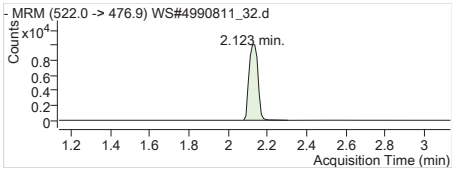


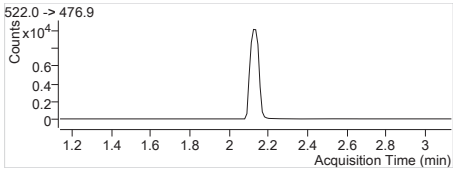
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



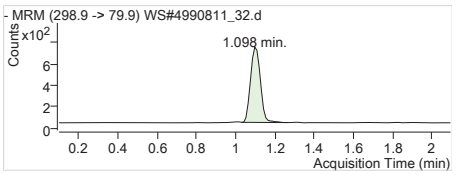


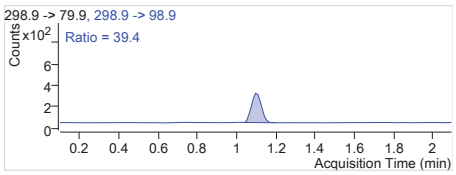
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



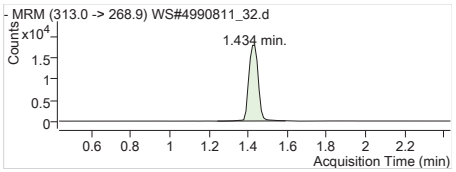


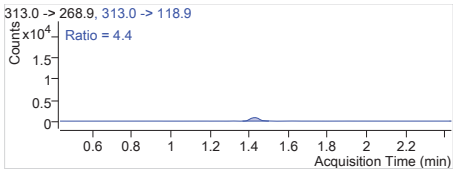
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



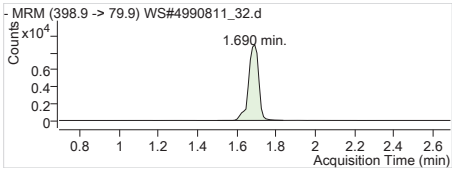


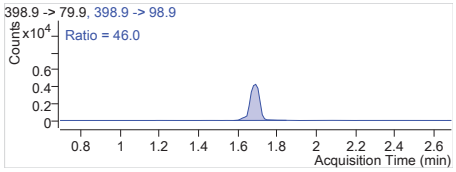
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 35.95 µg/Kg
Area ratio: 1.74753
Sample type: Sample



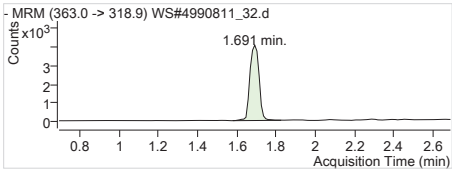


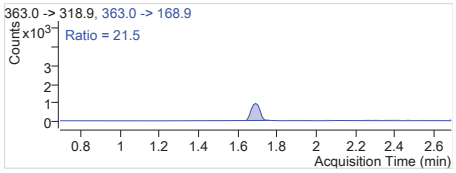
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 190.85 µg/Kg
Area ratio: 6.99930
Sample type: Sample



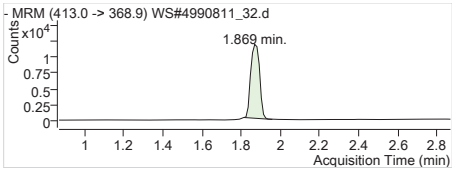


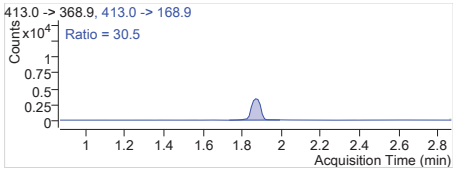
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 552.83 µg/Kg
Area ratio: 22.55219
Sample type: Sample



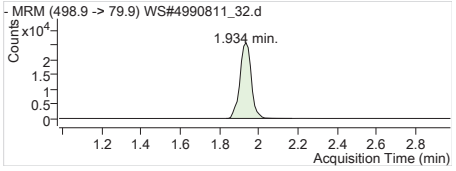


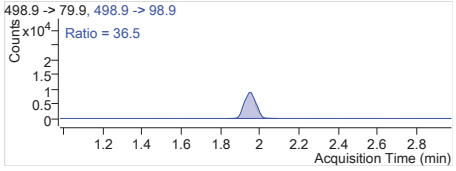
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 39.66 µg/Kg
Area ratio: 1.47367
Sample type: Sample



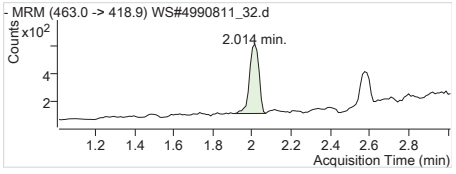


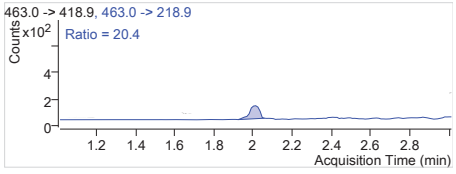
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 110.32 µg/Kg
Area ratio: 4.10617
Sample type: Sample



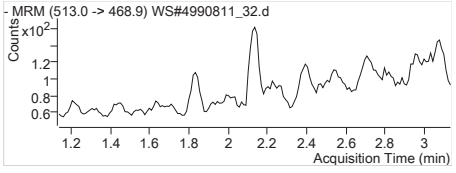


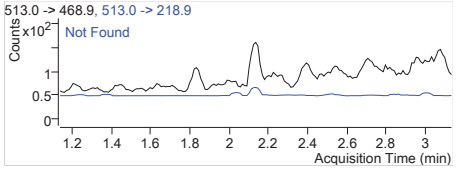
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.934 (1.979)
Calc. conc. 1894.90 µg/Kg
Area ratio: 58.53667
Sample type: Sample



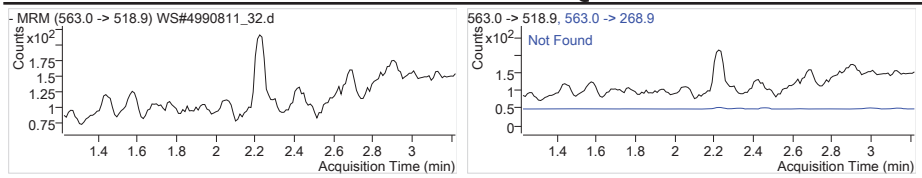


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 5.80 µg/Kg
Area ratio: 0.18998
Sample type: Sample

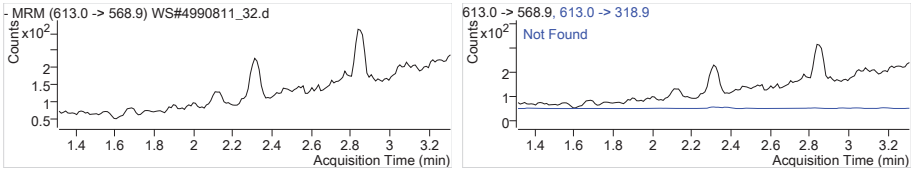




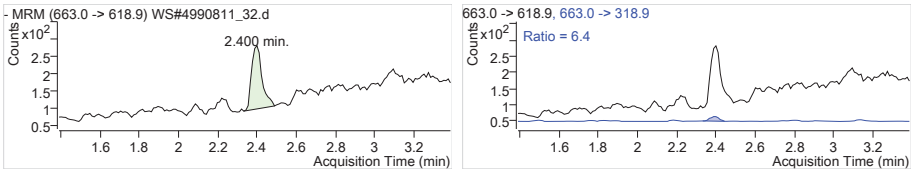
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



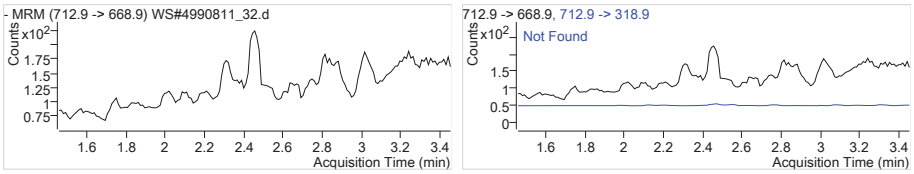
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



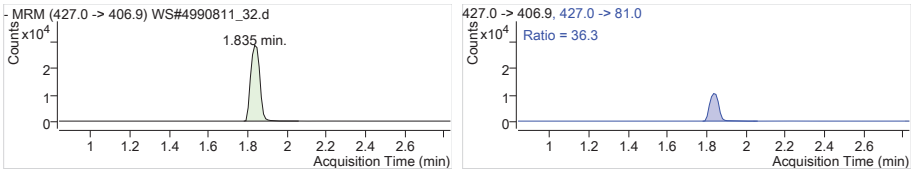
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



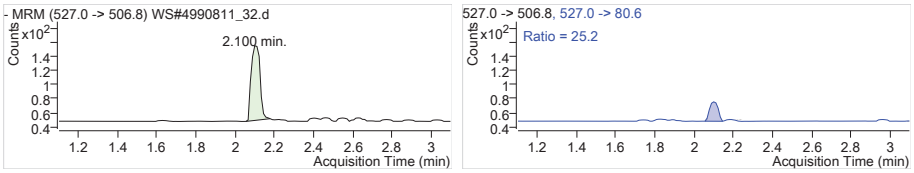
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.400 (2.388)
Calc. conc. 1.51 µg/Kg
Area ratio: 0.05844
Sample type: Sample



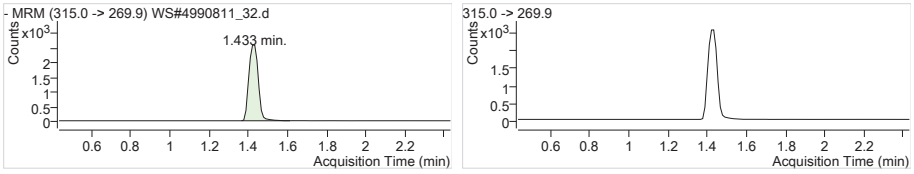
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



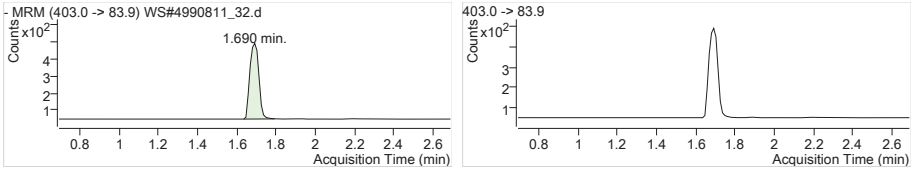
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 1481.29 µg/Kg
Area ratio: 50.53725
Sample type: Sample



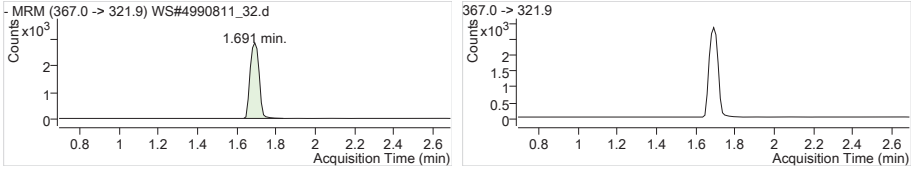
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 4.53 µg/Kg
Area ratio: 0.15143
Sample type: Sample



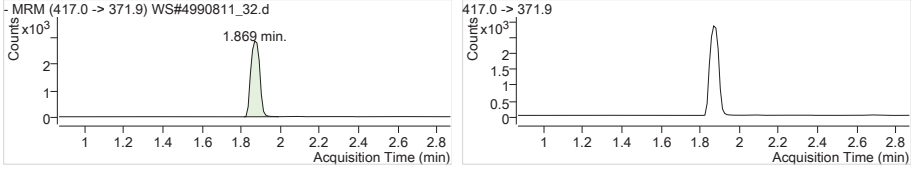
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 124.36 µg/Kg
Area ratio: 0.23949
Sample type: Sample



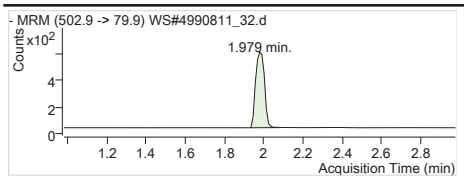
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 111.60 µg/Kg
Area ratio: 0.03983
Sample type: Sample

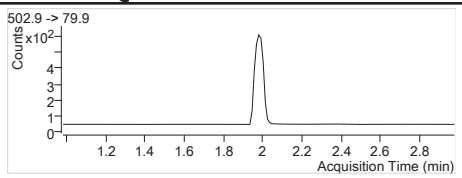


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 119.33 µg/Kg
Area ratio: 0.25072
Sample type: Sample

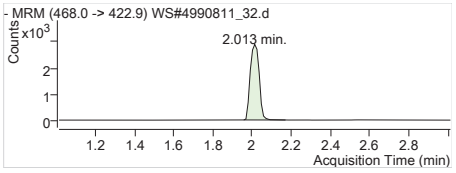


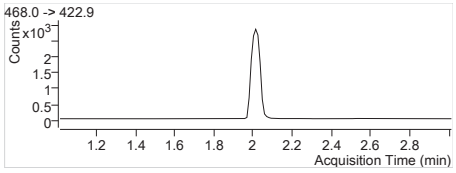
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 123.75 µg/Kg
Area ratio: 0.25081
Sample type: Sample



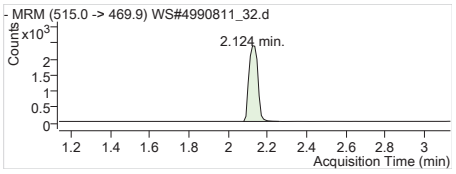


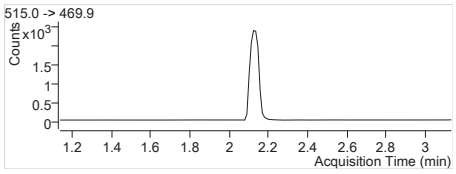
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	112.61 µg/Kg
Area ratio:	0.04941
Sample type:	Sample



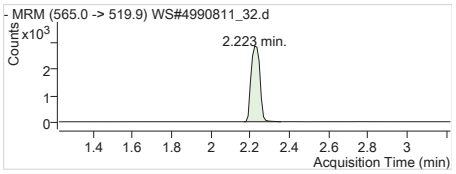


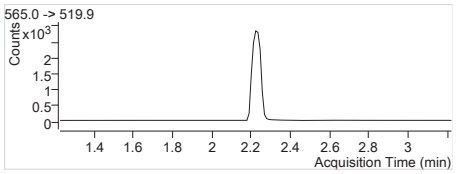
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	122.85 µg/Kg
Area ratio:	0.25165
Sample type:	Sample



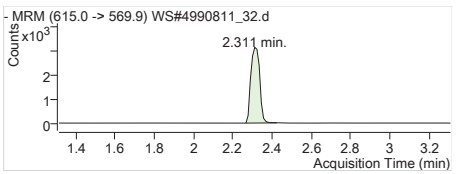


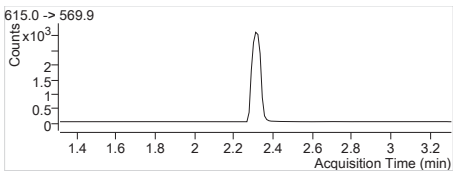
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.124 (2.135)
Calc. conc.	126.19 µg/Kg
Area ratio:	0.23651
Sample type:	Sample



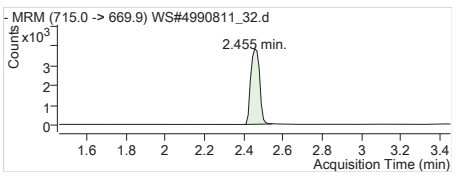


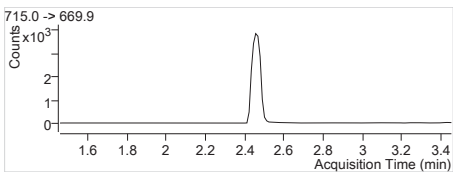
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	127.66 µg/Kg
Area ratio:	0.27598
Sample type:	Sample



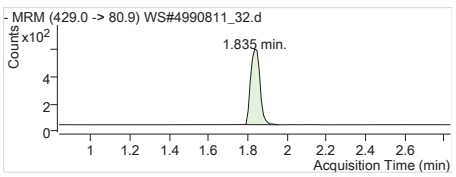


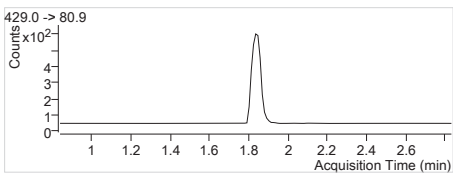
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	122.83 µg/Kg
Area ratio:	0.30448
Sample type:	Sample



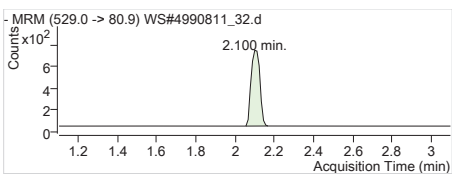


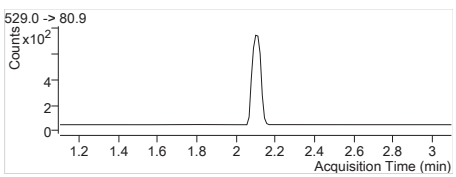
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	123.26 µg/Kg
Area ratio:	0.37552
Sample type:	Sample



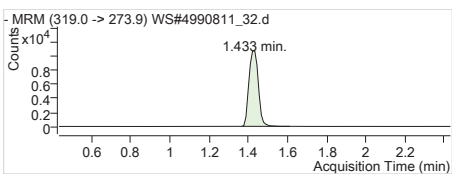


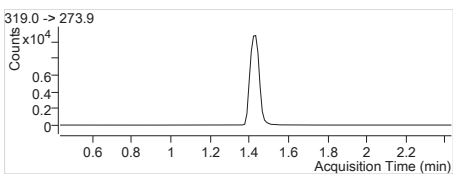
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	105.80 µg/Kg
Area ratio:	0.05166
Sample type:	Sample



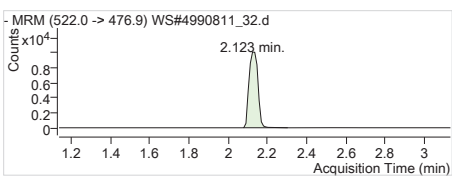


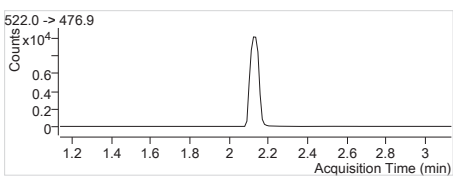
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	122.67 µg/Kg
Area ratio:	0.06177
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	1121.31 µg/Kg
Area ratio:	0
Sample type:	Sample





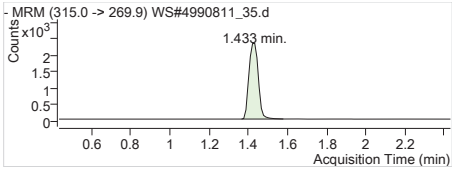
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.134)
Calc. conc.	1112.11 µg/Kg
Area ratio:	0
Sample type:	Sample

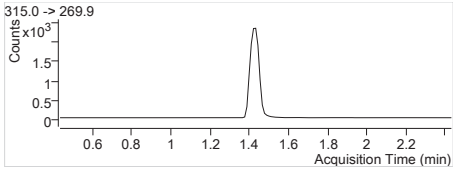
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI417-01:100x**	**Instrument**	LCMS04
Data File	WS#4990811_35.d	**Operator**	AD
Sample Type	Sample	**Dilution**	148.92
Acq. Method	PFC_Soil.m	**Position**	P2-D2
Acq. Date	2017/05/24 11:04:25 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for 6:2FTS only.		

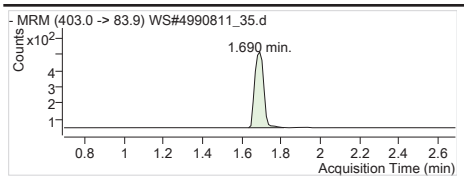
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7654	1.43	1 µg/Kg		
MPFHxS	1490	1.69	1 µg/Kg		
MPFHpA	8960	1.69	1 µg/Kg		
MPFOA	8586	1.87	1 µg/Kg		
MPFOS	1943	1.98	1 µg/Kg		
MPFNA	8998	2.01	1 µg/Kg		
MPFDA	6802	2.12	1 µg/Kg		
MPFUnA	8385	2.22	1 µg/Kg		
MPFDoA	9178	2.31	1 µg/Kg		
MPFTeDA	12203	2.46	1 µg/Kg		
M2 6:2 FTS	2214	1.83	1 µg/Kg		
M2 8:2 FTS	2108	2.10	1 µg/Kg		
13C6-PFHxA IS	38068	1.42	1 µg/Kg		
13C9-PFDA IS	35388	2.12	1 µg/Kg		

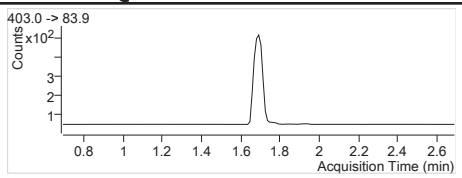
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	132	1.11	-	36.80 µg/Kg	-
PFHxA 1	5394	1.43	-	228.24 µg/Kg	-
PFHxS 1	1477	1.69	-	302.02 µg/Kg	-
PFHpA 1	1199	1.69	-	57.33 µg/Kg	-
PFOA 1	2010	1.87	-	76.74 µg/Kg	-
PFOS 1	2449	1.96	-	477.62 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	7154	1.84	-	1100.57 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7654	1.43	-	104.40 µg/Kg	-
18O2-PFHxS	1490	1.69	-	109.67 µg/Kg	-
13C4-PFHpA	8960	1.69	-	112.02 µg/Kg	-
13C4-PFOA	8586	1.87	-	111.28 µg/Kg	-
13C4-PFOS	1943	1.98	-	116.33 µg/Kg	-
13C5-PFNA	8998	2.01	-	115.39 µg/Kg	-
13C2-PFDA	6802	2.12	-	102.56 µg/Kg	-
13C2-PFUnA	8385	2.22	-	109.61 µg/Kg	-
13C2-PFDoA	9178	2.31	-	104.63 µg/Kg	-
13C2-PFTeDA	12203	2.46	-	113.19 µg/Kg	-
13C2-6:2-FTS	2214	1.83	-	119.12 µg/Kg	-
13C2-8:2 FTS	2108	2.10	-	109.97 µg/Kg	-
13C6-PFHxA	38068	1.42	-	14052.92 µg/Kg	-
13C9-PFDA	35388	2.12	-	14461.02 µg/Kg	-



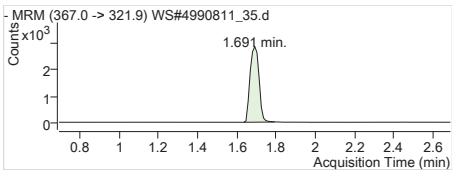


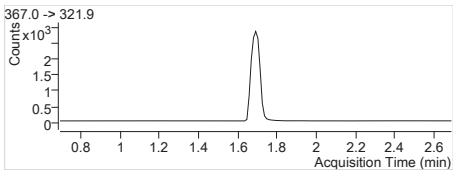
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



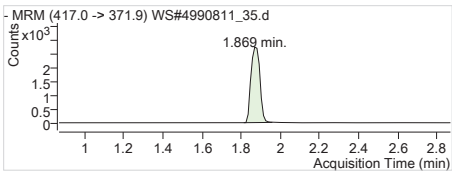


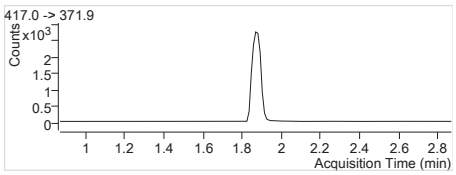
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



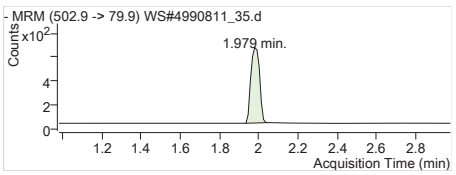


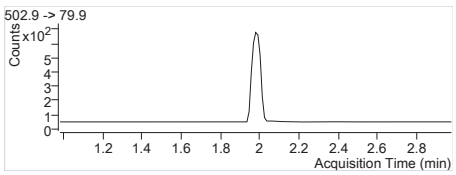
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



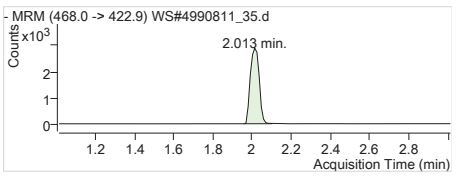


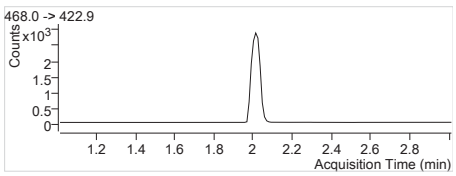
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



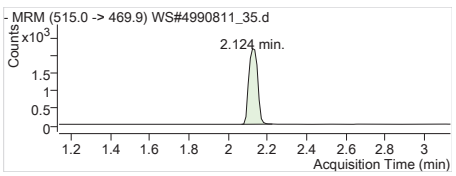


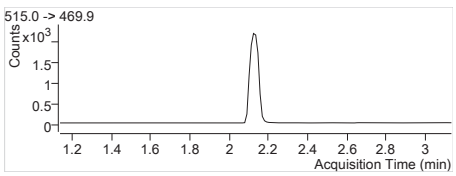
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



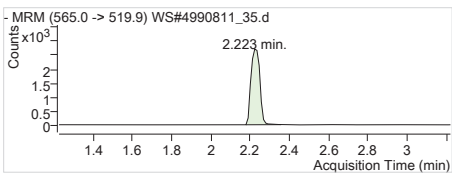


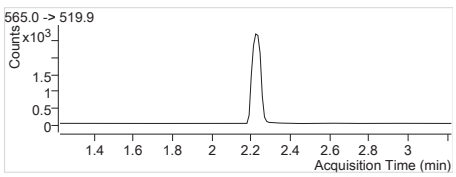
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



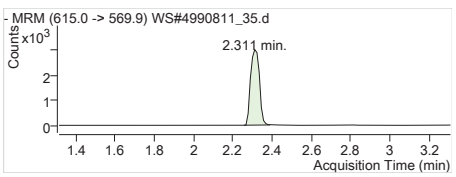


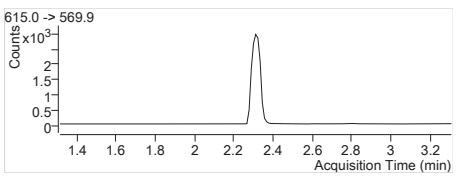
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



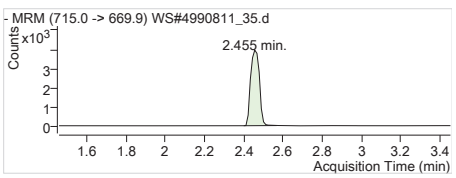


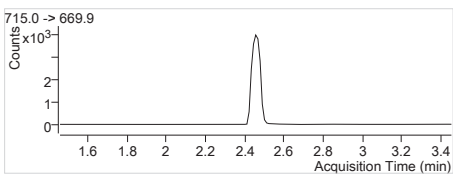
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



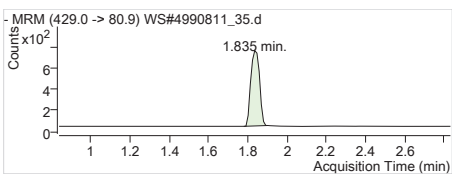


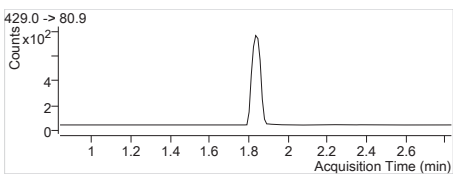
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



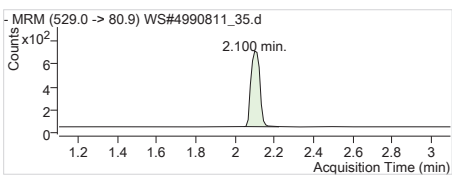


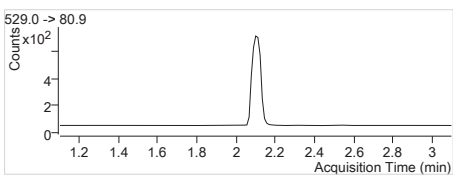
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



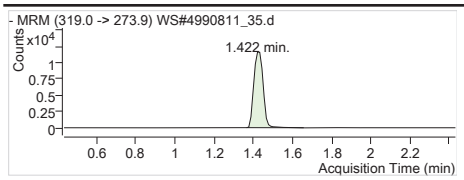


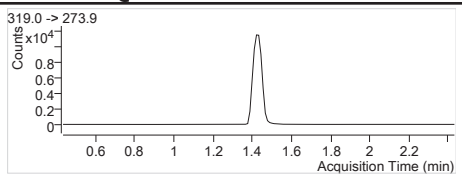
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



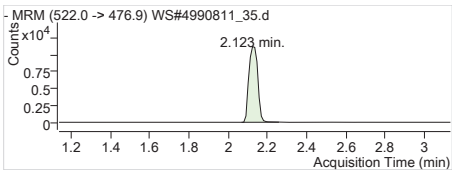


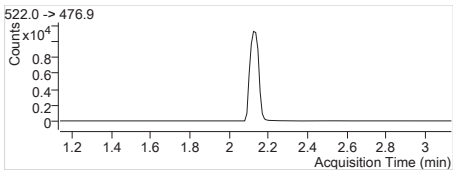
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



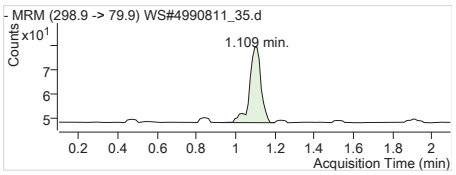


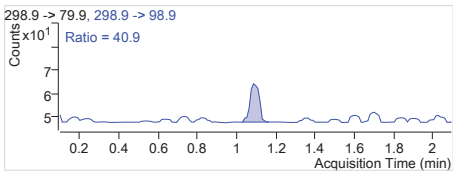
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



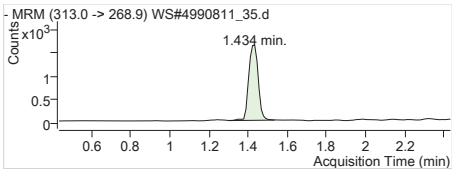


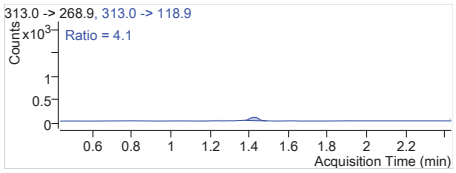
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



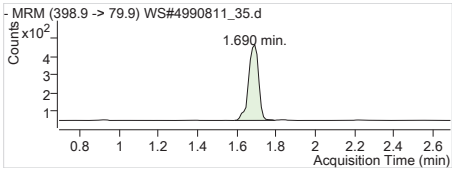


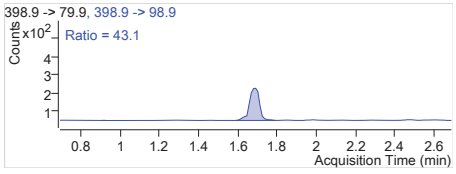
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.109 (1.098)
Calc. conc. 36.80 µg/Kg
Area ratio: 0.08859
Sample type: Sample



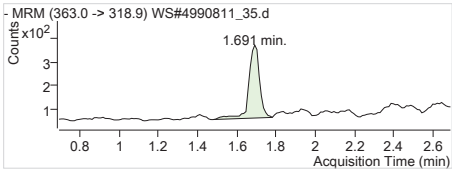


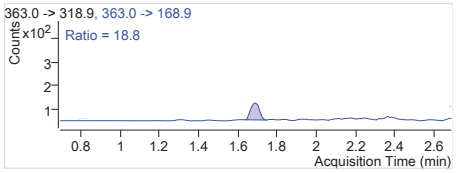
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 228.24 µg/Kg
Area ratio: 0.70473
Sample type: Sample



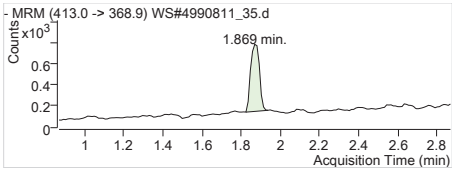


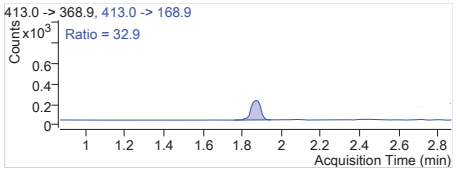
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 302.02 µg/Kg
Area ratio: 0.99128
Sample type: Sample



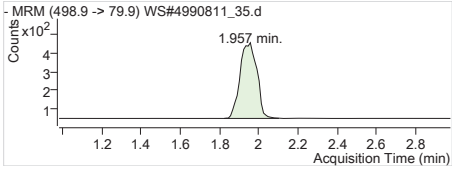


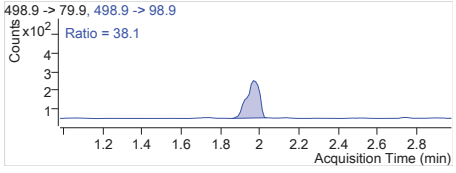
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 57.33 µg/Kg
Area ratio: 0.13382
Sample type: Sample



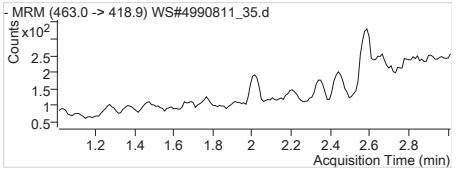


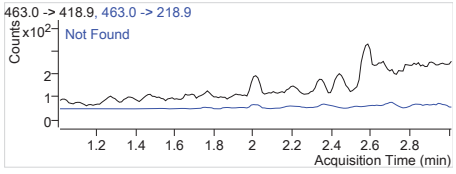
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 76.74 µg/Kg
Area ratio: 0.23410
Sample type: Sample



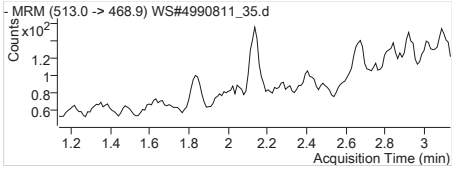


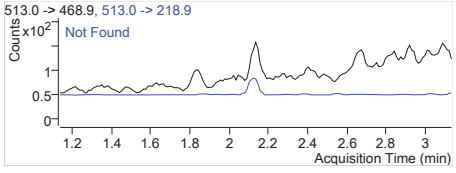
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.957 (1.979)
Calc. conc. 477.62 µg/Kg
Area ratio: 1.26042
Sample type: Sample



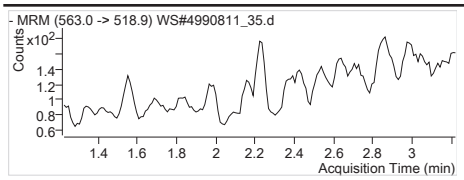


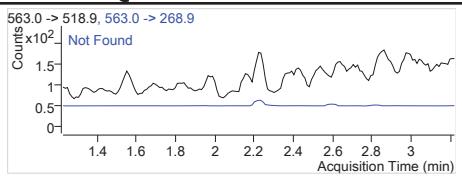
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



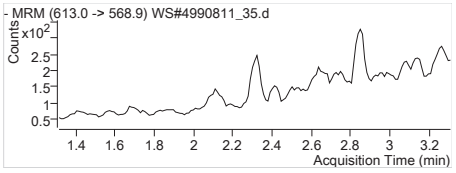


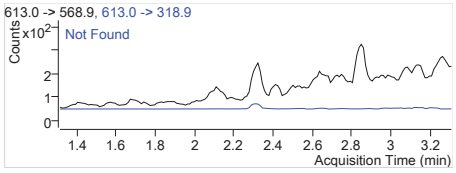
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



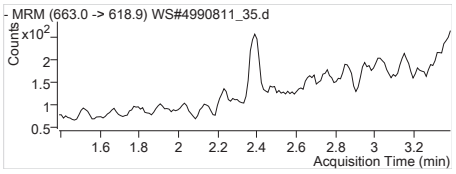


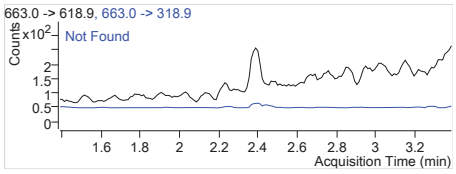
PFUnA 1	563.0 -> 518.9
RT (Exp. RT):	0.000 (2.223)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



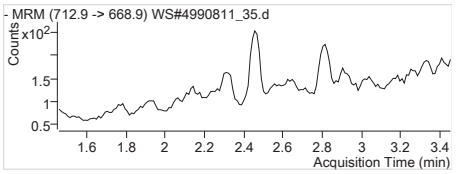


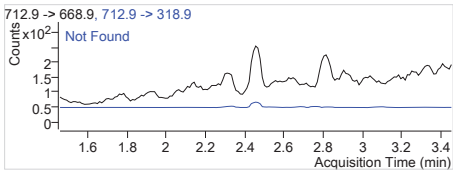
PFDoA 1	613.0 -> 568.9
RT (Exp. RT):	0.000 (2.311)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



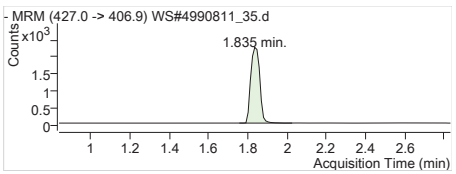


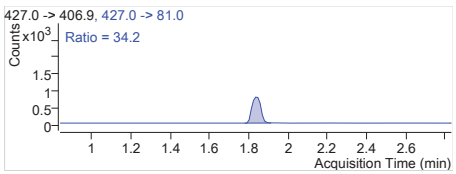
PFTrDA 1	663.0 -> 618.9
RT (Exp. RT):	0.000 (2.388)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



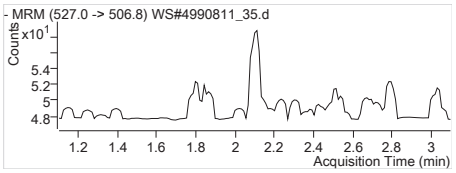


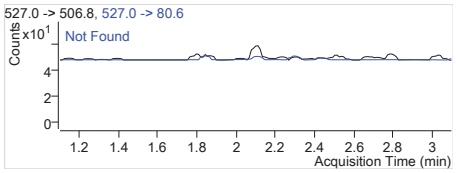
PFTeDA 1	712.9 -> 668.9
RT (Exp. RT):	0.000 (2.455)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



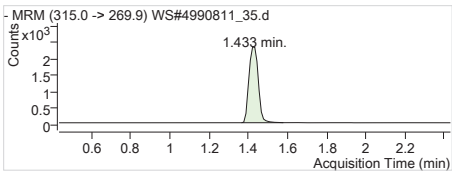


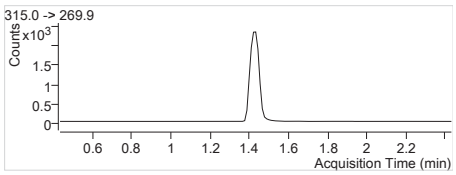
6:2-FTS 1	427.0 -> 406.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	1100.57 µg/Kg
Area ratio:	3.23126
Sample type:	Sample



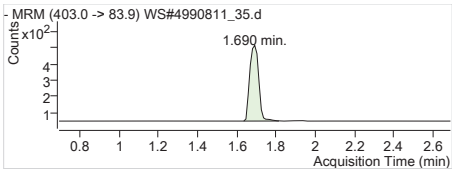


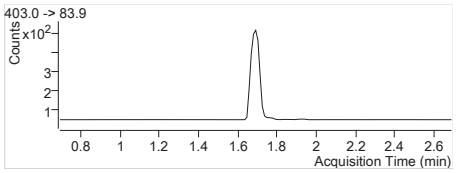
8:2-FTS 1	527.0 -> 506.8
RT (Exp. RT):	0.000 (2.100)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



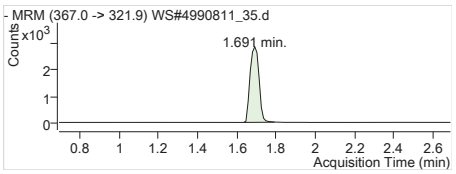


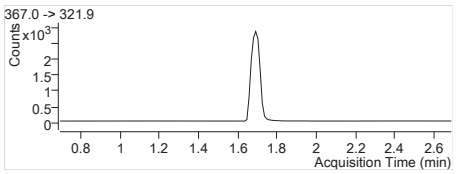
13C2-PFHxA	315.0 -> 269.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	104.40 µg/Kg
Area ratio:	0.20106
Sample type:	Sample



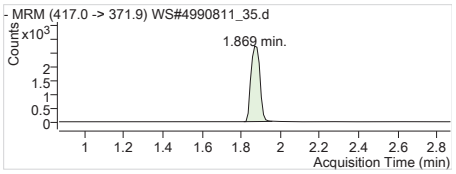


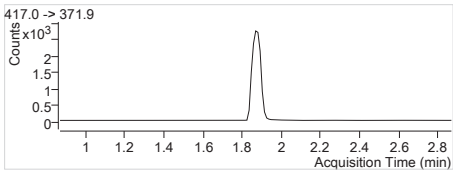
18O2-PFHxS	403.0 -> 83.9
RT (Exp. RT):	1.690 (1.690)
Calc. conc.	109.67 µg/Kg
Area ratio:	0.03914
Sample type:	Sample



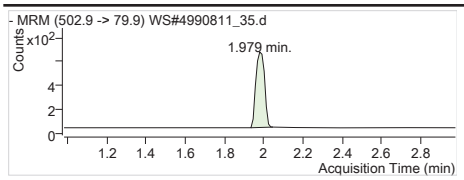


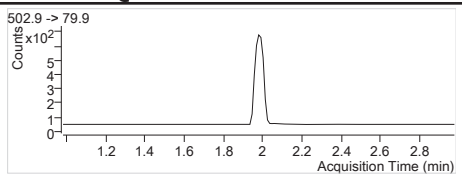
13C4-PFHpA	367.0 -> 321.9
RT (Exp. RT):	1.691 (1.691)
Calc. conc.	112.02 µg/Kg
Area ratio:	0.23537
Sample type:	Sample



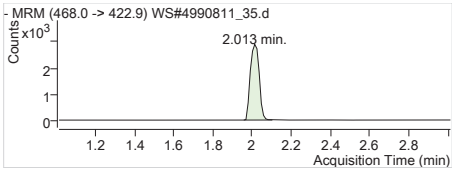


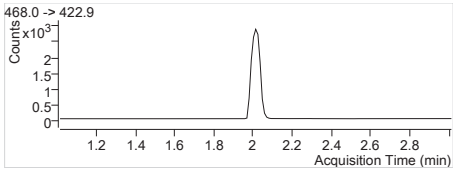
13C4-PFOA	417.0 -> 371.9
RT (Exp. RT):	1.869 (1.869)
Calc. conc.	111.28 µg/Kg
Area ratio:	0.22554
Sample type:	Sample



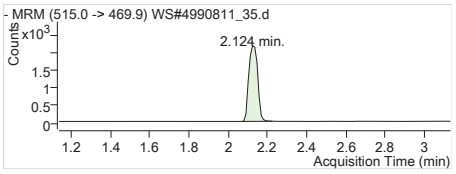


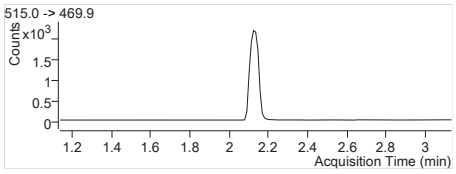
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 116.33 µg/Kg
Area ratio: 0.05104
Sample type: Sample



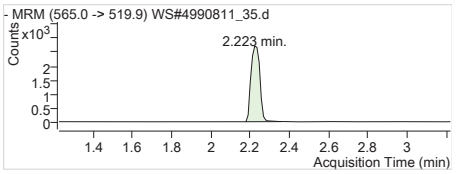


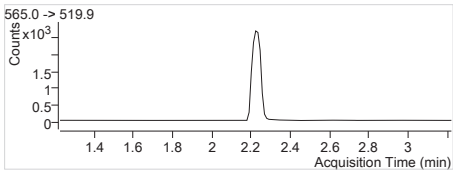
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 115.39 µg/Kg
Area ratio: 0.23637
Sample type: Sample



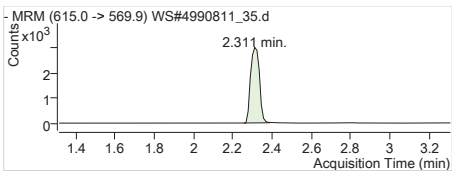


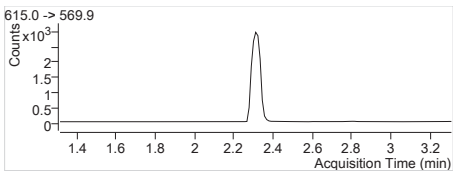
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 102.56 µg/Kg
Area ratio: 0.19221
Sample type: Sample



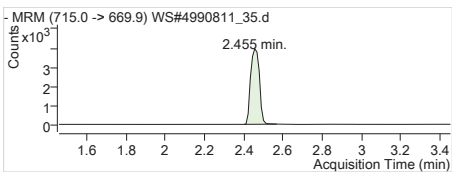


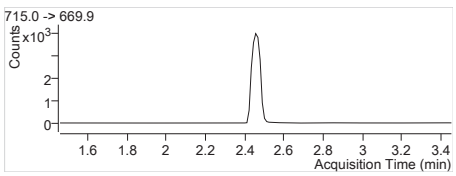
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 109.61 µg/Kg
Area ratio: 0.23694
Sample type: Sample



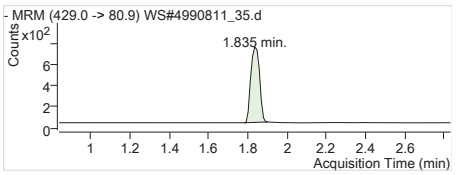


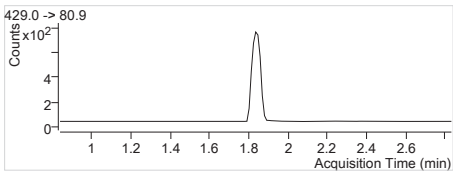
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 104.63 µg/Kg
Area ratio: 0.25935
Sample type: Sample



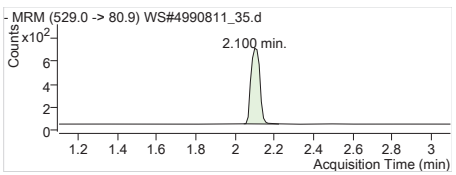


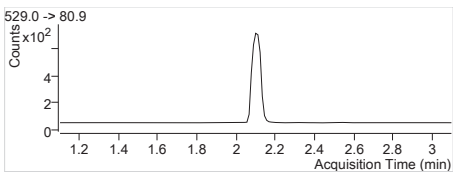
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 113.19 µg/Kg
Area ratio: 0.34483
Sample type: Sample



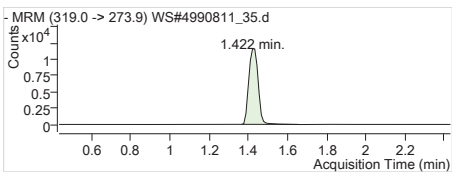


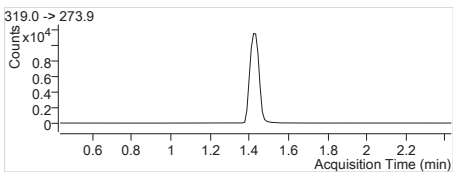
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 119.12 µg/Kg
Area ratio: 0.05816
Sample type: Sample



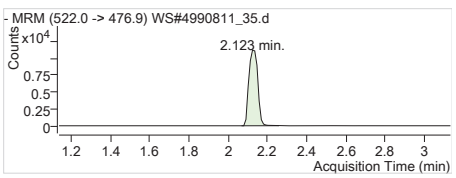


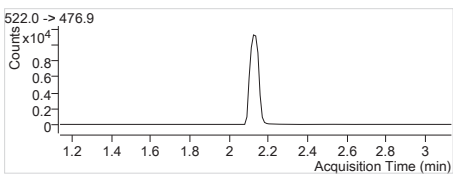
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 109.97 µg/Kg
Area ratio: 0.05537
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 14052.92 µg/Kg
Area ratio: 0
Sample type: Sample





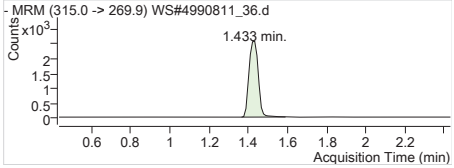
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 14461.02 µg/Kg
Area ratio: 0
Sample type: Sample

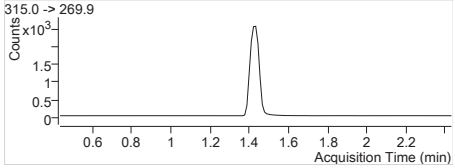
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI417-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_36.d	**Operator**	AD
Sample Type	Sample	**Dilution**	14.892
Acq. Method	PFC_Soil.m	**Position**	P2-D3
Acq. Date	2017/05/24 11:09:19 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except 6:2FTS.		

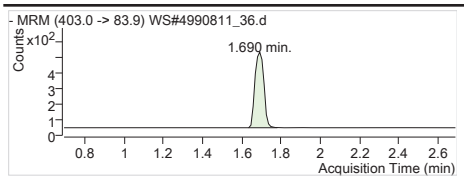
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8314	1.43	1 µg/Kg		
MPFHxS	1529	1.69	1 µg/Kg		
MPFHpA	9078	1.69	1 µg/Kg		
MPFOA	8684	1.87	1 µg/Kg		
MPFOS	1876	1.98	1 µg/Kg		
MPFNA	8824	2.01	1 µg/Kg		
MPFDA	7721	2.12	1 µg/Kg		
MPFUnA	8562	2.22	1 µg/Kg		
MPFDoA	9666	2.31	1 µg/Kg		
MPFTeDA	12642	2.46	1 µg/Kg		
M2 6:2 FTS	1745	1.83	1 µg/Kg		
M2 8:2 FTS	2154	2.10	1 µg/Kg		
13C6-PFHxA IS	39868	1.43	1 µg/Kg		
13C9-PFDA IS	37140	2.12	1 µg/Kg		

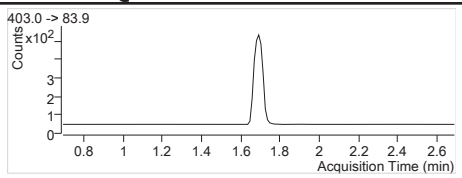
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	1515	1.10	-	24.60 µg/Kg	-
PFHxA 1	56455	1.43	-	217.02 µg/Kg	-
PFHxS 1	14987	1.69	-	282.63 µg/Kg	-
PFHpA 1	9377	1.69	-	33.08 µg/Kg	-
PFOA 1	19091	1.87	-	69.37 µg/Kg	-
PFOS 1	25067	1.95	-	506.91 µg/Kg	-
PFNA 1	607	2.00	-	2.49 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	58220	1.84	-	1145.83 µg/Kg	-
8:2-FTS 1	327	2.11	-	5.33 µg/Kg	-
13C2-PFHxA	8314	1.43	-	108.29 µg/Kg	-
18O2-PFHxS	1529	1.69	-	107.45 µg/Kg	-
13C4-PFHpA	9078	1.69	-	108.37 µg/Kg	-
13C4-PFOA	8684	1.87	-	107.47 µg/Kg	-
13C4-PFOS	1876	1.98	-	107.25 µg/Kg	-
13C5-PFNA	8824	2.01	-	108.05 µg/Kg	-
13C2-PFDA	7721	2.12	-	110.92 µg/Kg	-
13C2-PFUnA	8562	2.22	-	106.64 µg/Kg	-
13C2-PFDoA	9666	2.31	-	104.99 µg/Kg	-
13C2-PFTeDA	12642	2.46	-	111.73 µg/Kg	-
13C2-6:2-FTS	1745	1.83	-	89.65 µg/Kg	-
13C2-8:2 FTS	2154	2.10	-	107.30 µg/Kg	-
13C6-PFHxA	39868	1.43	-	1471.74 µg/Kg	-
13C9-PFDA	37140	2.12	-	1517.70 µg/Kg	-



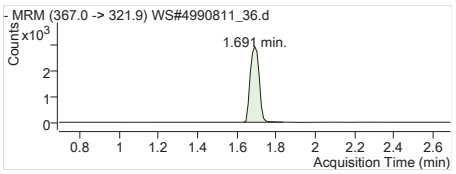


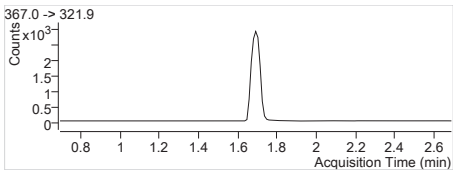
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



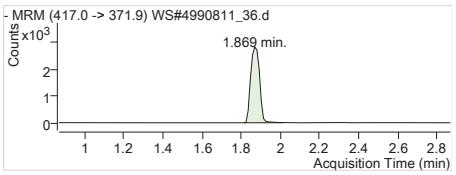


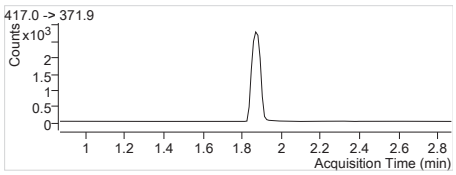
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



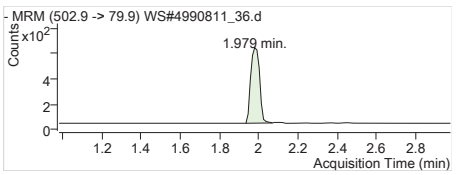


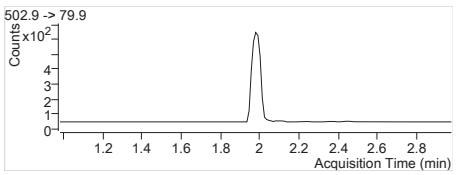
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



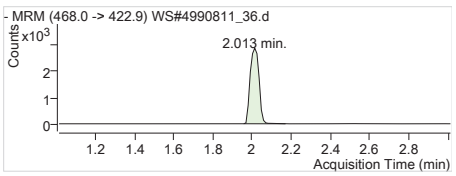


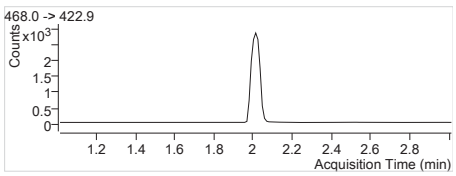
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



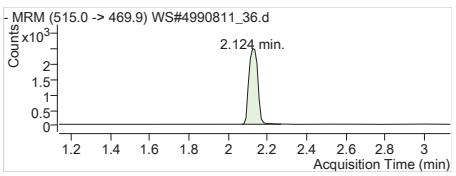


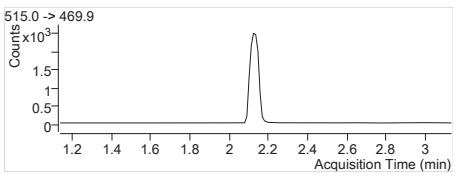
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



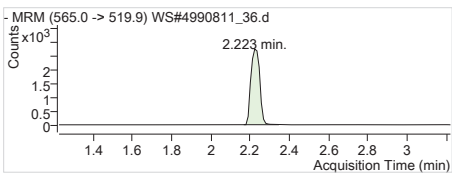


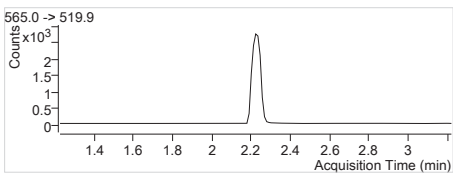
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



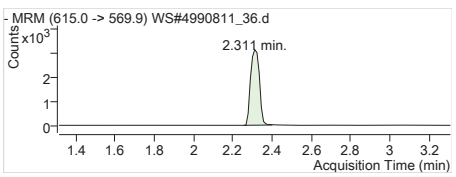


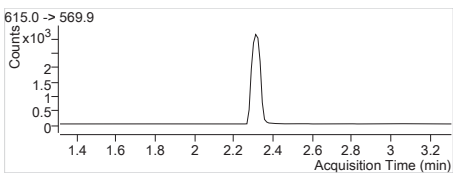
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



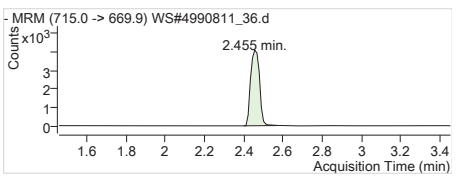


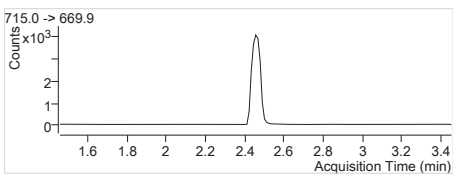
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



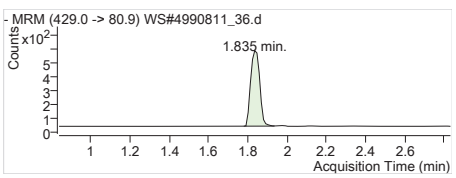


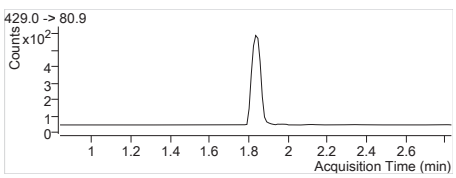
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



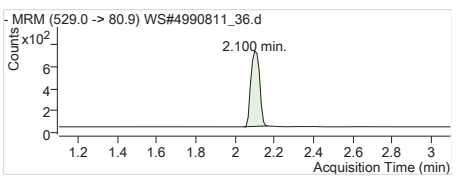


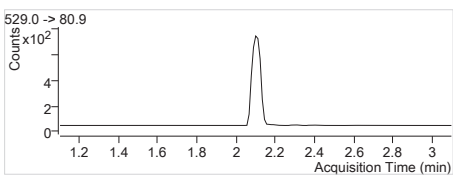
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



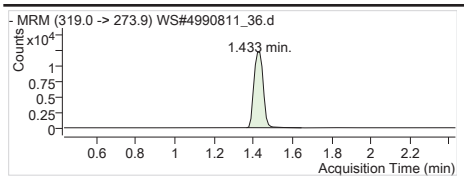


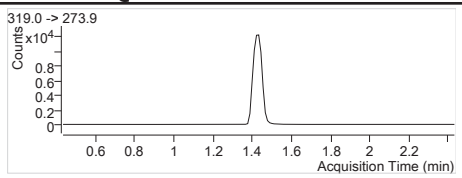
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



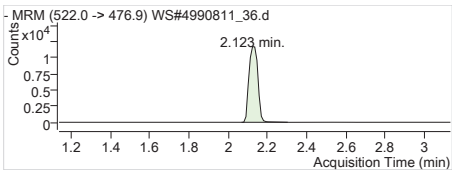


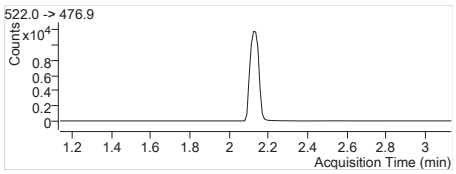
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



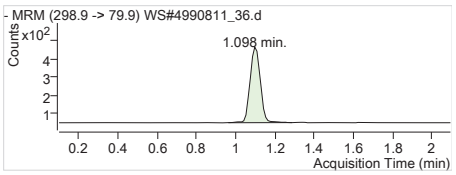


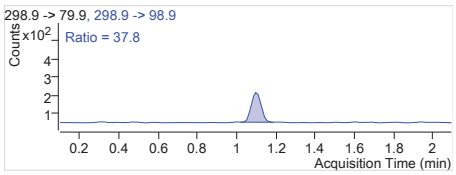
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



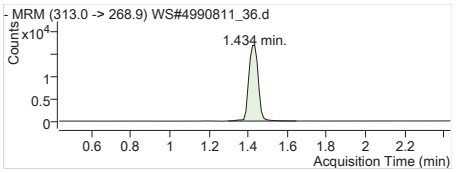


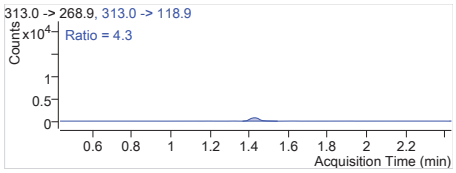
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



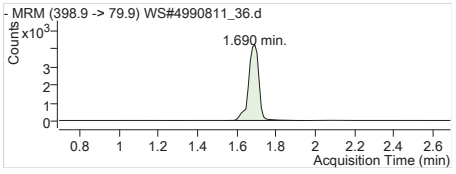


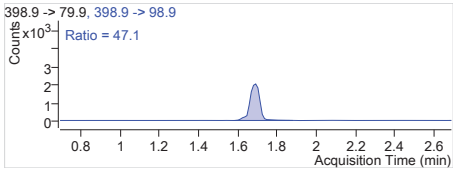
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 24.60 µg/Kg
Area ratio: 0.99084
Sample type: Sample



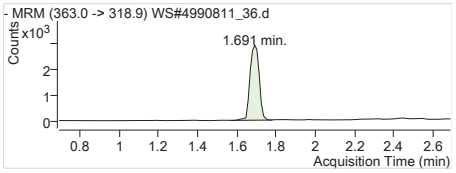


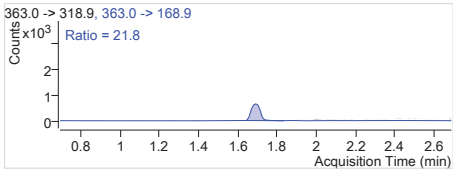
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 217.02 µg/Kg
Area ratio: 6.79035
Sample type: Sample



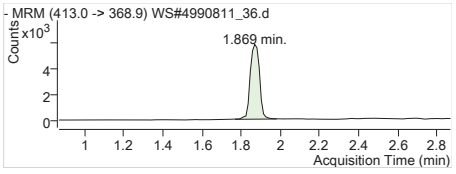


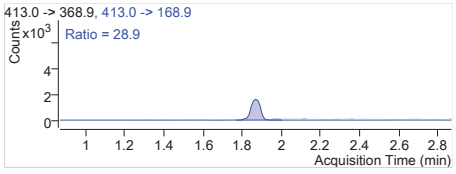
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 282.63 µg/Kg
Area ratio: 9.80183
Sample type: Sample



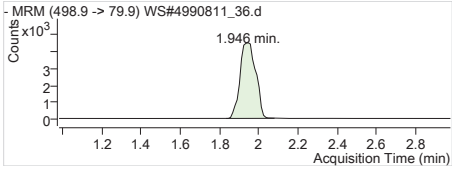


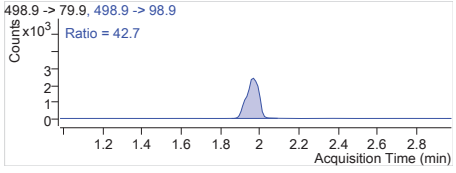
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 33.08 µg/Kg
Area ratio: 1.03294
Sample type: Sample



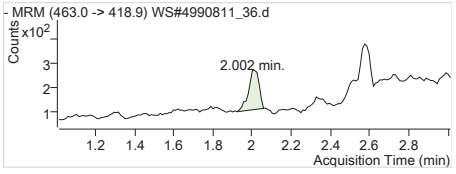


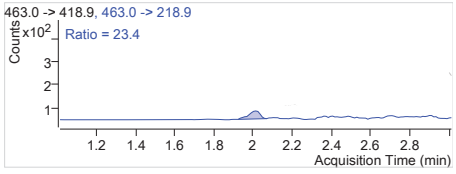
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 69.37 µg/Kg
Area ratio: 2.19841
Sample type: Sample



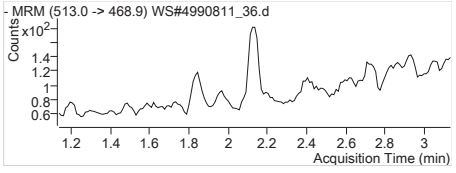


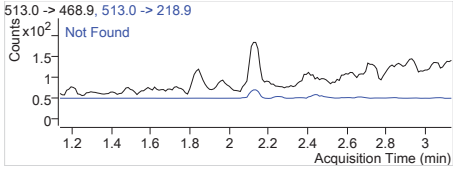
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.946 (1.979)
Calc. conc. 506.91 µg/Kg
Area ratio: 13.36194
Sample type: Sample



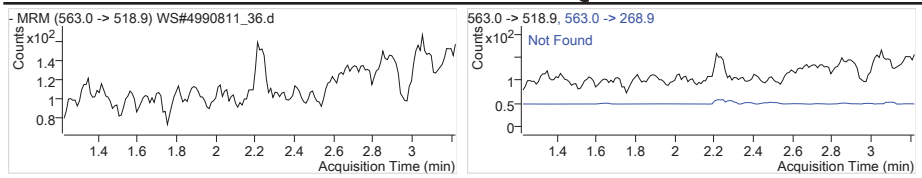


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.002 (2.014)
Calc. conc. 2.49 µg/Kg
Area ratio: 0.06879
Sample type: Sample

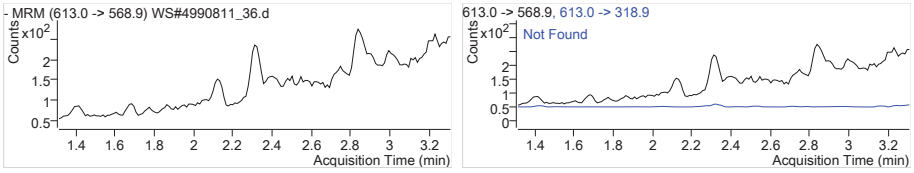




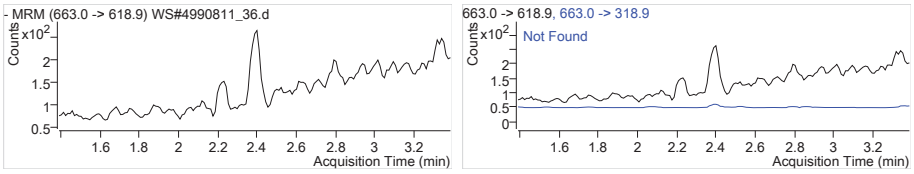
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



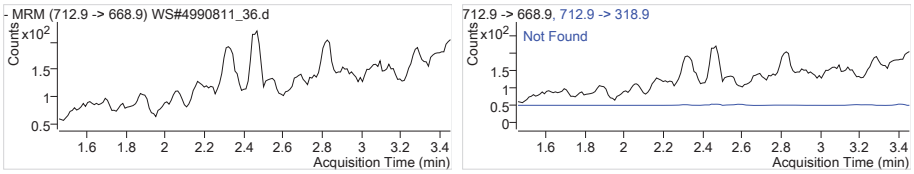
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



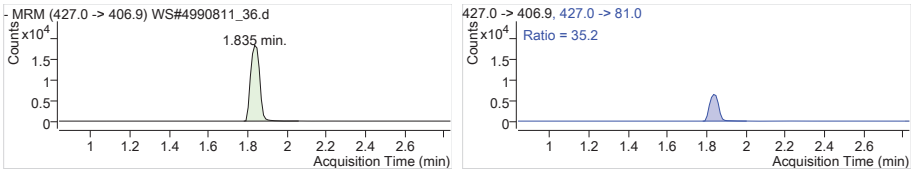
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



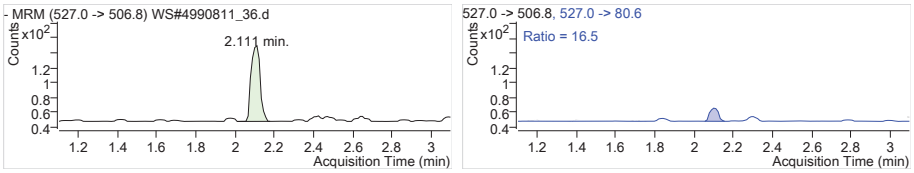
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



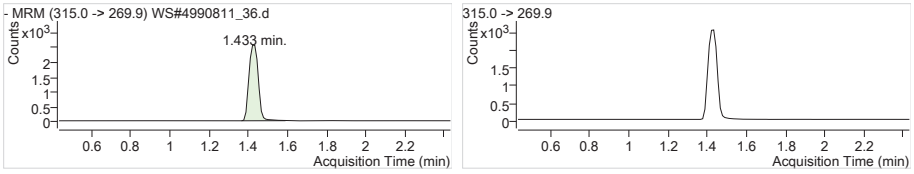
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



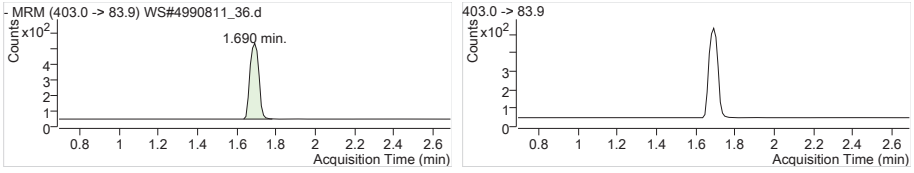
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 1145.83 µg/Kg
Area ratio: 33.36390
Sample type: Sample



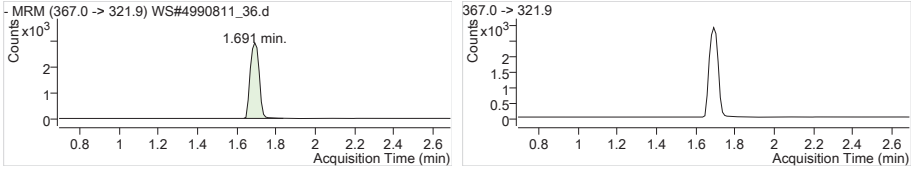
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.111 (2.100)
Calc. conc. 5.33 µg/Kg
Area ratio: 0.15181
Sample type: Sample



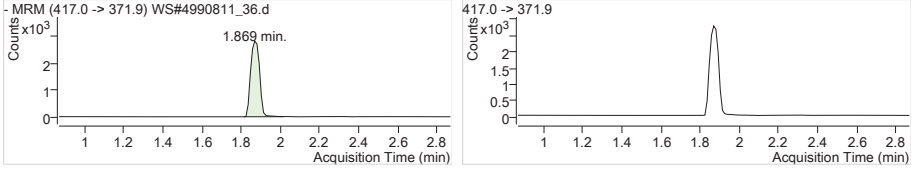
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 108.29 µg/Kg
Area ratio: 0.20854
Sample type: Sample



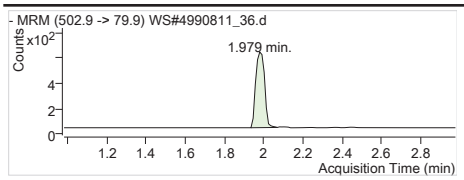
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 107.45 µg/Kg
Area ratio: 0.03835
Sample type: Sample

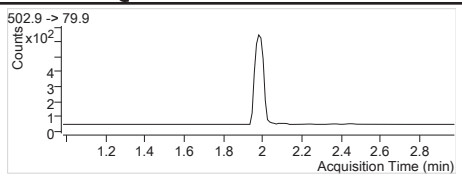


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 108.37 µg/Kg
Area ratio: 0.22770
Sample type: Sample

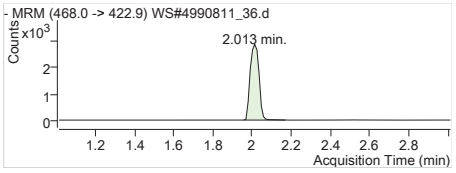


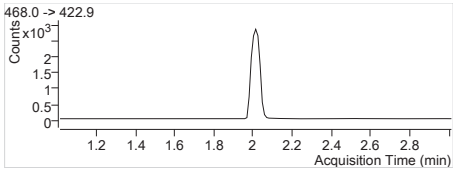
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 107.47 µg/Kg
Area ratio: 0.21782
Sample type: Sample



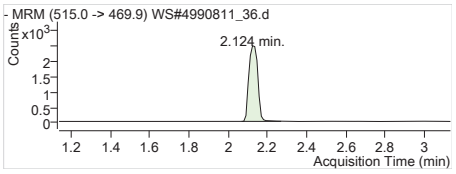


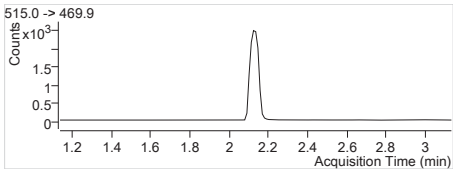
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 107.25 µg/Kg
Area ratio: 0.04706
Sample type: Sample



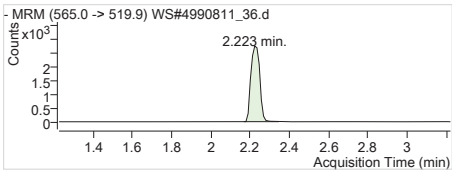


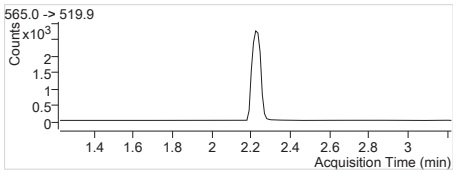
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 108.05 µg/Kg
Area ratio: 0.22133
Sample type: Sample



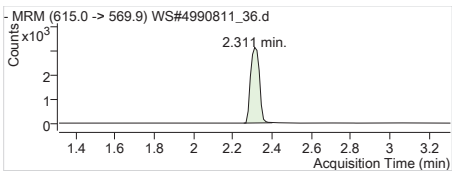


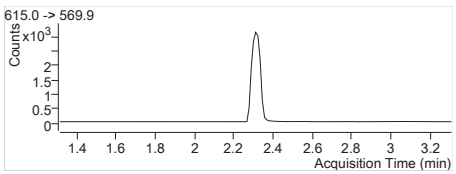
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 110.92 µg/Kg
Area ratio: 0.20789
Sample type: Sample



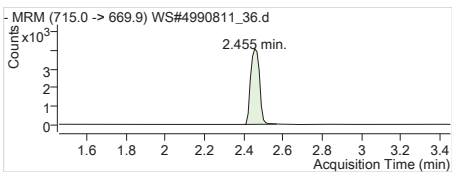


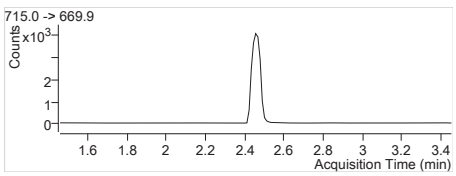
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 106.64 µg/Kg
Area ratio: 0.23053
Sample type: Sample



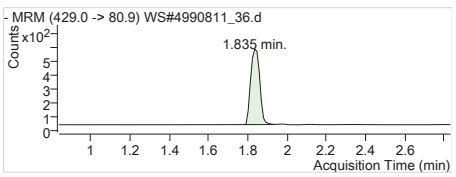


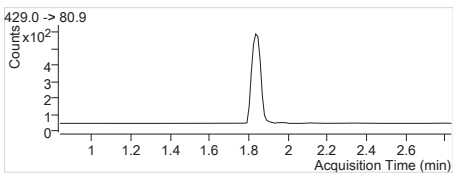
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 104.99 µg/Kg
Area ratio: 0.26026
Sample type: Sample



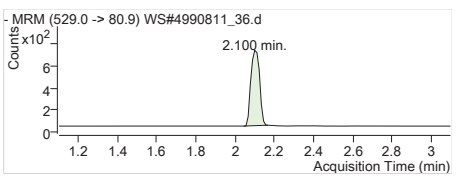


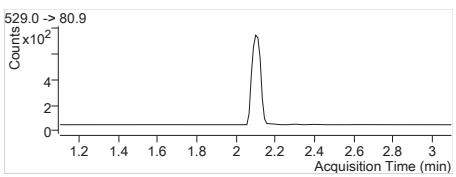
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 111.73 µg/Kg
Area ratio: 0.34039
Sample type: Sample



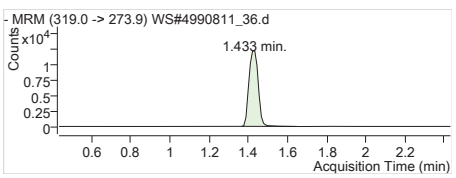


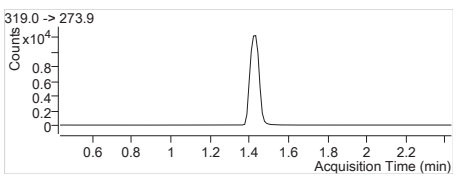
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 89.65 µg/Kg
Area ratio: 0.04377
Sample type: Sample



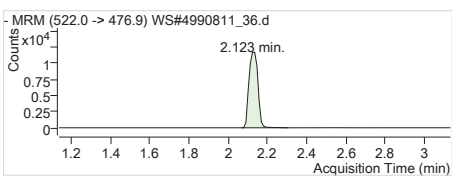


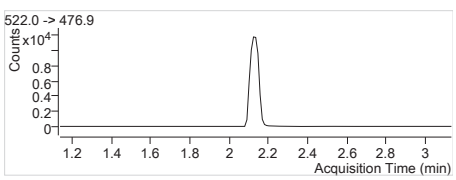
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 107.30 µg/Kg
Area ratio: 0.05403
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 1471.74 µg/Kg
Area ratio: 0
Sample type: Sample





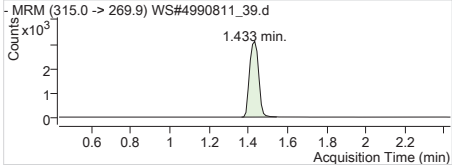
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 1517.70 µg/Kg
Area ratio: 0
Sample type: Sample

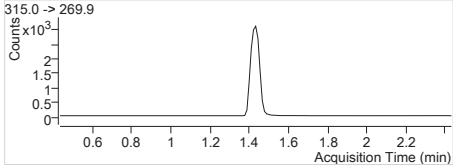
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI418-01**	**Instrument**	LCMS04
Data File	WS#4990811_39.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.034
Acq. Method	PFC_Soil.m	**Position**	P2-D4
Acq. Date	2017/05/24 11:24:01 PM	**Injection Volume**	Per Method
Sample Annotation	-		

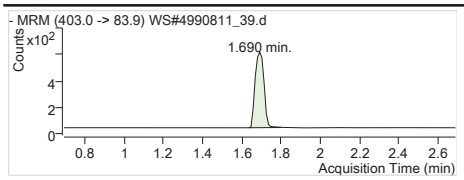
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9870	1.43	1 µg/Kg		
MPFHxS	1792	1.69	1 µg/Kg		
MPFHpA	11349	1.69	1 µg/Kg		
MPFOA	11048	1.87	1 µg/Kg		
MPFOS	2135	1.98	1 µg/Kg		
MPFNA	11006	2.01	1 µg/Kg		
MPFDA	8501	2.13	1 µg/Kg		
MPFUnA	9493	2.22	1 µg/Kg		
MPFDoA	9720	2.31	1 µg/Kg		
MPFTeDA	11487	2.46	1 µg/Kg		
M2 6:2 FTS	2562	1.83	1 µg/Kg		
M2 8:2 FTS	2477	2.10	1 µg/Kg		
13C6-PFHxA IS	41267	1.43	1 µg/Kg		
13C9-PFDA IS	38018	2.13	1 µg/Kg		

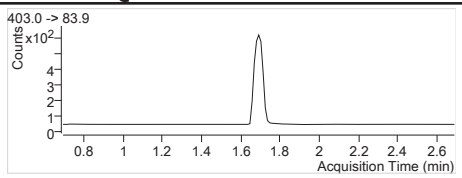
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	1656	1.43	-	0.40 µg/Kg	-
PFHxS 1	610	1.69	-	0.80 µg/Kg	-
PFHpA 1	1142	1.69	-	0.33 µg/Kg	-
PFOA 1	2241	1.87	-	0.46 µg/Kg	-
PFOS 1	7136	1.98	-	8.80 µg/Kg	-
PFNA 1	579	2.01	-	0.13 µg/Kg	-
PFDA 1	2323	2.12	-	0.44 µg/Kg	-
PFUnA 1	29248	2.22	-	6.51 µg/Kg	-
PFDoA 1	12101	2.31	-	2.75 µg/Kg	-
PFTrDA 1	6288	2.39	-	1.34 µg/Kg	-
PFTeDA 1	1269	2.46	-	0.26 µg/Kg	-
6:2-FTS 1	923	1.84	-	0.79 µg/Kg	-
8:2-FTS 1	6618	2.10	-	7.17 µg/Kg	-
13C2-PFHxA	9870	1.43	-	124.20 µg/Kg	-
18O2-PFHxS	1792	1.69	-	121.67 µg/Kg	-
13C4-PFHpA	11349	1.69	-	130.89 µg/Kg	-
13C4-PFOA	11048	1.87	-	132.09 µg/Kg	-
13C4-PFOS	2135	1.98	-	117.91 µg/Kg	-
13C5-PFNA	11006	2.01	-	130.19 µg/Kg	-
13C2-PFDA	8501	2.13	-	119.31 µg/Kg	-
13C2-PFUnA	9493	2.22	-	115.51 µg/Kg	-
13C2-PFDoA	9720	2.31	-	103.14 µg/Kg	-
13C2-PFTeDA	11487	2.46	-	99.18 µg/Kg	-
13C2-6:2-FTS	2562	1.83	-	127.16 µg/Kg	-
13C2-8:2 FTS	2477	2.10	-	119.20 µg/Kg	-
13C6-PFHxA	41267	1.43	-	105.77 µg/Kg	-
13C9-PFDA	38018	2.13	-	107.87 µg/Kg	-



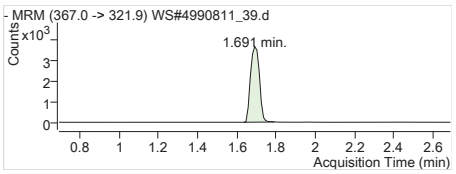


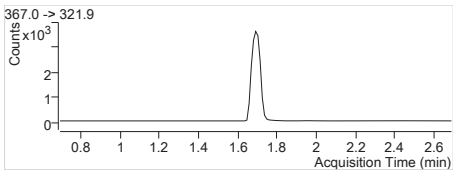
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



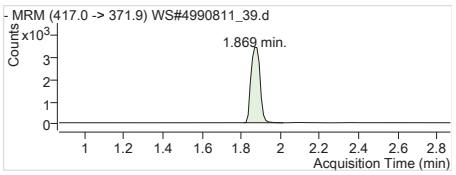


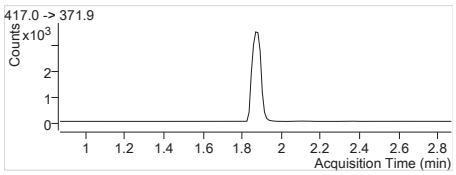
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



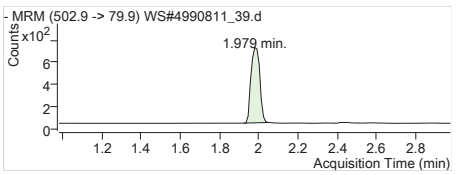


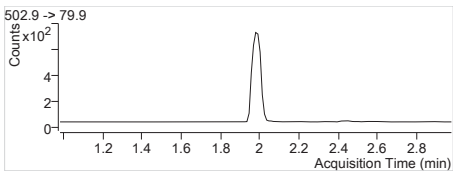
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



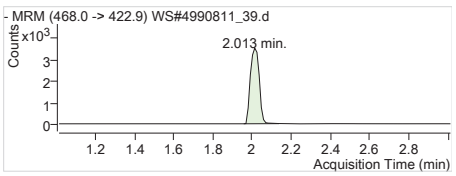


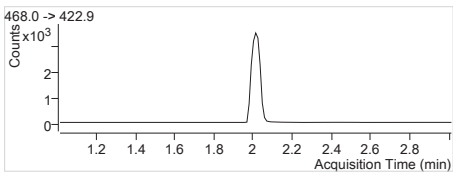
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



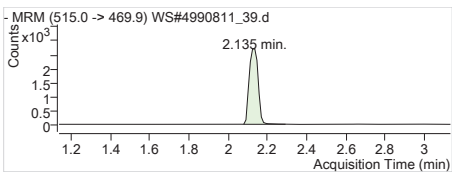


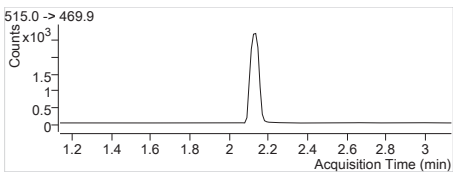
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



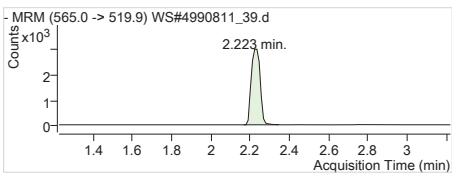


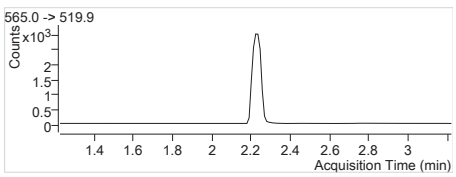
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



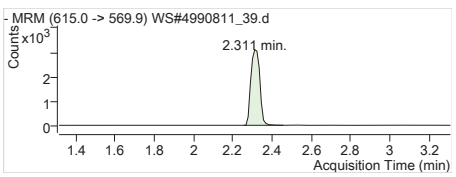


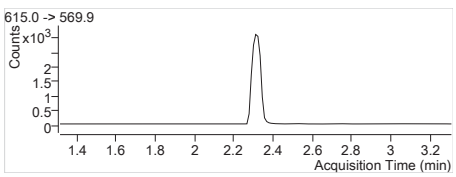
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



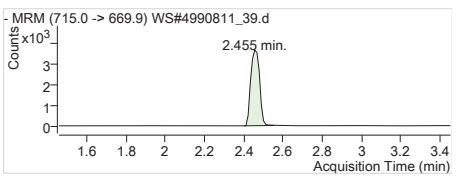


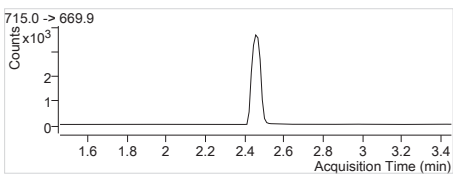
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



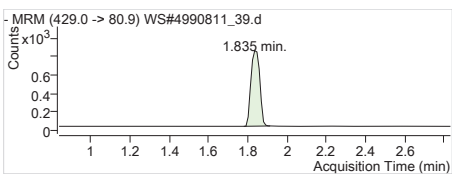


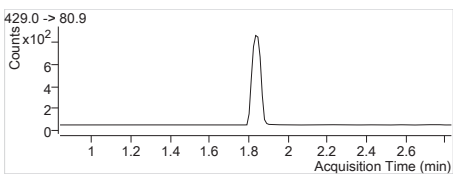
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



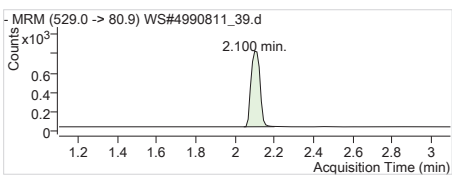


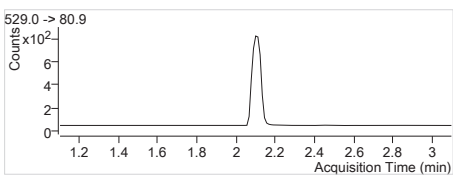
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



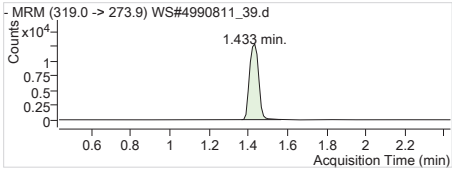


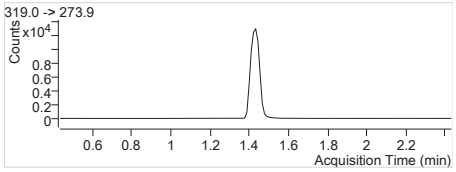
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



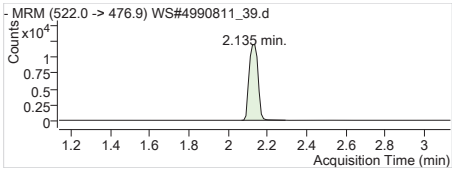


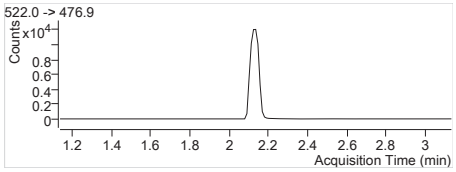
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



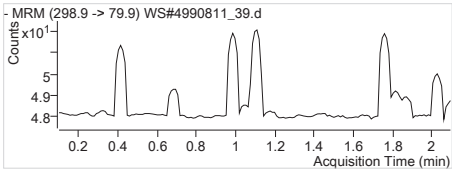


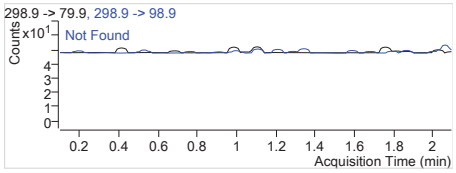
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



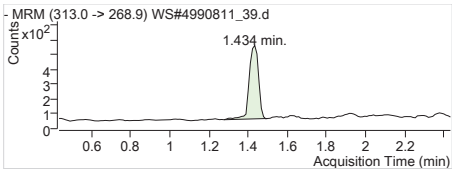


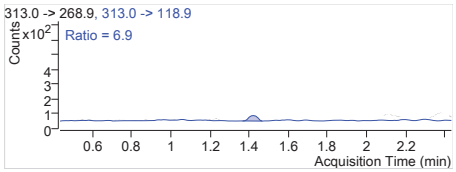
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



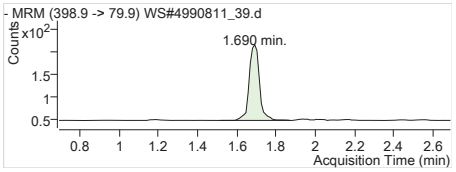


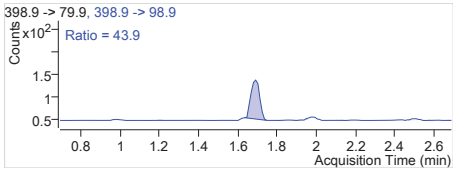
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



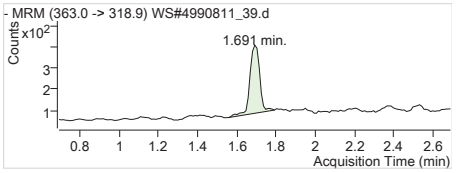


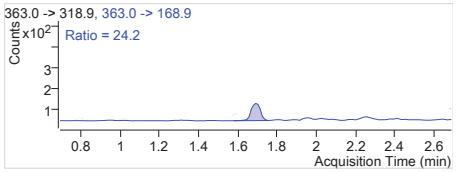
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 0.40 µg/Kg
Area ratio: 0.16778
Sample type: Sample



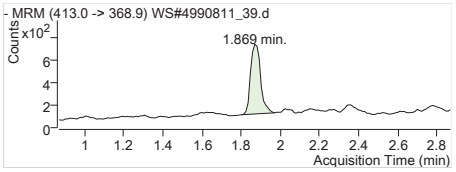


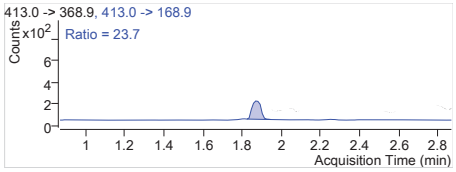
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 0.80 µg/Kg
Area ratio: 0.34040
Sample type: Sample



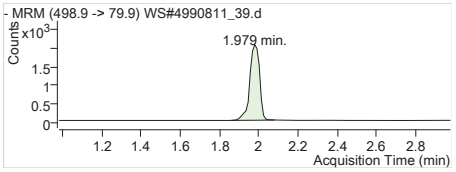


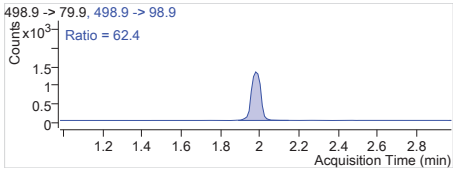
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 0.33 µg/Kg
Area ratio: 0.10063
Sample type: Sample



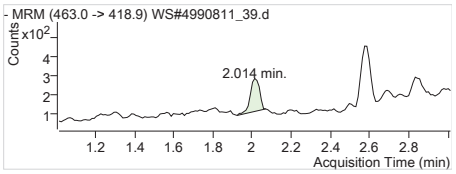


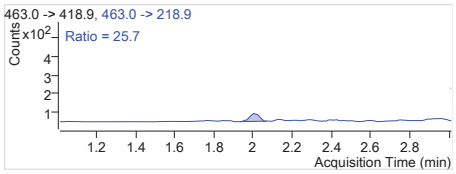
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.46 µg/Kg
Area ratio: 0.20284
Sample type: Sample



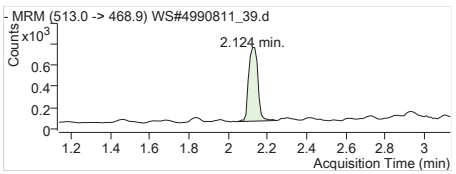


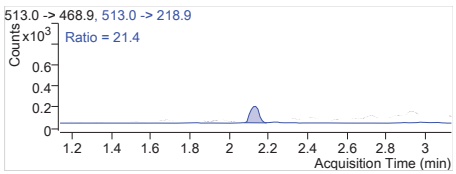
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 8.80 µg/Kg
Area ratio: 3.34239
Sample type: Sample



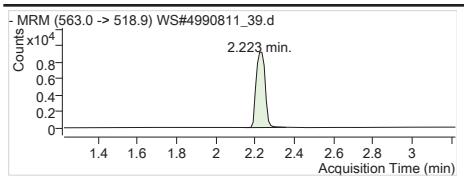


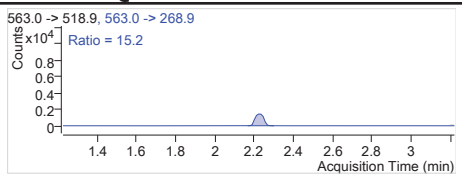
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.13 µg/Kg
Area ratio: 0.05261
Sample type: Sample



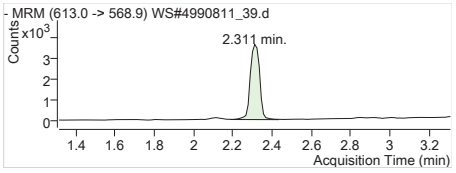


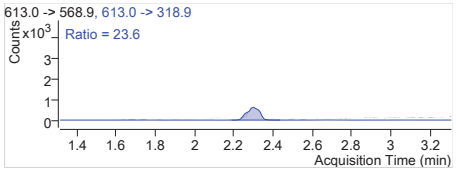
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 0.44 µg/Kg
Area ratio: 0.27326
Sample type: Sample



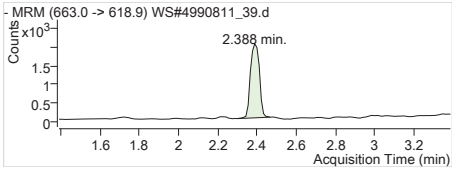


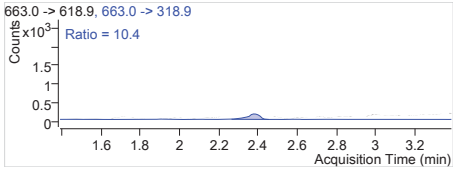
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 6.51 µg/Kg
Area ratio: 3.08101
Sample type: Sample



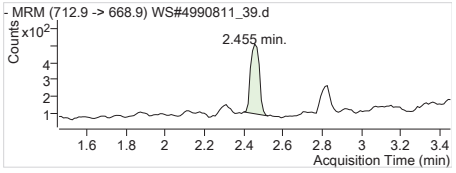


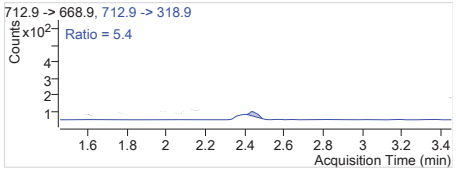
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 2.75 µg/Kg
Area ratio: 1.24496
Sample type: Sample



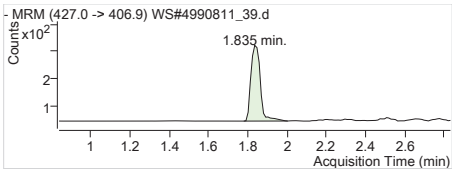


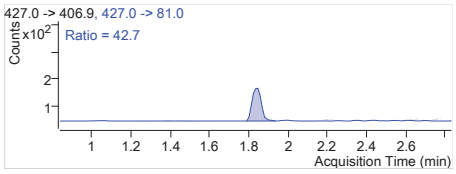
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 1.34 µg/Kg
Area ratio: 0.54740
Sample type: Sample



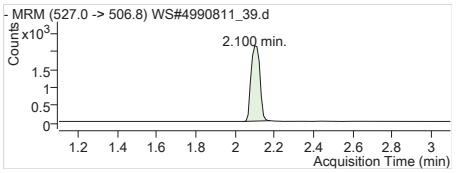


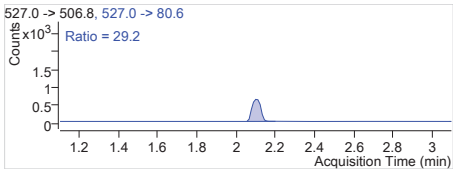
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 0.26 µg/Kg
Area ratio: 0.11047
Sample type: Sample



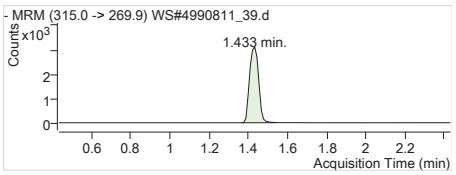


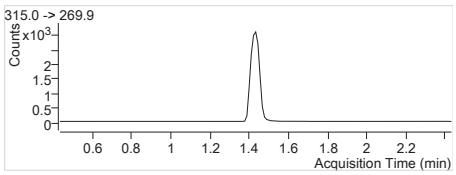
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 0.79 µg/Kg
Area ratio: 0.36027
Sample type: Sample



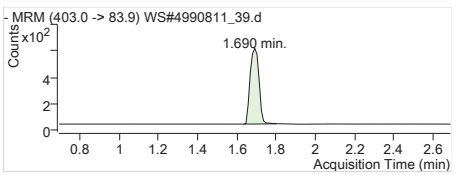


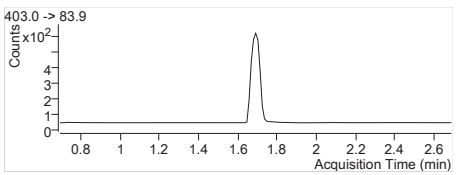
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 7.17 µg/Kg
Area ratio: 2.67178
Sample type: Sample



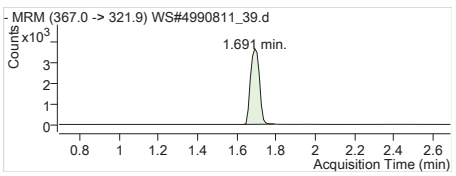


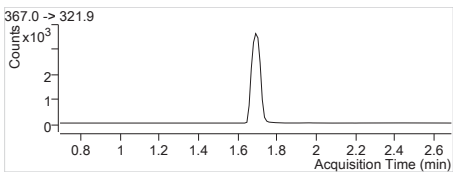
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 124.20 µg/Kg
Area ratio: 0.23917
Sample type: Sample



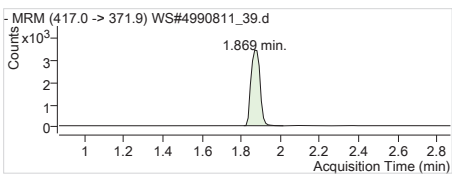


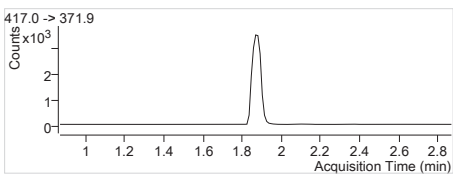
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 121.67 µg/Kg
Area ratio: 0.04342
Sample type: Sample



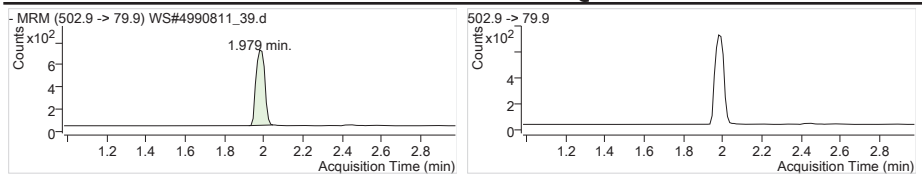


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 130.89 µg/Kg
Area ratio: 0.27501
Sample type: Sample

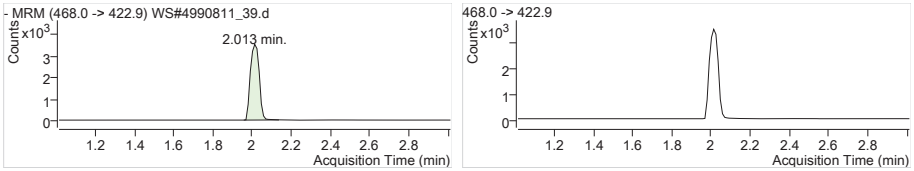




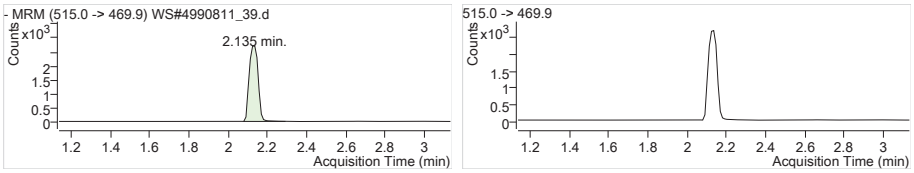
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 132.09 µg/Kg
Area ratio: 0.26772
Sample type: Sample



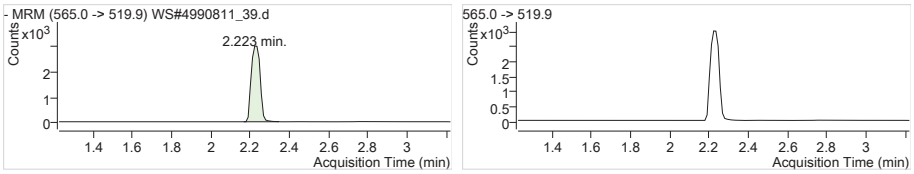
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 117.91 µg/Kg
Area ratio: 0.05174
Sample type: Sample



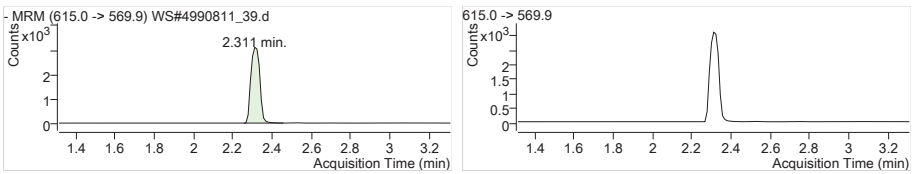
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 130.19 µg/Kg
Area ratio: 0.26670
Sample type: Sample



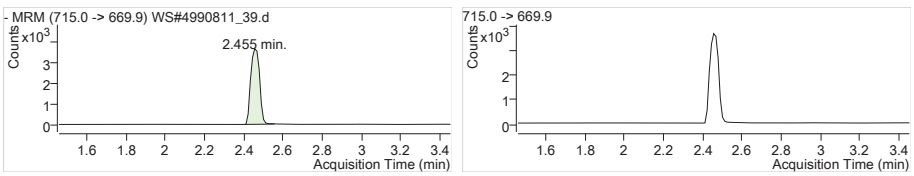
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 119.31 µg/Kg
Area ratio: 0.22360
Sample type: Sample



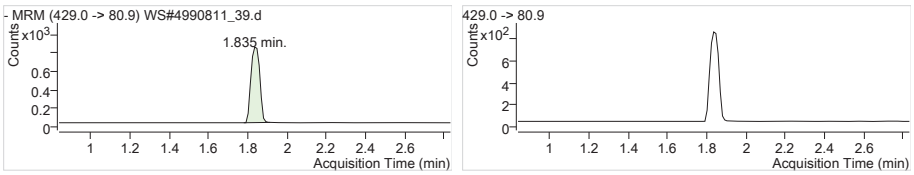
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 115.51 µg/Kg
Area ratio: 0.24970
Sample type: Sample



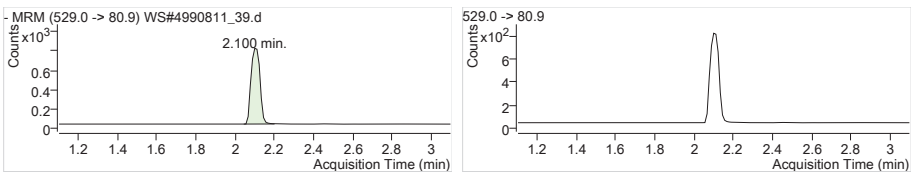
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 103.14 µg/Kg
Area ratio: 0.25567
Sample type: Sample



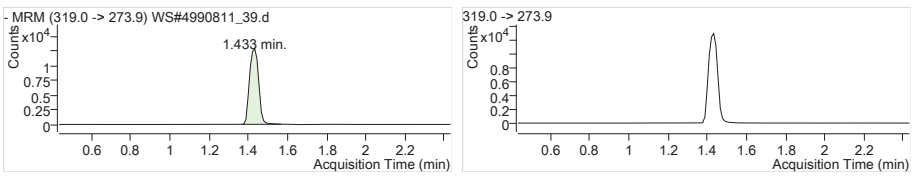
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 99.18 µg/Kg
Area ratio: 0.30215
Sample type: Sample



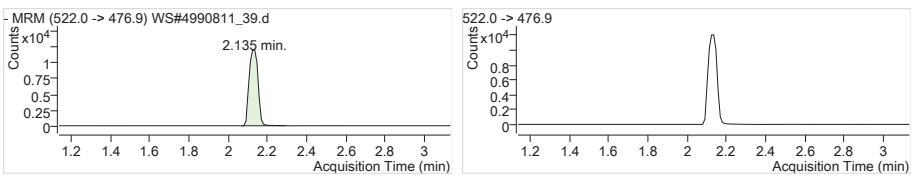
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 127.16 µg/Kg
Area ratio: 0.06208
Sample type: Sample



13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 119.20 µg/Kg
Area ratio: 0.06002
Sample type: Sample



13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 105.77 µg/Kg
Area ratio: 0
Sample type: Sample



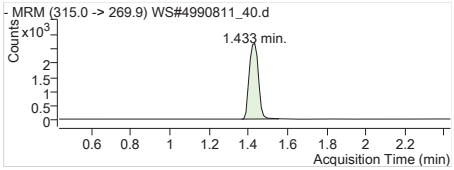
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 107.87 µg/Kg
Area ratio: 0
Sample type: Sample

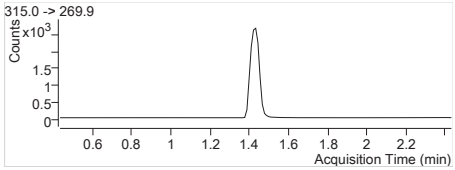
Batch Path T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI421-01**	**Instrument**	LCMS04
Data File	WS#4990811_40.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.277
Acq. Method	PFC_Soil.m	**Position**	P2-D5
Acq. Date	2017/05/24 11:28:55 PM	**Injection Volume**	Per Method
Sample Annotation	-		

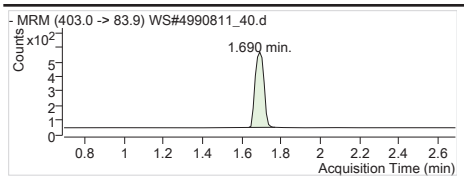
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8565	1.43	1 µg/Kg		
MPFHxS	1616	1.69	1 µg/Kg		
MPFHpA	8992	1.69	1 µg/Kg		
MPFOA	8983	1.87	1 µg/Kg		
MPFOS	1771	1.98	1 µg/Kg		
MPFNA	8589	2.01	1 µg/Kg		
MPFDA	7290	2.13	1 µg/Kg		
MPFUnA	7618	2.22	1 µg/Kg		
MPFDoA	8888	2.31	1 µg/Kg		
MPFTeDA	9920	2.46	1 µg/Kg		
M2 6:2 FTS	2278	1.83	1 µg/Kg		
M2 8:2 FTS	2298	2.10	1 µg/Kg		
13C6-PFHxA IS	37622	1.43	1 µg/Kg		
13C9-PFDA IS	34080	2.13	1 µg/Kg		

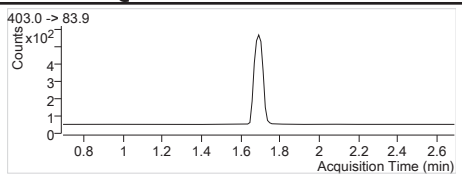
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	375	1.10	-	0.60 µg/Kg	-
PFHxA 1	4226	1.43	-	1.38 µg/Kg	-
PFHxS 1	11200	1.69	-	17.18 µg/Kg	-
PFHpA 1	2027	1.69	-	0.73 µg/Kg	-
PFOA 1	1499	1.87	-	0.48 µg/Kg	-
PFOS 1	414	1.98	-	0.76 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	3067	1.84	-	3.88 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8565	1.43	-	118.22 µg/Kg	-
18O2-PFHxS	1616	1.69	-	120.35 µg/Kg	-
13C4-PFHpA	8992	1.69	-	113.76 µg/Kg	-
13C4-PFOA	8983	1.87	-	117.81 µg/Kg	-
13C4-PFOS	1771	1.98	-	107.29 µg/Kg	-
13C5-PFNA	8589	2.01	-	111.45 µg/Kg	-
13C2-PFDA	7290	2.13	-	114.13 µg/Kg	-
13C2-PFUnA	7618	2.22	-	103.40 µg/Kg	-
13C2-PFDoA	8888	2.31	-	105.21 µg/Kg	-
13C2-PFTeDA	9920	2.46	-	95.54 µg/Kg	-
13C2-6:2-FTS	2278	1.83	-	124.02 µg/Kg	-
13C2-8:2 FTS	2298	2.10	-	121.30 µg/Kg	-
13C6-PFHxA	37622	1.43	-	119.09 µg/Kg	-
13C9-PFDA	34080	2.13	-	119.42 µg/Kg	-



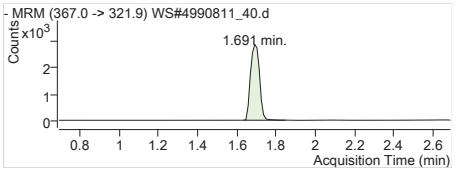


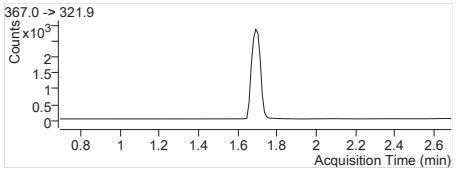
MPFHxA Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



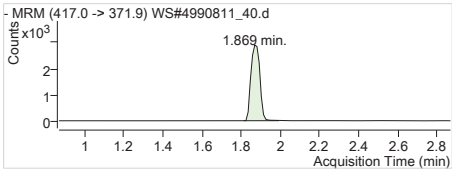


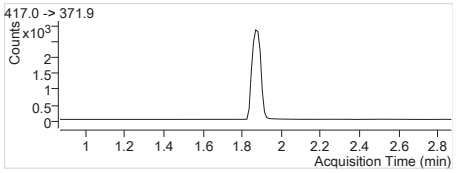
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



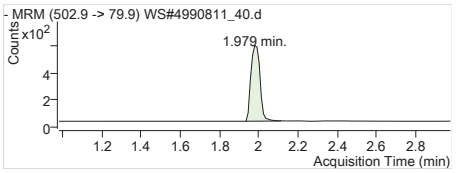


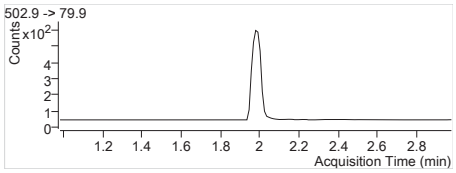
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



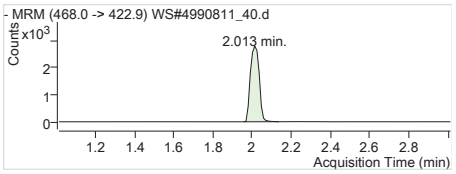


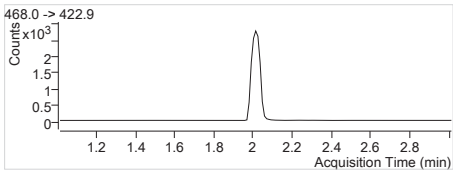
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



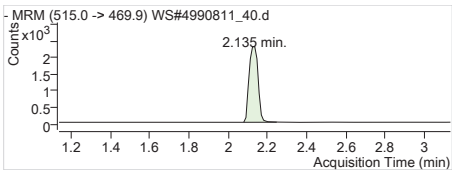


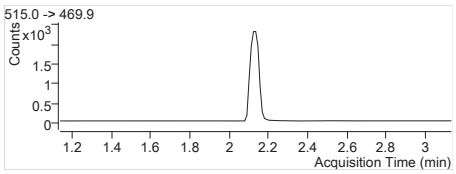
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



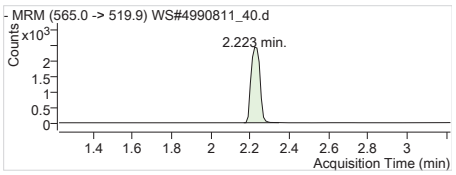


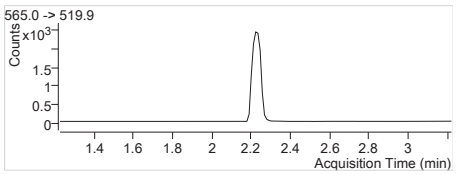
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



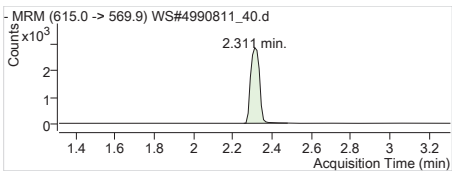


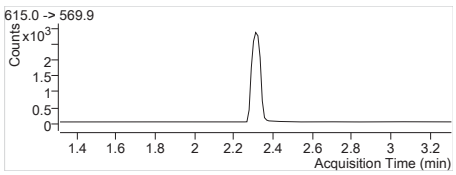
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



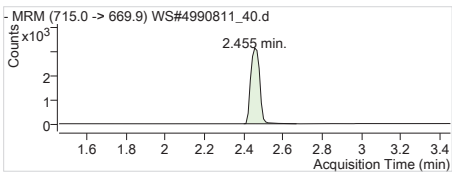


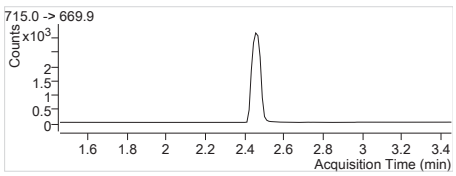
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



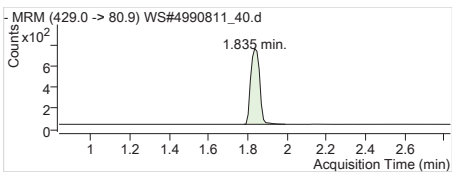


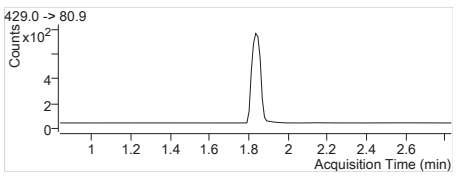
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



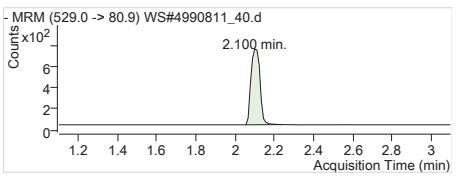


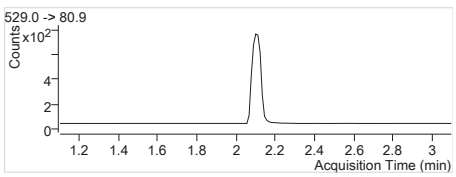
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



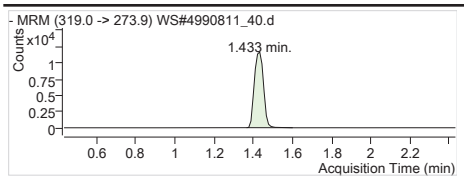


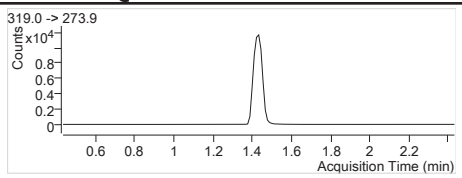
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



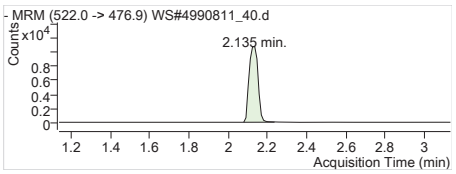


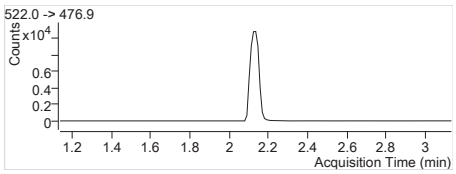
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



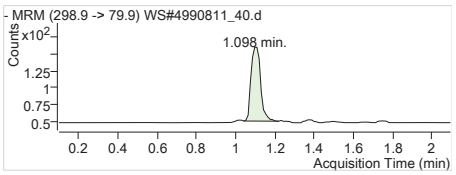


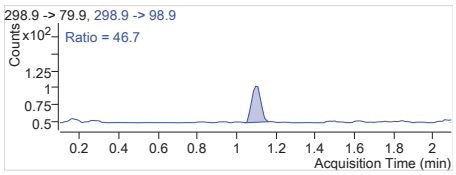
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



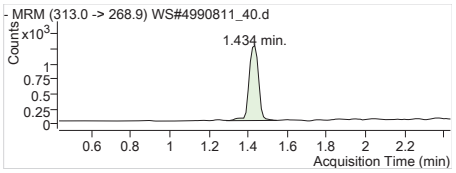


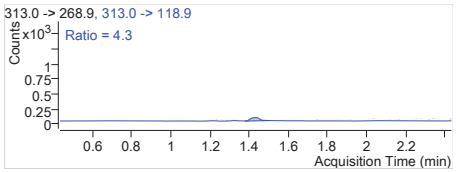
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



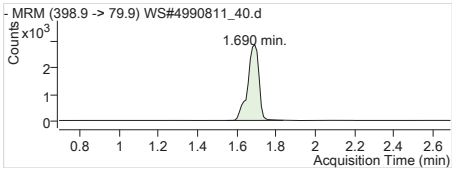


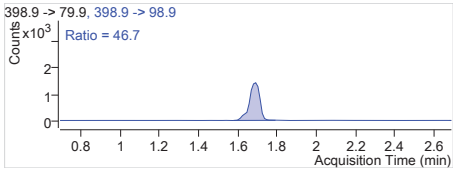
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 0.60 µg/Kg
Area ratio: 0.23205
Sample type: Sample



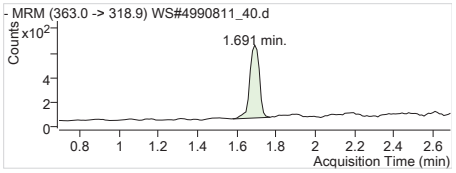


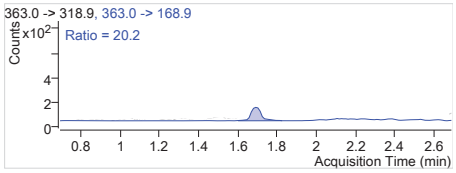
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 1.38 µg/Kg
Area ratio: 0.49340
Sample type: Sample



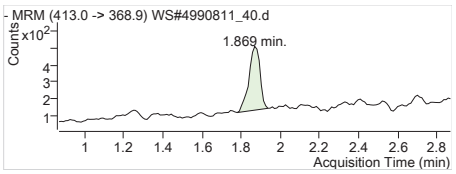


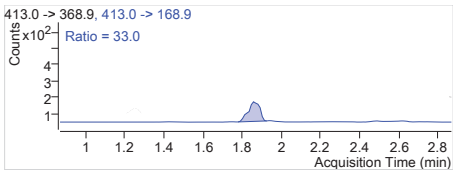
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 17.18 µg/Kg
Area ratio: 6.93069
Sample type: Sample



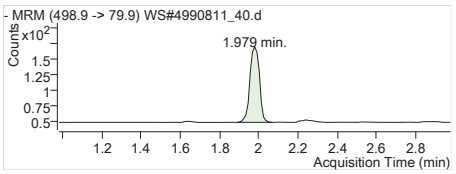


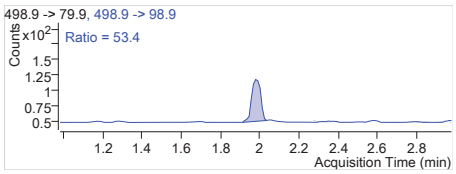
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 0.73 µg/Kg
Area ratio: 0.22542
Sample type: Sample



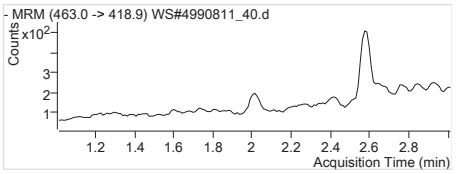


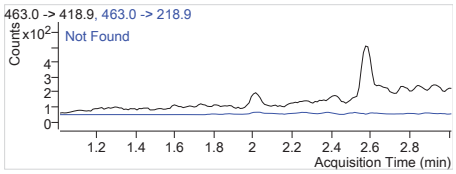
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.48 µg/Kg
Area ratio: 0.16687
Sample type: Sample



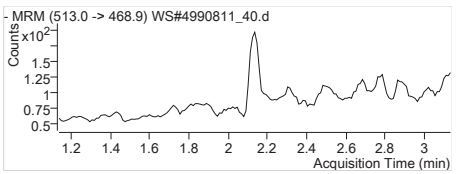


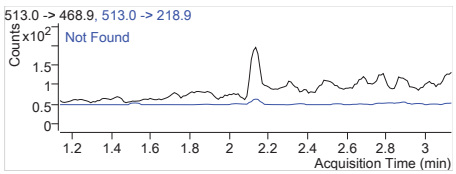
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 0.76 µg/Kg
Area ratio: 0.23377
Sample type: Sample



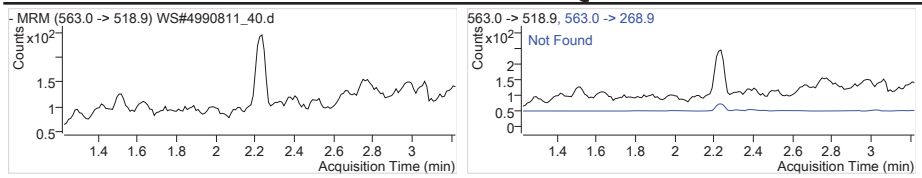


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

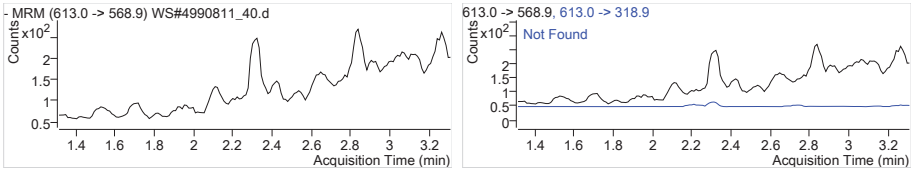




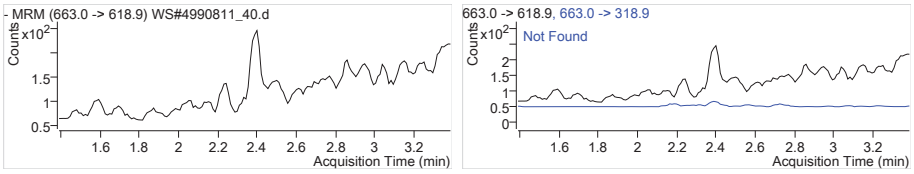
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



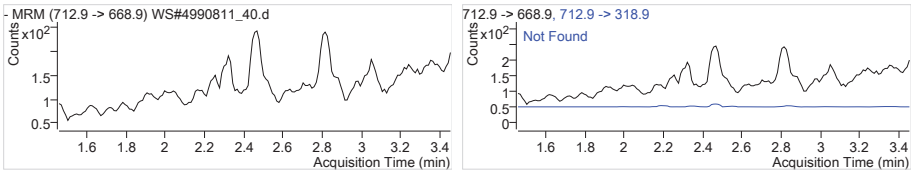
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



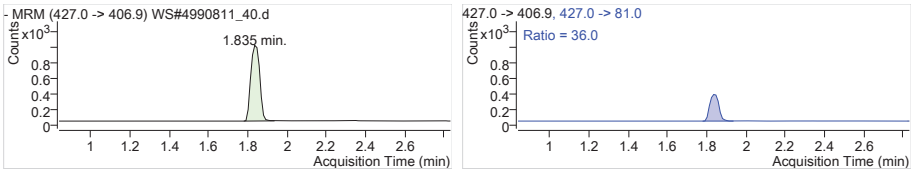
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



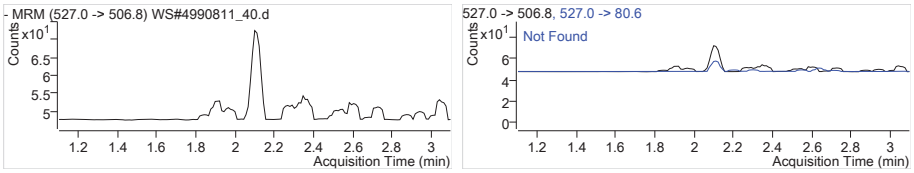
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



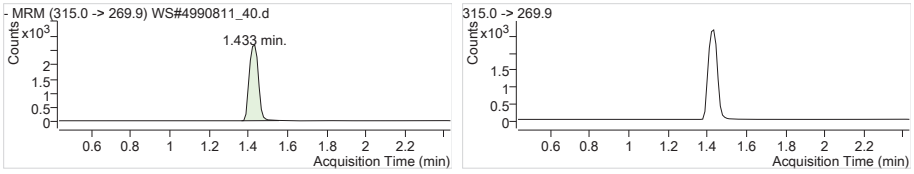
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



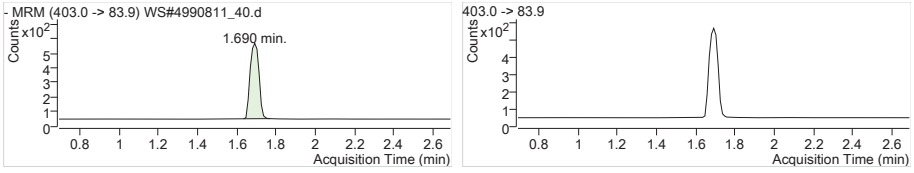
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 3.88 µg/Kg
Area ratio: 1.34636
Sample type: Sample



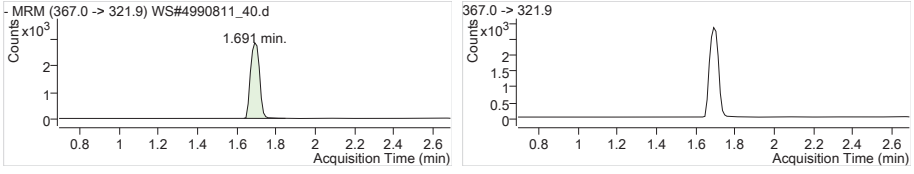
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



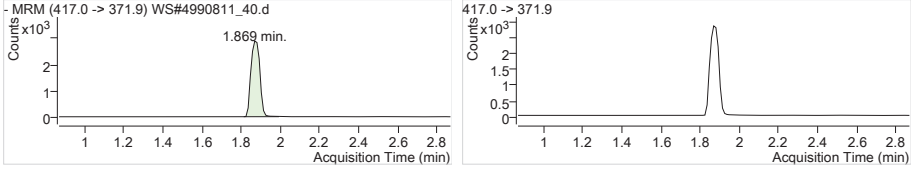
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 118.22 µg/Kg
Area ratio: 0.22766
Sample type: Sample



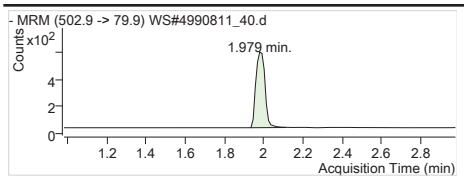
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 120.35 µg/Kg
Area ratio: 0.04295
Sample type: Sample

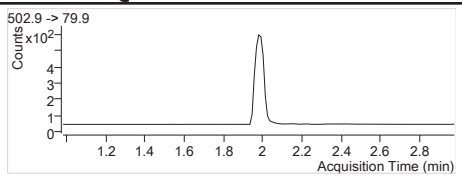


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 113.76 µg/Kg
Area ratio: 0.23901
Sample type: Sample

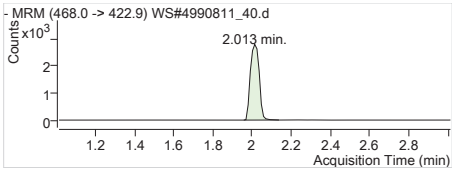


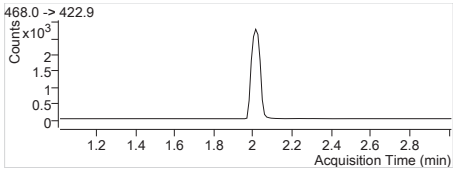
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 117.81 µg/Kg
Area ratio: 0.23877
Sample type: Sample



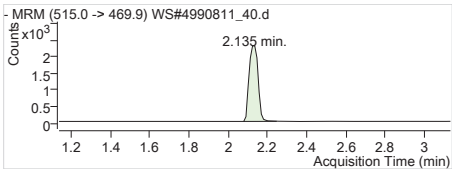


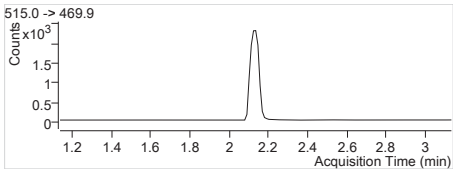
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 107.29 µg/Kg
Area ratio: 0.04707
Sample type: Sample



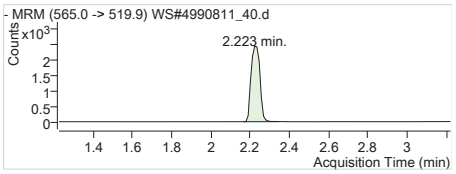


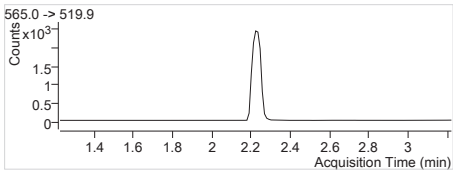
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 111.45 µg/Kg
Area ratio: 0.22830
Sample type: Sample



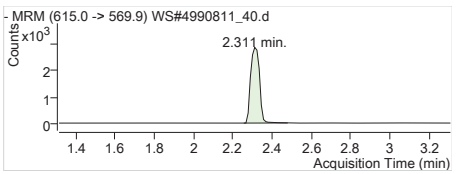


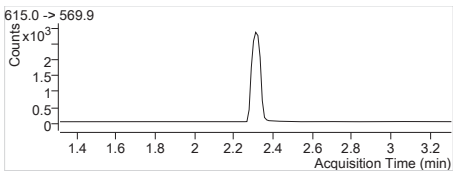
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 114.13 µg/Kg
Area ratio: 0.21391
Sample type: Sample



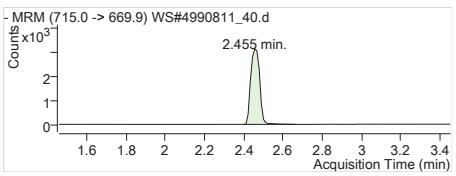


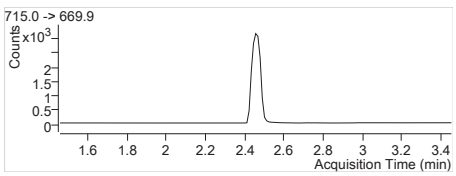
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 103.40 µg/Kg
Area ratio: 0.22353
Sample type: Sample



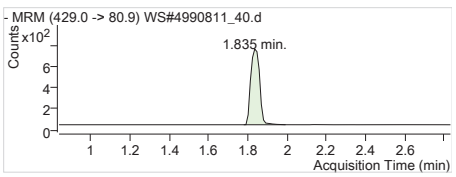


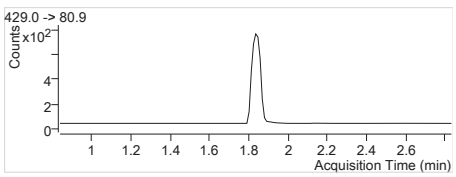
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 105.21 µg/Kg
Area ratio: 0.26080
Sample type: Sample



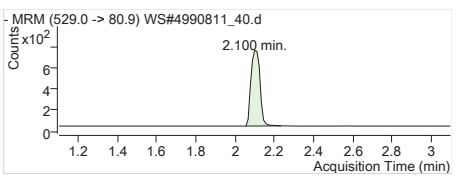


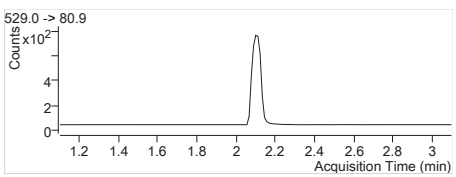
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 95.54 µg/Kg
Area ratio: 0.29108
Sample type: Sample



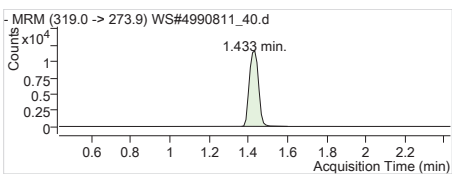


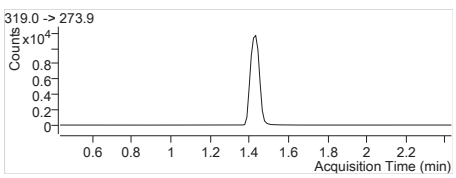
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 124.02 µg/Kg
Area ratio: 0.06055
Sample type: Sample



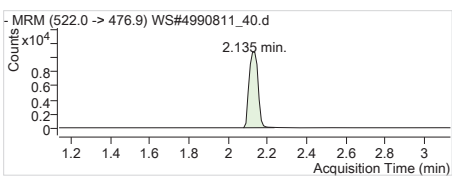


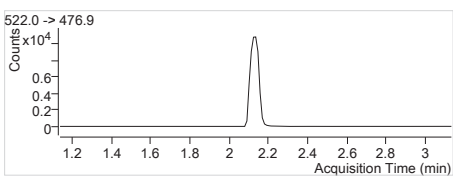
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 121.30 µg/Kg
Area ratio: 0.06108
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 119.09 µg/Kg
Area ratio: 0
Sample type: Sample





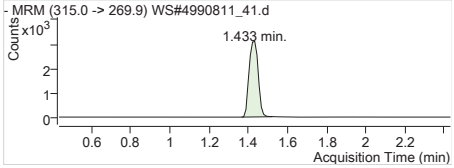
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 119.42 µg/Kg
Area ratio: 0
Sample type: Sample

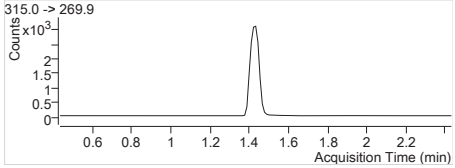
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI423-01**	**Instrument**	LCMS04
Data File	WS#4990811_41.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.424
Acq. Method	PFC_Soil.m	**Position**	P2-D6
Acq. Date	2017/05/24 11:33:49 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjected to confirm result		

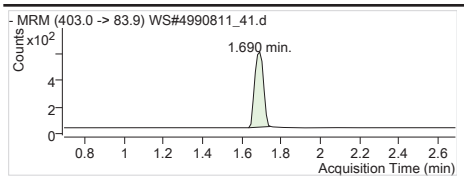
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9908	1.43	1 µg/Kg		
MPFHxS	1763	1.69	1 µg/Kg		
MPFHpA	12260	1.69	1 µg/Kg		
MPFOA	10453	1.87	1 µg/Kg		
MPFOS	1965	1.98	1 µg/Kg		
MPFNA	10222	2.01	1 µg/Kg		
MPFDA	8789	2.13	1 µg/Kg		
MPFUnA	9207	2.22	1 µg/Kg		
MPFDoA	9848	2.31	1 µg/Kg		
MPFTeDA	13779	2.46	1 µg/Kg		
M2 6:2 FTS	2375	1.83	1 µg/Kg		
M2 8:2 FTS	2563	2.10	1 µg/Kg		
13C6-PFHxA IS	41769	1.43	1 µg/Kg		
13C9-PFDA IS	36870	2.13	1 µg/Kg		

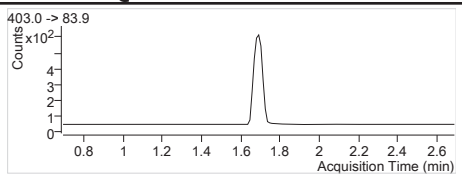
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	643	1.11	-	0.96 µg/Kg	-
PFHxA 1	7969	1.43	-	2.49 µg/Kg	-
PFHxS 1	4407	1.69	-	7.02 µg/Kg	-
PFHpA 1	1086	1.69	-	0.42 µg/Kg	-
PFOA 1	3526	1.87	-	1.04 µg/Kg	-
PFOS 1	41544	1.98	-	76.70 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1	901	2.14	-	0.15 µg/Kg	-
PFUnA 1	900	2.23	-	0.38 µg/Kg	-
PFDoA 1	1905	2.32	-	0.43 µg/Kg	-
PFTrDA 1	1284	2.39	-	0.29 µg/Kg	-
PFTeDA 1	1158	2.46	-	0.26 µg/Kg	-
6:2-FTS 1	8084	1.84	-	11.09 µg/Kg	-
8:2-FTS 1	3613	2.10	-	5.19 µg/Kg	-
13C2-PFHxA	9908	1.43	-	123.18 µg/Kg	-
18O2-PFHxS	1763	1.69	-	118.26 µg/Kg	-
13C4-PFHpA	12260	1.69	-	139.70 µg/Kg	-
13C4-PFOA	10453	1.87	-	123.48 µg/Kg	-
13C4-PFOS	1965	1.98	-	107.22 µg/Kg	-
13C5-PFNA	10222	2.01	-	119.47 µg/Kg	-
13C2-PFDA	8789	2.13	-	127.19 µg/Kg	-
13C2-PFUnA	9207	2.22	-	115.51 µg/Kg	-
13C2-PFDoA	9848	2.31	-	107.75 µg/Kg	-
13C2-PFTeDA	13779	2.46	-	122.67 µg/Kg	-
13C2-6:2-FTS	2375	1.83	-	116.46 µg/Kg	-
13C2-8:2 FTS	2563	2.10	-	121.86 µg/Kg	-
13C6-PFHxA	41769	1.43	-	147.44 µg/Kg	-
13C9-PFDA	36870	2.13	-	144.07 µg/Kg	-



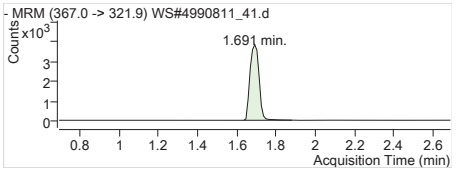


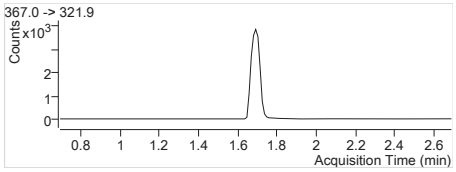
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



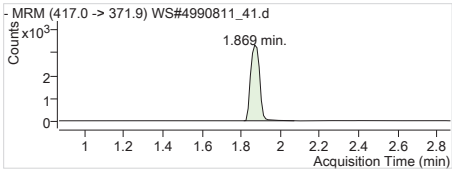


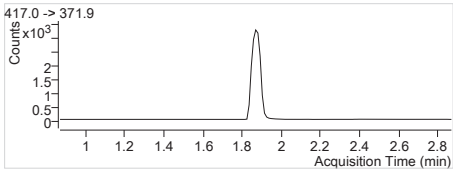
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



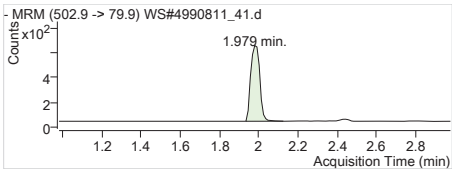


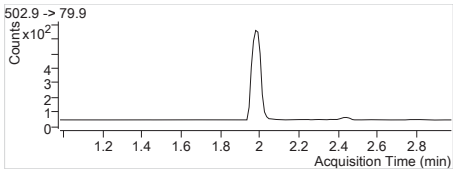
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



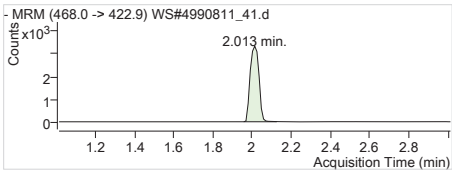


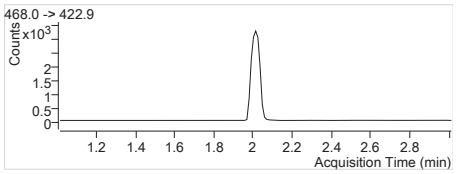
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



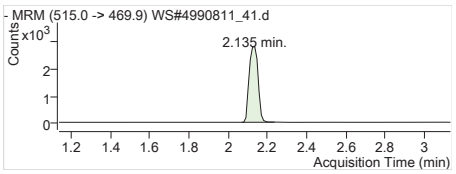


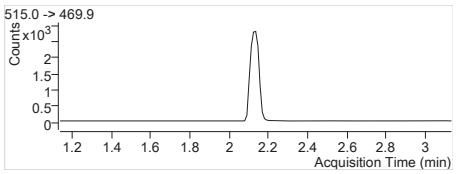
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



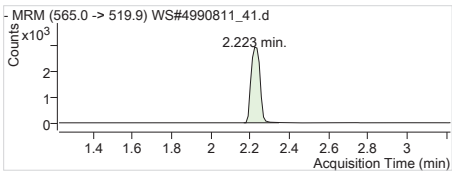


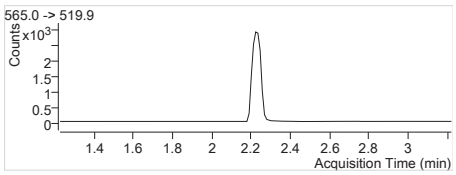
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



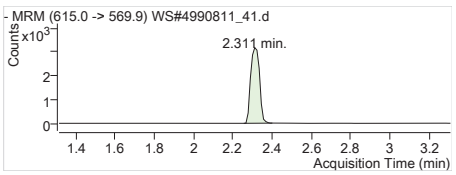


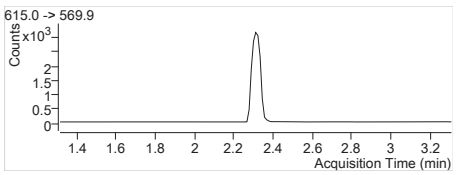
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



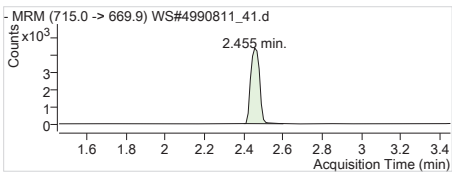


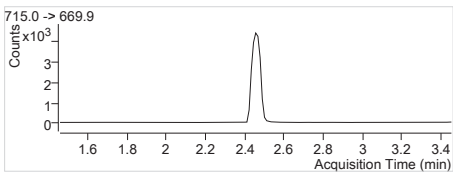
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



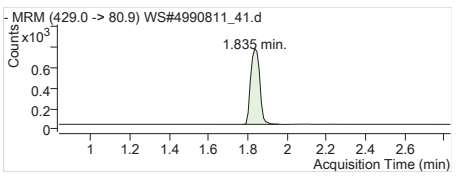


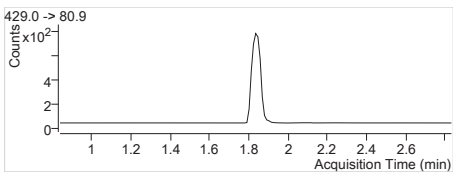
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



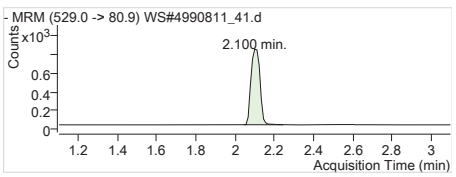


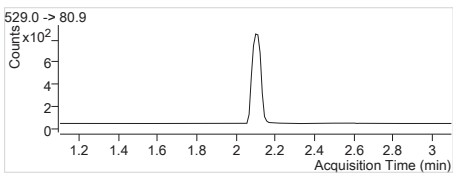
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



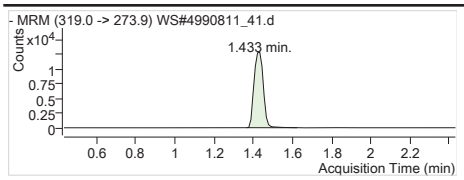


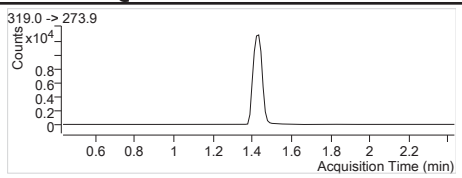
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



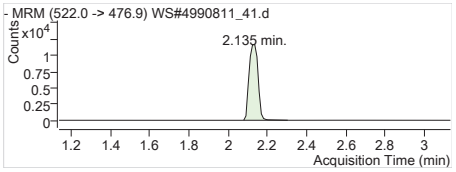


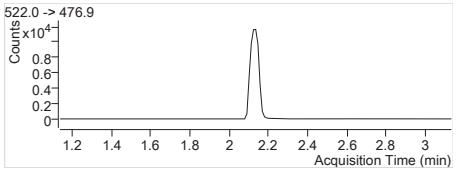
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



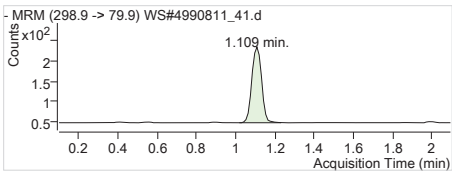


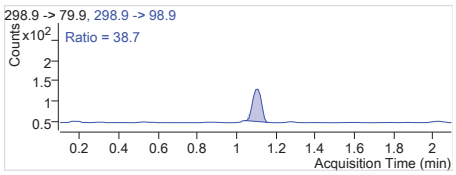
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



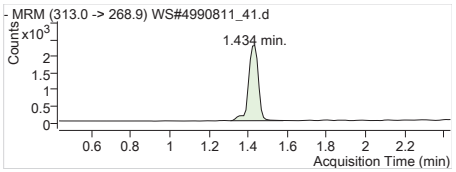


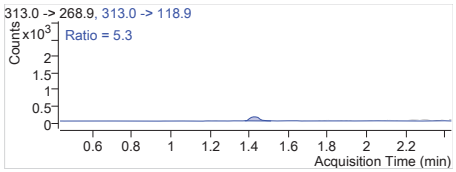
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



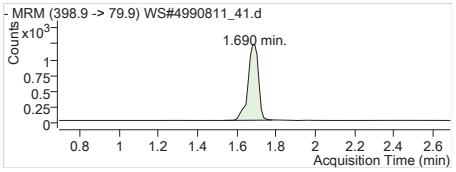


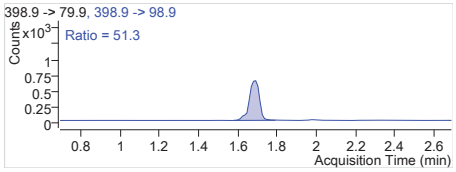
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.109 (1.098)
Calc. conc. 0.96 µg/Kg
Area ratio: 0.36472
Sample type: Sample



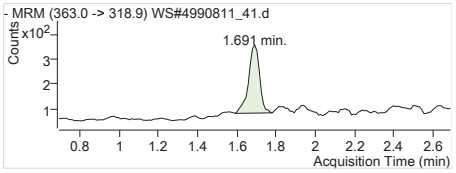


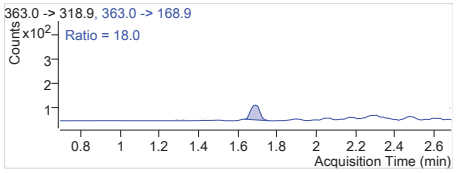
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 2.49 µg/Kg
Area ratio: 0.80430
Sample type: Sample



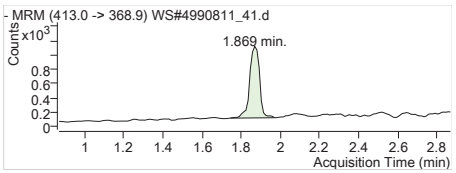


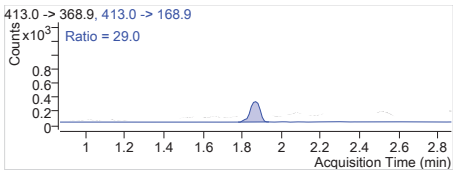
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 7.02 µg/Kg
Area ratio: 2.49972
Sample type: Sample



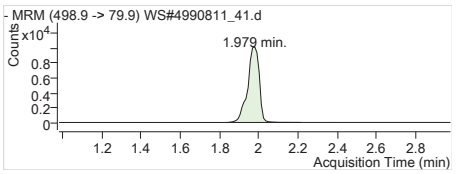


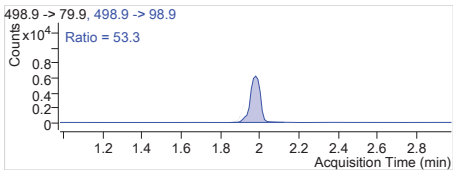
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 0.42 µg/Kg
Area ratio: 0.08858
Sample type: Sample



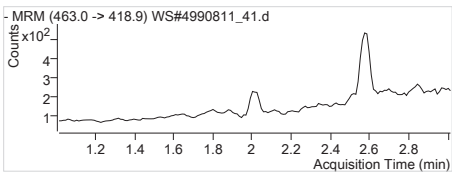


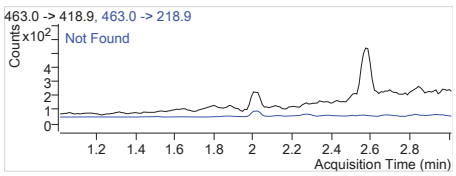
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 1.04 µg/Kg
Area ratio: 0.33732
Sample type: Sample



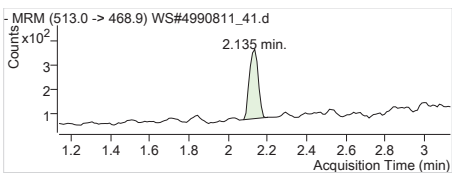


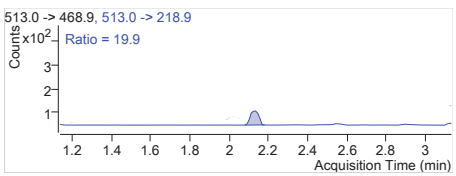
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 76.70 µg/Kg
Area ratio: 21.14198
Sample type: Sample



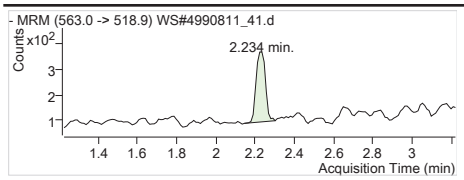


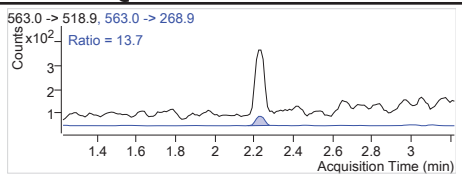
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



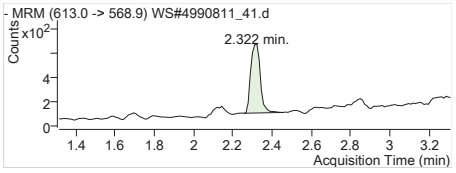


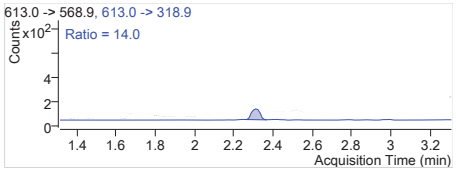
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 0.15 µg/Kg
Area ratio: 0.10251
Sample type: Sample



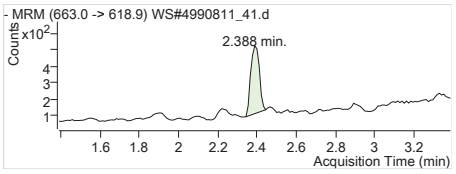


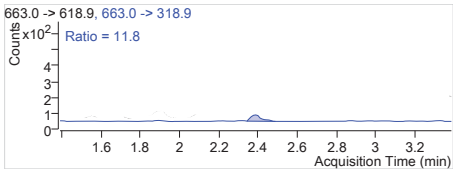
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.234 (2.223)
Calc. conc. 0.38 µg/Kg
Area ratio: 0.09775
Sample type: Sample



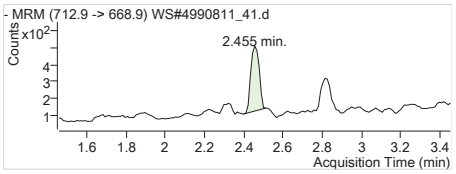


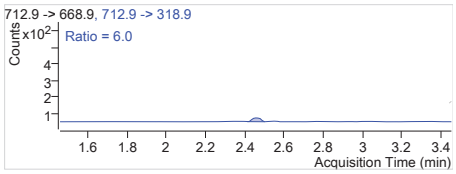
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.322 (2.311)
Calc. conc. 0.43 µg/Kg
Area ratio: 0.19344
Sample type: Sample



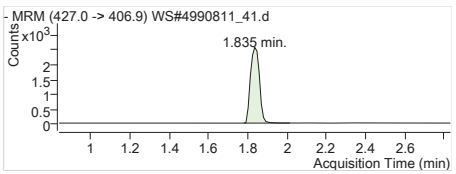


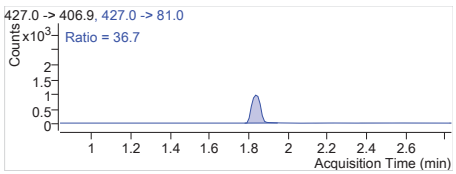
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 0.29 µg/Kg
Area ratio: 0.09319
Sample type: Sample



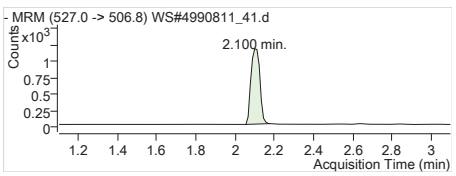


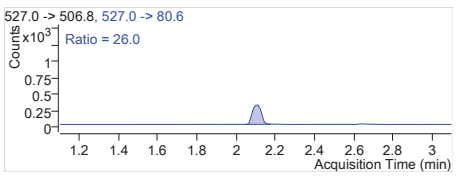
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 0.26 µg/Kg
Area ratio: 0.08404
Sample type: Sample



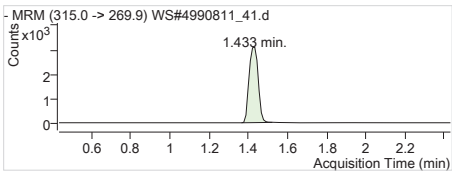


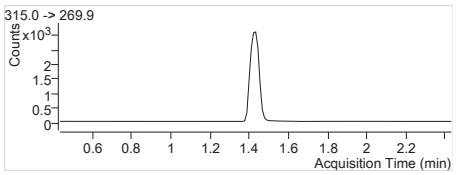
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 11.09 µg/Kg
Area ratio: 3.40379
Sample type: Sample



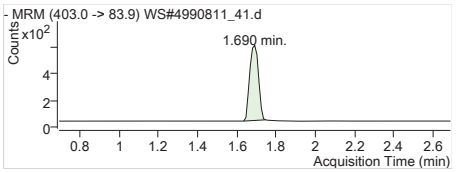


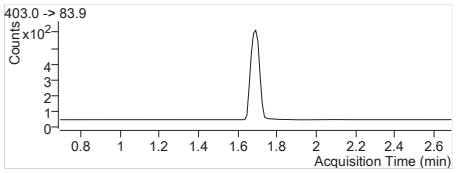
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 5.19 µg/Kg
Area ratio: 1.40968
Sample type: Sample



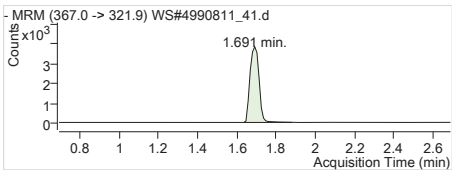


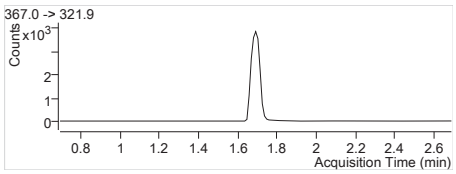
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 123.18 µg/Kg
Area ratio: 0.23721
Sample type: Sample



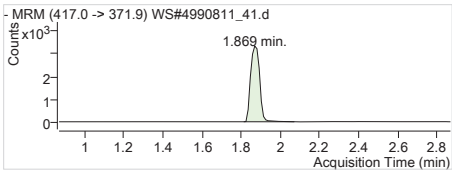


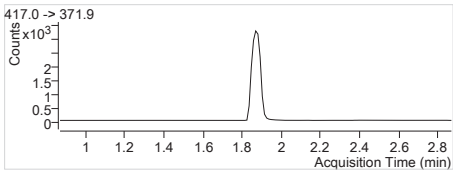
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 118.26 µg/Kg
Area ratio: 0.04221
Sample type: Sample



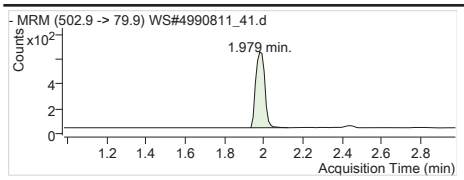


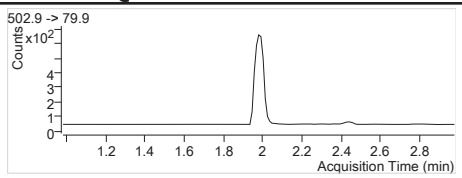
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 139.70 µg/Kg
Area ratio: 0.29352
Sample type: Sample



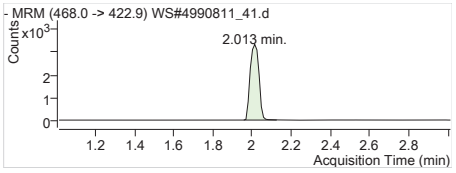


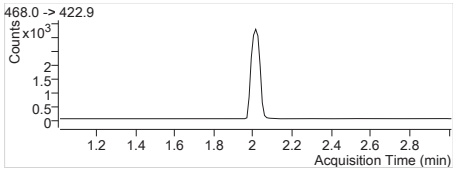
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 123.48 µg/Kg
Area ratio: 0.25026
Sample type: Sample



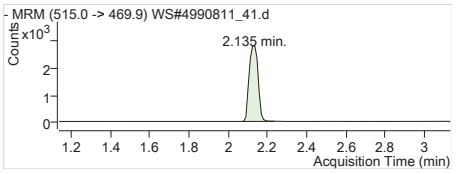


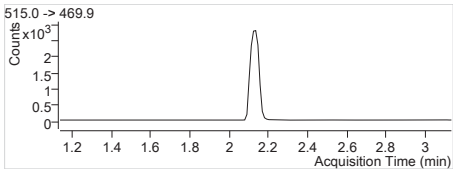
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	107.22 µg/Kg
Area ratio:	0.04704
Sample type:	Sample



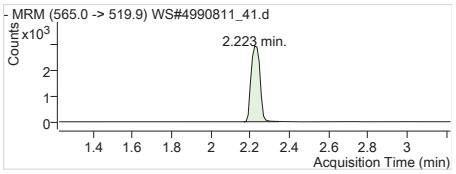


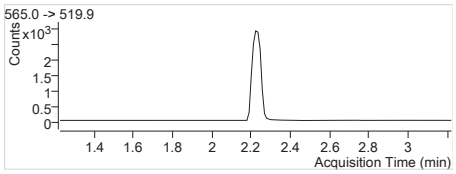
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	119.47 µg/Kg
Area ratio:	0.24473
Sample type:	Sample



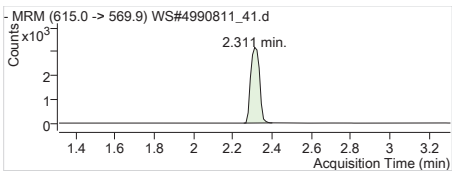


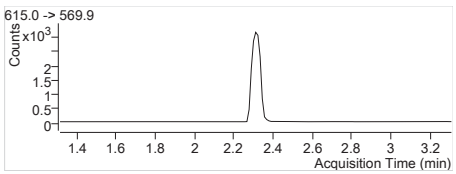
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.135 (2.135)
Calc. conc.	127.19 µg/Kg
Area ratio:	0.23838
Sample type:	Sample



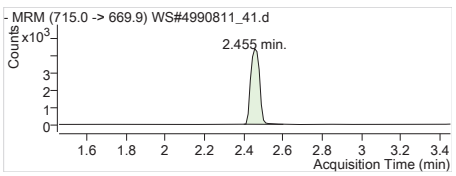


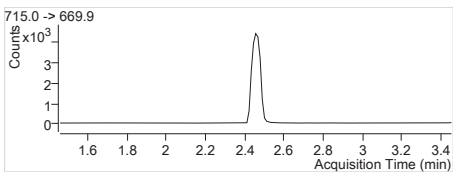
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	115.51 µg/Kg
Area ratio:	0.24972
Sample type:	Sample



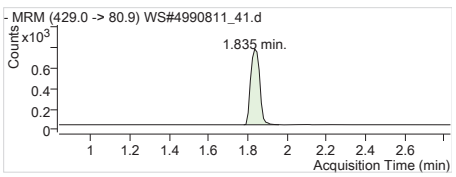


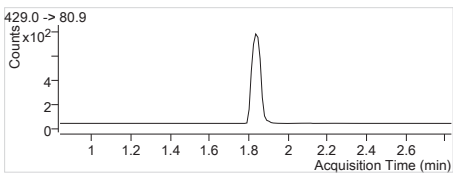
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	107.75 µg/Kg
Area ratio:	0.26710
Sample type:	Sample



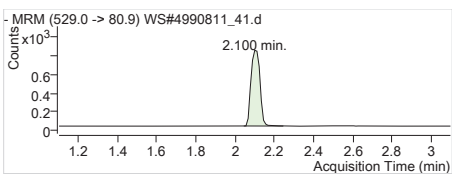


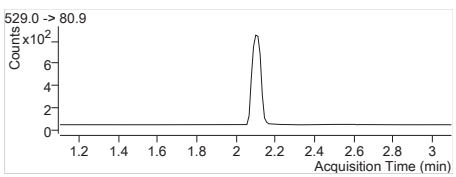
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	122.67 µg/Kg
Area ratio:	0.37372
Sample type:	Sample



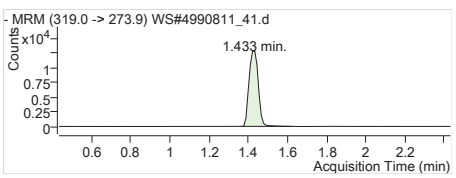


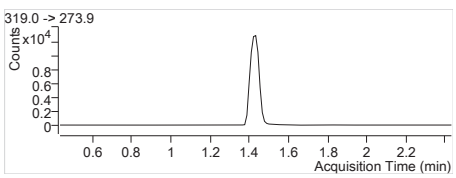
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	116.46 µg/Kg
Area ratio:	0.05686
Sample type:	Sample



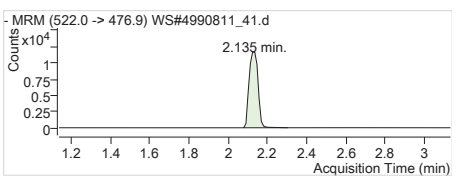


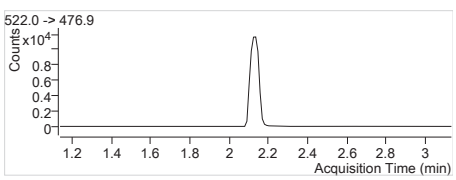
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	121.86 µg/Kg
Area ratio:	0.06136
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	147.44 µg/Kg
Area ratio:	0
Sample type:	Sample





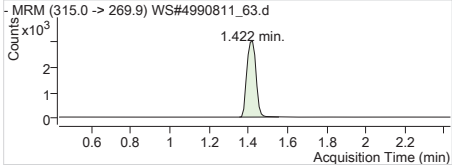
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.135 (2.134)
Calc. conc.	144.07 µg/Kg
Area ratio:	0
Sample type:	Sample

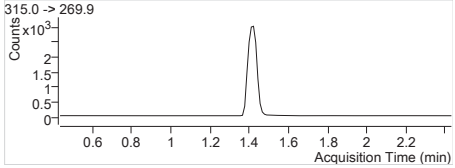
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI423-01**	**Instrument**	LCMS04
Data File	WS#4990811_63.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.424
Acq. Method	PFC_Soil.m	**Position**	P2-D6
Acq. Date	2017/05/25 2:51:01 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjection Reported for all except PFOS.		

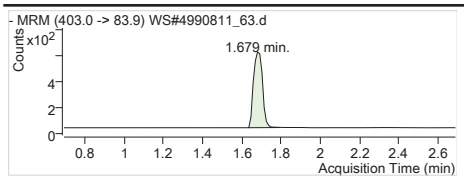
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9714	1.42	1 µg/Kg		
MPFHxS	1851	1.68	1 µg/Kg		
MPFHpA	10898	1.68	1 µg/Kg		
MPFOA	10929	1.87	1 µg/Kg		
MPFOS	2086	1.98	1 µg/Kg		
MPFNA	10017	2.00	1 µg/Kg		
MPFDA	8590	2.12	1 µg/Kg		
MPFUnA	9534	2.22	1 µg/Kg		
MPFDoA	10046	2.31	1 µg/Kg		
MPFTeDA	13636	2.46	1 µg/Kg		
M2 6:2 FTS	2456	1.83	1 µg/Kg		
M2 8:2 FTS	2417	2.10	1 µg/Kg		
13C6-PFHxA IS	40824	1.42	1 µg/Kg		
13C9-PFDA IS	37340	2.12	1 µg/Kg		

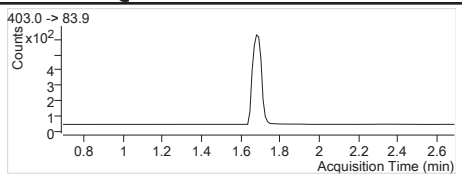
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	603	1.09	-	0.88 µg/Kg	-
PFHxA 1	7803	1.42	-	2.48 µg/Kg	-
PFHxS 1	4727	1.68	-	7.17 µg/Kg	-
PFHpA 1	1291	1.68	-	0.50 µg/Kg	-
PFOA 1	3294	1.87	-	0.94 µg/Kg	-
PFOS 1	41727	1.97	-	72.57 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1	1064	2.12	-	0.21 µg/Kg	-
PFUnA 1	742	2.22	-	0.33 µg/Kg	-
PFDoA 1	2255	2.31	-	0.53 µg/Kg	-
PFTrDA 1	1388	2.39	-	0.32 µg/Kg	-
PFTeDA 1	1314	2.46	-	0.31 µg/Kg	-
6:2-FTS 1	8109	1.84	-	10.76 µg/Kg	-
8:2-FTS 1	3420	2.10	-	5.21 µg/Kg	-
13C2-PFHxA	9714	1.42	-	123.56 µg/Kg	-
18O2-PFHxS	1851	1.68	-	127.04 µg/Kg	-
13C4-PFHpA	10898	1.68	-	127.06 µg/Kg	-
13C4-PFOA	10929	1.87	-	132.09 µg/Kg	-
13C4-PFOS	2086	1.98	-	116.46 µg/Kg	-
13C5-PFNA	10017	2.00	-	119.78 µg/Kg	-
13C2-PFDA	8590	2.12	-	122.74 µg/Kg	-
13C2-PFUnA	9534	2.22	-	118.11 µg/Kg	-
13C2-PFDoA	10046	2.31	-	108.54 µg/Kg	-
13C2-PFTeDA	13636	2.46	-	119.87 µg/Kg	-
13C2-6:2-FTS	2456	1.83	-	123.22 µg/Kg	-
13C2-8:2 FTS	2417	2.10	-	117.58 µg/Kg	-
13C6-PFHxA	40824	1.42	-	144.10 µg/Kg	-
13C9-PFDA	37340	2.12	-	145.91 µg/Kg	-



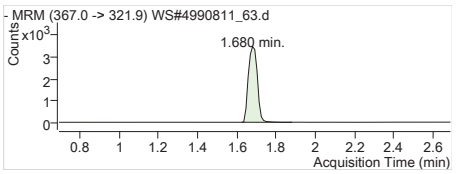


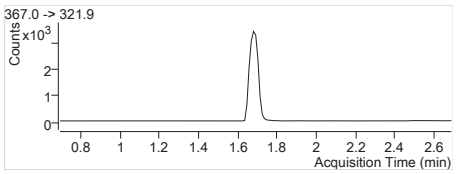
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



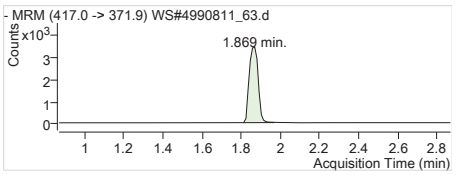


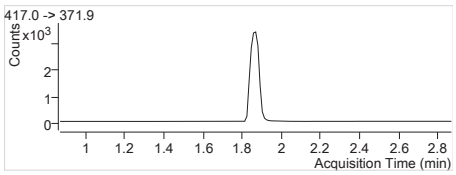
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



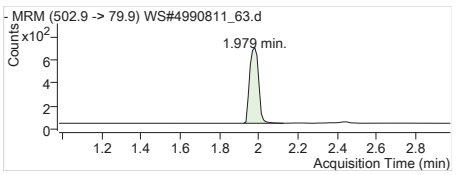


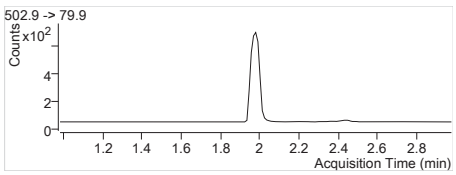
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



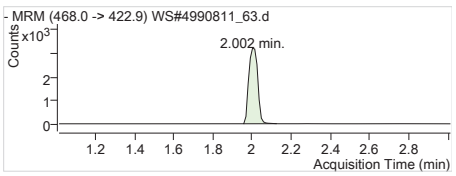


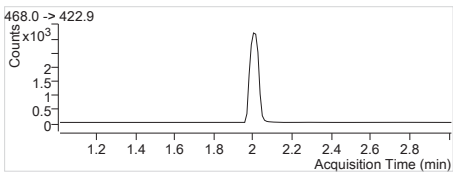
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



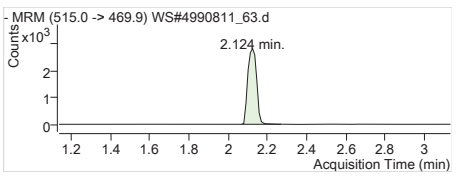


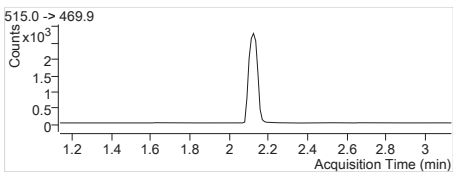
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



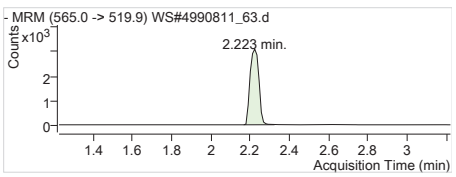


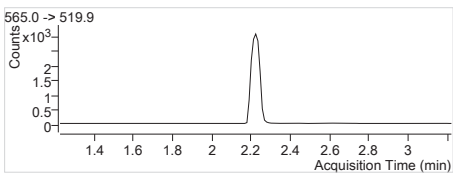
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



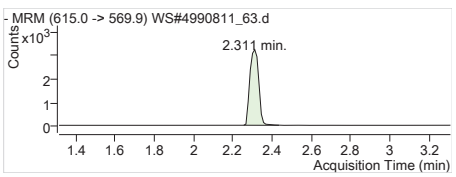


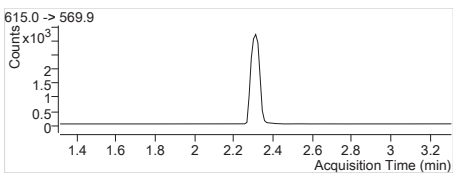
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



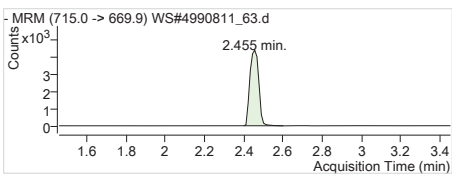


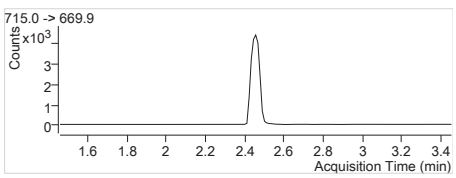
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



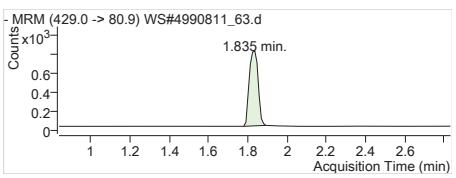


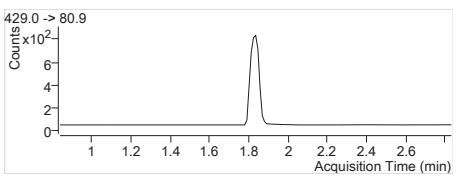
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



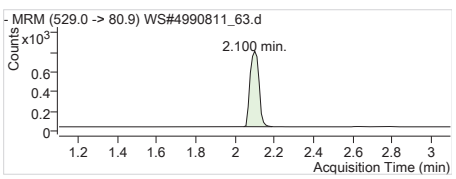


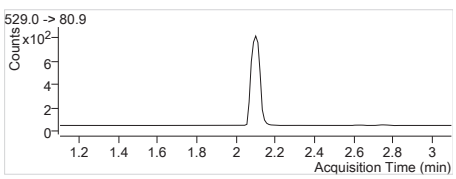
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



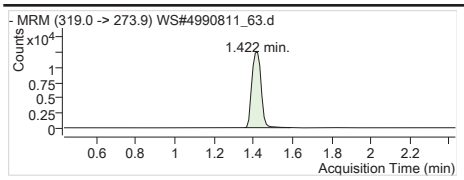


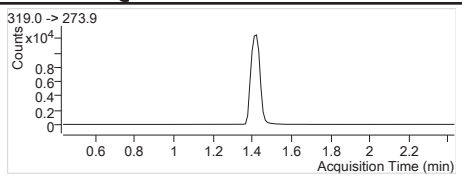
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



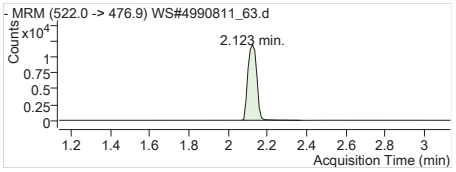


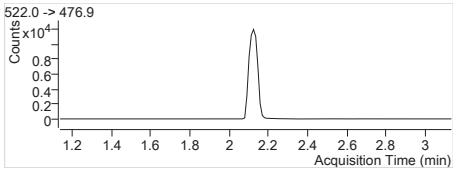
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



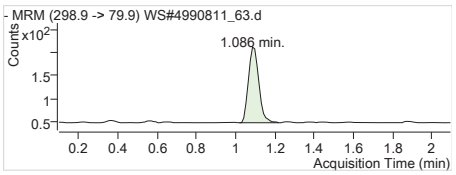


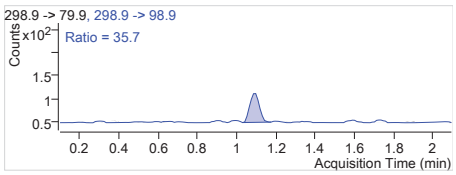
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



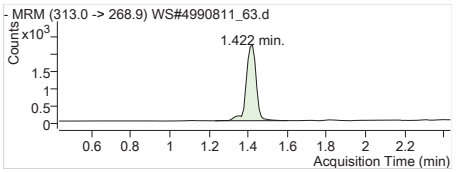


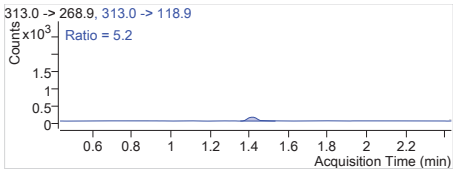
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



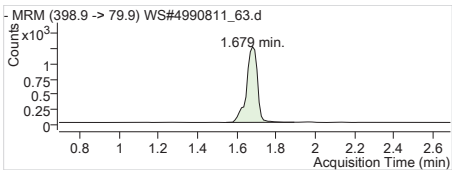


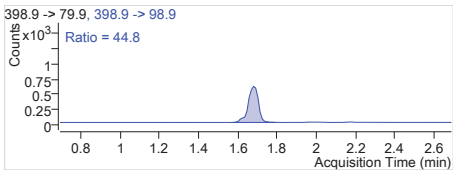
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.086 (1.098)
Calc. conc. 0.88 µg/Kg
Area ratio: 0.32577
Sample type: Sample



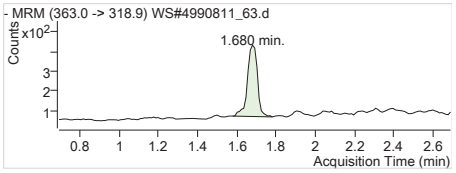


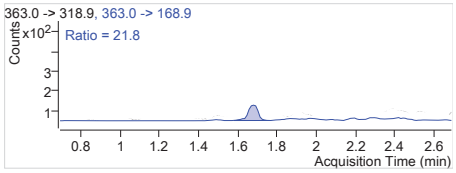
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.422 (1.434)
Calc. conc. 2.48 µg/Kg
Area ratio: 0.80327
Sample type: Sample



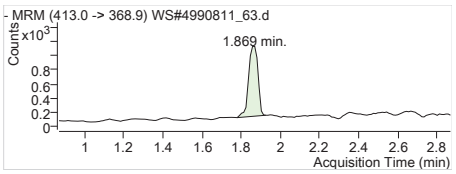


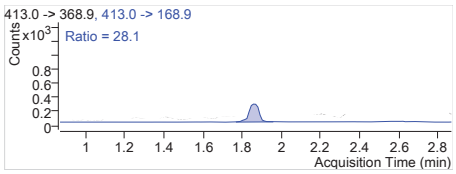
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 7.17 µg/Kg
Area ratio: 2.55375
Sample type: Sample



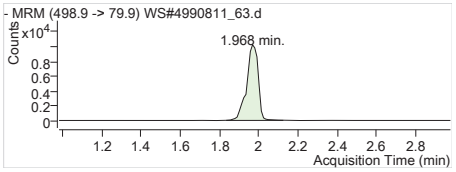


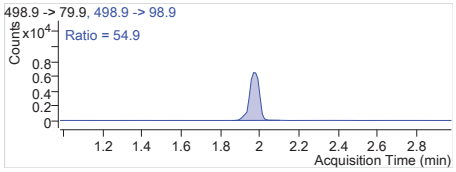
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 0.50 µg/Kg
Area ratio: 0.11846
Sample type: Sample



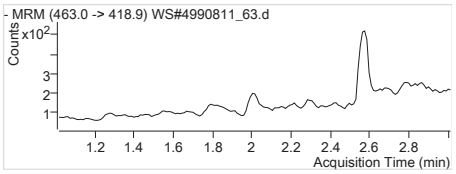


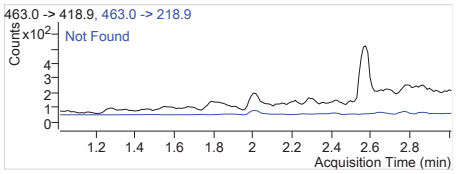
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.94 µg/Kg
Area ratio: 0.30140
Sample type: Sample



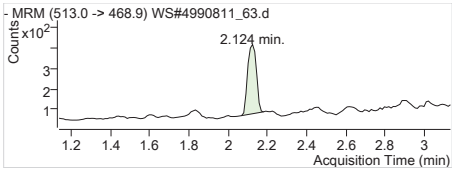


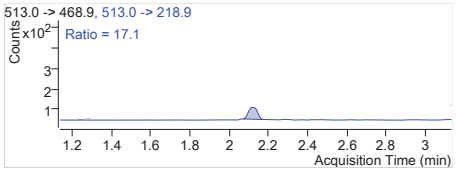
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 72.57 µg/Kg
Area ratio: 20.00336
Sample type: Sample



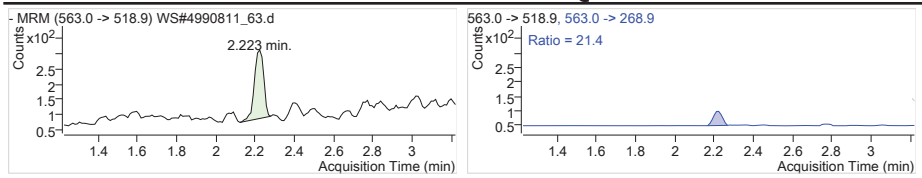


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

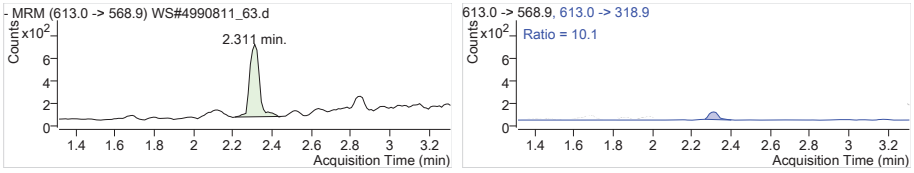




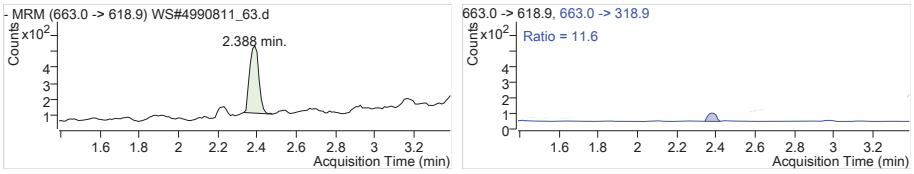
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 0.21 µg/Kg
Area ratio: 0.12386
Sample type: Sample



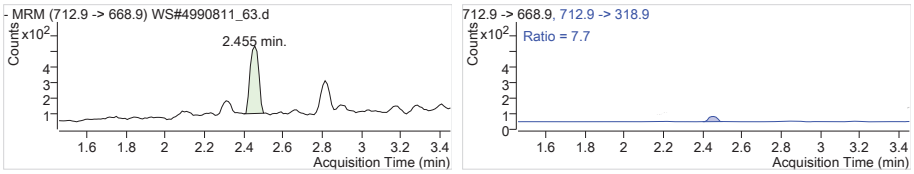
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 0.33 µg/Kg
Area ratio: 0.07783
Sample type: Sample



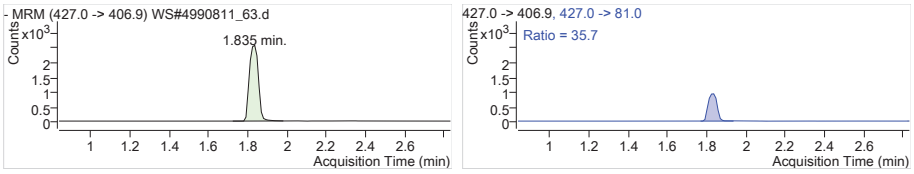
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 0.53 µg/Kg
Area ratio: 0.22447
Sample type: Sample



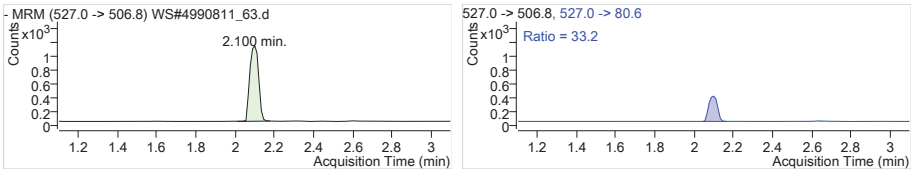
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 0.32 µg/Kg
Area ratio: 0.10179
Sample type: Sample



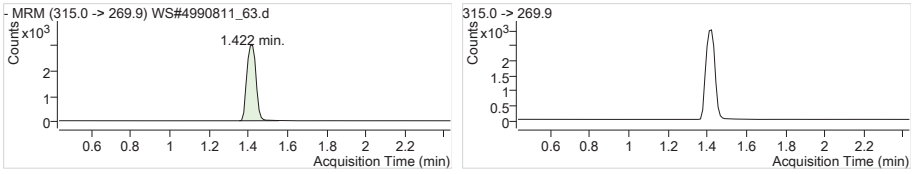
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 0.31 µg/Kg
Area ratio: 0.09636
Sample type: Sample



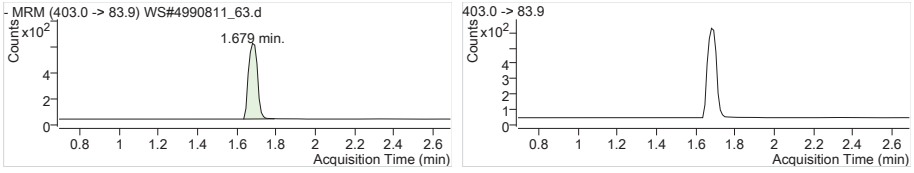
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 10.76 µg/Kg
Area ratio: 3.30171
Sample type: Sample



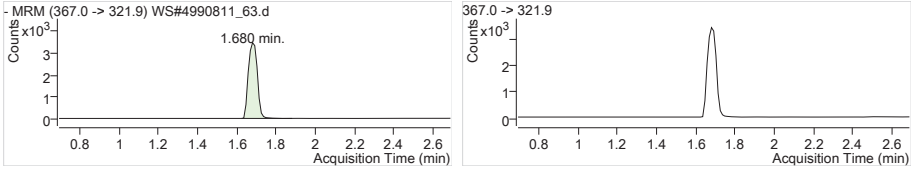
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 5.21 µg/Kg
Area ratio: 1.41498
Sample type: Sample



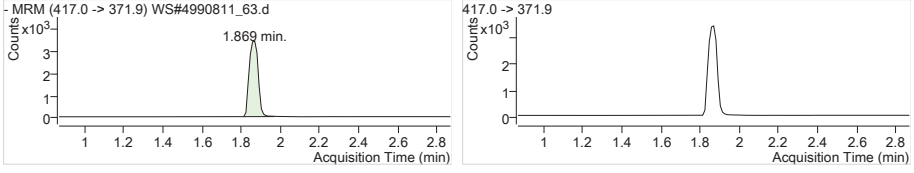
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 123.56 µg/Kg
Area ratio: 0.23795
Sample type: Sample



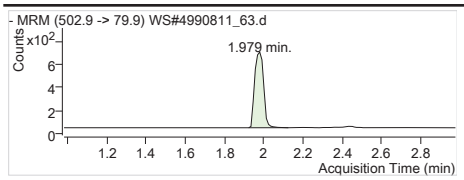
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 127.04 µg/Kg
Area ratio: 0.04534
Sample type: Sample

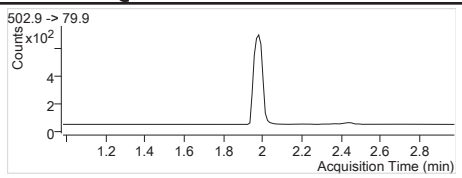


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 127.06 µg/Kg
Area ratio: 0.26695
Sample type: Sample

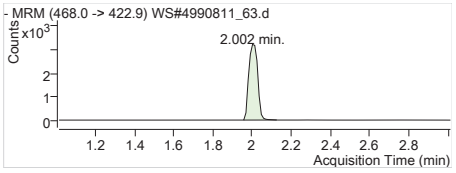


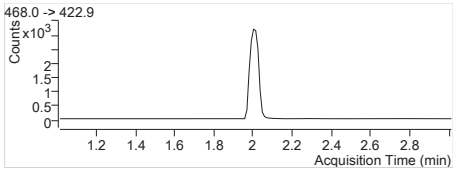
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 132.09 µg/Kg
Area ratio: 0.26771
Sample type: Sample



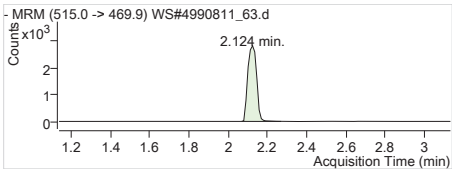


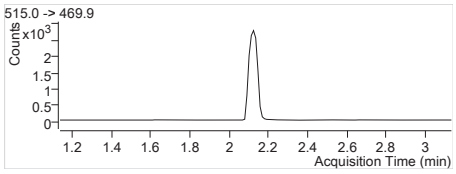
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	116.46 µg/Kg
Area ratio:	0.05110
Sample type:	Sample



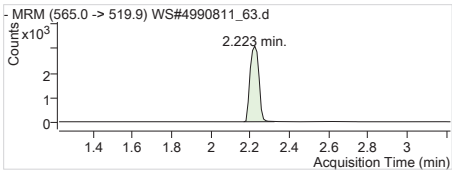


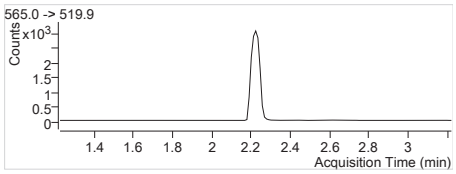
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.002 (2.013)
Calc. conc.	119.78 µg/Kg
Area ratio:	0.24537
Sample type:	Sample



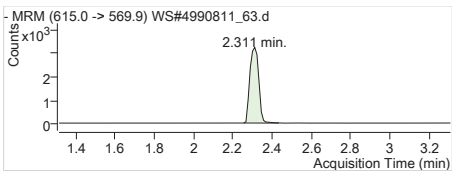


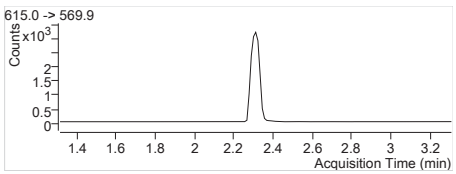
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.124 (2.135)
Calc. conc.	122.74 µg/Kg
Area ratio:	0.23005
Sample type:	Sample



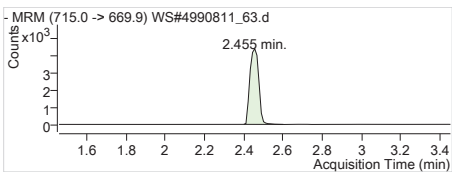


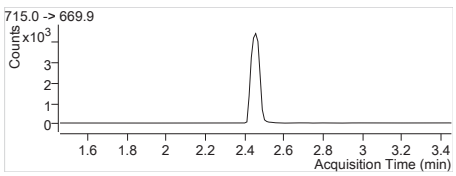
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	118.11 µg/Kg
Area ratio:	0.25533
Sample type:	Sample



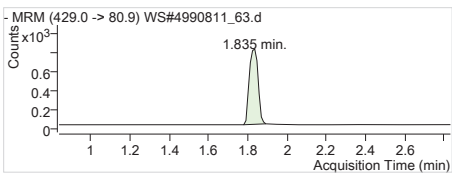


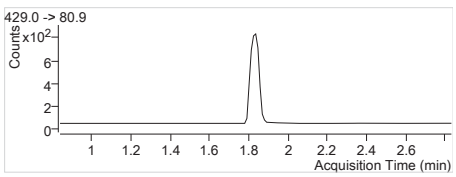
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	108.54 µg/Kg
Area ratio:	0.26904
Sample type:	Sample



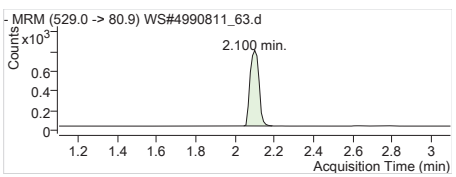


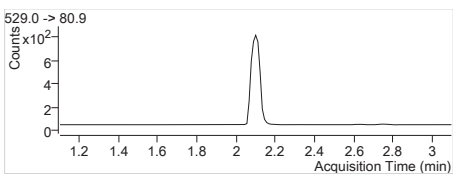
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	119.87 µg/Kg
Area ratio:	0.36518
Sample type:	Sample



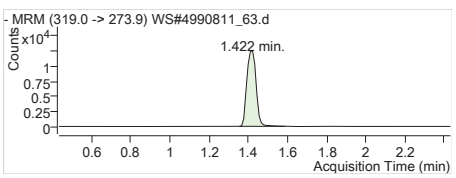


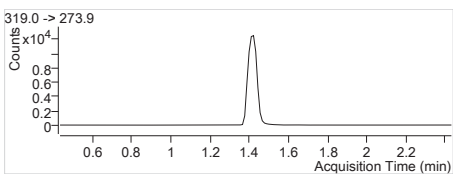
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	123.22 µg/Kg
Area ratio:	0.06016
Sample type:	Sample



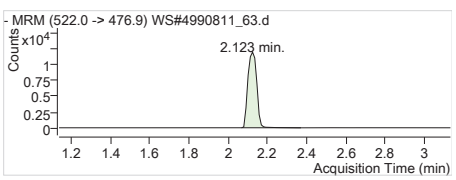


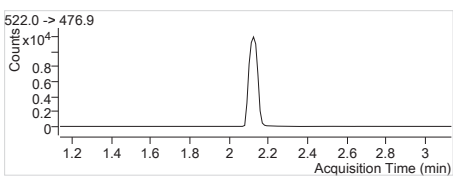
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	117.58 µg/Kg
Area ratio:	0.05921
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.422 (1.433)
Calc. conc.	144.10 µg/Kg
Area ratio:	0
Sample type:	Sample





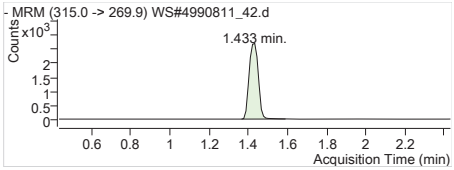
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.134)
Calc. conc.	145.91 µg/Kg
Area ratio:	0
Sample type:	Sample

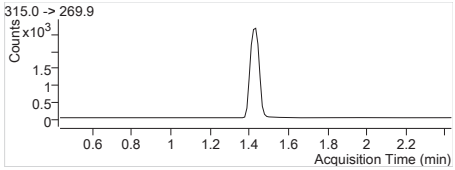
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI424-01**	**Instrument**	LCMS04
Data File	WS#4990811_42.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.496
Acq. Method	PFC_Soil.m	**Position**	P2-D7
Acq. Date	2017/05/24 11:38:43 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjected for carry-over check		

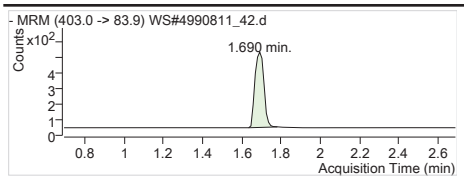
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8579	1.43	1 µg/Kg		
MPFHxS	1533	1.69	1 µg/Kg		
MPFHpA	9513	1.69	1 µg/Kg		
MPFOA	8730	1.87	1 µg/Kg		
MPFOS	1925	1.98	1 µg/Kg		
MPFNA	8668	2.01	1 µg/Kg		
MPFDA	7239	2.13	1 µg/Kg		
MPFUnA	7838	2.23	1 µg/Kg		
MPFDoA	8228	2.31	1 µg/Kg		
MPFTeDA	10478	2.46	1 µg/Kg		
M2 6:2 FTS	2228	1.83	1 µg/Kg		
M2 8:2 FTS	2175	2.10	1 µg/Kg		
13C6-PFHxA IS	41286	1.43	1 µg/Kg		
13C9-PFDA IS	36917	2.13	1 µg/Kg		

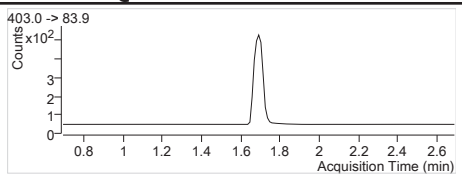
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	1247	1.43	-	0.50 µg/Kg	-
PFHxS 1	318	1.69	-	0.78 µg/Kg	-
PFHpA 1	2507	1.69	-	0.97 µg/Kg	-
PFOA 1	5228	1.87	-	1.92 µg/Kg	-
PFOS 1	12968	1.97	-	25.67 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8579	1.43	-	107.90 µg/Kg	-
18O2-PFHxS	1533	1.69	-	104.04 µg/Kg	-
13C4-PFHpA	9513	1.69	-	109.67 µg/Kg	-
13C4-PFOA	8730	1.87	-	104.33 µg/Kg	-
13C4-PFOS	1925	1.98	-	106.27 µg/Kg	-
13C5-PFNA	8668	2.01	-	102.49 µg/Kg	-
13C2-PFDA	7239	2.13	-	104.62 µg/Kg	-
13C2-PFUnA	7838	2.23	-	98.21 µg/Kg	-
13C2-PFDoA	8228	2.31	-	89.91 µg/Kg	-
13C2-PFTeDA	10478	2.46	-	93.16 µg/Kg	-
13C2-6:2-FTS	2228	1.83	-	110.53 µg/Kg	-
13C2-8:2 FTS	2175	2.10	-	104.62 µg/Kg	-
13C6-PFHxA	41286	1.43	-	153.10 µg/Kg	-
13C9-PFDA	36917	2.13	-	151.55 µg/Kg	-



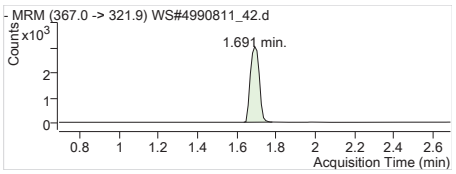


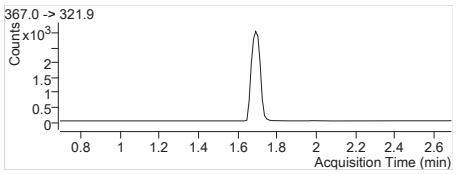
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



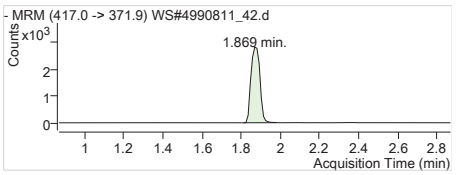


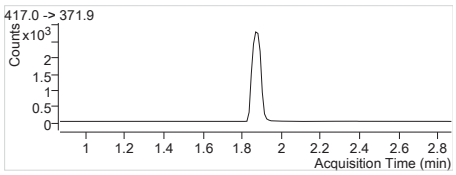
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



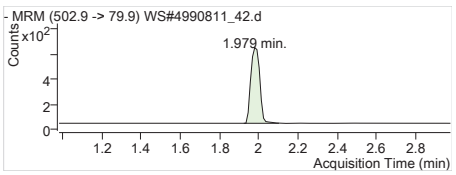


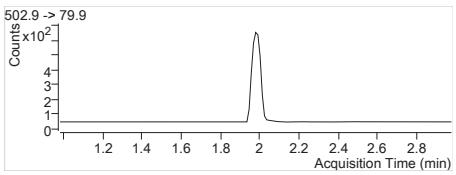
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



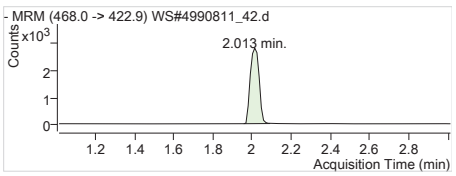


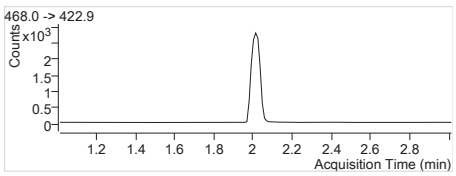
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



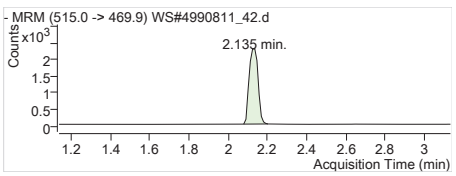


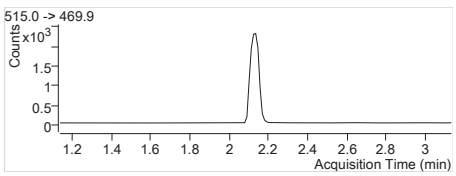
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



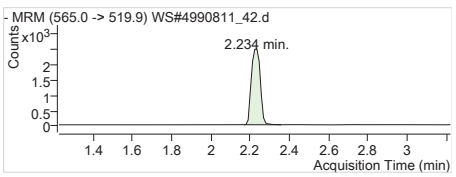


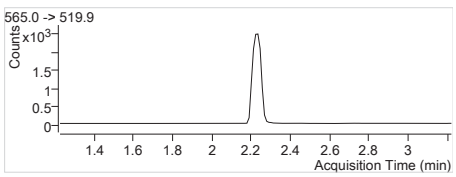
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



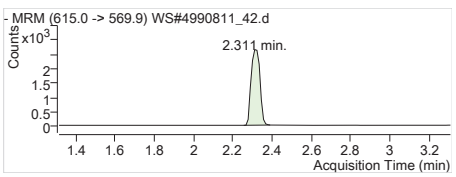


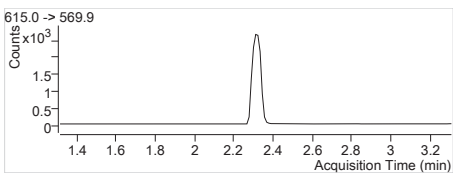
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



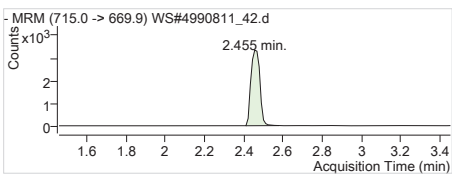


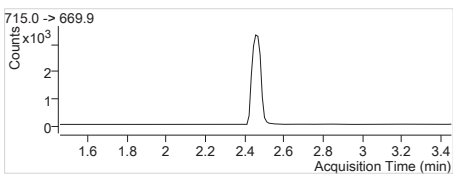
MPFUnA Internal Standard
RT (Exp. RT): 2.234 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



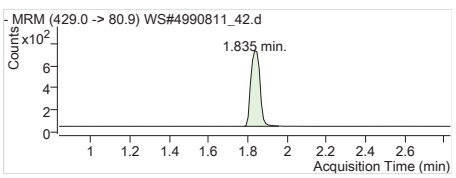


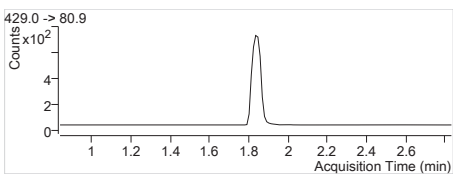
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



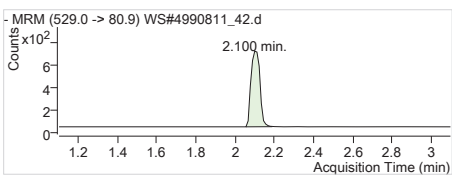


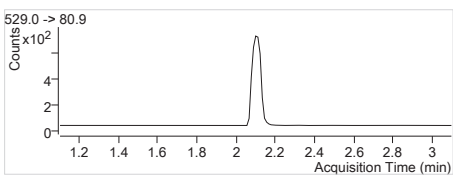
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



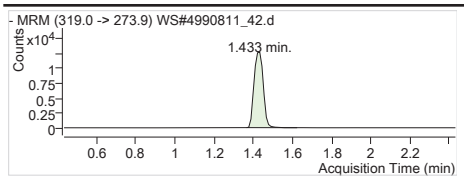


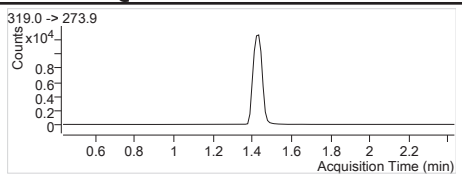
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



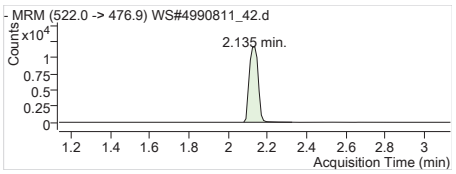


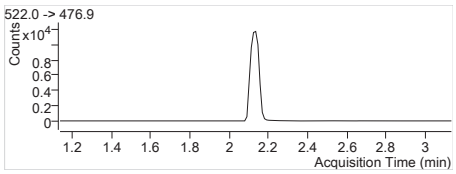
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



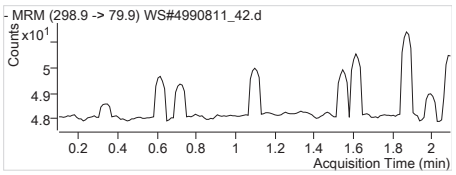


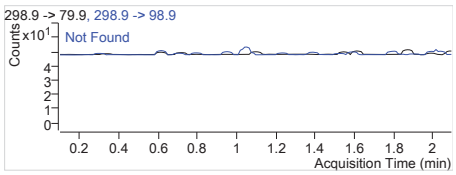
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



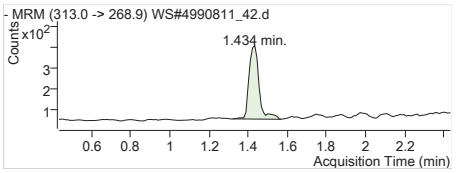


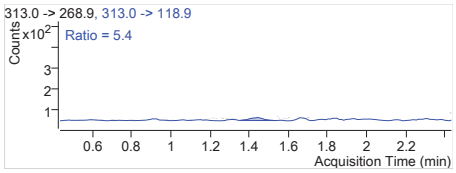
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



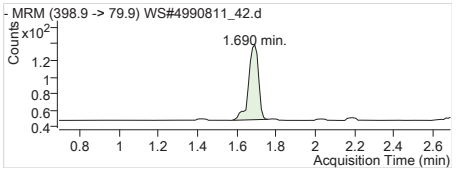


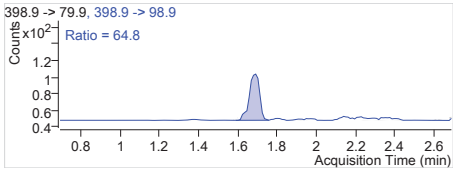
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



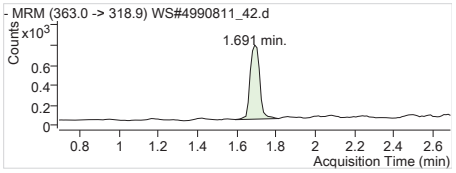


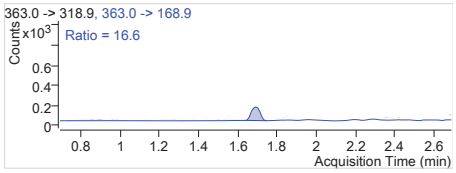
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 0.50 µg/Kg
Area ratio: 0.14535
Sample type: Sample



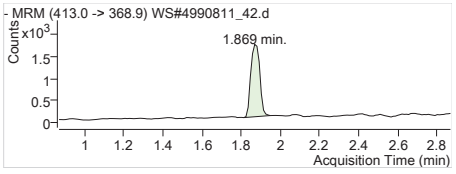


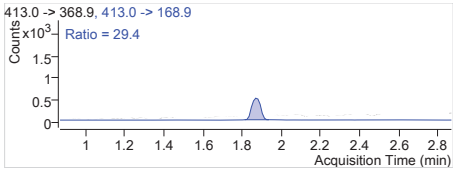
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 0.78 µg/Kg
Area ratio: 0.20744
Sample type: Sample



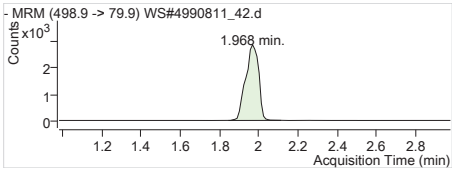


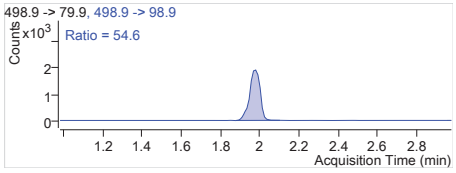
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 0.97 µg/Kg
Area ratio: 0.26353
Sample type: Sample



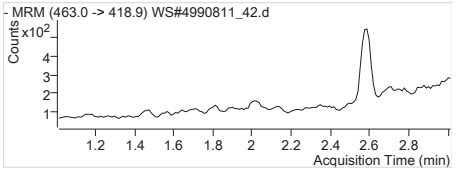


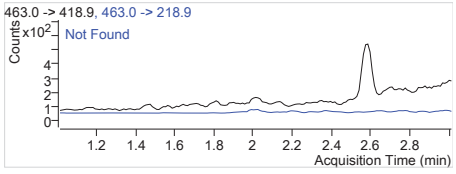
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 1.92 µg/Kg
Area ratio: 0.59885
Sample type: Sample



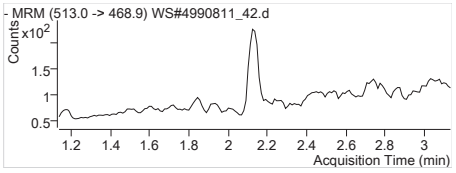


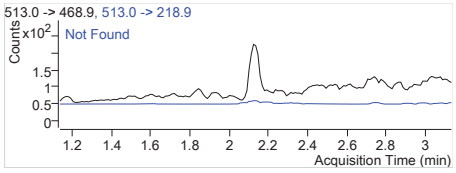
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 25.67 µg/Kg
Area ratio: 6.73662
Sample type: Sample



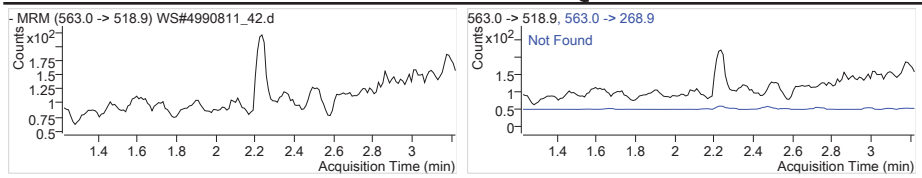


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

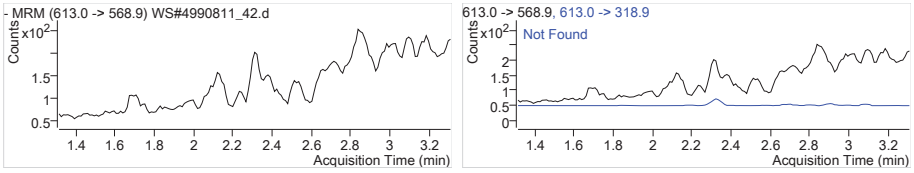




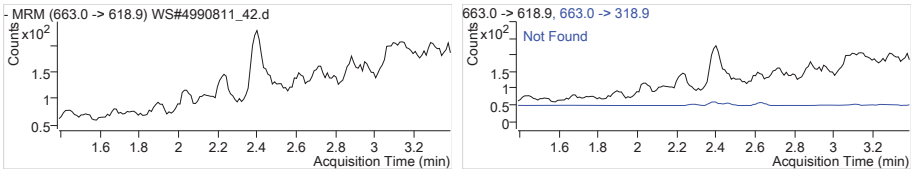
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



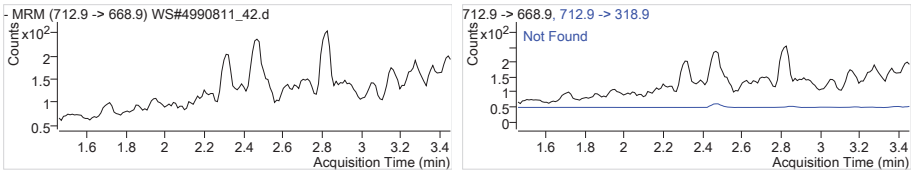
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



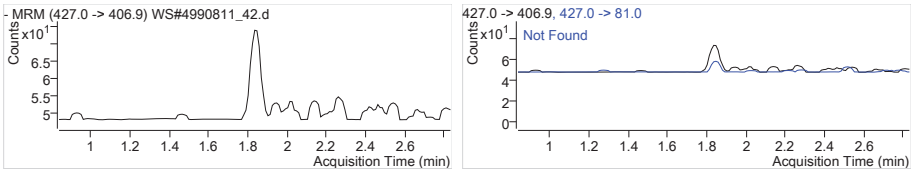
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



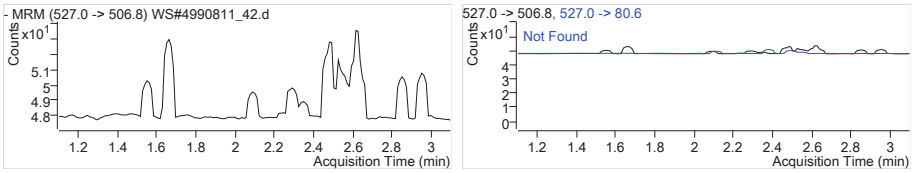
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



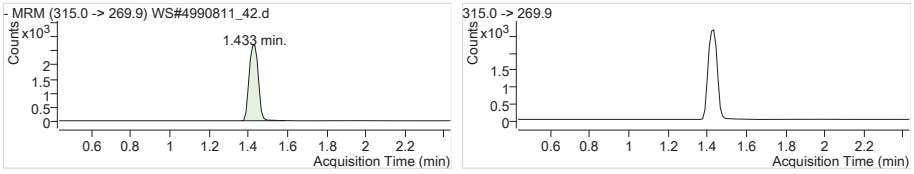
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



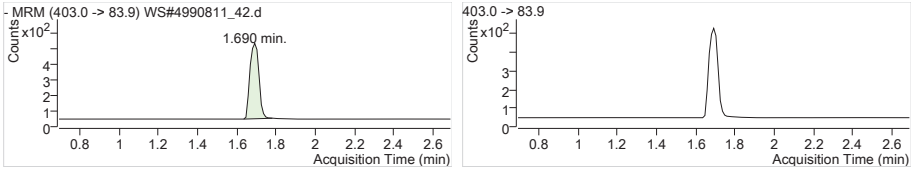
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



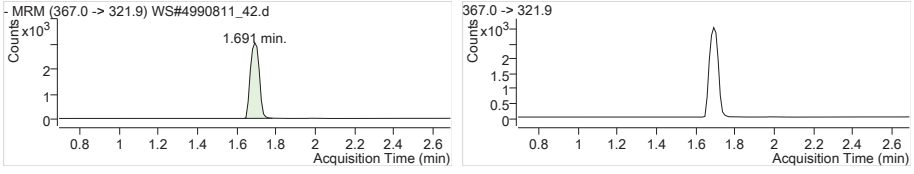
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



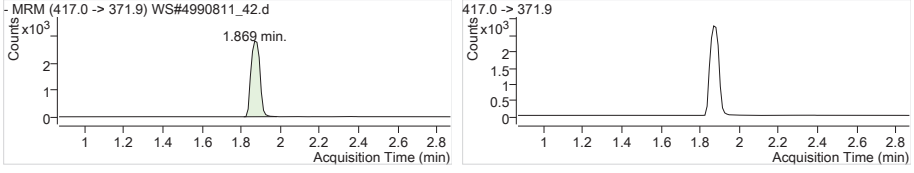
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 107.90 µg/Kg
Area ratio: 0.20779
Sample type: Sample



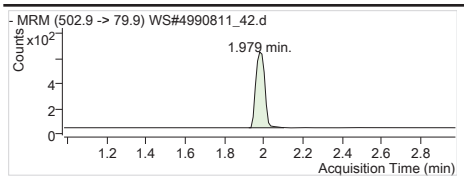
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 104.04 µg/Kg
Area ratio: 0.03713
Sample type: Sample

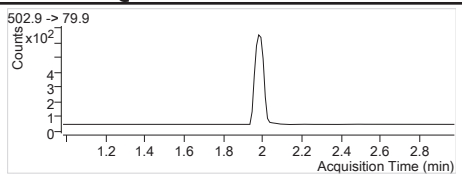


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 109.67 µg/Kg
Area ratio: 0.23042
Sample type: Sample

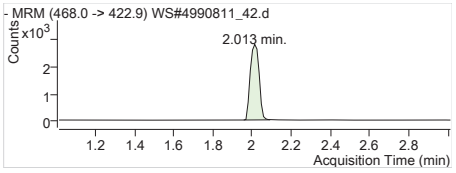


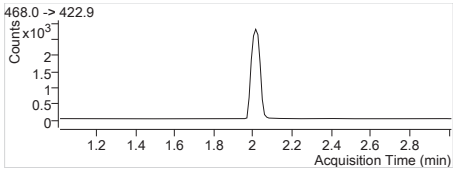
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 104.33 µg/Kg
Area ratio: 0.21145
Sample type: Sample



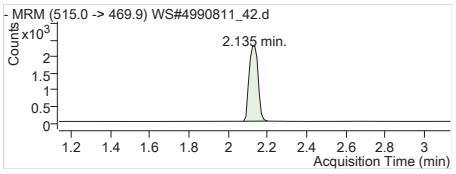


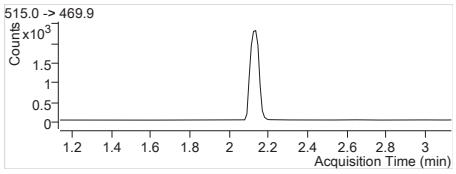
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 106.27 µg/Kg
Area ratio: 0.04663
Sample type: Sample



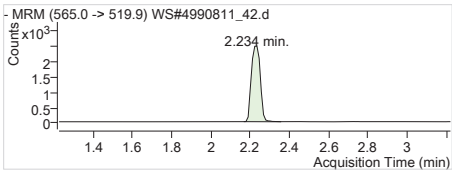


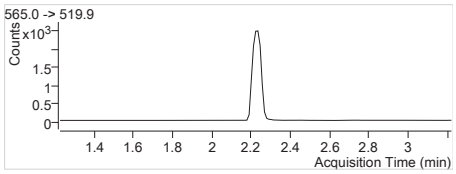
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 102.49 µg/Kg
Area ratio: 0.20995
Sample type: Sample



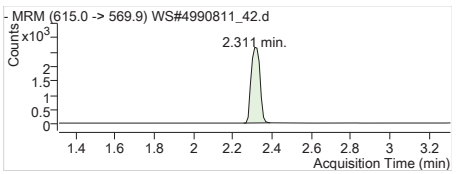


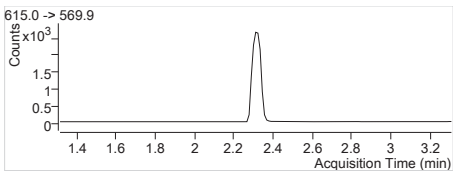
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 104.62 µg/Kg
Area ratio: 0.19609
Sample type: Sample



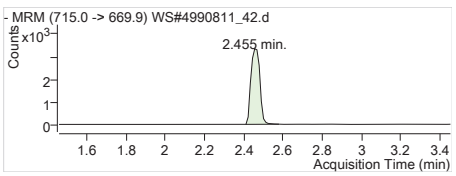


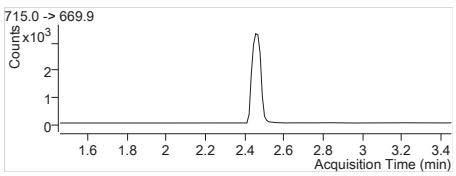
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.234 (2.223)
Calc. conc. 98.21 µg/Kg
Area ratio: 0.21231
Sample type: Sample



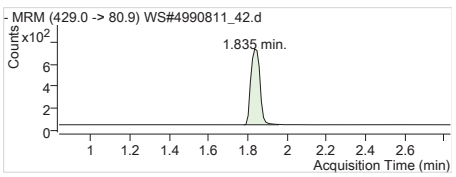


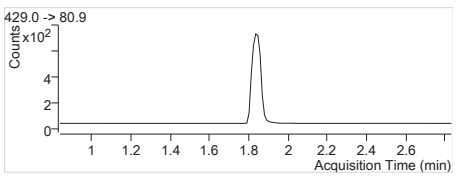
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 89.91 µg/Kg
Area ratio: 0.22288
Sample type: Sample



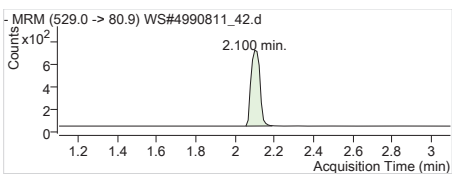


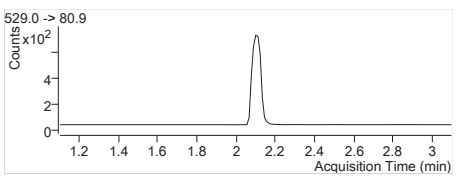
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 93.16 µg/Kg
Area ratio: 0.28383
Sample type: Sample



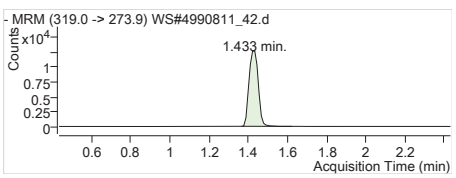


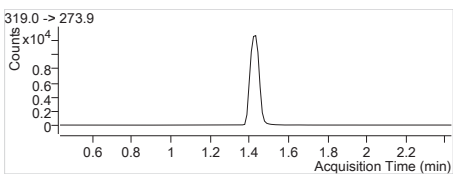
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 110.53 µg/Kg
Area ratio: 0.05397
Sample type: Sample



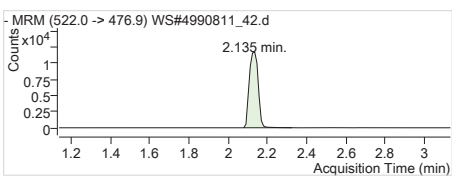


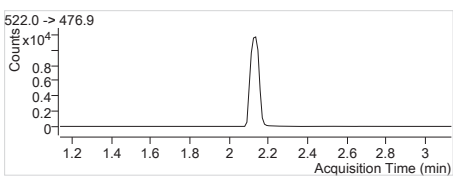
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 104.62 µg/Kg
Area ratio: 0.05268
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 153.10 µg/Kg
Area ratio: 0
Sample type: Sample





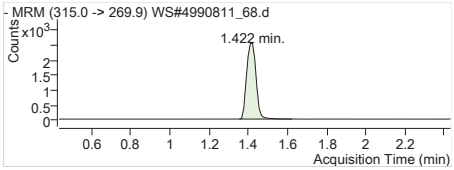
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 151.55 µg/Kg
Area ratio: 0
Sample type: Sample

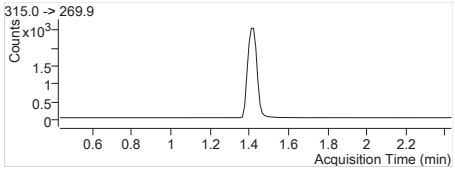
Batch Path T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI424-01**	**Instrument**	LCMS04
Data File	WS#4990811_68.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.496
Acq. Method	PFC_Soil.m	**Position**	P2-D7
Acq. Date	2017/05/25 3:15:31 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjection reported.		

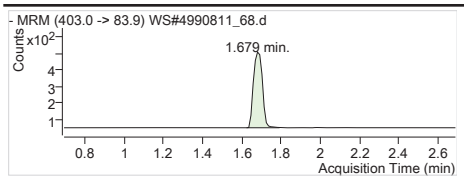
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8365	1.42	1 µg/Kg		
MPFHxS	1465	1.68	1 µg/Kg		
MPFHpA	9481	1.68	1 µg/Kg		
MPFOA	8966	1.87	1 µg/Kg		
MPFOS	1868	1.98	1 µg/Kg		
MPFNA	9218	2.01	1 µg/Kg		
MPFDA	6510	2.12	1 µg/Kg		
MPFUnA	7852	2.22	1 µg/Kg		
MPFDoA	8303	2.31	1 µg/Kg		
MPFTeDA	10312	2.46	1 µg/Kg		
M2 6:2 FTS	2118	1.83	1 µg/Kg		
M2 8:2 FTS	2171	2.10	1 µg/Kg		
13C6-PFHxA IS	40782	1.41	1 µg/Kg		
13C9-PFDA IS	38643	2.12	1 µg/Kg		

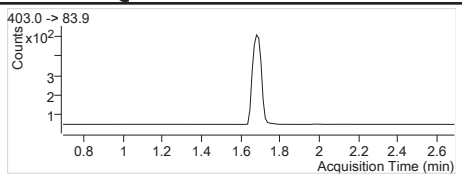
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	1032	1.42	-	0.43 µg/Kg	-
PFHxS 1	352	1.68	-	0.87 µg/Kg	-
PFHpA 1	2159	1.68	-	0.86 µg/Kg	-
PFOA 1	5207	1.87	-	1.86 µg/Kg	-
PFOS 1	12306	1.97	-	25.10 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8365	1.42	-	106.51 µg/Kg	-
18O2-PFHxS	1465	1.68	-	100.65 µg/Kg	-
13C4-PFHpA	9481	1.68	-	110.65 µg/Kg	-
13C4-PFOA	8966	1.87	-	108.47 µg/Kg	-
13C4-PFOS	1868	1.98	-	104.40 µg/Kg	-
13C5-PFNA	9218	2.01	-	110.34 µg/Kg	-
13C2-PFDA	6510	2.12	-	89.89 µg/Kg	-
13C2-PFUnA	7852	2.22	-	93.99 µg/Kg	-
13C2-PFDoA	8303	2.31	-	86.68 µg/Kg	-
13C2-PFTeDA	10312	2.46	-	87.59 µg/Kg	-
13C2-6:2-FTS	2118	1.83	-	106.38 µg/Kg	-
13C2-8:2 FTS	2171	2.10	-	105.72 µg/Kg	-
13C6-PFHxA	40782	1.41	-	151.24 µg/Kg	-
13C9-PFDA	38643	2.12	-	158.63 µg/Kg	-



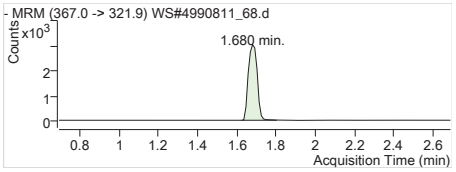


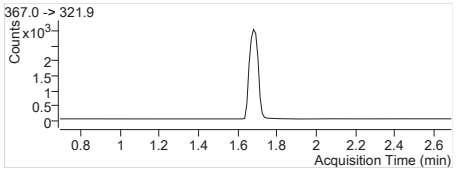
MPFHxA Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



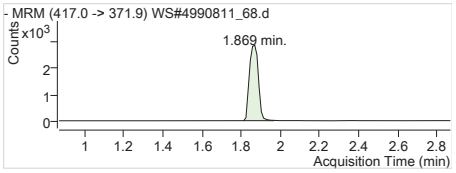


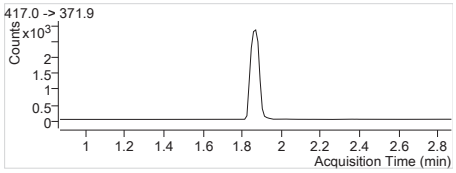
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



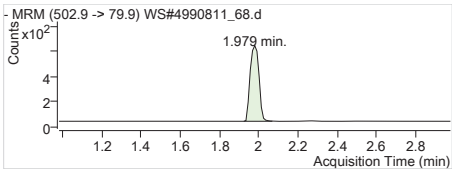


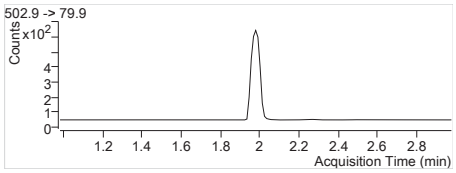
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



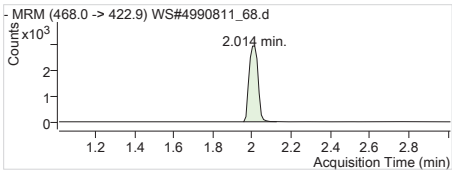


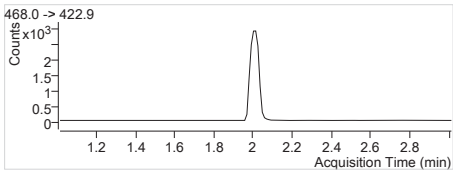
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



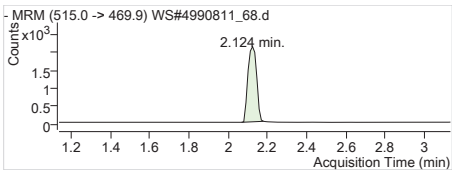


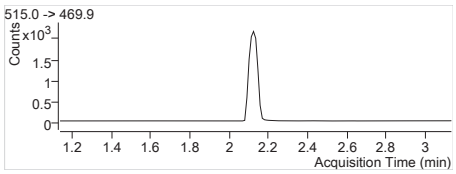
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



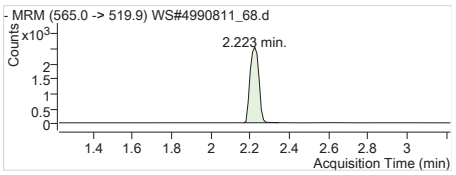


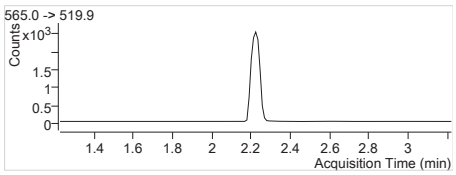
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



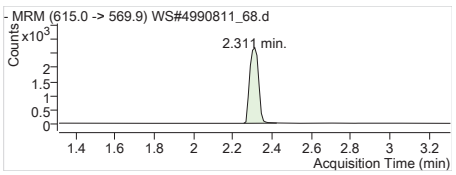


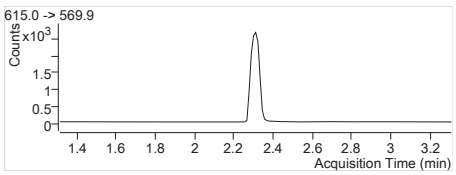
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



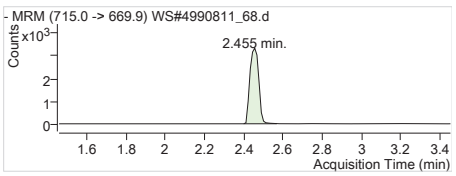


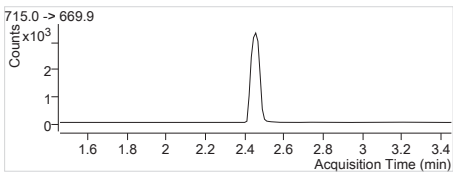
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



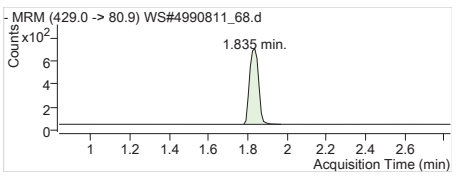


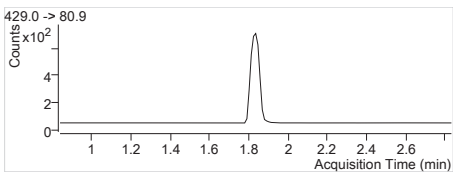
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



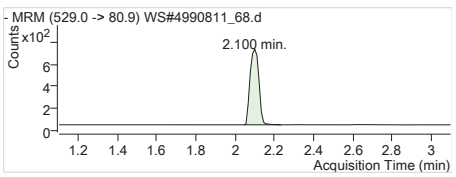


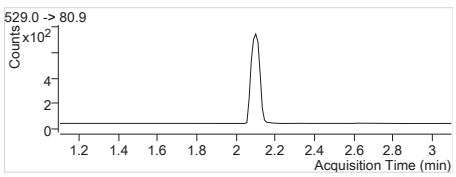
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



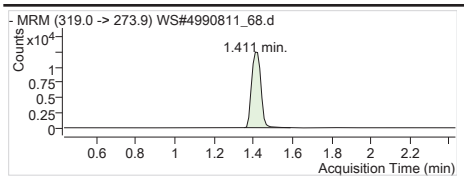


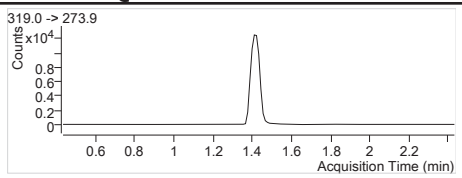
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



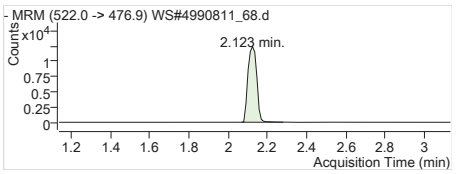


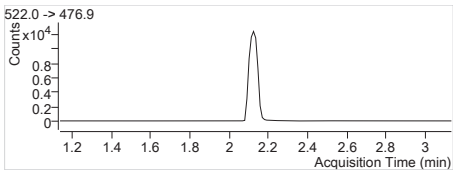
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



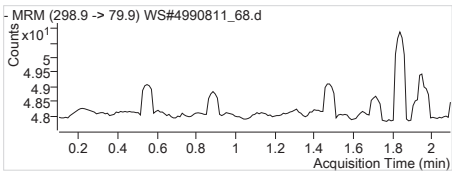


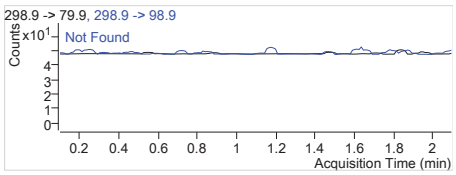
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



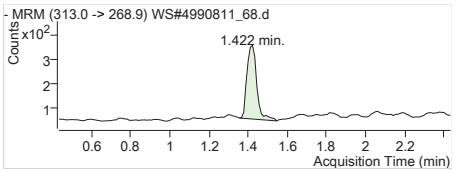


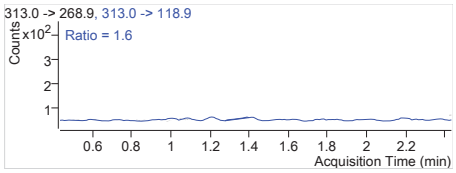
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



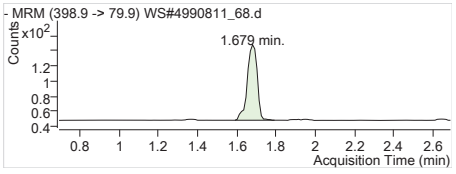


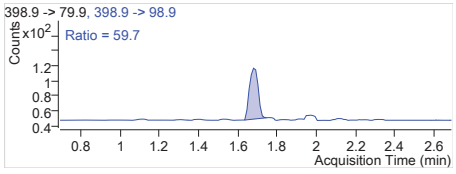
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



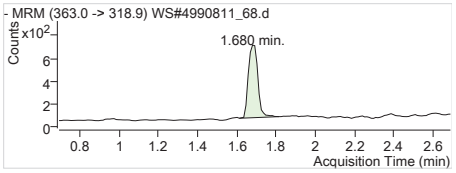


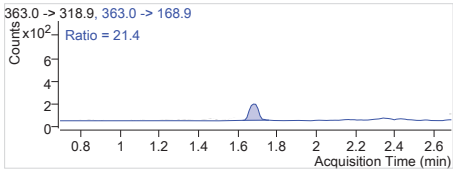
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.422 (1.434)
Calc. conc. 0.43 µg/Kg
Area ratio: 0.12337
Sample type: Sample



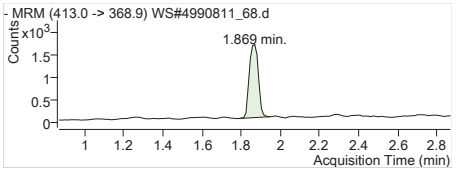


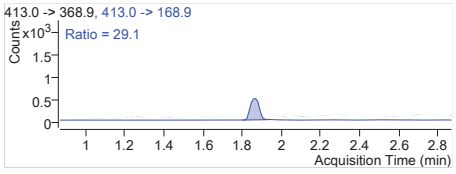
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 0.87 µg/Kg
Area ratio: 0.24027
Sample type: Sample



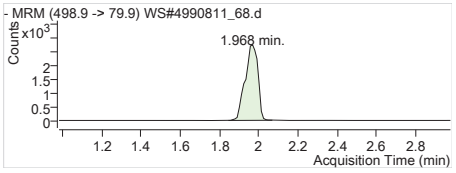


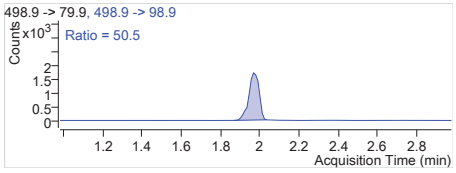
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 0.86 µg/Kg
Area ratio: 0.22772
Sample type: Sample



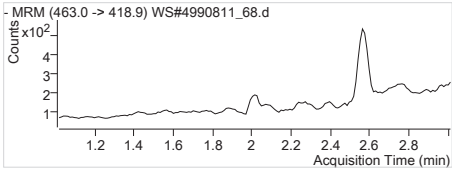


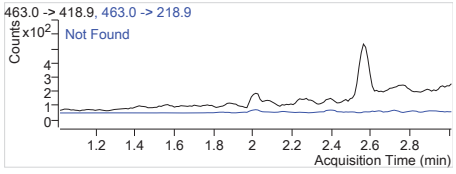
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 1.86 µg/Kg
Area ratio: 0.58075
Sample type: Sample



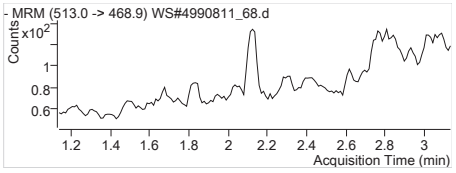


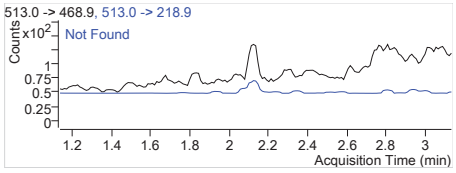
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 25.10 µg/Kg
Area ratio: 6.58779
Sample type: Sample



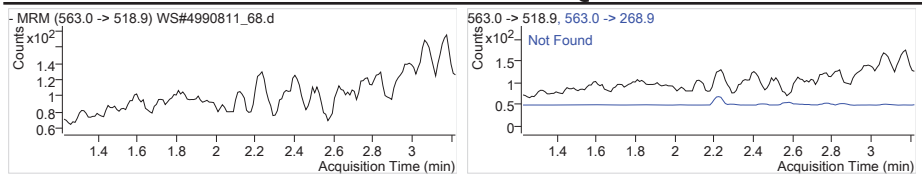


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

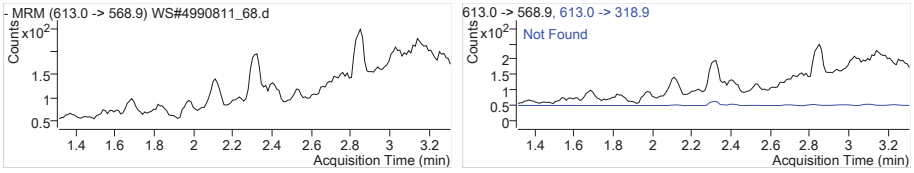




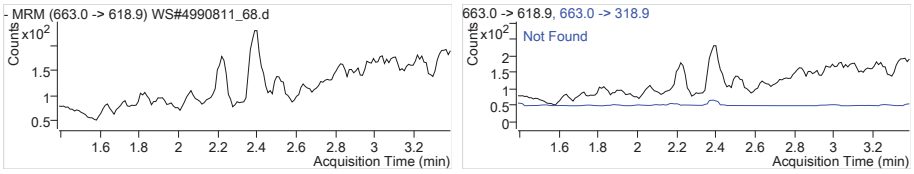
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



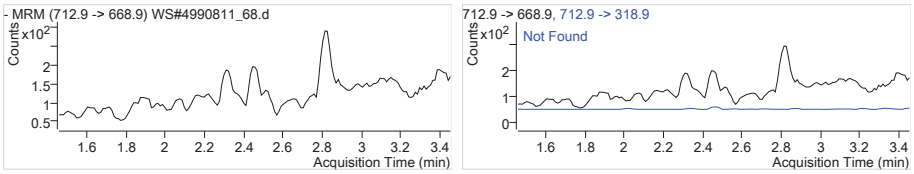
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



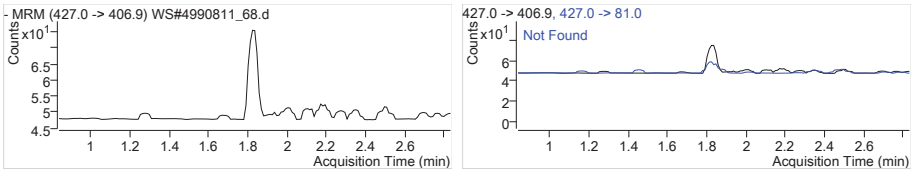
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



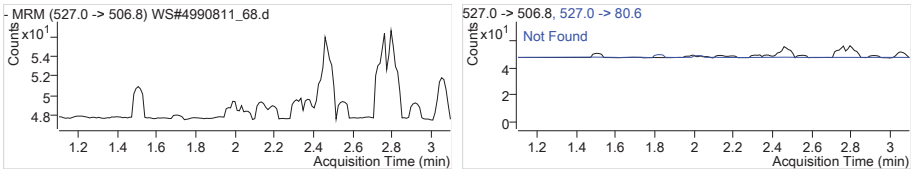
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



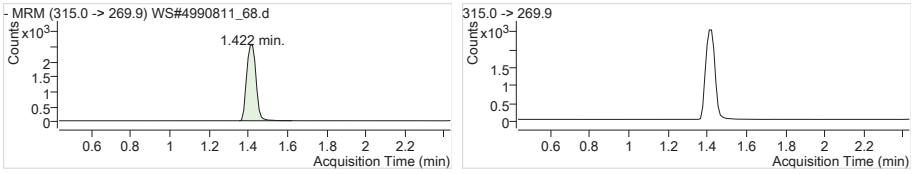
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



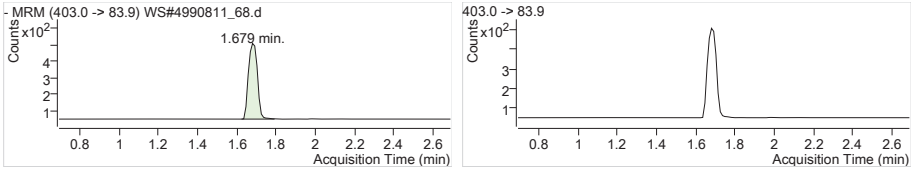
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



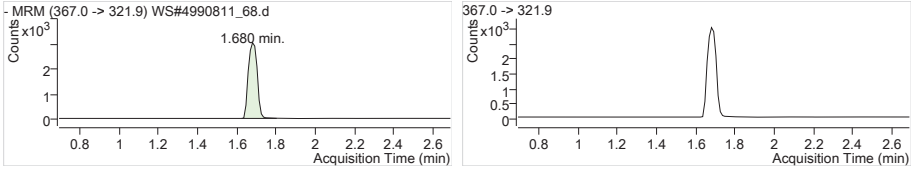
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



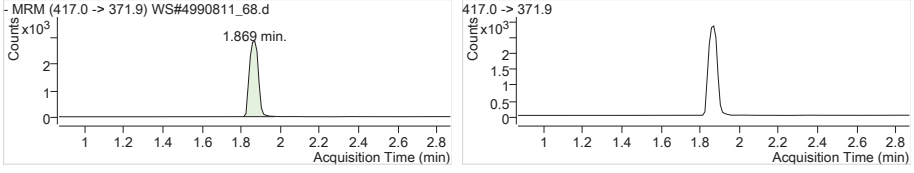
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 106.51 µg/Kg
Area ratio: 0.20512
Sample type: Sample



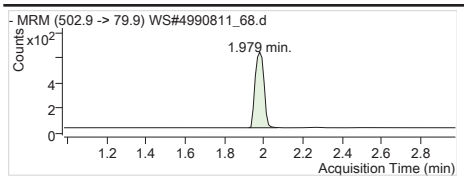
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 100.65 µg/Kg
Area ratio: 0.03592
Sample type: Sample

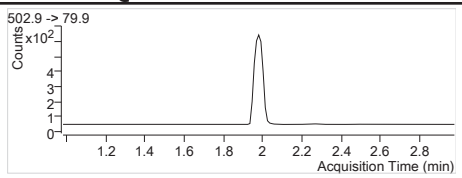


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 110.65 µg/Kg
Area ratio: 0.23248
Sample type: Sample

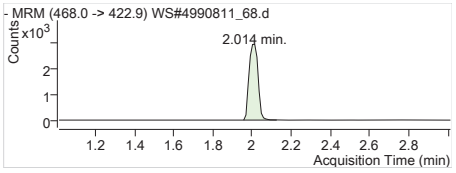


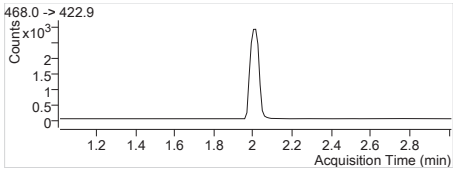
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 108.47 µg/Kg
Area ratio: 0.21985
Sample type: Sample



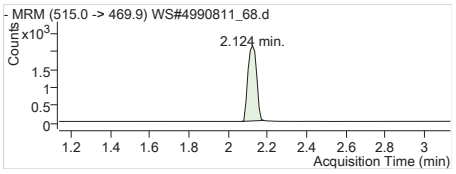


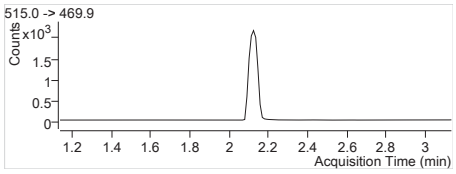
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 104.40 µg/Kg
Area ratio: 0.04580
Sample type: Sample



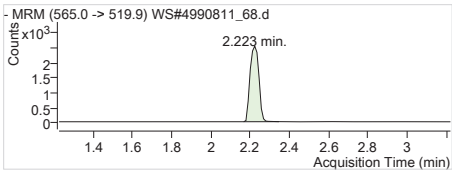


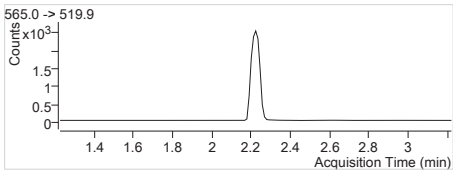
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.013)
Calc. conc. 110.34 µg/Kg
Area ratio: 0.22603
Sample type: Sample



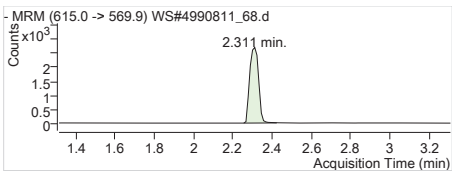


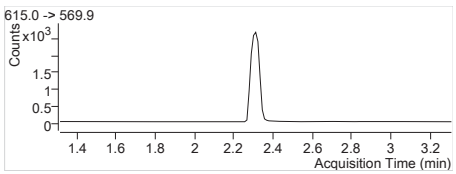
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 89.89 µg/Kg
Area ratio: 0.16847
Sample type: Sample



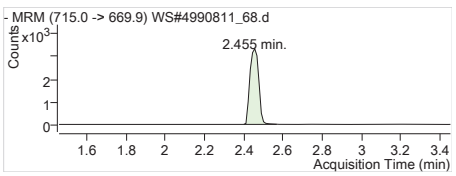


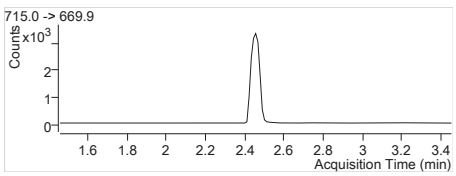
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 93.99 µg/Kg
Area ratio: 0.20319
Sample type: Sample



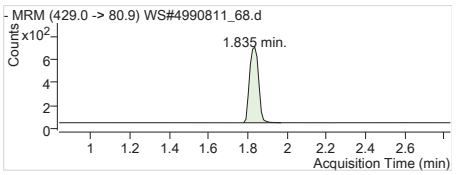


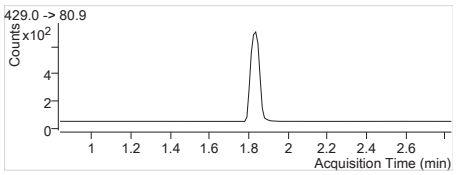
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 86.68 µg/Kg
Area ratio: 0.21486
Sample type: Sample



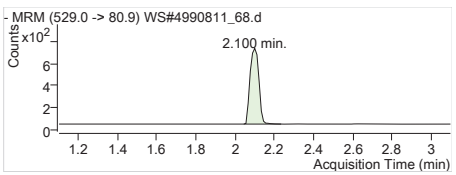


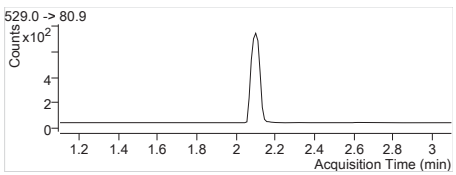
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 87.59 µg/Kg
Area ratio: 0.26685
Sample type: Sample



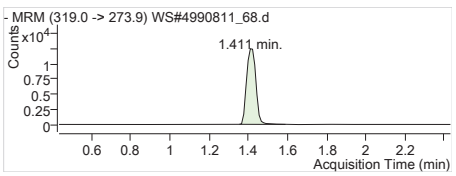


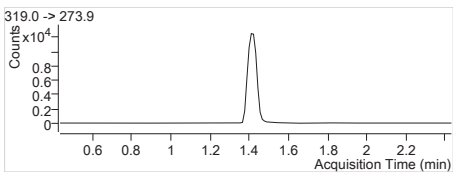
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 106.38 µg/Kg
Area ratio: 0.05193
Sample type: Sample



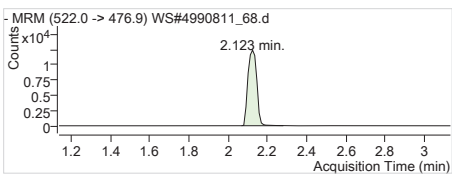


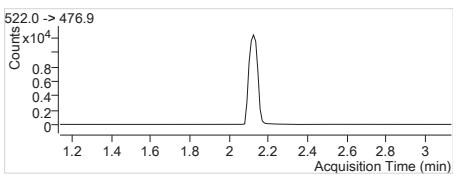
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 105.72 µg/Kg
Area ratio: 0.05323
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 151.24 µg/Kg
Area ratio: 0
Sample type: Sample





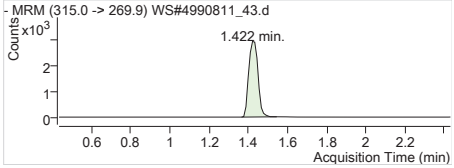
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 158.63 µg/Kg
Area ratio: 0
Sample type: Sample

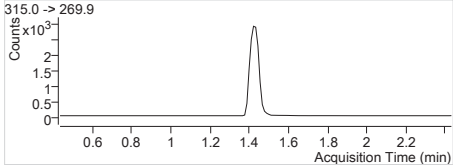
Batch Path T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI425-01**	**Instrument**	LCMS04
Data File	WS#4990811_43.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.387
Acq. Method	PFC_Soil.m	**Position**	P2-D8
Acq. Date	2017/05/24 11:43:37 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjected to confirm result.		

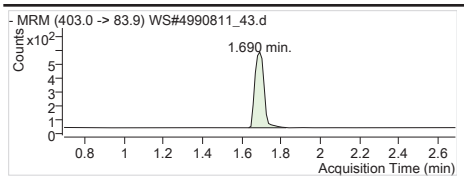
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9411	1.42	1 µg/Kg		
MPFHxS	1772	1.69	1 µg/Kg		
MPFHpA	10779	1.69	1 µg/Kg		
MPFOA	9554	1.87	1 µg/Kg		
MPFOS	1955	1.98	1 µg/Kg		
MPFNA	10053	2.01	1 µg/Kg		
MPFDA	8435	2.12	1 µg/Kg		
MPFUnA	8170	2.22	1 µg/Kg		
MPFDoA	8628	2.31	1 µg/Kg		
MPFTeDA	11157	2.46	1 µg/Kg		
M2 6:2 FTS	2211	1.83	1 µg/Kg		
M2 8:2 FTS	2159	2.10	1 µg/Kg		
13C6-PFHxA IS	45653	1.42	1 µg/Kg		
13C9-PFDA IS	40723	2.13	1 µg/Kg		

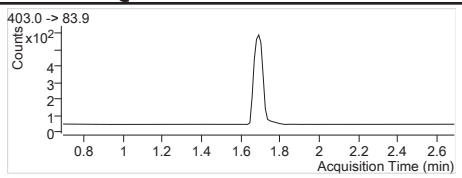
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	460	1.10	-	0.71 µg/Kg	-
PFHxA 1	7440	1.42	-	2.38 µg/Kg	-
PFHxS 1	4386	1.69	-	6.77 µg/Kg	-
PFHpA 1	1102	1.69	-	0.44 µg/Kg	-
PFOA 1	3079	1.87	-	0.97 µg/Kg	-
PFOS 1	77425	1.98	-	139.94 µg/Kg	-
PFNA 1	535	2.01	-	0.18 µg/Kg	-
PFDA 1	1547	2.14	-	0.36 µg/Kg	-
PFUnA 1	879	2.23	-	0.40 µg/Kg	-
PFDoA 1	1401	2.31	-	0.32 µg/Kg	-
PFTrDA 1	925	2.40	-	0.25 µg/Kg	-
PFTeDA 1	807	2.46	-	0.22 µg/Kg	-
6:2-FTS 1	11282	1.84	-	16.24 µg/Kg	-
8:2-FTS 1	5828	2.10	-	9.72 µg/Kg	-
13C2-PFHxA	9411	1.42	-	107.04 µg/Kg	-
18O2-PFHxS	1772	1.69	-	108.75 µg/Kg	-
13C4-PFHpA	10779	1.69	-	112.38 µg/Kg	-
13C4-PFOA	9554	1.87	-	103.26 µg/Kg	-
13C4-PFOS	1955	1.98	-	97.60 µg/Kg	-
13C5-PFNA	10053	2.01	-	107.50 µg/Kg	-
13C2-PFDA	8435	2.12	-	110.52 µg/Kg	-
13C2-PFUnA	8170	2.22	-	92.81 µg/Kg	-
13C2-PFDoA	8628	2.31	-	85.47 µg/Kg	-
13C2-PFTeDA	11157	2.46	-	89.93 µg/Kg	-
13C2-6:2-FTS	2211	1.83	-	99.20 µg/Kg	-
13C2-8:2 FTS	2159	2.10	-	93.92 µg/Kg	-
13C6-PFHxA	45653	1.42	-	156.96 µg/Kg	-
13C9-PFDA	40723	2.13	-	154.99 µg/Kg	-



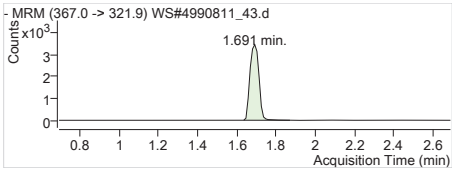


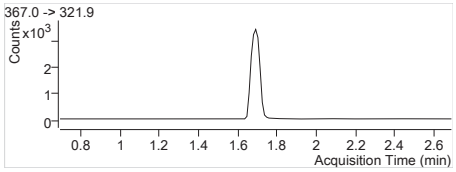
MPFHxA Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



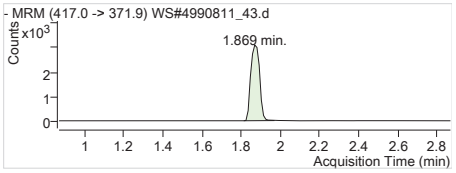


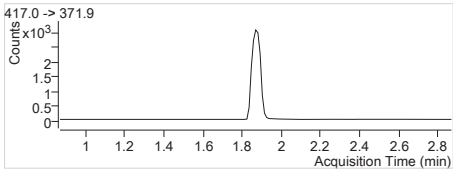
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



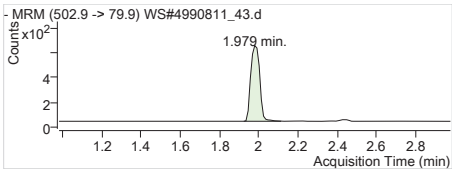


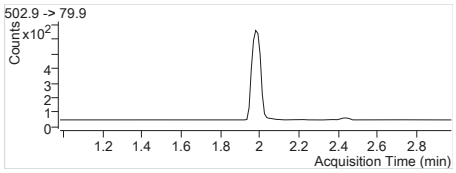
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



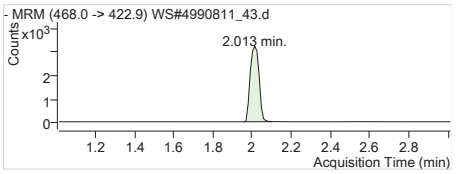


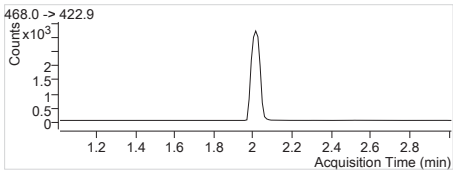
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



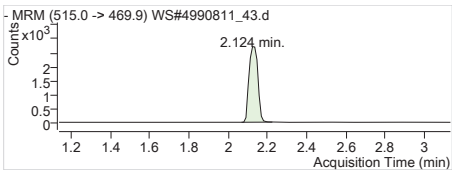


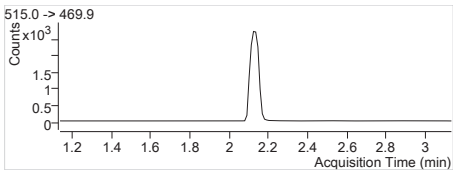
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



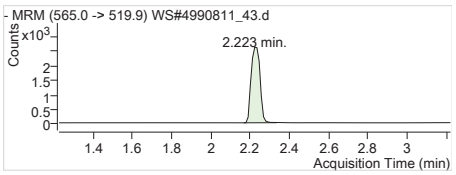


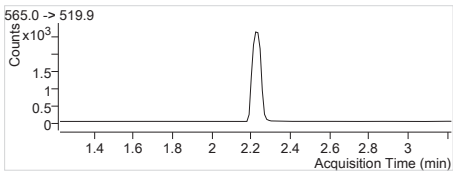
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



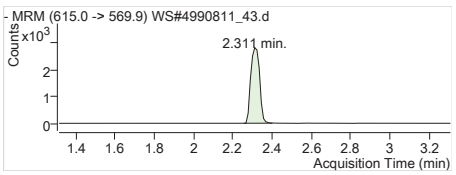


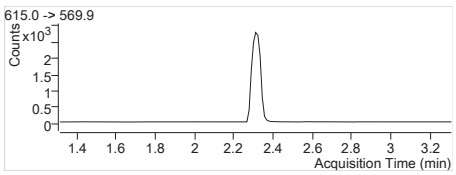
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



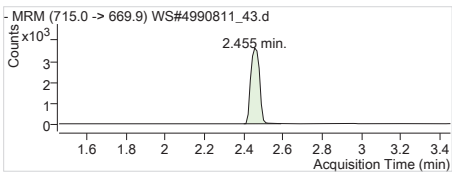


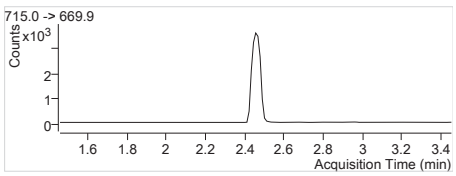
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



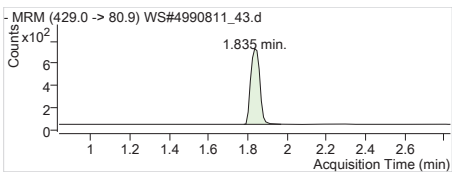


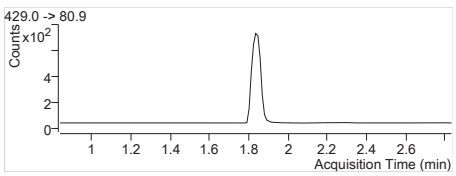
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



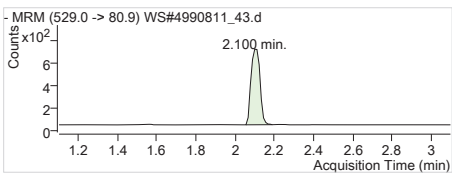


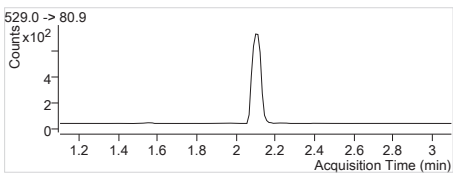
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



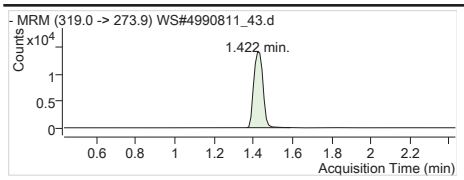


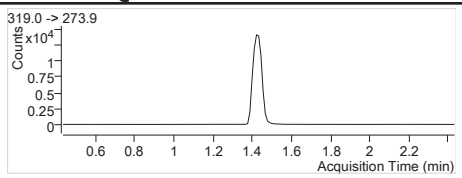
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



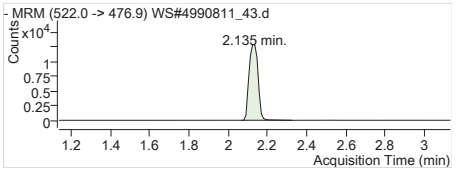


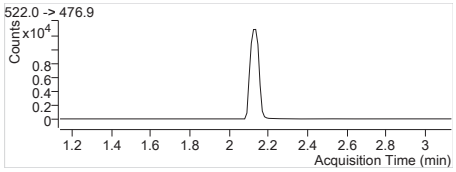
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



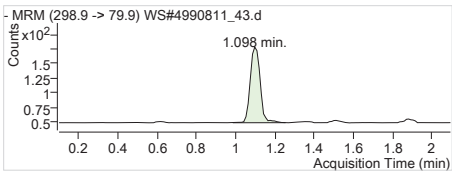


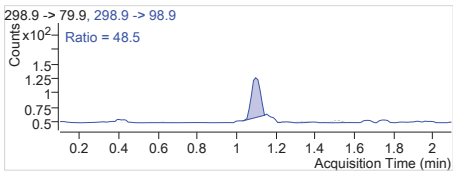
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



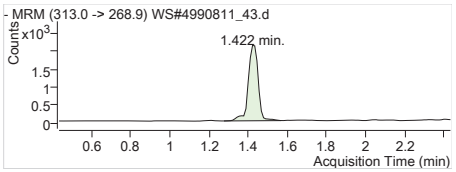


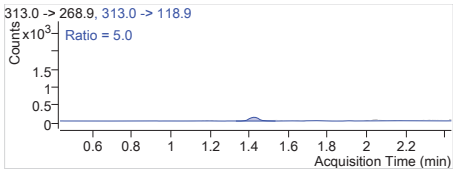
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



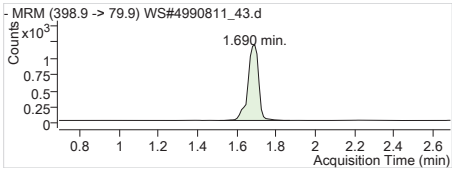


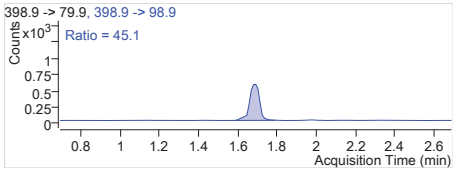
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 0.71 µg/Kg
Area ratio: 0.25959
Sample type: Sample



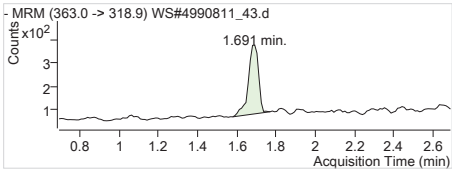


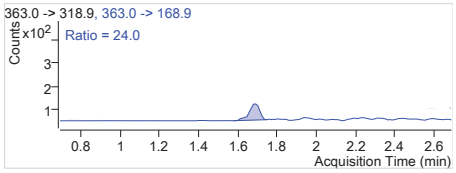
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.422 (1.434)
Calc. conc. 2.38 µg/Kg
Area ratio: 0.79056
Sample type: Sample



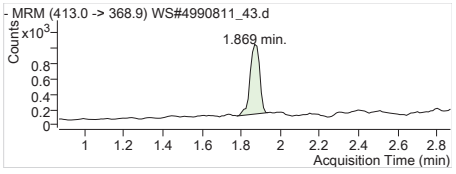


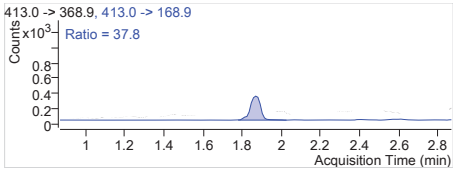
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 6.77 µg/Kg
Area ratio: 2.47517
Sample type: Sample



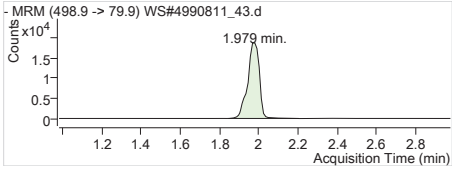


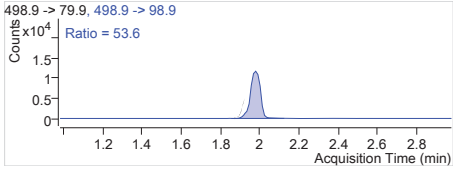
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 0.44 µg/Kg
Area ratio: 0.10224
Sample type: Sample



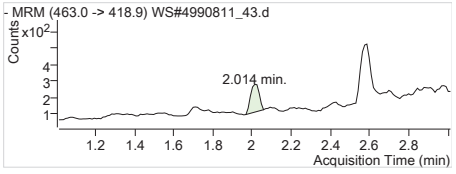


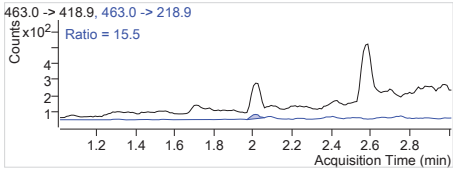
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.97 µg/Kg
Area ratio: 0.32227
Sample type: Sample



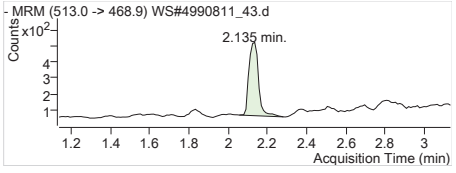


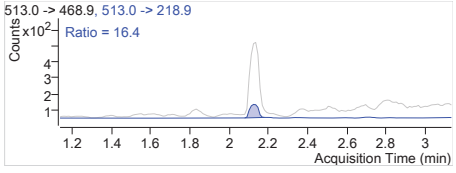
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 139.94 µg/Kg
Area ratio: 39.60358
Sample type: Sample



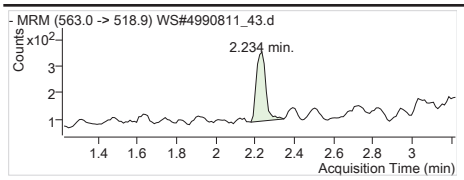


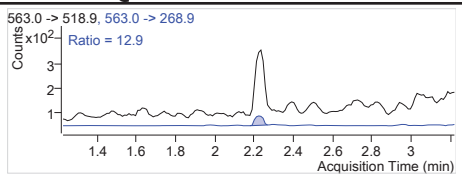
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.18 µg/Kg
Area ratio: 0.05322
Sample type: Sample



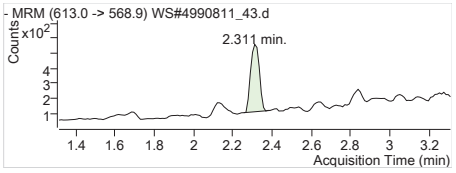


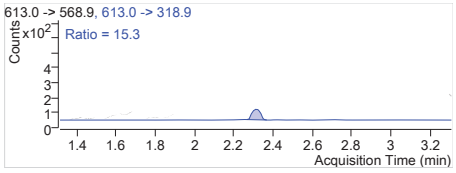
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 0.36 µg/Kg
Area ratio: 0.18340
Sample type: Sample



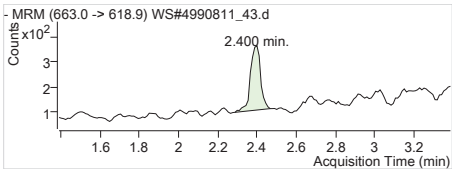


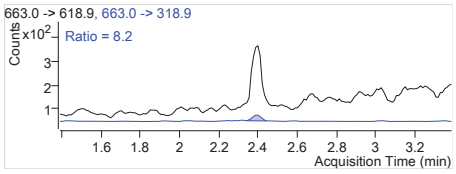
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.234 (2.223)
Calc. conc. 0.40 µg/Kg
Area ratio: 0.10759
Sample type: Sample



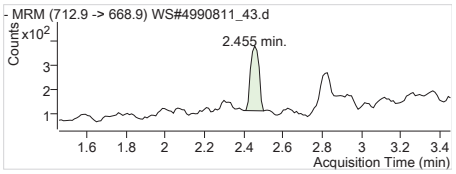


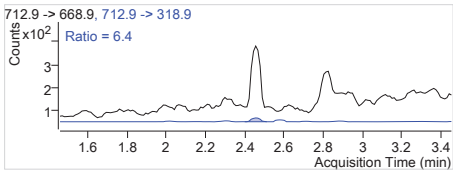
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 0.32 µg/Kg
Area ratio: 0.16238
Sample type: Sample



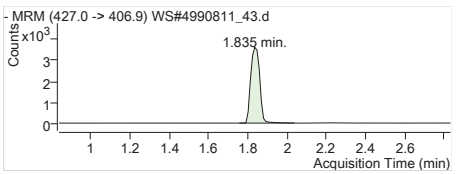


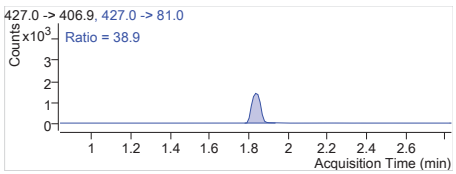
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.400 (2.388)
Calc. conc. 0.25 µg/Kg
Area ratio: 0.08291
Sample type: Sample



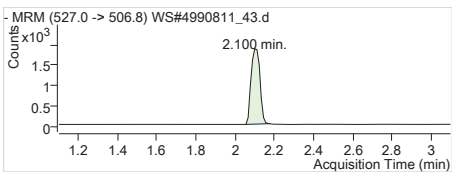


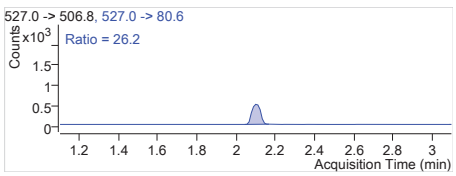
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 0.22 µg/Kg
Area ratio: 0.07233
Sample type: Sample



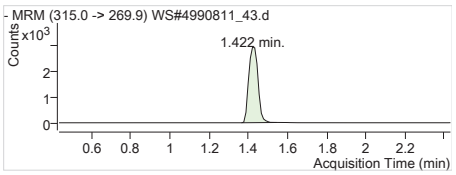


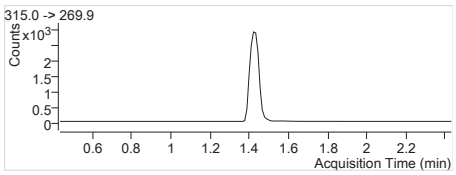
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 16.24 µg/Kg
Area ratio: 5.10267
Sample type: Sample



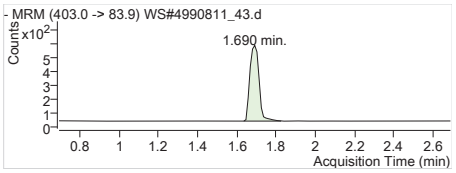


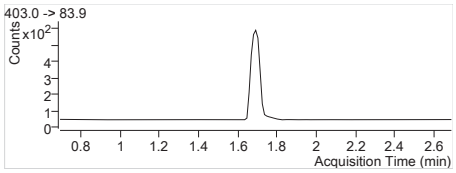
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 9.72 µg/Kg
Area ratio: 2.69940
Sample type: Sample



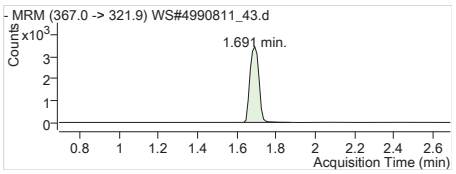


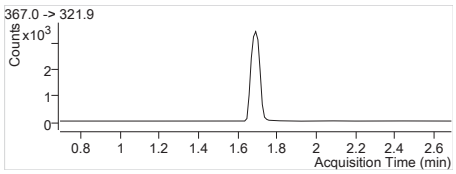
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 107.04 µg/Kg
Area ratio: 0.20614
Sample type: Sample



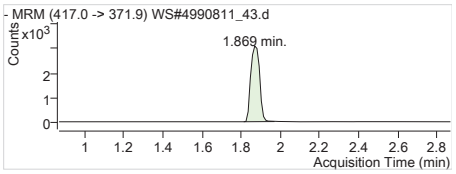


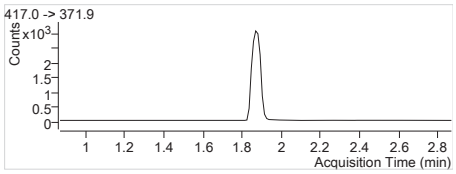
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 108.75 µg/Kg
Area ratio: 0.03881
Sample type: Sample



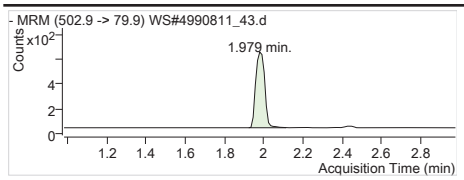


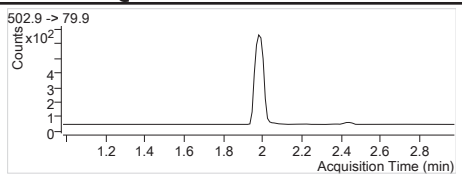
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 112.38 µg/Kg
Area ratio: 0.23611
Sample type: Sample



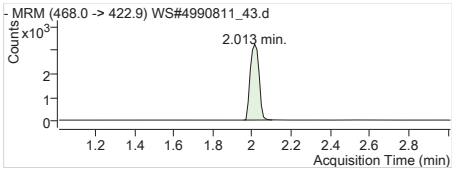


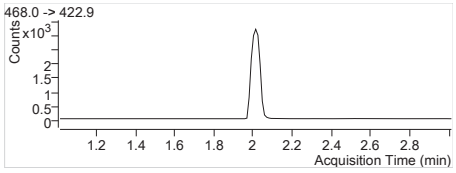
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 103.26 µg/Kg
Area ratio: 0.20927
Sample type: Sample



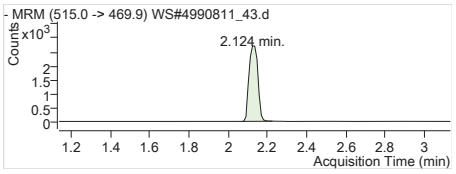


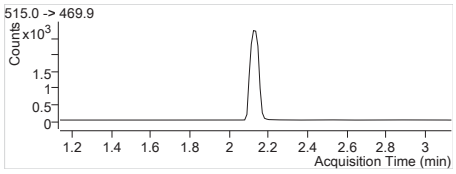
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 97.60 µg/Kg
Area ratio: 0.04282
Sample type: Sample



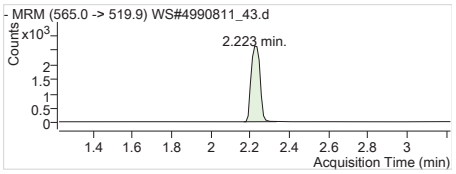


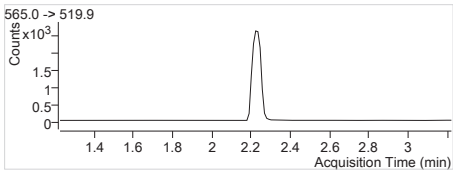
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 107.50 µg/Kg
Area ratio: 0.22020
Sample type: Sample



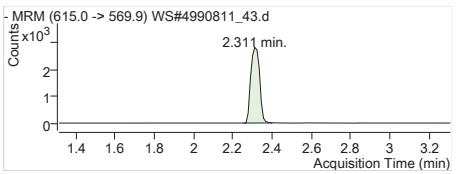


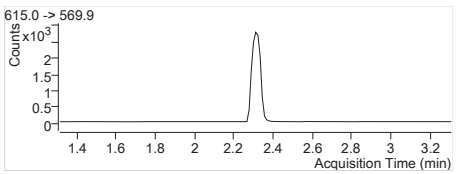
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 110.52 µg/Kg
Area ratio: 0.20713
Sample type: Sample



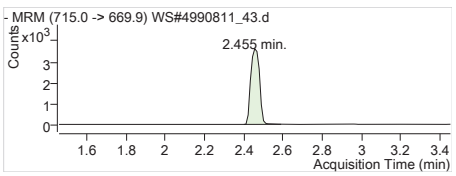


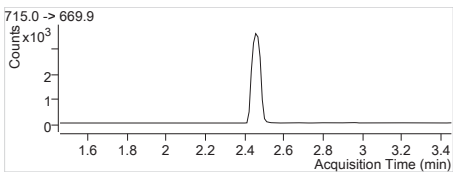
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 92.81 µg/Kg
Area ratio: 0.20062
Sample type: Sample



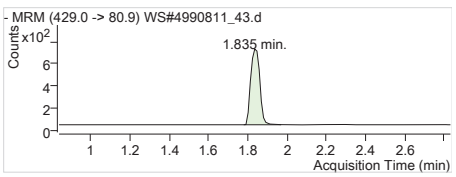


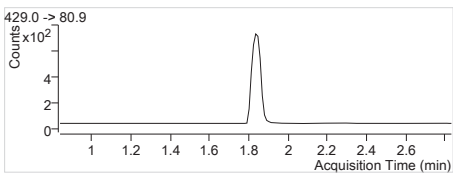
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 85.47 µg/Kg
Area ratio: 0.21187
Sample type: Sample



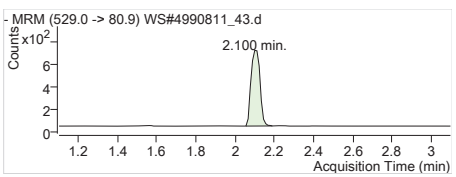


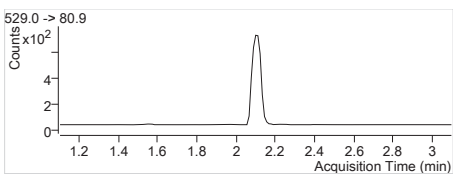
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 89.93 µg/Kg
Area ratio: 0.27397
Sample type: Sample



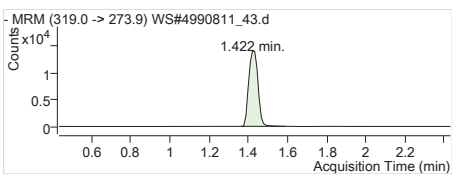


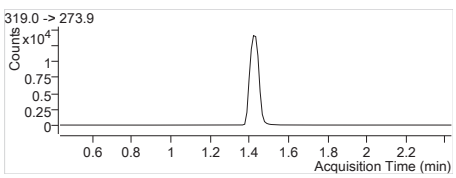
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 99.20 µg/Kg
Area ratio: 0.04843
Sample type: Sample



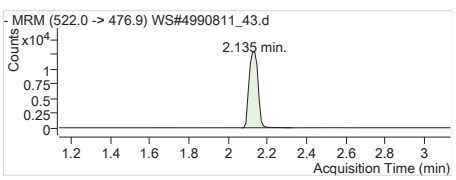


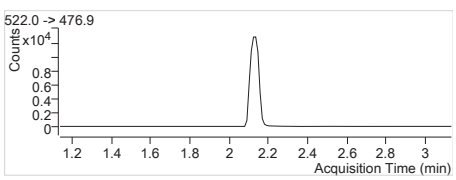
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 93.92 µg/Kg
Area ratio: 0.04729
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 156.96 µg/Kg
Area ratio: 0
Sample type: Sample





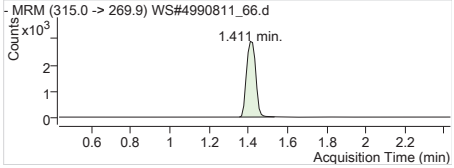
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 154.99 µg/Kg
Area ratio: 0
Sample type: Sample

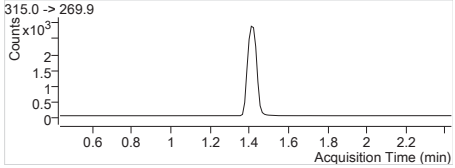
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI425-01**	**Instrument**	LCMS04
Data File	WS#4990811_66.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.387
Acq. Method	PFC_Soil.m	**Position**	P2-D8
Acq. Date	2017/05/25 3:05:43 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjection Reported for all except PFOS.		

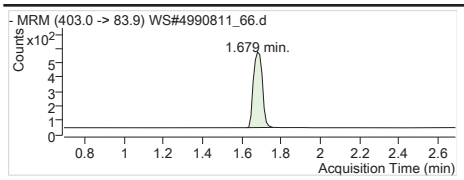
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9305	1.41	1 µg/Kg		
MPFHxS	1669	1.68	1 µg/Kg		
MPFHpA	10670	1.68	1 µg/Kg		
MPFOA	9932	1.87	1 µg/Kg		
MPFOS	1917	1.98	1 µg/Kg		
MPFNA	9718	2.00	1 µg/Kg		
MPFDA	8021	2.12	1 µg/Kg		
MPFUnA	8120	2.22	1 µg/Kg		
MPFDoA	8870	2.31	1 µg/Kg		
MPFTeDA	11010	2.46	1 µg/Kg		
M2 6:2 FTS	2095	1.83	1 µg/Kg		
M2 8:2 FTS	2015	2.10	1 µg/Kg		
13C6-PFHxA IS	43645	1.41	1 µg/Kg		
13C9-PFDA IS	40157	2.12	1 µg/Kg		

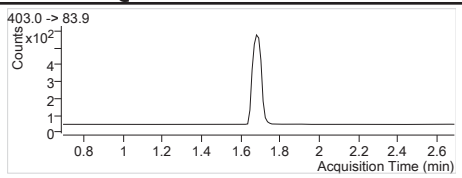
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	473	1.09	-	0.76 µg/Kg	-
PFHxA 1	7210	1.41	-	2.33 µg/Kg	-
PFHxS 1	4142	1.68	-	6.79 µg/Kg	-
PFHpA 1	1128	1.68	-	0.45 µg/Kg	-
PFOA 1	3267	1.87	-	0.99 µg/Kg	-
PFOS 1	78823	1.97	-	145.30 µg/Kg	-
PFNA 1	571	2.01	-	0.20 µg/Kg	-
PFDA 1	1718	2.12	-	0.44 µg/Kg	-
PFUnA 1	953	2.22	-	0.43 µg/Kg	-
PFDoA 1	1383	2.31	-	0.30 µg/Kg	-
PFTrDA 1	864	2.38	-	0.23 µg/Kg	-
PFTeDA 1	674	2.46	-	0.18 µg/Kg	-
6:2-FTS 1	12154	1.84	-	18.48 µg/Kg	-
8:2-FTS 1	5915	2.10	-	10.58 µg/Kg	-
13C2-PFHxA	9305	1.41	-	110.71 µg/Kg	-
18O2-PFHxS	1669	1.68	-	107.14 µg/Kg	-
13C4-PFHpA	10670	1.68	-	116.36 µg/Kg	-
13C4-PFOA	9932	1.87	-	112.28 µg/Kg	-
13C4-PFOS	1917	1.98	-	100.11 µg/Kg	-
13C5-PFNA	9718	2.00	-	108.70 µg/Kg	-
13C2-PFDA	8021	2.12	-	106.57 µg/Kg	-
13C2-PFUnA	8120	2.22	-	93.54 µg/Kg	-
13C2-PFDoA	8870	2.31	-	89.11 µg/Kg	-
13C2-PFTeDA	11010	2.46	-	90.00 µg/Kg	-
13C2-6:2-FTS	2095	1.83	-	98.32 µg/Kg	-
13C2-8:2 FTS	2015	2.10	-	91.69 µg/Kg	-
13C6-PFHxA	43645	1.41	-	150.06 µg/Kg	-
13C9-PFDA	40157	2.12	-	152.84 µg/Kg	-



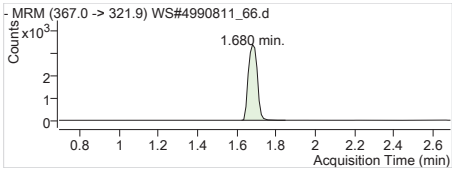


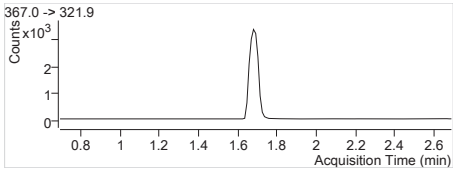
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



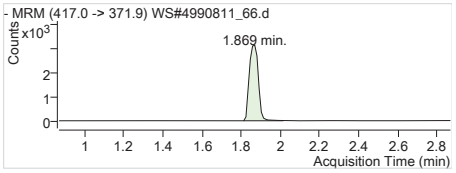


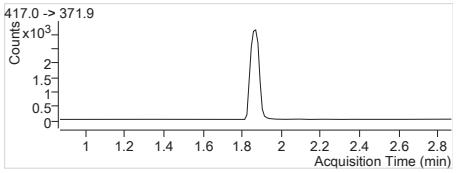
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



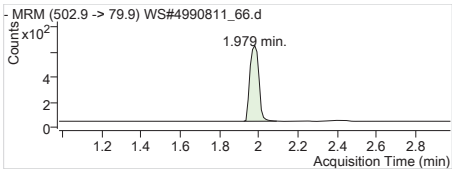


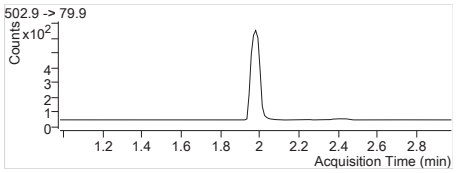
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



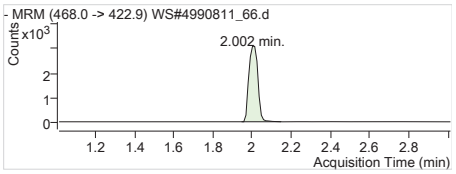


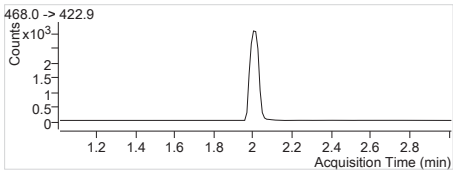
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



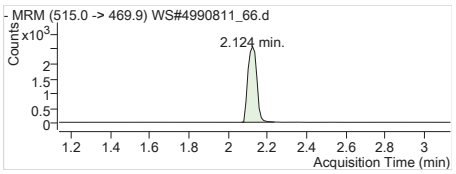


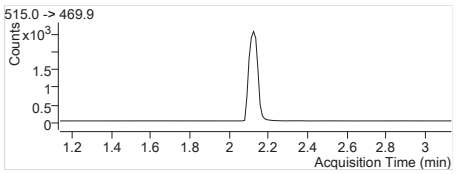
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



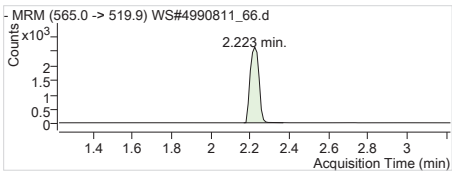


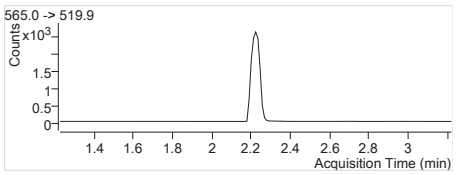
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



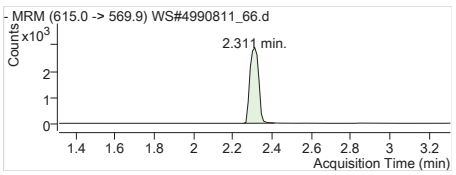


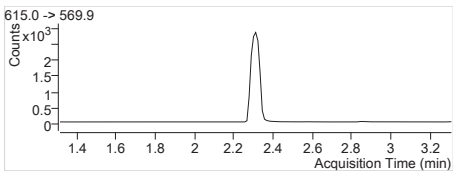
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



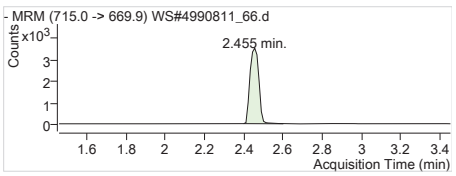


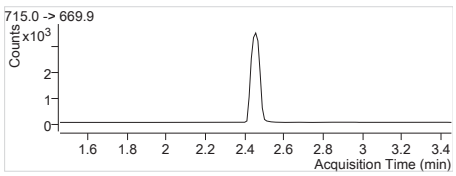
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



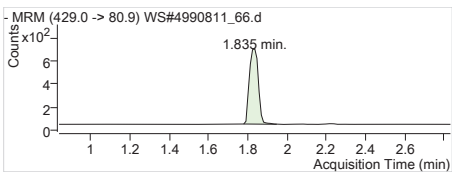


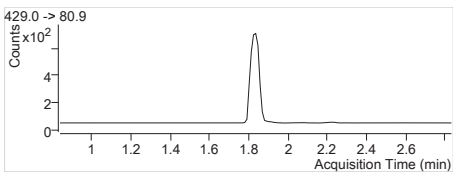
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



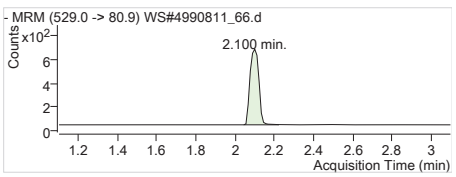


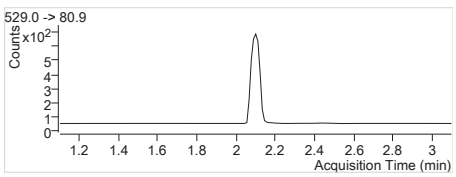
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



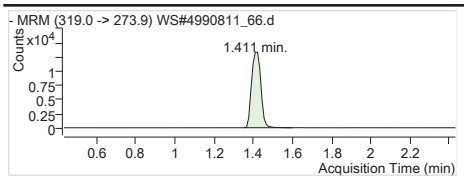


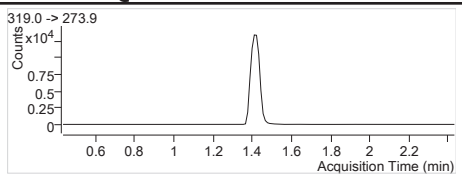
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



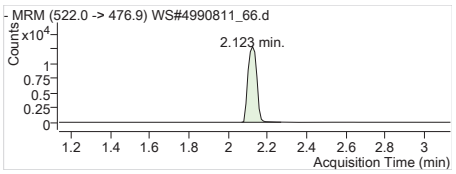


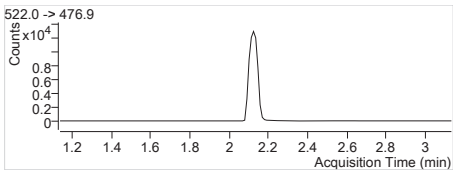
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



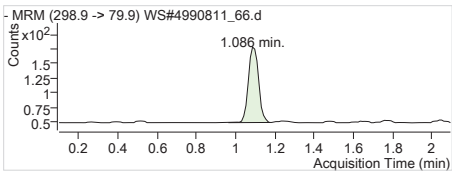


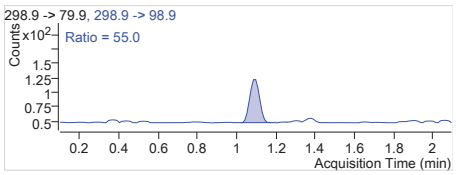
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



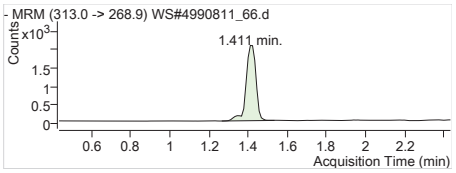


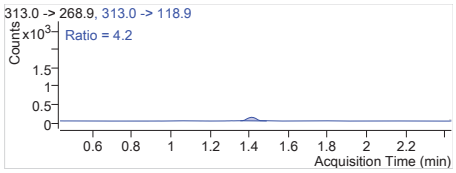
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



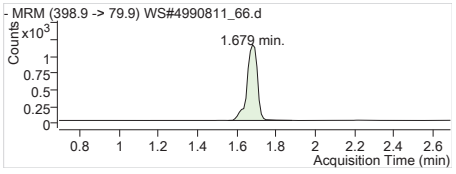


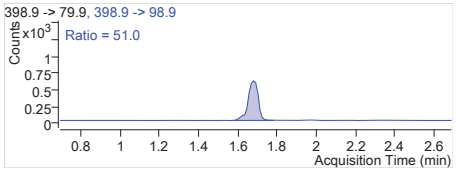
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.086 (1.098)
Calc. conc. 0.76 µg/Kg
Area ratio: 0.28340
Sample type: Sample



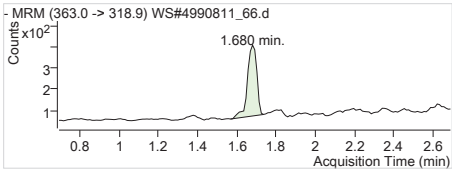


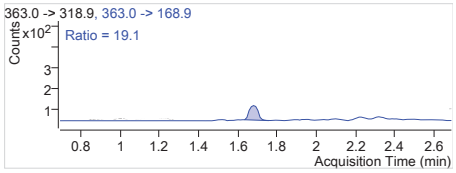
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.411 (1.434)
Calc. conc. 2.33 µg/Kg
Area ratio: 0.77485
Sample type: Sample



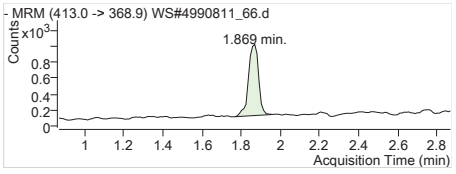


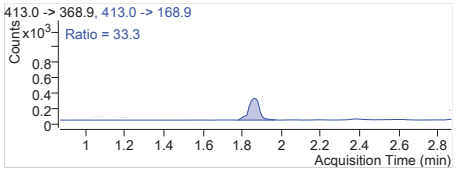
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 6.79 µg/Kg
Area ratio: 2.48173
Sample type: Sample



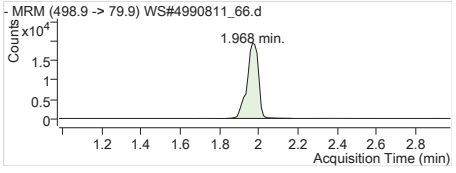


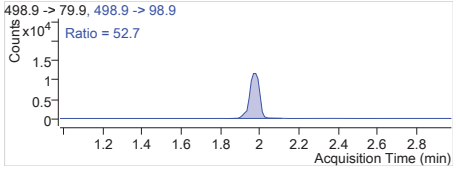
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 0.45 µg/Kg
Area ratio: 0.10572
Sample type: Sample



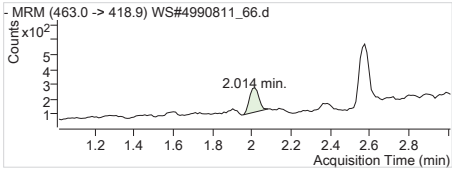


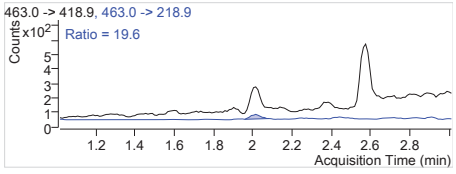
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.99 µg/Kg
Area ratio: 0.32894
Sample type: Sample



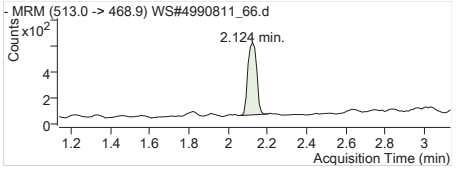


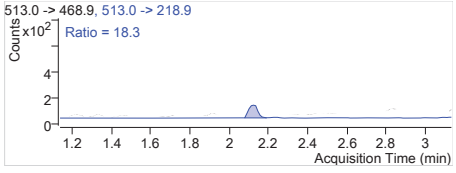
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 145.30 µg/Kg
Area ratio: 41.11789
Sample type: Sample



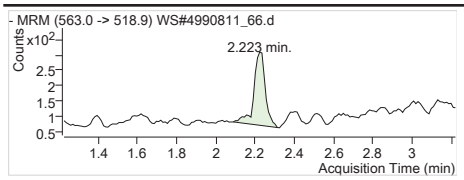


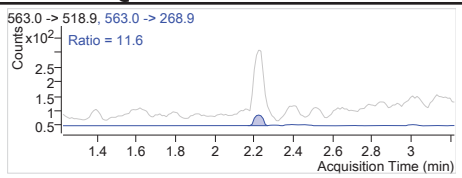
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.20 µg/Kg
Area ratio: 0.05876
Sample type: Sample



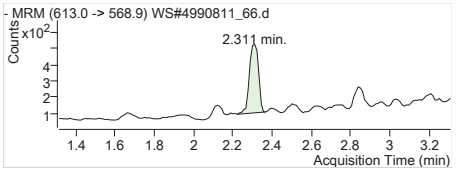


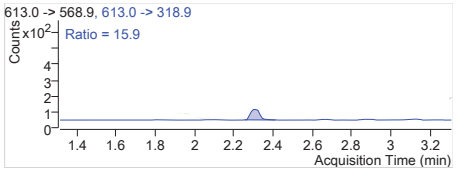
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 0.44 µg/Kg
Area ratio: 0.21419
Sample type: Sample



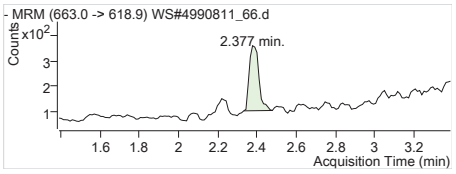


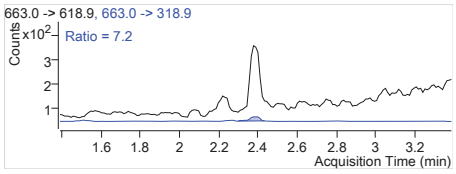
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 0.43 µg/Kg
Area ratio: 0.11736
Sample type: Sample



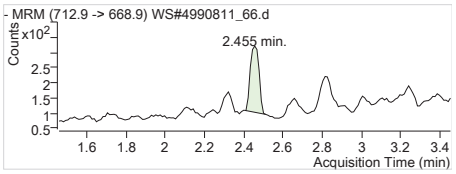


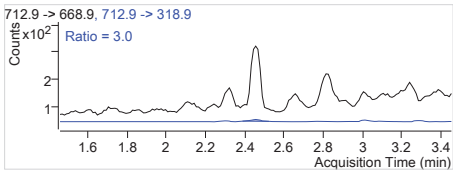
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 0.30 µg/Kg
Area ratio: 0.15592
Sample type: Sample



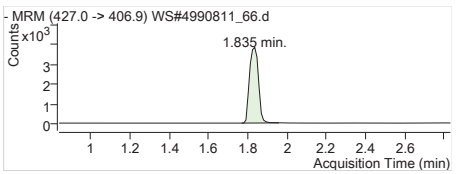


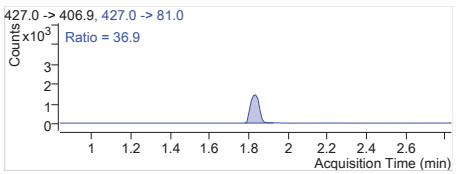
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.377 (2.388)
Calc. conc. 0.23 µg/Kg
Area ratio: 0.07847
Sample type: Sample



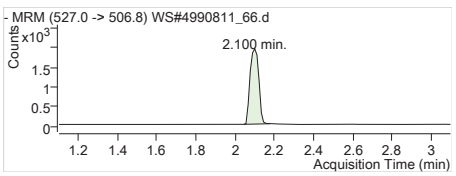


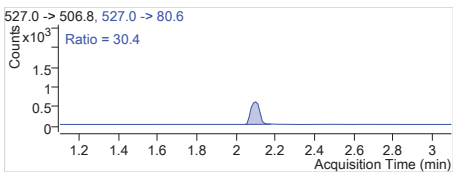
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 0.18 µg/Kg
Area ratio: 0.06122
Sample type: Sample



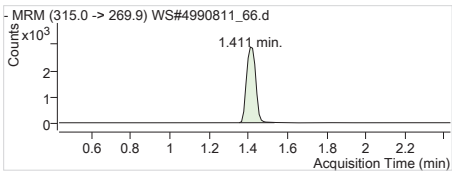


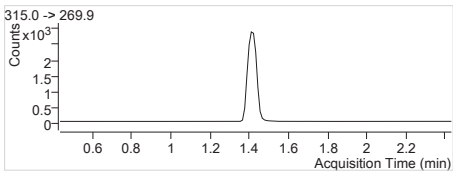
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 18.48 µg/Kg
Area ratio: 5.80143
Sample type: Sample



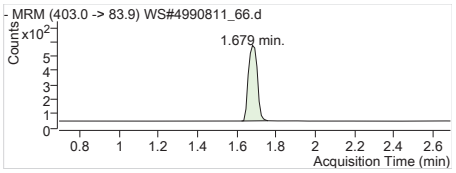


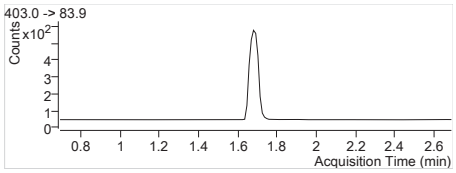
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 10.58 µg/Kg
Area ratio: 2.93548
Sample type: Sample



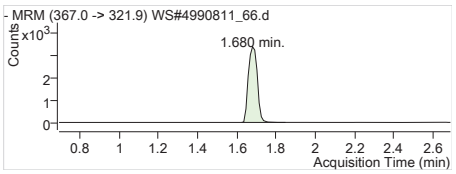


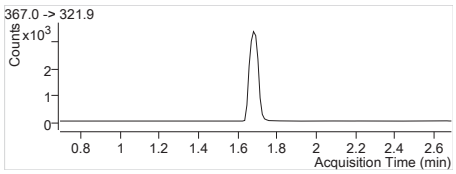
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 110.71 µg/Kg
Area ratio: 0.21320
Sample type: Sample



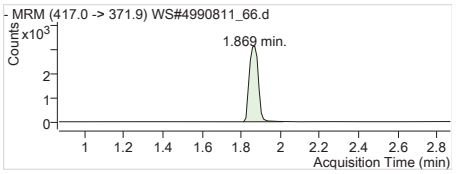


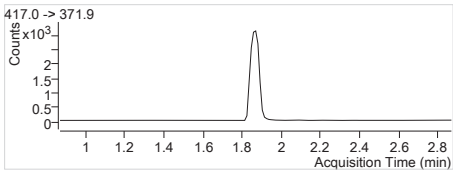
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 107.14 µg/Kg
Area ratio: 0.03824
Sample type: Sample



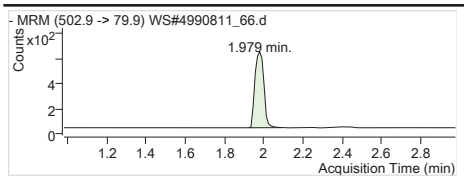


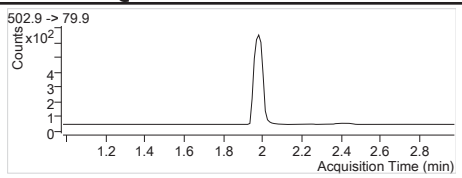
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 116.36 µg/Kg
Area ratio: 0.24447
Sample type: Sample



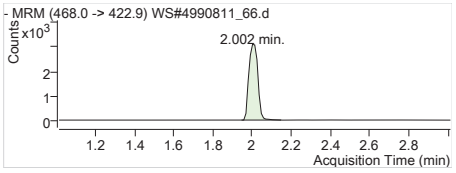


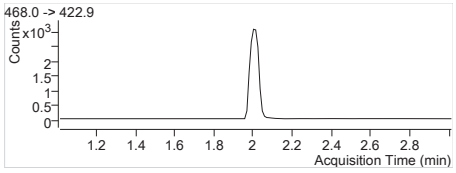
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 112.28 µg/Kg
Area ratio: 0.22756
Sample type: Sample



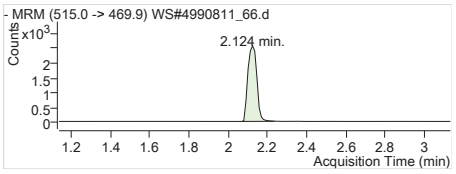


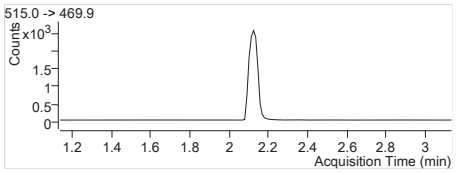
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 100.11 µg/Kg
Area ratio: 0.04392
Sample type: Sample



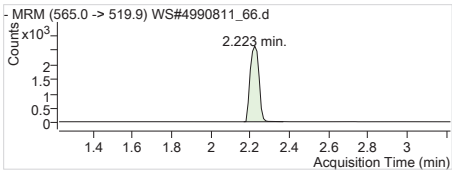


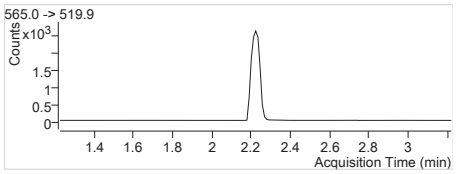
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 108.70 µg/Kg
Area ratio: 0.22266
Sample type: Sample



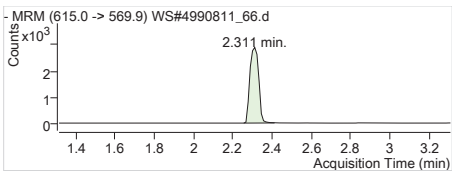


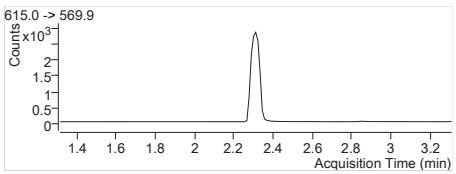
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 106.57 µg/Kg
Area ratio: 0.19974
Sample type: Sample



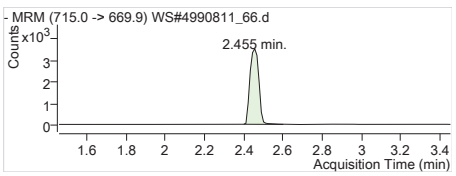


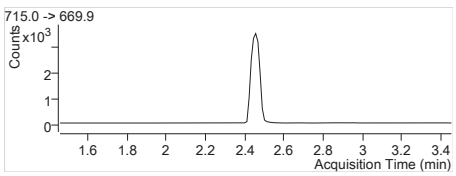
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 93.54 µg/Kg
Area ratio: 0.20221
Sample type: Sample



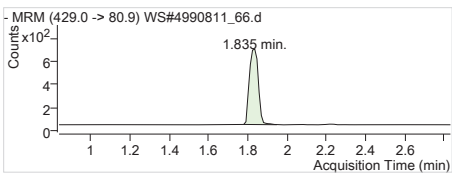


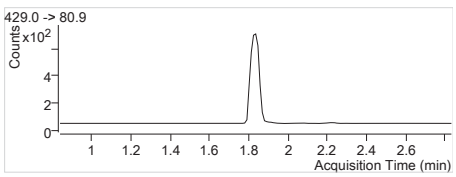
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 89.11 µg/Kg
Area ratio: 0.22088
Sample type: Sample



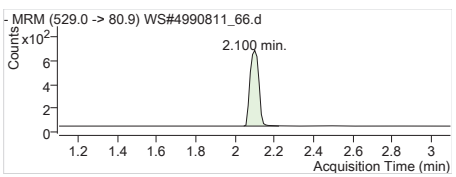


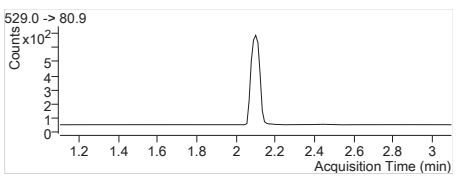
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 90.00 µg/Kg
Area ratio: 0.27417
Sample type: Sample



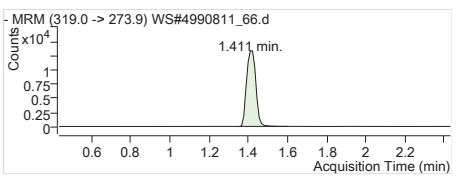


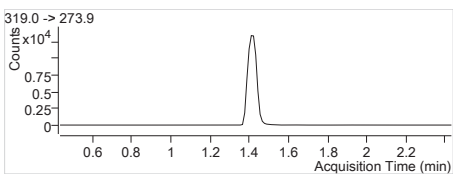
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 98.32 µg/Kg
Area ratio: 0.04800
Sample type: Sample



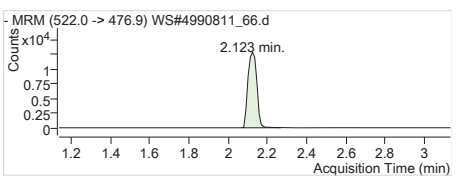


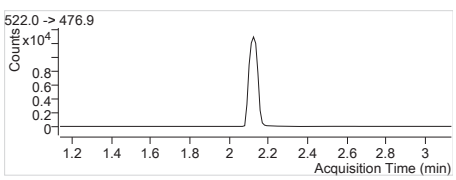
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 91.69 µg/Kg
Area ratio: 0.04617
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 150.06 µg/Kg
Area ratio: 0
Sample type: Sample





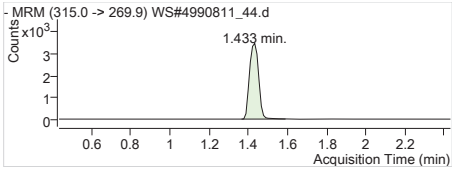
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 152.84 µg/Kg
Area ratio: 0
Sample type: Sample

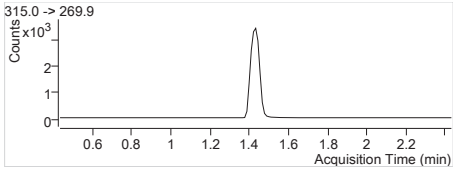
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI428-01**	**Instrument**	LCMS04
Data File	WS#4990811_44.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.321
Acq. Method	PFC_Soil.m	**Position**	P2-D9
Acq. Date	2017/05/24 11:48:31 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjected for carry-over check		

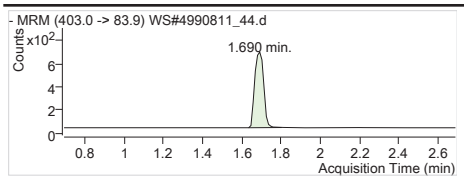
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	11012	1.43	1 µg/Kg		
MPFHxS	2069	1.69	1 µg/Kg		
MPFHpA	13124	1.69	1 µg/Kg		
MPFOA	11727	1.87	1 µg/Kg		
MPFOS	2373	1.98	1 µg/Kg		
MPFNA	11530	2.01	1 µg/Kg		
MPFDA	9544	2.12	1 µg/Kg		
MPFUnA	9774	2.22	1 µg/Kg		
MPFDoA	10098	2.31	1 µg/Kg		
MPFTeDA	12601	2.46	1 µg/Kg		
M2 6:2 FTS	2890	1.83	1 µg/Kg		
M2 8:2 FTS	2754	2.10	1 µg/Kg		
13C6-PFHxA IS	40937	1.43	1 µg/Kg		
13C9-PFDA IS	36044	2.12	1 µg/Kg		

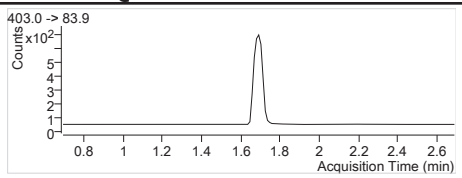
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	2023	1.11	-	2.15 µg/Kg	-
PFHxA 1	14727	1.43	-	3.82 µg/Kg	-
PFHxS 1	22384	1.69	-	27.66 µg/Kg	-
PFHpA 1	4879	1.69	-	1.15 µg/Kg	-
PFOA 1	6380	1.87	-	1.54 µg/Kg	-
PFOS 1	1348	1.96	-	1.91 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	714	1.84	-	0.66 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	11012	1.43	-	139.68 µg/Kg	-
18O2-PFHxS	2069	1.69	-	141.61 µg/Kg	-
13C4-PFHpA	13124	1.69	-	152.59 µg/Kg	-
13C4-PFOA	11727	1.87	-	141.34 µg/Kg	-
13C4-PFOS	2373	1.98	-	132.12 µg/Kg	-
13C5-PFNA	11530	2.01	-	137.49 µg/Kg	-
13C2-PFDA	9544	2.12	-	141.28 µg/Kg	-
13C2-PFUnA	9774	2.22	-	125.44 µg/Kg	-
13C2-PFDoA	10098	2.31	-	113.02 µg/Kg	-
13C2-PFTeDA	12601	2.46	-	114.75 µg/Kg	-
13C2-6:2-FTS	2890	1.83	-	144.60 µg/Kg	-
13C2-8:2 FTS	2754	2.10	-	133.60 µg/Kg	-
13C6-PFHxA	40937	1.43	-	134.05 µg/Kg	-
13C9-PFDA	36044	2.12	-	130.65 µg/Kg	-



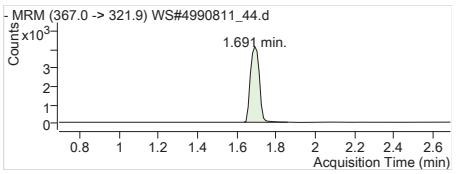


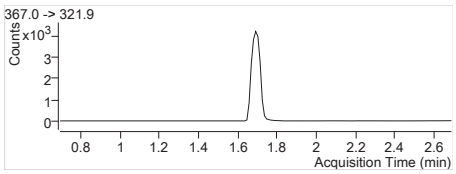
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



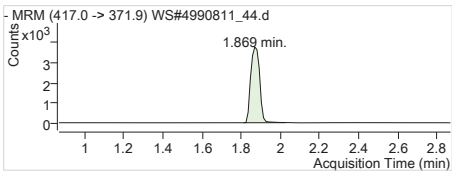


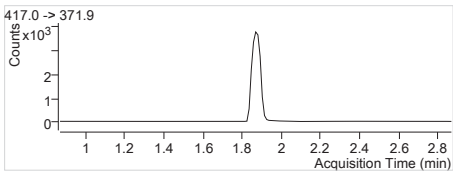
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



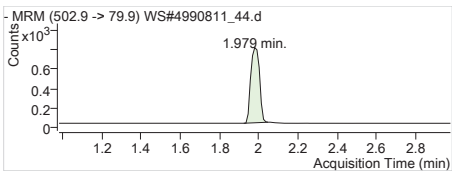


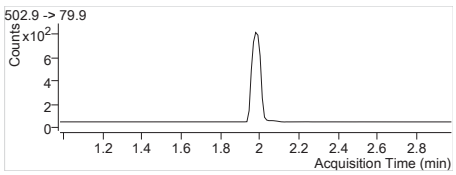
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



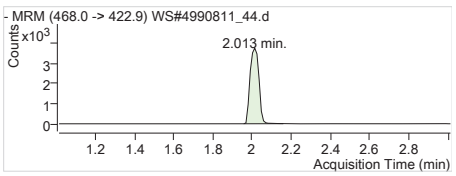


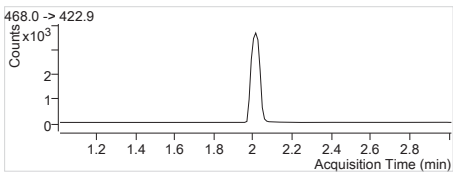
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



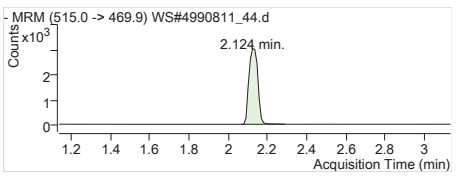


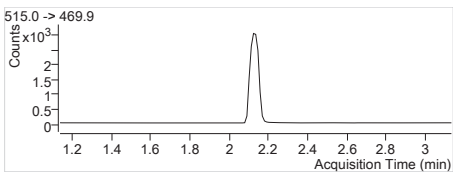
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



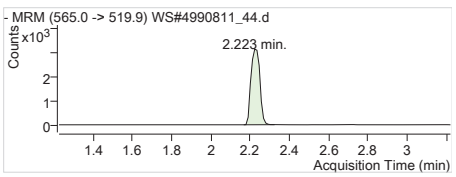


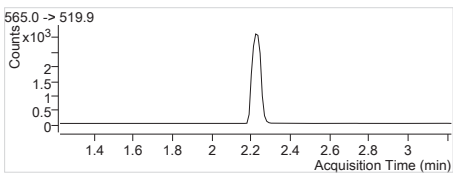
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



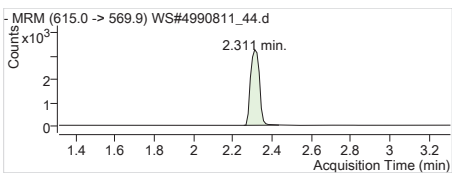


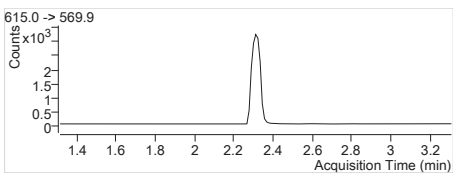
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



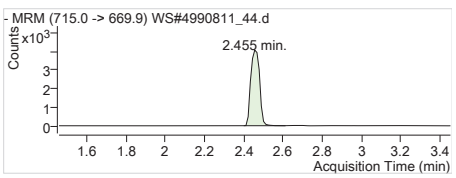


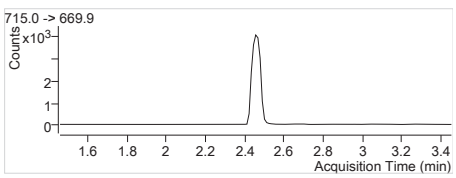
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



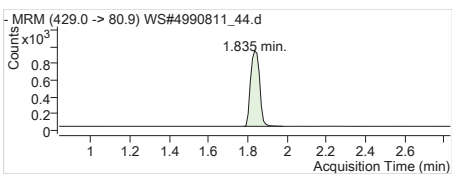


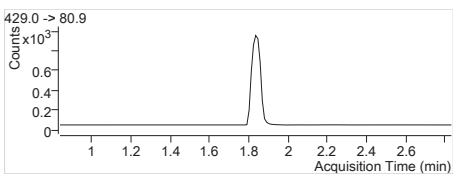
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



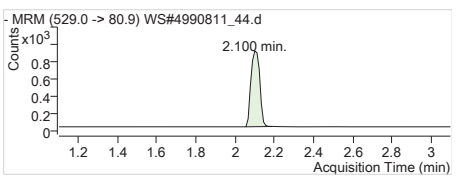


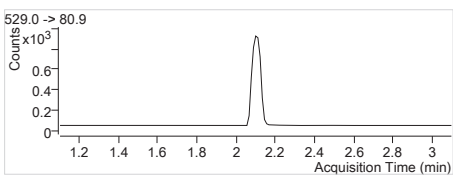
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



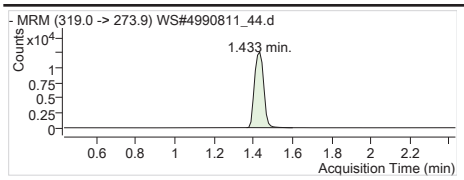


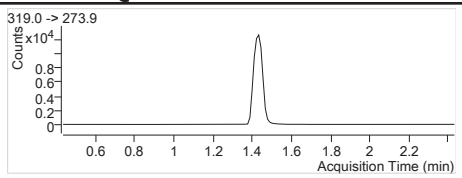
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



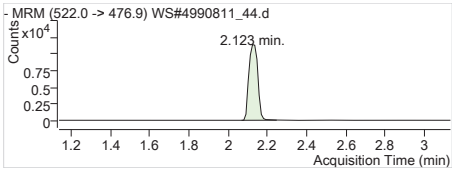


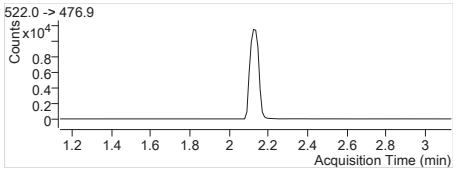
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



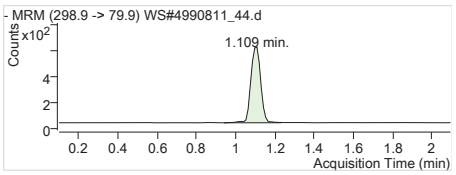


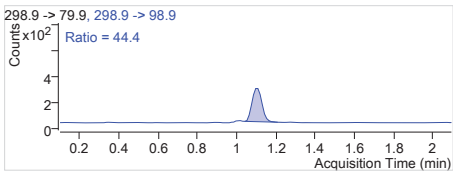
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



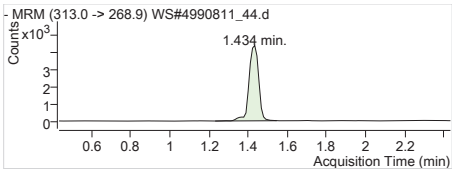


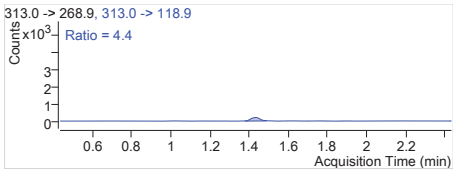
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



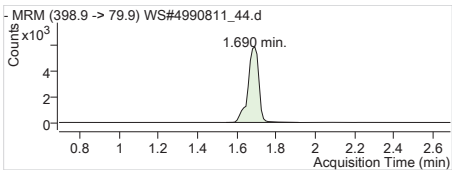


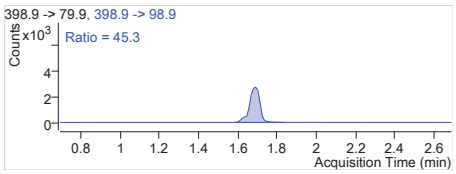
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.109 (1.098)
Calc. conc. 2.15 µg/Kg
Area ratio: 0.97777
Sample type: Sample



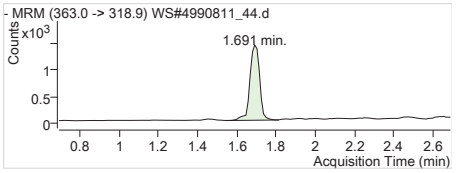


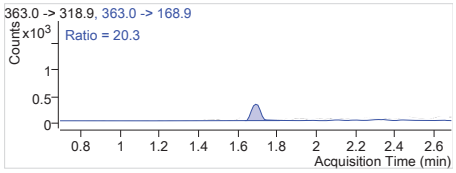
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 3.82 µg/Kg
Area ratio: 1.33736
Sample type: Sample



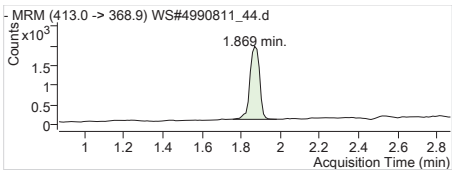


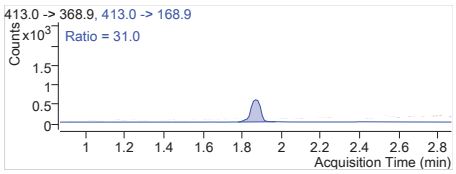
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 27.66 µg/Kg
Area ratio: 10.81875
Sample type: Sample



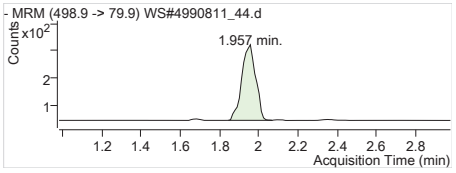


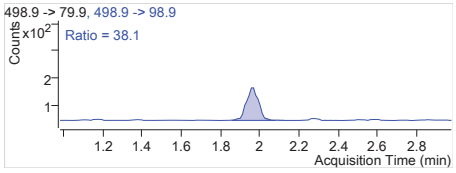
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 1.15 µg/Kg
Area ratio: 0.37176
Sample type: Sample



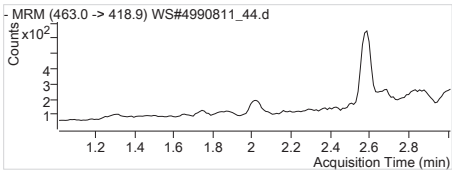


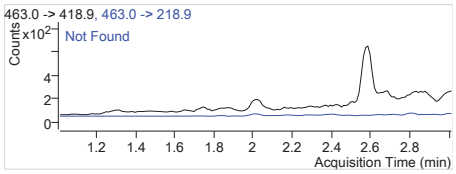
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 1.54 µg/Kg
Area ratio: 0.54404
Sample type: Sample



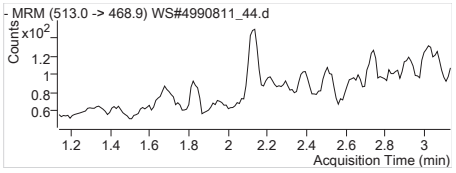


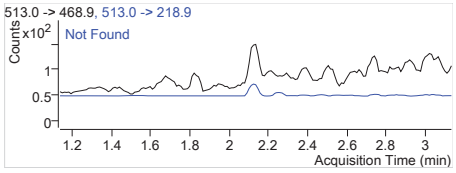
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.957 (1.979)
Calc. conc. 1.91 µg/Kg
Area ratio: 0.56806
Sample type: Sample



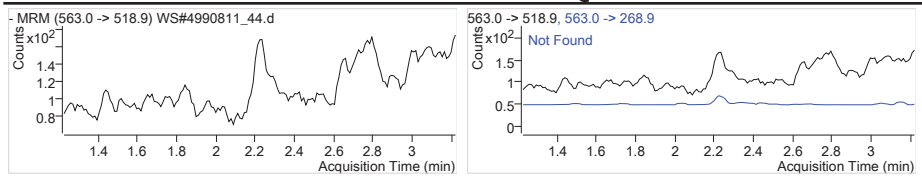


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

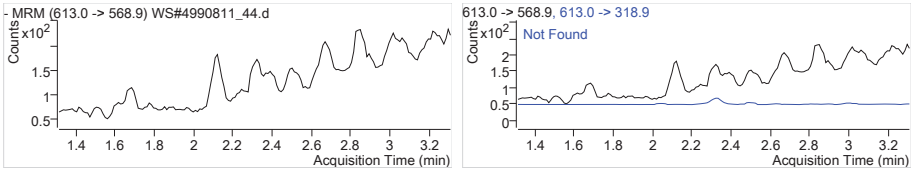




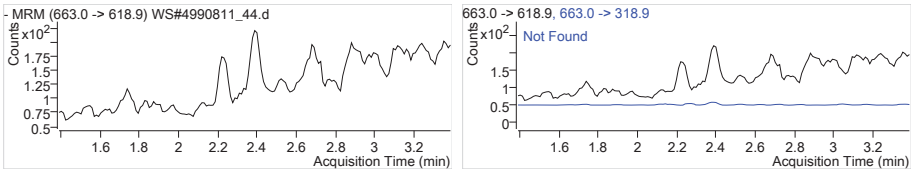
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



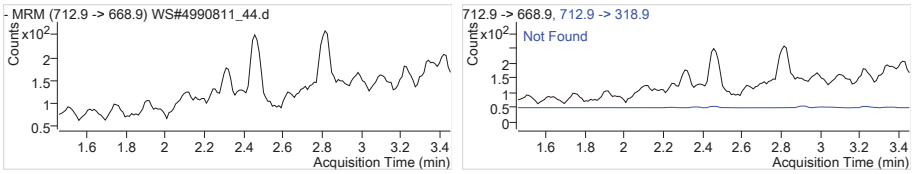
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



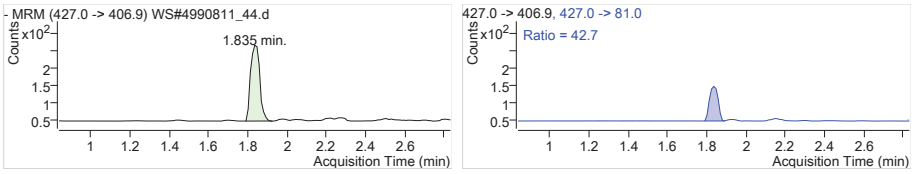
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



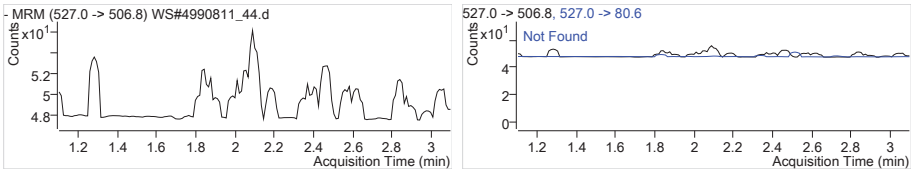
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



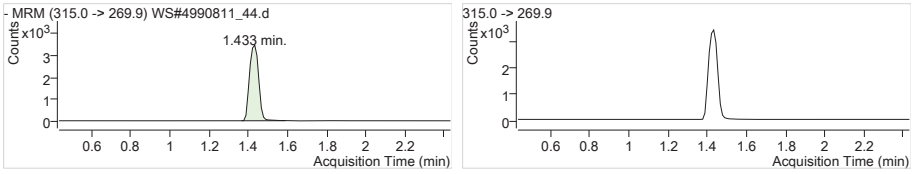
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



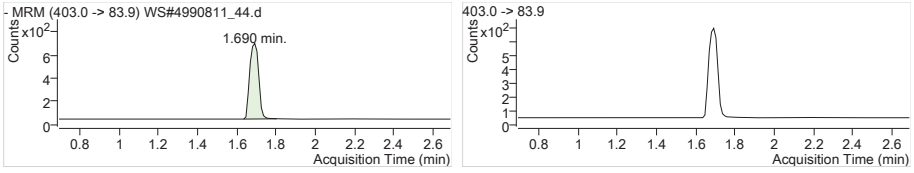
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 0.66 µg/Kg
Area ratio: 0.24706
Sample type: Sample



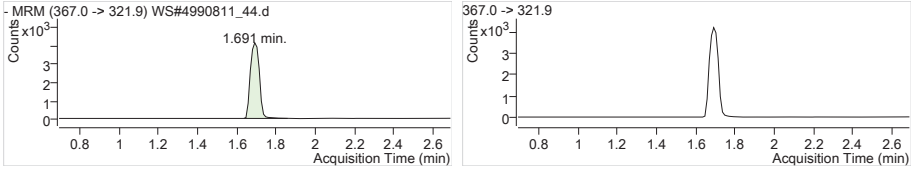
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



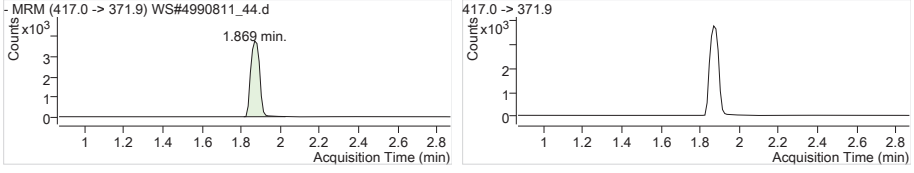
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 139.68 µg/Kg
Area ratio: 0.26900
Sample type: Sample



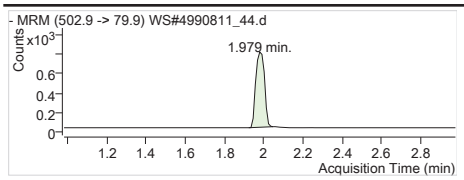
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 141.61 µg/Kg
Area ratio: 0.05054
Sample type: Sample

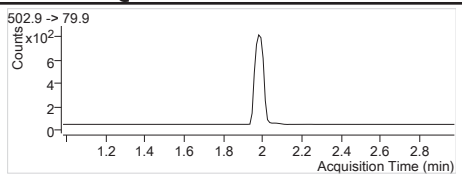


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 152.59 µg/Kg
Area ratio: 0.32059
Sample type: Sample

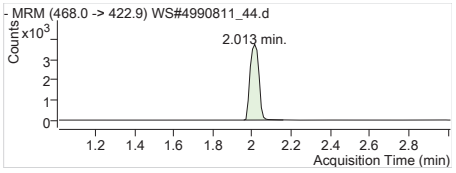


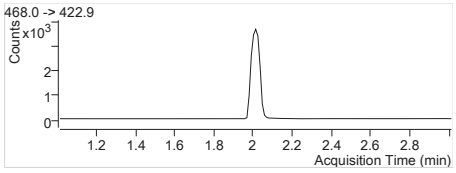
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 141.34 µg/Kg
Area ratio: 0.28646
Sample type: Sample



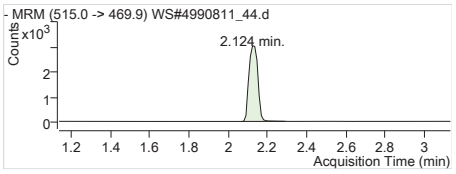


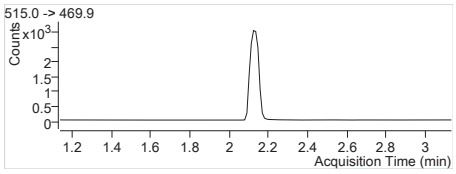
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	132.12 µg/Kg
Area ratio:	0.05797
Sample type:	Sample



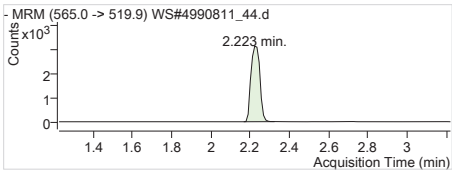


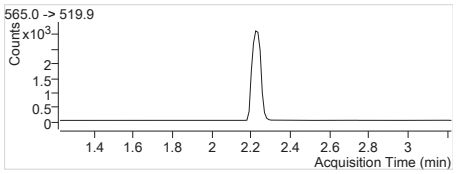
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	137.49 µg/Kg
Area ratio:	0.28165
Sample type:	Sample



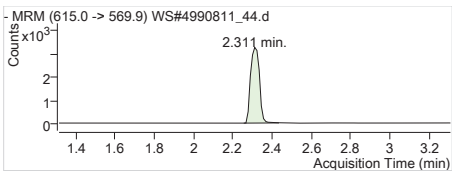


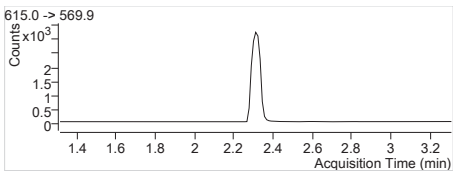
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.124 (2.135)
Calc. conc.	141.28 µg/Kg
Area ratio:	0.26479
Sample type:	Sample



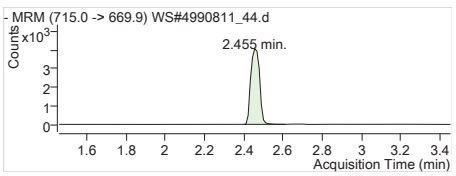


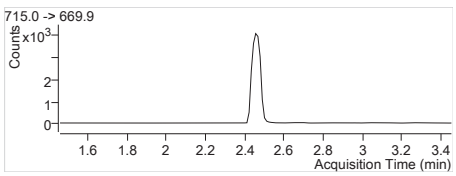
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	125.44 µg/Kg
Area ratio:	0.27117
Sample type:	Sample



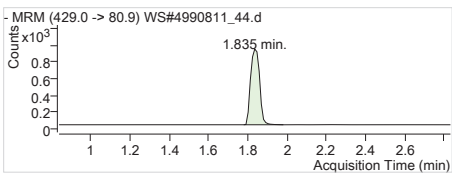


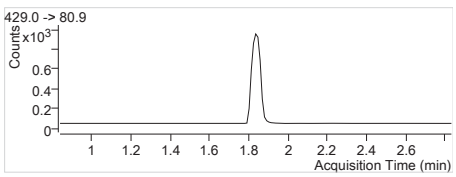
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	113.02 µg/Kg
Area ratio:	0.28016
Sample type:	Sample



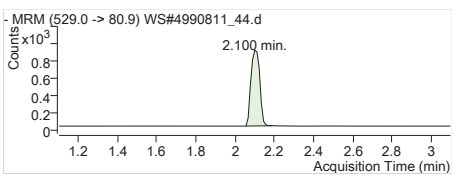


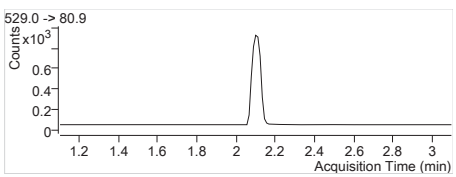
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	114.75 µg/Kg
Area ratio:	0.34960
Sample type:	Sample



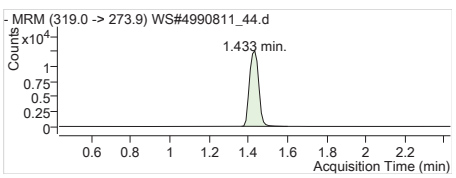


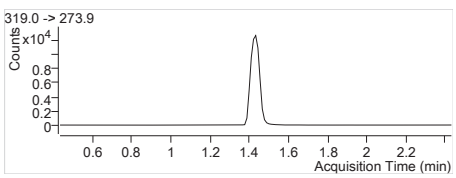
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	144.60 µg/Kg
Area ratio:	0.07060
Sample type:	Sample



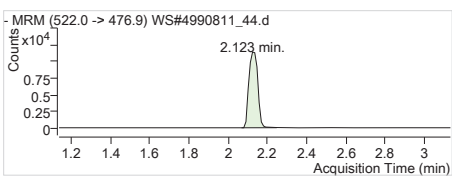


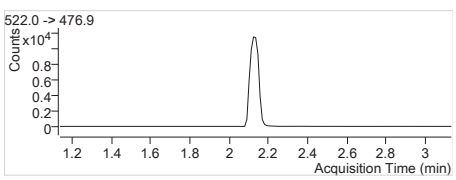
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	133.60 µg/Kg
Area ratio:	0.06727
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	134.05 µg/Kg
Area ratio:	0
Sample type:	Sample





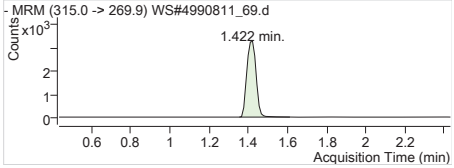
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.134)
Calc. conc.	130.65 µg/Kg
Area ratio:	0
Sample type:	Sample

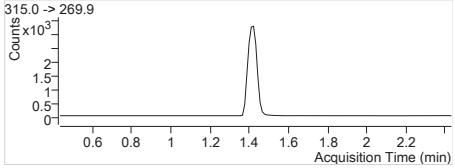
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI428-01**	**Instrument**	LCMS04
Data File	WS#4990811_69.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.321
Acq. Method	PFC_Soil.m	**Position**	P2-D9
Acq. Date	2017/05/25 3:20:25 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjection reported.		

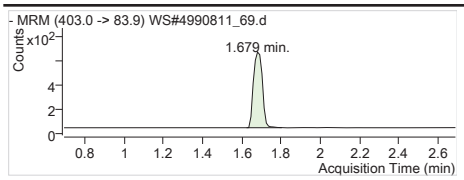
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	10655	1.42	1 µg/Kg		
MPFHxS	1954	1.68	1 µg/Kg		
MPFHpA	12457	1.68	1 µg/Kg		
MPFOA	12347	1.87	1 µg/Kg		
MPFOS	2461	1.98	1 µg/Kg		
MPFNA	10883	2.01	1 µg/Kg		
MPFDA	9622	2.12	1 µg/Kg		
MPFUnA	9831	2.22	1 µg/Kg		
MPFDoA	9832	2.31	1 µg/Kg		
MPFTeDA	12108	2.46	1 µg/Kg		
M2 6:2 FTS	2932	1.83	1 µg/Kg		
M2 8:2 FTS	2586	2.10	1 µg/Kg		
13C6-PFHxA IS	40219	1.42	1 µg/Kg		
13C9-PFDA IS	37457	2.12	1 µg/Kg		

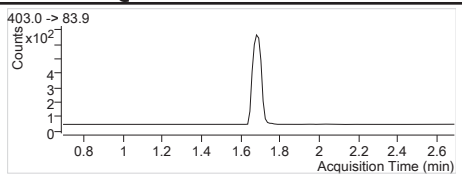
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	2176	1.10	-	2.43 µg/Kg	-
PFHxA 1	14243	1.42	-	3.81 µg/Kg	-
PFHxS 1	22364	1.68	-	29.25 µg/Kg	-
PFHpA 1	4663	1.68	-	1.16 µg/Kg	-
PFOA 1	6619	1.87	-	1.52 µg/Kg	-
PFOS 1	1302	1.95	-	1.78 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	868	1.84	-	0.81 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	10655	1.42	-	137.57 µg/Kg	-
18O2-PFHxS	1954	1.68	-	136.12 µg/Kg	-
13C4-PFHpA	12457	1.68	-	147.42 µg/Kg	-
13C4-PFOA	12347	1.87	-	151.47 µg/Kg	-
13C4-PFOS	2461	1.98	-	139.46 µg/Kg	-
13C5-PFNA	10883	2.01	-	132.09 µg/Kg	-
13C2-PFDA	9622	2.12	-	137.06 µg/Kg	-
13C2-PFUnA	9831	2.22	-	121.41 µg/Kg	-
13C2-PFDoA	9832	2.31	-	105.89 µg/Kg	-
13C2-PFTeDA	12108	2.46	-	106.10 µg/Kg	-
13C2-6:2-FTS	2932	1.83	-	149.32 µg/Kg	-
13C2-8:2 FTS	2586	2.10	-	127.69 µg/Kg	-
13C6-PFHxA	40219	1.42	-	131.70 µg/Kg	-
13C9-PFDA	37457	2.12	-	135.78 µg/Kg	-



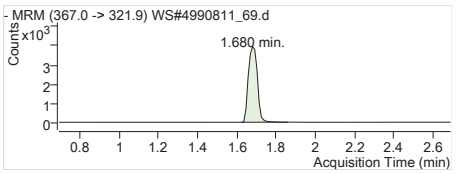


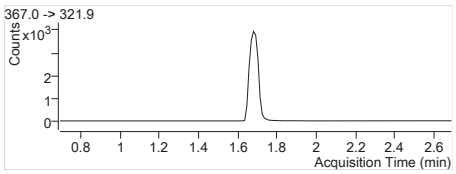
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



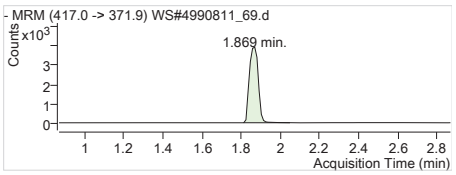


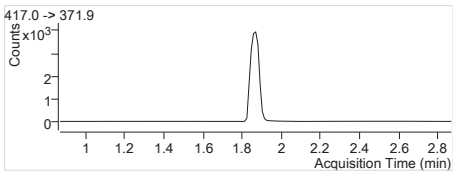
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



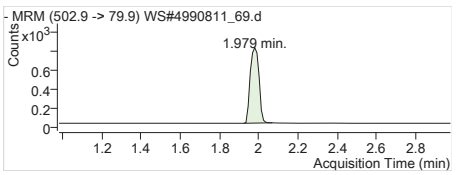


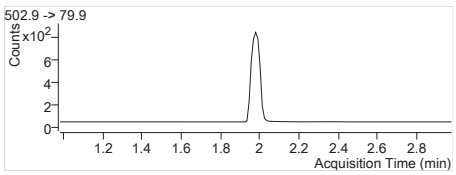
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



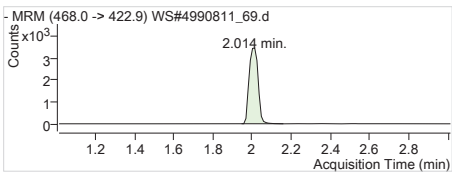


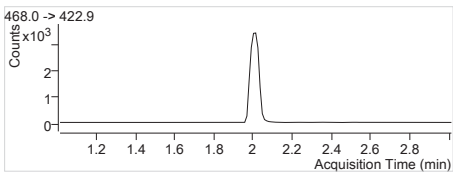
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



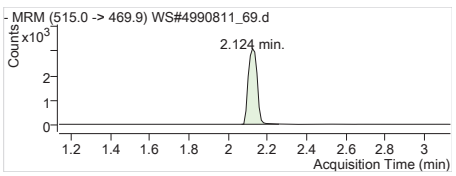


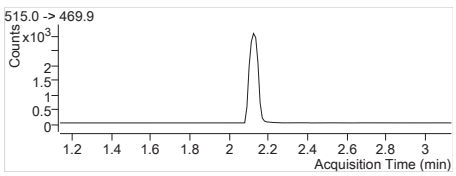
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



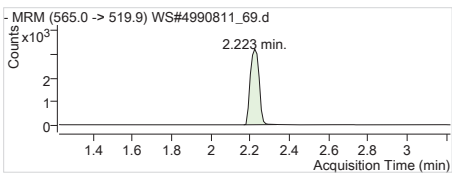


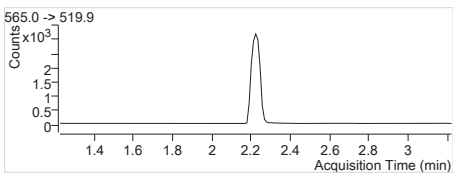
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



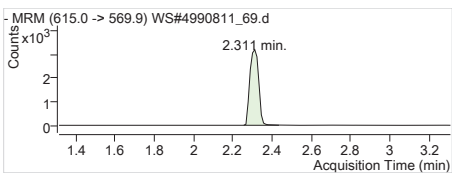


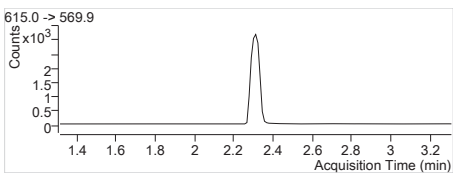
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



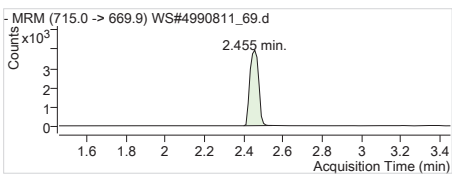


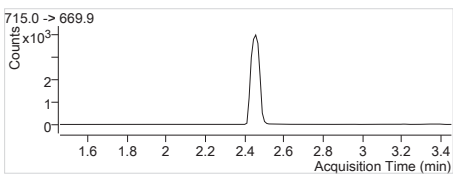
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



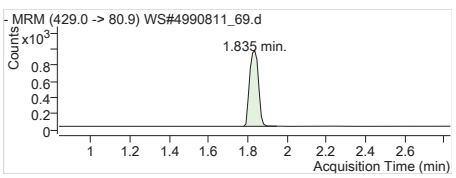


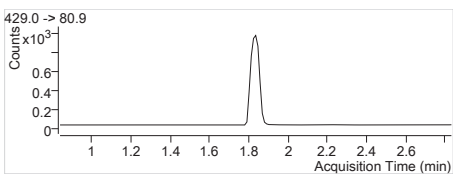
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



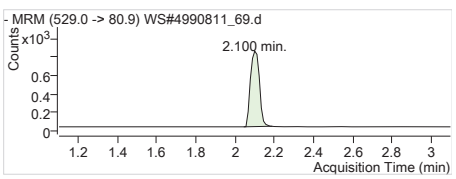


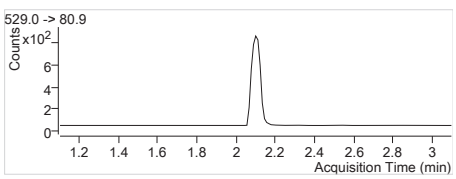
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



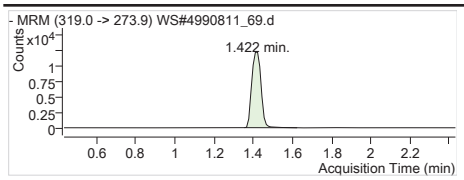


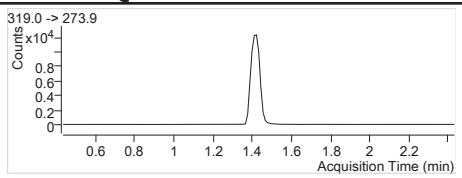
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



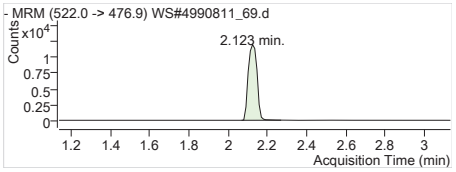


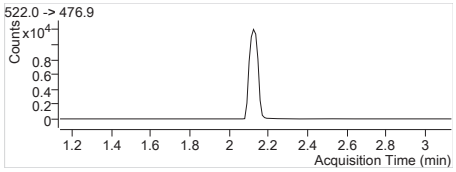
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



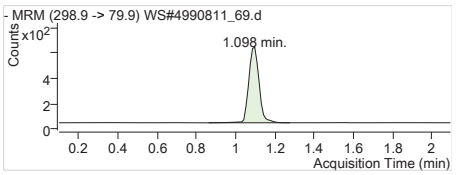


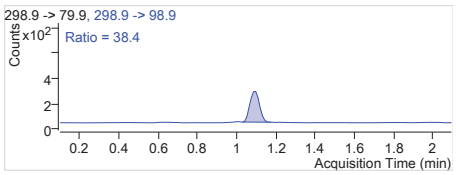
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



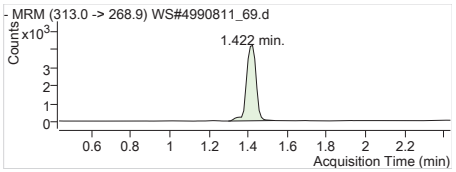


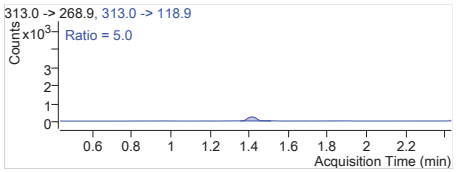
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



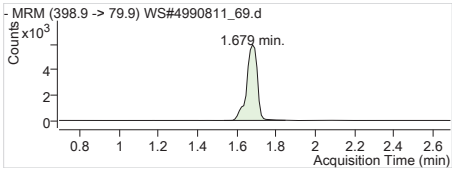


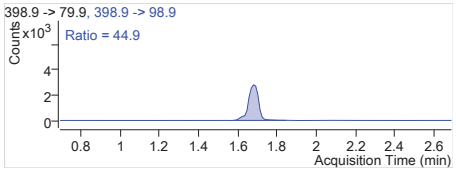
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 2.43 µg/Kg
Area ratio: 1.11361
Sample type: Sample



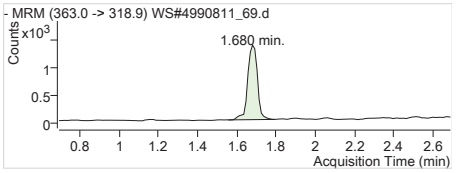


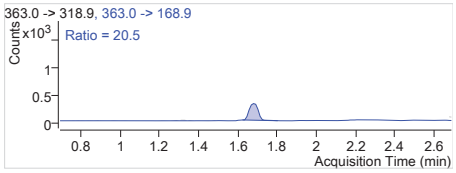
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.422 (1.434)
Calc. conc. 3.81 µg/Kg
Area ratio: 1.33674
Sample type: Sample



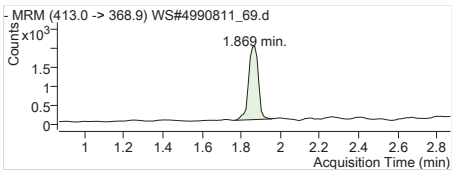


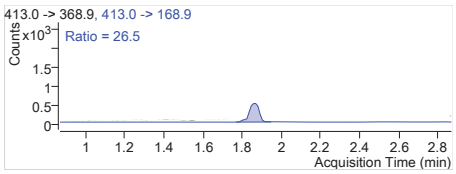
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 29.25 µg/Kg
Area ratio: 11.44524
Sample type: Sample



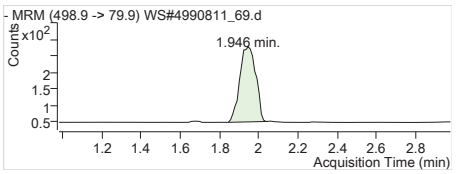


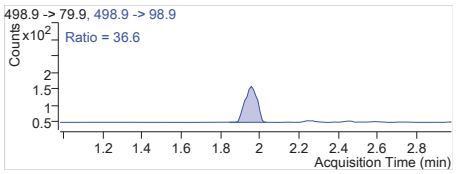
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 1.16 µg/Kg
Area ratio: 0.37433
Sample type: Sample



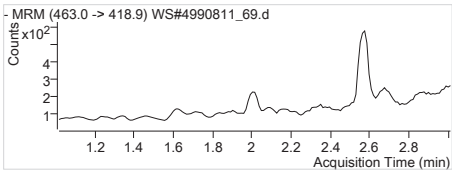


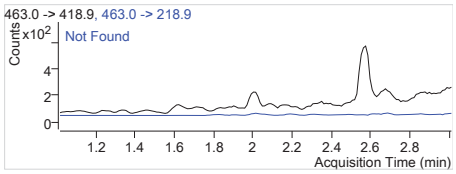
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 1.52 µg/Kg
Area ratio: 0.53608
Sample type: Sample



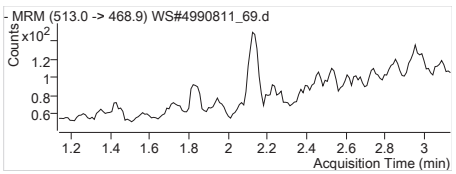


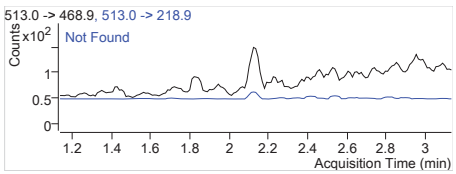
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.946 (1.979)
Calc. conc. 1.78 µg/Kg
Area ratio: 0.52905
Sample type: Sample



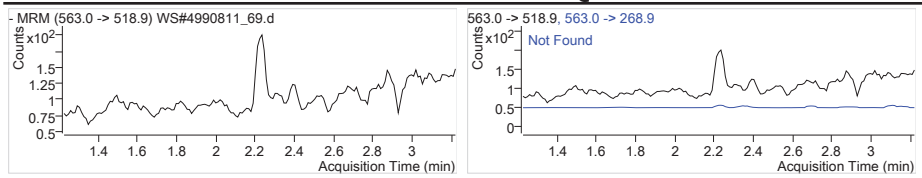


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

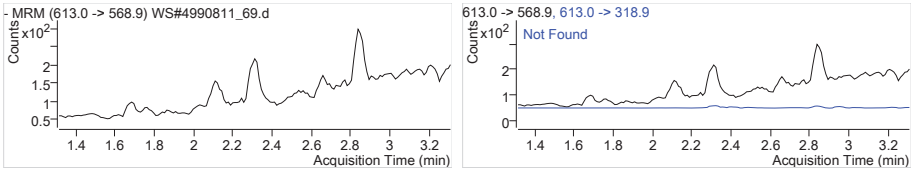




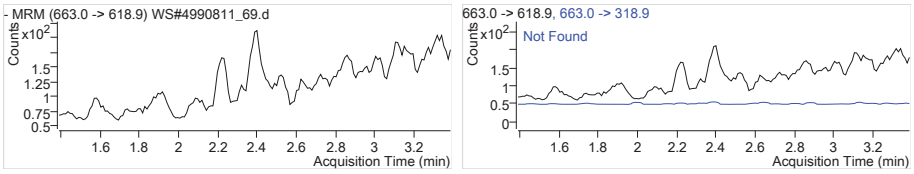
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



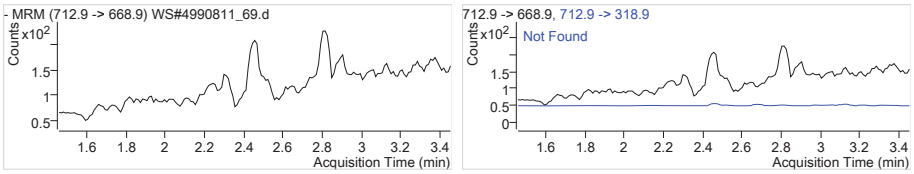
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



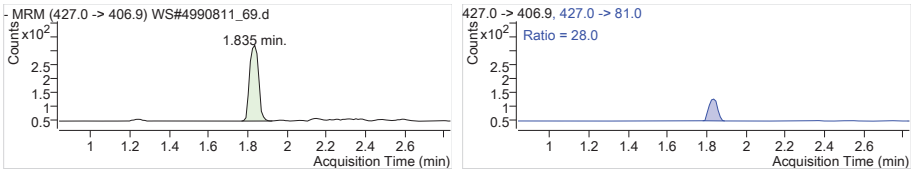
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



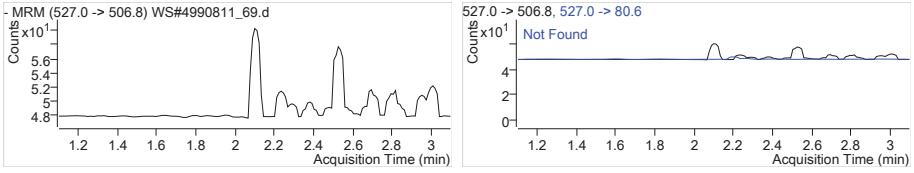
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



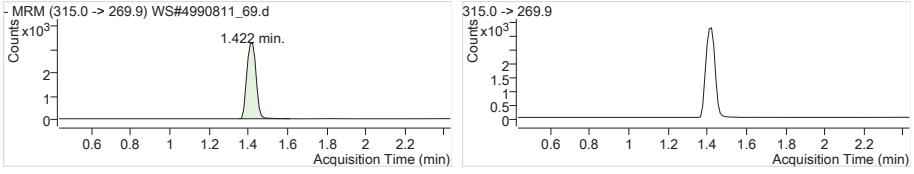
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



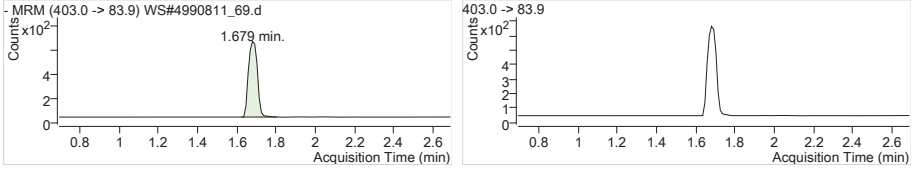
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 0.81 µg/Kg
Area ratio: 0.29604
Sample type: Sample



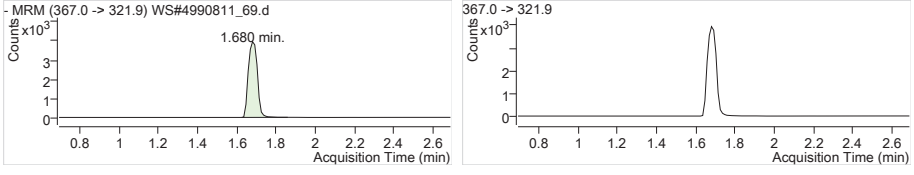
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



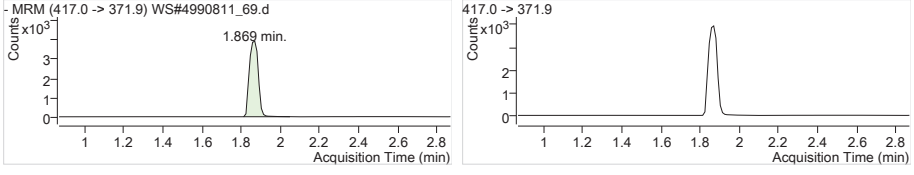
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 137.57 µg/Kg
Area ratio: 0.26492
Sample type: Sample



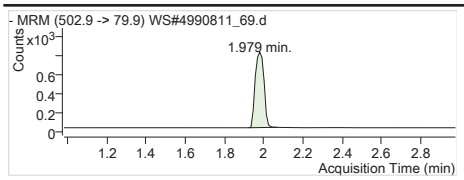
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 136.12 µg/Kg
Area ratio: 0.04858
Sample type: Sample

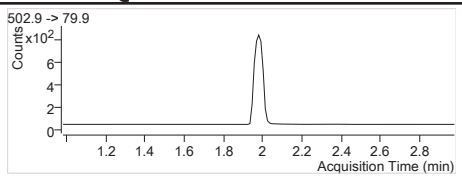


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 147.42 µg/Kg
Area ratio: 0.30973
Sample type: Sample

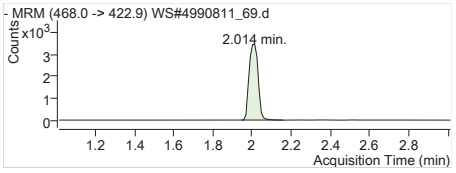


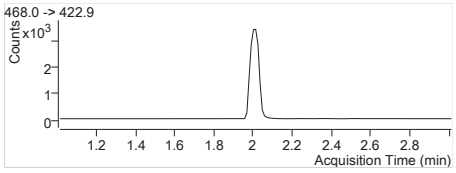
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 151.47 µg/Kg
Area ratio: 0.30699
Sample type: Sample



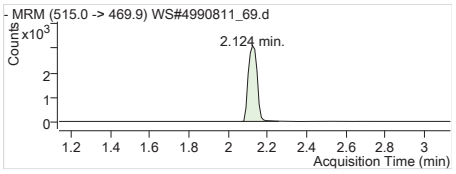


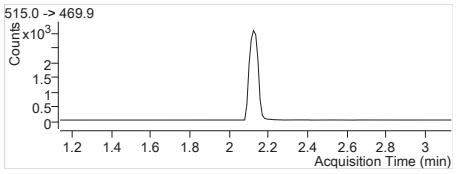
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 139.46 µg/Kg
Area ratio: 0.06119
Sample type: Sample



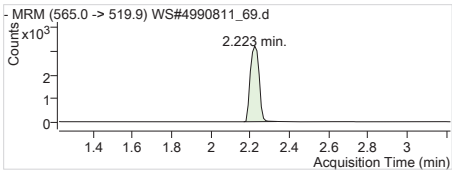


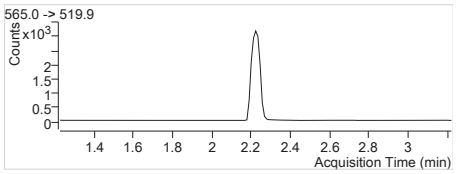
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.013)
Calc. conc. 132.09 µg/Kg
Area ratio: 0.27059
Sample type: Sample



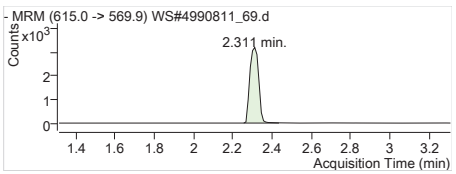


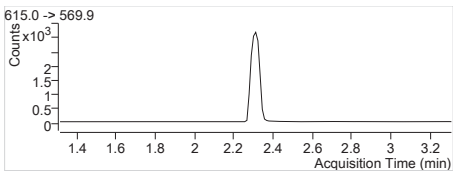
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 137.06 µg/Kg
Area ratio: 0.25688
Sample type: Sample



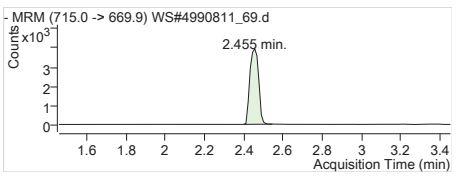


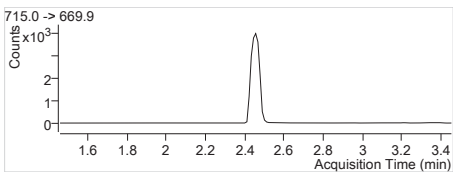
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 121.41 µg/Kg
Area ratio: 0.26246
Sample type: Sample



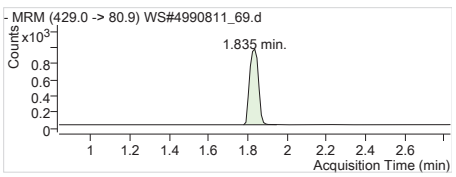


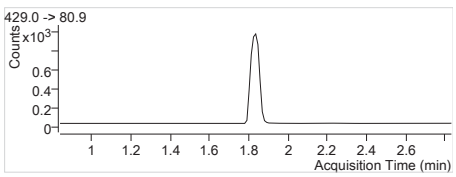
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 105.89 µg/Kg
Area ratio: 0.26249
Sample type: Sample



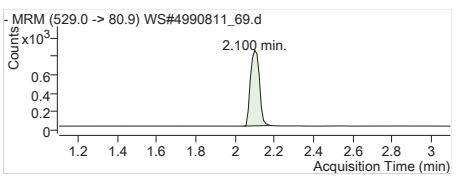


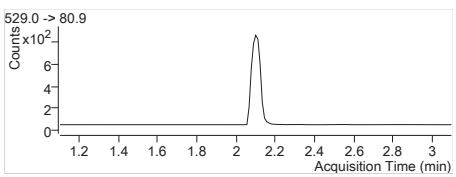
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 106.10 µg/Kg
Area ratio: 0.32325
Sample type: Sample



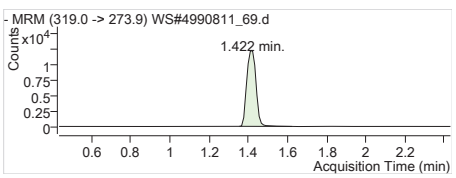


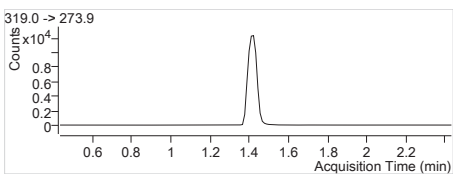
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 149.32 µg/Kg
Area ratio: 0.07290
Sample type: Sample



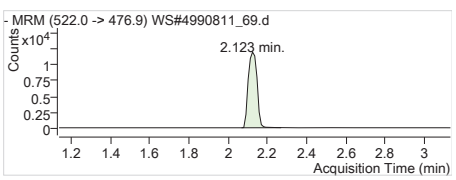


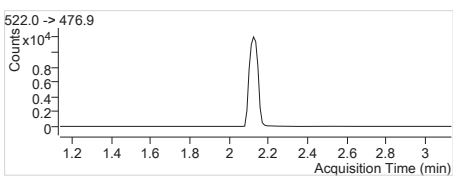
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 127.69 µg/Kg
Area ratio: 0.06430
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 131.70 µg/Kg
Area ratio: 0
Sample type: Sample





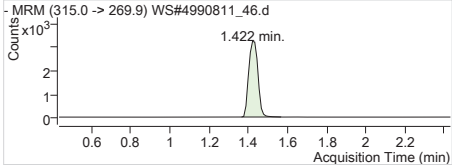
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 135.78 µg/Kg
Area ratio: 0
Sample type: Sample

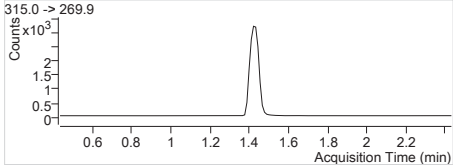
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI429-01**	**Instrument**	LCMS04
Data File	WS#4990811_46.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.298
Acq. Method	PFC_Soil.m	**Position**	P2-E1
Acq. Date	2017/05/24 11:58:19 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjected for carry-over check		

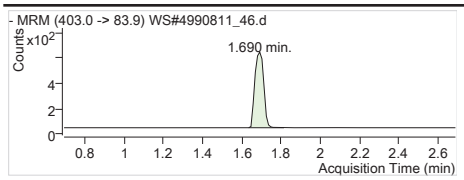
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	10444	1.42	1 µg/Kg		
MPFHxS	1892	1.69	1 µg/Kg		
MPFHpA	12106	1.69	1 µg/Kg		
MPFOA	10690	1.87	1 µg/Kg		
MPFOS	2387	1.98	1 µg/Kg		
MPFNA	11079	2.01	1 µg/Kg		
MPFDA	8752	2.12	1 µg/Kg		
MPFUnA	9869	2.22	1 µg/Kg		
MPFDoA	10319	2.31	1 µg/Kg		
MPFTeDA	11489	2.46	1 µg/Kg		
M2 6:2 FTS	2678	1.83	1 µg/Kg		
M2 8:2 FTS	2640	2.10	1 µg/Kg		
13C6-PFHxA IS	42864	1.42	1 µg/Kg		
13C9-PFDA IS	38448	2.12	1 µg/Kg		

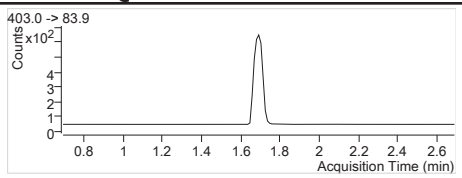
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	219	1.10	-	0.38 µg/Kg	-
PFHxA 1	2213	1.42	-	0.62 µg/Kg	-
PFHxS 1	3647	1.69	-	4.97 µg/Kg	-
PFHpA 1	1805	1.69	-	0.54 µg/Kg	-
PFOA 1	2964	1.87	-	0.79 µg/Kg	-
PFOS 1	8209	1.96	-	11.37 µg/Kg	-
PFNA 1	550	2.01	-	0.16 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	489	1.84	-	0.46 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	10444	1.42	-	126.52 µg/Kg	-
18O2-PFHxS	1892	1.69	-	123.67 µg/Kg	-
13C4-PFHpA	12106	1.69	-	134.42 µg/Kg	-
13C4-PFOA	10690	1.87	-	123.05 µg/Kg	-
13C4-PFOS	2387	1.98	-	126.92 µg/Kg	-
13C5-PFNA	11079	2.01	-	126.18 µg/Kg	-
13C2-PFDA	8752	2.12	-	121.46 µg/Kg	-
13C2-PFUnA	9869	2.22	-	118.74 µg/Kg	-
13C2-PFDoA	10319	2.31	-	108.27 µg/Kg	-
13C2-PFTeDA	11489	2.46	-	98.09 µg/Kg	-
13C2-6:2-FTS	2678	1.83	-	127.97 µg/Kg	-
13C2-8:2 FTS	2640	2.10	-	122.31 µg/Kg	-
13C6-PFHxA	42864	1.42	-	137.92 µg/Kg	-
13C9-PFDA	38448	2.12	-	136.94 µg/Kg	-



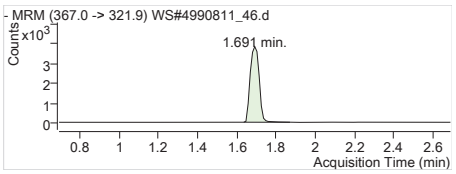


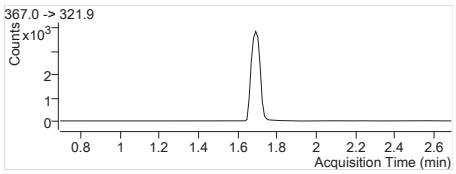
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



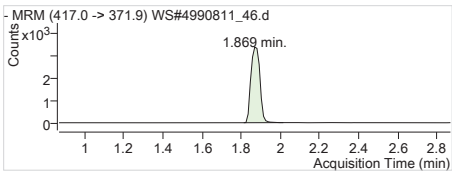


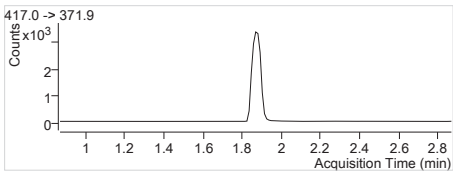
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



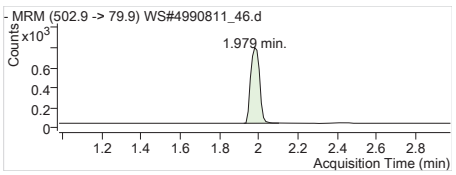


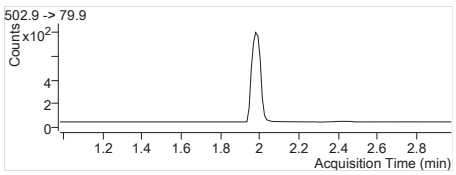
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



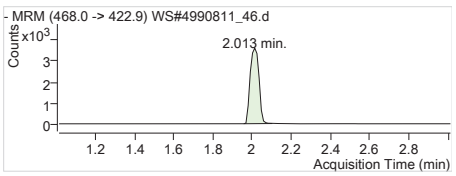


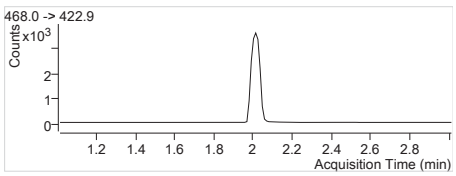
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



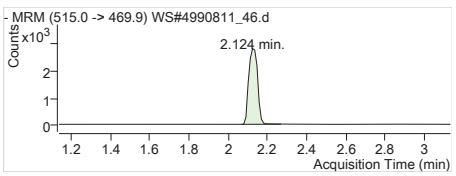


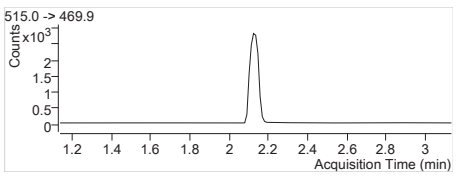
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



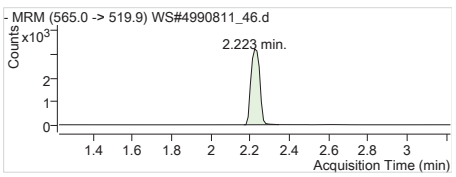


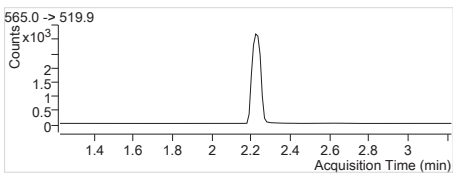
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



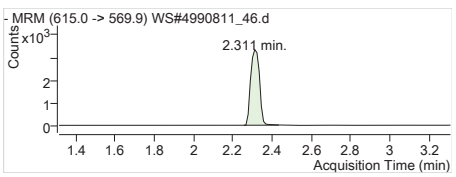


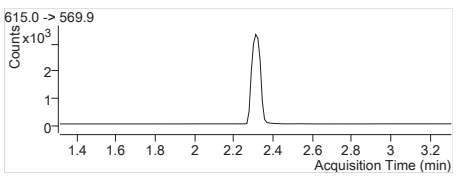
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



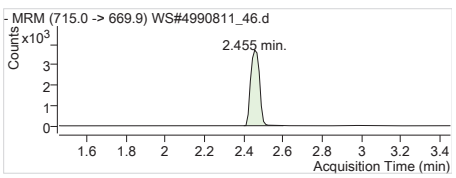


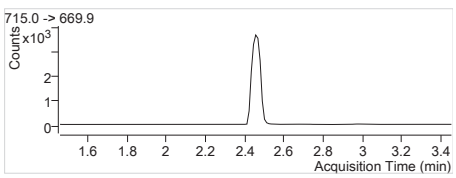
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



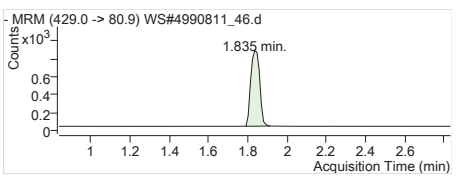


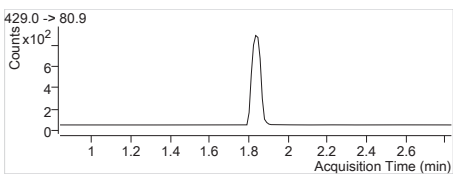
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



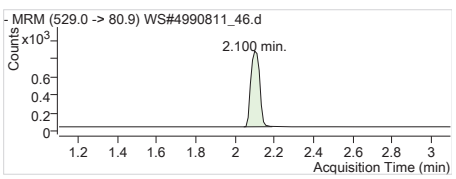


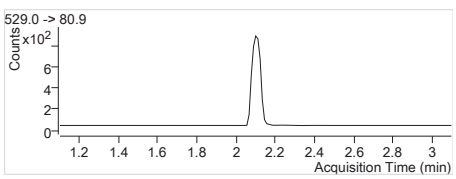
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



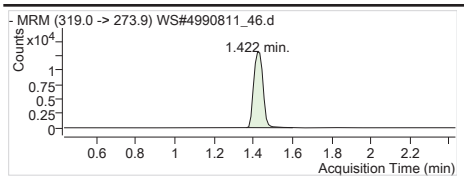


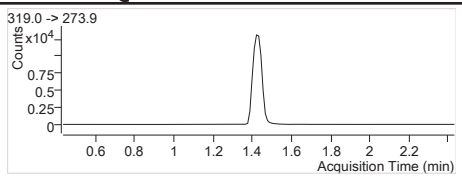
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



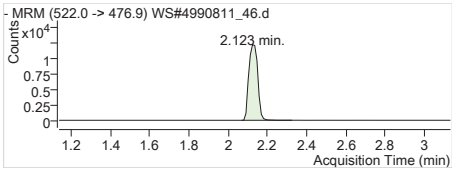


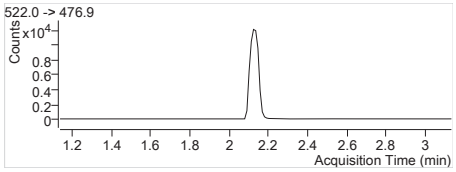
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



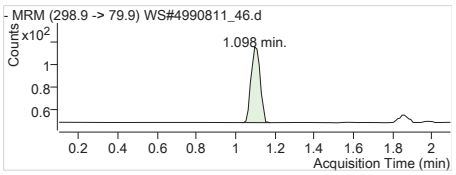


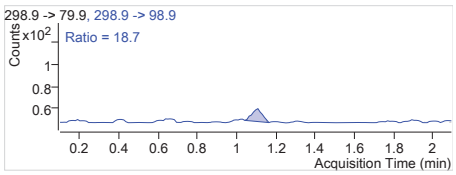
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



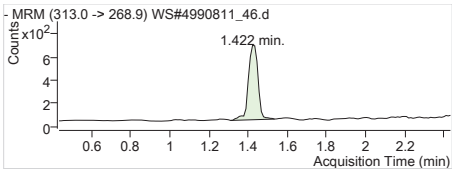


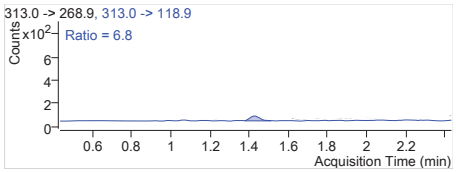
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



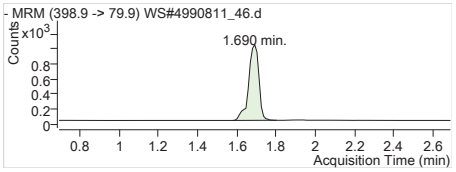


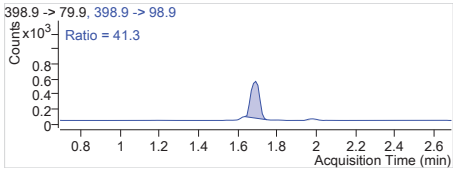
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 0.38 µg/Kg
Area ratio: 0.11575
Sample type: Sample



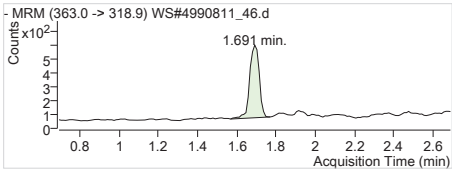


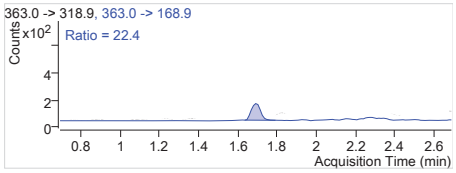
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.422 (1.434)
Calc. conc. 0.62 µg/Kg
Area ratio: 0.21189
Sample type: Sample



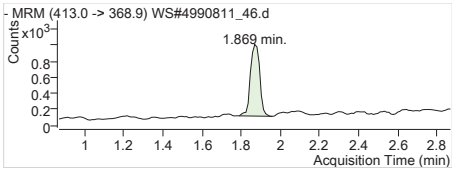


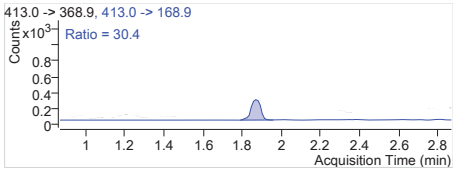
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 4.97 µg/Kg
Area ratio: 1.92759
Sample type: Sample



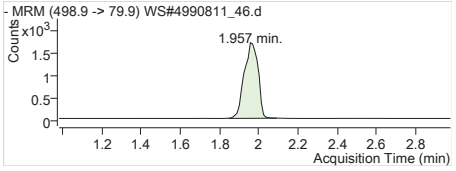


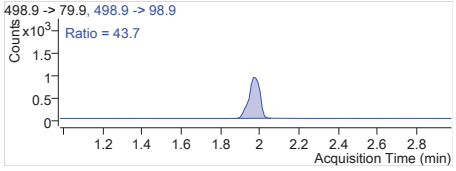
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 0.54 µg/Kg
Area ratio: 0.14910
Sample type: Sample



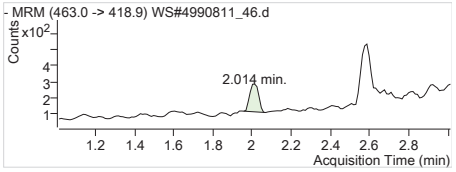


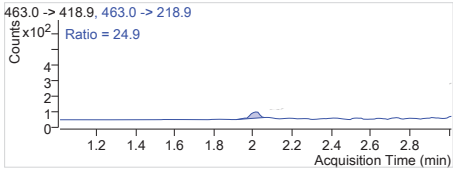
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.79 µg/Kg
Area ratio: 0.27727
Sample type: Sample



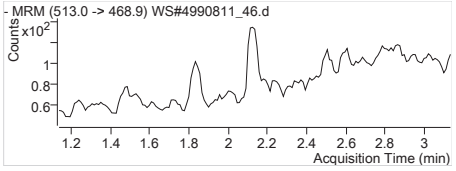


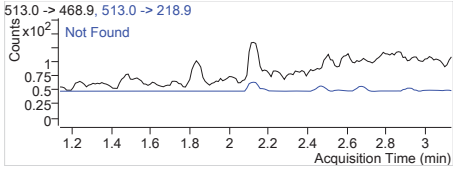
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.957 (1.979)
Calc. conc. 11.37 µg/Kg
Area ratio: 3.43904
Sample type: Sample



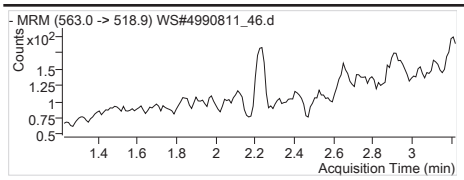


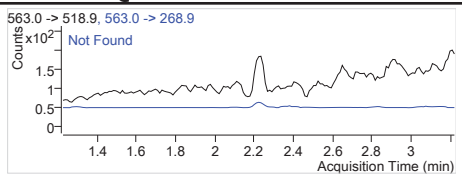
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.16 µg/Kg
Area ratio: 0.04964
Sample type: Sample



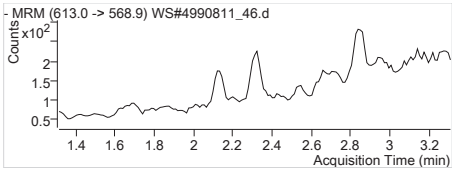


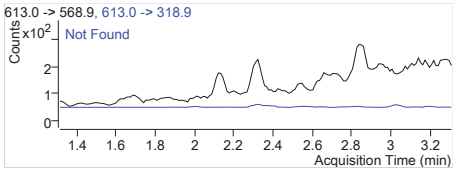
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



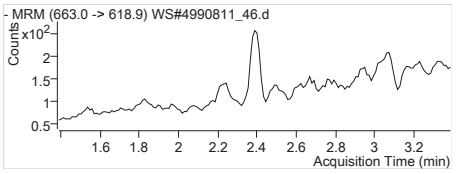


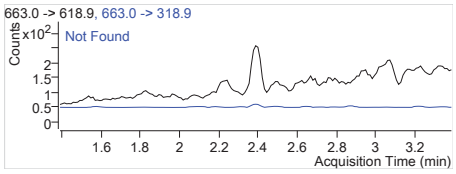
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



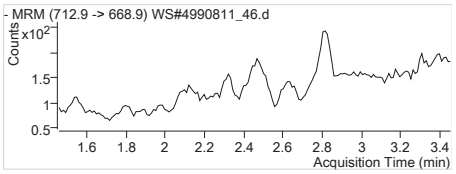


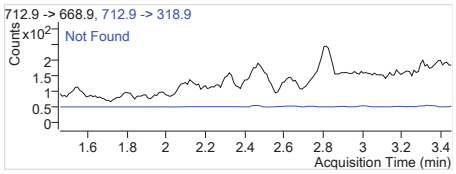
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



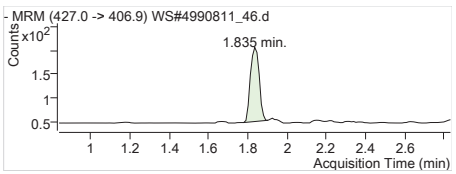


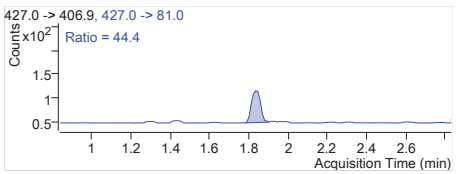
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



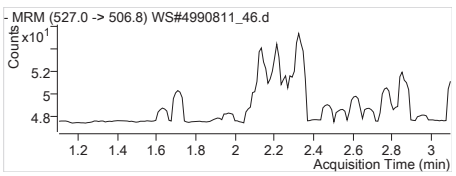


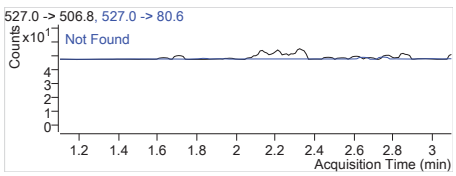
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



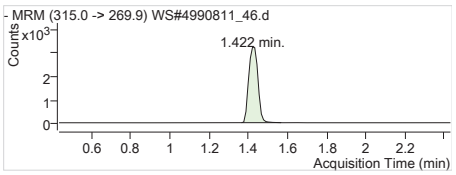


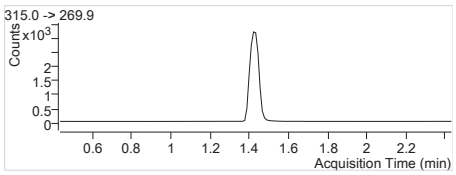
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 0.46 µg/Kg
Area ratio: 0.18260
Sample type: Sample



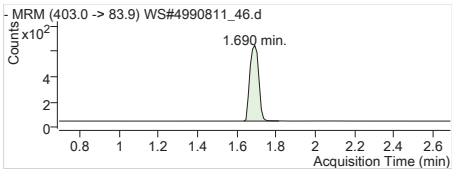


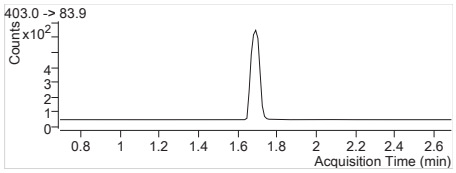
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



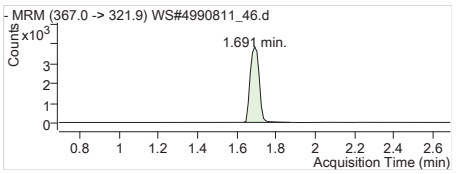


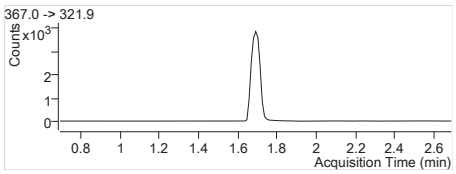
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 126.52 µg/Kg
Area ratio: 0.24365
Sample type: Sample



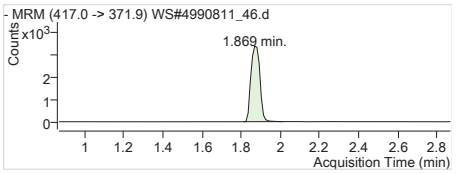


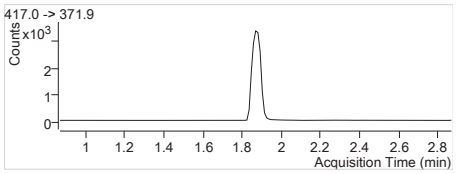
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 123.67 µg/Kg
Area ratio: 0.04414
Sample type: Sample



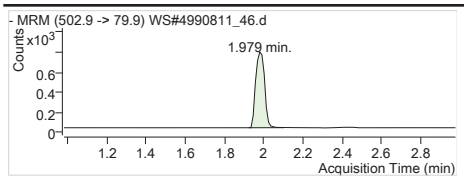


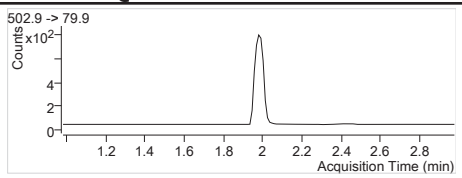
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 134.42 µg/Kg
Area ratio: 0.28243
Sample type: Sample



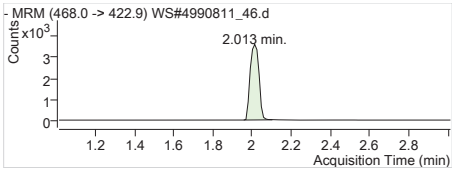


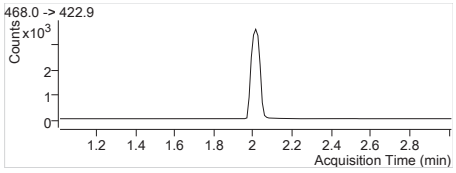
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 123.05 µg/Kg
Area ratio: 0.24939
Sample type: Sample



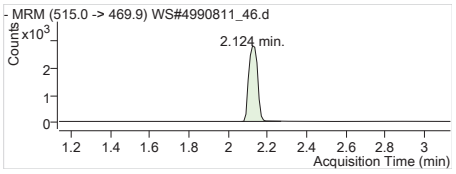


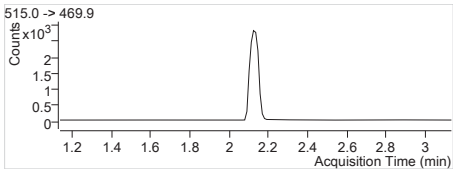
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	126.92 µg/Kg
Area ratio:	0.05569
Sample type:	Sample



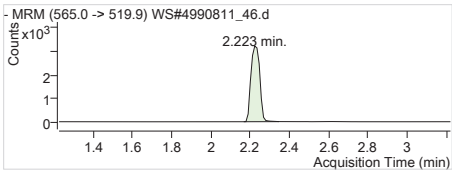


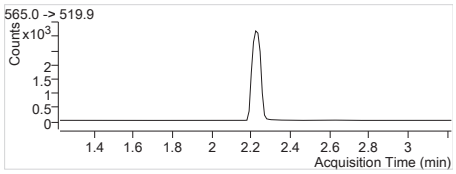
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	126.18 µg/Kg
Area ratio:	0.25847
Sample type:	Sample



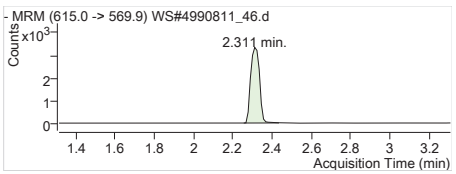


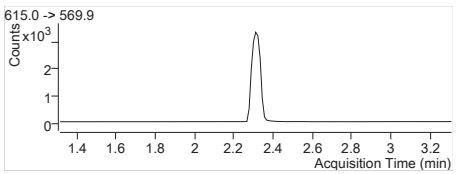
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.124 (2.135)
Calc. conc.	121.46 µg/Kg
Area ratio:	0.22763
Sample type:	Sample



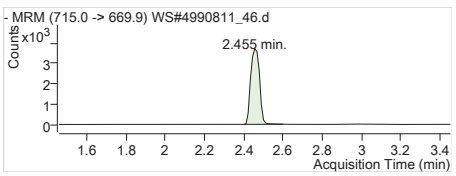


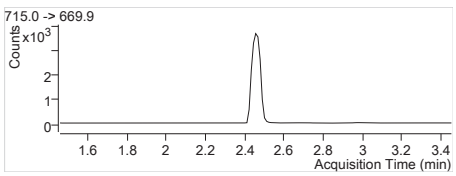
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	118.74 µg/Kg
Area ratio:	0.25668
Sample type:	Sample



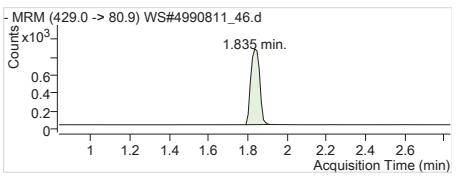


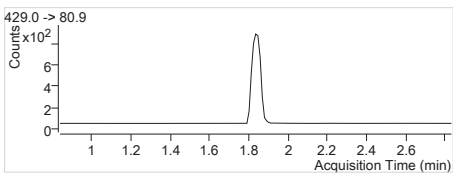
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	108.27 µg/Kg
Area ratio:	0.26839
Sample type:	Sample



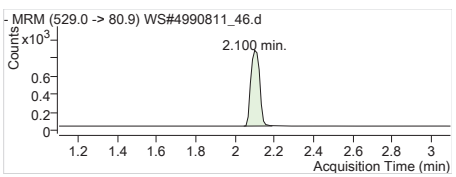


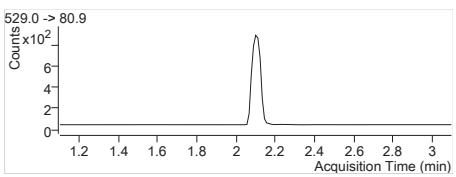
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	98.09 µg/Kg
Area ratio:	0.29882
Sample type:	Sample



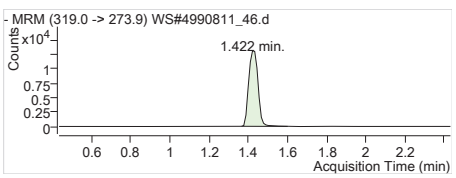


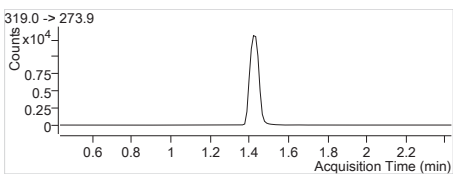
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	127.97 µg/Kg
Area ratio:	0.06248
Sample type:	Sample



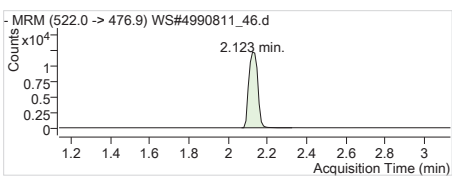


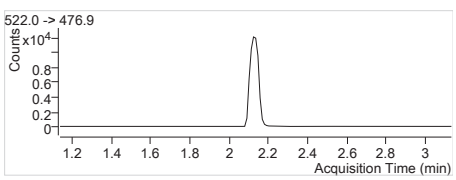
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	122.31 µg/Kg
Area ratio:	0.06159
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.422 (1.433)
Calc. conc.	137.92 µg/Kg
Area ratio:	0
Sample type:	Sample





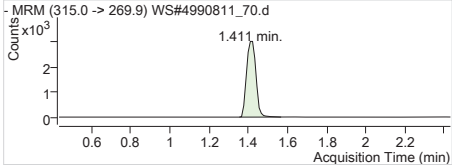
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.134)
Calc. conc.	136.94 µg/Kg
Area ratio:	0
Sample type:	Sample

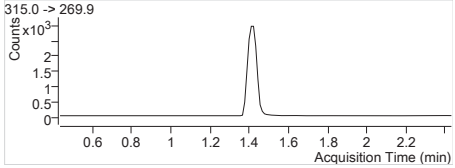
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI429-01**	**Instrument**	LCMS04
Data File	WS#4990811_70.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.298
Acq. Method	PFC_Soil.m	**Position**	P2-E1
Acq. Date	2017/05/25 3:25:18 PM	**Injection Volume**	Per Method
Sample Annotation	Reinjection reported.		

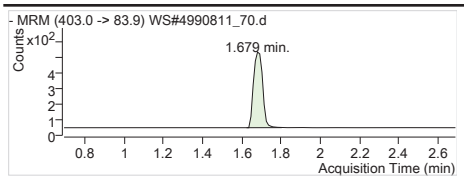
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9743	1.41	1 µg/Kg		
MPFHxS	1565	1.68	1 µg/Kg		
MPFHpA	11020	1.68	1 µg/Kg		
MPFOA	11220	1.87	1 µg/Kg		
MPFOS	2254	1.98	1 µg/Kg		
MPFNA	10243	2.00	1 µg/Kg		
MPFDA	8927	2.12	1 µg/Kg		
MPFUnA	9806	2.22	1 µg/Kg		
MPFDoA	10317	2.31	1 µg/Kg		
MPFTeDA	11728	2.46	1 µg/Kg		
M2 6:2 FTS	2478	1.83	1 µg/Kg		
M2 8:2 FTS	2305	2.10	1 µg/Kg		
13C6-PFHxA IS	41934	1.41	1 µg/Kg		
13C9-PFDA IS	40128	2.12	1 µg/Kg		

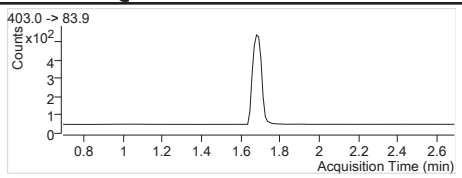
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	168	1.10	-	0.36 µg/Kg	-
PFHxA 1	2245	1.41	-	0.67 µg/Kg	-
PFHxS 1	3815	1.68	-	6.24 µg/Kg	-
PFHpA 1	1683	1.68	-	0.55 µg/Kg	-
PFOA 1	2496	1.87	-	0.64 µg/Kg	-
PFOS 1	7213	1.96	-	10.58 µg/Kg	-
PFNA 1	618	2.01	-	0.19 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	451	1.84	-	0.46 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	9743	1.41	-	120.65 µg/Kg	-
18O2-PFHxS	1565	1.68	-	104.57 µg/Kg	-
13C4-PFHpA	11020	1.68	-	125.08 µg/Kg	-
13C4-PFOA	11220	1.87	-	132.01 µg/Kg	-
13C4-PFOS	2254	1.98	-	122.51 µg/Kg	-
13C5-PFNA	10243	2.00	-	119.24 µg/Kg	-
13C2-PFDA	8927	2.12	-	118.70 µg/Kg	-
13C2-PFUnA	9806	2.22	-	113.04 µg/Kg	-
13C2-PFDoA	10317	2.31	-	103.72 µg/Kg	-
13C2-PFTeDA	11728	2.46	-	95.93 µg/Kg	-
13C2-6:2-FTS	2478	1.83	-	121.04 µg/Kg	-
13C2-8:2 FTS	2305	2.10	-	109.16 µg/Kg	-
13C6-PFHxA	41934	1.41	-	134.93 µg/Kg	-
13C9-PFDA	40128	2.12	-	142.93 µg/Kg	-



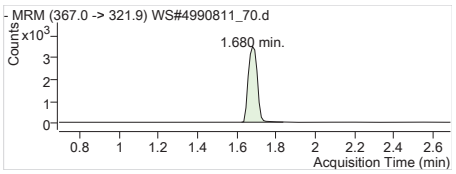


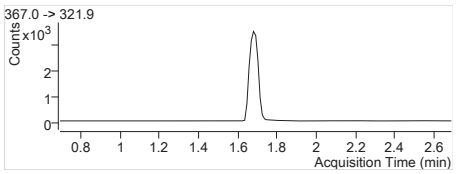
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



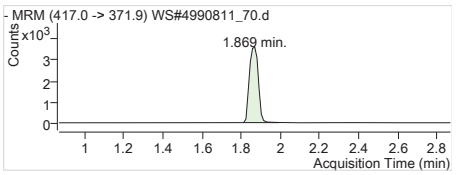


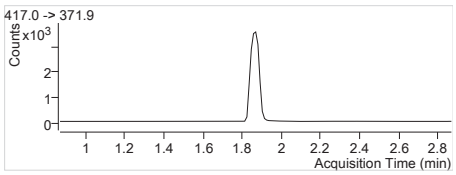
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



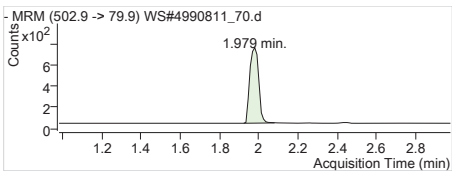


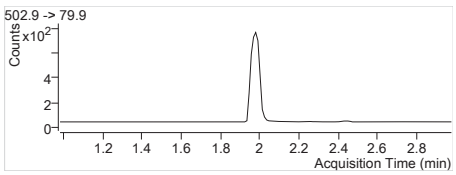
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



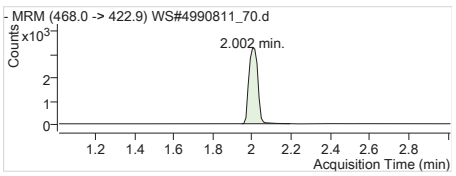


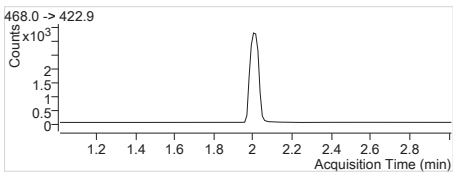
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



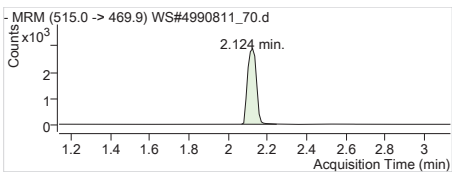


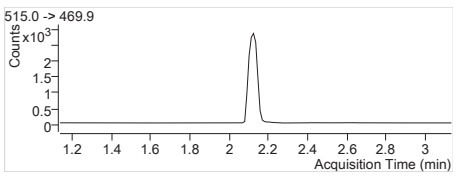
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



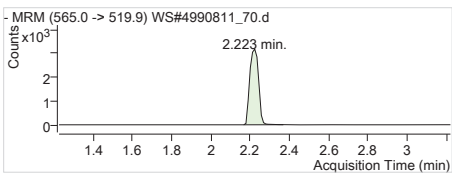


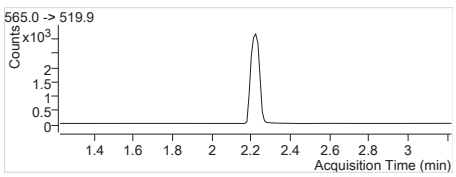
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



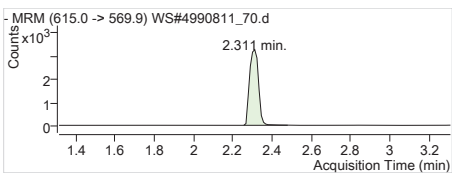


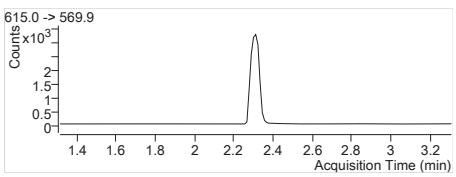
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



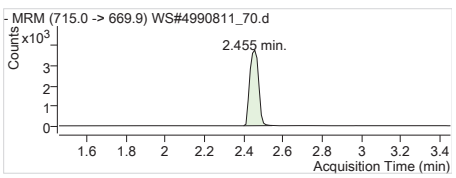


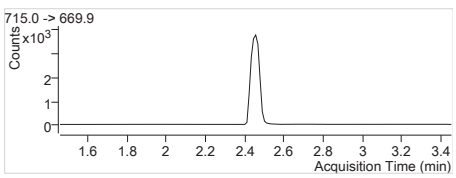
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



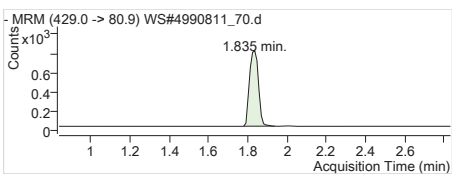


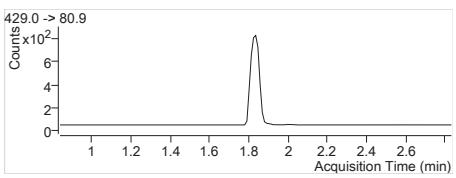
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



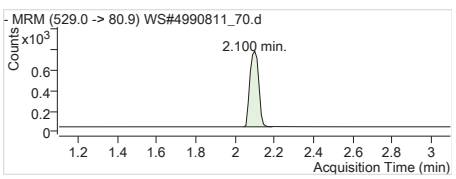


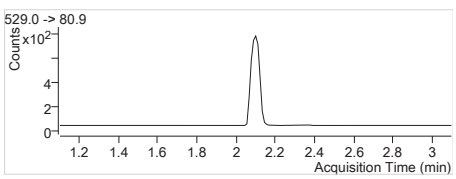
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



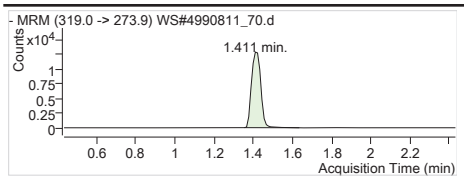


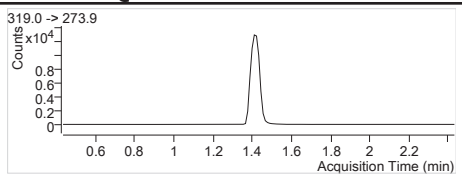
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



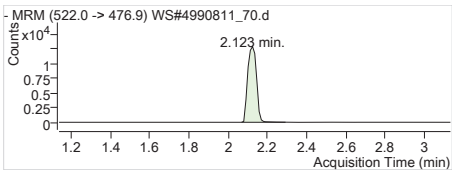


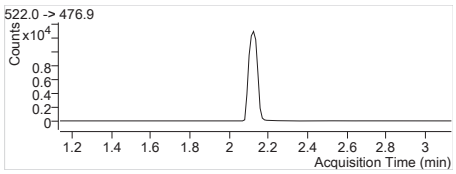
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



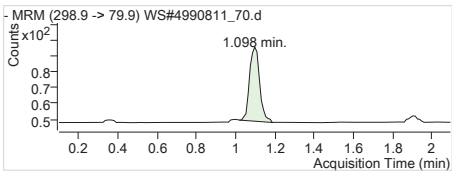


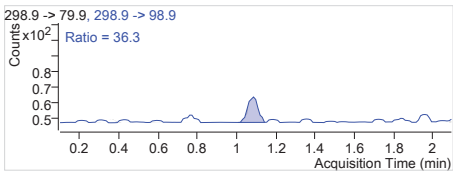
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



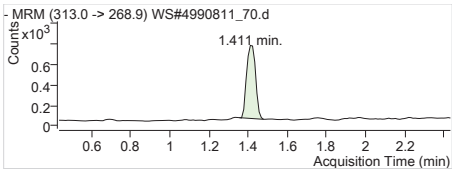


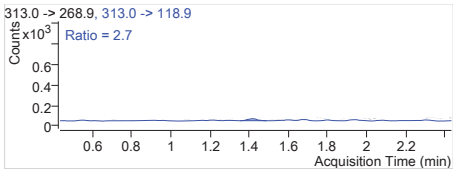
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



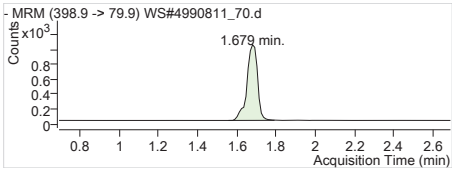


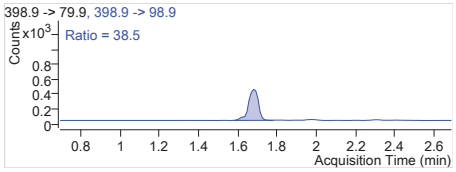
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 0.36 µg/Kg
Area ratio: 0.10735
Sample type: Sample



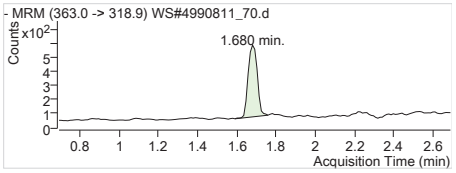


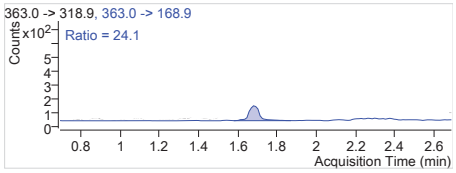
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.411 (1.434)
Calc. conc. 0.67 µg/Kg
Area ratio: 0.23042
Sample type: Sample



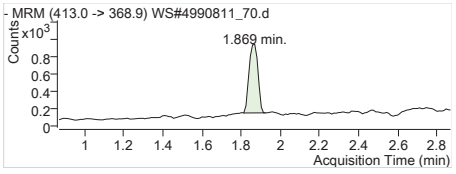


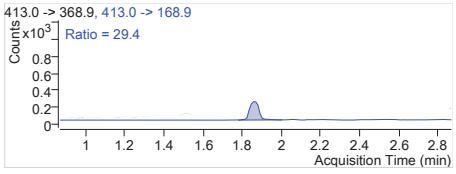
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 6.24 µg/Kg
Area ratio: 2.43770
Sample type: Sample



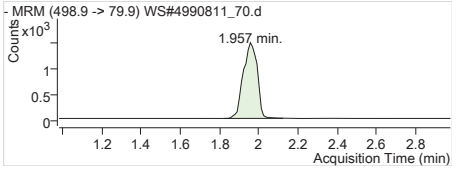


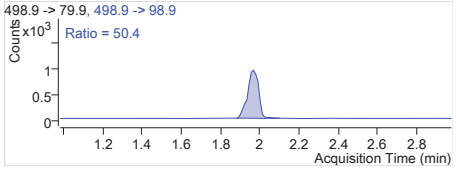
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 0.55 µg/Kg
Area ratio: 0.15272
Sample type: Sample



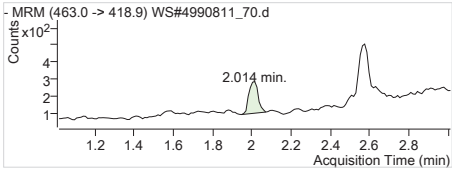


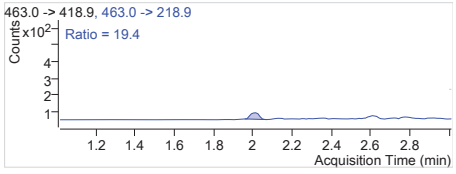
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.64 µg/Kg
Area ratio: 0.22246
Sample type: Sample



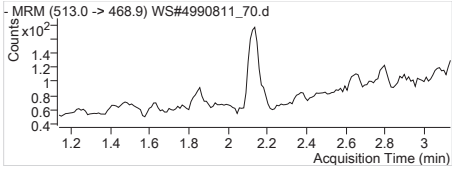


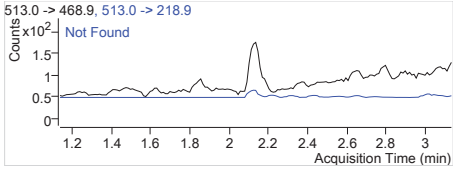
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.957 (1.979)
Calc. conc. 10.58 µg/Kg
Area ratio: 3.20009
Sample type: Sample



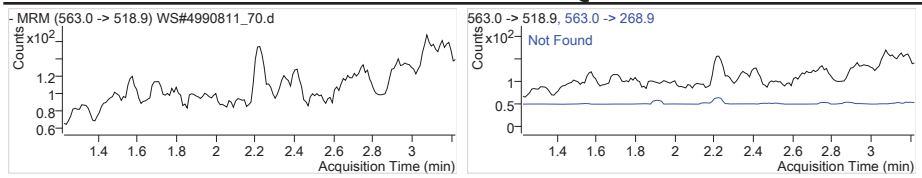


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.19 µg/Kg
Area ratio: 0.06033
Sample type: Sample

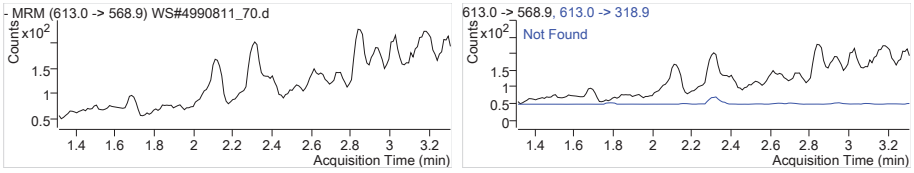




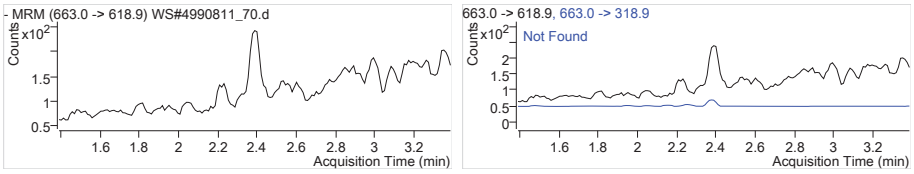
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



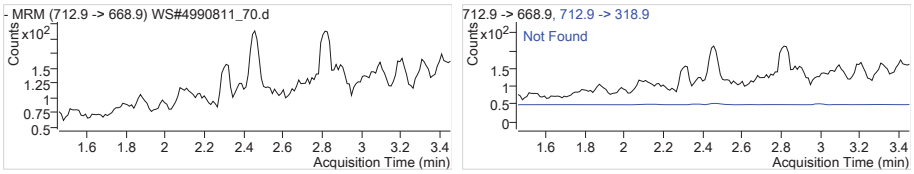
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



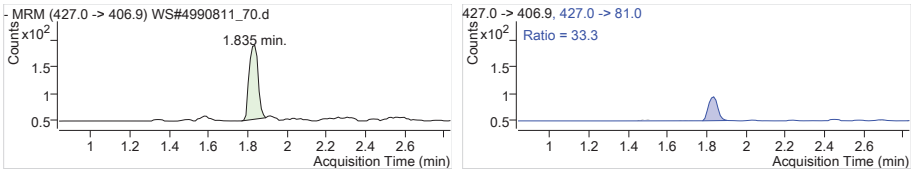
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



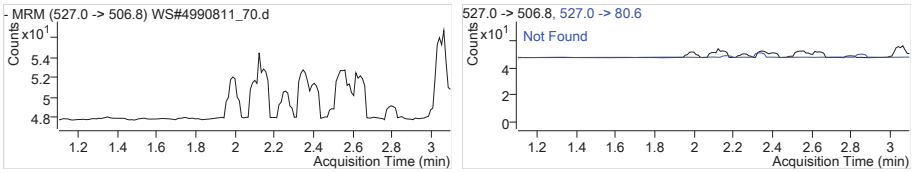
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



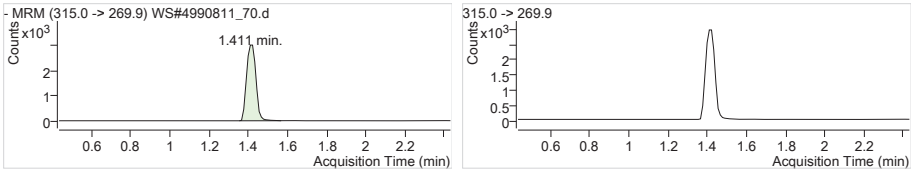
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



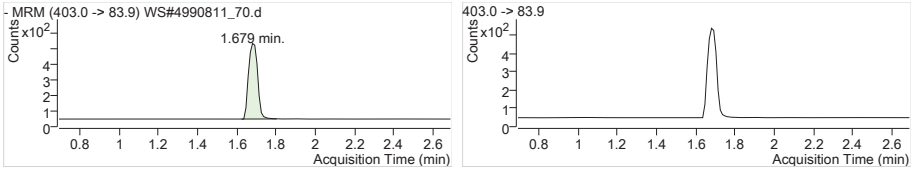
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 0.46 µg/Kg
Area ratio: 0.18200
Sample type: Sample



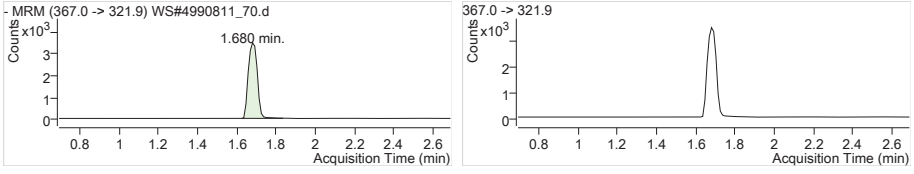
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



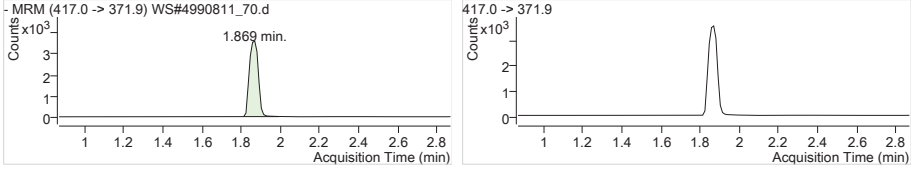
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 120.65 µg/Kg
Area ratio: 0.23234
Sample type: Sample



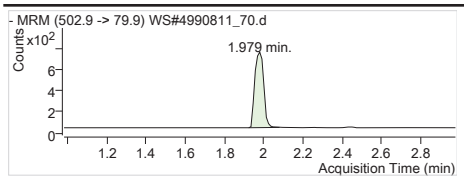
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 104.57 µg/Kg
Area ratio: 0.03732
Sample type: Sample

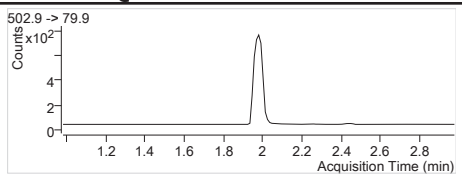


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 125.08 µg/Kg
Area ratio: 0.26279
Sample type: Sample

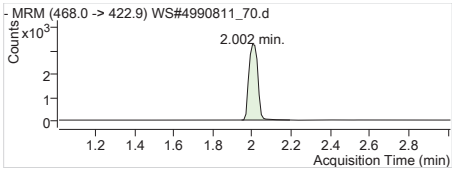


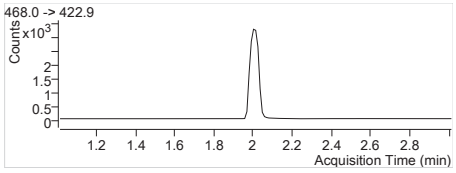
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 132.01 µg/Kg
Area ratio: 0.26756
Sample type: Sample



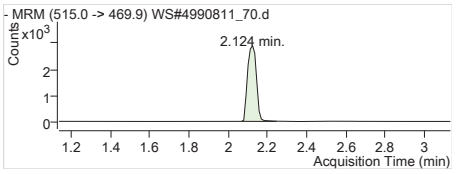


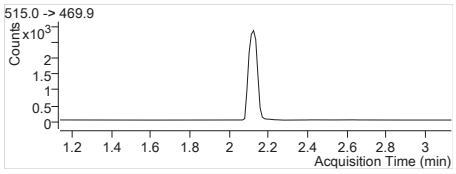
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 122.51 µg/Kg
Area ratio: 0.05375
Sample type: Sample



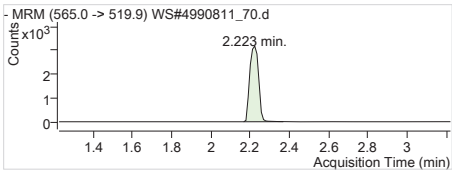


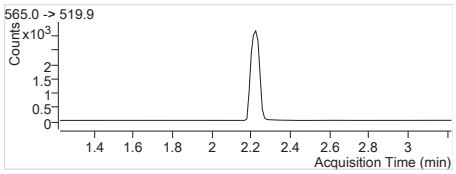
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 119.24 µg/Kg
Area ratio: 0.24426
Sample type: Sample



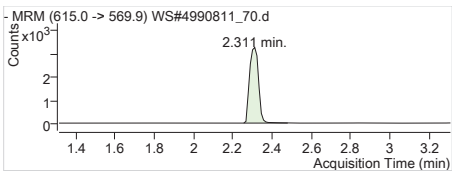


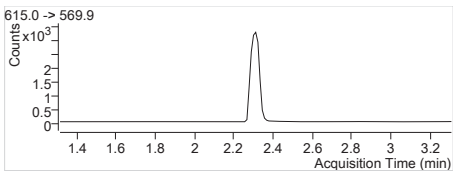
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 118.70 µg/Kg
Area ratio: 0.22246
Sample type: Sample



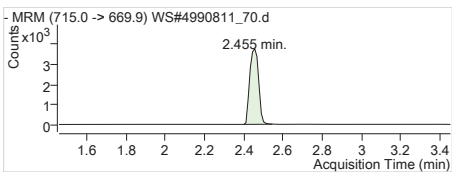


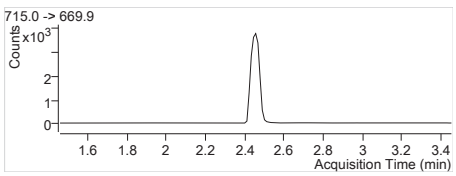
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 113.04 µg/Kg
Area ratio: 0.24437
Sample type: Sample



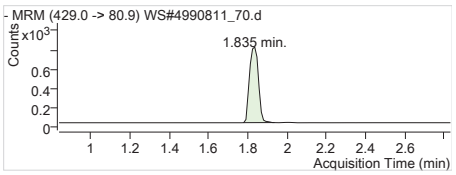


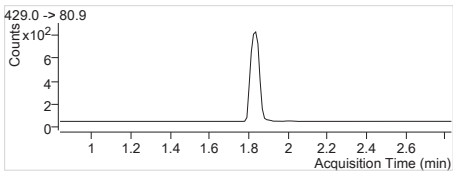
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 103.72 µg/Kg
Area ratio: 0.25710
Sample type: Sample



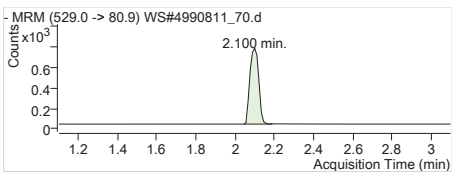


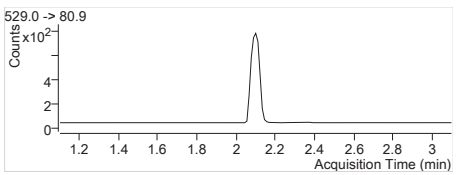
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 95.93 µg/Kg
Area ratio: 0.29226
Sample type: Sample



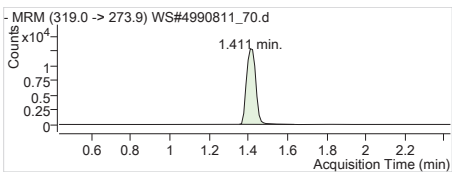


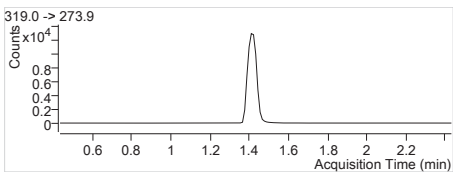
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 121.04 µg/Kg
Area ratio: 0.05909
Sample type: Sample



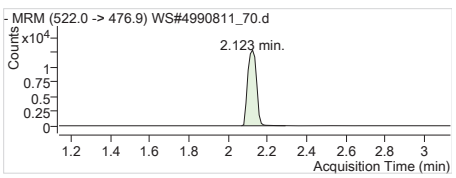


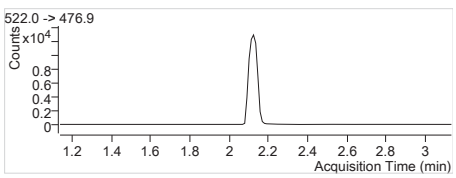
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 109.16 µg/Kg
Area ratio: 0.05497
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 134.93 µg/Kg
Area ratio: 0
Sample type: Sample





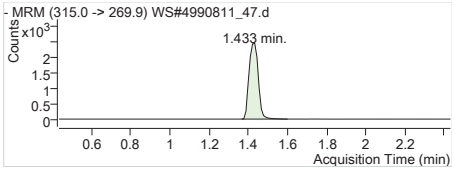
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 142.93 µg/Kg
Area ratio: 0
Sample type: Sample

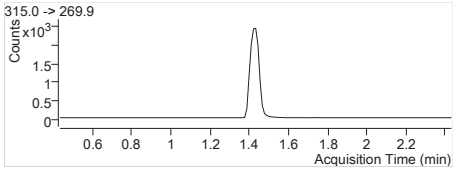
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI431-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_47.d	**Operator**	AD
Sample Type	Sample	**Dilution**	11.373
Acq. Method	PFC_Soil.m	**Position**	P2-E2
Acq. Date	2017/05/25 12:03:13 AM	**Injection Volume**	Per Method
Sample Annotation	Reinjected for carry-over check		

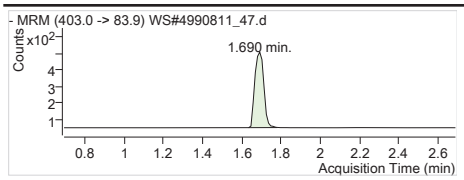
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7881	1.43	1 µg/Kg		
MPFHxS	1465	1.69	1 µg/Kg		
MPFHpA	9268	1.69	1 µg/Kg		
MPFOA	8767	1.87	1 µg/Kg		
MPFOS	1949	1.98	1 µg/Kg		
MPFNA	9009	2.01	1 µg/Kg		
MPFDA	7433	2.12	1 µg/Kg		
MPFUnA	8403	2.22	1 µg/Kg		
MPFDoA	9506	2.31	1 µg/Kg		
MPFTeDA	12429	2.46	1 µg/Kg		
M2 6:2 FTS	1983	1.83	1 µg/Kg		
M2 8:2 FTS	1970	2.10	1 µg/Kg		
13C6-PFHxA IS	40050	1.43	1 µg/Kg		
13C9-PFDA IS	38036	2.12	1 µg/Kg		

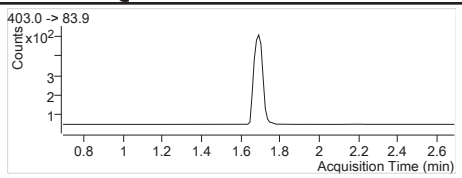
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	173	1.69	-	3.96 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1262	1.87	-	3.70 µg/Kg	-
PFOS 1	5730	1.97	-	85.14 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7881	1.43	-	102.18 µg/Kg	-
18O2-PFHxS	1465	1.69	-	102.49 µg/Kg	-
13C4-PFHpA	9268	1.69	-	110.14 µg/Kg	-
13C4-PFOA	8767	1.87	-	108.01 µg/Kg	-
13C4-PFOS	1949	1.98	-	110.91 µg/Kg	-
13C5-PFNA	9009	2.01	-	109.81 µg/Kg	-
13C2-PFDA	7433	2.12	-	104.27 µg/Kg	-
13C2-PFUnA	8403	2.22	-	102.20 µg/Kg	-
13C2-PFDoA	9506	2.31	-	100.82 µg/Kg	-
13C2-PFTeDA	12429	2.46	-	107.26 µg/Kg	-
13C2-6:2-FTS	1983	1.83	-	101.42 µg/Kg	-
13C2-8:2 FTS	1970	2.10	-	97.68 µg/Kg	-
13C6-PFHxA	40050	1.43	-	1129.10 µg/Kg	-
13C9-PFDA	38036	2.12	-	1187.02 µg/Kg	-



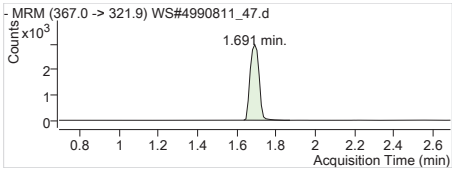


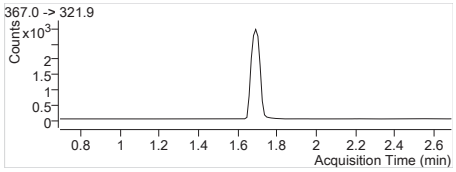
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



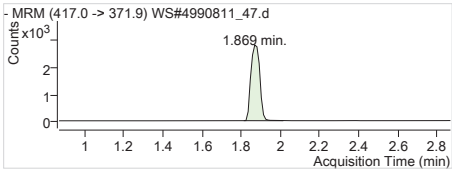


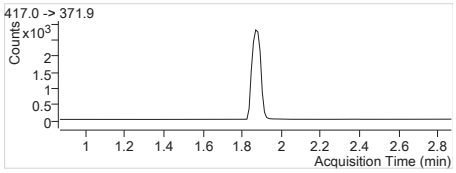
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



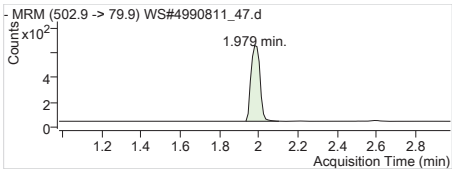


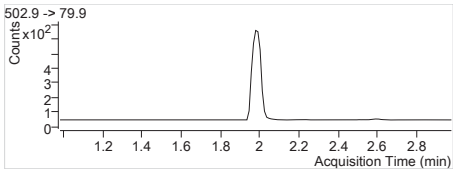
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



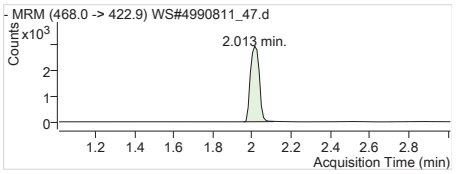


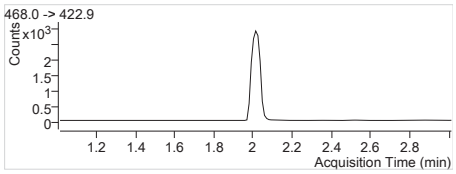
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



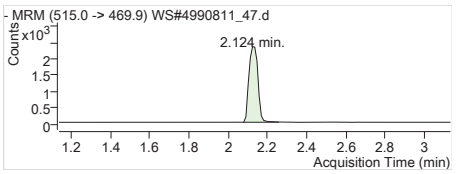


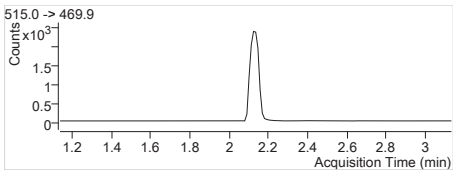
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



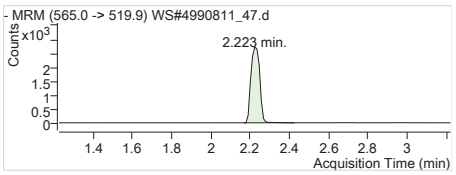


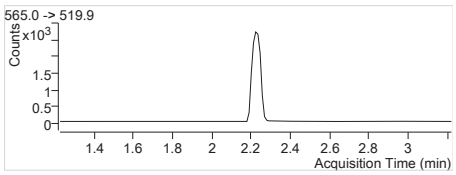
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



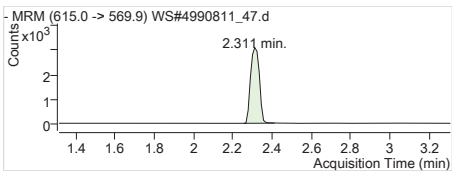


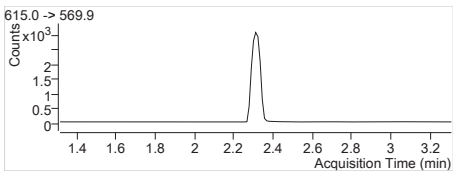
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



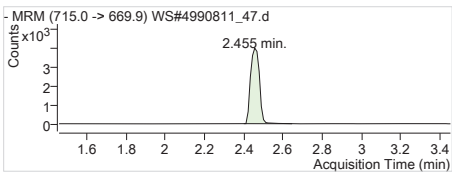


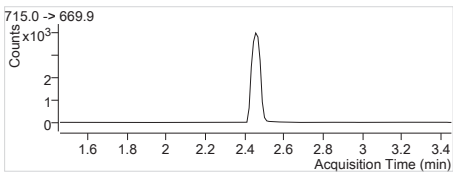
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



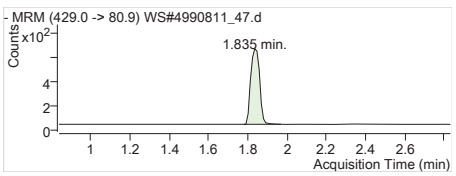


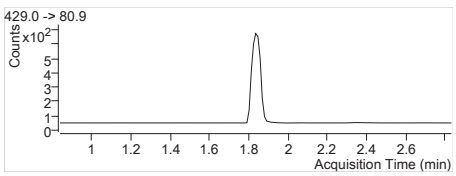
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



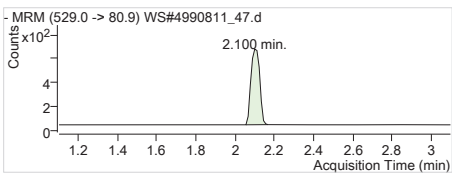


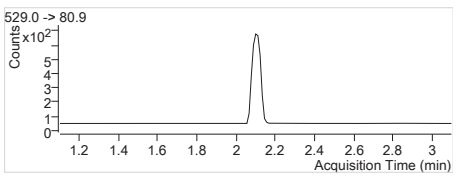
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



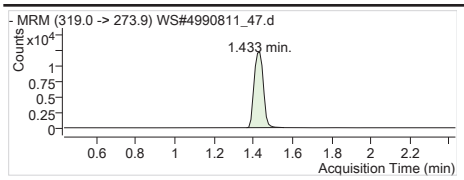


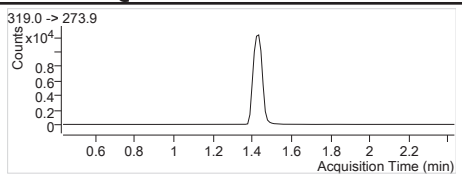
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



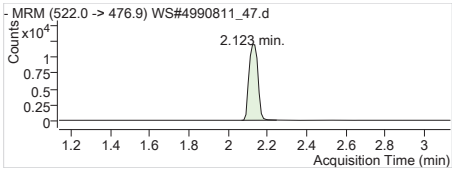


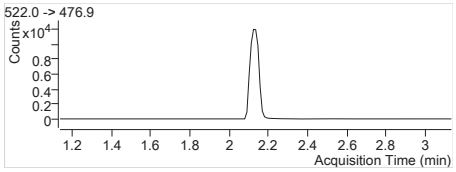
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



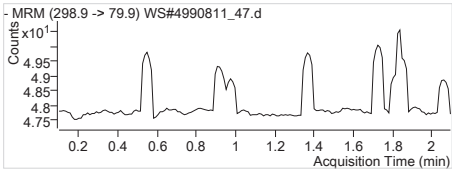


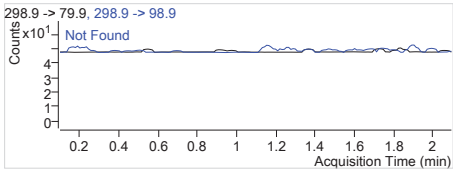
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



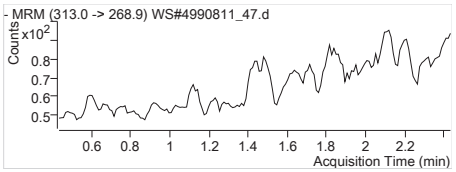


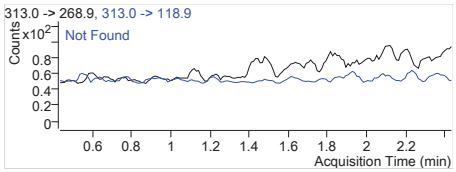
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



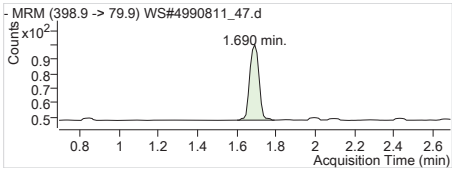


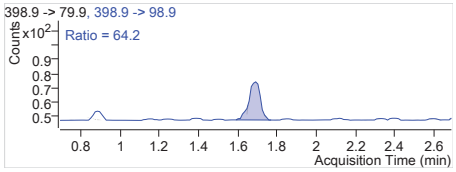
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



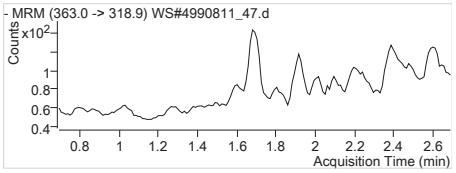


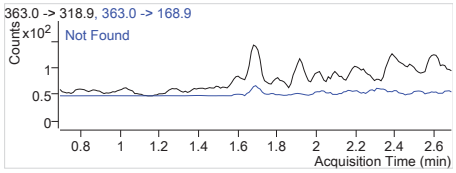
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



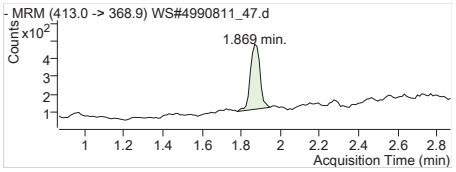


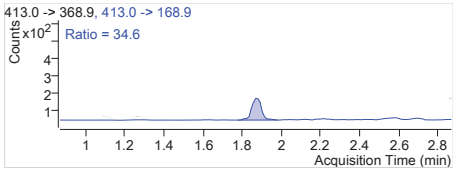
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 3.96 µg/Kg
Area ratio: 0.11809
Sample type: Sample



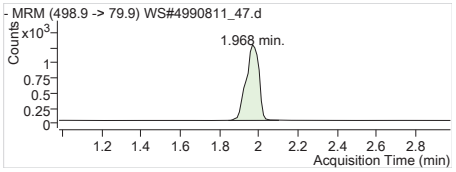


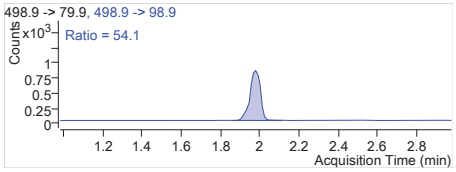
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



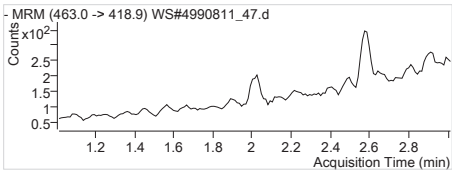


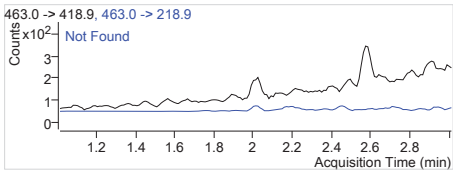
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 3.70 µg/Kg
Area ratio: 0.14395
Sample type: Sample



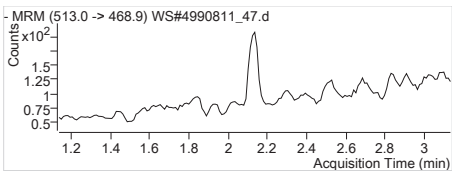


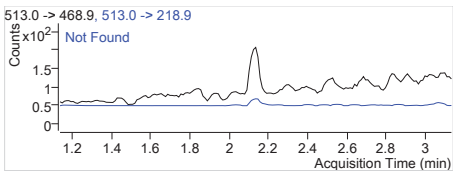
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 85.14 µg/Kg
Area ratio: 2.93997
Sample type: Sample



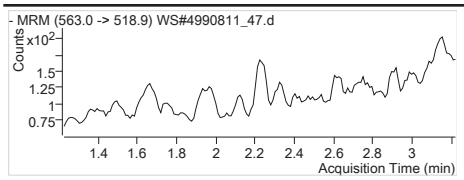


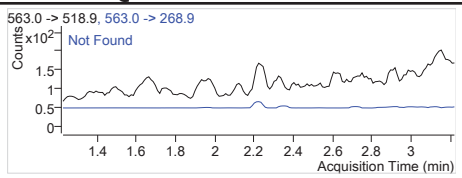
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



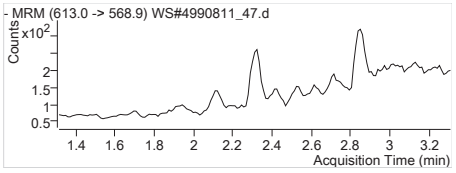


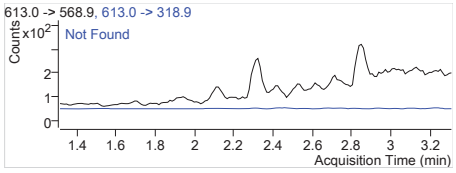
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



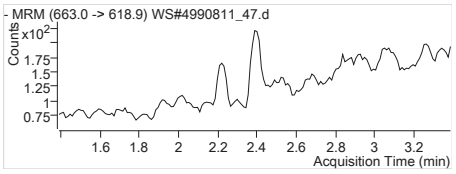


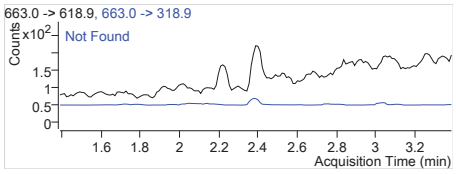
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



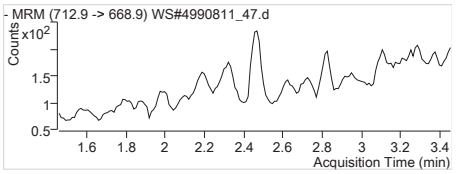


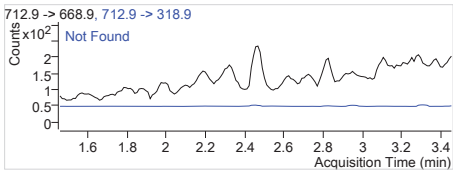
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



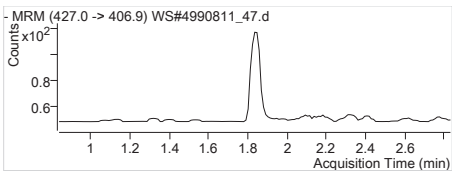


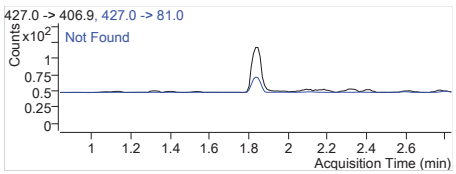
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



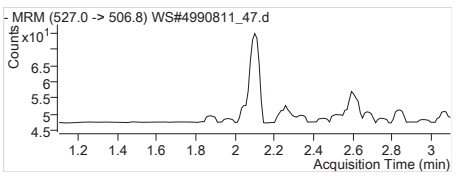


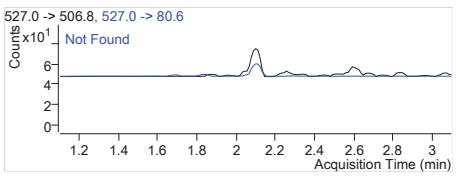
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



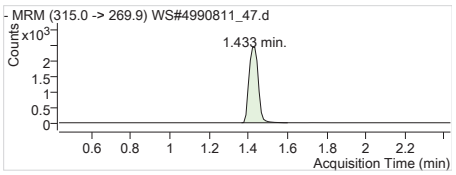


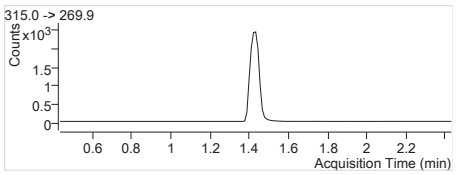
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



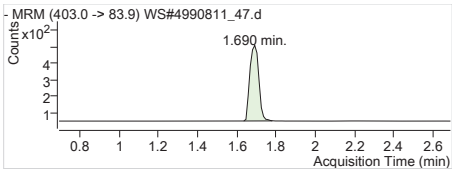


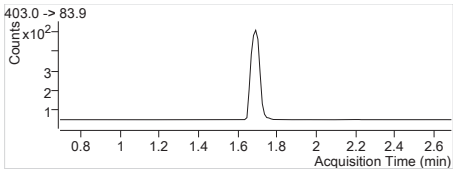
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



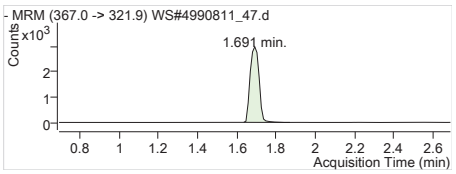


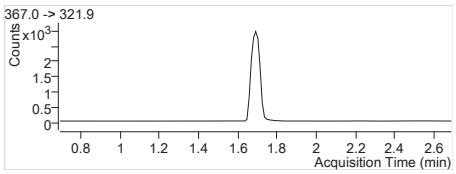
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 102.18 µg/Kg
Area ratio: 0.19678
Sample type: Sample



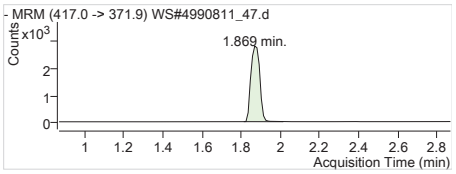


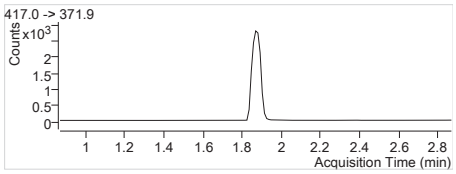
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 102.49 µg/Kg
Area ratio: 0.03658
Sample type: Sample



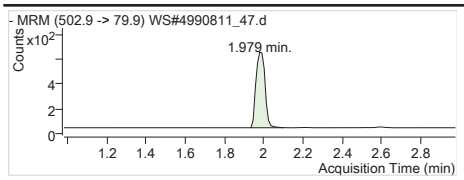


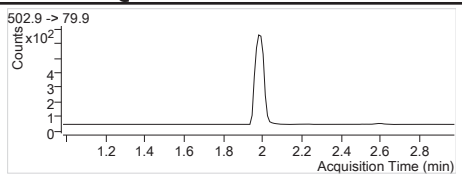
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 110.14 µg/Kg
Area ratio: 0.23141
Sample type: Sample



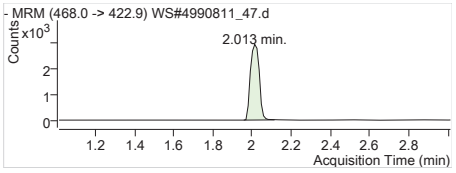


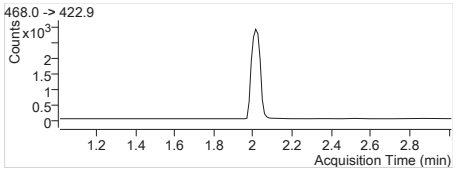
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 108.01 µg/Kg
Area ratio: 0.21890
Sample type: Sample



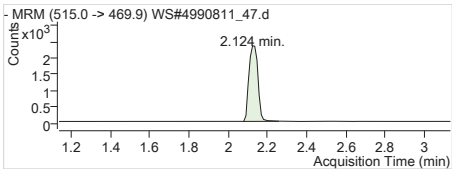


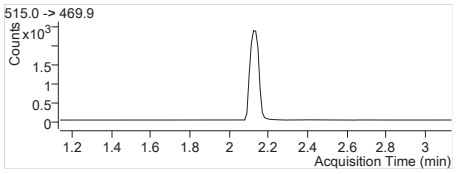
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	110.91 µg/Kg
Area ratio:	0.04866
Sample type:	Sample



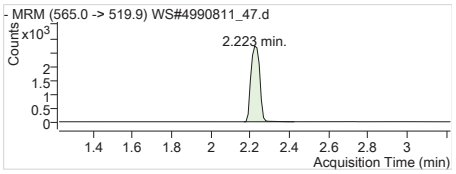


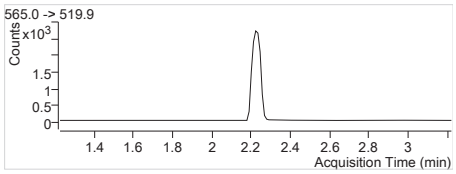
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	109.81 µg/Kg
Area ratio:	0.22494
Sample type:	Sample



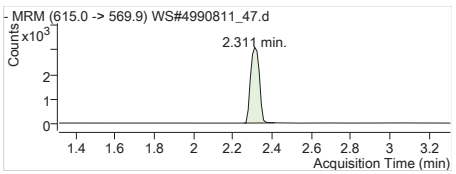


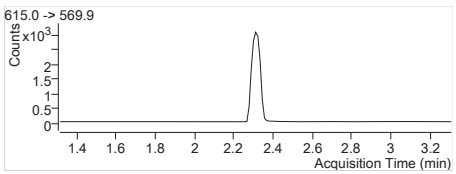
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.124 (2.135)
Calc. conc.	104.27 µg/Kg
Area ratio:	0.19542
Sample type:	Sample



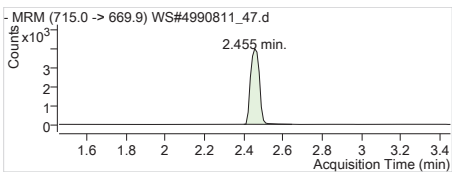


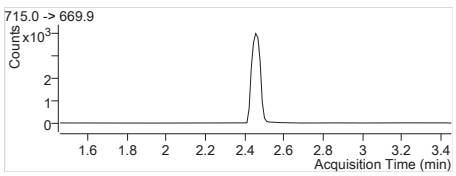
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	102.20 µg/Kg
Area ratio:	0.22092
Sample type:	Sample



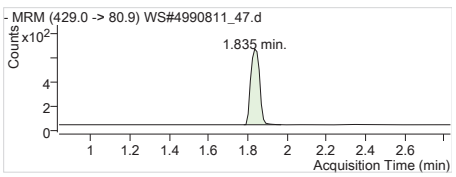


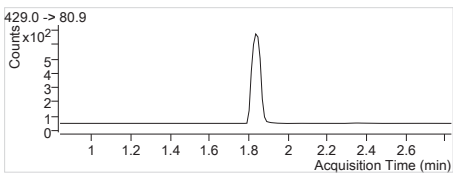
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	100.82 µg/Kg
Area ratio:	0.24992
Sample type:	Sample



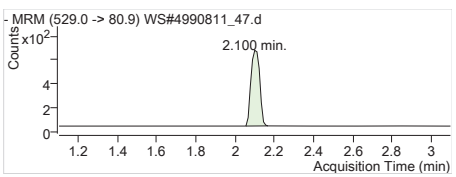


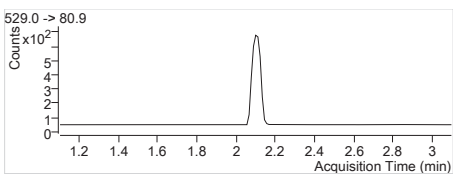
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	107.26 µg/Kg
Area ratio:	0.32677
Sample type:	Sample



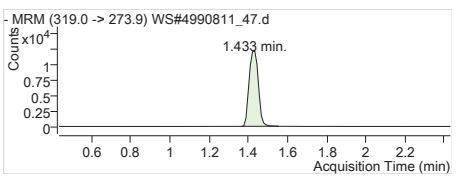


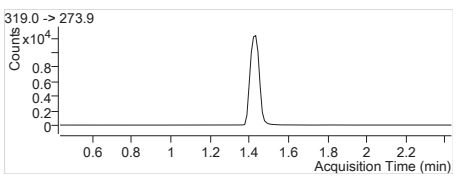
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	101.42 µg/Kg
Area ratio:	0.04951
Sample type:	Sample



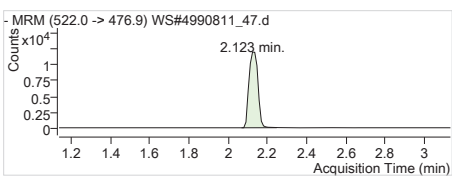


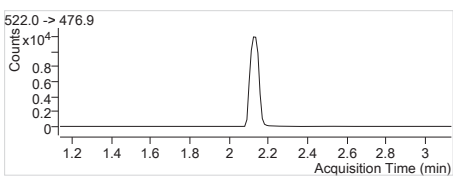
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	97.68 µg/Kg
Area ratio:	0.04919
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	1129.10 µg/Kg
Area ratio:	0
Sample type:	Sample





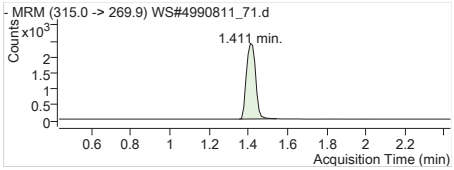
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.134)
Calc. conc.	1187.02 µg/Kg
Area ratio:	0
Sample type:	Sample

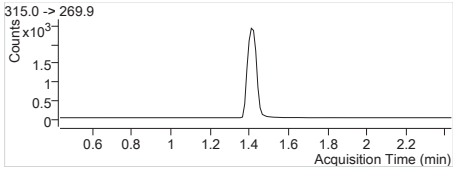
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI431-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_71.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	11.373
Acq. Method	PFC_Soil.m	**Position**	P2-E2
Acq. Date	2017/05/25 3:30:13 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS only.		

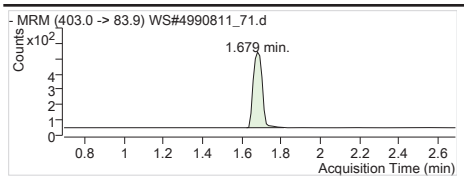
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7735	1.41	1 µg/Kg		
MPFHxS	1579	1.68	1 µg/Kg		
MPFHpA	9519	1.68	1 µg/Kg		
MPFOA	8573	1.87	1 µg/Kg		
MPFOS	1793	1.98	1 µg/Kg		
MPFNA	8673	2.00	1 µg/Kg		
MPFDA	7383	2.12	1 µg/Kg		
MPFUnA	8591	2.22	1 µg/Kg		
MPFDoA	9790	2.31	1 µg/Kg		
MPFTeDA	11900	2.46	1 µg/Kg		
M2 6:2 FTS	2027	1.83	1 µg/Kg		
M2 8:2 FTS	2034	2.10	1 µg/Kg		
13C6-PFHxA IS	39908	1.41	1 µg/Kg		
13C9-PFDA IS	37383	2.12	1 µg/Kg		

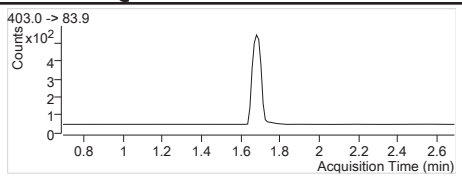
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	217	1.68	-	4.38 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1202	1.86	-	3.61 µg/Kg	-
PFOS 1	5520	1.97	-	89.16 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7735	1.41	-	100.64 µg/Kg	-
18O2-PFHxS	1579	1.68	-	110.86 µg/Kg	-
13C4-PFHpA	9519	1.68	-	113.53 µg/Kg	-
13C4-PFOA	8573	1.87	-	105.99 µg/Kg	-
13C4-PFOS	1793	1.98	-	102.40 µg/Kg	-
13C5-PFNA	8673	2.00	-	106.09 µg/Kg	-
13C2-PFDA	7383	2.12	-	105.38 µg/Kg	-
13C2-PFUnA	8591	2.22	-	106.31 µg/Kg	-
13C2-PFDoA	9790	2.31	-	105.65 µg/Kg	-
13C2-PFTeDA	11900	2.46	-	104.49 µg/Kg	-
13C2-6:2-FTS	2027	1.83	-	104.03 µg/Kg	-
13C2-8:2 FTS	2034	2.10	-	101.22 µg/Kg	-
13C6-PFHxA	39908	1.41	-	1125.09 µg/Kg	-
13C9-PFDA	37383	2.12	-	1166.65 µg/Kg	-



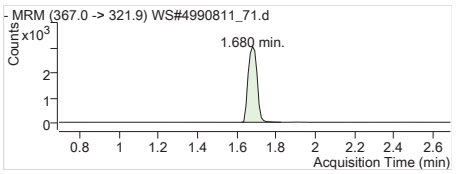


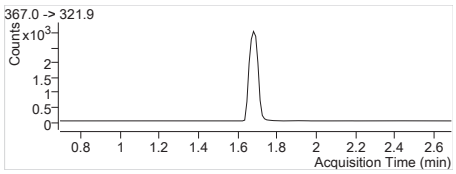
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



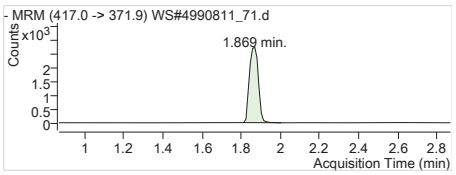


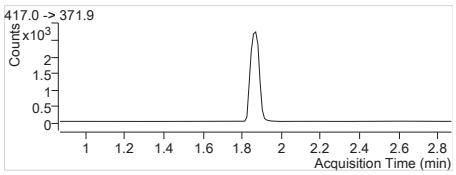
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



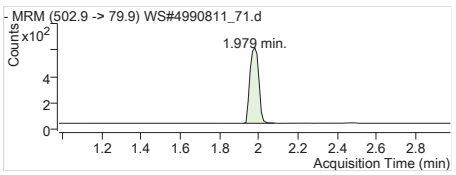


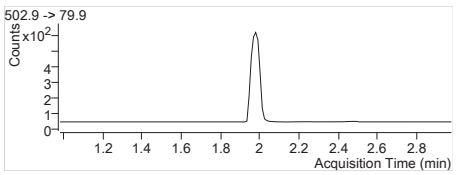
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



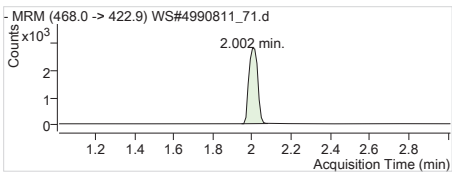


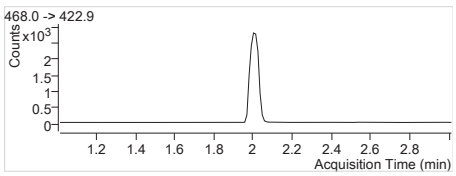
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



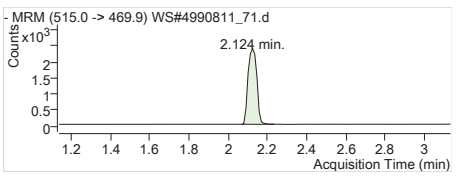


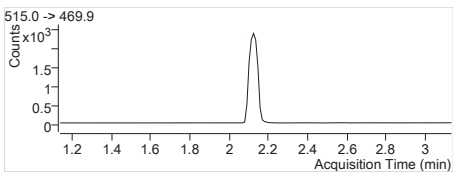
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



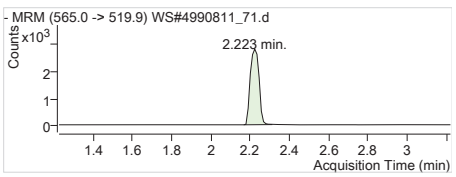


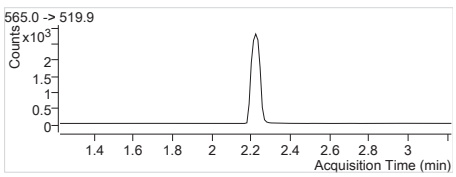
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



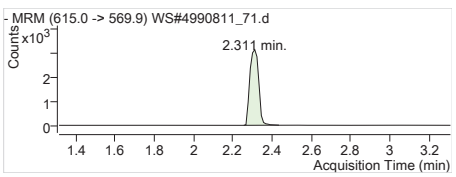


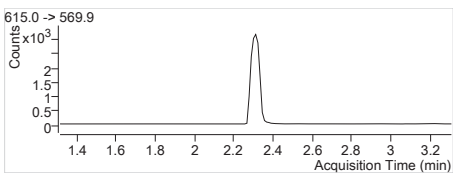
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



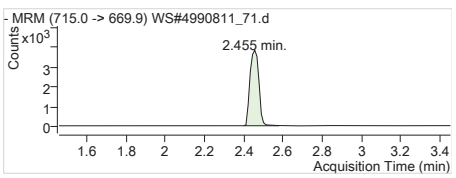


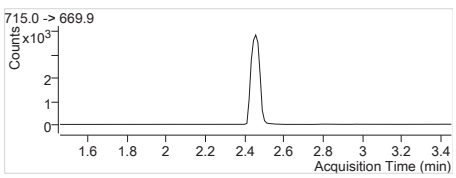
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



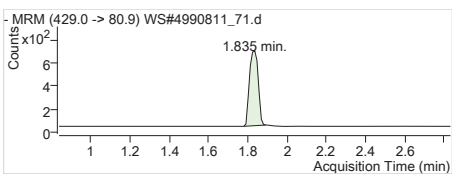


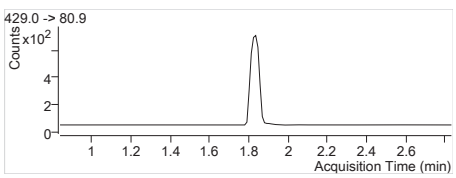
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



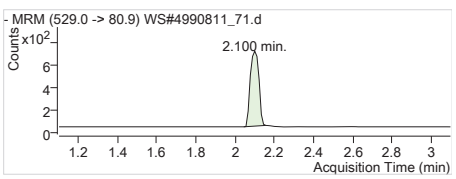


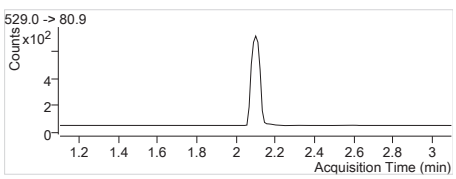
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



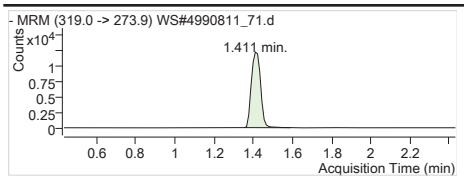


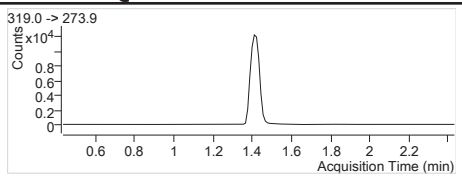
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



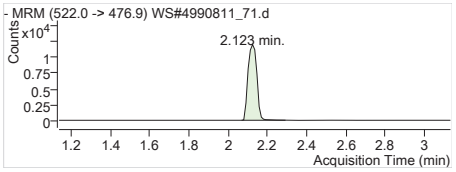


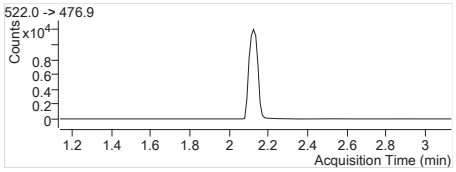
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



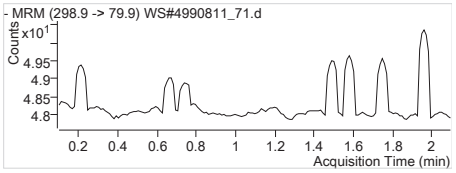


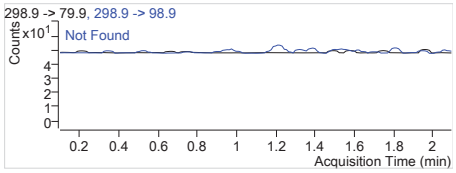
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



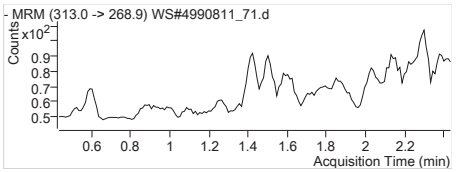


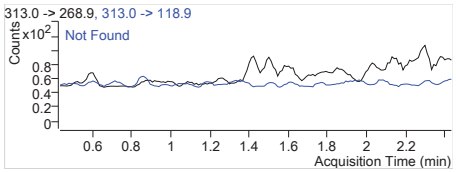
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



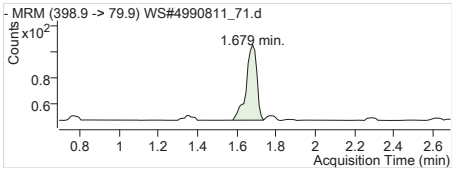


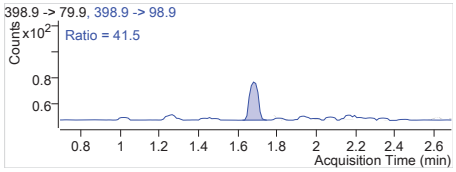
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



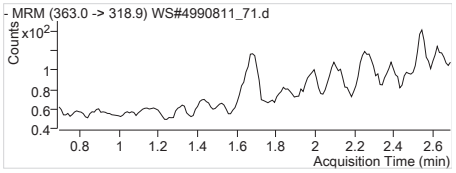


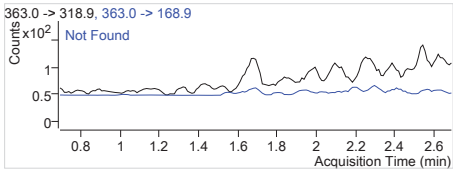
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



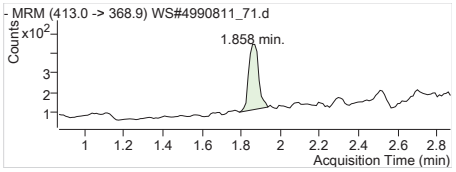


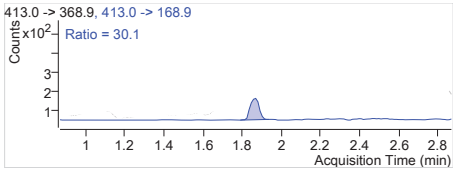
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 4.38 µg/Kg
Area ratio: 0.13743
Sample type: Sample



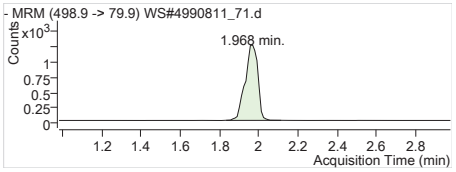


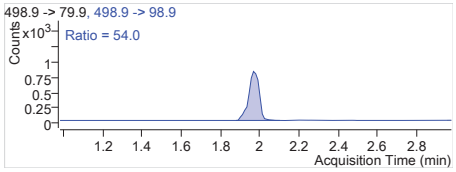
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



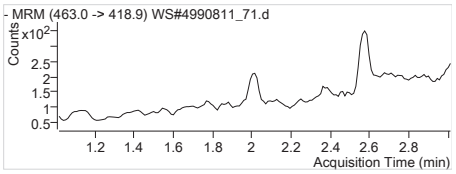


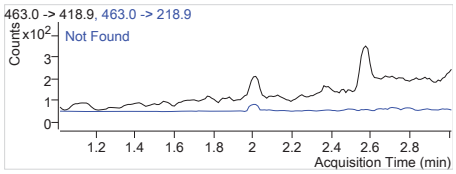
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.858 (1.869)
Calc. conc. 3.61 µg/Kg
Area ratio: 0.14021
Sample type: Sample



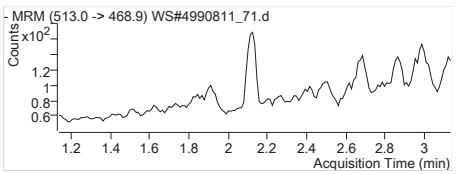


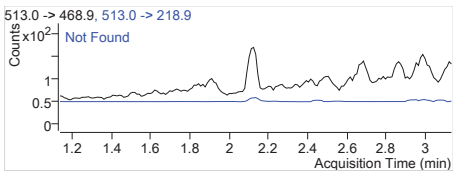
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 89.16 µg/Kg
Area ratio: 3.07864
Sample type: Sample



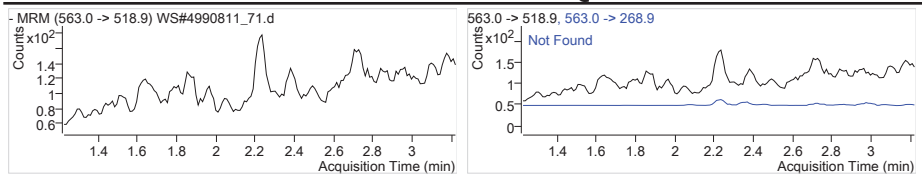


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

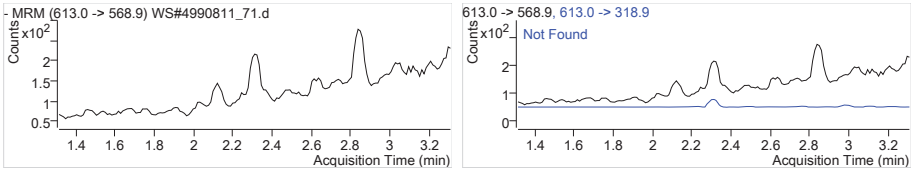




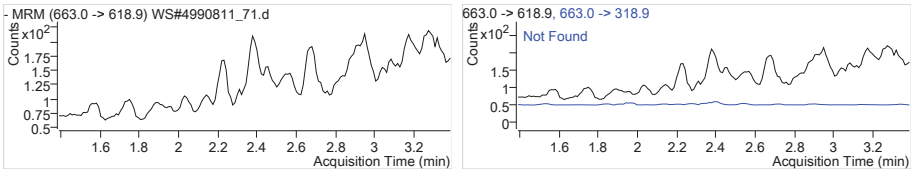
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



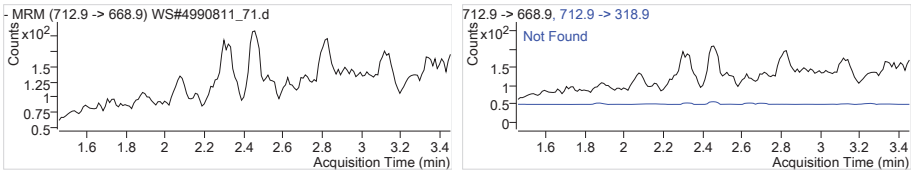
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



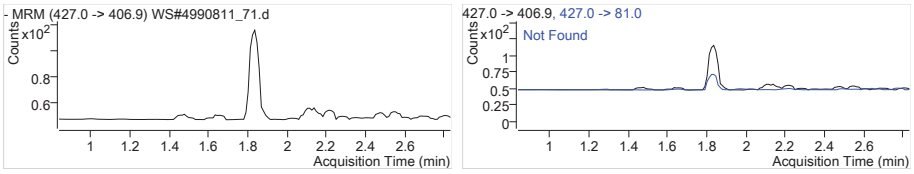
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



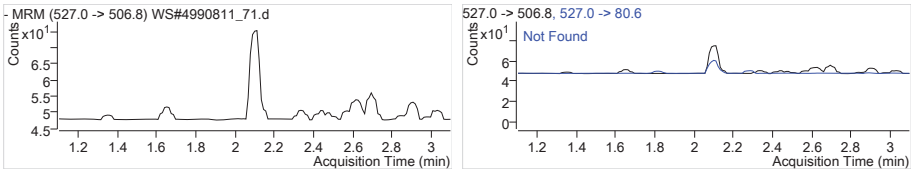
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



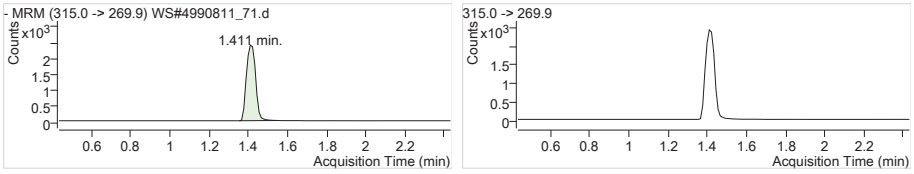
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



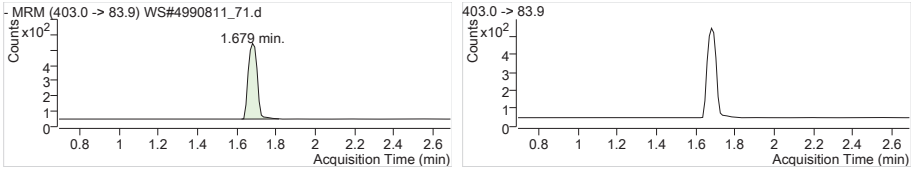
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



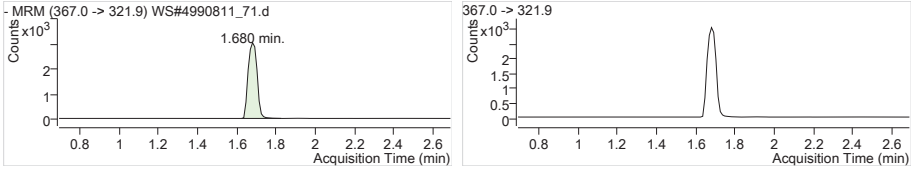
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



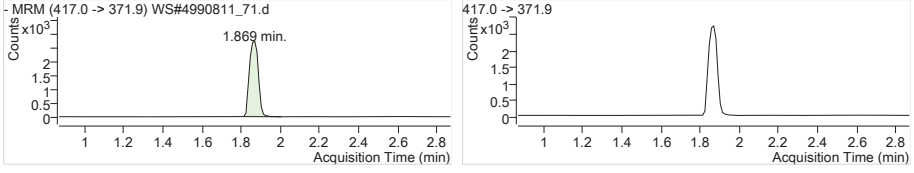
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 100.64 µg/Kg
Area ratio: 0.19382
Sample type: Sample



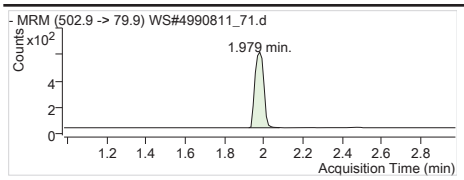
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 110.86 µg/Kg
Area ratio: 0.03957
Sample type: Sample

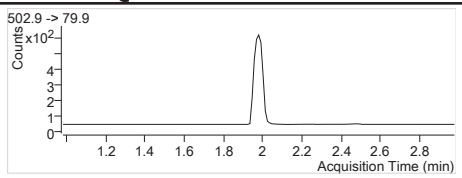


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 113.53 µg/Kg
Area ratio: 0.23852
Sample type: Sample

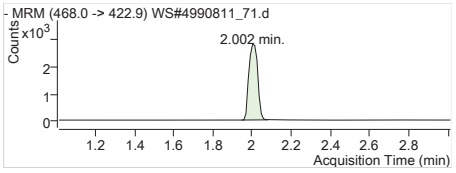


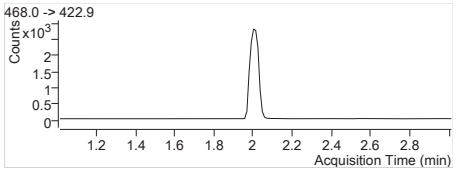
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 105.99 µg/Kg
Area ratio: 0.21482
Sample type: Sample



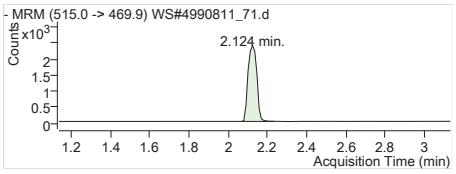


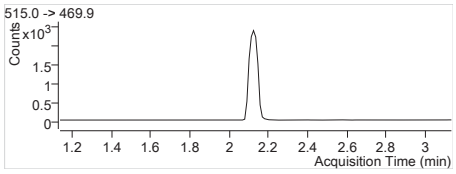
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 102.40 µg/Kg
Area ratio: 0.04493
Sample type: Sample



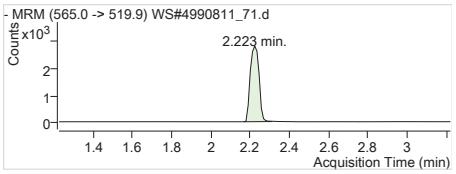


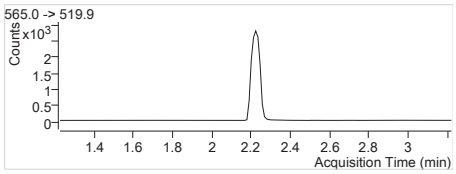
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 106.09 µg/Kg
Area ratio: 0.21732
Sample type: Sample



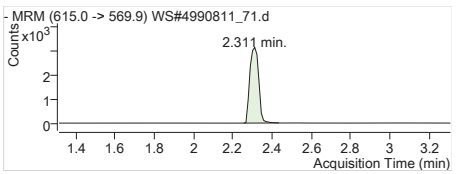


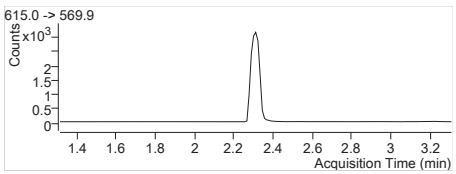
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 105.38 µg/Kg
Area ratio: 0.19750
Sample type: Sample



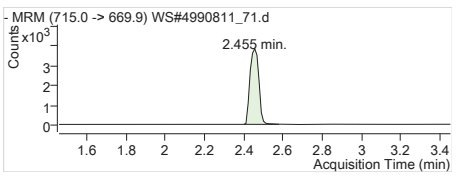


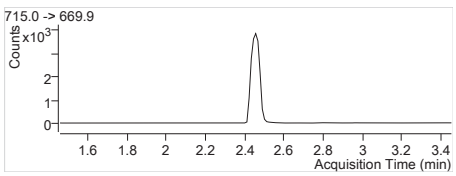
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 106.31 µg/Kg
Area ratio: 0.22981
Sample type: Sample



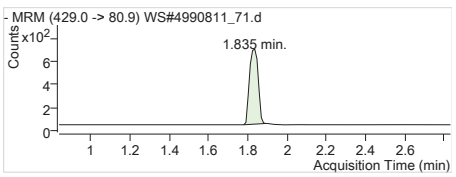


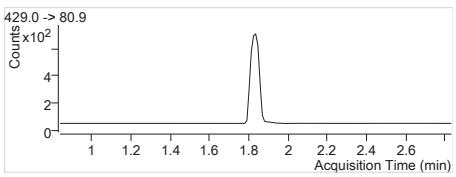
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 105.65 µg/Kg
Area ratio: 0.26188
Sample type: Sample



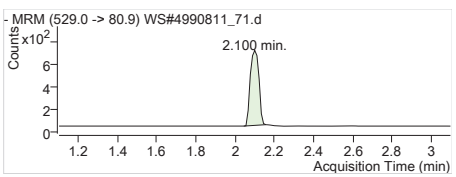


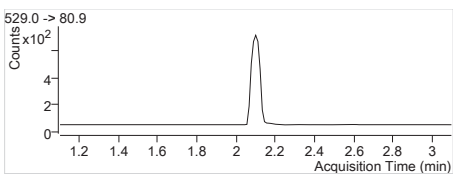
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 104.49 µg/Kg
Area ratio: 0.31833
Sample type: Sample



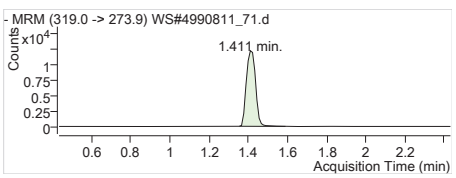


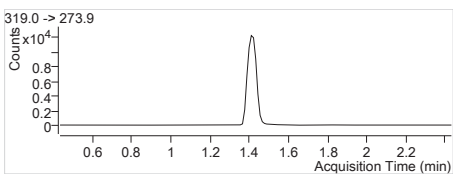
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 104.03 µg/Kg
Area ratio: 0.05079
Sample type: Sample



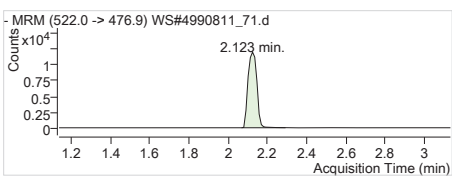


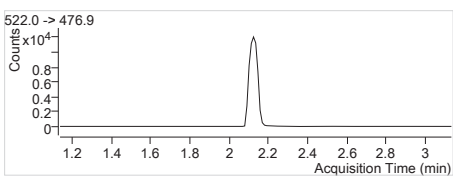
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 101.22 µg/Kg
Area ratio: 0.05097
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 1125.09 µg/Kg
Area ratio: 0
Sample type: Sample





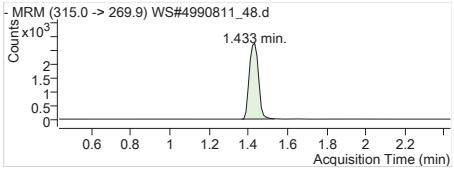
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 1166.65 µg/Kg
Area ratio: 0
Sample type: Sample

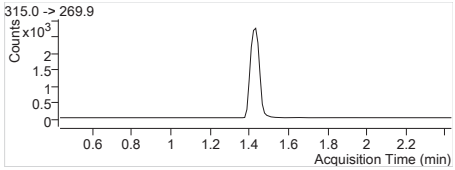
Batch Path T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI431-01**	**Instrument**	LCMS04
Data File	WS#4990811_48.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.137
Acq. Method	PFC_Soil.m	**Position**	P2-E3
Acq. Date	2017/05/25 12:08:07 AM	**Injection Volume**	Per Method
Sample Annotation	Reinjected for carry-over check		

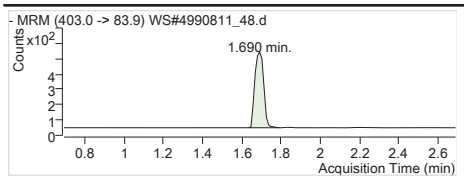
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8882	1.43	1 µg/Kg		
MPFHxS	1565	1.69	1 µg/Kg		
MPFHpA	10010	1.69	1 µg/Kg		
MPFOA	9768	1.87	1 µg/Kg		
MPFOS	1632	1.98	1 µg/Kg		
MPFNA	9181	2.01	1 µg/Kg		
MPFDA	7896	2.12	1 µg/Kg		
MPFUnA	8086	2.22	1 µg/Kg		
MPFDoA	7888	2.31	1 µg/Kg		
MPFTeDA	5414	2.46	1 µg/Kg		
M2 6:2 FTS	2419	1.83	1 µg/Kg		
M2 8:2 FTS	2045	2.10	1 µg/Kg		
13C6-PFHxA IS	41441	1.43	1 µg/Kg		
13C9-PFDA IS	36885	2.12	1 µg/Kg		

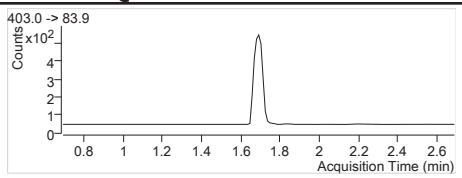
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	1660	1.69	-	2.46 µg/Kg	-
PFHpA 1	1254	1.69	-	0.42 µg/Kg	-
PFOA 1	8834	1.87	-	2.19 µg/Kg	-
PFOS 1	46657	1.97	-	82.81 µg/Kg	-
PFNA 1	1205	2.01	-	0.36 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	1524	1.84	-	1.58 µg/Kg	-
8:2-FTS 1	1088	2.10	-	1.54 µg/Kg	-
13C2-PFHxA	8882	1.43	-	111.29 µg/Kg	-
18O2-PFHxS	1565	1.69	-	105.81 µg/Kg	-
13C4-PFHpA	10010	1.69	-	114.97 µg/Kg	-
13C4-PFOA	9768	1.87	-	116.30 µg/Kg	-
13C4-PFOS	1632	1.98	-	89.76 µg/Kg	-
13C5-PFNA	9181	2.01	-	108.15 µg/Kg	-
13C2-PFDA	7896	2.12	-	114.22 µg/Kg	-
13C2-PFUnA	8086	2.22	-	101.41 µg/Kg	-
13C2-PFDoA	7888	2.31	-	86.27 µg/Kg	-
13C2-PFTeDA	5414	2.46	-	48.18 µg/Kg	-
13C2-6:2-FTS	2419	1.83	-	119.56 µg/Kg	-
13C2-8:2 FTS	2045	2.10	-	98.00 µg/Kg	-
13C6-PFHxA	41441	1.43	-	116.80 µg/Kg	-
13C9-PFDA	36885	2.12	-	115.08 µg/Kg	-



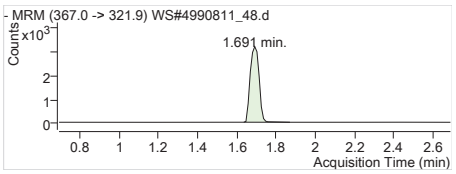


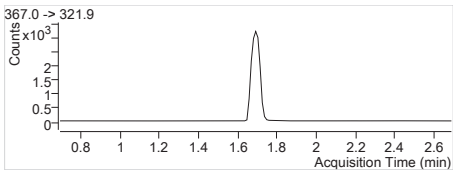
MPFHxA Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



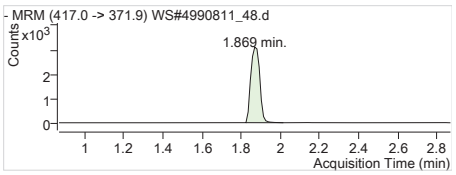


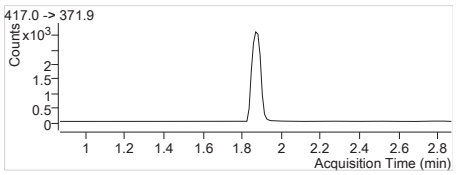
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



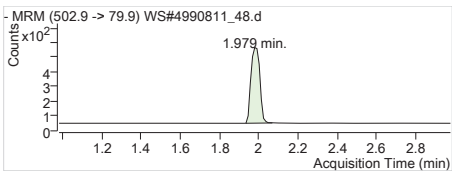


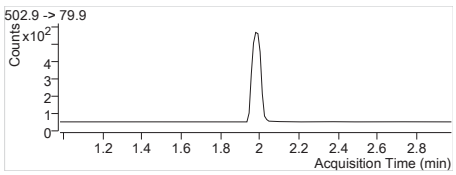
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



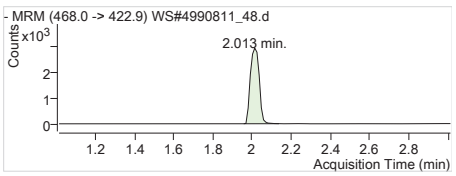


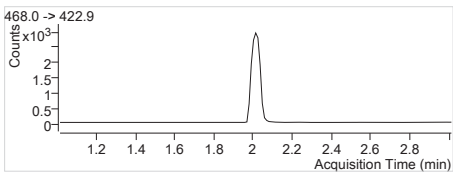
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



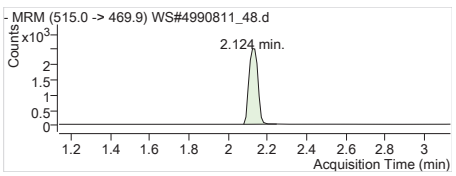


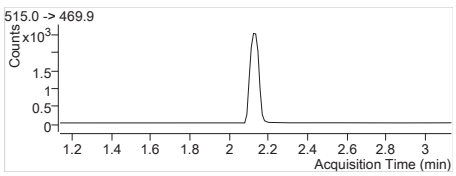
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



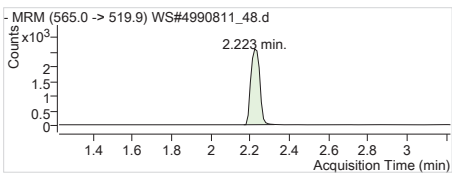


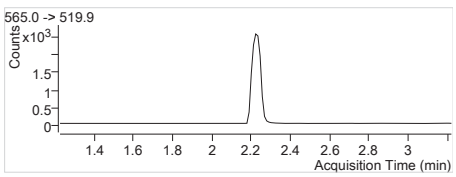
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



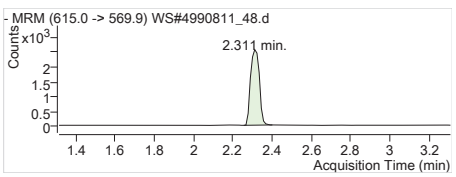


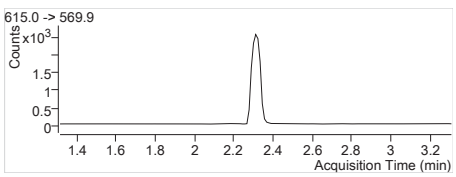
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



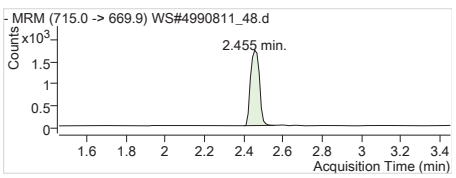


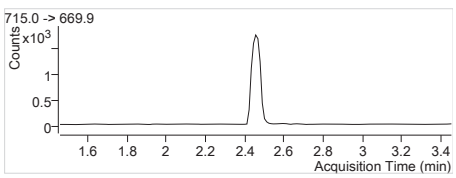
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



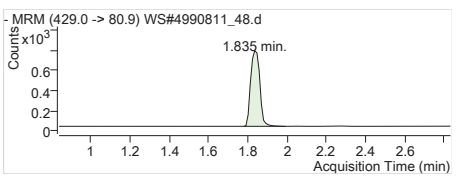


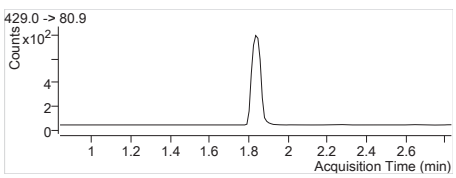
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



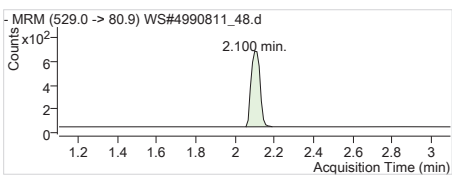


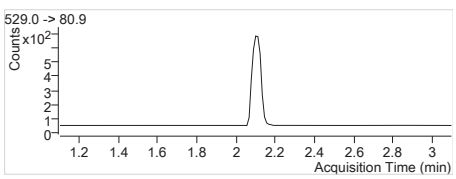
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



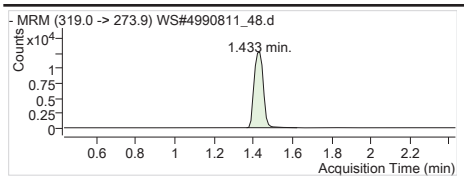


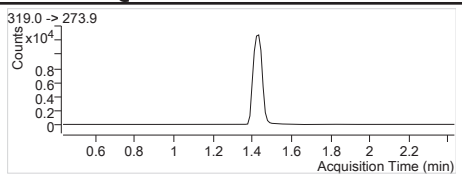
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



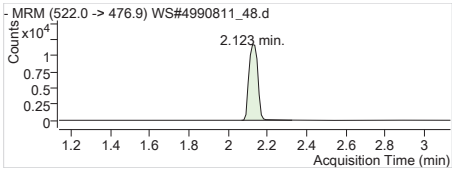


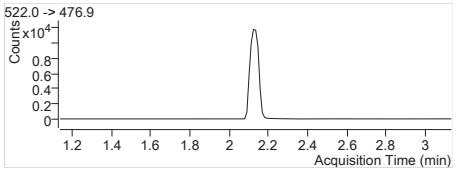
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



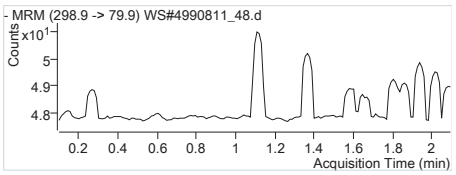


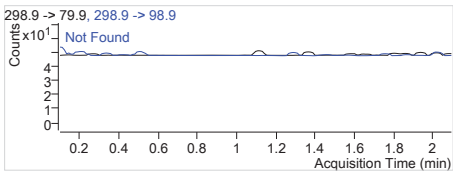
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



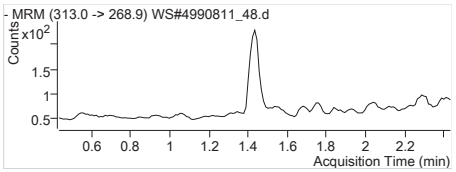


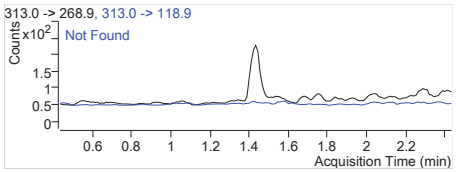
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



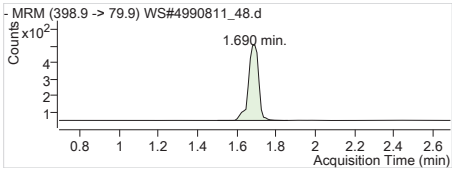


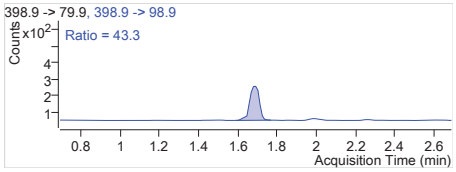
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



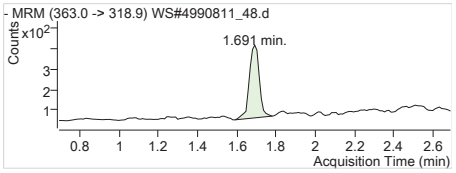


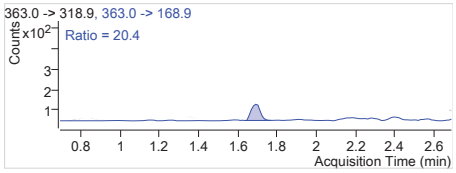
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



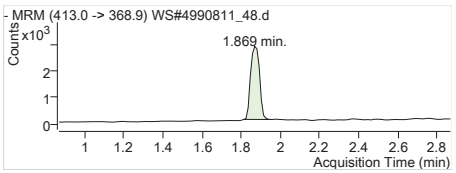


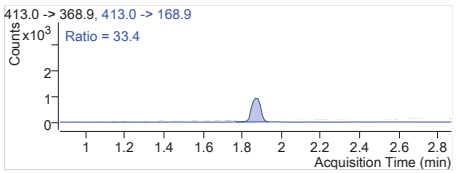
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 2.46 µg/Kg
Area ratio: 1.06070
Sample type: Sample



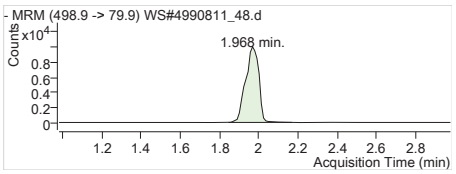


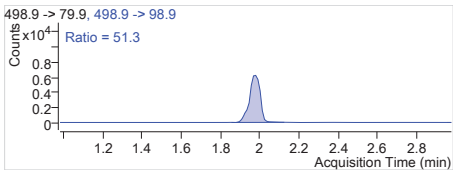
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 0.42 µg/Kg
Area ratio: 0.12527
Sample type: Sample



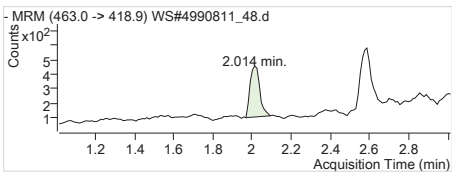


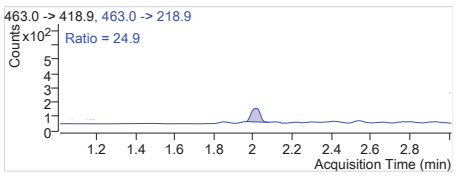
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 2.19 µg/Kg
Area ratio: 0.90438
Sample type: Sample



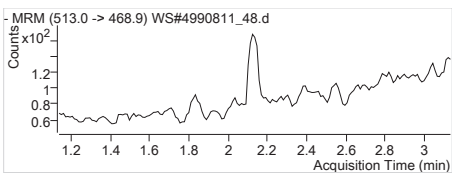


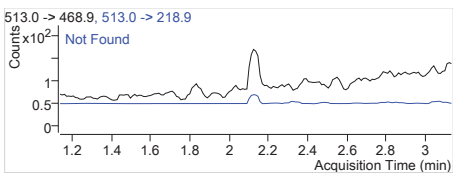
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 82.81 µg/Kg
Area ratio: 28.58885
Sample type: Sample



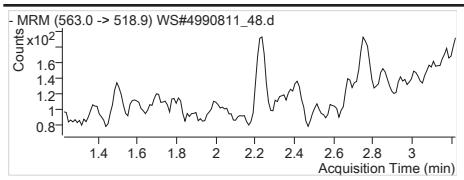


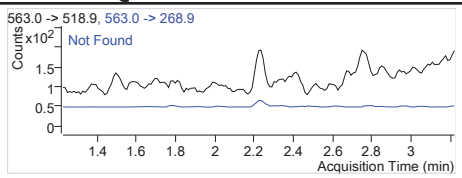
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.36 µg/Kg
Area ratio: 0.13125
Sample type: Sample



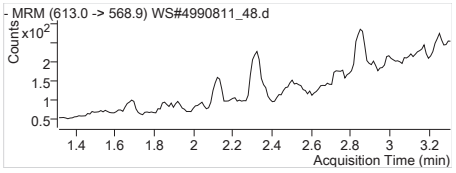


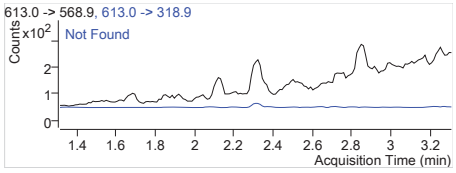
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



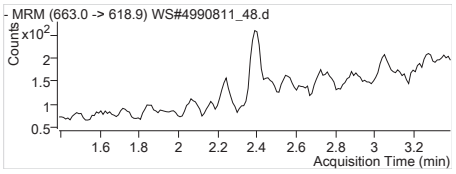


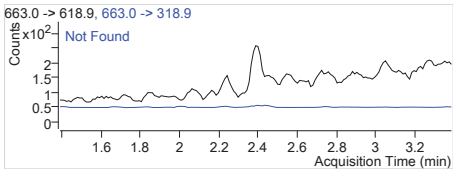
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



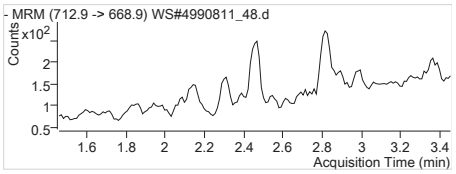


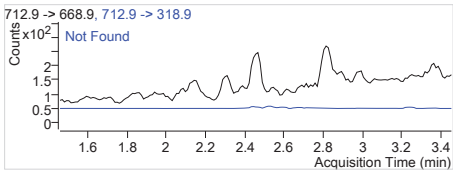
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



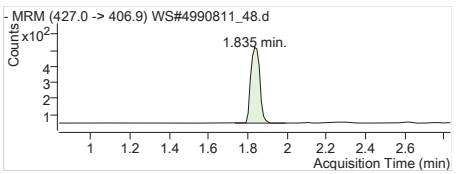


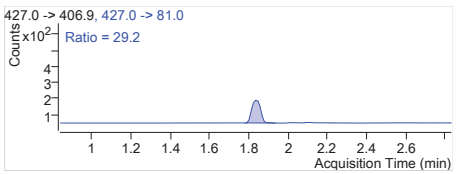
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



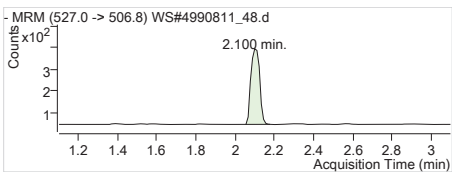


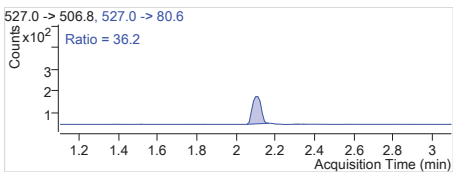
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



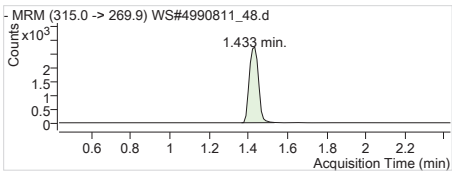


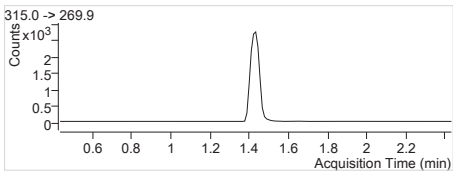
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 1.58 µg/Kg
Area ratio: 0.63001
Sample type: Sample



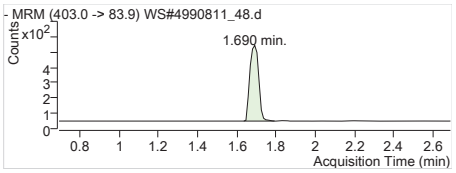


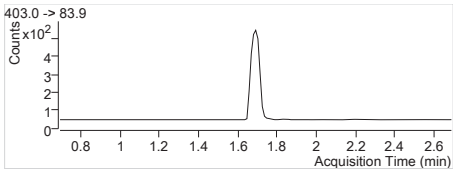
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 1.54 µg/Kg
Area ratio: 0.53203
Sample type: Sample



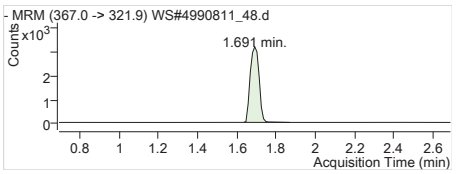


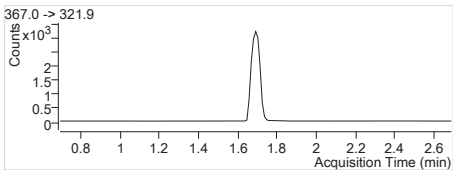
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 111.29 µg/Kg
Area ratio: 0.21433
Sample type: Sample



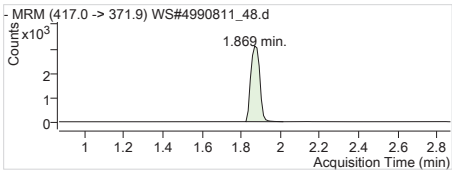


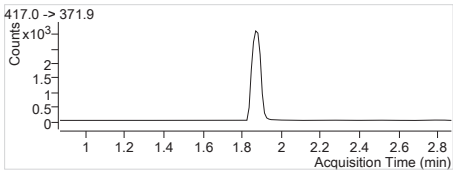
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 105.81 µg/Kg
Area ratio: 0.03776
Sample type: Sample



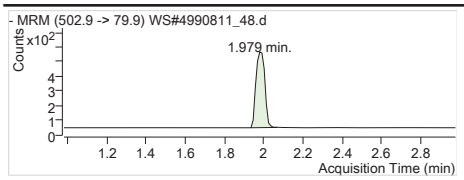


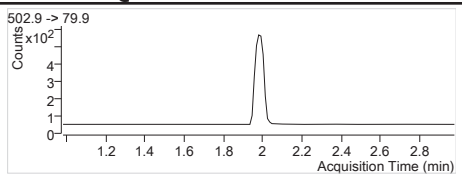
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 114.97 µg/Kg
Area ratio: 0.24155
Sample type: Sample



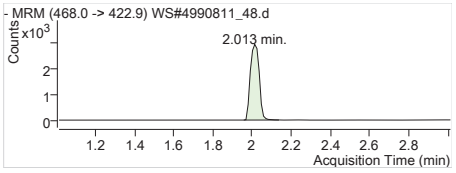


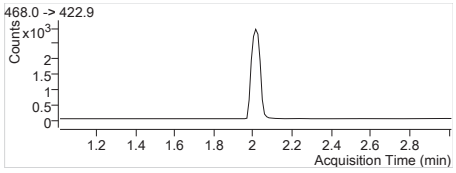
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 116.30 µg/Kg
Area ratio: 0.23571
Sample type: Sample



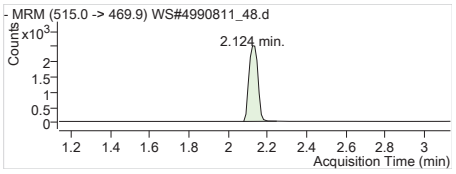


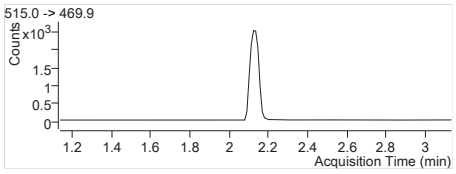
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	89.76 µg/Kg
Area ratio:	0.03938
Sample type:	Sample



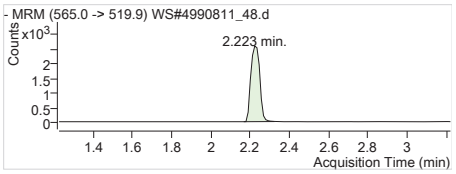


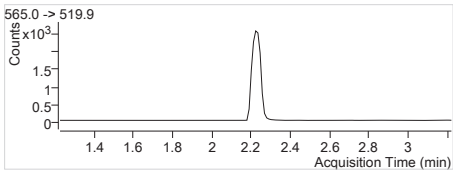
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	108.15 µg/Kg
Area ratio:	0.22154
Sample type:	Sample



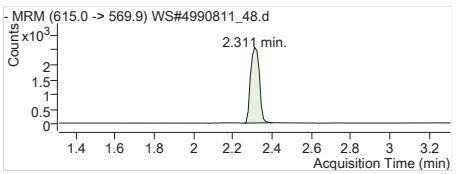


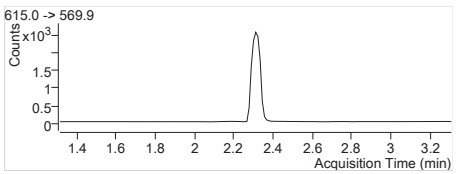
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.124 (2.135)
Calc. conc.	114.22 µg/Kg
Area ratio:	0.21407
Sample type:	Sample



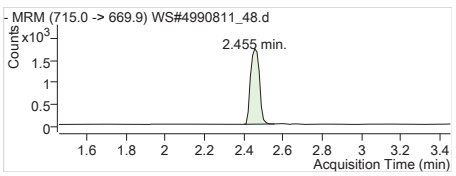


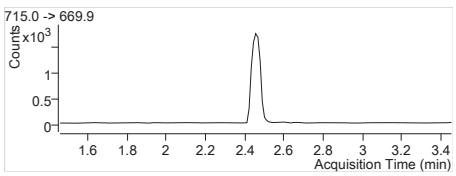
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	101.41 µg/Kg
Area ratio:	0.21922
Sample type:	Sample



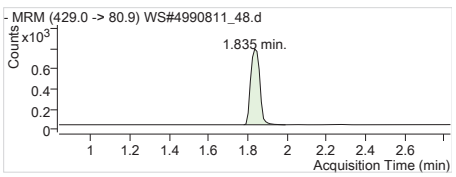


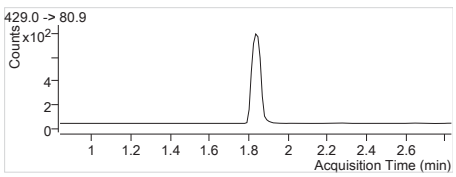
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	86.27 µg/Kg
Area ratio:	0.21385
Sample type:	Sample



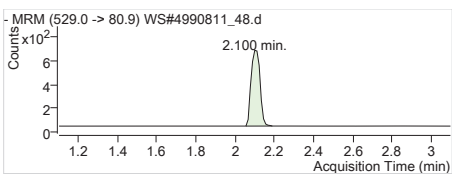


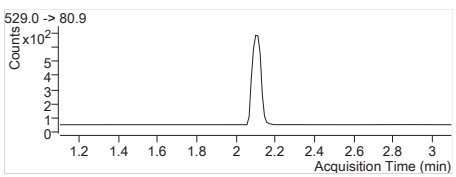
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	48.18 µg/Kg
Area ratio:	0.14678
Sample type:	Sample



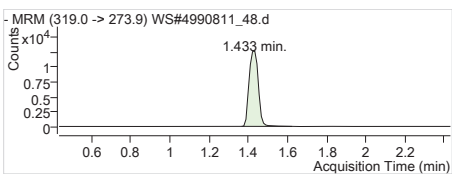


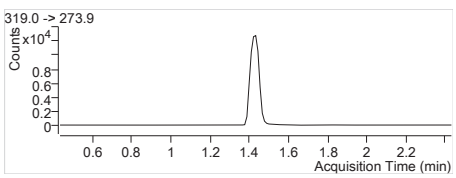
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	119.56 µg/Kg
Area ratio:	0.05837
Sample type:	Sample



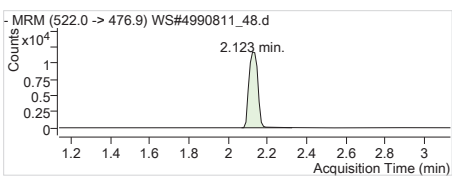


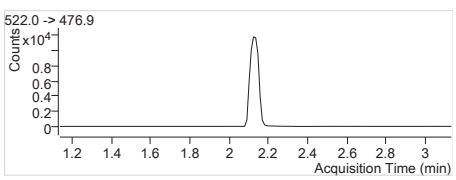
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	98.00 µg/Kg
Area ratio:	0.04935
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	116.80 µg/Kg
Area ratio:	0
Sample type:	Sample





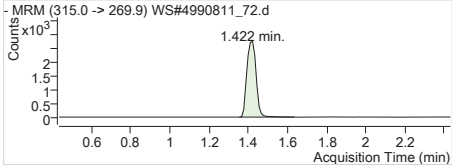
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.134)
Calc. conc.	115.08 µg/Kg
Area ratio:	0
Sample type:	Sample

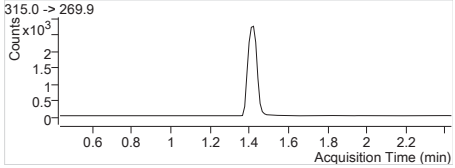
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI431-01**	**Instrument**	LCMS04
Data File	WS#4990811_72.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.137
Acq. Method	PFC_Soil.m	**Position**	P2-E3
Acq. Date	2017/05/25 3:35:07 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except PFOS.		

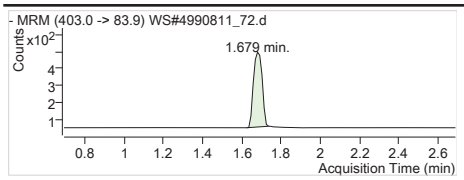
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8953	1.42	1 µg/Kg		
MPFHxS	1367	1.68	1 µg/Kg		
MPFHpA	10350	1.68	1 µg/Kg		
MPFOA	9836	1.87	1 µg/Kg		
MPFOS	1805	1.98	1 µg/Kg		
MPFNA	9786	2.00	1 µg/Kg		
MPFDA	7478	2.12	1 µg/Kg		
MPFUnA	8284	2.22	1 µg/Kg		
MPFDoA	8669	2.31	1 µg/Kg		
MPFTeDA	5320	2.46	1 µg/Kg		
M2 6:2 FTS	2425	1.83	1 µg/Kg		
M2 8:2 FTS	2163	2.10	1 µg/Kg		
13C6-PFHxA IS	38802	1.42	1 µg/Kg		
13C9-PFDA IS	37161	2.12	1 µg/Kg		

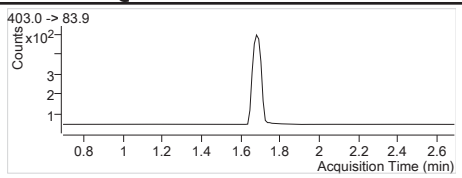
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	1631	1.68	-	2.75 µg/Kg	-
PFHpA 1	1246	1.68	-	0.41 µg/Kg	-
PFOA 1	9331	1.87	-	2.30 µg/Kg	-
PFOS 1	45559	1.96	-	73.11 µg/Kg	-
PFNA 1	1183	2.00	-	0.33 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	1414	1.84	-	1.45 µg/Kg	-
8:2-FTS 1	1188	2.10	-	1.59 µg/Kg	-
13C2-PFHxA	8953	1.42	-	119.81 µg/Kg	-
18O2-PFHxS	1367	1.68	-	98.71 µg/Kg	-
13C4-PFHpA	10350	1.68	-	126.95 µg/Kg	-
13C4-PFOA	9836	1.87	-	125.07 µg/Kg	-
13C4-PFOS	1805	1.98	-	106.02 µg/Kg	-
13C5-PFNA	9786	2.00	-	123.12 µg/Kg	-
13C2-PFDA	7478	2.12	-	107.37 µg/Kg	-
13C2-PFUnA	8284	2.22	-	103.12 µg/Kg	-
13C2-PFDoA	8669	2.31	-	94.11 µg/Kg	-
13C2-PFTeDA	5320	2.46	-	46.99 µg/Kg	-
13C2-6:2-FTS	2425	1.83	-	128.01 µg/Kg	-
13C2-8:2 FTS	2163	2.10	-	110.70 µg/Kg	-
13C6-PFHxA	38802	1.42	-	109.36 µg/Kg	-
13C9-PFDA	37161	2.12	-	115.94 µg/Kg	-



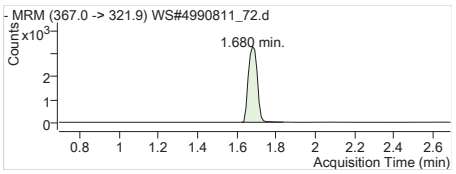


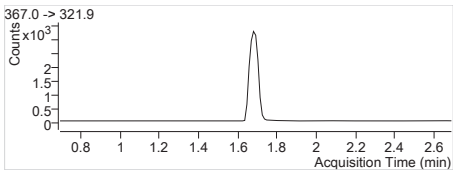
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



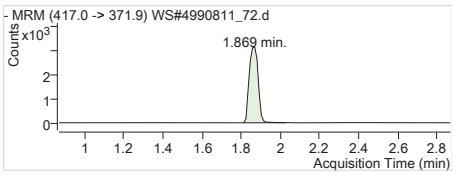


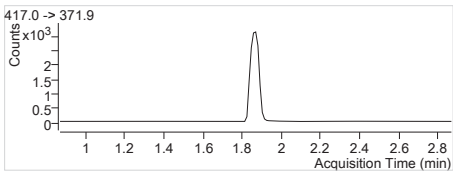
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



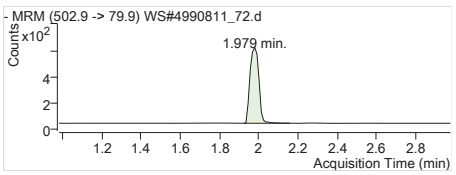


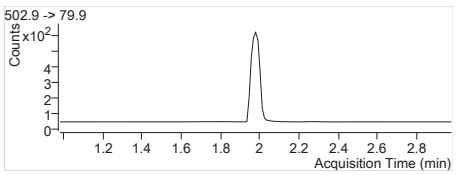
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



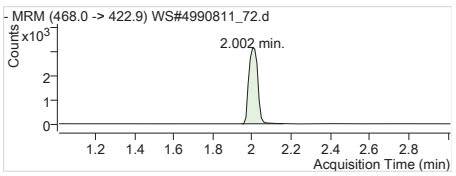


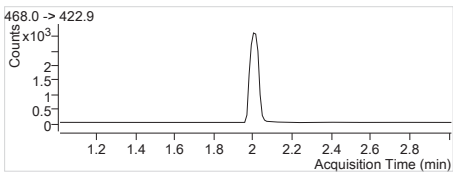
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



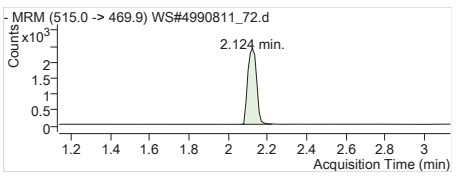


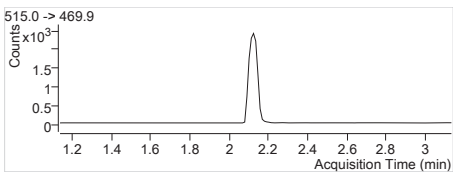
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



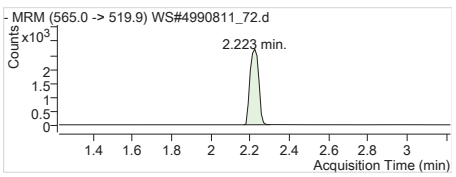


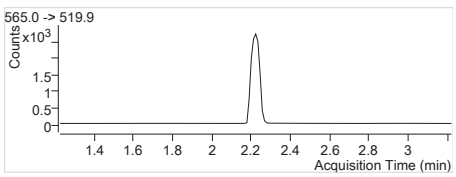
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



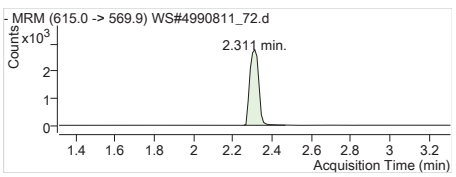


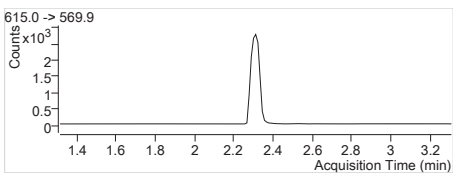
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



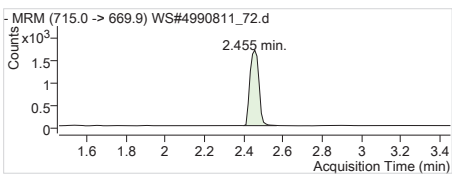


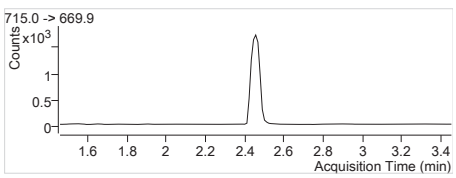
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



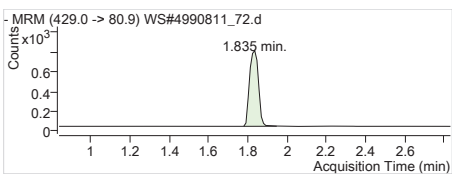


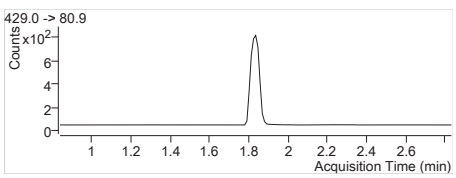
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



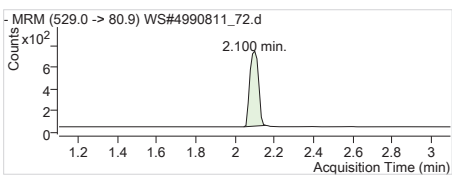


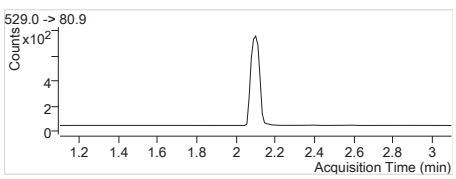
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



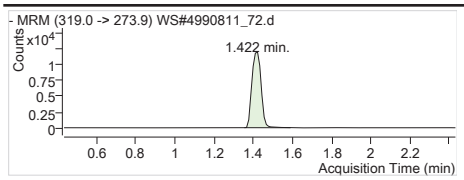


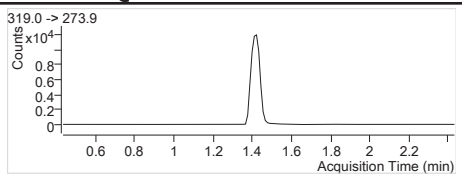
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



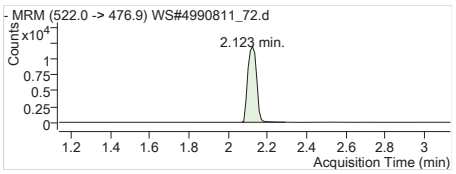


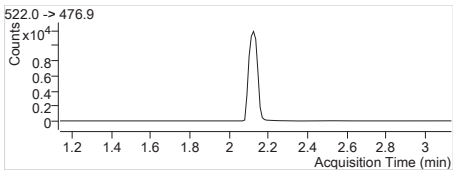
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



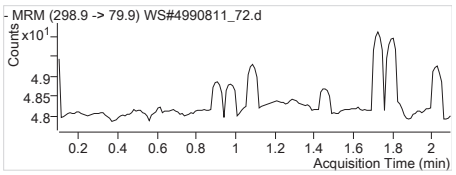


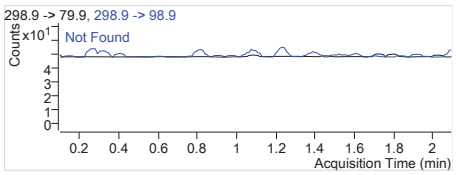
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



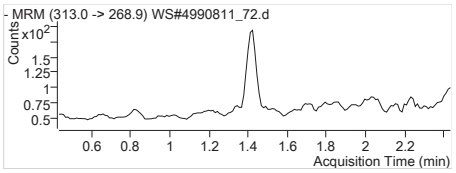


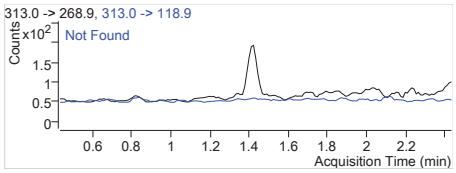
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



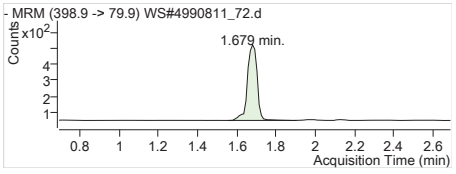


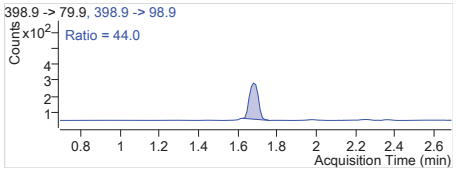
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



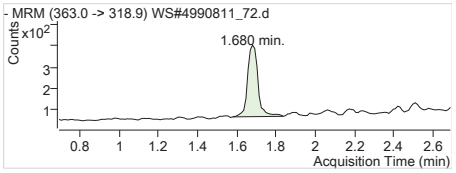


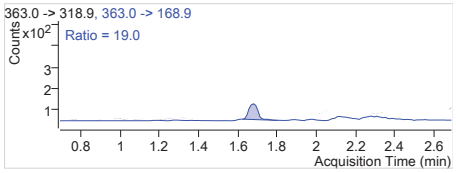
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



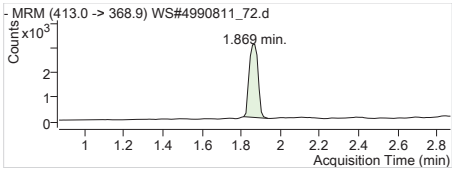


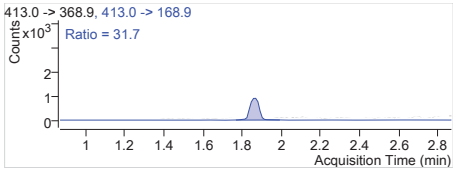
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 2.75 µg/Kg
Area ratio: 1.19312
Sample type: Sample



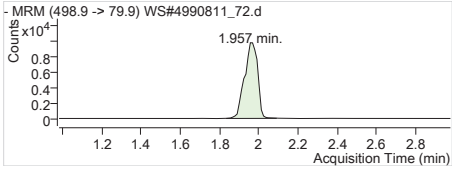


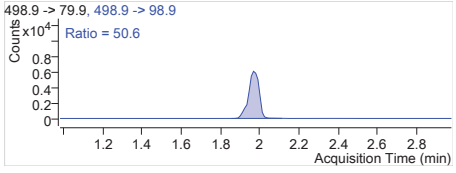
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 0.41 µg/Kg
Area ratio: 0.12039
Sample type: Sample



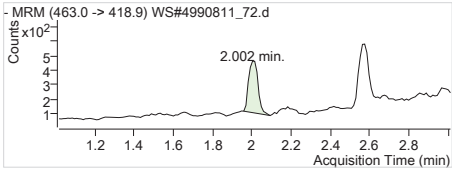


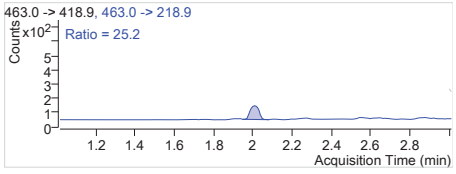
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 2.30 µg/Kg
Area ratio: 0.94866
Sample type: Sample



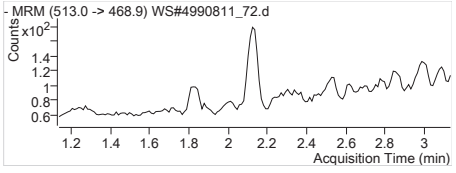


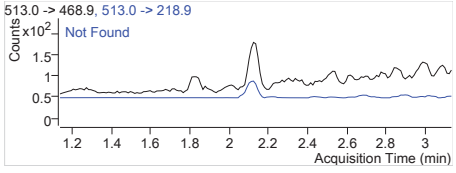
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.957 (1.979)
Calc. conc. 73.11 µg/Kg
Area ratio: 25.24044
Sample type: Sample



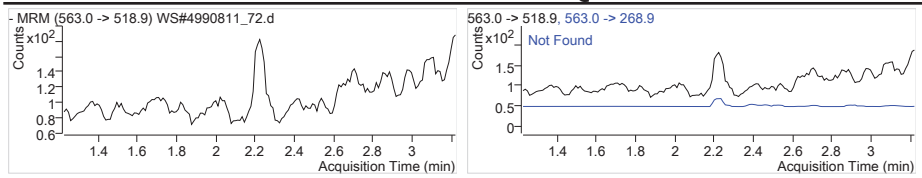


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.002 (2.014)
Calc. conc. 0.33 µg/Kg
Area ratio: 0.12089
Sample type: Sample

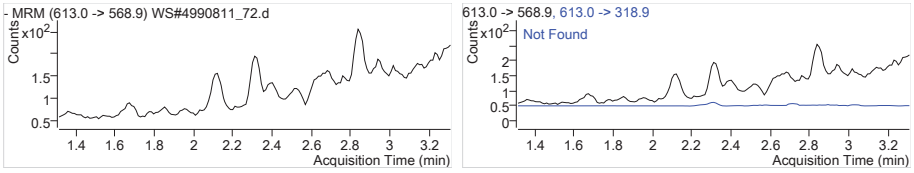




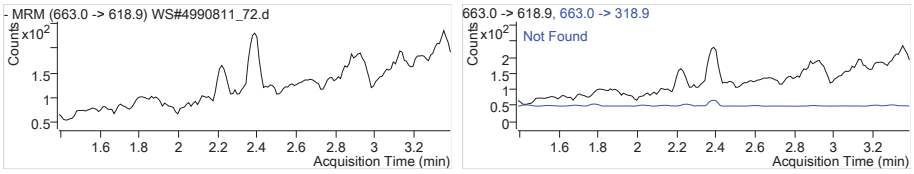
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



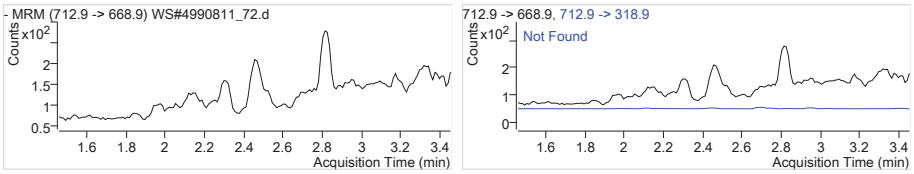
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



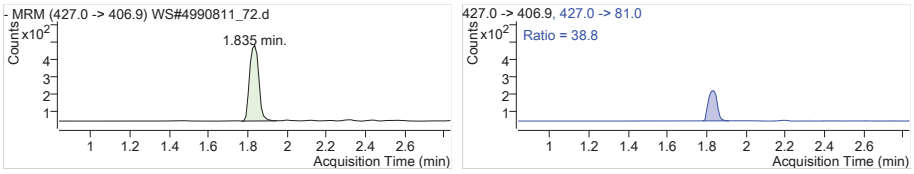
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



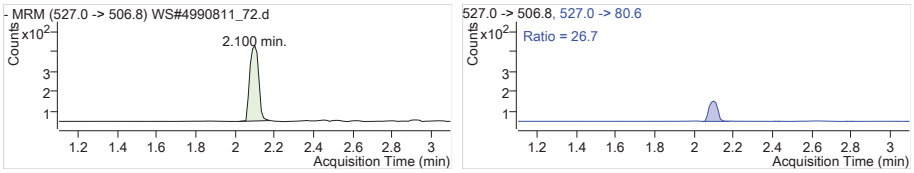
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



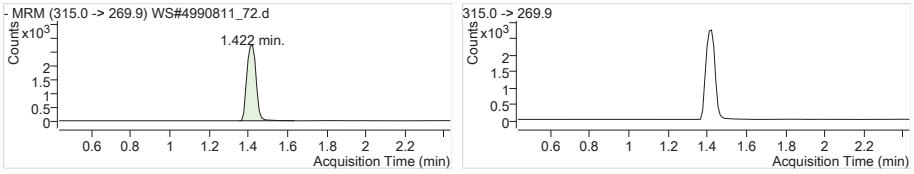
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



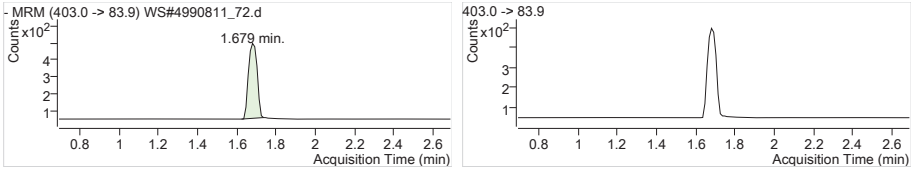
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 1.45 µg/Kg
Area ratio: 0.58309
Sample type: Sample



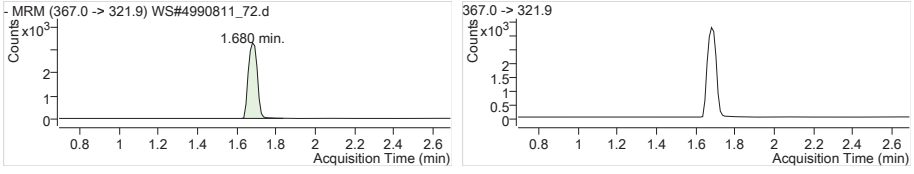
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 1.59 µg/Kg
Area ratio: 0.54924
Sample type: Sample



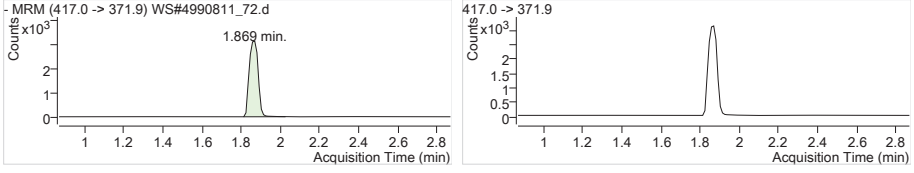
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 119.81 µg/Kg
Area ratio: 0.23074
Sample type: Sample



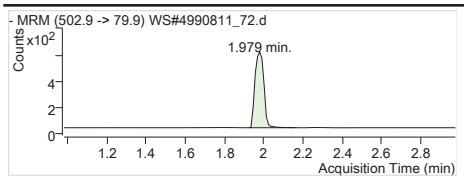
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 98.71 µg/Kg
Area ratio: 0.03523
Sample type: Sample

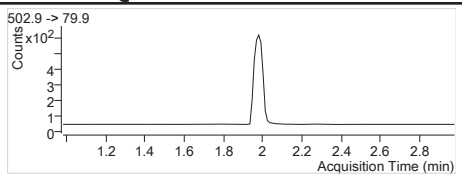


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 126.95 µg/Kg
Area ratio: 0.26674
Sample type: Sample

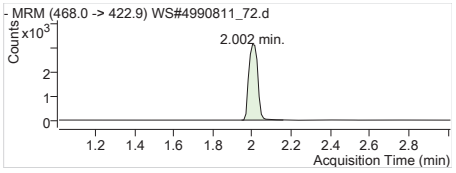


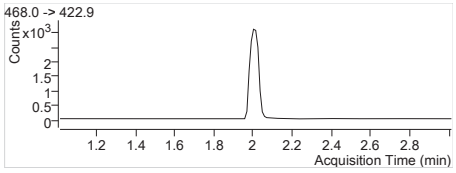
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 125.07 µg/Kg
Area ratio: 0.25349
Sample type: Sample



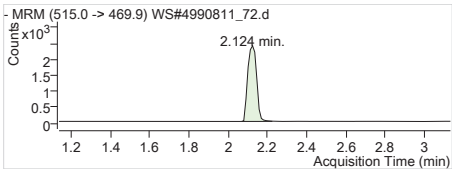


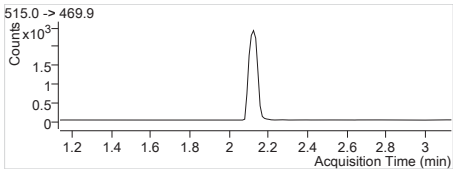
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 106.02 µg/Kg
Area ratio: 0.04652
Sample type: Sample



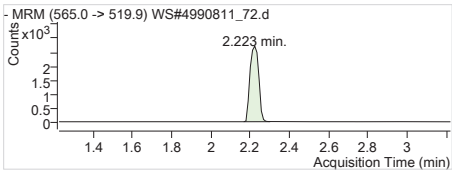


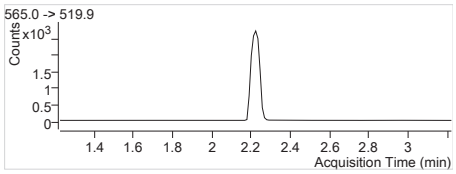
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 123.12 µg/Kg
Area ratio: 0.25220
Sample type: Sample



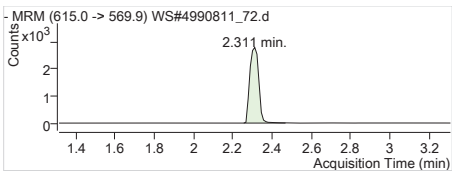


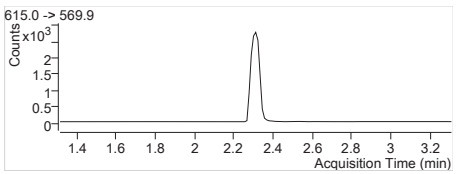
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 107.37 µg/Kg
Area ratio: 0.20123
Sample type: Sample



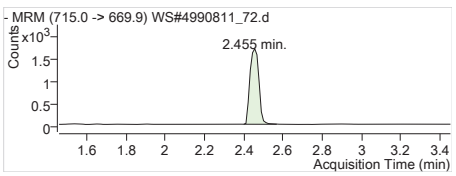


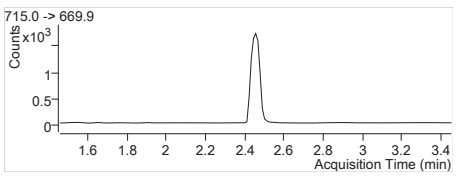
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 103.12 µg/Kg
Area ratio: 0.22292
Sample type: Sample



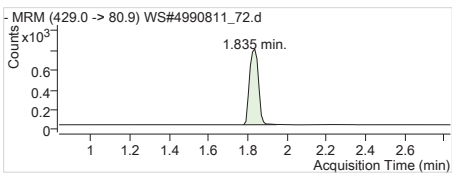


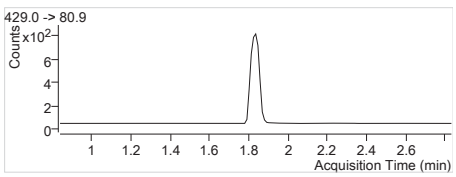
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 94.11 µg/Kg
Area ratio: 0.23328
Sample type: Sample



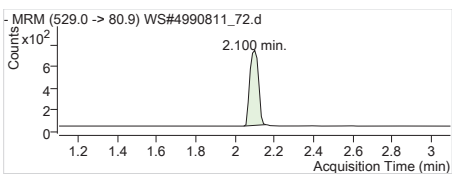


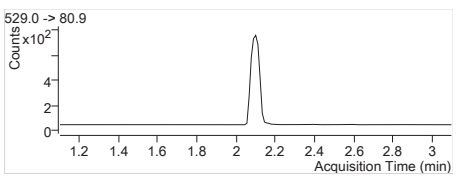
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 46.99 µg/Kg
Area ratio: 0.14316
Sample type: Sample



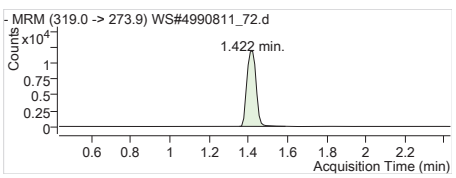


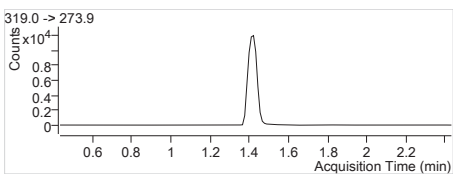
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 128.01 µg/Kg
Area ratio: 0.06250
Sample type: Sample



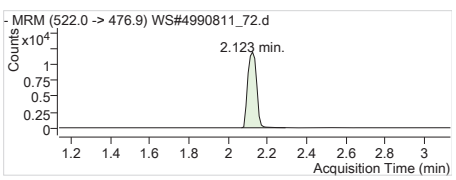


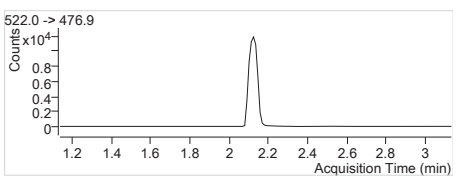
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 110.70 µg/Kg
Area ratio: 0.05574
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 109.36 µg/Kg
Area ratio: 0
Sample type: Sample





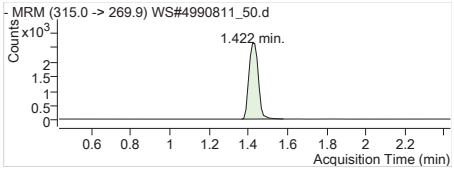
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 115.94 µg/Kg
Area ratio: 0
Sample type: Sample

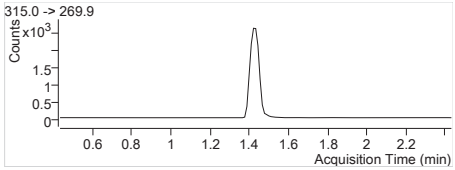
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI433-01**	**Instrument**	LCMS04
Data File	WS#4990811_50.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.109
Acq. Method	PFC_Soil.m	**Position**	P2-E4
Acq. Date	2017/05/25 12:17:55 AM	**Injection Volume**	Per Method
Sample Annotation	-		

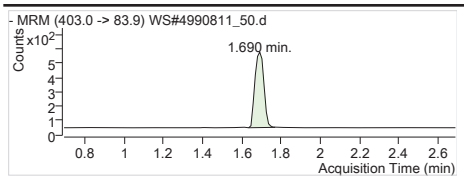
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8592	1.42	1 µg/Kg		
MPFHxS	1685	1.69	1 µg/Kg		
MPFHpA	9424	1.69	1 µg/Kg		
MPFOA	9328	1.87	1 µg/Kg		
MPFOS	1808	1.98	1 µg/Kg		
MPFNA	9124	2.01	1 µg/Kg		
MPFDA	7868	2.13	1 µg/Kg		
MPFUnA	8623	2.22	1 µg/Kg		
MPFDoA	9024	2.31	1 µg/Kg		
MPFTeDA	11070	2.46	1 µg/Kg		
M2 6:2 FTS	2335	1.83	1 µg/Kg		
M2 8:2 FTS	2240	2.10	1 µg/Kg		
13C6-PFHxA IS	41476	1.43	1 µg/Kg		
13C9-PFDA IS	37457	2.13	1 µg/Kg		

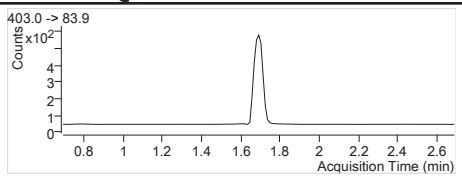
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	518	1.87	-	0.15 µg/Kg	-
PFOS 1	8454	1.98	-	13.21 µg/Kg	-
PFNA 1	2588	2.01	-	0.75 µg/Kg	-
PFDA 1	1069	2.12	-	0.19 µg/Kg	-
PFUnA 1	838	2.22	-	0.30 µg/Kg	-
PFDoA 1			-	ND	-
PFTrDA 1	828	2.39	-	0.18 µg/Kg	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8592	1.42	-	107.57 µg/Kg	-
18O2-PFHxS	1685	1.69	-	113.83 µg/Kg	-
13C4-PFHpA	9424	1.69	-	108.14 µg/Kg	-
13C4-PFOA	9328	1.87	-	110.97 µg/Kg	-
13C4-PFOS	1808	1.98	-	99.35 µg/Kg	-
13C5-PFNA	9124	2.01	-	107.39 µg/Kg	-
13C2-PFDA	7868	2.13	-	112.08 µg/Kg	-
13C2-PFUnA	8623	2.22	-	106.49 µg/Kg	-
13C2-PFDoA	9024	2.31	-	97.19 µg/Kg	-
13C2-PFTeDA	11070	2.46	-	97.01 µg/Kg	-
13C2-6:2-FTS	2335	1.83	-	115.31 µg/Kg	-
13C2-8:2 FTS	2240	2.10	-	107.25 µg/Kg	-
13C6-PFHxA	41476	1.43	-	114.02 µg/Kg	-
13C9-PFDA	37457	2.13	-	113.99 µg/Kg	-



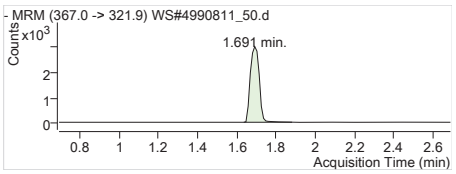


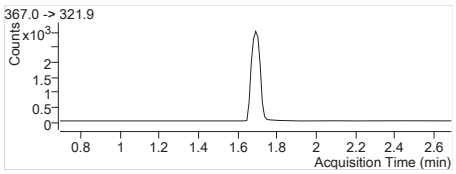
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



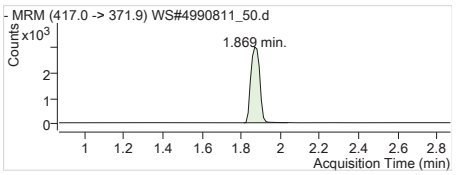


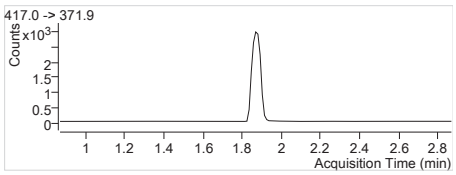
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



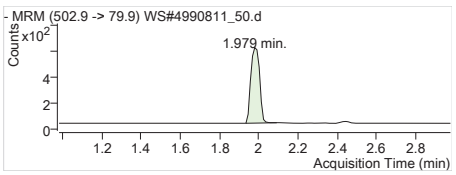


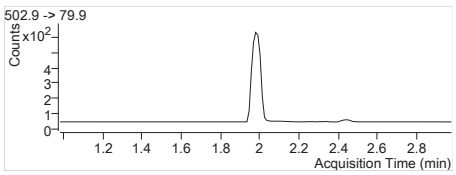
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



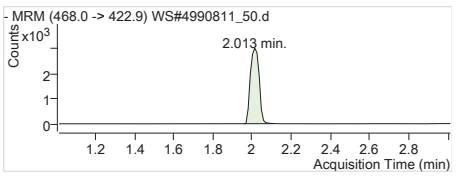


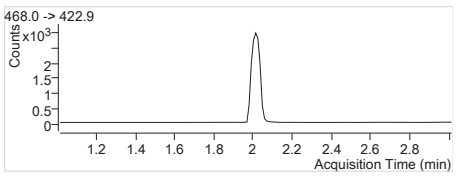
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



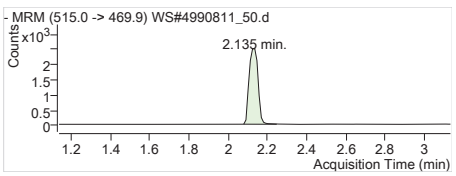


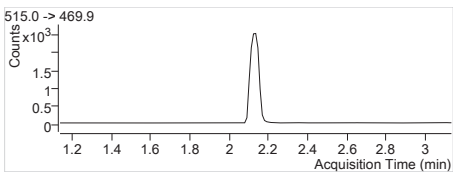
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



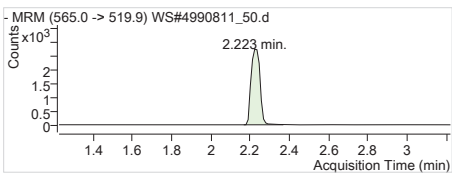


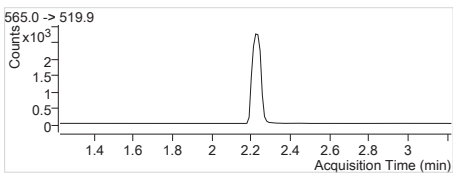
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



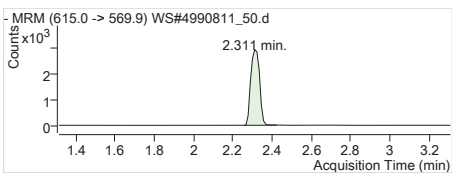


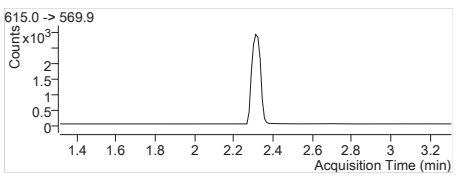
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



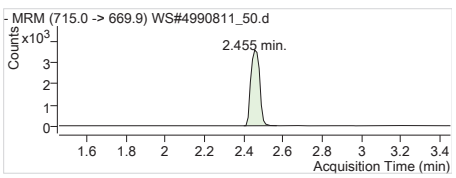


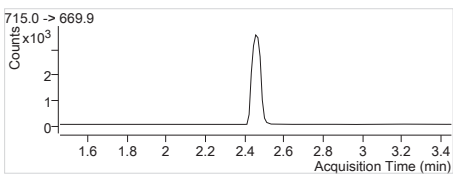
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



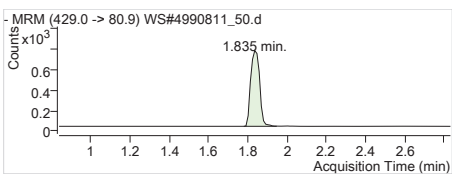


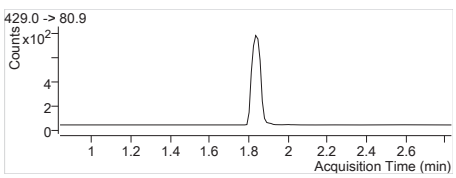
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



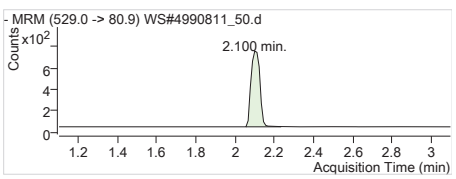


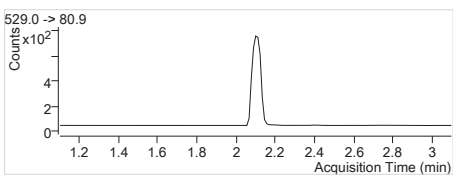
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



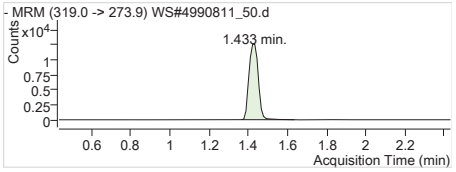


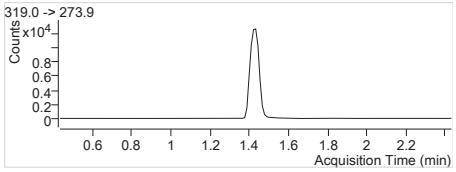
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



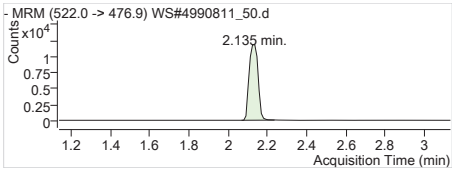


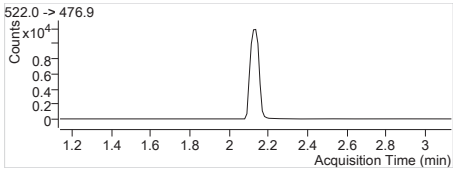
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



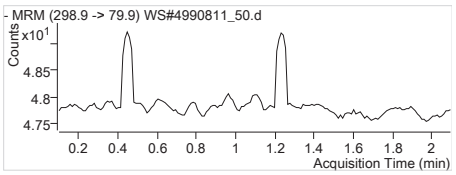


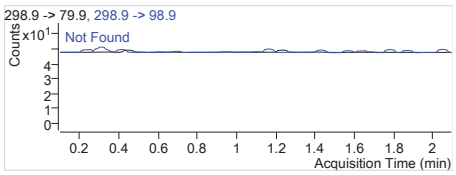
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



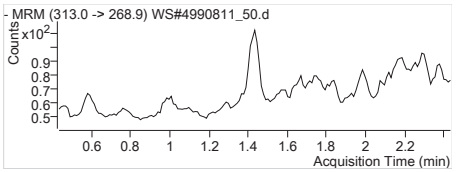


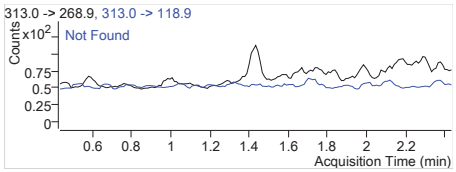
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



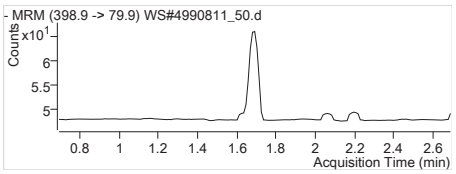


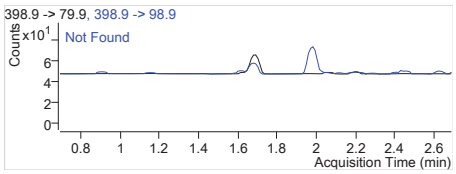
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



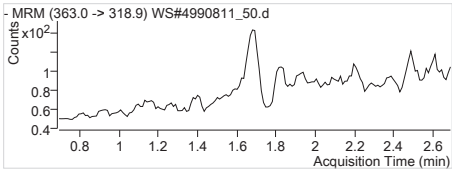


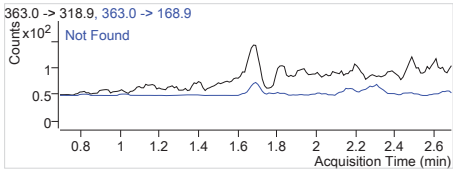
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



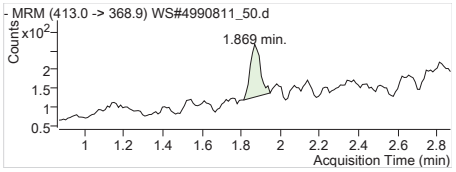


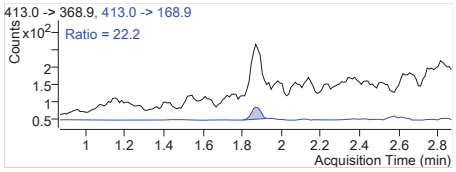
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



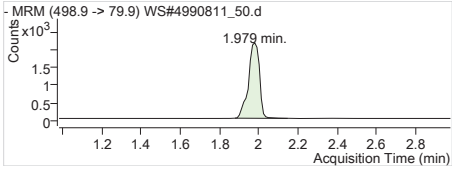


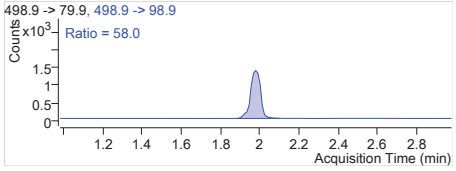
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



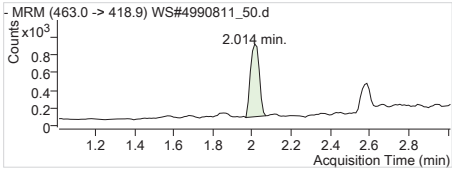


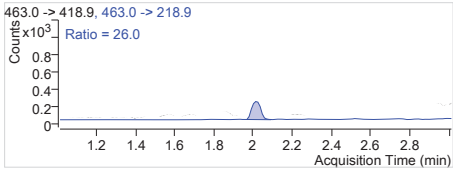
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.15 µg/Kg
Area ratio: 0.05553
Sample type: Sample



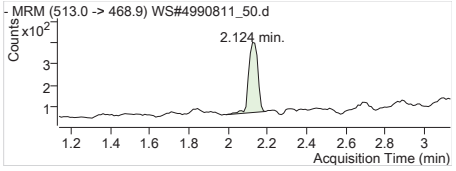


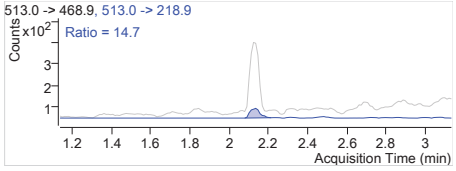
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 13.21 µg/Kg
Area ratio: 4.67588
Sample type: Sample



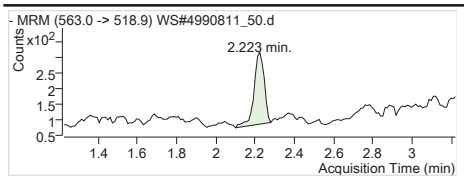


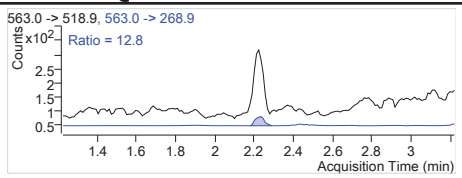
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.75 µg/Kg
Area ratio: 0.28365
Sample type: Sample



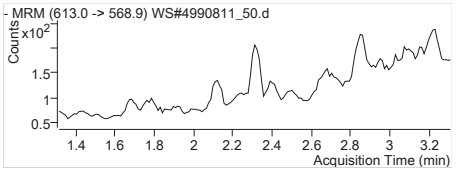


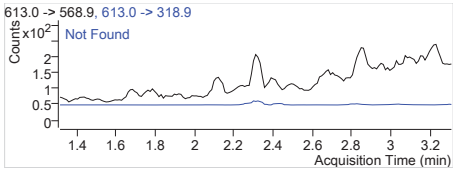
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 0.19 µg/Kg
Area ratio: 0.13587
Sample type: Sample



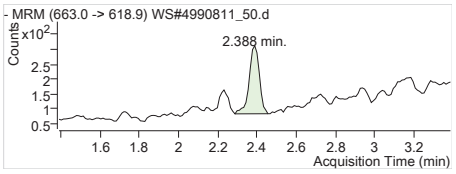


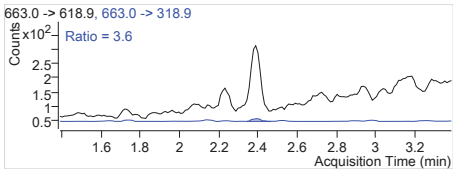
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 0.30 µg/Kg
Area ratio: 0.09718
Sample type: Sample



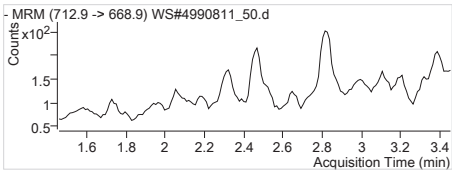


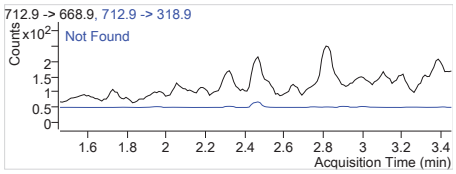
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



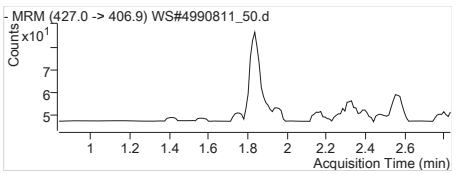


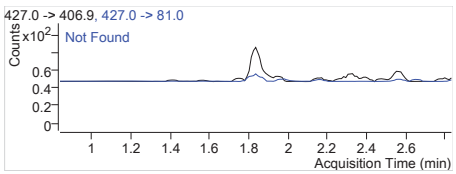
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 0.18 µg/Kg
Area ratio: 0.07480
Sample type: Sample



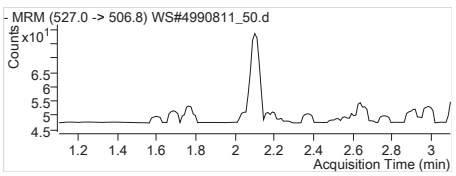


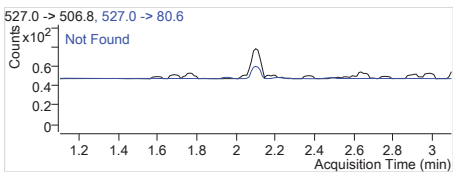
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



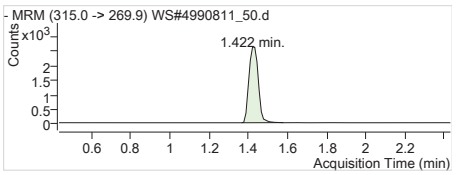


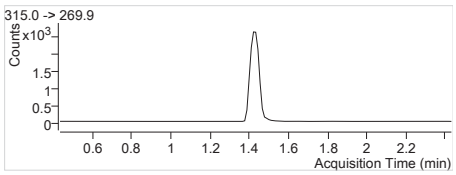
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



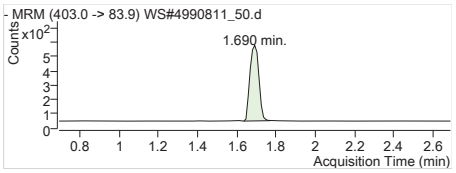


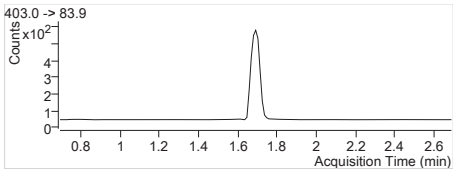
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



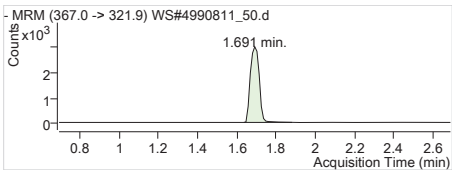


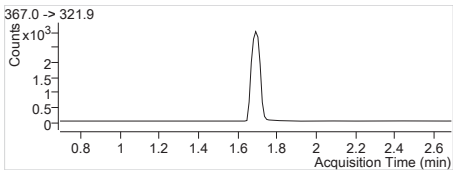
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 107.57 µg/Kg
Area ratio: 0.20716
Sample type: Sample



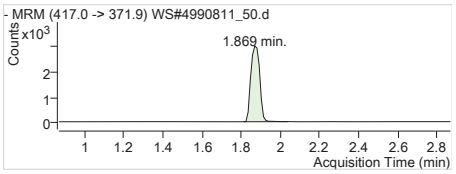


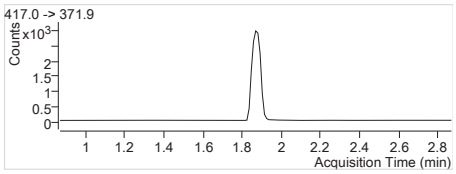
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 113.83 µg/Kg
Area ratio: 0.04063
Sample type: Sample



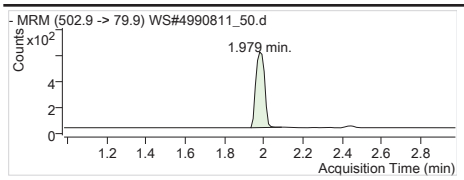


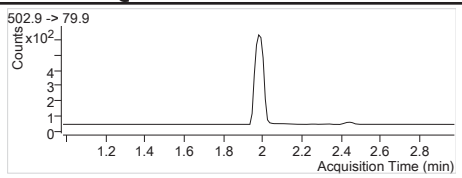
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 108.14 µg/Kg
Area ratio: 0.22722
Sample type: Sample



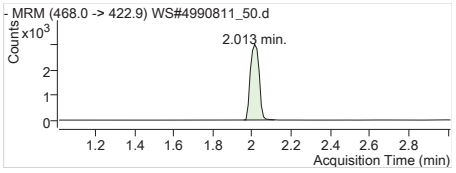


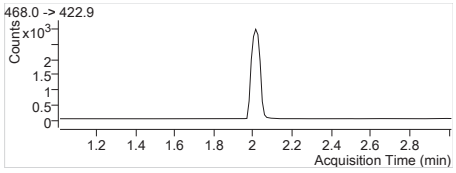
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 110.97 µg/Kg
Area ratio: 0.22490
Sample type: Sample



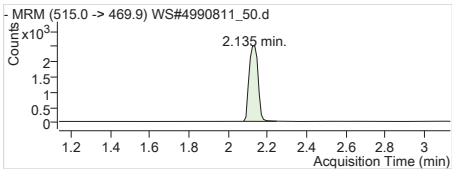


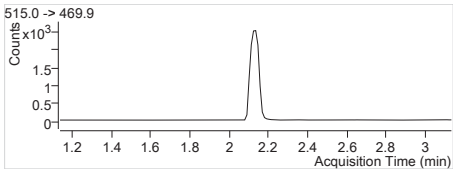
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 99.35 µg/Kg
Area ratio: 0.04359
Sample type: Sample



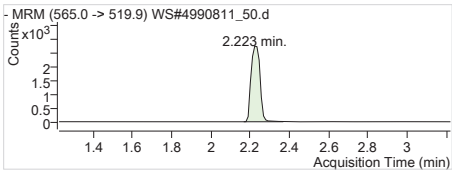


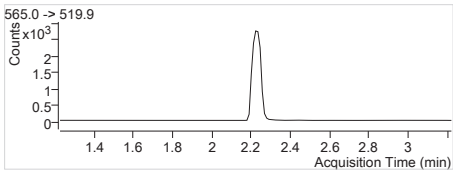
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 107.39 µg/Kg
Area ratio: 0.21998
Sample type: Sample



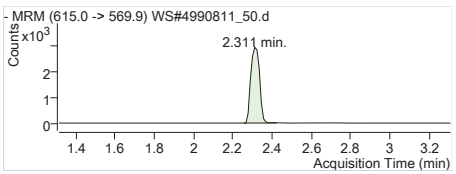


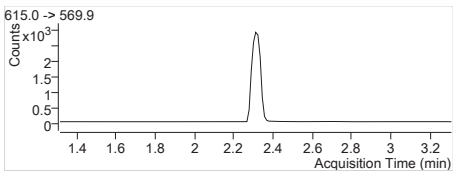
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 112.08 µg/Kg
Area ratio: 0.21005
Sample type: Sample



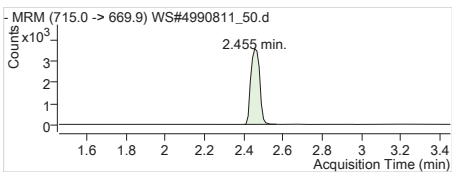


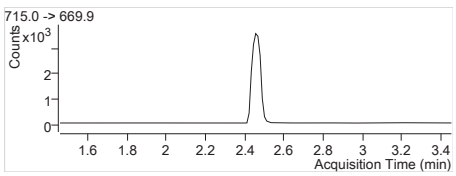
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 106.49 µg/Kg
Area ratio: 0.23021
Sample type: Sample



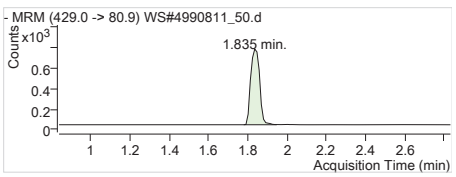


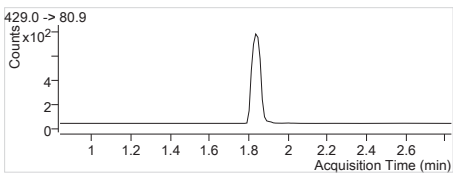
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 97.19 µg/Kg
Area ratio: 0.24092
Sample type: Sample



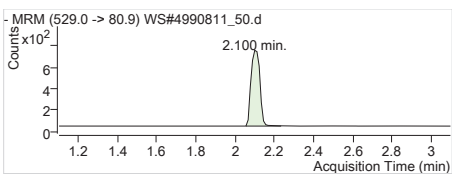


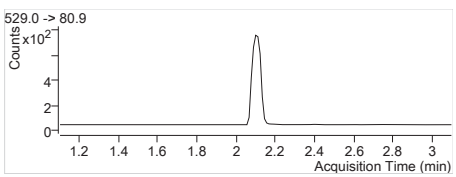
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 97.01 µg/Kg
Area ratio: 0.29554
Sample type: Sample



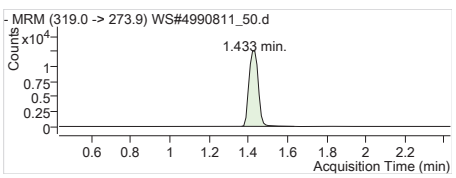


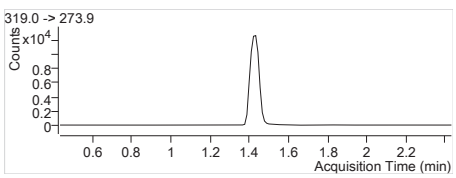
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 115.31 µg/Kg
Area ratio: 0.05630
Sample type: Sample



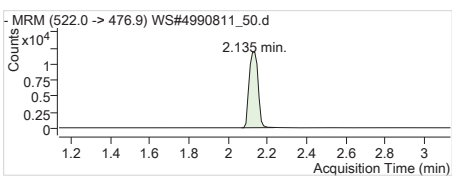


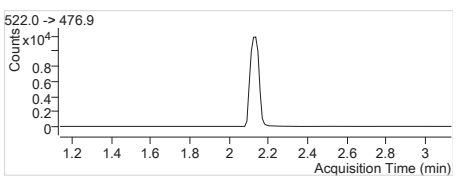
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 107.25 µg/Kg
Area ratio: 0.05401
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 114.02 µg/Kg
Area ratio: 0
Sample type: Sample





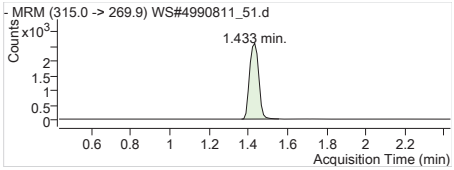
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 113.99 µg/Kg
Area ratio: 0
Sample type: Sample

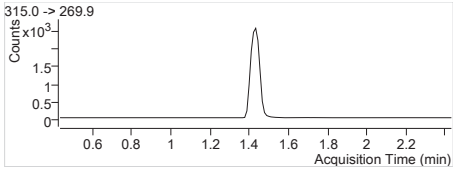
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI401-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_51.d	**Operator**	AD
Sample Type	Sample	**Dilution**	15.723
Acq. Method	PFC_Soil.m	**Position**	P2-B9
Acq. Date	2017/05/25 12:22:50 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except 8:2FTS, PFOS.		

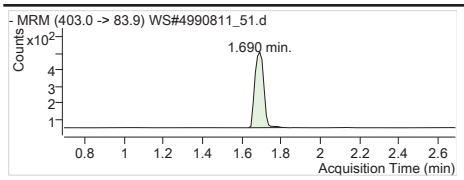
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8264	1.43	1 µg/Kg		
MPFHxS	1460	1.69	1 µg/Kg		
MPFHpA	8668	1.69	1 µg/Kg		
MPFOA	9393	1.87	1 µg/Kg		
MPFOS	1351	1.98	1 µg/Kg		
MPFNA	8300	2.01	1 µg/Kg		
MPFDA	6848	2.12	1 µg/Kg		
MPFUnA	8002	2.22	1 µg/Kg		
MPFDoA	9002	2.31	1 µg/Kg		
MPFTeDA	11725	2.46	1 µg/Kg		
M2 6:2 FTS	2021	1.83	1 µg/Kg		
M2 8:2 FTS	1854	2.10	1 µg/Kg		
13C6-PFHxA IS	41726	1.43	1 µg/Kg		
13C9-PFDA IS	38552	2.13	1 µg/Kg		

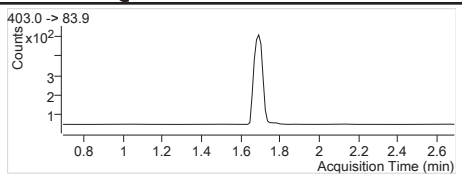
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	147	1.11	-	4.18 µg/Kg	-
PFHxA 1	5760	1.43	-	23.84 µg/Kg	-
PFHxS 1	2903	1.69	-	62.05 µg/Kg	-
PFHpA 1	985	1.69	-	5.41 µg/Kg	-
PFOA 1	2884	1.87	-	10.52 µg/Kg	-
PFOS 1	298333	1.98	-	8845.86 µg/Kg	-
PFNA 1	1315	2.01	-	6.00 µg/Kg	-
PFDA 1	11232	2.12	-	47.25 µg/Kg	-
PFUnA 1	10697	2.22	-	43.58 µg/Kg	-
PFDoA 1	29565	2.31	-	113.83 µg/Kg	-
PFTrDA 1	11735	2.39	-	37.40 µg/Kg	-
PFTeDA 1	11355	2.46	-	37.56 µg/Kg	-
6:2-FTS 1	26213	1.84	-	469.65 µg/Kg	-
8:2-FTS 1	44743	2.10	-	990.37 µg/Kg	-
13C2-PFHxA	8264	1.43	-	102.84 µg/Kg	-
18O2-PFHxS	1460	1.69	-	98.04 µg/Kg	-
13C4-PFHpA	8668	1.69	-	98.87 µg/Kg	-
13C4-PFOA	9393	1.87	-	111.07 µg/Kg	-
13C4-PFOS	1351	1.98	-	73.79 µg/Kg	-
13C5-PFNA	8300	2.01	-	97.10 µg/Kg	-
13C2-PFDA	6848	2.12	-	94.78 µg/Kg	-
13C2-PFUnA	8002	2.22	-	96.02 µg/Kg	-
13C2-PFDoA	9002	2.31	-	94.20 µg/Kg	-
13C2-PFTeDA	11725	2.46	-	99.83 µg/Kg	-
13C2-6:2-FTS	2021	1.83	-	99.21 µg/Kg	-
13C2-8:2 FTS	1854	2.10	-	88.24 µg/Kg	-
13C6-PFHxA	41726	1.43	-	1626.28 µg/Kg	-
13C9-PFDA	38552	2.13	-	1663.31 µg/Kg	-



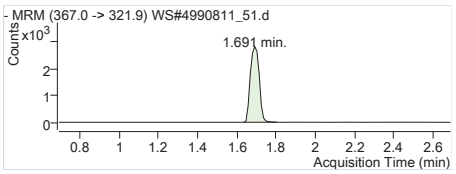


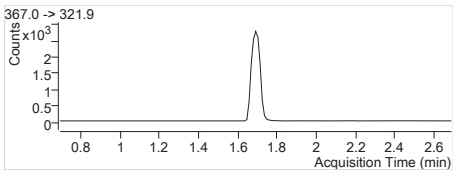
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



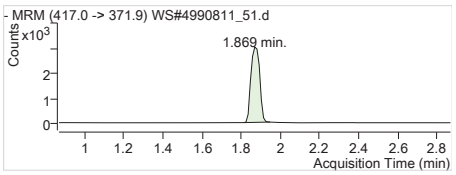


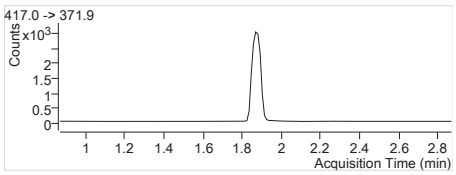
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



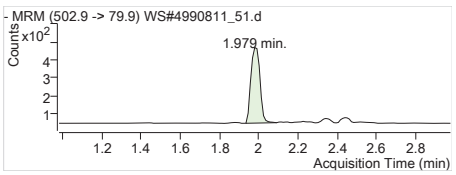


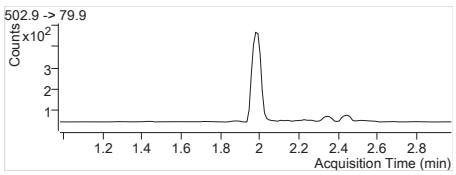
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



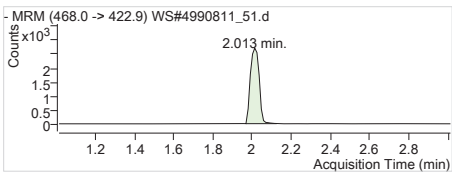


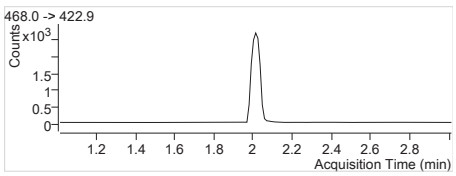
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



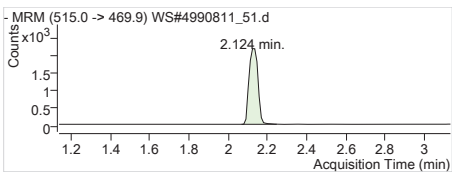


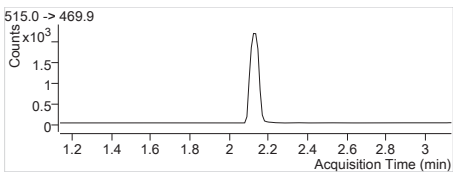
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



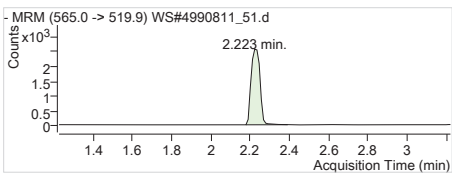


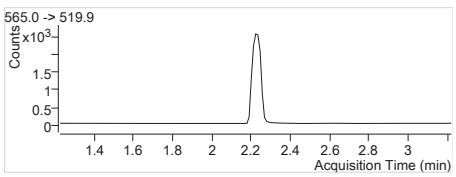
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



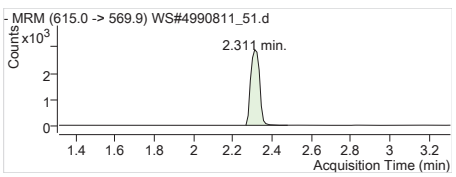


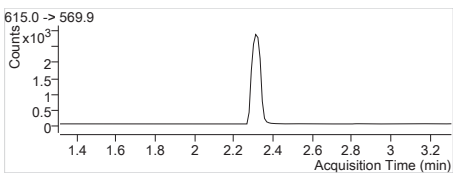
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



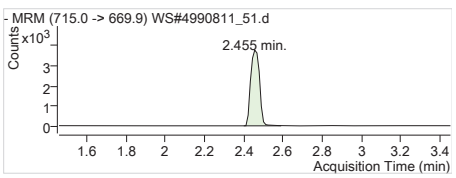


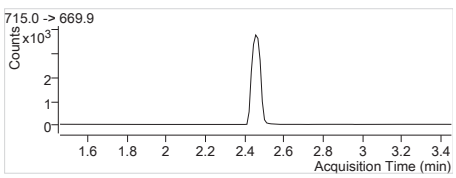
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



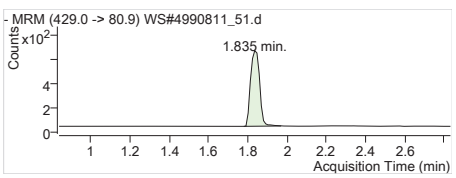


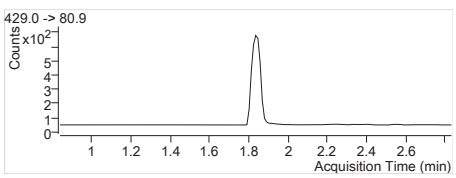
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



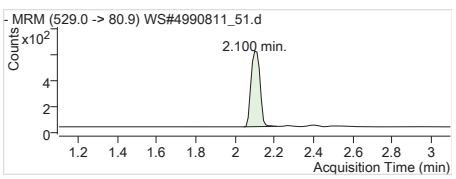


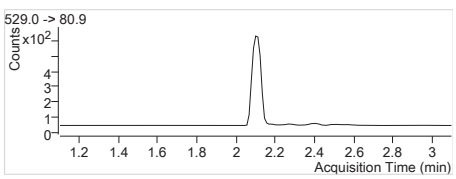
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



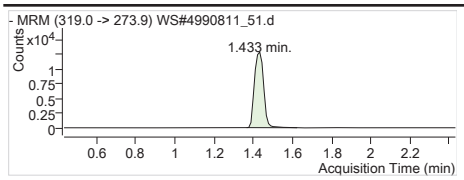


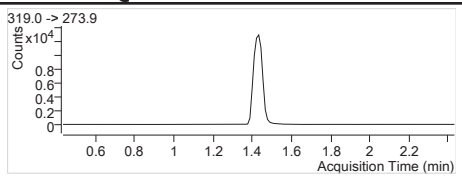
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



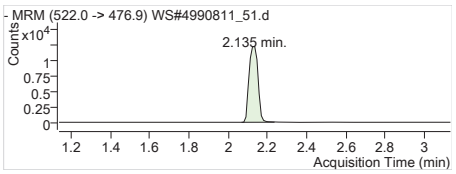


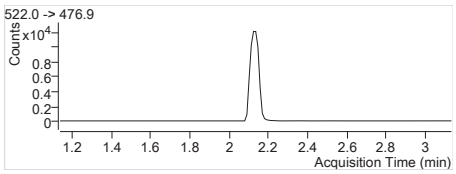
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



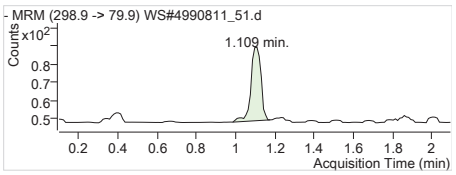


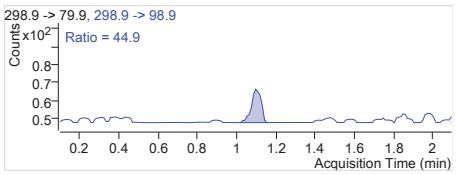
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



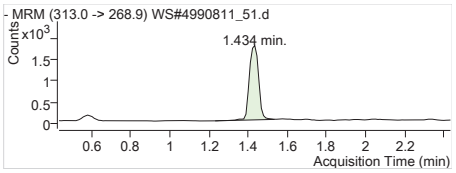


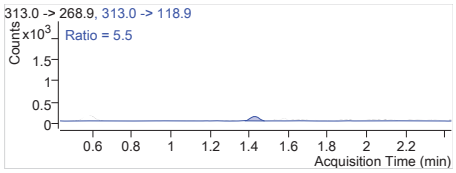
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



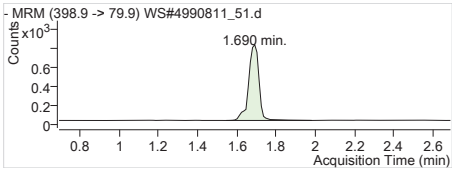


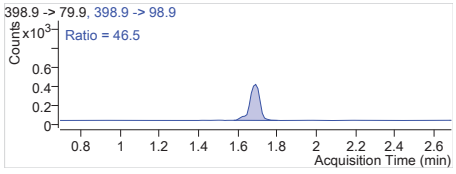
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.109 (1.098)
Calc. conc. 4.18 µg/Kg
Area ratio: 0.10068
Sample type: Sample



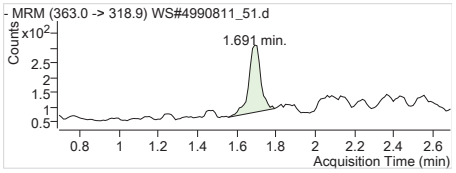


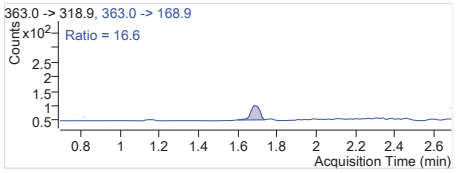
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 23.84 µg/Kg
Area ratio: 0.69700
Sample type: Sample



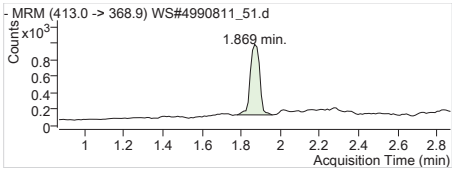


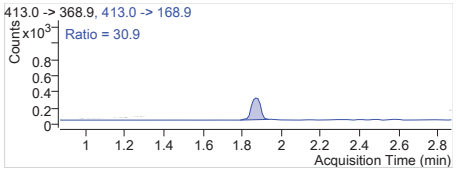
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 62.05 µg/Kg
Area ratio: 1.98836
Sample type: Sample



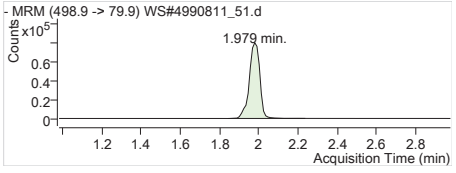


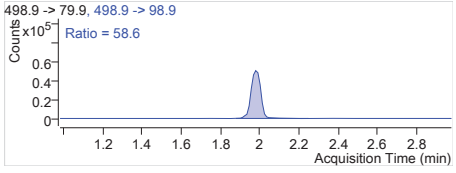
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 5.41 µg/Kg
Area ratio: 0.11364
Sample type: Sample



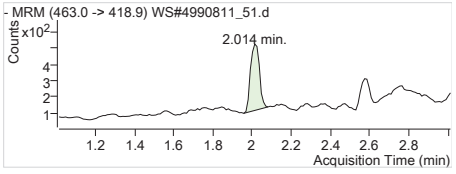


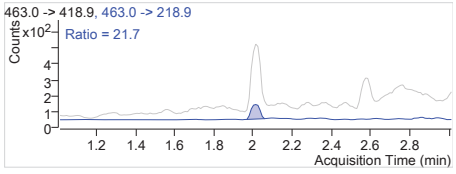
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 10.52 µg/Kg
Area ratio: 0.30704
Sample type: Sample



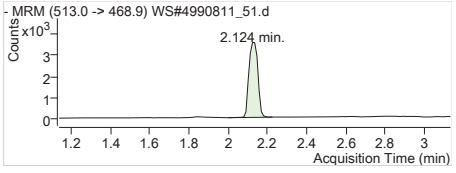


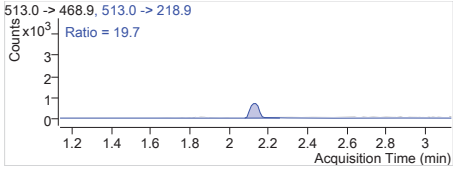
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 8845.86 µg/Kg
Area ratio: 220.82383
Sample type: Sample



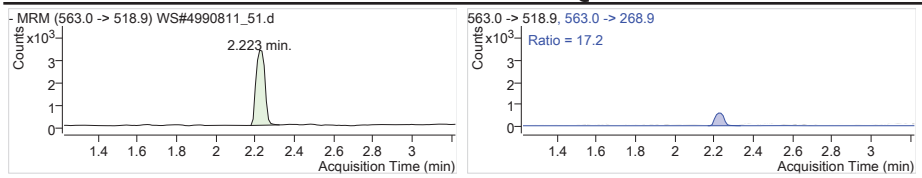


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 6.00 µg/Kg
Area ratio: 0.15843
Sample type: Sample

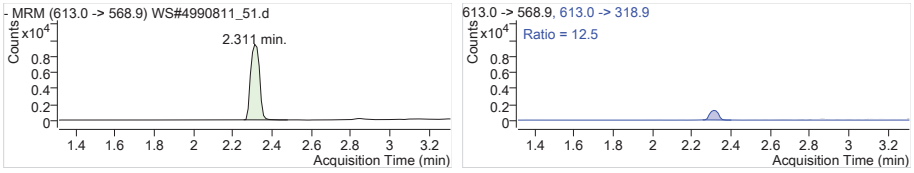




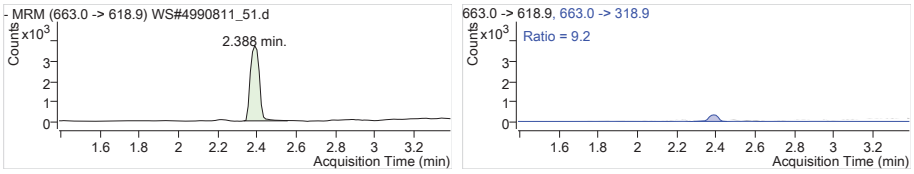
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 47.25 µg/Kg
Area ratio: 1.64019
Sample type: Sample



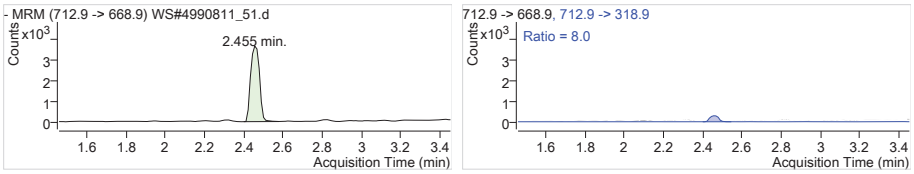
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 43.58 µg/Kg
Area ratio: 1.33679
Sample type: Sample



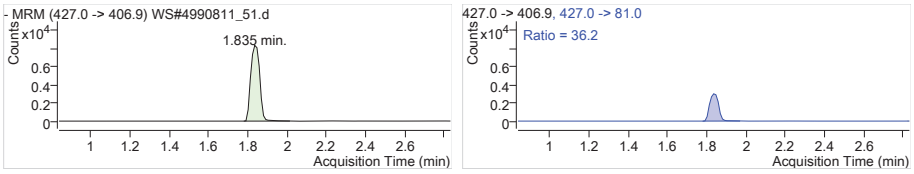
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 113.83 µg/Kg
Area ratio: 3.28427
Sample type: Sample



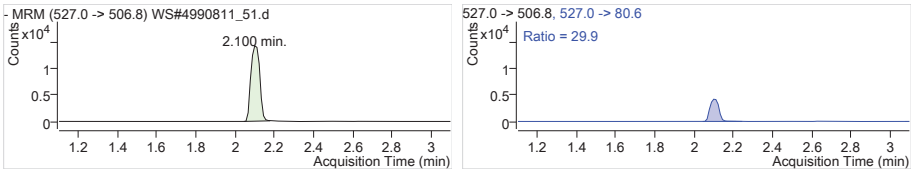
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 37.40 µg/Kg
Area ratio: 1.00085
Sample type: Sample



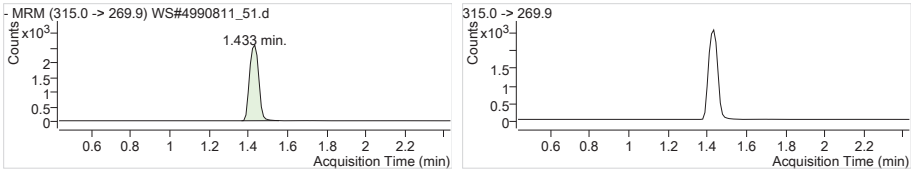
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 37.56 µg/Kg
Area ratio: 0.96844
Sample type: Sample



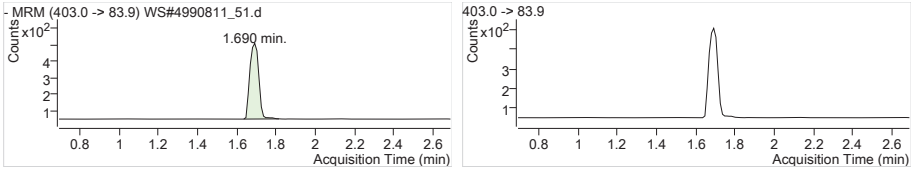
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 469.65 µg/Kg
Area ratio: 12.97031
Sample type: Sample



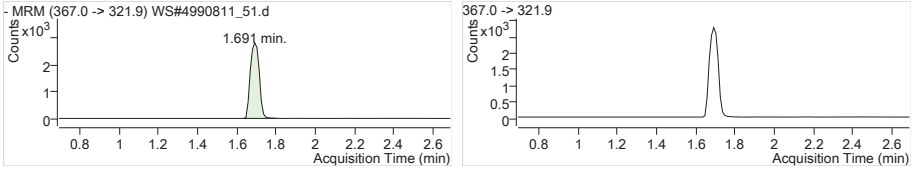
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 990.37 µg/Kg
Area ratio: 24.13323
Sample type: Sample



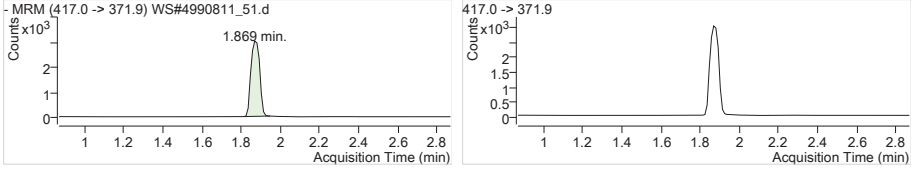
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 102.84 µg/Kg
Area ratio: 0.19805
Sample type: Sample



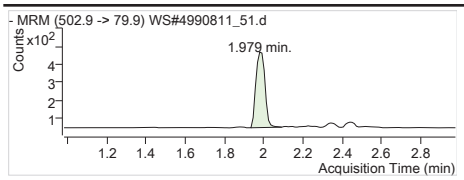
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 98.04 µg/Kg
Area ratio: 0.03499
Sample type: Sample

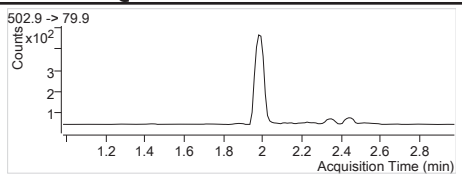


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 98.87 µg/Kg
Area ratio: 0.20774
Sample type: Sample

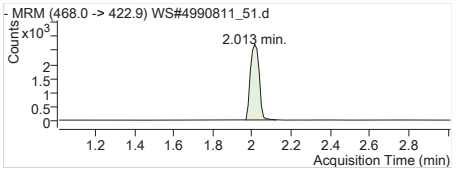


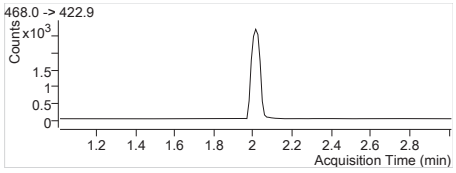
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 111.07 µg/Kg
Area ratio: 0.22511
Sample type: Sample



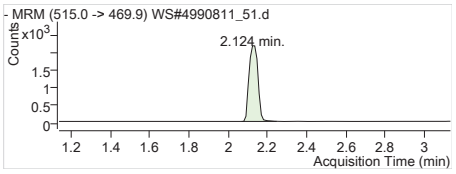


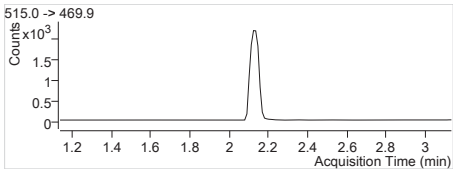
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 73.79 µg/Kg
Area ratio: 0.03238
Sample type: Sample



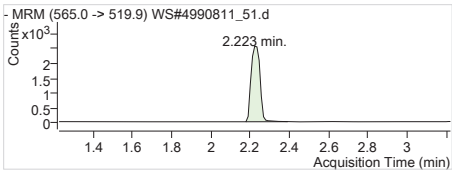


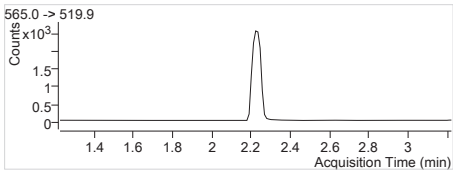
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 97.10 µg/Kg
Area ratio: 0.19892
Sample type: Sample



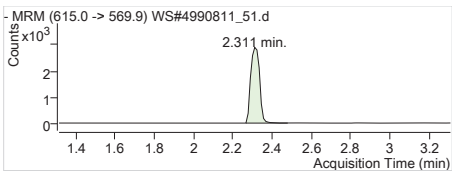


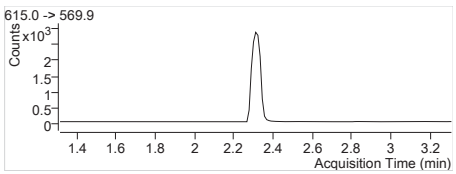
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 94.78 µg/Kg
Area ratio: 0.17763
Sample type: Sample



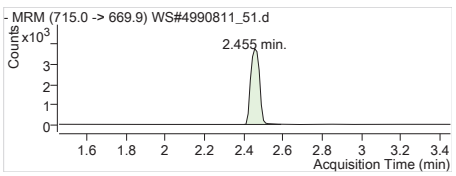


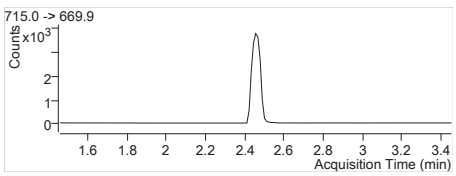
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 96.02 µg/Kg
Area ratio: 0.20756
Sample type: Sample



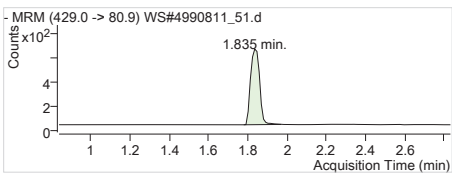


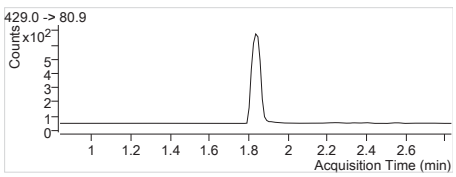
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 94.20 µg/Kg
Area ratio: 0.23350
Sample type: Sample



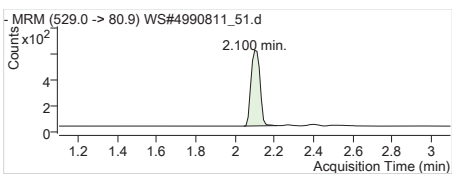


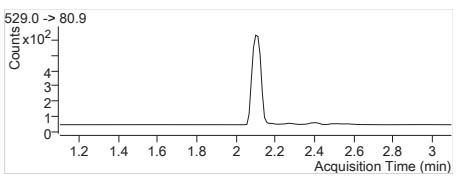
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 99.83 µg/Kg
Area ratio: 0.30413
Sample type: Sample



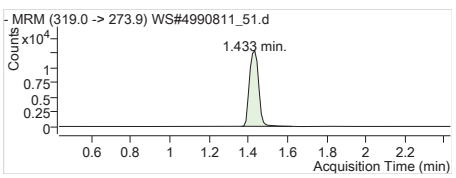


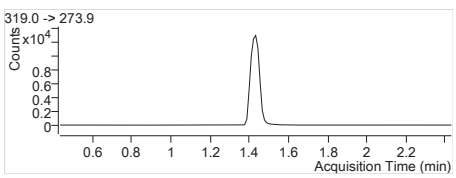
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 99.21 µg/Kg
Area ratio: 0.04844
Sample type: Sample



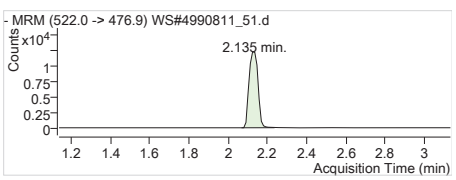


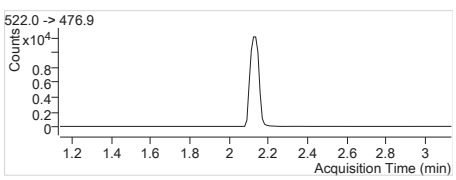
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 88.24 µg/Kg
Area ratio: 0.04443
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 1626.28 µg/Kg
Area ratio: 0
Sample type: Sample





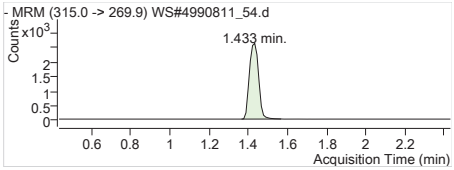
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 1663.31 µg/Kg
Area ratio: 0
Sample type: Sample

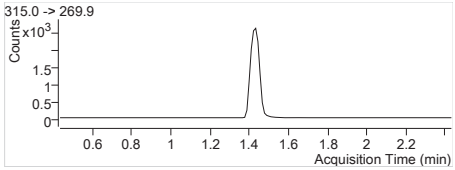
Batch Path T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI402-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_54.d	**Operator**	AD
Sample Type	Sample	**Dilution**	13.119
Acq. Method	PFC_Soil.m	**Position**	P2-C2
Acq. Date	2017/05/25 12:37:31 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except PFOS.		

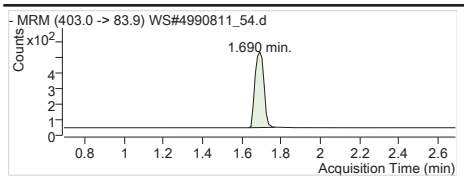
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8484	1.43	1 µg/Kg		
MPFHxS	1545	1.69	1 µg/Kg		
MPFHpA	9204	1.69	1 µg/Kg		
MPFOA	8965	1.87	1 µg/Kg		
MPFOS	1473	1.98	1 µg/Kg		
MPFNA	8721	2.01	1 µg/Kg		
MPFDA	7031	2.12	1 µg/Kg		
MPFUnA	8310	2.22	1 µg/Kg		
MPFDoA	9898	2.31	1 µg/Kg		
MPFTeDA	11340	2.46	1 µg/Kg		
M2 6:2 FTS	1966	1.83	1 µg/Kg		
M2 8:2 FTS	2077	2.10	1 µg/Kg		
13C6-PFHxA IS	36756	1.43	1 µg/Kg		
13C9-PFDA IS	34823	2.12	1 µg/Kg		

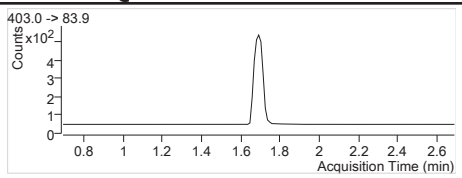
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	7639	1.43	-	25.61 µg/Kg	-
PFHxS 1	1450	1.69	-	25.27 µg/Kg	-
PFHpA 1	740	1.69	-	3.62 µg/Kg	-
PFOA 1	1602	1.87	-	5.23 µg/Kg	-
PFOS 1	155802	1.98	-	3535.30 µg/Kg	-
PFNA 1	1215	2.01	-	4.40 µg/Kg	-
PFDA 1	4114	2.12	-	13.34 µg/Kg	-
PFUnA 1	1639	2.22	-	6.17 µg/Kg	-
PFDoA 1	2229	2.31	-	4.90 µg/Kg	-
PFTrDA 1	716	2.39	-	1.71 µg/Kg	-
PFTeDA 1	840	2.46	-	2.11 µg/Kg	-
6:2-FTS 1	10938	1.84	-	167.58 µg/Kg	-
8:2-FTS 1	21040	2.10	-	346.57 µg/Kg	-
13C2-PFHxA	8484	1.43	-	119.86 µg/Kg	-
18O2-PFHxS	1545	1.69	-	117.77 µg/Kg	-
13C4-PFHpA	9204	1.69	-	119.18 µg/Kg	-
13C4-PFOA	8965	1.87	-	120.34 µg/Kg	-
13C4-PFOS	1473	1.98	-	91.34 µg/Kg	-
13C5-PFNA	8721	2.01	-	115.83 µg/Kg	-
13C2-PFDA	7031	2.12	-	107.73 µg/Kg	-
13C2-PFUnA	8310	2.22	-	110.39 µg/Kg	-
13C2-PFDoA	9898	2.31	-	114.67 µg/Kg	-
13C2-PFTeDA	11340	2.46	-	106.89 µg/Kg	-
13C2-6:2-FTS	1966	1.83	-	109.56 µg/Kg	-
13C2-8:2 FTS	2077	2.10	-	112.22 µg/Kg	-
13C6-PFHxA	36756	1.43	-	1195.31 µg/Kg	-
13C9-PFDA	34823	2.12	-	1253.59 µg/Kg	-



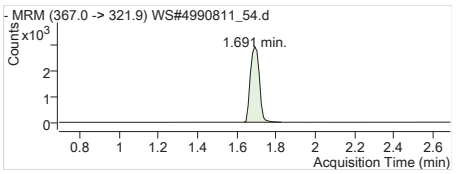


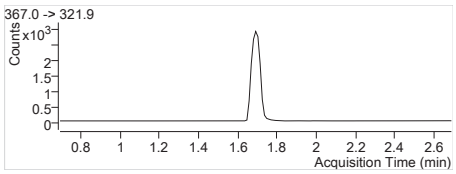
MPFHxA Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



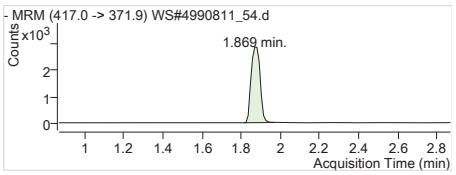


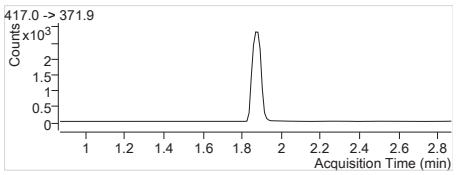
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



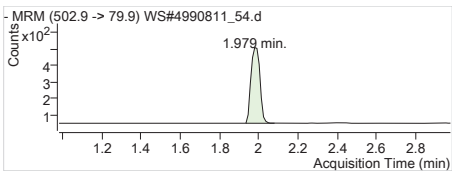


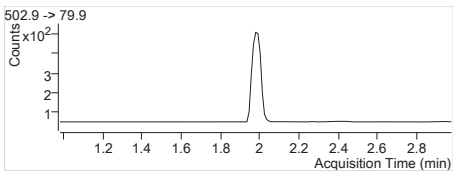
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



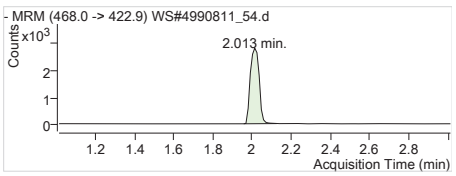


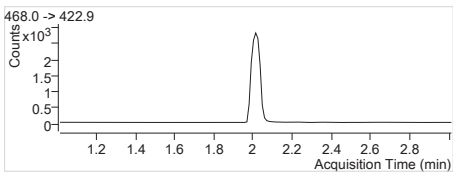
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



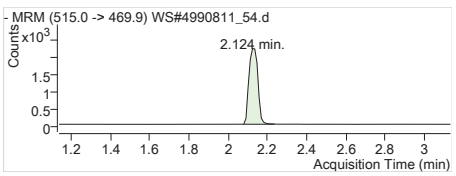


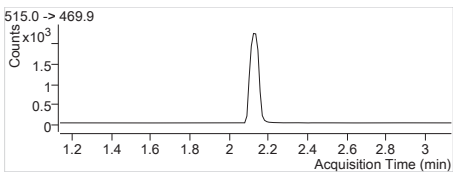
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



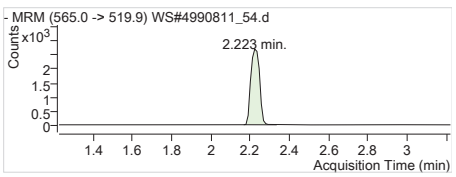


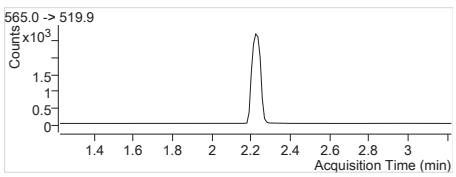
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



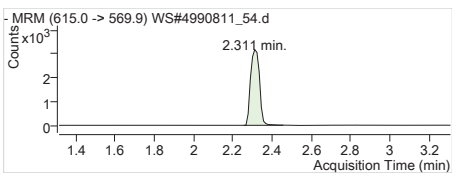


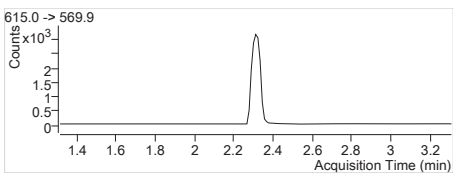
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



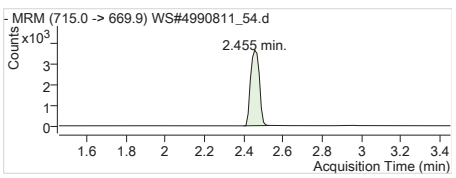


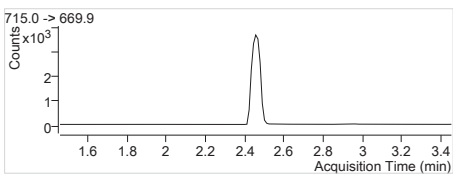
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



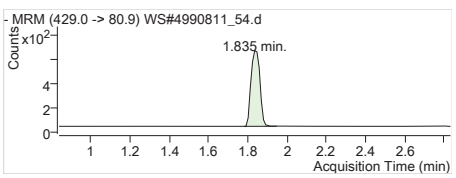


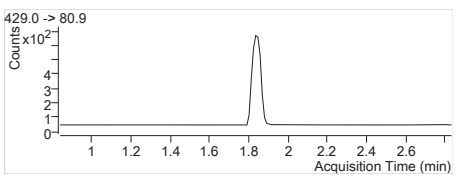
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



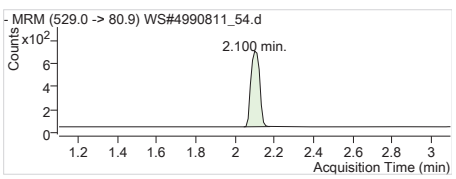


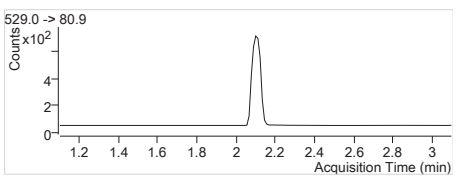
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



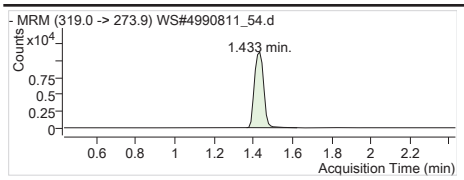


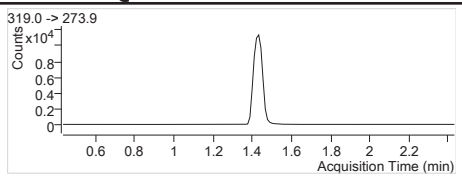
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



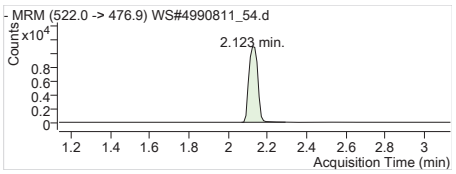


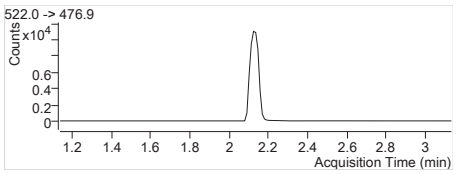
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



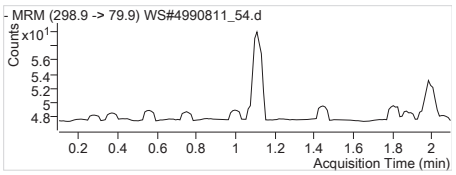


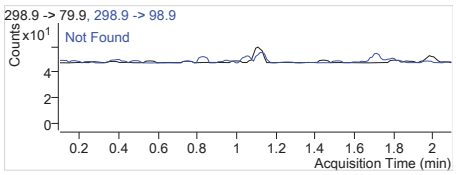
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



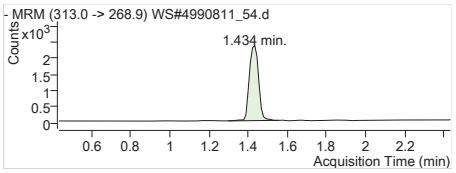


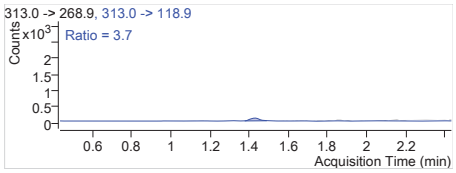
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



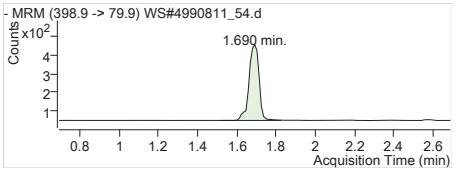


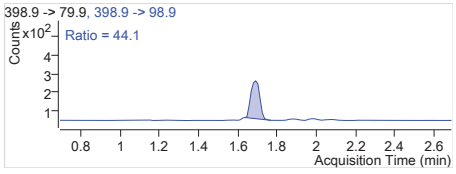
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



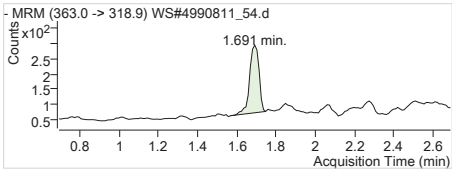


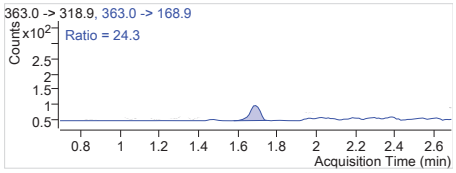
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 25.61 µg/Kg
Area ratio: 0.90040
Sample type: Sample



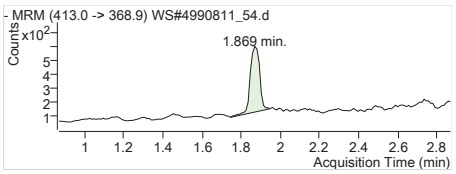


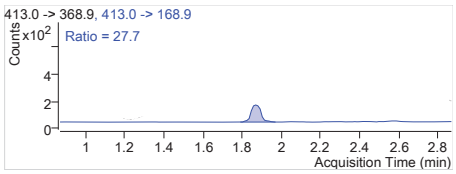
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 25.27 µg/Kg
Area ratio: 0.93851
Sample type: Sample



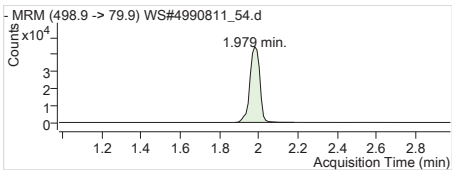


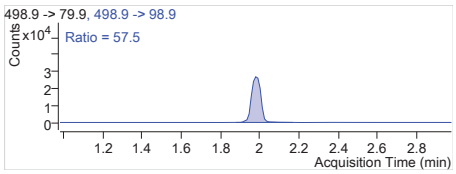
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 3.62 µg/Kg
Area ratio: 0.08040
Sample type: Sample



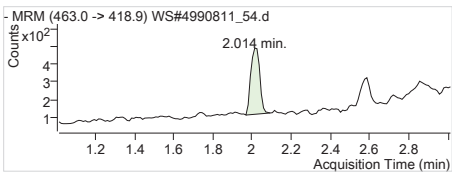


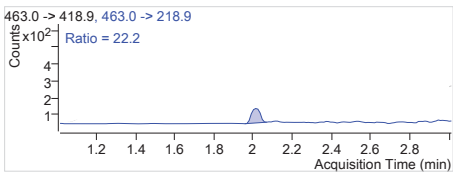
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 5.23 µg/Kg
Area ratio: 0.17869
Sample type: Sample



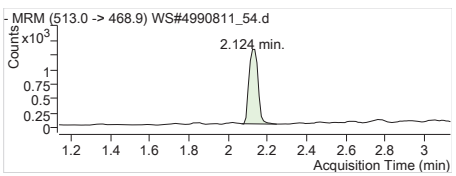


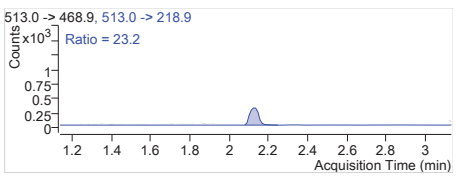
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 3535.30 µg/Kg
Area ratio: 105.77189
Sample type: Sample



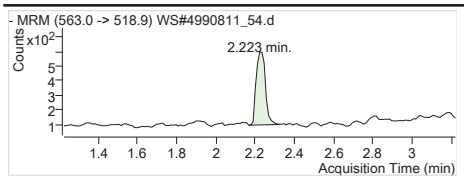


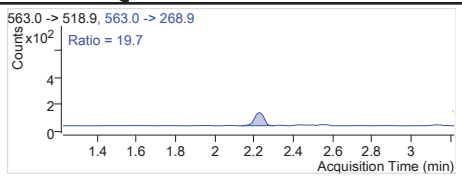
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 4.40 µg/Kg
Area ratio: 0.13932
Sample type: Sample



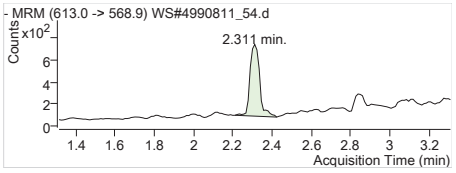


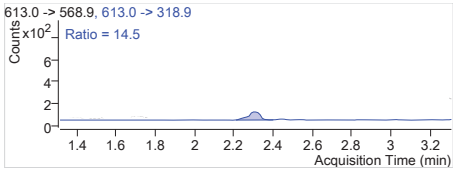
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 13.34 µg/Kg
Area ratio: 0.58512
Sample type: Sample



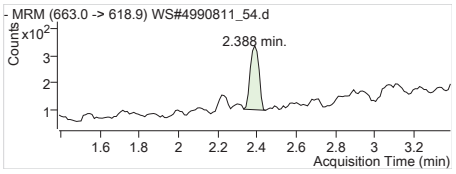


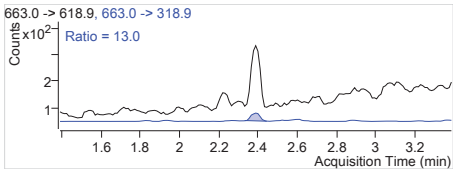
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 6.17 µg/Kg
Area ratio: 0.19723
Sample type: Sample



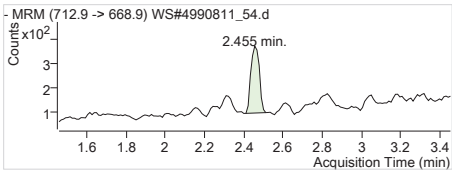


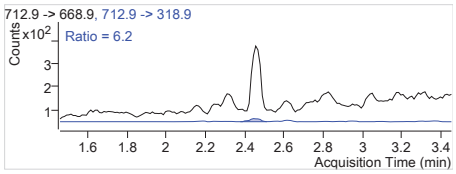
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 4.90 µg/Kg
Area ratio: 0.22520
Sample type: Sample



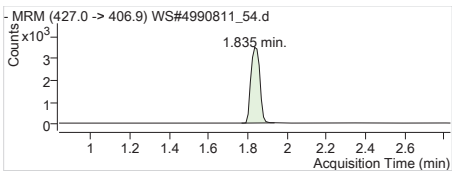


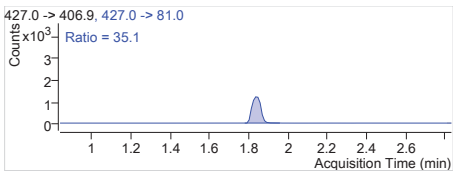
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 1.71 µg/Kg
Area ratio: 0.06314
Sample type: Sample



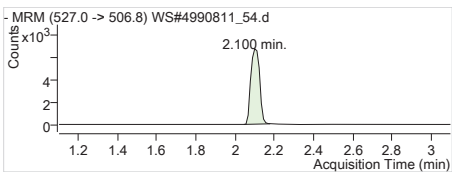


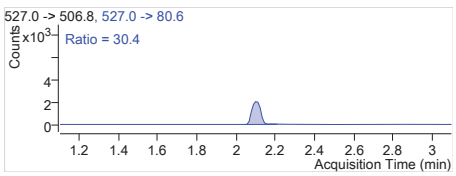
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 2.11 µg/Kg
Area ratio: 0.07407
Sample type: Sample



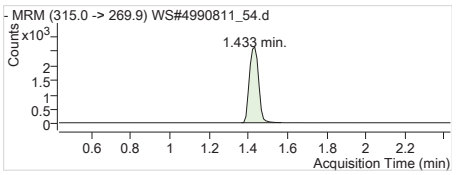


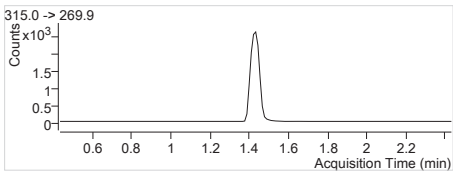
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 167.58 µg/Kg
Area ratio: 5.56358
Sample type: Sample



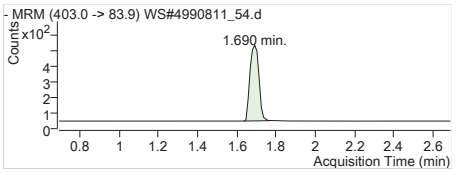


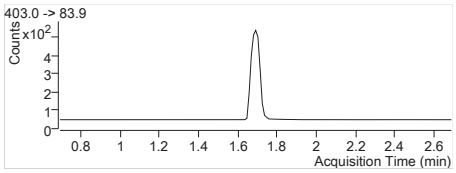
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 346.57 µg/Kg
Area ratio: 10.13000
Sample type: Sample



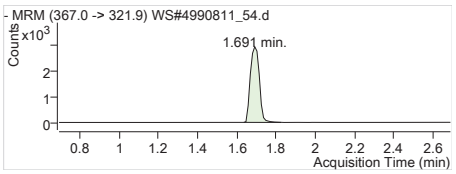


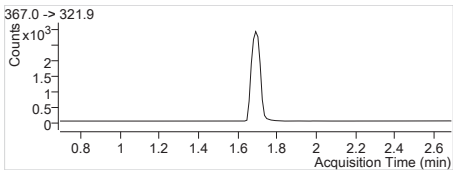
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 119.86 µg/Kg
Area ratio: 0.23082
Sample type: Sample



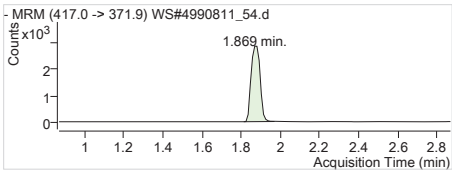


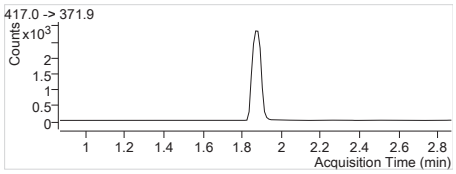
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 117.77 µg/Kg
Area ratio: 0.04203
Sample type: Sample



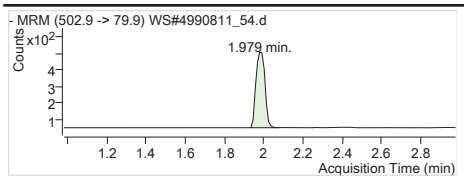


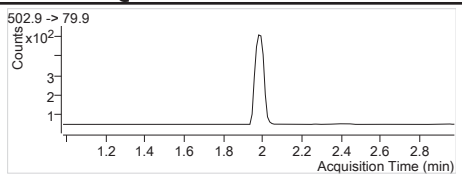
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 119.18 µg/Kg
Area ratio: 0.25041
Sample type: Sample



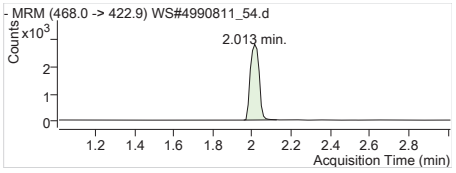


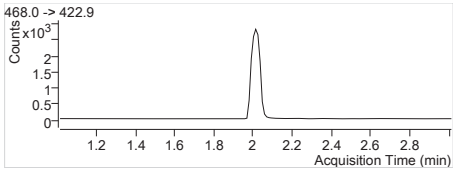
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 120.34 µg/Kg
Area ratio: 0.24391
Sample type: Sample



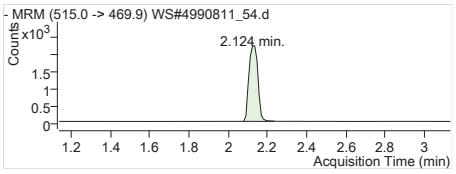


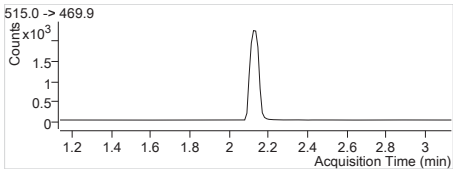
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 91.34 µg/Kg
Area ratio: 0.04008
Sample type: Sample



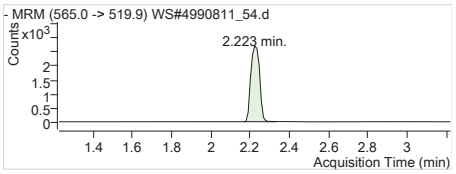


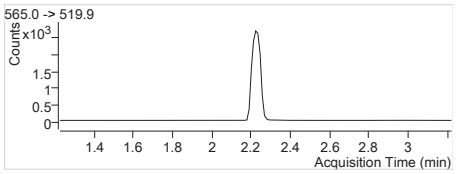
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 115.83 µg/Kg
Area ratio: 0.23727
Sample type: Sample



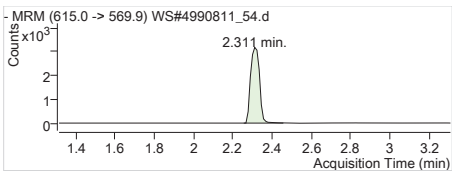


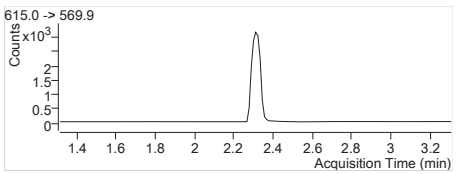
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 107.73 µg/Kg
Area ratio: 0.20191
Sample type: Sample



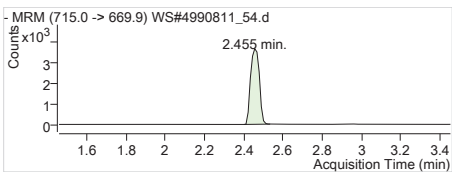


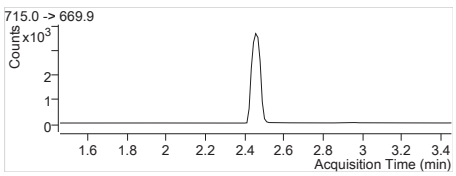
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 110.39 µg/Kg
Area ratio: 0.23864
Sample type: Sample



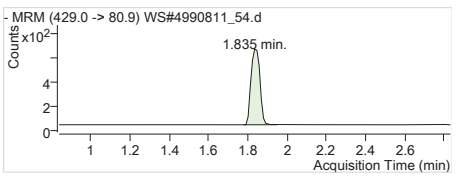


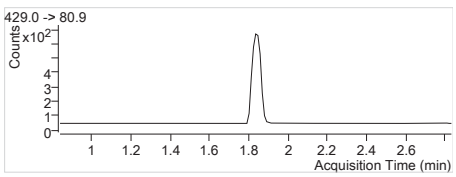
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 114.67 µg/Kg
Area ratio: 0.28424
Sample type: Sample



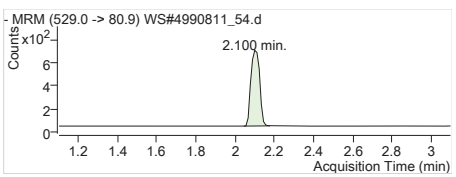


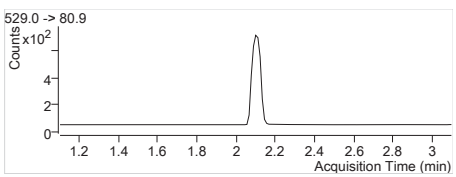
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 106.89 µg/Kg
Area ratio: 0.32565
Sample type: Sample



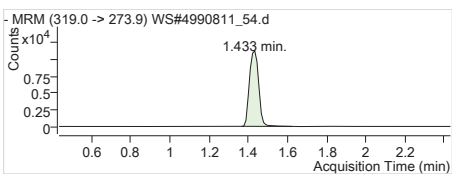


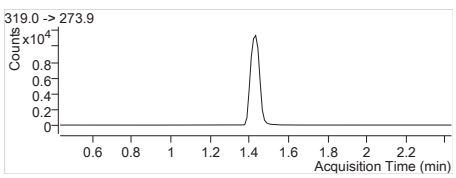
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 109.56 µg/Kg
Area ratio: 0.05349
Sample type: Sample



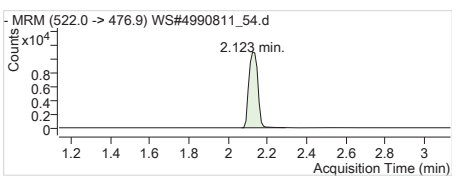


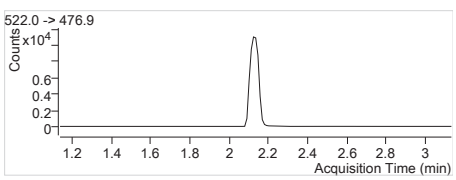
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 112.22 µg/Kg
Area ratio: 0.05651
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 1195.31 µg/Kg
Area ratio: 0
Sample type: Sample





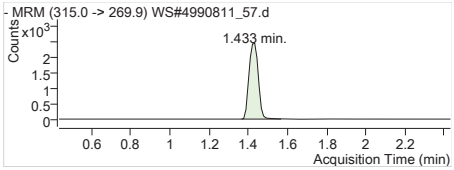
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 1253.59 µg/Kg
Area ratio: 0
Sample type: Sample

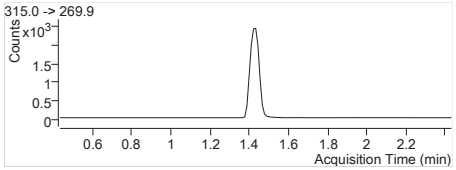
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI404-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_57.d	**Operator**	AD
Sample Type	Sample	**Dilution**	15.981
Acq. Method	PFC_Soil.m	**Position**	P2-C4
Acq. Date	2017/05/25 12:52:14 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except 8:2FTS, PFOS.		

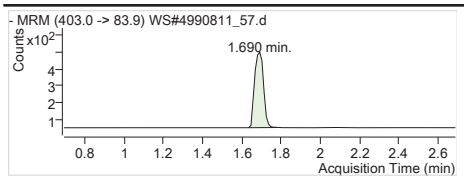
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7933	1.43	1 µg/Kg		
MPFHxS	1433	1.69	1 µg/Kg		
MPFHpA	9293	1.69	1 µg/Kg		
MPFOA	9138	1.87	1 µg/Kg		
MPFOS	1501	1.98	1 µg/Kg		
MPFNA	8459	2.01	1 µg/Kg		
MPFDA	7585	2.12	1 µg/Kg		
MPFUnA	8399	2.22	1 µg/Kg		
MPFDoA	9197	2.31	1 µg/Kg		
MPFTeDA	11910	2.46	1 µg/Kg		
M2 6:2 FTS	1805	1.83	1 µg/Kg		
M2 8:2 FTS	2020	2.10	1 µg/Kg		
13C6-PFHxA IS	34742	1.43	1 µg/Kg		
13C9-PFDA IS	32718	2.12	1 µg/Kg		

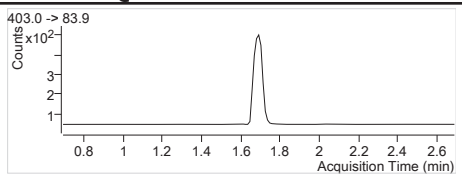
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	5958	1.42	-	26.08 µg/Kg	-
PFHxS 1	2623	1.69	-	58.21 µg/Kg	-
PFHpA 1	974	1.69	-	5.21 µg/Kg	-
PFOA 1	2983	1.87	-	11.35 µg/Kg	-
PFOS 1	251532	1.98	-	6822.98 µg/Kg	-
PFNA 1	1279	2.01	-	5.82 µg/Kg	-
PFDA 1	12901	2.12	-	49.86 µg/Kg	-
PFUnA 1	11318	2.22	-	44.64 µg/Kg	-
PFDoA 1	30130	2.31	-	115.41 µg/Kg	-
PFTrDA 1	11455	2.39	-	36.52 µg/Kg	-
PFTeDA 1	10394	2.46	-	34.37 µg/Kg	-
6:2-FTS 1	25298	1.84	-	515.91 µg/Kg	-
8:2-FTS 1	48828	2.10	-	1008.25 µg/Kg	-
13C2-PFHxA	7933	1.43	-	118.57 µg/Kg	-
18O2-PFHxS	1433	1.69	-	115.57 µg/Kg	-
13C4-PFHpA	9293	1.69	-	127.31 µg/Kg	-
13C4-PFOA	9138	1.87	-	129.78 µg/Kg	-
13C4-PFOS	1501	1.98	-	98.47 µg/Kg	-
13C5-PFNA	8459	2.01	-	118.86 µg/Kg	-
13C2-PFDA	7585	2.12	-	123.69 µg/Kg	-
13C2-PFUnA	8399	2.22	-	118.75 µg/Kg	-
13C2-PFDoA	9197	2.31	-	113.40 µg/Kg	-
13C2-PFTeDA	11910	2.46	-	119.49 µg/Kg	-
13C2-6:2-FTS	1805	1.83	-	106.42 µg/Kg	-
13C2-8:2 FTS	2020	2.10	-	115.47 µg/Kg	-
13C6-PFHxA	34742	1.43	-	1376.30 µg/Kg	-
13C9-PFDA	32718	2.12	-	1434.76 µg/Kg	-



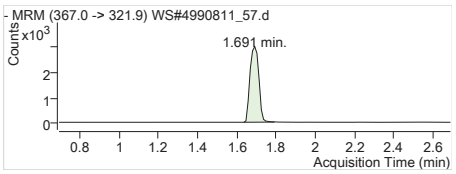


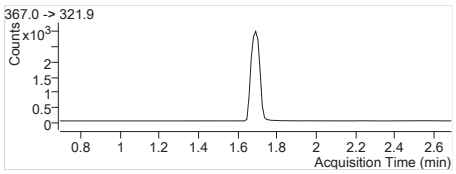
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



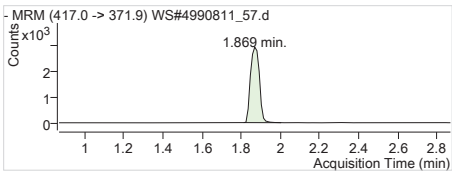


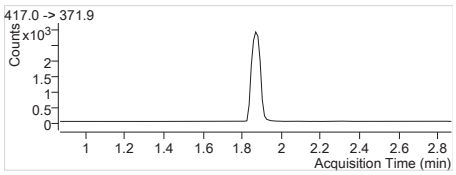
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



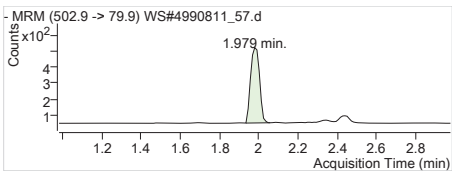


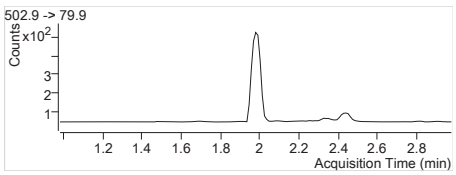
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



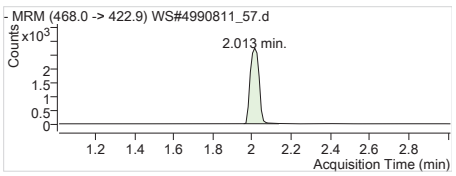


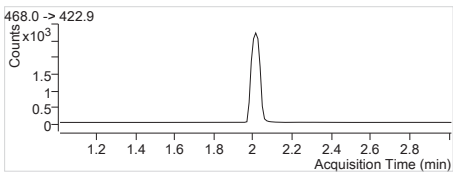
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



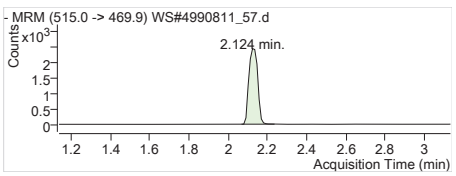


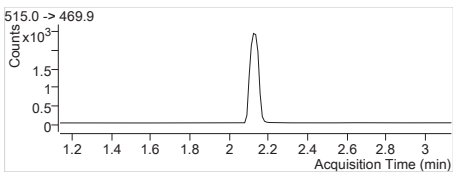
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



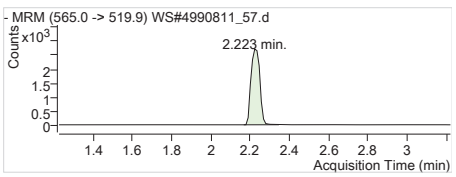


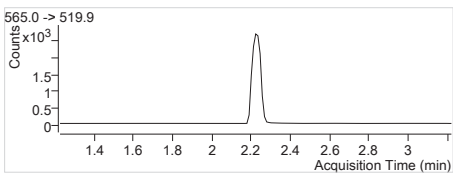
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



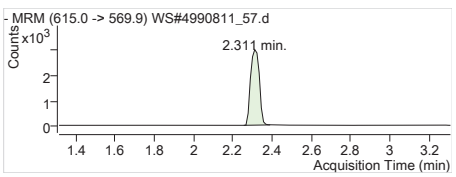


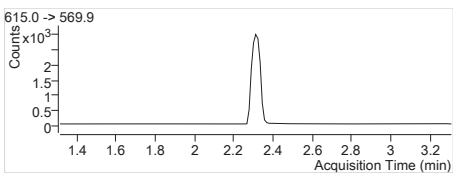
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



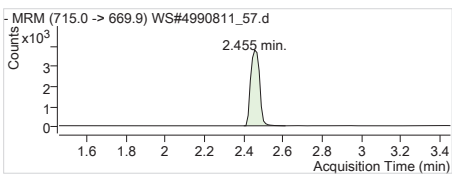


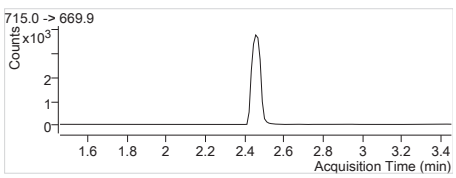
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



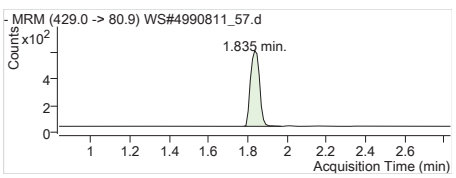


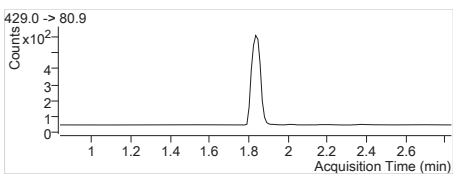
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



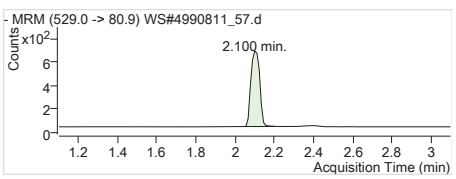


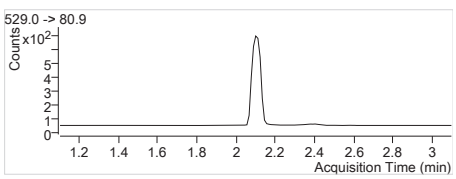
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



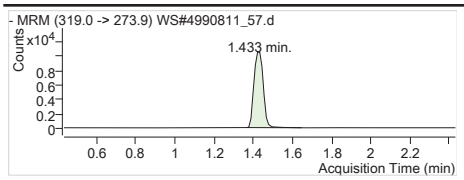


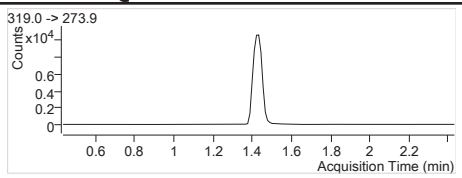
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



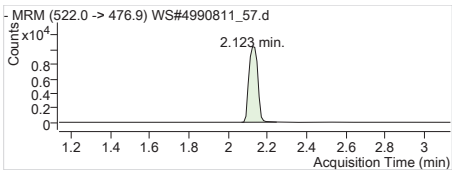


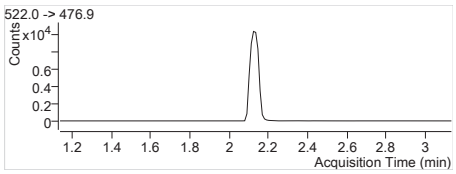
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



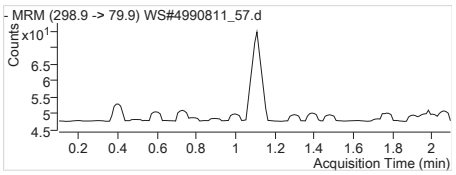


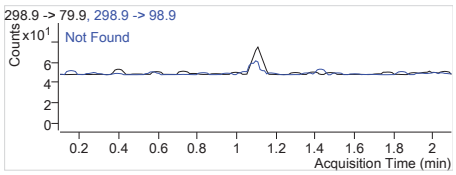
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



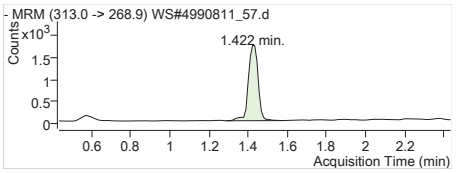


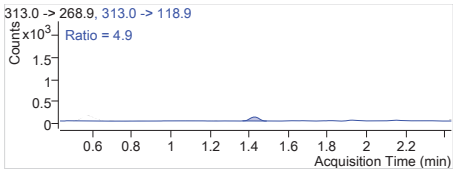
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



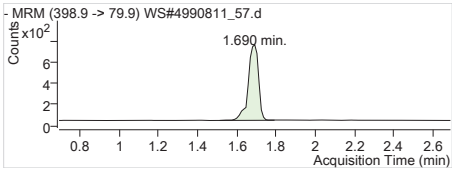


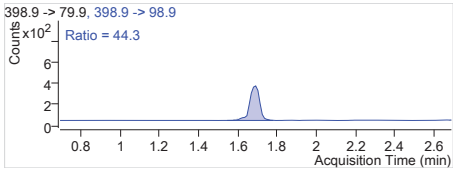
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



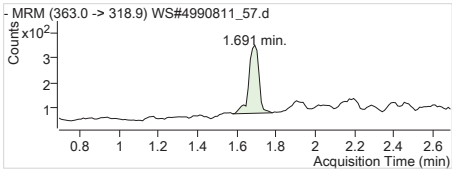


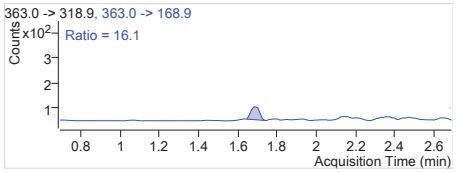
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.422 (1.434)
Calc. conc. 26.08 µg/Kg
Area ratio: 0.75104
Sample type: Sample



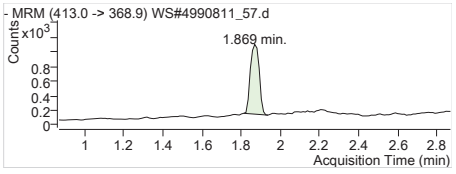


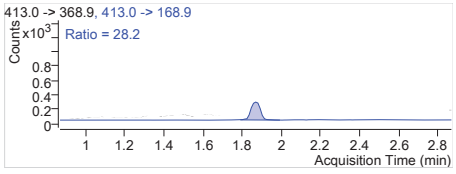
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 58.21 µg/Kg
Area ratio: 1.83043
Sample type: Sample



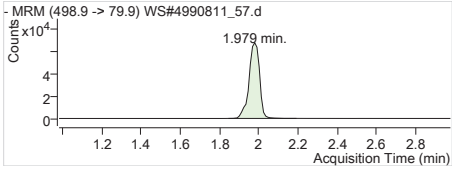


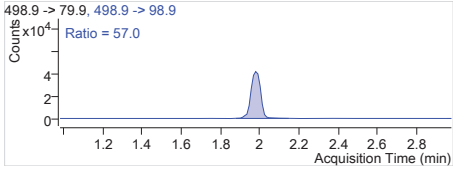
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 5.21 µg/Kg
Area ratio: 0.10481
Sample type: Sample



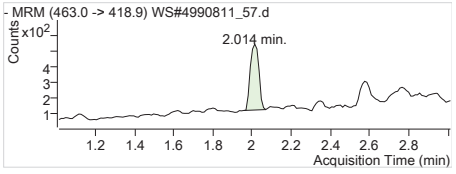


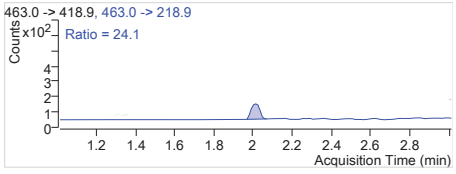
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 11.35 µg/Kg
Area ratio: 0.32644
Sample type: Sample



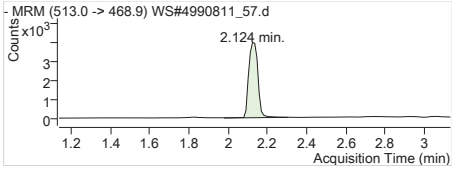


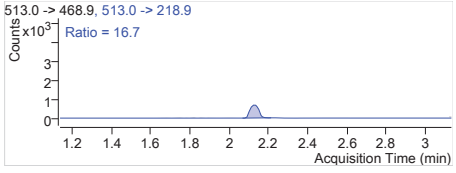
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 6822.98 µg/Kg
Area ratio: 167.57628
Sample type: Sample



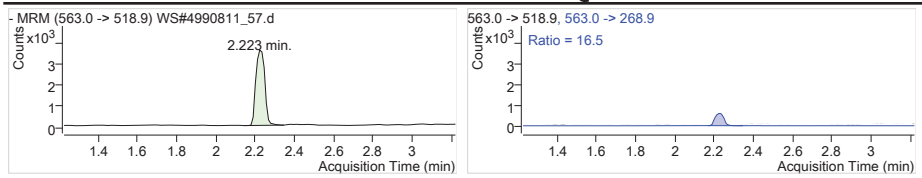


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 5.82 µg/Kg
Area ratio: 0.15120
Sample type: Sample

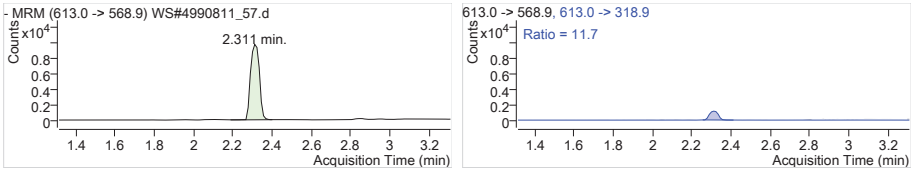




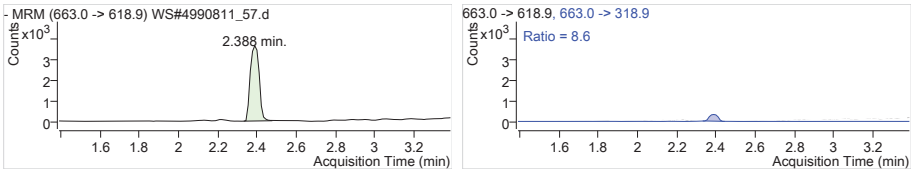
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 49.86 µg/Kg
Area ratio: 1.70086
Sample type: Sample



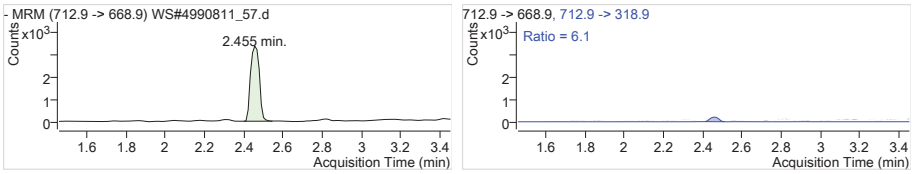
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 44.64 µg/Kg
Area ratio: 1.34754
Sample type: Sample



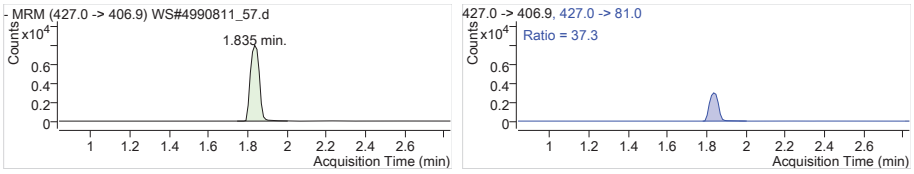
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 115.41 µg/Kg
Area ratio: 3.27607
Sample type: Sample



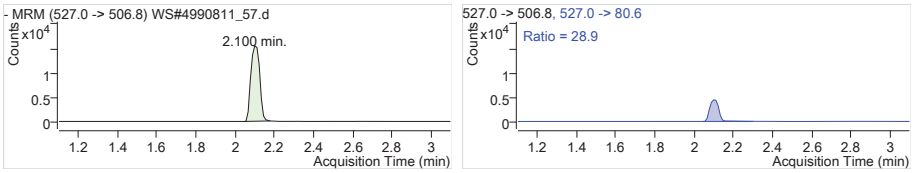
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 36.52 µg/Kg
Area ratio: 0.96180
Sample type: Sample



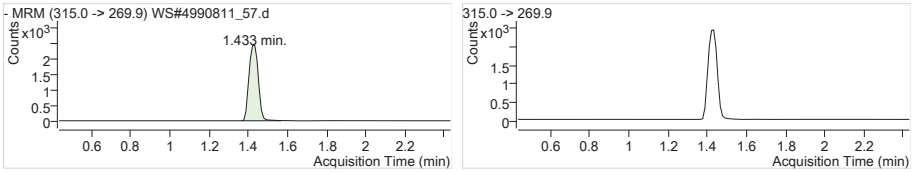
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 34.37 µg/Kg
Area ratio: 0.87271
Sample type: Sample



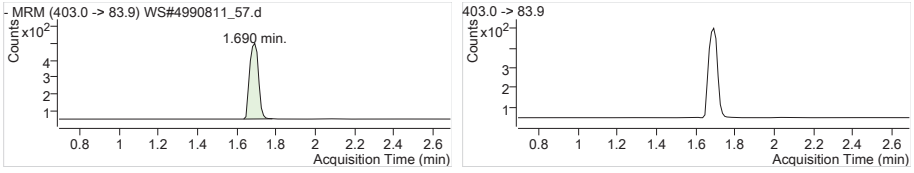
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 515.91 µg/Kg
Area ratio: 14.01551
Sample type: Sample



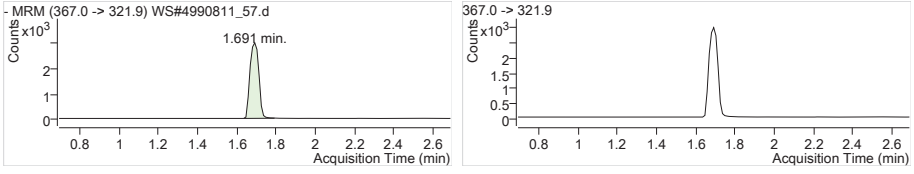
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 1008.25 µg/Kg
Area ratio: 24.17228
Sample type: Sample



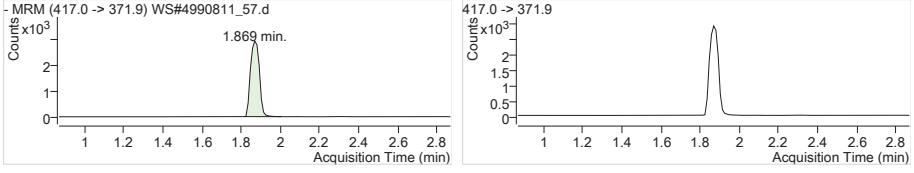
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 118.57 µg/Kg
Area ratio: 0.22834
Sample type: Sample



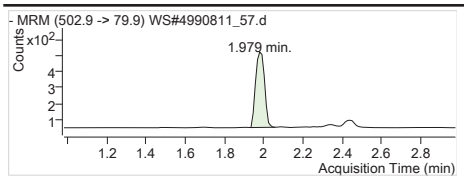
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 115.57 µg/Kg
Area ratio: 0.04125
Sample type: Sample

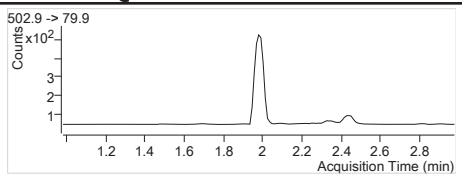


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 127.31 µg/Kg
Area ratio: 0.26749
Sample type: Sample

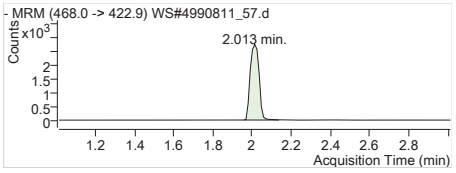


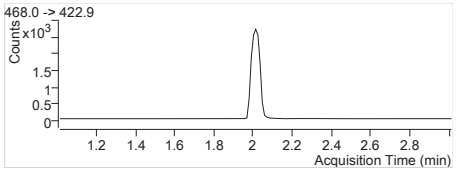
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 129.78 µg/Kg
Area ratio: 0.26302
Sample type: Sample



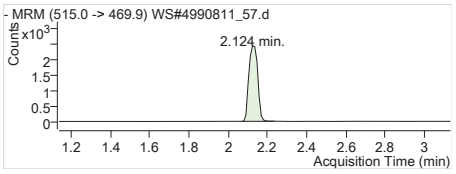


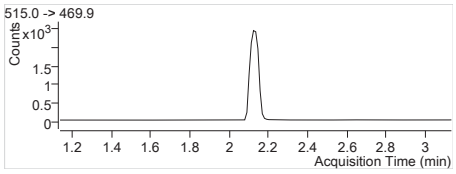
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 98.47 µg/Kg
Area ratio: 0.04320
Sample type: Sample



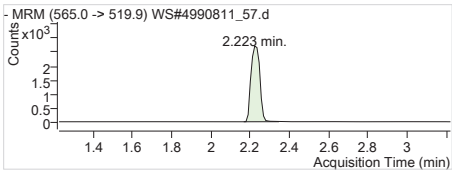


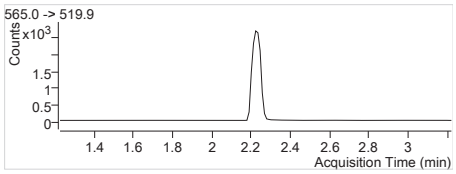
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 118.86 µg/Kg
Area ratio: 0.24348
Sample type: Sample



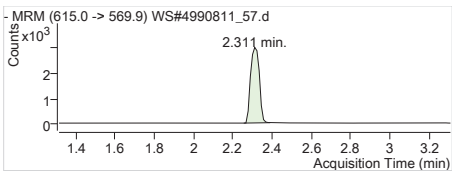


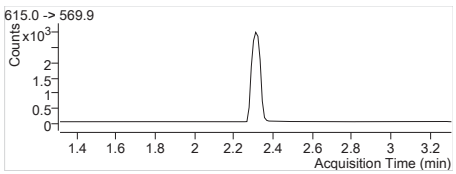
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 123.69 µg/Kg
Area ratio: 0.23183
Sample type: Sample



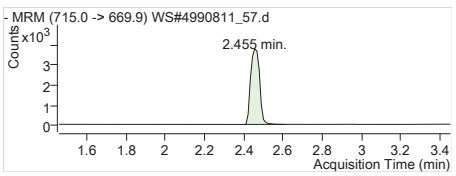


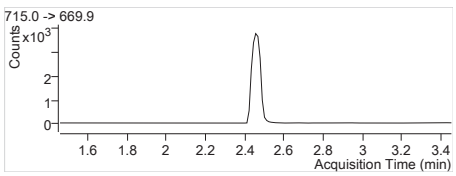
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 118.75 µg/Kg
Area ratio: 0.25671
Sample type: Sample



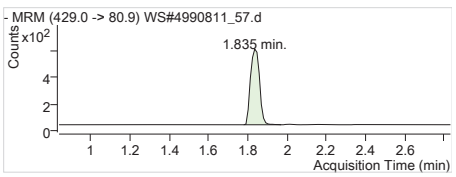


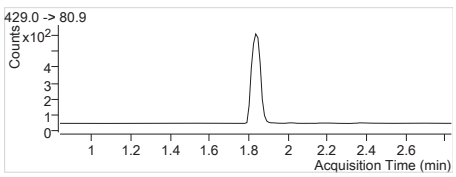
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 113.40 µg/Kg
Area ratio: 0.28110
Sample type: Sample



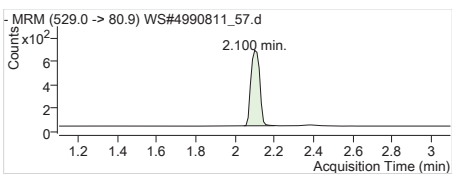


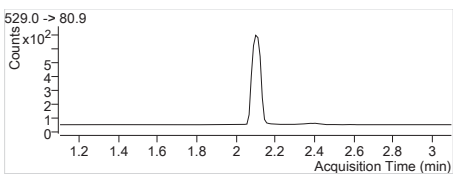
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 119.49 µg/Kg
Area ratio: 0.36402
Sample type: Sample



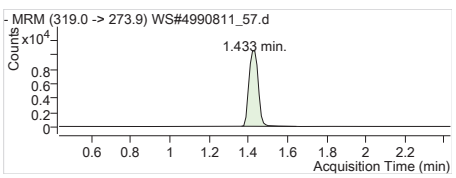


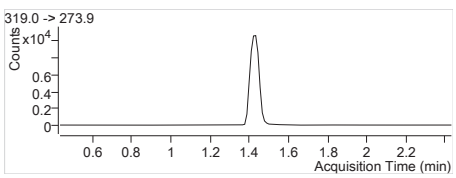
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 106.42 µg/Kg
Area ratio: 0.05195
Sample type: Sample



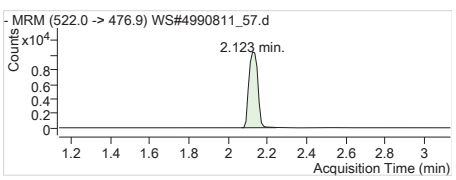


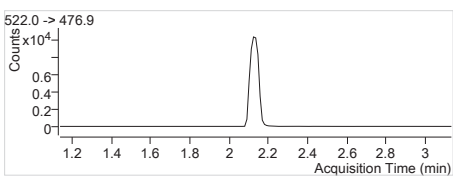
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 115.47 µg/Kg
Area ratio: 0.05814
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 1376.30 µg/Kg
Area ratio: 0
Sample type: Sample





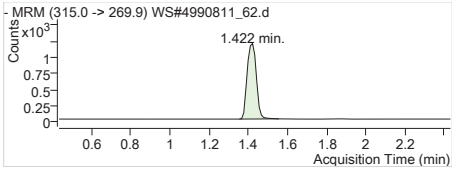
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 1434.76 µg/Kg
Area ratio: 0
Sample type: Sample

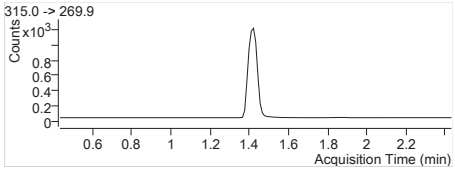
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI423-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_62.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	14.24
Acq. Method	PFC_Soil.m	**Position**	P2-E5
Acq. Date	2017/05/25 2:46:07 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS only.		

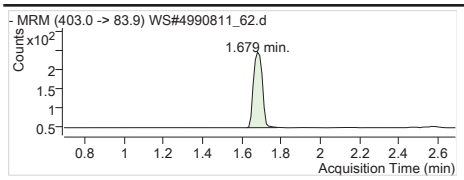
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	3807	1.42	1 µg/Kg		
MPFHxS	625	1.68	1 µg/Kg		
MPFHpA	4753	1.68	1 µg/Kg		
MPFOA	4235	1.87	1 µg/Kg		
MPFOS	980	1.98	1 µg/Kg		
MPFNA	4217	2.00	1 µg/Kg		
MPFDA	3733	2.12	1 µg/Kg		
MPFUnA	3971	2.22	1 µg/Kg		
MPFDoA	4751	2.31	1 µg/Kg		
MPFTeDA	5402	2.46	1 µg/Kg		
M2 6:2 FTS	994	1.83	1 µg/Kg		
M2 8:2 FTS	1093	2.10	1 µg/Kg		
13C6-PFHxA IS	40979	1.42	1 µg/Kg		
13C9-PFDA IS	37557	2.12	1 µg/Kg		

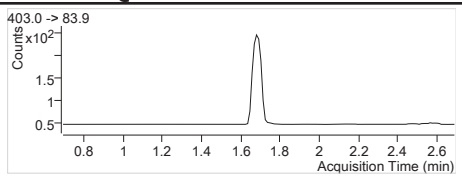
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	229	1.68	-	11.76 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1	1903	1.97	-	70.39 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1	653	2.39	-	3.83 µg/Kg	-
PFTeDA 1			-	ND	-
6:2-FTS 1	394	1.84	-	12.06 µg/Kg	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	3807	1.42	-	48.24 µg/Kg	-
18O2-PFHxS	625	1.68	-	42.73 µg/Kg	-
13C4-PFHpA	4753	1.68	-	55.20 µg/Kg	-
13C4-PFOA	4235	1.87	-	50.99 µg/Kg	-
13C4-PFOS	980	1.98	-	54.51 µg/Kg	-
13C5-PFNA	4217	2.00	-	50.24 µg/Kg	-
13C2-PFDA	3733	2.12	-	53.03 µg/Kg	-
13C2-PFUnA	3971	2.22	-	48.91 µg/Kg	-
13C2-PFDoA	4751	2.31	-	51.03 µg/Kg	-
13C2-PFTeDA	5402	2.46	-	47.21 µg/Kg	-
13C2-6:2-FTS	994	1.83	-	49.68 µg/Kg	-
13C2-8:2 FTS	1093	2.10	-	52.97 µg/Kg	-
13C6-PFHxA	40979	1.42	-	1446.52 µg/Kg	-
13C9-PFDA	37557	2.12	-	1467.54 µg/Kg	-



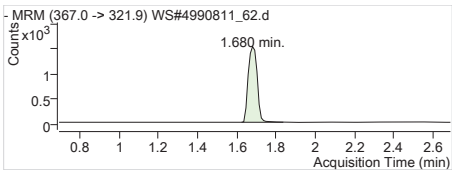


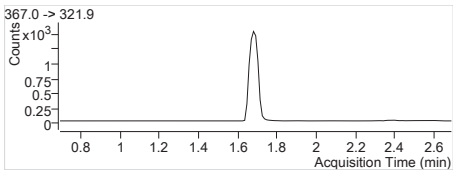
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



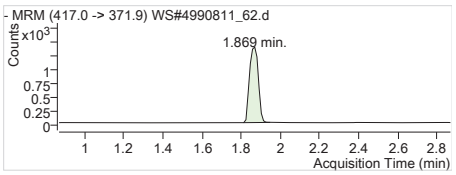


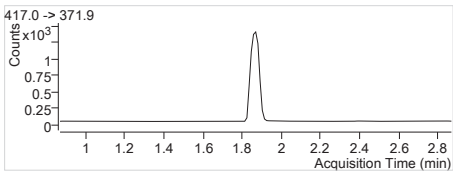
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



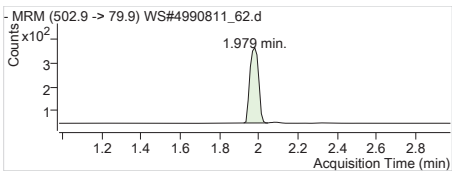


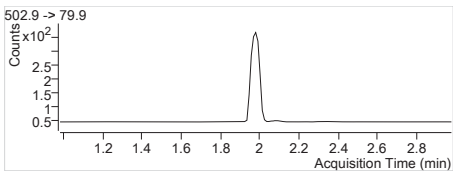
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



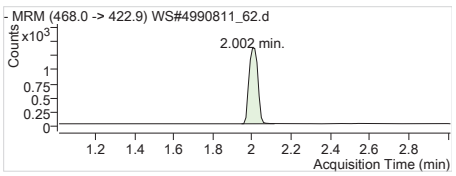


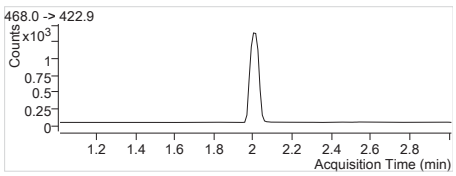
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



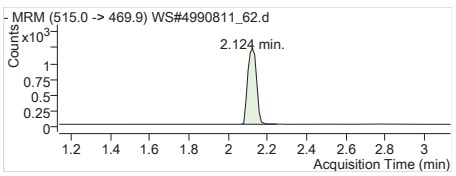


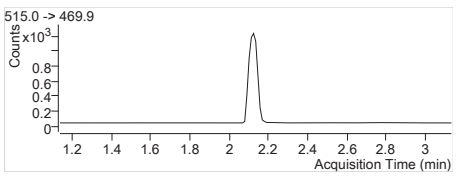
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



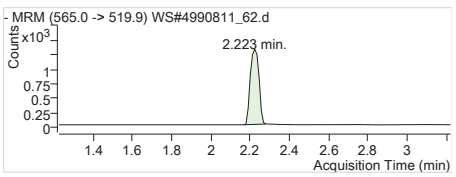


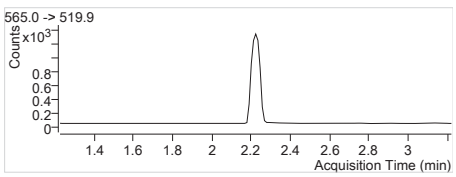
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



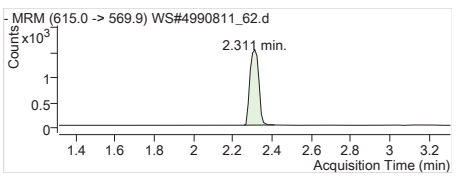


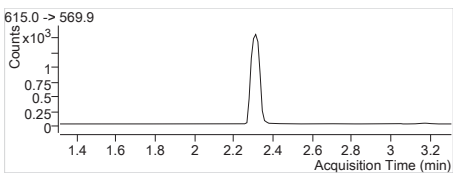
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



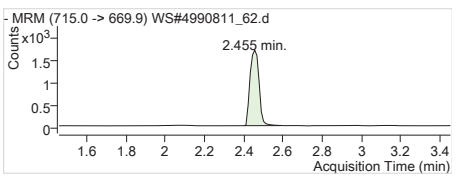


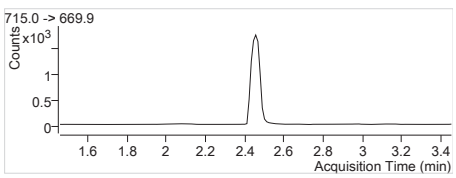
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



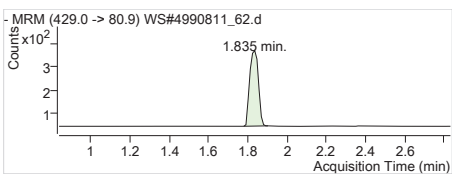


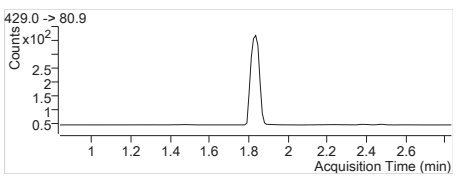
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



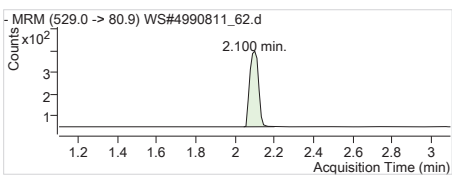


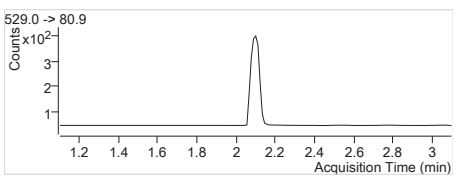
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



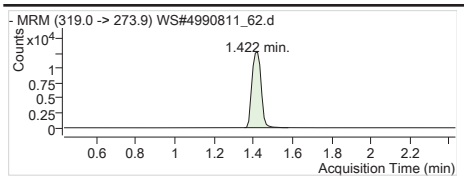


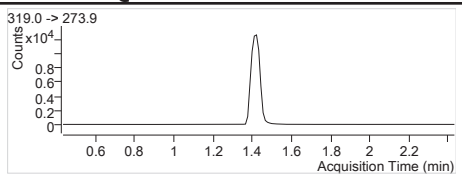
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



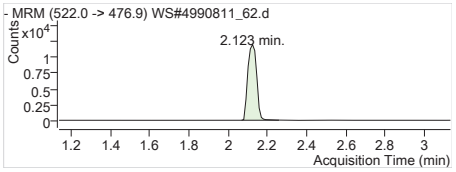


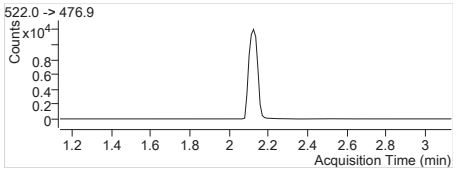
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



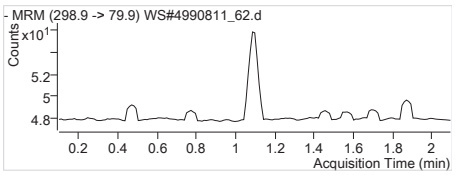


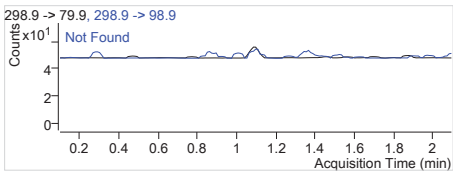
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



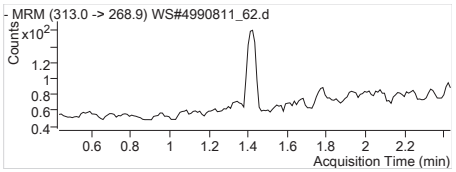


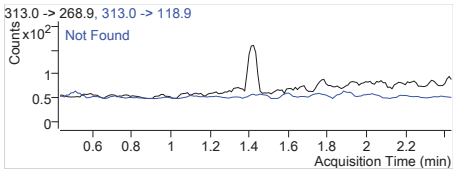
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



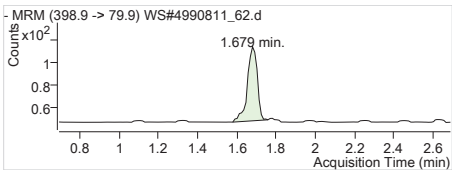


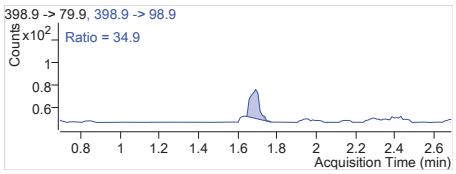
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



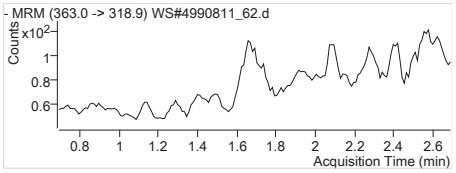


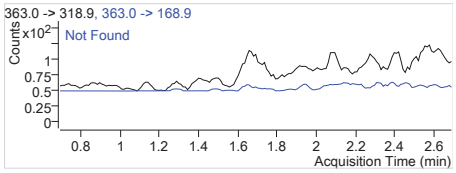
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



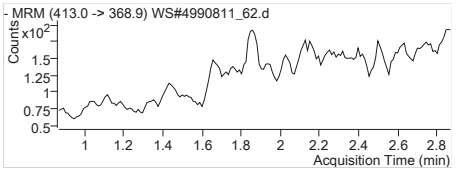


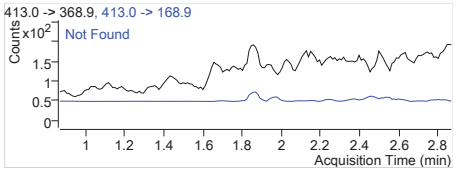
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 11.76 µg/Kg
Area ratio: 0.36640
Sample type: Sample



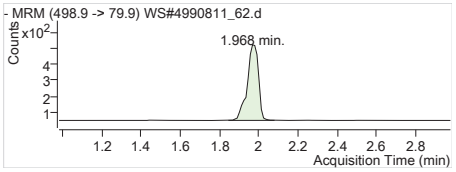


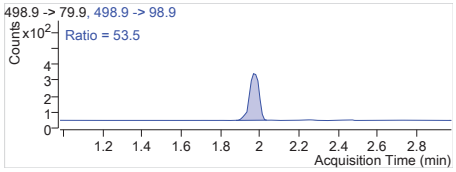
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



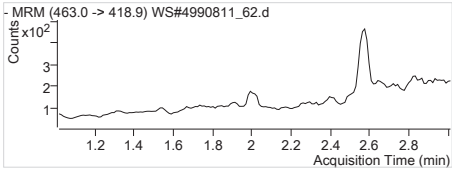


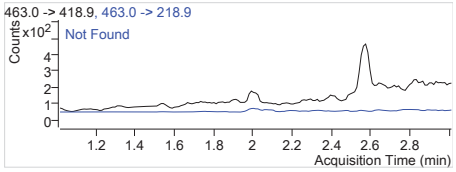
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



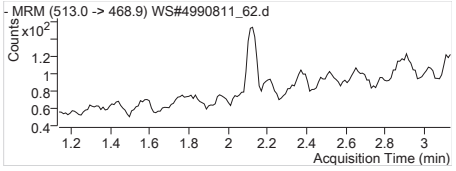


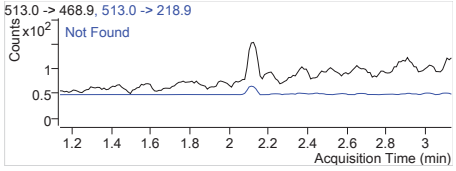
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 70.39 µg/Kg
Area ratio: 1.94184
Sample type: Sample



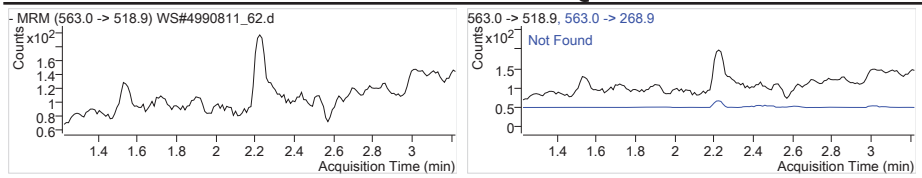


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

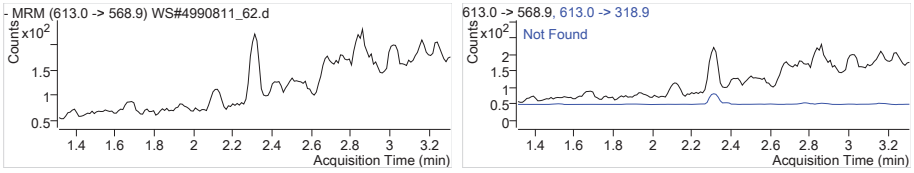




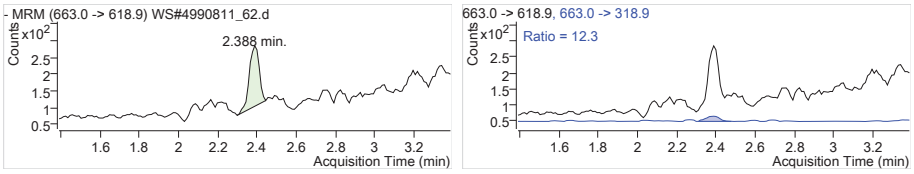
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



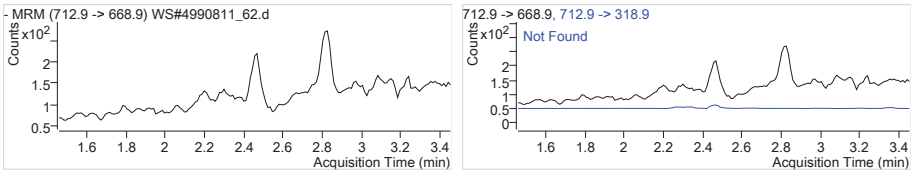
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



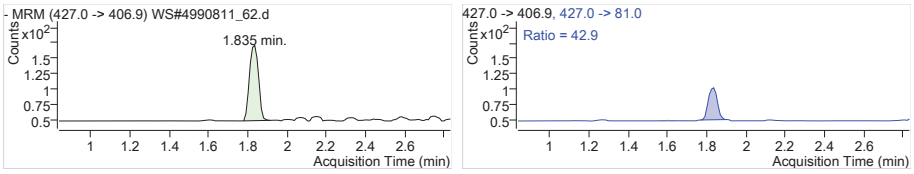
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



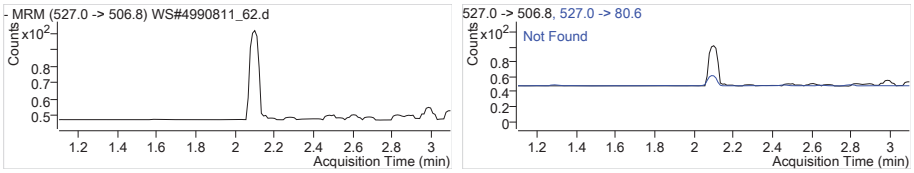
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 3.83 µg/Kg
Area ratio: 0.12088
Sample type: Sample



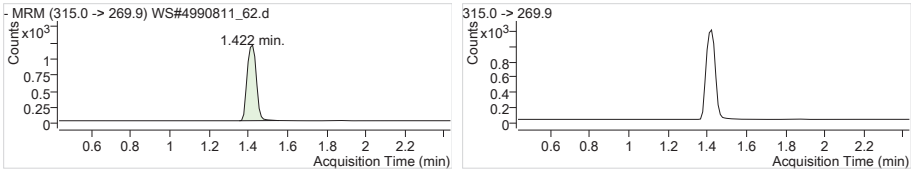
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



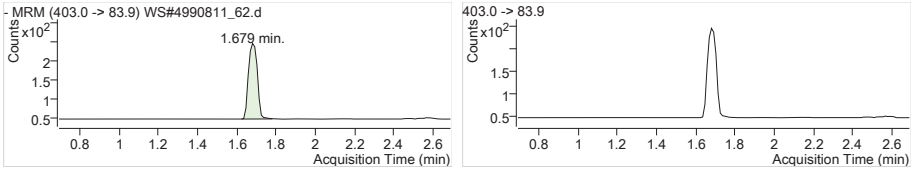
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 12.06 µg/Kg
Area ratio: 0.39638
Sample type: Sample



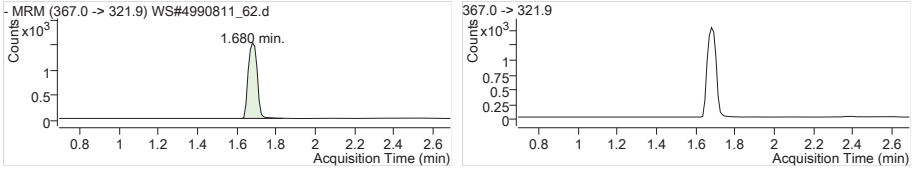
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



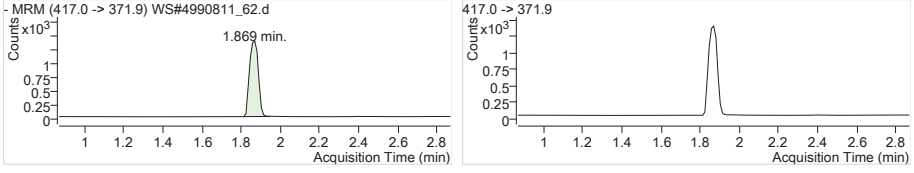
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 48.24 µg/Kg
Area ratio: 0.09290
Sample type: Sample



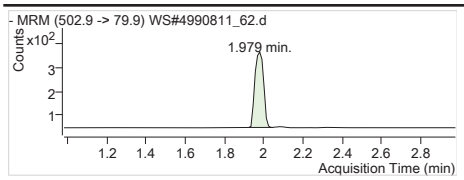
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 42.73 µg/Kg
Area ratio: 0.01525
Sample type: Sample

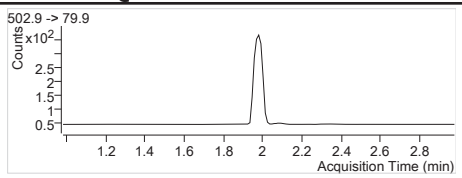


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 55.20 µg/Kg
Area ratio: 0.11599
Sample type: Sample

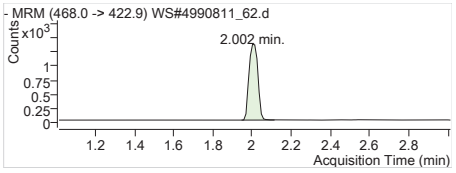


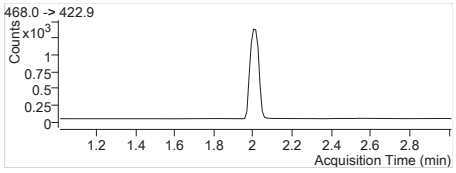
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 50.99 µg/Kg
Area ratio: 0.10335
Sample type: Sample



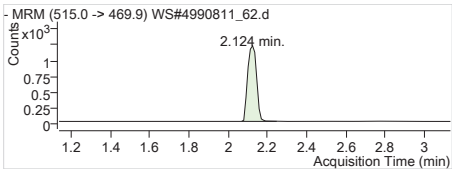


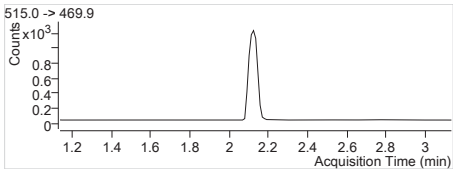
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 54.51 µg/Kg
Area ratio: 0.02391
Sample type: Sample



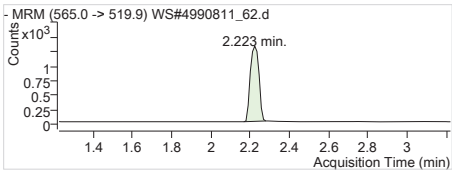


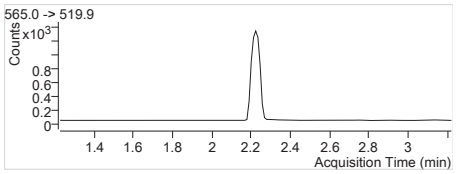
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 50.24 µg/Kg
Area ratio: 0.10291
Sample type: Sample



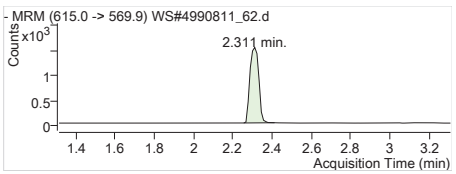


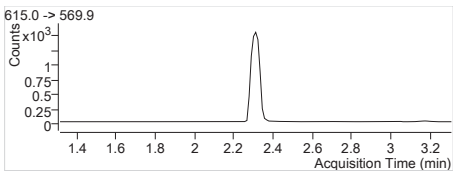
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 53.03 µg/Kg
Area ratio: 0.09940
Sample type: Sample



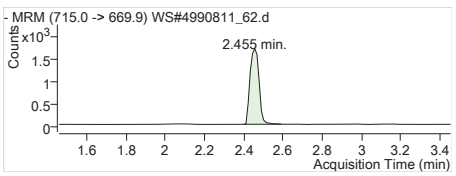


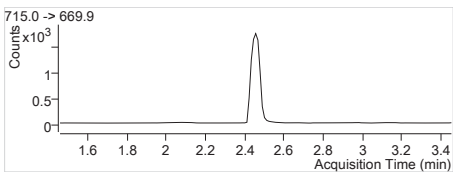
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 48.91 µg/Kg
Area ratio: 0.10573
Sample type: Sample



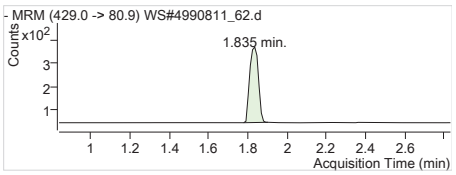


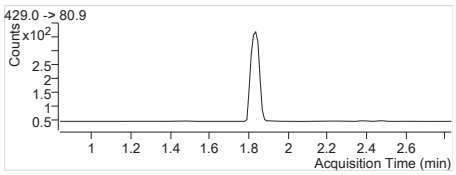
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 51.03 µg/Kg
Area ratio: 0.12650
Sample type: Sample



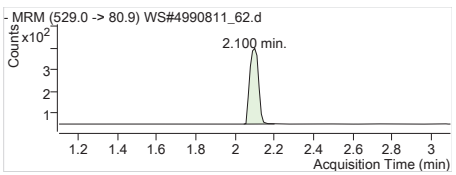


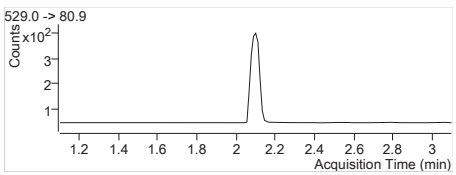
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 47.21 µg/Kg
Area ratio: 0.14383
Sample type: Sample



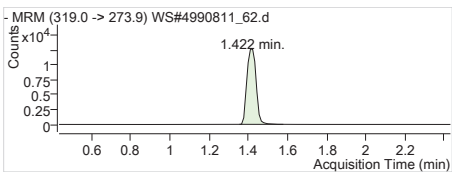


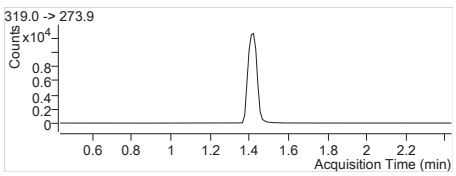
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 49.68 µg/Kg
Area ratio: 0.02426
Sample type: Sample



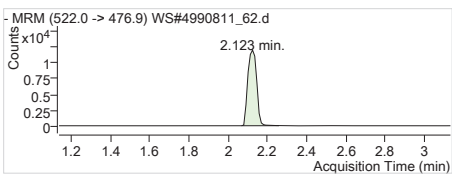


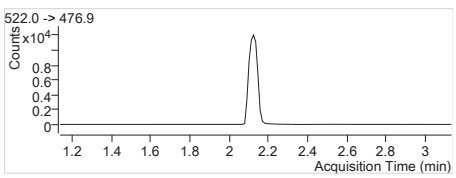
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 52.97 µg/Kg
Area ratio: 0.02667
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 1446.52 µg/Kg
Area ratio: 0
Sample type: Sample





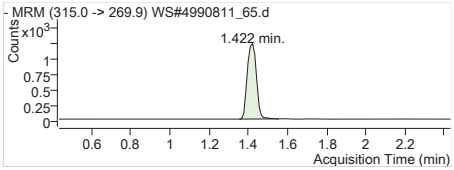
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 1467.54 µg/Kg
Area ratio: 0
Sample type: Sample

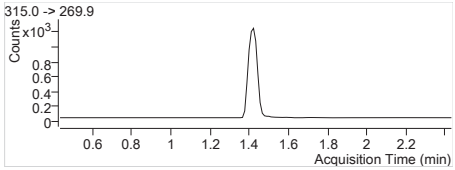
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:EJI425-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_65.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	13.87
Acq. Method	PFC_Soil.m	**Position**	P2-E6
Acq. Date	2017/05/25 3:00:49 PM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS only.		

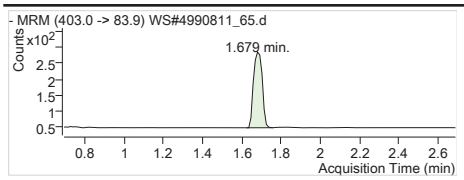
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	3906	1.42	1 µg/Kg		
MPFHxS	734	1.68	1 µg/Kg		
MPFHpA	4452	1.68	1 µg/Kg		
MPFOA	4118	1.87	1 µg/Kg		
MPFOS	990	1.98	1 µg/Kg		
MPFNA	4368	2.00	1 µg/Kg		
MPFDA	3628	2.12	1 µg/Kg		
MPFUnA	4198	2.22	1 µg/Kg		
MPFDoA	4642	2.31	1 µg/Kg		
MPFTeDA	5143	2.46	1 µg/Kg		
M2 6:2 FTS	1179	1.83	1 µg/Kg		
M2 8:2 FTS	1112	2.10	1 µg/Kg		
13C6-PFHxA IS	41623	1.42	1 µg/Kg		
13C9-PFDA IS	38710	2.12	1 µg/Kg		

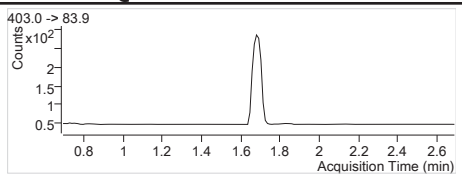
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	188	1.69	-	8.51 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1	4190	1.97	-	149.50 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	758	1.84	-	19.64 µg/Kg	-
8:2-FTS 1	356	2.10	-	11.06 µg/Kg	-
13C2-PFHxA	3906	1.42	-	48.73 µg/Kg	-
18O2-PFHxS	734	1.68	-	49.41 µg/Kg	-
13C4-PFHpA	4452	1.68	-	50.91 µg/Kg	-
13C4-PFOA	4118	1.87	-	48.81 µg/Kg	-
13C4-PFOS	990	1.98	-	54.21 µg/Kg	-
13C5-PFNA	4368	2.00	-	51.23 µg/Kg	-
13C2-PFDA	3628	2.12	-	50.01 µg/Kg	-
13C2-PFUnA	4198	2.22	-	50.17 µg/Kg	-
13C2-PFDoA	4642	2.31	-	48.38 µg/Kg	-
13C2-PFTeDA	5143	2.46	-	43.61 µg/Kg	-
13C2-6:2-FTS	1179	1.83	-	58.02 µg/Kg	-
13C2-8:2 FTS	1112	2.10	-	53.06 µg/Kg	-
13C6-PFHxA	41623	1.42	-	1431.08 µg/Kg	-
13C9-PFDA	38710	2.12	-	1473.29 µg/Kg	-



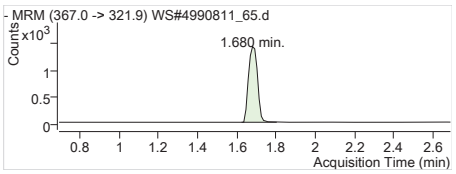


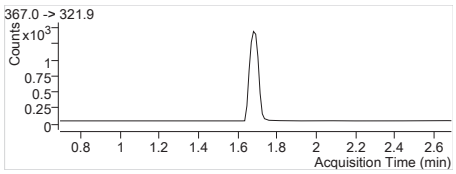
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



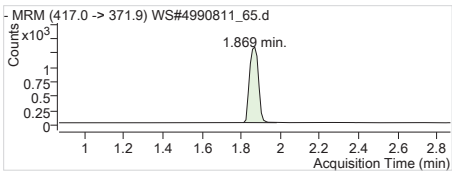


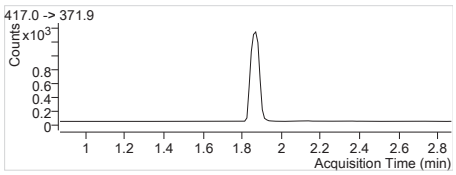
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



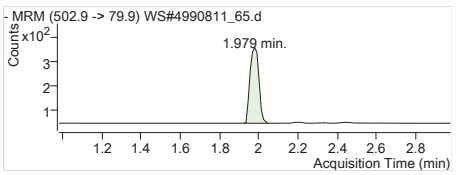


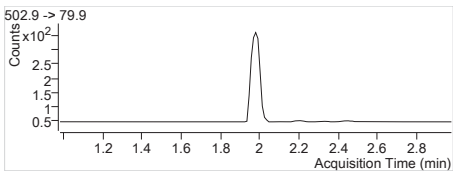
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



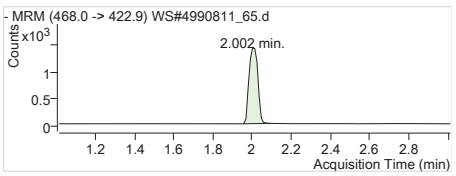


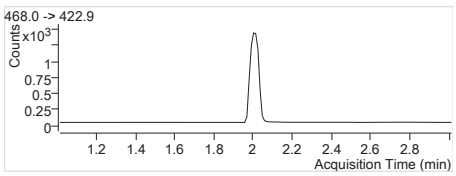
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



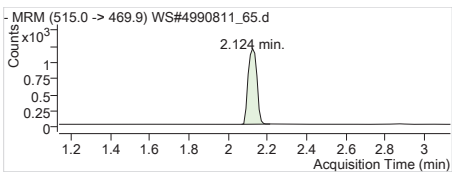


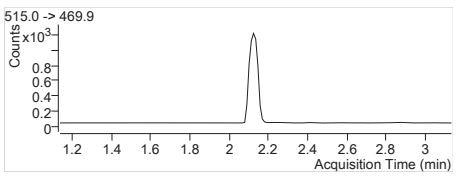
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



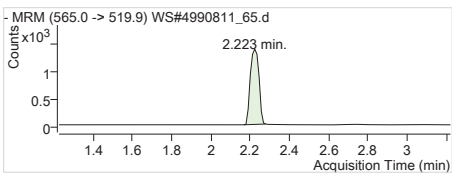


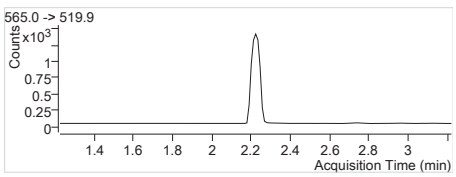
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



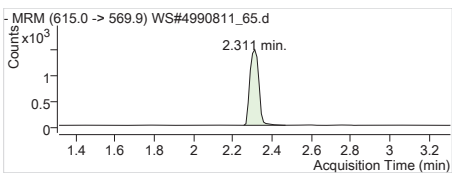


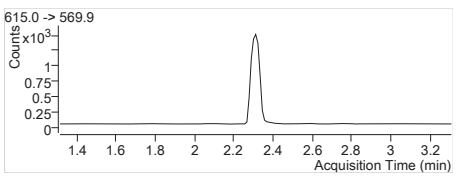
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



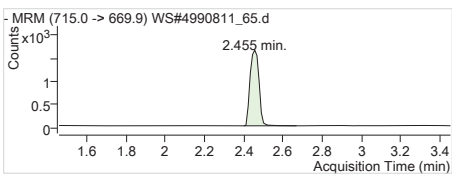


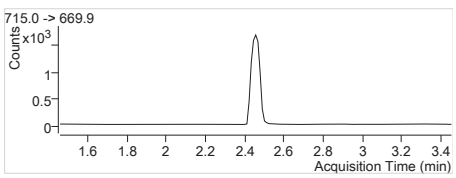
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



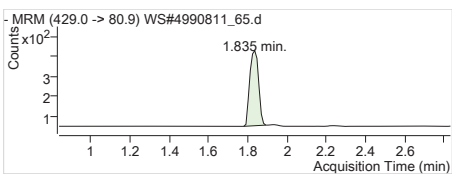


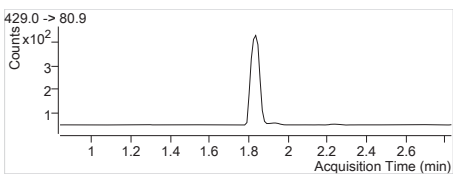
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



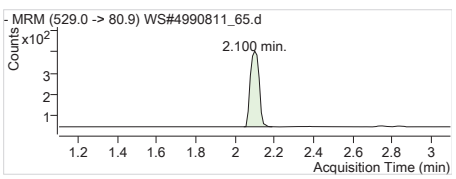


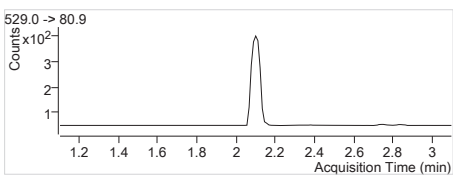
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



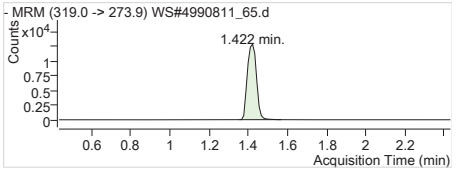


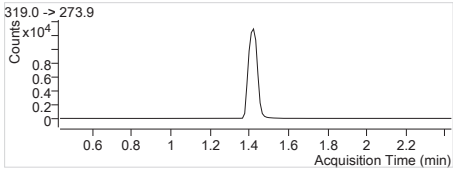
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



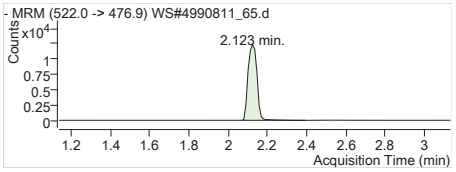


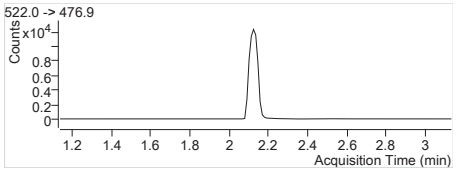
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



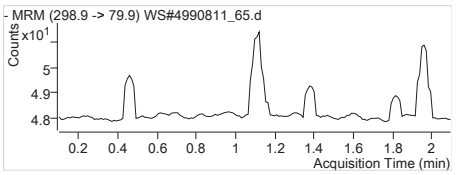


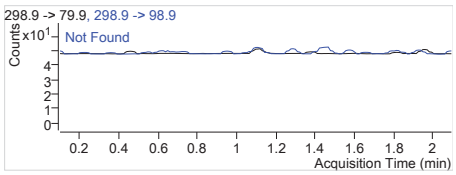
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



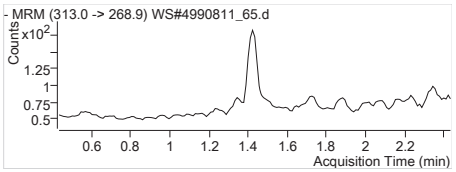


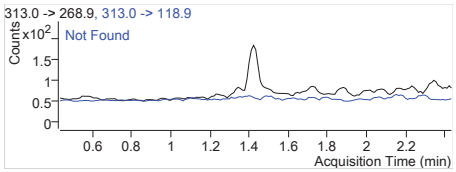
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



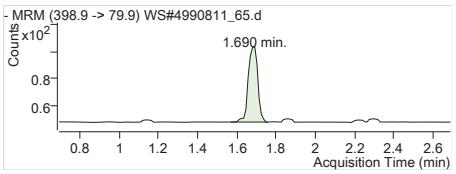


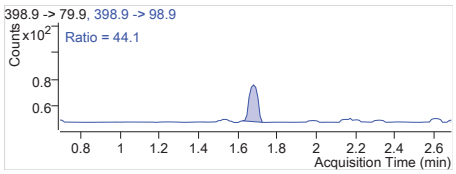
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



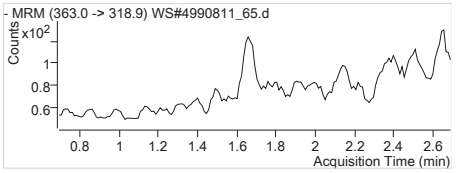


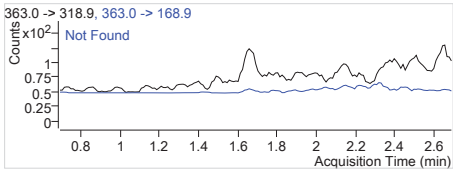
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



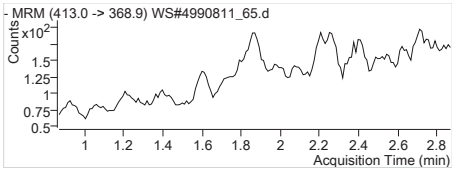


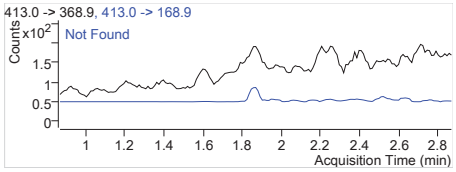
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 8.51 µg/Kg
Area ratio: 0.25613
Sample type: Sample



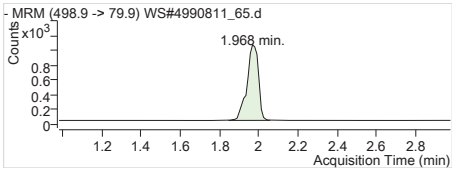


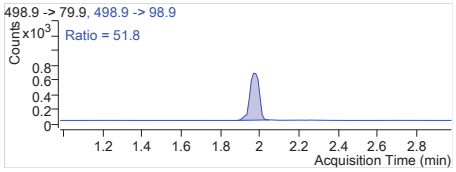
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



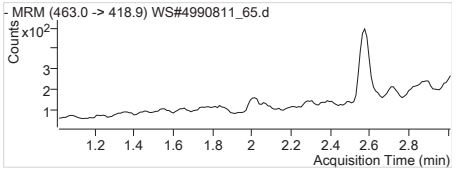


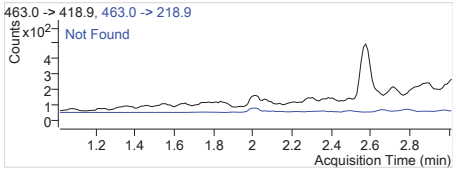
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



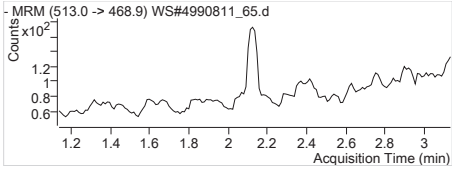


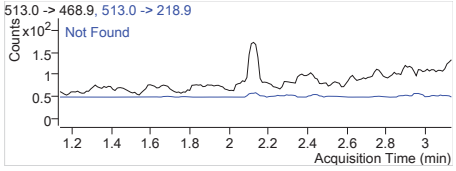
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.968 (1.979)
Calc. conc. 149.50 µg/Kg
Area ratio: 4.23232
Sample type: Sample



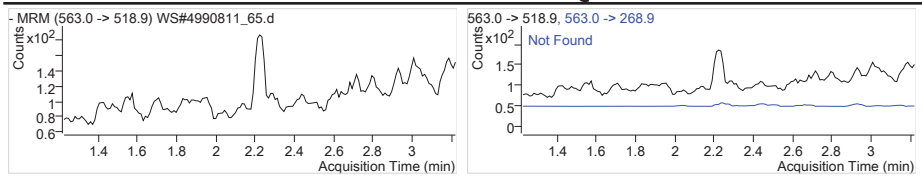


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

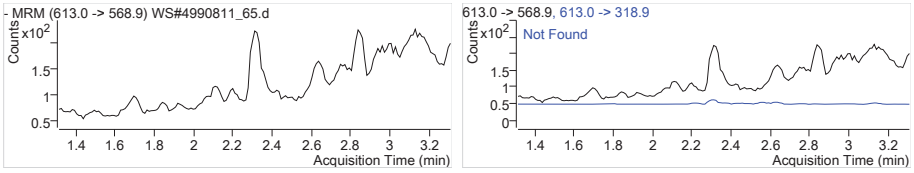




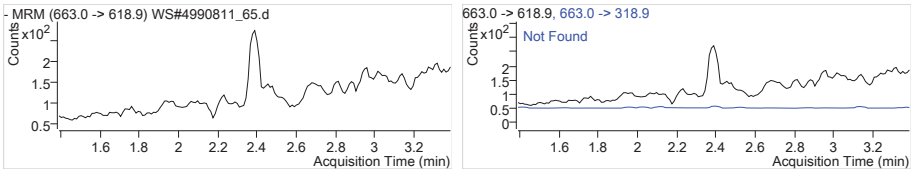
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



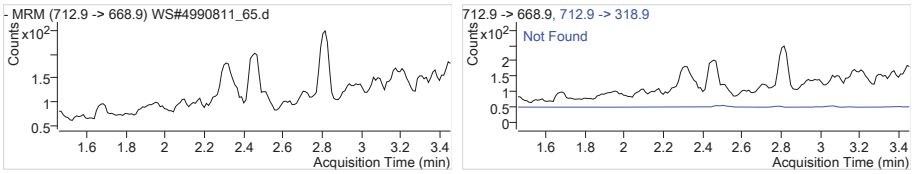
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



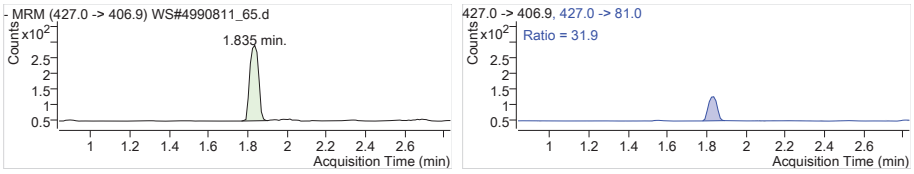
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



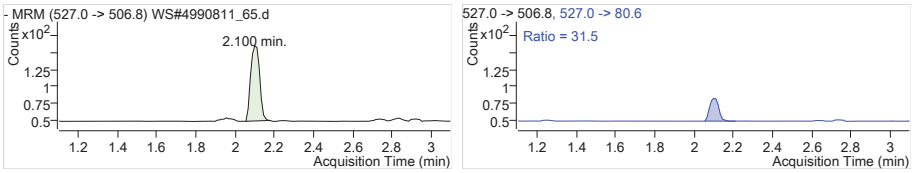
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



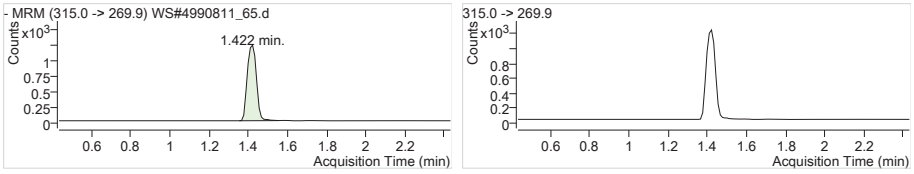
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



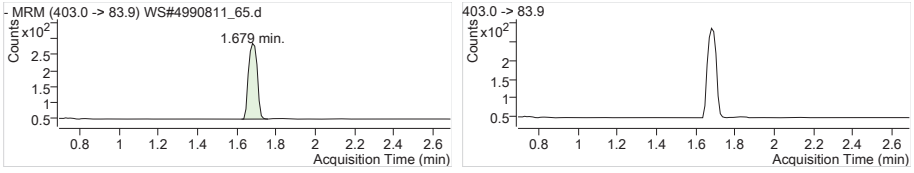
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 19.64 µg/Kg
Area ratio: 0.64292
Sample type: Sample



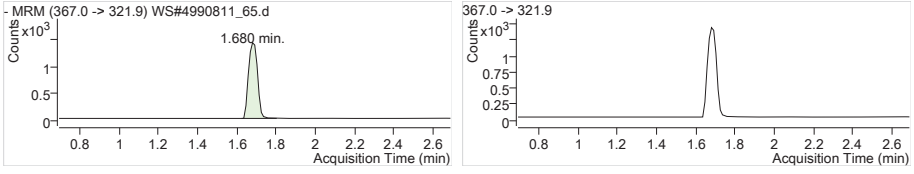
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 11.06 µg/Kg
Area ratio: 0.32014
Sample type: Sample



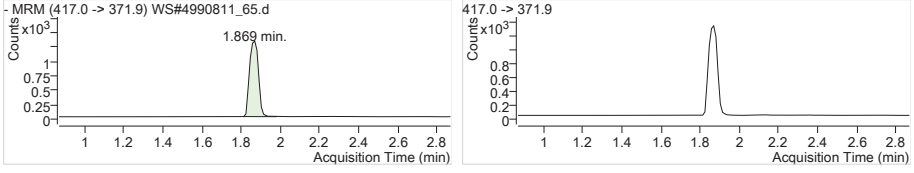
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 48.73 µg/Kg
Area ratio: 0.09384
Sample type: Sample



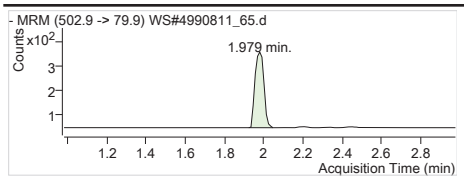
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 49.41 µg/Kg
Area ratio: 0.01763
Sample type: Sample

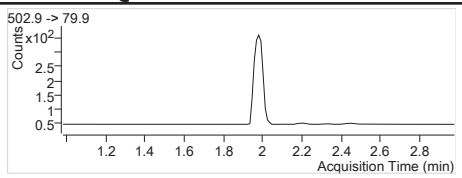


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 50.91 µg/Kg
Area ratio: 0.10696
Sample type: Sample

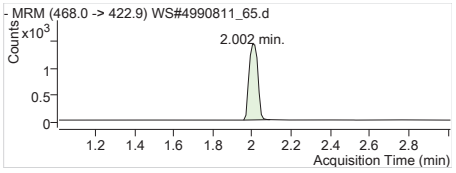


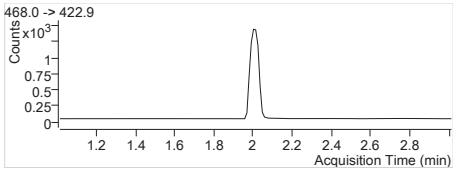
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 48.81 µg/Kg
Area ratio: 0.09894
Sample type: Sample



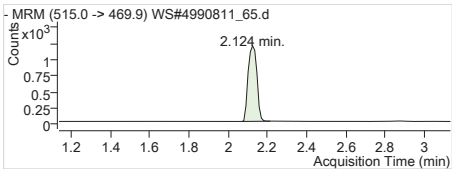


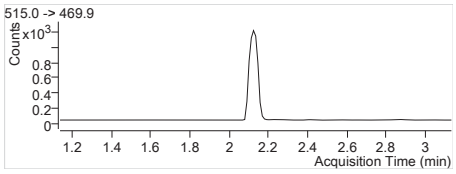
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 54.21 µg/Kg
Area ratio: 0.02378
Sample type: Sample



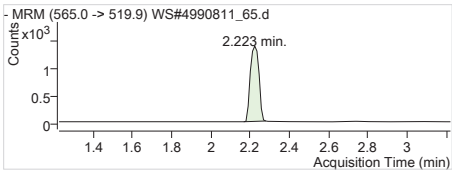


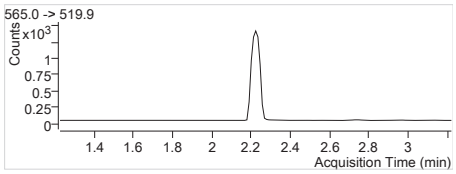
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 51.23 µg/Kg
Area ratio: 0.10494
Sample type: Sample



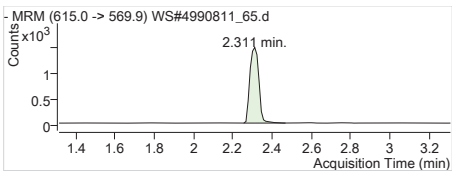


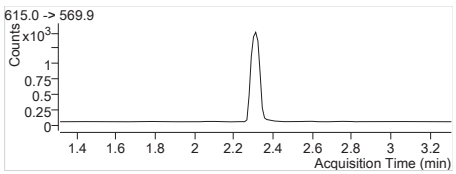
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 50.01 µg/Kg
Area ratio: 0.09372
Sample type: Sample



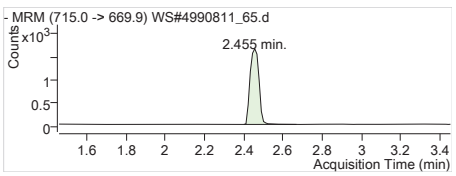


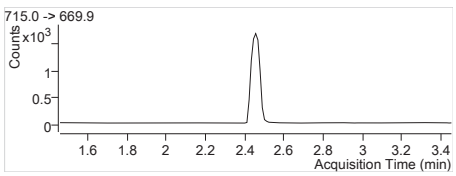
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 50.17 µg/Kg
Area ratio: 0.10845
Sample type: Sample



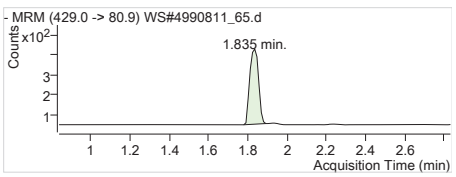


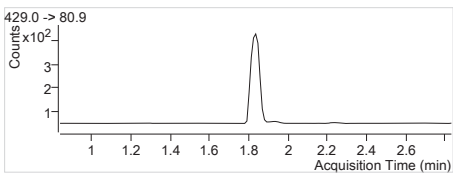
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 48.38 µg/Kg
Area ratio: 0.11992
Sample type: Sample



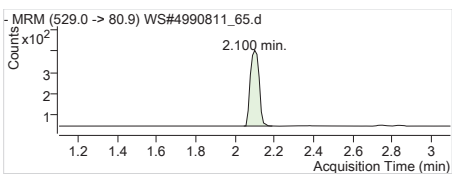


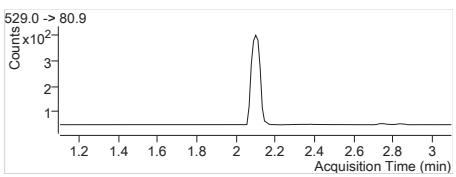
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 43.61 µg/Kg
Area ratio: 0.13286
Sample type: Sample



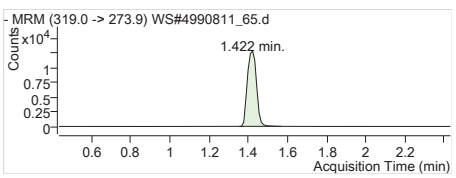


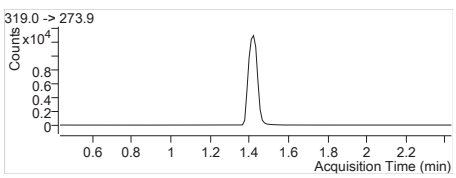
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 58.02 µg/Kg
Area ratio: 0.02833
Sample type: Sample



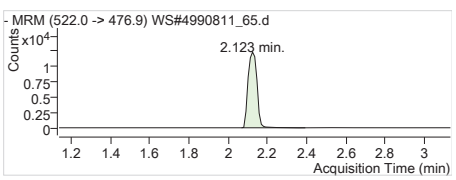


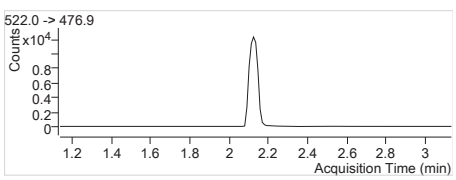
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 53.06 µg/Kg
Area ratio: 0.02672
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 1431.08 µg/Kg
Area ratio: 0
Sample type: Sample





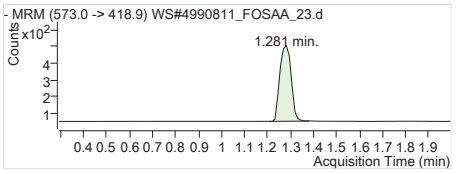
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 1473.29 µg/Kg
Area ratio: 0
Sample type: Sample

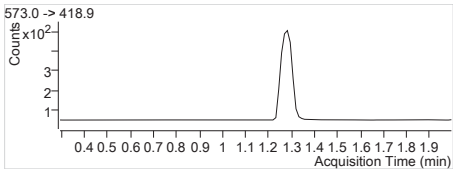
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI396-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_23.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.19
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B5
Acq. Date	2017/05/25 2:04:17 AM	**Injection Volume**	Per Method
Sample Annotation	-		

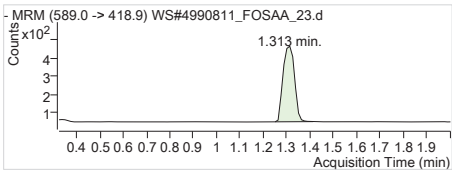
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1574	1.28	1 µg/Kg		
D5-EtFOSAA IS	1420	1.31	1 µg/Kg		
13C9-PFDA IS	35753	0.85	1 µg/Kg		

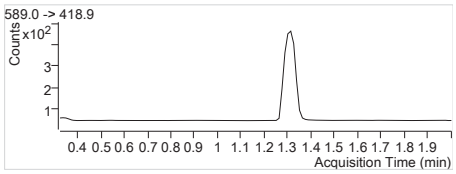
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1589	1.28	-	82.20 µg/Kg	-
D5-EtFOSAA	1432	1.31	-	82.87 µg/Kg	-
13C9-PFDA	36513	0.85	-	138.76 µg/Kg	-



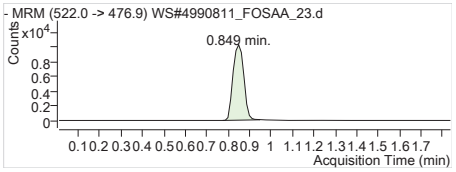


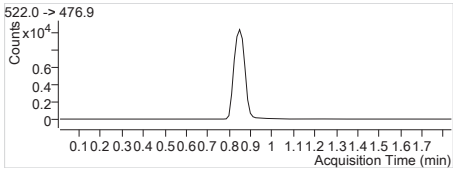
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



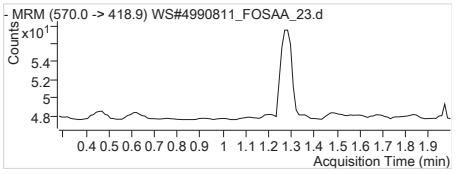


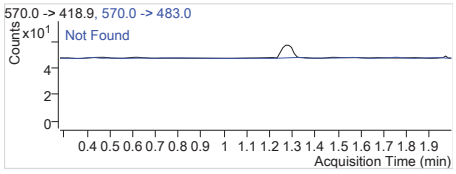
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



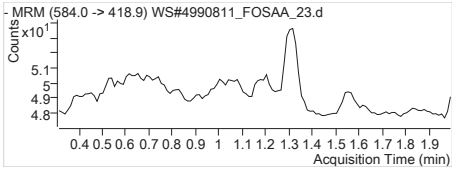


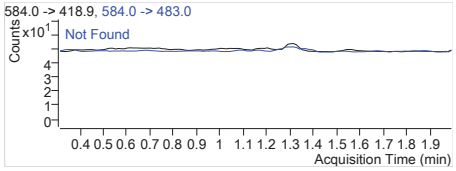
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



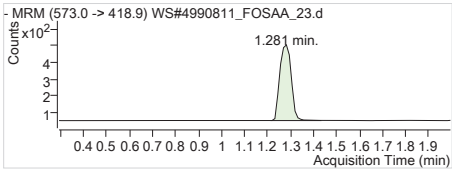


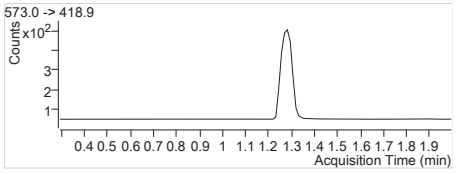
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



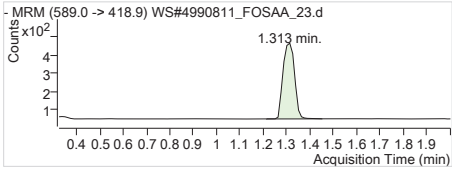


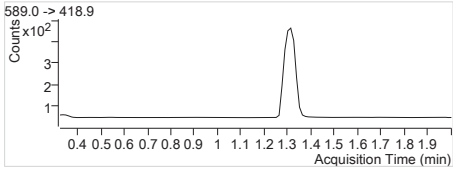
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



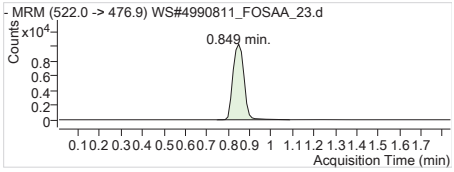


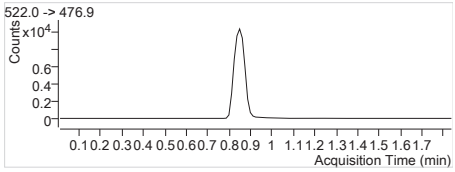
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 82.20 µg/Kg
Area ratio: 0.04444
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 82.87 µg/Kg
Area ratio: 0.04006
Sample type: Sample





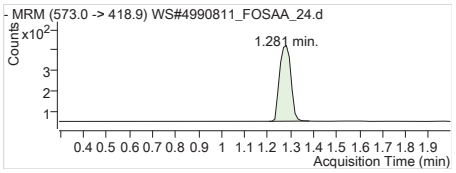
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	138.76 µg/Kg
Area ratio:	0
Sample type:	Sample

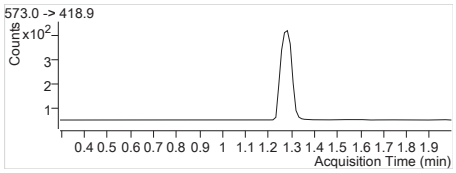
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI398-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_24.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.383
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B6
Acq. Date	2017/05/25 2:06:40 AM	**Injection Volume**	Per Method
Sample Annotation	-		

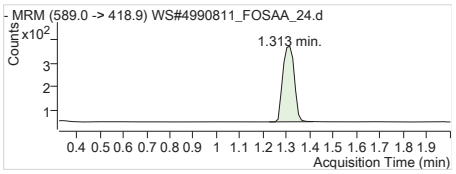
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1284	1.28	1 µg/Kg		
D5-EtFOSAA IS	1121	1.31	1 µg/Kg		
13C9-PFDA IS	32869	0.85	1 µg/Kg		

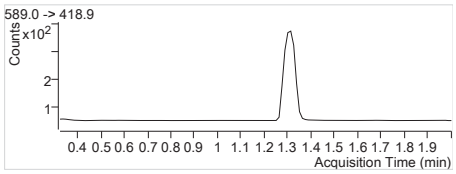
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1293	1.28	-	72.76 µg/Kg	-
D5-EtFOSAA	1119	1.31	-	70.42 µg/Kg	-
13C9-PFDA	33523	0.85	-	148.06 µg/Kg	-



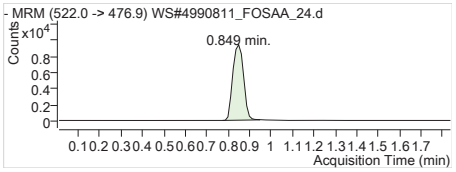


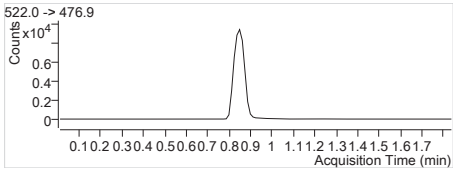
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



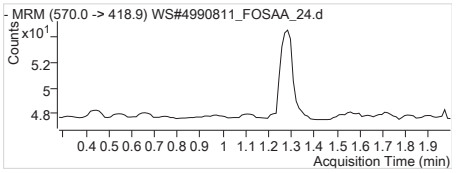


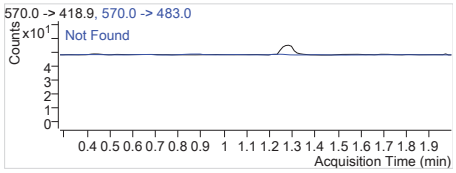
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



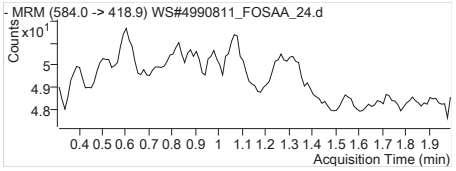


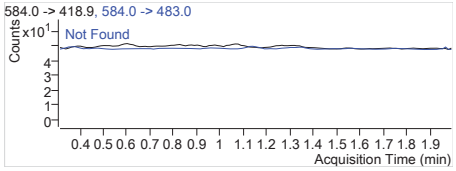
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



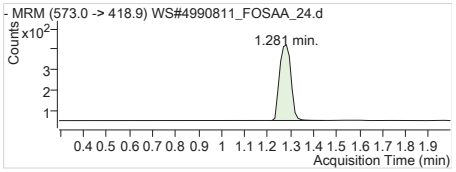


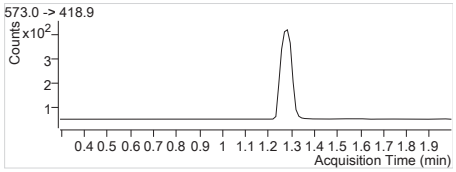
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



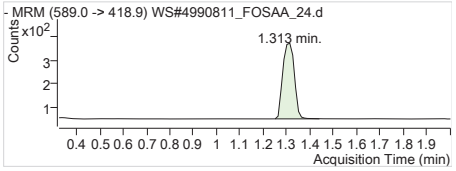


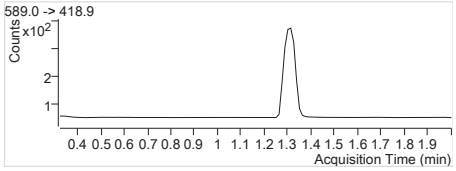
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



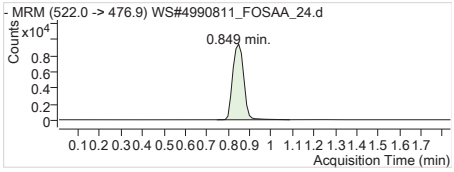


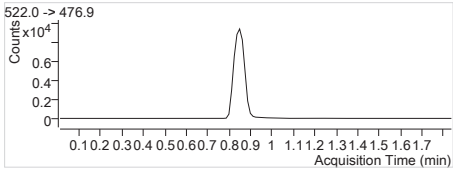
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 72.76 µg/Kg
Area ratio: 0.03933
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 70.42 µg/Kg
Area ratio: 0.03404
Sample type: Sample





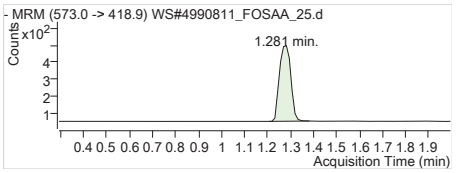
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	148.06 µg/Kg
Area ratio:	0
Sample type:	Sample

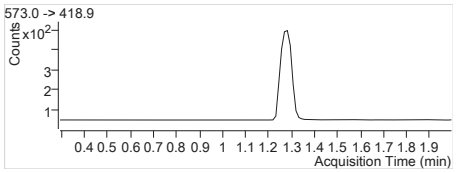
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI399-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_25.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.381
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B7
Acq. Date	2017/05/25 2:09:05 AM	**Injection Volume**	Per Method
Sample Annotation	-		

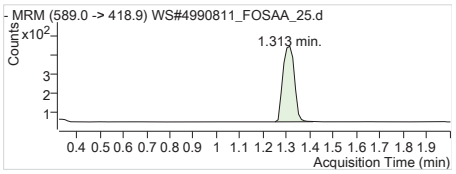
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1550	1.28	1 µg/Kg		
D5-EtFOSAA IS	1382	1.31	1 µg/Kg		
13C9-PFDA IS	32217	0.85	1 µg/Kg		

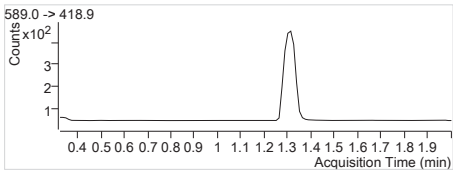
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1557	1.28	-	89.38 µg/Kg	-
D5-EtFOSAA	1382	1.31	-	88.71 µg/Kg	-
13C9-PFDA	32782	0.85	-	144.58 µg/Kg	-



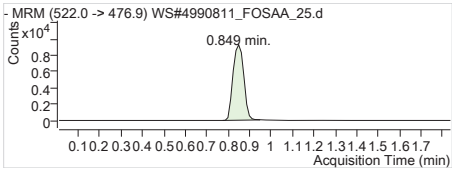


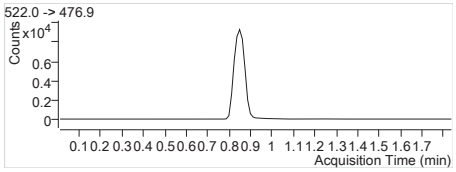
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



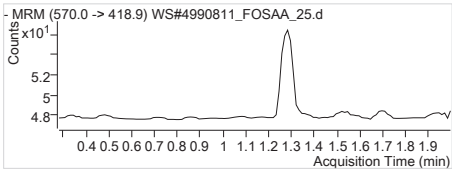


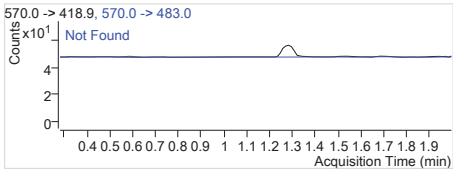
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



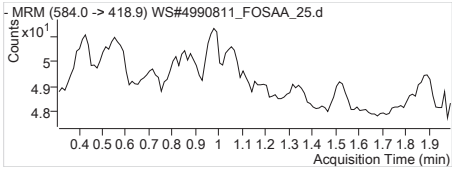


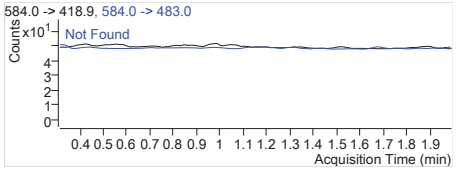
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



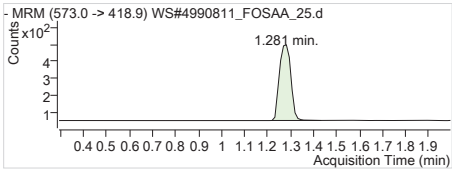


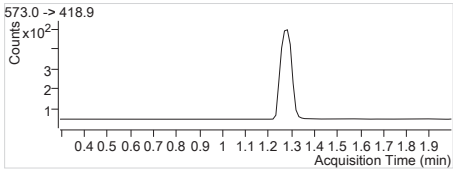
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



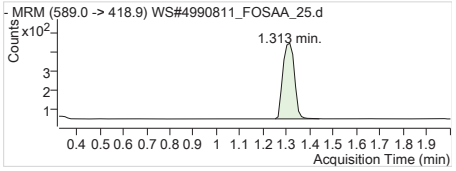


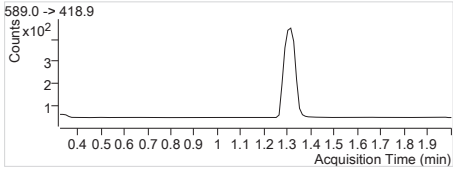
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



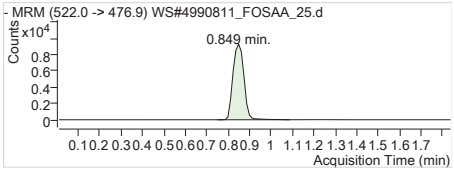


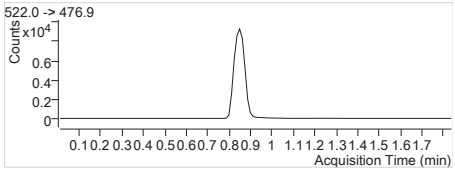
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 89.38 µg/Kg
Area ratio: 0.04832
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 88.71 µg/Kg
Area ratio: 0.04289
Sample type: Sample





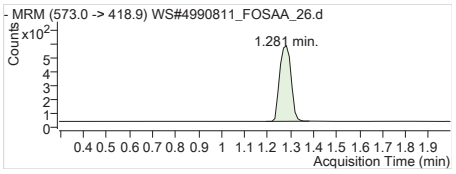
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	144.58 µg/Kg
Area ratio:	0
Sample type:	Sample

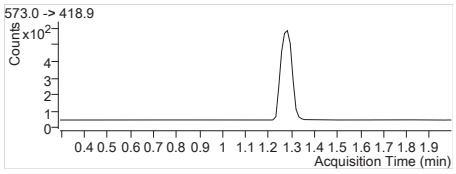
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI401-01:1000x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_26.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1572.327
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B8
Acq. Date	2017/05/25 2:11:28 AM	**Injection Volume**	Per Method
Sample Annotation	Not used		

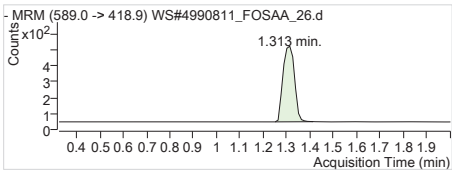
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1859	1.28	1 µg/Kg		
D5-EtFOSAA IS	1635	1.31	1 µg/Kg		
13C9-PFDA IS	29820	0.85	1 µg/Kg		

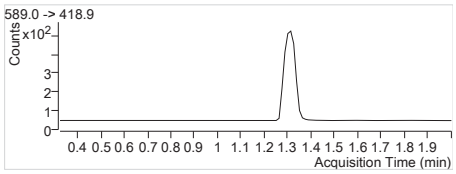
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1867	1.28	-	115.80 µg/Kg	-
D5-EtFOSAA	1636	1.31	-	113.52 µg/Kg	-
13C9-PFDA	30482	0.85	-	153061.03 µg/Kg	-



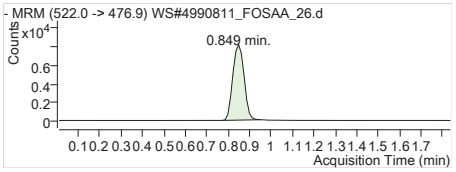


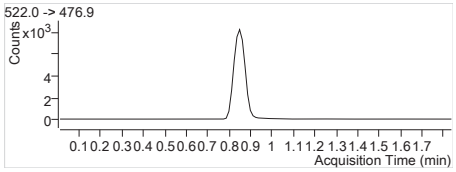
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



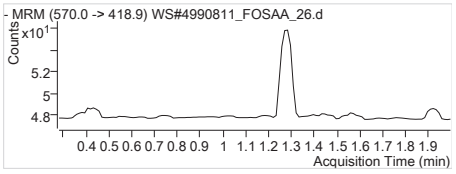


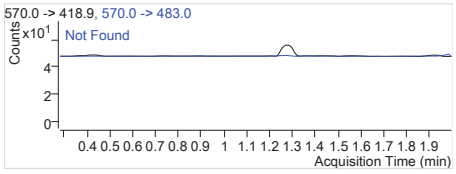
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



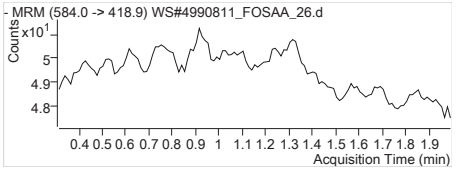


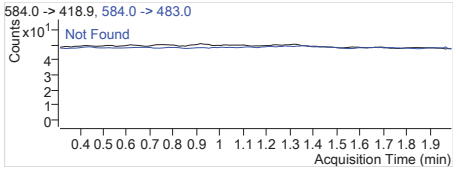
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



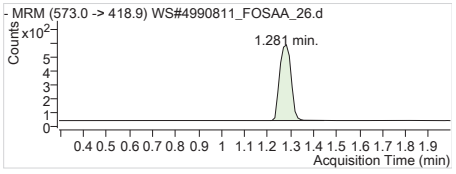


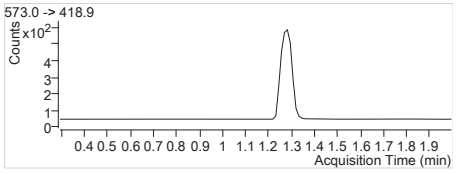
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



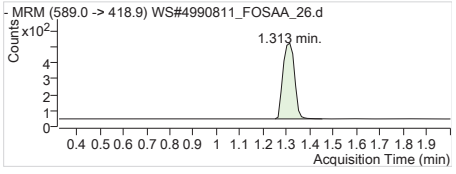


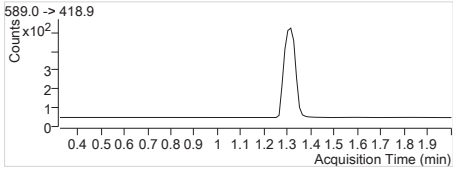
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



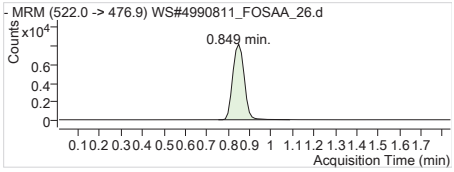


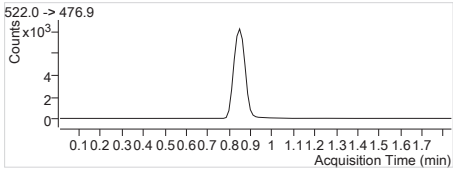
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 115.80 µg/Kg
Area ratio: 0.06260
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 113.52 µg/Kg
Area ratio: 0.05488
Sample type: Sample





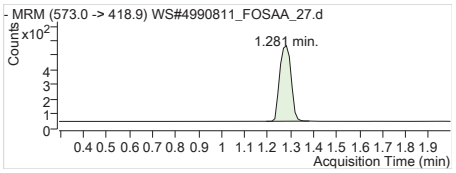
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	153061.03 µg/Kg
Area ratio:	0
Sample type:	Sample

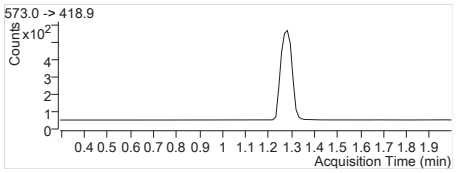
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI402-01:1000x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_27.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1311.906
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C1
Acq. Date	2017/05/25 2:13:50 AM	**Injection Volume**	Per Method
Sample Annotation	Not used		

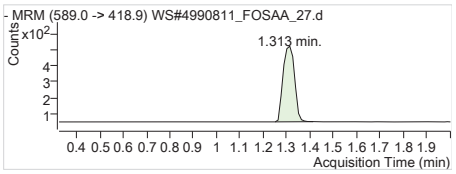
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1778	1.28	1 µg/Kg		
D5-EtFOSAA IS	1616	1.31	1 µg/Kg		
13C9-PFDA IS	30819	0.85	1 µg/Kg		

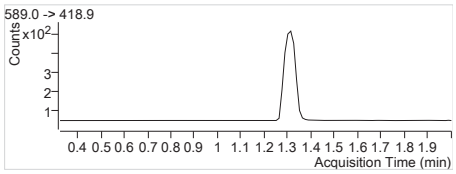
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1790	1.28	-	107.45 µg/Kg	-
D5-EtFOSAA	1617	1.31	-	108.55 µg/Kg	-
13C9-PFDA	31536	0.85	-	132125.36 µg/Kg	-



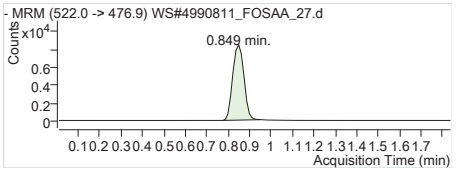


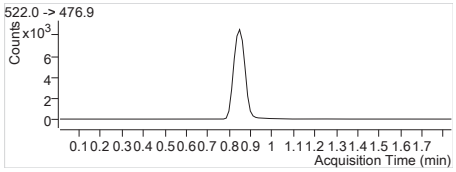
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



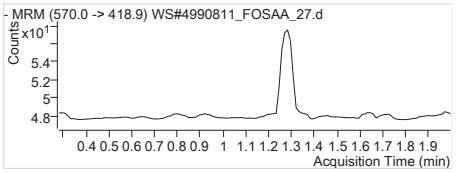


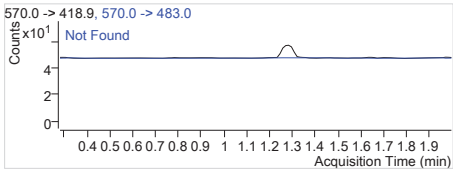
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



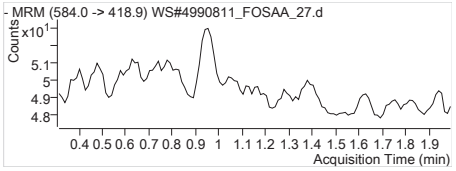


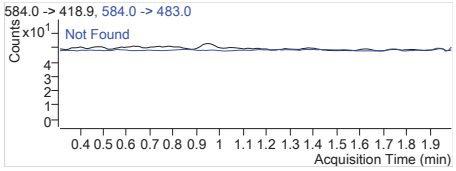
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



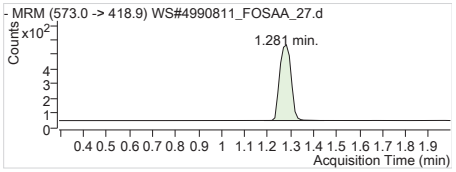


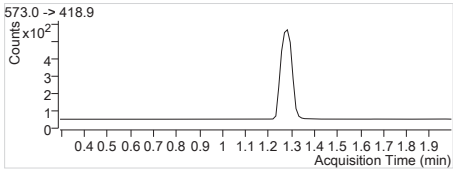
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



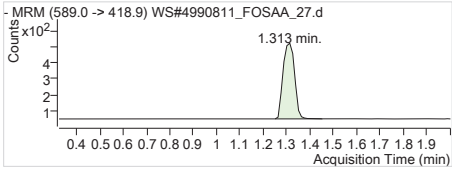


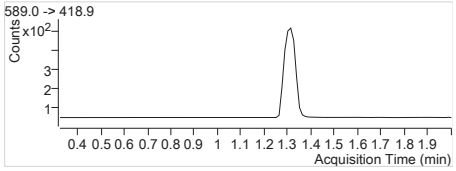
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



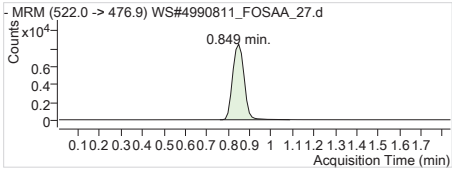


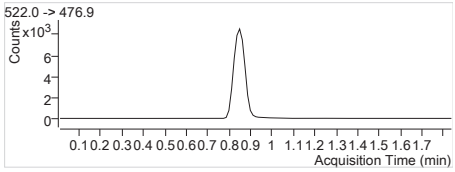
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 107.45 µg/Kg
Area ratio: 0.05809
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 108.55 µg/Kg
Area ratio: 0.05248
Sample type: Sample





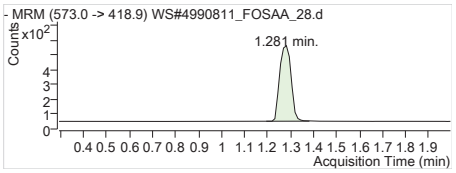
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	132125.36 µg/Kg
Area ratio:	0
Sample type:	Sample

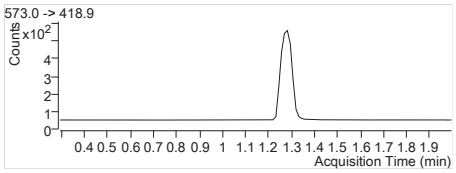
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI404-01:1000x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_28.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1598.082
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C3
Acq. Date	2017/05/25 2:16:13 AM	**Injection Volume**	Per Method
Sample Annotation	Not used		

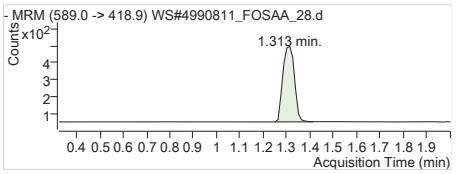
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1776	1.28	1 µg/Kg		
D5-EtFOSAA IS	1553	1.31	1 µg/Kg		
13C9-PFDA IS	28877	0.85	1 µg/Kg		

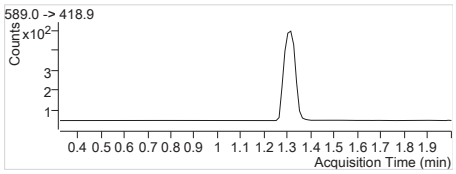
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1794	1.28	-	114.92 µg/Kg	-
D5-EtFOSAA	1547	1.31	-	110.83 µg/Kg	-
13C9-PFDA	29435	0.85	-	150221.90 µg/Kg	-



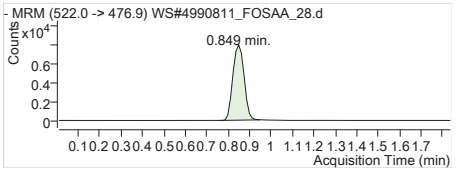


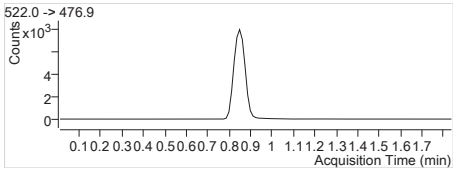
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



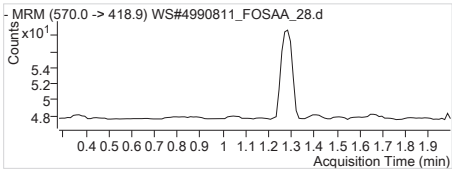


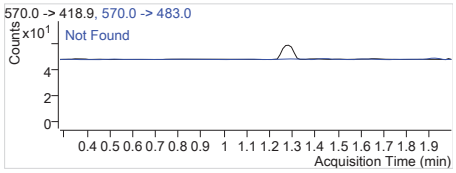
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



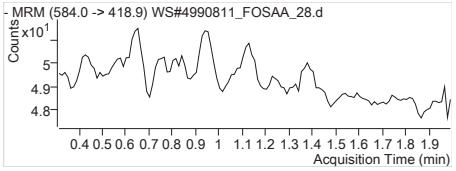


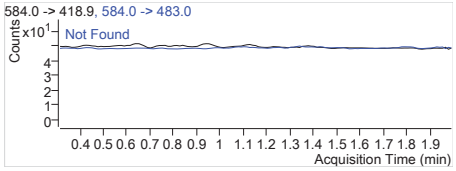
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



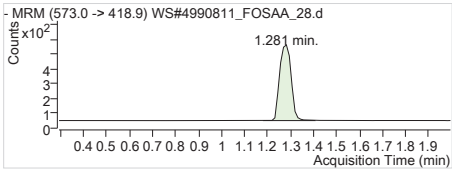


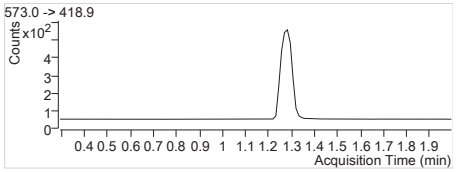
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



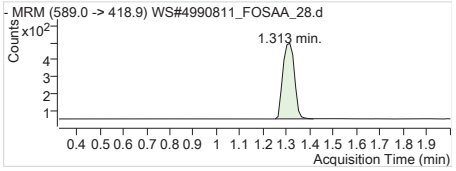


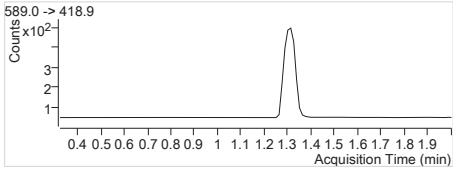
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



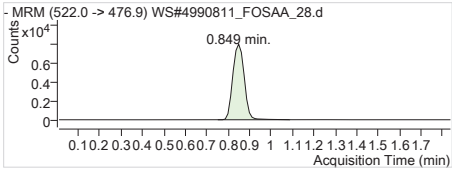


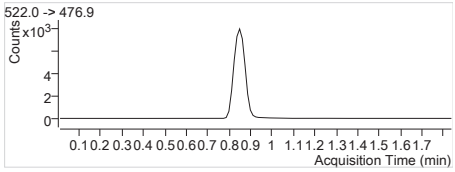
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 114.92 µg/Kg
Area ratio: 0.06212
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 110.83 µg/Kg
Area ratio: 0.05358
Sample type: Sample





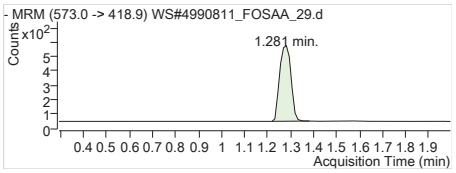
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	150221.90 µg/Kg
Area ratio:	0
Sample type:	Sample

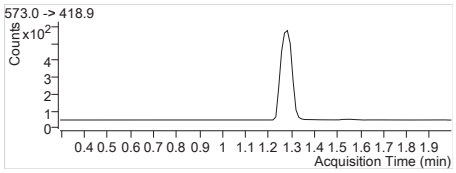
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI405-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_29.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.272
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C5
Acq. Date	2017/05/25 2:18:36 AM	**Injection Volume**	Per Method
Sample Annotation	-		

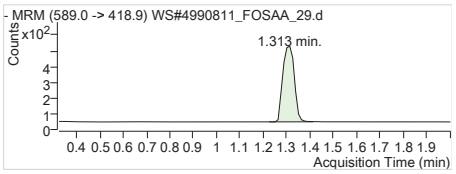
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1810	1.28	1 µg/Kg		
D5-EtFOSAA IS	1654	1.31	1 µg/Kg		
13C9-PFDA IS	33461	0.85	1 µg/Kg		

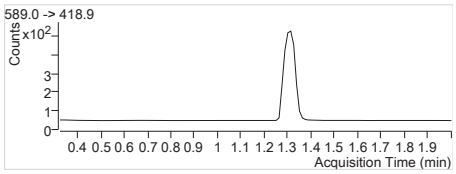
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1814	1.28	-	100.30 µg/Kg	-
D5-EtFOSAA	1660	1.31	-	102.64 µg/Kg	-
13C9-PFDA	34170	0.85	-	138.81 µg/Kg	-



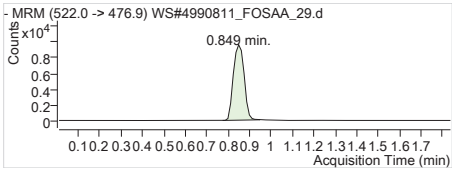


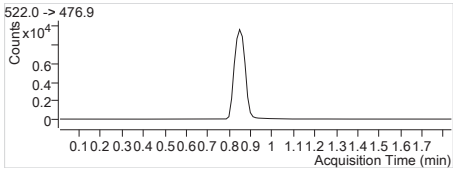
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



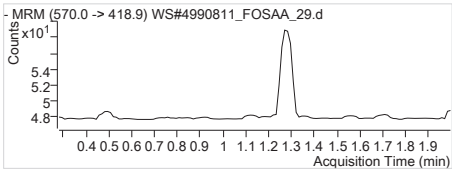


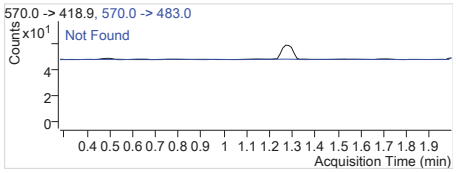
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



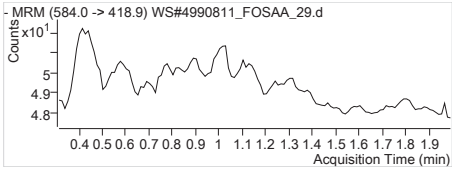


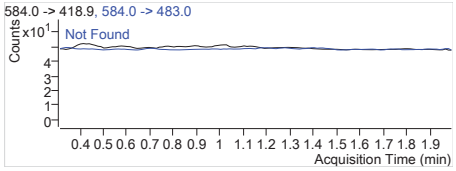
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



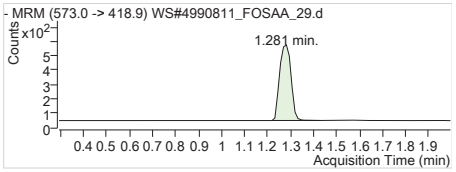


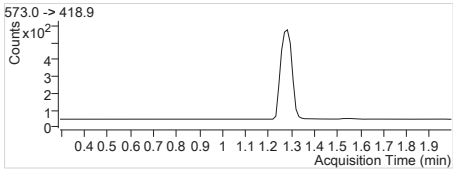
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



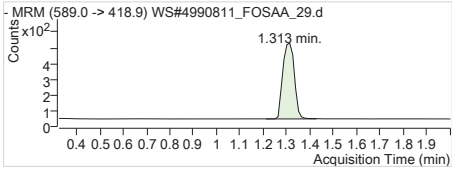


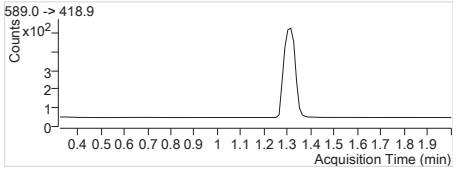
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



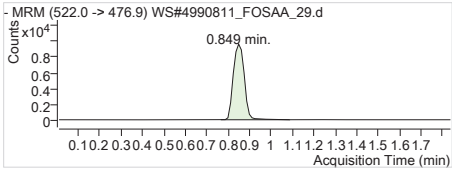


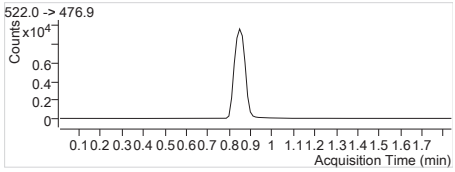
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 100.30 µg/Kg
Area ratio: 0.05422
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 102.64 µg/Kg
Area ratio: 0.04962
Sample type: Sample





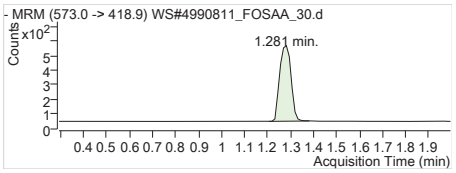
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	138.81 µg/Kg
Area ratio:	0
Sample type:	Sample

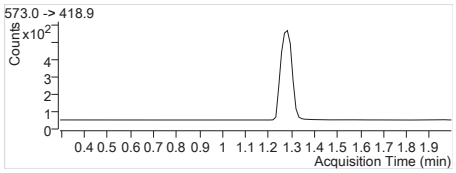
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI407-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_30.d	**Operator**	AD
Sample Type	Sample	**Dilution**	13.874
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C6
Acq. Date	2017/05/25 2:20:59 AM	**Injection Volume**	Per Method
Sample Annotation	Not used		

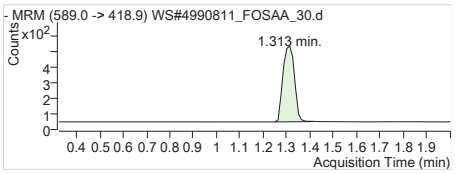
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1791	1.28	1 µg/Kg		
D5-EtFOSAA IS	1665	1.31	1 µg/Kg		
13C9-PFDA IS	31454	0.85	1 µg/Kg		

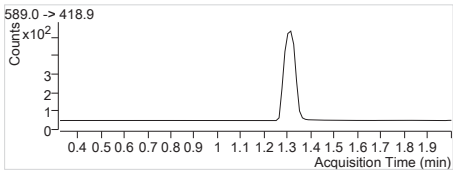
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1809	1.28	-	106.38 µg/Kg	-
D5-EtFOSAA	1669	1.31	-	109.76 µg/Kg	-
13C9-PFDA	32099	0.85	-	1422.23 µg/Kg	-



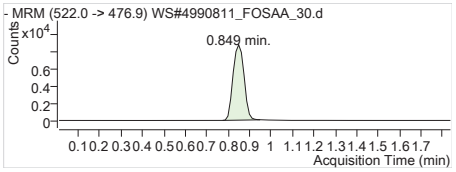


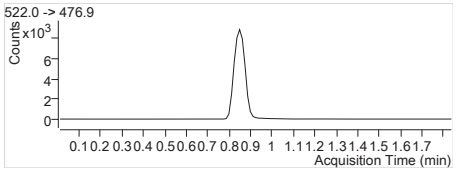
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



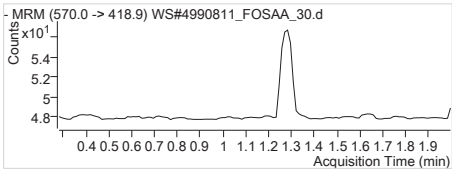


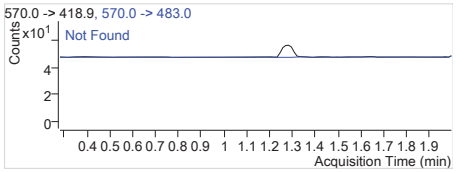
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



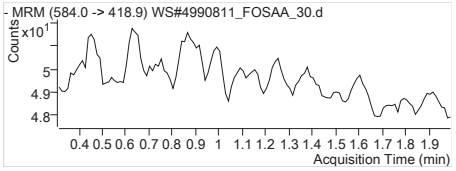


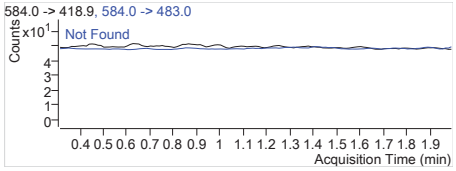
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



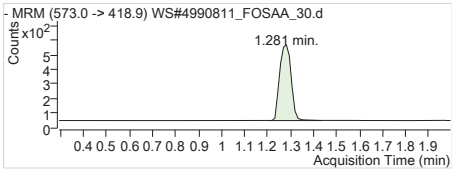


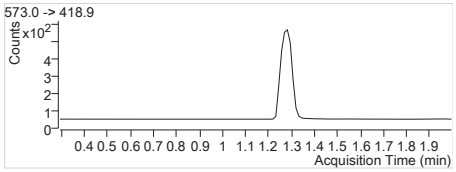
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



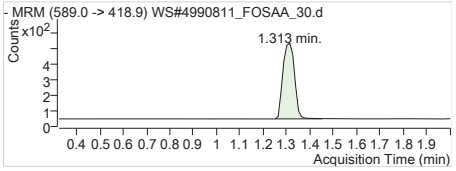


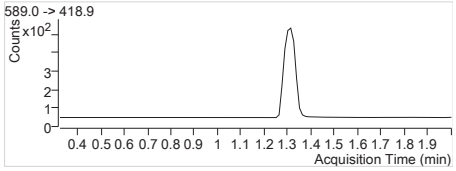
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



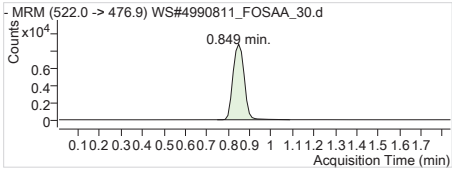


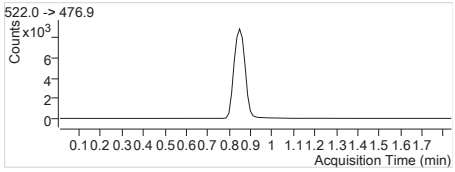
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 106.38 µg/Kg
Area ratio: 0.05751
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 109.76 µg/Kg
Area ratio: 0.05306
Sample type: Sample





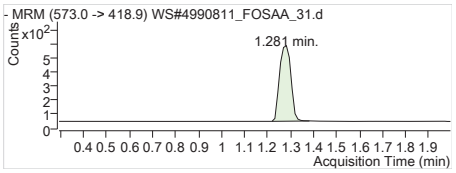
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	1422.23 µg/Kg
Area ratio:	0
Sample type:	Sample

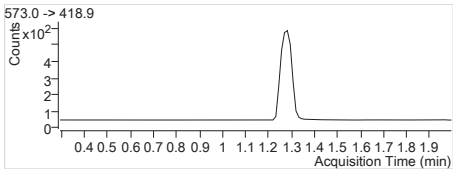
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI407-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_31.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.387
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C7
Acq. Date	2017/05/25 2:23:21 AM	**Injection Volume**	Per Method
Sample Annotation	-		

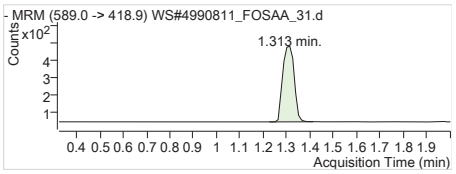
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1846	1.28	1 µg/Kg		
D5-EtFOSAA IS	1489	1.31	1 µg/Kg		
13C9-PFDA IS	33184	0.85	1 µg/Kg		

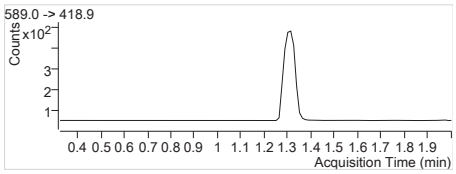
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1859	1.28	-	103.64 µg/Kg	-
D5-EtFOSAA	1486	1.31	-	92.60 µg/Kg	-
13C9-PFDA	33850	0.85	-	149.94 µg/Kg	-



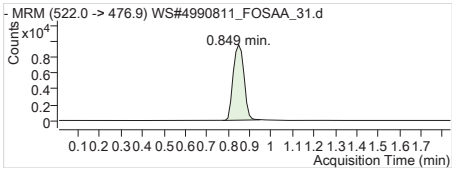


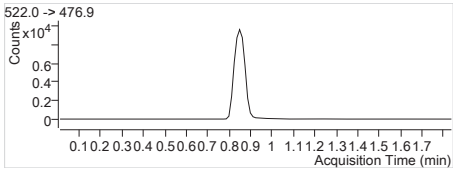
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



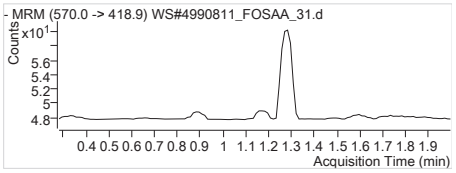


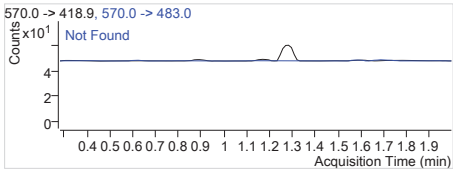
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



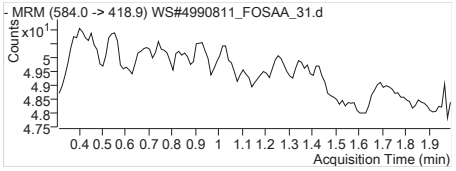


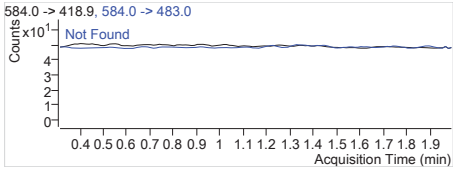
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



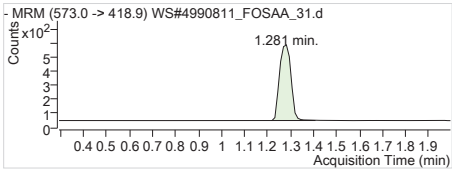


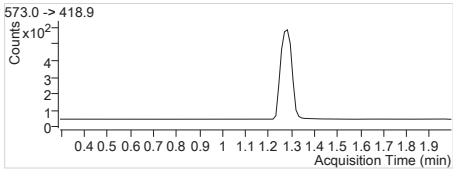
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



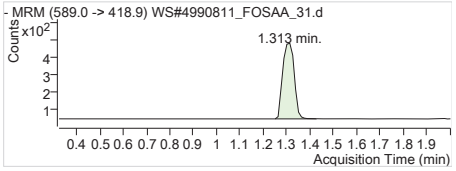


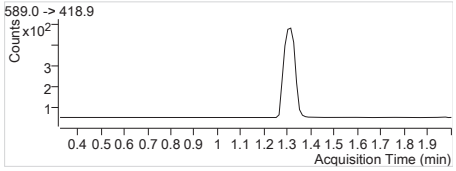
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



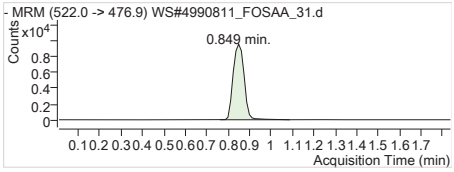


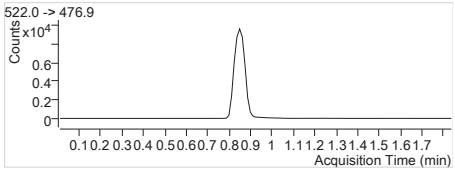
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 103.64 µg/Kg
Area ratio: 0.05602
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 92.60 µg/Kg
Area ratio: 0.04477
Sample type: Sample





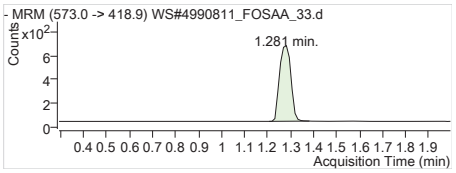
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	149.94 µg/Kg
Area ratio:	0
Sample type:	Sample

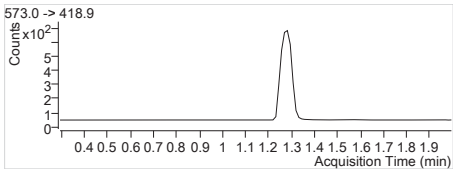
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI413-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_33.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.086
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C8
Acq. Date	2017/05/25 2:28:08 AM	**Injection Volume**	Per Method
Sample Annotation	-		

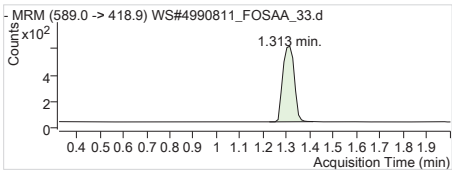
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	2189	1.28	1 µg/Kg		
D5-EtFOSAA IS	1947	1.31	1 µg/Kg		
13C9-PFDA IS	32300	0.85	1 µg/Kg		

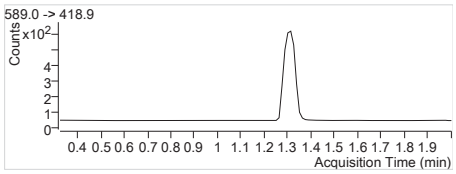
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	2206	1.28	-	126.32 µg/Kg	-
D5-EtFOSAA	1960	1.31	-	125.51 µg/Kg	-
13C9-PFDA	33028	0.85	-	114.55 µg/Kg	-



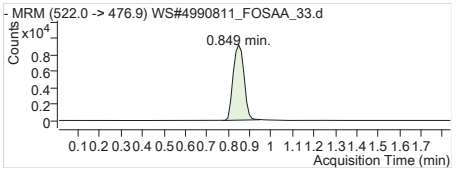


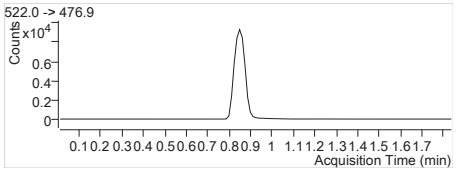
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



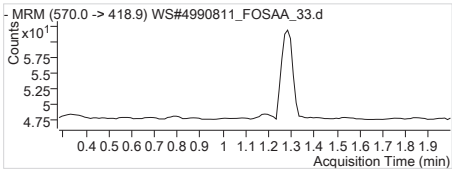


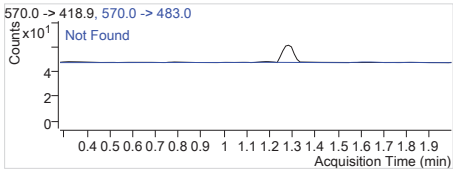
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



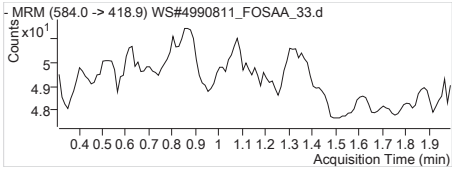


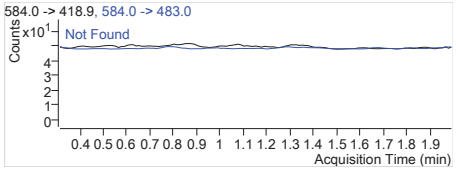
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



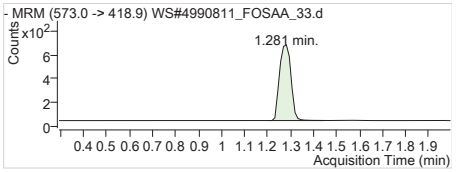


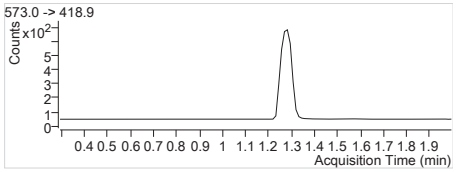
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



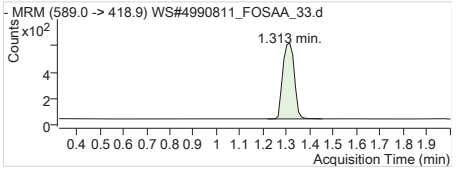


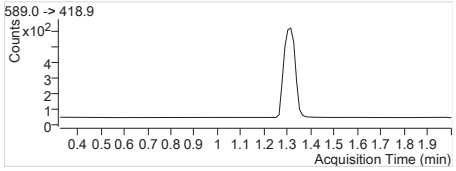
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



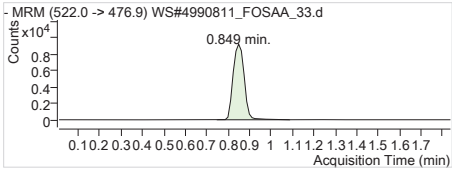


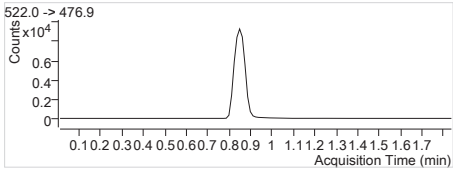
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 126.32 µg/Kg
Area ratio: 0.06829
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 125.51 µg/Kg
Area ratio: 0.06068
Sample type: Sample





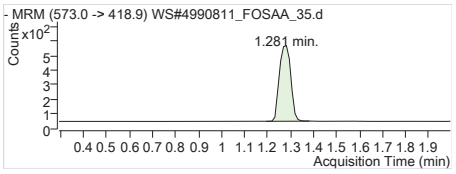
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	114.55 µg/Kg
Area ratio:	0
Sample type:	Sample

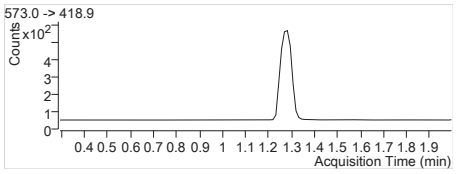
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI416-01:100x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_35.d	**Operator**	AD
Sample Type	Sample	**Dilution**	127.065
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C9
Acq. Date	2017/05/25 2:32:53 AM	**Injection Volume**	Per Method
Sample Annotation	Not used		

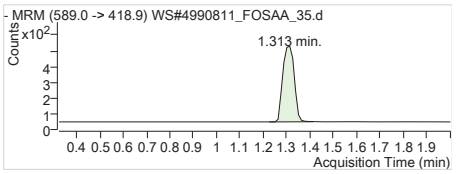
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1806	1.28	1 µg/Kg		
D5-EtFOSAA IS	1650	1.31	1 µg/Kg		
13C9-PFDA IS	28342	0.85	1 µg/Kg		

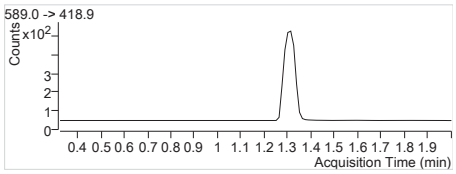
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1820	1.28	-	118.79 µg/Kg	-
D5-EtFOSAA	1653	1.31	-	120.65 µg/Kg	-
13C9-PFDA	28960	0.85	-	11751.51 µg/Kg	-



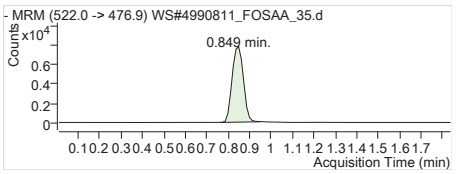


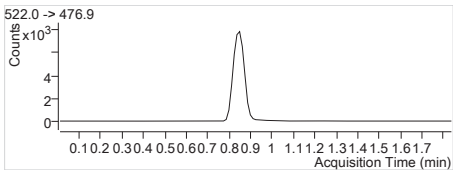
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



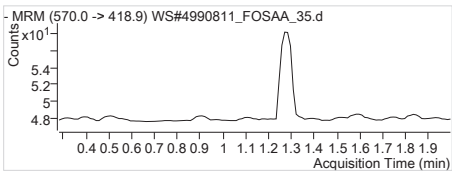


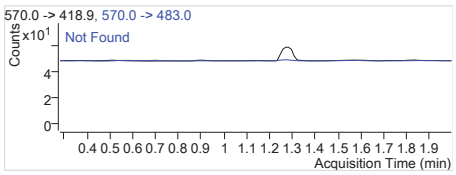
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



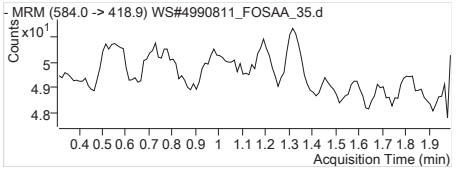


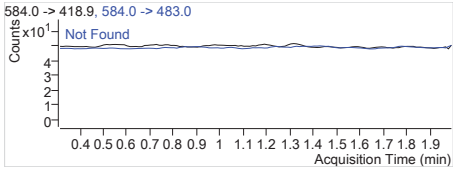
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



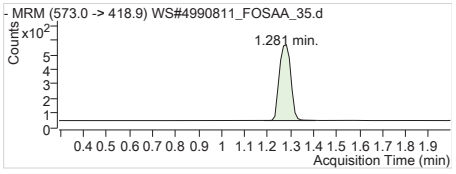


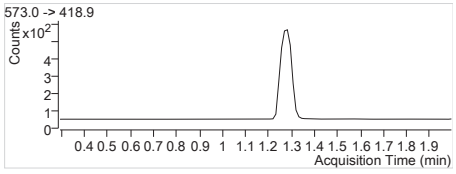
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



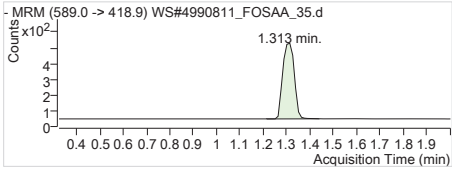


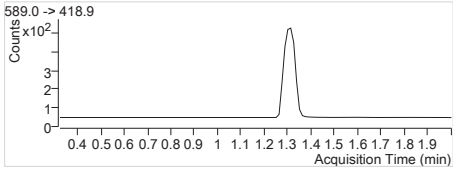
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



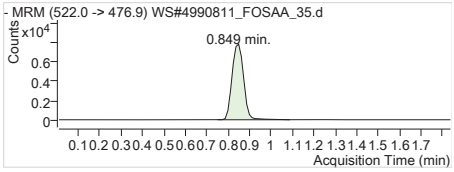


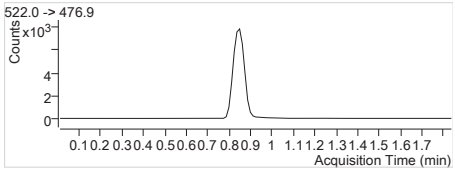
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 118.79 µg/Kg
Area ratio: 0.06422
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 120.65 µg/Kg
Area ratio: 0.05832
Sample type: Sample





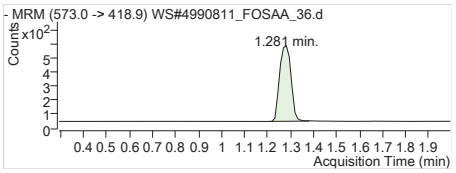
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	11751.51 µg/Kg
Area ratio:	0
Sample type:	Sample

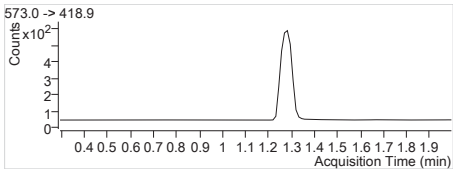
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI416-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_36.d	**Operator**	AD
Sample Type	Sample	**Dilution**	12.706
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D1
Acq. Date	2017/05/25 2:35:18 AM	**Injection Volume**	Per Method
Sample Annotation	-		

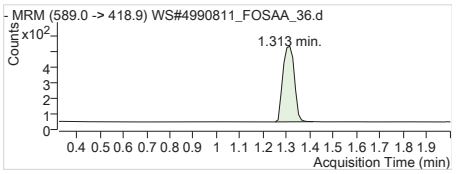
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1861	1.28	1 µg/Kg		
D5-EtFOSAA IS	1654	1.31	1 µg/Kg		
13C9-PFDA IS	27856	0.85	1 µg/Kg		

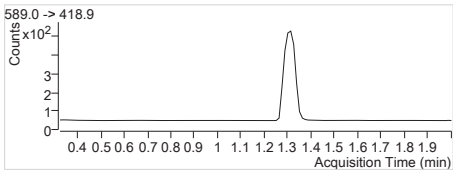
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1879	1.28	-	124.79 µg/Kg	-
D5-EtFOSAA	1655	1.31	-	122.94 µg/Kg	-
13C9-PFDA	28471	0.85	-	1155.29 µg/Kg	-



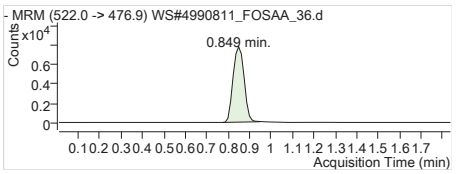


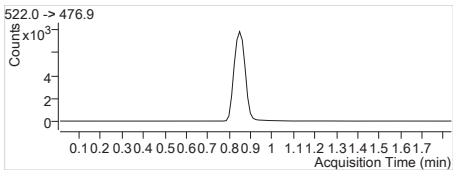
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



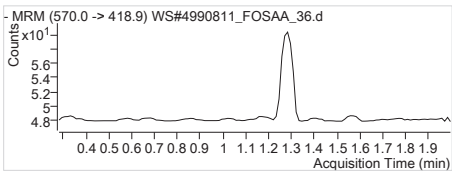


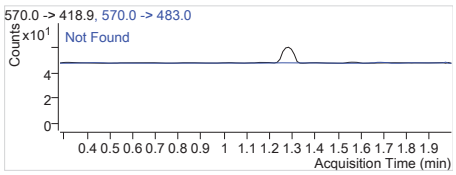
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



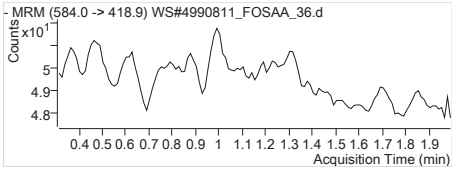


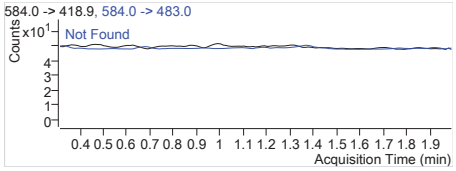
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



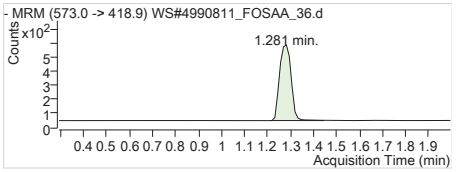


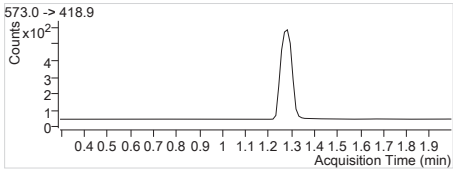
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



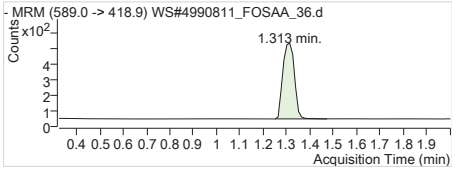


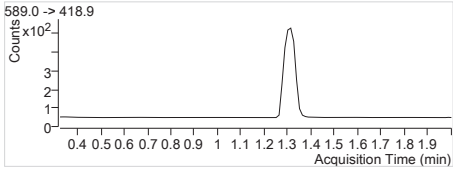
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



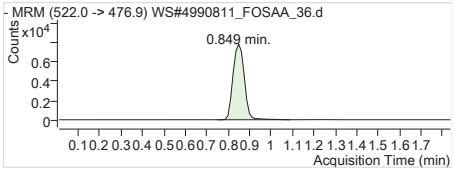


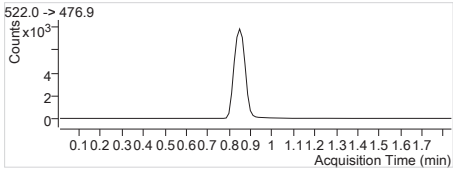
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 124.79 µg/Kg
Area ratio: 0.06746
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 122.94 µg/Kg
Area ratio: 0.05943
Sample type: Sample





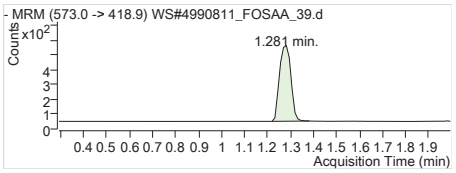
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	1155.29 µg/Kg
Area ratio:	0
Sample type:	Sample

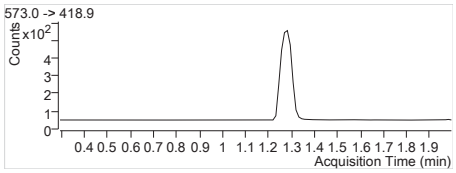
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI417-01:100x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_39.d	**Operator**	AD
Sample Type	Sample	**Dilution**	148.92
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D2
Acq. Date	2017/05/25 2:42:25 AM	**Injection Volume**	Per Method
Sample Annotation	Not used		

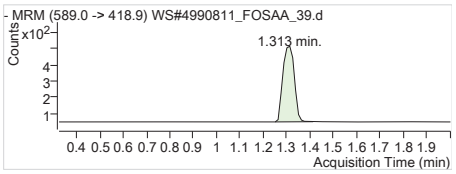
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1771	1.28	1 µg/Kg		
D5-EtFOSAA IS	1600	1.31	1 µg/Kg		
13C9-PFDA IS	29070	0.85	1 µg/Kg		

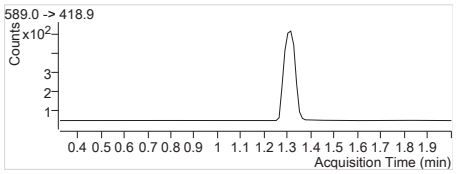
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1786	1.28	-	113.64 µg/Kg	-
D5-EtFOSAA	1603	1.31	-	114.04 µg/Kg	-
13C9-PFDA	29639	0.85	-	14095.82 µg/Kg	-



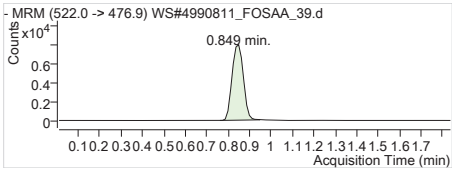


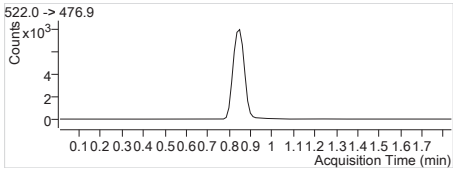
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



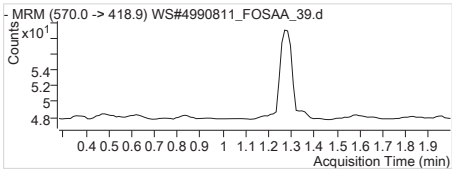


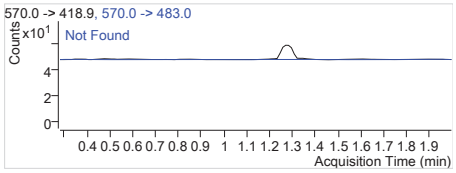
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



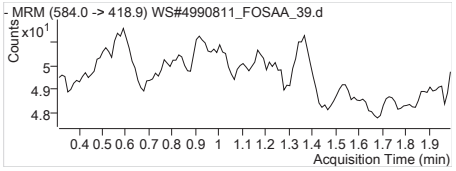


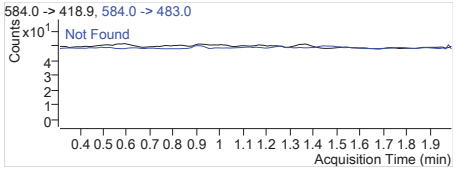
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



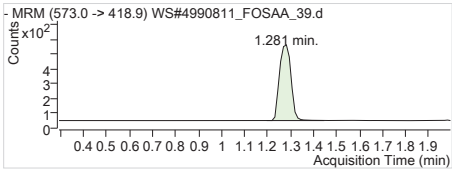


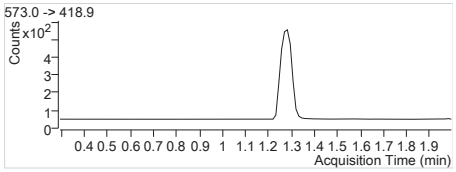
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



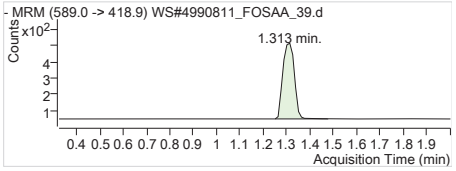


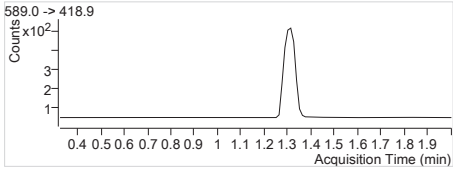
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



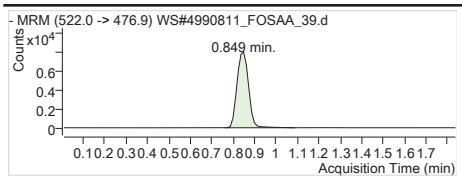


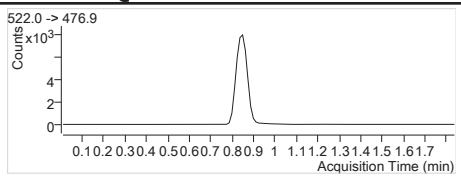
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 113.64 µg/Kg
Area ratio: 0.06143
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 114.04 µg/Kg
Area ratio: 0.05513
Sample type: Sample





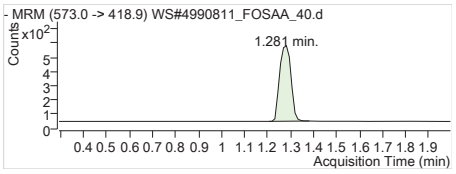
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	14095.82 µg/Kg
Area ratio:	0
Sample type:	Sample

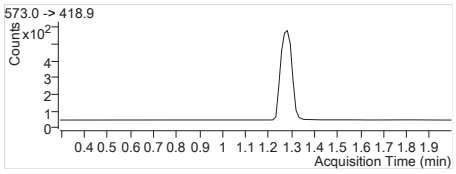
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI417-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_40.d	**Operator**	AD
Sample Type	Sample	**Dilution**	14.892
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D3
Acq. Date	2017/05/25 2:44:48 AM	**Injection Volume**	Per Method
Sample Annotation	-		

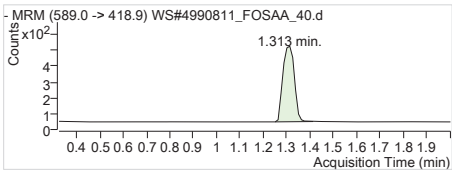
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1834	1.28	1 µg/Kg		
D5-EtFOSAA IS	1634	1.31	1 µg/Kg		
13C9-PFDA IS	30193	0.85	1 µg/Kg		

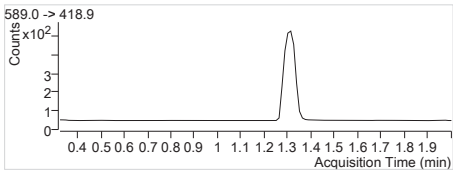
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	109	1.27	-	0.95 µg/Kg	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1847	1.28	-	113.17 µg/Kg	-
D5-EtFOSAA	1642	1.31	-	112.47 µg/Kg	-
13C9-PFDA	30845	0.85	-	1466.96 µg/Kg	-



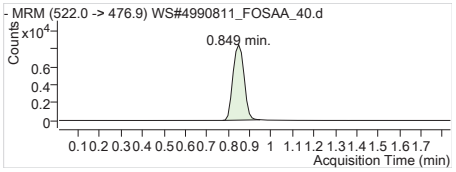


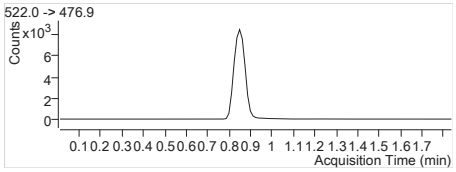
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



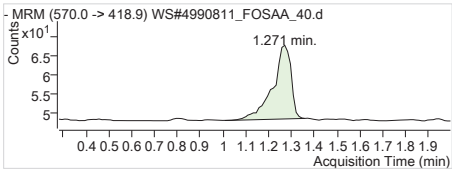


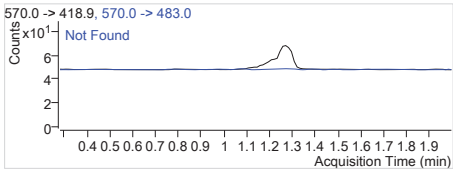
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



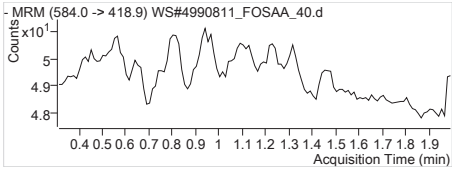


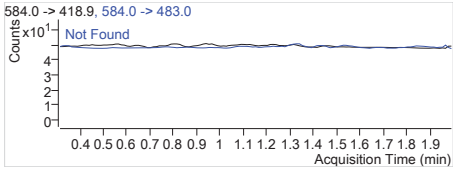
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



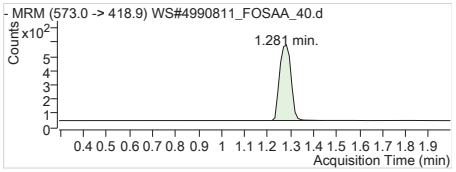


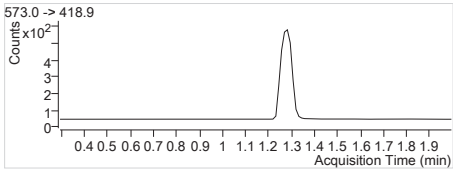
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 0.95 µg/Kg
Area ratio: 0.05943
Sample type: Sample



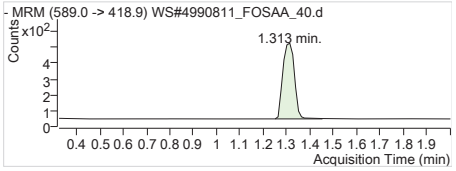


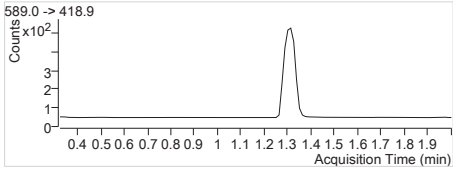
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



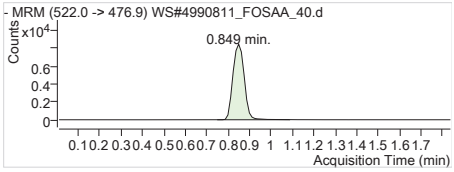


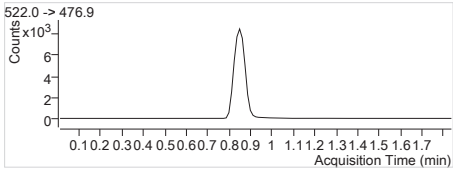
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 113.17 µg/Kg
Area ratio: 0.06118
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 112.47 µg/Kg
Area ratio: 0.05437
Sample type: Sample





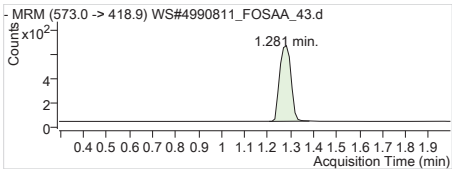
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	1466.96 µg/Kg
Area ratio:	0
Sample type:	Sample

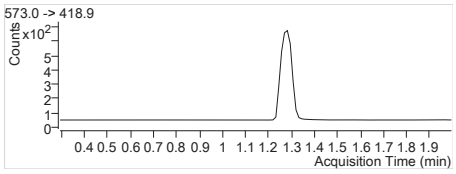
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI418-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_43.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.034
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D4
Acq. Date	2017/05/25 2:51:59 AM	**Injection Volume**	Per Method
Sample Annotation	-		

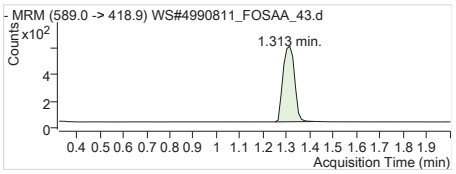
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	2152	1.28	1 µg/Kg		
D5-EtFOSAA IS	1923	1.31	1 µg/Kg		
13C9-PFDA IS	35143	0.85	1 µg/Kg		

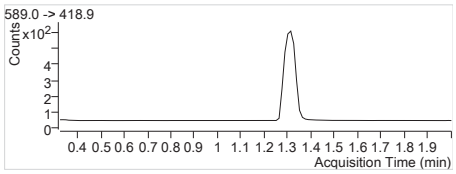
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	77	1.27	-	0.00 µg/Kg	-
EtFOSAA 1	150	1.30	-	0.18 µg/Kg	-
D3-MeFOSAA	2167	1.28	-	114.09 µg/Kg	-
D5-EtFOSAA	1939	1.31	-	114.12 µg/Kg	-
13C9-PFDA	35779	0.85	-	118.15 µg/Kg	-



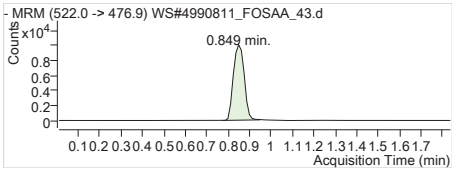


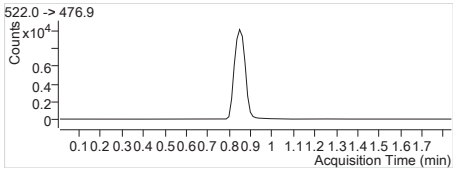
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



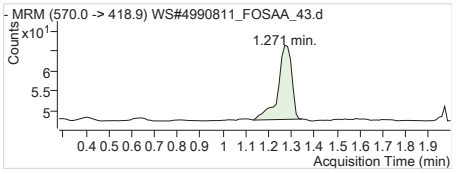


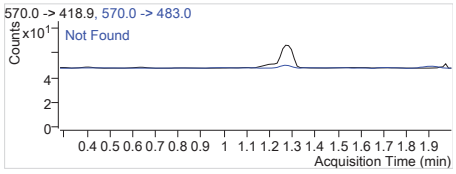
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



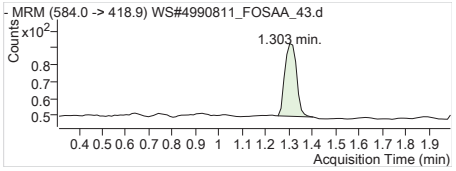


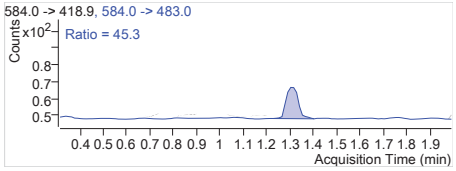
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



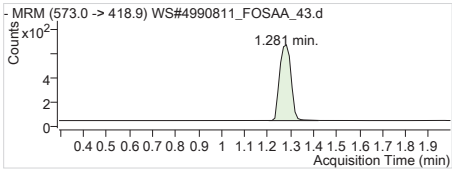


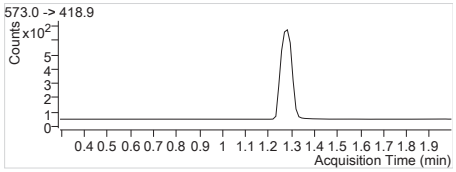
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 0.00 µg/Kg
Area ratio: 0.03578
Sample type: Sample



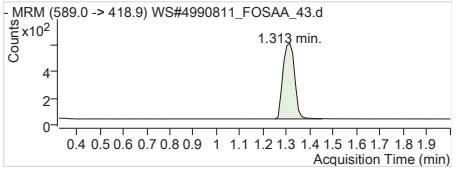


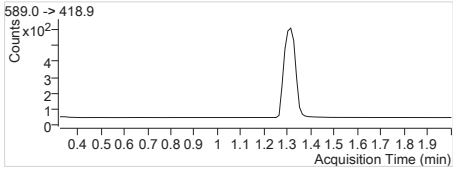
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 0.18 µg/Kg
Area ratio: 0.07800
Sample type: Sample



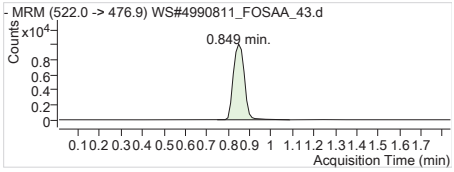


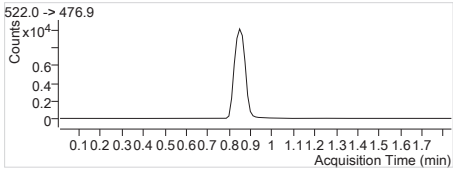
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 114.09 µg/Kg
Area ratio: 0.06167
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 114.12 µg/Kg
Area ratio: 0.05517
Sample type: Sample





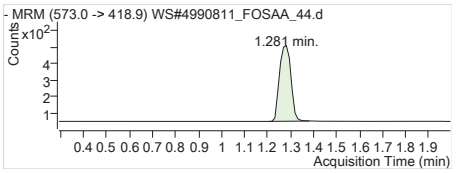
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	118.15 µg/Kg
Area ratio:	0
Sample type:	Sample

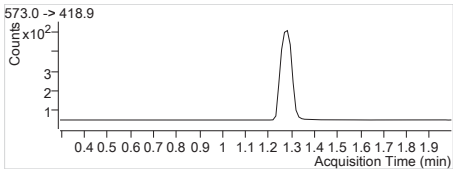
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI421-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_44.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.277
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D5
Acq. Date	2017/05/25 2:54:22 AM	**Injection Volume**	Per Method
Sample Annotation	-		

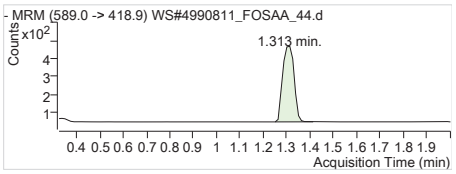
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1595	1.28	1 µg/Kg		
D5-EtFOSAA IS	1440	1.31	1 µg/Kg		
13C9-PFDA IS	29656	0.85	1 µg/Kg		

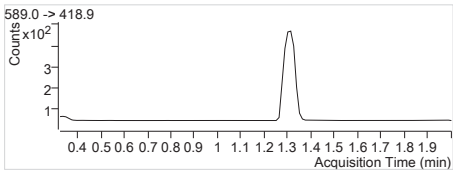
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1606	1.28	-	100.18 µg/Kg	-
D5-EtFOSAA	1436	1.31	-	100.13 µg/Kg	-
13C9-PFDA	30208	0.85	-	123.19 µg/Kg	-



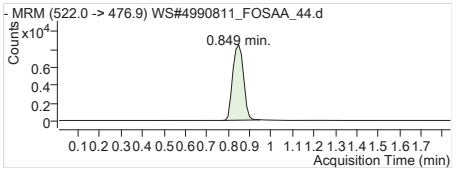


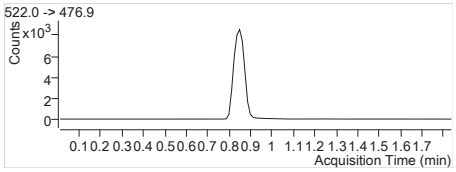
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



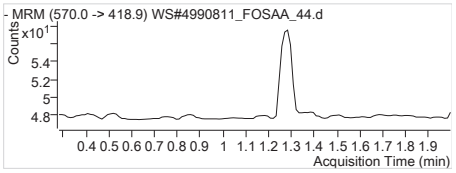


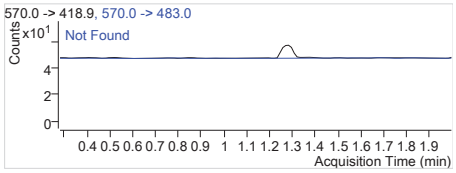
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



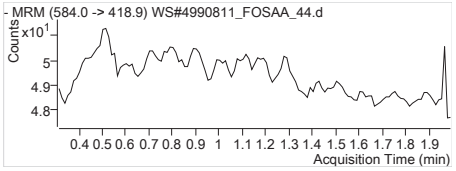


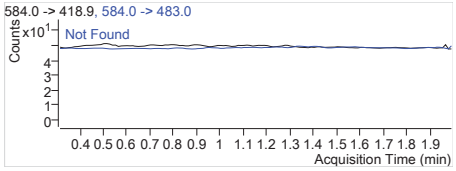
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



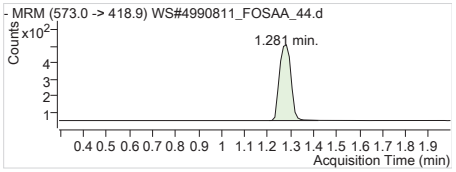


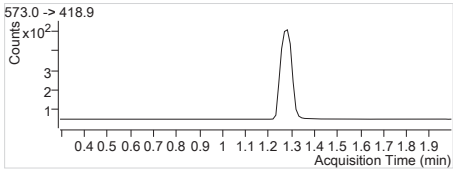
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



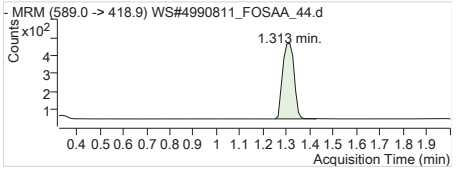


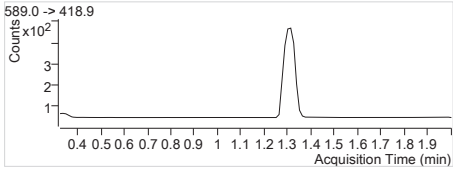
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



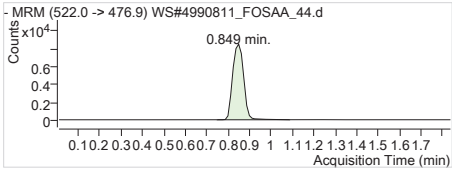


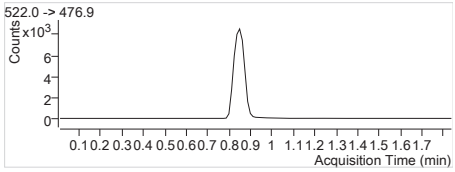
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 100.18 µg/Kg
Area ratio: 0.05415
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 100.13 µg/Kg
Area ratio: 0.04841
Sample type: Sample





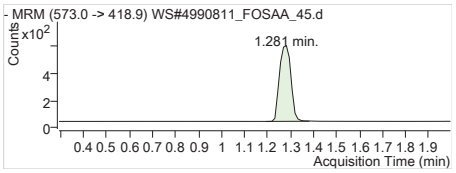
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	123.19 µg/Kg
Area ratio:	0
Sample type:	Sample

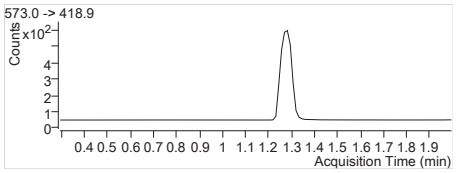
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI423-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_45.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.424
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D6
Acq. Date	2017/05/25 2:56:45 AM	**Injection Volume**	Per Method
Sample Annotation	-		

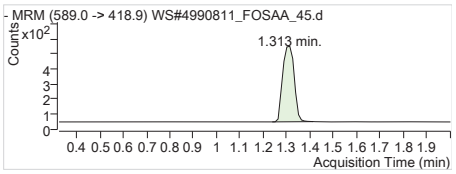
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1908	1.28	1 µg/Kg		
D5-EtFOSAA IS	1741	1.31	1 µg/Kg		
13C9-PFDA IS	31487	0.85	1 µg/Kg		

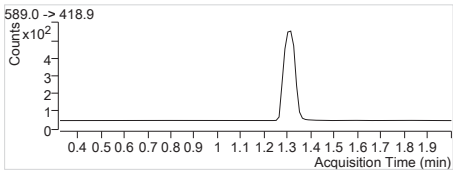
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1913	1.28	-	112.38 µg/Kg	-
D5-EtFOSAA	1750	1.31	-	114.94 µg/Kg	-
13C9-PFDA	32113	0.85	-	146.04 µg/Kg	-



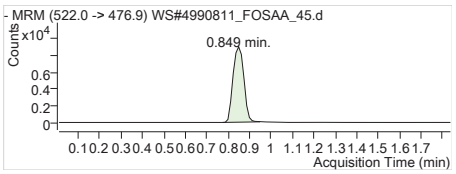


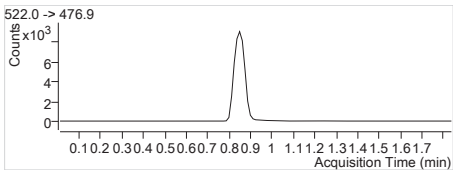
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



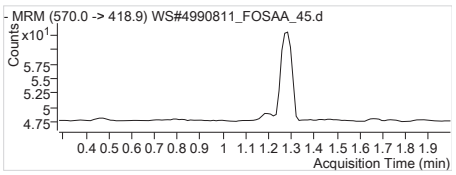


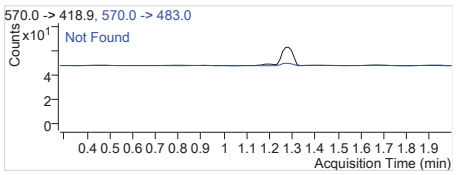
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



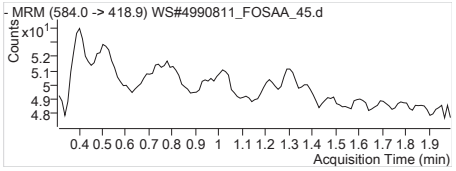


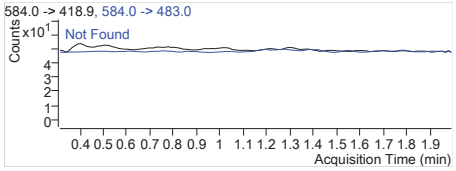
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



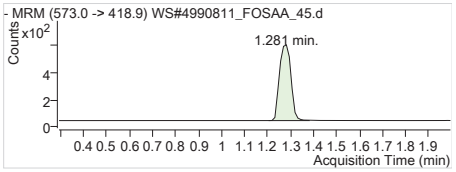


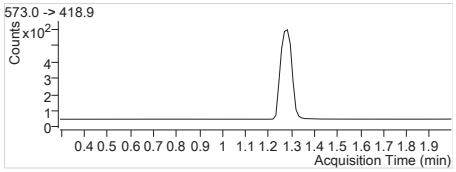
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



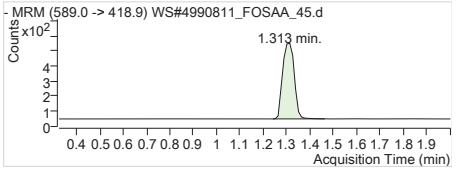


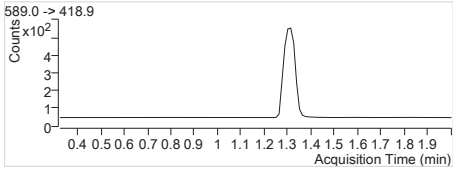
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



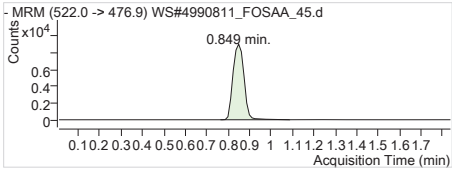


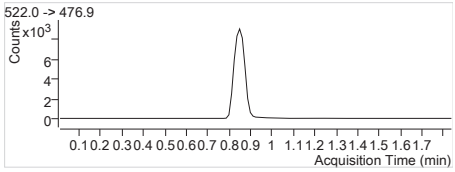
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 112.38 µg/Kg
Area ratio: 0.06075
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 114.94 µg/Kg
Area ratio: 0.05556
Sample type: Sample





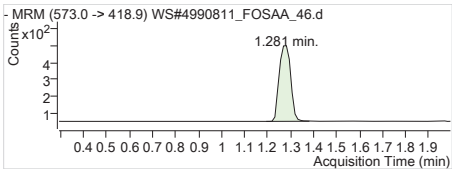
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	146.04 µg/Kg
Area ratio:	0
Sample type:	Sample

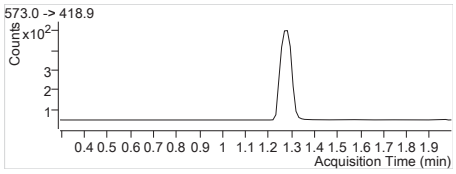
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI424-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_46.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.496
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D7
Acq. Date	2017/05/25 2:59:08 AM	**Injection Volume**	Per Method
Sample Annotation	-		

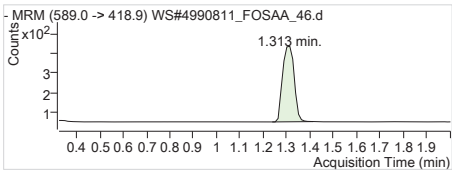
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1583	1.28	1 µg/Kg		
D5-EtFOSAA IS	1358	1.31	1 µg/Kg		
13C9-PFDA IS	30785	0.85	1 µg/Kg		

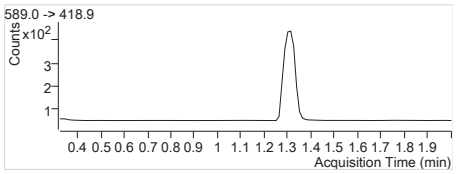
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1584	1.28	-	95.18 µg/Kg	-
D5-EtFOSAA	1358	1.31	-	91.26 µg/Kg	-
13C9-PFDA	31363	0.85	-	149.84 µg/Kg	-



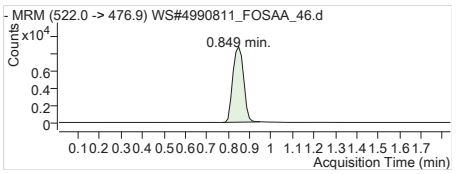


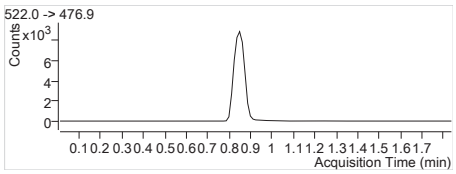
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



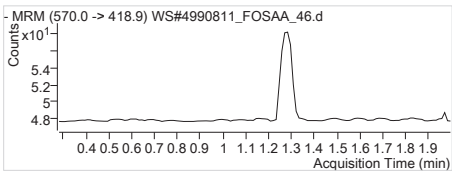


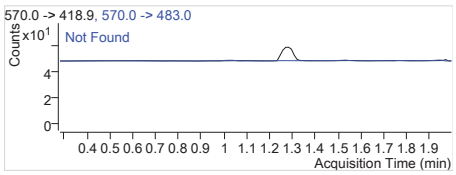
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



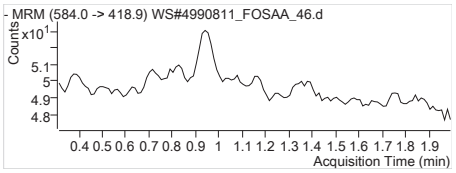


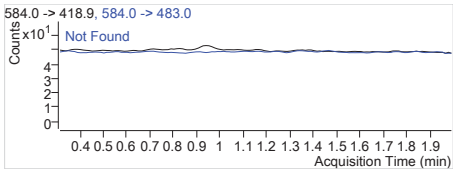
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



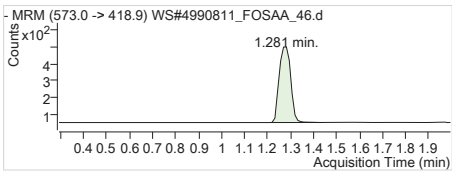


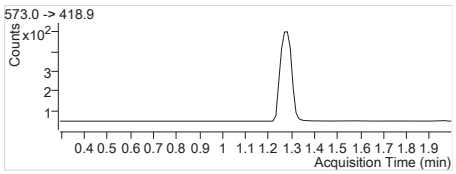
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



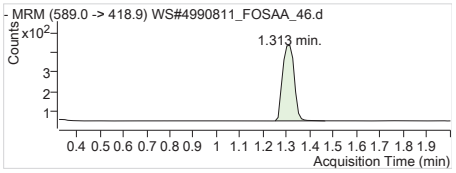


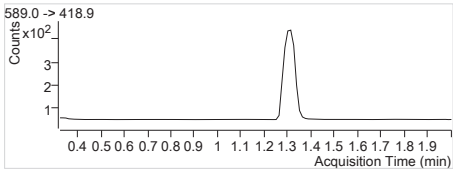
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



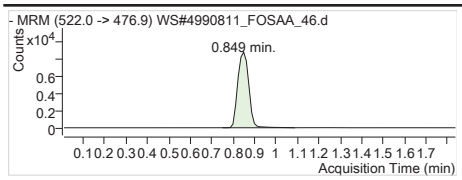


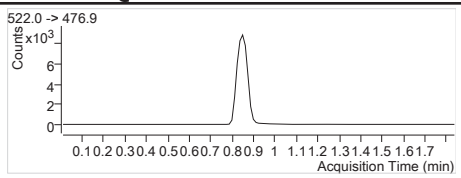
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 95.18 µg/Kg
Area ratio: 0.05145
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 91.26 µg/Kg
Area ratio: 0.04412
Sample type: Sample





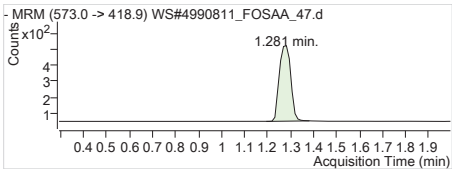
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	149.84 µg/Kg
Area ratio:	0
Sample type:	Sample

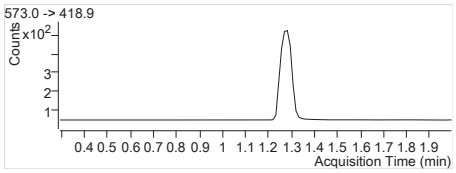
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI425-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_47.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.387
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D8
Acq. Date	2017/05/25 3:01:31 AM	**Injection Volume**	Per Method
Sample Annotation	-		

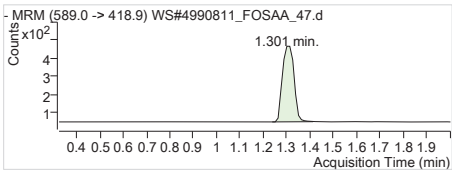
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1653	1.28	1 µg/Kg		
D5-EtFOSAA IS	1456	1.30	1 µg/Kg		
13C9-PFDA IS	34118	0.85	1 µg/Kg		

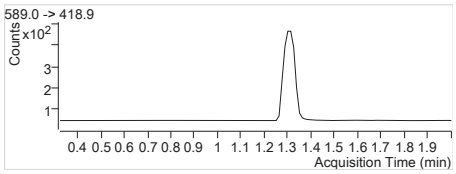
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1672	1.28	-	90.66 µg/Kg	-
D5-EtFOSAA	1457	1.30	-	88.35 µg/Kg	-
13C9-PFDA	34739	0.85	-	153.88 µg/Kg	-



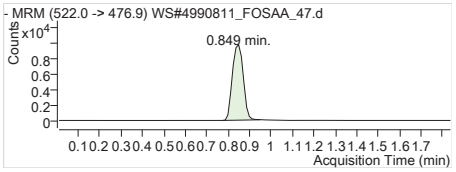


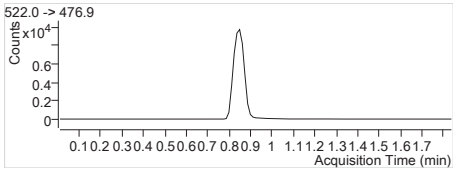
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



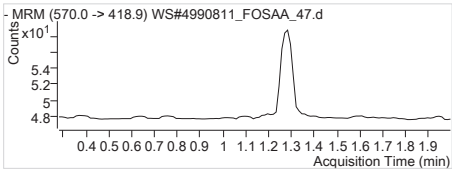


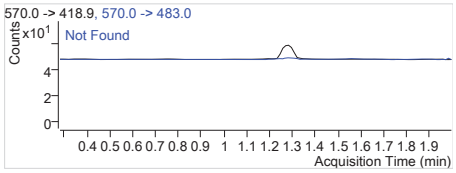
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.301 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



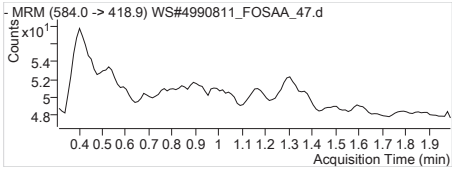


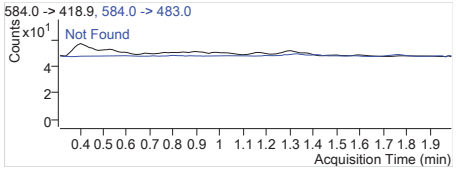
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



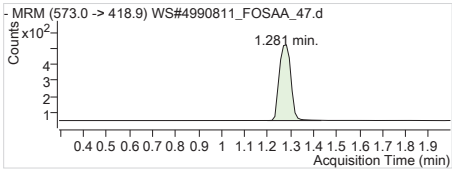


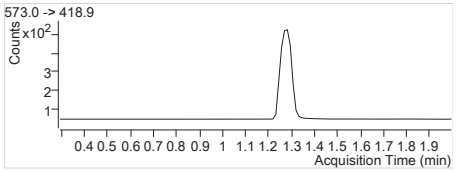
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



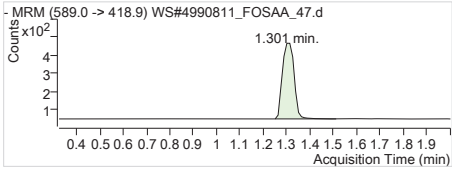


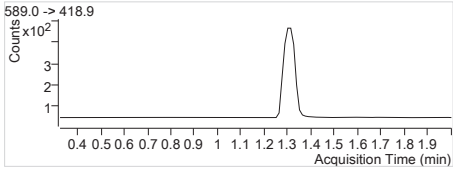
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



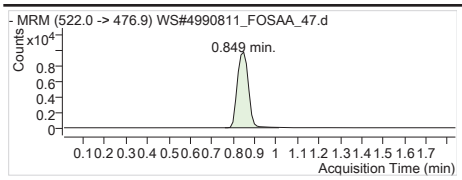


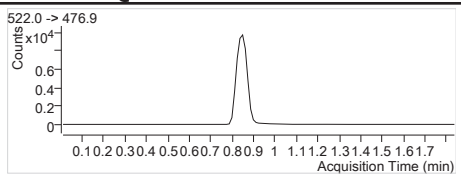
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 90.66 µg/Kg
Area ratio: 0.04901
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.301 (1.313)
Calc. conc. 88.35 µg/Kg
Area ratio: 0.04271
Sample type: Sample





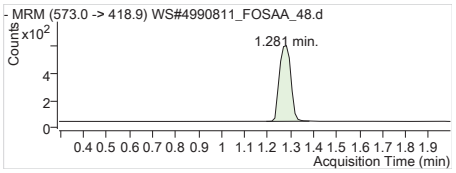
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	153.88 µg/Kg
Area ratio:	0
Sample type:	Sample

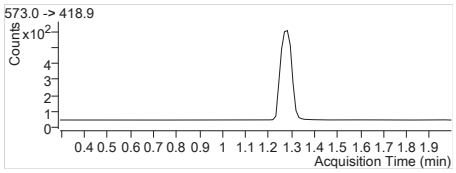
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI428-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_48.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.321
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-D9
Acq. Date	2017/05/25 3:03:55 AM	**Injection Volume**	Per Method
Sample Annotation	-		

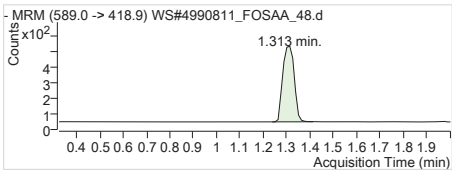
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1932	1.28	1 µg/Kg		
D5-EtFOSAA IS	1681	1.31	1 µg/Kg		
13C9-PFDA IS	30878	0.85	1 µg/Kg		

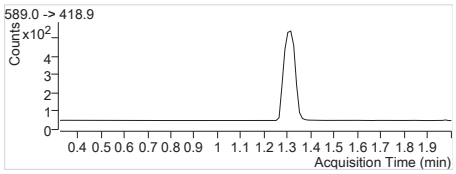
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1944	1.28	-	116.44 µg/Kg	-
D5-EtFOSAA	1684	1.31	-	112.82 µg/Kg	-
13C9-PFDA	31515	0.85	-	132.95 µg/Kg	-



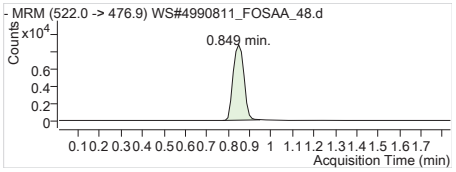


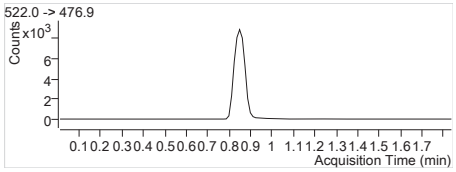
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



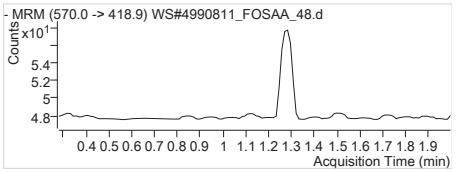


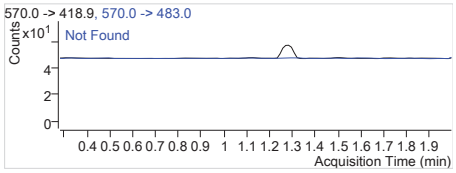
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



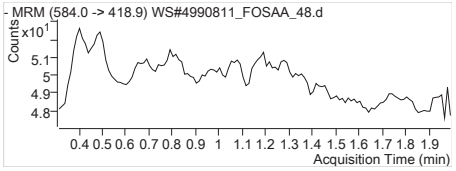


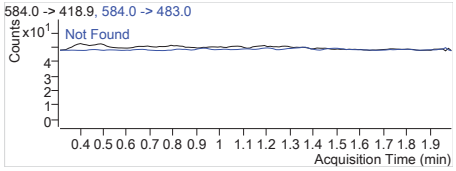
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



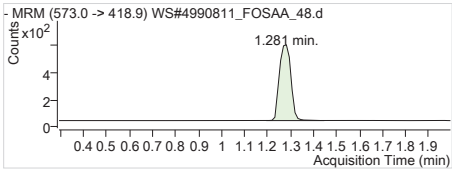


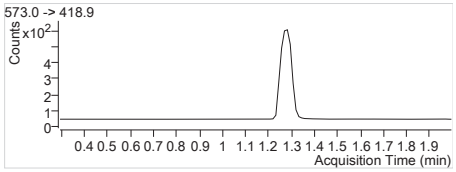
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



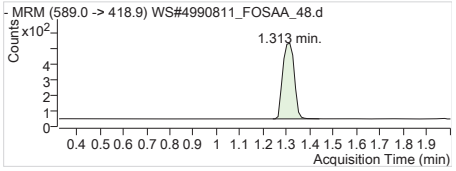


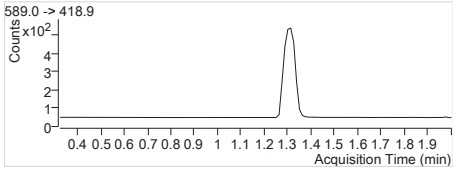
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



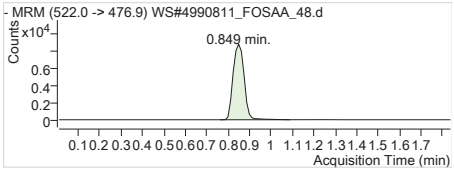


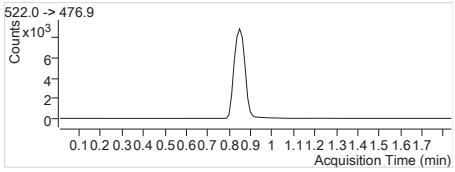
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 116.44 µg/Kg
Area ratio: 0.06295
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 112.82 µg/Kg
Area ratio: 0.05454
Sample type: Sample





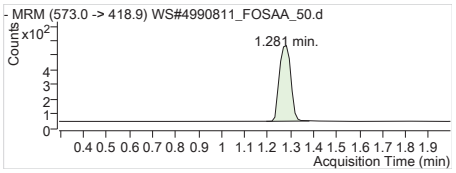
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	132.95 µg/Kg
Area ratio:	0
Sample type:	Sample

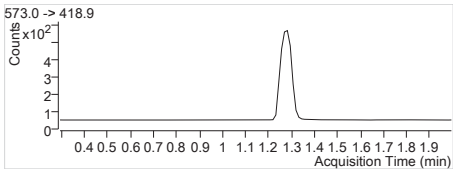
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI429-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_50.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.298
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-E1
Acq. Date	2017/05/25 3:08:41 AM	**Injection Volume**	Per Method
Sample Annotation	-		

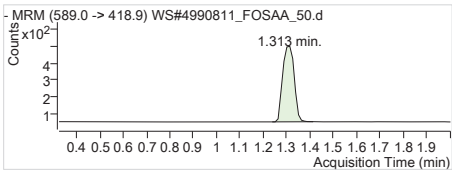
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1797	1.28	1 µg/Kg		
D5-EtFOSAA IS	1560	1.31	1 µg/Kg		
13C9-PFDA IS	32395	0.85	1 µg/Kg		

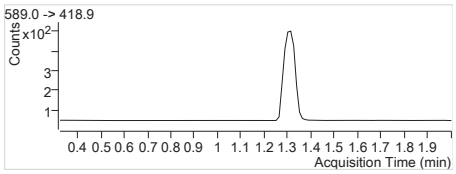
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1818	1.28	-	103.80 µg/Kg	-
D5-EtFOSAA	1565	1.31	-	99.96 µg/Kg	-
13C9-PFDA	33063	0.85	-	137.05 µg/Kg	-



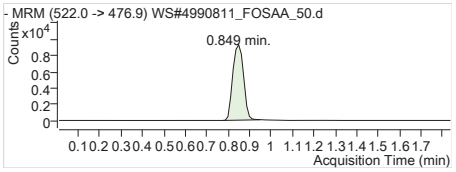


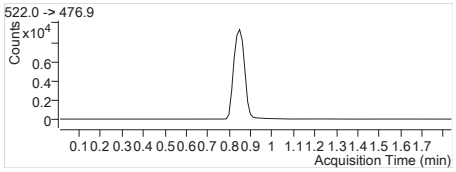
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



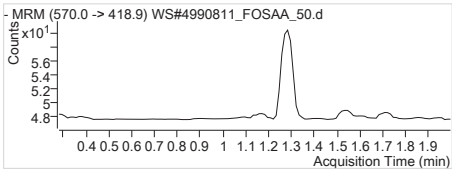


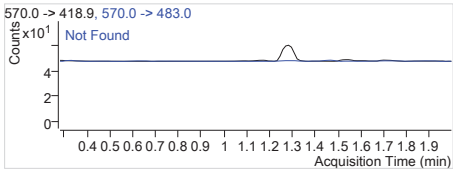
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



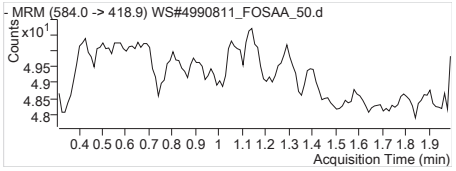


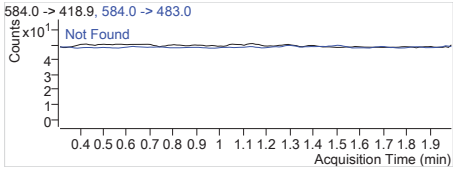
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



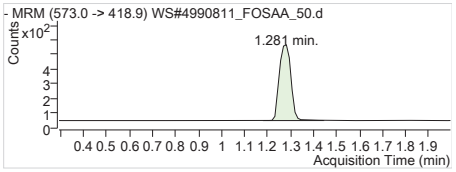


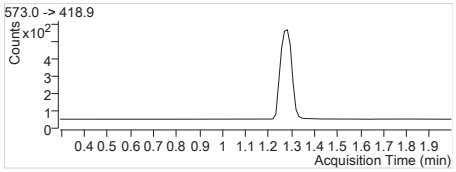
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



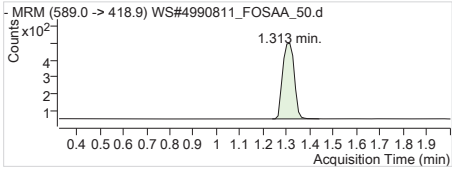


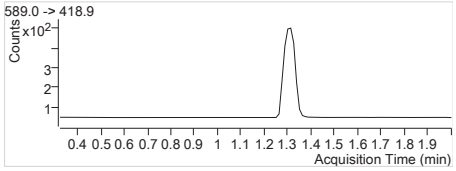
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



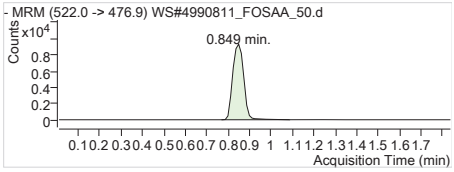


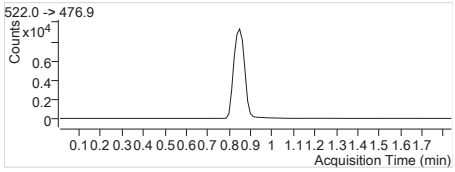
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 103.80 µg/Kg
Area ratio: 0.05611
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 99.96 µg/Kg
Area ratio: 0.04832
Sample type: Sample





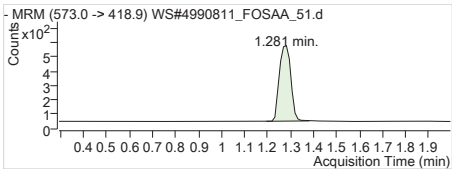
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	137.05 µg/Kg
Area ratio:	0
Sample type:	Sample

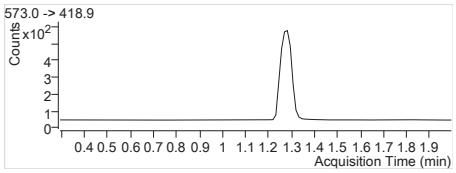
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI431-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_51.d	**Operator**	AD
Sample Type	Sample	**Dilution**	11.373
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-E2
Acq. Date	2017/05/25 3:11:04 AM	**Injection Volume**	Per Method
Sample Annotation	Not used		

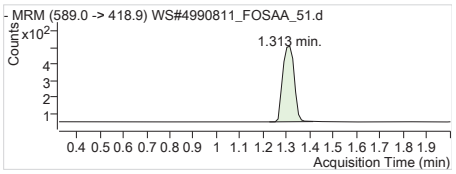
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1835	1.28	1 µg/Kg		
D5-EtFOSAA IS	1579	1.31	1 µg/Kg		
13C9-PFDA IS	30882	0.85	1 µg/Kg		

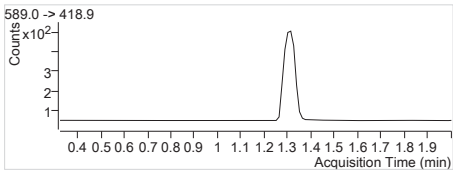
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1854	1.28	-	111.05 µg/Kg	-
D5-EtFOSAA	1592	1.31	-	106.62 µg/Kg	-
13C9-PFDA	31502	0.85	-	1144.16 µg/Kg	-



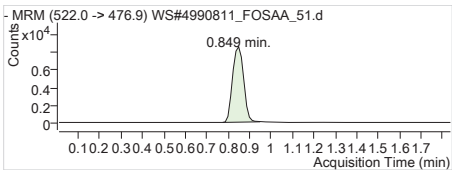


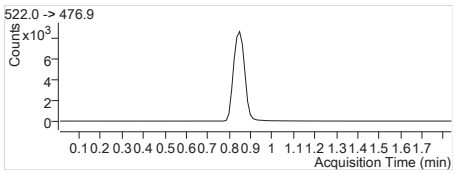
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



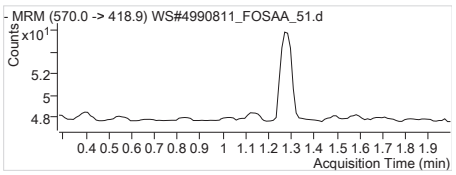


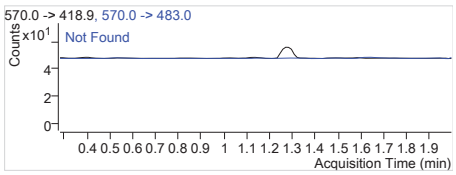
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



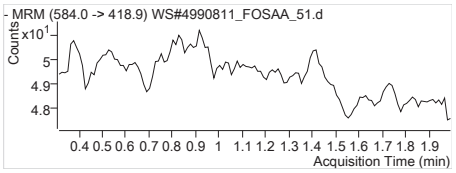


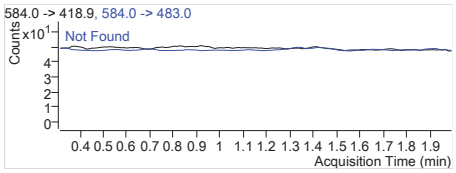
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



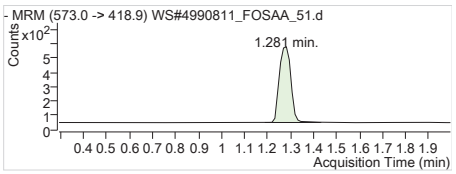


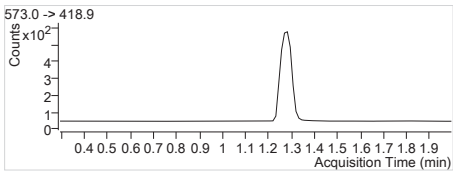
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



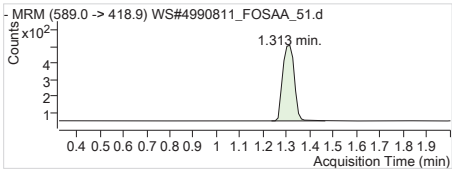


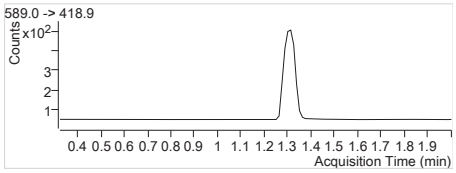
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



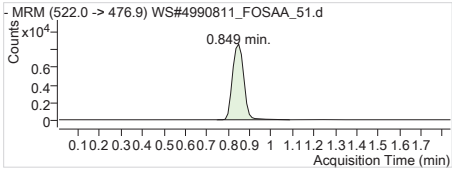


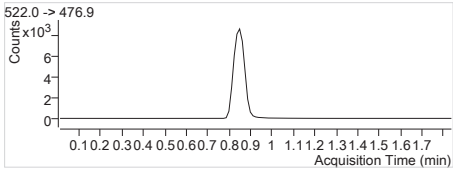
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 111.05 µg/Kg
Area ratio: 0.06003
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 106.62 µg/Kg
Area ratio: 0.05154
Sample type: Sample





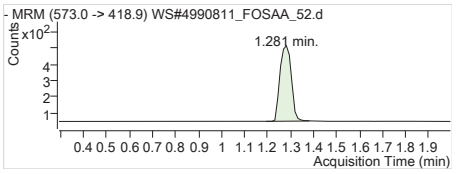
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	1144.16 µg/Kg
Area ratio:	0
Sample type:	Sample

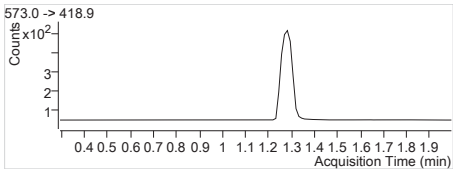
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI431-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_52.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.137
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-E3
Acq. Date	2017/05/25 3:13:27 AM	**Injection Volume**	Per Method
Sample Annotation	-		

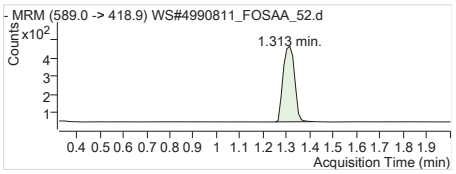
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1607	1.28	1 µg/Kg		
D5-EtFOSAA IS	1427	1.31	1 µg/Kg		
13C9-PFDA IS	29716	0.86	1 µg/Kg		

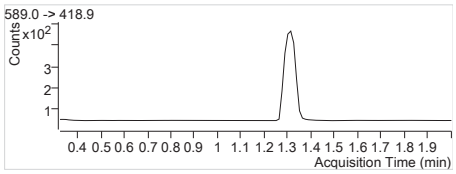
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1620	1.28	-	100.86 µg/Kg	-
D5-EtFOSAA	1430	1.31	-	99.57 µg/Kg	-
13C9-PFDA	30554	0.86	-	110.94 µg/Kg	-



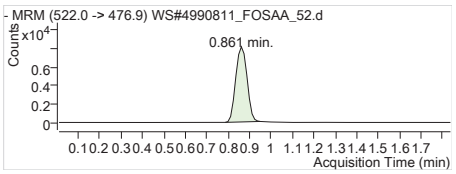


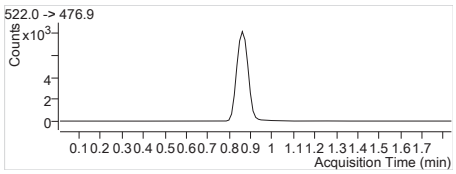
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



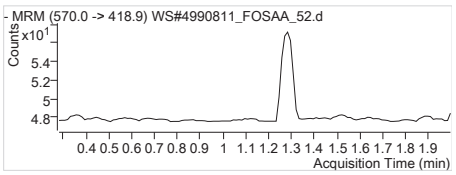


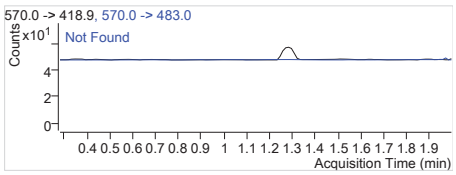
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



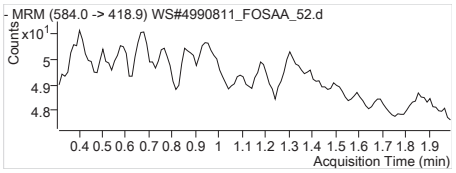


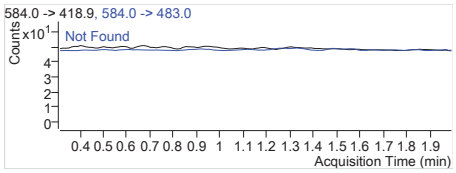
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.861 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



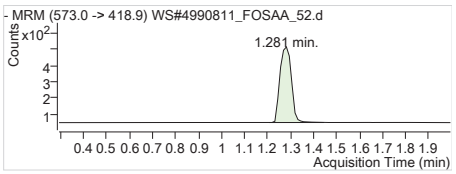


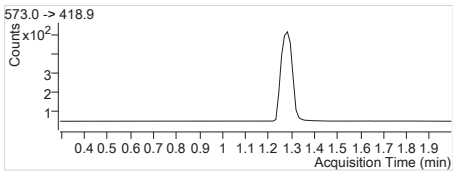
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



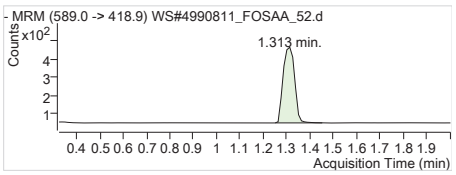


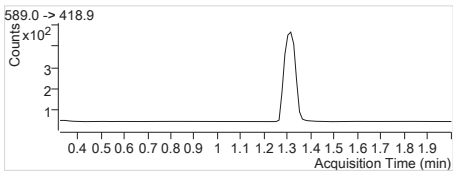
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



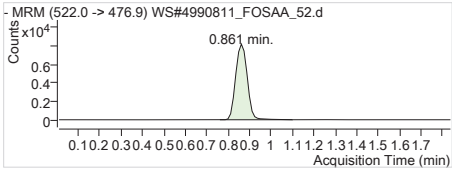


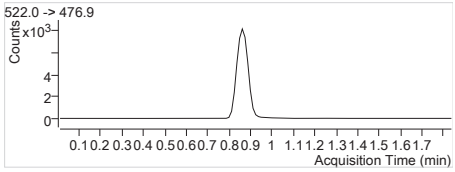
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 100.86 µg/Kg
Area ratio: 0.05452
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 99.57 µg/Kg
Area ratio: 0.04813
Sample type: Sample





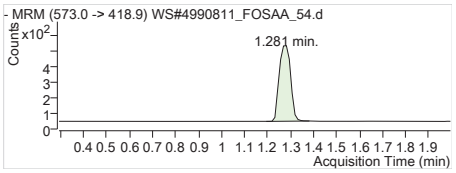
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.861 (0.849)
Calc. conc.	110.94 µg/Kg
Area ratio:	0
Sample type:	Sample

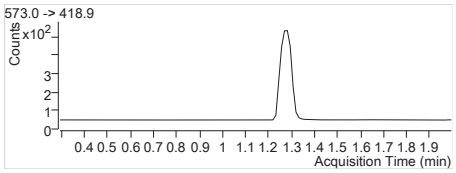
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI433-01**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_54.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.109
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-E4
Acq. Date	2017/05/25 3:18:15 AM	**Injection Volume**	Per Method
Sample Annotation	-		

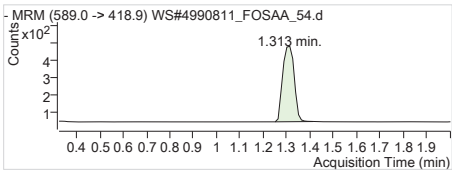
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1686	1.28	1 µg/Kg		
D5-EtFOSAA IS	1504	1.31	1 µg/Kg		
13C9-PFDA IS	31082	0.85	1 µg/Kg		

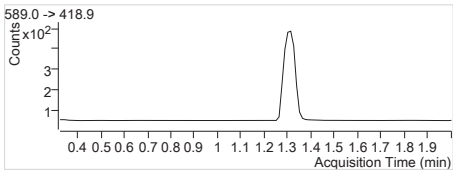
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1697	1.28	-	101.00 µg/Kg	-
D5-EtFOSAA	1516	1.31	-	100.86 µg/Kg	-
13C9-PFDA	31710	0.85	-	112.30 µg/Kg	-



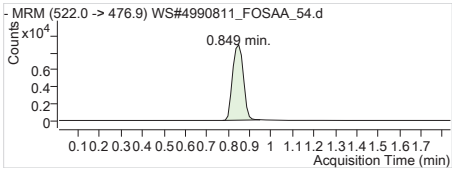


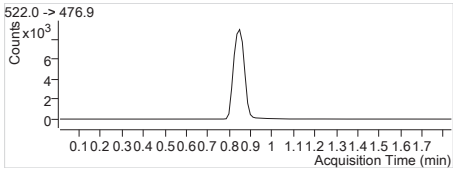
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



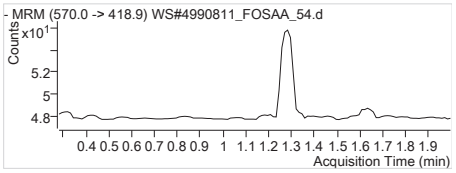


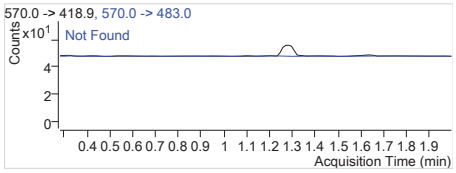
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



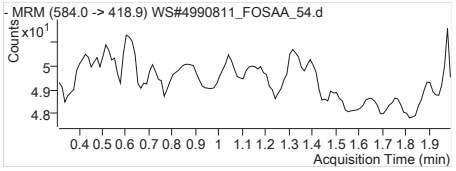


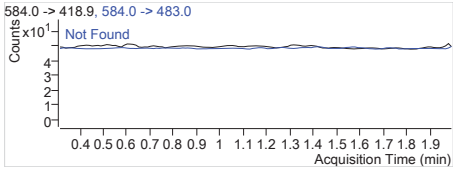
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



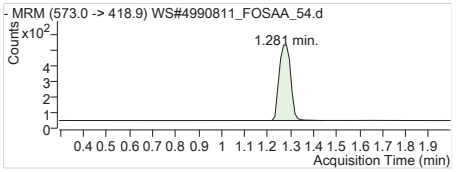


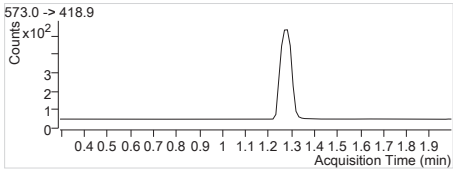
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



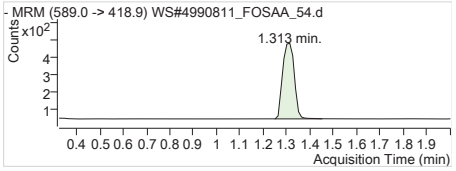


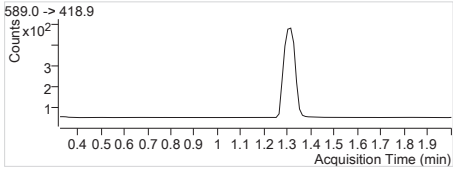
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



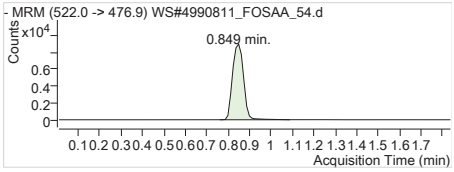


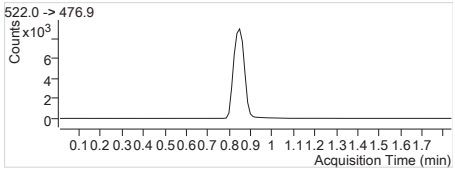
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 101.00 µg/Kg
Area ratio: 0.05460
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 100.86 µg/Kg
Area ratio: 0.04876
Sample type: Sample





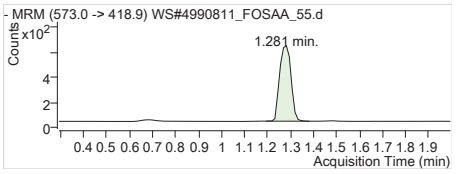
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	112.30 µg/Kg
Area ratio:	0
Sample type:	Sample

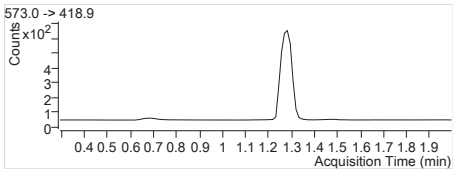
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI401-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_55.d	**Operator**	AD
Sample Type	Sample	**Dilution**	15.723
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B9
Acq. Date	2017/05/25 3:20:39 AM	**Injection Volume**	Per Method
Sample Annotation	-		

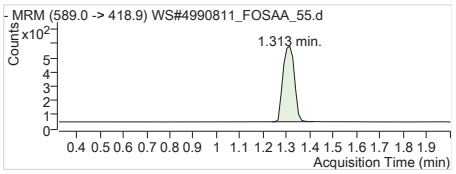
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	2085	1.28	1 µg/Kg		
D5-EtFOSAA IS	1819	1.31	1 µg/Kg		
13C9-PFDA IS	31745	0.85	1 µg/Kg		

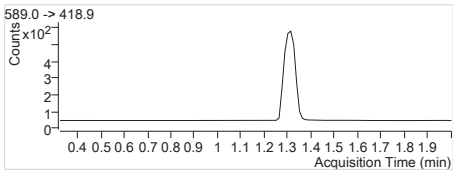
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	209	1.27	-	2.64 µg/Kg	-
EtFOSAA 1	101	1.30	-	1.95 µg/Kg	-
D3-MeFOSAA	2103	1.28	-	122.53 µg/Kg	-
D5-EtFOSAA	1833	1.31	-	119.42 µg/Kg	-
13C9-PFDA	32337	0.85	-	1623.73 µg/Kg	-



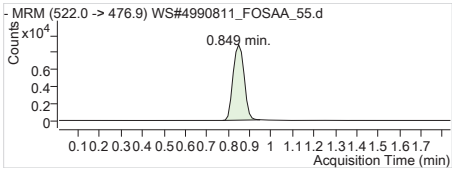


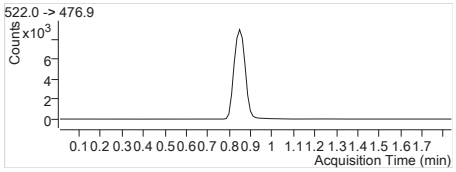
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



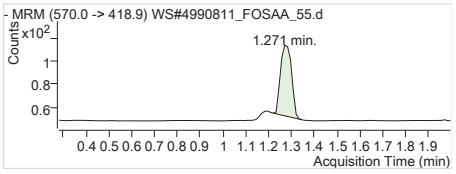


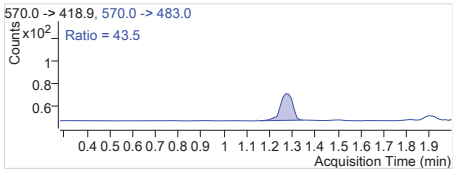
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



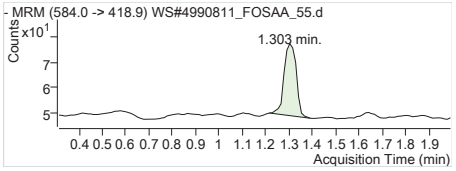


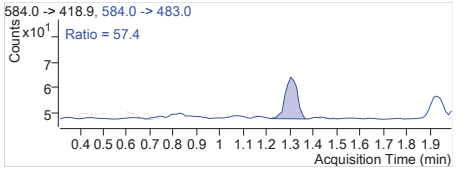
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



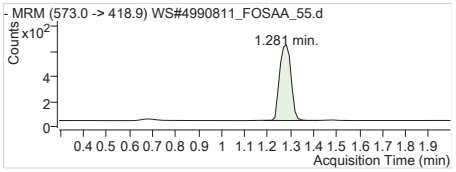


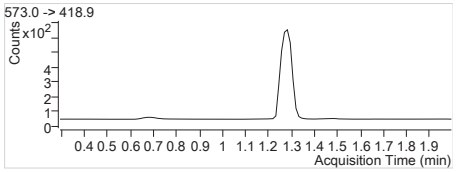
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 2.64 µg/Kg
Area ratio: 0.10024
Sample type: Sample



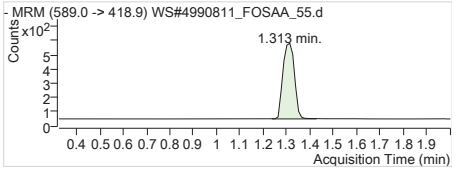


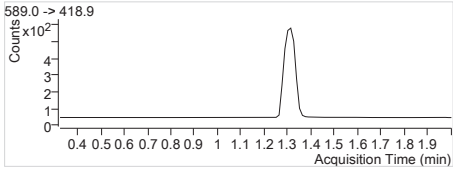
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 1.95 µg/Kg
Area ratio: 0.05553
Sample type: Sample



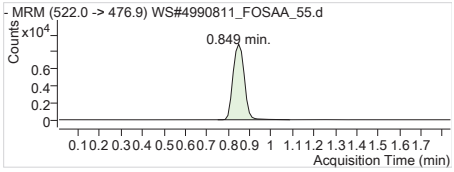


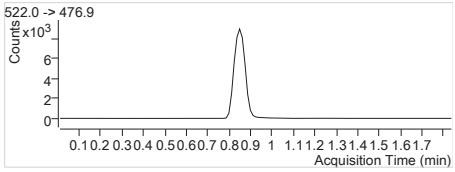
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 122.53 µg/Kg
Area ratio: 0.06624
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 119.42 µg/Kg
Area ratio: 0.05773
Sample type: Sample





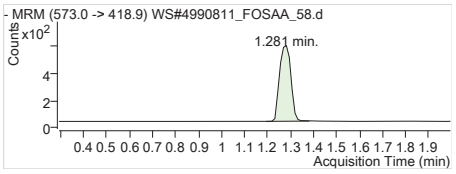
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	1623.73 µg/Kg
Area ratio:	0
Sample type:	Sample

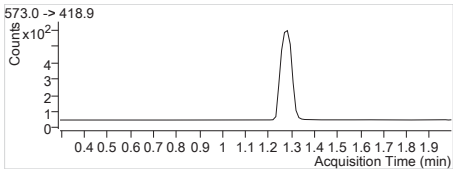
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI402-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_58.d	**Operator**	AD
Sample Type	Sample	**Dilution**	13.119
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C2
Acq. Date	2017/05/25 3:27:49 AM	**Injection Volume**	Per Method
Sample Annotation	-		

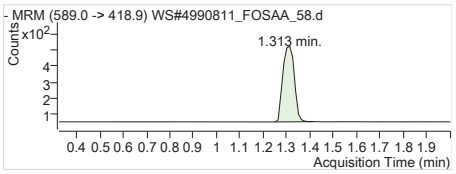
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1888	1.28	1 µg/Kg		
D5-EtFOSAA IS	1638	1.31	1 µg/Kg		
13C9-PFDA IS	28804	0.85	1 µg/Kg		

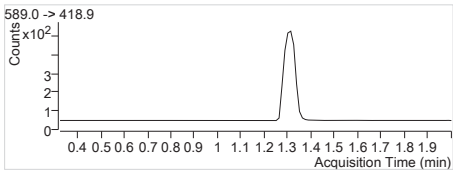
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1899	1.28	-	121.95 µg/Kg	-
D5-EtFOSAA	1641	1.31	-	117.84 µg/Kg	-
13C9-PFDA	29439	0.85	-	1233.40 µg/Kg	-



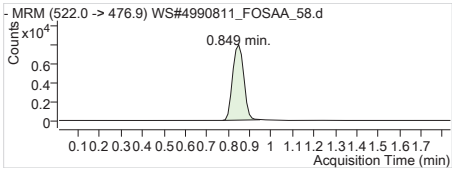


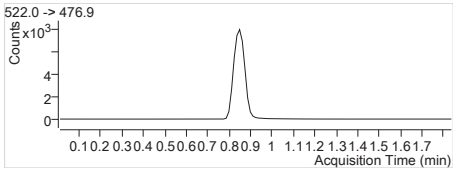
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



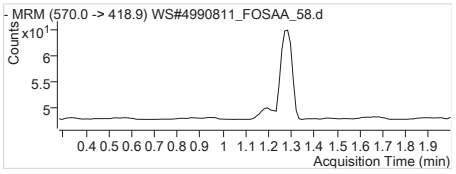


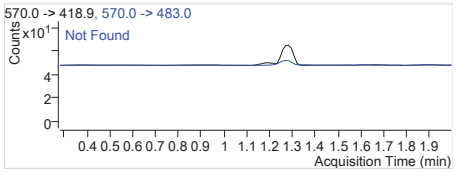
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



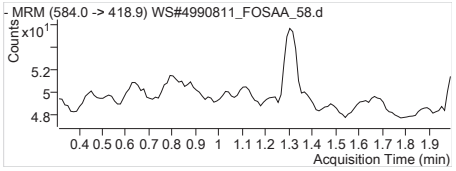


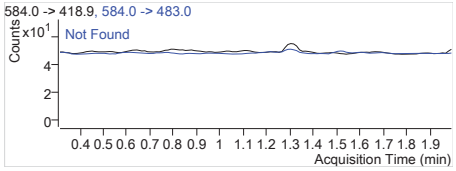
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



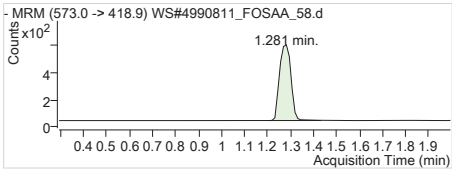


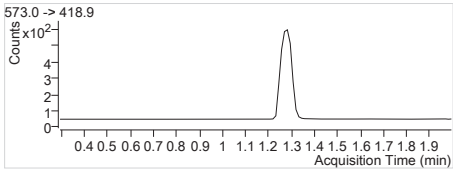
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



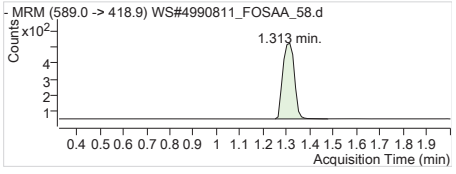


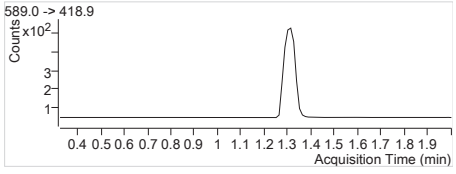
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



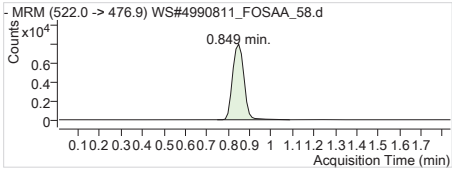


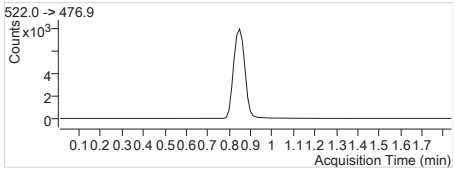
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 121.95 µg/Kg
Area ratio: 0.06592
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 117.84 µg/Kg
Area ratio: 0.05697
Sample type: Sample





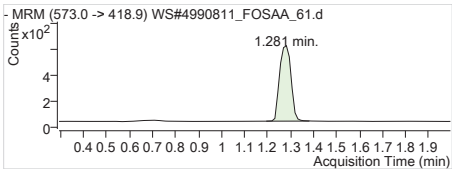
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	1233.40 µg/Kg
Area ratio:	0
Sample type:	Sample

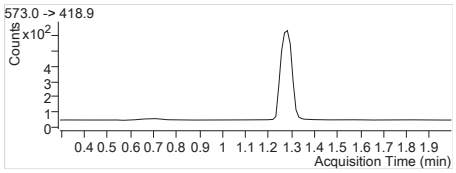
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:EJI404-01:10x**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_61.d	**Operator**	AD
Sample Type	Sample	**Dilution**	15.981
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-C4
Acq. Date	2017/05/25 3:34:58 AM	**Injection Volume**	Per Method
Sample Annotation	-		

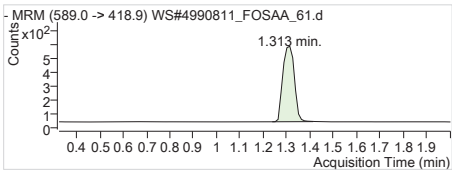
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	2016	1.28	1 µg/Kg		
D5-EtFOSAA IS	1868	1.31	1 µg/Kg		
13C9-PFDA IS	26908	0.85	1 µg/Kg		

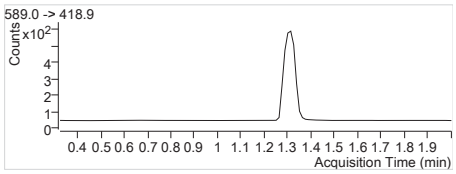
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	223	1.27	-	3.10 µg/Kg	-
EtFOSAA 1	152	1.30	-	2.91 µg/Kg	-
D3-MeFOSAA	2044	1.28	-	140.54 µg/Kg	-
D5-EtFOSAA	1883	1.31	-	144.73 µg/Kg	-
13C9-PFDA	27572	0.85	-	1407.15 µg/Kg	-



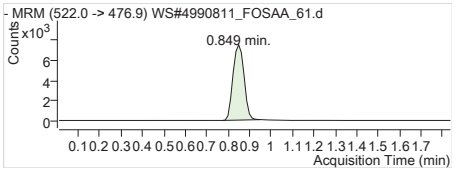


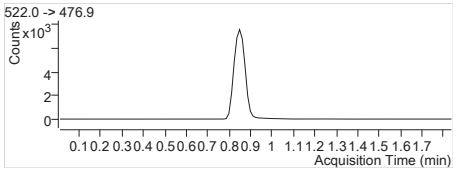
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



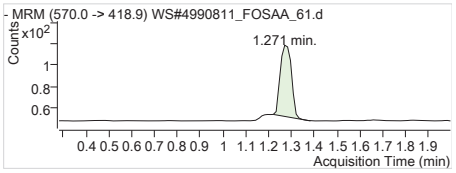


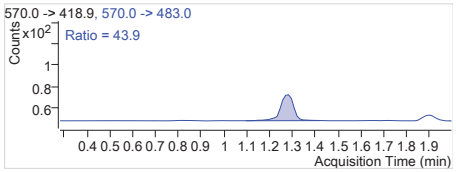
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



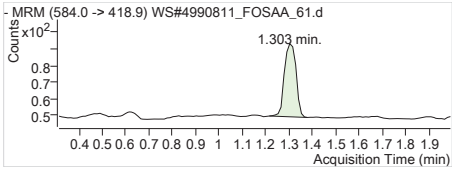


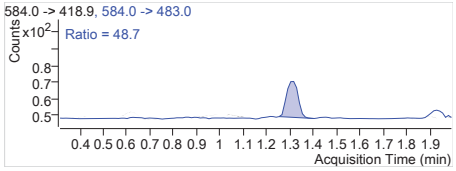
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



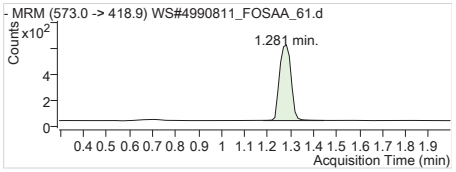


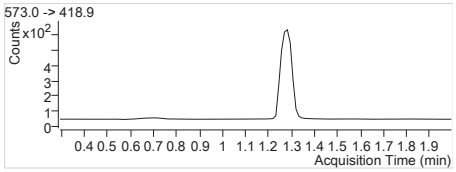
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 3.10 µg/Kg
Area ratio: 0.11062
Sample type: Sample



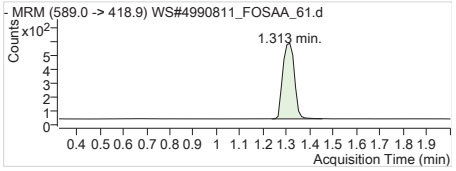


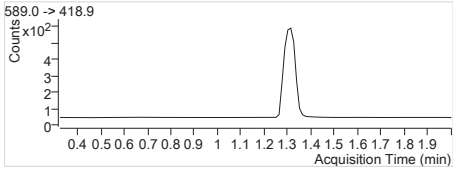
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 2.91 µg/Kg
Area ratio: 0.08137
Sample type: Sample



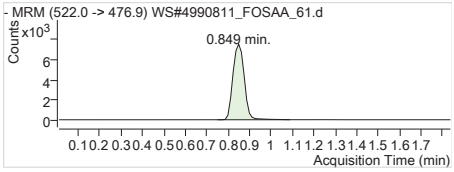


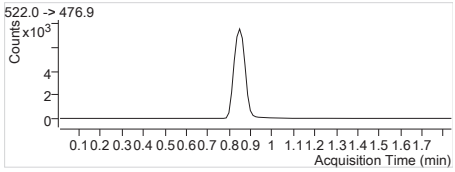
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 140.54 µg/Kg
Area ratio: 0.07597
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 144.73 µg/Kg
Area ratio: 0.06997
Sample type: Sample





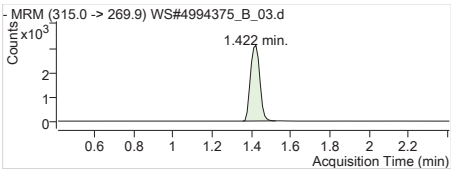
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	1407.15 µg/Kg
Area ratio:	0
Sample type:	Sample

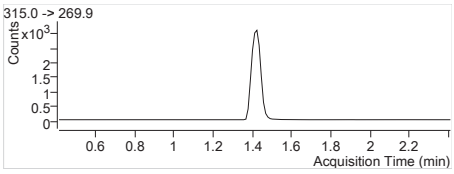
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI395-01**	**Instrument**	LCMS04
Data File	WS#4994375_B_03.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.219
Acq. Method	PFC_Soil.m	**Position**	P1-C6
Acq. Date	2017/05/30 10:28:18 AM	**Injection Volume**	Per Method
Sample Annotation	-		

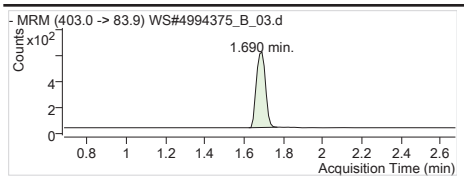
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	10170	1.42	1 µg/Kg		
MPFHxS	1874	1.69	1 µg/Kg		
MPFHpA	11175	1.68	1 µg/Kg		
MPFOA	10849	1.87	1 µg/Kg		
MPFNA	10530	2.01	1 µg/Kg		
MPFDA	8657	2.12	1 µg/Kg		
MPFUnA	9291	2.22	1 µg/Kg		
MPFDoA	9031	2.31	1 µg/Kg		
MPFTeDA	9982	2.46	1 µg/Kg		
M2 6:2 FTS	2611	1.83	1 µg/Kg		
M2 8:2 FTS	2776	2.10	1 µg/Kg		
13C6-PFHxA IS	53177	1.42	1 µg/Kg		
13C9-PFDA IS	43541	2.12	1 µg/Kg		

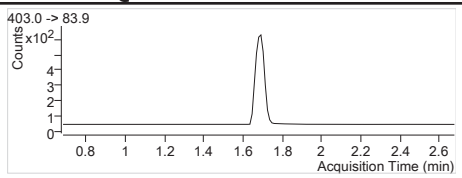
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	1591	1.87	-	0.41 µg/Kg	-
PFNA 1	3300	2.01	-	0.99 µg/Kg	-
PFDA 1	1572	2.12	-	0.43 µg/Kg	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	10170	1.42	-	92.10 µg/Kg	-
18O2-PFHxS	1874	1.69	-	100.53 µg/Kg	-
13C4-PFHpA	11175	1.68	-	95.53 µg/Kg	-
13C4-PFOA	10849	1.87	-	99.03 µg/Kg	-
13C5-PFNA	10530	2.01	-	97.93 µg/Kg	-
13C2-PFDA	8657	2.12	-	95.68 µg/Kg	-
13C2-PFUnA	9316	2.22	-	92.32 µg/Kg	-
13C2-PFDoA	9031	2.31	-	80.74 µg/Kg	-
13C2-PFTeDA	9982	2.46	-	69.73 µg/Kg	-
13C2-6:2-FTS	2611	1.83	-	94.42 µg/Kg	-
13C2-8:2 FTS	2776	2.10	-	102.84 µg/Kg	-
13C6-PFHxA	53177	1.42	-	129.76 µg/Kg	-
13C9-PFDA	43489	2.12	-	125.49 µg/Kg	-



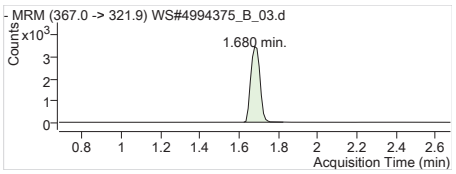


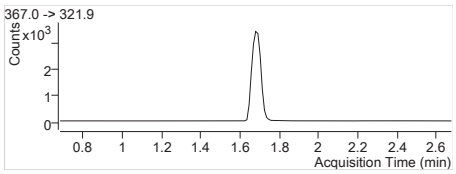
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



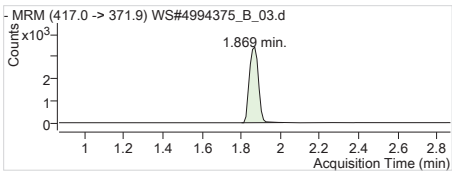


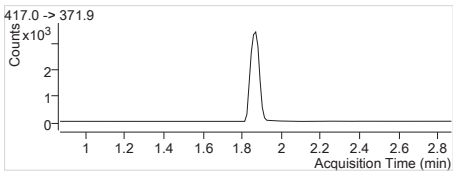
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



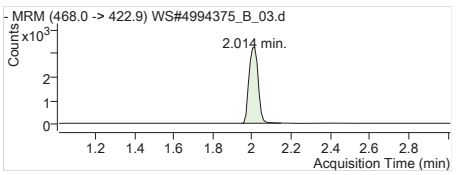


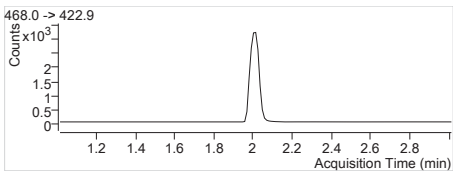
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



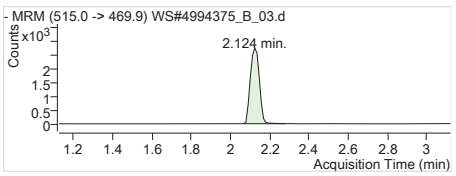


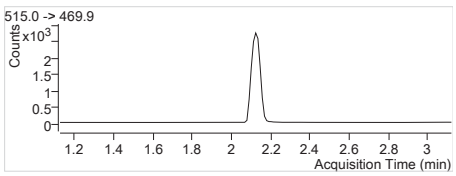
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



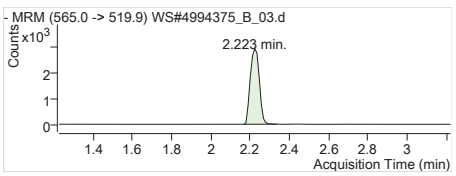


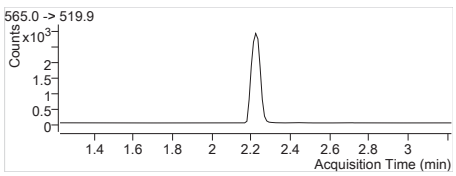
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



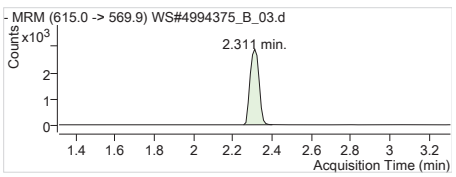


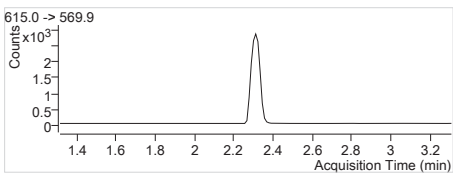
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



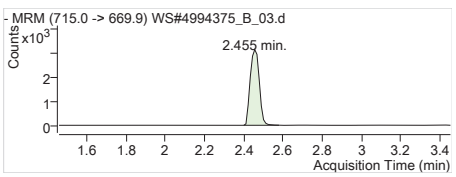


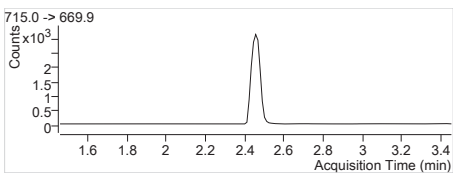
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



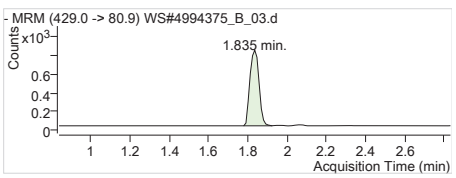


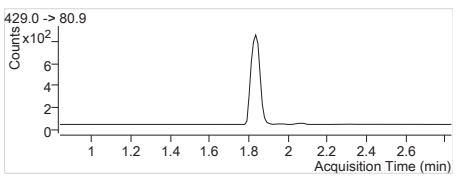
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



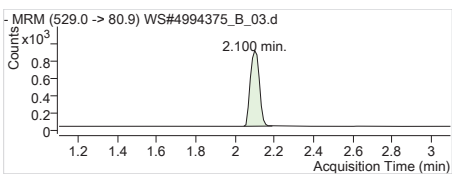


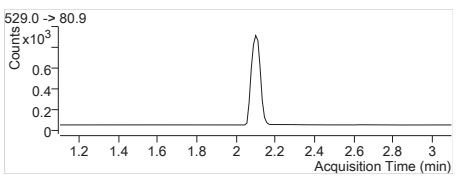
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



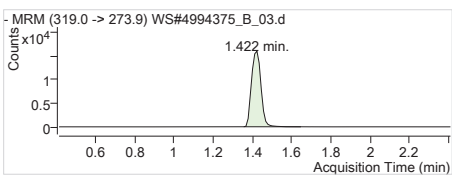


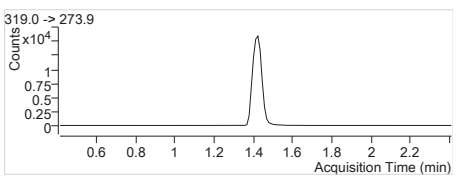
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



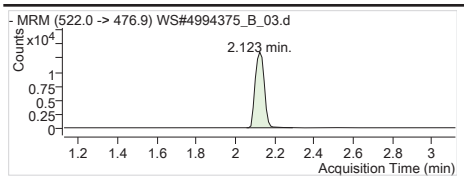


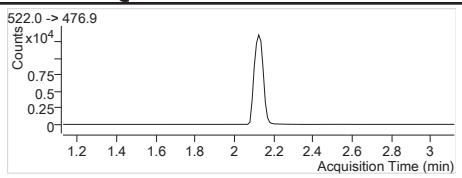
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



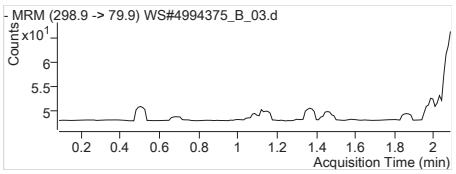


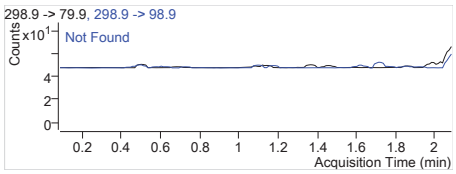
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



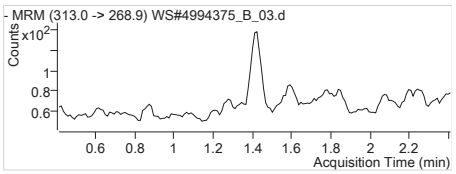


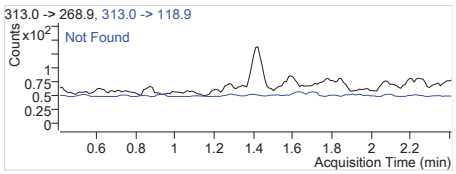
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



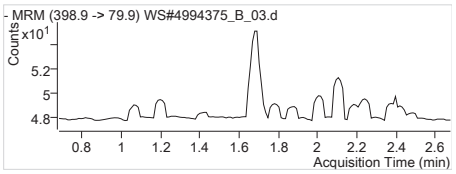


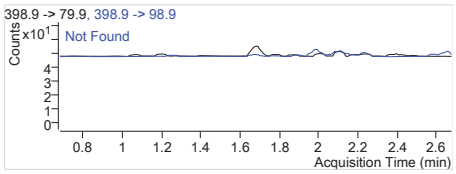
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



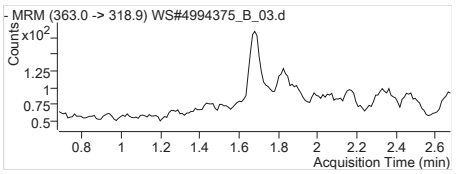


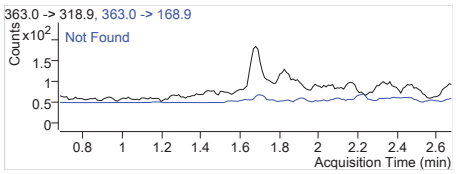
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



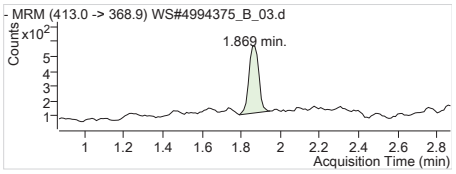


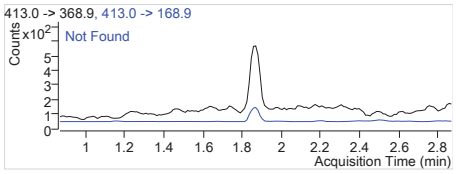
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.679)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



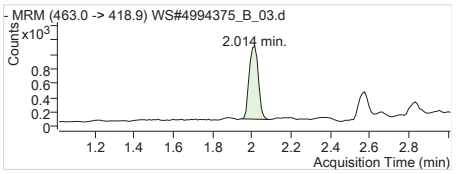


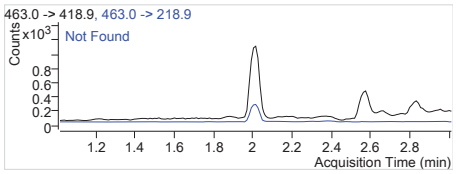
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



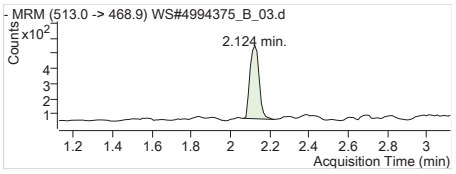


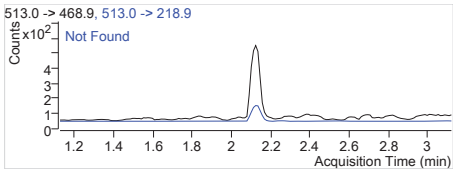
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.41 µg/Kg
Area ratio: 0.14665
Sample type: Sample



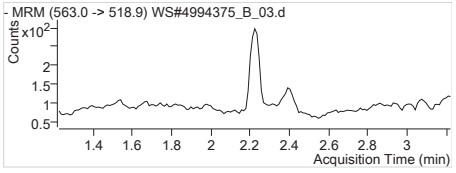


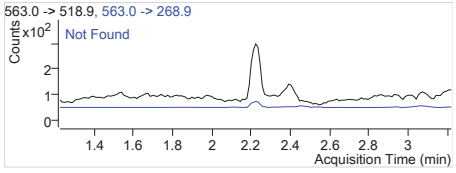
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.99 µg/Kg
Area ratio: 0.31339
Sample type: Sample



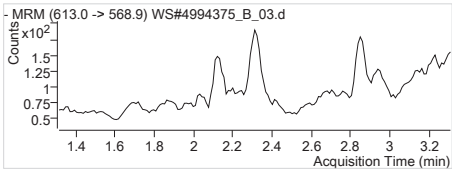


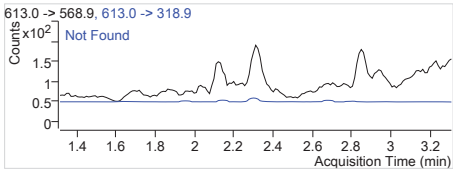
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 0.43 µg/Kg
Area ratio: 0.18159
Sample type: Sample



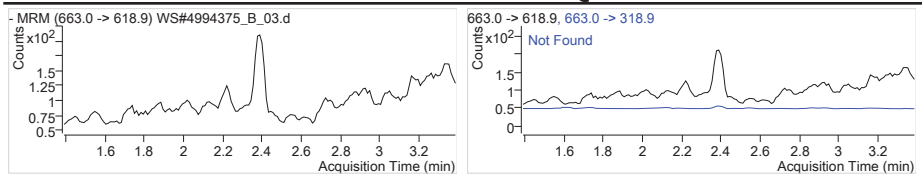


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

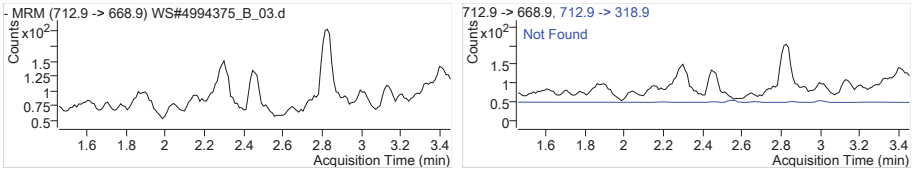




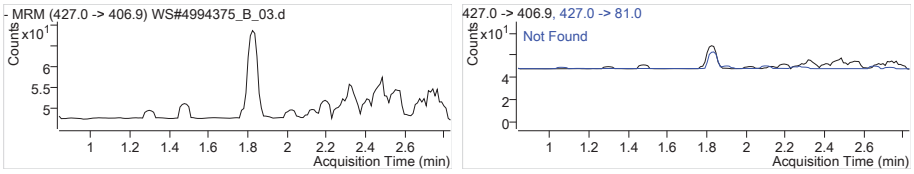
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



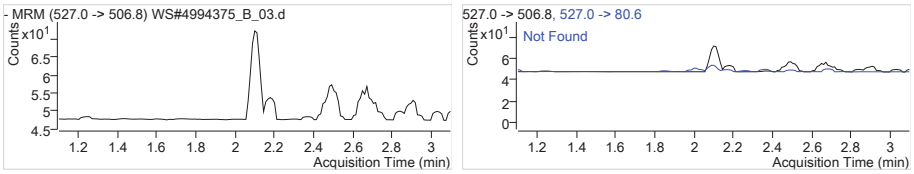
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



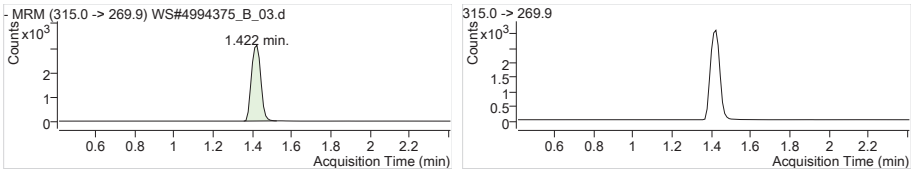
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



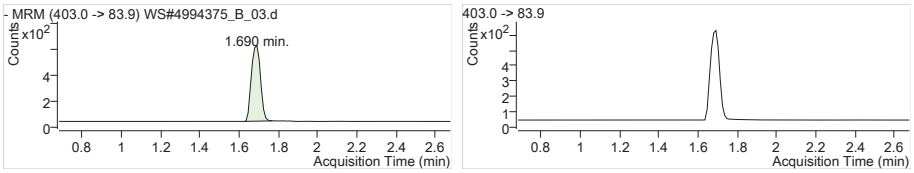
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



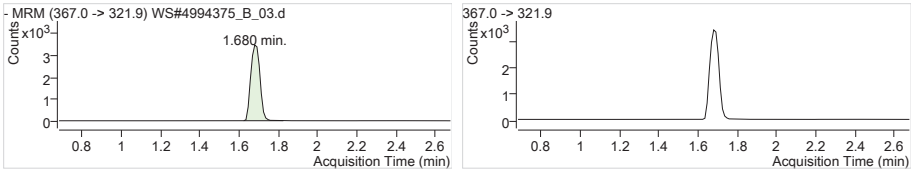
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



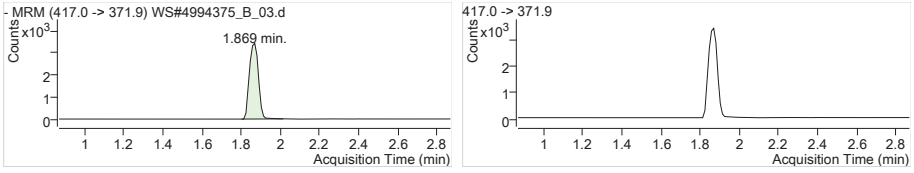
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 92.10 µg/Kg
Area ratio: 0.19125
Sample type: Sample



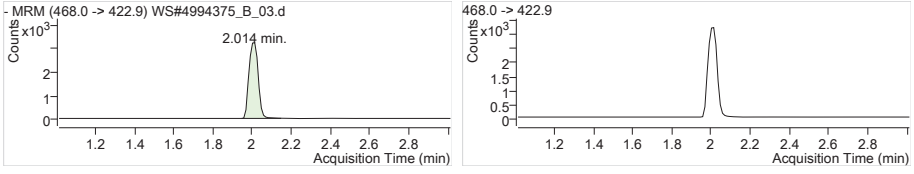
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 100.53 µg/Kg
Area ratio: 0.03524
Sample type: Sample



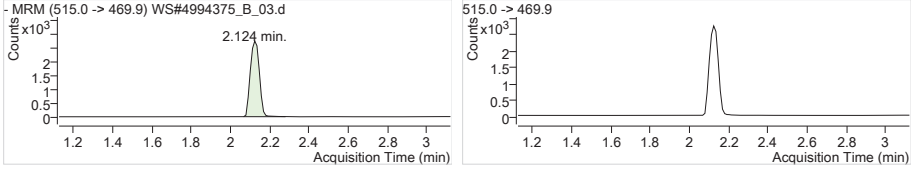
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 95.53 µg/Kg
Area ratio: 0.21015
Sample type: Sample



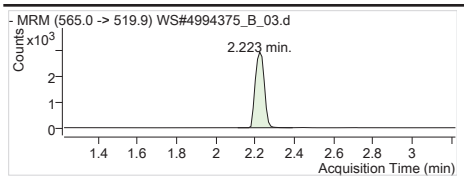
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 99.03 µg/Kg
Area ratio: 0.20402
Sample type: Sample

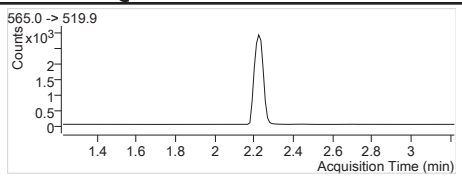


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 97.93 µg/Kg
Area ratio: 0.19802
Sample type: Sample

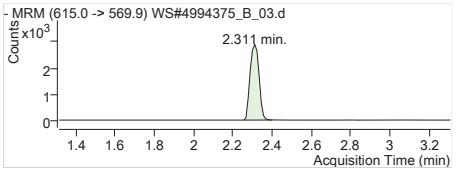


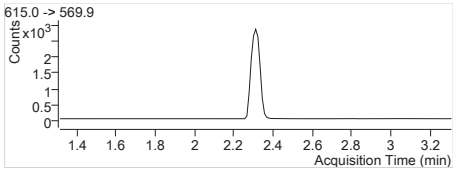
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 95.68 µg/Kg
Area ratio: 0.19882
Sample type: Sample



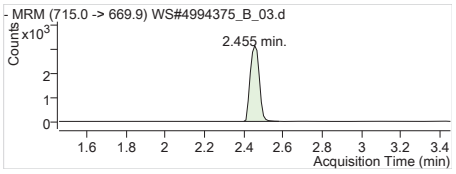


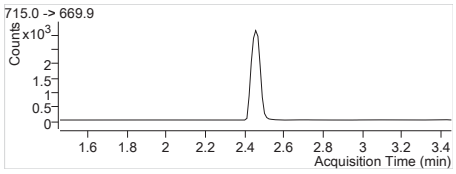
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 92.32 µg/Kg
Area ratio: 0.21396
Sample type: Sample



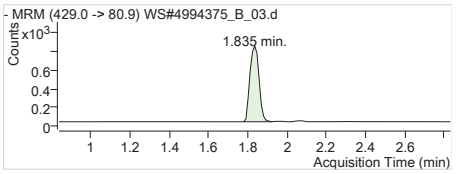


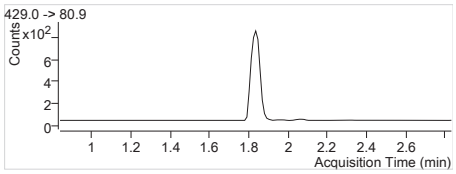
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 80.74 µg/Kg
Area ratio: 0.20741
Sample type: Sample



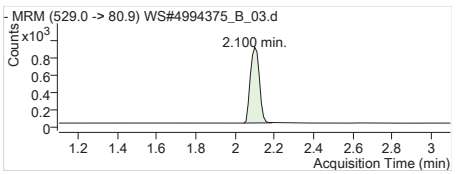


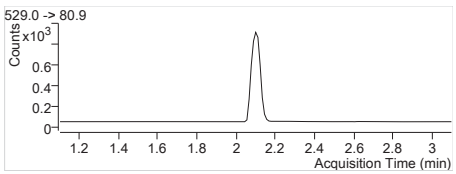
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 69.73 µg/Kg
Area ratio: 0.22926
Sample type: Sample



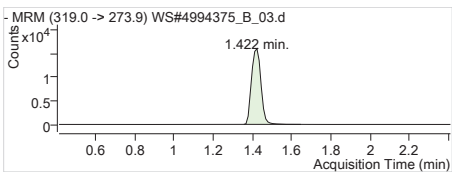


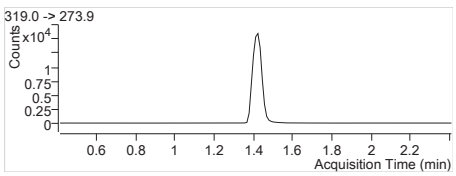
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 94.42 µg/Kg
Area ratio: 0.04910
Sample type: Sample



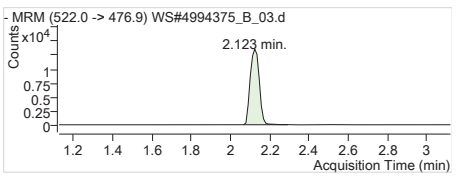


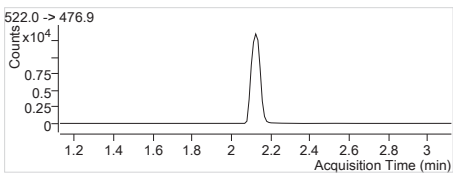
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 102.84 µg/Kg
Area ratio: 0.05220
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 129.76 µg/Kg
Area ratio: 0
Sample type: Sample





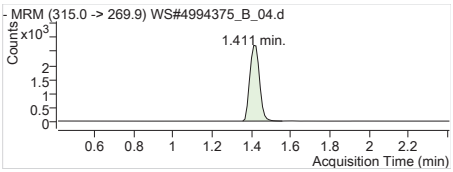
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 125.49 µg/Kg
Area ratio: 0
Sample type: Sample

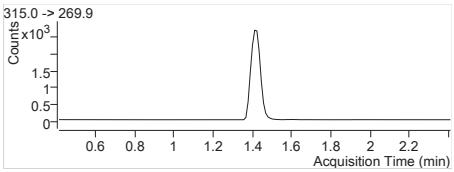
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI397-01:10x**	**Instrument**	LCMS04
Data File	WS#4994375_B_04.d	**Operator**	AD
Sample Type	Sample	**Dilution**	13.928
Acq. Method	PFC_Soil.m	**Position**	P1-C7
Acq. Date	2017/05/30 10:33:12 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS		

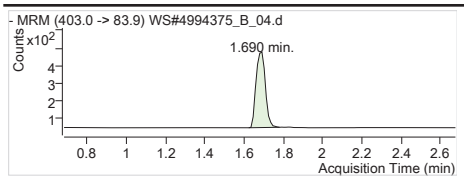
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9178	1.41	1 µg/Kg		
MPFHxS	1424	1.69	1 µg/Kg		
MPFHpA	9898	1.68	1 µg/Kg		
MPFOA	9233	1.87	1 µg/Kg		
MPFNA	9493	2.01	1 µg/Kg		
MPFDA	7900	2.12	1 µg/Kg		
MPFUnA	8975	2.22	1 µg/Kg		
MPFDoA	9553	2.31	1 µg/Kg		
MPFTeDA	11863	2.46	1 µg/Kg		
M2 6:2 FTS	2453	1.83	1 µg/Kg		
M2 8:2 FTS	2402	2.10	1 µg/Kg		
13C6-PFHxA IS	50532	1.41	1 µg/Kg		
13C9-PFDA IS	43542	2.12	1 µg/Kg		

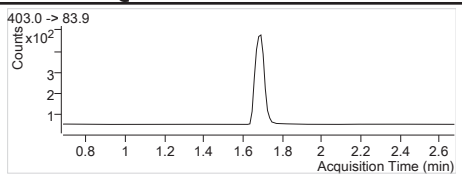
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	315	1.68	-	6.26 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	9178	1.41	-	87.47 µg/Kg	-
18O2-PFHxS	1424	1.69	-	80.39 µg/Kg	-
13C4-PFHpA	9898	1.68	-	89.05 µg/Kg	-
13C4-PFOA	9233	1.87	-	88.69 µg/Kg	-
13C5-PFNA	9493	2.01	-	92.90 µg/Kg	-
13C2-PFDA	7900	2.12	-	87.31 µg/Kg	-
13C2-PFUnA	9011	2.22	-	89.30 µg/Kg	-
13C2-PFDoA	9553	2.31	-	85.40 µg/Kg	-
13C2-PFTeDA	11863	2.46	-	82.87 µg/Kg	-
13C2-6:2-FTS	2453	1.83	-	93.35 µg/Kg	-
13C2-8:2 FTS	2402	2.10	-	93.64 µg/Kg	-
13C6-PFHxA	50532	1.41	-	1408.90 µg/Kg	-
13C9-PFDA	43519	2.12	-	1434.79 µg/Kg	-



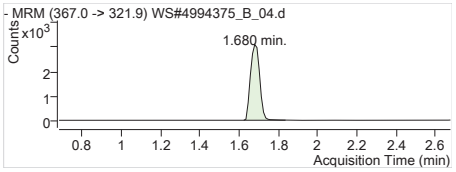


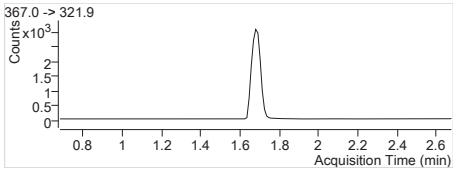
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



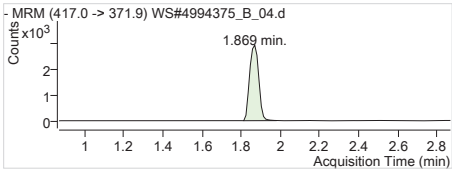


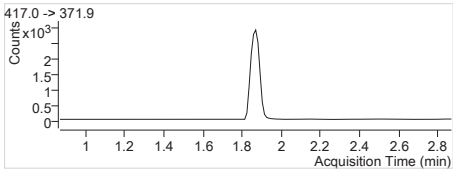
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



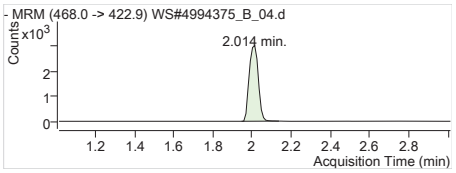


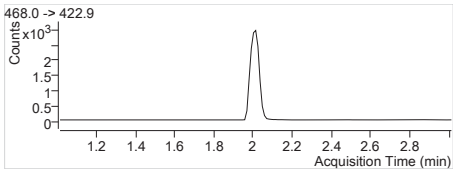
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



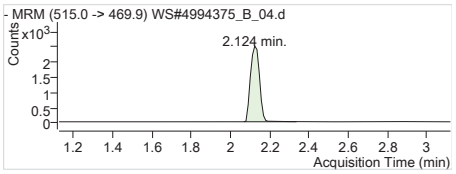


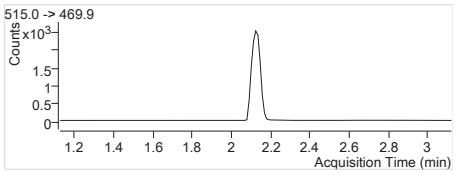
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



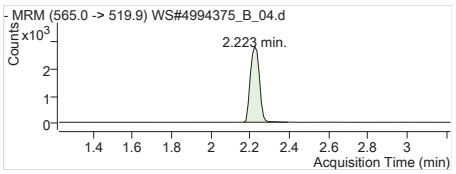


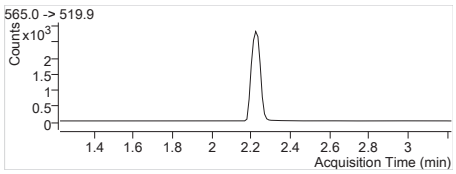
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



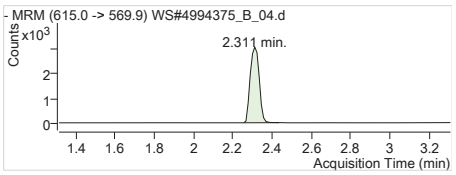


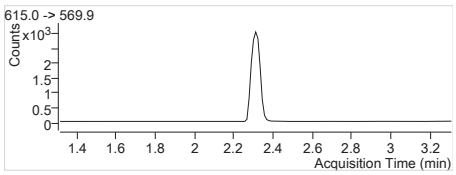
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



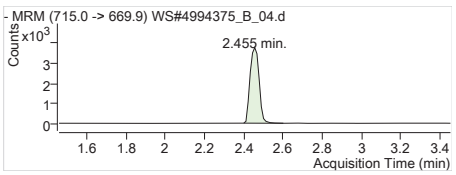


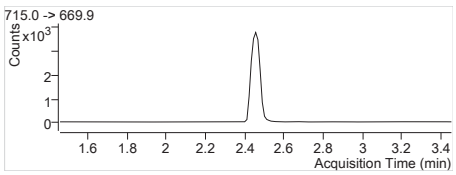
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



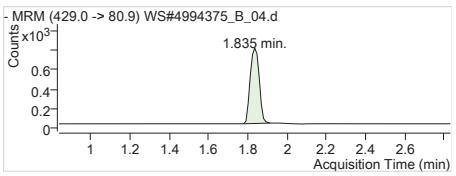


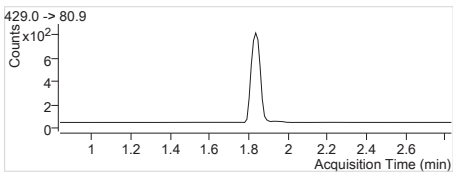
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



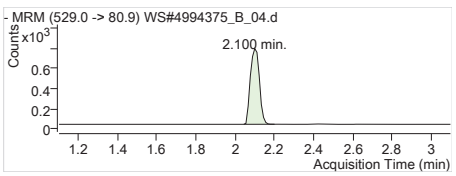


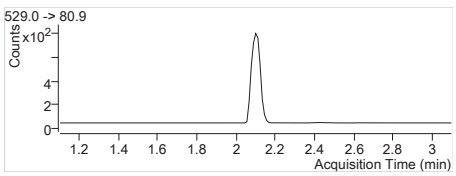
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



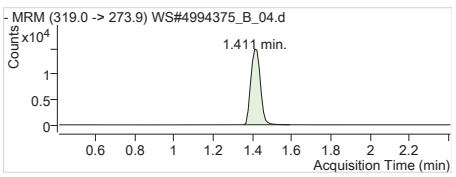


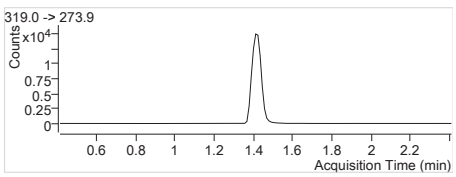
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



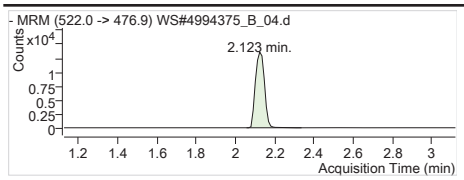


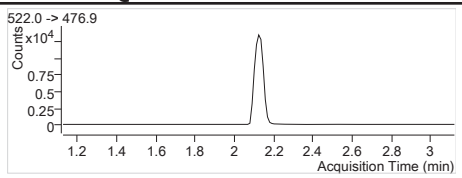
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



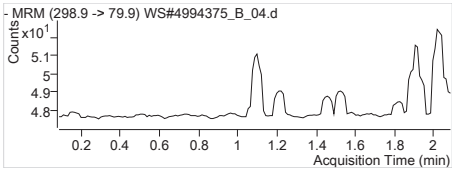


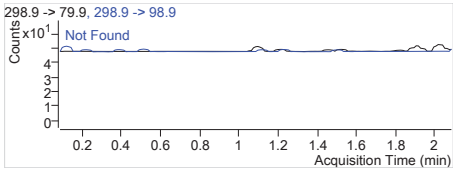
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



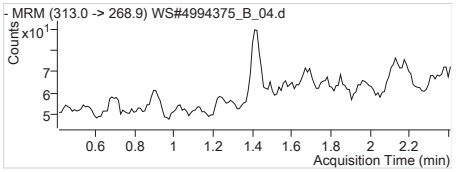


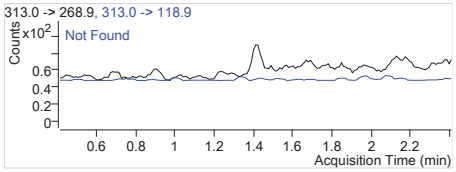
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



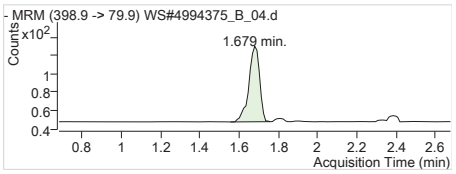


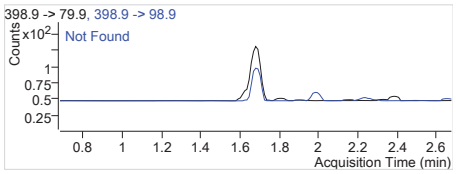
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



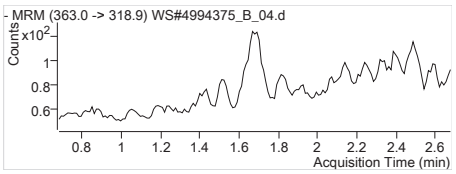


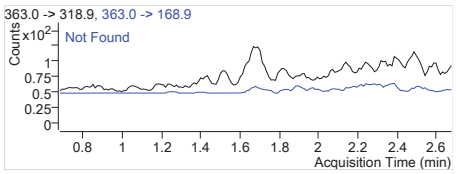
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



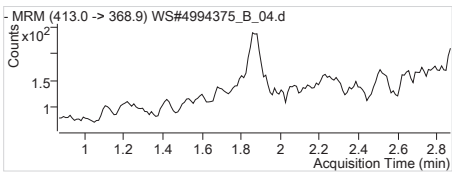


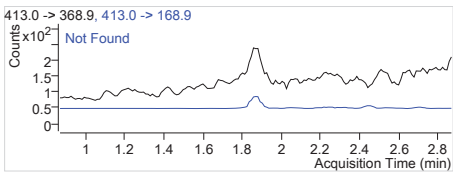
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 6.26 µg/Kg
Area ratio: 0.22121
Sample type: Sample



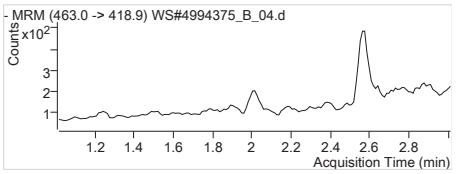


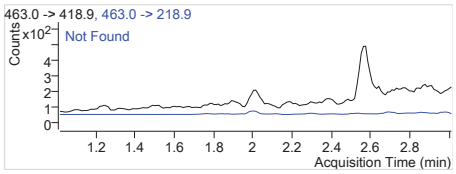
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



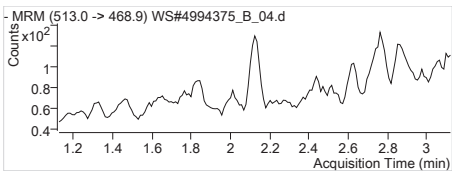


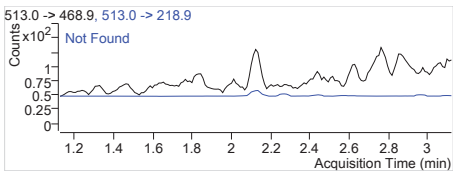
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



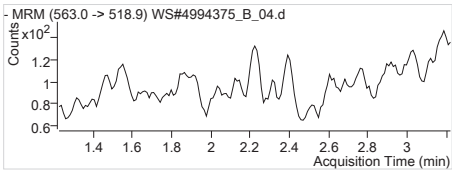


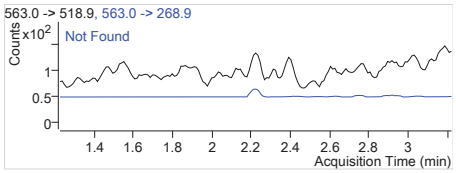
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



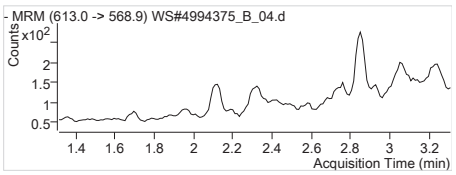


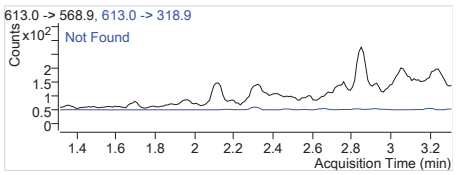
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



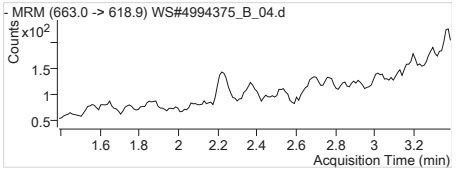


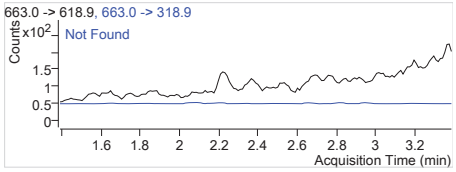
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



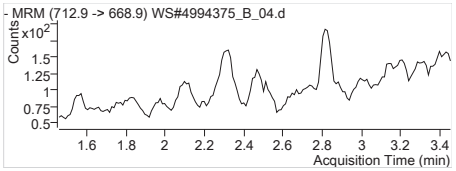


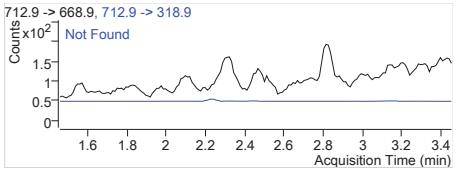
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



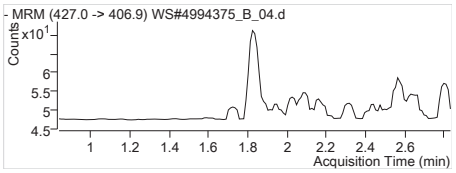


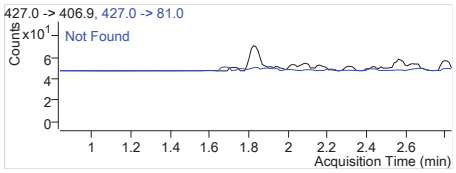
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



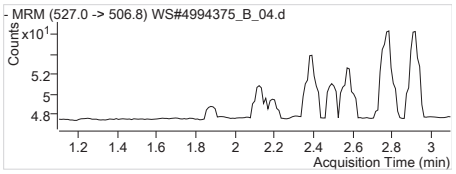


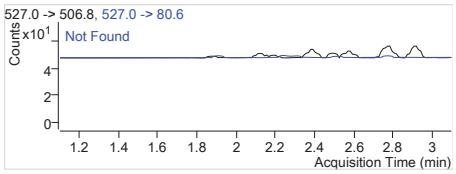
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



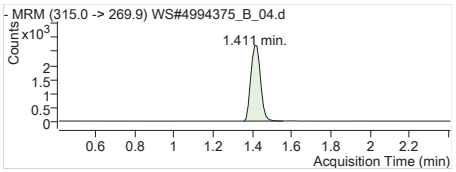


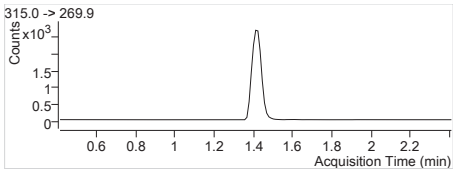
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



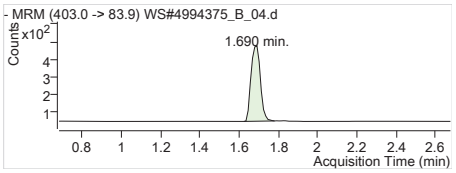


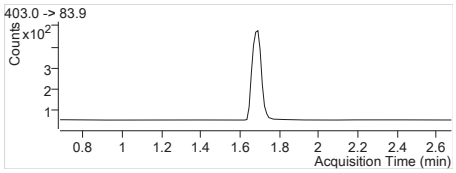
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



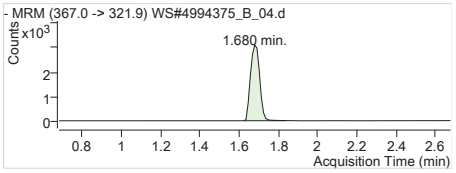


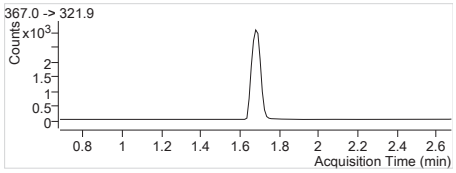
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 87.47 µg/Kg
Area ratio: 0.18163
Sample type: Sample



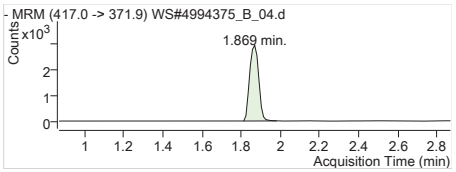


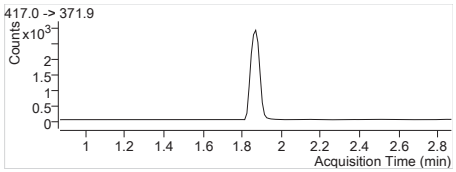
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 80.39 µg/Kg
Area ratio: 0.02818
Sample type: Sample



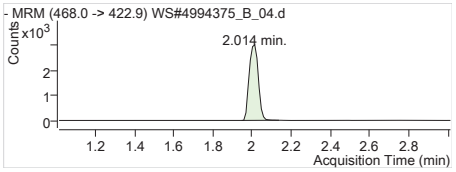


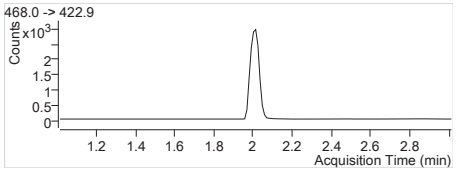
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 89.05 µg/Kg
Area ratio: 0.19588
Sample type: Sample



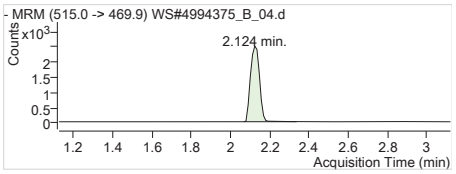


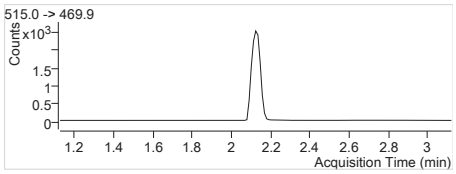
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 88.69 µg/Kg
Area ratio: 0.18272
Sample type: Sample



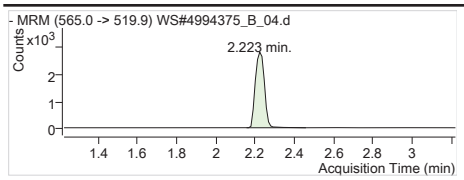


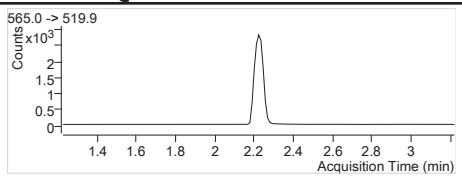
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 92.90 µg/Kg
Area ratio: 0.18786
Sample type: Sample



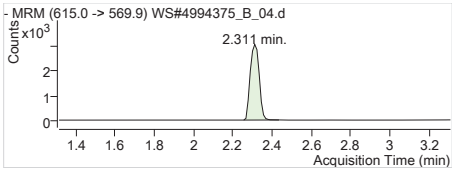


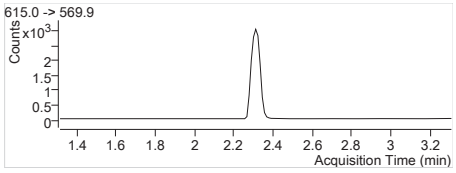
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 87.31 µg/Kg
Area ratio: 0.18143
Sample type: Sample



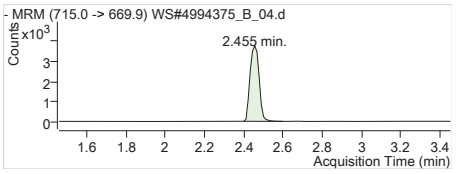


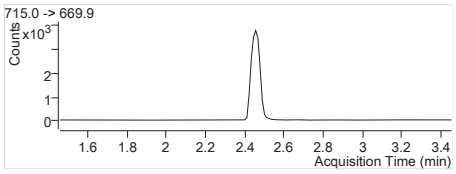
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 89.30 µg/Kg
Area ratio: 0.20695
Sample type: Sample



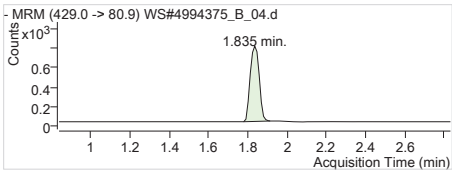


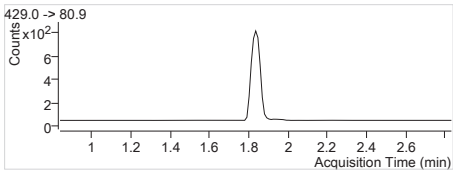
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 85.40 µg/Kg
Area ratio: 0.21940
Sample type: Sample



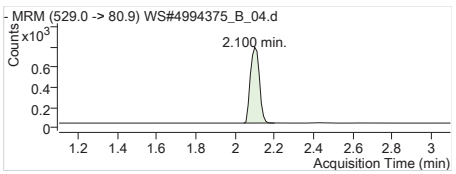


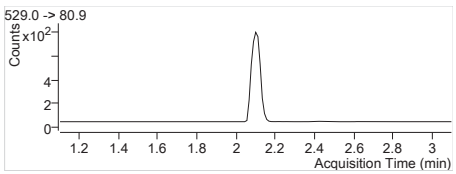
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 82.87 µg/Kg
Area ratio: 0.27245
Sample type: Sample



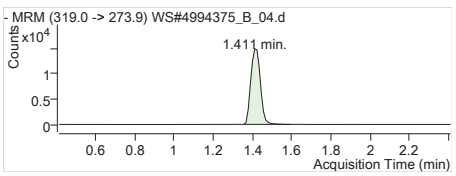


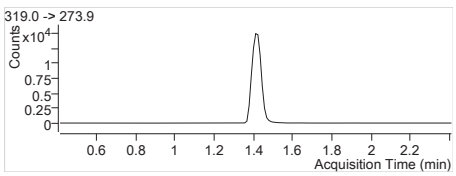
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 93.35 µg/Kg
Area ratio: 0.04854
Sample type: Sample



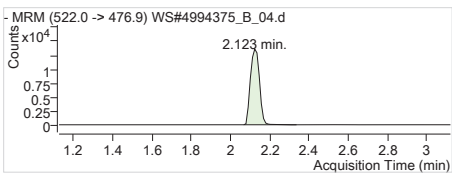


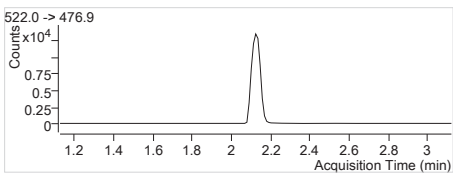
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 93.64 µg/Kg
Area ratio: 0.04753
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 1408.90 µg/Kg
Area ratio: 0
Sample type: Sample





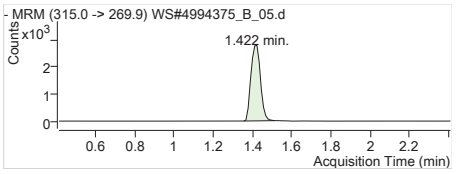
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 1434.79 µg/Kg
Area ratio: 0
Sample type: Sample

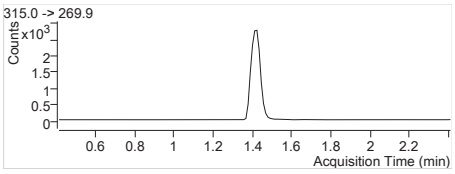
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI397-01**	**Instrument**	LCMS04
Data File	WS#4994375_B_05.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.393
Acq. Method	PFC_Soil.m	**Position**	P1-C8
Acq. Date	2017/05/30 10:38:06 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except PFOS		

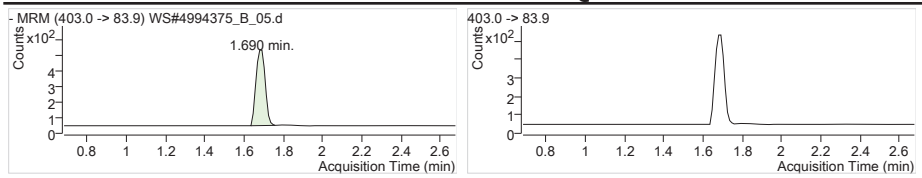
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9243	1.42	1 µg/Kg		
MPFHxS	1592	1.69	1 µg/Kg		
MPFHpA	9838	1.68	1 µg/Kg		
MPFOA	9208	1.87	1 µg/Kg		
MPFNA	9290	2.01	1 µg/Kg		
MPFDA	8029	2.12	1 µg/Kg		
MPFUnA	7964	2.22	1 µg/Kg		
MPFDoA	7985	2.31	1 µg/Kg		
MPFTeDA	9185	2.46	1 µg/Kg		
M2 6:2 FTS	2449	1.83	1 µg/Kg		
M2 8:2 FTS	2745	2.10	1 µg/Kg		
13C6-PFHxA IS	53463	1.42	1 µg/Kg		
13C9-PFDA IS	45095	2.12	1 µg/Kg		

Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	1640	1.69	-	3.14 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1417	1.87	-	0.49 µg/Kg	-
PFNA 1	1020	2.01	-	0.38 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	9243	1.42	-	83.26 µg/Kg	-
18O2-PFHxS	1592	1.69	-	84.95 µg/Kg	-
13C4-PFHpA	9838	1.68	-	83.65 µg/Kg	-
13C4-PFOA	9208	1.87	-	83.60 µg/Kg	-
13C5-PFNA	9290	2.01	-	85.93 µg/Kg	-
13C2-PFDA	8029	2.12	-	85.68 µg/Kg	-
13C2-PFUnA	7978	2.22	-	76.34 µg/Kg	-
13C2-PFDoA	7985	2.31	-	68.92 µg/Kg	-
13C2-PFTeDA	9185	2.46	-	61.95 µg/Kg	-
13C2-6:2-FTS	2449	1.83	-	88.09 µg/Kg	-
13C2-8:2 FTS	2745	2.10	-	101.14 µg/Kg	-
13C6-PFHxA	53463	1.42	-	149.08 µg/Kg	-
13C9-PFDA	45053	2.12	-	148.56 µg/Kg	-

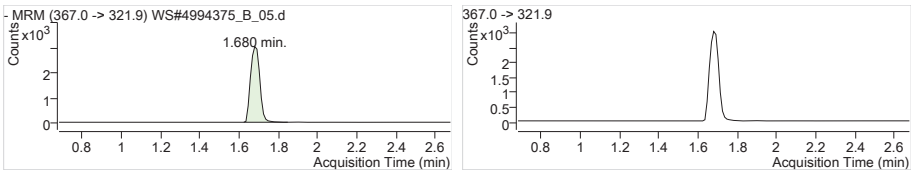




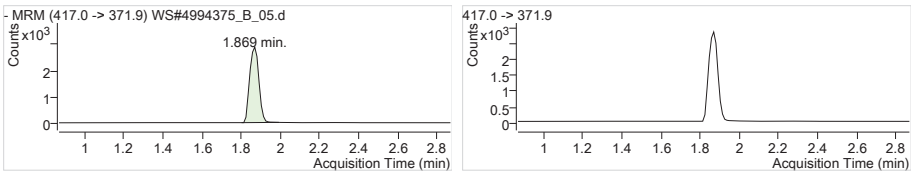
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



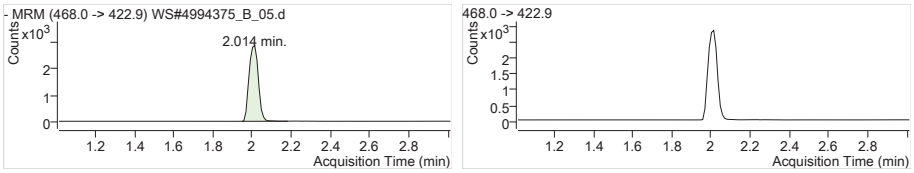
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



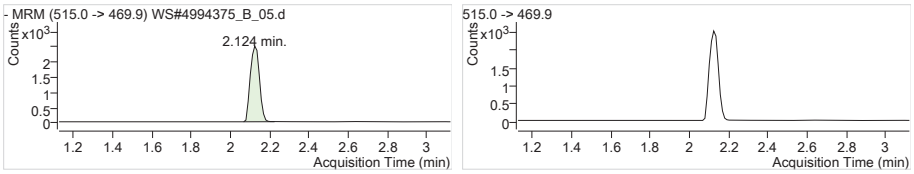
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



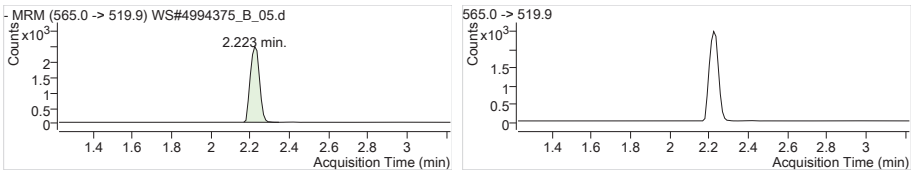
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



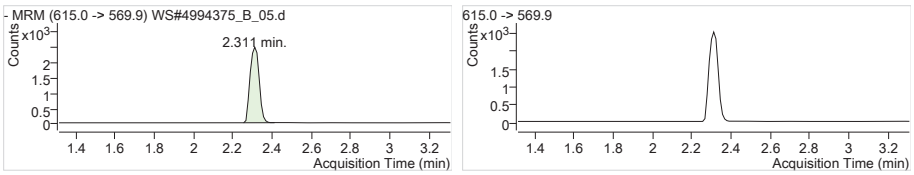
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



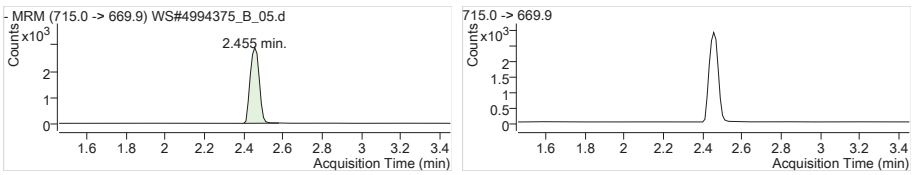
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



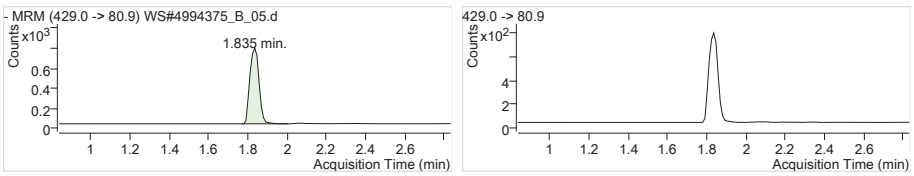
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



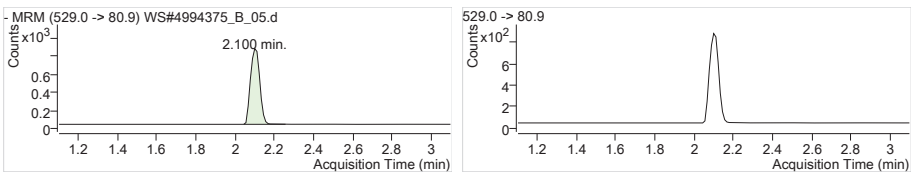
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



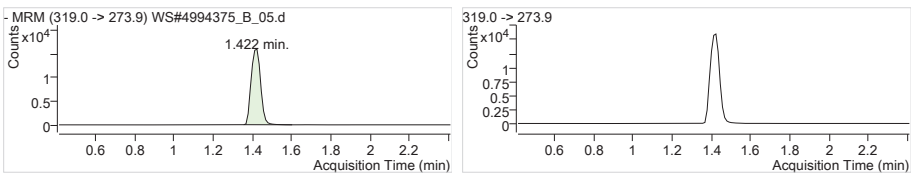
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



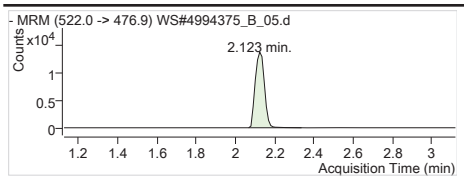
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample

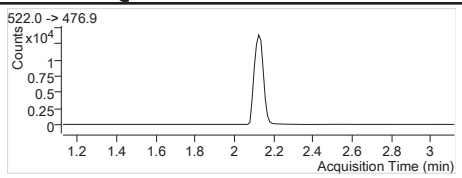


M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample

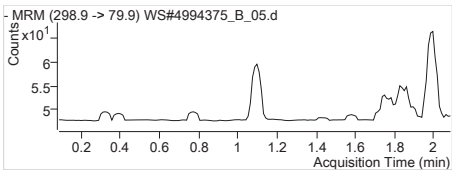


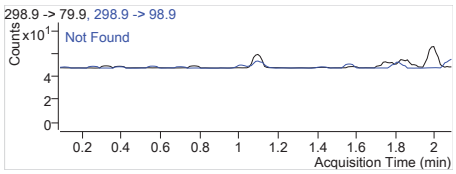
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



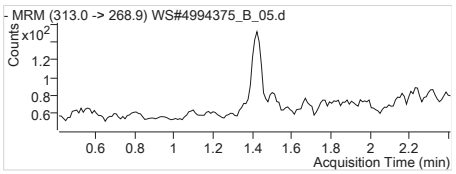


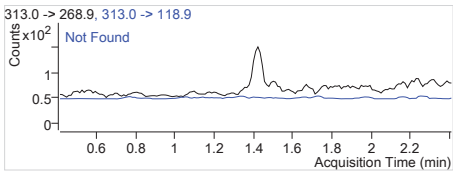
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



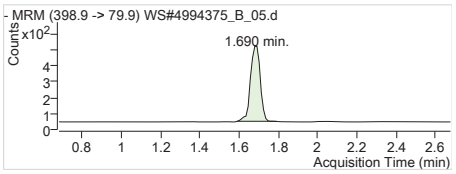


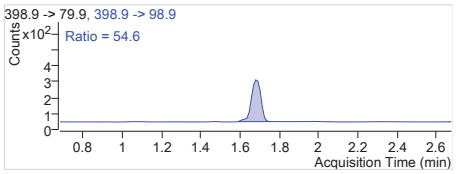
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



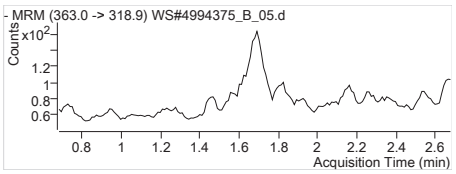


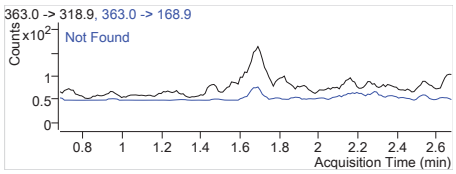
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



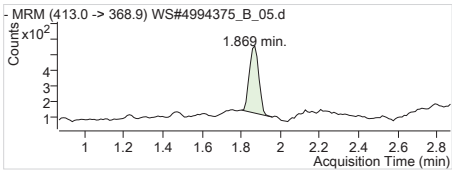


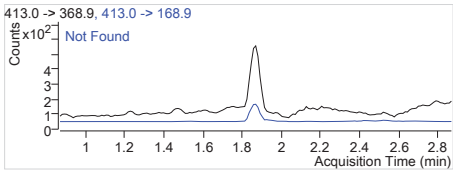
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 3.14 µg/Kg
Area ratio: 1.03015
Sample type: Sample



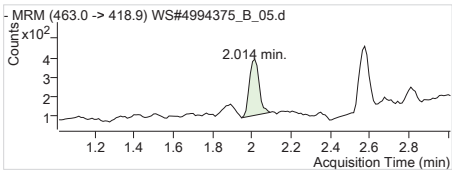


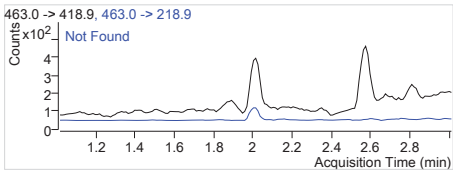
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



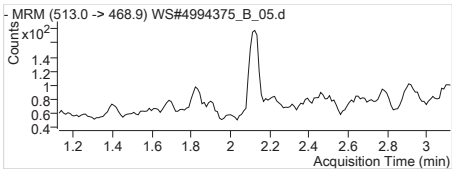


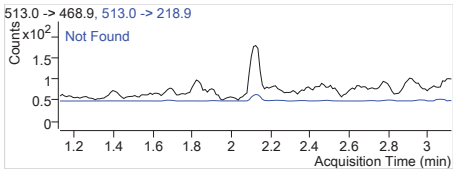
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.49 µg/Kg
Area ratio: 0.15389
Sample type: Sample



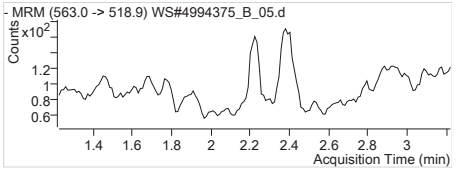


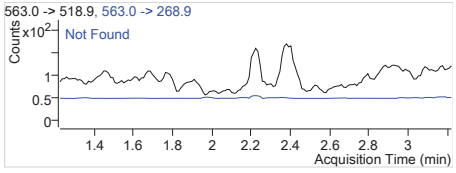
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.38 µg/Kg
Area ratio: 0.10980
Sample type: Sample



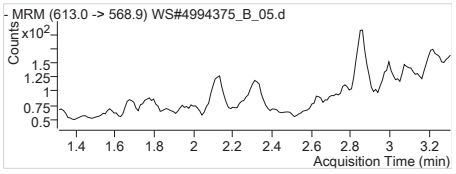


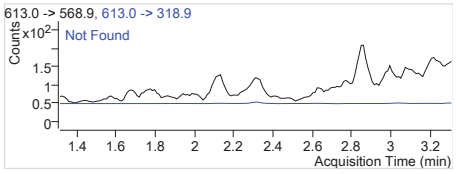
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



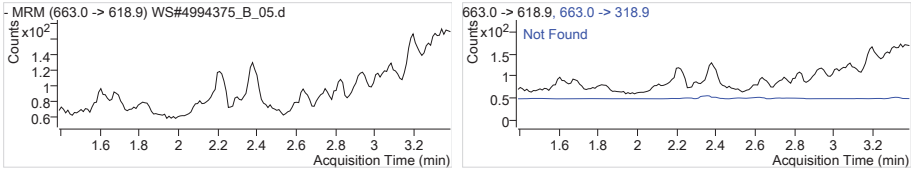


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

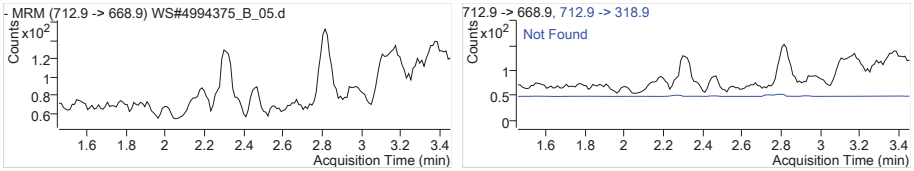




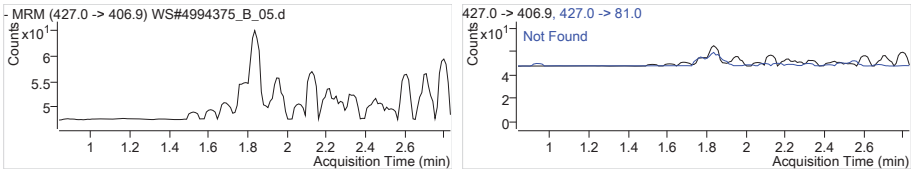
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



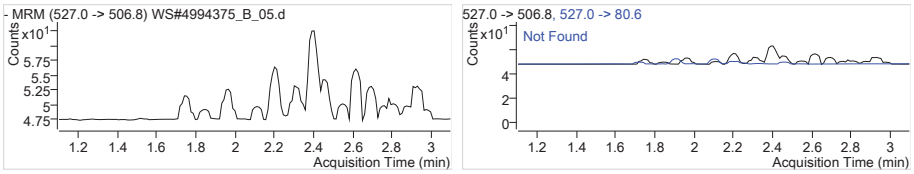
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



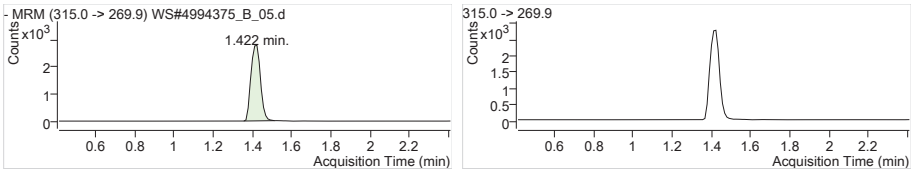
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



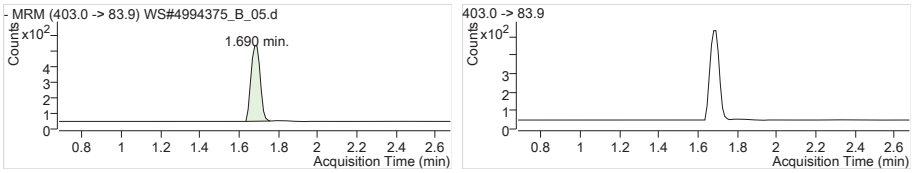
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



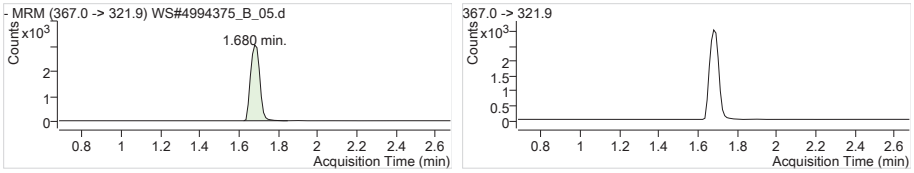
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



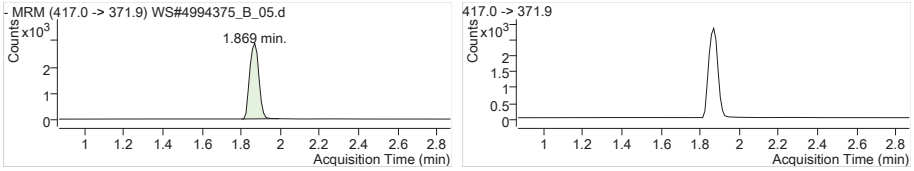
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 83.26 µg/Kg
Area ratio: 0.17289
Sample type: Sample



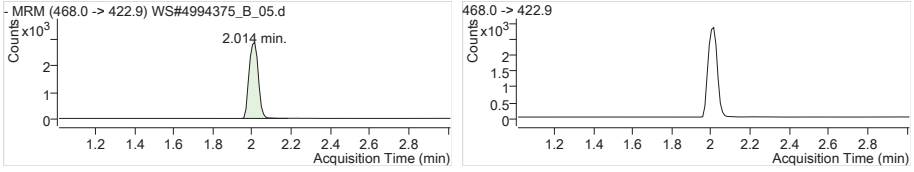
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 84.95 µg/Kg
Area ratio: 0.02978
Sample type: Sample



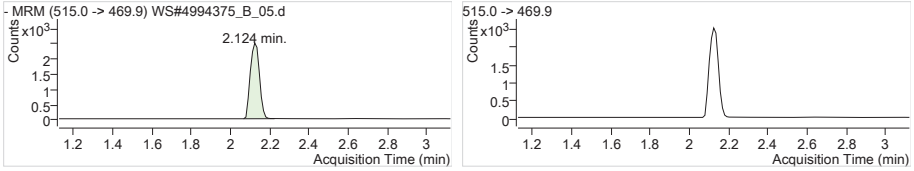
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 83.65 µg/Kg
Area ratio: 0.18402
Sample type: Sample



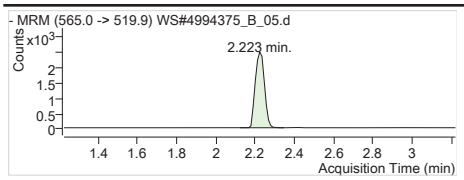
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 83.60 µg/Kg
Area ratio: 0.17223
Sample type: Sample

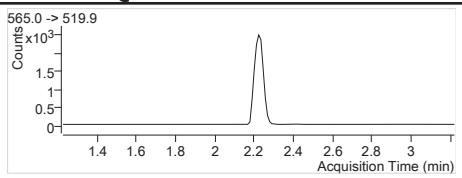


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 85.93 µg/Kg
Area ratio: 0.17377
Sample type: Sample

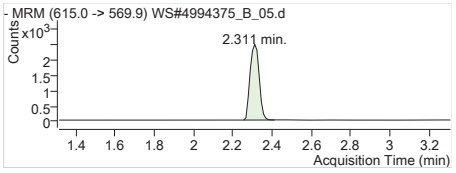


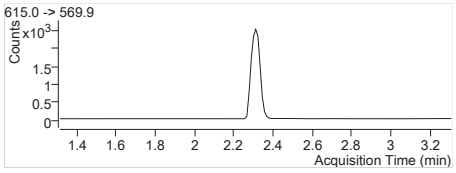
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 85.68 µg/Kg
Area ratio: 0.17805
Sample type: Sample



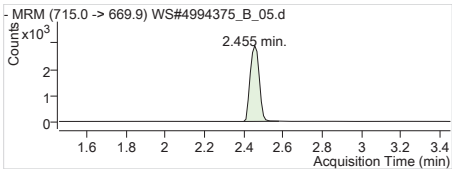


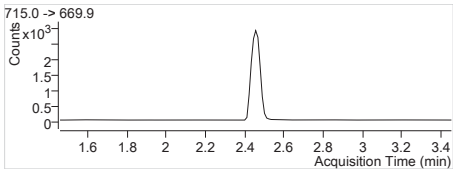
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 76.34 µg/Kg
Area ratio: 0.17692
Sample type: Sample



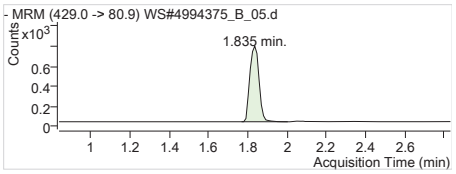


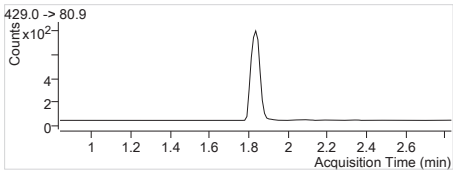
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 68.92 µg/Kg
Area ratio: 0.17707
Sample type: Sample



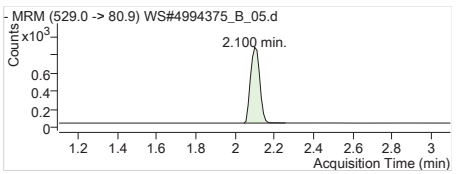


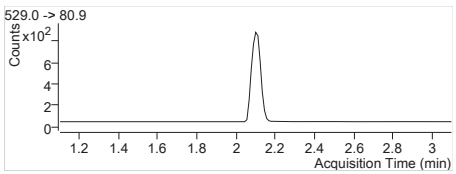
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 61.95 µg/Kg
Area ratio: 0.20368
Sample type: Sample



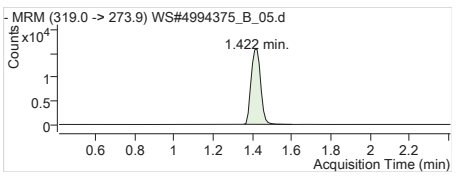


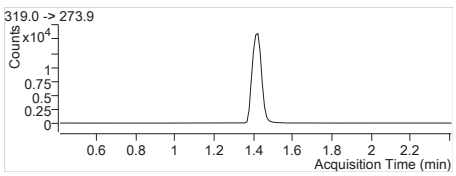
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 88.09 µg/Kg
Area ratio: 0.04581
Sample type: Sample



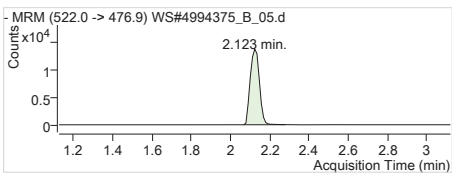


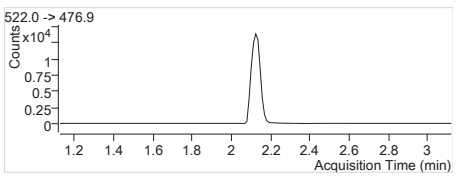
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 101.14 µg/Kg
Area ratio: 0.05134
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 149.08 µg/Kg
Area ratio: 0
Sample type: Sample





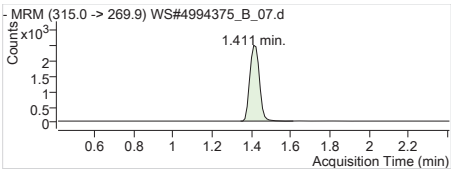
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 148.56 µg/Kg
Area ratio: 0
Sample type: Sample

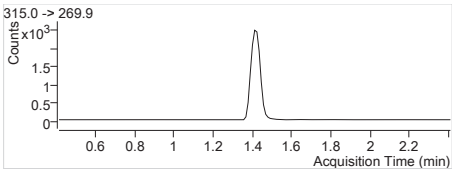
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI406-01:100x**	**Instrument**	LCMS04
Data File	WS#4994375_B_07.d	**Operator**	AD
Sample Type	Sample	**Dilution**	139.421
Acq. Method	PFC_Soil.m	**Position**	P1-C9
Acq. Date	2017/05/30 10:47:54 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS		

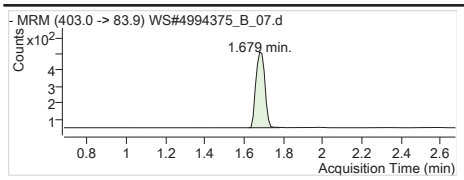
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8361	1.41	1 µg/Kg		
MPFHxS	1480	1.68	1 µg/Kg		
MPFHpA	9790	1.68	1 µg/Kg		
MPFOA	8681	1.87	1 µg/Kg		
MPFNA	8415	2.01	1 µg/Kg		
MPFDA	7434	2.12	1 µg/Kg		
MPFUnA	8022	2.22	1 µg/Kg		
MPFDoA	8790	2.31	1 µg/Kg		
MPFTeDA	10801	2.46	1 µg/Kg		
M2 6:2 FTS	2208	1.83	1 µg/Kg		
M2 8:2 FTS	2383	2.10	1 µg/Kg		
13C6-PFHxA IS	44314	1.41	1 µg/Kg		
13C9-PFDA IS	38217	2.12	1 µg/Kg		

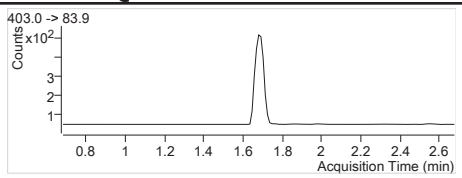
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1	440	2.10	-	56.79 µg/Kg	-
13C2-PFHxA	8361	1.41	-	90.86 µg/Kg	-
18O2-PFHxS	1480	1.68	-	95.28 µg/Kg	-
13C4-PFHpA	9790	1.68	-	100.43 µg/Kg	-
13C4-PFOA	8681	1.87	-	95.09 µg/Kg	-
13C5-PFNA	8415	2.01	-	93.91 µg/Kg	-
13C2-PFDA	7434	2.12	-	93.61 µg/Kg	-
13C2-PFUnA	8038	2.22	-	90.75 µg/Kg	-
13C2-PFDoA	8790	2.31	-	89.53 µg/Kg	-
13C2-PFTeDA	10801	2.46	-	85.96 µg/Kg	-
13C2-6:2-FTS	2208	1.83	-	95.82 µg/Kg	-
13C2-8:2 FTS	2383	2.10	-	105.93 µg/Kg	-
13C6-PFHxA	44314	1.41	-	12367.86 µg/Kg	-
13C9-PFDA	38646	2.12	-	12754.22 µg/Kg	-



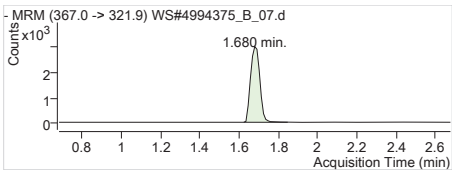


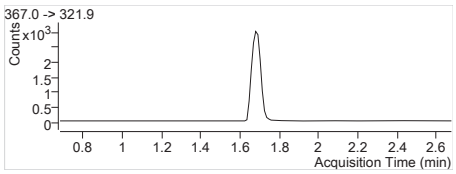
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



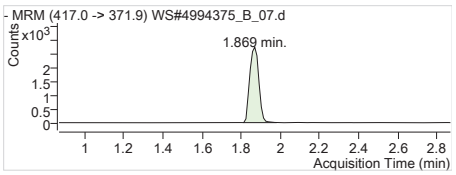


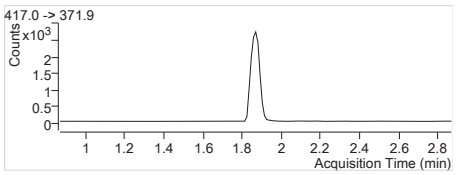
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



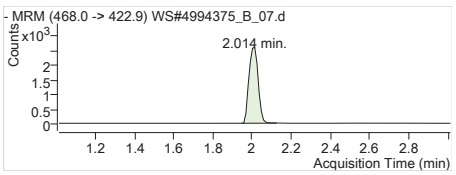


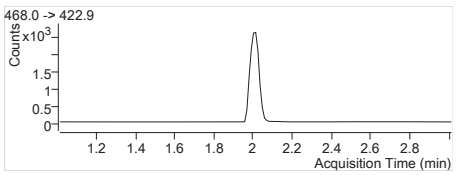
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



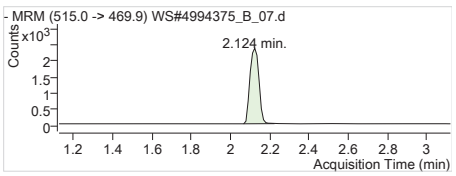


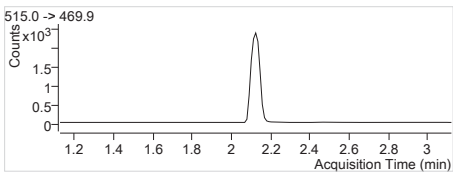
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



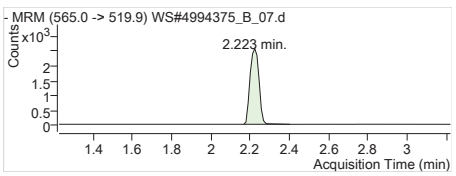


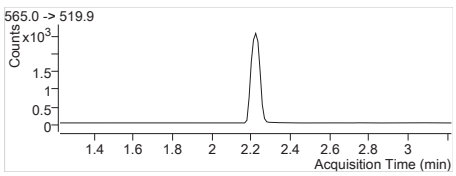
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



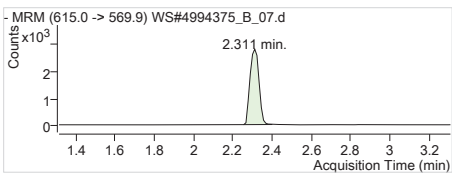


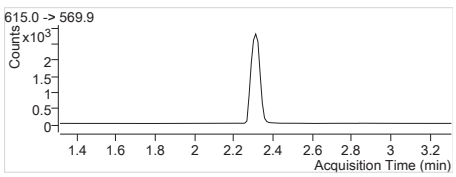
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



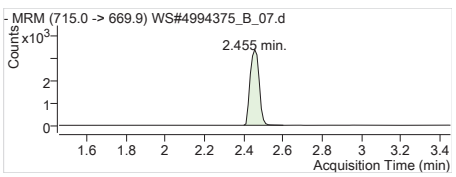


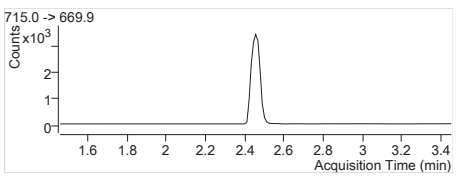
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



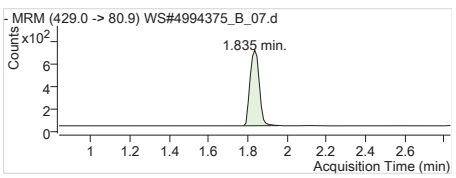


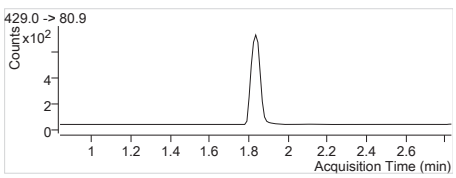
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



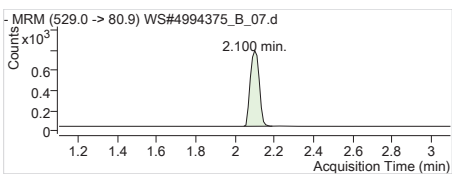


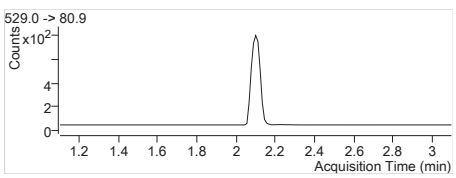
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



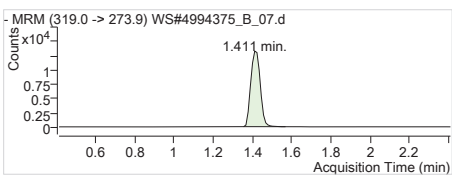


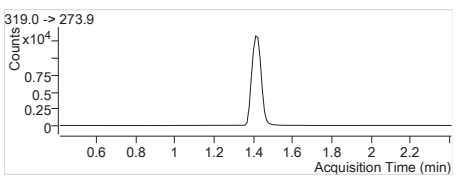
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



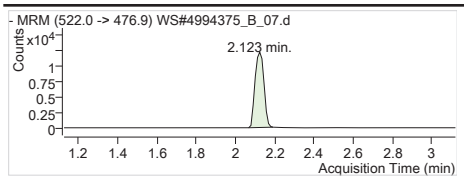


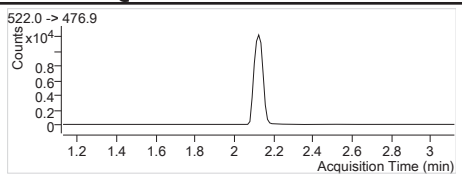
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



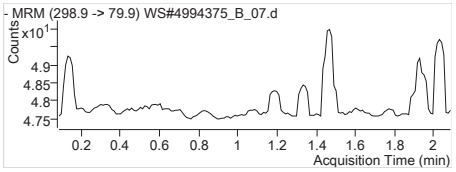


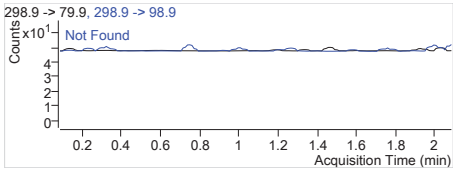
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



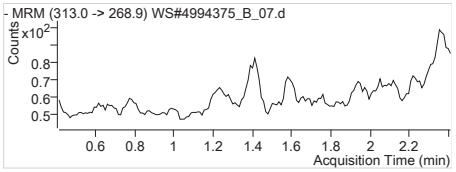


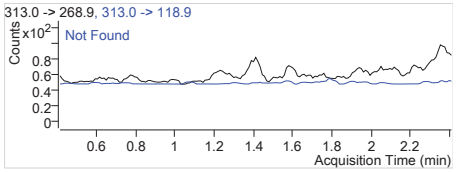
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



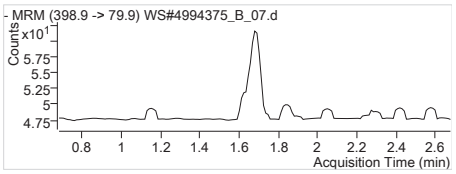


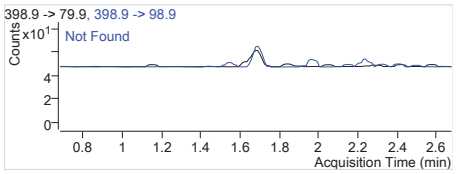
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



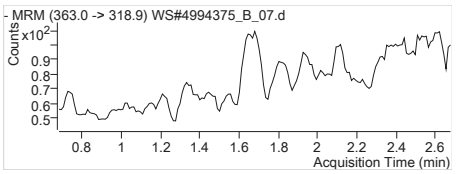


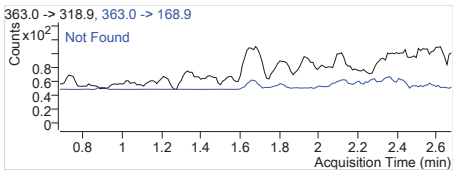
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



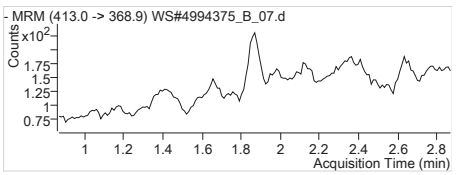


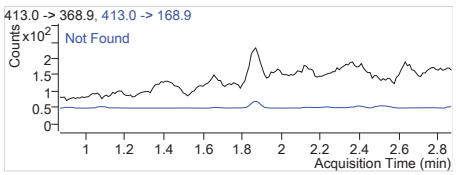
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.679)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



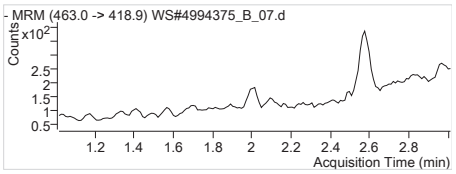


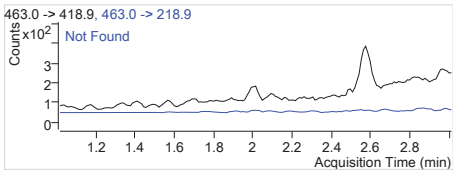
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



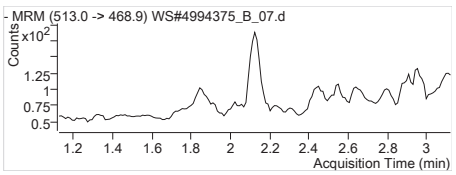


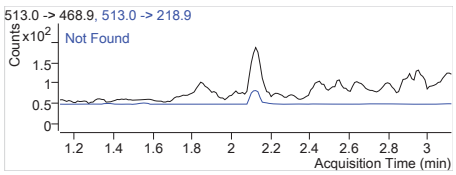
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



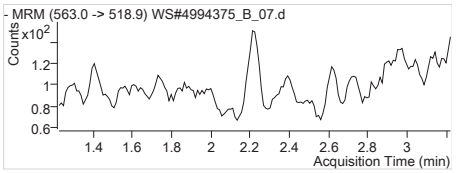


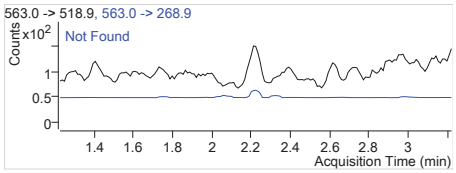
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



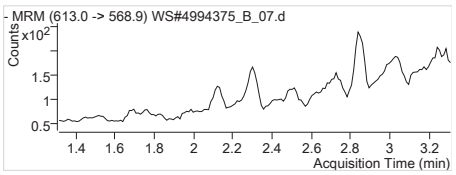


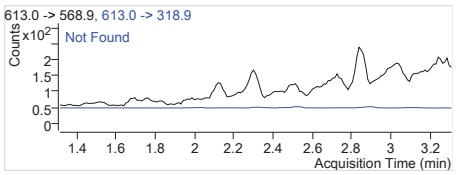
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



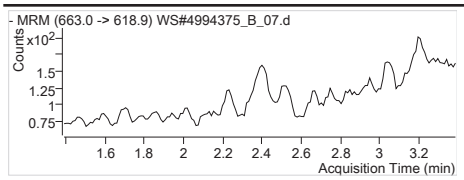


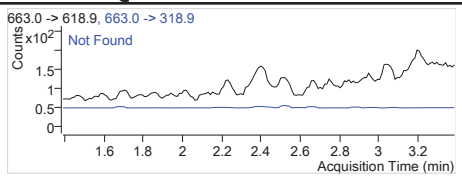
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



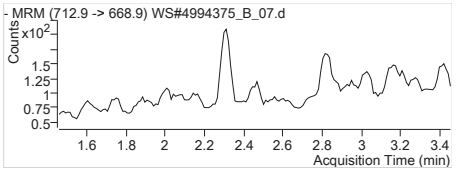


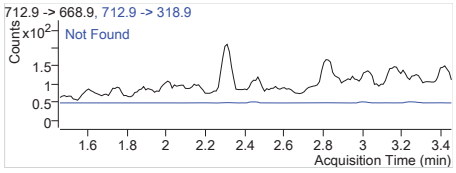
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



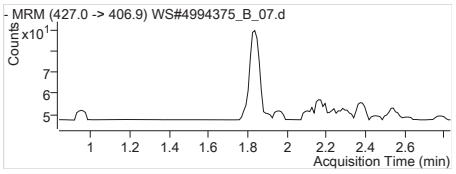


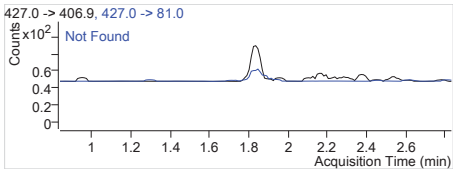
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



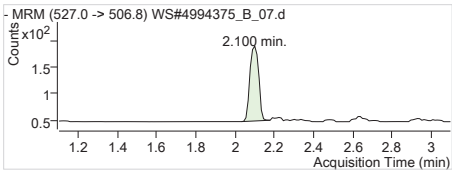


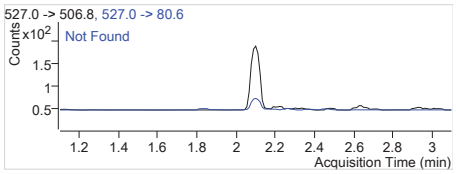
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



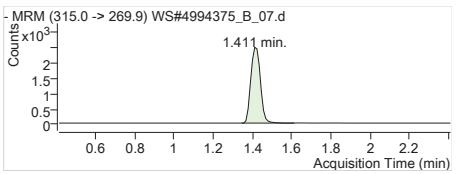


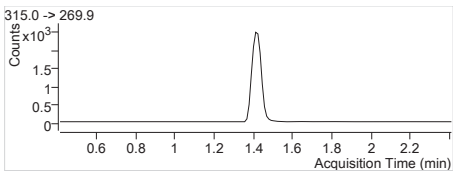
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



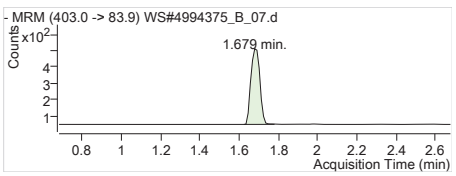


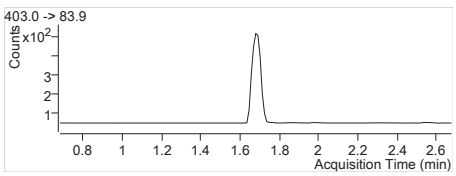
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 56.79 µg/Kg
Area ratio: 0.18464
Sample type: Sample



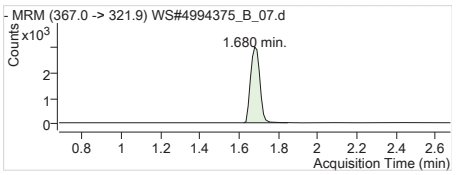


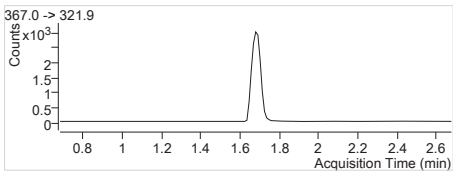
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 90.86 µg/Kg
Area ratio: 0.18868
Sample type: Sample



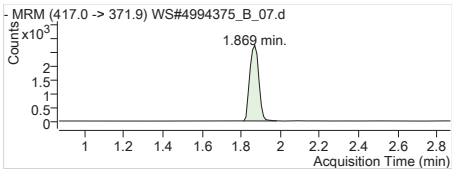


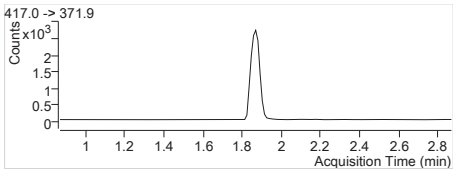
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 95.28 µg/Kg
Area ratio: 0.03340
Sample type: Sample



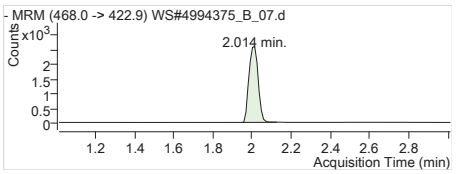


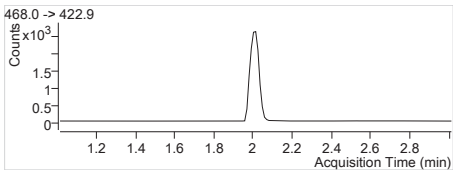
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 100.43 µg/Kg
Area ratio: 0.22092
Sample type: Sample



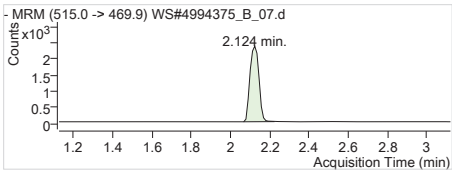


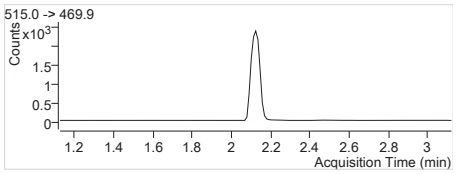
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 95.09 µg/Kg
Area ratio: 0.19590
Sample type: Sample



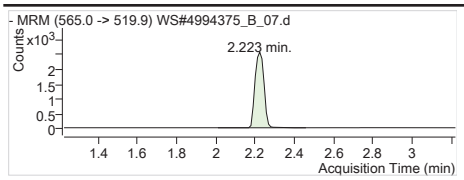


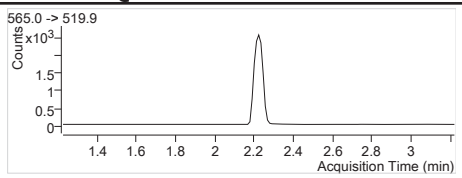
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 93.91 µg/Kg
Area ratio: 0.18989
Sample type: Sample



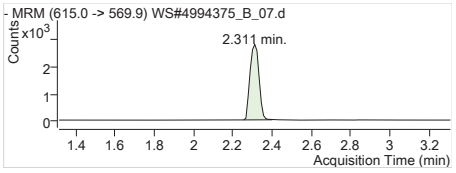


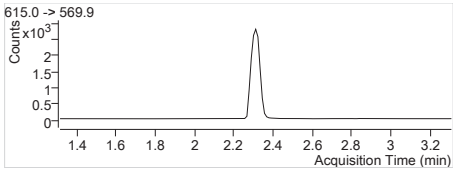
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 93.61 µg/Kg
Area ratio: 0.19452
Sample type: Sample



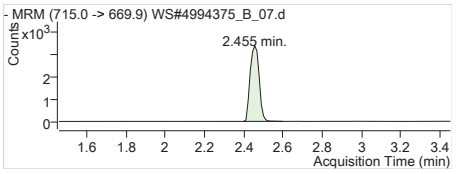


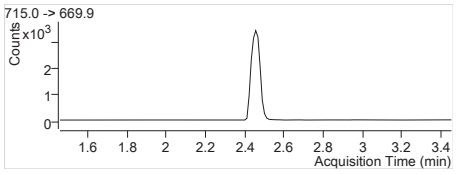
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 90.75 µg/Kg
Area ratio: 0.21033
Sample type: Sample



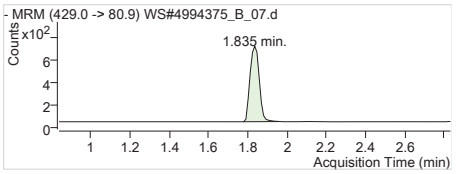


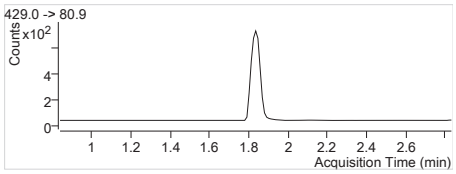
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 89.53 µg/Kg
Area ratio: 0.23000
Sample type: Sample



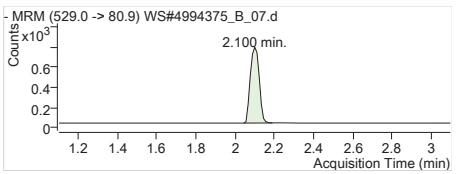


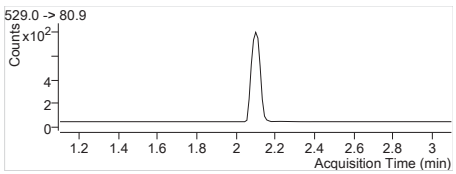
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 85.96 µg/Kg
Area ratio: 0.28262
Sample type: Sample



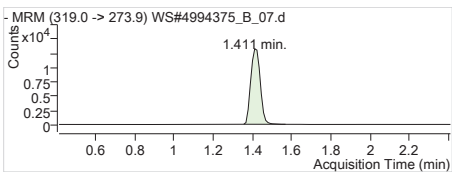


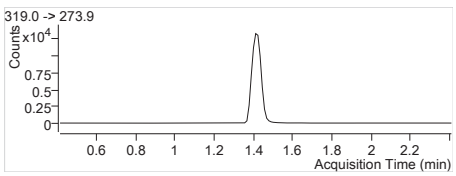
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 95.82 µg/Kg
Area ratio: 0.04983
Sample type: Sample



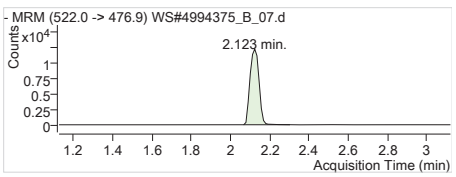


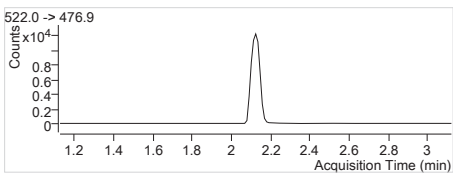
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 105.93 µg/Kg
Area ratio: 0.05378
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 12367.86 µg/Kg
Area ratio: 0
Sample type: Sample





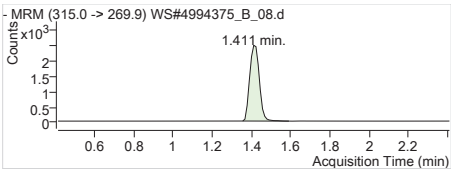
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 12754.22 µg/Kg
Area ratio: 0
Sample type: Sample

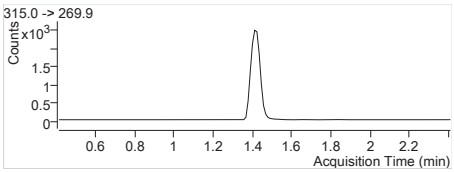
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI406-01:10x**	**Instrument**	LCMS04
Data File	WS#4994375_B_08.d	**Operator**	AD
Sample Type	Sample	**Dilution**	13.942
Acq. Method	PFC_Soil.m	**Position**	P1-D1
Acq. Date	2017/05/30 10:52:47 AM	**Injection Volume**	Per Method
Sample Annotation	Not Used		

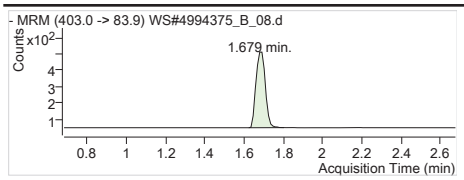
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8326	1.41	1 µg/Kg		
MPFHxS	1540	1.68	1 µg/Kg		
MPFHpA	9241	1.68	1 µg/Kg		
MPFOA	8432	1.87	1 µg/Kg		
MPFNA	8339	2.01	1 µg/Kg		
MPFDA	7375	2.12	1 µg/Kg		
MPFUnA	7617	2.22	1 µg/Kg		
MPFDoA	9032	2.31	1 µg/Kg		
MPFTeDA	10616	2.46	1 µg/Kg		
M2 6:2 FTS	2065	1.83	1 µg/Kg		
M2 8:2 FTS	2081	2.10	1 µg/Kg		
13C6-PFHxA IS	44757	1.41	1 µg/Kg		
13C9-PFDA IS	38934	2.12	1 µg/Kg		

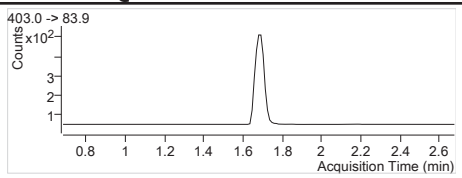
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1	769	1.41	-	3.05 µg/Kg	-
PFHxS 1	501	1.68	-	9.51 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1	2584	2.12	-	10.46 µg/Kg	-
PFUnA 1	852	2.22	-	3.39 µg/Kg	-
PFDoA 1	1058	2.31	-	3.97 µg/Kg	-
PFTrDA 1			-	ND	-
PFTeDA 1	541	2.47	-	0.00 µg/Kg	-
6:2-FTS 1	715	1.84	-	11.07 µg/Kg	-
8:2-FTS 1	3762	2.10	-	74.66 µg/Kg	-
13C2-PFHxA	8326	1.41	-	89.58 µg/Kg	-
18O2-PFHxS	1540	1.68	-	98.16 µg/Kg	-
13C4-PFHpA	9241	1.68	-	93.86 µg/Kg	-
13C4-PFOA	8432	1.87	-	91.45 µg/Kg	-
13C5-PFNA	8339	2.01	-	92.14 µg/Kg	-
13C2-PFDA	7375	2.12	-	91.16 µg/Kg	-
13C2-PFUnA	7682	2.22	-	85.14 µg/Kg	-
13C2-PFDoA	9032	2.31	-	90.30 µg/Kg	-
13C2-PFTeDA	10616	2.46	-	82.94 µg/Kg	-
13C2-6:2-FTS	2065	1.83	-	88.73 µg/Kg	-
13C2-8:2 FTS	2081	2.10	-	91.59 µg/Kg	-
13C6-PFHxA	44757	1.41	-	1249.14 µg/Kg	-
13C9-PFDA	38886	2.12	-	1283.33 µg/Kg	-



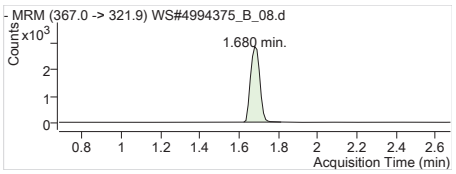


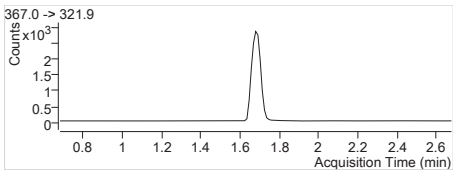
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



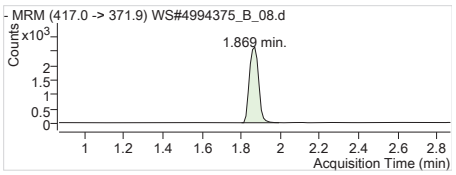


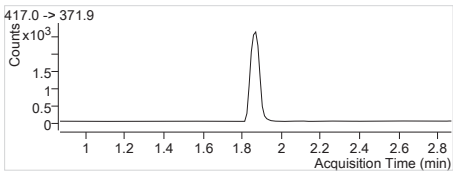
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



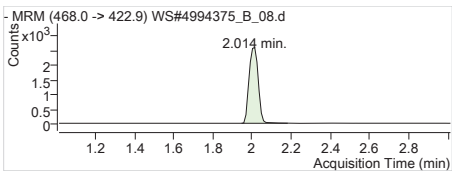


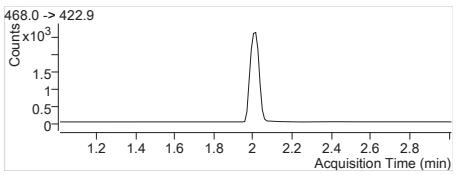
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



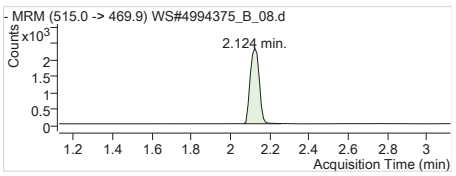


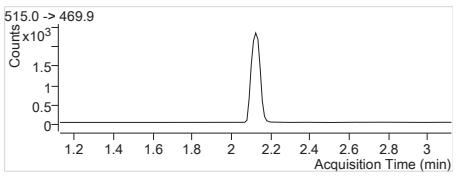
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



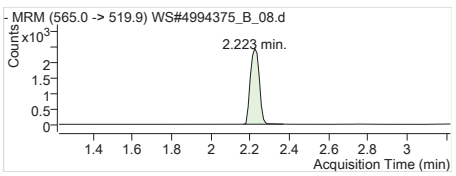


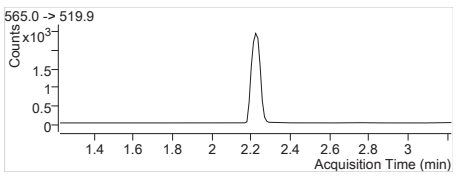
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



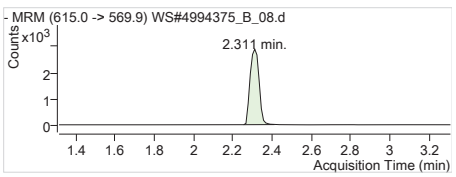


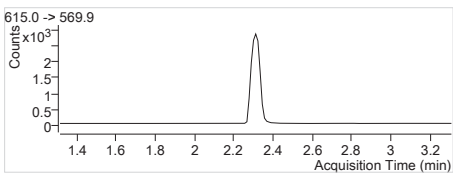
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



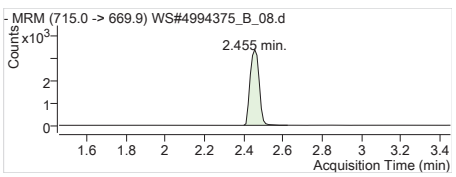


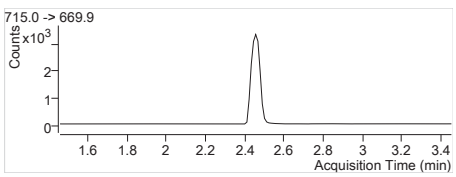
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



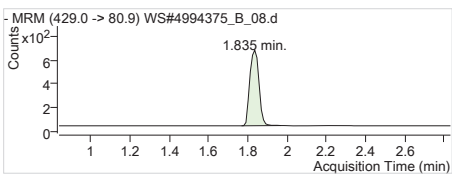


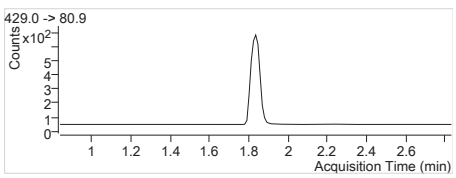
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



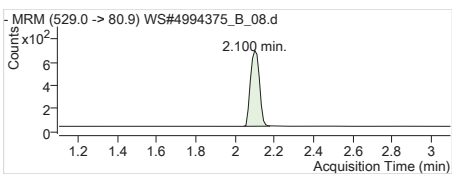


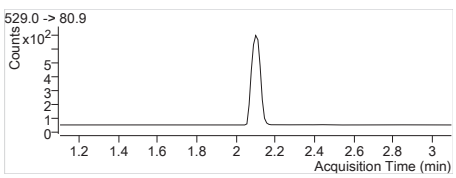
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



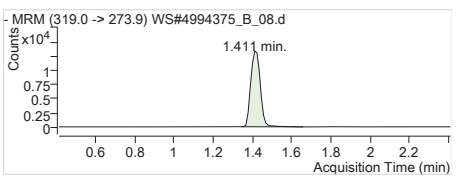


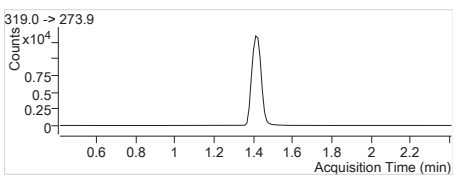
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



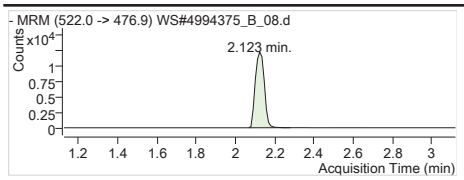


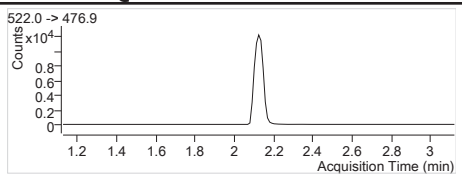
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



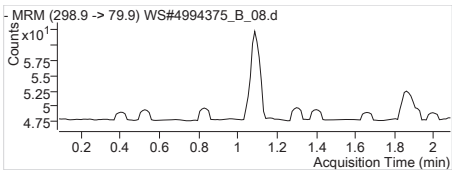


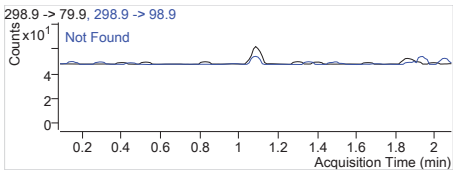
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



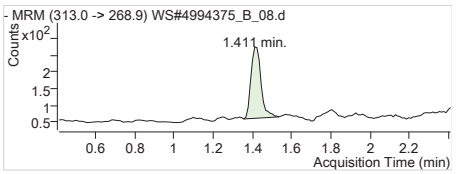


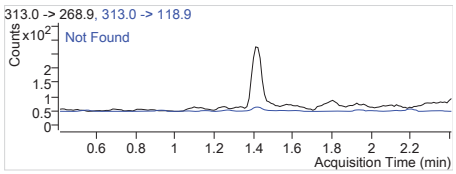
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



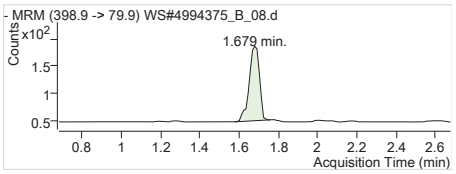


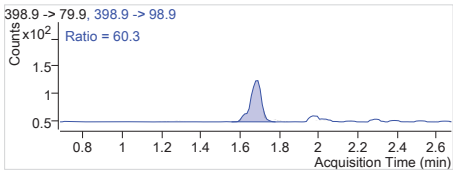
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



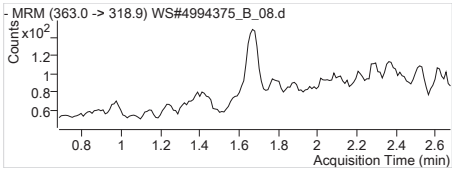


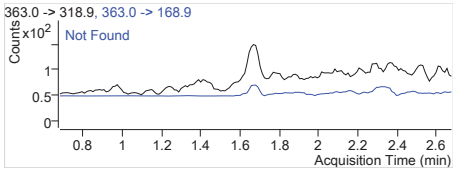
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 3.05 µg/Kg
Area ratio: 0.09236
Sample type: Sample



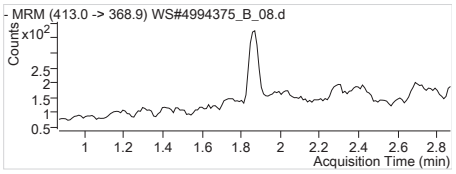


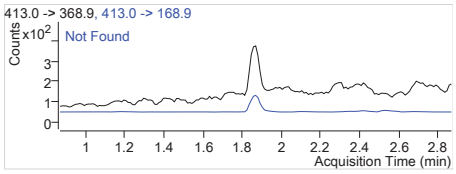
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 9.51 µg/Kg
Area ratio: 0.32532
Sample type: Sample



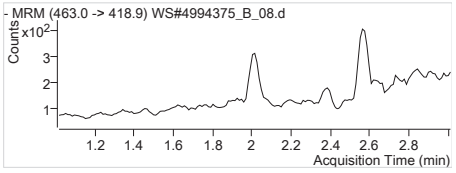


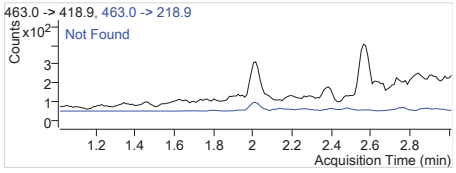
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



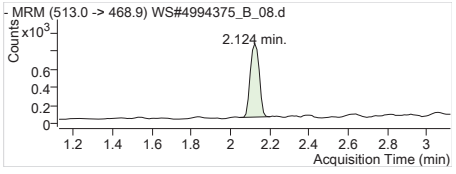


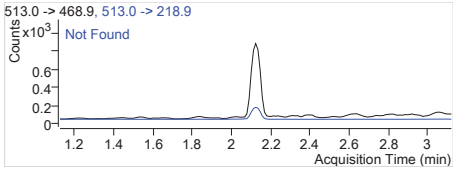
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



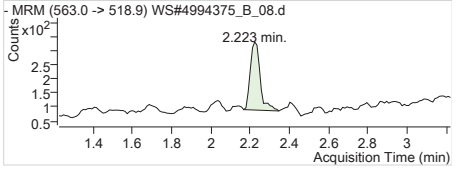


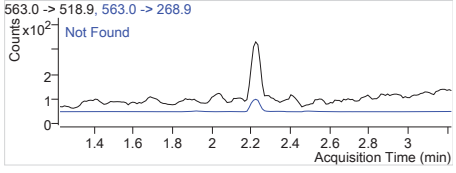
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



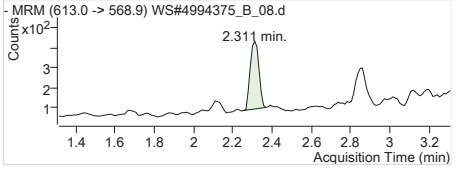


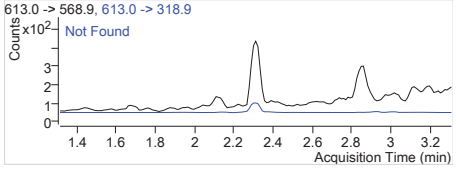
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 10.46 µg/Kg
Area ratio: 0.35037
Sample type: Sample



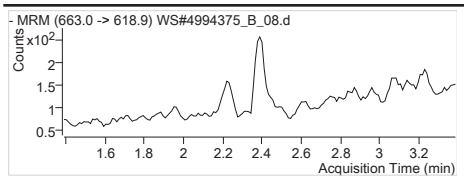


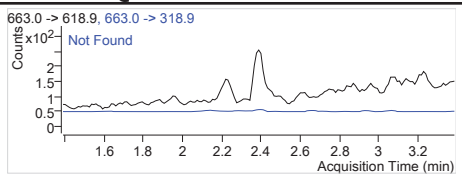
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 3.39 µg/Kg
Area ratio: 0.11186
Sample type: Sample



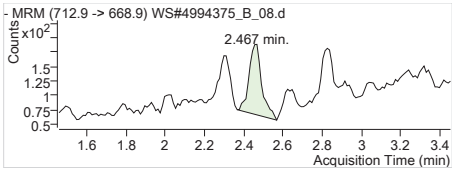


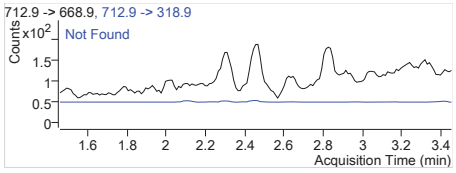
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 3.97 µg/Kg
Area ratio: 0.11714
Sample type: Sample



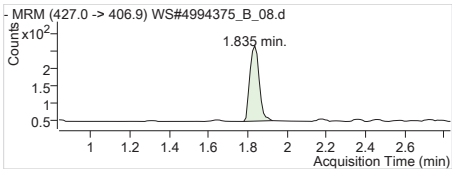


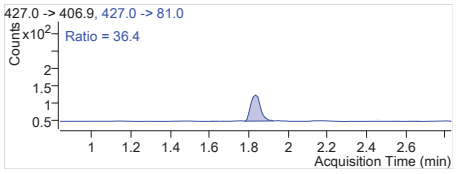
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



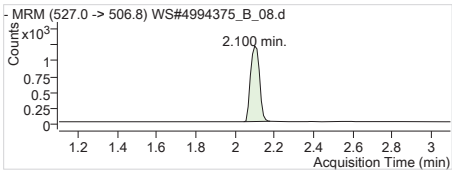


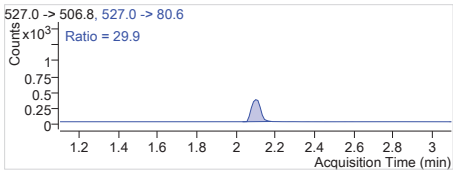
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.467 (2.456)
Calc. conc. 0.00 µg/Kg
Area ratio: 0.05096
Sample type: Sample



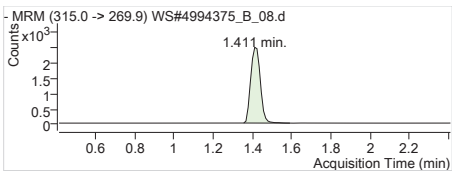


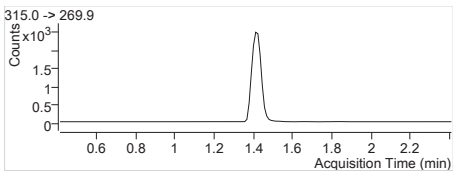
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 11.07 µg/Kg
Area ratio: 0.34625
Sample type: Sample



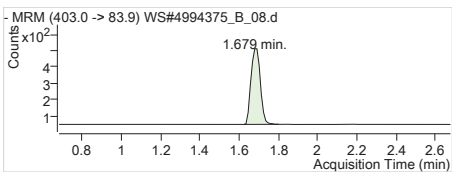


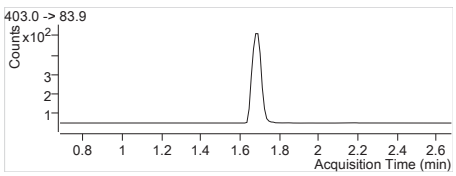
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 74.66 µg/Kg
Area ratio: 1.80778
Sample type: Sample



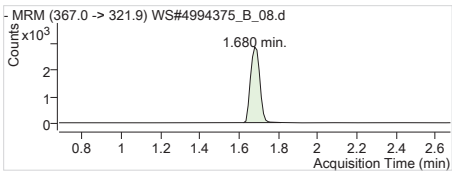


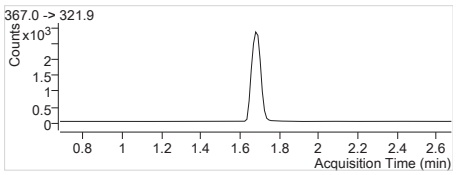
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 89.58 µg/Kg
Area ratio: 0.18603
Sample type: Sample



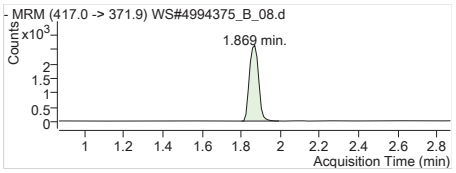


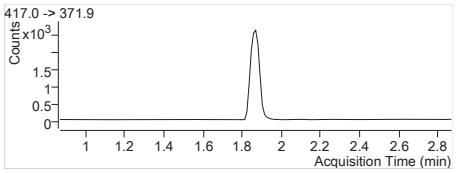
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 98.16 µg/Kg
Area ratio: 0.03441
Sample type: Sample



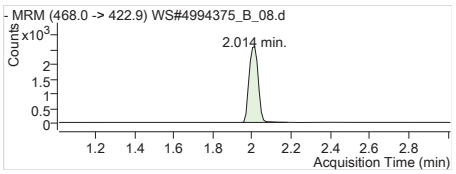


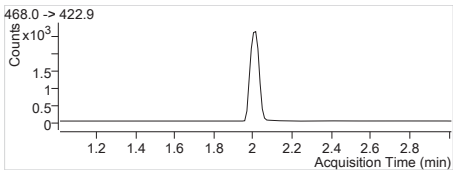
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 93.86 µg/Kg
Area ratio: 0.20647
Sample type: Sample



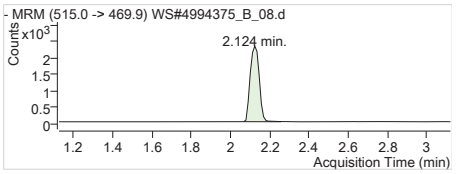


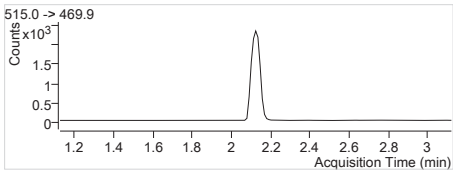
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 91.45 µg/Kg
Area ratio: 0.18840
Sample type: Sample



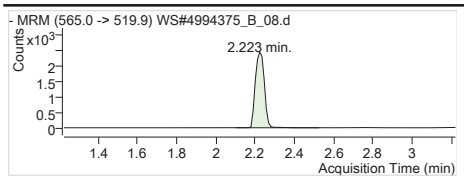


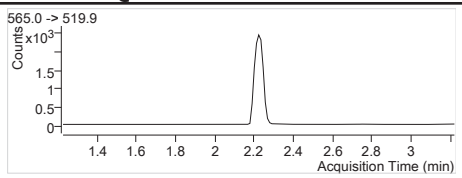
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 92.14 µg/Kg
Area ratio: 0.18632
Sample type: Sample



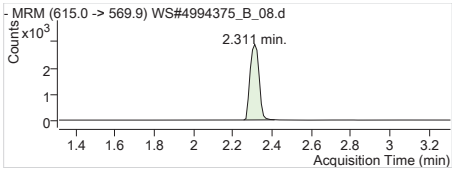


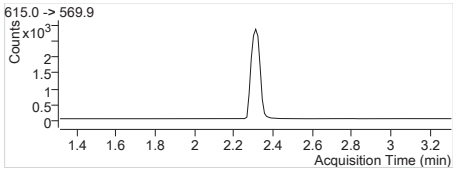
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 91.16 µg/Kg
Area ratio: 0.18942
Sample type: Sample



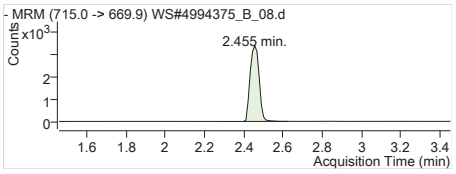


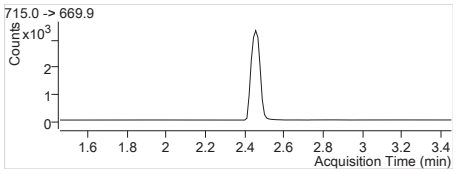
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 85.14 µg/Kg
Area ratio: 0.19731
Sample type: Sample



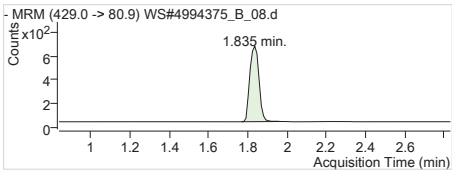


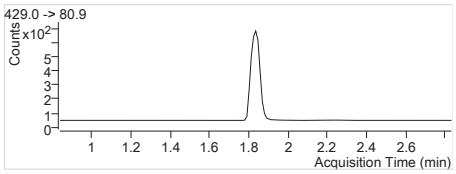
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 90.30 µg/Kg
Area ratio: 0.23198
Sample type: Sample



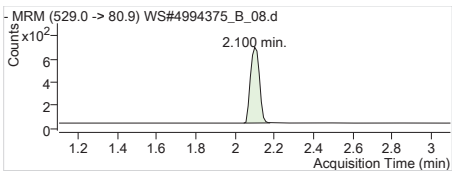


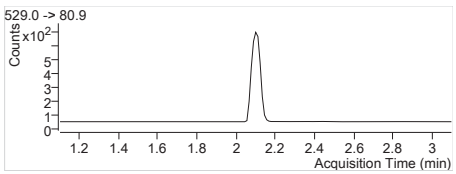
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 82.94 µg/Kg
Area ratio: 0.27267
Sample type: Sample



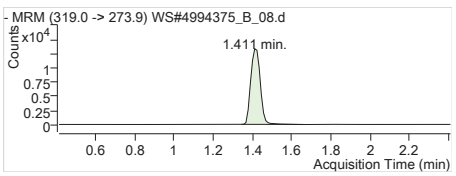


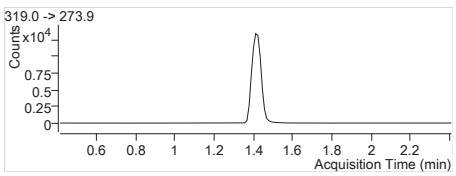
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 88.73 µg/Kg
Area ratio: 0.04614
Sample type: Sample



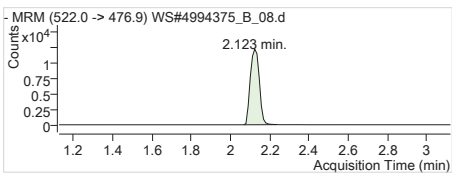


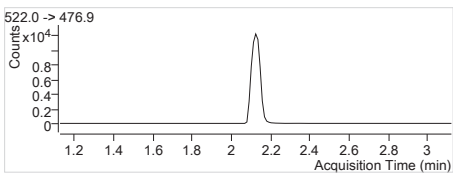
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 91.59 µg/Kg
Area ratio: 0.04650
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 1249.14 µg/Kg
Area ratio: 0
Sample type: Sample





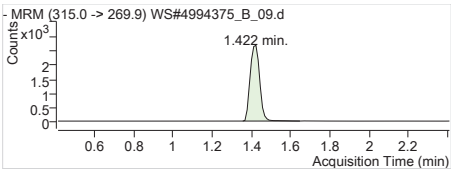
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 1283.33 µg/Kg
Area ratio: 0
Sample type: Sample

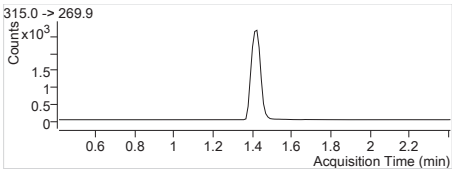
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI406-01**	**Instrument**	LCMS04
Data File	WS#4994375_B_09.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.394
Acq. Method	PFC_Soil.m	**Position**	P1-D2
Acq. Date	2017/05/30 10:57:41 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except PFOS		

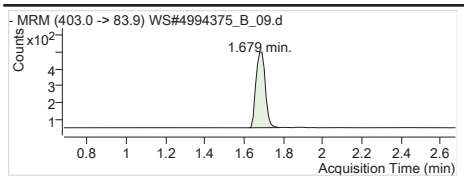
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8927	1.42	1 µg/Kg		
MPFHxS	1497	1.68	1 µg/Kg		
MPFHpA	9582	1.68	1 µg/Kg		
MPFOA	9094	1.87	1 µg/Kg		
MPFNA	8560	2.01	1 µg/Kg		
MPFDA	7290	2.12	1 µg/Kg		
MPFUnA	7166	2.22	1 µg/Kg		
MPFDoA	6733	2.31	1 µg/Kg		
MPFTeDA	6999	2.46	1 µg/Kg		
M2 6:2 FTS	2291	1.83	1 µg/Kg		
M2 8:2 FTS	2378	2.10	1 µg/Kg		
13C6-PFHxA IS	48071	1.42	1 µg/Kg		
13C9-PFDA IS	41238	2.12	1 µg/Kg		

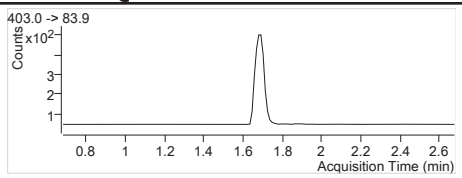
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	95	1.09	-	0.14 µg/Kg	-
PFHxA 1	3943	1.42	-	1.51 µg/Kg	-
PFHxS 1	2992	1.68	-	6.16 µg/Kg	-
PFHpA 1	1389	1.68	-	0.33 µg/Kg	-
PFOA 1	4596	1.87	-	1.63 µg/Kg	-
PFNA 1	2813	2.01	-	1.19 µg/Kg	-
PFDA 1	16050	2.12	-	7.10 µg/Kg	-
PFUnA 1	5383	2.22	-	2.55 µg/Kg	-
PFDoA 1	7382	2.31	-	3.86 µg/Kg	-
PFTrDA 1	1891	2.39	-	0.98 µg/Kg	-
PFTeDA 1	2008	2.46	-	0.96 µg/Kg	-
6:2-FTS 1	4907	1.84	-	8.22 µg/Kg	-
8:2-FTS 1	26395	2.10	-	46.95 µg/Kg	-
13C2-PFHxA	8927	1.42	-	89.43 µg/Kg	-
18O2-PFHxS	1497	1.68	-	88.84 µg/Kg	-
13C4-PFHpA	9582	1.68	-	90.62 µg/Kg	-
13C4-PFOA	9094	1.87	-	91.83 µg/Kg	-
13C5-PFNA	8560	2.01	-	88.06 µg/Kg	-
13C2-PFDA	7290	2.12	-	85.07 µg/Kg	-
13C2-PFUnA	7191	2.22	-	75.24 µg/Kg	-
13C2-PFDoA	6733	2.31	-	63.55 µg/Kg	-
13C2-PFTeDA	6999	2.46	-	51.62 µg/Kg	-
13C2-6:2-FTS	2291	1.83	-	91.65 µg/Kg	-
13C2-8:2 FTS	2378	2.10	-	97.45 µg/Kg	-
13C6-PFHxA	48071	1.42	-	134.14 µg/Kg	-
13C9-PFDA	41787	2.12	-	137.89 µg/Kg	-



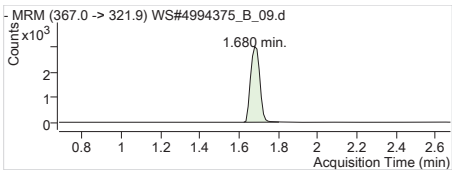


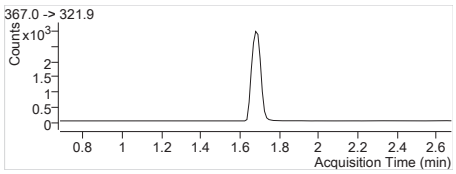
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



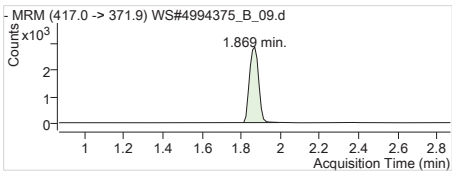


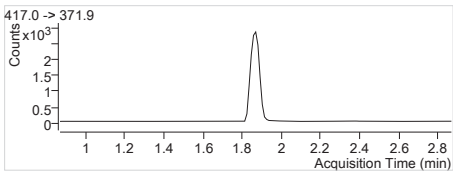
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



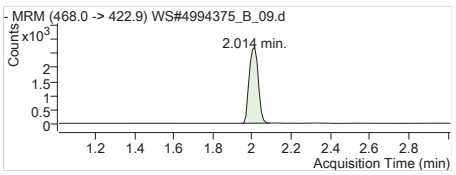


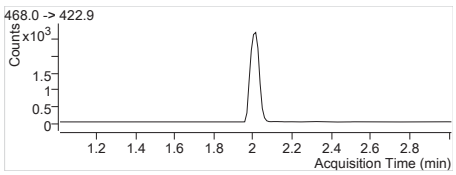
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



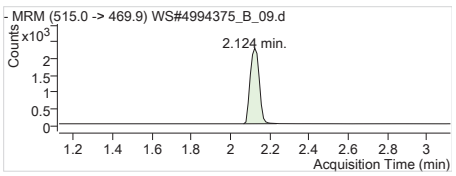


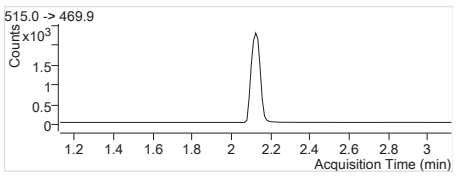
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



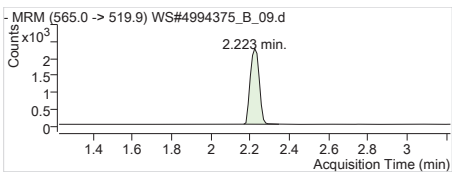


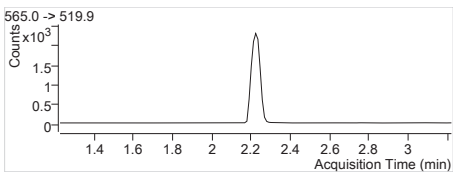
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



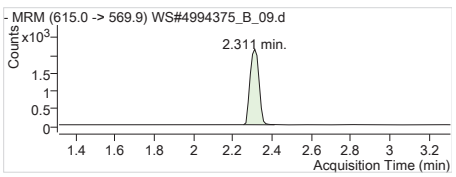


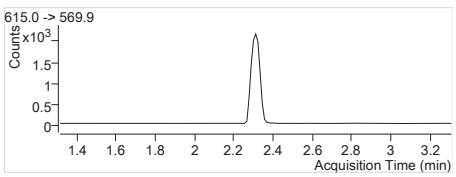
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



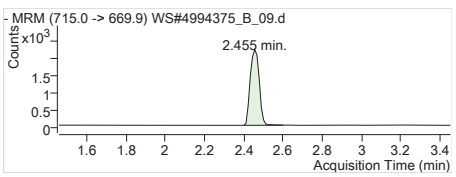


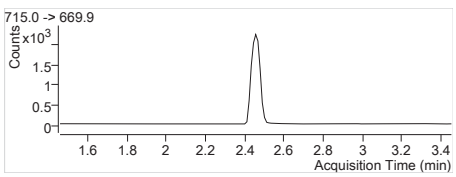
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



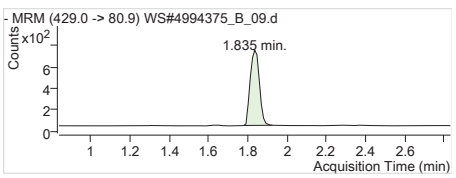


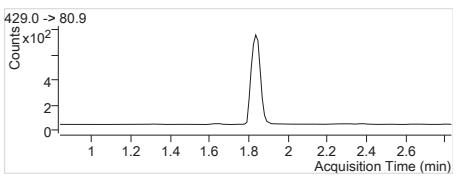
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



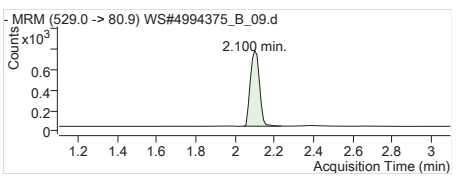


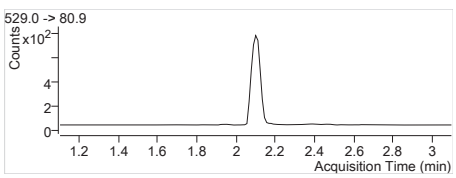
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



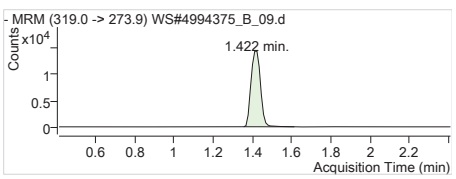


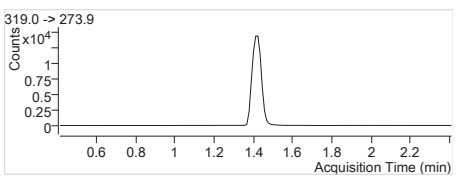
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



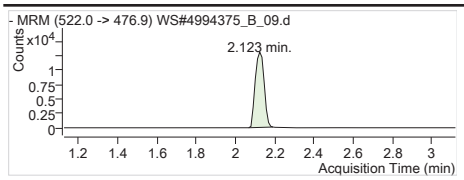


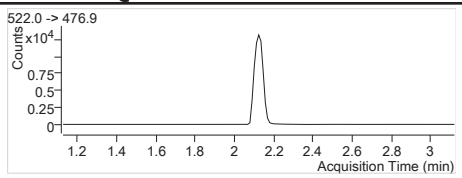
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



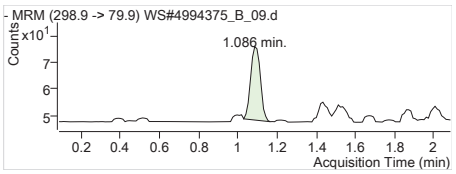


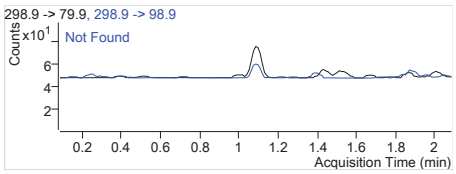
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



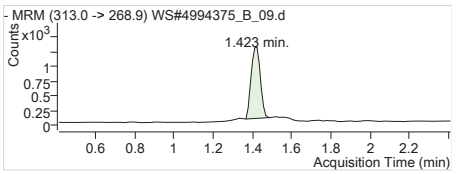


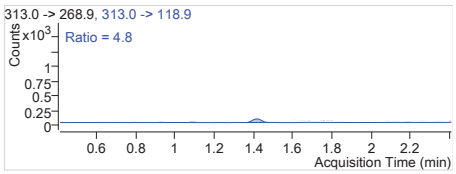
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



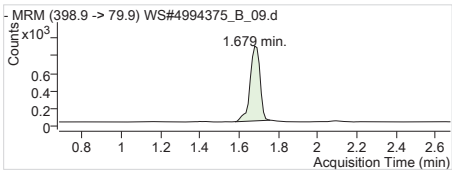


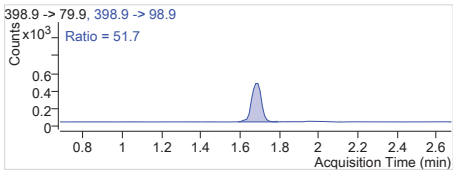
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.086 (1.087)
Calc. conc. 0.14 µg/Kg
Area ratio: 0.06346
Sample type: Sample



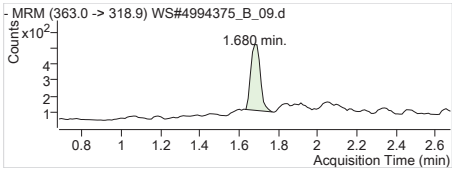


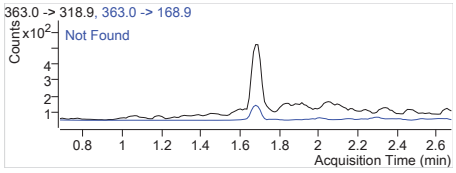
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.423 (1.411)
Calc. conc. 1.51 µg/Kg
Area ratio: 0.44169
Sample type: Sample



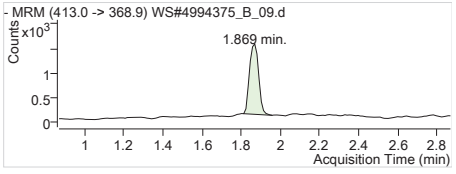


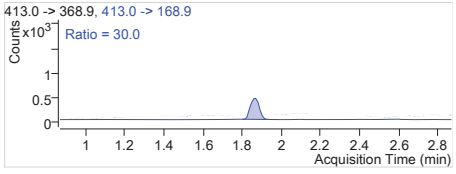
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 6.16 µg/Kg
Area ratio: 1.99866
Sample type: Sample



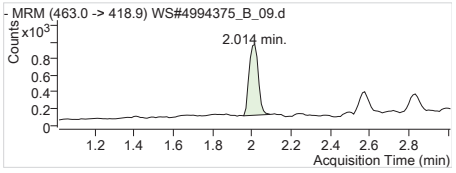


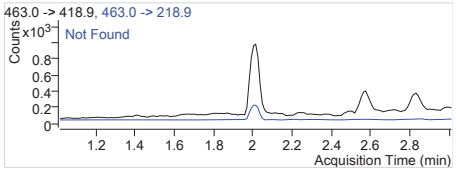
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 0.33 µg/Kg
Area ratio: 0.14496
Sample type: Sample



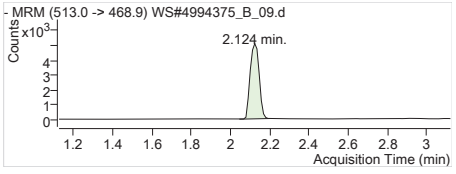


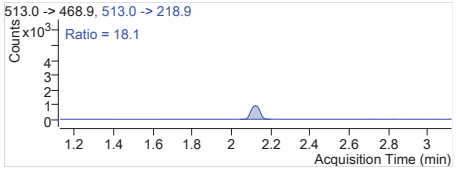
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 1.63 µg/Kg
Area ratio: 0.50539
Sample type: Sample



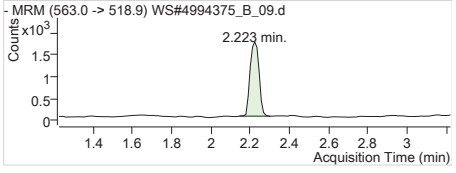


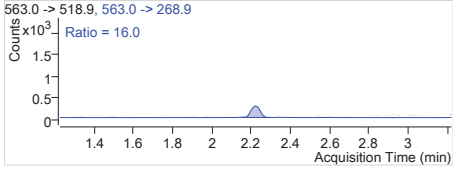
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 1.19 µg/Kg
Area ratio: 0.32862
Sample type: Sample



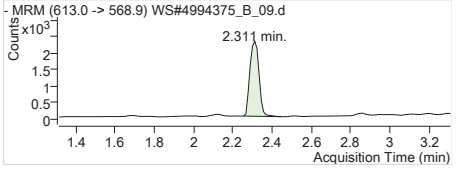


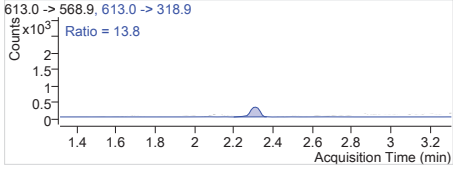
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 7.10 µg/Kg
Area ratio: 2.20165
Sample type: Sample



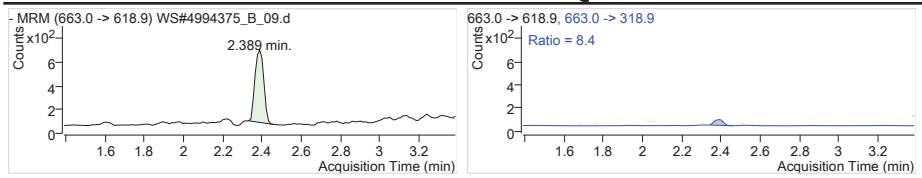


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 2.55 µg/Kg
Area ratio: 0.75119
Sample type: Sample

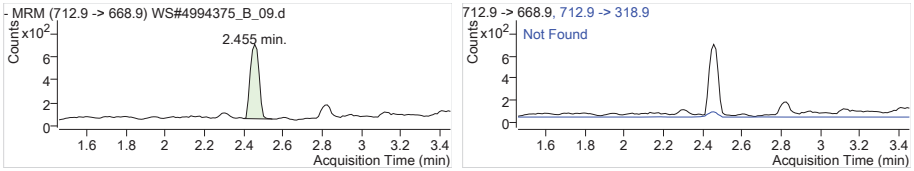




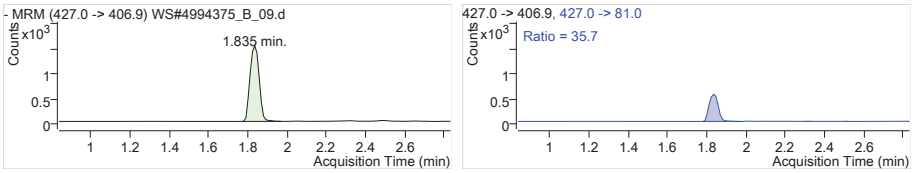
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 3.86 µg/Kg
Area ratio: 1.09639
Sample type: Sample



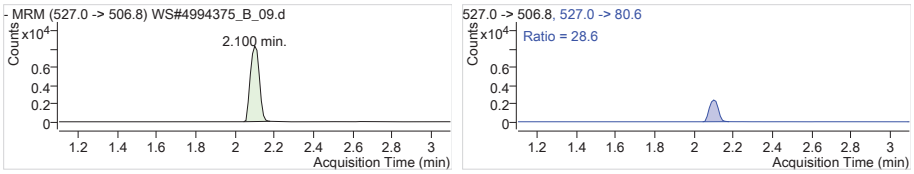
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.389 (2.389)
Calc. conc. 0.98 µg/Kg
Area ratio: 0.27018
Sample type: Sample



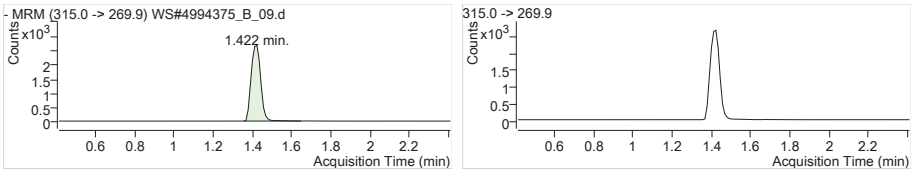
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.456)
Calc. conc. 0.96 µg/Kg
Area ratio: 0.28690
Sample type: Sample



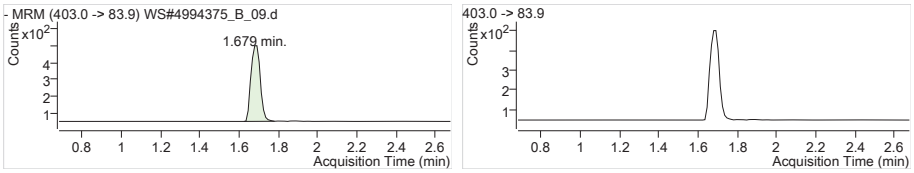
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 8.22 µg/Kg
Area ratio: 2.14186
Sample type: Sample



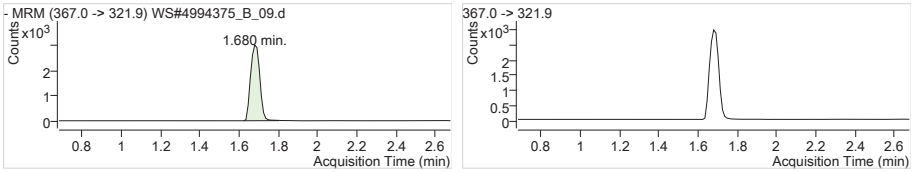
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 46.95 µg/Kg
Area ratio: 11.09966
Sample type: Sample



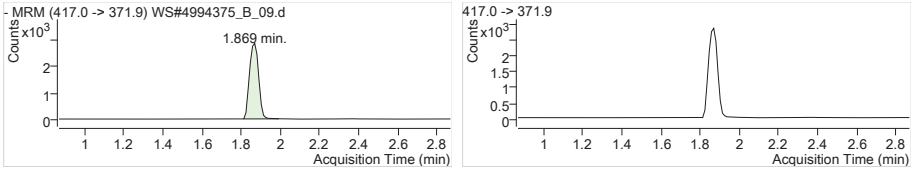
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 89.43 µg/Kg
Area ratio: 0.18570
Sample type: Sample



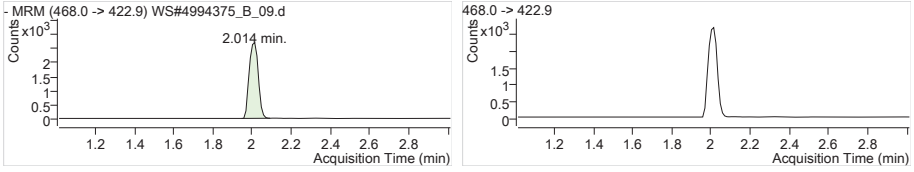
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 88.84 µg/Kg
Area ratio: 0.03114
Sample type: Sample



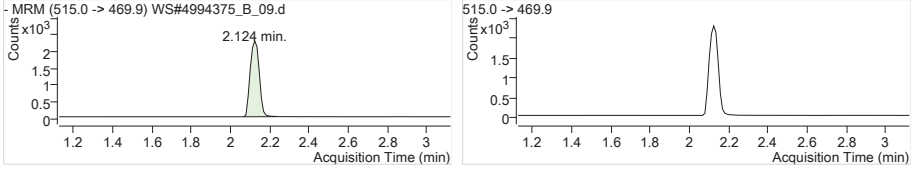
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 90.62 µg/Kg
Area ratio: 0.19933
Sample type: Sample



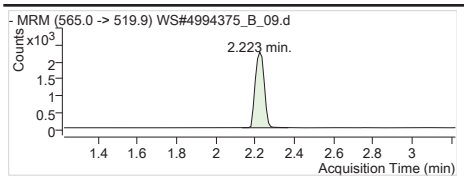
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 91.83 µg/Kg
Area ratio: 0.18918
Sample type: Sample

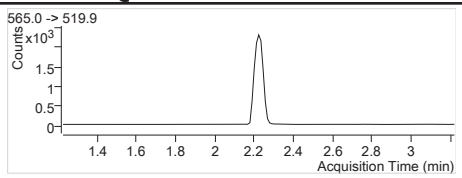


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 88.06 µg/Kg
Area ratio: 0.17807
Sample type: Sample

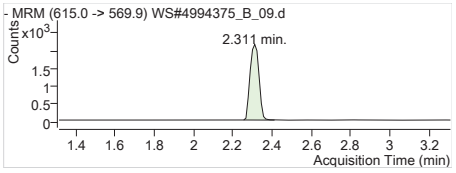


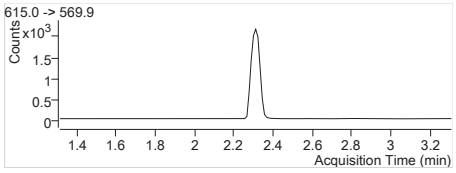
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 85.07 µg/Kg
Area ratio: 0.17678
Sample type: Sample



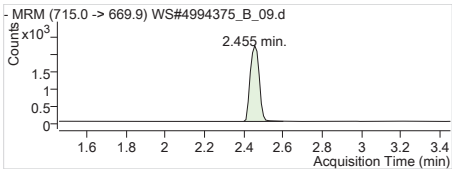


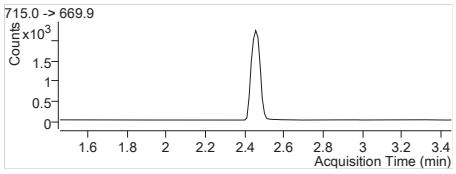
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	75.24 µg/Kg
Area ratio:	0.17438
Sample type:	Sample



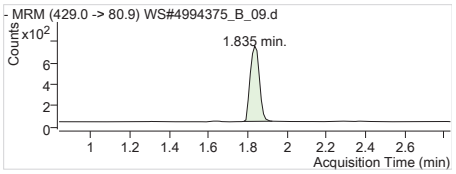


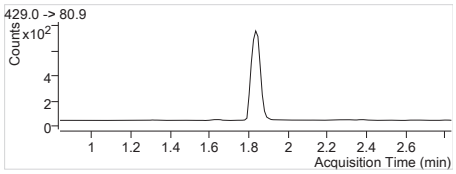
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	63.55 µg/Kg
Area ratio:	0.16327
Sample type:	Sample



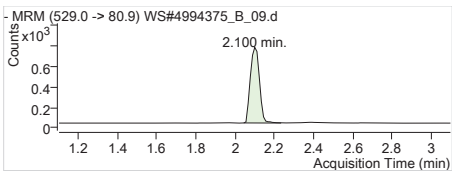


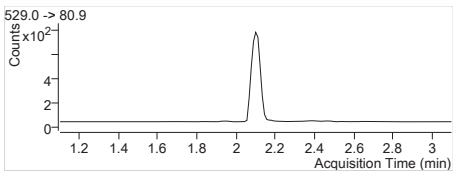
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	51.62 µg/Kg
Area ratio:	0.16972
Sample type:	Sample



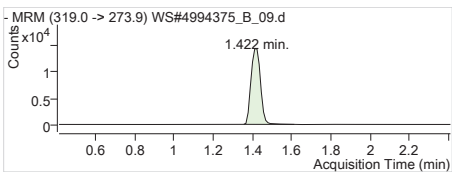


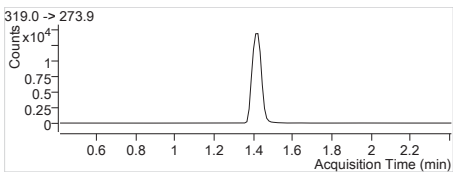
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	91.65 µg/Kg
Area ratio:	0.04766
Sample type:	Sample



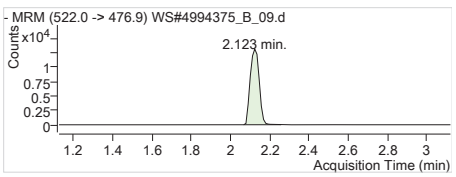


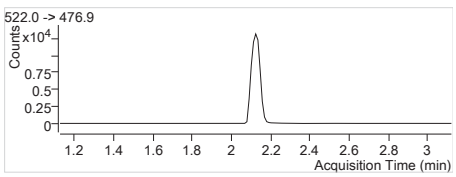
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	97.45 µg/Kg
Area ratio:	0.04947
Sample type:	Sample





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.422 (1.411)
Calc. conc.	134.14 µg/Kg
Area ratio:	0
Sample type:	Sample





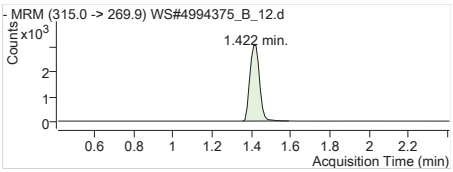
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.124)
Calc. conc.	137.89 µg/Kg
Area ratio:	0
Sample type:	Sample

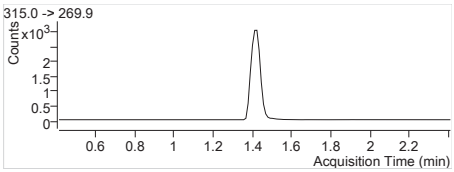
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI414-01**	**Instrument**	LCMS04
Data File	WS#4994375_B_12.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.126
Acq. Method	PFC_Soil.m	**Position**	P1-D3
Acq. Date	2017/05/30 11:12:23 AM	**Injection Volume**	Per Method
Sample Annotation	-		

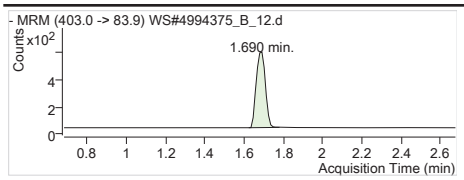
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	10248	1.42	1 µg/Kg		
MPFHxS	1804	1.69	1 µg/Kg		
MPFHpA	10434	1.68	1 µg/Kg		
MPFOA	9962	1.87	1 µg/Kg		
MPFNA	9815	2.00	1 µg/Kg		
MPFDA	8248	2.12	1 µg/Kg		
MPFUnA	8830	2.22	1 µg/Kg		
MPFDoA	9426	2.31	1 µg/Kg		
MPFTeDA	12060	2.46	1 µg/Kg		
M2 6:2 FTS	2774	1.83	1 µg/Kg		
M2 8:2 FTS	2487	2.10	1 µg/Kg		
13C6-PFHxA IS	56077	1.41	1 µg/Kg		
13C9-PFDA IS	47182	2.12	1 µg/Kg		

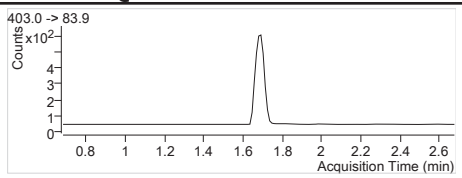
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	310	1.68	-	0.38 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1055	1.87	-	0.27 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	1317	1.84	-	1.31 µg/Kg	-
8:2-FTS 1	452	2.10	-	0.45 µg/Kg	-
13C2-PFHxA	10248	1.42	-	88.01 µg/Kg	-
18O2-PFHxS	1804	1.69	-	91.77 µg/Kg	-
13C4-PFHpA	10434	1.68	-	84.59 µg/Kg	-
13C4-PFOA	9962	1.87	-	86.23 µg/Kg	-
13C5-PFNA	9815	2.00	-	86.56 µg/Kg	-
13C2-PFDA	8248	2.12	-	84.12 µg/Kg	-
13C2-PFUnA	8876	2.22	-	81.17 µg/Kg	-
13C2-PFDoA	9426	2.31	-	77.76 µg/Kg	-
13C2-PFTeDA	12060	2.46	-	77.75 µg/Kg	-
13C2-6:2-FTS	2774	1.83	-	95.13 µg/Kg	-
13C2-8:2 FTS	2487	2.10	-	87.37 µg/Kg	-
13C6-PFHxA	56077	1.41	-	126.40 µg/Kg	-
13C9-PFDA	47842	2.12	-	127.52 µg/Kg	-



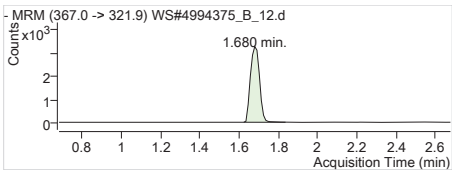


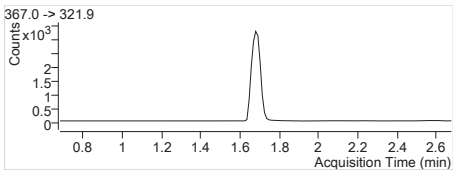
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



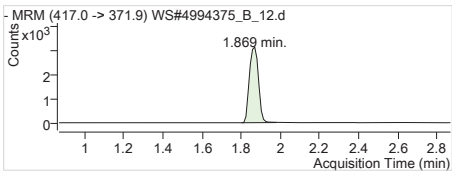


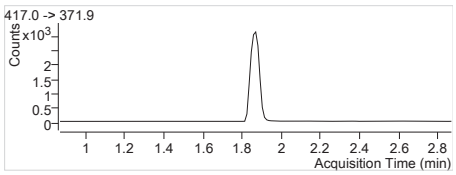
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



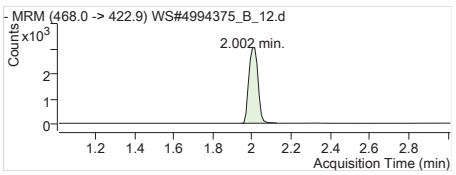


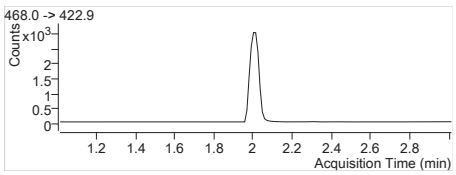
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



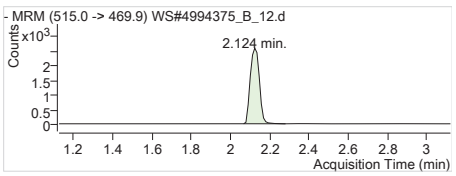


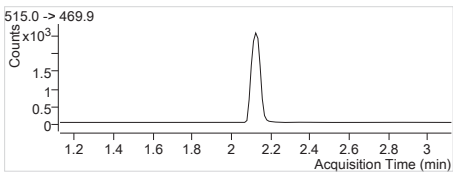
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



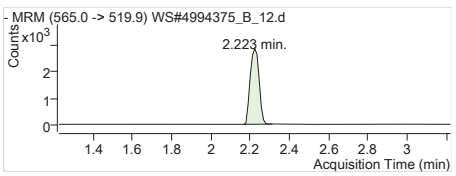


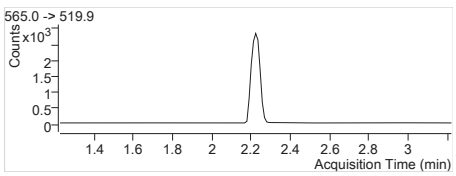
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



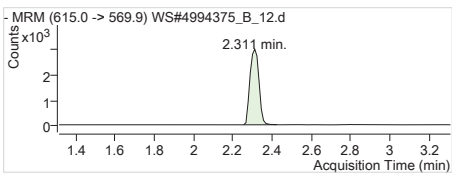


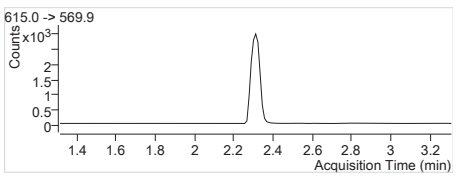
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



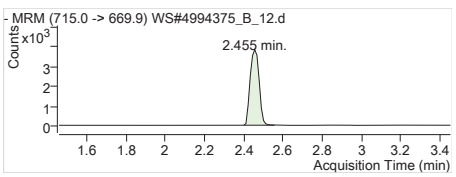


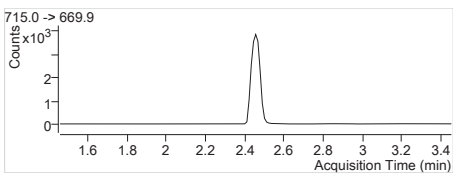
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



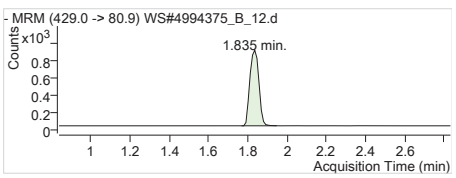


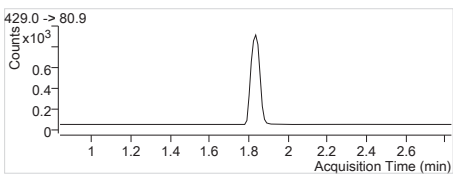
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



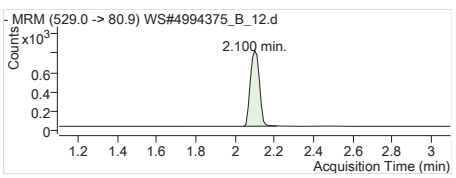


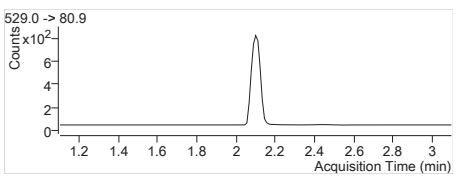
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



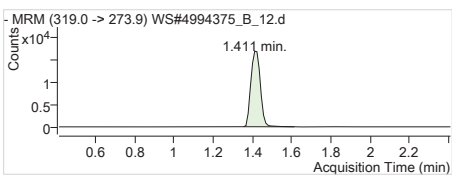


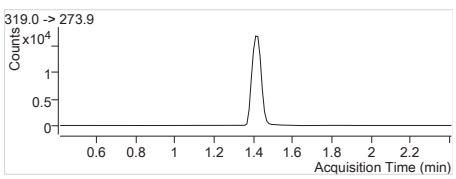
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



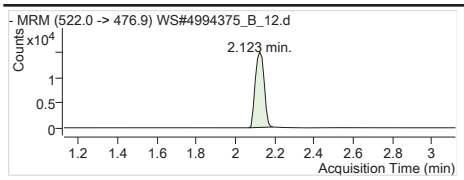


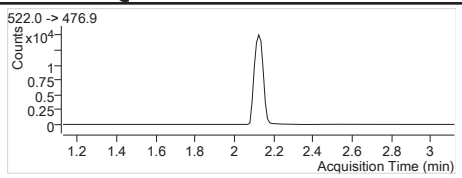
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



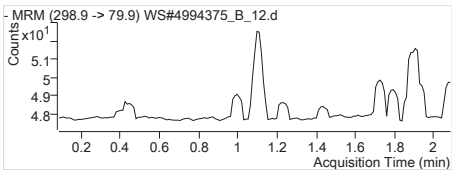


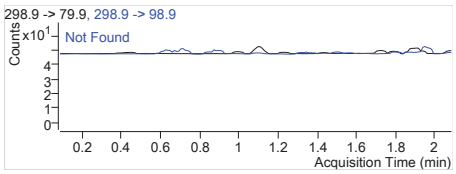
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



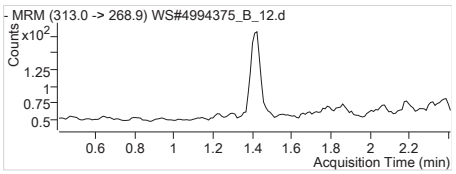


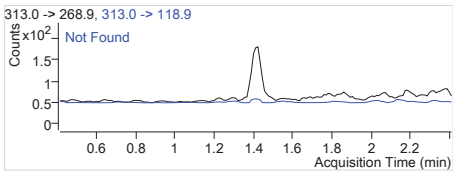
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



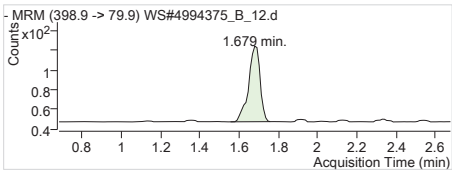


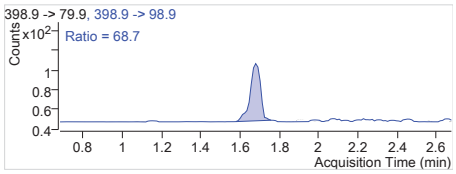
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



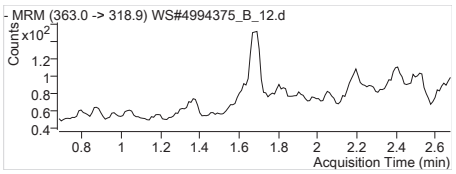


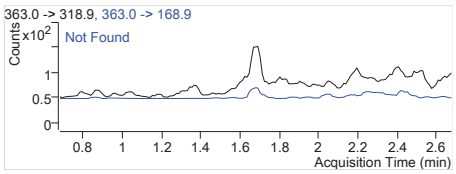
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



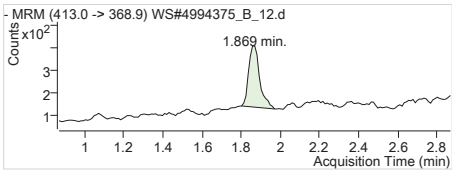


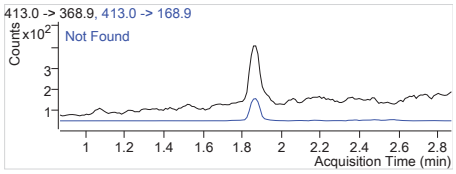
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 0.38 µg/Kg
Area ratio: 0.17184
Sample type: Sample



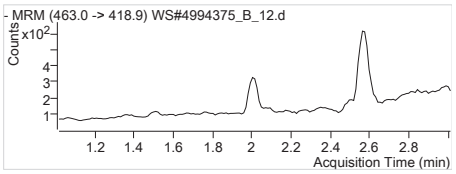


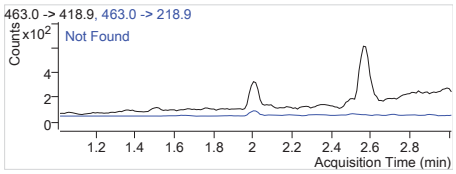
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



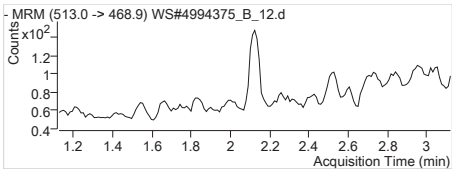


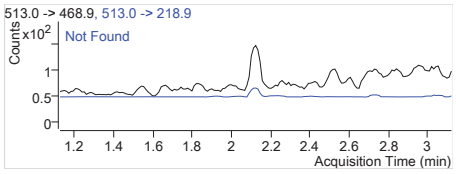
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.27 µg/Kg
Area ratio: 0.10590
Sample type: Sample



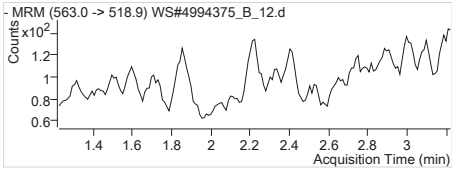


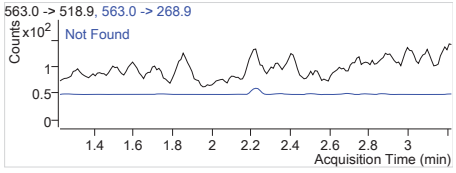
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



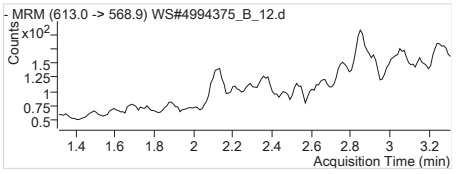


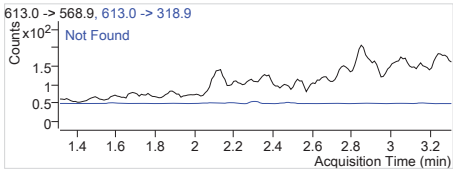
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



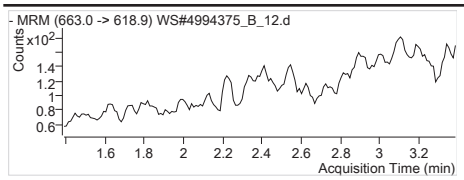


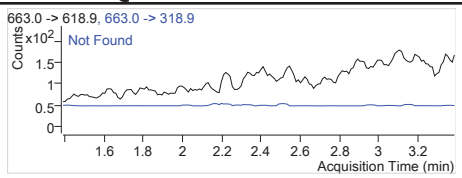
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



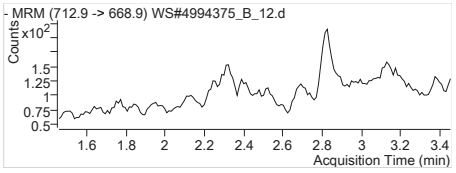


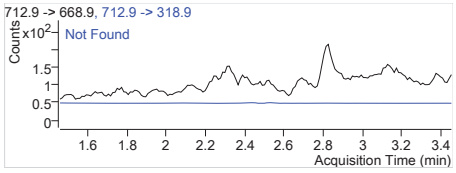
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



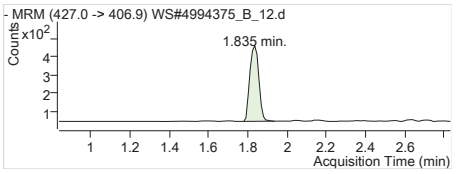


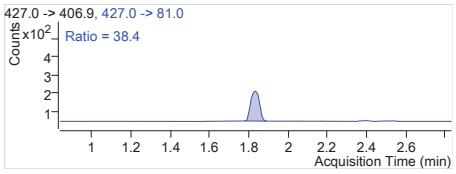
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



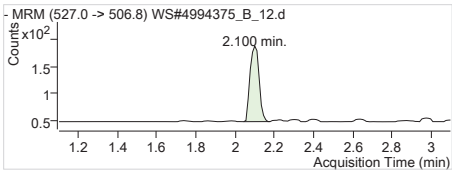


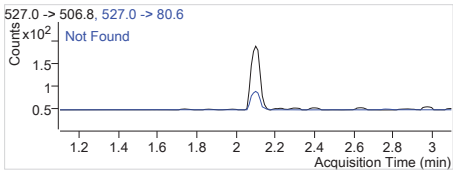
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



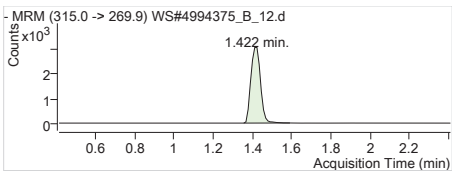


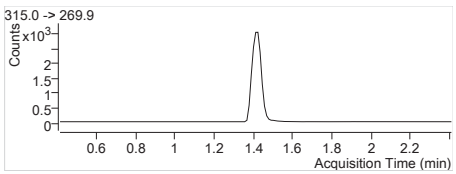
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 1.31 µg/Kg
Area ratio: 0.47477
Sample type: Sample



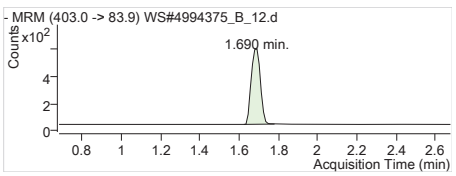


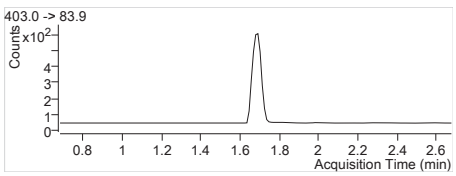
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 0.45 µg/Kg
Area ratio: 0.18175
Sample type: Sample



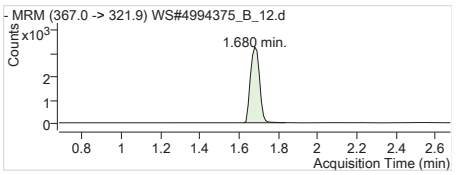


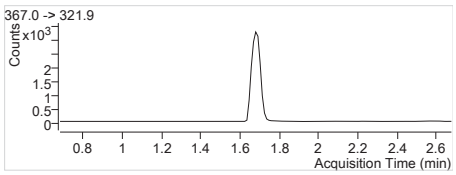
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 88.01 µg/Kg
Area ratio: 0.18275
Sample type: Sample



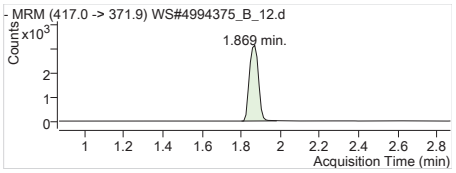


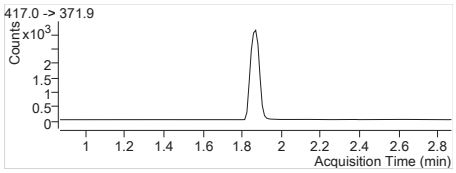
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 91.77 µg/Kg
Area ratio: 0.03217
Sample type: Sample



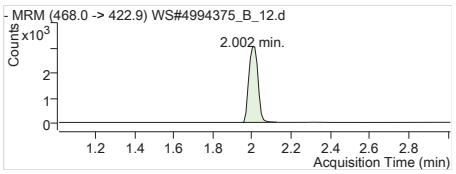


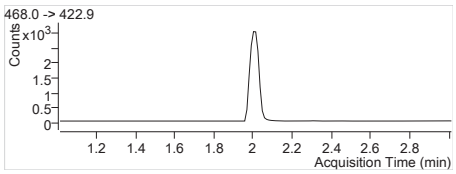
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 84.59 µg/Kg
Area ratio: 0.18607
Sample type: Sample



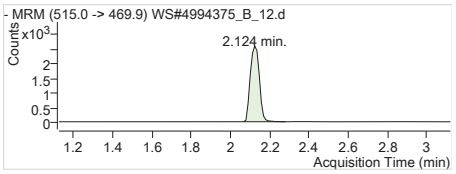


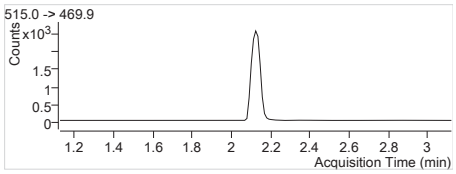
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 86.23 µg/Kg
Area ratio: 0.17765
Sample type: Sample



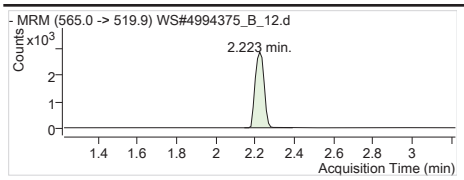


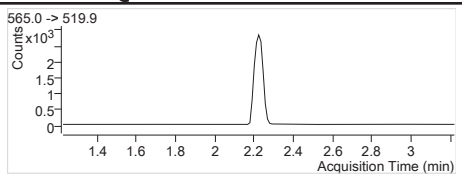
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.014)
Calc. conc. 86.56 µg/Kg
Area ratio: 0.17503
Sample type: Sample



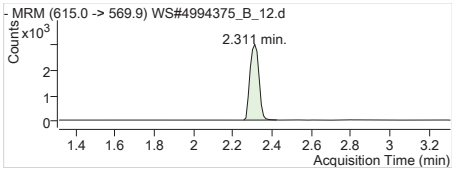


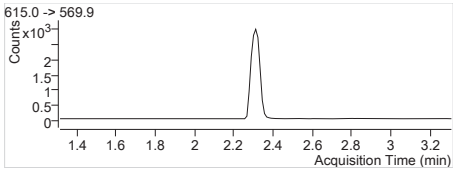
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 84.12 µg/Kg
Area ratio: 0.17481
Sample type: Sample



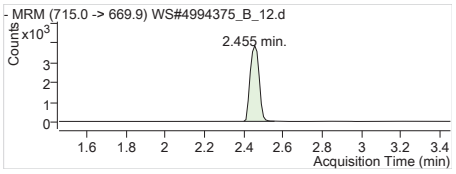


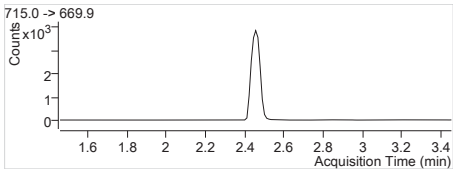
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 81.17 µg/Kg
Area ratio: 0.18812
Sample type: Sample



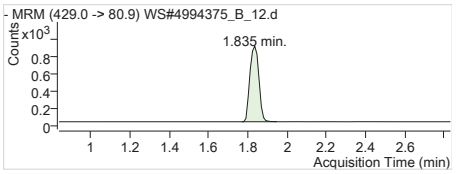


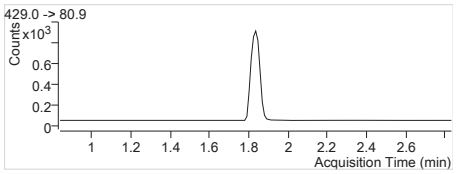
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 77.76 µg/Kg
Area ratio: 0.19978
Sample type: Sample



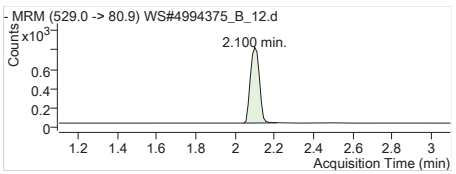


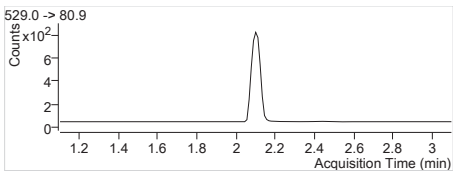
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 77.75 µg/Kg
Area ratio: 0.25561
Sample type: Sample



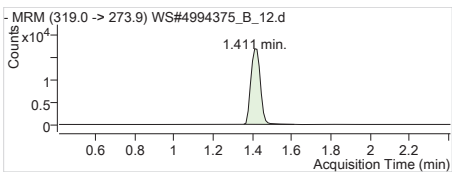


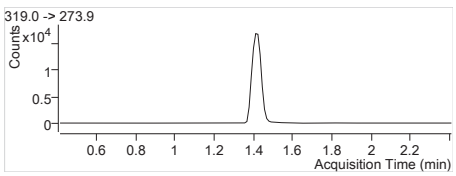
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 95.13 µg/Kg
Area ratio: 0.04947
Sample type: Sample



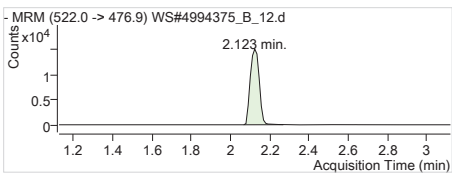


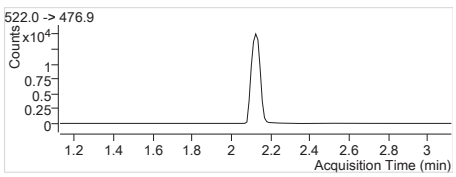
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 87.37 µg/Kg
Area ratio: 0.04435
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 126.40 µg/Kg
Area ratio: 0
Sample type: Sample





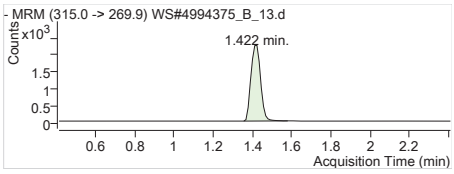
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 127.52 µg/Kg
Area ratio: 0
Sample type: Sample

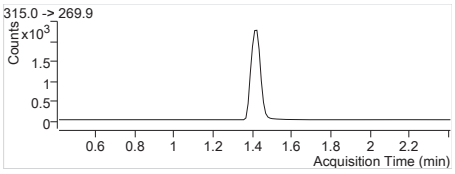
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI415-01:100x**	**Instrument**	LCMS04
Data File	WS#4994375_B_13.d	**Operator**	AD
Sample Type	Sample	**Dilution**	133.333
Acq. Method	PFC_Soil.m	**Position**	P1-D4
Acq. Date	2017/05/30 11:17:17 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS		

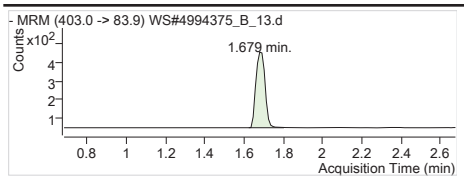
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7664	1.42	1 µg/Kg		
MPFHxS	1330	1.68	1 µg/Kg		
MPFHpA	8410	1.68	1 µg/Kg		
MPFOA	8095	1.87	1 µg/Kg		
MPFNA	8079	2.01	1 µg/Kg		
MPFDA	6609	2.12	1 µg/Kg		
MPFUnA	8132	2.22	1 µg/Kg		
MPFDoA	8184	2.31	1 µg/Kg		
MPFTeDA	10709	2.46	1 µg/Kg		
M2 6:2 FTS	2226	1.83	1 µg/Kg		
M2 8:2 FTS	2146	2.10	1 µg/Kg		
13C6-PFHxA IS	46002	1.41	1 µg/Kg		
13C9-PFDA IS	40741	2.12	1 µg/Kg		

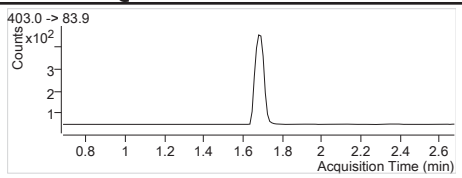
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	479	1.68	-	101.32 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	409	1.84	-	44.38 µg/Kg	-
8:2-FTS 1	479	2.10	-	69.98 µg/Kg	-
13C2-PFHxA	7664	1.42	-	80.23 µg/Kg	-
18O2-PFHxS	1330	1.68	-	82.48 µg/Kg	-
13C4-PFHpA	8410	1.68	-	83.11 µg/Kg	-
13C4-PFOA	8095	1.87	-	85.42 µg/Kg	-
13C5-PFNA	8079	2.01	-	86.85 µg/Kg	-
13C2-PFDA	6609	2.12	-	78.06 µg/Kg	-
13C2-PFUnA	8163	2.22	-	86.46 µg/Kg	-
13C2-PFDoA	8184	2.31	-	78.19 µg/Kg	-
13C2-PFTeDA	10709	2.46	-	79.95 µg/Kg	-
13C2-6:2-FTS	2226	1.83	-	93.05 µg/Kg	-
13C2-8:2 FTS	2146	2.10	-	91.90 µg/Kg	-
13C6-PFHxA	46002	1.41	-	12278.34 µg/Kg	-
13C9-PFDA	40741	2.12	-	12858.51 µg/Kg	-



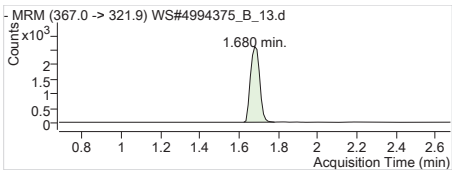


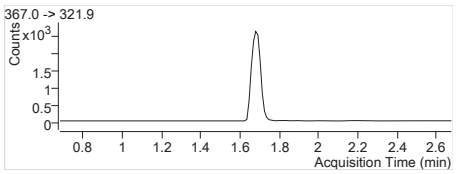
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



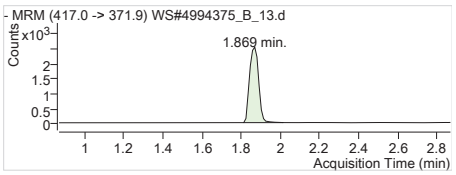


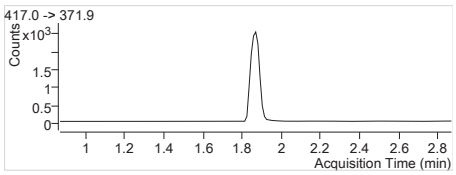
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



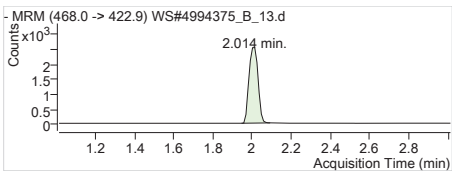


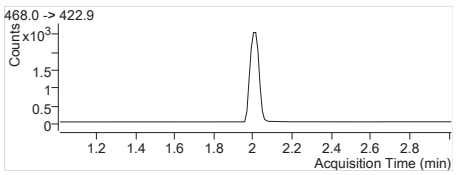
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



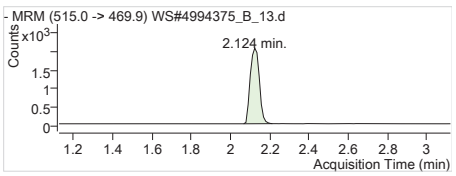


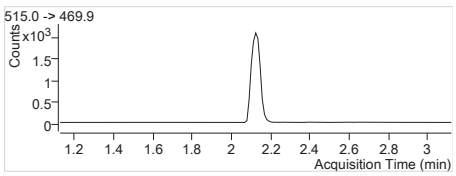
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



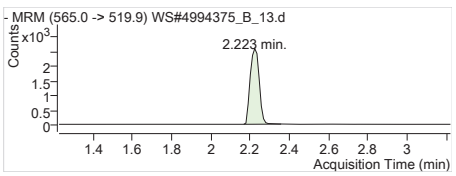


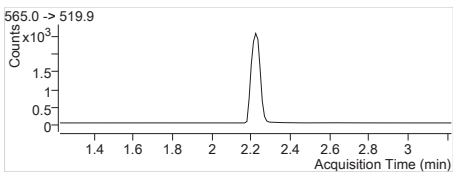
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



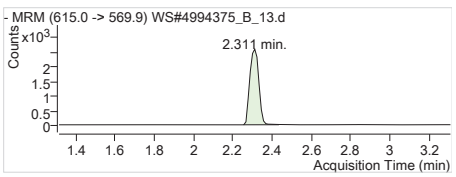


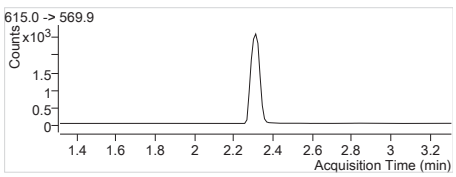
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



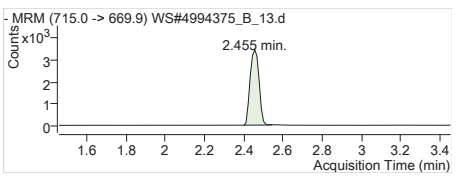


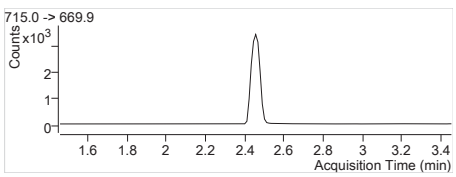
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



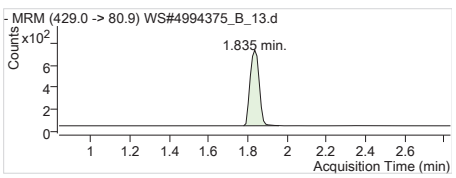


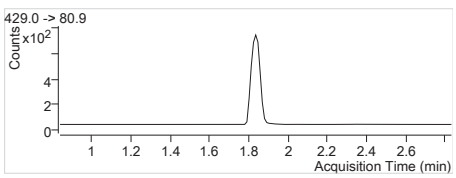
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



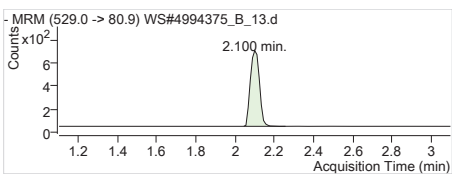


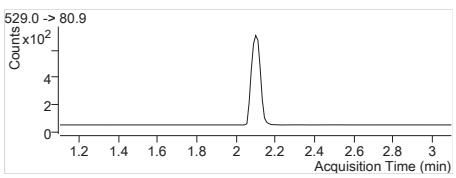
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



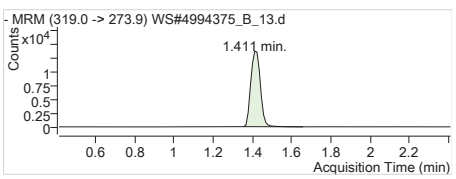


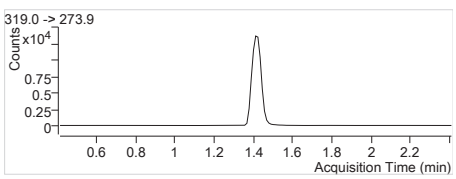
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



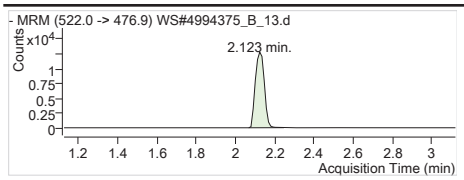


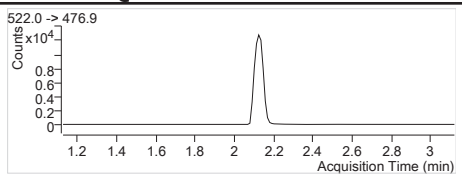
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



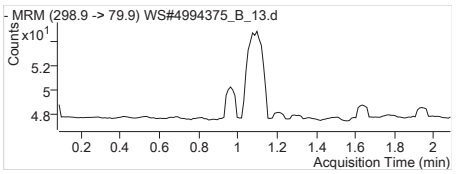


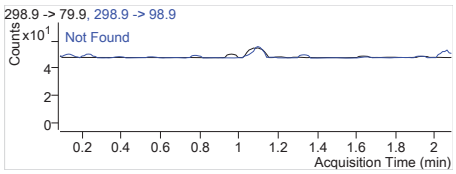
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



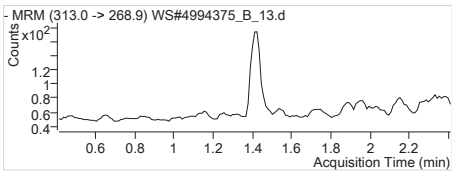


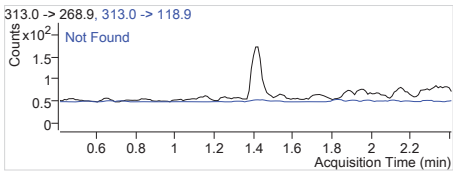
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



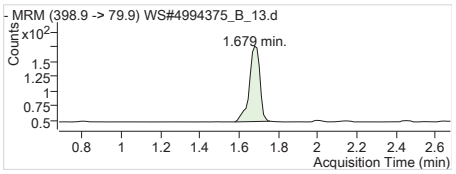


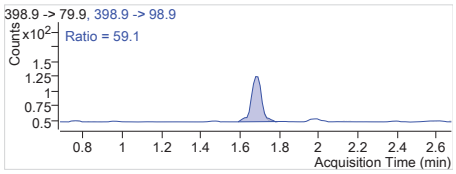
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



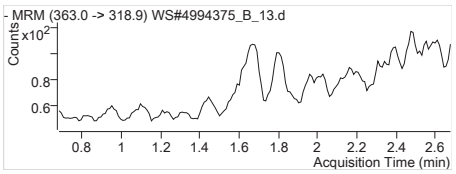


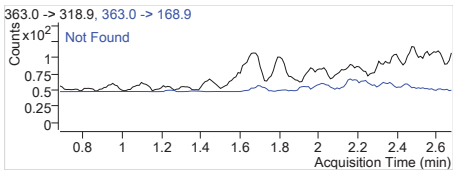
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



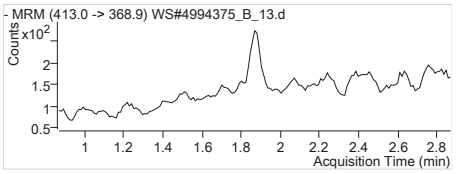


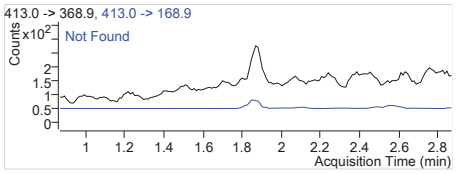
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 101.32 µg/Kg
Area ratio: 0.36015
Sample type: Sample



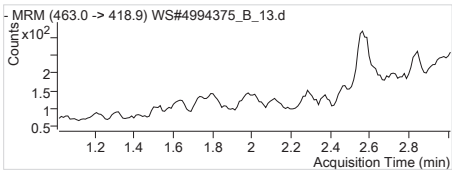


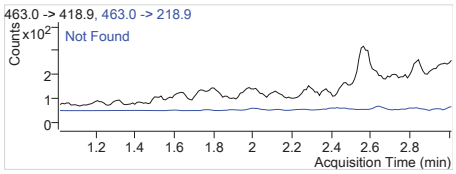
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



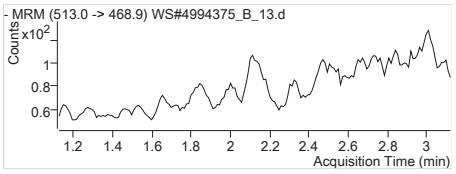


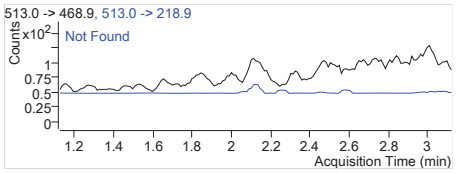
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



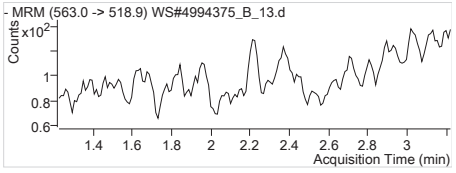


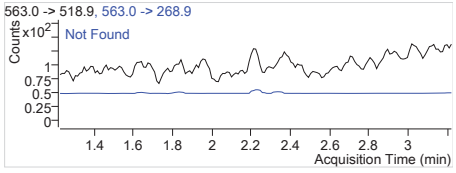
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



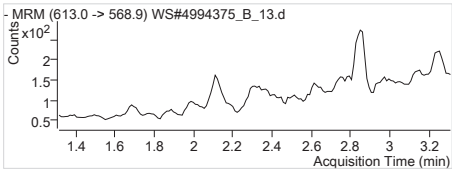


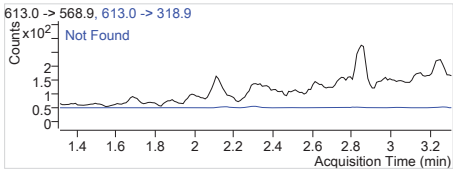
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



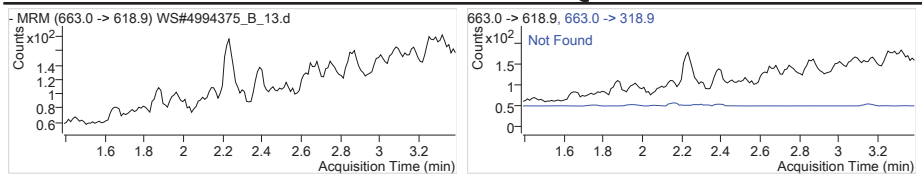


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

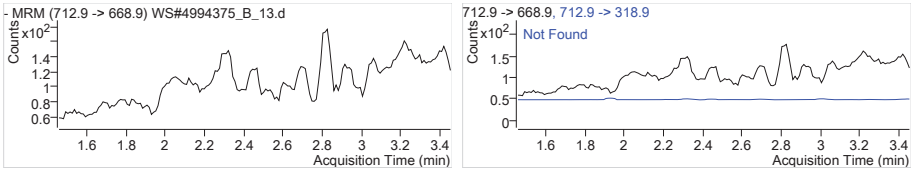




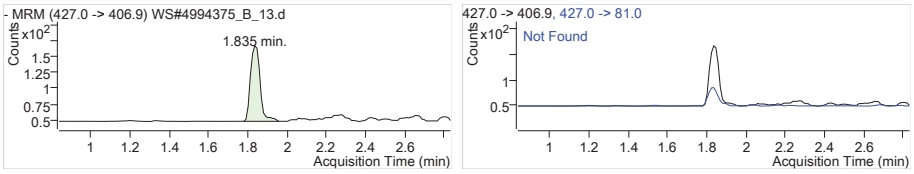
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



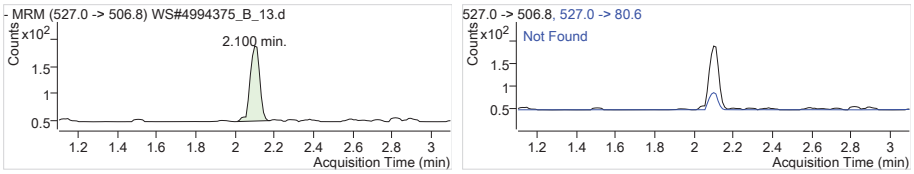
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



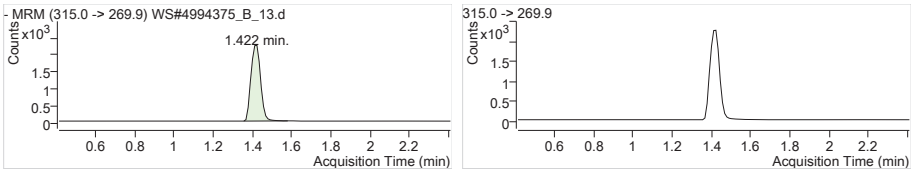
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



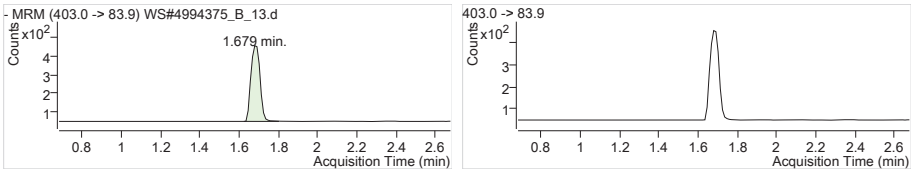
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 44.38 µg/Kg
Area ratio: 0.18374
Sample type: Sample



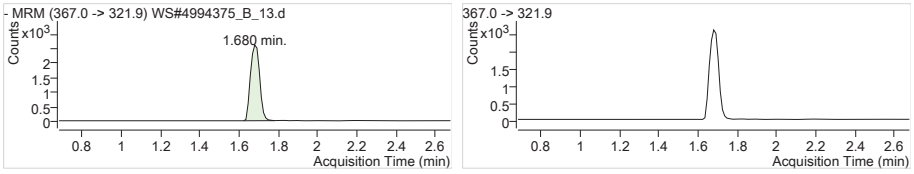
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 69.98 µg/Kg
Area ratio: 0.22321
Sample type: Sample



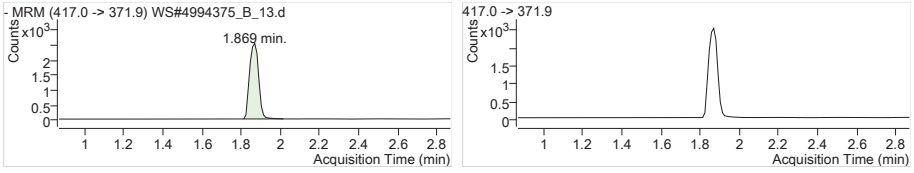
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 80.23 µg/Kg
Area ratio: 0.16660
Sample type: Sample



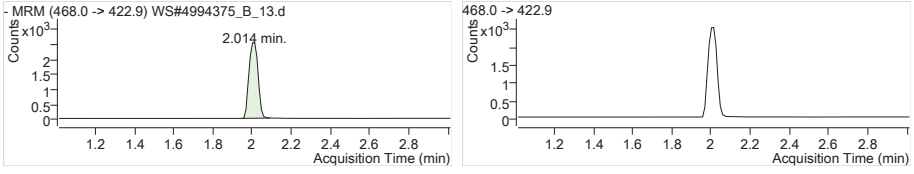
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 82.48 µg/Kg
Area ratio: 0.02891
Sample type: Sample



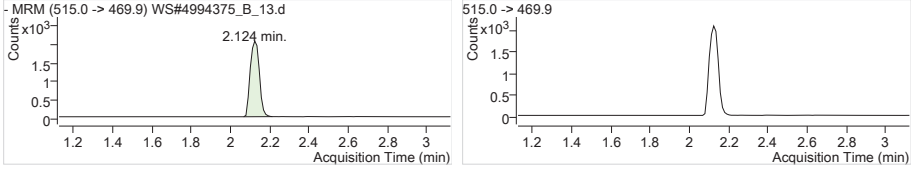
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 83.11 µg/Kg
Area ratio: 0.18282
Sample type: Sample



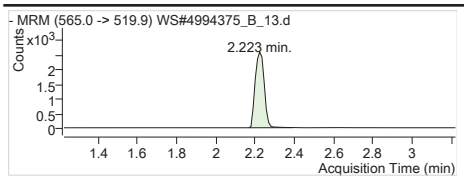
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 85.42 µg/Kg
Area ratio: 0.17597
Sample type: Sample

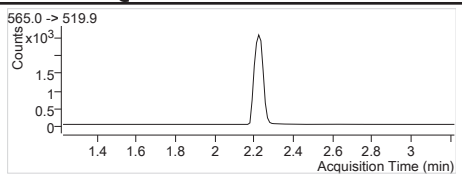


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 86.85 µg/Kg
Area ratio: 0.17562
Sample type: Sample

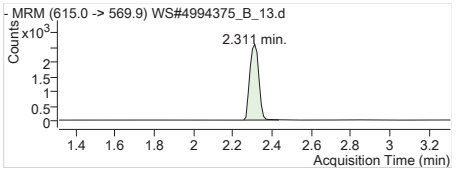


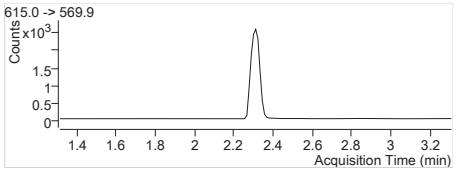
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 78.06 µg/Kg
Area ratio: 0.16222
Sample type: Sample



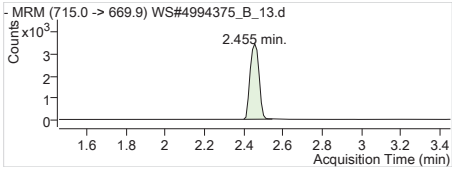


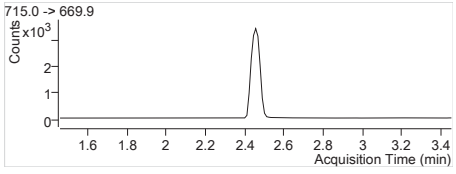
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 86.46 µg/Kg
Area ratio: 0.20036
Sample type: Sample



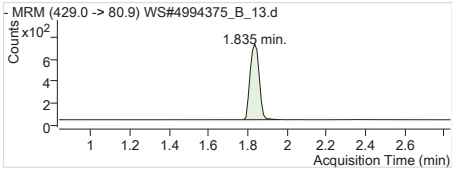


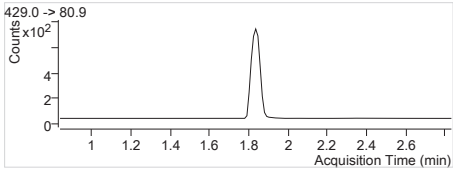
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 78.19 µg/Kg
Area ratio: 0.20088
Sample type: Sample



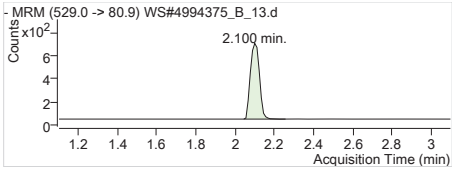


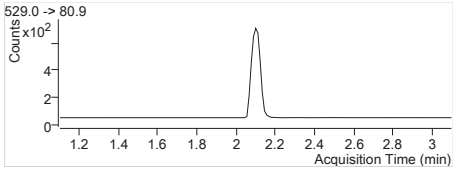
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 79.95 µg/Kg
Area ratio: 0.26286
Sample type: Sample



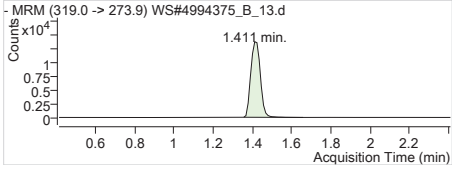


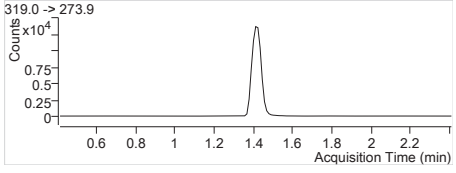
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 93.05 µg/Kg
Area ratio: 0.04839
Sample type: Sample



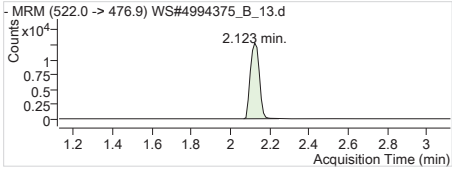


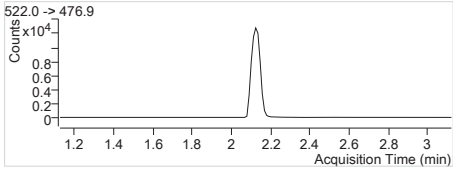
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 91.90 µg/Kg
Area ratio: 0.04665
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 12278.34 µg/Kg
Area ratio: 0
Sample type: Sample





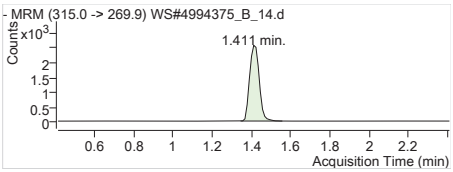
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 12858.51 µg/Kg
Area ratio: 0
Sample type: Sample

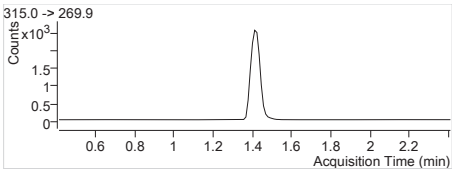
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI415-01:10x**	**Instrument**	LCMS04
Data File	WS#4994375_B_14.d	**Operator**	AD
Sample Type	Sample	**Dilution**	13.333
Acq. Method	PFC_Soil.m	**Position**	P1-D5
Acq. Date	2017/05/30 11:22:11 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFHxS, 8:2-FTS		

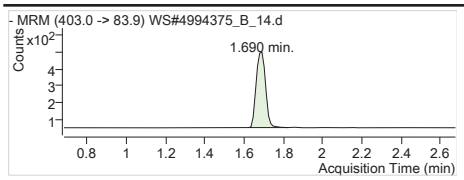
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8588	1.41	1 µg/Kg		
MPFHxS	1500	1.69	1 µg/Kg		
MPFHpA	9419	1.68	1 µg/Kg		
MPFOA	8982	1.87	1 µg/Kg		
MPFNA	8232	2.01	1 µg/Kg		
MPFDA	7274	2.12	1 µg/Kg		
MPFUnA	8231	2.22	1 µg/Kg		
MPFDoA	8975	2.31	1 µg/Kg		
MPFTeDA	11531	2.46	1 µg/Kg		
M2 6:2 FTS	2268	1.83	1 µg/Kg		
M2 8:2 FTS	2247	2.10	1 µg/Kg		
13C6-PFHxA IS	59952	1.41	1 µg/Kg		
13C9-PFDA IS	50247	2.12	1 µg/Kg		

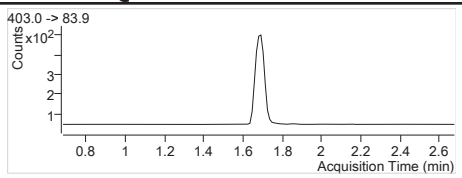
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	374	1.09	-	5.64 µg/Kg	-
PFHxA 1	3773	1.41	-	14.40 µg/Kg	-
PFHxS 1	5329	1.68	-	105.24 µg/Kg	-
PFHpA 1	1388	1.68	-	3.21 µg/Kg	-
PFOA 1	2792	1.87	-	9.57 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	3680	1.84	-	58.91 µg/Kg	-
8:2-FTS 1	4663	2.10	-	82.26 µg/Kg	-
13C2-PFHxA	8588	1.41	-	68.98 µg/Kg	-
18O2-PFHxS	1500	1.69	-	71.38 µg/Kg	-
13C4-PFHpA	9419	1.68	-	71.42 µg/Kg	-
13C4-PFOA	8982	1.87	-	72.72 µg/Kg	-
13C5-PFNA	8232	2.01	-	67.90 µg/Kg	-
13C2-PFDA	7274	2.12	-	69.66 µg/Kg	-
13C2-PFUnA	8317	2.22	-	71.42 µg/Kg	-
13C2-PFDoA	8975	2.31	-	69.53 µg/Kg	-
13C2-PFTeDA	11531	2.46	-	69.80 µg/Kg	-
13C2-6:2-FTS	2268	1.83	-	72.75 µg/Kg	-
13C2-8:2 FTS	2247	2.10	-	73.83 µg/Kg	-
13C6-PFHxA	59952	1.41	-	1600.14 µg/Kg	-
13C9-PFDA	51004	2.12	-	1609.73 µg/Kg	-



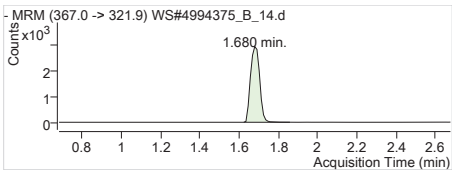


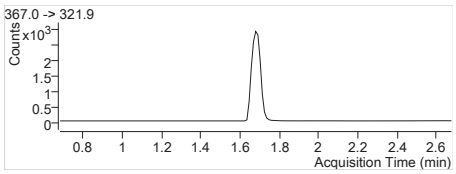
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



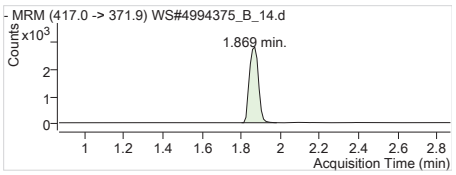


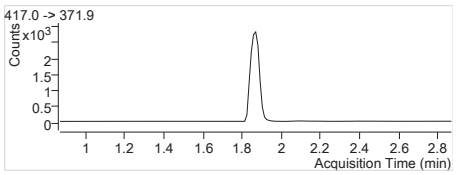
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



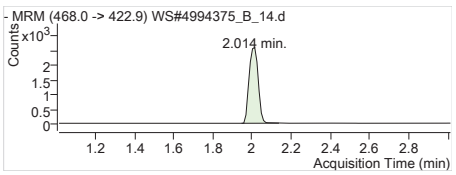


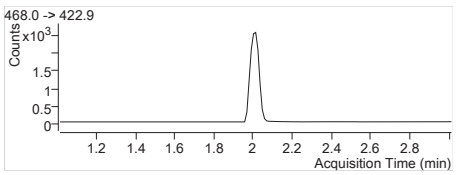
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



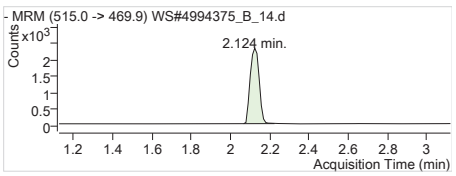


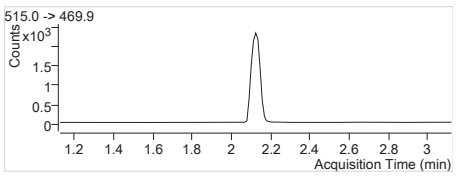
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



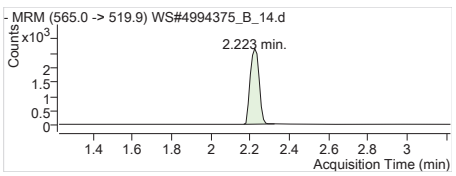


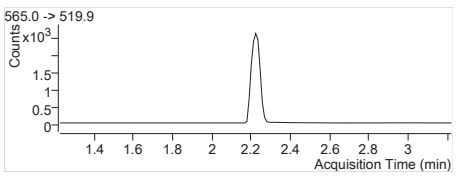
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



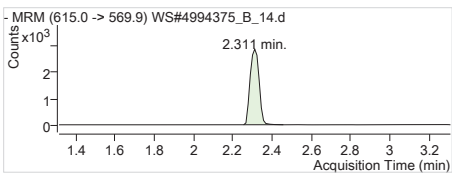


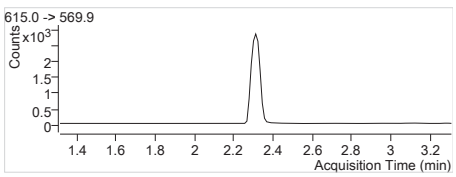
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



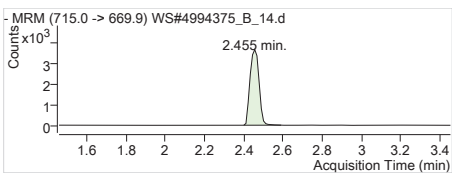


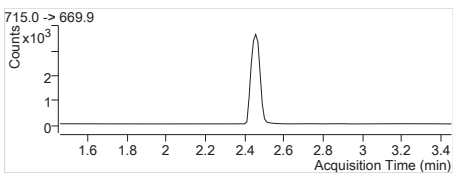
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



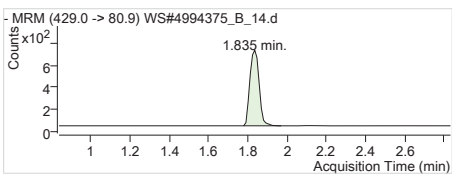


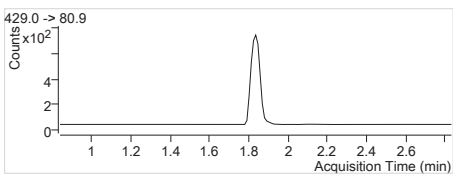
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



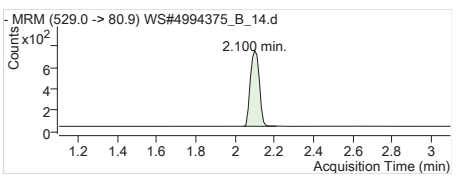


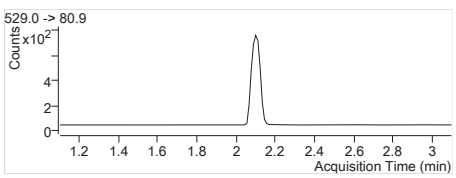
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



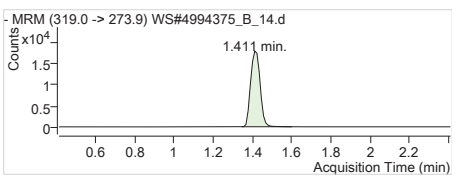


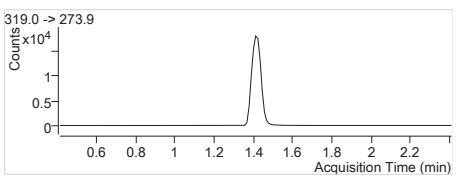
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



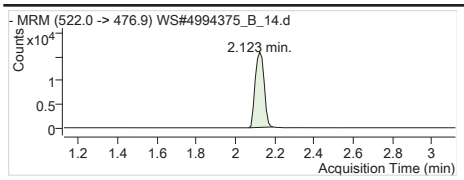


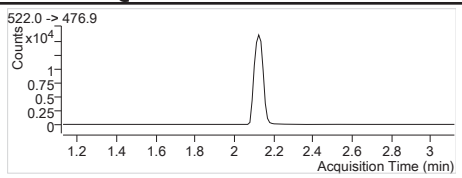
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



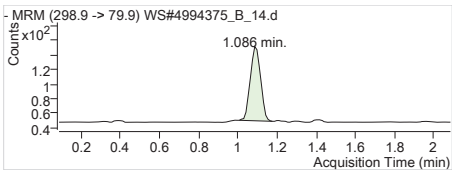


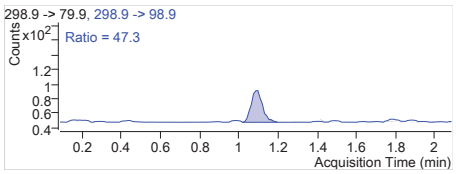
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



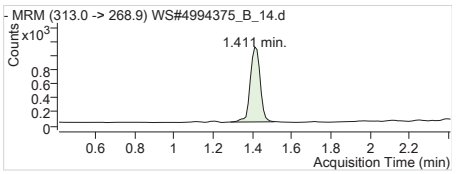


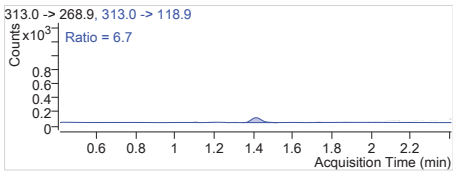
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



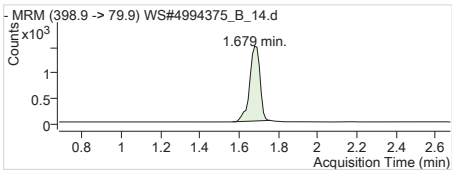


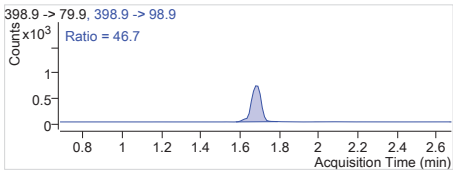
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.086 (1.087)
Calc. conc. 5.64 µg/Kg
Area ratio: 0.24933
Sample type: Sample



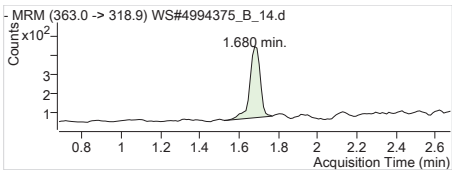


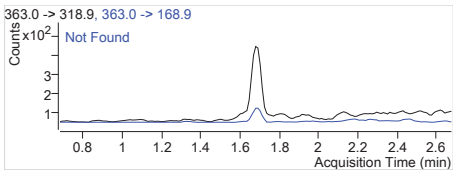
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 14.40 µg/Kg
Area ratio: 0.43933
Sample type: Sample



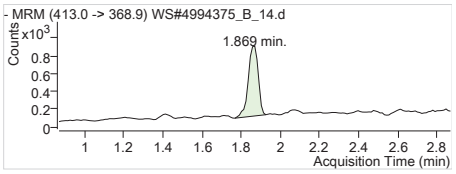


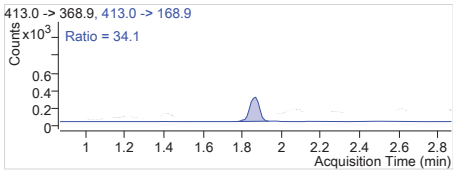
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 105.24 µg/Kg
Area ratio: 3.55267
Sample type: Sample



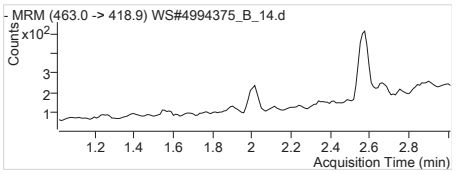


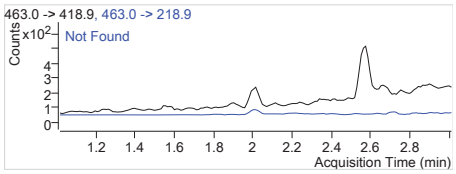
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 3.21 µg/Kg
Area ratio: 0.14736
Sample type: Sample



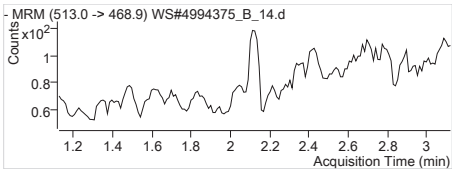


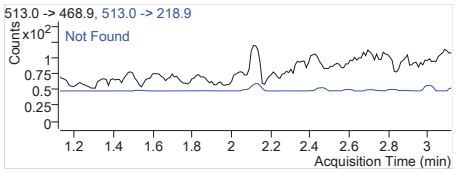
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 9.57 µg/Kg
Area ratio: 0.31084
Sample type: Sample



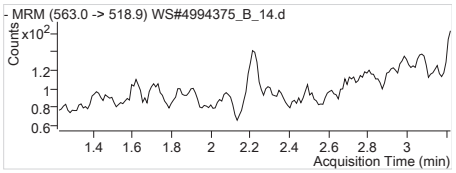


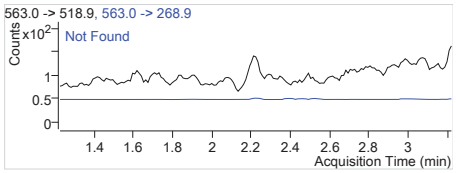
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



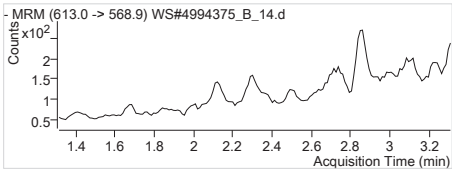


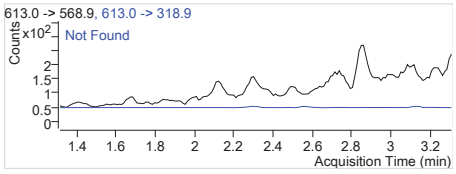
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



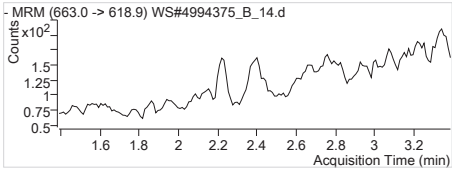


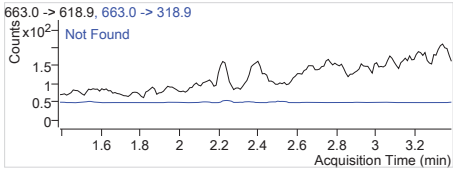
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



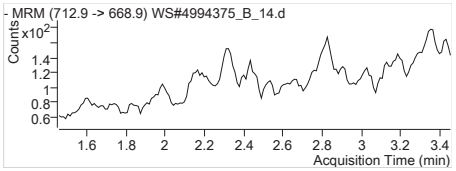


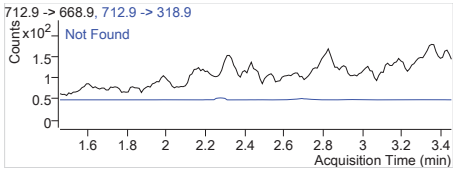
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



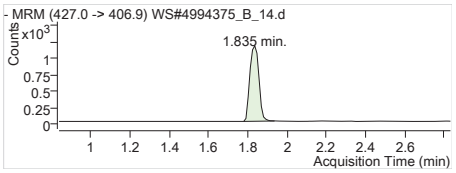


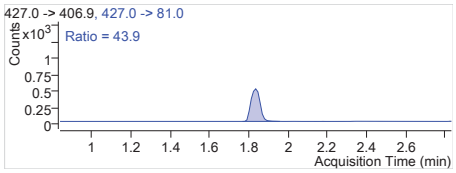
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



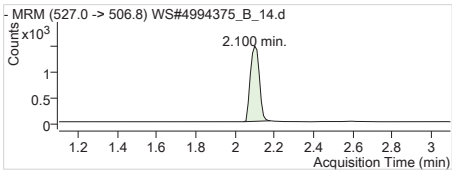


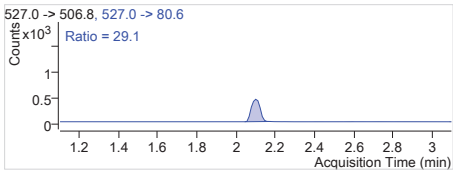
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



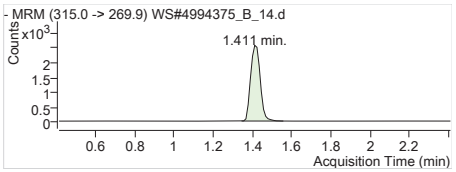


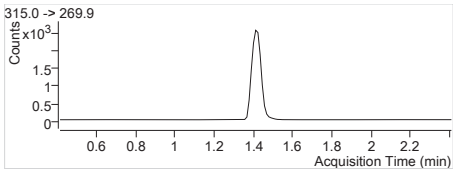
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 58.91 µg/Kg
Area ratio: 1.62257
Sample type: Sample



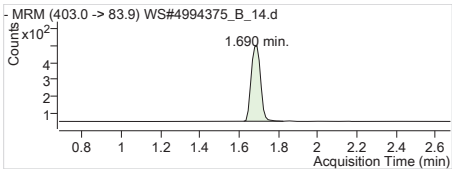


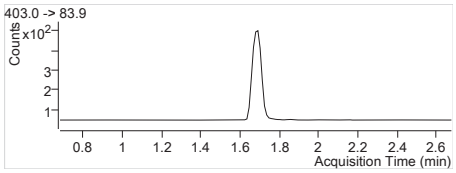
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 82.26 µg/Kg
Area ratio: 2.07521
Sample type: Sample



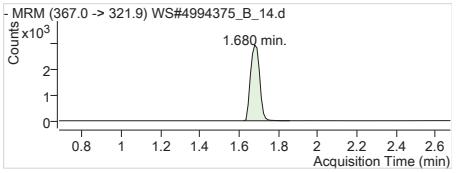


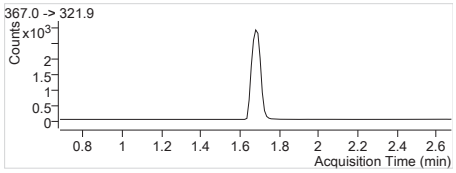
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 68.98 µg/Kg
Area ratio: 0.14325
Sample type: Sample



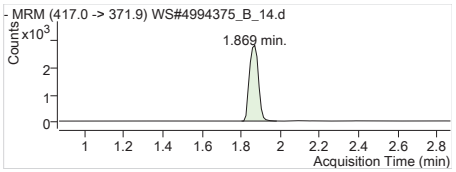


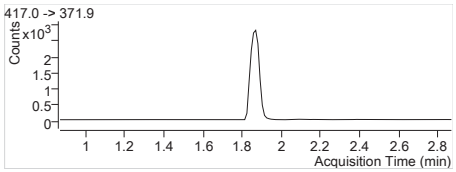
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 71.38 µg/Kg
Area ratio: 0.02502
Sample type: Sample



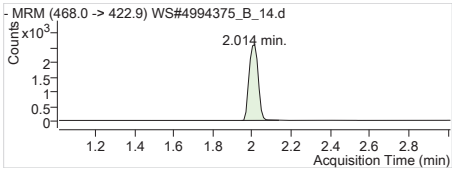


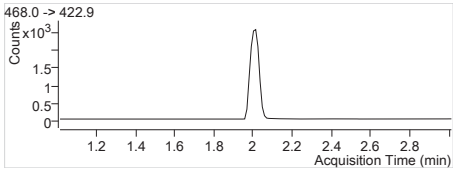
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 71.42 µg/Kg
Area ratio: 0.15711
Sample type: Sample



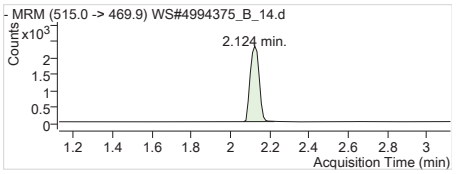


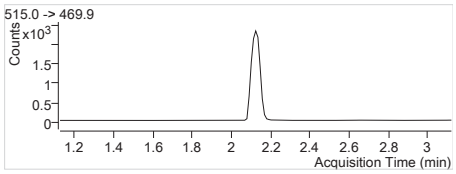
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 72.72 µg/Kg
Area ratio: 0.14982
Sample type: Sample



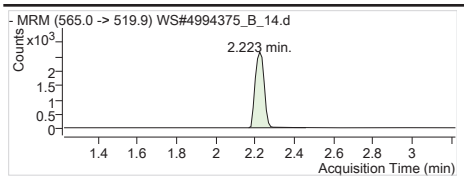


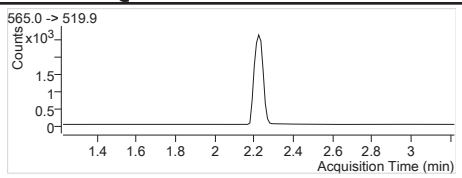
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 67.90 µg/Kg
Area ratio: 0.13731
Sample type: Sample



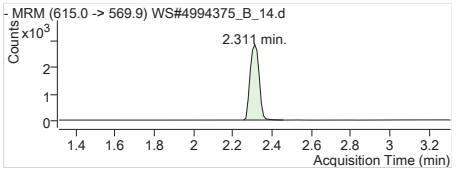


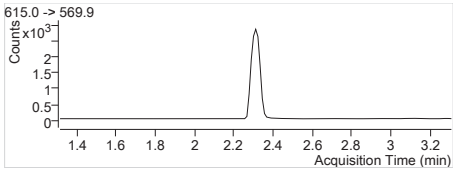
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 69.66 µg/Kg
Area ratio: 0.14476
Sample type: Sample



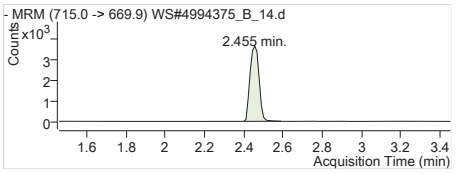


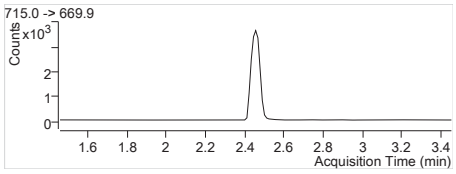
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 71.42 µg/Kg
Area ratio: 0.16552
Sample type: Sample



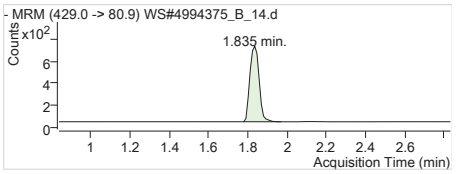


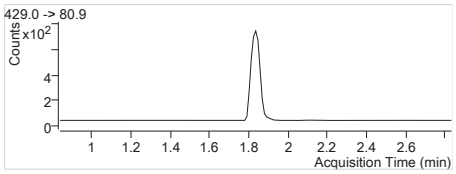
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 69.53 µg/Kg
Area ratio: 0.17862
Sample type: Sample



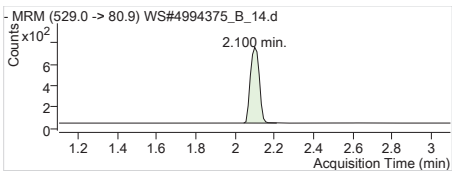


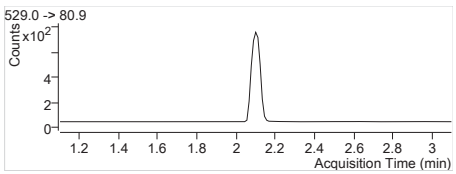
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 69.80 µg/Kg
Area ratio: 0.22949
Sample type: Sample



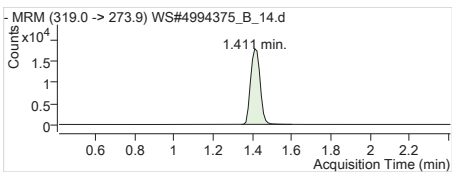


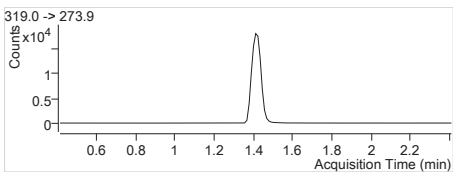
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 72.75 µg/Kg
Area ratio: 0.03783
Sample type: Sample



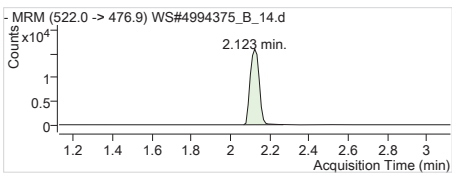


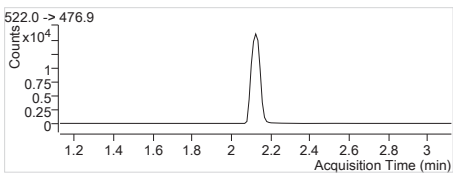
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 73.83 µg/Kg
Area ratio: 0.03748
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 1600.14 µg/Kg
Area ratio: 0
Sample type: Sample





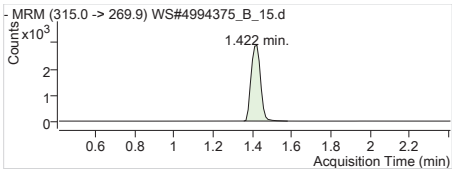
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 1609.73 µg/Kg
Area ratio: 0
Sample type: Sample

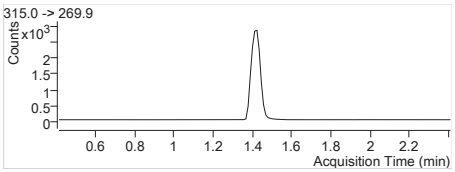
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI415-01**	**Instrument**	LCMS04
Data File	WS#4994375_B_15.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.333
Acq. Method	PFC_Soil.m	**Position**	P1-D6
Acq. Date	2017/05/30 11:27:06 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except PFOS, PFHxS, 8:2-FTS		

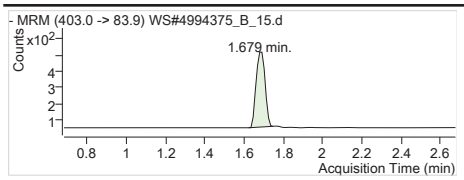
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9493	1.42	1 µg/Kg		
MPFHxS	1494	1.68	1 µg/Kg		
MPFHpA	9285	1.68	1 µg/Kg		
MPFOA	9100	1.87	1 µg/Kg		
MPFNA	8841	2.01	1 µg/Kg		
MPFDA	7218	2.12	1 µg/Kg		
MPFUnA	7324	2.22	1 µg/Kg		
MPFDoA	7740	2.31	1 µg/Kg		
MPFTeDA	10023	2.46	1 µg/Kg		
M2 6:2 FTS	2200	1.83	1 µg/Kg		
M2 8:2 FTS	2061	2.10	1 µg/Kg		
13C6-PFHxA IS	51134	1.41	1 µg/Kg		
13C9-PFDA IS	42378	2.12	1 µg/Kg		

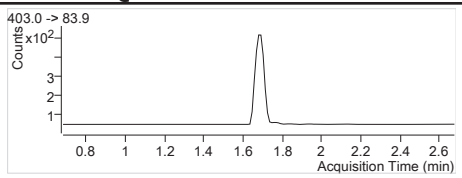
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	2830	1.10	-	4.34 µg/Kg	-
PFHxA 1	22754	1.42	-	7.92 µg/Kg	-
PFHxS 1	34099	1.68	-	67.92 µg/Kg	-
PFHpA 1	6441	1.68	-	2.05 µg/Kg	-
PFOA 1	19086	1.87	-	6.49 µg/Kg	-
PFNA 1	1406	2.01	-	0.54 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1	528	2.31	-	0.21 µg/Kg	-
PFTrDA 1			-	ND	-
PFTeDA 1	327	2.46	-	0.00 µg/Kg	-
6:2-FTS 1	22640	1.84	-	38.70 µg/Kg	-
8:2-FTS 1	29893	2.10	-	58.72 µg/Kg	-
13C2-PFHxA	9493	1.42	-	89.40 µg/Kg	-
18O2-PFHxS	1494	1.68	-	83.35 µg/Kg	-
13C4-PFHpA	9285	1.68	-	82.55 µg/Kg	-
13C4-PFOA	9100	1.87	-	86.38 µg/Kg	-
13C5-PFNA	8841	2.01	-	85.50 µg/Kg	-
13C2-PFDA	7218	2.12	-	81.96 µg/Kg	-
13C2-PFUnA	7354	2.22	-	74.88 µg/Kg	-
13C2-PFDoA	7740	2.31	-	71.09 µg/Kg	-
13C2-PFTeDA	10023	2.46	-	71.94 µg/Kg	-
13C2-6:2-FTS	2200	1.83	-	82.74 µg/Kg	-
13C2-8:2 FTS	2061	2.10	-	79.40 µg/Kg	-
13C6-PFHxA	51134	1.41	-	136.45 µg/Kg	-
13C9-PFDA	42813	2.12	-	135.09 µg/Kg	-



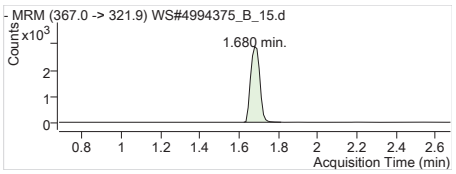


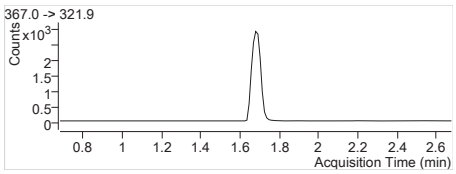
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



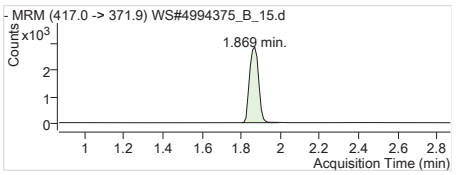


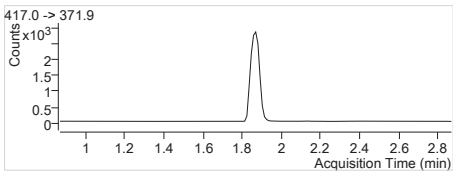
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



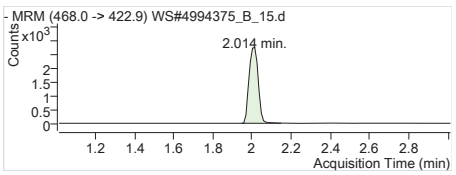


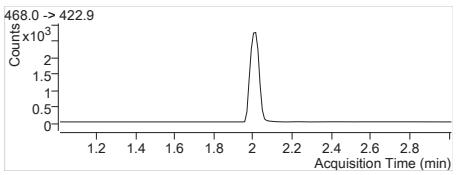
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



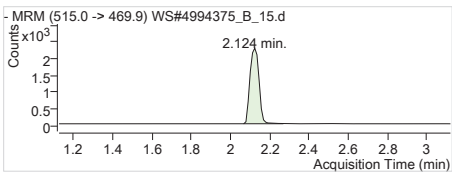


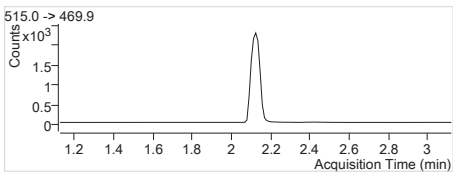
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



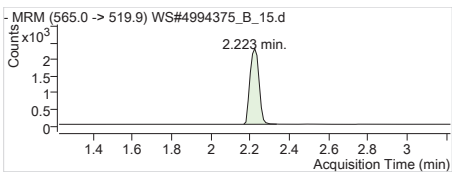


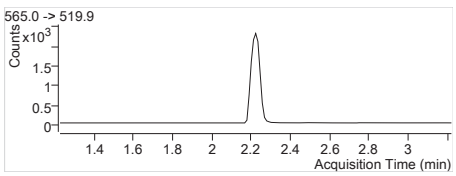
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



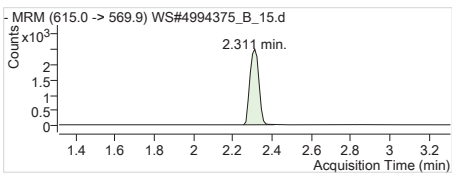


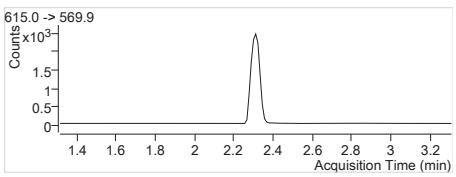
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



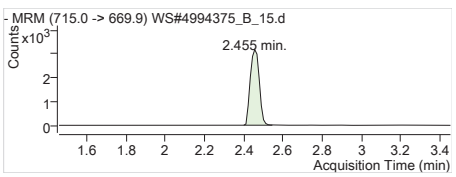


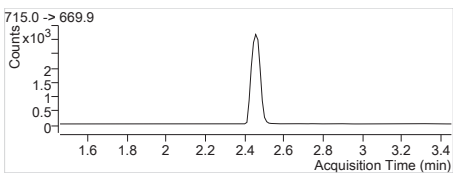
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



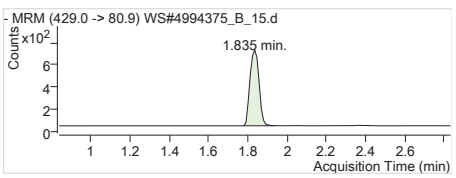


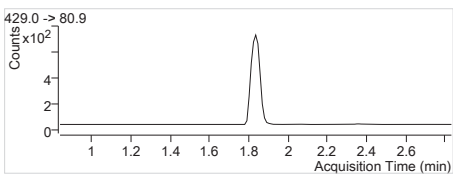
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



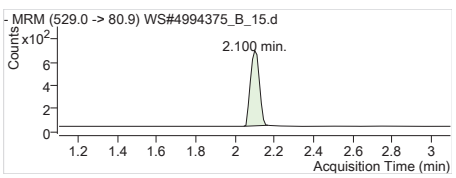


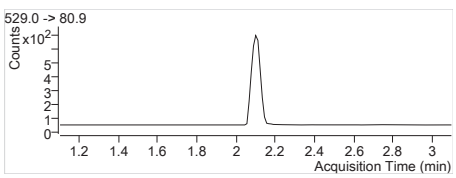
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



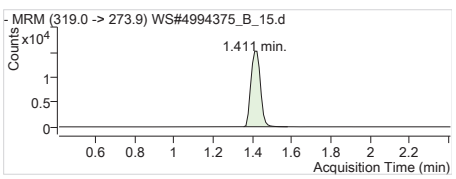


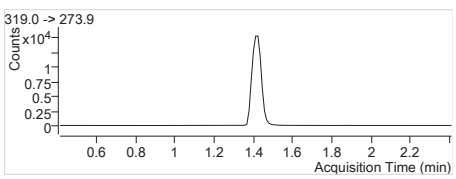
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



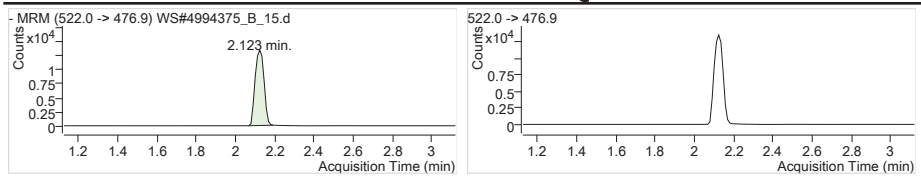


M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample

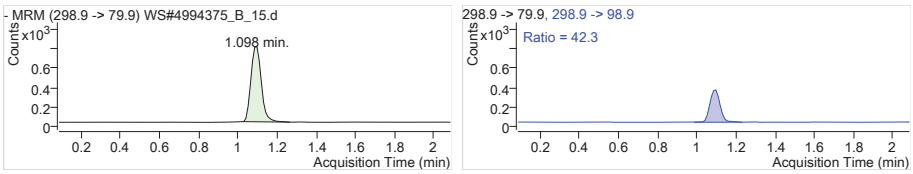




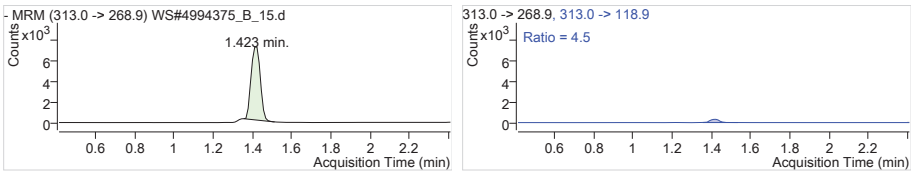
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



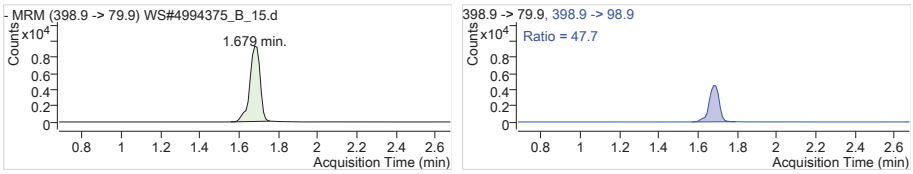
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



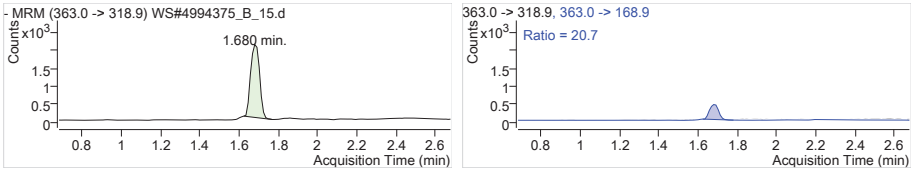
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.087)
Calc. conc. 4.34 µg/Kg
Area ratio: 1.89424
Sample type: Sample



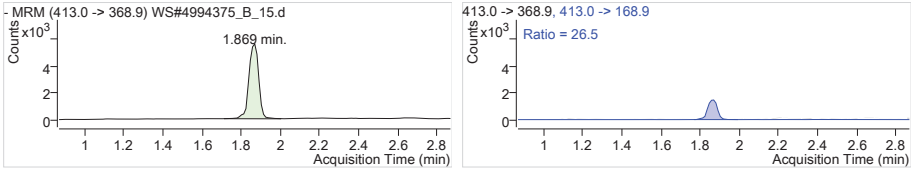
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.423 (1.411)
Calc. conc. 7.92 µg/Kg
Area ratio: 2.39692
Sample type: Sample



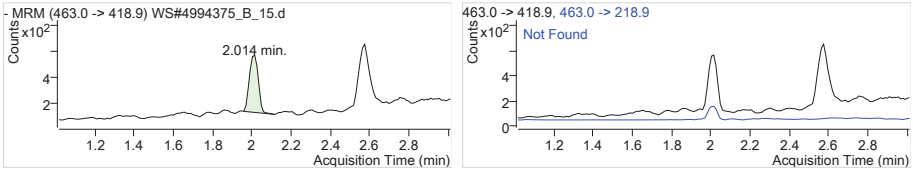
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 67.92 µg/Kg
Area ratio: 22.82396
Sample type: Sample



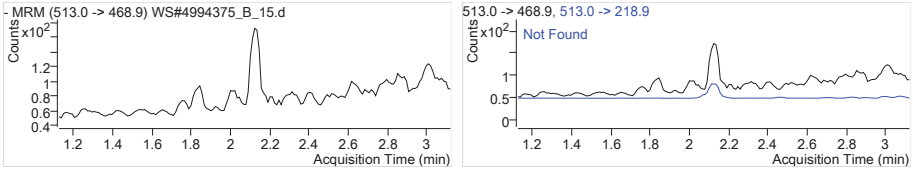
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 2.05 µg/Kg
Area ratio: 0.69370
Sample type: Sample



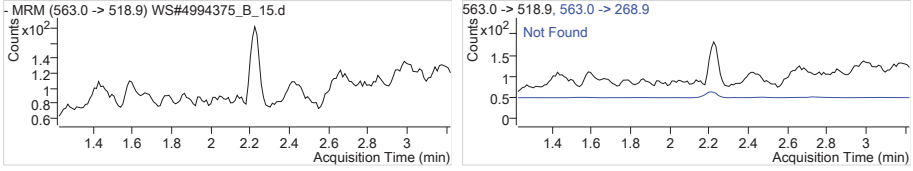
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 6.49 µg/Kg
Area ratio: 2.09736
Sample type: Sample



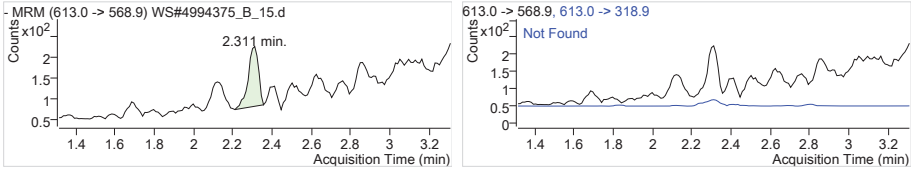
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 0.54 µg/Kg
Area ratio: 0.15903
Sample type: Sample



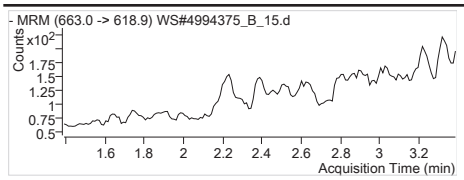
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

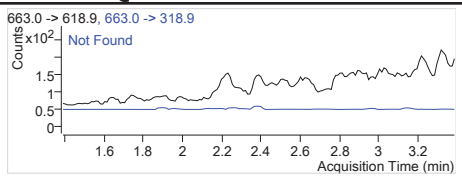


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

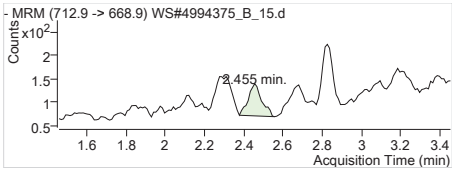


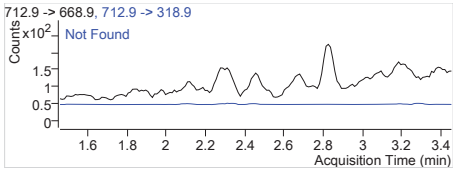
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 0.21 µg/Kg
Area ratio: 0.06822
Sample type: Sample



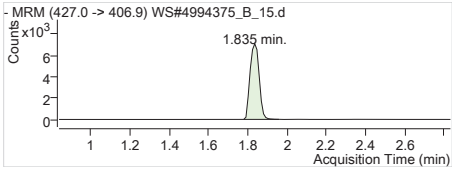


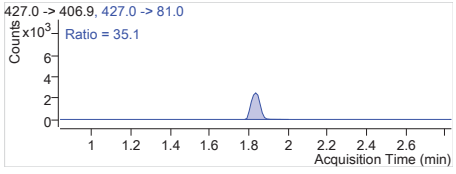
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



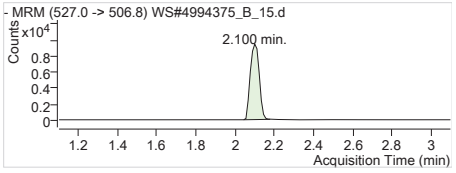


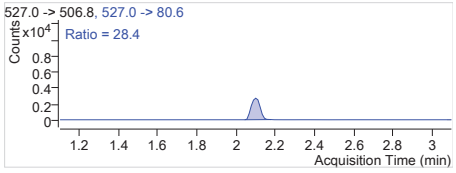
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.456)
Calc. conc. 0.00 µg/Kg
Area ratio: 0.03262
Sample type: Sample



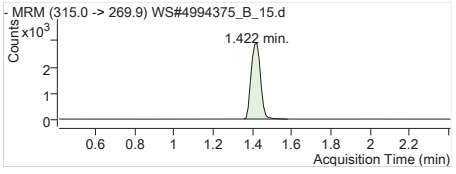


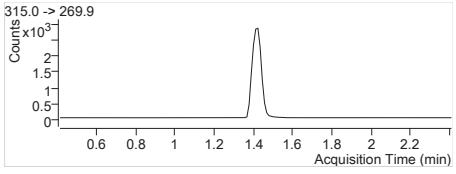
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 38.70 µg/Kg
Area ratio: 10.29091
Sample type: Sample



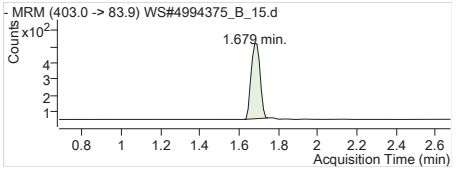


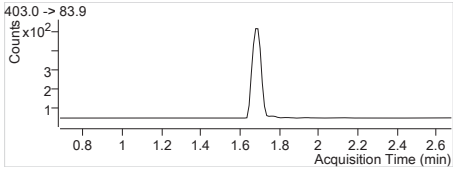
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 58.72 µg/Kg
Area ratio: 14.50412
Sample type: Sample



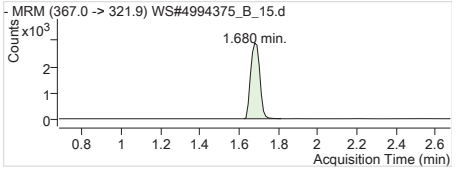


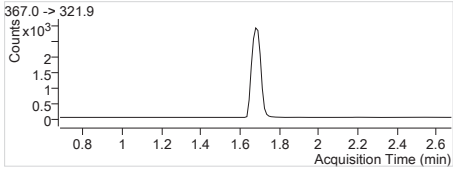
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 89.40 µg/Kg
Area ratio: 0.18565
Sample type: Sample



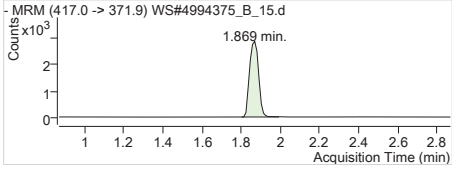


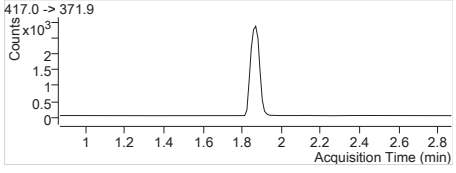
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 83.35 µg/Kg
Area ratio: 0.02922
Sample type: Sample



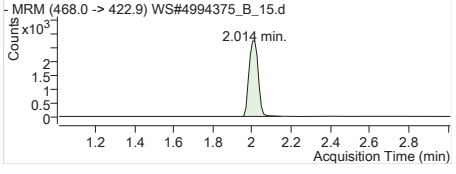


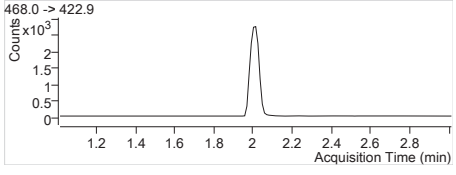
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 82.55 µg/Kg
Area ratio: 0.18158
Sample type: Sample



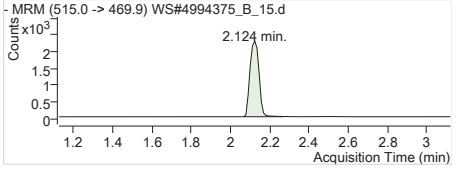


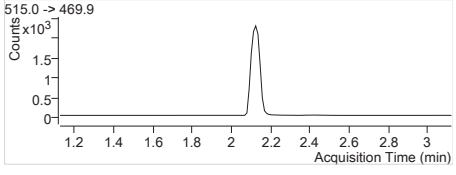
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 86.38 µg/Kg
Area ratio: 0.17796
Sample type: Sample



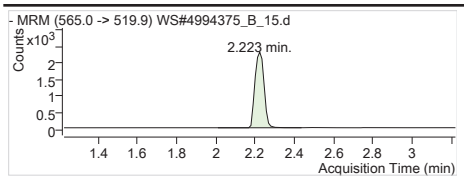


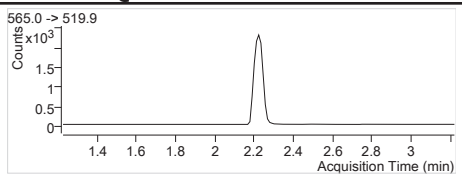
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 85.50 µg/Kg
Area ratio: 0.17290
Sample type: Sample



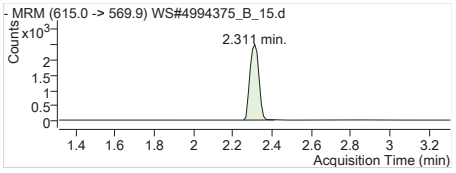


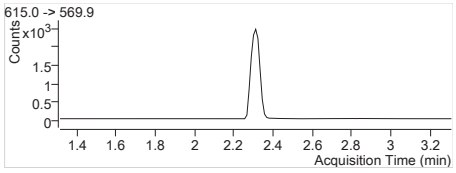
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 81.96 µg/Kg
Area ratio: 0.17032
Sample type: Sample



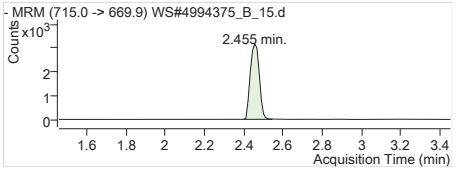


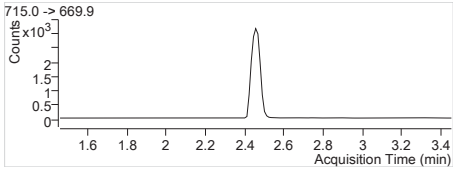
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 74.88 µg/Kg
Area ratio: 0.17353
Sample type: Sample



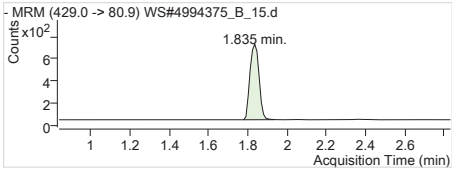


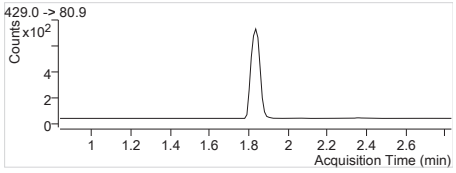
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 71.09 µg/Kg
Area ratio: 0.18264
Sample type: Sample



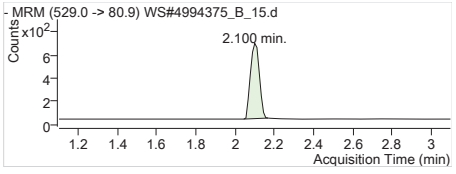


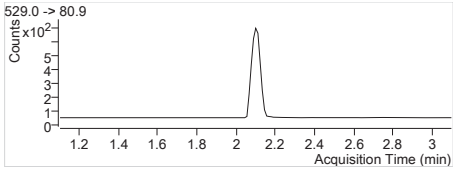
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 71.94 µg/Kg
Area ratio: 0.23651
Sample type: Sample



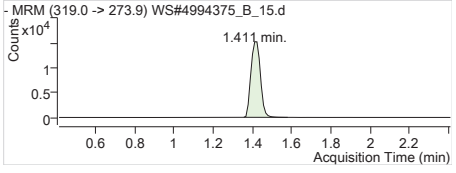


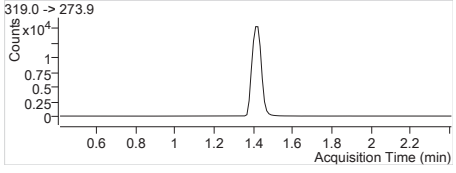
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 82.74 µg/Kg
Area ratio: 0.04302
Sample type: Sample



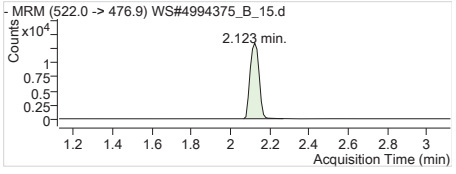


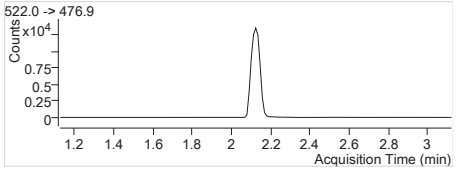
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 79.40 µg/Kg
Area ratio: 0.04031
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 136.45 µg/Kg
Area ratio: 0
Sample type: Sample





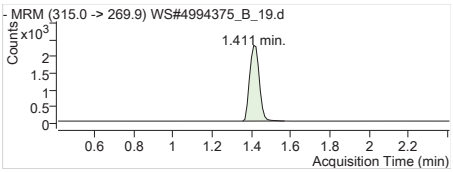
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 135.09 µg/Kg
Area ratio: 0
Sample type: Sample

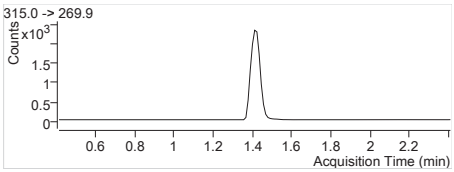
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI419-01:100x**	**Instrument**	LCMS04
Data File	WS#4994375_B_19.d	**Operator**	AD
Sample Type	Sample	**Dilution**	152.905
Acq. Method	PFC_Soil.m	**Position**	P1-D7
Acq. Date	2017/05/30 11:46:44 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFOS, 8:2-FTS		

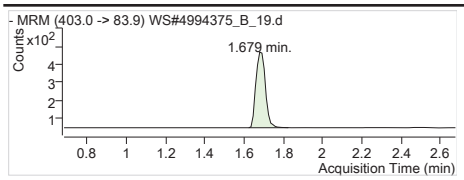
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7838	1.41	1 µg/Kg		
MPFHxS	1414	1.68	1 µg/Kg		
MPFHpA	8956	1.68	1 µg/Kg		
MPFOA	8354	1.87	1 µg/Kg		
MPFNA	7713	2.01	1 µg/Kg		
MPFDA	7208	2.12	1 µg/Kg		
MPFUnA	7612	2.22	1 µg/Kg		
MPFDoA	8989	2.31	1 µg/Kg		
MPFTeDA	10795	2.46	1 µg/Kg		
M2 6:2 FTS	2240	1.83	1 µg/Kg		
M2 8:2 FTS	2225	2.10	1 µg/Kg		
13C6-PFHxA IS	45481	1.41	1 µg/Kg		
13C9-PFDA IS	40660	2.12	1 µg/Kg		

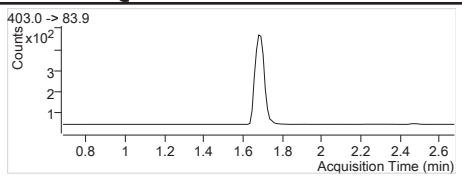
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1	514	1.68	-	117.33 µg/Kg	-
PFHpA 1			-	ND	-
PFOA 1	1449	1.87	-	60.88 µg/Kg	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1	227	2.44	-	0.00 µg/Kg	-
6:2-FTS 1	309	1.84	-	31.01 µg/Kg	-
8:2-FTS 1	5118	2.10	-	1048.27 µg/Kg	-
13C2-PFHxA	7838	1.41	-	82.99 µg/Kg	-
18O2-PFHxS	1414	1.68	-	88.69 µg/Kg	-
13C4-PFHpA	8956	1.68	-	89.52 µg/Kg	-
13C4-PFOA	8354	1.87	-	89.16 µg/Kg	-
13C5-PFNA	7713	2.01	-	83.87 µg/Kg	-
13C2-PFDA	7208	2.12	-	85.31 µg/Kg	-
13C2-PFUnA	7612	2.22	-	80.78 µg/Kg	-
13C2-PFDoA	8989	2.31	-	86.05 µg/Kg	-
13C2-PFTeDA	10795	2.46	-	80.75 µg/Kg	-
13C2-6:2-FTS	2240	1.83	-	94.71 µg/Kg	-
13C2-8:2 FTS	2225	2.10	-	96.37 µg/Kg	-
13C6-PFHxA	45481	1.41	-	13921.21 µg/Kg	-
13C9-PFDA	41123	2.12	-	14884.28 µg/Kg	-



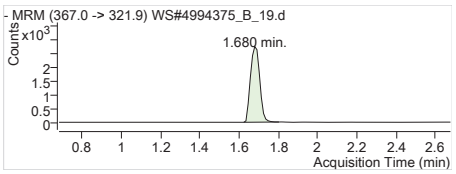


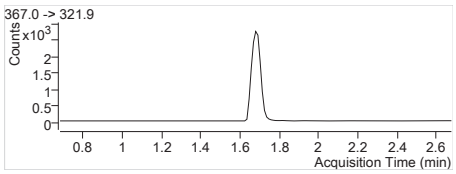
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



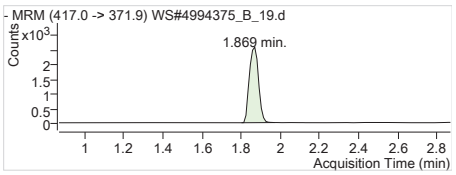


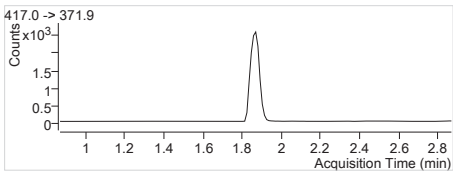
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



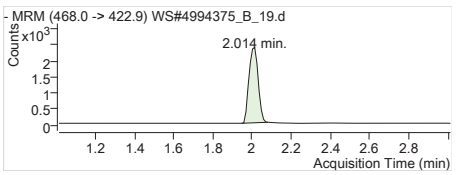


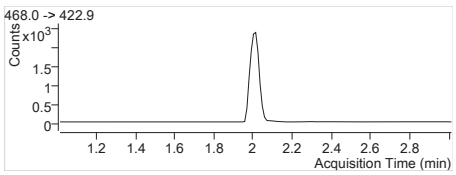
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



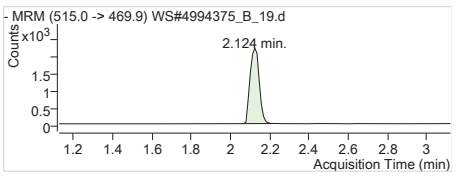


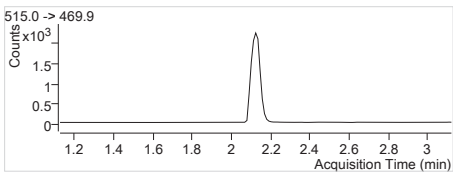
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



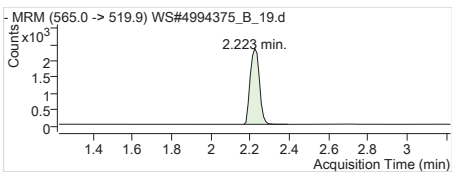


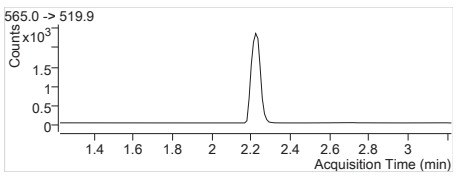
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



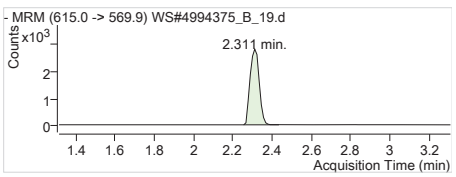


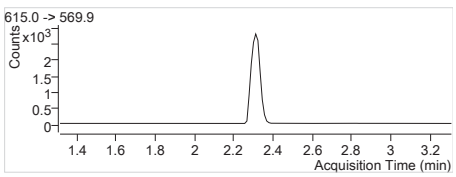
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



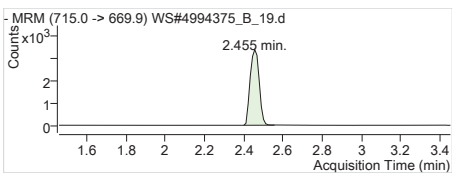


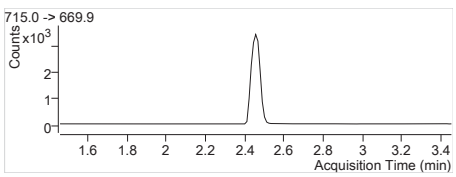
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



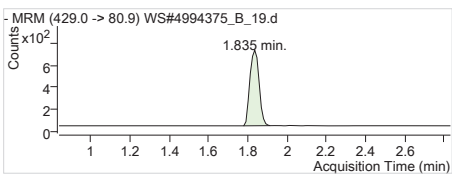


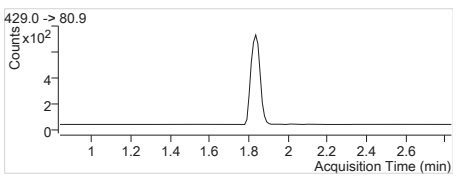
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



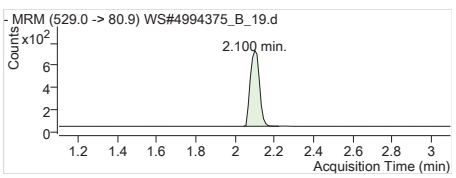


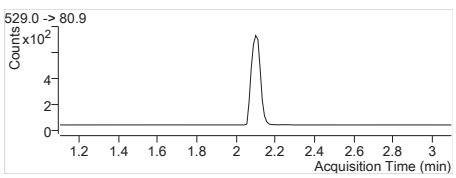
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



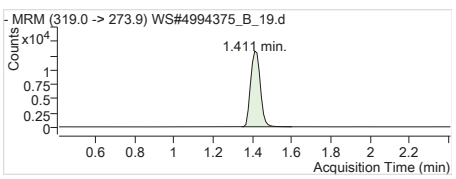


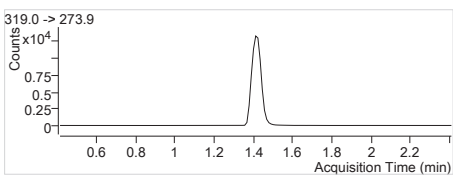
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



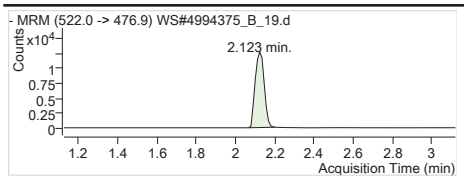


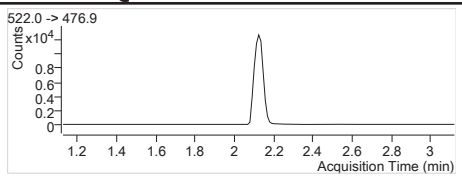
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



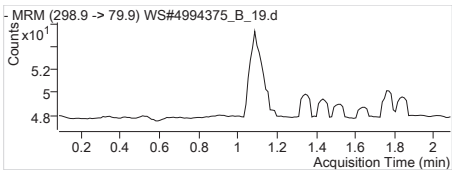


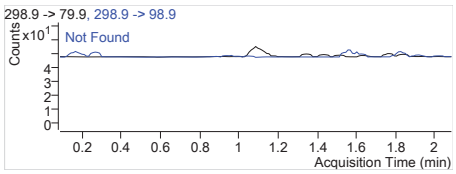
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



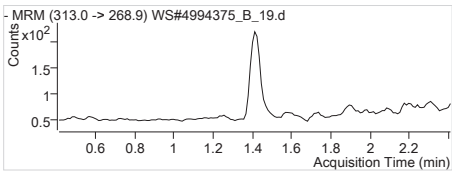


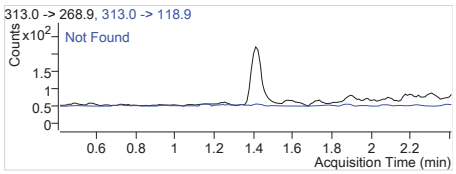
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



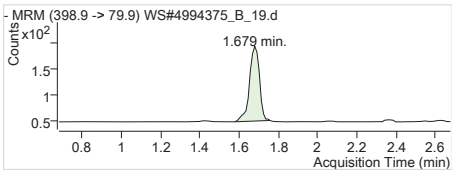


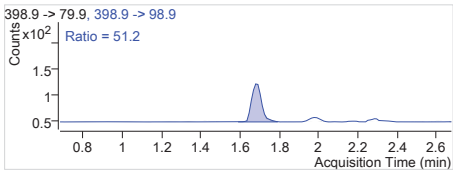
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



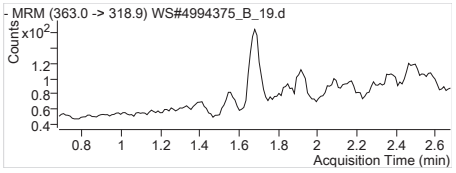


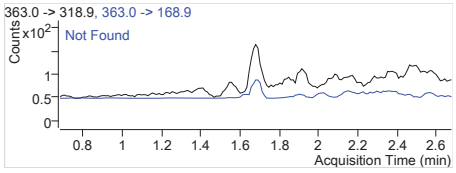
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



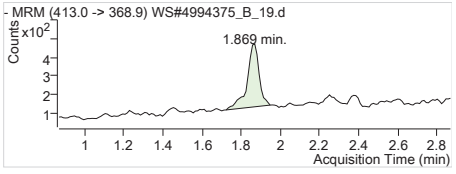


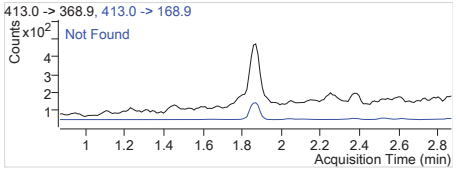
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 117.33 µg/Kg
Area ratio: 0.36351
Sample type: Sample



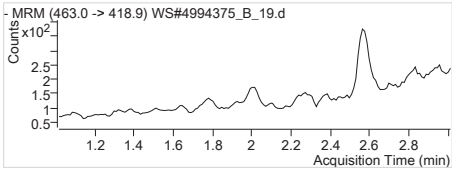


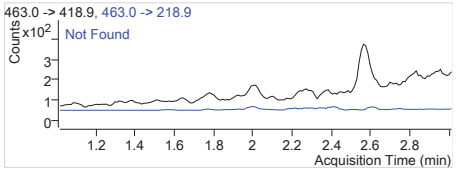
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



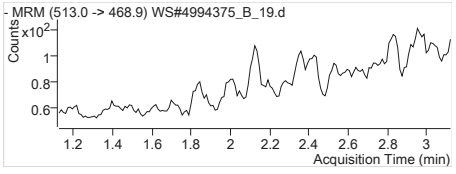


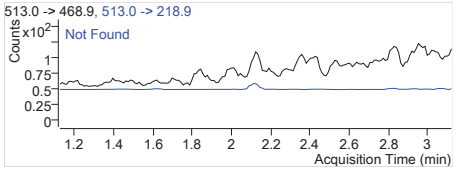
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 60.88 µg/Kg
Area ratio: 0.17345
Sample type: Sample



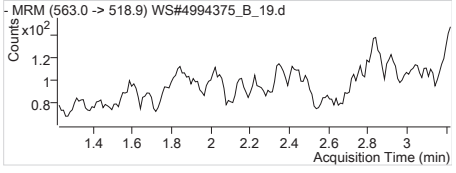


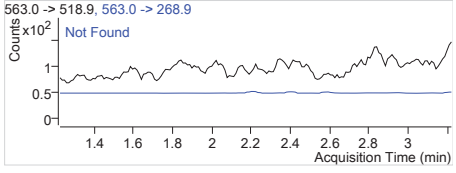
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



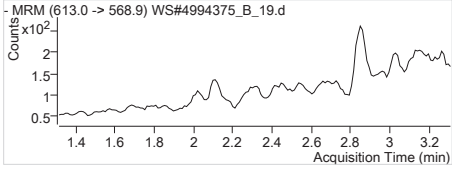


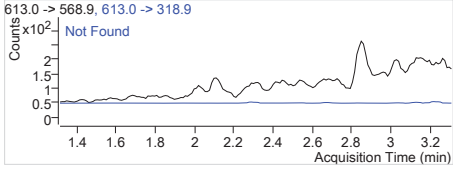
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



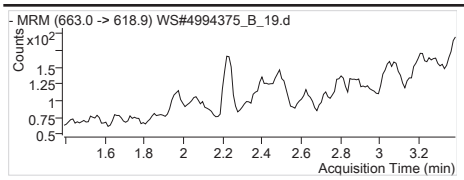


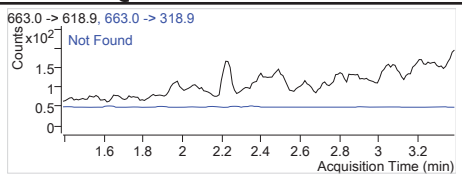
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



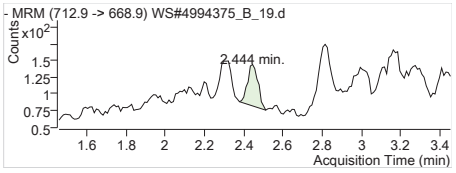


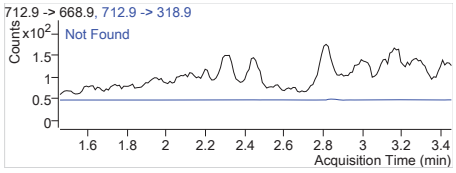
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



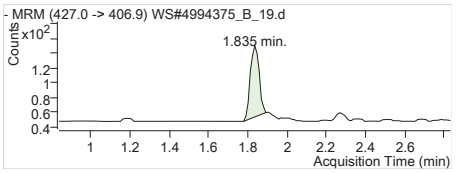


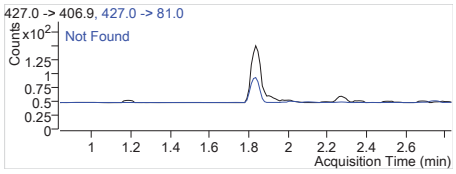
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



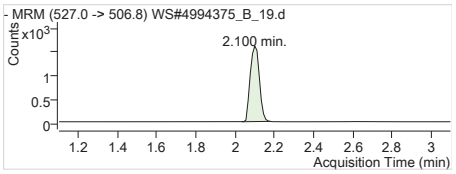


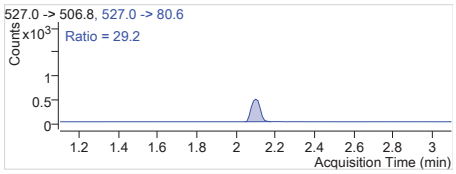
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.444 (2.456)
Calc. conc. 0.00 µg/Kg
Area ratio: 0.02103
Sample type: Sample



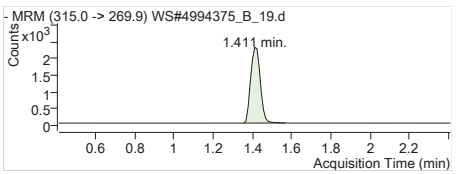


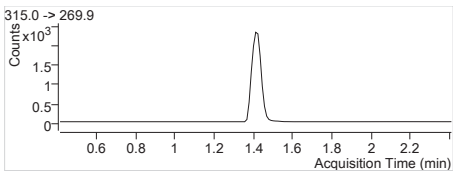
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 31.01 µg/Kg
Area ratio: 0.13795
Sample type: Sample



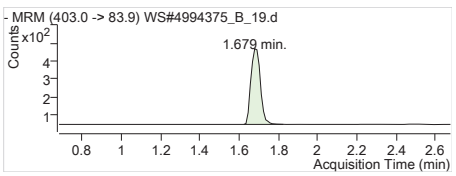


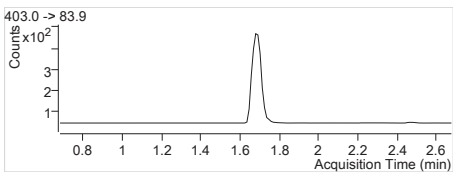
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 1048.27 µg/Kg
Area ratio: 2.30022
Sample type: Sample



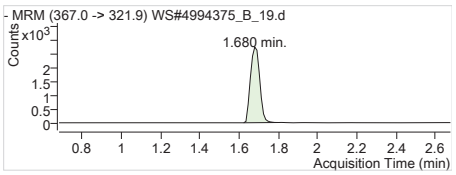


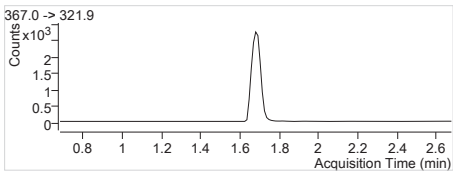
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 82.99 µg/Kg
Area ratio: 0.17234
Sample type: Sample



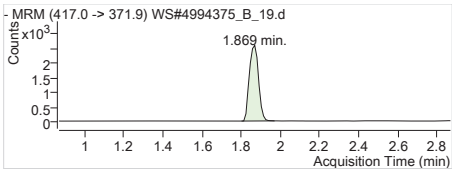


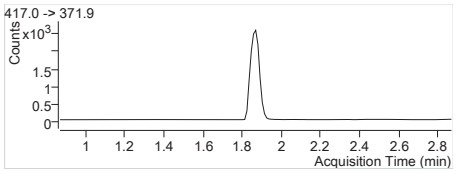
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 88.69 µg/Kg
Area ratio: 0.03109
Sample type: Sample



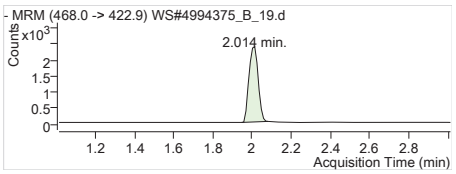


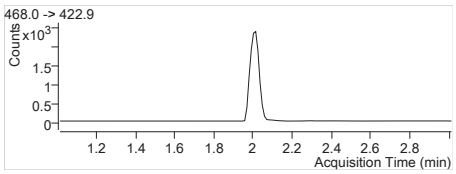
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 89.52 µg/Kg
Area ratio: 0.19692
Sample type: Sample



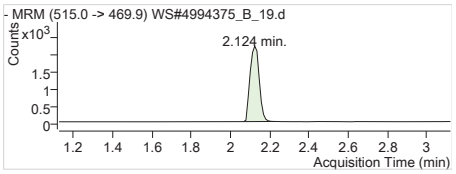


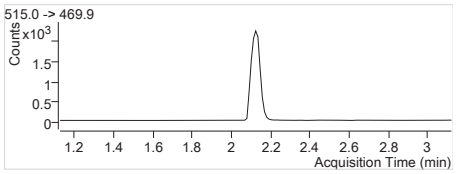
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 89.16 µg/Kg
Area ratio: 0.18368
Sample type: Sample



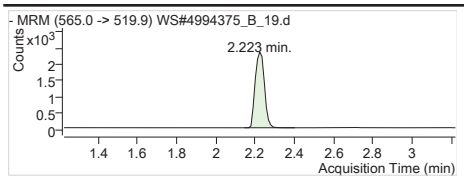


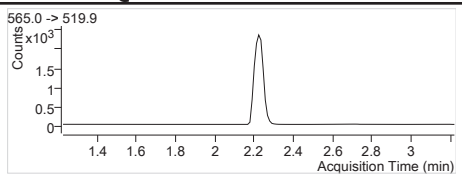
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 83.87 µg/Kg
Area ratio: 0.16959
Sample type: Sample



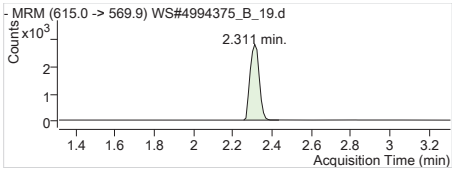


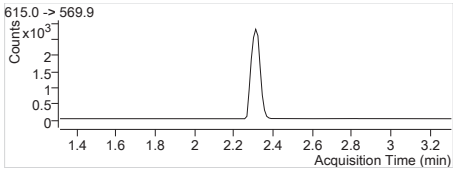
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 85.31 µg/Kg
Area ratio: 0.17727
Sample type: Sample



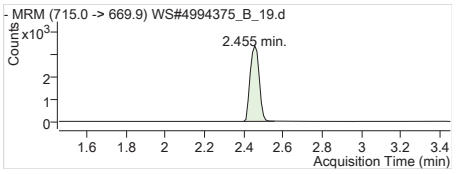


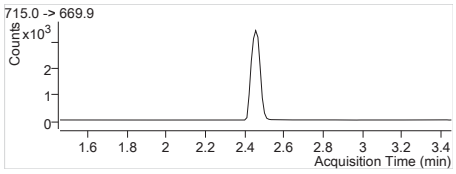
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 80.78 µg/Kg
Area ratio: 0.18721
Sample type: Sample



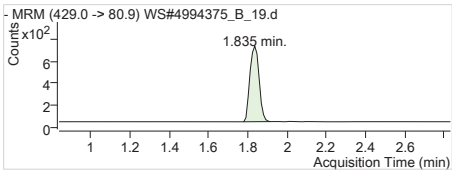


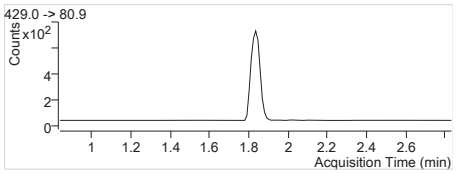
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 86.05 µg/Kg
Area ratio: 0.22108
Sample type: Sample



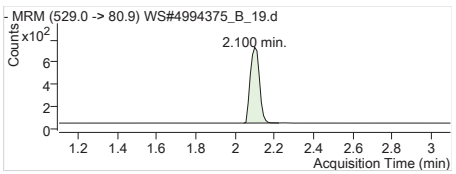


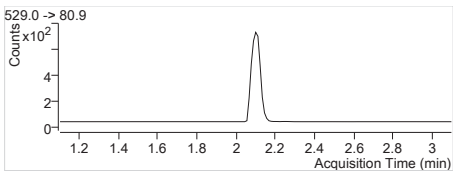
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 80.75 µg/Kg
Area ratio: 0.26549
Sample type: Sample



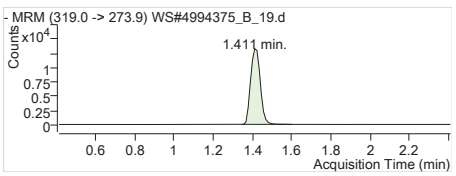


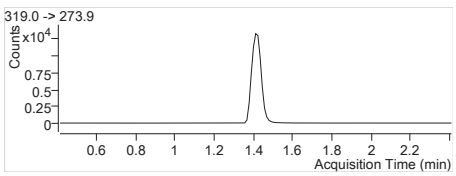
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 94.71 µg/Kg
Area ratio: 0.04925
Sample type: Sample



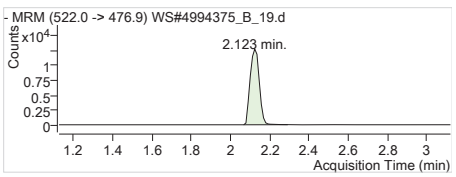


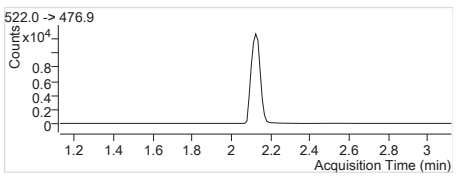
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 96.37 µg/Kg
Area ratio: 0.04892
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 13921.21 µg/Kg
Area ratio: 0
Sample type: Sample





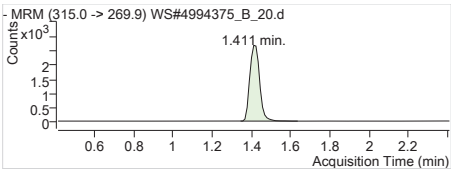
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 14884.28 µg/Kg
Area ratio: 0
Sample type: Sample

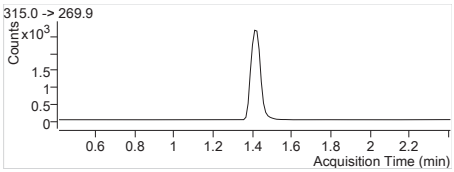
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI419-01:10x**	**Instrument**	LCMS04
Data File	WS#4994375_B_20.d	**Operator**	AD
Sample Type	Sample	**Dilution**	15.291
Acq. Method	PFC_Soil.m	**Position**	P1-D8
Acq. Date	2017/05/30 11:51:38 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for PFHxS		

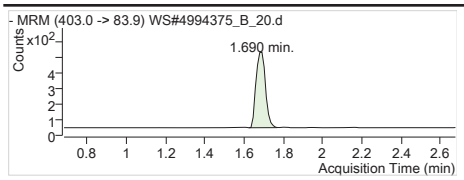
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9182	1.41	1 µg/Kg		
MPFHxS	1622	1.69	1 µg/Kg		
MPFHpA	9516	1.68	1 µg/Kg		
MPFOA	9189	1.87	1 µg/Kg		
MPFNA	9385	2.01	1 µg/Kg		
MPFDA	8059	2.12	1 µg/Kg		
MPFUnA	8886	2.22	1 µg/Kg		
MPFDoA	9986	2.31	1 µg/Kg		
MPFTeDA	11183	2.46	1 µg/Kg		
M2 6:2 FTS	2646	1.83	1 µg/Kg		
M2 8:2 FTS	2340	2.10	1 µg/Kg		
13C6-PFHxA IS	59488	1.41	1 µg/Kg		
13C9-PFDA IS	53470	2.12	1 µg/Kg		

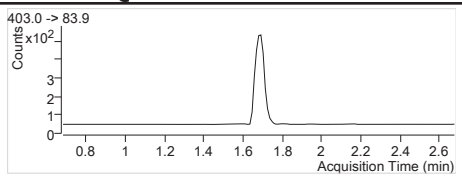
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	162	1.09	-	2.54 µg/Kg	-
PFHxA 1	6579	1.41	-	27.03 µg/Kg	-
PFHxS 1	6246	1.68	-	130.88 µg/Kg	-
PFHpA 1	2782	1.68	-	8.95 µg/Kg	-
PFOA 1	10982	1.87	-	42.41 µg/Kg	-
PFNA 1	1286	2.01	-	5.25 µg/Kg	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	3199	1.84	-	49.61 µg/Kg	-
8:2-FTS 1	52241	2.10	-	1038.15 µg/Kg	-
13C2-PFHxA	9182	1.41	-	74.33 µg/Kg	-
18O2-PFHxS	1622	1.69	-	77.78 µg/Kg	-
13C4-PFHpA	9516	1.68	-	72.72 µg/Kg	-
13C4-PFOA	9189	1.87	-	74.98 µg/Kg	-
13C5-PFNA	9385	2.01	-	78.02 µg/Kg	-
13C2-PFDA	8059	2.12	-	72.53 µg/Kg	-
13C2-PFUnA	8989	2.22	-	72.54 µg/Kg	-
13C2-PFDoA	9986	2.31	-	72.70 µg/Kg	-
13C2-PFTeDA	11183	2.46	-	63.61 µg/Kg	-
13C2-6:2-FTS	2646	1.83	-	85.54 µg/Kg	-
13C2-8:2 FTS	2340	2.10	-	77.49 µg/Kg	-
13C6-PFHxA	59488	1.41	-	1820.92 µg/Kg	-
13C9-PFDA	53458	2.12	-	1934.95 µg/Kg	-



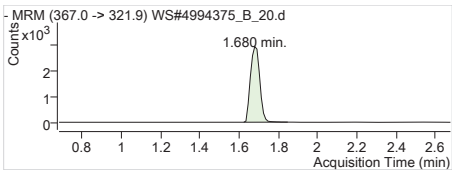


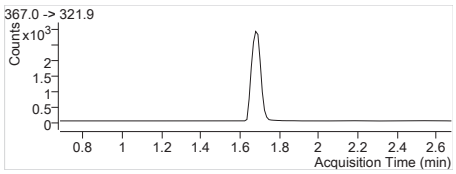
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



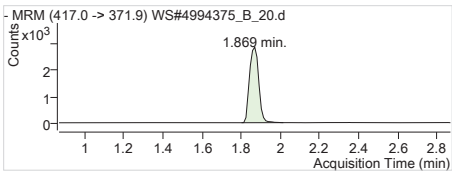


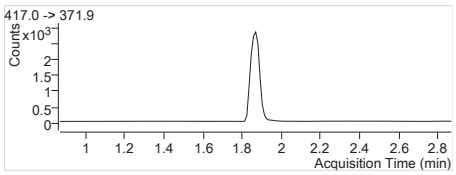
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



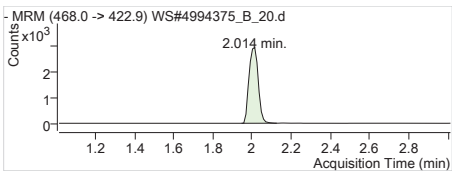


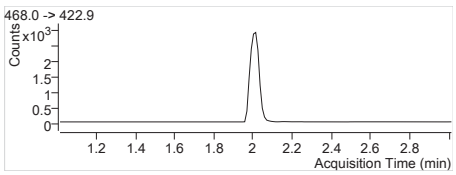
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



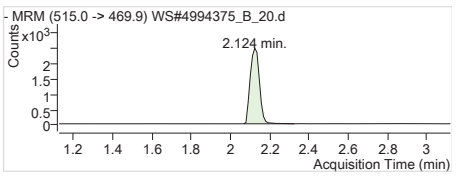


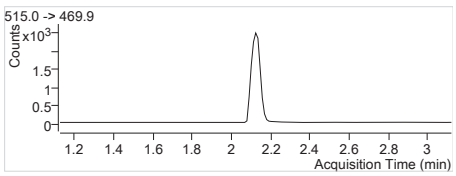
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



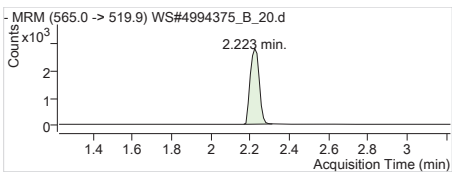


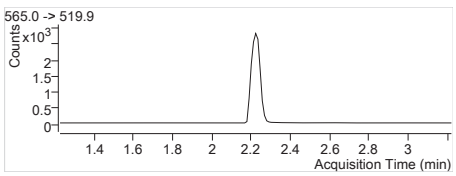
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



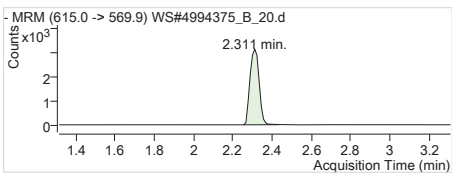


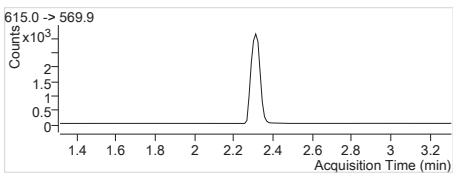
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



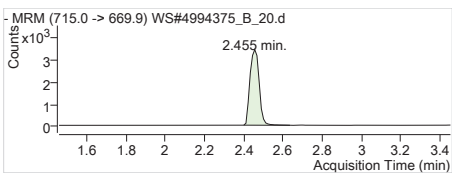


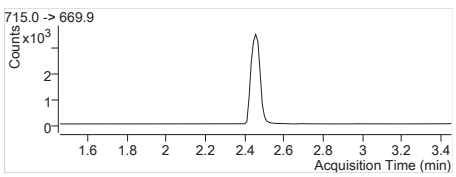
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



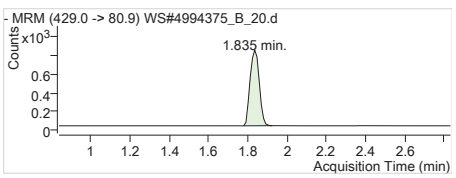


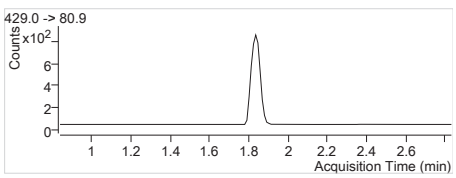
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



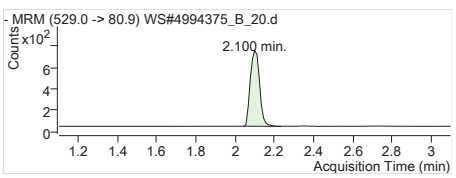


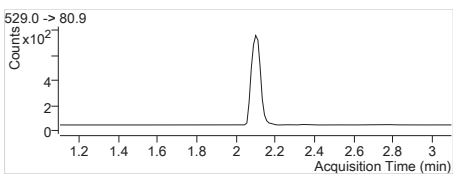
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



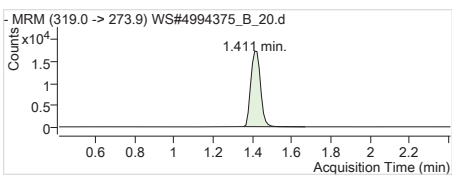


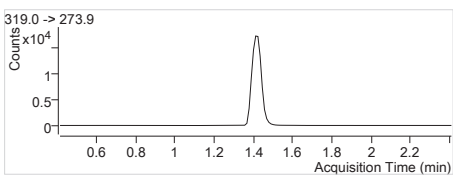
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



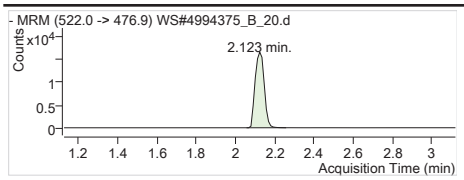


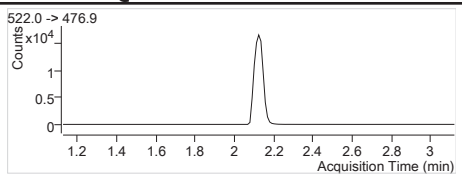
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



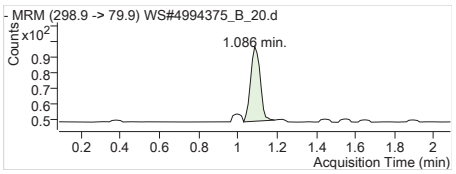


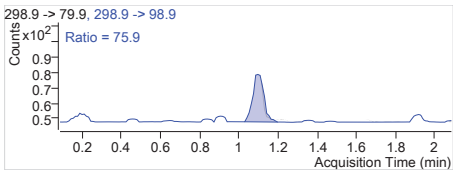
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



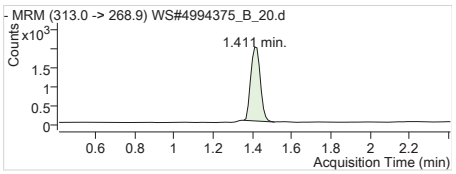


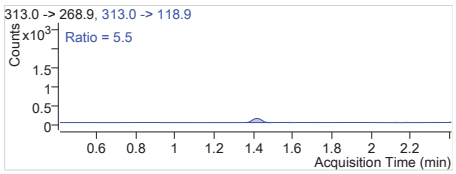
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



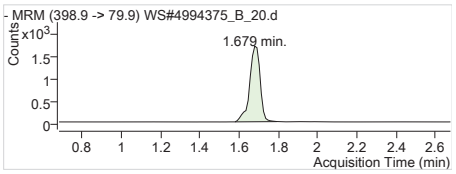


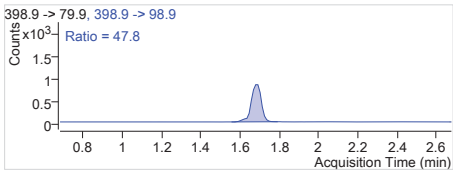
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.086 (1.087)
Calc. conc. 2.54 µg/Kg
Area ratio: 0.09988
Sample type: Sample



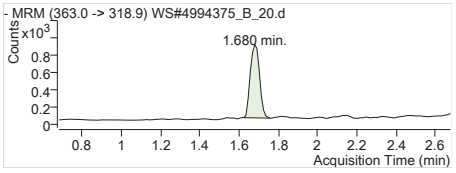


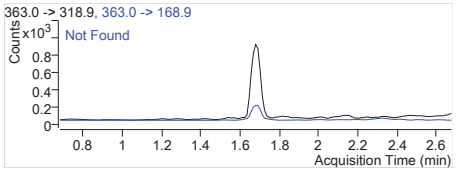
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 27.03 µg/Kg
Area ratio: 0.71651
Sample type: Sample



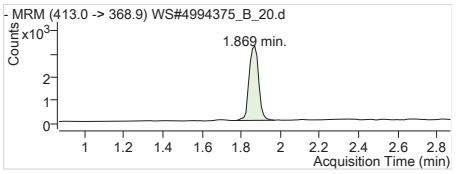


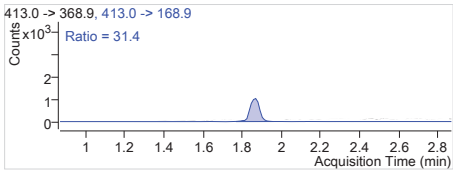
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 130.88 µg/Kg
Area ratio: 3.85080
Sample type: Sample



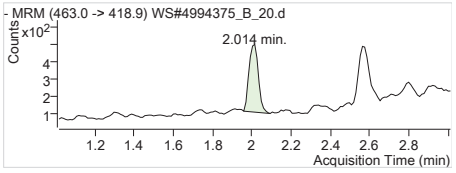


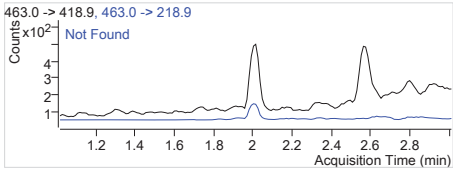
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 8.95 µg/Kg
Area ratio: 0.29235
Sample type: Sample



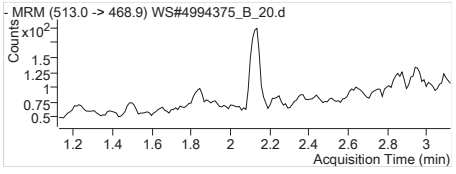


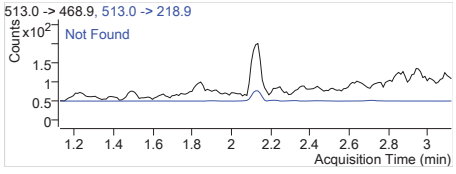
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 42.41 µg/Kg
Area ratio: 1.19512
Sample type: Sample



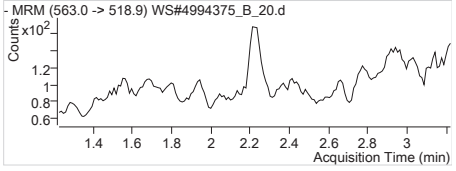


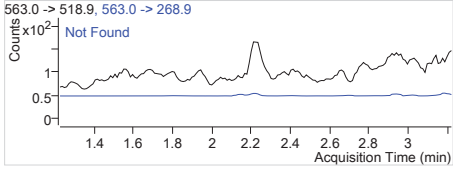
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 5.25 µg/Kg
Area ratio: 0.13703
Sample type: Sample



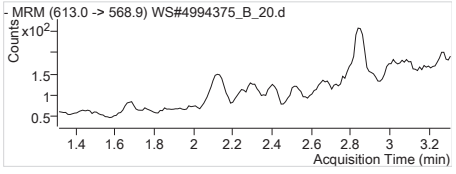


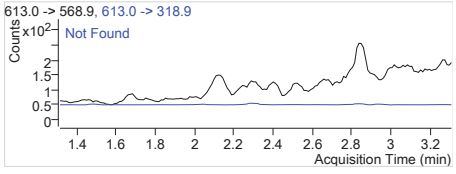
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



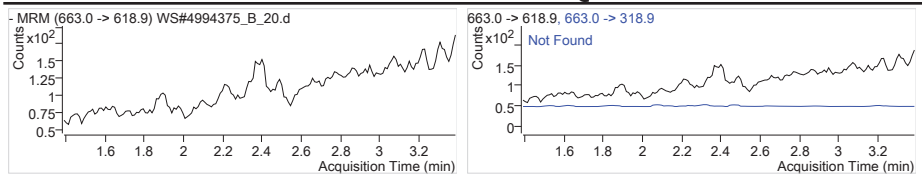


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

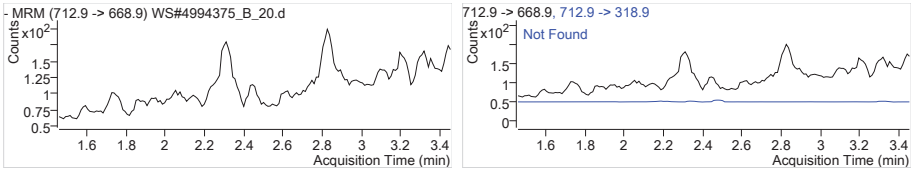




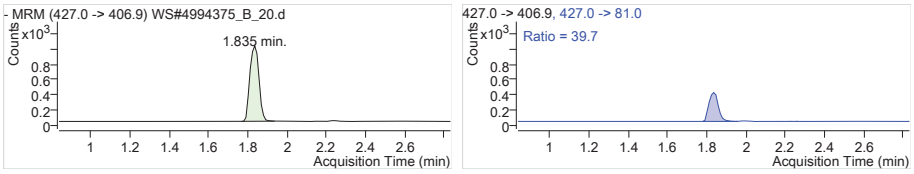
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



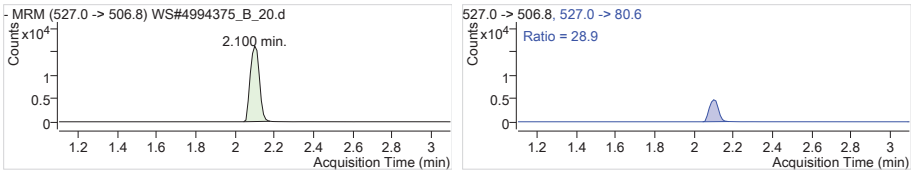
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



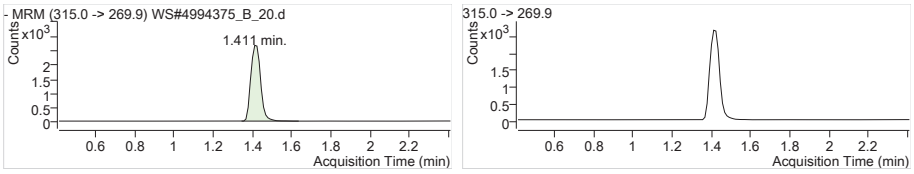
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



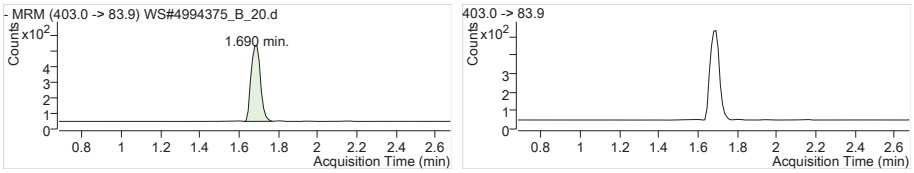
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 49.61 µg/Kg
Area ratio: 1.20899
Sample type: Sample



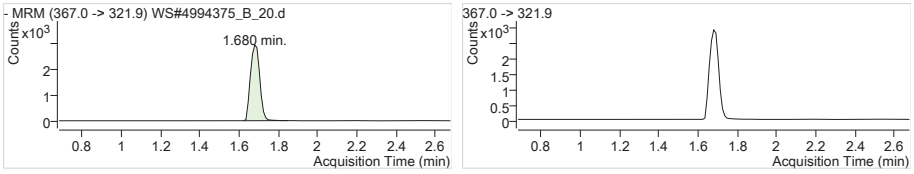
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 1038.15 µg/Kg
Area ratio: 22.32521
Sample type: Sample



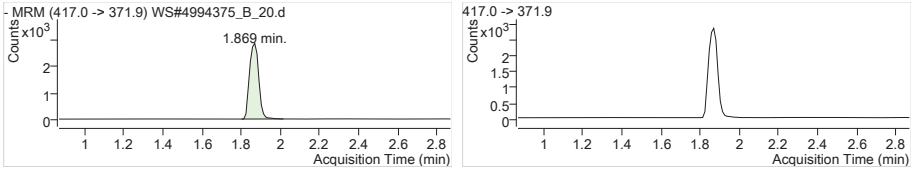
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 74.33 µg/Kg
Area ratio: 0.15435
Sample type: Sample



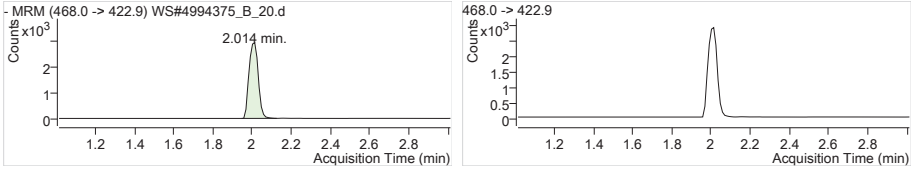
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 77.78 µg/Kg
Area ratio: 0.02727
Sample type: Sample



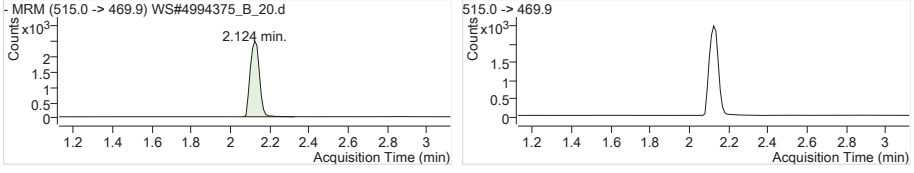
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 72.72 µg/Kg
Area ratio: 0.15997
Sample type: Sample



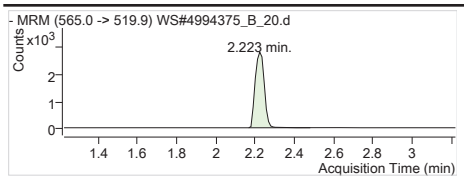
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 74.98 µg/Kg
Area ratio: 0.15447
Sample type: Sample

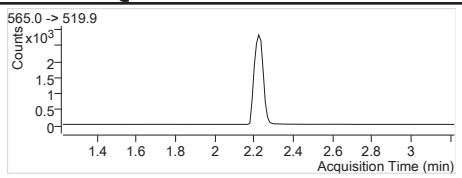


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 78.02 µg/Kg
Area ratio: 0.15776
Sample type: Sample

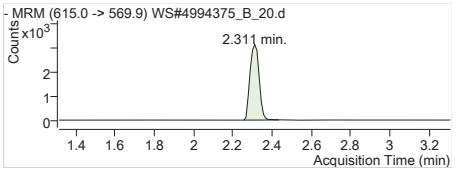


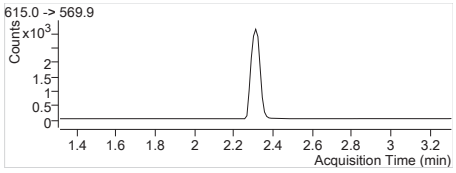
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 72.53 µg/Kg
Area ratio: 0.15072
Sample type: Sample



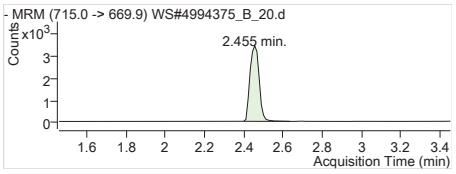


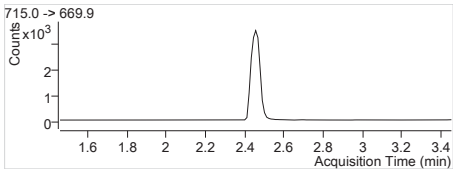
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 72.54 µg/Kg
Area ratio: 0.16811
Sample type: Sample



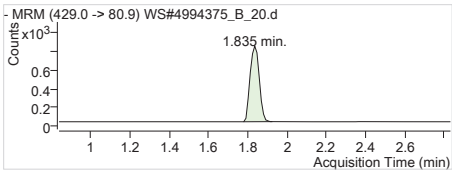


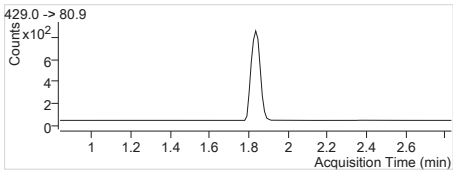
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 72.70 µg/Kg
Area ratio: 0.18676
Sample type: Sample



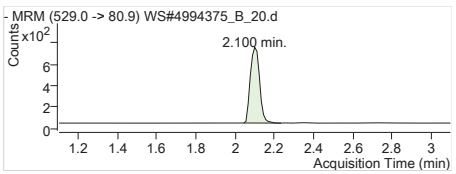


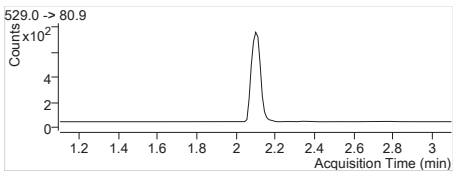
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 63.61 µg/Kg
Area ratio: 0.20915
Sample type: Sample



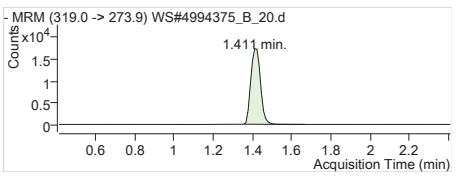


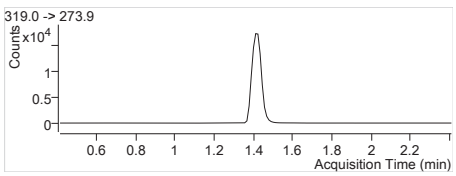
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 85.54 µg/Kg
Area ratio: 0.04448
Sample type: Sample



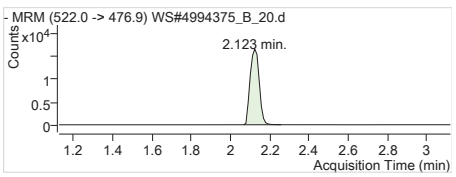


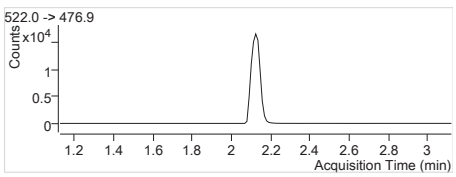
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 77.49 µg/Kg
Area ratio: 0.03934
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 1820.92 µg/Kg
Area ratio: 0
Sample type: Sample





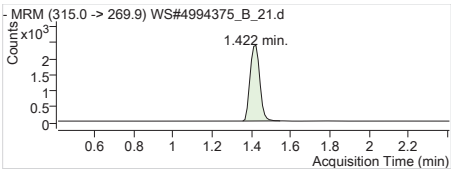
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 1934.95 µg/Kg
Area ratio: 0
Sample type: Sample

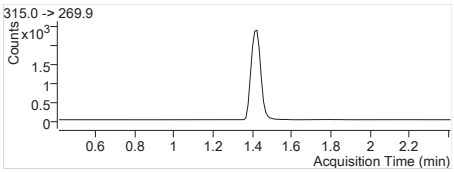
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:EJI419-01**	**Instrument**	LCMS04
Data File	WS#4994375_B_21.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.529
Acq. Method	PFC_Soil.m	**Position**	P1-D9
Acq. Date	2017/05/30 11:56:32 AM	**Injection Volume**	Per Method
Sample Annotation	Reported for all except PFOS, PFHxS, 8:2-FTS		

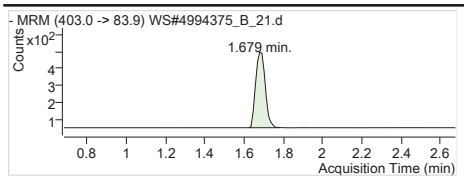
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8131	1.42	1 µg/Kg		
MPFHxS	1525	1.68	1 µg/Kg		
MPFHpA	9569	1.68	1 µg/Kg		
MPFOA	8962	1.87	1 µg/Kg		
MPFNA	7379	2.01	1 µg/Kg		
MPFDA	6775	2.12	1 µg/Kg		
MPFUnA	7051	2.22	1 µg/Kg		
MPFDoA	7712	2.31	1 µg/Kg		
MPFTeDA	8696	2.46	1 µg/Kg		
M2 6:2 FTS	2010	1.83	1 µg/Kg		
M2 8:2 FTS	1876	2.10	1 µg/Kg		
13C6-PFHxA IS	45770	1.42	1 µg/Kg		
13C9-PFDA IS	38965	2.12	1 µg/Kg		

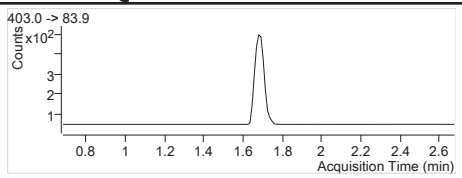
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	1265	1.10	-	2.17 µg/Kg	-
PFHxA 1	37277	1.41	-	17.38 µg/Kg	-
PFHxS 1	37502	1.68	-	83.94 µg/Kg	-
PFHpA 1	15893	1.68	-	5.87 µg/Kg	-
PFOA 1	65422	1.87	-	25.94 µg/Kg	-
PFNA 1	6823	2.01	-	3.74 µg/Kg	-
PFDA 1	1869	2.12	-	0.88 µg/Kg	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1	16859	1.84	-	36.13 µg/Kg	-
8:2-FTS 1	222971	2.10	-	553.68 µg/Kg	-
13C2-PFHxA	8131	1.42	-	85.55 µg/Kg	-
18O2-PFHxS	1525	1.68	-	95.05 µg/Kg	-
13C4-PFHpA	9569	1.68	-	95.04 µg/Kg	-
13C4-PFOA	8962	1.87	-	95.04 µg/Kg	-
13C5-PFNA	7379	2.01	-	79.73 µg/Kg	-
13C2-PFDA	6775	2.12	-	83.67 µg/Kg	-
13C2-PFUnA	7057	2.22	-	78.15 µg/Kg	-
13C2-PFDoA	7712	2.31	-	77.04 µg/Kg	-
13C2-PFTeDA	8696	2.46	-	67.88 µg/Kg	-
13C2-6:2-FTS	2010	1.83	-	84.45 µg/Kg	-
13C2-8:2 FTS	1876	2.10	-	80.74 µg/Kg	-
13C6-PFHxA	45770	1.42	-	140.09 µg/Kg	-
13C9-PFDA	38965	2.12	-	141.03 µg/Kg	-



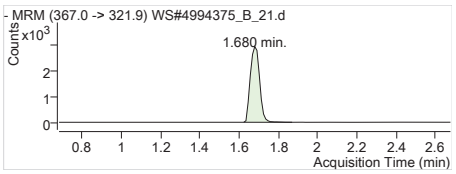


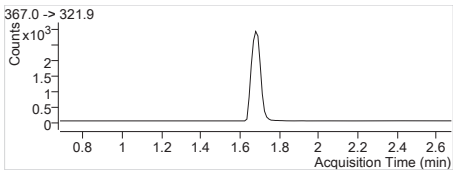
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



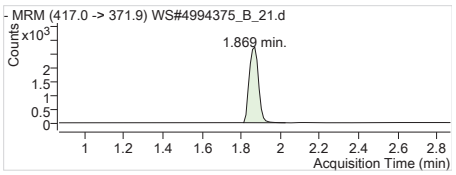


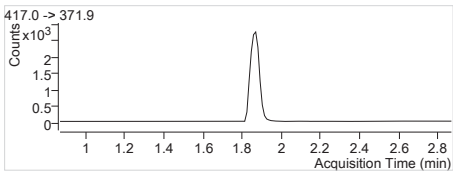
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



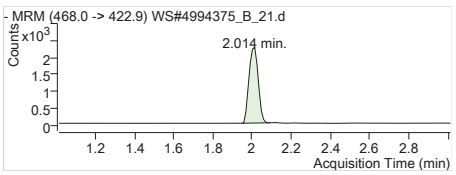


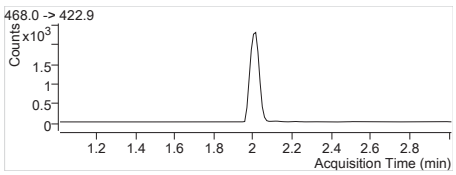
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



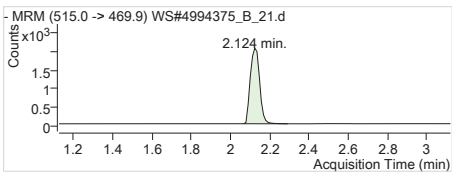


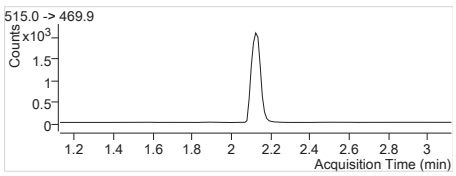
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



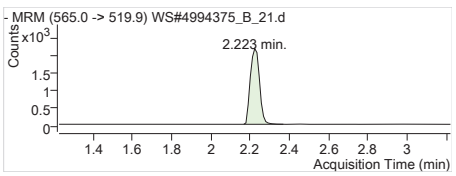


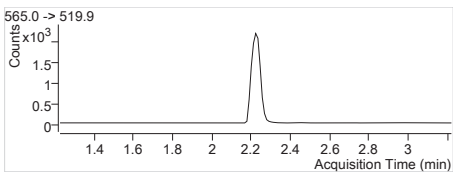
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



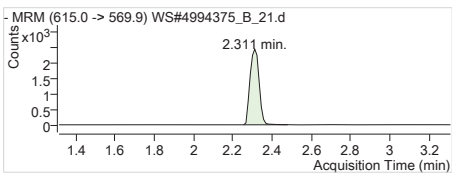


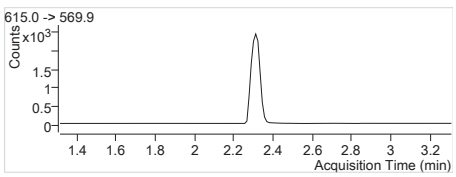
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



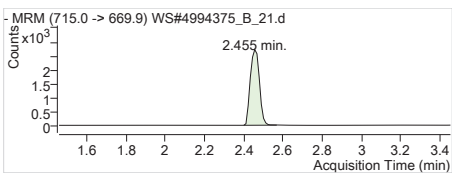


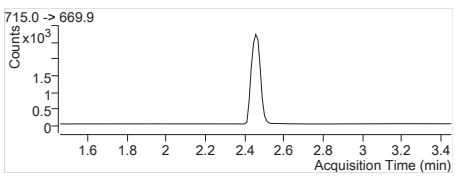
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



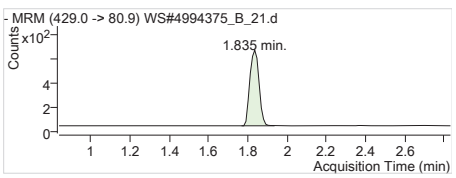


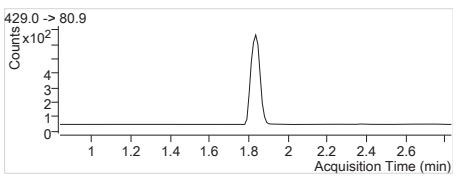
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



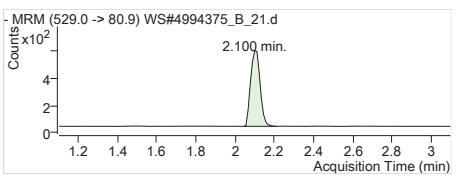


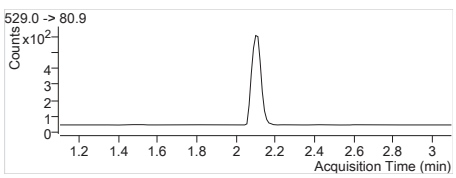
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



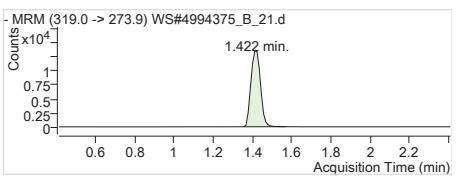


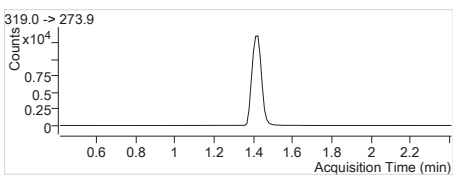
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



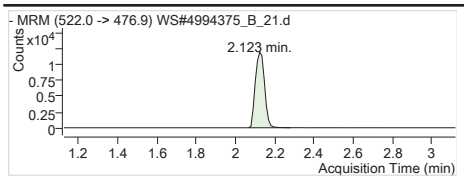


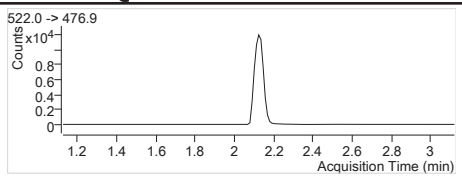
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



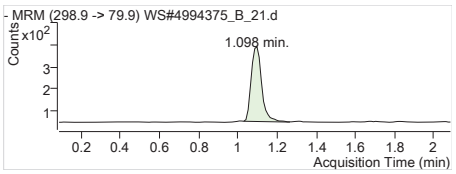


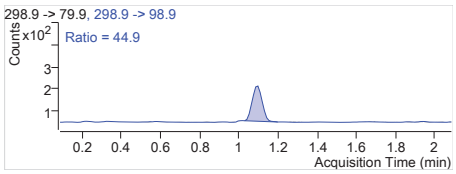
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



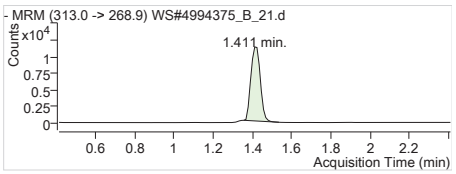


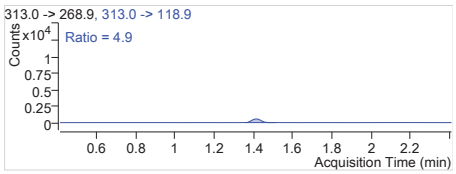
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



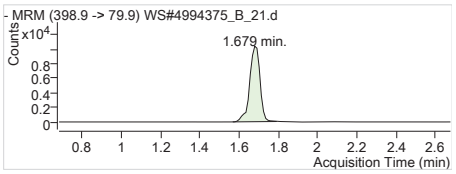


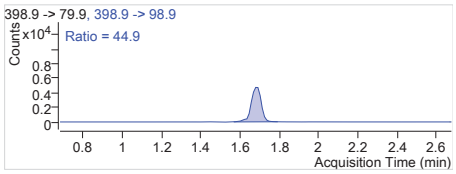
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.087)
Calc. conc. 2.17 µg/Kg
Area ratio: 0.82951
Sample type: Sample



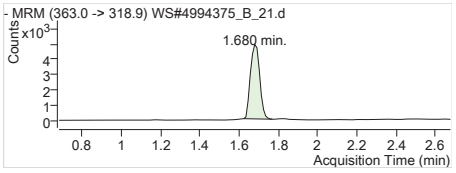


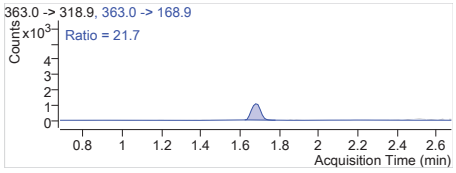
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 17.38 µg/Kg
Area ratio: 4.58455
Sample type: Sample



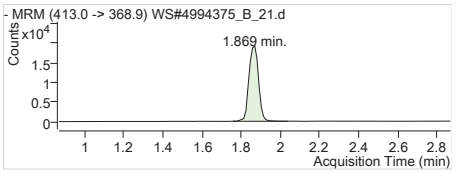


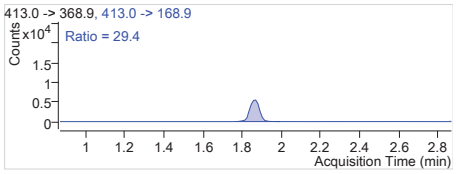
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 83.94 µg/Kg
Area ratio: 24.59148
Sample type: Sample



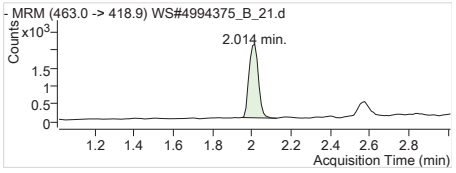


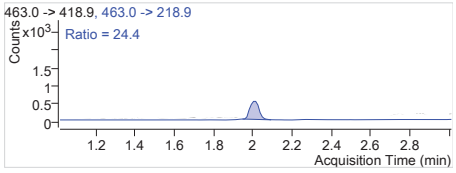
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 5.87 µg/Kg
Area ratio: 1.66088
Sample type: Sample



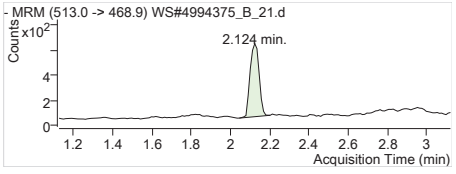


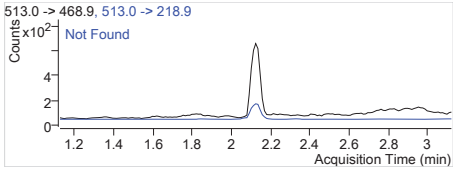
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 25.94 µg/Kg
Area ratio: 7.29993
Sample type: Sample



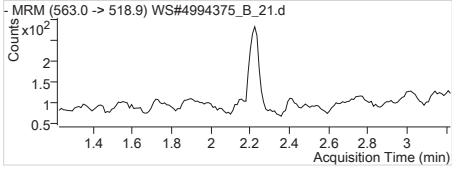


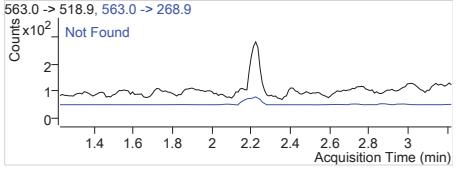
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 3.74 µg/Kg
Area ratio: 0.92465
Sample type: Sample



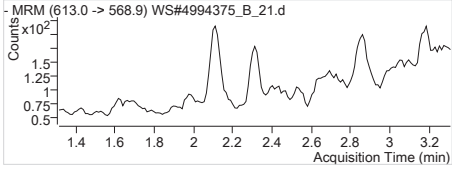


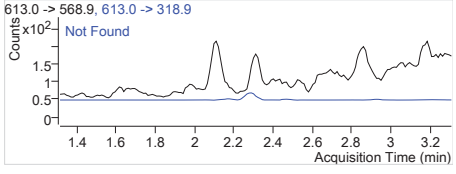
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 0.88 µg/Kg
Area ratio: 0.27587
Sample type: Sample



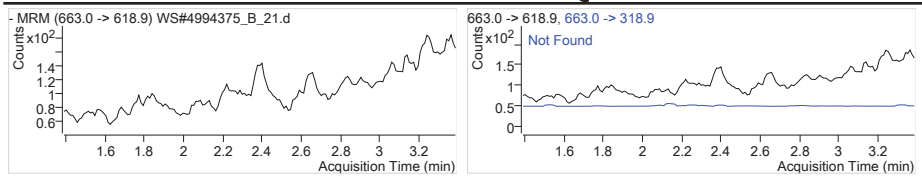


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

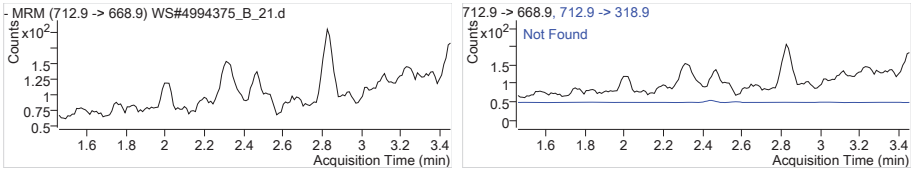




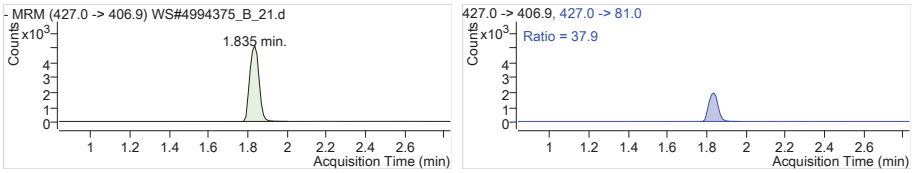
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



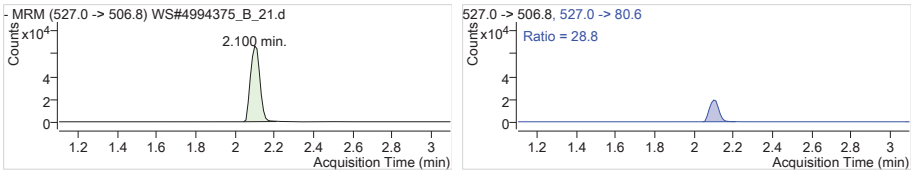
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



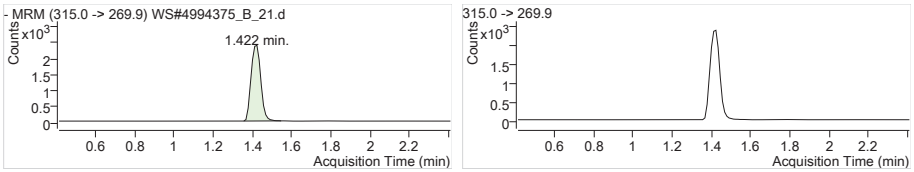
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



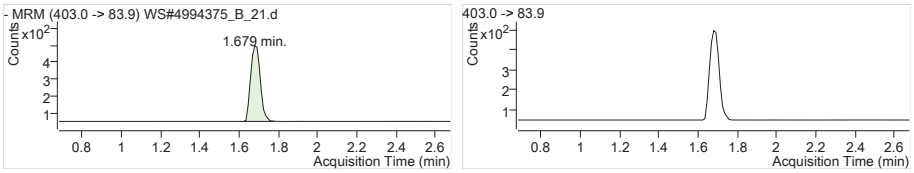
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 36.13 µg/Kg
Area ratio: 8.38756
Sample type: Sample



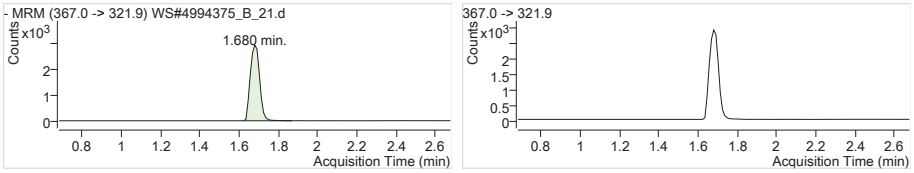
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 553.68 µg/Kg
Area ratio: 118.85448
Sample type: Sample



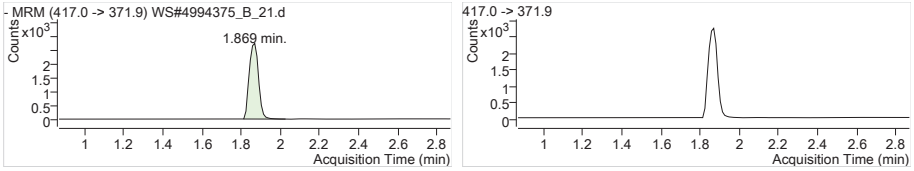
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 85.55 µg/Kg
Area ratio: 0.17765
Sample type: Sample



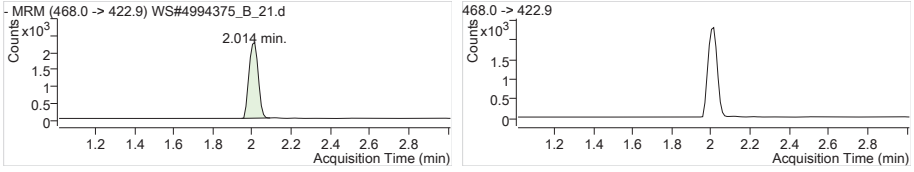
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 95.05 µg/Kg
Area ratio: 0.03332
Sample type: Sample



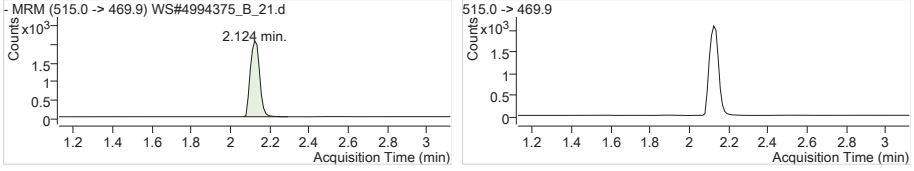
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 95.04 µg/Kg
Area ratio: 0.20907
Sample type: Sample



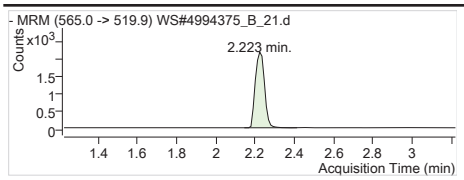
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 95.04 µg/Kg
Area ratio: 0.19581
Sample type: Sample

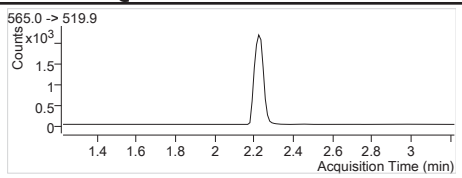


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 79.73 µg/Kg
Area ratio: 0.16122
Sample type: Sample

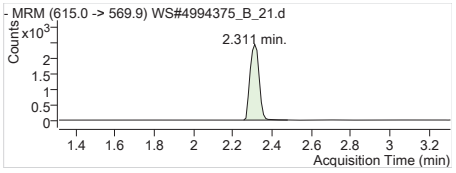


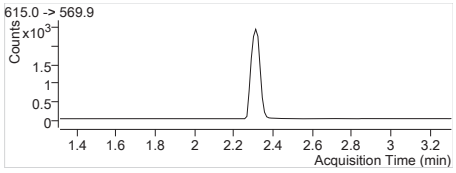
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 83.67 µg/Kg
Area ratio: 0.17387
Sample type: Sample



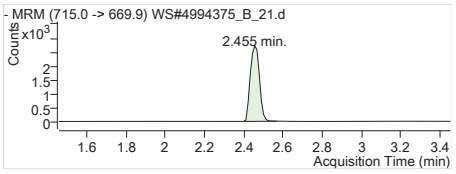


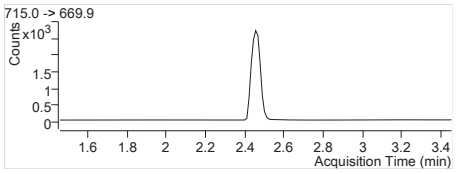
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 78.15 µg/Kg
Area ratio: 0.18111
Sample type: Sample



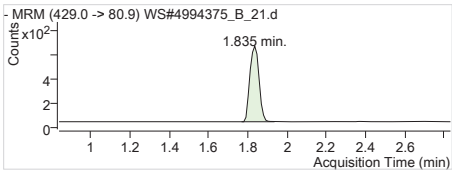


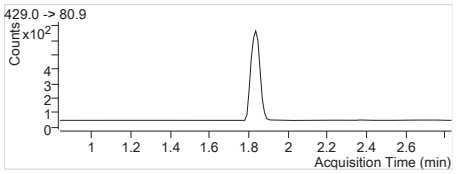
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 77.04 µg/Kg
Area ratio: 0.19792
Sample type: Sample



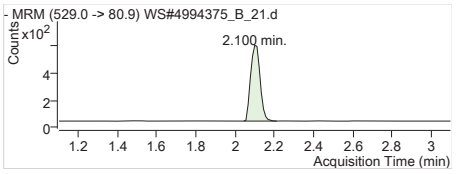


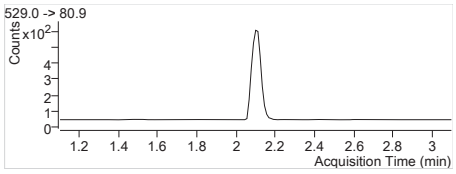
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 67.88 µg/Kg
Area ratio: 0.22317
Sample type: Sample



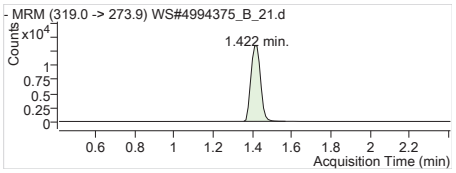


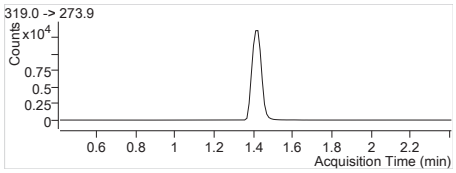
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 84.45 µg/Kg
Area ratio: 0.04392
Sample type: Sample



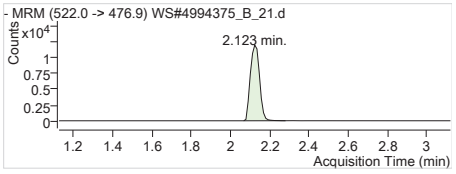


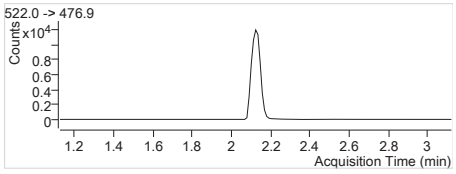
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 80.74 µg/Kg
Area ratio: 0.04099
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 140.09 µg/Kg
Area ratio: 0
Sample type: Sample





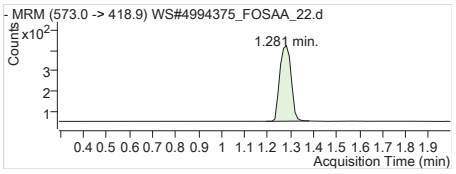
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 141.03 µg/Kg
Area ratio: 0
Sample type: Sample

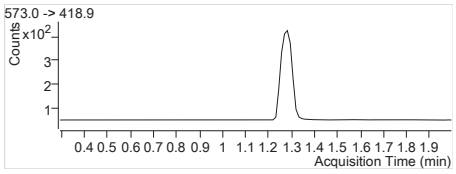
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:EJI395-01**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_22.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-C6
Acq. Date	2017/05/26 4:51:53 PM	**Injection Volume**	Per Method
Sample Annotation	-		

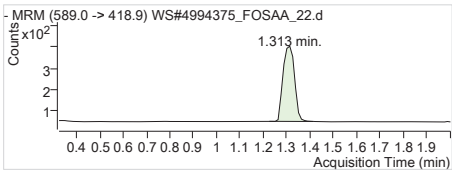
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1296	1.28	1 µg/Kg		
D5-EtFOSAA IS	1218	1.31	1 µg/Kg		
13C9-PFDA IS	28695	0.85	1 µg/Kg		

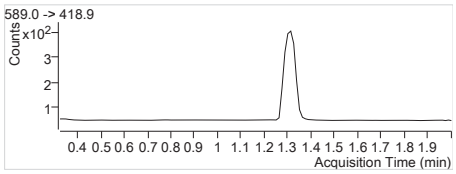
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1300	1.28	-	74.87 µg/Kg	-
D5-EtFOSAA	1226	1.31	-	78.87 µg/Kg	-
13C9-PFDA	29260	0.85	-	105.31 µg/Kg	-



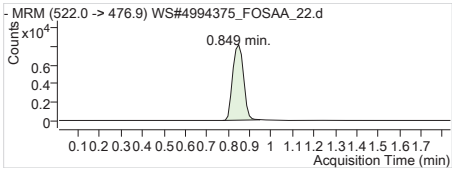


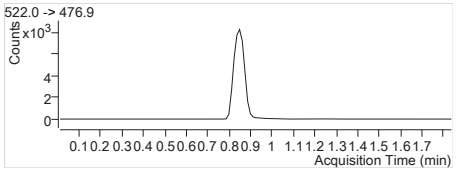
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



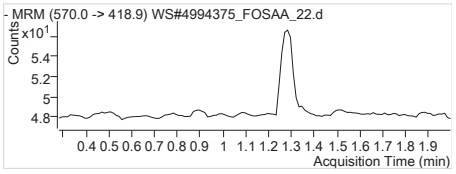


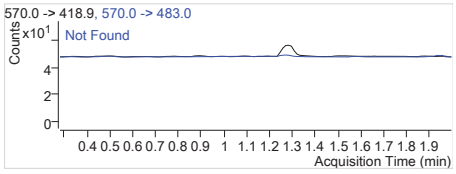
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



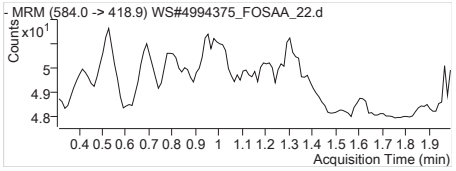


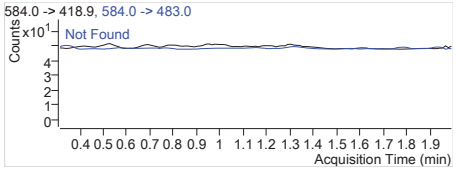
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



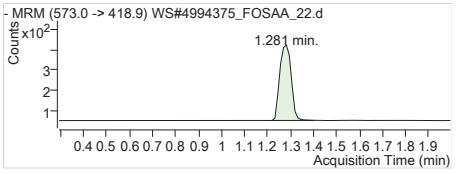


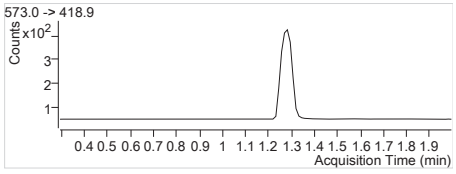
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



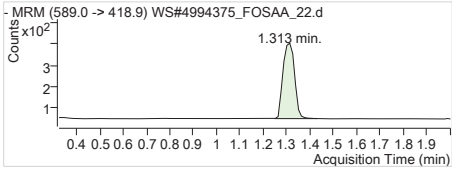


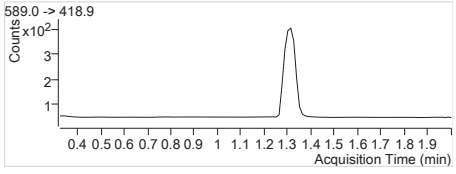
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



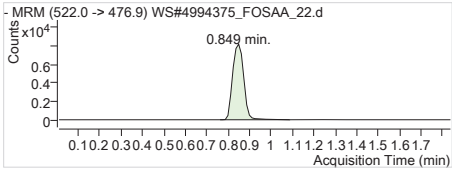


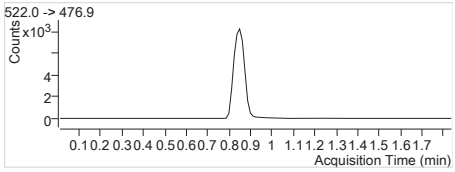
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 74.87 µg/Kg
Area ratio: 0.04531
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 78.87 µg/Kg
Area ratio: 0.04273
Sample type: Sample





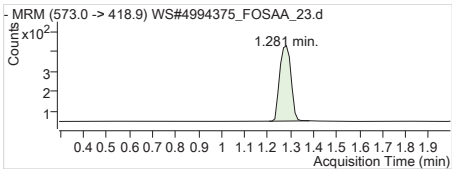
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	105.31 µg/Kg
Area ratio:	0
Sample type:	Sample

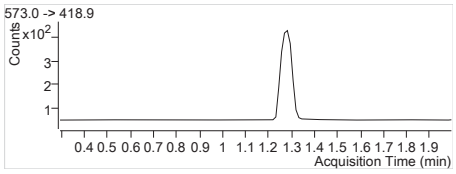
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:EJI397-01**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_23.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-C8
Acq. Date	2017/05/26 4:54:16 PM	**Injection Volume**	Per Method
Sample Annotation	-		

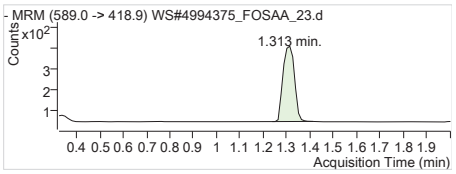
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1305	1.28	1 µg/Kg		
D5-EtFOSAA IS	1242	1.31	1 µg/Kg		
13C9-PFDA IS	29978	0.85	1 µg/Kg		

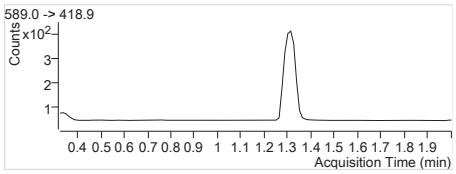
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1327	1.28	-	73.14 µg/Kg	-
D5-EtFOSAA	1261	1.31	-	77.64 µg/Kg	-
13C9-PFDA	30550	0.85	-	109.95 µg/Kg	-



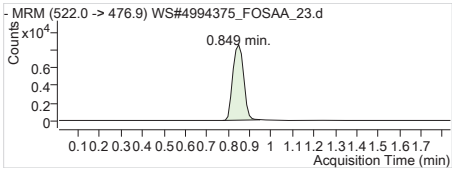


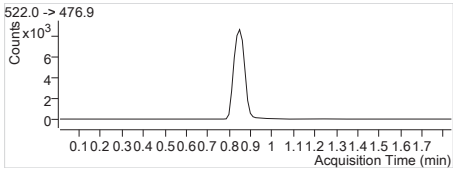
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



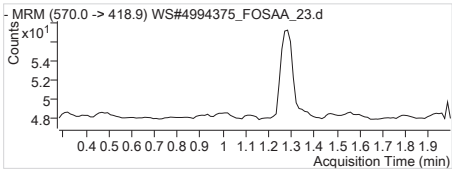


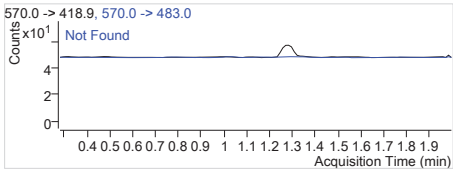
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



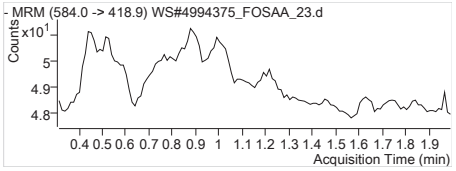


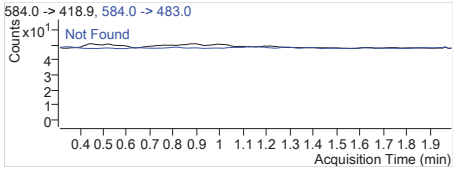
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



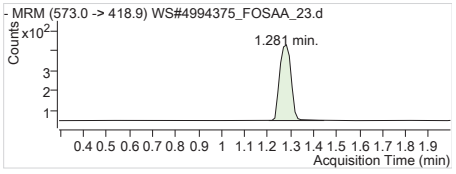


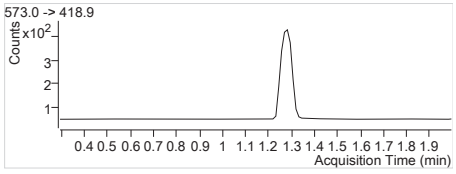
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



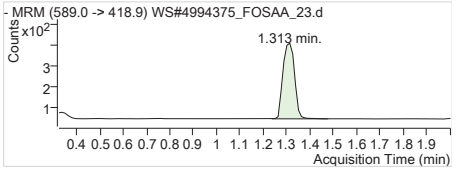


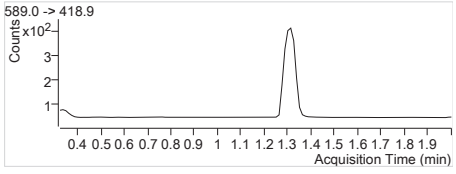
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



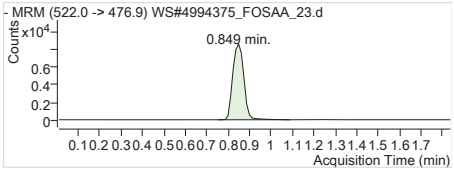


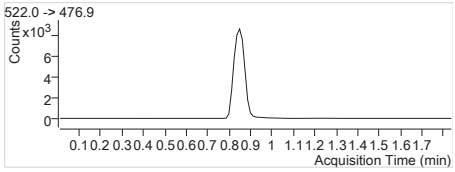
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 73.14 µg/Kg
Area ratio: 0.04426
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 77.64 µg/Kg
Area ratio: 0.04206
Sample type: Sample





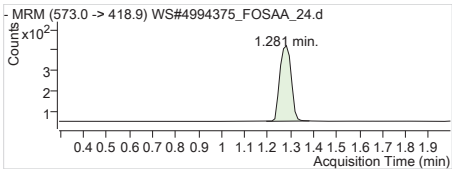
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	109.95 µg/Kg
Area ratio:	0
Sample type:	Sample

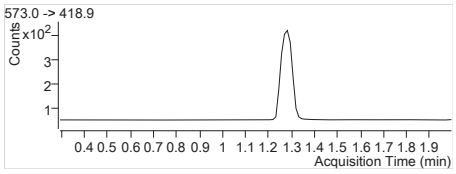
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:EJI406-01**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_24.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-D2
Acq. Date	2017/05/26 4:56:39 PM	**Injection Volume**	Per Method
Sample Annotation	-		

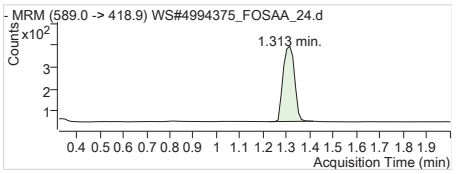
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1283	1.28	1 µg/Kg		
D5-EtFOSAA IS	1183	1.31	1 µg/Kg		
13C9-PFDA IS	28886	0.85	1 µg/Kg		

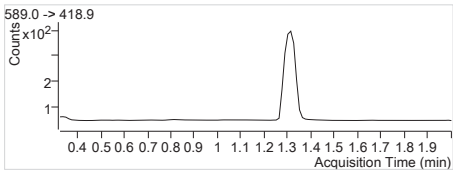
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1295	1.28	-	74.08 µg/Kg	-
D5-EtFOSAA	1205	1.31	-	76.99 µg/Kg	-
13C9-PFDA	29425	0.85	-	105.90 µg/Kg	-



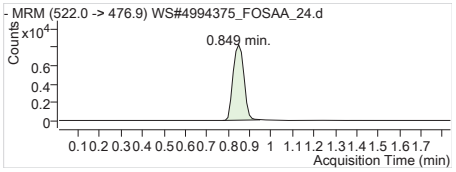


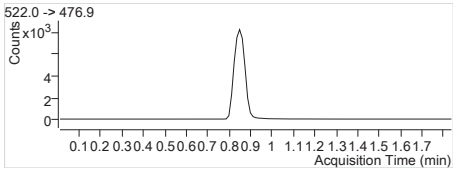
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



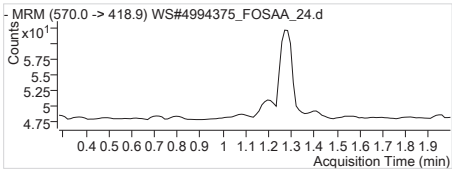


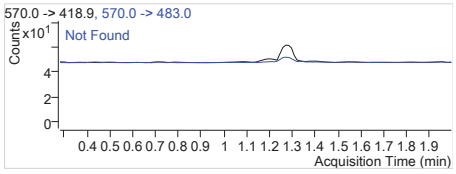
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



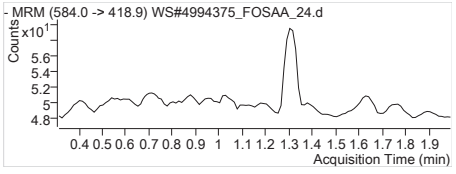


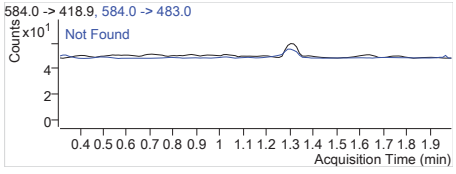
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



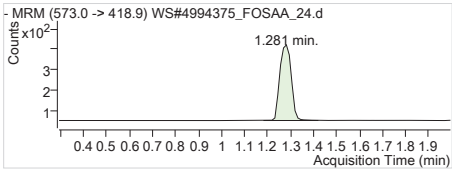


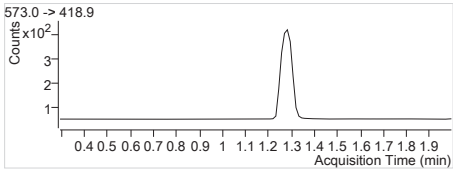
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



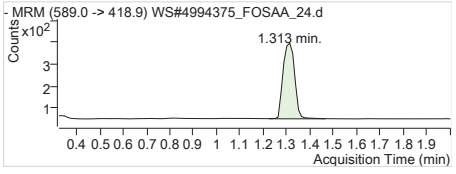


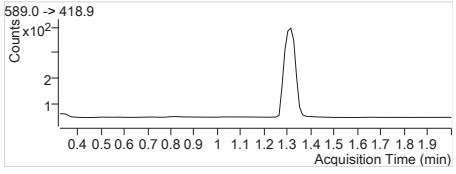
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



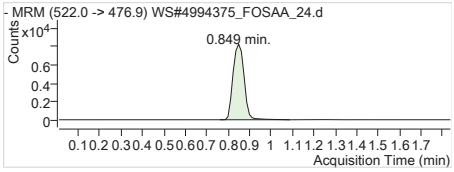


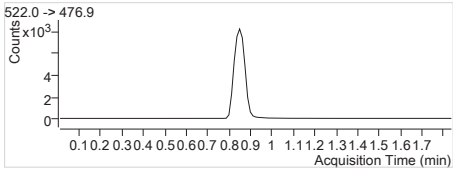
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 74.08 µg/Kg
Area ratio: 0.04483
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 76.99 µg/Kg
Area ratio: 0.04171
Sample type: Sample





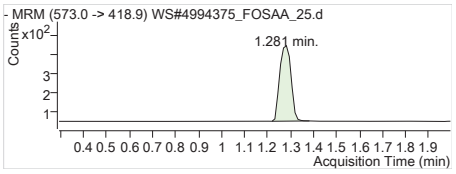
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	105.90 µg/Kg
Area ratio:	0
Sample type:	Sample

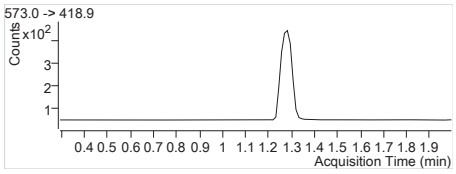
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:EJI414-01**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_25.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-D3
Acq. Date	2017/05/26 4:59:01 PM	**Injection Volume**	Per Method
Sample Annotation	-		

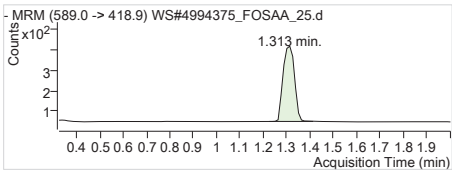
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1368	1.28	1 µg/Kg		
D5-EtFOSAA IS	1253	1.31	1 µg/Kg		
13C9-PFDA IS	30404	0.85	1 µg/Kg		

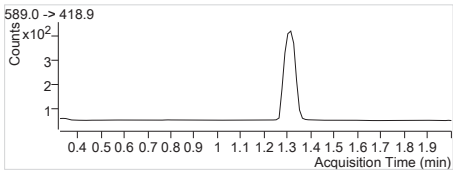
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1370	1.28	-	74.47 µg/Kg	-
D5-EtFOSAA	1259	1.31	-	76.42 µg/Kg	-
13C9-PFDA	30985	0.85	-	111.52 µg/Kg	-



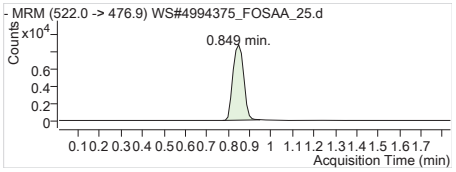


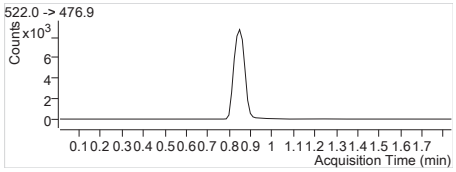
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



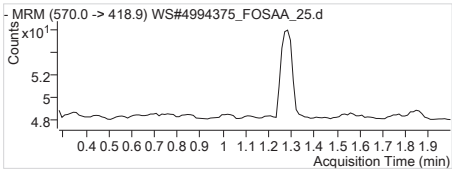


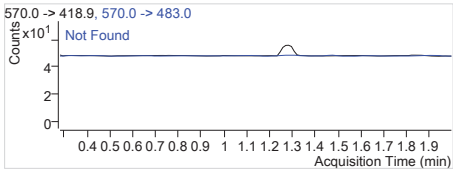
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



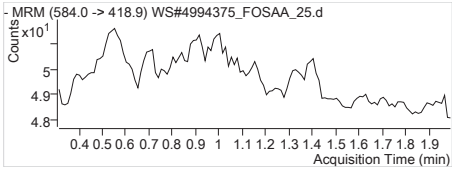


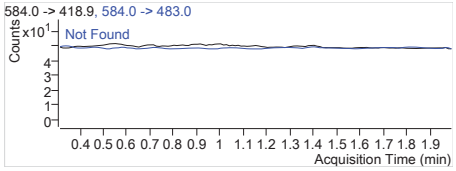
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



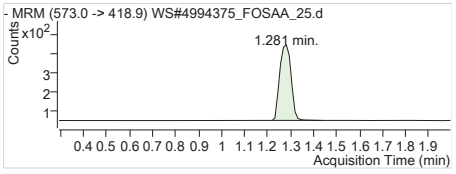


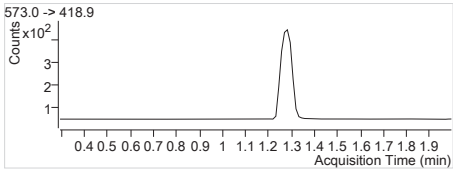
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



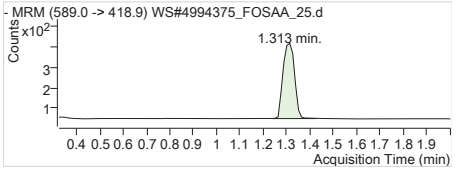


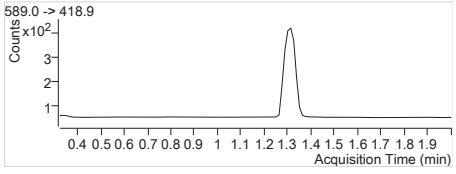
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



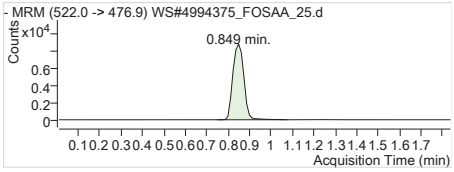


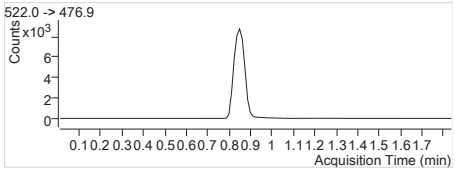
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 74.47 µg/Kg
Area ratio: 0.04507
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 76.42 µg/Kg
Area ratio: 0.04141
Sample type: Sample





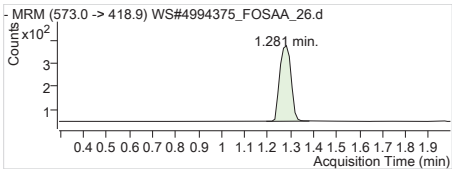
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	111.52 µg/Kg
Area ratio:	0
Sample type:	Sample

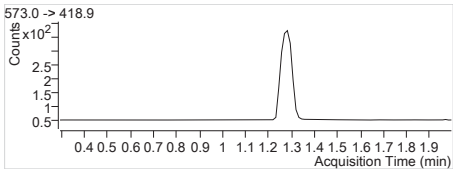
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:EJI415-01**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_26.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-D6
Acq. Date	2017/05/26 5:01:24 PM	**Injection Volume**	Per Method
Sample Annotation	-		

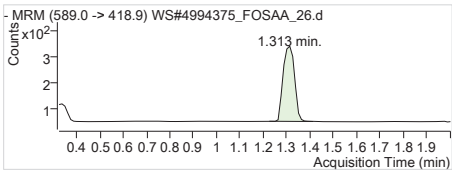
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1118	1.28	1 µg/Kg		
D5-EtFOSAA IS	991	1.31	1 µg/Kg		
13C9-PFDA IS	28876	0.85	1 µg/Kg		

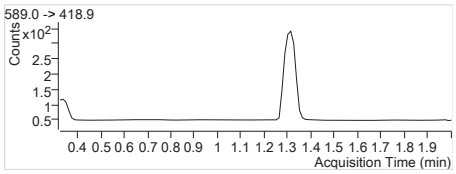
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1125	1.28	-	64.35 µg/Kg	-
D5-EtFOSAA	993	1.31	-	63.49 µg/Kg	-
13C9-PFDA	29438	0.85	-	105.95 µg/Kg	-



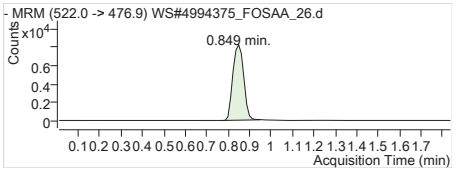


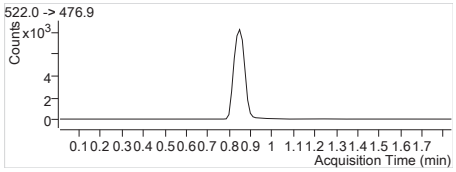
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



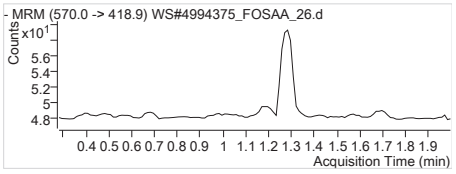


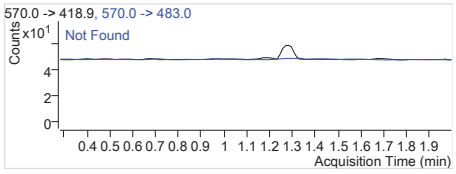
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



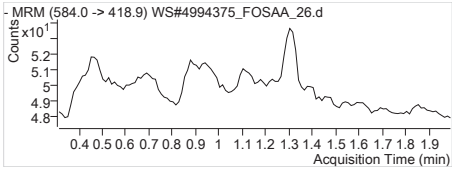


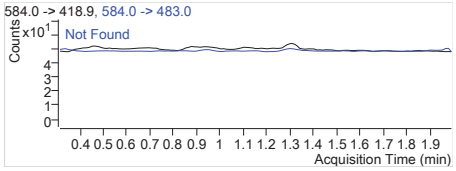
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



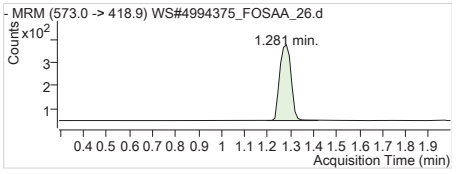


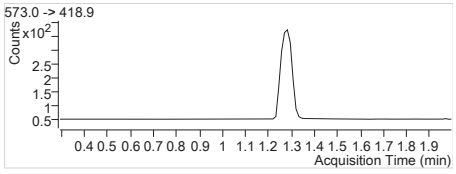
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



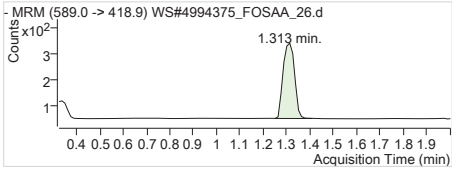


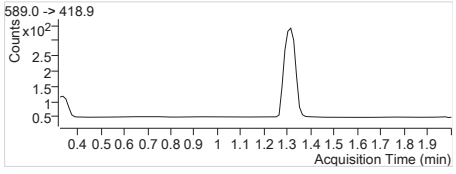
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



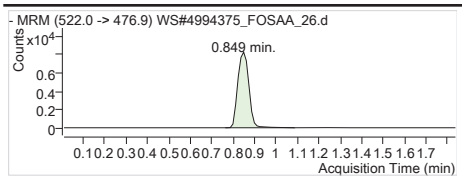


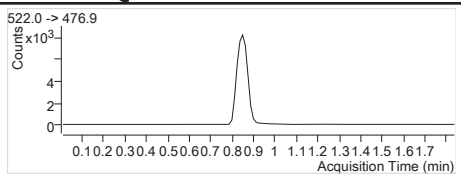
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 64.35 µg/Kg
Area ratio: 0.03895
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 63.49 µg/Kg
Area ratio: 0.03440
Sample type: Sample





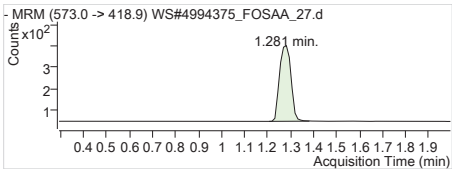
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	105.95 µg/Kg
Area ratio:	0
Sample type:	Sample

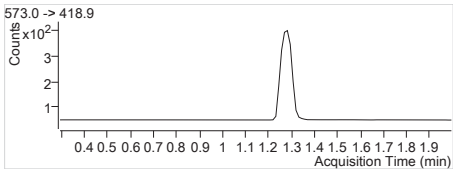
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:EJI419-01**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_27.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-D9
Acq. Date	2017/05/26 5:03:47 PM	**Injection Volume**	Per Method
Sample Annotation	-		

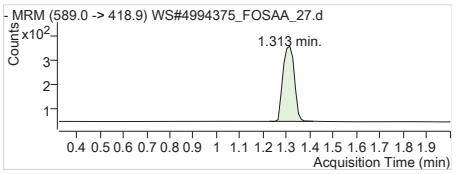
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1224	1.28	1 µg/Kg		
D5-EtFOSAA IS	1055	1.31	1 µg/Kg		
13C9-PFDA IS	27781	0.85	1 µg/Kg		

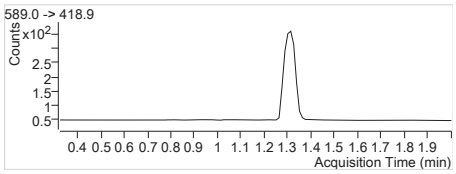
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	239	1.27	-	0.49 µg/Kg	-
EtFOSAA 1	101	1.30	-	0.33 µg/Kg	-
D3-MeFOSAA	1231	1.28	-	73.24 µg/Kg	-
D5-EtFOSAA	1060	1.31	-	70.43 µg/Kg	-
13C9-PFDA	28373	0.85	-	102.12 µg/Kg	-



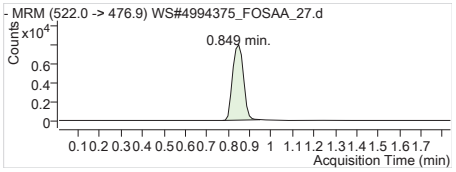


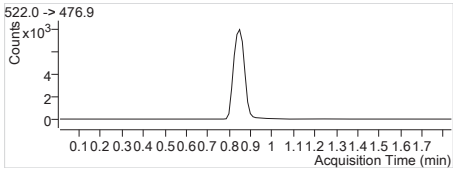
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



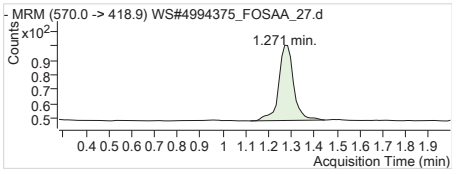


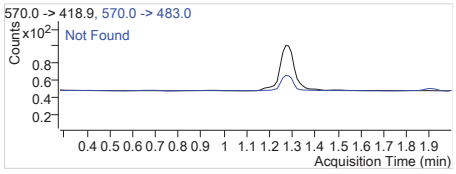
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



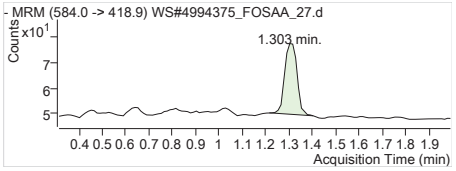


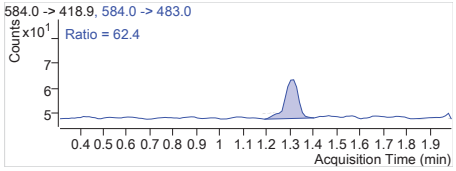
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



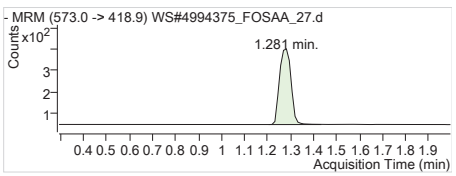


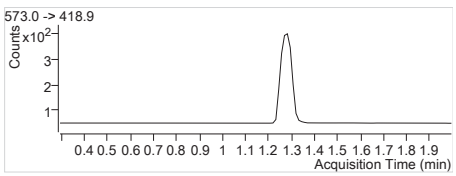
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 0.49 µg/Kg
Area ratio: 0.19526
Sample type: Sample



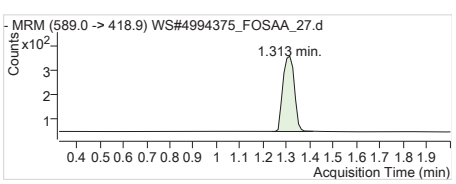


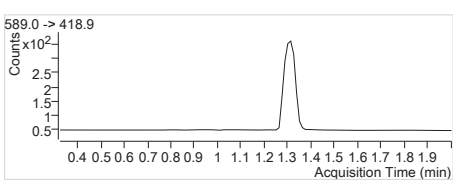
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 0.33 µg/Kg
Area ratio: 0.09573
Sample type: Sample



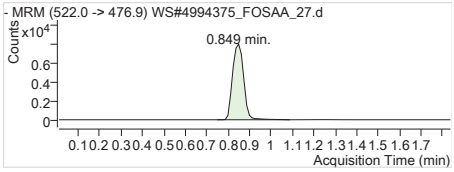


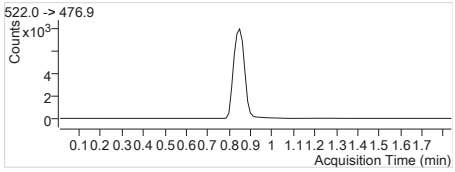
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 73.24 µg/Kg
Area ratio: 0.04432
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 70.43 µg/Kg
Area ratio: 0.03816
Sample type: Sample





13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	102.12 µg/Kg
Area ratio:	0
Sample type:	Sample

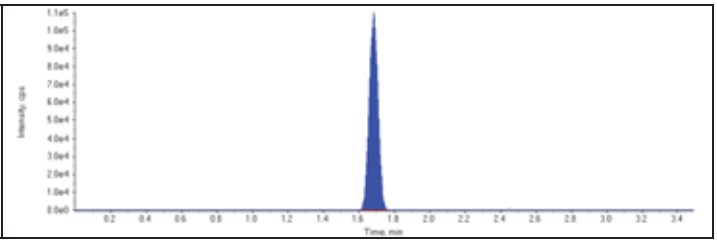
Sample ID	**5023570~EJI413-01:10x**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	14
Acquisition Date	2017/06/13 3:32:55 PM	**Dilution Factor**	12.7
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	372000.	1.68	1.00	-
MPFOA	308000.	1.86	1.00	-
MPFOS	141000.	1.97	1.00	-
MPFNA	388000.	2.01	1.00	-
MPFDA	356000.	2.12	1.00	-
M2 8:2 FTS	80100.	2.09	1.00	-
13C6-PFHxA IS	1070000.	1.41	0.0787	-
13C9-PFDA IS	1150000.	2.11	0.0787	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1280	1.86	N/A	0.743	N/A
PFOS 1	103000	1.97	N/A	23.2	N/A
PFOS 2	37800	1.97	N/A	26.3	N/A
PFNA 1	6400	2.01	N/A	1.23	N/A
PFNA 2	987	2.00	N/A	N/A	N/A
PFDA 1	5420	2.12	N/A	0.889	N/A
PFDA 2	1160	2.12	N/A	1.69	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	372000	1.68	N/A	94.9	N/A
13C4-PFOA	308000	1.86	N/A	93.6	N/A
13C4-PFOS	141000	1.97	N/A	94.2	N/A
13C5-PFNA	388000	2.01	N/A	103.	N/A
13C2-PFDA	356000	2.12	N/A	93.5	N/A
13C2-8:2 FTS	80100	2.09	N/A	81.1	N/A
13C6-PFHxA	1070000	1.41	N/A	1320.	N/A
13C9-PFDA	1150000	2.11	N/A	1330.	N/A

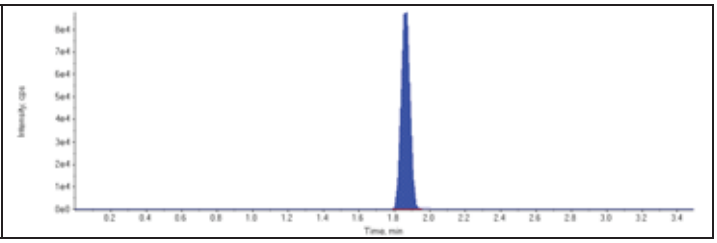
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



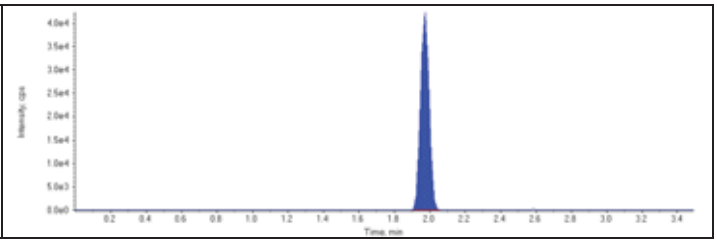
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



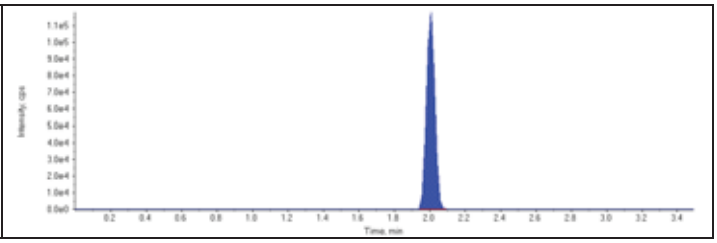
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



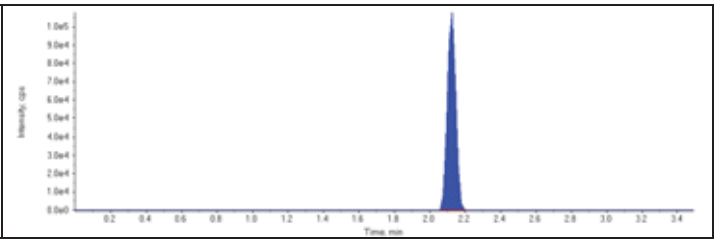
MPFNA (Internal Standard)

RT (Exp. RT): 2.01(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



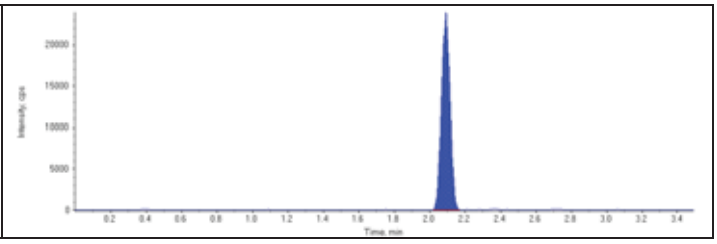
MPFDA (Internal Standard)

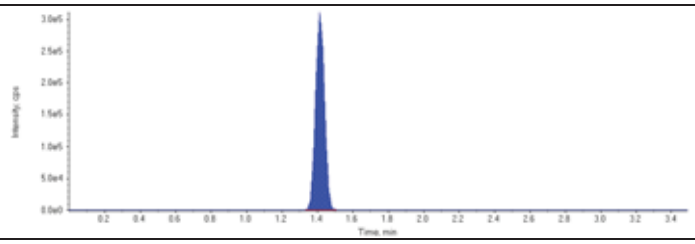
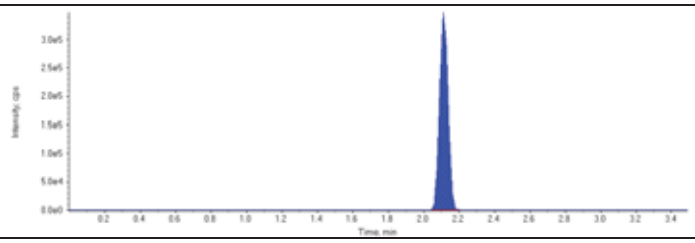
RT (Exp. RT): 2.12(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

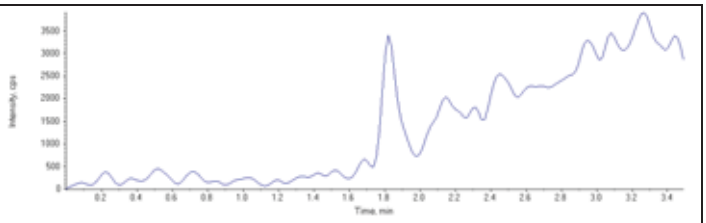
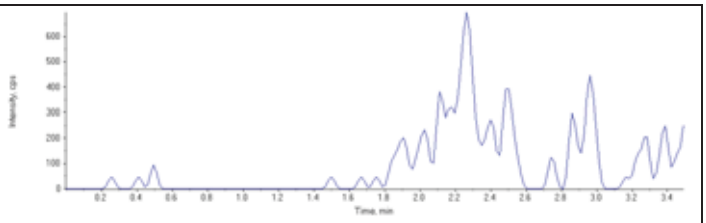
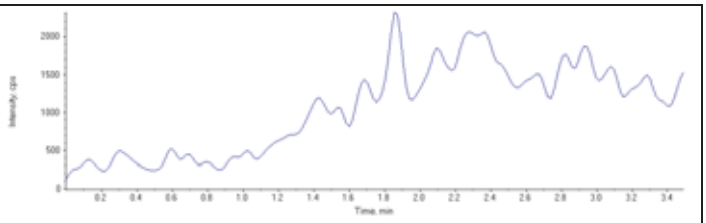
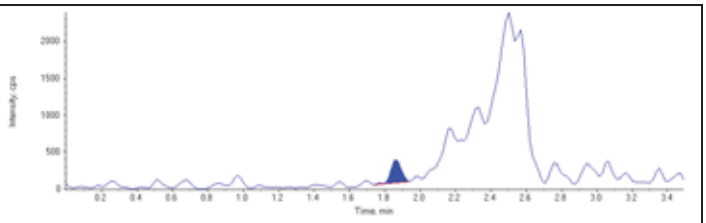
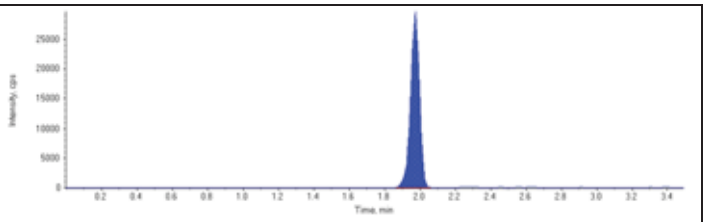
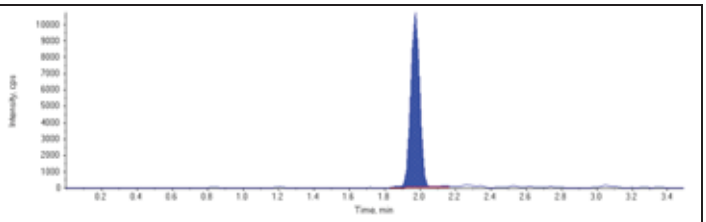


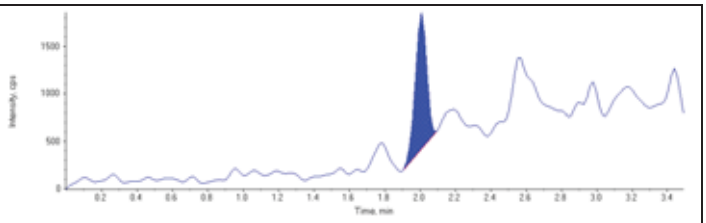
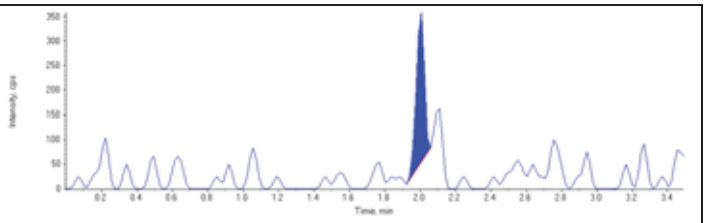
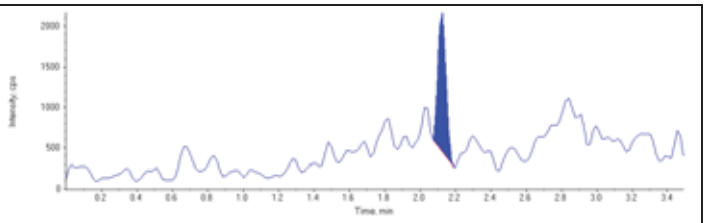
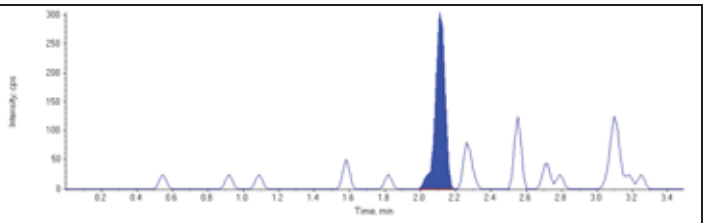
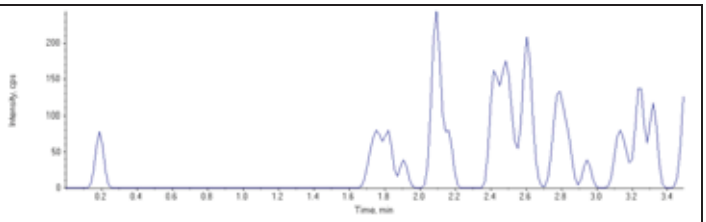
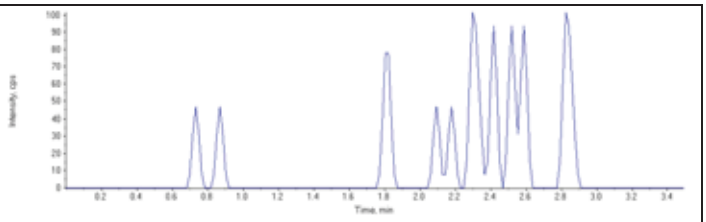
M2 8:2 FTS (Internal Standard)

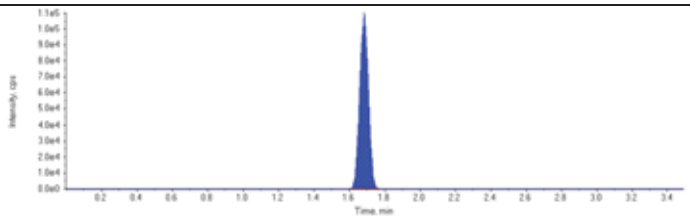
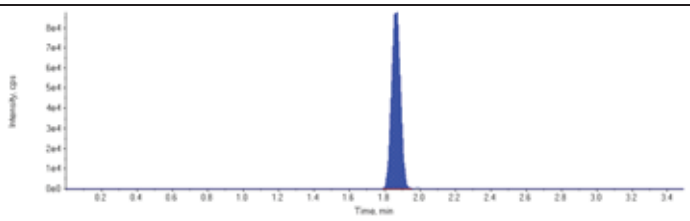
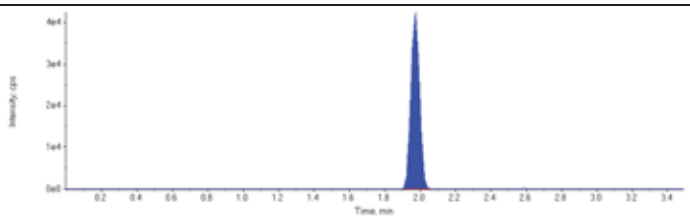
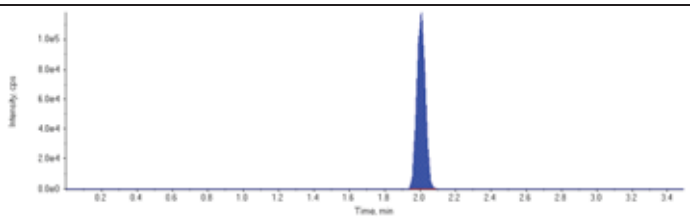
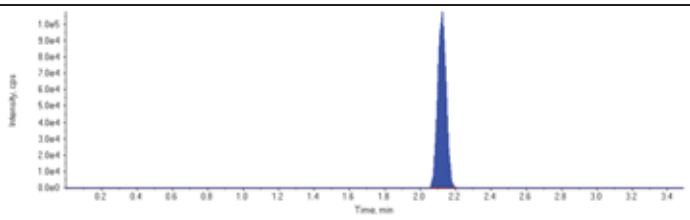
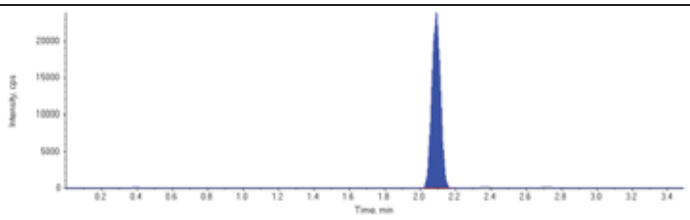
RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

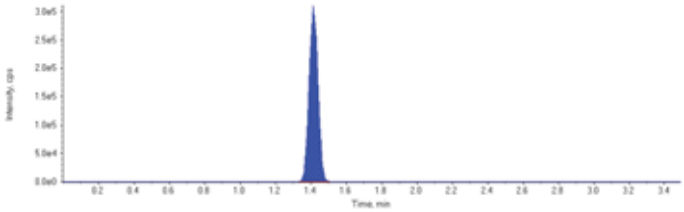
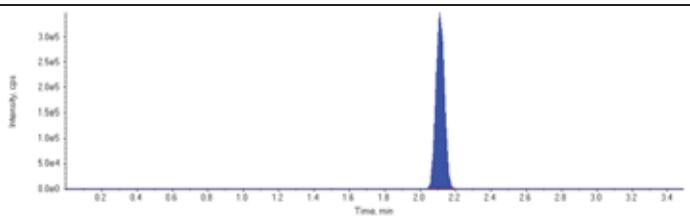


13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.0787 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.0787 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 0.743 µg/kg Area Ratio: 0.00414 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 23.2 µg/kg Area Ratio: 0.730 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 26.3 µg/kg Area Ratio: 0.267 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 1.23 µg/kg Area Ratio: 0.0165 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00254 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 0.889 µg/kg Area Ratio: 0.0152 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 1.69 µg/kg Area Ratio: 0.00325 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

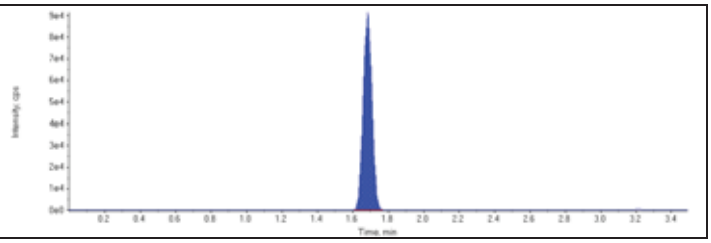
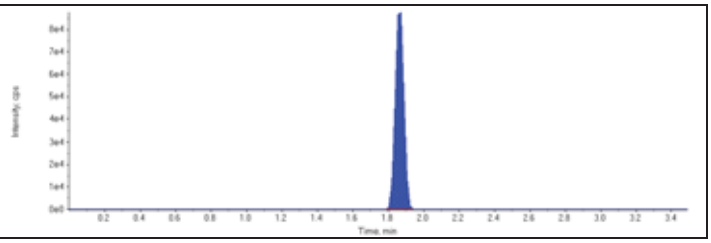
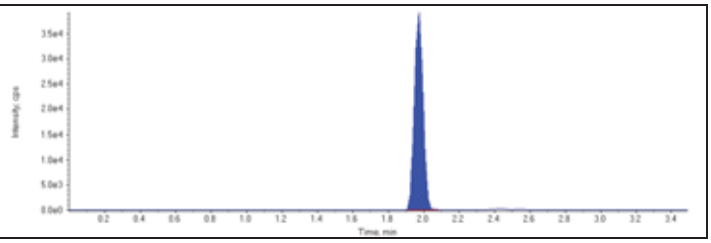
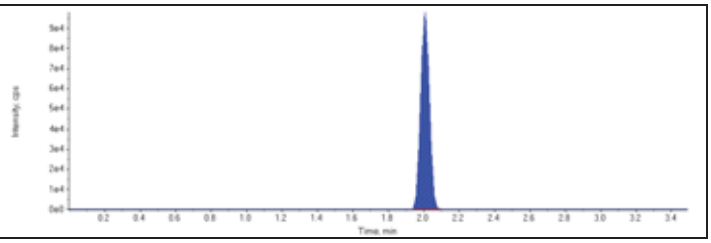
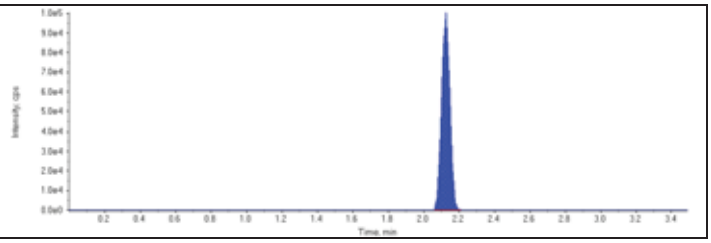
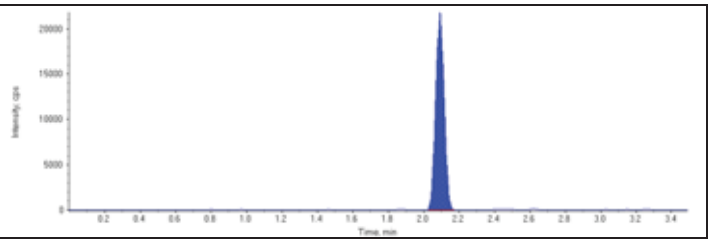
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 94.9 µg/kg Area Ratio: 0.347 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 93.6 µg/kg Area Ratio: 0.287 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 94.2 µg/kg Area Ratio: 0.132 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 103. µg/kg Area Ratio: 0.362 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 93.5 µg/kg Area Ratio: 0.310 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 81.1 µg/kg Area Ratio: 0.0747 Sample Type: (Unknown)	

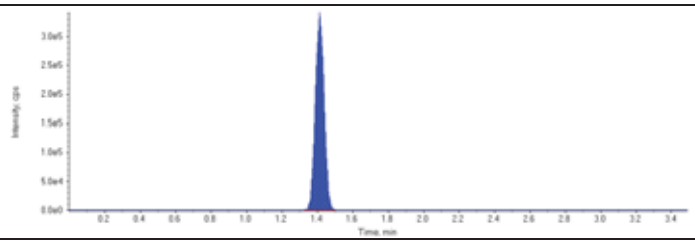
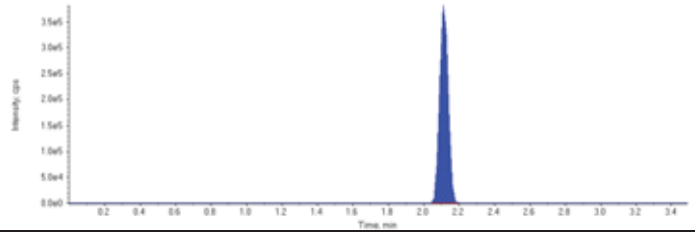
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 1320. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 1330. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

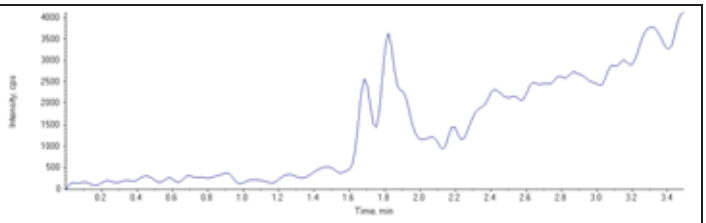
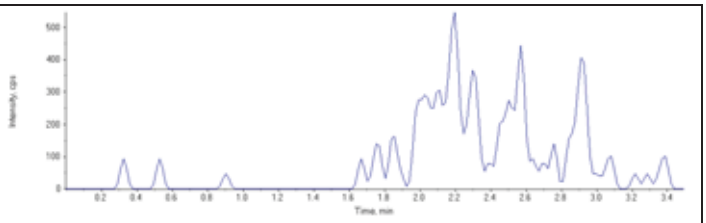
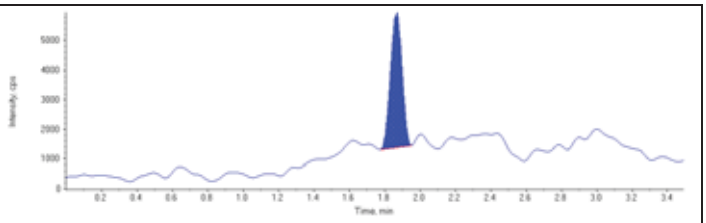
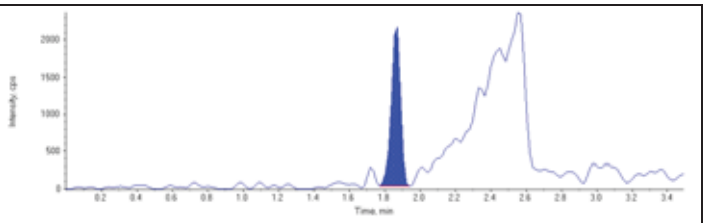
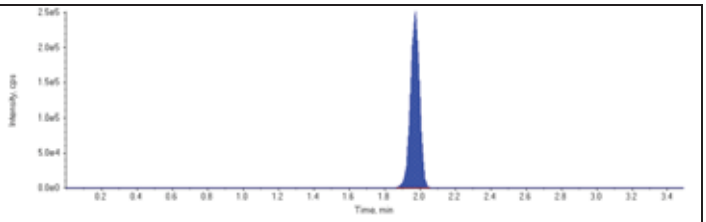
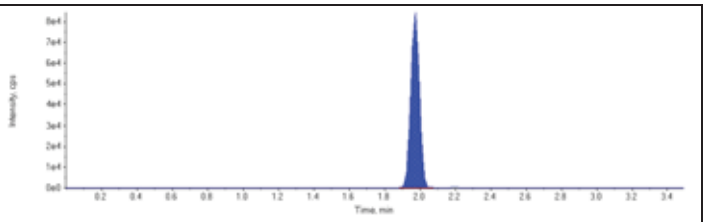
Sample ID	**5023570~EJI413-01**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	15
Acquisition Date	2017/06/13 3:37:58 PM	**Dilution Factor**	1.27
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	Reported for PFHpA, PFOA, PFOS, PFNA, PFDA, 8:2FTS only		

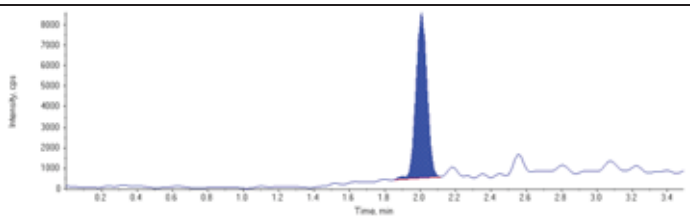
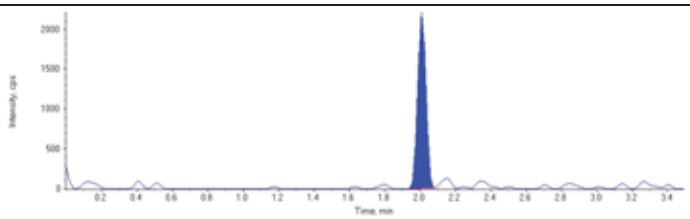
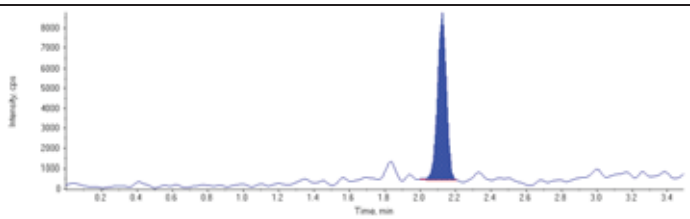
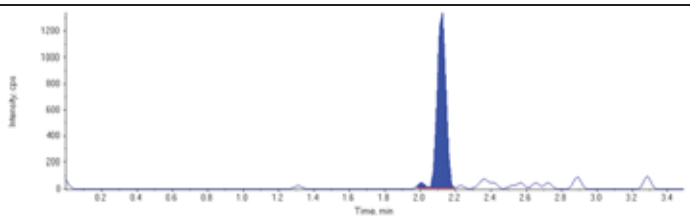
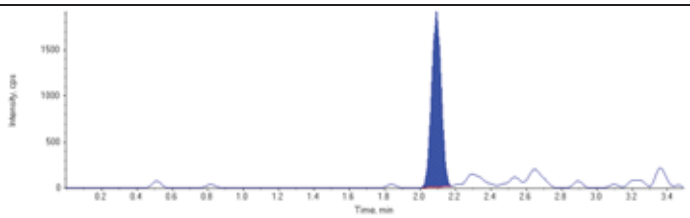
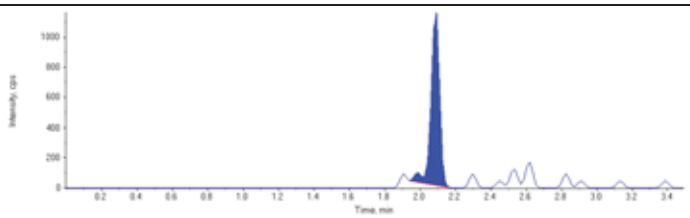
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	310000.	1.68	1.00	-
MPFOA	307000.	1.86	1.00	-
MPFOS	132000.	1.97	1.00	-
MPFNA	329000.	2.01	1.00	-
MPFDA	329000.	2.12	1.00	-
M2 8:2 FTS	72900.	2.09	1.00	-
13C6-PFHxA IS	1160000.	1.41	0.787	-
13C9-PFDA IS	1260000.	2.11	0.787	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

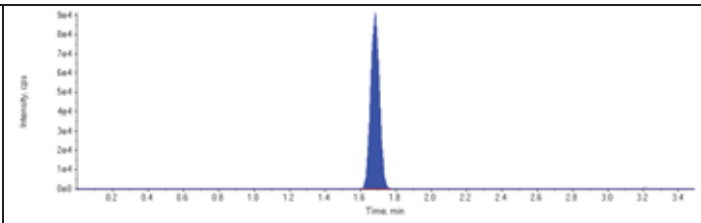
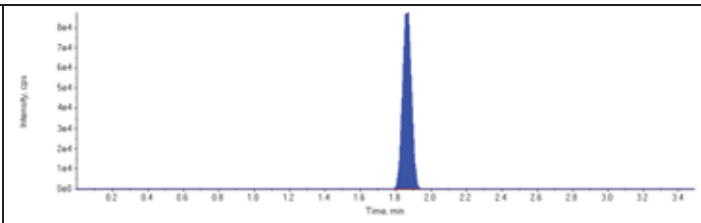
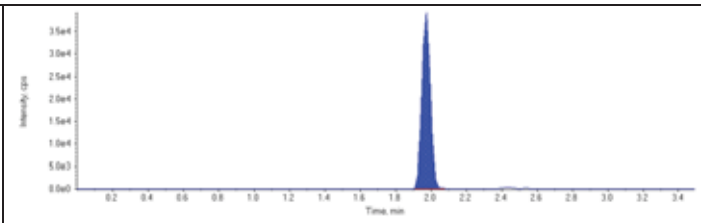
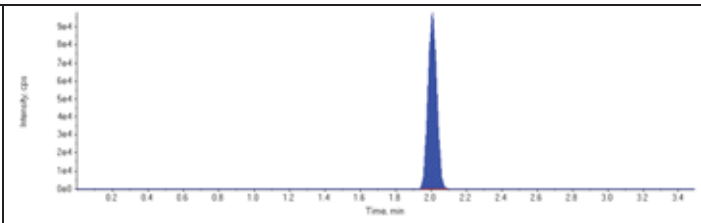
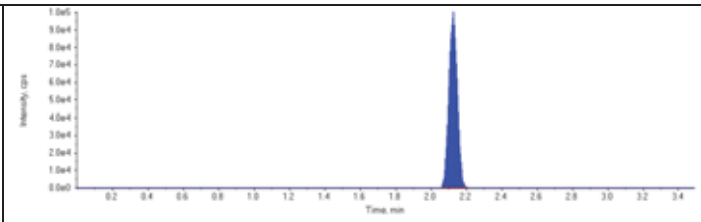
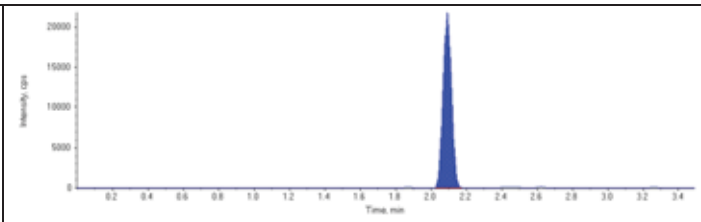
Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	20700	1.87	N/A	0.262	N/A
PFOA 2	7810	1.87	N/A	0.251	N/A
PFOS 1	875000	1.97	N/A	20.7	N/A
PFOS 2	285000	1.97	N/A	20.9	N/A
PFNA 1	34300	2.01	N/A	0.457	N/A
PFNA 2	7180	2.01	N/A	0.212	N/A
PFDA 1	28600	2.12	N/A	0.329	N/A
PFDA 2	4610	2.12	N/A	0.361	N/A
8:2-FTS 1	7190	2.09	N/A	0.475	N/A
8:2-FTS 2	3990	2.09	N/A	0.450	N/A
13C4-PFHpA	310000	1.68	N/A	73.1	N/A
13C4-PFOA	307000	1.86	N/A	86.4	N/A
13C4-PFOS	132000	1.97	N/A	81.6	N/A
13C5-PFNA	329000	2.01	N/A	81.3	N/A
13C2-PFDA	329000	2.12	N/A	78.7	N/A
13C2-8:2 FTS	72900	2.09	N/A	68.4	N/A
13C6-PFHxA	1160000	1.41	N/A	142.	N/A
13C9-PFDA	1260000	2.11	N/A	146.	N/A

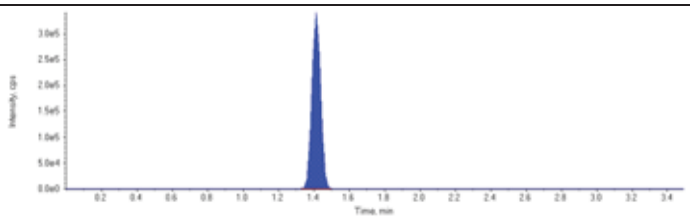
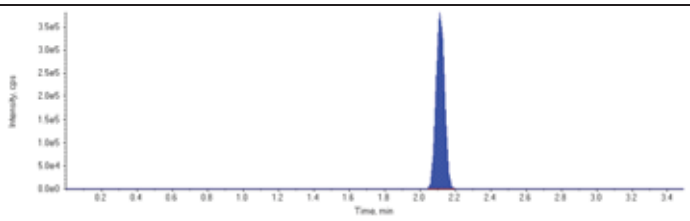
MPFHpA (Internal Standard) RT (Exp. RT): 1.68(1.76) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.86(1.93) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(2.05) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.01(2.07) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFDA (Internal Standard) RT (Exp. RT): 2.12(2.18) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
M2 8:2 FTS (Internal Standard) RT (Exp. RT): 2.09(2.15) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	

13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.787 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.787 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.87 (1.85) min Calculated Conc: 0.262 µg/kg Area Ratio: 0.0674 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.87 (1.85) min Calculated Conc: 0.251 µg/kg Area Ratio: 0.0254 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 20.7 µg/kg Area Ratio: 6.62 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 20.9 µg/kg Area Ratio: 2.16 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 0.457 µg/kg Area Ratio: 0.104 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 0.212 µg/kg Area Ratio: 0.0218 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 0.329 µg/kg Area Ratio: 0.0868 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 0.361 µg/kg Area Ratio: 0.0140 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 0.475 µg/kg Area Ratio: 0.0987 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 0.450 µg/kg Area Ratio: 0.0547 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 73.1 µg/kg Area Ratio: 0.267 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 86.4 µg/kg Area Ratio: 0.265 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 81.6 µg/kg Area Ratio: 0.114 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 81.3 µg/kg Area Ratio: 0.284 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 78.7 µg/kg Area Ratio: 0.261 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 68.4 µg/kg Area Ratio: 0.0629 Sample Type: (Unknown)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 142. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 146. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

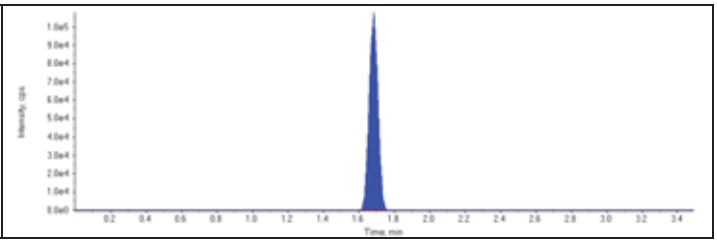
Sample ID	**5023570~EJI428-01:10x**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	16
Acquisition Date	2017/06/13 3:48:07 PM	**Dilution Factor**	11.6
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	367000.	1.68	1.00	-
MPFOA	298000.	1.86	1.00	-
MPFOS	136000.	1.97	1.00	-
MPFNA	370000.	2.01	1.00	-
MPFDA	349000.	2.13	1.00	-
M2 8:2 FTS	87800.	2.09	1.00	-
13C6-PFHxA IS	1100000.	1.41	0.0862	-
13C9-PFDA IS	1130000.	2.11	0.0862	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	7460	1.68	N/A	2.24	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	24300	1.86	N/A	2.80	N/A
PFOA 2	8130	1.86	N/A	2.43	N/A
PFOS 1	8290	1.93	N/A	2.13	N/A
PFOS 2	1850	1.93	N/A	1.54	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	367000	1.68	N/A	90.9	N/A
13C4-PFOA	298000	1.86	N/A	88.0	N/A
13C4-PFOS	136000	1.97	N/A	88.2	N/A
13C5-PFNA	370000	2.01	N/A	95.8	N/A
13C2-PFDA	349000	2.13	N/A	92.9	N/A
13C2-8:2 FTS	87800	2.09	N/A	86.4	N/A
13C6-PFHxA	1100000	1.41	N/A	1240.	N/A
13C9-PFDA	1130000	2.11	N/A	1200.	N/A

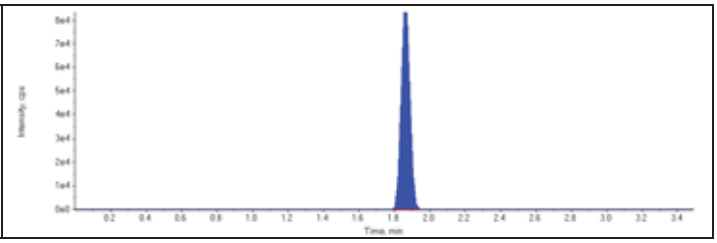
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



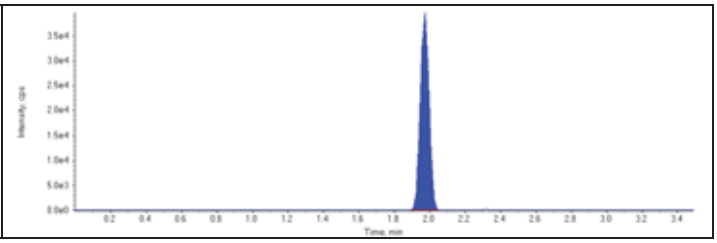
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



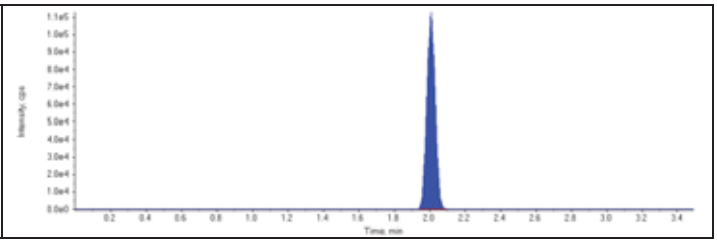
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



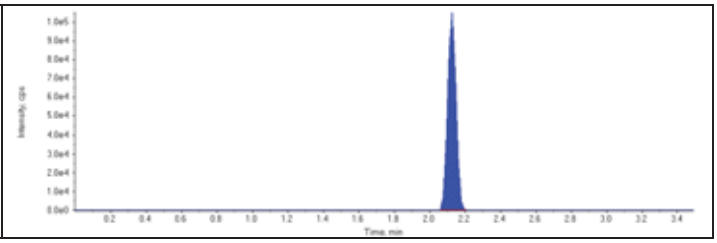
MPFNA (Internal Standard)

RT (Exp. RT): 2.01(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



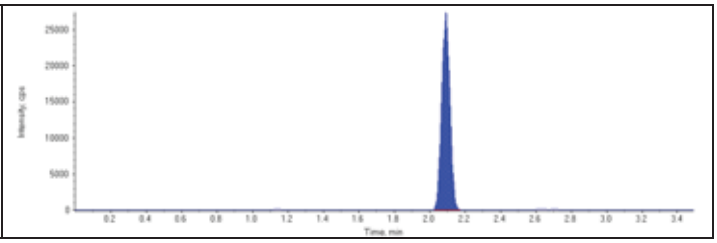
MPFDA (Internal Standard)

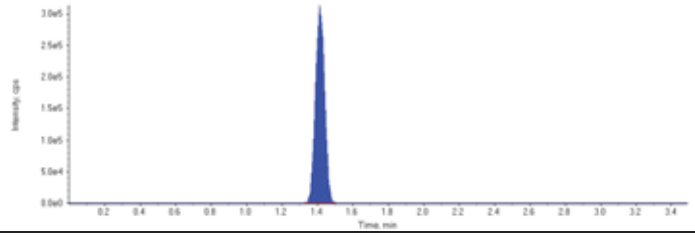
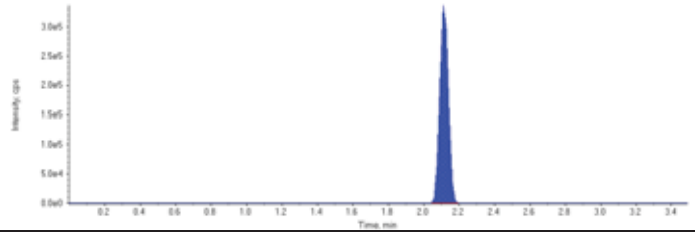
RT (Exp. RT): 2.13(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

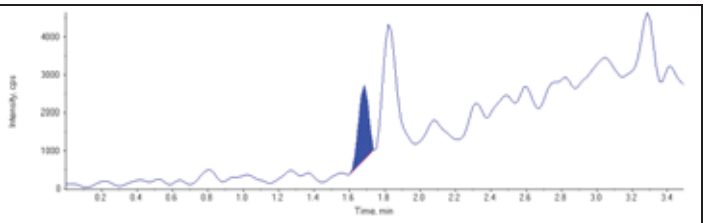
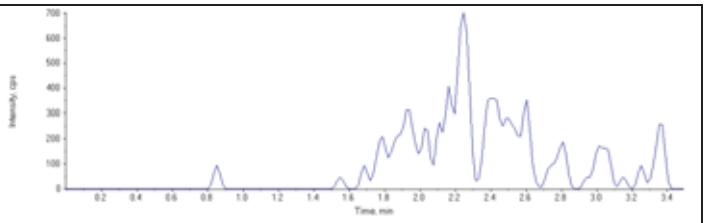
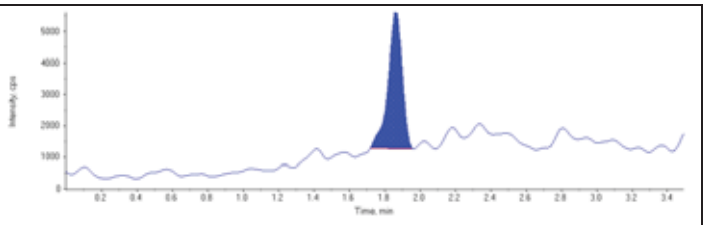
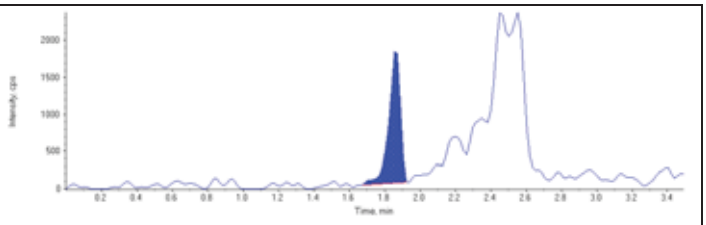
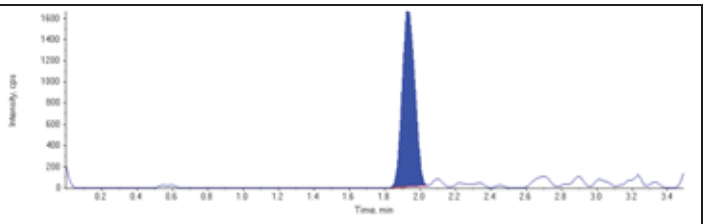
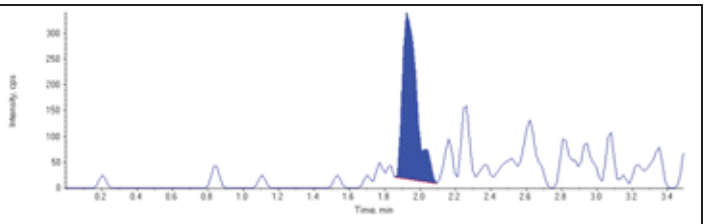


M2 8:2 FTS (Internal Standard)

RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.0862 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.0862 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 2.24 µg/kg Area Ratio: 0.0203 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 2.80 µg/kg Area Ratio: 0.0813 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 2.43 µg/kg Area Ratio: 0.0272 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.93 (2.05) min Calculated Conc: 2.13 µg/kg Area Ratio: 0.0609 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.93 (1.97) min Calculated Conc: 1.54 µg/kg Area Ratio: 0.0136 Sample Type: (Unknown)	

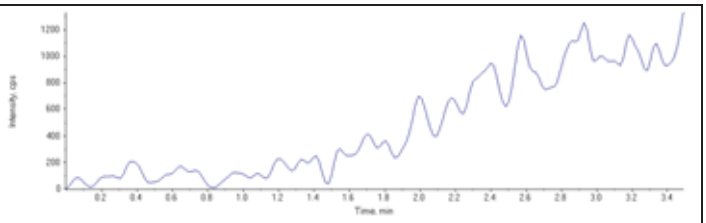
PFNA 1 (462.900/419.000 Da)

RT (Exp. RT): 0.00 (2.07) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



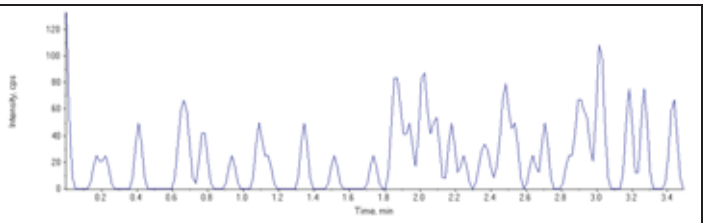
PFNA 2 (462.900/219.100 Da)

RT (Exp. RT): 0.00 (2.07) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



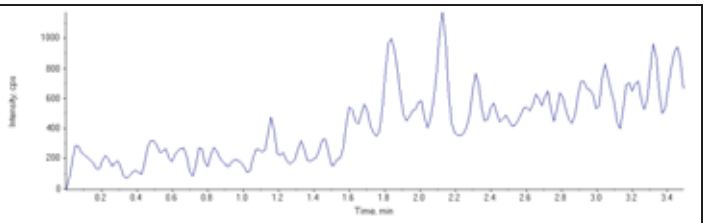
PFDA 1 (513.000/469.100 Da)

RT (Exp. RT): 0.00 (2.18) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



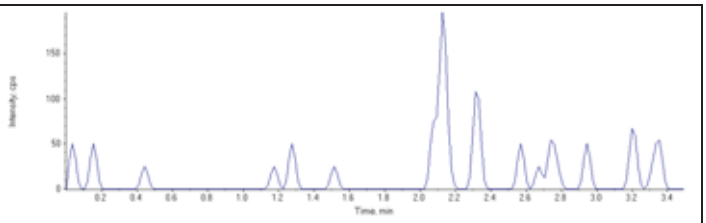
PFDA 2 (513.000/218.900 Da)

RT (Exp. RT): 0.00 (2.18) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



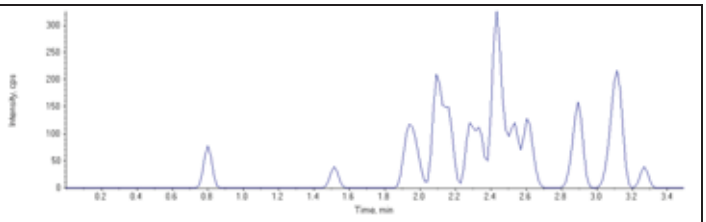
8:2-FTS 1 (526.900/507.000 Da)

RT (Exp. RT): 0.00 (2.16) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



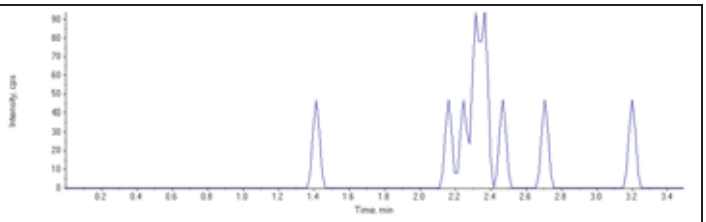
8:2-FTS 2 (526.900/80.900 Da)

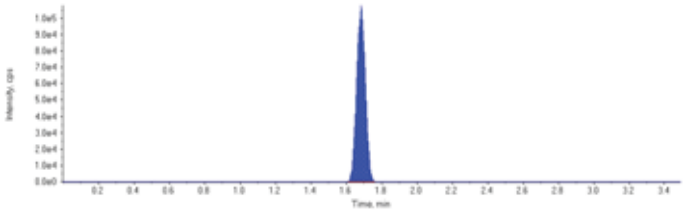
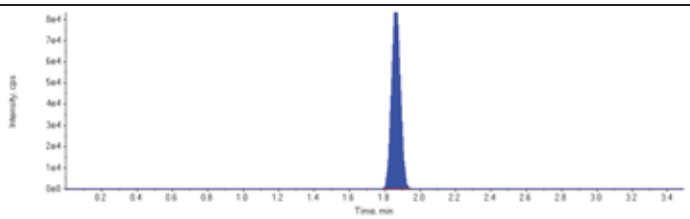
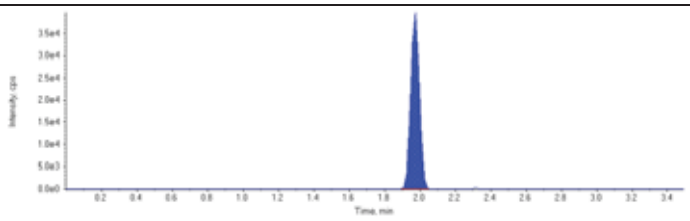
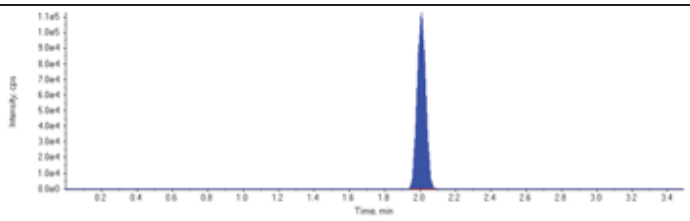
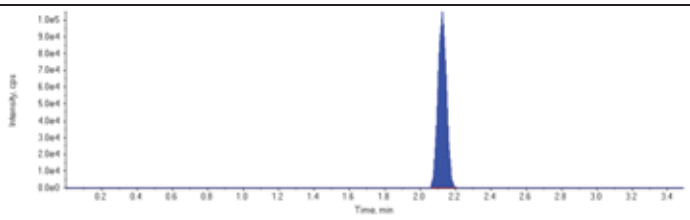
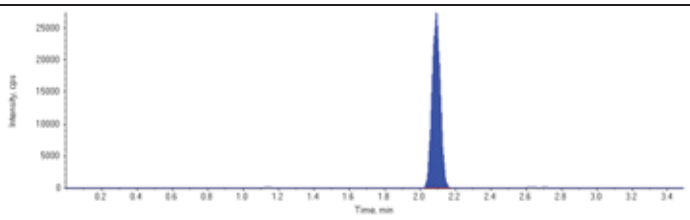
RT (Exp. RT): 0.00 (2.09) min

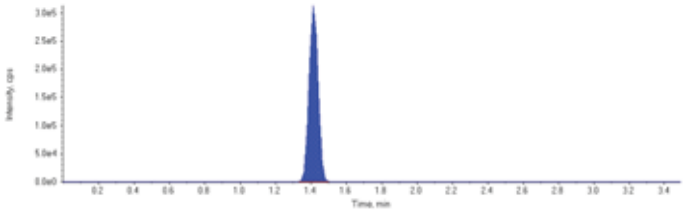
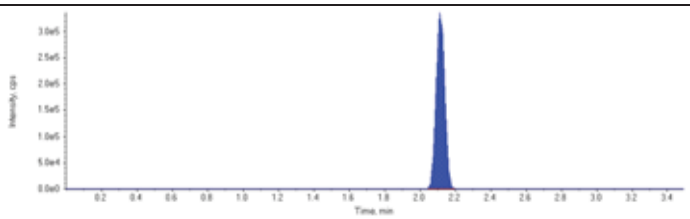
Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



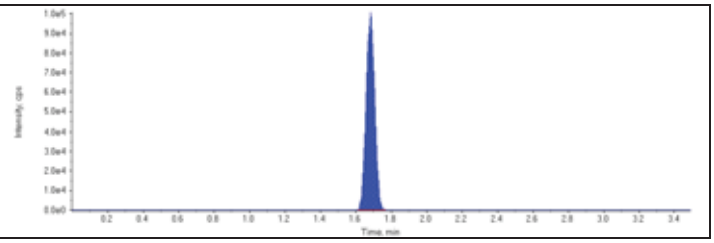
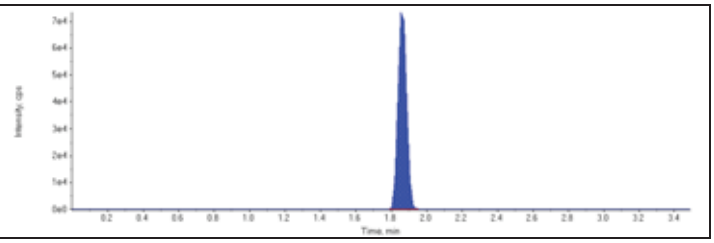
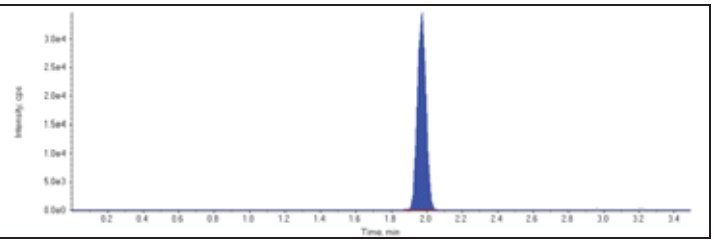
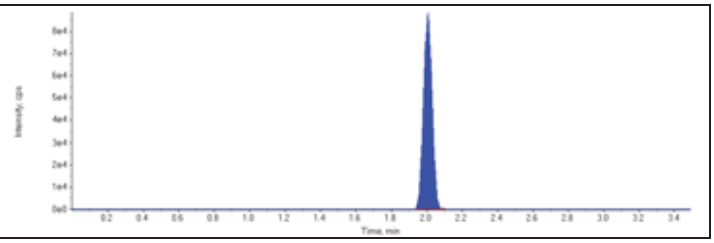
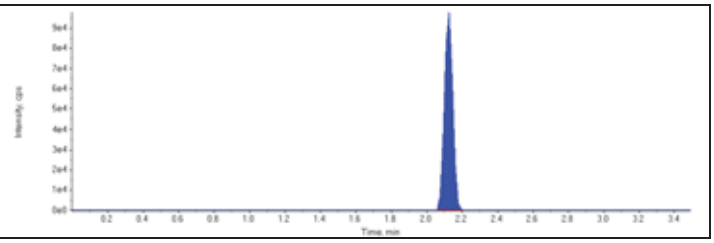
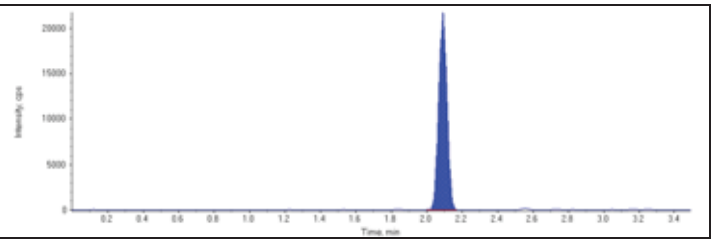
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 90.9 µg/kg Area Ratio: 0.332 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 88.0 µg/kg Area Ratio: 0.270 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 88.2 µg/kg Area Ratio: 0.123 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 95.8 µg/kg Area Ratio: 0.335 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.13 (2.18) min Calculated Conc: 92.9 µg/kg Area Ratio: 0.307 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 86.4 µg/kg Area Ratio: 0.0795 Sample Type: (Unknown)	

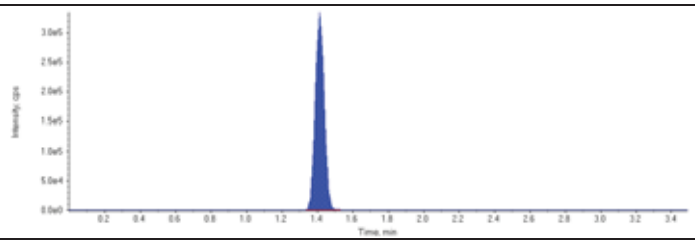
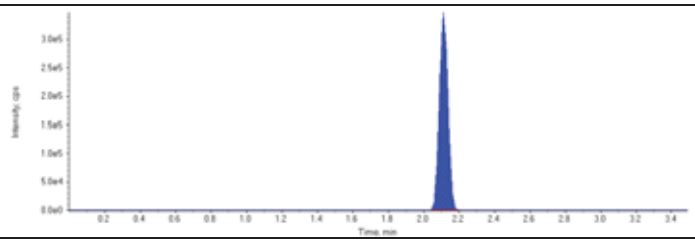
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 1240. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 1200. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

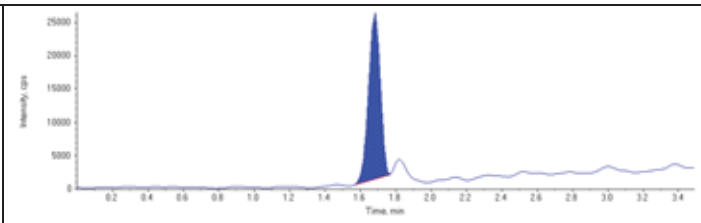
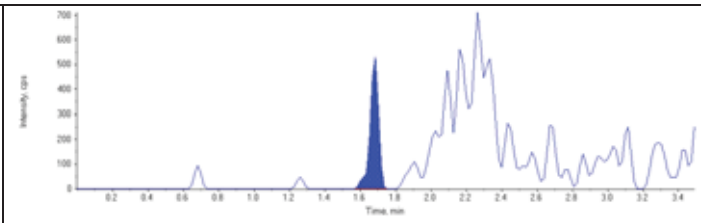
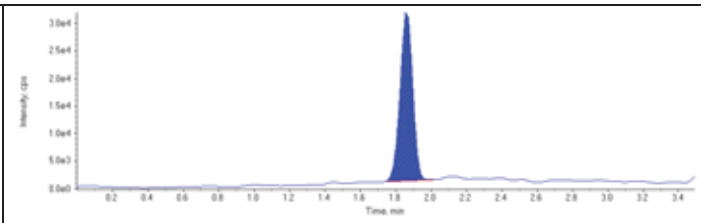
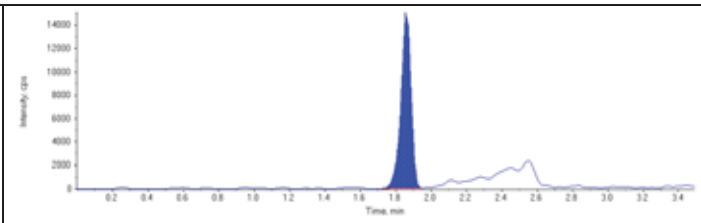
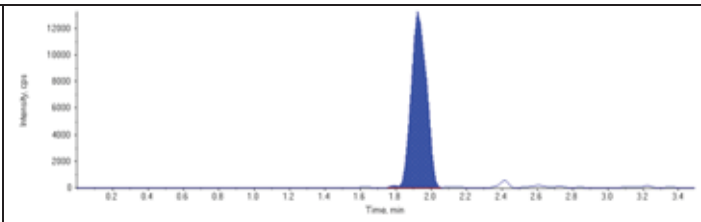
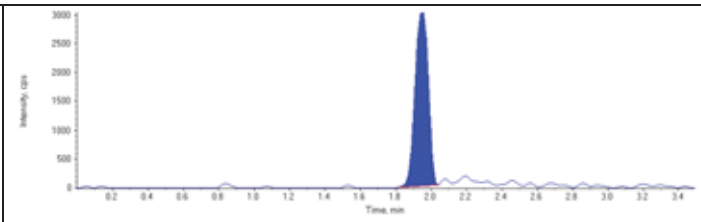
Sample ID	**5023570~EJI428-01**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	17
Acquisition Date	2017/06/13 3:53:11 PM	**Dilution Factor**	1.16
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	Reported for PFOA only		

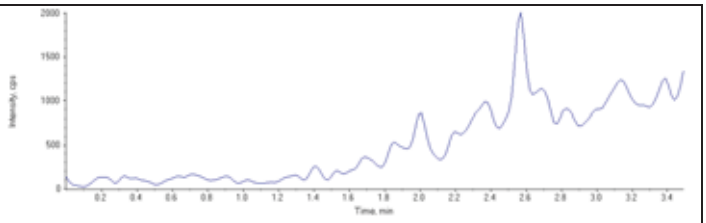
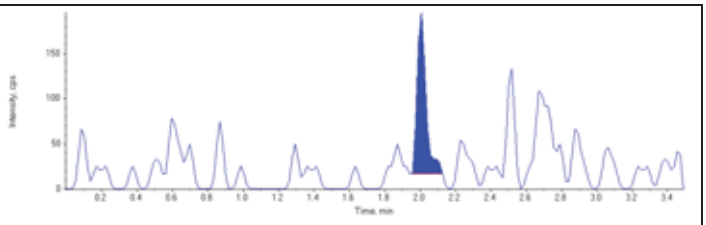
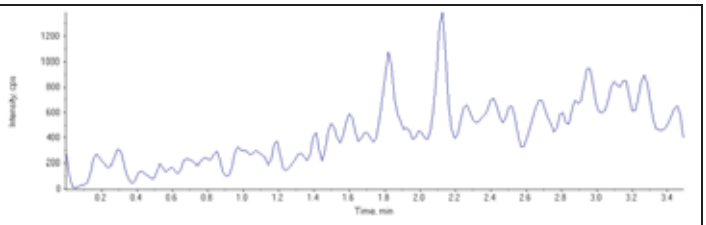
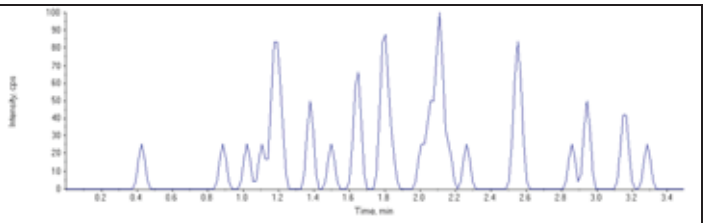
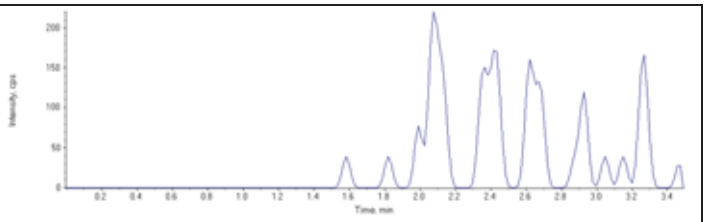
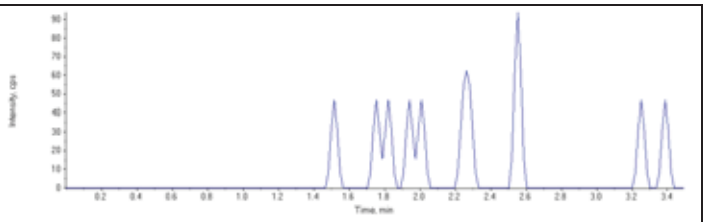
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	337000.	1.68	1.00	-
MPFOA	253000.	1.86	1.00	-
MPFOS	116000.	1.97	1.00	-
MPFNA	296000.	2.01	1.00	-
MPFDA	323000.	2.12	1.00	-
M2 8:2 FTS	71100.	2.09	1.00	-
13C6-PFHxA IS	1160000.	1.41	0.862	-
13C9-PFDA IS	1160000.	2.11	0.862	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

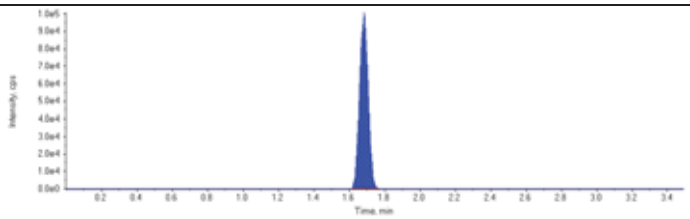
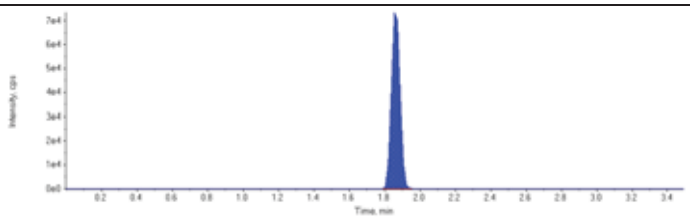
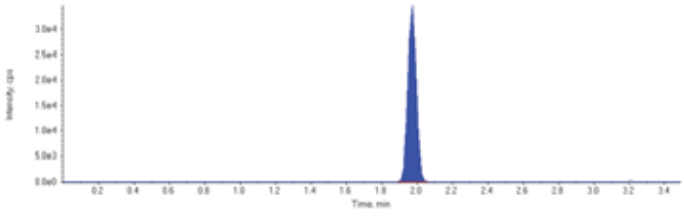
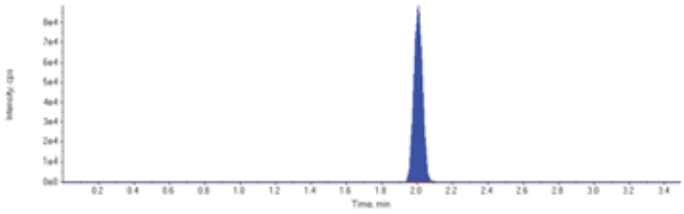
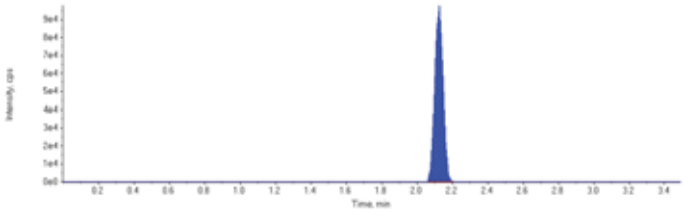
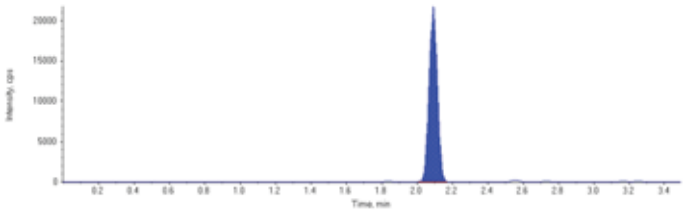
Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	116000	1.68	N/A	1.22	N/A
PFHpA 2	1790	1.68	N/A	1.18	N/A
PFOA 1	151000	1.86	N/A	1.77	N/A
PFOA 2	59400	1.86	N/A	1.82	N/A
PFOS 1	79300	1.93	N/A	2.00	N/A
PFOS 2	16000	1.95	N/A	1.26	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	630	2.01	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	337000	1.68	N/A	79.7	N/A
13C4-PFOA	253000	1.86	N/A	71.1	N/A
13C4-PFOS	116000	1.97	N/A	71.5	N/A
13C5-PFNA	296000	2.01	N/A	73.2	N/A
13C2-PFDA	323000	2.12	N/A	84.3	N/A
13C2-8:2 FTS	71100	2.09	N/A	66.7	N/A
13C6-PFHxA	1160000	1.41	N/A	130.	N/A
13C9-PFDA	1160000	2.11	N/A	122.	N/A

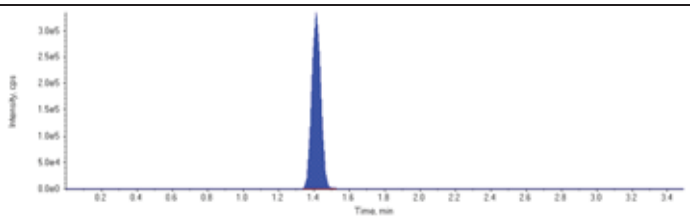
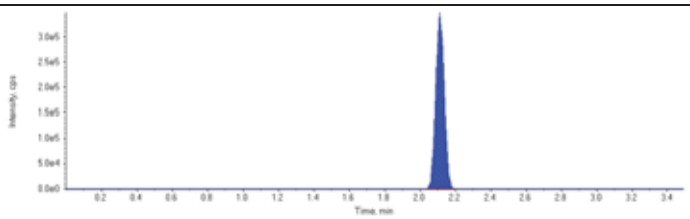
MPFHpA (Internal Standard) RT (Exp. RT): 1.68(1.76) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.86(1.93) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(2.05) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.01(2.07) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFDA (Internal Standard) RT (Exp. RT): 2.12(2.18) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
M2 8:2 FTS (Internal Standard) RT (Exp. RT): 2.09(2.15) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	

13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.862 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.862 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 1.22 µg/kg Area Ratio: 0.343 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 1.18 µg/kg Area Ratio: 0.00530 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 1.77 µg/kg Area Ratio: 0.599 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 1.82 µg/kg Area Ratio: 0.235 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.93 (2.05) min Calculated Conc: 2.00 µg/kg Area Ratio: 0.686 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.95 (1.97) min Calculated Conc: 1.26 µg/kg Area Ratio: 0.139 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00213 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 79.7 µg/kg Area Ratio: 0.291 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 71.1 µg/kg Area Ratio: 0.218 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 71.5 µg/kg Area Ratio: 0.0999 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 73.2 µg/kg Area Ratio: 0.256 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 84.3 µg/kg Area Ratio: 0.279 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 66.7 µg/kg Area Ratio: 0.0614 Sample Type: (Unknown)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 130. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 122. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

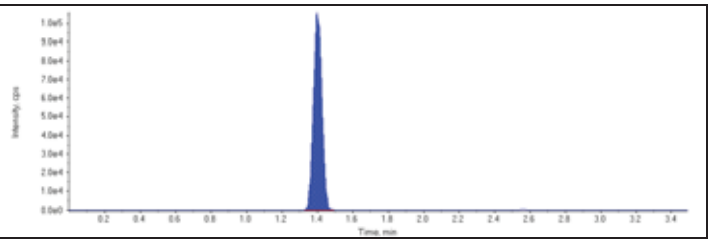
Sample ID	4988945~EJI394-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	14
Acquisition Date	2017/05/23 2:14:39 PM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for PFOS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	354000.	1.40	1.00	-
MPFHxS	109000.	1.66	1.00	-
MPFHpA	373000.	1.66	1.00	-
MPFOA	315000.	1.85	1.00	-
MPFOS	122000.	1.96	1.00	-
MPFNA	328000.	1.99	1.00	-
MPFDA	307000.	2.11	1.00	-
MPFUnA	216000.	2.21	1.00	-
MPFDoA	199000.	2.30	1.00	-
MPFTeDA	207000.	2.44	1.00	-
M2 6:2 FTS	106000.	1.81	1.00	-
M2 8:2 FTS	57200.	2.08	1.00	-
13C6-PFHxA IS	1260000.	1.39	0.833	-
13C9-PFDA IS	1270000.	2.10	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	21000	1.09	N/A	0.486	N/A
PFBS 2	11700	1.10	N/A	0.421	N/A
PFHxA 1	174000	1.40	N/A	1.55	N/A
PFHxA 2	8310	1.40	N/A	1.21	N/A
PFHxS 1	161000	1.66	N/A	2.17	N/A
PFHxS 2	49000	1.66	N/A	2.25	N/A
PFHpA 1	188000	1.66	N/A	1.63	N/A
PFHpA 2	3950	1.66	N/A	1.57	N/A
PFOA 1	64400	1.85	N/A	0.775	N/A
PFOA 2	29000	1.85	N/A	0.868	N/A
PFOS 1	819000	1.95	N/A	17.3	N/A
PFOS 2	223000	1.96	N/A	15.2	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	1520	1.99	N/A	0.135	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	477	2.11	N/A	0.134	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	61400	1.81	N/A	2.89	N/A
6:2-FTS 2	38600	1.81	N/A	2.57	N/A
8:2-FTS 1	9000	2.09	N/A	0.604	N/A
8:2-FTS 2	3690	2.08	N/A	0.666	N/A
13C2-PFHxA	354000	1.40	N/A	87.1	N/A
18O2-PFHxS	109000	1.66	N/A	100.	N/A
13C4-PFHpA	373000	1.66	N/A	89.2	N/A
13C4-PFOA	315000	1.85	N/A	90.5	N/A
13C4-PFOS	122000	1.96	N/A	76.1	N/A
13C5-PFNA	328000	1.99	N/A	88.6	N/A
13C2-PFDA	307000	2.11	N/A	78.2	N/A
13C2-PFUnA	216000	2.21	N/A	74.2	N/A
13C2-PFDoA	199000	2.30	N/A	70.5	N/A
13C2-PFTeDA	207000	2.44	N/A	66.8	N/A
13C2-6:2-FTS	106000	1.81	N/A	70.1	N/A
13C2-8:2 FTS	57200	2.08	N/A	67.9	N/A
13C6-PFHxA	1260000	1.39	N/A	118.	N/A
13C9-PFDA	1270000	2.10	N/A	127.	N/A

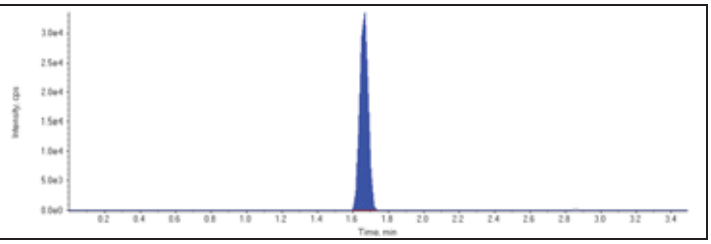
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



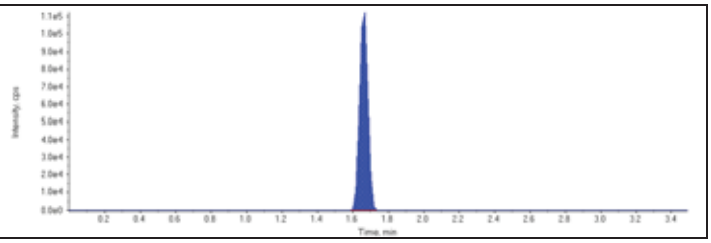
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



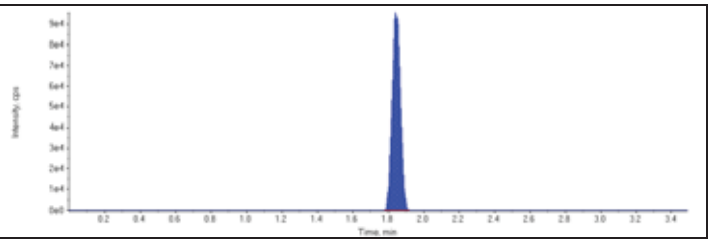
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



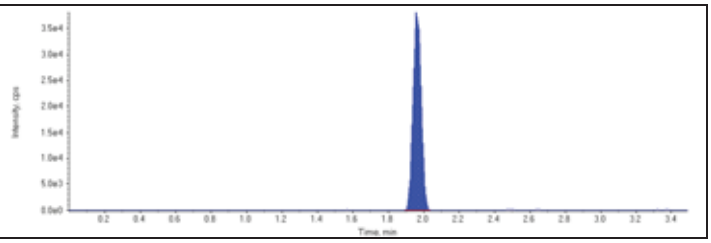
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



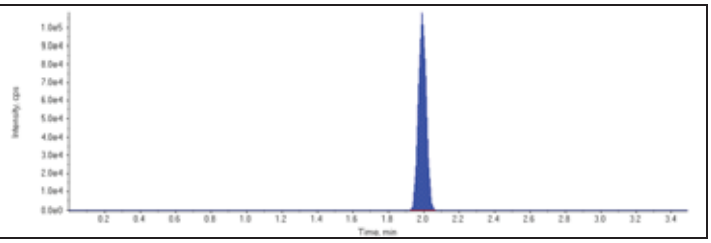
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



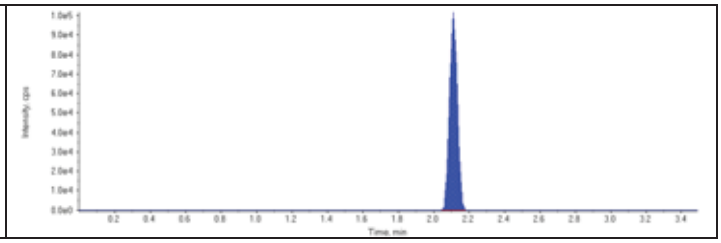
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



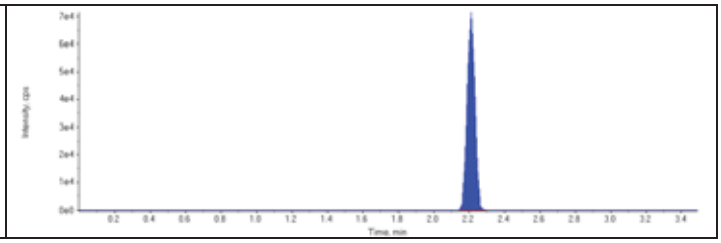
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



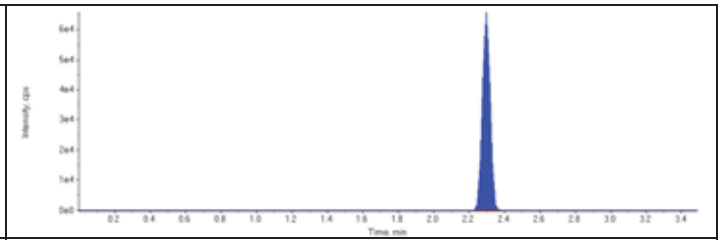
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



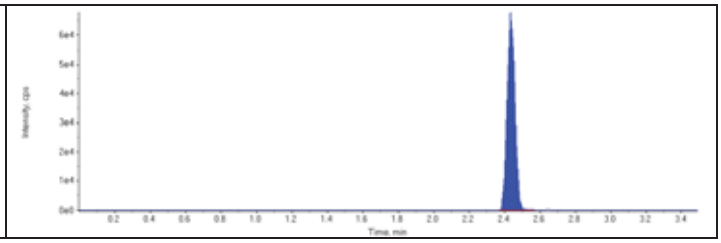
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



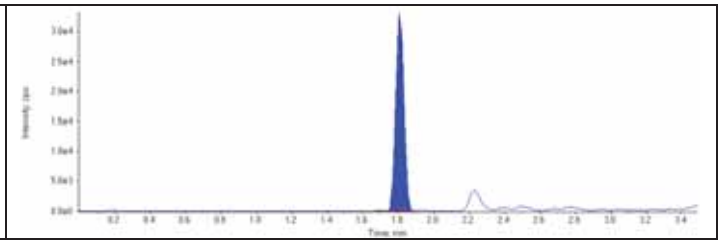
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



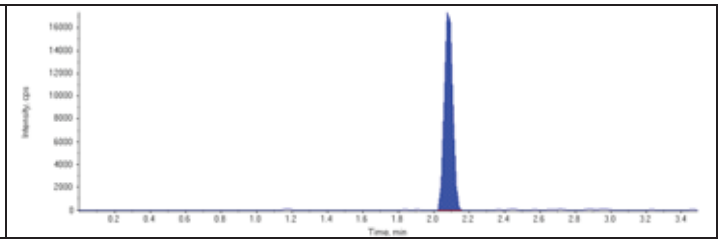
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



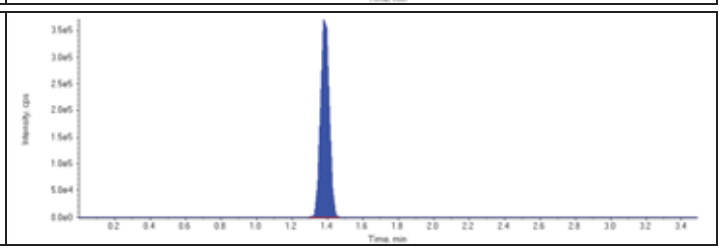
M2 8:2 FTS (Internal Standard)

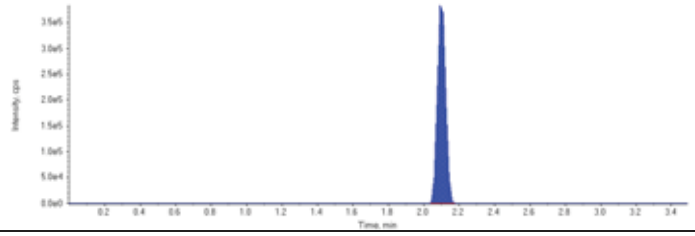
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

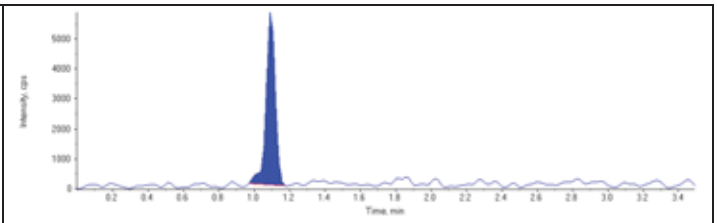
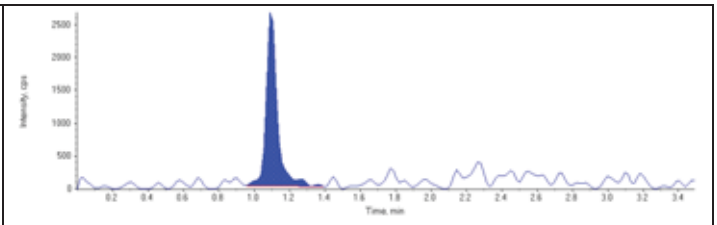
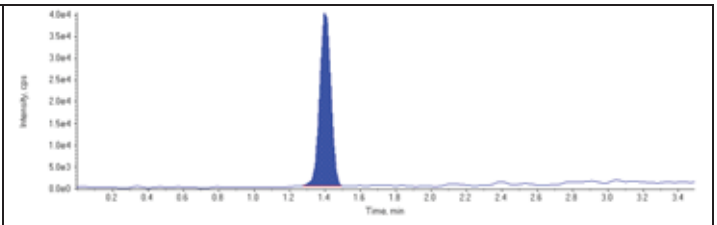
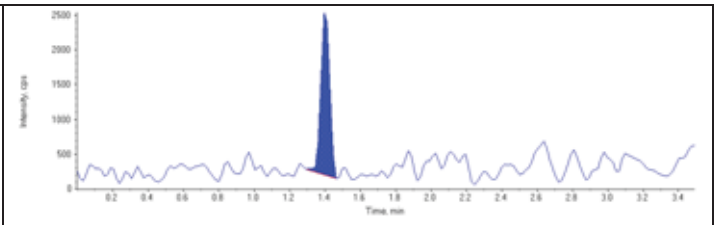
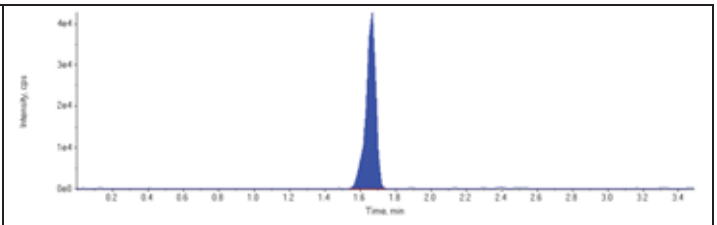
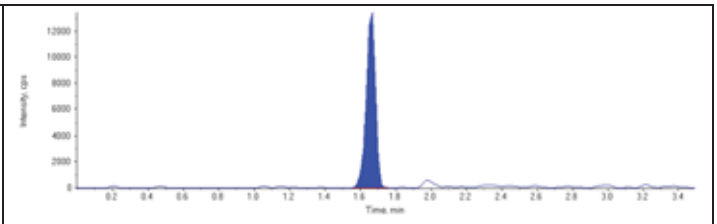


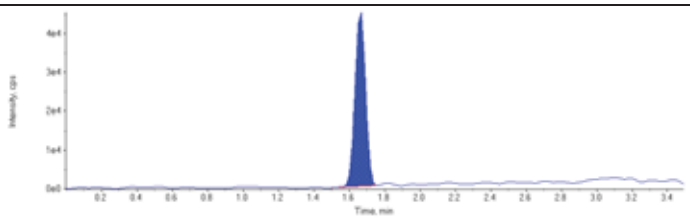
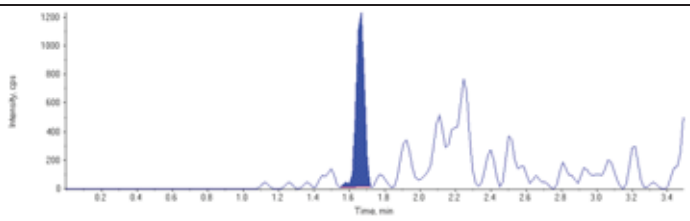
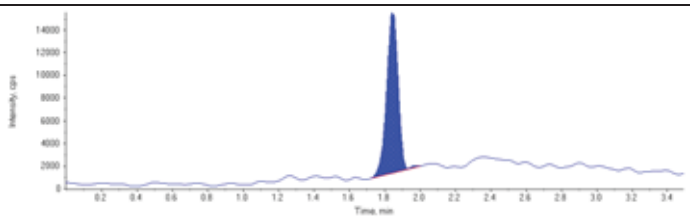
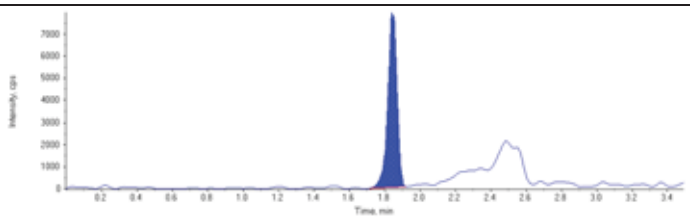
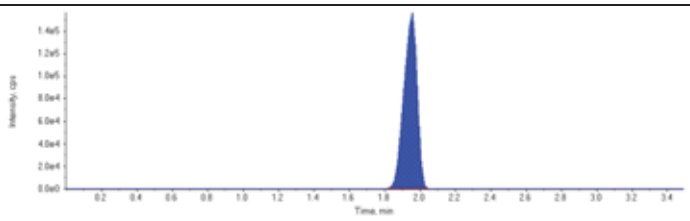
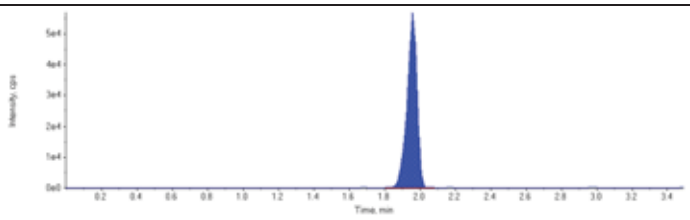
13C6-PFHxA IS (Internal Standard)

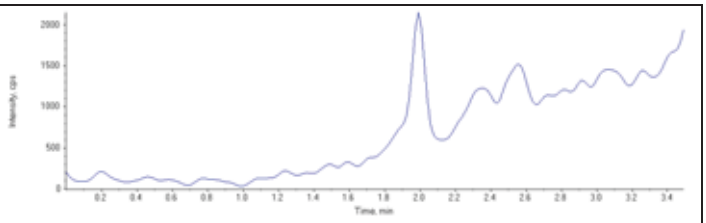
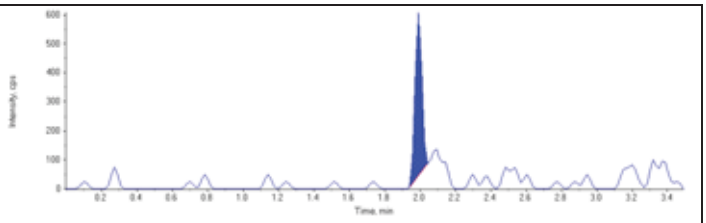
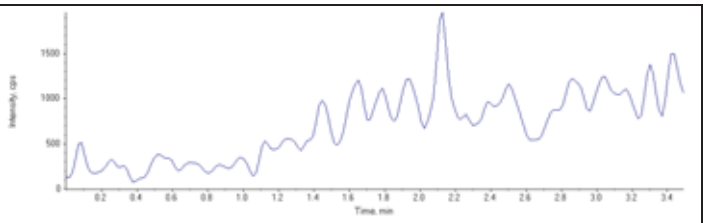
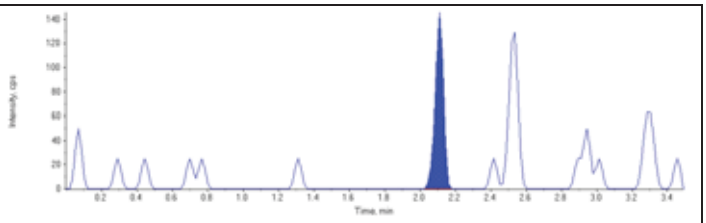
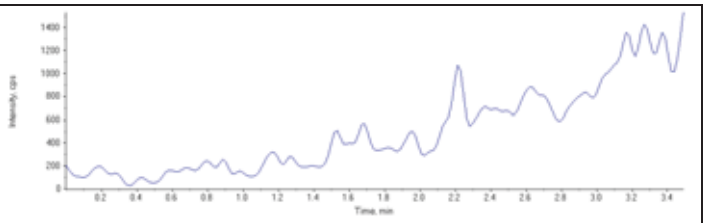
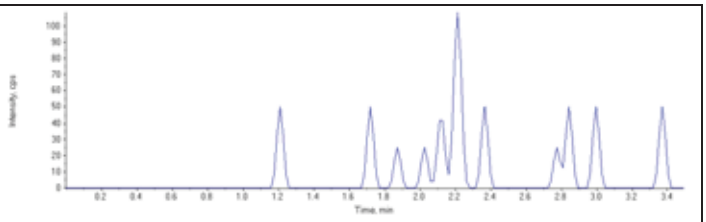
RT (Exp. RT): 1.39(1.40) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

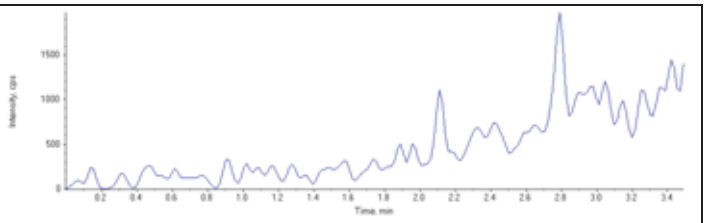
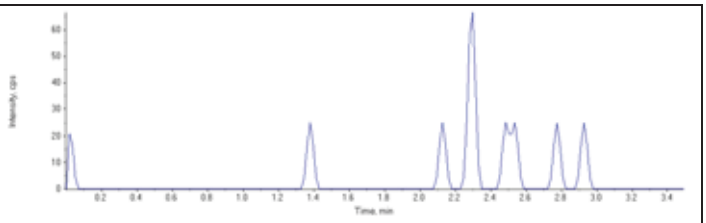
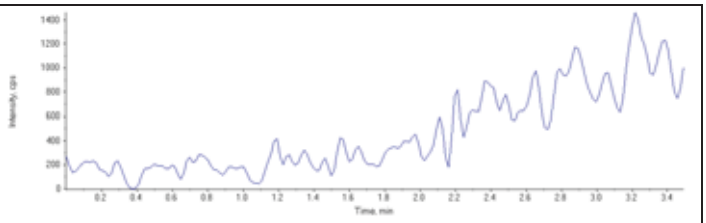
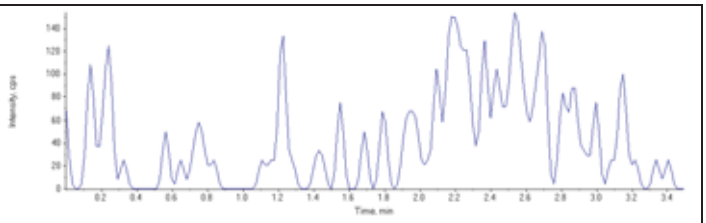
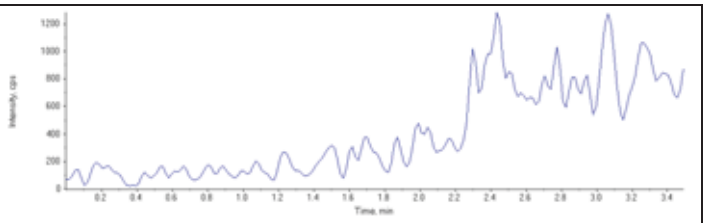
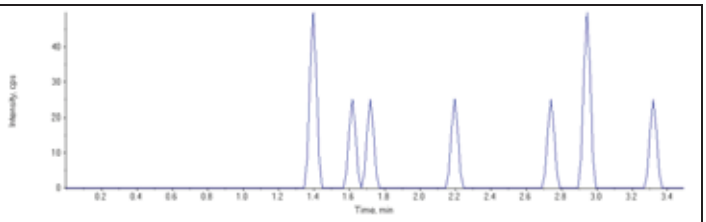


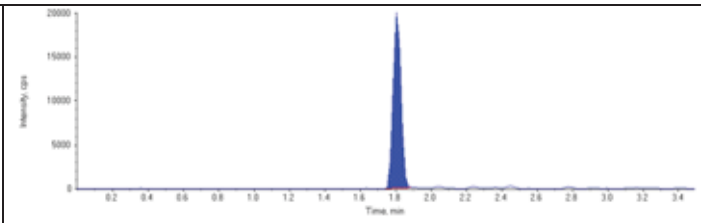
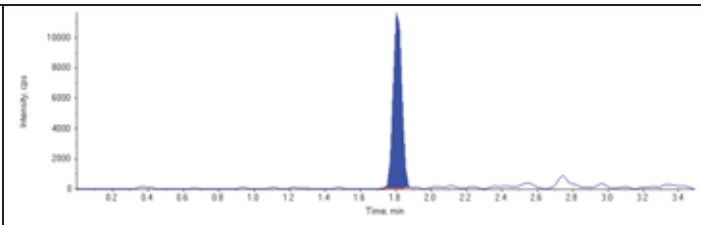
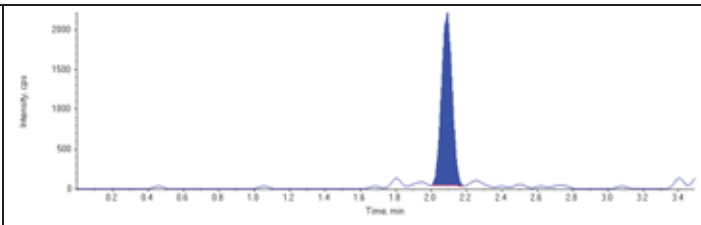
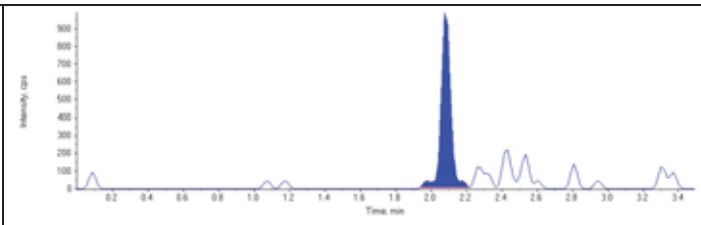
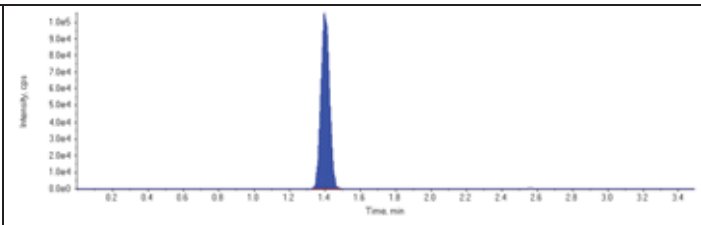
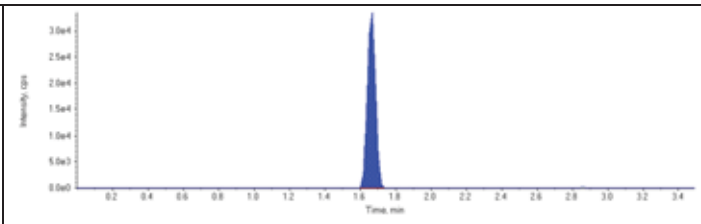
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

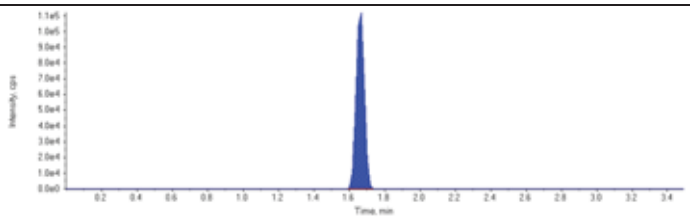
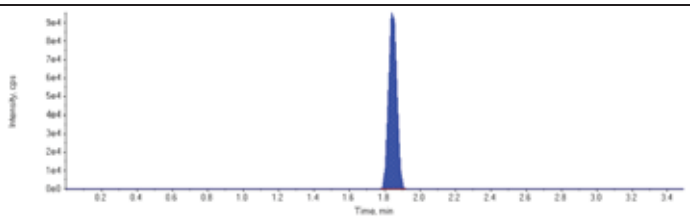
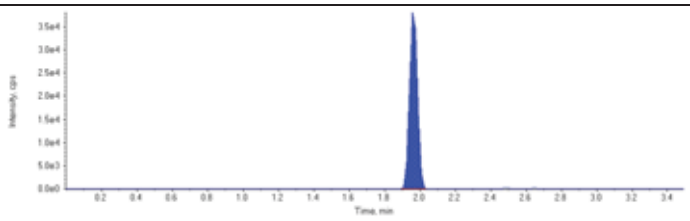
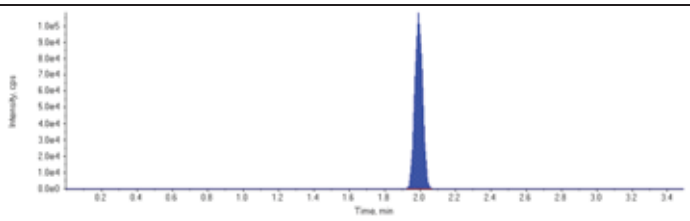
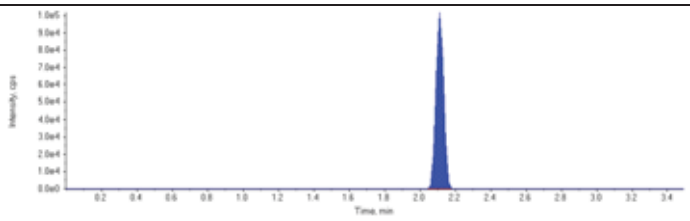
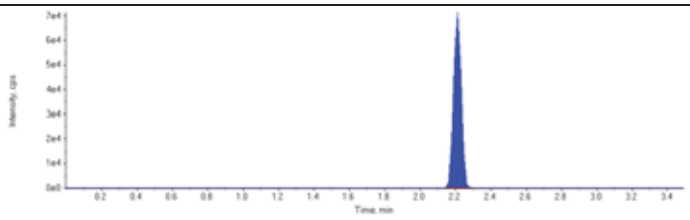
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.486 µg/L Area Ratio: 0.192 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 0.421 µg/L Area Ratio: 0.107 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 1.55 µg/L Area Ratio: 0.492 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 1.21 µg/L Area Ratio: 0.0235 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.17 µg/L Area Ratio: 1.47 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.25 µg/L Area Ratio: 0.449 Sample Type: (Unknown)	

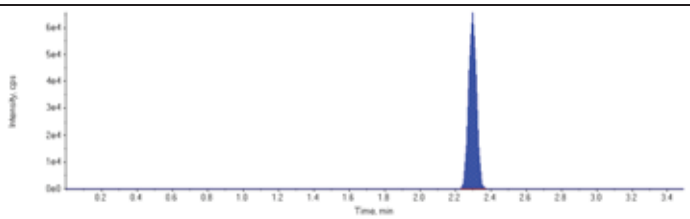
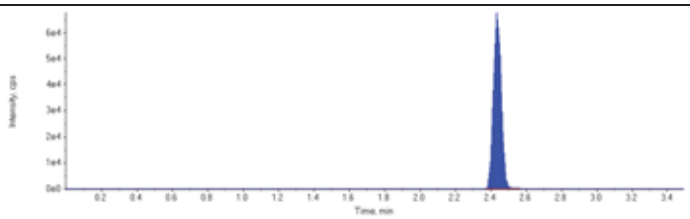
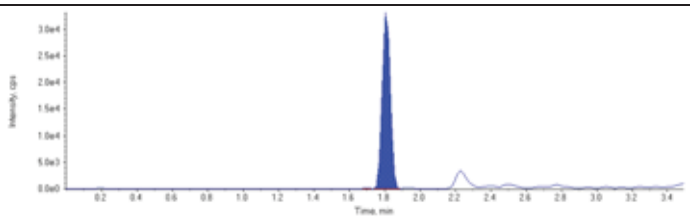
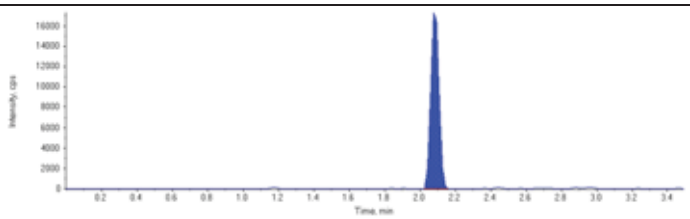
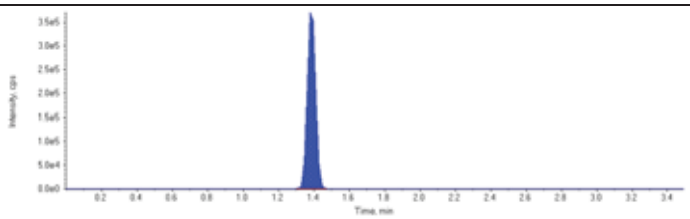
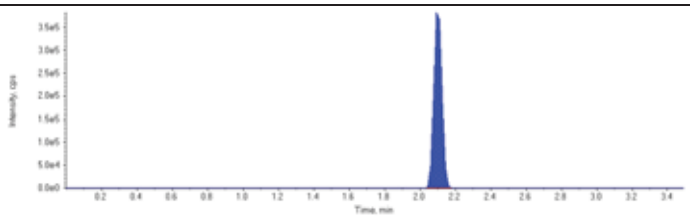
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.63 µg/L Area Ratio: 0.503 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.57 µg/L Area Ratio: 0.0106 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 0.775 µg/L Area Ratio: 0.204 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 0.868 µg/L Area Ratio: 0.0922 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 17.3 µg/L Area Ratio: 6.71 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 15.2 µg/L Area Ratio: 1.83 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.135 µg/L Area Ratio: 0.00464 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.134 µg/L Area Ratio: 0.00155 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 0.00 (2.37) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 2.89 µg/L Area Ratio: 0.581 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 2.57 µg/L Area Ratio: 0.365 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 0.604 µg/L Area Ratio: 0.157 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 0.666 µg/L Area Ratio: 0.0646 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 87.1 µg/L Area Ratio: 0.280 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 100. µg/L Area Ratio: 0.0865 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 89.2 µg/L Area Ratio: 0.295 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 90.5 µg/L Area Ratio: 0.249 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 76.1 µg/L Area Ratio: 0.0967 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 88.6 µg/L Area Ratio: 0.260 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 78.2 µg/L Area Ratio: 0.243 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 74.2 µg/L Area Ratio: 0.171 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 70.5 µg/L Area Ratio: 0.157 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 66.8 µg/L Area Ratio: 0.163 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 70.1 µg/L Area Ratio: 0.0838 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 67.9 µg/L Area Ratio: 0.0453 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 118. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 127. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

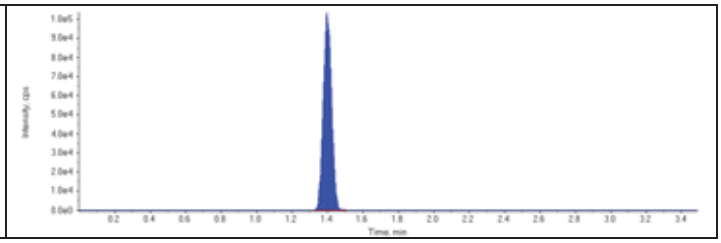
Sample ID	4988945~EJI394-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	15
Acquisition Date	2017/05/23 2:19:43 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for all, except PFOS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	338000.	1.40	1.00	-
MPFHxS	95500.	1.66	1.00	-
MPFHpA	351000.	1.66	1.00	-
MPFOA	317000.	1.85	1.00	-
MPFOS	127000.	1.96	1.00	-
MPFNA	315000.	1.99	1.00	-
MPFDA	294000.	2.11	1.00	-
MPFUnA	233000.	2.21	1.00	-
MPFDoA	245000.	2.30	1.00	-
MPFTeDA	214000.	2.44	1.00	-
M2 6:2 FTS	137000.	1.81	1.00	-
M2 8:2 FTS	76300.	2.09	1.00	-
13C6-PFHxA IS	1240000.	1.39	4.17	-
13C9-PFDA IS	1140000.	2.10	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	102000	1.09	N/A	0.277	N/A
PFBS 2	56800	1.09	N/A	0.286	N/A
PFHxA 1	821000	1.40	N/A	1.37	N/A
PFHxA 2	42800	1.40	N/A	1.22	N/A
PFHxS 1	828000	1.66	N/A	2.42	N/A
PFHxS 2	251000	1.66	N/A	2.48	N/A
PFHpA 1	806000	1.66	N/A	1.42	N/A
PFHpA 2	15400	1.66	N/A	1.45	N/A
PFOA 1	347000	1.84	N/A	0.623	N/A
PFOA 2	137000	1.84	N/A	0.613	N/A
PFOS 1	4470000	1.95	N/A	18.1	N/A
PFOS 2	1260000	1.96	N/A	16.4	N/A
PFNA 1	28600	1.99	N/A	0.0774	N/A
PFNA 2	8990	1.99	N/A	0.0874	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1360	2.11	N/A	0.0361	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	453	2.22	N/A	0.0389	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	427	2.38	N/A	0.0162	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	284000	1.81	N/A	1.92	N/A
6:2-FTS 2	205000	1.81	N/A	2.02	N/A
8:2-FTS 1	42800	2.08	N/A	0.312	N/A
8:2-FTS 2	21400	2.09	N/A	0.415	N/A
13C2-PFHxA	338000	1.40	N/A	85.0	N/A
18O2-PFHxS	95500	1.66	N/A	89.6	N/A
13C4-PFHpA	351000	1.66	N/A	85.9	N/A
13C4-PFOA	317000	1.85	N/A	93.2	N/A
13C4-PFOS	127000	1.96	N/A	80.8	N/A
13C5-PFNA	315000	1.99	N/A	86.8	N/A
13C2-PFDA	294000	2.11	N/A	83.1	N/A
13C2-PFUnA	233000	2.21	N/A	88.7	N/A
13C2-PFDoA	245000	2.30	N/A	96.4	N/A
13C2-PFTeDA	214000	2.44	N/A	76.8	N/A
13C2-6:2-FTS	137000	1.81	N/A	92.7	N/A
13C2-8:2 FTS	76300	2.09	N/A	92.8	N/A
13C6-PFHxA	1240000	1.39	N/A	23.2	N/A
13C9-PFDA	1140000	2.10	N/A	22.9	N/A

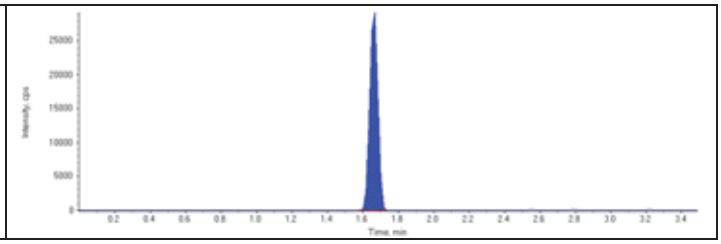
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



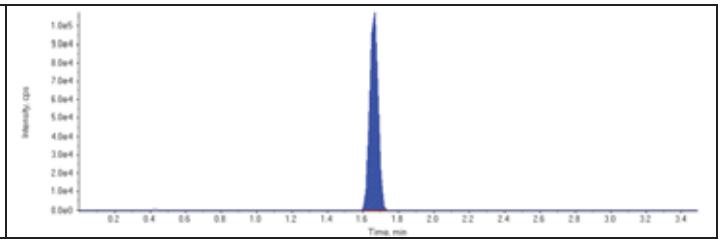
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



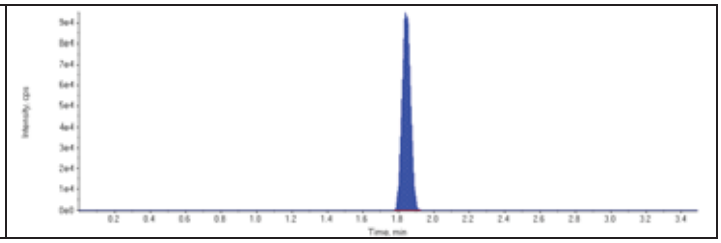
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



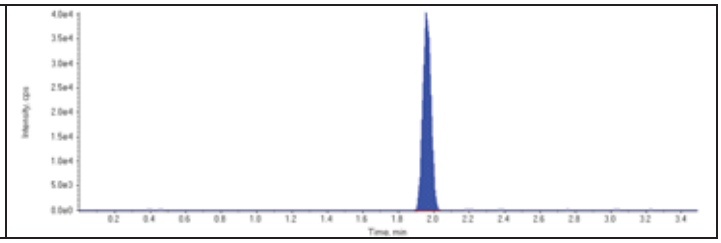
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



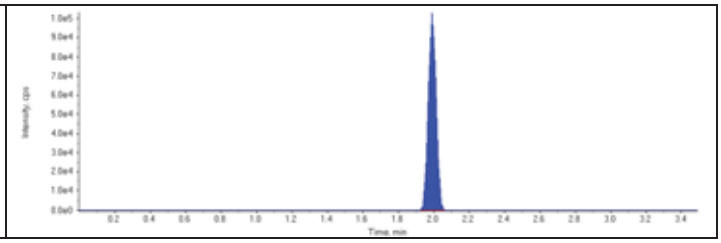
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



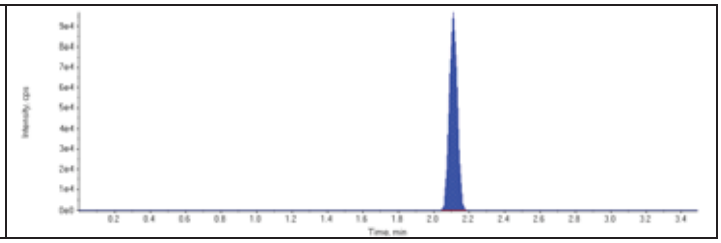
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



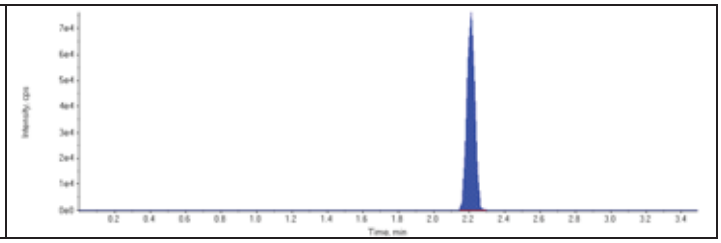
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



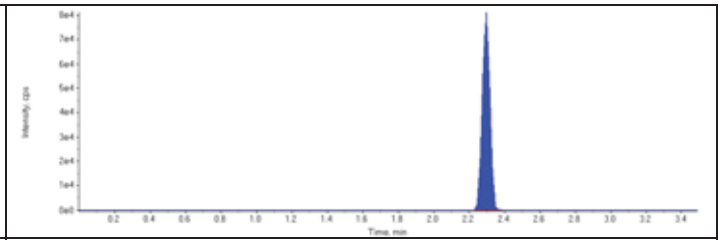
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



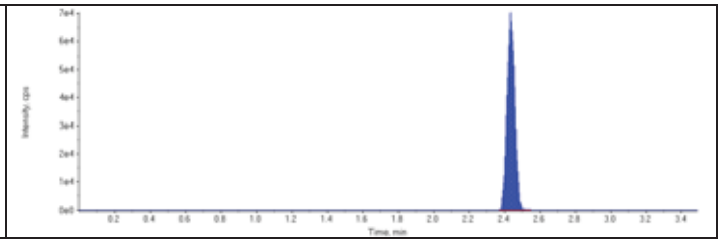
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



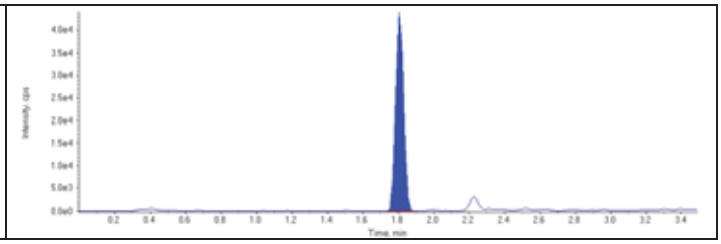
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



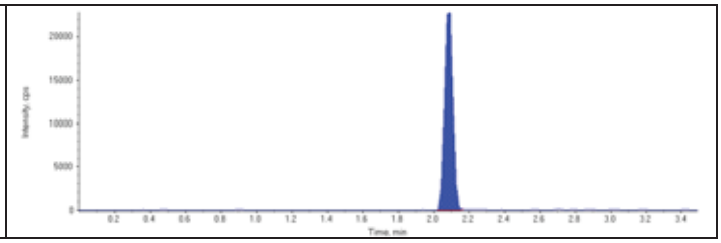
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



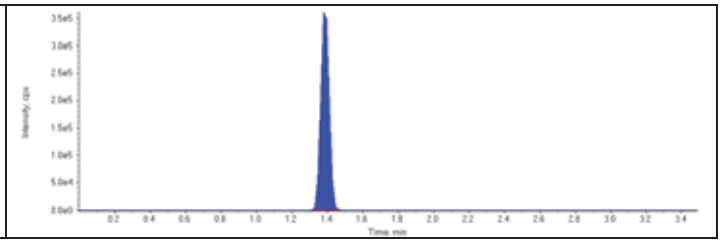
M2 8:2 FTS (Internal Standard)

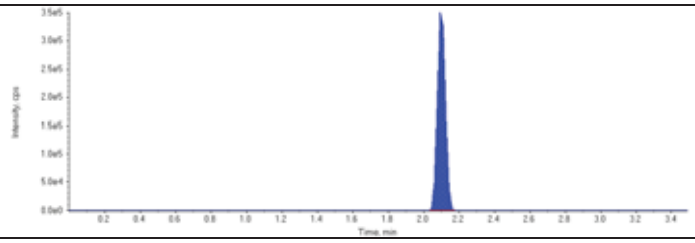
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

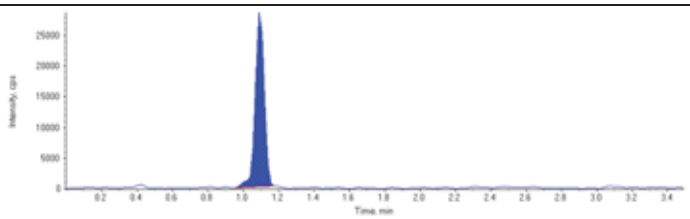
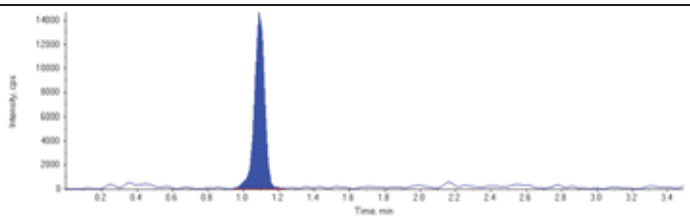
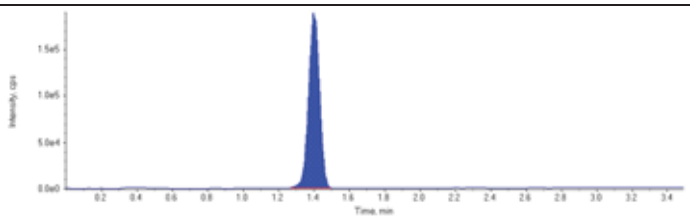
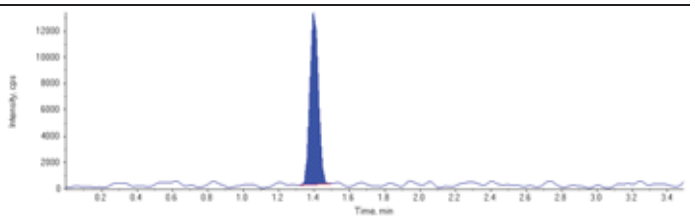
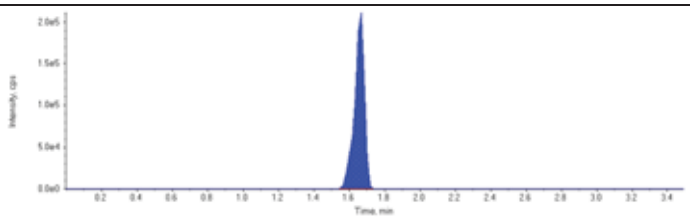
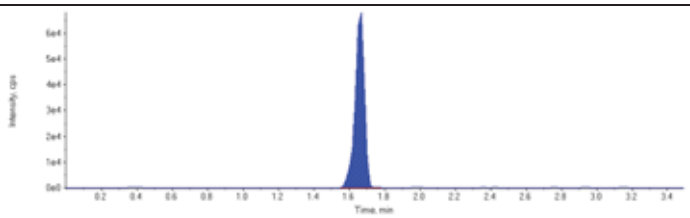


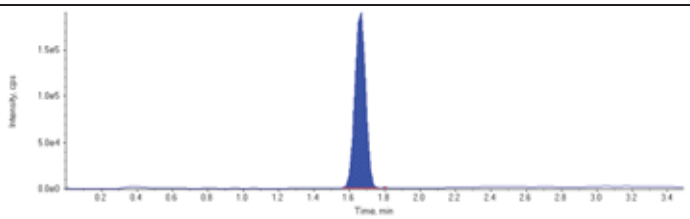
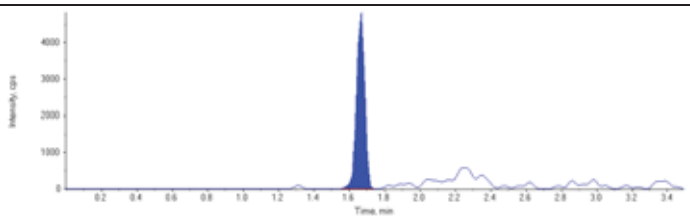
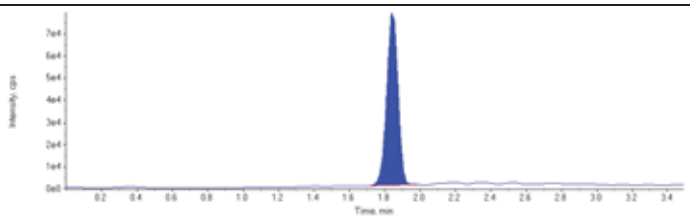
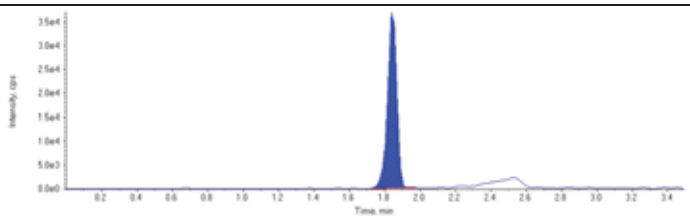
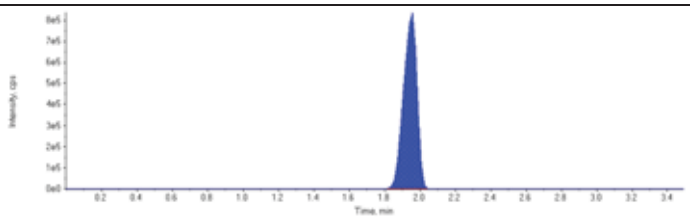
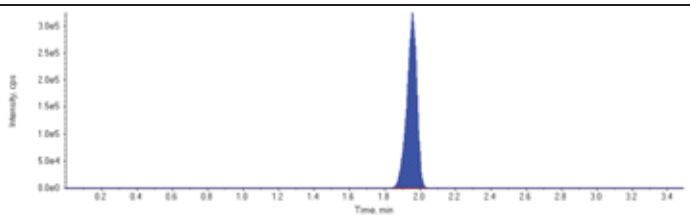
13C6-PFHxA IS (Internal Standard)

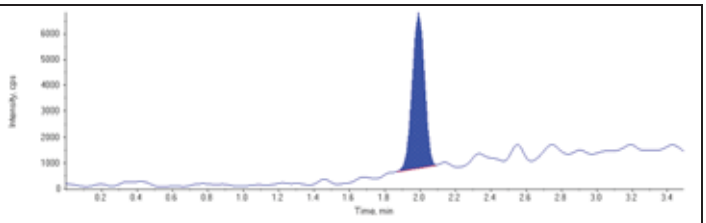
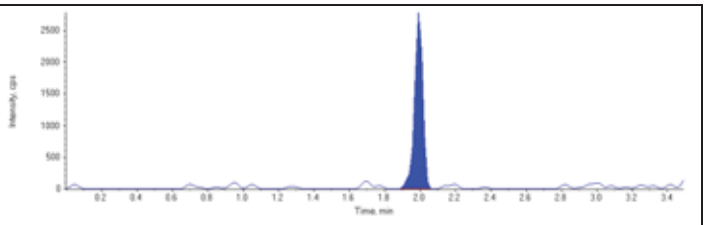
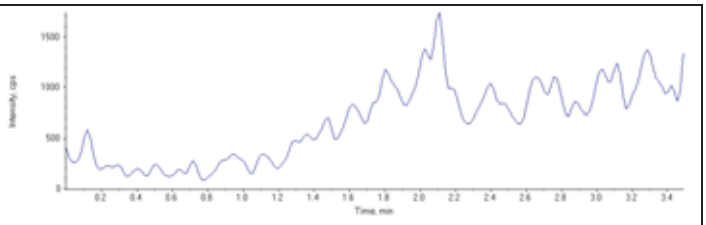
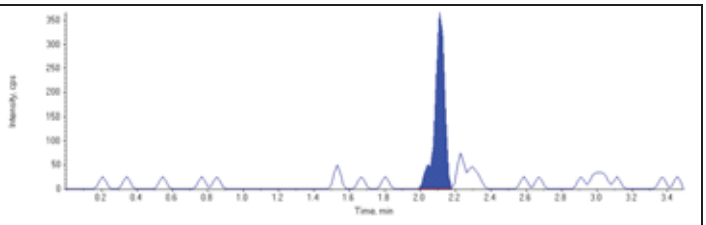
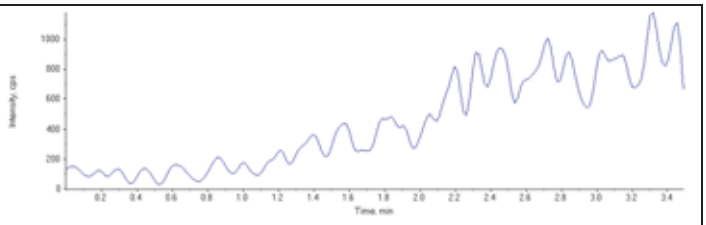
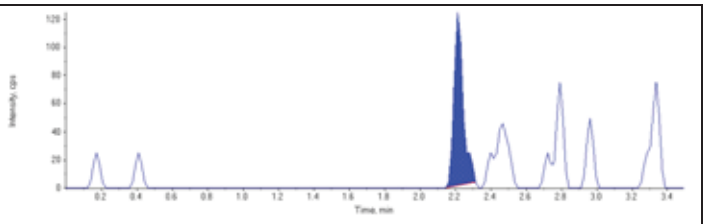
RT (Exp. RT): 1.39(1.40) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

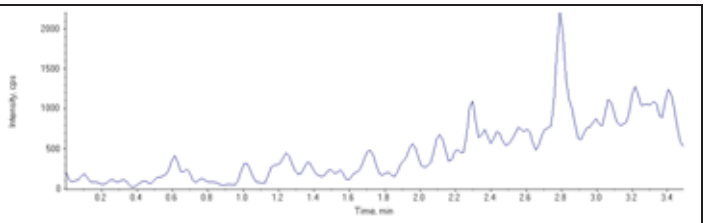
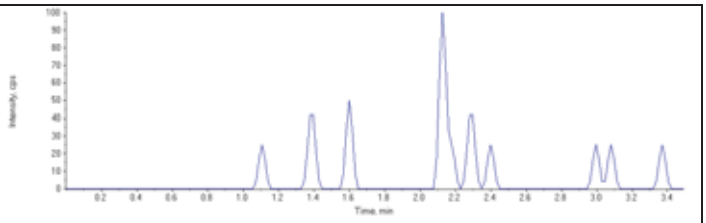
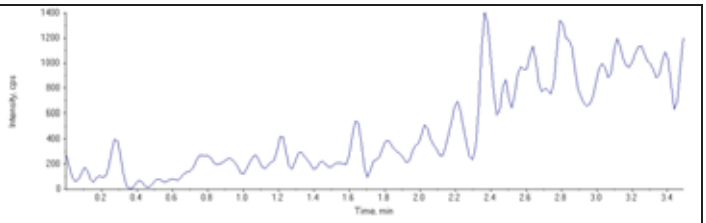
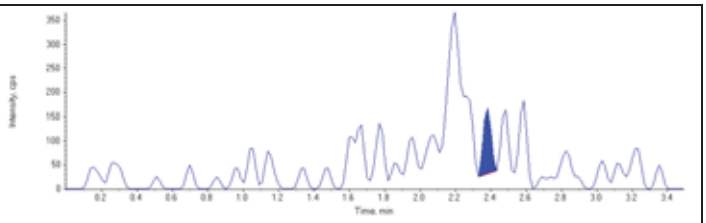
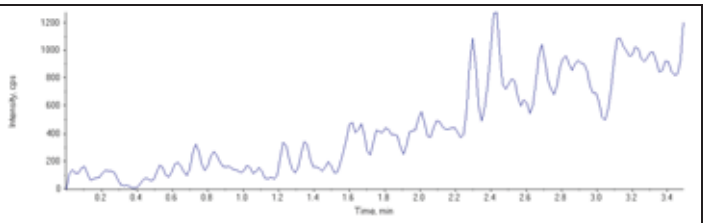
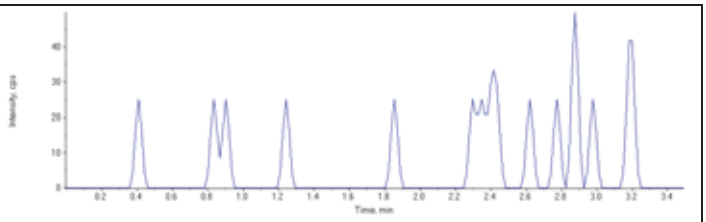


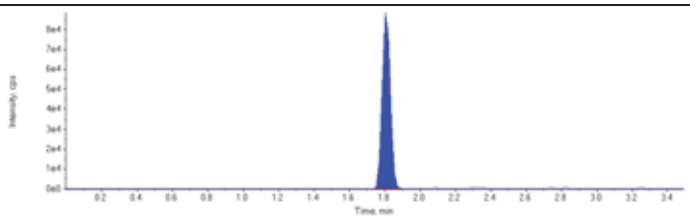
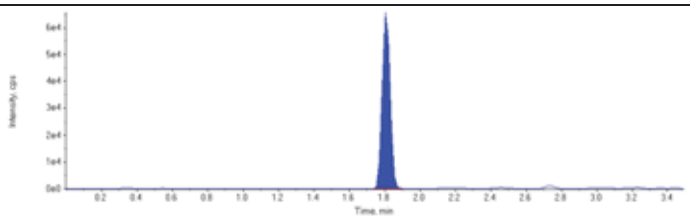
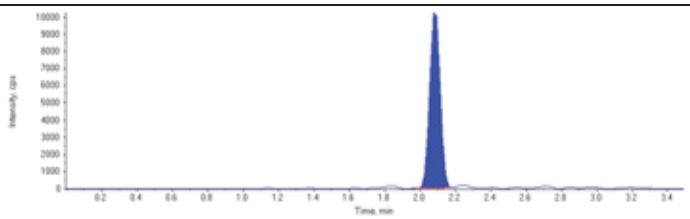
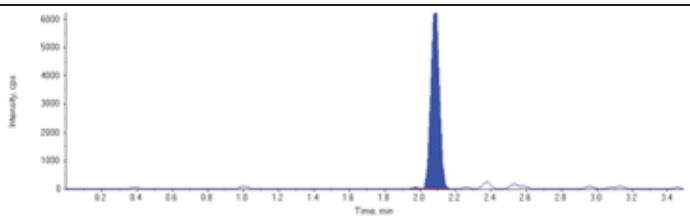
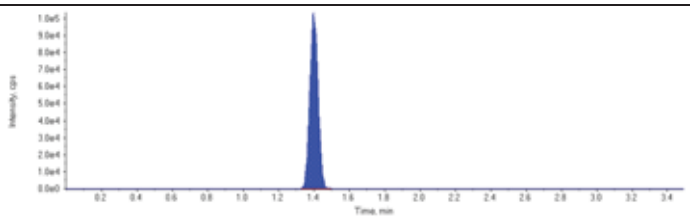
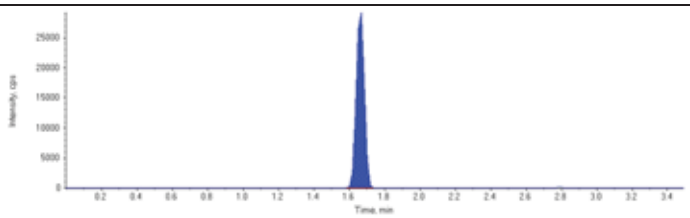
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

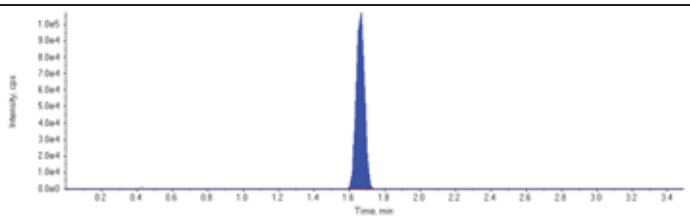
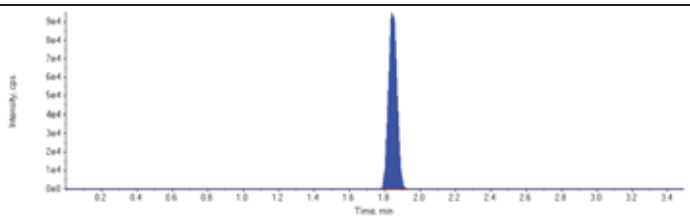
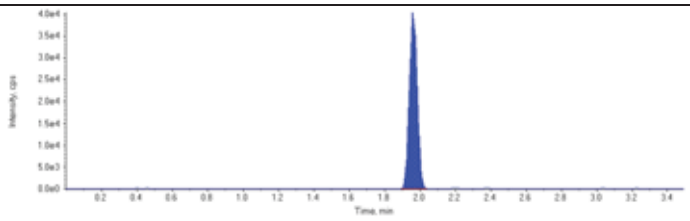
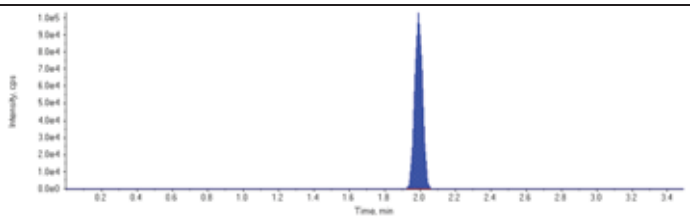
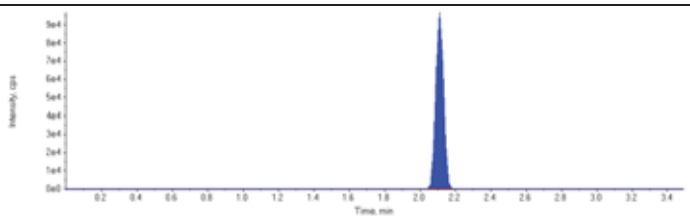
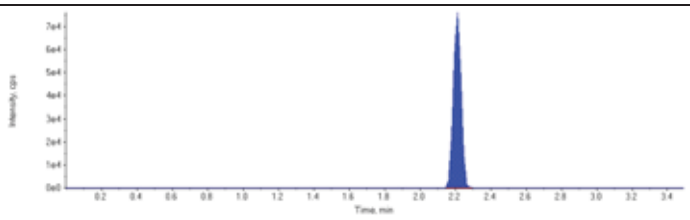
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.277 µg/L Area Ratio: 1.07 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.286 µg/L Area Ratio: 0.595 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 1.37 µg/L Area Ratio: 2.43 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 1.22 µg/L Area Ratio: 0.127 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.42 µg/L Area Ratio: 8.67 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.48 µg/L Area Ratio: 2.63 Sample Type: (Unknown)	

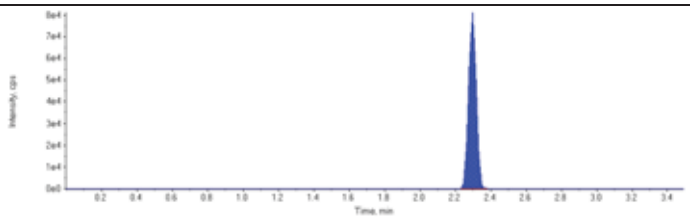
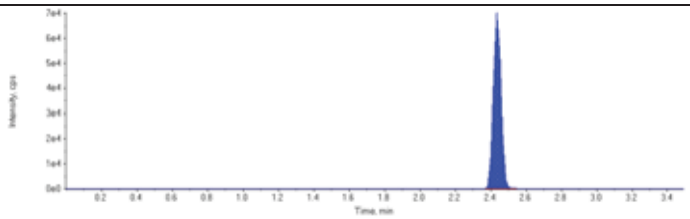
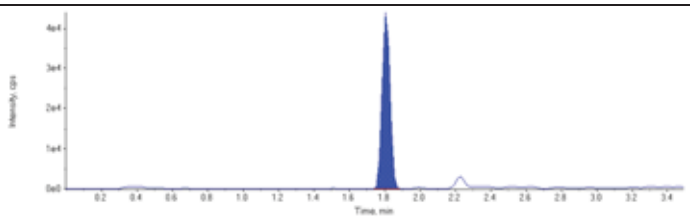
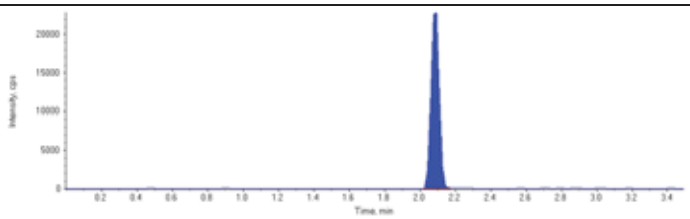
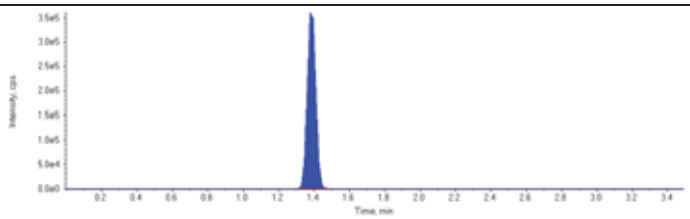
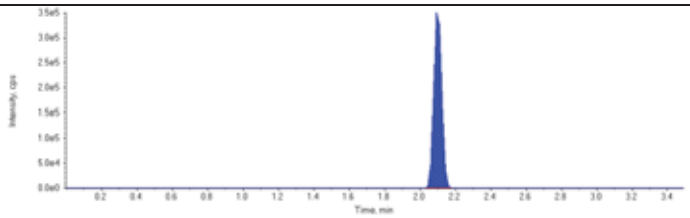
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.42 µg/L Area Ratio: 2.30 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.45 µg/L Area Ratio: 0.0440 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 0.623 µg/L Area Ratio: 1.09 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.613 µg/L Area Ratio: 0.431 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 18.1 µg/L Area Ratio: 35.2 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 16.4 µg/L Area Ratio: 9.93 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0774 µg/L Area Ratio: 0.0908 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0874 µg/L Area Ratio: 0.0286 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.0361 µg/L Area Ratio: 0.00464 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.22 (2.27) min Calculated Conc: 0.0389 µg/L Area Ratio: 0.00195 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.38 (2.37) min Calculated Conc: 0.0162 µg/L Area Ratio: 0.00200 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 1.92 µg/L Area Ratio: 2.07 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 2.02 µg/L Area Ratio: 1.50 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.08 (2.16) min Calculated Conc: 0.312 µg/L Area Ratio: 0.560 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 0.415 µg/L Area Ratio: 0.281 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 85.0 µg/L Area Ratio: 0.273 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 89.6 µg/L Area Ratio: 0.0772 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 85.9 µg/L Area Ratio: 0.284 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 93.2 µg/L Area Ratio: 0.256 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 80.8 µg/L Area Ratio: 0.103 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 86.8 µg/L Area Ratio: 0.254 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 83.1 µg/L Area Ratio: 0.257 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 88.7 µg/L Area Ratio: 0.204 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 96.4 µg/L Area Ratio: 0.214 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 76.8 µg/L Area Ratio: 0.187 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 92.7 µg/L Area Ratio: 0.111 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 92.8 µg/L Area Ratio: 0.0617 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 23.2 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 22.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

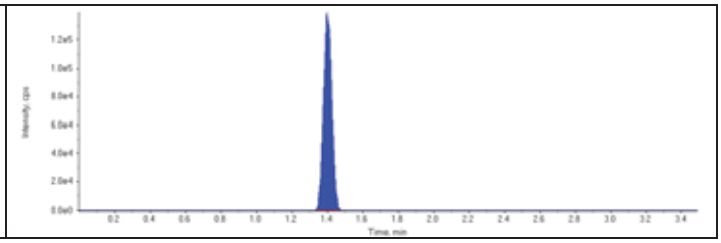
Sample ID	4988945~EJI400-01:1000x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	16
Acquisition Date	2017/05/23 2:29:52 PM	**Dilution Factor**	24.0
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for PFOS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	460000.	1.40	1.00	-
MPFHxS	111000.	1.66	1.00	-
MPFHpA	393000.	1.66	1.00	-
MPFOA	343000.	1.85	1.00	-
MPFOS	152000.	1.96	1.00	-
MPFNA	342000.	1.99	1.00	-
MPFDA	356000.	2.11	1.00	-
MPFUnA	233000.	2.21	1.00	-
MPFDoA	273000.	2.30	1.00	-
MPFTeDA	249000.	2.44	1.00	-
M2 6:2 FTS	167000.	1.81	1.00	-
M2 8:2 FTS	85700.	2.09	1.00	-
13C6-PFHxA IS	1370000.	1.39	0.0417	-
13C9-PFDA IS	1290000.	2.10	0.0417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	14000	1.09	N/A	8.37	N/A
PFBS 2	9880	1.10	N/A	7.67	N/A
PFHxA 1	42900	1.40	N/A	9.18	N/A
PFHxA 2	1520	1.39	N/A	5.10	N/A
PFHxS 1	84200	1.66	N/A	23.9	N/A
PFHxS 2	27100	1.66	N/A	26.1	N/A
PFHpA 1	13100	1.66	N/A	3.78	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	31000	1.85	N/A	9.50	N/A
PFOA 2	14400	1.84	N/A	10.9	N/A
PFOS 1	284000	1.95	N/A	98.3	N/A
PFOS 2	78900	1.96	N/A	88.9	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	1290	1.99	N/A	2.48	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	816	2.11	N/A	2.91	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	753	2.24	N/A	2.16	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	18500	1.81	N/A	15.5	N/A
6:2-FTS 2	18800	1.81	N/A	17.8	N/A
8:2-FTS 1	4540	2.08	N/A	7.12	N/A
8:2-FTS 2	1150	2.08	N/A	6.65	N/A
13C2-PFHxA	460000	1.40	N/A	105.	N/A
18O2-PFHxS	111000	1.66	N/A	94.0	N/A
13C4-PFHpA	393000	1.66	N/A	87.0	N/A
13C4-PFOA	343000	1.85	N/A	91.2	N/A
13C4-PFOS	152000	1.96	N/A	87.7	N/A
13C5-PFNA	342000	1.99	N/A	85.3	N/A
13C2-PFDA	356000	2.11	N/A	89.4	N/A
13C2-PFUnA	233000	2.21	N/A	78.8	N/A
13C2-PFDoA	273000	2.30	N/A	95.6	N/A
13C2-PFTeDA	249000	2.44	N/A	79.5	N/A
13C2-6:2-FTS	167000	1.81	N/A	102.	N/A
13C2-8:2 FTS	85700	2.09	N/A	94.2	N/A
13C6-PFHxA	1370000	1.39	N/A	2570.	N/A
13C9-PFDA	1290000	2.10	N/A	2580.	N/A

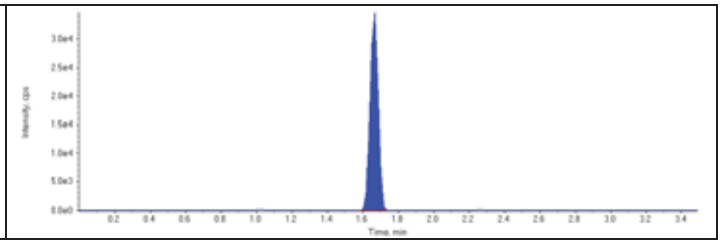
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



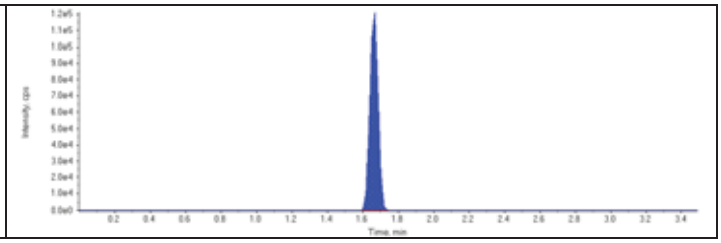
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



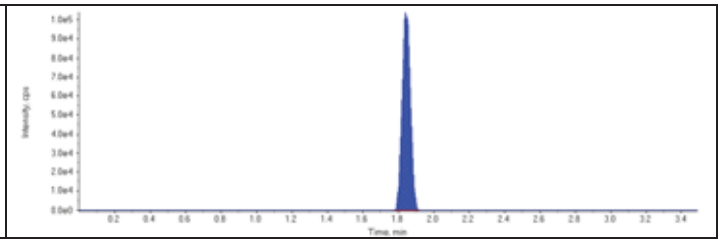
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



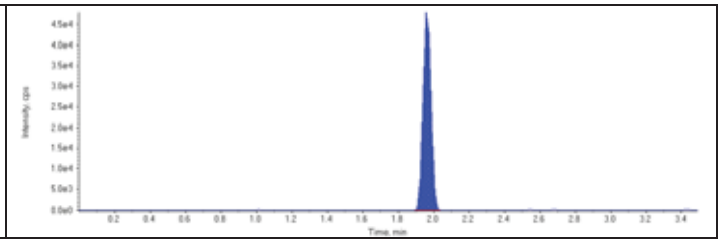
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



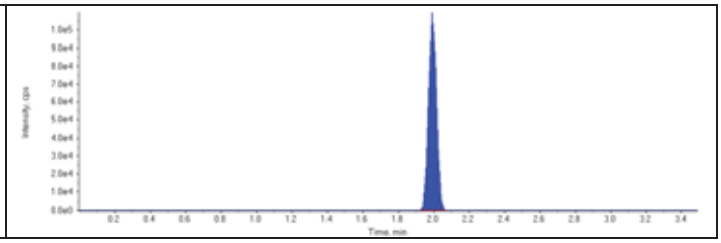
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



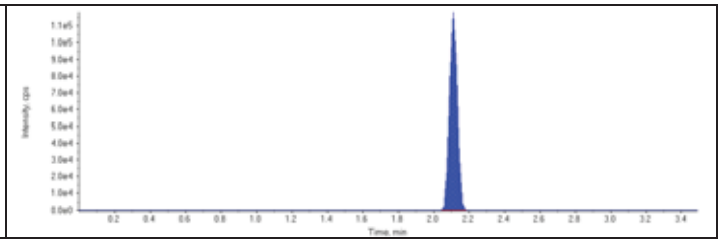
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



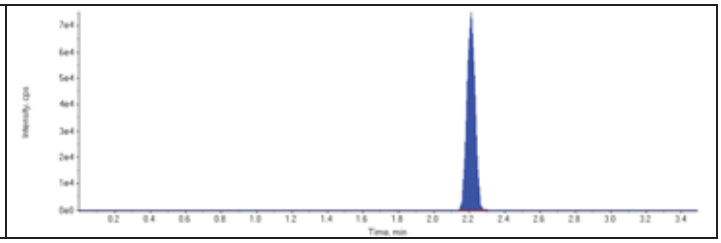
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



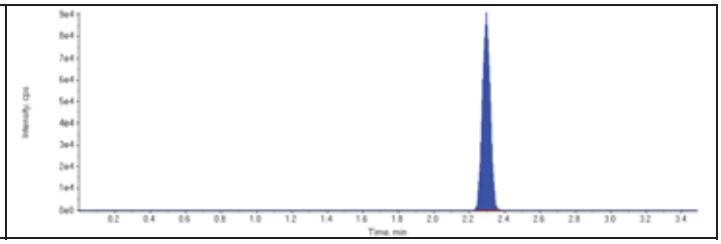
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



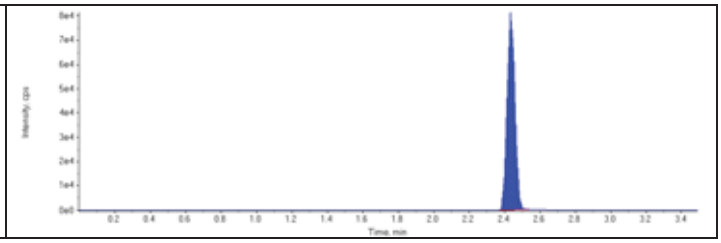
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



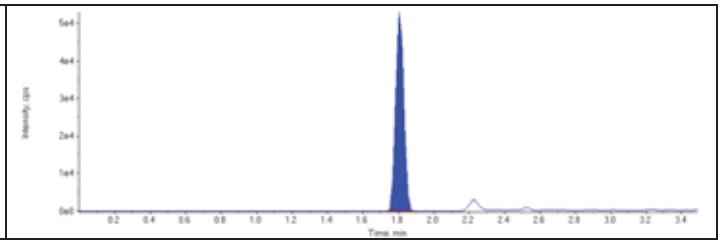
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



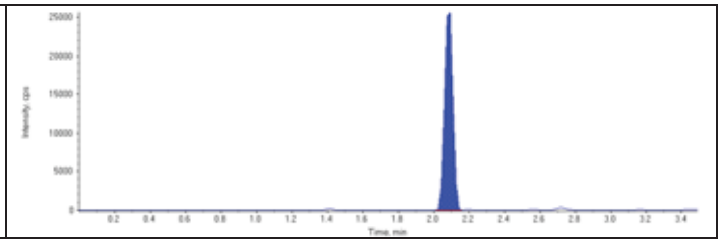
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



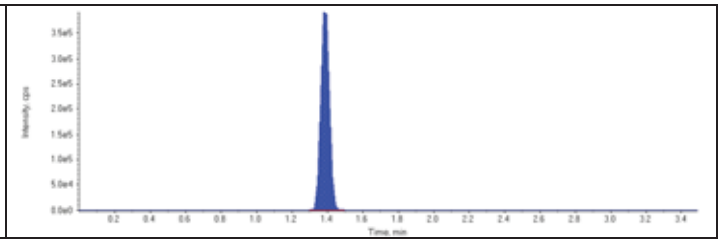
M2 8:2 FTS (Internal Standard)

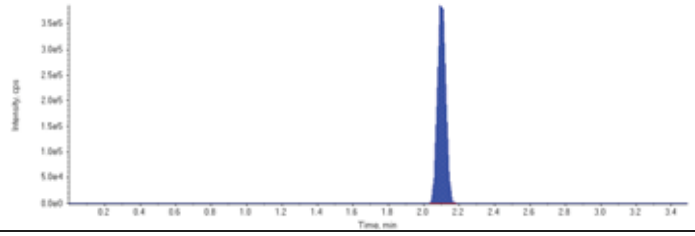
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

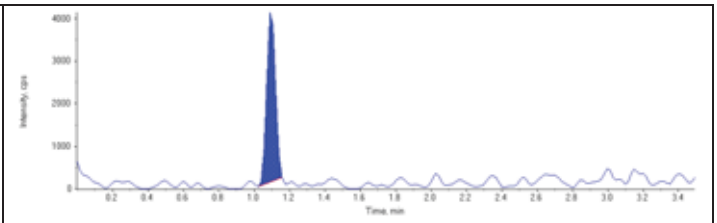
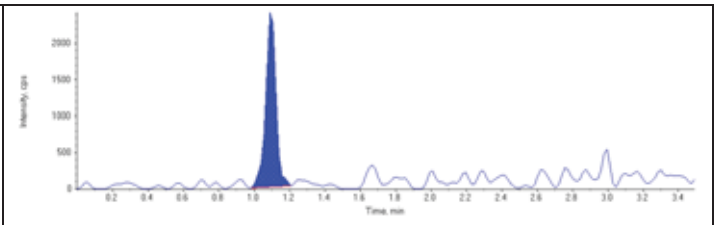
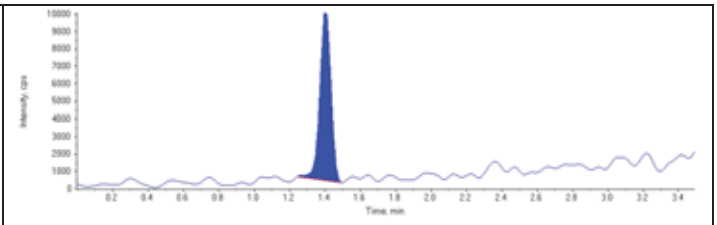
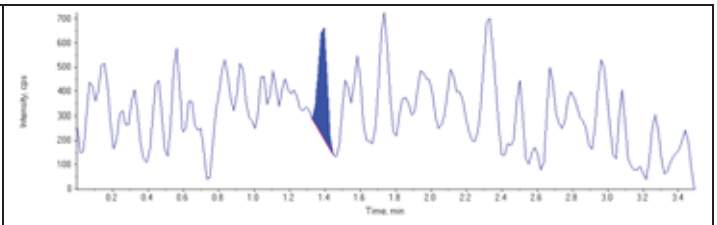
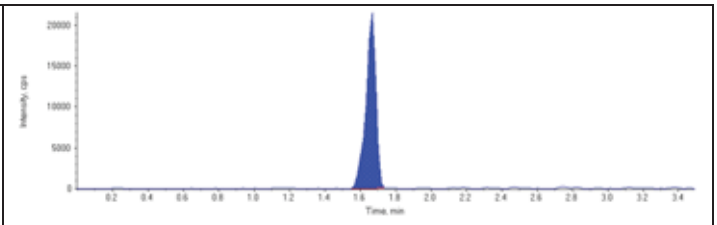
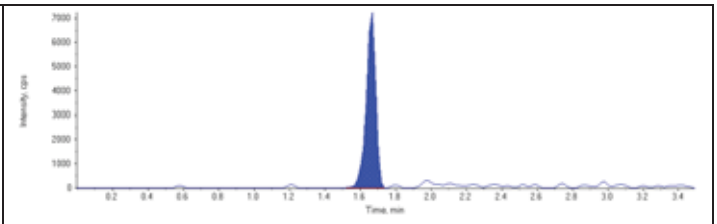


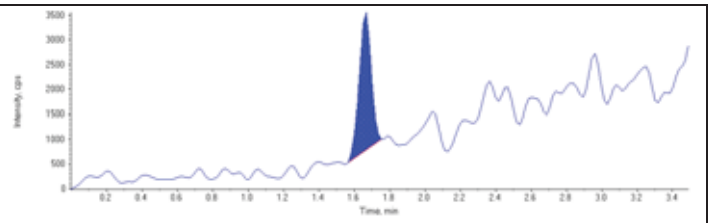
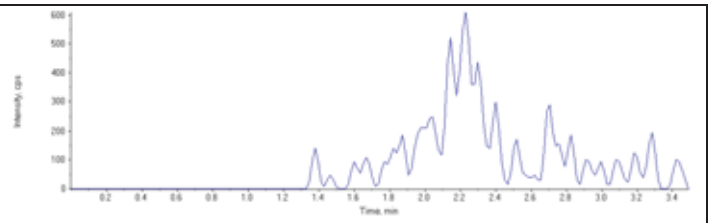
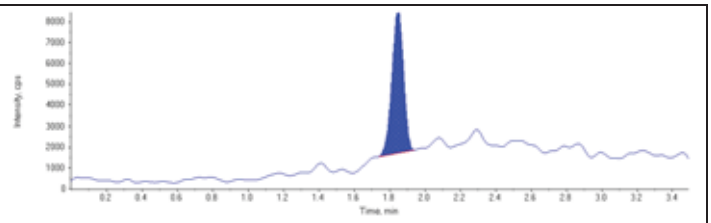
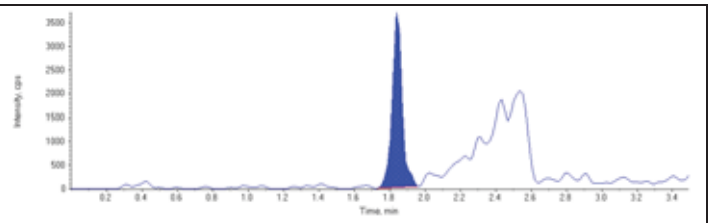
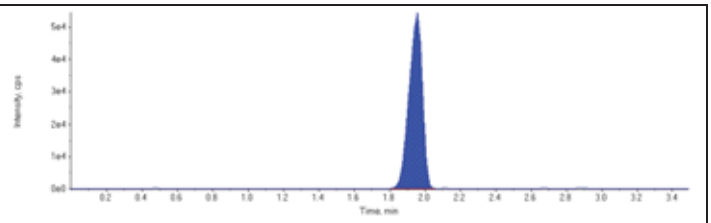
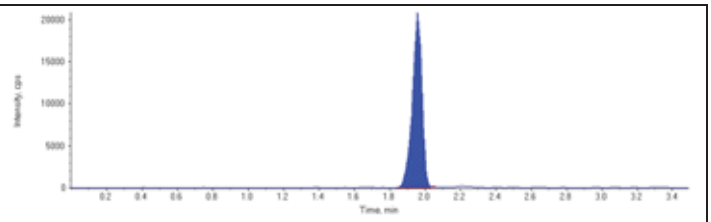
13C6-PFHxA IS (Internal Standard)

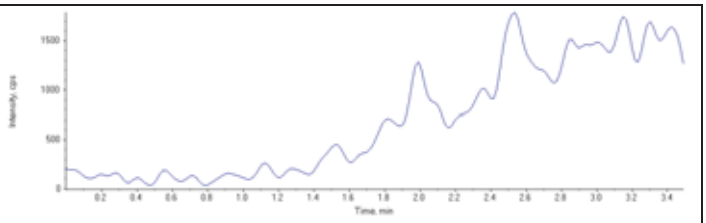
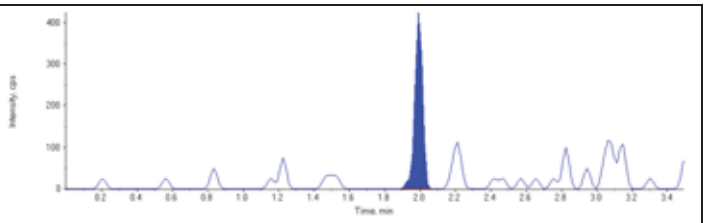
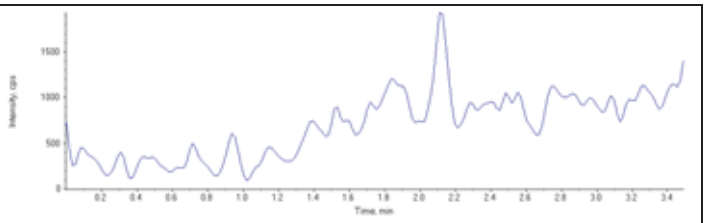
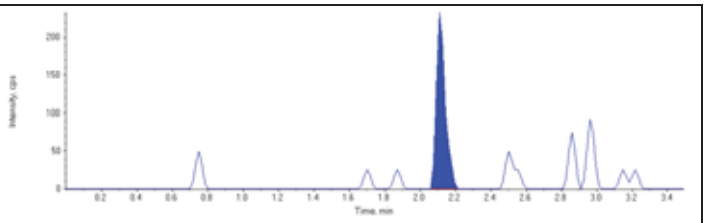
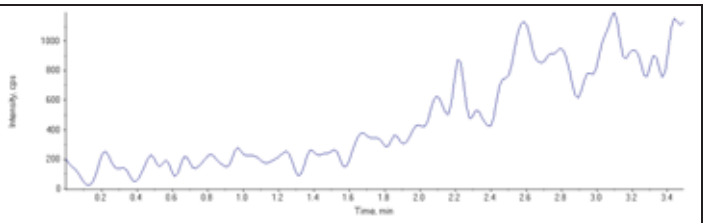
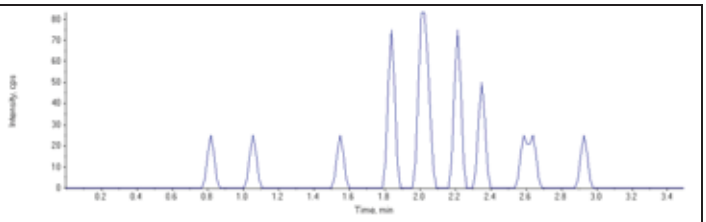
RT (Exp. RT): 1.39(1.40) min
Concentration: 0.0417 ug/L
Sample Type: (Unknown)

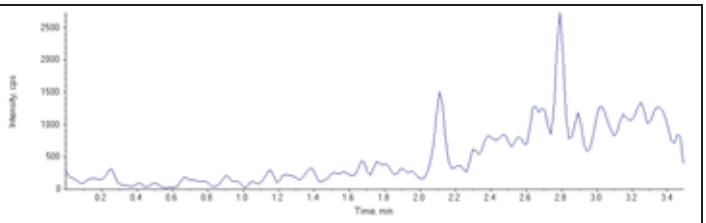
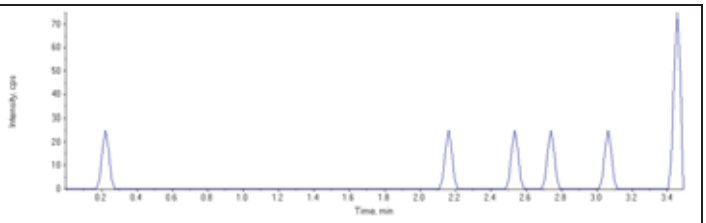
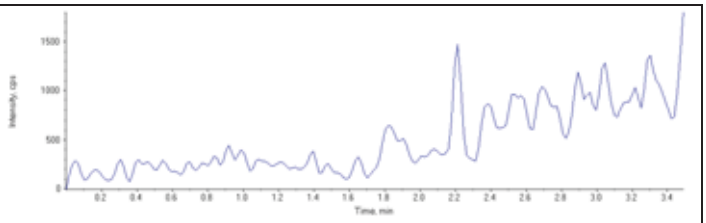
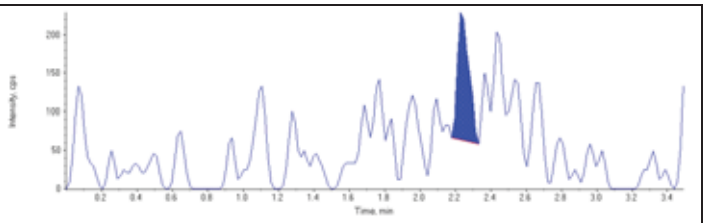
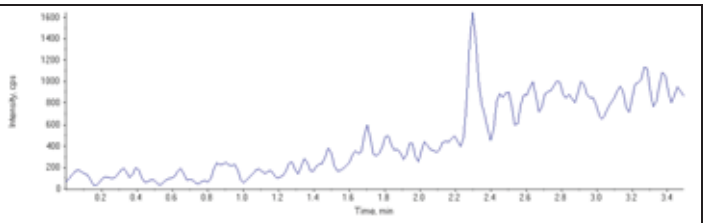
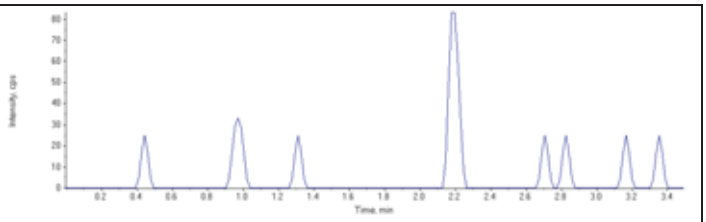


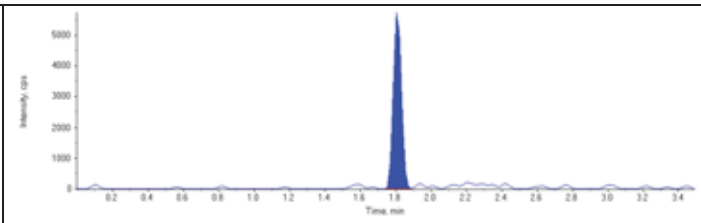
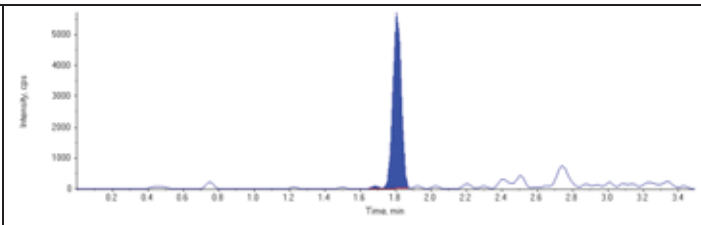
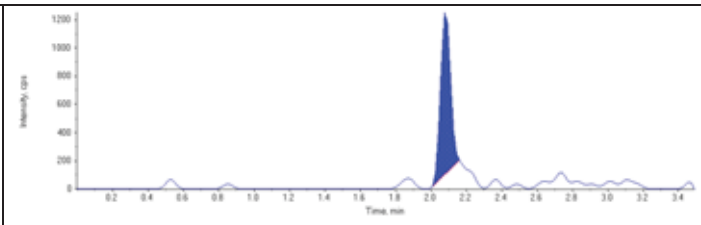
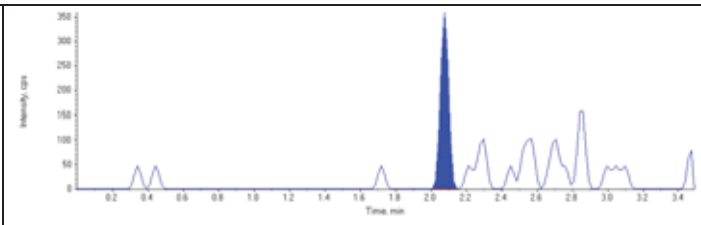
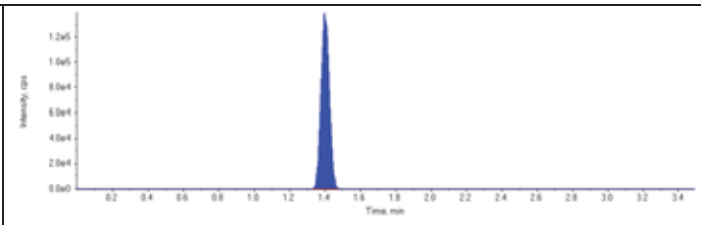
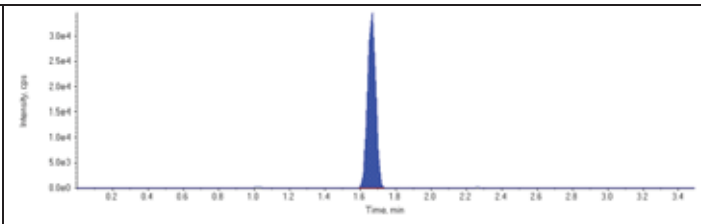
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.0417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

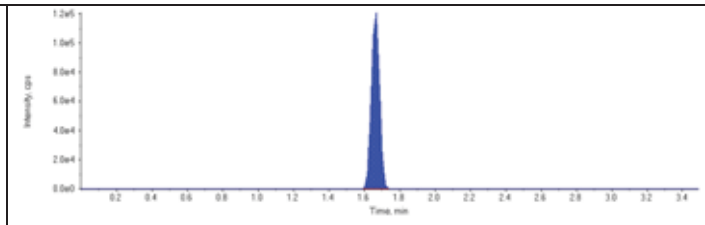
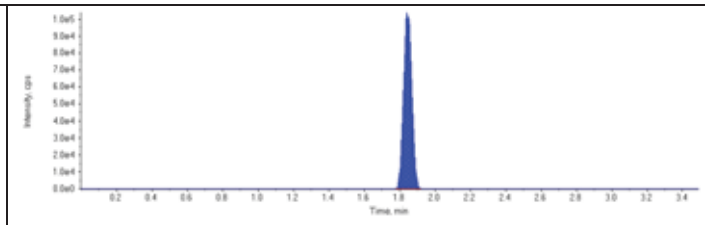
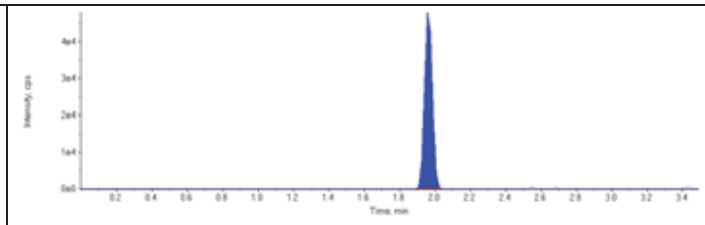
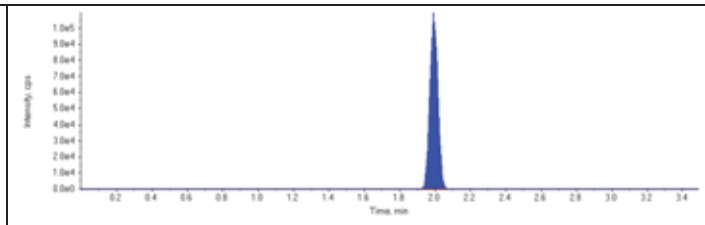
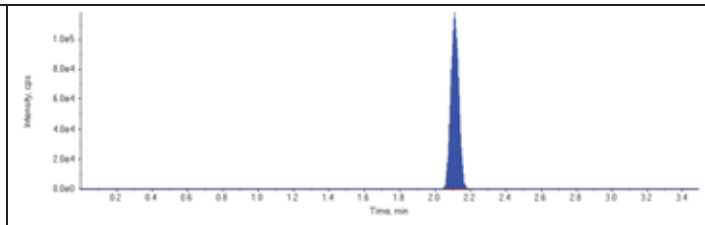
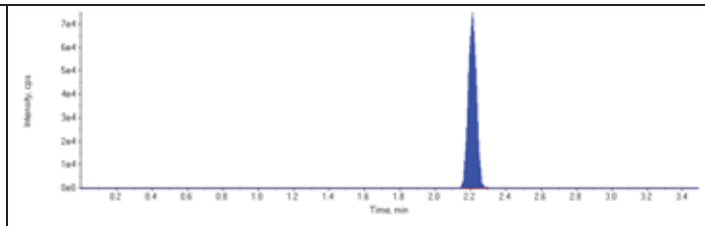
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 8.37 µg/L Area Ratio: 0.126 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 7.67 µg/L Area Ratio: 0.0891 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 9.18 µg/L Area Ratio: 0.0931 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.39 (1.41) min Calculated Conc: 5.10 µg/L Area Ratio: 0.00329 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 23.9 µg/L Area Ratio: 0.760 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 26.1 µg/L Area Ratio: 0.245 Sample Type: (Unknown)	

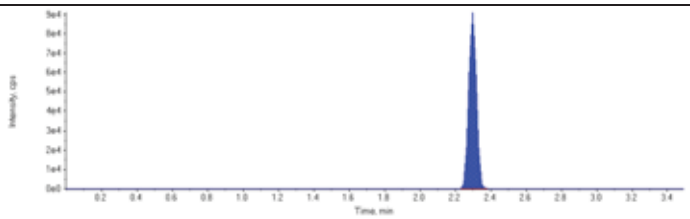
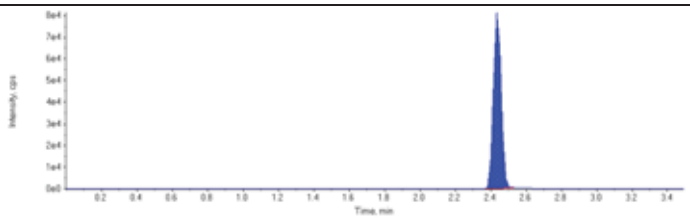
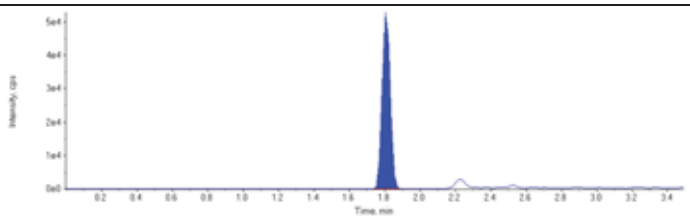
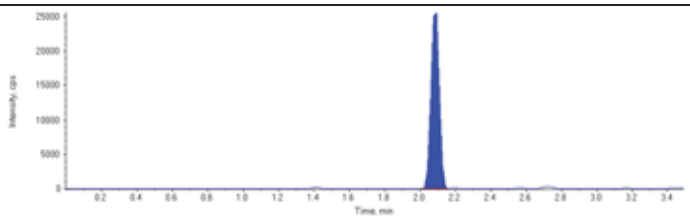
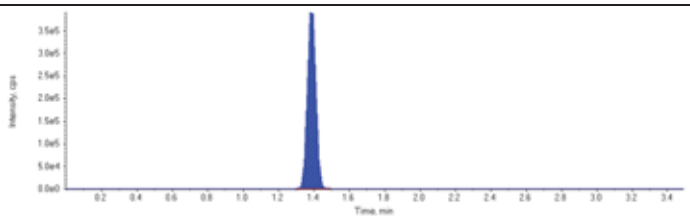
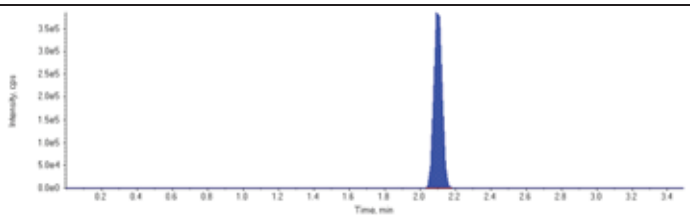
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 3.78 µg/L Area Ratio: 0.0332 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 9.50 µg/L Area Ratio: 0.0903 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 10.9 µg/L Area Ratio: 0.0420 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 98.3 µg/L Area Ratio: 1.87 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 88.9 µg/L Area Ratio: 0.519 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 2.48 µg/L Area Ratio: 0.00379 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 2.91 µg/L Area Ratio: 0.00229 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.24 (2.37) min Calculated Conc: 2.16 µg/L Area Ratio: 0.00302 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 15.5 µg/L Area Ratio: 0.111 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 17.8 µg/L Area Ratio: 0.113 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.08 (2.16) min Calculated Conc: 7.12 µg/L Area Ratio: 0.0530 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 6.65 µg/L Area Ratio: 0.0134 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 105. µg/L Area Ratio: 0.337 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 94.0 µg/L Area Ratio: 0.0810 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 87.0 µg/L Area Ratio: 0.288 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 91.2 µg/L Area Ratio: 0.251 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 87.7 µg/L Area Ratio: 0.111 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 85.3 µg/L Area Ratio: 0.250 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 89.4 µg/L Area Ratio: 0.277 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 78.8 µg/L Area Ratio: 0.181 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 95.6 µg/L Area Ratio: 0.213 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 79.5 µg/L Area Ratio: 0.194 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 102. µg/L Area Ratio: 0.122 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 94.2 µg/L Area Ratio: 0.0627 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2570. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2580. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

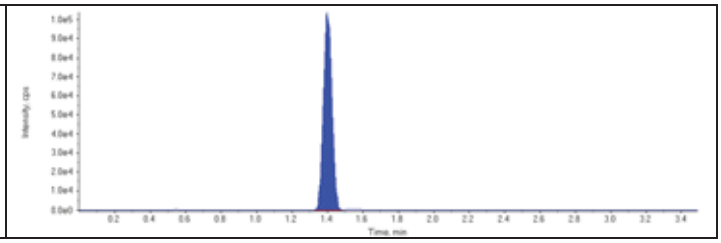
Sample ID	4988945~EJI400-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	17
Acquisition Date	2017/05/23 2:34:56 PM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for all, except PFOS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	345000.	1.40	1.00	-
MPFHxS	86900.	1.66	1.00	-
MPFHpA	398000.	1.66	1.00	-
MPFOA	302000.	1.84	1.00	-
MPFOS	121000.	1.96	1.00	-
MPFNA	314000.	1.99	1.00	-
MPFDA	315000.	2.11	1.00	-
MPFUnA	238000.	2.21	1.00	-
MPFDoA	238000.	2.30	1.00	-
MPFTeDA	213000.	2.44	1.00	-
M2 6:2 FTS	144000.	1.81	1.00	-
M2 8:2 FTS	70800.	2.09	1.00	-
13C6-PFHxA IS	1310000.	1.39	0.417	-
13C9-PFDA IS	1410000.	2.10	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	136000	1.10	N/A	3.77	N/A
PFBS 2	68300	1.10	N/A	3.65	N/A
PFHxA 1	467000	1.40	N/A	7.82	N/A
PFHxA 2	24100	1.40	N/A	6.79	N/A
PFHxS 1	906000	1.66	N/A	29.0	N/A
PFHxS 2	277000	1.66	N/A	30.0	N/A
PFHpA 1	122000	1.66	N/A	2.05	N/A
PFHpA 2	3910	1.67	N/A	2.88	N/A
PFOA 1	314000	1.85	N/A	5.95	N/A
PFOA 2	136000	1.84	N/A	6.39	N/A
PFOS 1	3070000	1.95	N/A	130.	N/A
PFOS 2	878000	1.96	N/A	120.	N/A
PFNA 1	13700	1.99	N/A	0.460	N/A
PFNA 2	4320	1.99	N/A	0.501	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	817	2.10	N/A	0.300	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	883	2.42	N/A	0.275	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	213000	1.81	N/A	13.9	N/A
6:2-FTS 2	153000	1.81	N/A	14.4	N/A
8:2-FTS 1	46600	2.09	N/A	3.59	N/A
8:2-FTS 2	24500	2.08	N/A	5.00	N/A
13C2-PFHxA	345000	1.40	N/A	81.9	N/A
18O2-PFHxS	86900	1.66	N/A	76.8	N/A
13C4-PFHpA	398000	1.66	N/A	91.9	N/A
13C4-PFOA	302000	1.84	N/A	83.7	N/A
13C4-PFOS	121000	1.96	N/A	72.7	N/A
13C5-PFNA	314000	1.99	N/A	81.6	N/A
13C2-PFDA	315000	2.11	N/A	72.3	N/A
13C2-PFUnA	238000	2.21	N/A	73.5	N/A
13C2-PFDoA	238000	2.30	N/A	76.1	N/A
13C2-PFTeDA	213000	2.44	N/A	62.0	N/A
13C2-6:2-FTS	144000	1.81	N/A	92.0	N/A
13C2-8:2 FTS	70800	2.09	N/A	81.1	N/A
13C6-PFHxA	1310000	1.39	N/A	246.	N/A
13C9-PFDA	1410000	2.10	N/A	282.	N/A

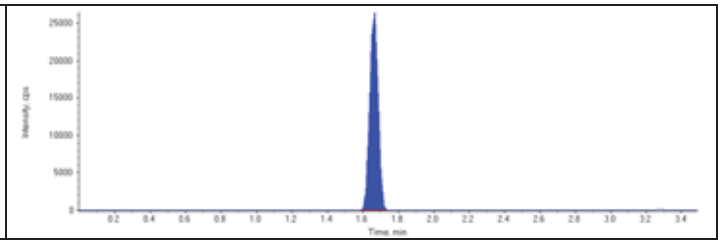
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



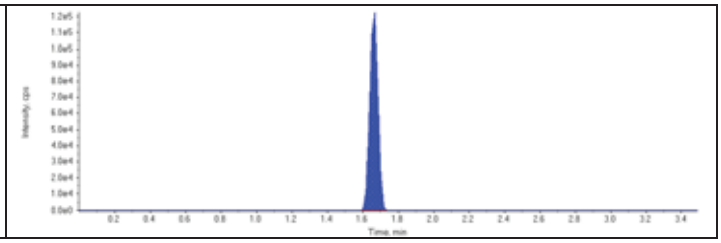
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



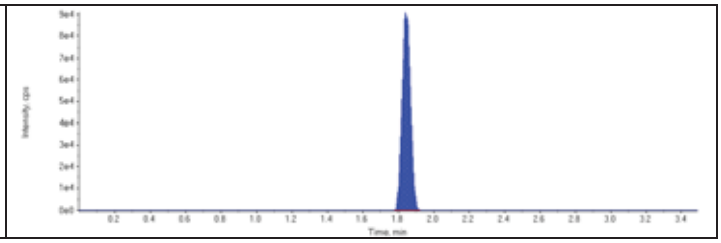
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



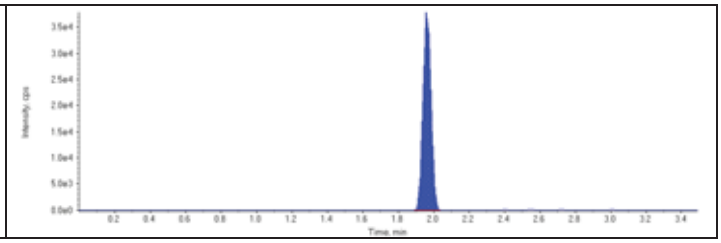
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



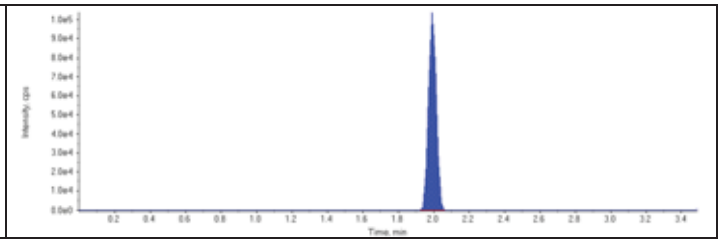
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



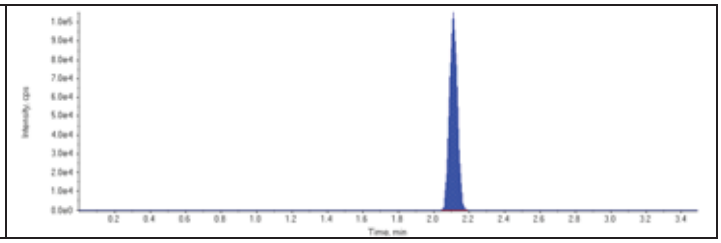
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



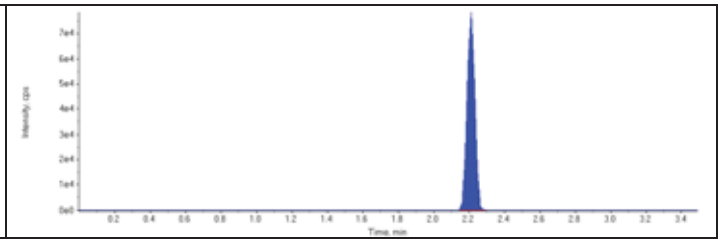
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



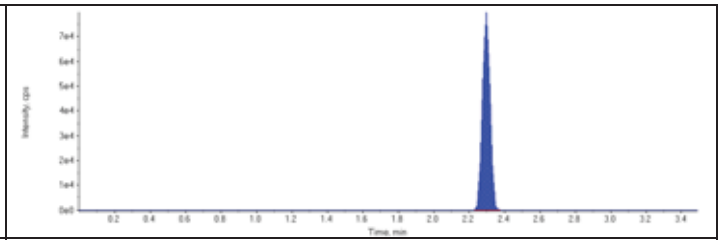
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



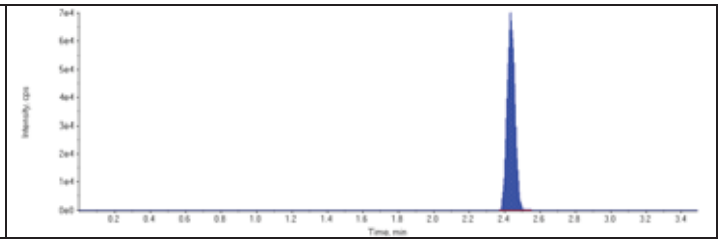
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



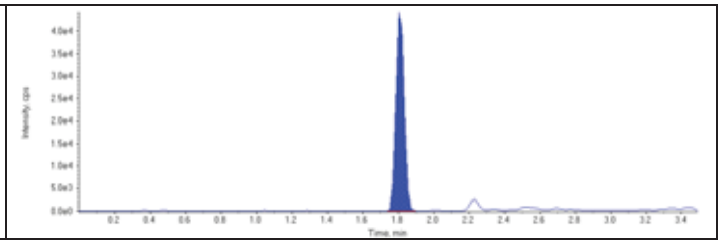
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



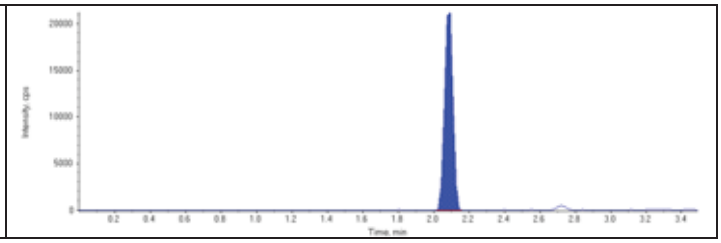
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



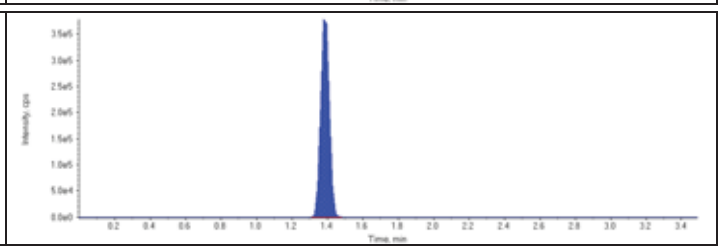
M2 8:2 FTS (Internal Standard)

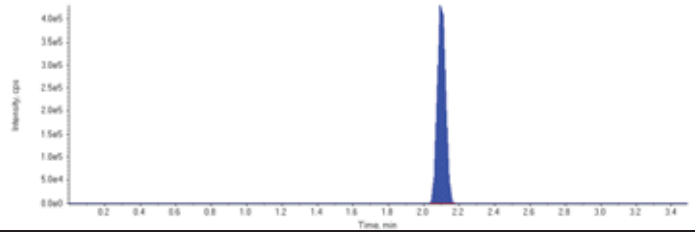
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

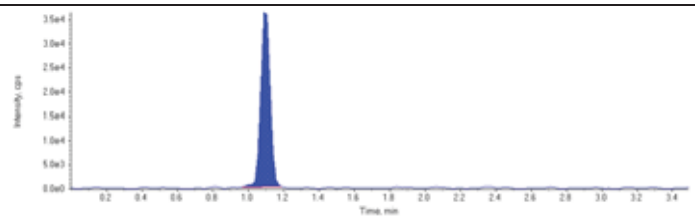
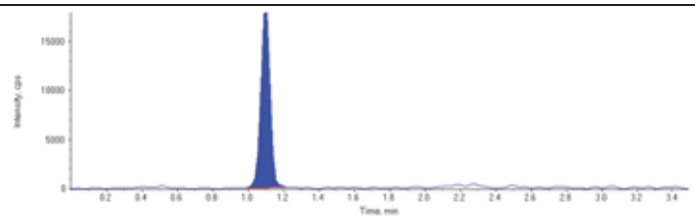
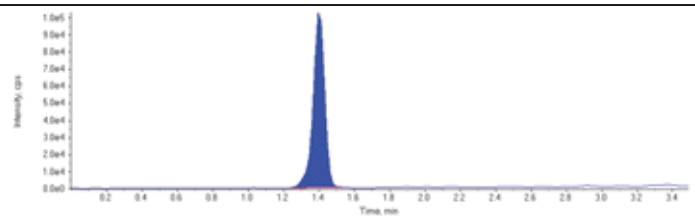
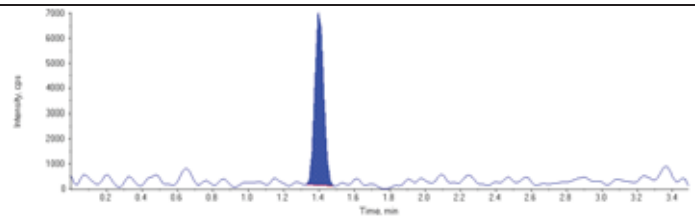
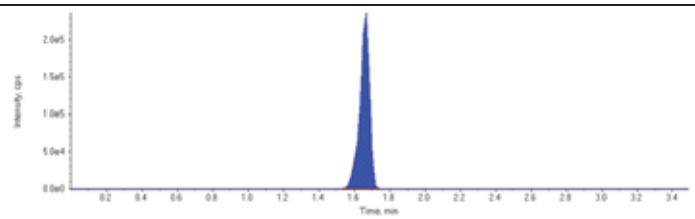
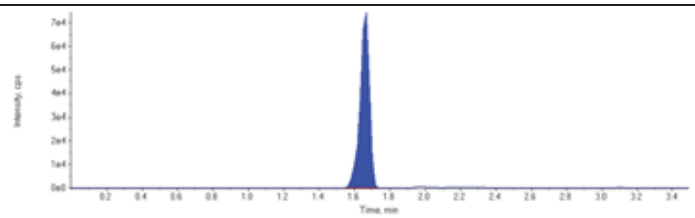


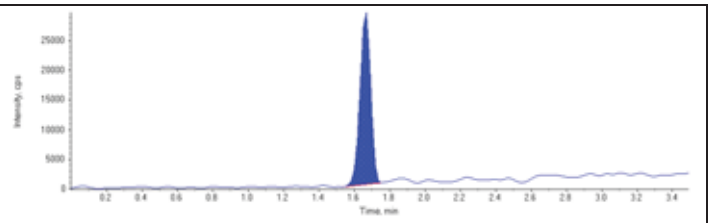
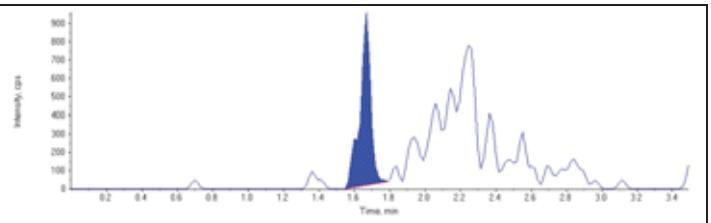
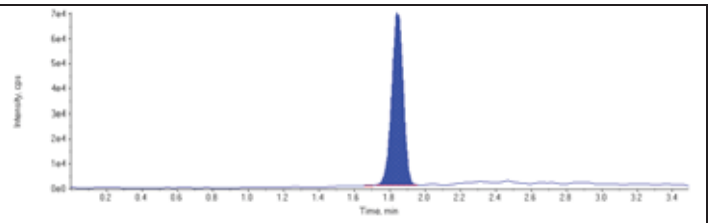
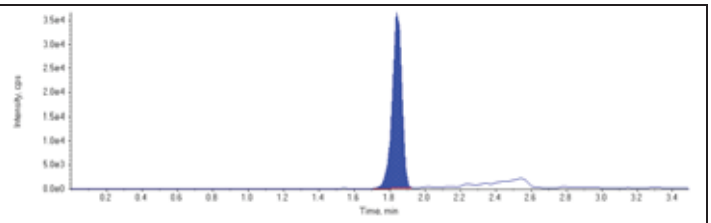
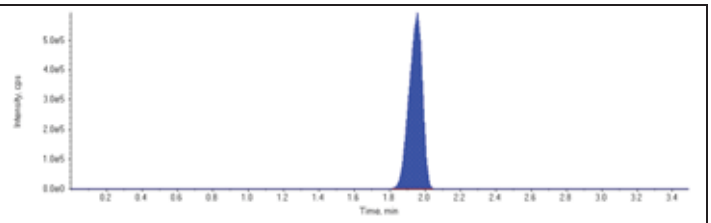
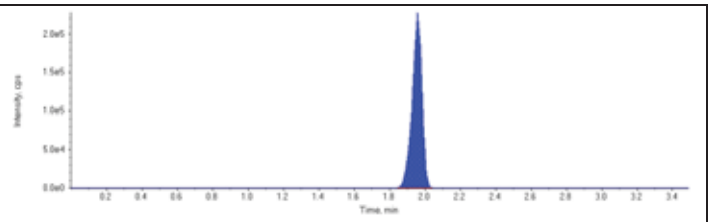
13C6-PFHxA IS (Internal Standard)

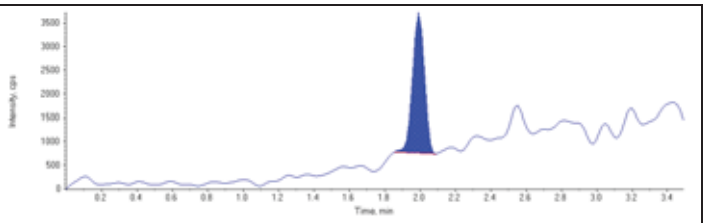
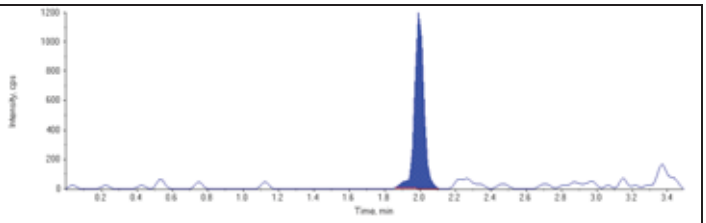
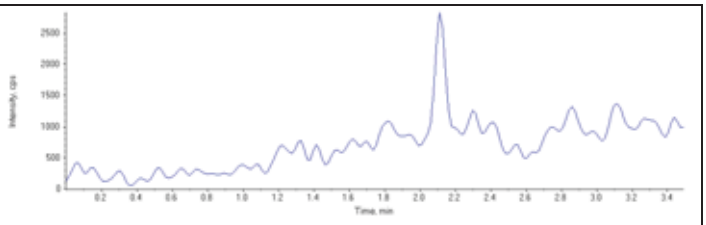
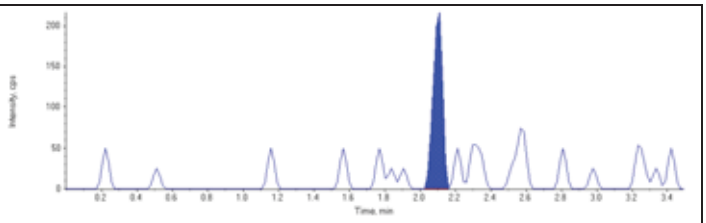
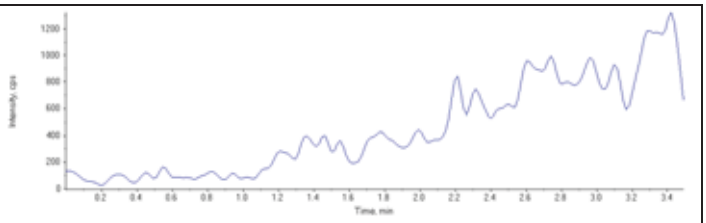
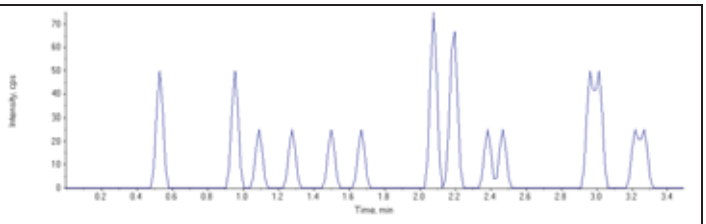
RT (Exp. RT): 1.39(1.40) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

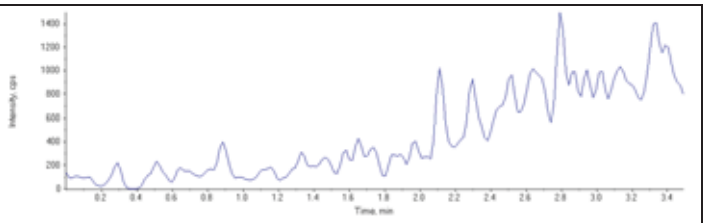
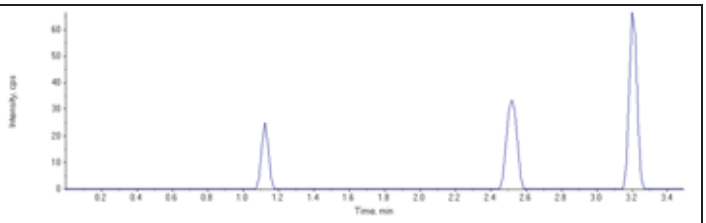
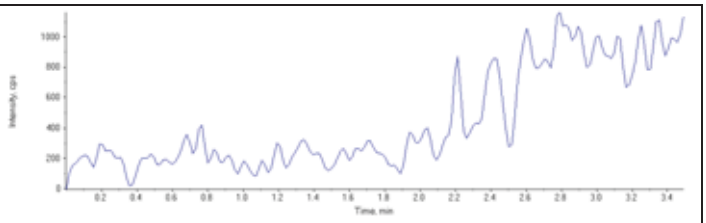
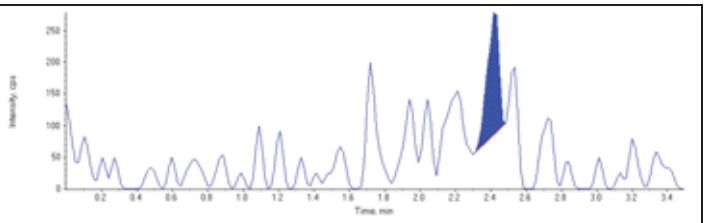
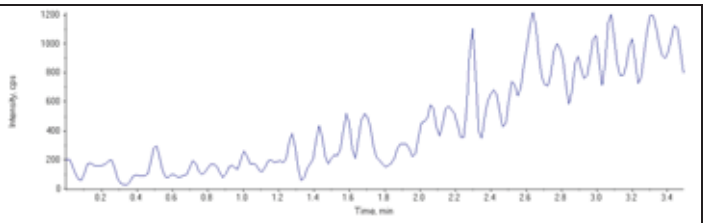
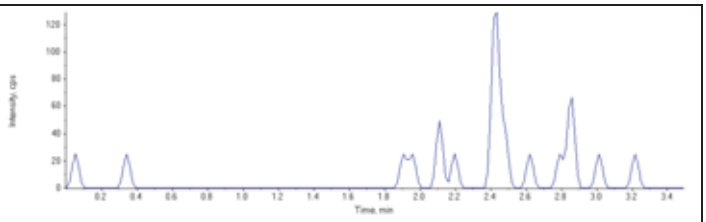


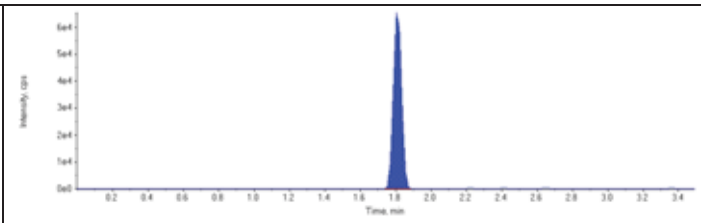
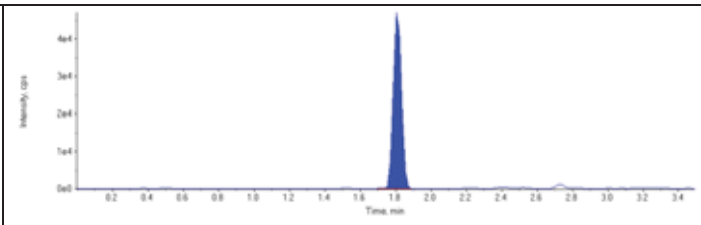
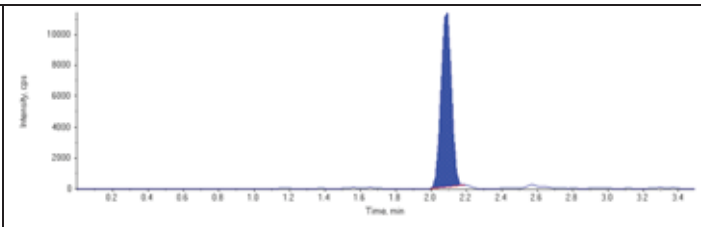
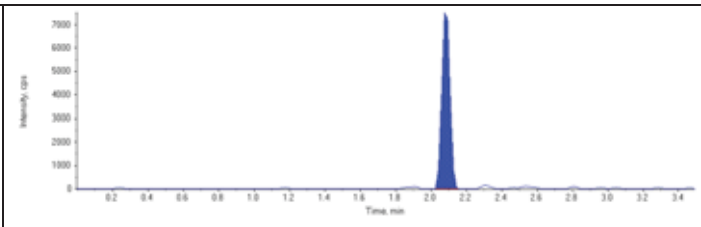
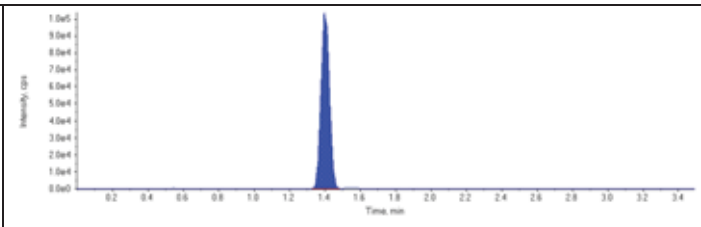
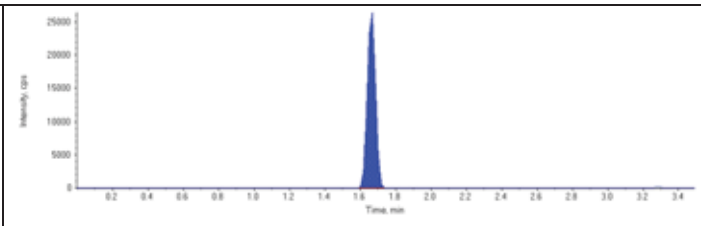
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

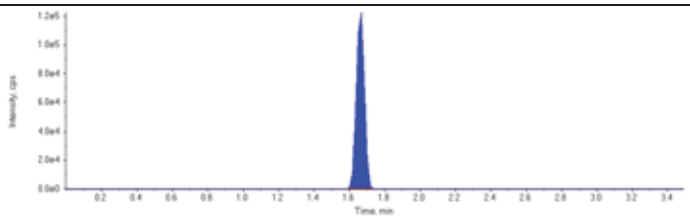
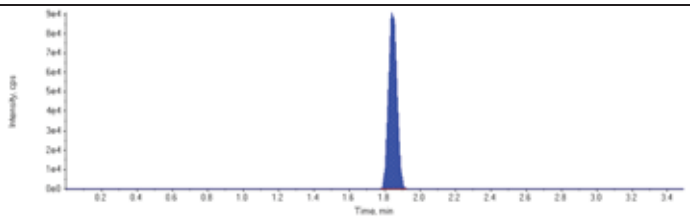
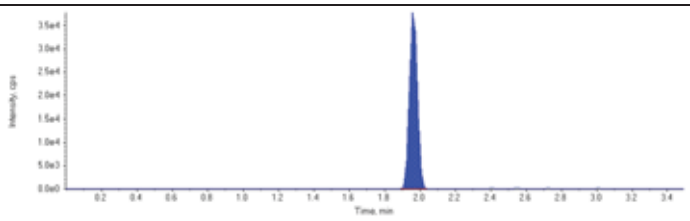
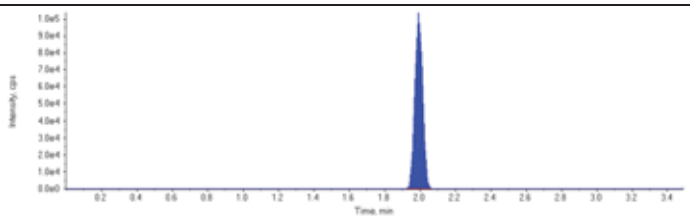
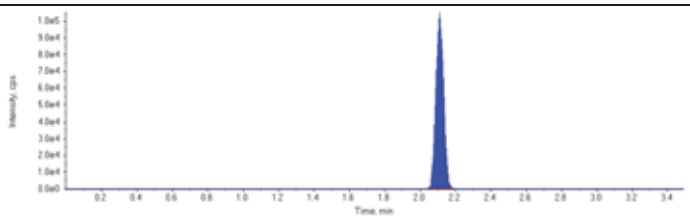
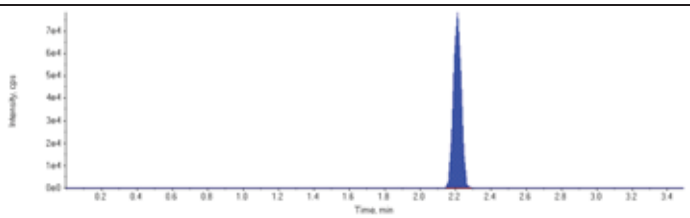
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 3.77 µg/L Area Ratio: 1.56 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 3.65 µg/L Area Ratio: 0.786 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 7.82 µg/L Area Ratio: 1.35 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 6.79 µg/L Area Ratio: 0.0698 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 29.0 µg/L Area Ratio: 10.4 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 30.0 µg/L Area Ratio: 3.19 Sample Type: (Unknown)	

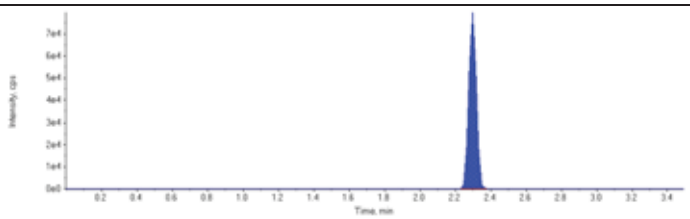
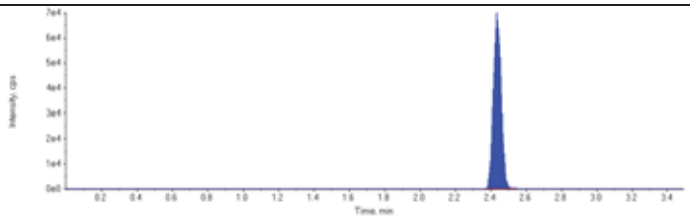
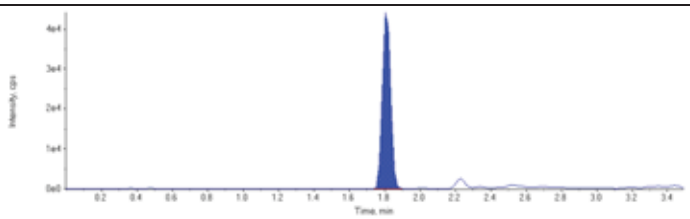
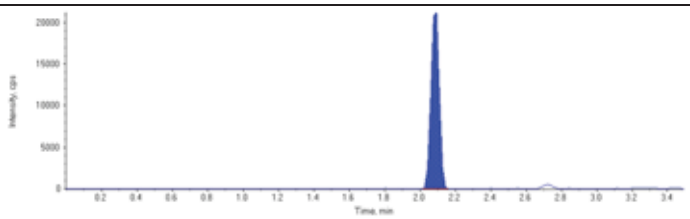
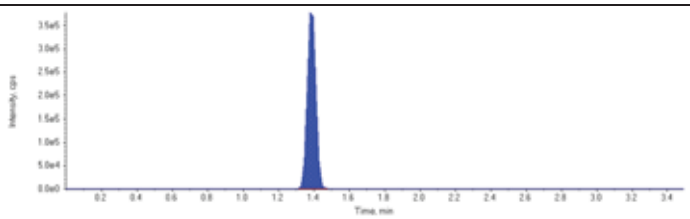
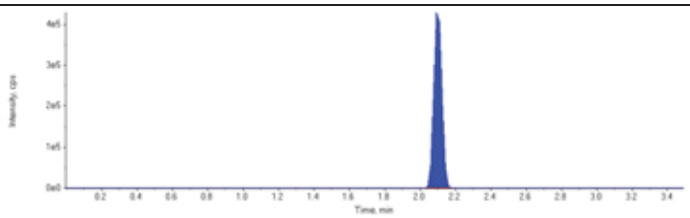
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.05 µg/L Area Ratio: 0.307 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 2.88 µg/L Area Ratio: 0.00982 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 5.95 µg/L Area Ratio: 1.04 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 6.39 µg/L Area Ratio: 0.451 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 130. µg/L Area Ratio: 25.4 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 120. µg/L Area Ratio: 7.26 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.460 µg/L Area Ratio: 0.0436 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.501 µg/L Area Ratio: 0.0138 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.10 (2.11) min Calculated Conc: 0.300 µg/L Area Ratio: 0.00259 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.42 (2.37) min Calculated Conc: 0.275 µg/L Area Ratio: 0.00415 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 13.9 µg/L Area Ratio: 1.48 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 14.4 µg/L Area Ratio: 1.06 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 3.59 µg/L Area Ratio: 0.658 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 5.00 µg/L Area Ratio: 0.346 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 81.9 µg/L Area Ratio: 0.263 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 76.8 µg/L Area Ratio: 0.0663 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 91.9 µg/L Area Ratio: 0.304 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 83.7 µg/L Area Ratio: 0.230 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 72.7 µg/L Area Ratio: 0.0922 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 81.6 µg/L Area Ratio: 0.239 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 72.3 µg/L Area Ratio: 0.224 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 73.5 µg/L Area Ratio: 0.169 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 76.1 µg/L Area Ratio: 0.169 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 62.0 µg/L Area Ratio: 0.151 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 92.0 µg/L Area Ratio: 0.110 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 81.1 µg/L Area Ratio: 0.0540 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 246. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 282. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

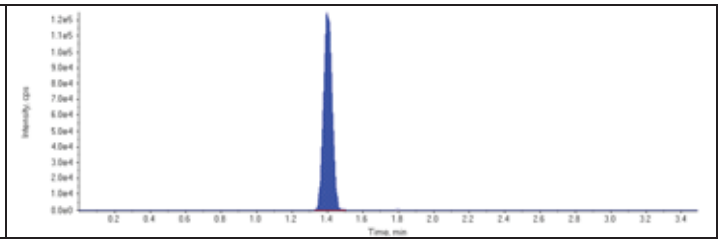
Sample ID	4988945~EJI400-01:D1:1000x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	18
Acquisition Date	2017/05/23 2:45:05 PM	**Dilution Factor**	24.0
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for PFOS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	419000.	1.40	1.00	-
MPFHxS	114000.	1.66	1.00	-
MPFHpA	397000.	1.66	1.00	-
MPFOA	345000.	1.84	1.00	-
MPFOS	158000.	1.96	1.00	-
MPFNA	409000.	1.99	1.00	-
MPFDA	364000.	2.11	1.00	-
MPFUnA	283000.	2.21	1.00	-
MPFDoA	285000.	2.30	1.00	-
MPFTeDA	281000.	2.44	1.00	-
M2 6:2 FTS	134000.	1.81	1.00	-
M2 8:2 FTS	78600.	2.08	1.00	-
13C6-PFHxA IS	1330000.	1.39	0.0417	-
13C9-PFDA IS	1280000.	2.10	0.0417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	17700	1.09	N/A	8.99	N/A
PFBS 2	7920	1.09	N/A	6.86	N/A
PFHxA 1	46500	1.41	N/A	10.2	N/A
PFHxA 2	5400	1.40	N/A	14.2	N/A
PFHxS 1	95700	1.66	N/A	26.1	N/A
PFHxS 2	26900	1.66	N/A	25.3	N/A
PFHpA 1	14500	1.66	N/A	3.98	N/A
PFHpA 2	690	1.53	N/A	1.35	N/A
PFOA 1	37900	1.85	N/A	10.5	N/A
PFOA 2	14200	1.84	N/A	10.7	N/A
PFOS 1	300000	1.95	N/A	100.	N/A
PFOS 2	90500	1.96	N/A	97.7	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	409	1.99	N/A	1.77	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	340	2.21	N/A	3.51	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	31500	1.81	N/A	26.7	N/A
6:2-FTS 2	16000	1.81	N/A	18.6	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	1370	2.09	N/A	7.17	N/A
13C2-PFHxA	419000	1.40	N/A	98.1	N/A
18O2-PFHxS	114000	1.66	N/A	99.2	N/A
13C4-PFHpA	397000	1.66	N/A	90.5	N/A
13C4-PFOA	345000	1.84	N/A	94.5	N/A
13C4-PFOS	158000	1.96	N/A	93.9	N/A
13C5-PFNA	409000	1.99	N/A	105.	N/A
13C2-PFDA	364000	2.11	N/A	91.3	N/A
13C2-PFUnA	283000	2.21	N/A	95.8	N/A
13C2-PFDoA	285000	2.30	N/A	99.5	N/A
13C2-PFTeDA	281000	2.44	N/A	89.6	N/A
13C2-6:2-FTS	134000	1.81	N/A	84.7	N/A
13C2-8:2 FTS	78600	2.08	N/A	88.9	N/A
13C6-PFHxA	1330000	1.39	N/A	2490.	N/A
13C9-PFDA	1280000	2.10	N/A	2580.	N/A

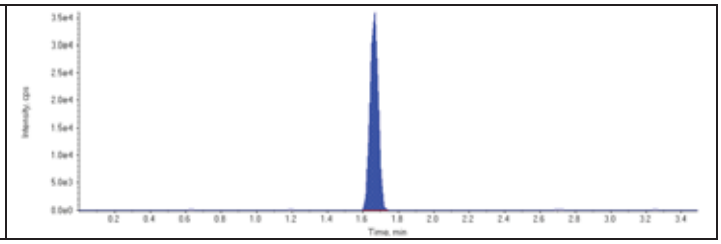
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



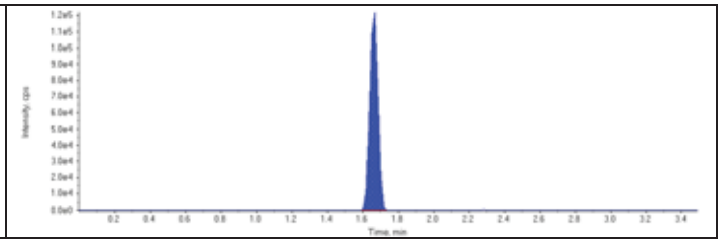
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



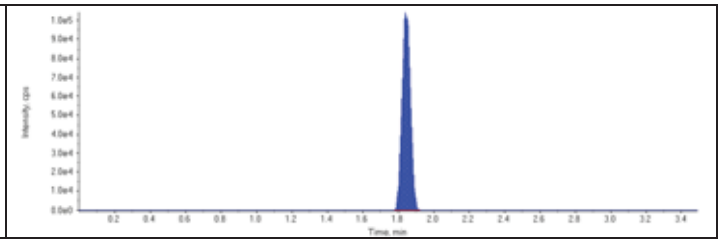
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



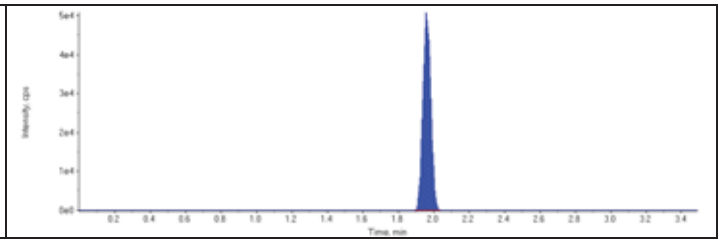
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



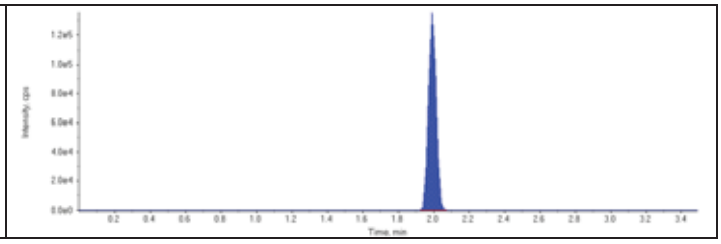
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



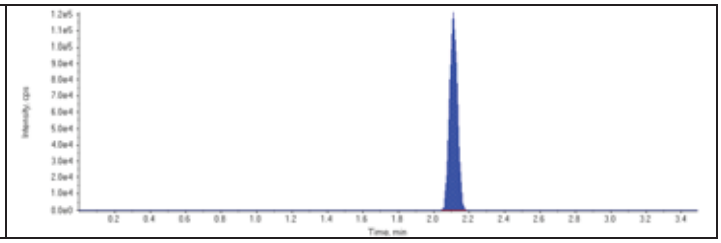
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



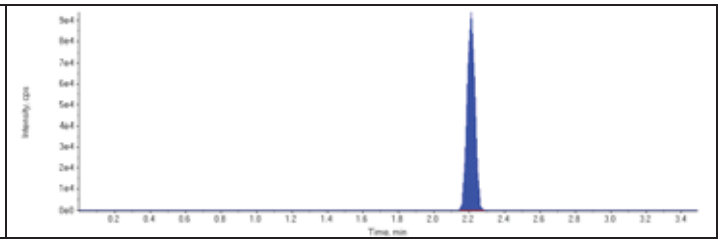
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



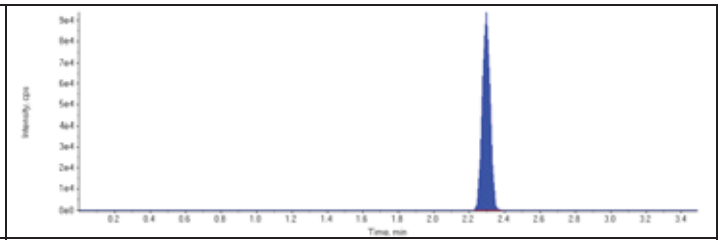
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



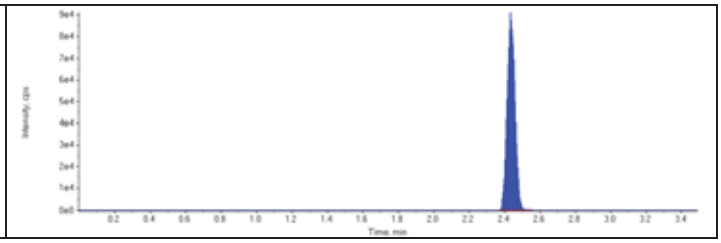
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



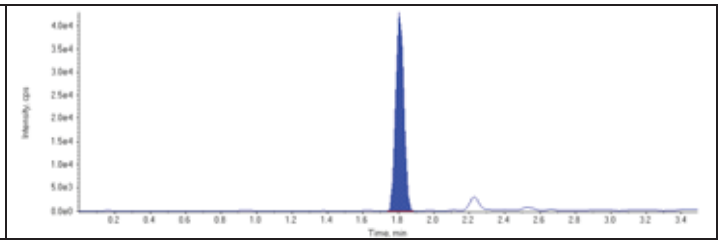
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



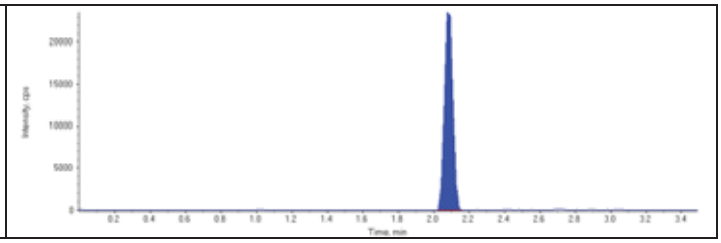
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



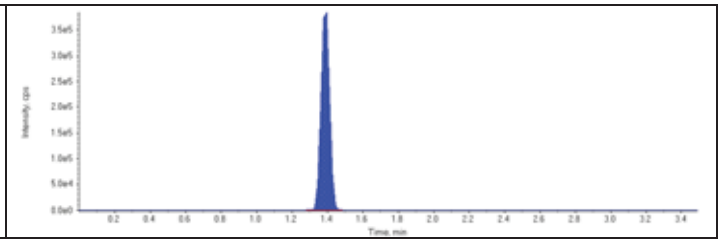
M2 8:2 FTS (Internal Standard)

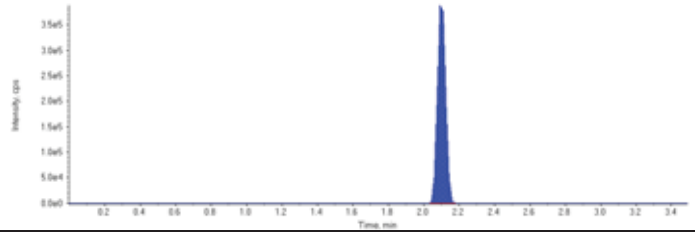
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

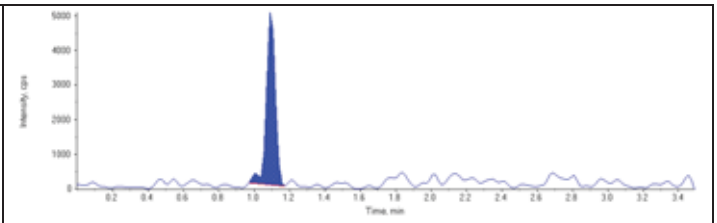
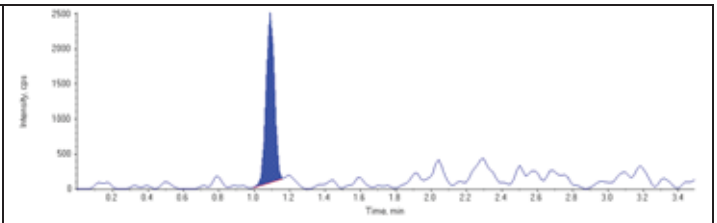
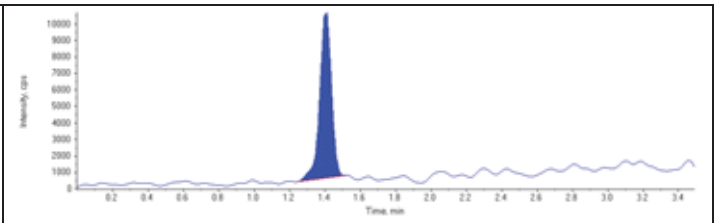
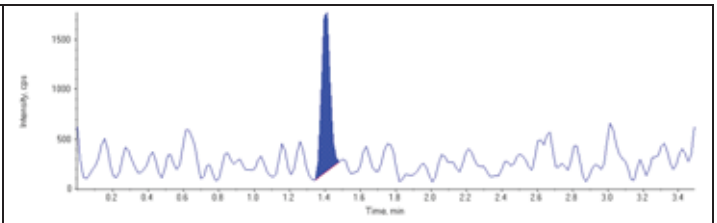
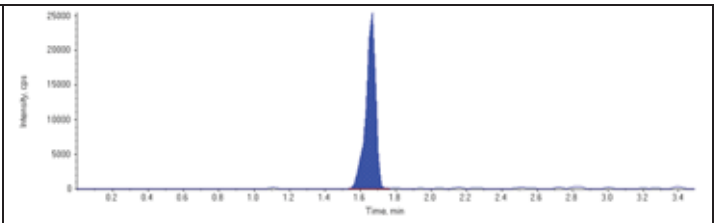
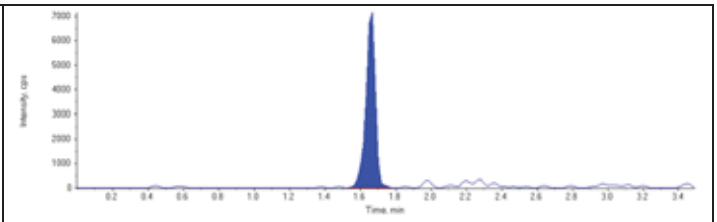


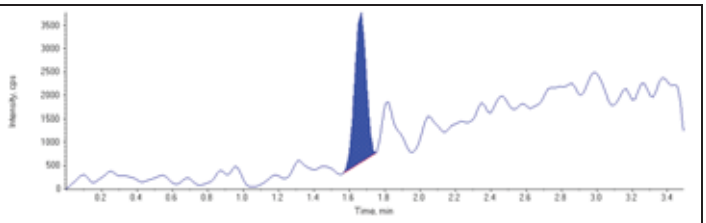
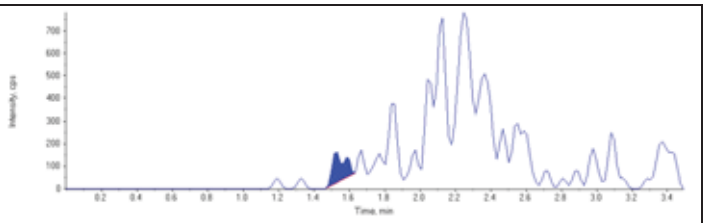
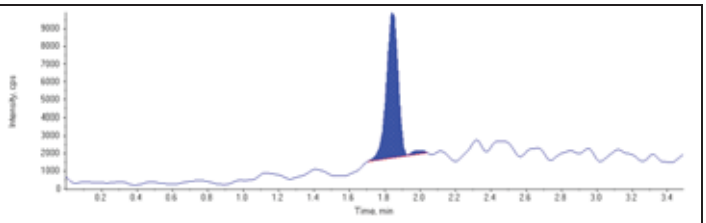
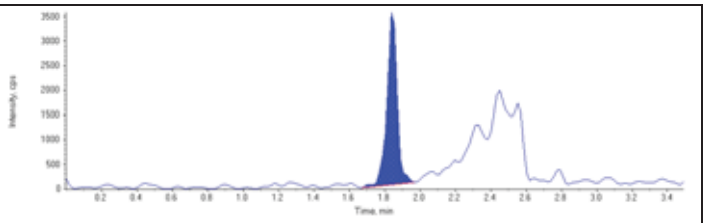
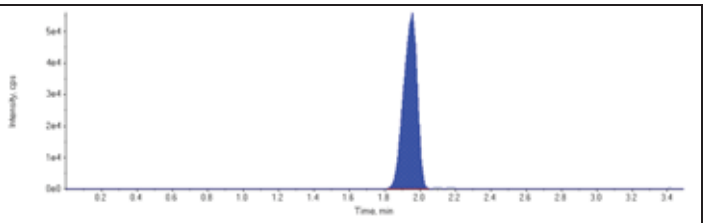
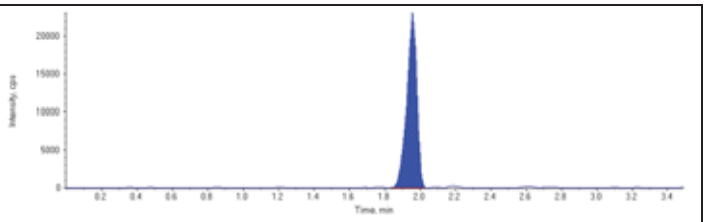
13C6-PFHxA IS (Internal Standard)

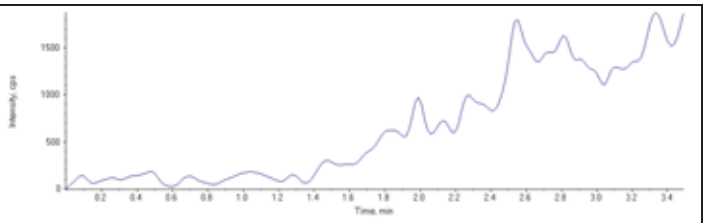
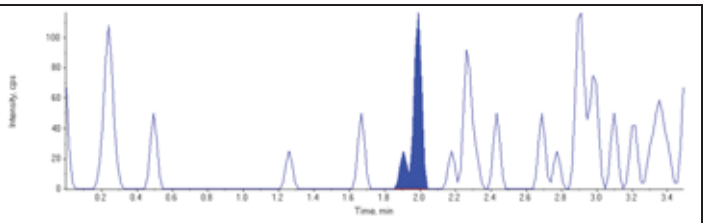
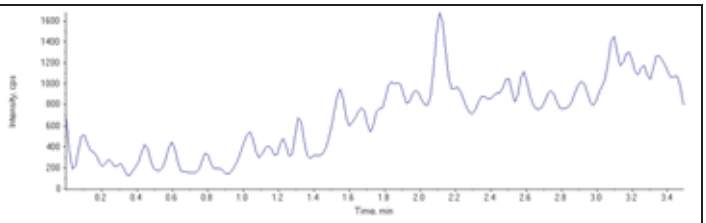
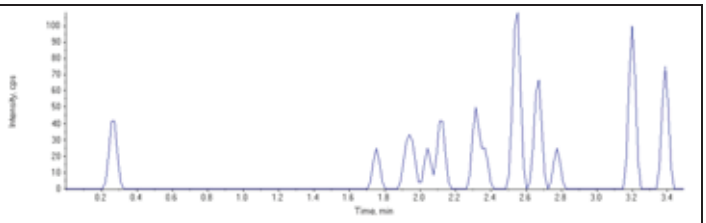
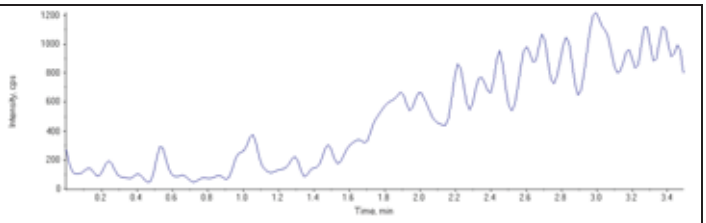
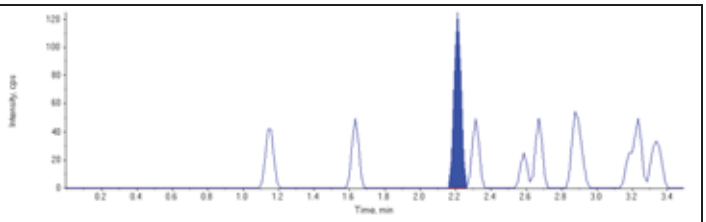
RT (Exp. RT): 1.39(1.40) min
Concentration: 0.0417 ug/L
Sample Type: (Unknown)

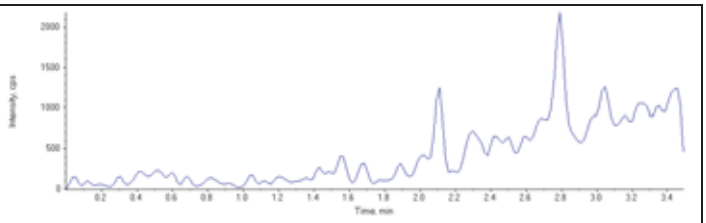
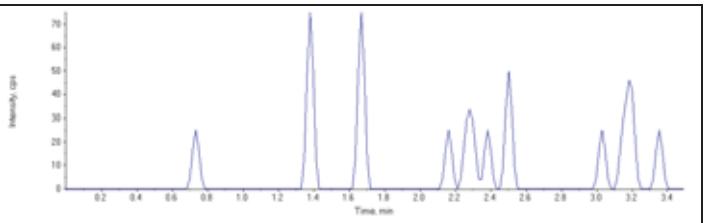
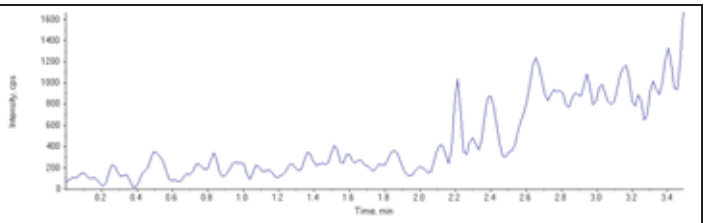
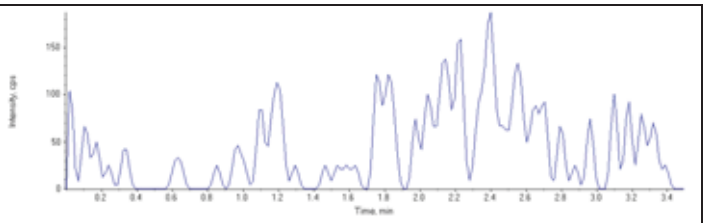
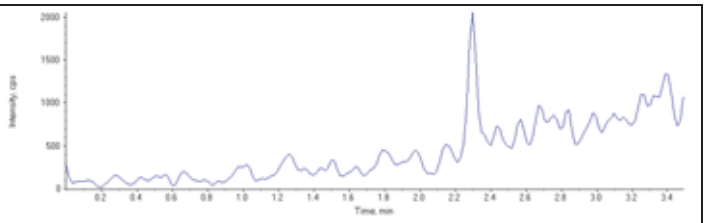
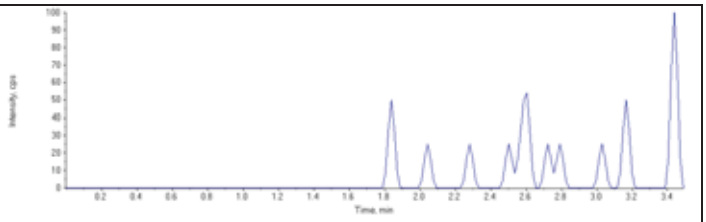


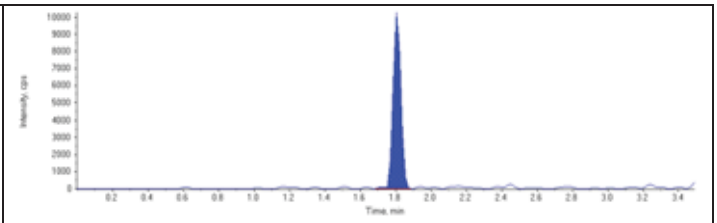
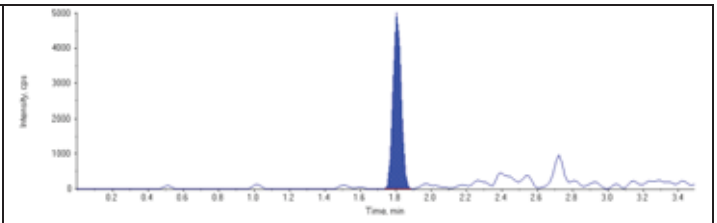
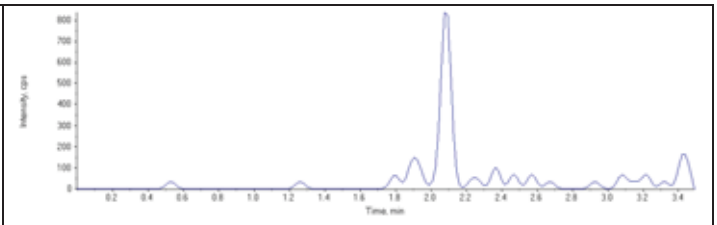
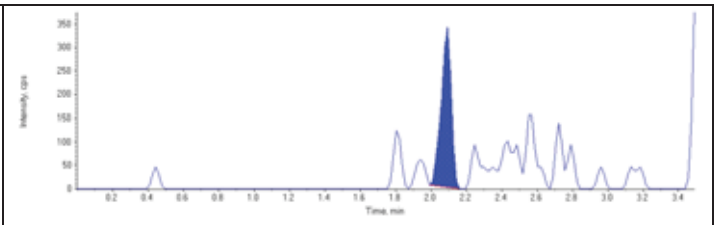
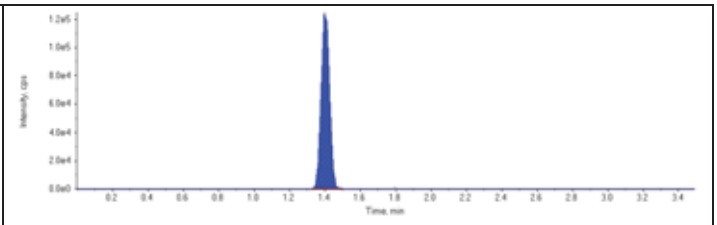
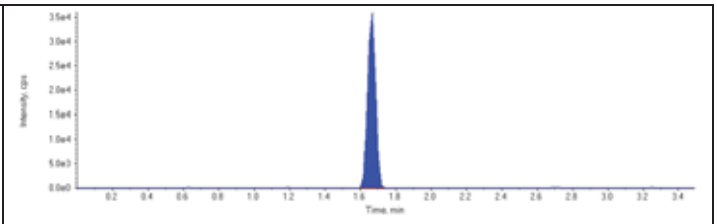
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.0417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

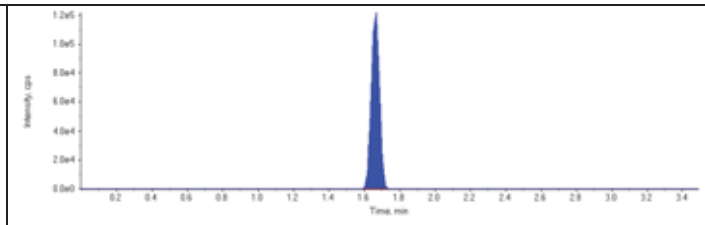
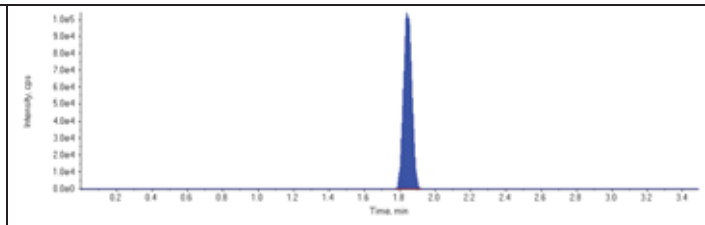
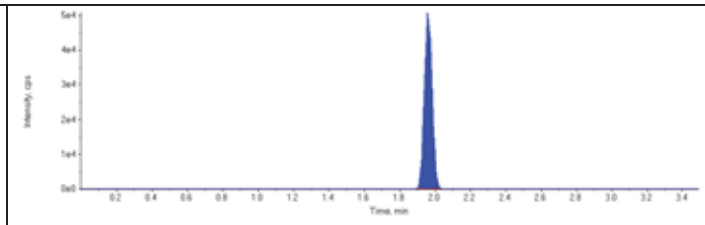
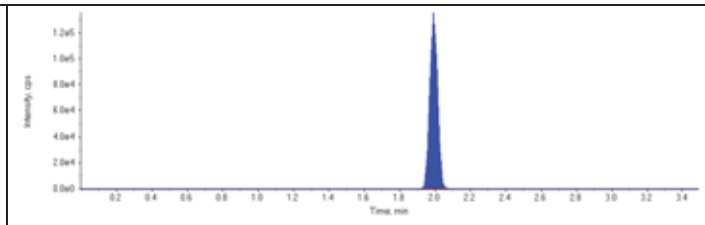
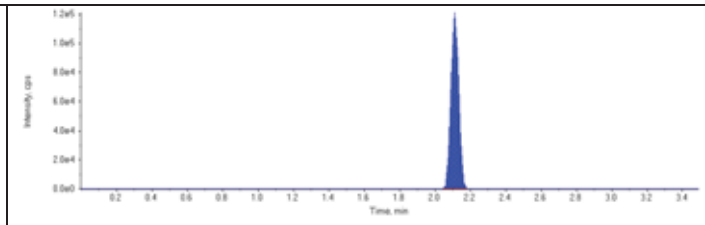
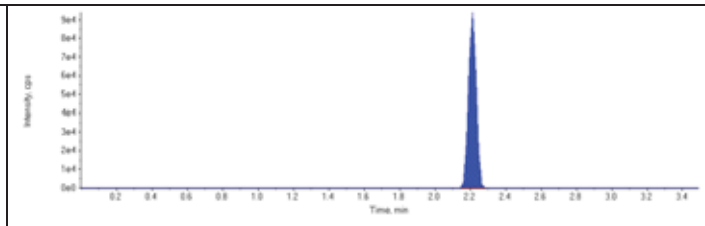
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 8.99 µg/L Area Ratio: 0.156 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 6.86 µg/L Area Ratio: 0.0697 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.41 (1.40) min Calculated Conc: 10.2 µg/L Area Ratio: 0.111 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 14.2 µg/L Area Ratio: 0.0129 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 26.1 µg/L Area Ratio: 0.843 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 25.3 µg/L Area Ratio: 0.237 Sample Type: (Unknown)	

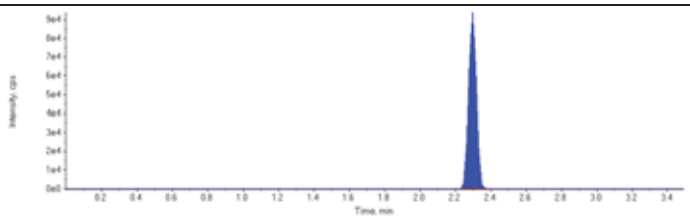
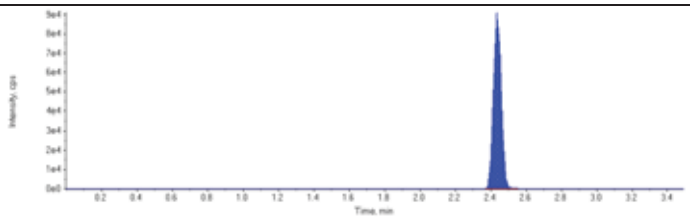
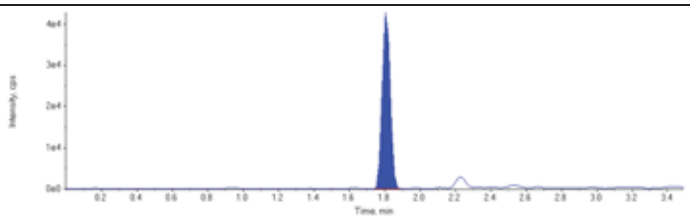
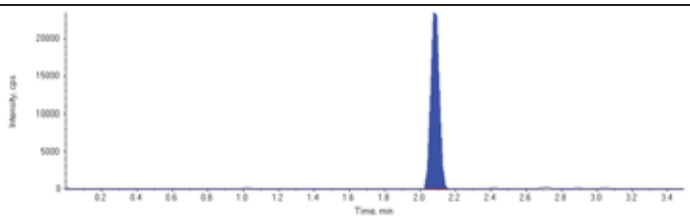
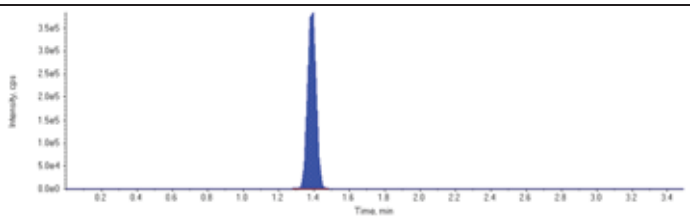
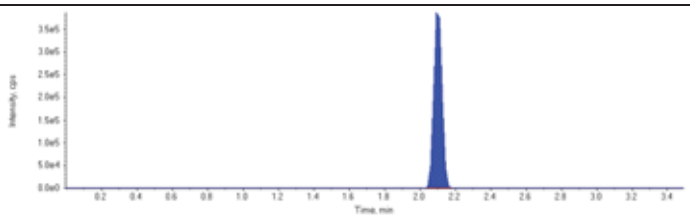
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 3.98 µg/L Area Ratio: 0.0364 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.53 (1.67) min Calculated Conc: 1.35 µg/L Area Ratio: 0.00174 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 10.5 µg/L Area Ratio: 0.110 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 10.7 µg/L Area Ratio: 0.0411 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 100. µg/L Area Ratio: 1.90 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 97.7 µg/L Area Ratio: 0.572 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 1.77 µg/L Area Ratio: 0.00100 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 0.00 (2.11) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 3.51 µg/L Area Ratio: 0.00120 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 0.00 (2.37) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 26.7 µg/L Area Ratio: 0.235 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 18.6 µg/L Area Ratio: 0.119 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 7.17 µg/L Area Ratio: 0.0174 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 98.1 µg/L Area Ratio: 0.315 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 99.2 µg/L Area Ratio: 0.0855 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 90.5 µg/L Area Ratio: 0.299 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 94.5 µg/L Area Ratio: 0.260 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 93.9 µg/L Area Ratio: 0.119 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 105. µg/L Area Ratio: 0.308 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 91.3 µg/L Area Ratio: 0.283 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 95.8 µg/L Area Ratio: 0.220 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 99.5 µg/L Area Ratio: 0.221 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 89.6 µg/L Area Ratio: 0.218 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 84.7 µg/L Area Ratio: 0.101 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 88.9 µg/L Area Ratio: 0.0592 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2490. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2580. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

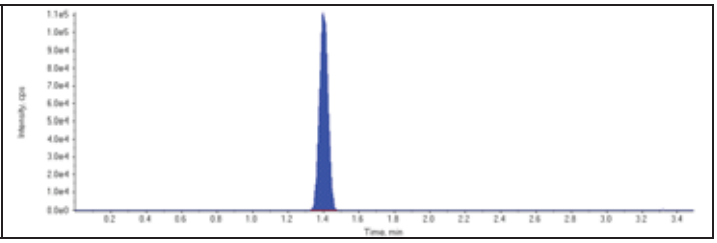
Sample ID	4988945~EJI400-01:D1:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	19
Acquisition Date	2017/05/23 2:50:09 PM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for all, except PFOS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	374000.	1.40	1.00	-
MPFHxS	94600.	1.66	1.00	-
MPFHpA	367000.	1.66	1.00	-
MPFOA	349000.	1.84	1.00	-
MPFOS	144000.	1.96	1.00	-
MPFNA	361000.	1.99	1.00	-
MPFDA	329000.	2.11	1.00	-
MPFUnA	245000.	2.21	1.00	-
MPFDoA	218000.	2.30	1.00	-
MPFTeDA	226000.	2.44	1.00	-
M2 6:2 FTS	122000.	1.81	1.00	-
M2 8:2 FTS	72000.	2.08	1.00	-
13C6-PFHxA IS	1320000.	1.39	0.417	-
13C9-PFDA IS	1160000.	2.10	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	157000	1.09	N/A	3.95	N/A
PFBS 2	71000	1.09	N/A	3.50	N/A
PFHxA 1	506000	1.40	N/A	7.81	N/A
PFHxA 2	25800	1.40	N/A	6.71	N/A
PFHxS 1	934000	1.66	N/A	27.5	N/A
PFHxS 2	304000	1.66	N/A	30.2	N/A
PFHpA 1	148000	1.66	N/A	2.64	N/A
PFHpA 2	5420	1.66	N/A	4.55	N/A
PFOA 1	370000	1.84	N/A	6.06	N/A
PFOA 2	148000	1.84	N/A	6.05	N/A
PFOS 1	3310000	1.95	N/A	118.	N/A
PFOS 2	951000	1.96	N/A	109.	N/A
PFNA 1	16800	1.99	N/A	0.479	N/A
PFNA 2	3930	1.99	N/A	0.427	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1800	2.11	N/A	0.386	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	927	2.25	N/A	0.273	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	256000	1.81	N/A	19.4	N/A
6:2-FTS 2	164000	1.81	N/A	18.2	N/A
8:2-FTS 1	54500	2.08	N/A	4.06	N/A
8:2-FTS 2	20000	2.09	N/A	4.12	N/A
13C2-PFHxA	374000	1.40	N/A	87.9	N/A
18O2-PFHxS	94600	1.66	N/A	82.8	N/A
13C4-PFHpA	367000	1.66	N/A	83.9	N/A
13C4-PFOA	349000	1.84	N/A	95.7	N/A
13C4-PFOS	144000	1.96	N/A	85.6	N/A
13C5-PFNA	361000	1.99	N/A	93.0	N/A
13C2-PFDA	329000	2.11	N/A	91.3	N/A
13C2-PFUnA	245000	2.21	N/A	91.3	N/A
13C2-PFDoA	218000	2.30	N/A	84.2	N/A
13C2-PFTeDA	226000	2.44	N/A	79.5	N/A
13C2-6:2-FTS	122000	1.81	N/A	77.2	N/A
13C2-8:2 FTS	72000	2.08	N/A	81.6	N/A
13C6-PFHxA	1320000	1.39	N/A	249.	N/A
13C9-PFDA	1160000	2.10	N/A	233.	N/A

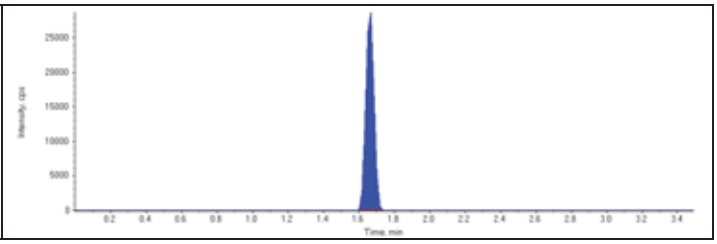
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



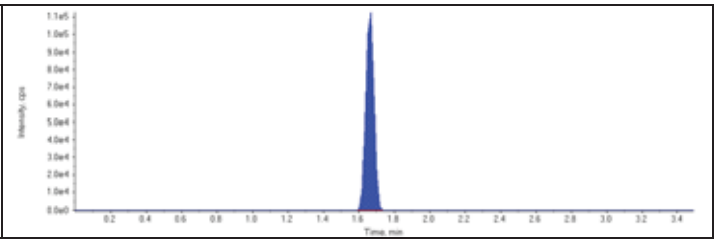
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



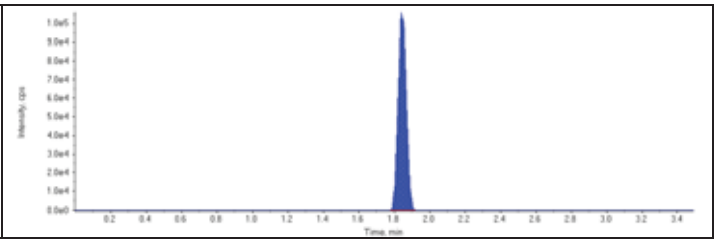
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



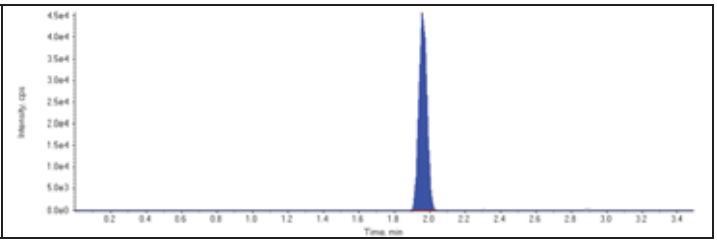
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



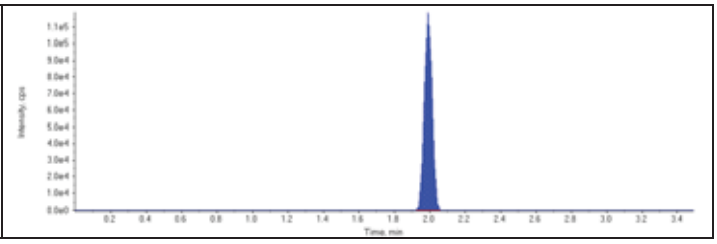
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



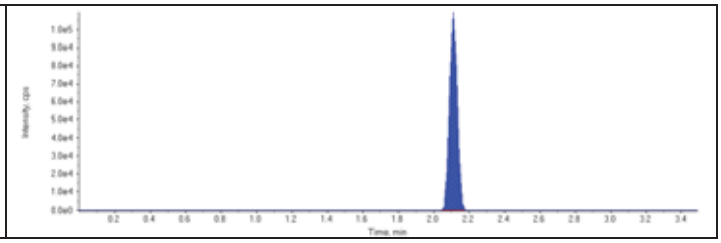
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



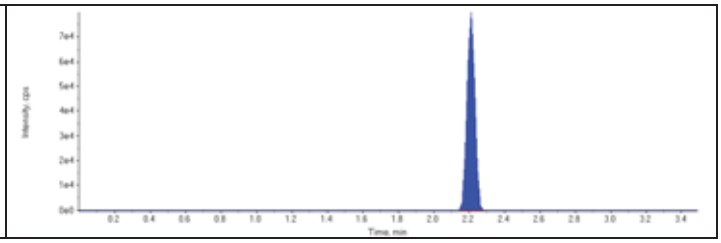
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



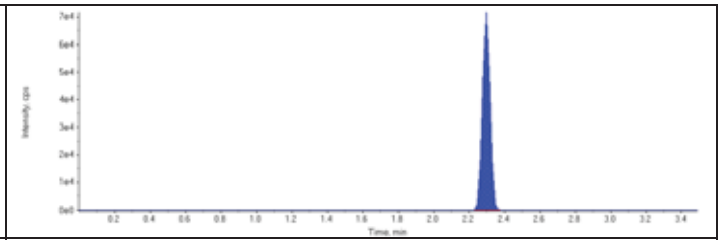
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



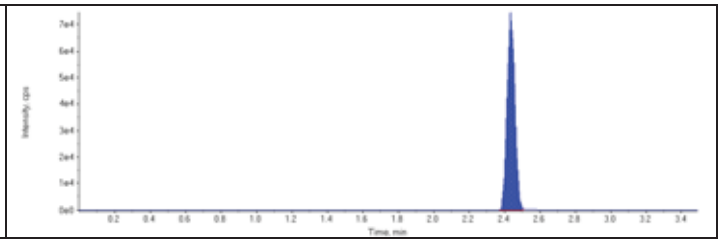
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



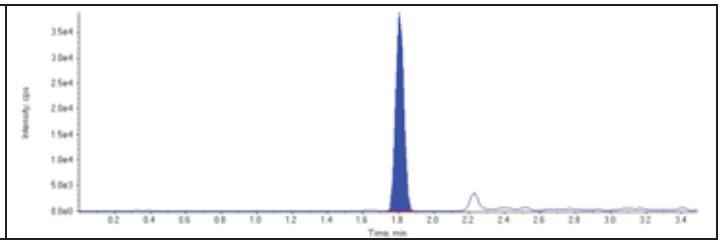
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



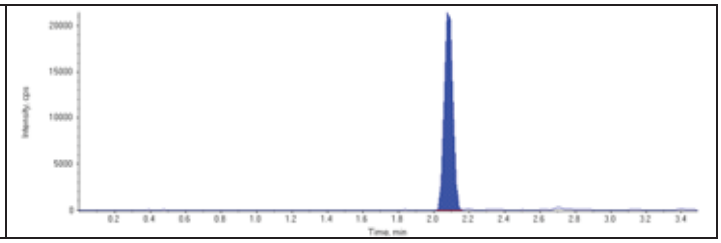
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



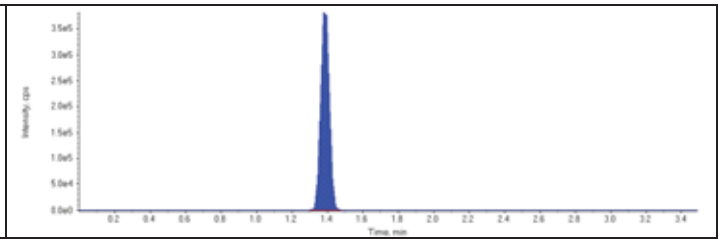
M2 8:2 FTS (Internal Standard)

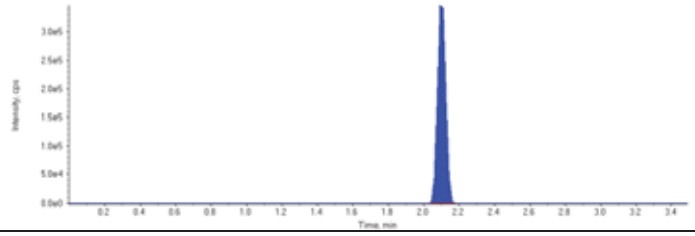
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

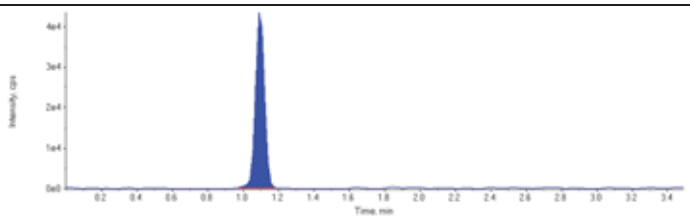
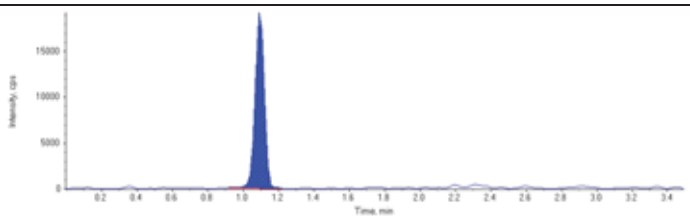
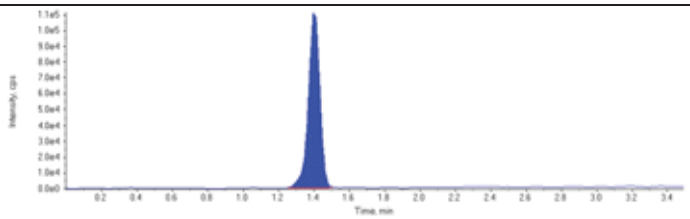
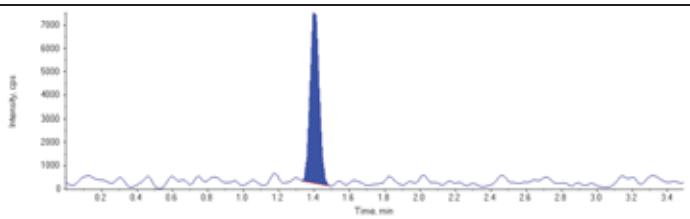
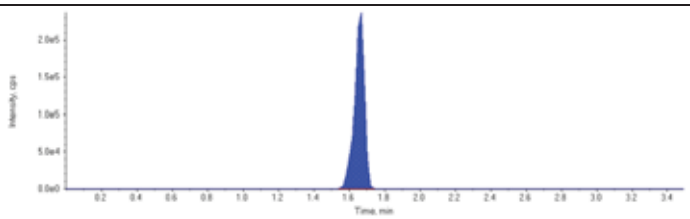
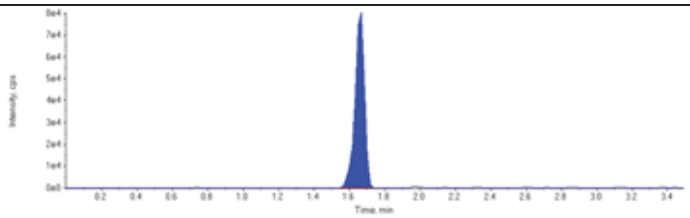


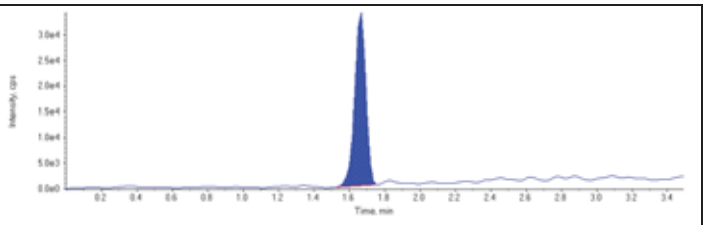
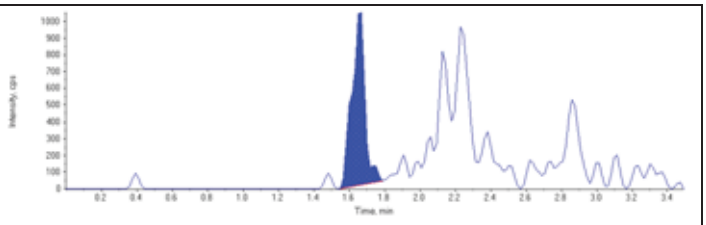
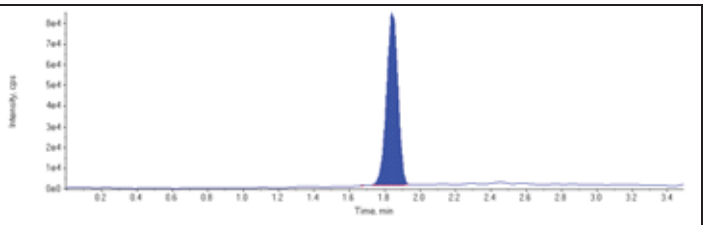
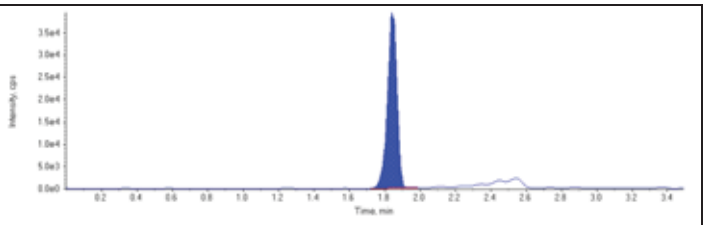
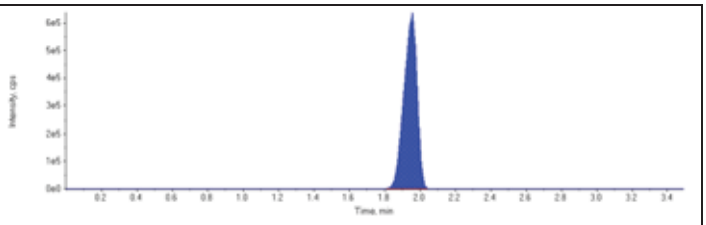
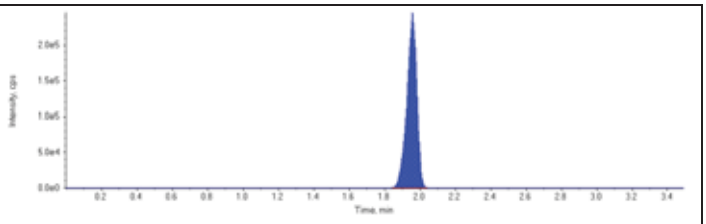
13C6-PFHxA IS (Internal Standard)

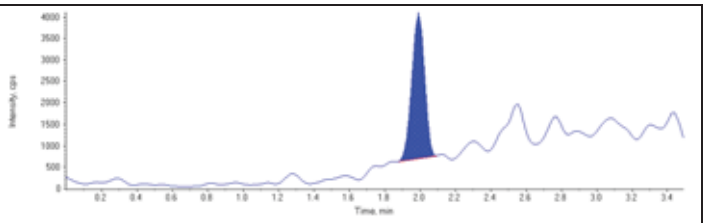
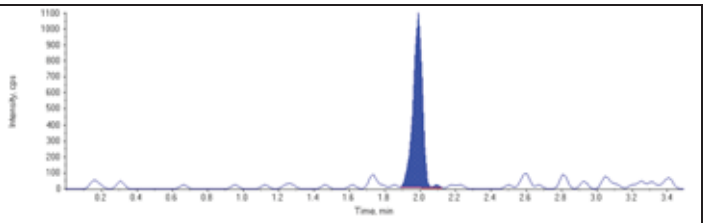
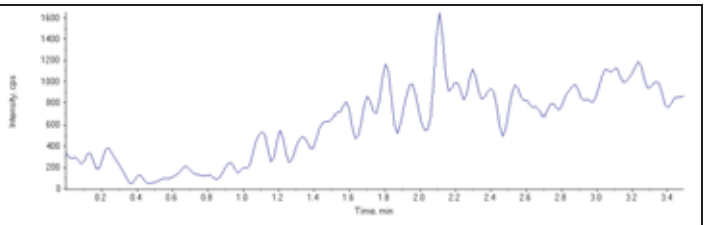
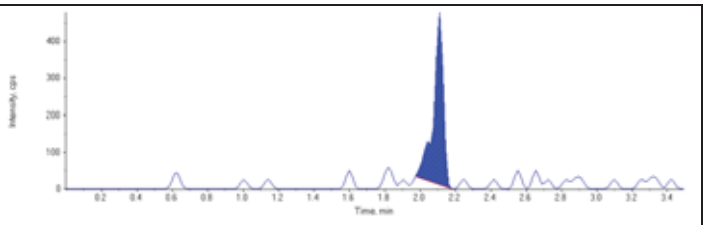
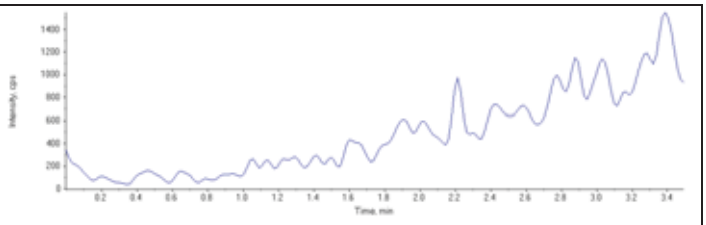
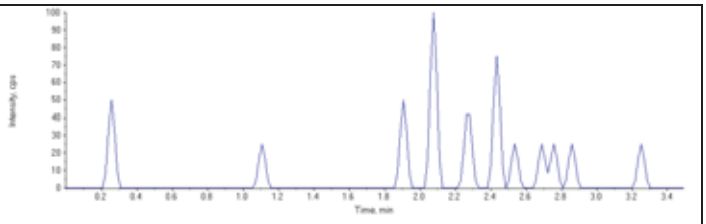
RT (Exp. RT): 1.39(1.40) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

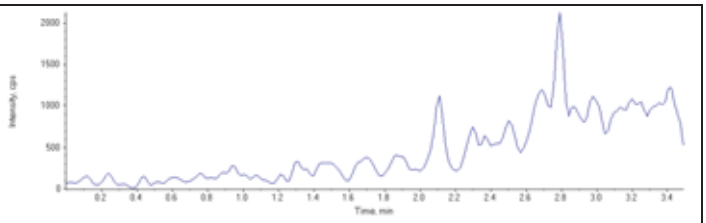
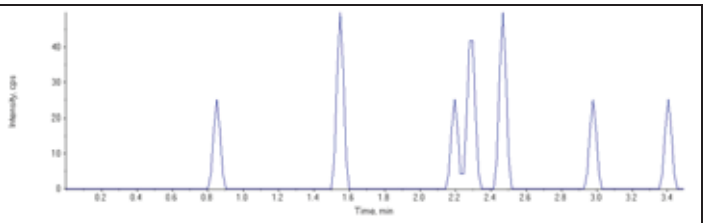
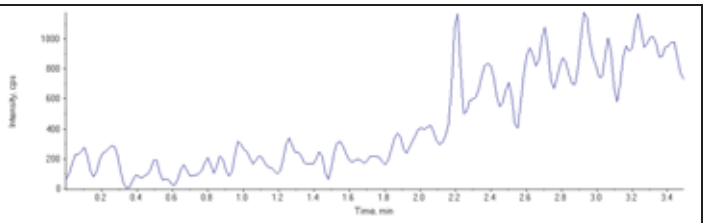
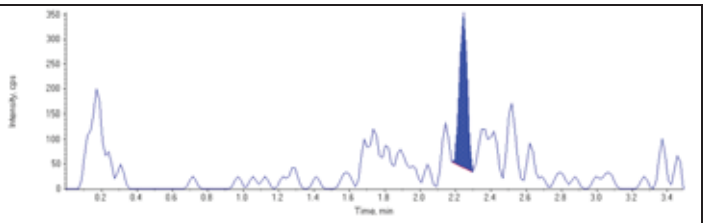
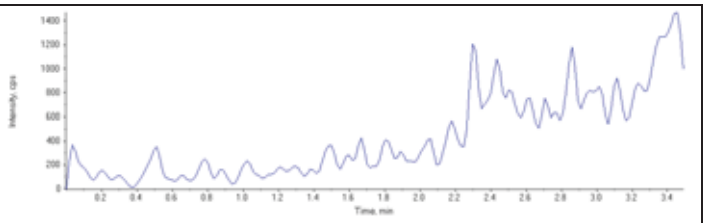
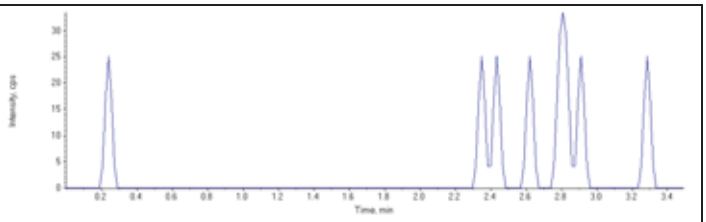


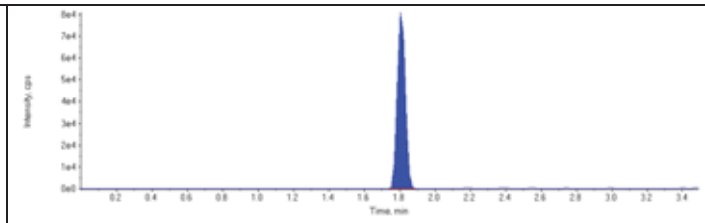
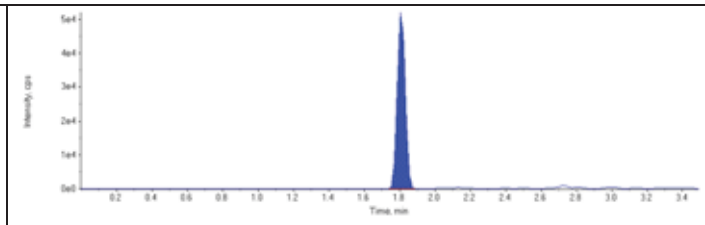
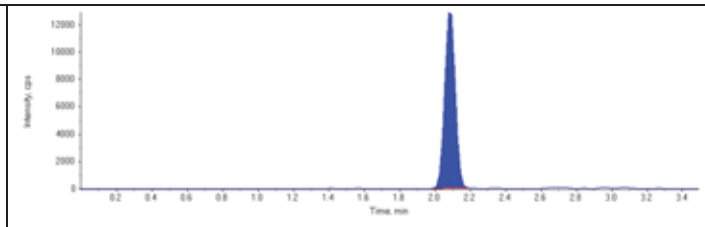
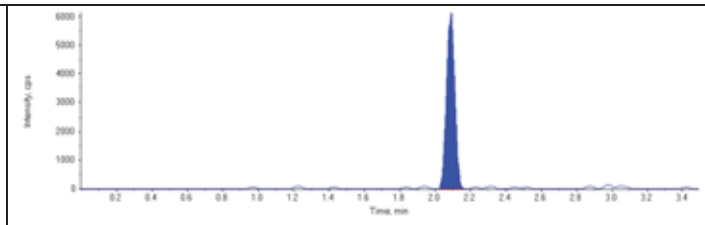
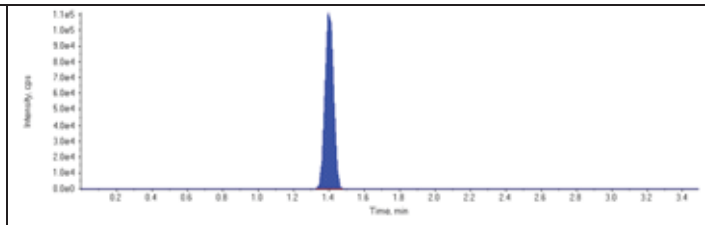
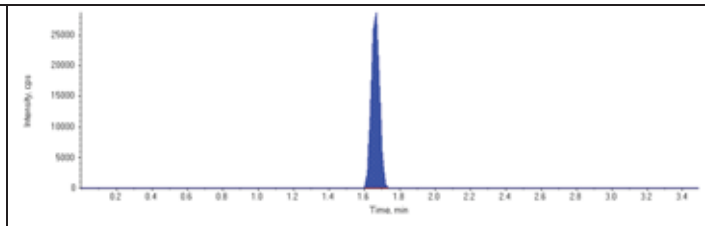
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

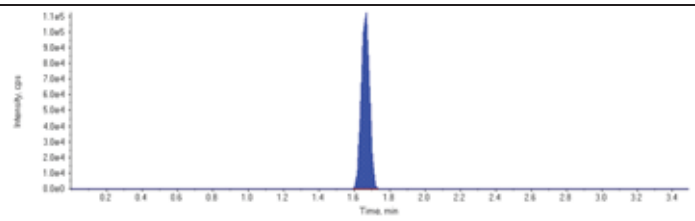
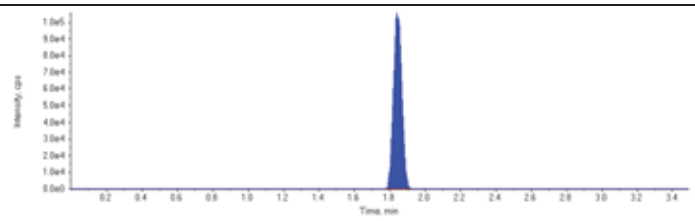
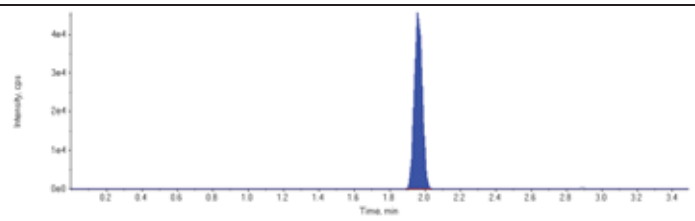
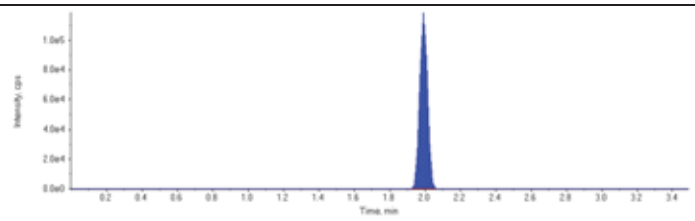
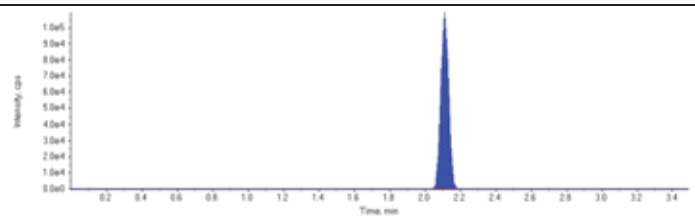
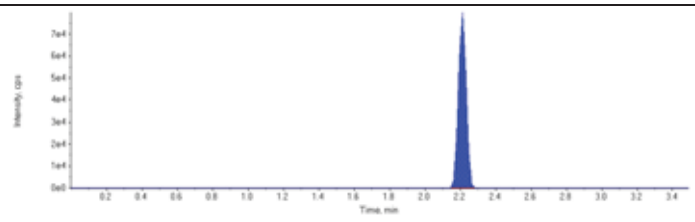
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 3.95 µg/L Area Ratio: 1.65 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 3.50 µg/L Area Ratio: 0.750 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 7.81 µg/L Area Ratio: 1.35 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 6.71 µg/L Area Ratio: 0.0689 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 27.5 µg/L Area Ratio: 9.88 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 30.2 µg/L Area Ratio: 3.21 Sample Type: (Unknown)	

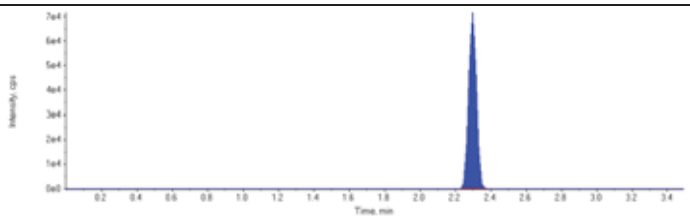
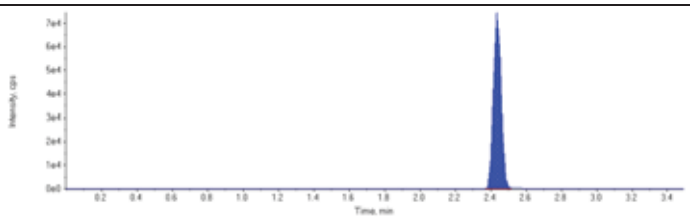
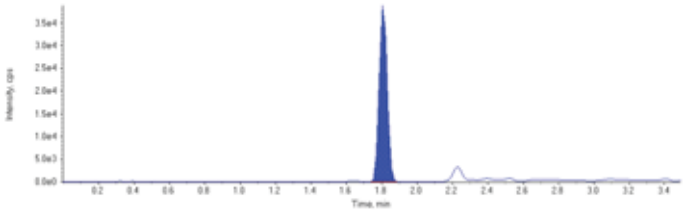
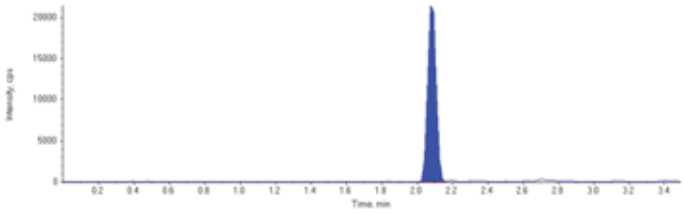
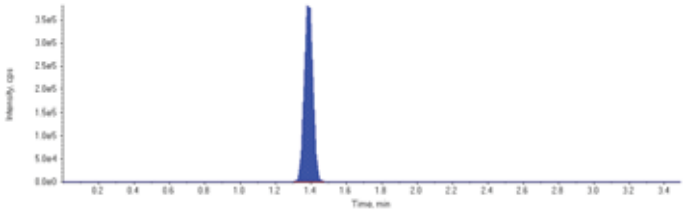
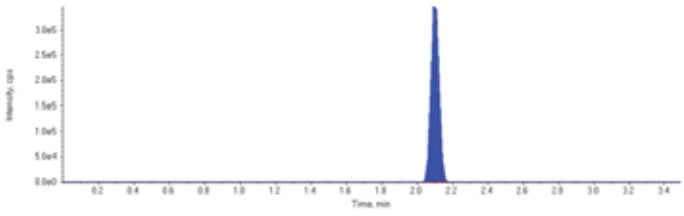
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.64 µg/L Area Ratio: 0.403 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 4.55 µg/L Area Ratio: 0.0148 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 6.06 µg/L Area Ratio: 1.06 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 6.05 µg/L Area Ratio: 0.425 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 118. µg/L Area Ratio: 23.0 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 109. µg/L Area Ratio: 6.61 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.479 µg/L Area Ratio: 0.0465 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.427 µg/L Area Ratio: 0.0109 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.386 µg/L Area Ratio: 0.00547 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.25 (2.37) min Calculated Conc: 0.273 µg/L Area Ratio: 0.00411 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 19.4 µg/L Area Ratio: 2.10 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 18.2 µg/L Area Ratio: 1.35 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.08 (2.16) min Calculated Conc: 4.06 µg/L Area Ratio: 0.757 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 4.12 µg/L Area Ratio: 0.278 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 87.9 µg/L Area Ratio: 0.283 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 82.8 µg/L Area Ratio: 0.0714 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 83.9 µg/L Area Ratio: 0.277 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 95.7 µg/L Area Ratio: 0.263 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 85.6 µg/L Area Ratio: 0.109 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 93.0 µg/L Area Ratio: 0.272 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 91.3 µg/L Area Ratio: 0.283 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 91.3 µg/L Area Ratio: 0.210 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 84.2 µg/L Area Ratio: 0.187 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 79.5 µg/L Area Ratio: 0.194 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 77.2 µg/L Area Ratio: 0.0921 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 81.6 µg/L Area Ratio: 0.0543 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 249. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 233. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

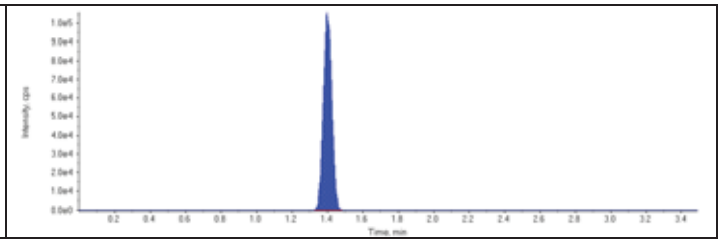
Sample ID	4988945~EJI403-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	20
Acquisition Date	2017/05/23 2:55:13 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reinjected to check for carryover		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	353000.	1.40	1.00	-
MPFHxS	92900.	1.66	1.00	-
MPFHpA	376000.	1.66	1.00	-
MPFOA	341000.	1.84	1.00	-
MPFOS	130000.	1.96	1.00	-
MPFNA	326000.	1.99	1.00	-
MPFDA	322000.	2.11	1.00	-
MPFUnA	231000.	2.21	1.00	-
MPFDoA	230000.	2.30	1.00	-
MPFTeDA	209000.	2.44	1.00	-
M2 6:2 FTS	124000.	1.81	1.00	-
M2 8:2 FTS	86700.	2.08	1.00	-
13C6-PFHxA IS	1150000.	1.39	41.7	-
13C9-PFDA IS	1260000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	905	0.996	N/A	0.00438	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	2500	1.50	N/A	0.00869	N/A
PFHxS 1	3650	1.67	N/A	0.00403	N/A
PFHxS 2	2550	1.66	N/A	0.00587	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	2290	1.85	N/A	0.00629	N/A
PFOS 1	7740	1.96	N/A	0.00570	N/A
PFOS 2	2550	1.96	N/A	0.00664	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	404	2.11	N/A	0.00260	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	3450	1.81	N/A	0.00805	N/A
6:2-FTS 2	4060	1.81	N/A	0.00717	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	1090	2.08	N/A	0.00654	N/A
13C2-PFHxA	353000	1.40	N/A	95.6	N/A
18O2-PFHxS	92900	1.66	N/A	93.8	N/A
13C4-PFHpA	376000	1.66	N/A	98.9	N/A
13C4-PFOA	341000	1.84	N/A	108.	N/A
13C4-PFOS	130000	1.96	N/A	89.1	N/A
13C5-PFNA	326000	1.99	N/A	96.7	N/A
13C2-PFDA	322000	2.11	N/A	82.3	N/A
13C2-PFUnA	231000	2.21	N/A	79.5	N/A
13C2-PFDoA	230000	2.30	N/A	81.8	N/A
13C2-PFTeDA	209000	2.44	N/A	67.9	N/A
13C2-6:2-FTS	124000	1.81	N/A	90.8	N/A
13C2-8:2 FTS	86700	2.08	N/A	113.	N/A
13C6-PFHxA	1150000	1.39	N/A	2.16	N/A
13C9-PFDA	1260000	2.10	N/A	2.53	N/A

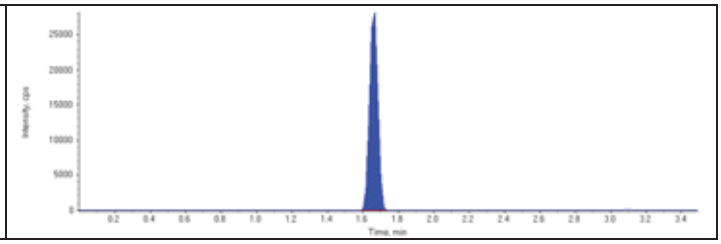
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



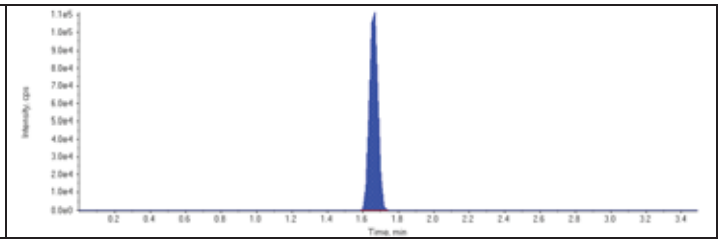
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



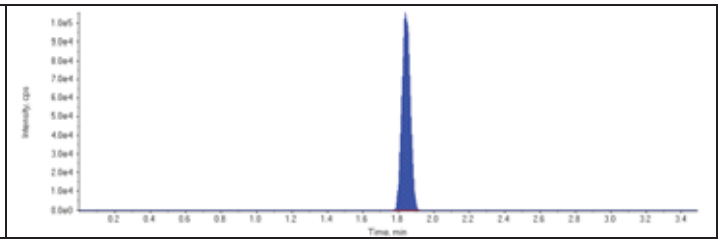
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



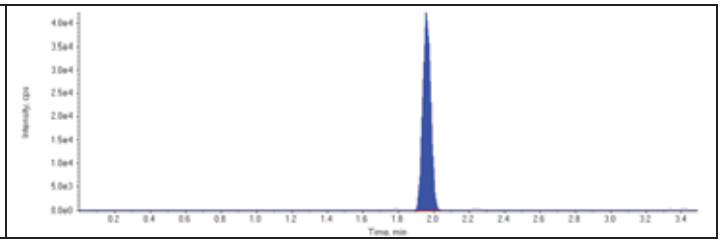
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



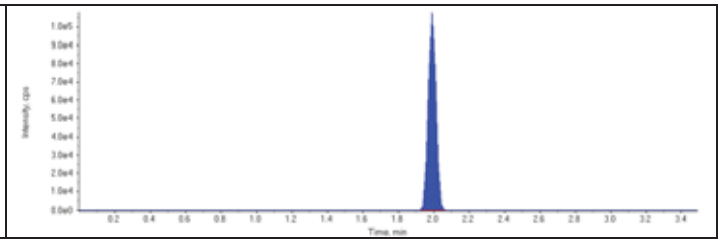
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



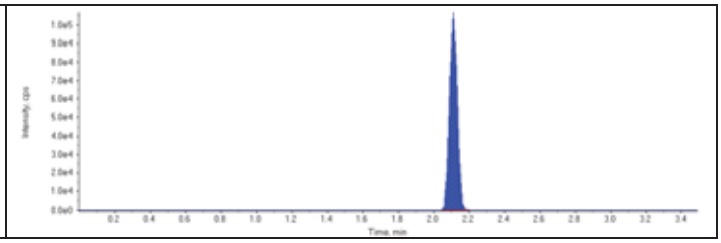
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



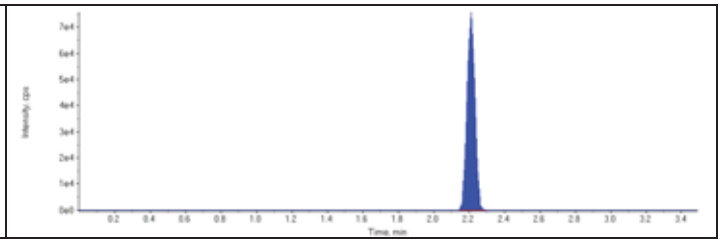
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



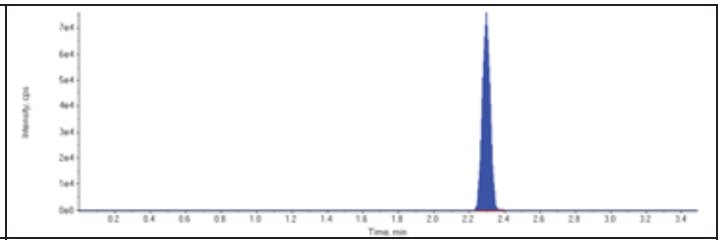
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



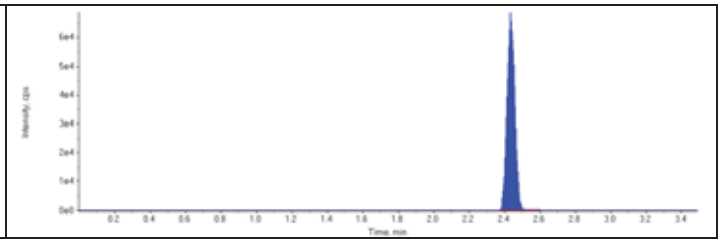
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



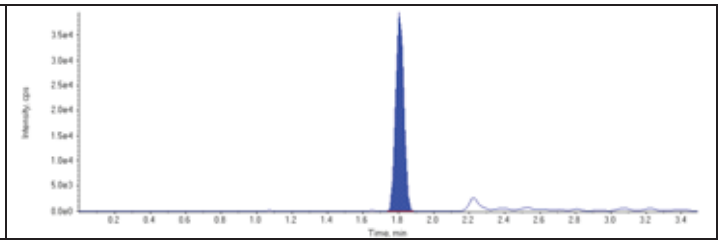
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



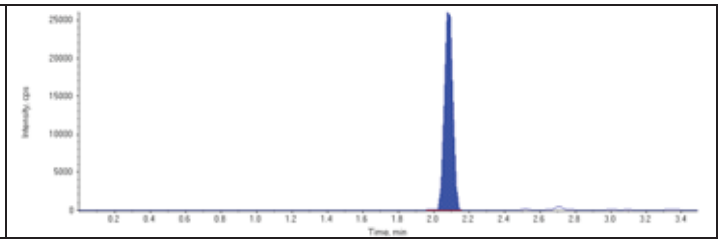
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



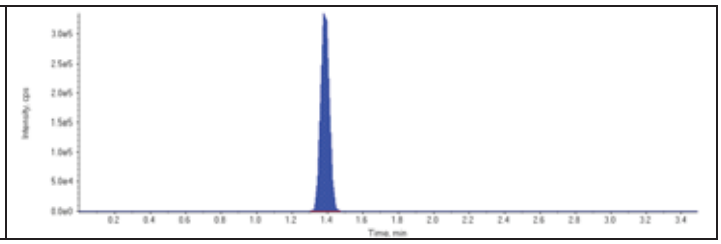
M2 8:2 FTS (Internal Standard)

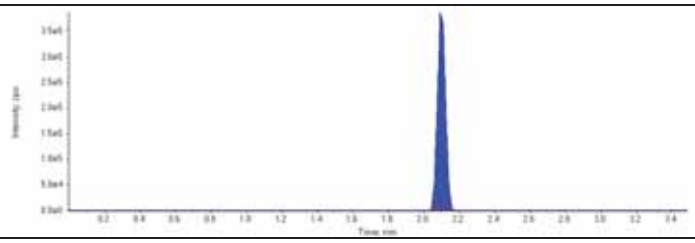
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

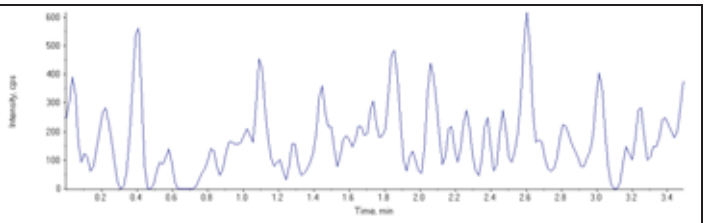
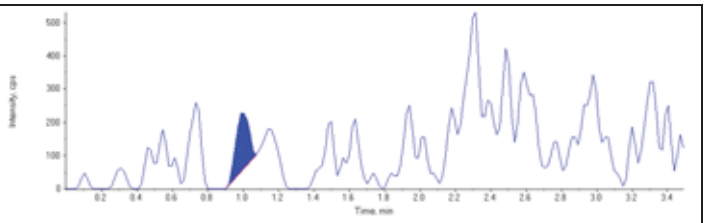
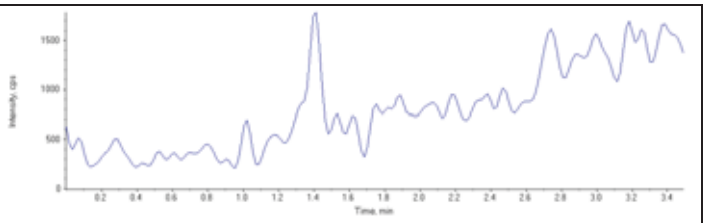
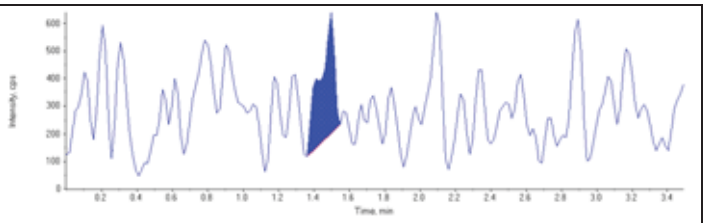
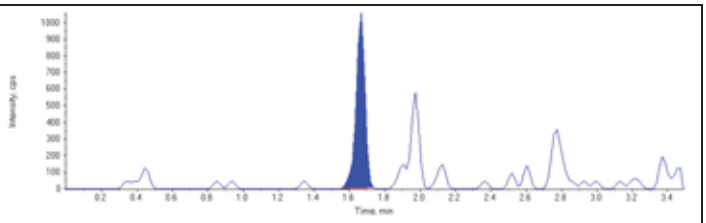
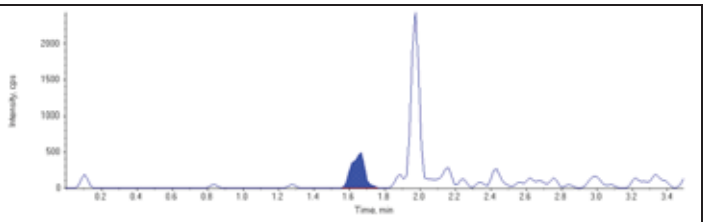


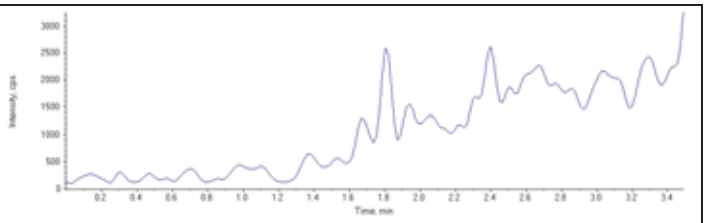
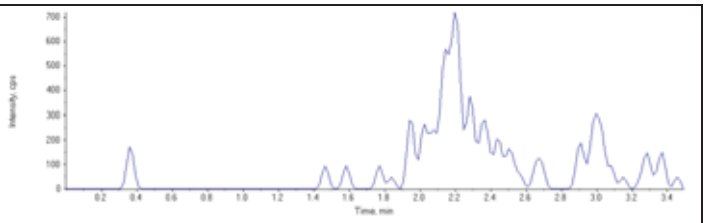
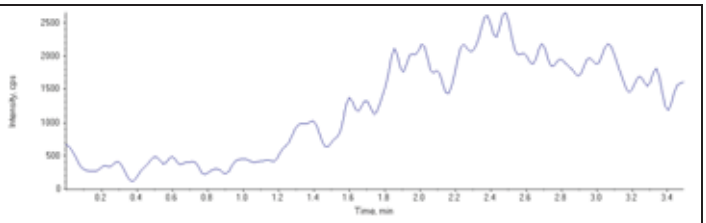
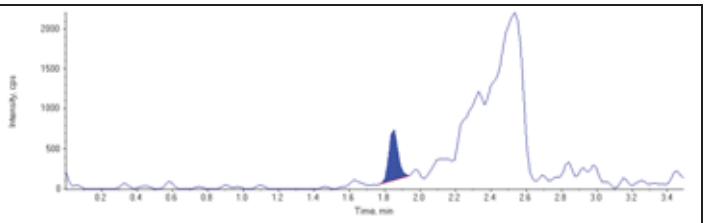
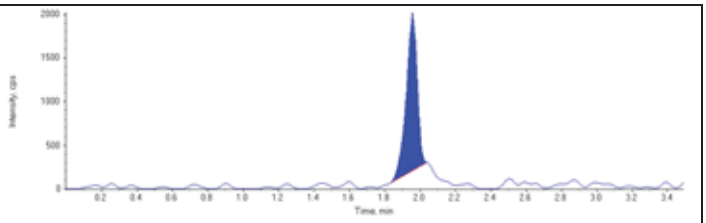
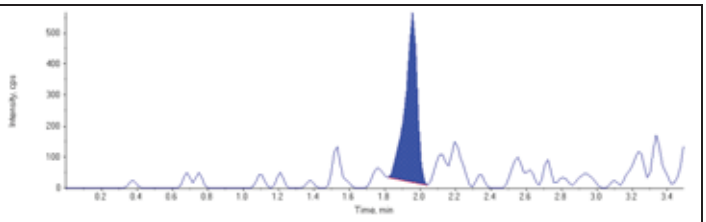
13C6-PFHxA IS (Internal Standard)

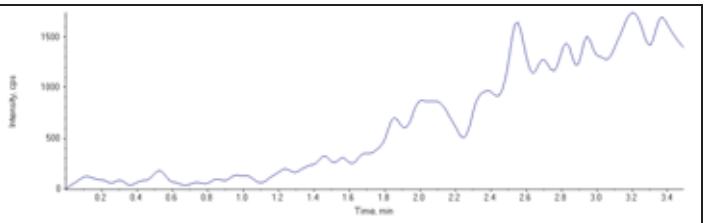
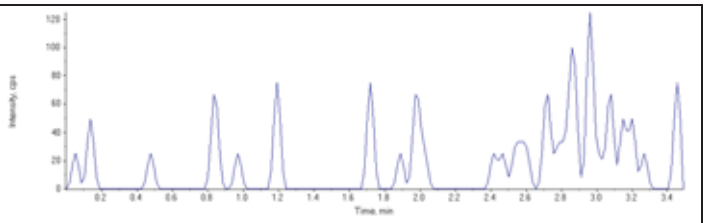
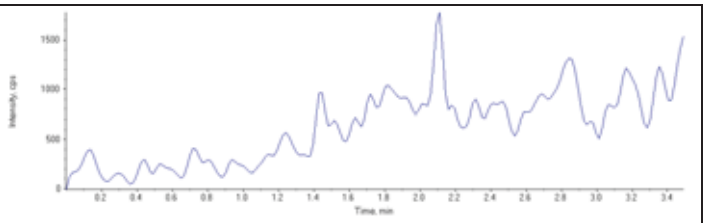
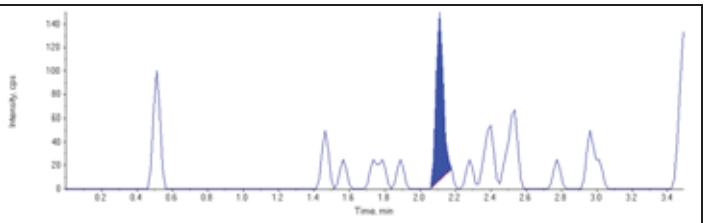
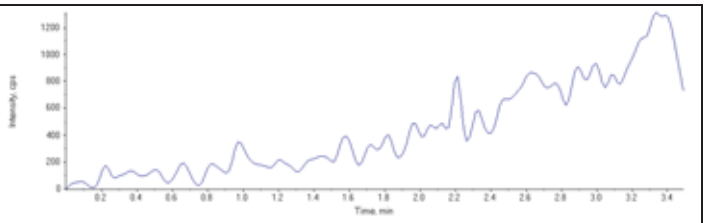
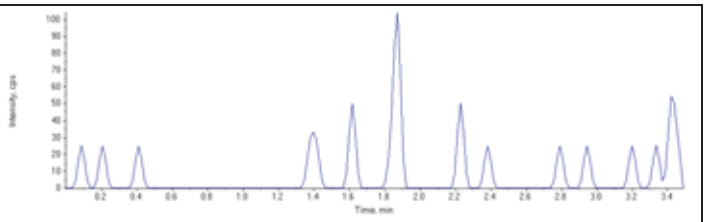
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

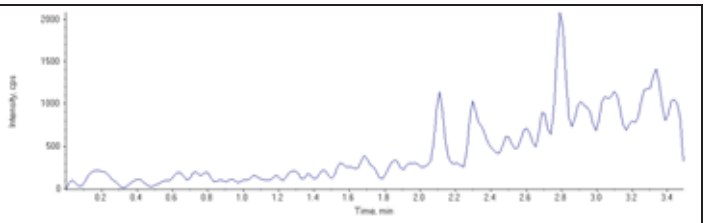
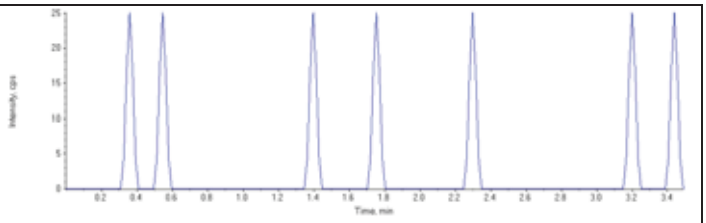
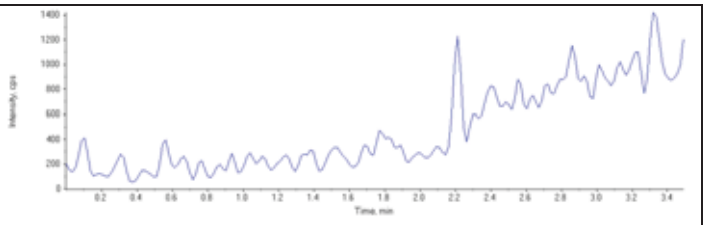
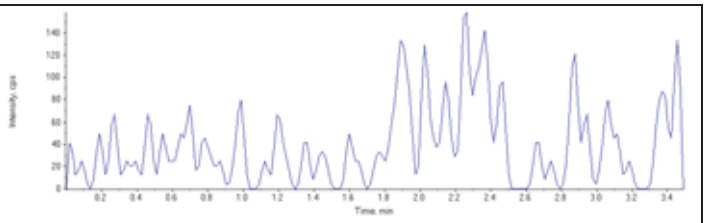
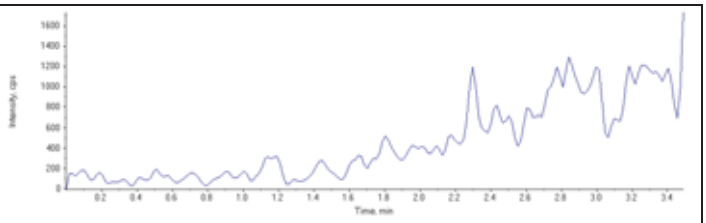
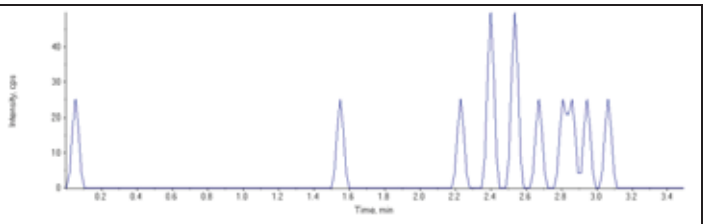


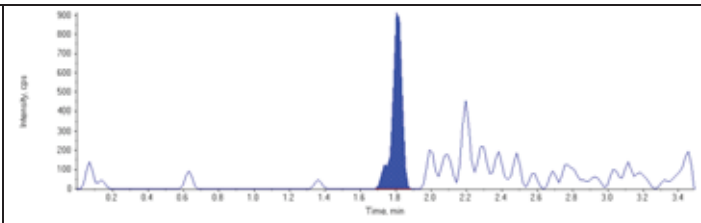
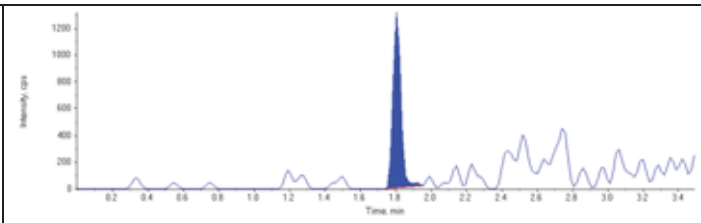
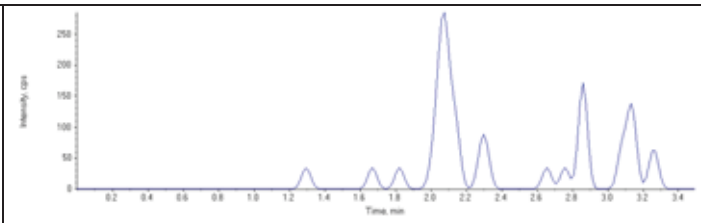
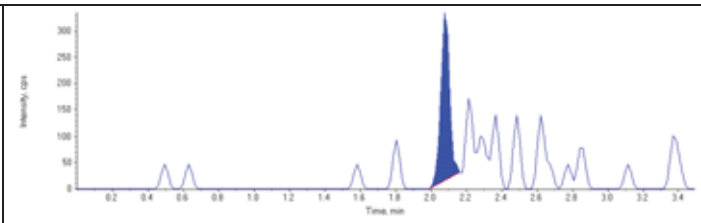
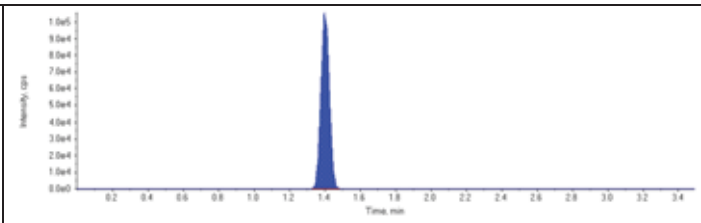
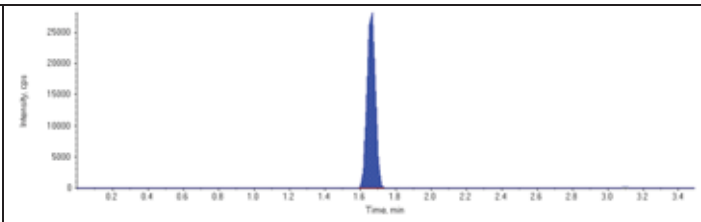
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

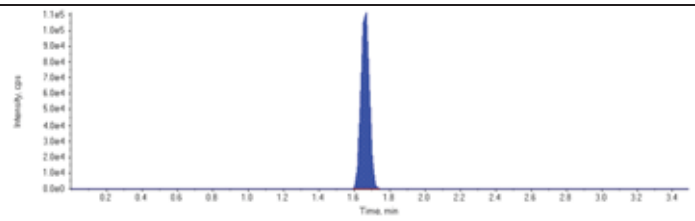
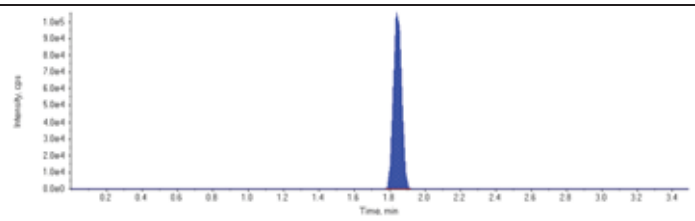
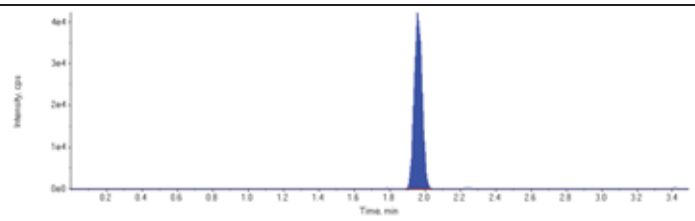
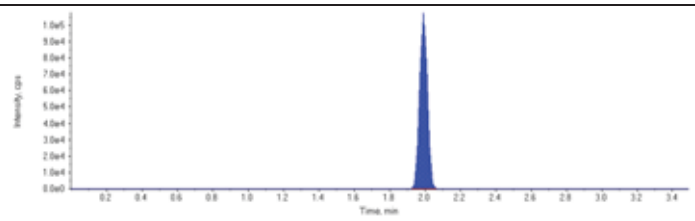
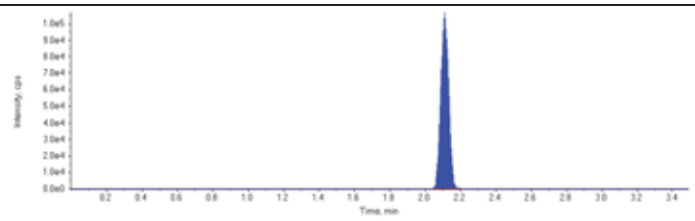
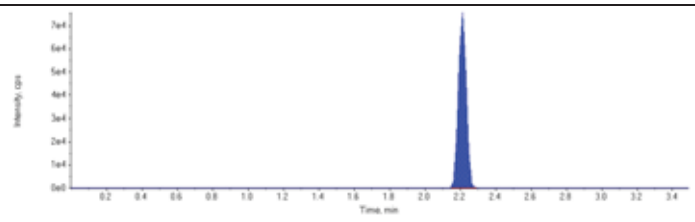
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 0.996 (1.09) min Calculated Conc: 0.00438 µg/L Area Ratio: 0.00974 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.50 (1.41) min Calculated Conc: 0.00869 µg/L Area Ratio: 0.00709 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 0.00403 µg/L Area Ratio: 0.0393 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.00587 µg/L Area Ratio: 0.0275 Sample Type: (Unknown)	

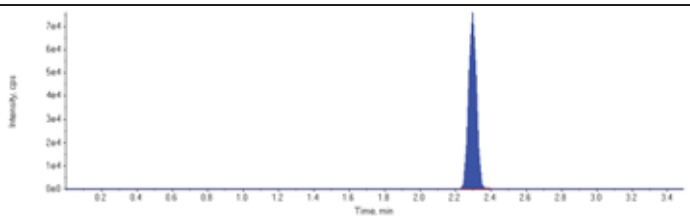
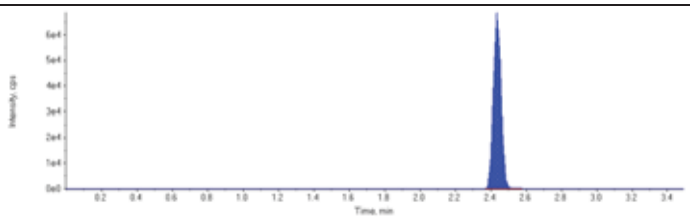
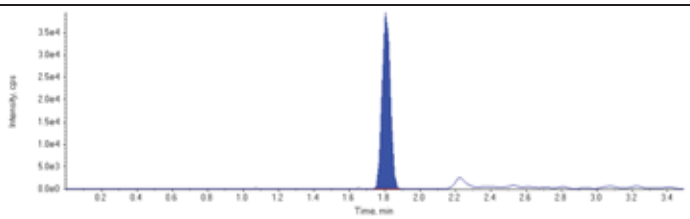
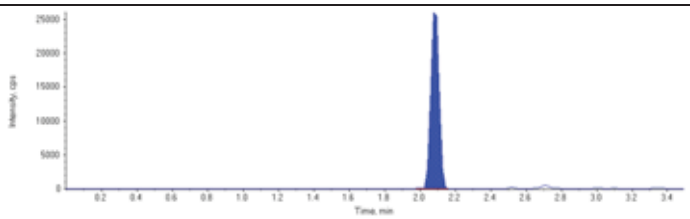
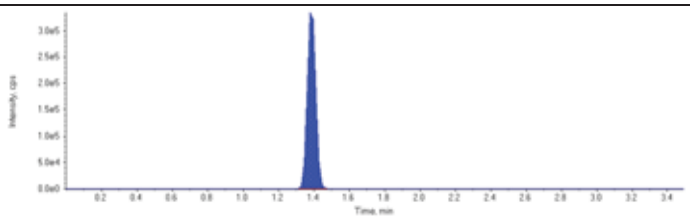
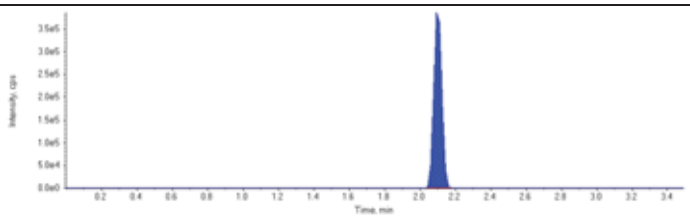
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 0.00629 µg/L Area Ratio: 0.00671 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.00570 µg/L Area Ratio: 0.0596 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.00664 µg/L Area Ratio: 0.0196 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.00260 µg/L Area Ratio: 0.00126 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 0.00 (2.37) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 0.00805 µg/L Area Ratio: 0.0277 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 0.00717 µg/L Area Ratio: 0.0326 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 0.00654 µg/L Area Ratio: 0.0126 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 95.6 µg/L Area Ratio: 0.307 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 93.8 µg/L Area Ratio: 0.0809 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 98.9 µg/L Area Ratio: 0.327 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 108. µg/L Area Ratio: 0.297 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 89.1 µg/L Area Ratio: 0.113 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 96.7 µg/L Area Ratio: 0.283 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 82.3 µg/L Area Ratio: 0.255 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 79.5 µg/L Area Ratio: 0.183 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 81.8 µg/L Area Ratio: 0.182 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 67.9 µg/L Area Ratio: 0.165 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 90.8 µg/L Area Ratio: 0.108 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 113. µg/L Area Ratio: 0.0754 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.16 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.53 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

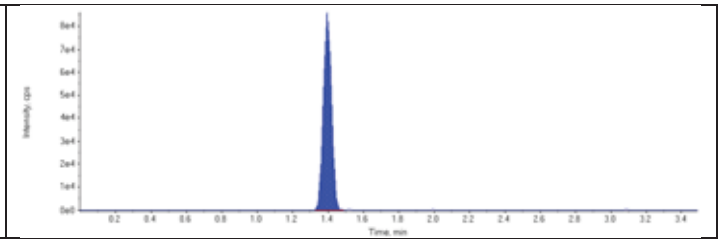
Sample ID	4988945~EJI403-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	20
Acquisition Date	2017/05/24 8:25:31 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reinjection		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	273000.	1.40	1.00	-
MPFHxS	82300.	1.66	1.00	-
MPFHpA	309000.	1.66	1.00	-
MPFOA	254000.	1.84	1.00	-
MPFOS	108000.	1.96	1.00	-
MPFNA	267000.	1.99	1.00	-
MPFDA	235000.	2.11	1.00	-
MPFUnA	195000.	2.21	1.00	-
MPFDoA	169000.	2.29	1.00	-
MPFTeDA	170000.	2.43	1.00	-
M2 6:2 FTS	108000.	1.81	1.00	-
M2 8:2 FTS	68400.	2.08	1.00	-
13C6-PFHxA IS	924000.	1.38	41.7	-
13C9-PFDA IS	945000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	909	1.10	N/A	0.00444	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	842	1.32	N/A	0.00490	N/A
PFHxS 1	3790	1.66	N/A	0.00421	N/A
PFHxS 2	893	1.65	N/A	0.00433	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	391	1.90	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1050	1.84	N/A	0.00596	N/A
PFOS 1	8130	1.95	N/A	0.00651	N/A
PFOS 2	2580	1.96	N/A	0.00735	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	408	2.11	N/A	0.00274	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	382	2.25	N/A	0.00175	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	2570	1.81	N/A	0.00770	N/A
6:2-FTS 2	2270	1.81	N/A	0.00562	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	638	2.08	N/A	0.00612	N/A
13C2-PFHxA	273000	1.40	N/A	91.9	N/A
18O2-PFHxS	82300	1.66	N/A	103.	N/A
13C4-PFHpA	309000	1.66	N/A	101.	N/A
13C4-PFOA	254000	1.84	N/A	100.	N/A
13C4-PFOS	108000	1.96	N/A	91.9	N/A
13C5-PFNA	267000	1.99	N/A	98.7	N/A
13C2-PFDA	235000	2.11	N/A	80.2	N/A
13C2-PFUnA	195000	2.21	N/A	89.7	N/A
13C2-PFDoA	169000	2.29	N/A	80.3	N/A
13C2-PFTeDA	170000	2.43	N/A	73.6	N/A
13C2-6:2-FTS	108000	1.81	N/A	97.9	N/A
13C2-8:2 FTS	68400	2.08	N/A	111.	N/A
13C6-PFHxA	924000	1.38	N/A	1.73	N/A
13C9-PFDA	945000	2.10	N/A	1.89	N/A

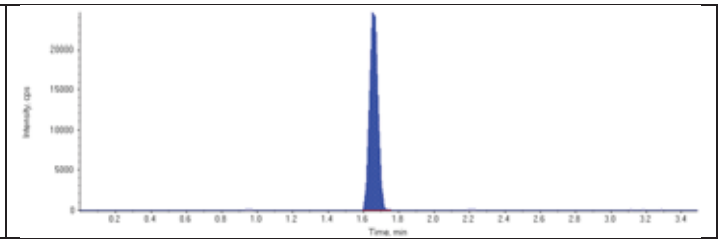
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



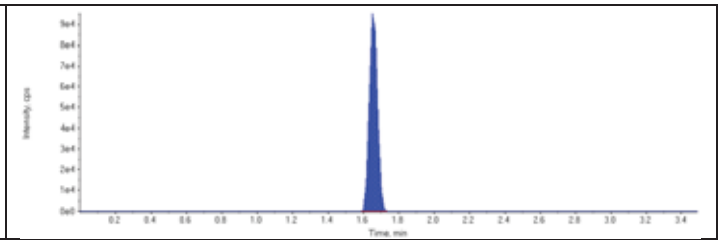
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



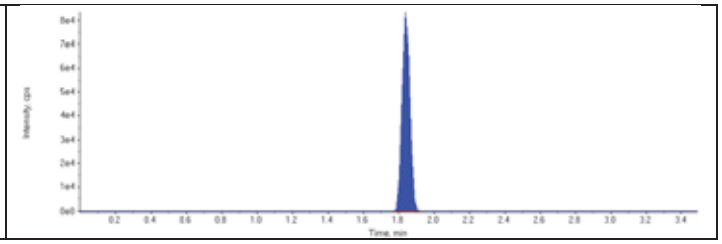
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



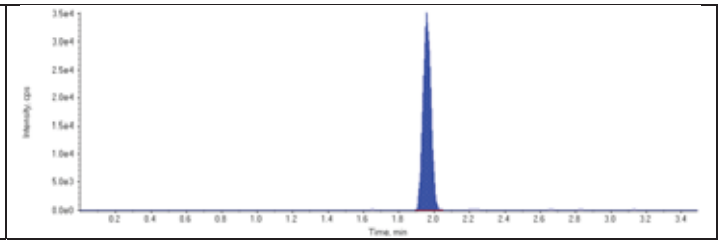
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



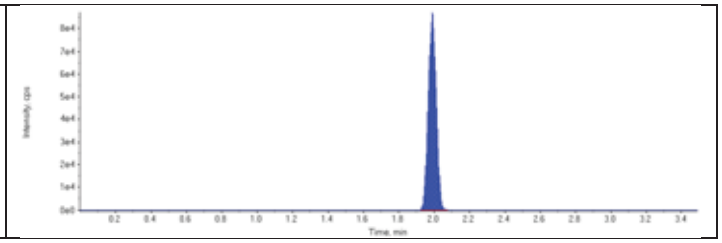
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



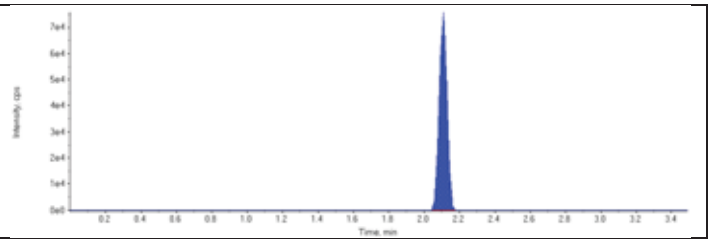
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



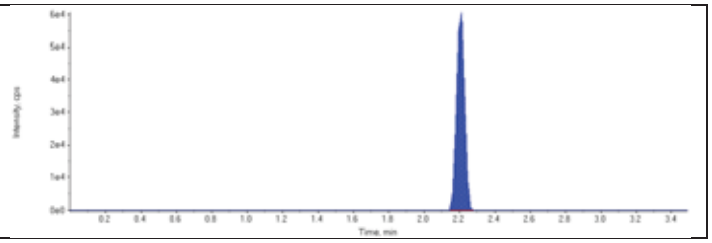
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



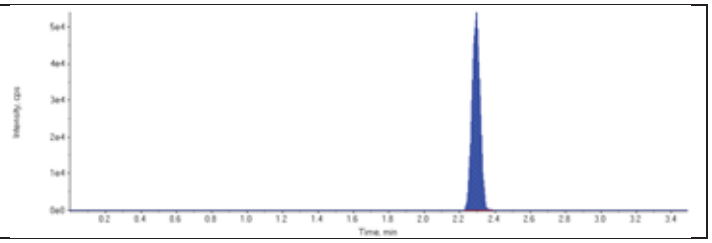
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



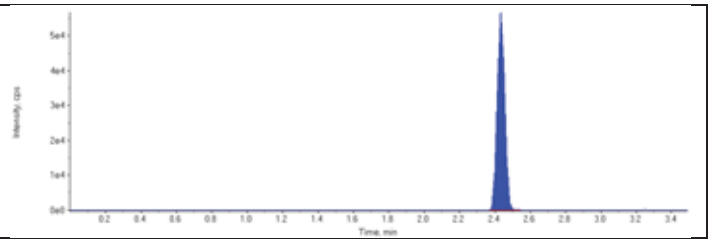
MPFDoA (Internal Standard)

RT (Exp. RT): 2.29(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



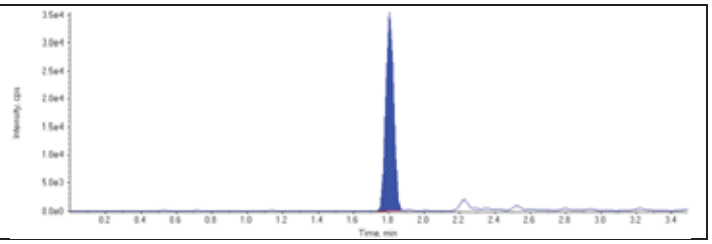
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.43(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



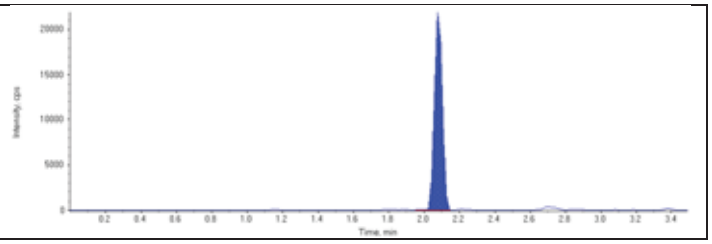
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



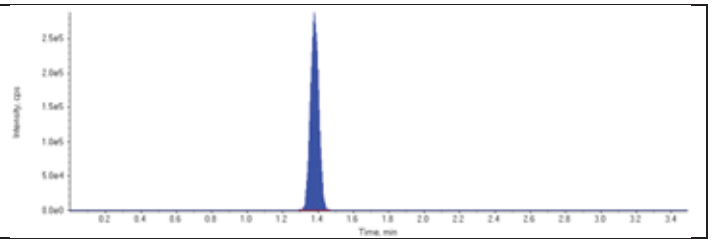
M2 8:2 FTS (Internal Standard)

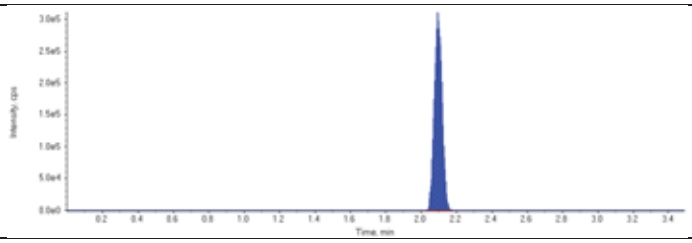
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.38(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

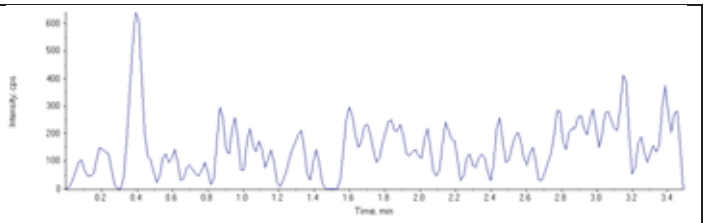
PFBS 1 (298.900/79.900 Da)

RT (Exp. RT): 0.00 (1.09) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



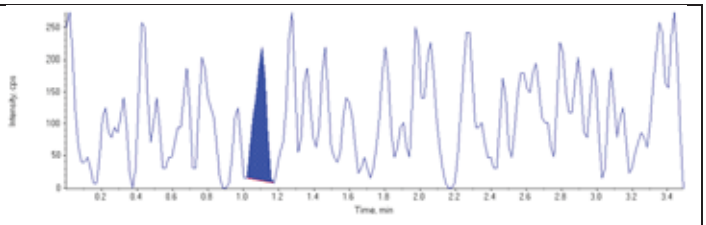
PFBS 2 (298.900/98.900 Da)

RT (Exp. RT): 1.10 (1.09) min

Calculated Conc: 0.00444 µg/L

Area Ratio: 0.0110

Sample Type: (Unknown)



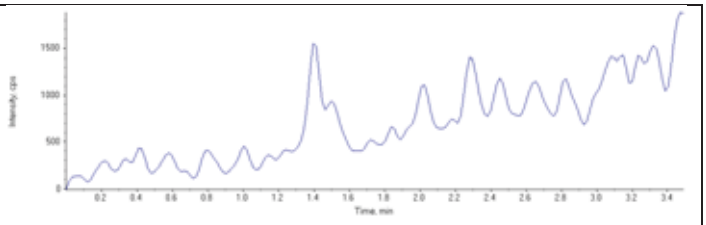
PFHxA 1 (313.000/269.000 Da)

RT (Exp. RT): 0.00 (1.40) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



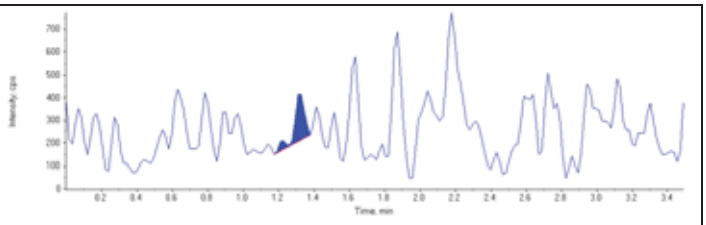
PFHxA 2 (313.000/119.000 Da)

RT (Exp. RT): 1.32 (1.41) min

Calculated Conc: 0.00490 µg/L

Area Ratio: 0.00308

Sample Type: (Unknown)



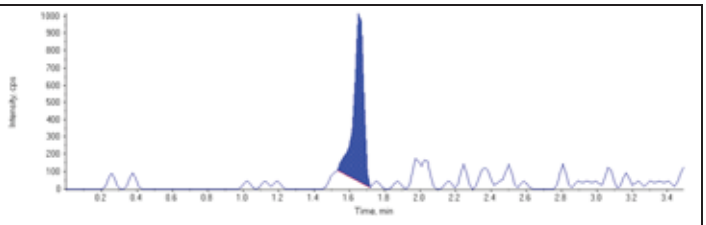
PFHxS 1 (398.900/79.900 Da)

RT (Exp. RT): 1.66 (1.67) min

Calculated Conc: 0.00421 µg/L

Area Ratio: 0.0460

Sample Type: (Unknown)



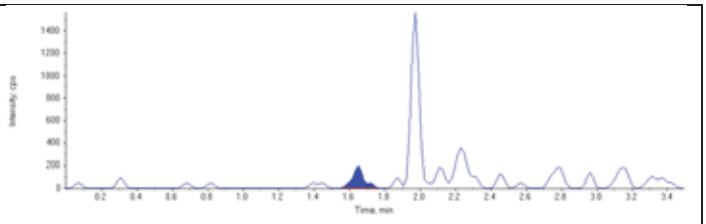
PFHxS 2 (398.900/98.900 Da)

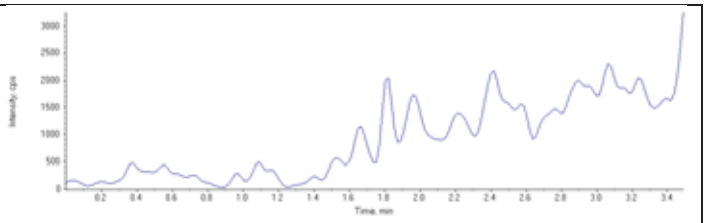
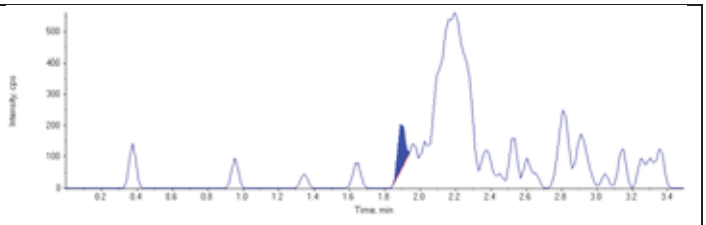
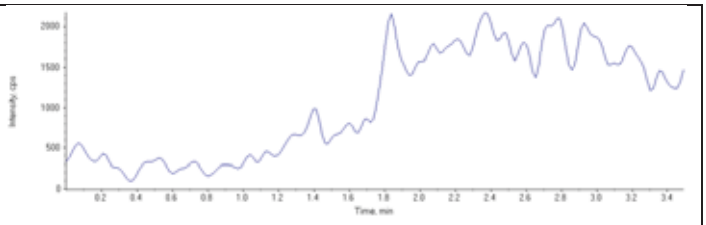
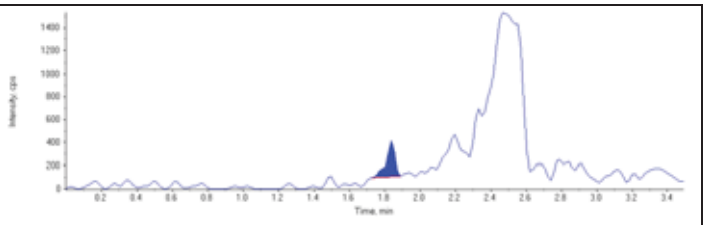
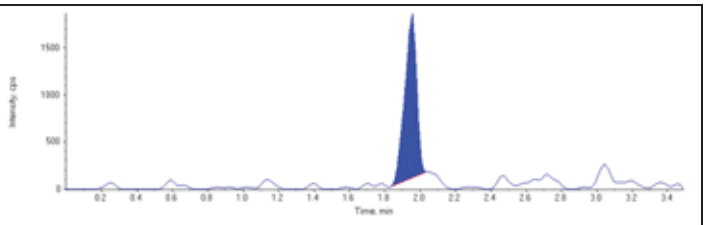
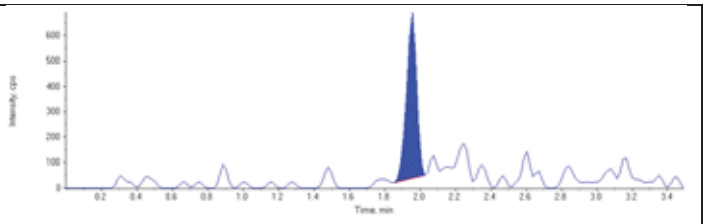
RT (Exp. RT): 1.65 (1.67) min

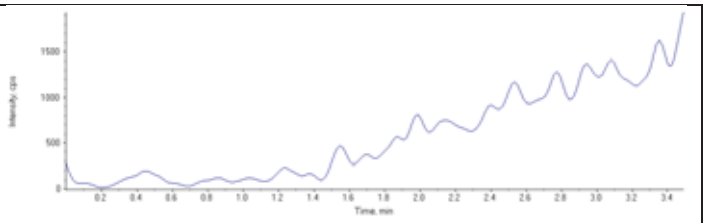
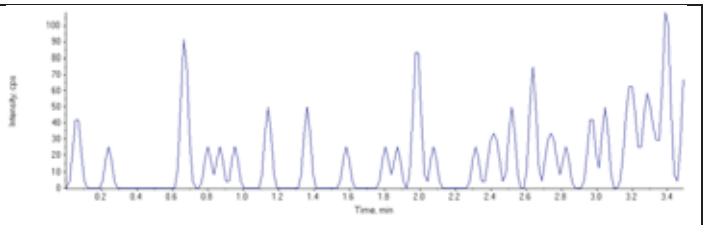
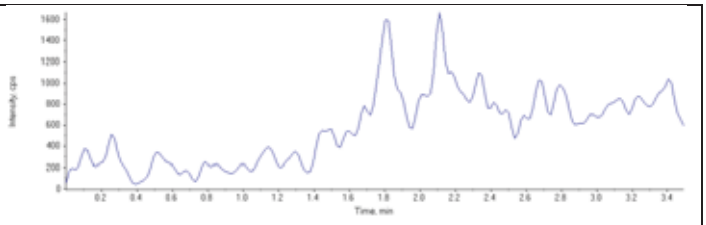
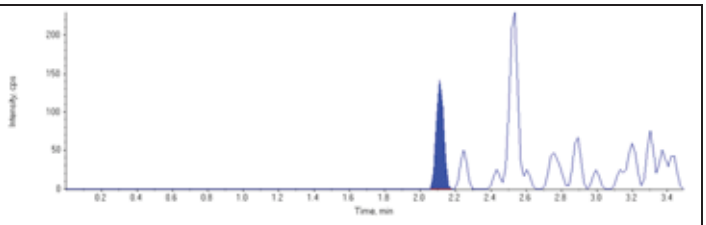
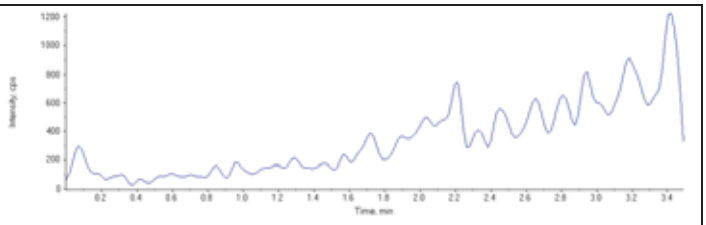
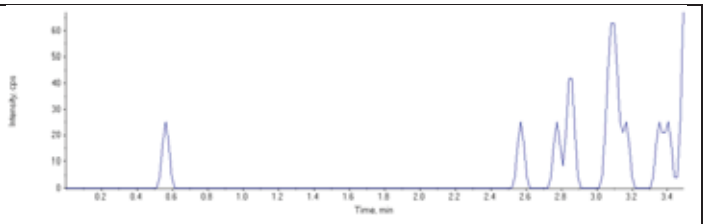
Calculated Conc: 0.00433 µg/L

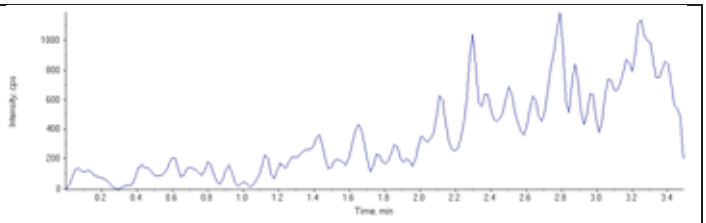
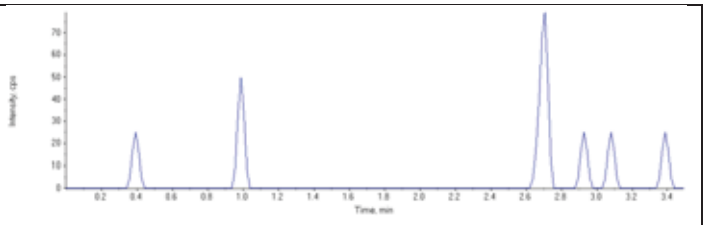
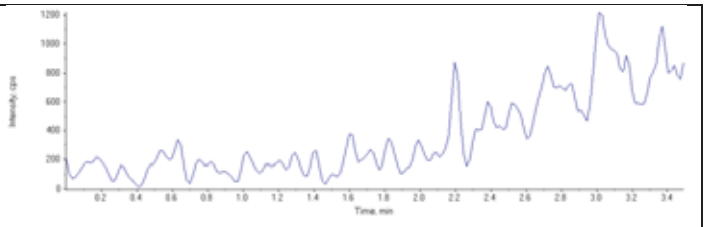
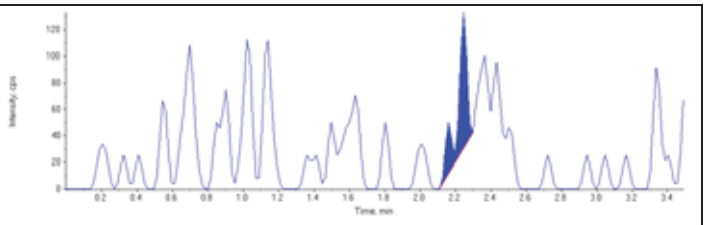
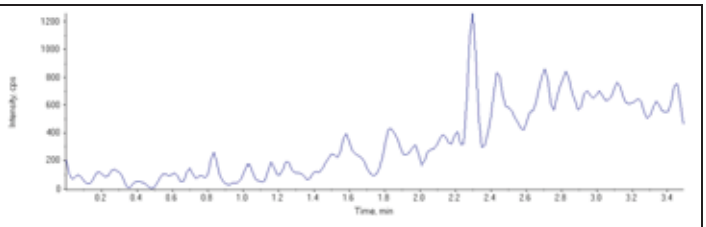
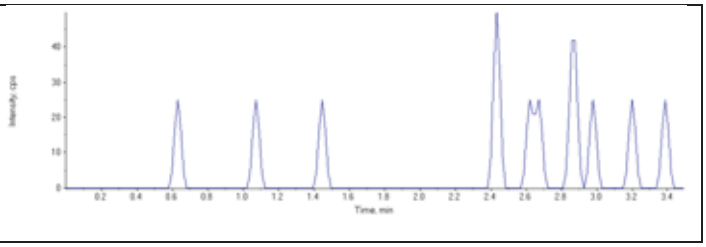
Area Ratio: 0.0109

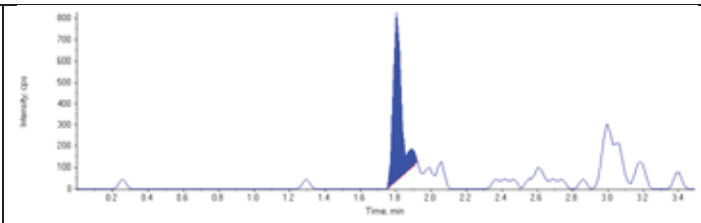
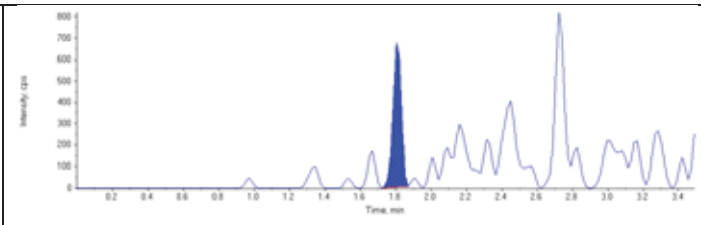
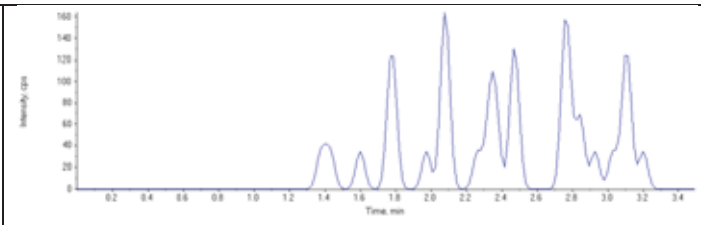
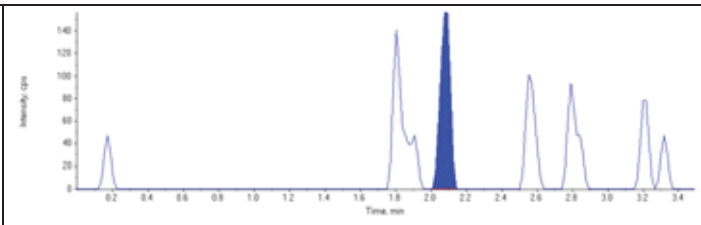
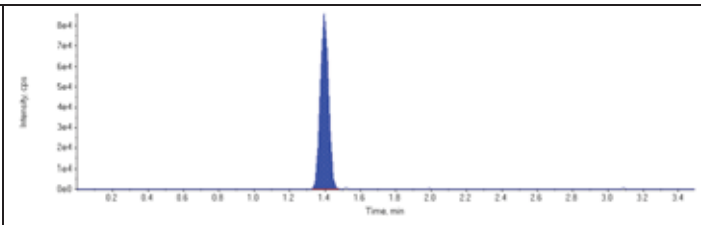
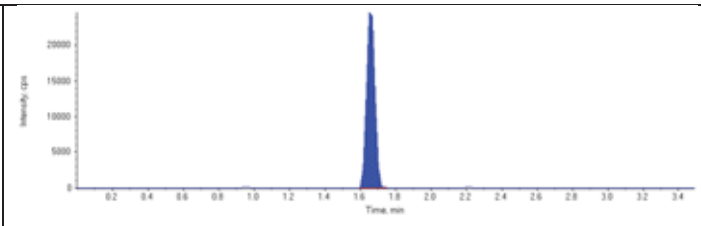
Sample Type: (Unknown)

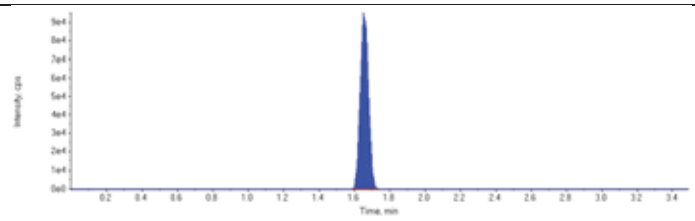
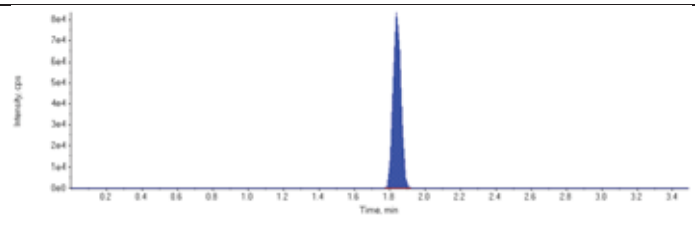
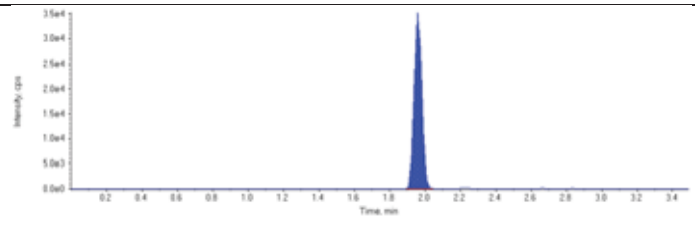
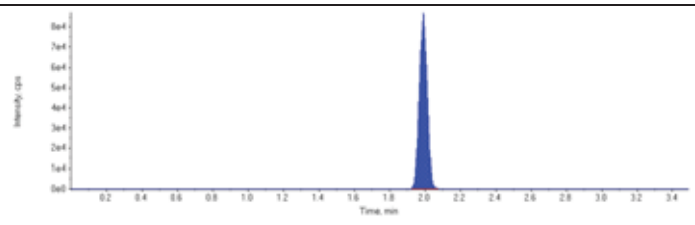
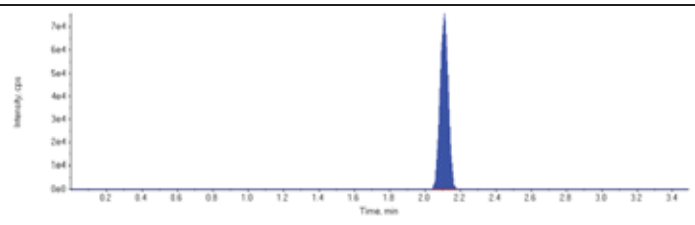
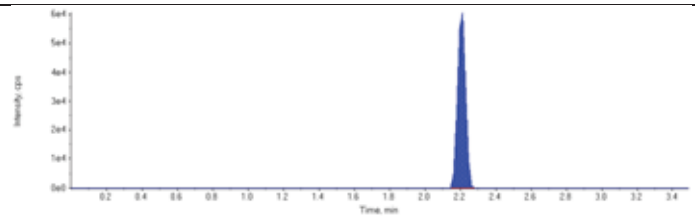


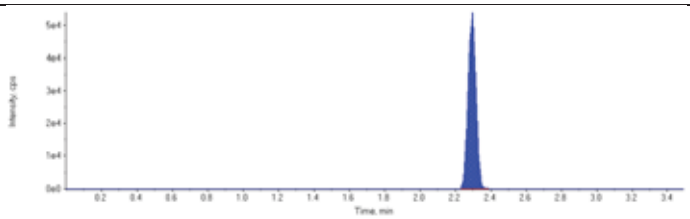
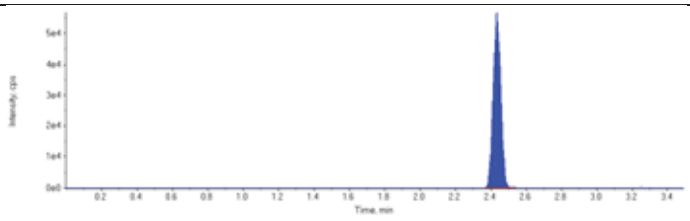
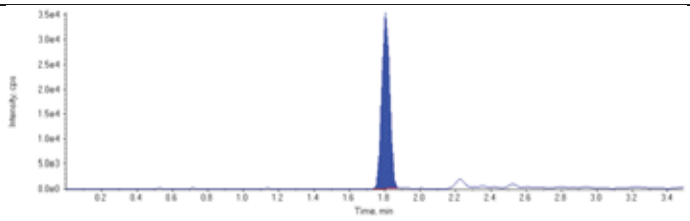
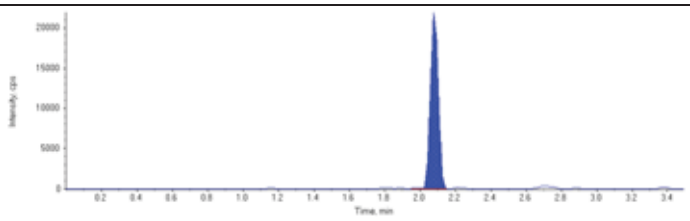
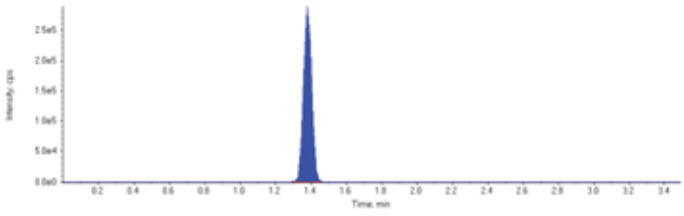
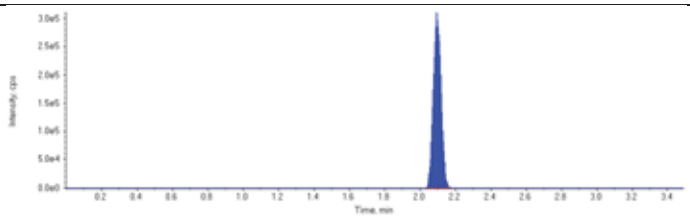
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.90 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00126 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.00596 µg/L Area Ratio: 0.00414 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 0.00651 µg/L Area Ratio: 0.0755 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.00735 µg/L Area Ratio: 0.0240 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.00274 µg/L Area Ratio: 0.00174 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.25 (2.37) min Calculated Conc: 0.00175 µg/L Area Ratio: 0.00225 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 0.00770 µg/L Area Ratio: 0.0238 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 0.00562 µg/L Area Ratio: 0.0210 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 0.00612 µg/L Area Ratio: 0.00933 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 91.9 µg/L Area Ratio: 0.295 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 103. µg/L Area Ratio: 0.0891 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 101. µg/L Area Ratio: 0.335 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 100. µg/L Area Ratio: 0.275 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 91.9 µg/L Area Ratio: 0.117 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 98.7 µg/L Area Ratio: 0.289 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 80.2 µg/L Area Ratio: 0.248 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 89.7 µg/L Area Ratio: 0.206 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.29 (2.35) min Calculated Conc: 80.3 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.43 (2.49) min Calculated Conc: 73.6 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 97.9 µg/L Area Ratio: 0.117 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 111. µg/L Area Ratio: 0.0740 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 1.73 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 1.89 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

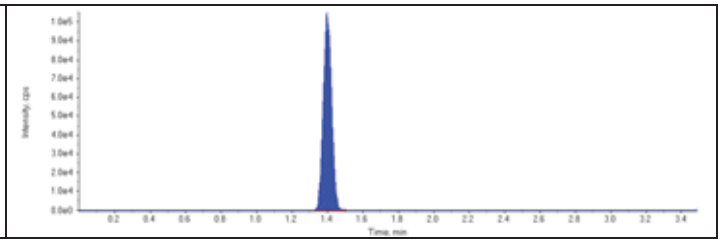
Sample ID	4988945~EJI408-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	21
Acquisition Date	2017/05/23 3:00:17 PM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reinjected to check for carryover		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	344000.	1.40	1.00	-
MPFHxS	105000.	1.66	1.00	-
MPFHpA	382000.	1.66	1.00	-
MPFOA	322000.	1.84	1.00	-
MPFOS	133000.	1.96	1.00	-
MPFNA	347000.	1.99	1.00	-
MPFDA	313000.	2.11	1.00	-
MPFUnA	227000.	2.21	1.00	-
MPFDoA	206000.	2.30	1.00	-
MPFTeDA	225000.	2.44	1.00	-
M2 6:2 FTS	143000.	1.81	1.00	-
M2 8:2 FTS	70300.	2.08	1.00	-
13C6-PFHxA IS	1150000.	1.38	0.833	-
13C9-PFDA IS	1190000.	2.10	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	75500	1.09	N/A	1.02	N/A
PFBS 2	38700	1.09	N/A	0.962	N/A
PFHxA 1	303000	1.40	N/A	2.61	N/A
PFHxA 2	15500	1.40	N/A	2.23	N/A
PFHxS 1	472000	1.66	N/A	6.34	N/A
PFHxS 2	140000	1.66	N/A	6.34	N/A
PFHpA 1	67000	1.66	N/A	0.624	N/A
PFHpA 2	1310	1.67	N/A	0.356	N/A
PFOA 1	95300	1.84	N/A	1.02	N/A
PFOA 2	36600	1.84	N/A	1.01	N/A
PFOS 1	450000	1.95	N/A	8.80	N/A
PFOS 2	126000	1.96	N/A	7.98	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	1090	1.99	N/A	0.116	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	818	2.12	N/A	0.150	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	244000	1.81	N/A	7.92	N/A
6:2-FTS 2	184000	1.81	N/A	8.69	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	1150	2.09	N/A	0.351	N/A
13C2-PFHxA	344000	1.40	N/A	93.1	N/A
18O2-PFHxS	105000	1.66	N/A	106.	N/A
13C4-PFHpA	382000	1.66	N/A	100.	N/A
13C4-PFOA	322000	1.84	N/A	102.	N/A
13C4-PFOS	133000	1.96	N/A	91.2	N/A
13C5-PFNA	347000	1.99	N/A	103.	N/A
13C2-PFDA	313000	2.11	N/A	84.7	N/A
13C2-PFUnA	227000	2.21	N/A	82.9	N/A
13C2-PFDoA	206000	2.30	N/A	77.7	N/A
13C2-PFTeDA	225000	2.44	N/A	77.6	N/A
13C2-6:2-FTS	143000	1.81	N/A	104.	N/A
13C2-8:2 FTS	70300	2.08	N/A	91.8	N/A
13C6-PFHxA	1150000	1.38	N/A	108.	N/A
13C9-PFDA	1190000	2.10	N/A	119.	N/A

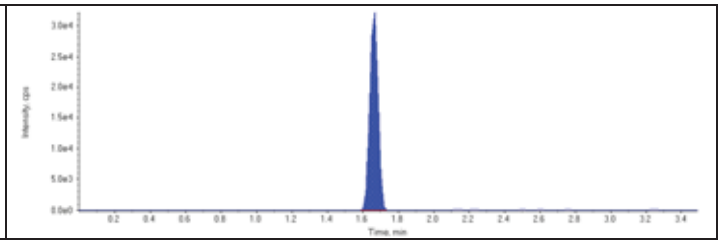
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



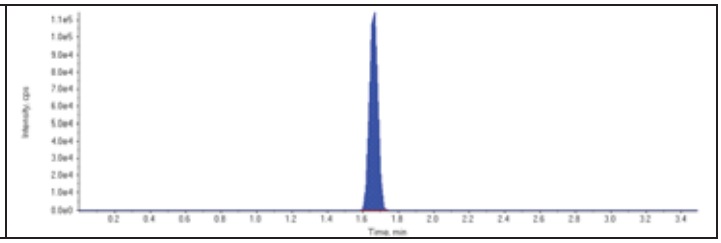
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



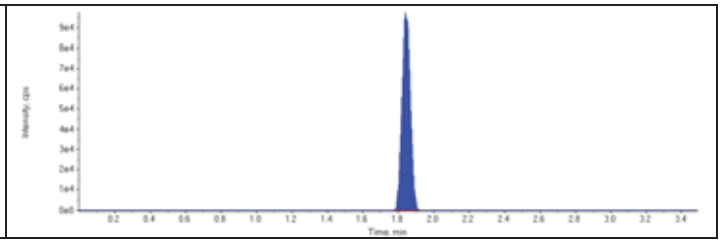
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



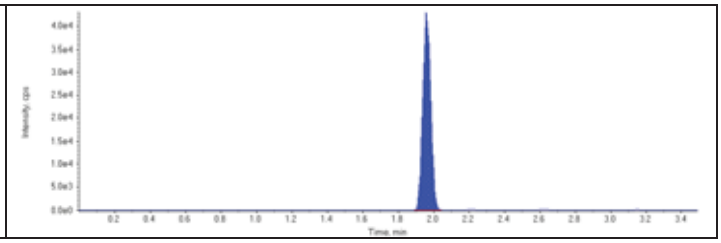
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



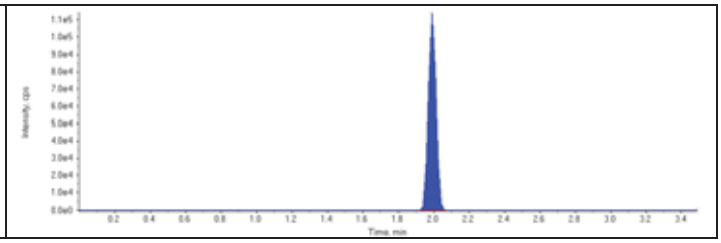
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



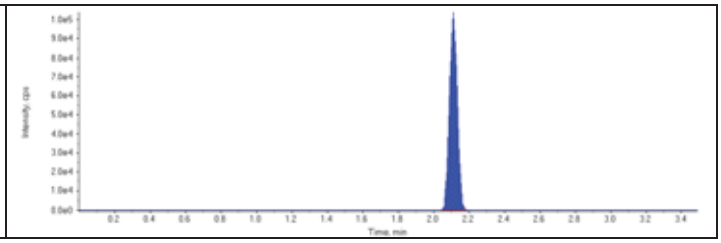
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



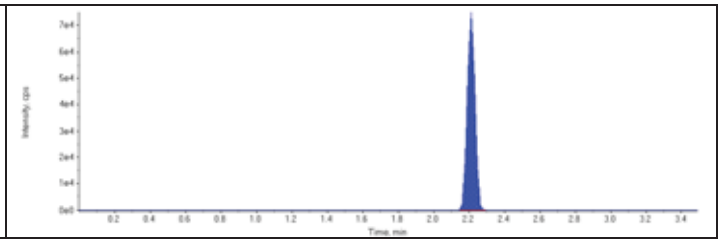
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



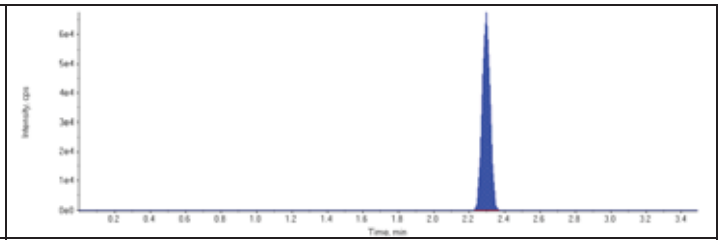
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



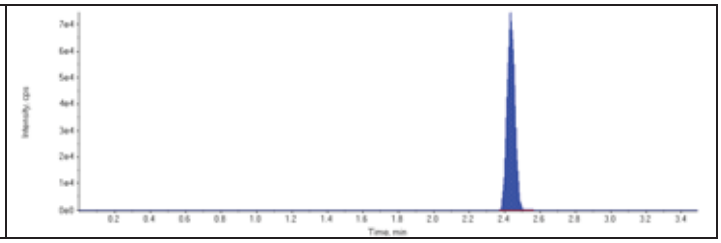
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



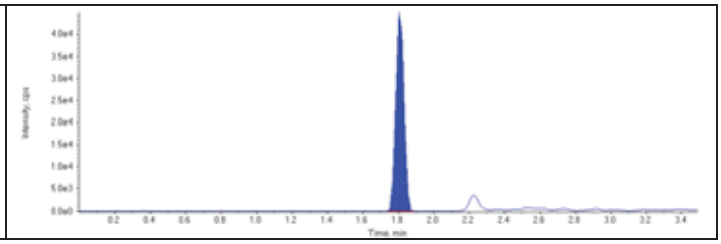
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



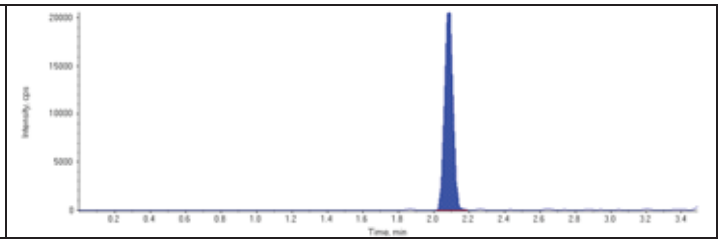
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



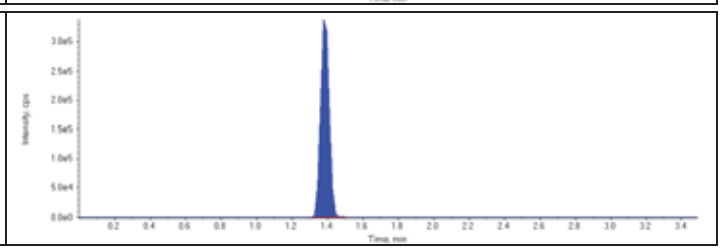
M2 8:2 FTS (Internal Standard)

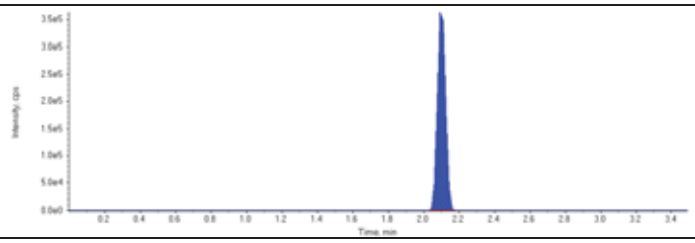
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

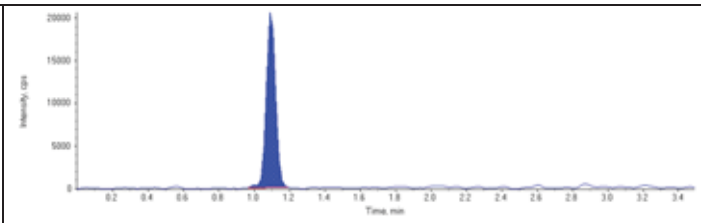
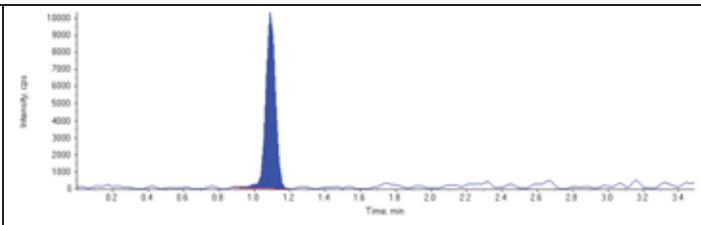
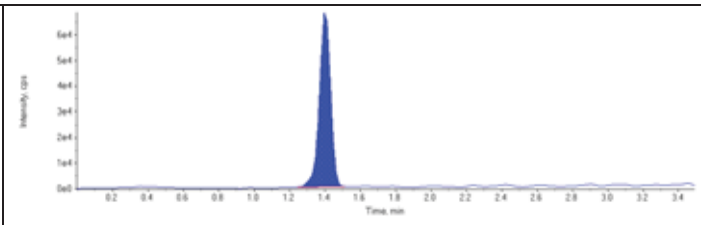
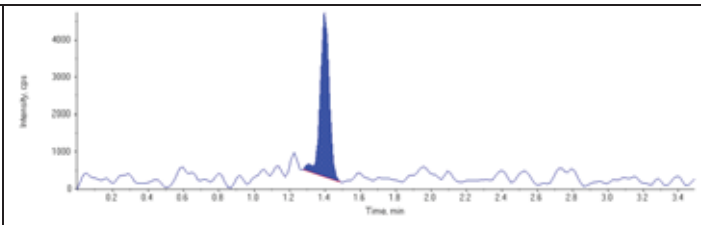
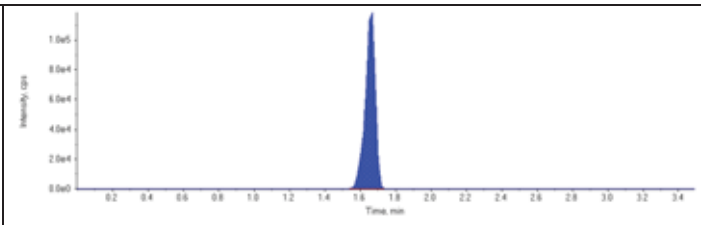
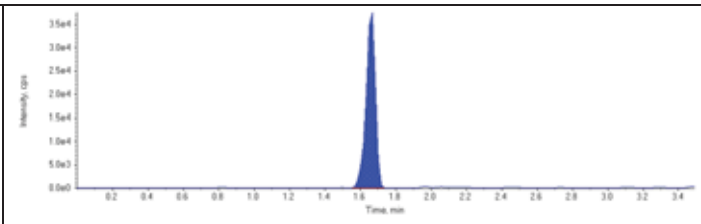


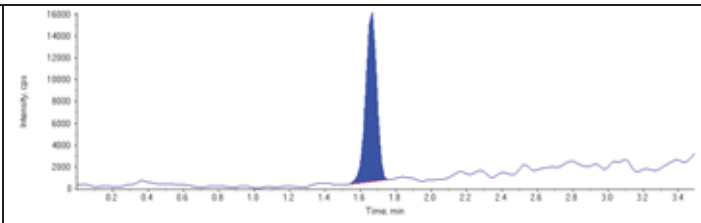
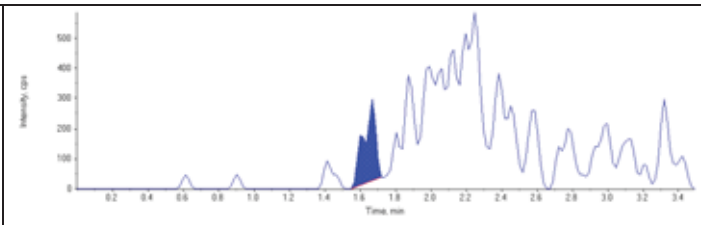
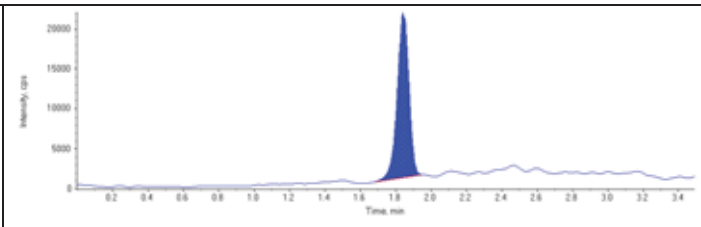
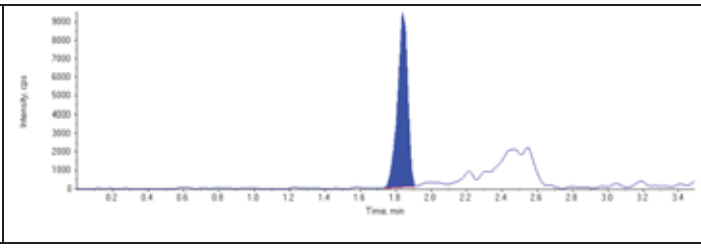
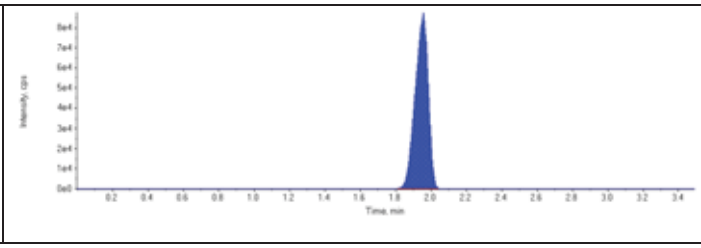
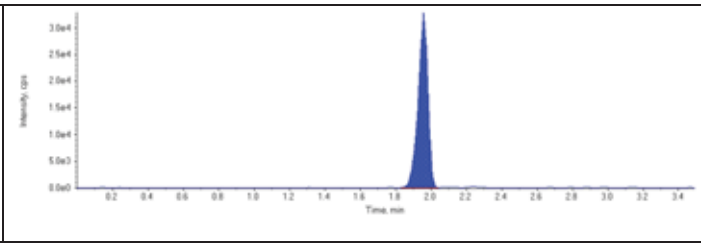
13C6-PFHxA IS (Internal Standard)

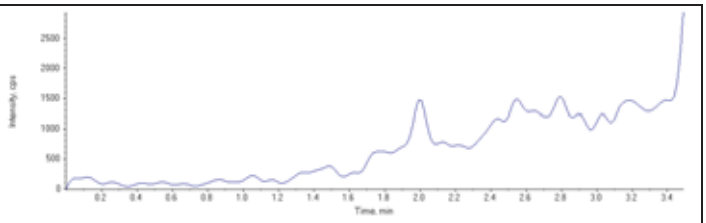
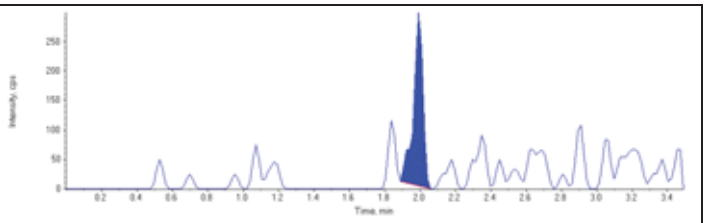
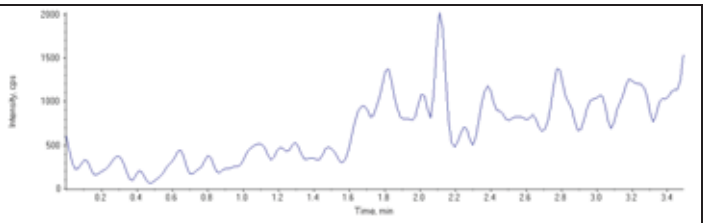
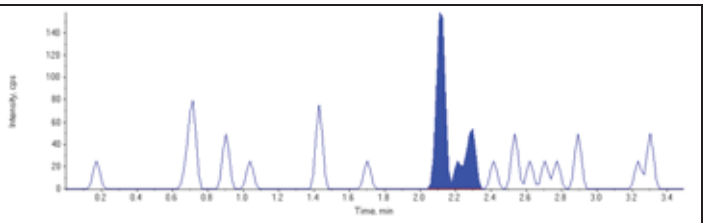
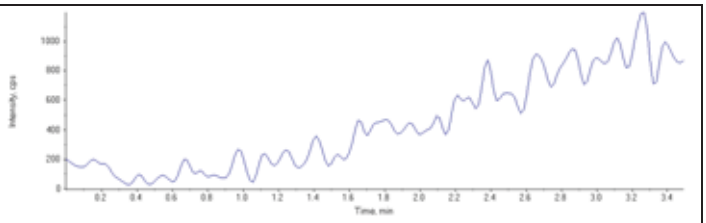
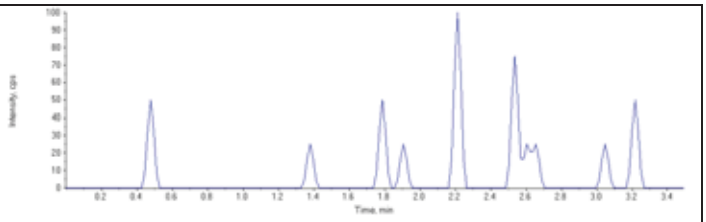
RT (Exp. RT): 1.38(1.40) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

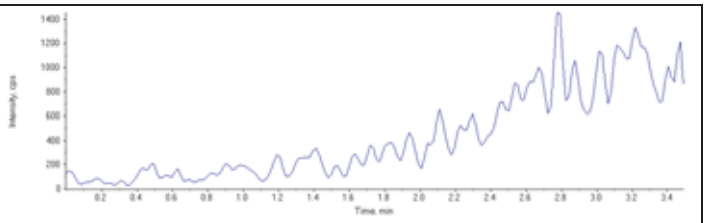
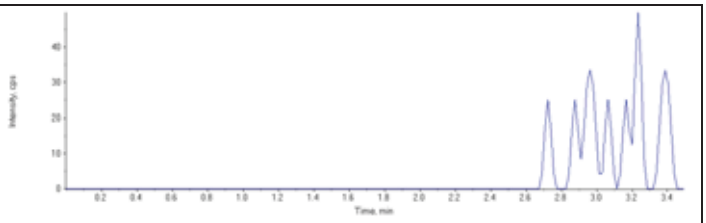
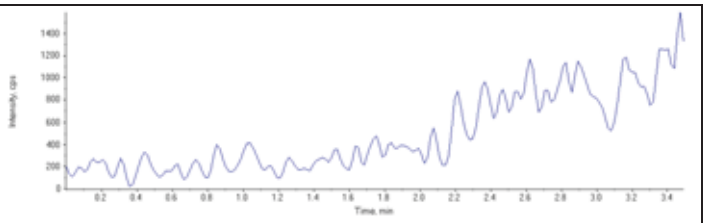
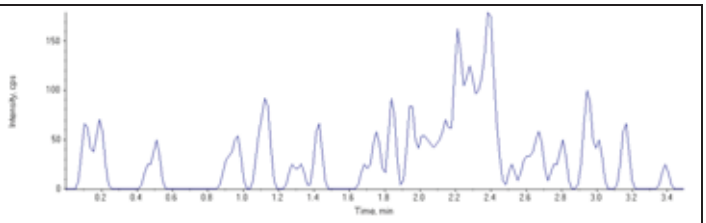
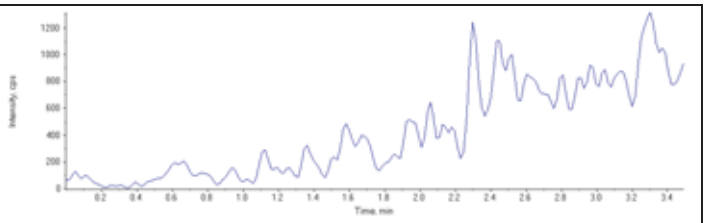
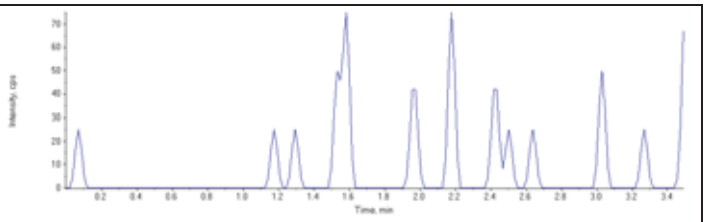


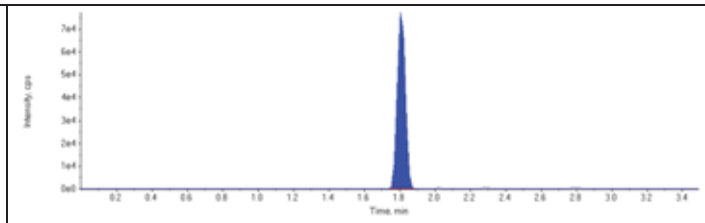
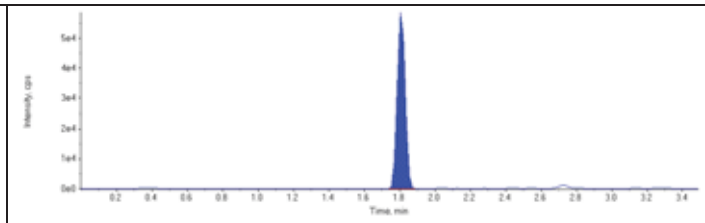
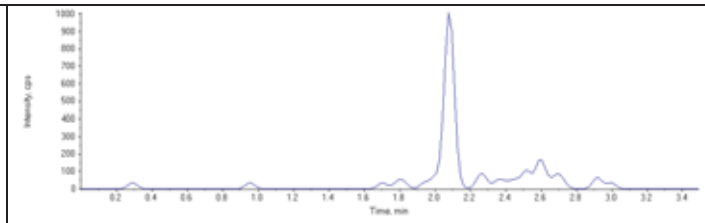
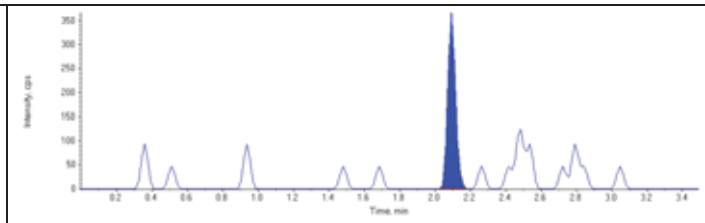
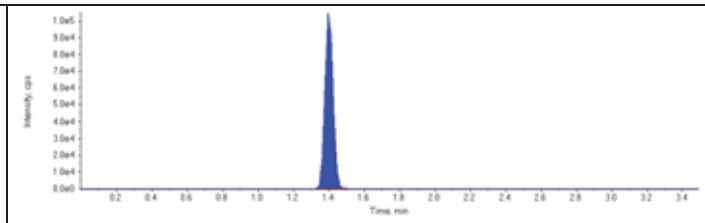
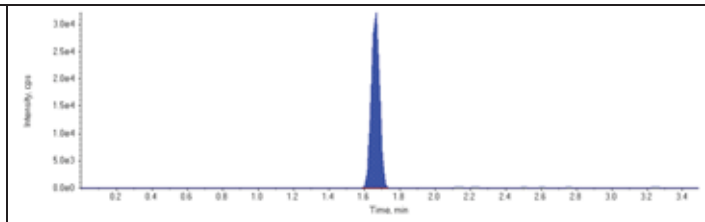
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

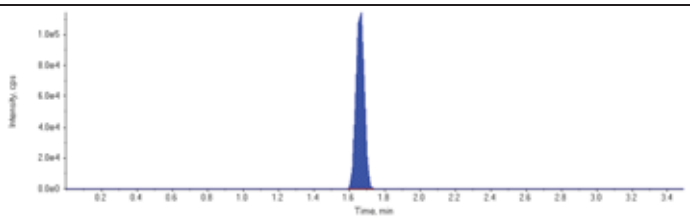
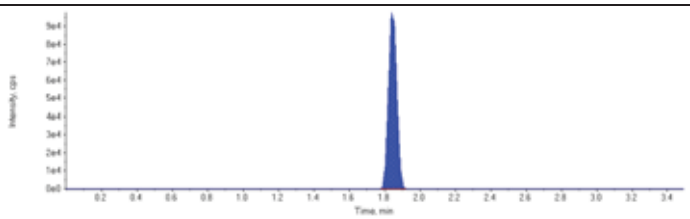
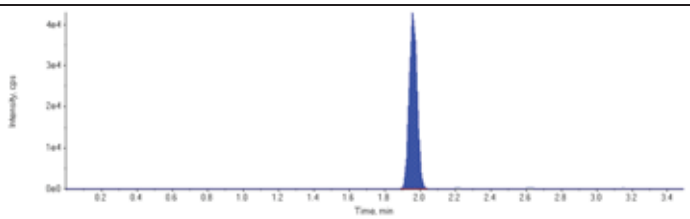
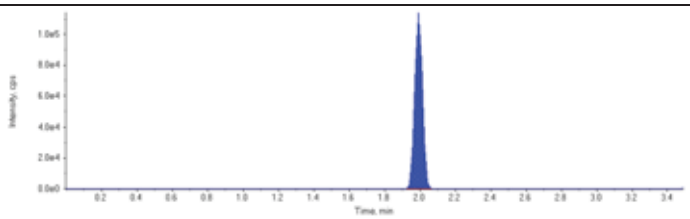
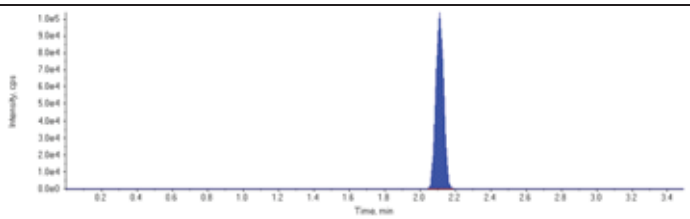
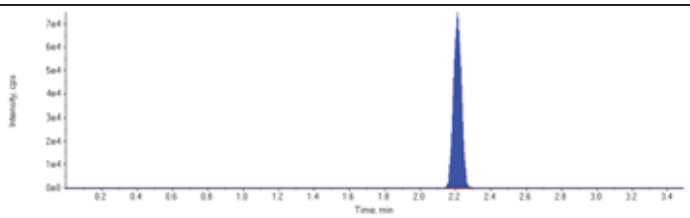
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 1.02 µg/L Area Ratio: 0.720 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.962 µg/L Area Ratio: 0.369 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 2.61 µg/L Area Ratio: 0.879 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 2.23 µg/L Area Ratio: 0.0451 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 6.34 µg/L Area Ratio: 4.50 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 6.34 µg/L Area Ratio: 1.33 Sample Type: (Unknown)	

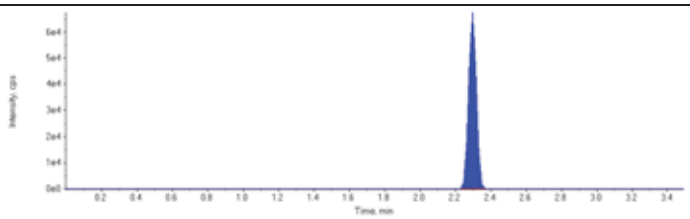
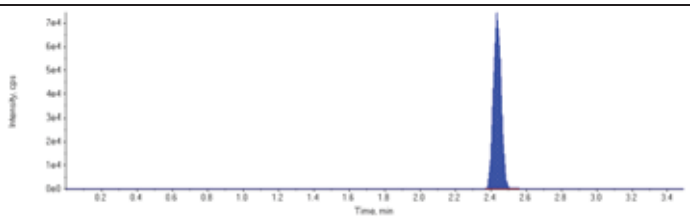
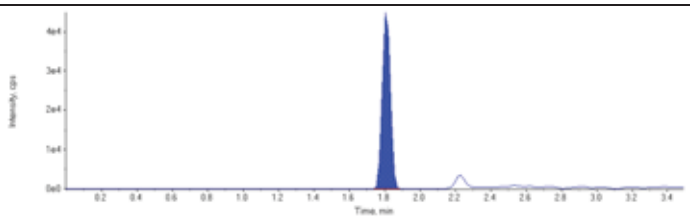
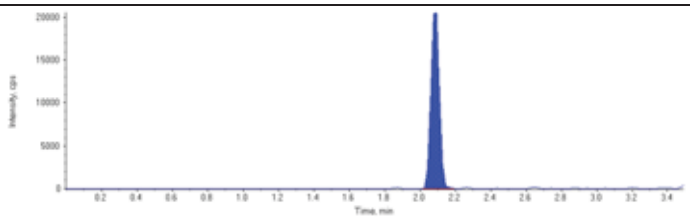
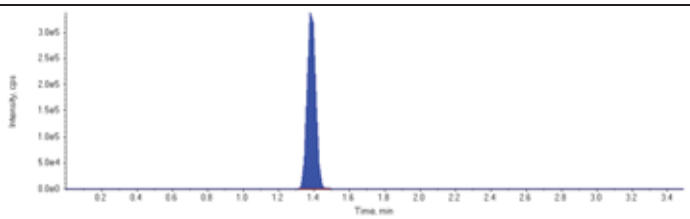
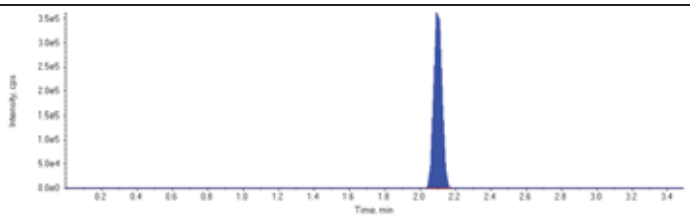
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.624 µg/L Area Ratio: 0.176 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 0.356 µg/L Area Ratio: 0.00344 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 1.02 µg/L Area Ratio: 0.296 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 1.01 µg/L Area Ratio: 0.113 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 8.80 µg/L Area Ratio: 3.38 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 7.98 µg/L Area Ratio: 0.948 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.116 µg/L Area Ratio: 0.00314 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.11) min Calculated Conc: 0.150 µg/L Area Ratio: 0.00262 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 0.00 (2.37) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 7.92 µg/L Area Ratio: 1.70 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 8.69 µg/L Area Ratio: 1.28 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 0.351 µg/L Area Ratio: 0.0163 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 93.1 µg/L Area Ratio: 0.300 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 106. µg/L Area Ratio: 0.0913 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 100. µg/L Area Ratio: 0.332 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 102. µg/L Area Ratio: 0.280 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 91.2 µg/L Area Ratio: 0.116 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 103. µg/L Area Ratio: 0.302 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 84.7 µg/L Area Ratio: 0.263 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 82.9 µg/L Area Ratio: 0.191 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 77.7 µg/L Area Ratio: 0.173 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 77.6 µg/L Area Ratio: 0.189 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 104. µg/L Area Ratio: 0.125 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 91.8 µg/L Area Ratio: 0.0612 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 108. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 119. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

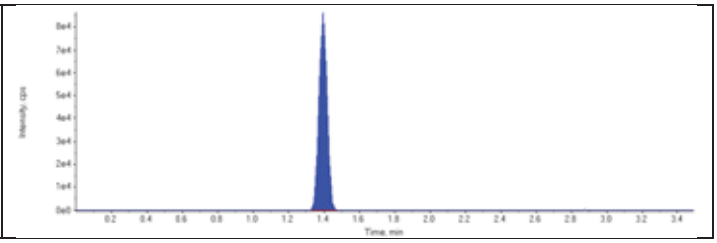
Sample ID	4988945~EJI408-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	21
Acquisition Date	2017/05/24 8:30:35 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reinjection, reported for 6:2-FTS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	273000.	1.40	1.00	-
MPFHxS	86900.	1.66	1.00	-
MPFHpA	315000.	1.66	1.00	-
MPFOA	239000.	1.84	1.00	-
MPFOS	107000.	1.96	1.00	-
MPFNA	265000.	1.99	1.00	-
MPFDA	263000.	2.11	1.00	-
MPFUnA	178000.	2.21	1.00	-
MPFDoA	163000.	2.29	1.00	-
MPFTeDA	171000.	2.43	1.00	-
M2 6:2 FTS	101000.	1.81	1.00	-
M2 8:2 FTS	60900.	2.08	1.00	-
13C6-PFHxA IS	878000.	1.38	0.833	-
13C9-PFDA IS	931000.	2.10	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	51100	1.09	N/A	0.890	N/A
PFBS 2	34000	1.09	N/A	1.01	N/A
PFHxA 1	224000	1.40	N/A	2.45	N/A
PFHxA 2	12800	1.39	N/A	2.31	N/A
PFHxS 1	351000	1.66	N/A	5.70	N/A
PFHxS 2	105000	1.66	N/A	5.79	N/A
PFHpA 1	52600	1.66	N/A	0.599	N/A
PFHpA 2	1400	1.65	N/A	0.526	N/A
PFOA 1	69200	1.84	N/A	0.998	N/A
PFOA 2	27600	1.84	N/A	1.02	N/A
PFOS 1	357000	1.95	N/A	8.65	N/A
PFOS 2	94200	1.96	N/A	7.39	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	1090	1.99	N/A	0.128	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	275	2.23	N/A	0.0708	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	201000	1.81	N/A	9.24	N/A
6:2-FTS 2	139000	1.81	N/A	9.34	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	610	2.08	N/A	0.310	N/A
13C2-PFHxA	273000	1.40	N/A	96.7	N/A
18O2-PFHxS	86900	1.66	N/A	115.	N/A
13C4-PFHpA	315000	1.66	N/A	108.	N/A
13C4-PFOA	239000	1.84	N/A	99.0	N/A
13C4-PFOS	107000	1.96	N/A	96.3	N/A
13C5-PFNA	265000	1.99	N/A	103.	N/A
13C2-PFDA	263000	2.11	N/A	91.1	N/A
13C2-PFUnA	178000	2.21	N/A	82.8	N/A
13C2-PFDoA	163000	2.29	N/A	78.5	N/A
13C2-PFTeDA	171000	2.43	N/A	75.0	N/A
13C2-6:2-FTS	101000	1.81	N/A	95.9	N/A
13C2-8:2 FTS	60900	2.08	N/A	104.	N/A
13C6-PFHxA	878000	1.38	N/A	82.4	N/A
13C9-PFDA	931000	2.10	N/A	93.4	N/A

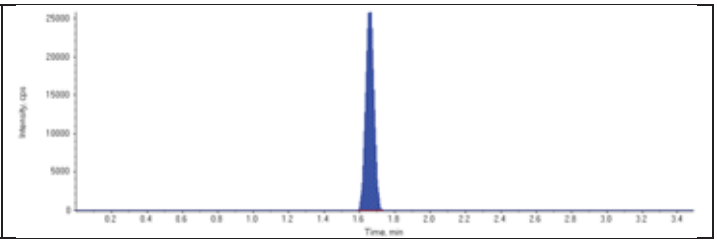
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



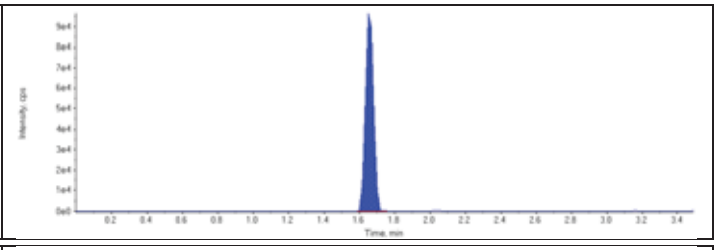
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



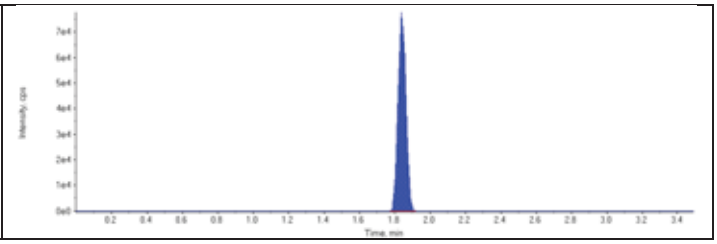
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



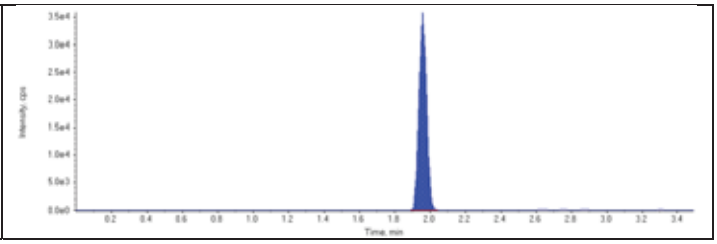
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



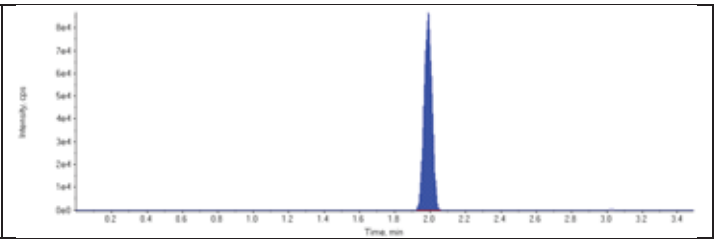
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



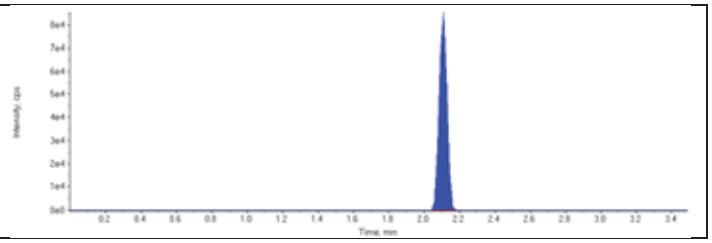
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



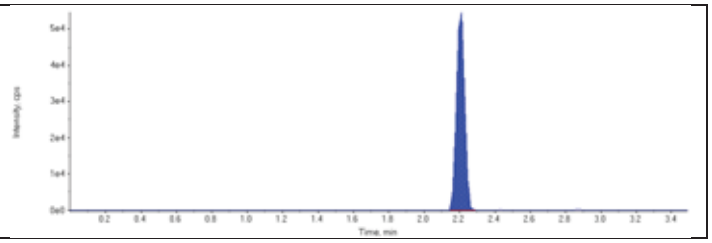
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



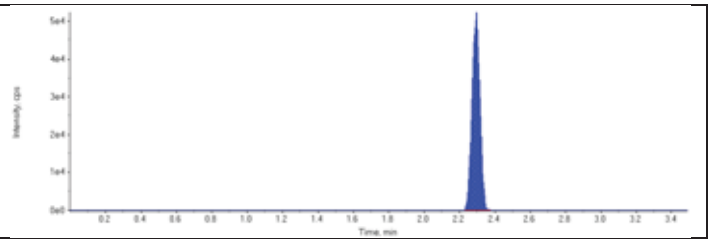
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



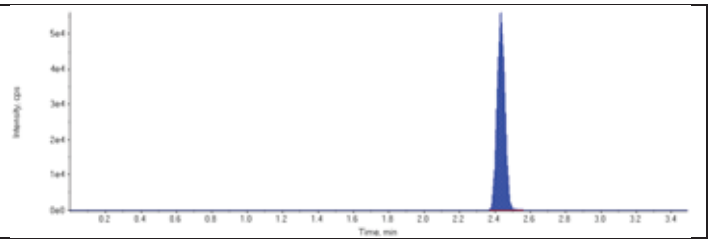
MPFDoA (Internal Standard)

RT (Exp. RT): 2.29(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



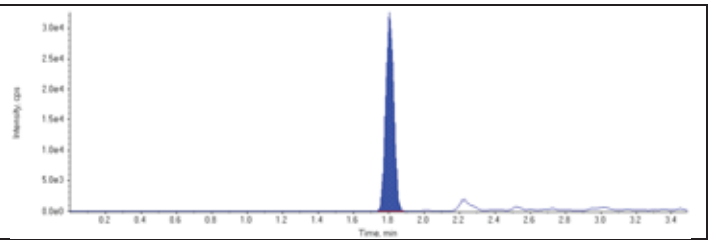
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.43(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



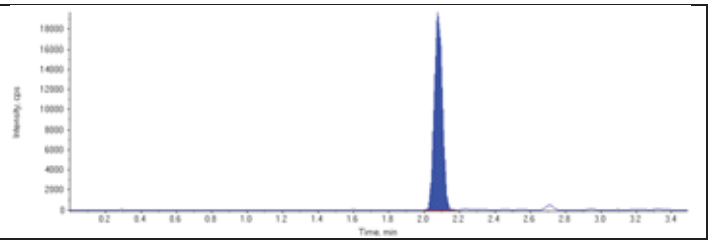
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



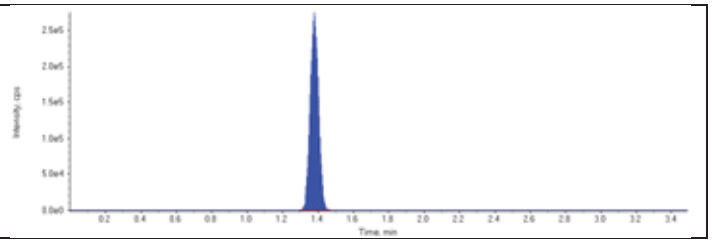
M2 8:2 FTS (Internal Standard)

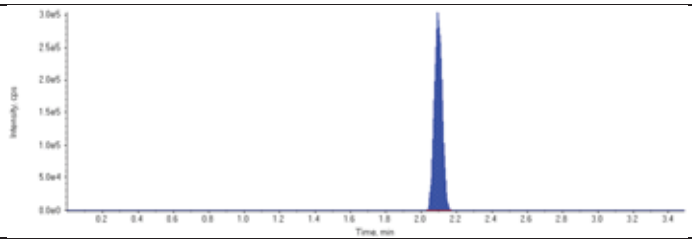
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

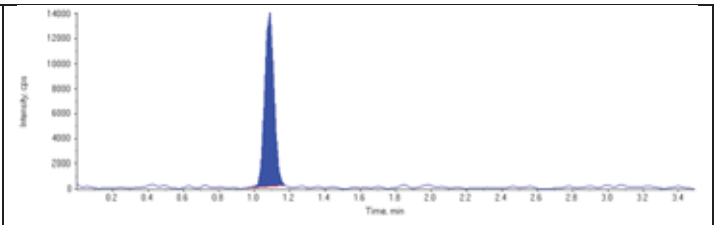
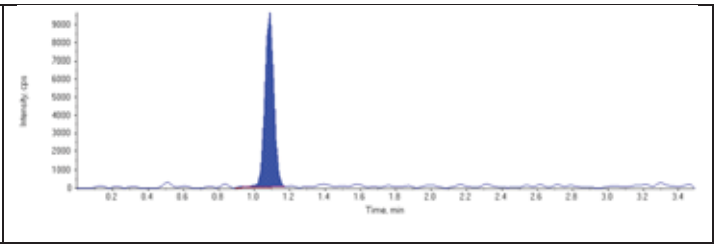
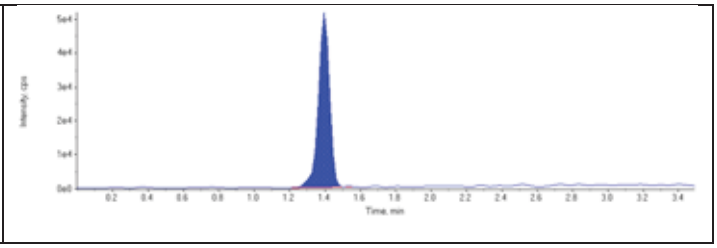
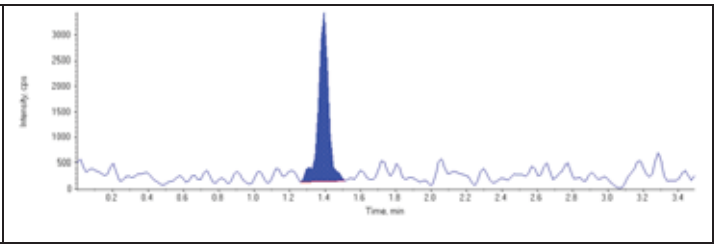
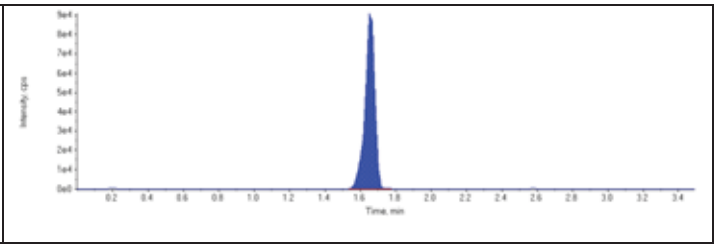
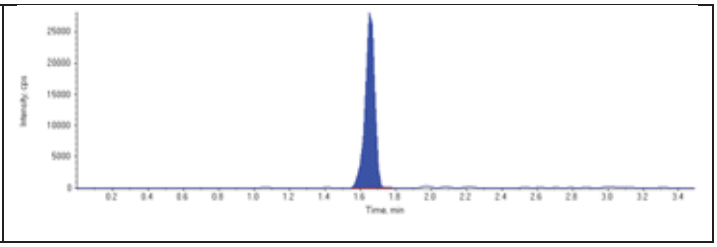


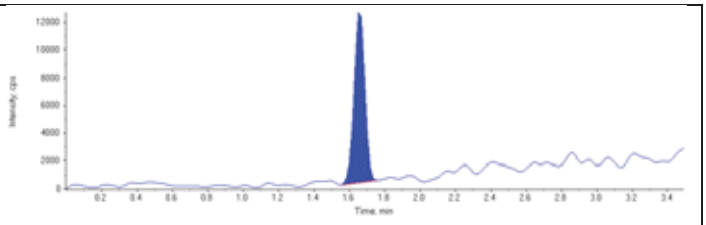
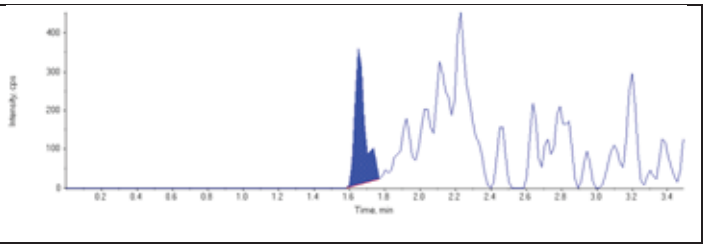
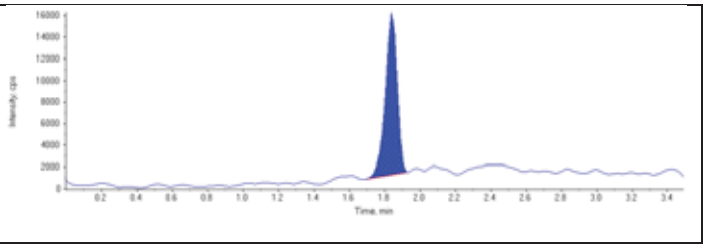
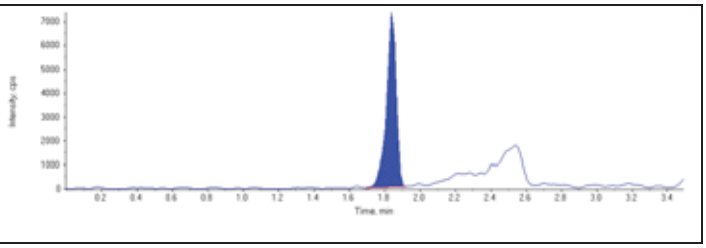
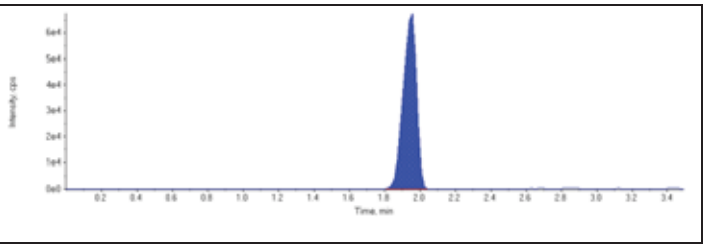
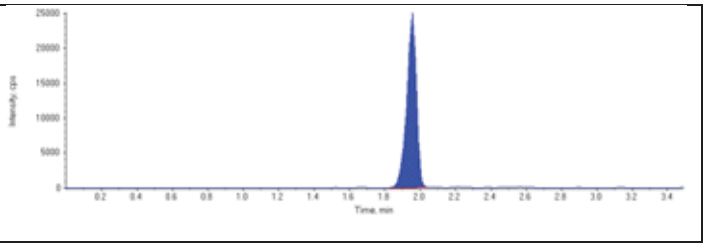
13C6-PFHxA IS (Internal Standard)

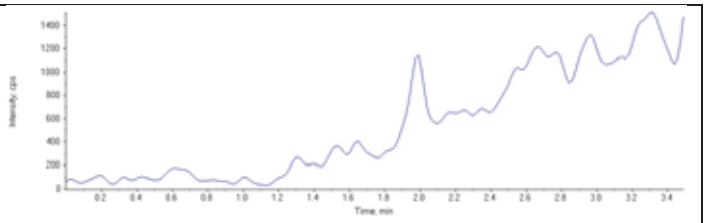
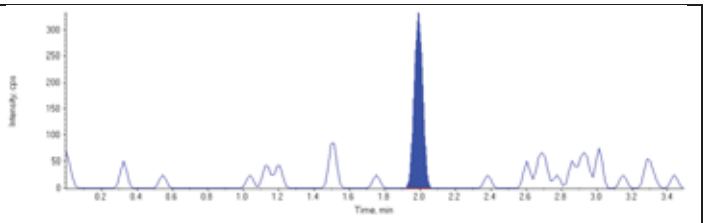
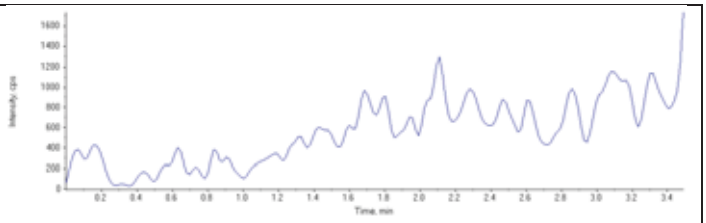
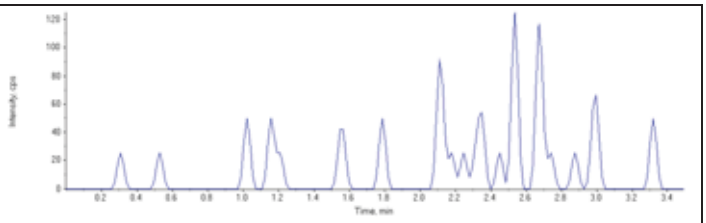
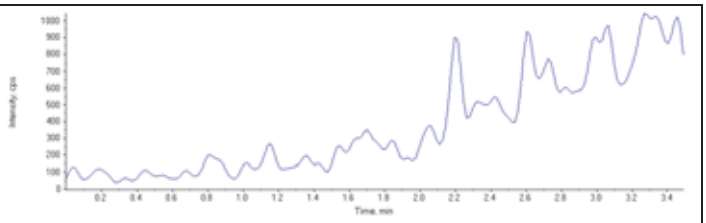
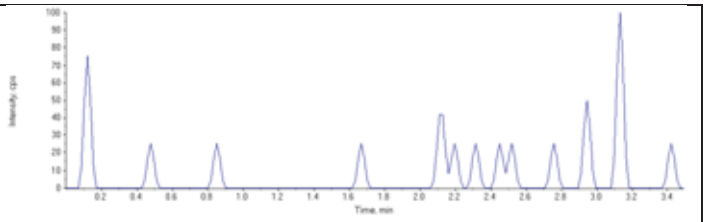
RT (Exp. RT): 1.38(1.40) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

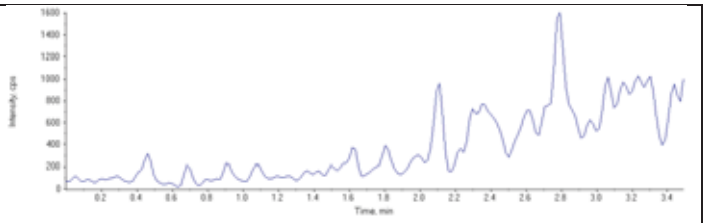
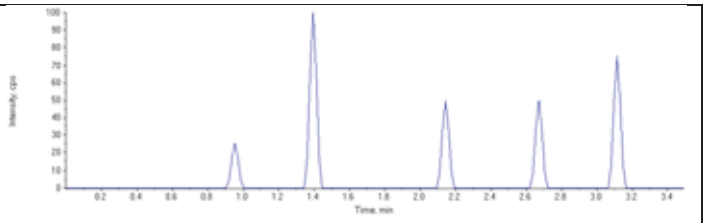
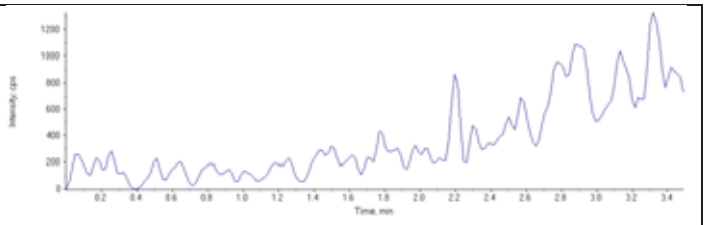
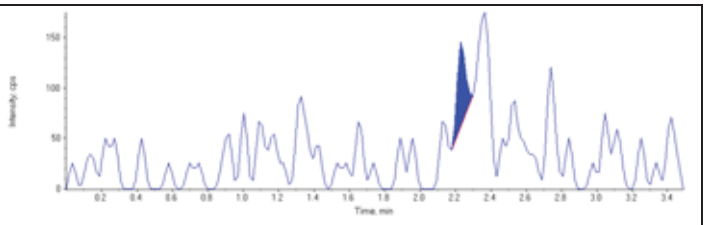
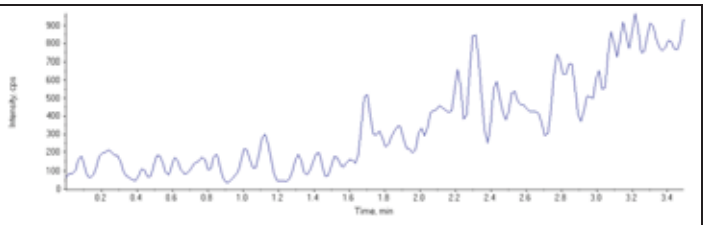
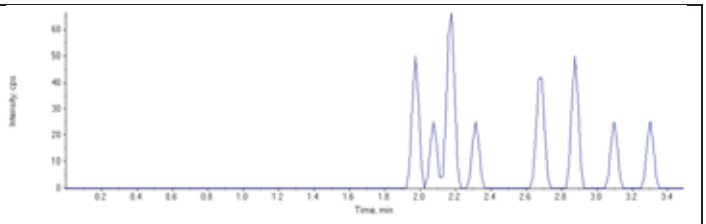


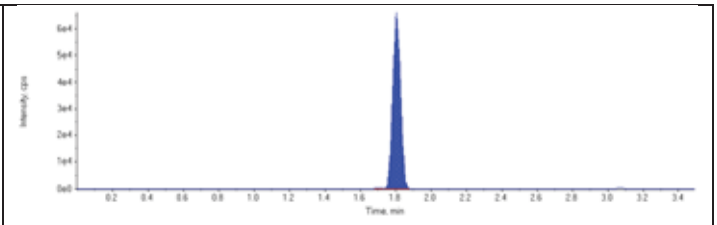
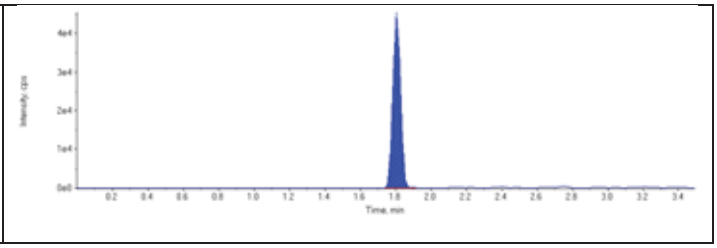
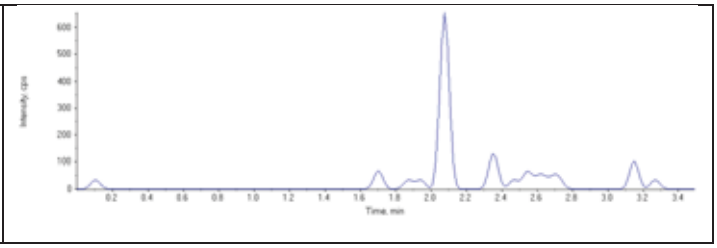
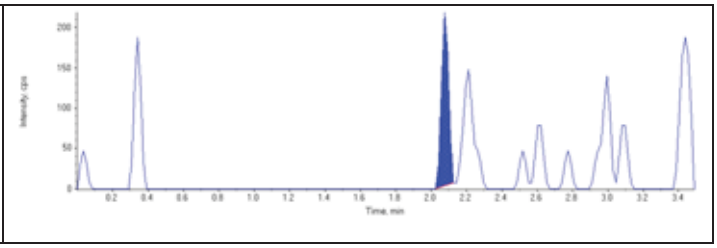
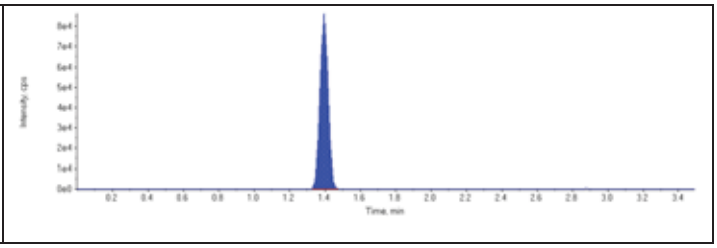
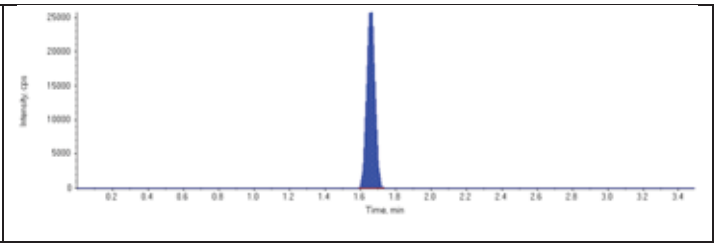
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

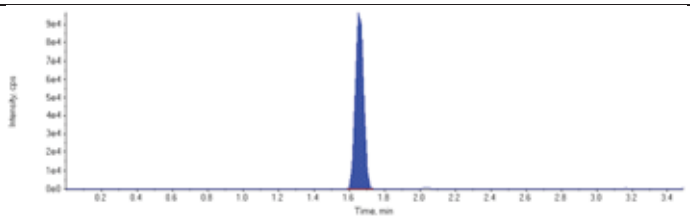
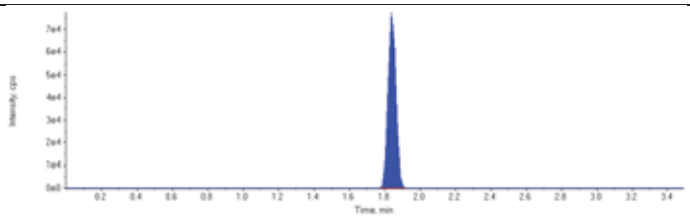
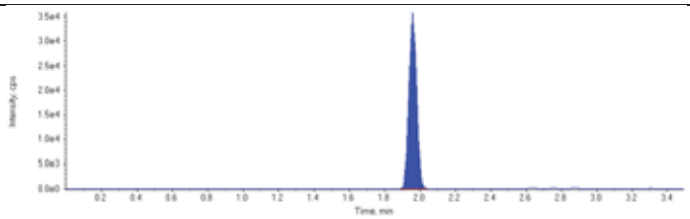
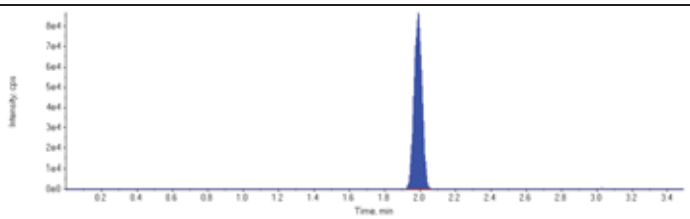
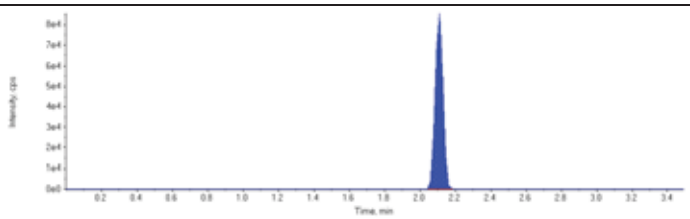
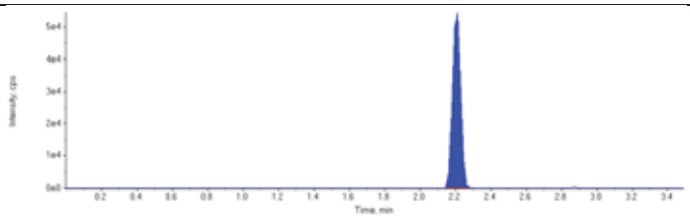
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.890 µg/L Area Ratio: 0.588 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 1.01 µg/L Area Ratio: 0.391 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 2.45 µg/L Area Ratio: 0.821 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.39 (1.41) min Calculated Conc: 2.31 µg/L Area Ratio: 0.0468 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 5.70 µg/L Area Ratio: 4.03 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 5.79 µg/L Area Ratio: 1.21 Sample Type: (Unknown)	

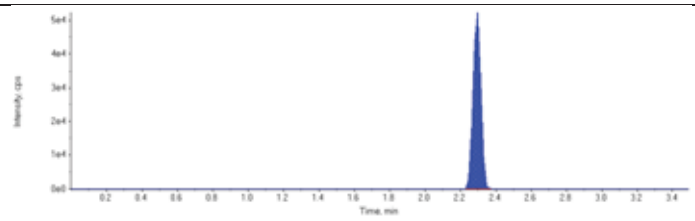
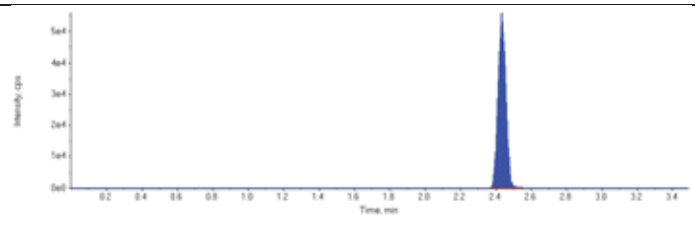
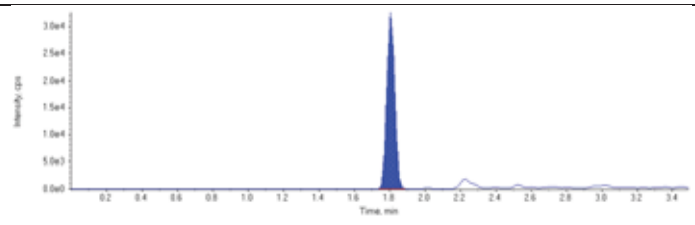
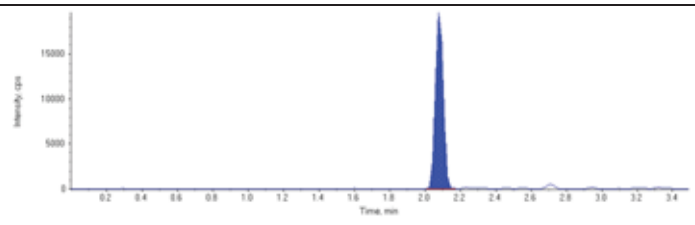
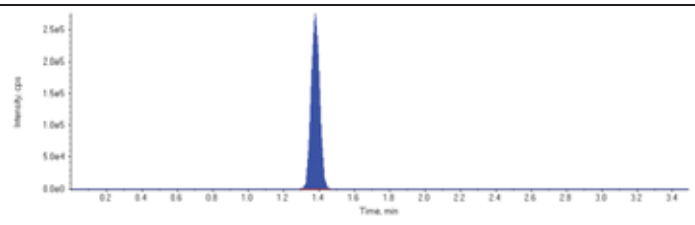
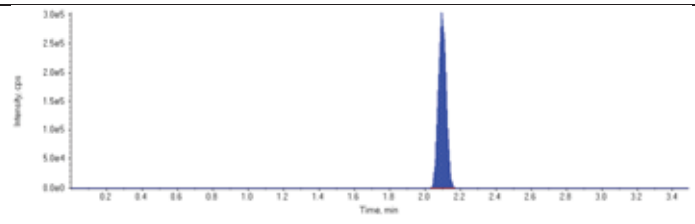
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.599 µg/L Area Ratio: 0.167 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.65 (1.67) min Calculated Conc: 0.526 µg/L Area Ratio: 0.00444 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 0.998 µg/L Area Ratio: 0.289 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 1.02 µg/L Area Ratio: 0.115 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 8.65 µg/L Area Ratio: 3.32 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 7.39 µg/L Area Ratio: 0.877 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.128 µg/L Area Ratio: 0.00411 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 0.00 (2.11) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.23 (2.37) min Calculated Conc: 0.0708 µg/L Area Ratio: 0.00161 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 9.24 µg/L Area Ratio: 1.99 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 9.34 µg/L Area Ratio: 1.38 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 0.310 µg/L Area Ratio: 0.0100 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 96.7 µg/L Area Ratio: 0.311 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 115. µg/L Area Ratio: 0.0990 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 108. µg/L Area Ratio: 0.358 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 99.0 µg/L Area Ratio: 0.273 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 96.3 µg/L Area Ratio: 0.122 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 103. µg/L Area Ratio: 0.302 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 91.1 µg/L Area Ratio: 0.283 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 82.8 µg/L Area Ratio: 0.191 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.29 (2.35) min Calculated Conc: 78.5 µg/L Area Ratio: 0.175 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.43 (2.49) min Calculated Conc: 75.0 µg/L Area Ratio: 0.183 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 95.9 µg/L Area Ratio: 0.115 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 104. µg/L Area Ratio: 0.0693 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 82.4 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 93.4 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

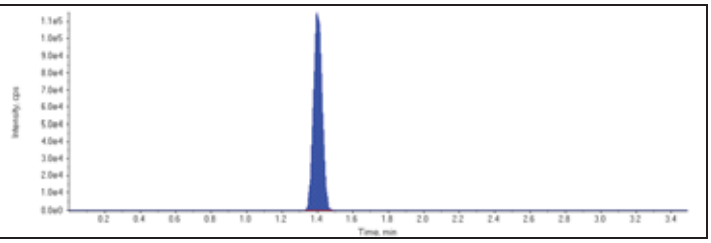
Sample ID	4988945~EJI408-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	22
Acquisition Date	2017/05/23 3:05:22 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reinjected to check for carryover		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	389000.	1.40	1.00	-
MPFHxS	113000.	1.66	1.00	-
MPFHpA	366000.	1.66	1.00	-
MPFOA	328000.	1.84	1.00	-
MPFOS	137000.	1.96	1.00	-
MPFNA	356000.	1.99	1.00	-
MPFDA	321000.	2.11	1.00	-
MPFUnA	225000.	2.21	1.00	-
MPFDoA	206000.	2.30	1.00	-
MPFTeDA	213000.	2.44	1.00	-
M2 6:2 FTS	123000.	1.81	1.00	-
M2 8:2 FTS	68300.	2.08	1.00	-
13C6-PFHxA IS	1250000.	1.39	4.17	-
13C9-PFDA IS	1250000.	2.10	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	382000	1.10	N/A	0.749	N/A
PFBS 2	206000	1.09	N/A	0.795	N/A
PFHxA 1	1520000	1.40	N/A	2.18	N/A
PFHxA 2	86400	1.40	N/A	2.12	N/A
PFHxS 1	2440000	1.66	N/A	5.97	N/A
PFHxS 2	742000	1.66	N/A	6.14	N/A
PFHpA 1	348000	1.66	N/A	0.599	N/A
PFHpA 2	7610	1.66	N/A	0.659	N/A
PFOA 1	469000	1.84	N/A	0.800	N/A
PFOA 2	200000	1.84	N/A	0.847	N/A
PFOS 1	2200000	1.95	N/A	8.27	N/A
PFOS 2	613000	1.96	N/A	7.43	N/A
PFNA 1	14100	1.99	N/A	0.0434	N/A
PFNA 2	4940	1.99	N/A	0.0503	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1090	2.12	N/A	0.0324	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	442	2.21	N/A	0.0166	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	340	2.43	N/A	0.0375	N/A
6:2-FTS 1	1420000	1.81	N/A	10.4	N/A
6:2-FTS 2	899000	1.81	N/A	9.75	N/A
8:2-FTS 1	15600	2.09	N/A	0.155	N/A
8:2-FTS 2	8490	2.08	N/A	0.211	N/A
13C2-PFHxA	389000	1.40	N/A	97.1	N/A
18O2-PFHxS	113000	1.66	N/A	105.	N/A
13C4-PFHpA	366000	1.66	N/A	89.0	N/A
13C4-PFOA	328000	1.84	N/A	95.7	N/A
13C4-PFOS	137000	1.96	N/A	86.5	N/A
13C5-PFNA	356000	1.99	N/A	97.6	N/A
13C2-PFDA	321000	2.11	N/A	83.1	N/A
13C2-PFUnA	225000	2.21	N/A	78.3	N/A
13C2-PFDoA	206000	2.30	N/A	74.1	N/A
13C2-PFTeDA	213000	2.44	N/A	70.2	N/A
13C2-6:2-FTS	123000	1.81	N/A	82.9	N/A
13C2-8:2 FTS	68300	2.08	N/A	82.4	N/A
13C6-PFHxA	1250000	1.39	N/A	23.4	N/A
13C9-PFDA	1250000	2.10	N/A	25.0	N/A

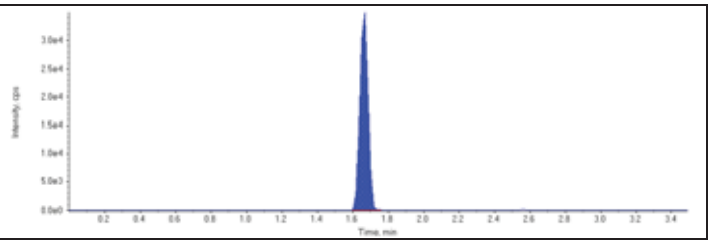
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



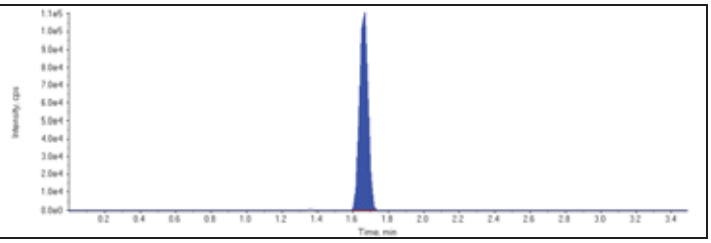
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



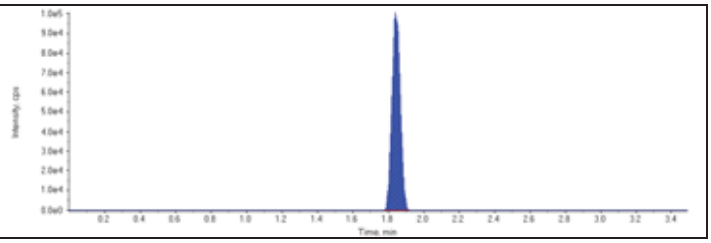
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



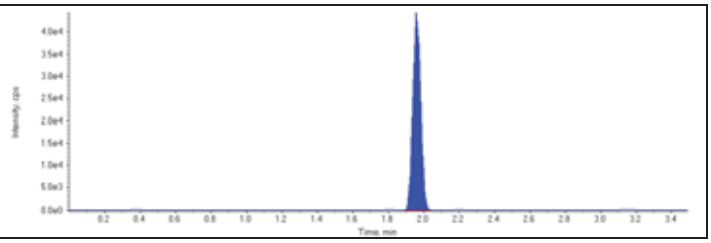
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



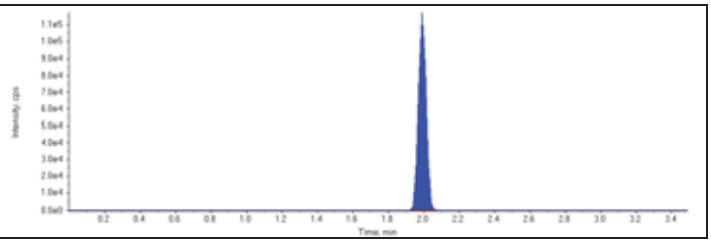
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



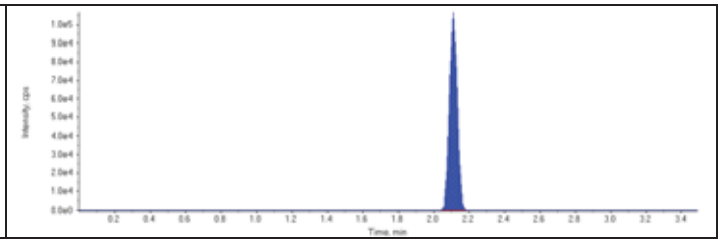
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



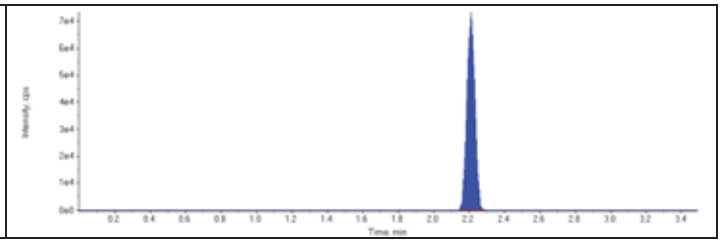
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



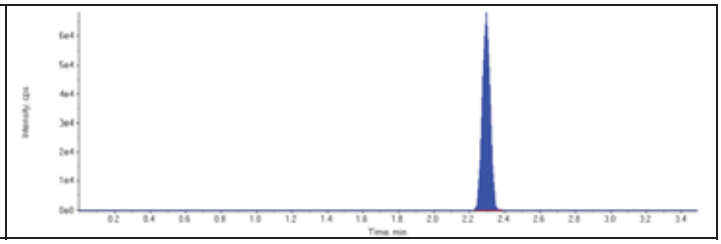
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



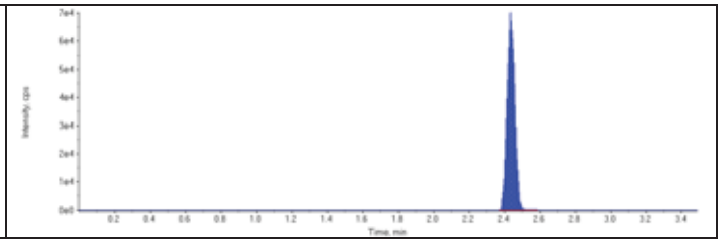
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



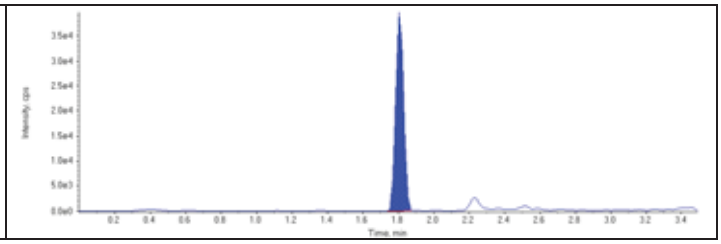
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



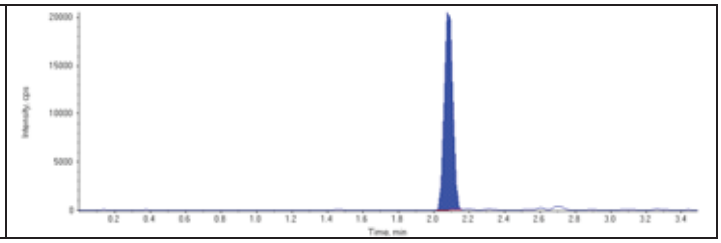
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



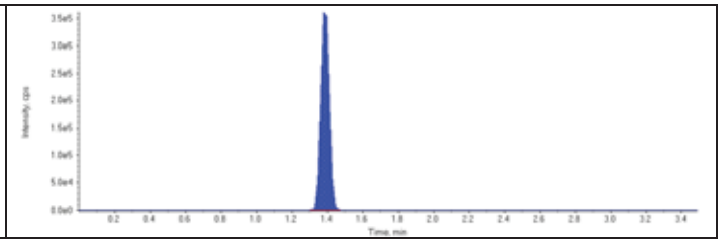
M2 8:2 FTS (Internal Standard)

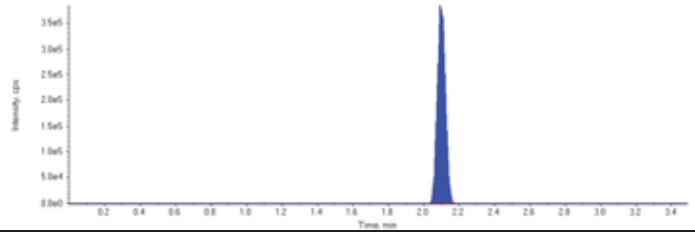
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

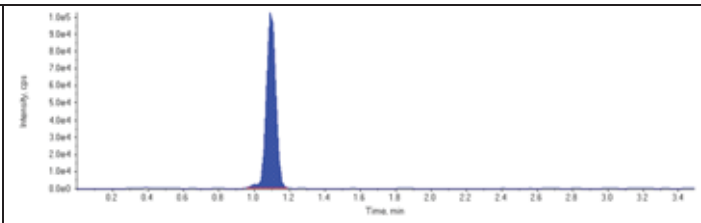
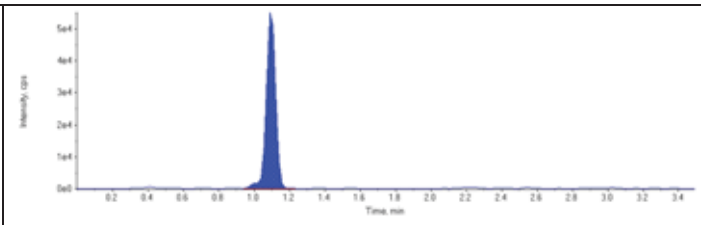
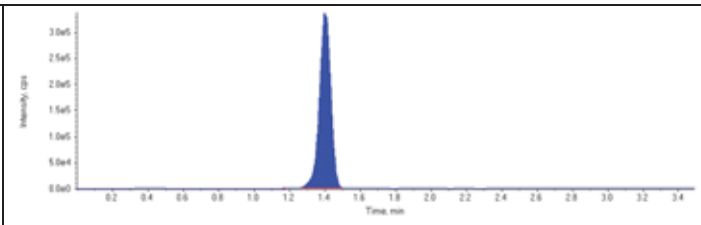
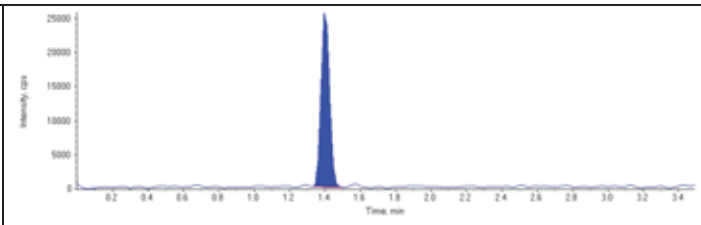
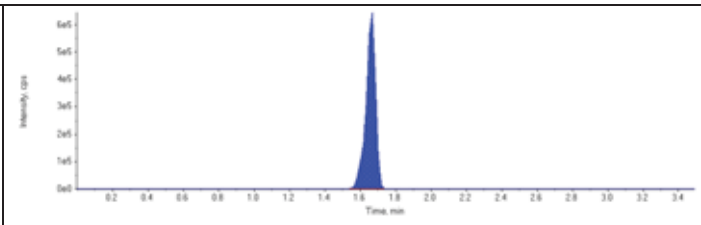
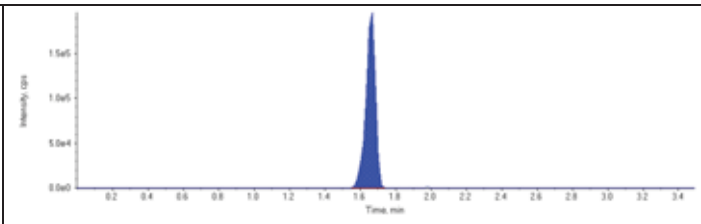


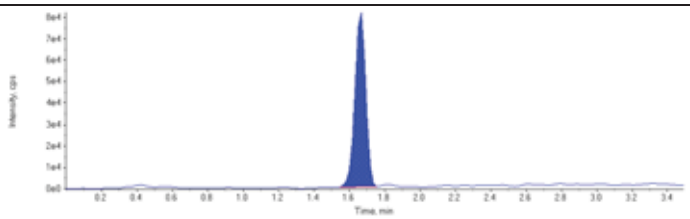
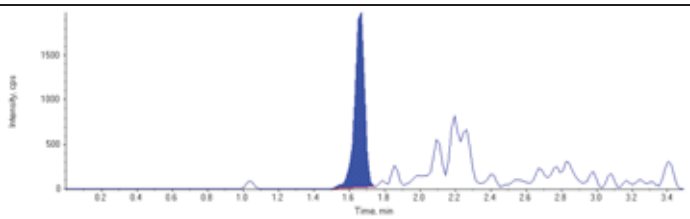
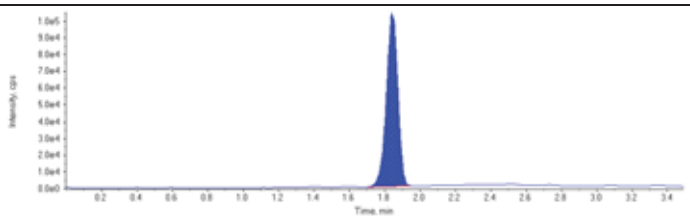
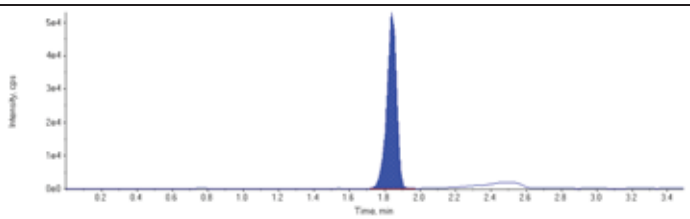
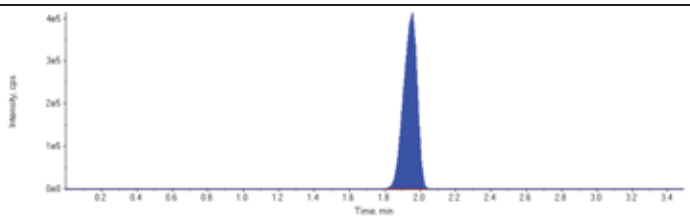
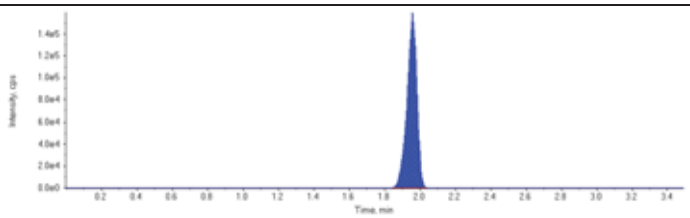
13C6-PFHxA IS (Internal Standard)

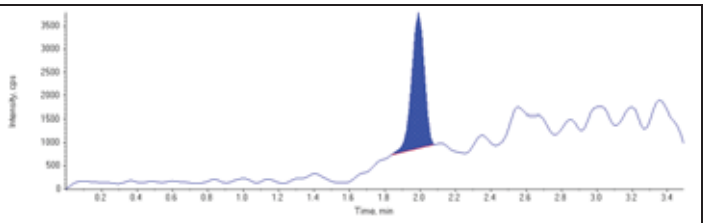
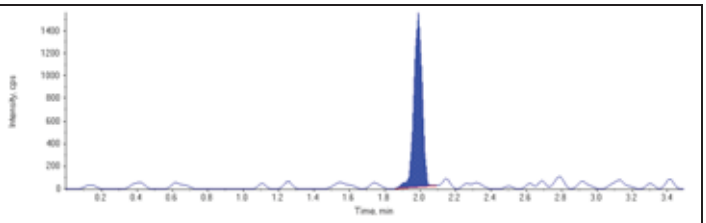
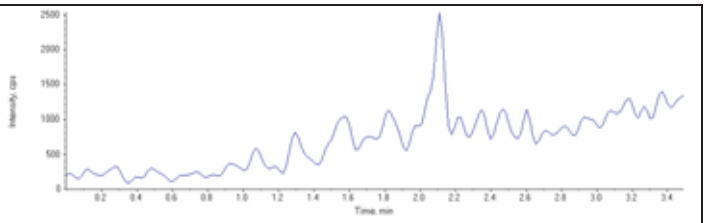
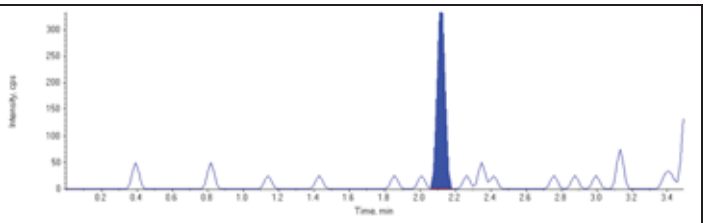
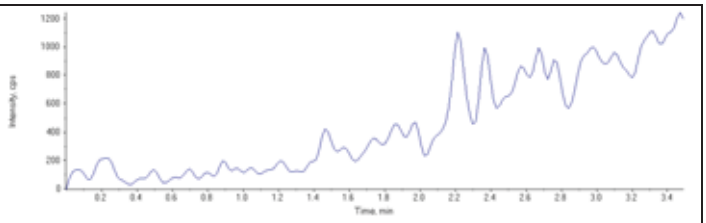
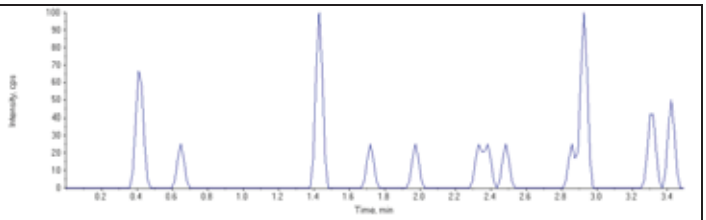
RT (Exp. RT): 1.39(1.40) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

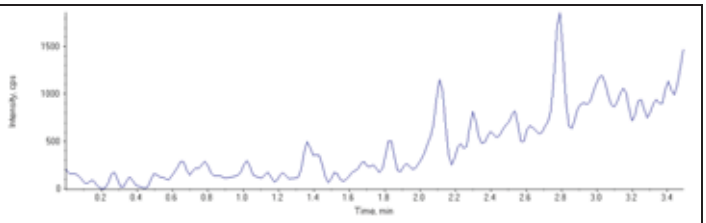
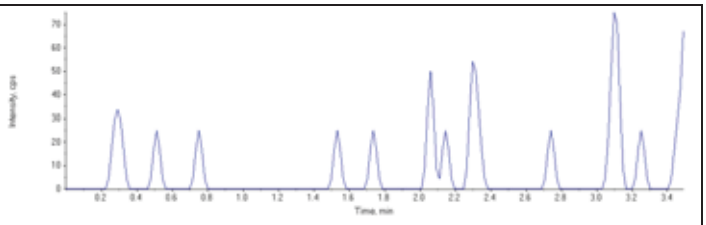
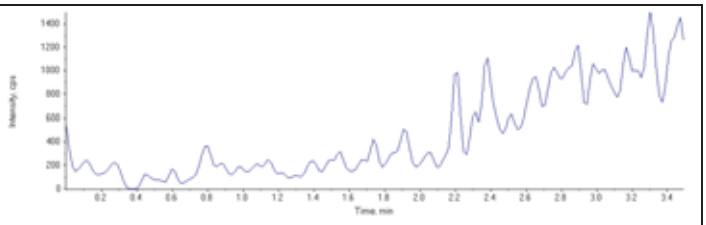
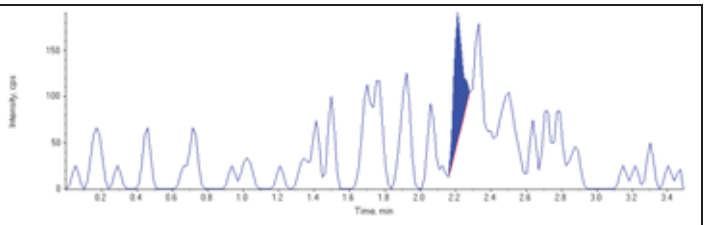
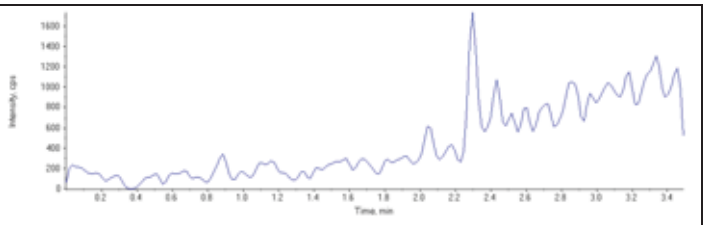
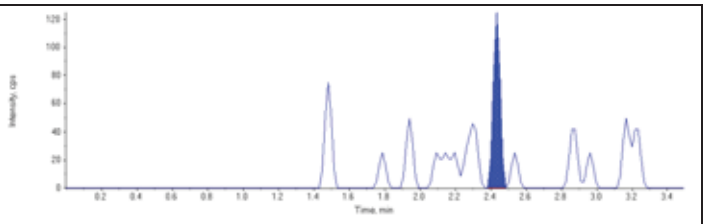


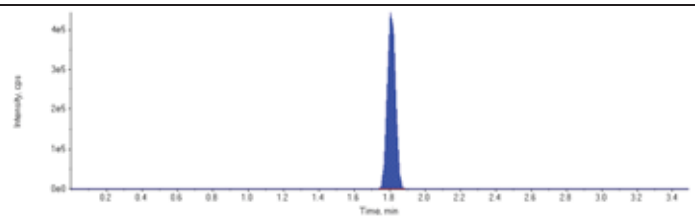
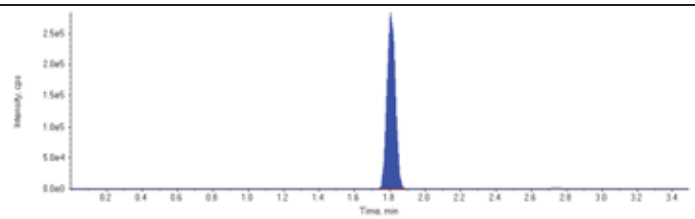
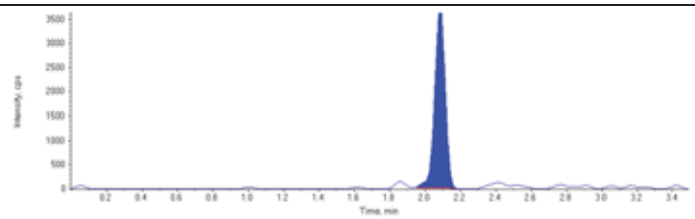
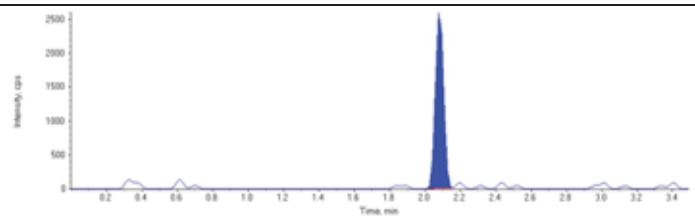
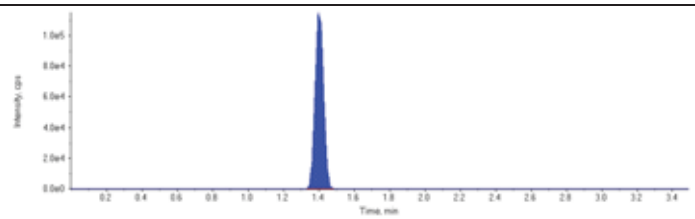
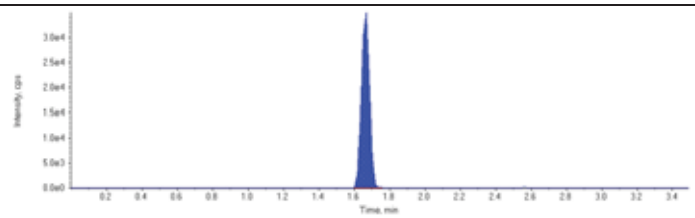
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

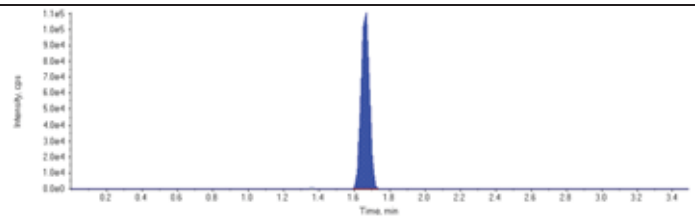
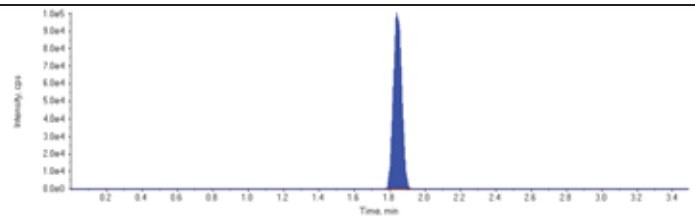
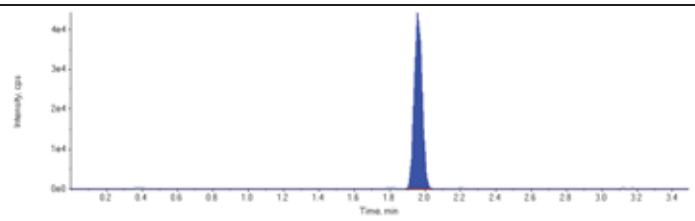
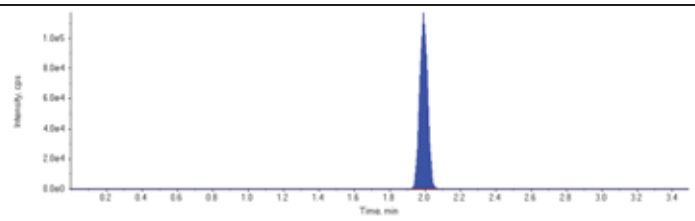
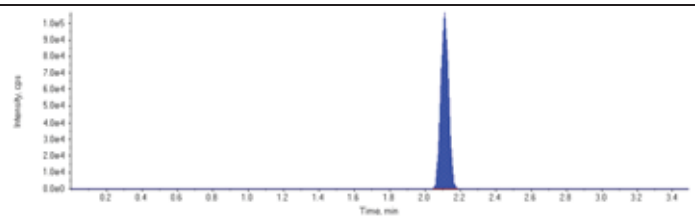
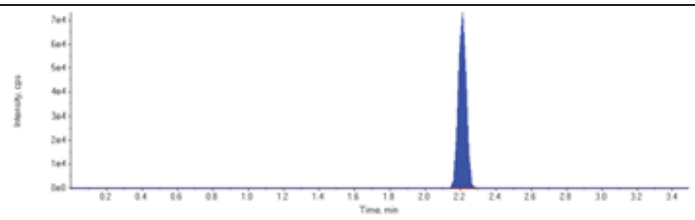
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 0.749 µg/L Area Ratio: 3.39 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.795 µg/L Area Ratio: 1.82 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 2.18 µg/L Area Ratio: 3.90 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 2.12 µg/L Area Ratio: 0.222 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 5.97 µg/L Area Ratio: 21.6 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 6.14 µg/L Area Ratio: 6.57 Sample Type: (Unknown)	

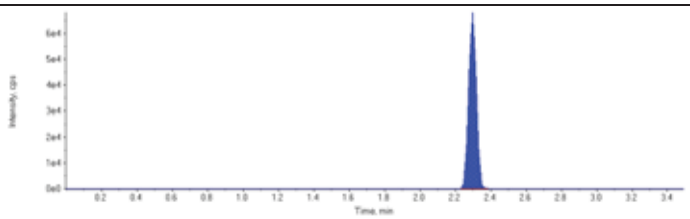
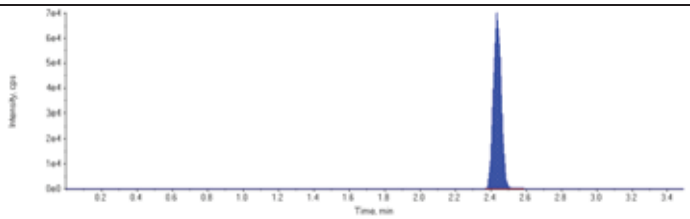
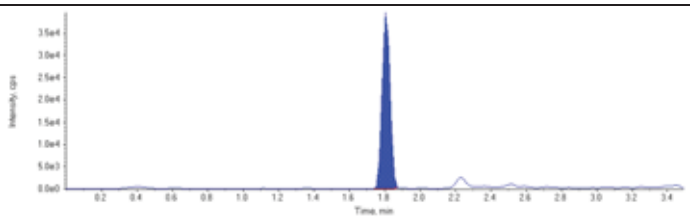
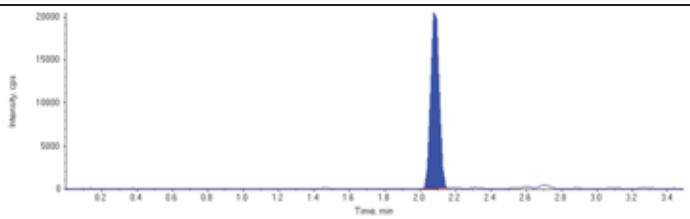
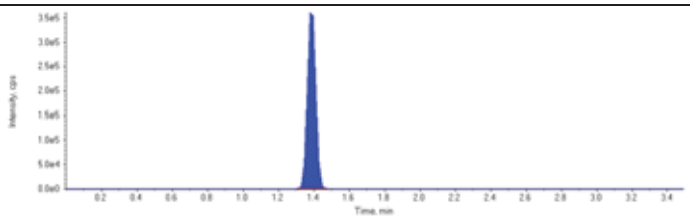
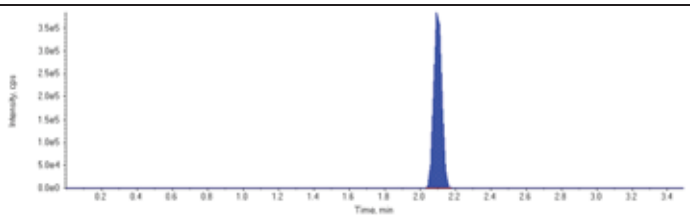
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.599 µg/L Area Ratio: 0.951 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.659 µg/L Area Ratio: 0.0208 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 0.800 µg/L Area Ratio: 1.43 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.847 µg/L Area Ratio: 0.612 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 8.27 µg/L Area Ratio: 16.1 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 7.43 µg/L Area Ratio: 4.49 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0434 µg/L Area Ratio: 0.0397 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0503 µg/L Area Ratio: 0.0139 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.11) min Calculated Conc: 0.0324 µg/L Area Ratio: 0.00339 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.21 (2.37) min Calculated Conc: 0.0166 µg/L Area Ratio: 0.00207 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 2.43 (2.49) min Calculated Conc: 0.0375 µg/L Area Ratio: 0.00159 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 10.4 µg/L Area Ratio: 11.6 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 9.75 µg/L Area Ratio: 7.30 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 0.155 µg/L Area Ratio: 0.229 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 0.211 µg/L Area Ratio: 0.124 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 97.1 µg/L Area Ratio: 0.312 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 105. µg/L Area Ratio: 0.0906 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 89.0 µg/L Area Ratio: 0.294 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 95.7 µg/L Area Ratio: 0.263 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 86.5 µg/L Area Ratio: 0.110 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 97.6 µg/L Area Ratio: 0.286 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 83.1 µg/L Area Ratio: 0.257 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 78.3 µg/L Area Ratio: 0.180 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 74.1 µg/L Area Ratio: 0.165 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 70.2 µg/L Area Ratio: 0.171 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 82.9 µg/L Area Ratio: 0.0989 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 82.4 µg/L Area Ratio: 0.0548 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 23.4 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 25.0 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

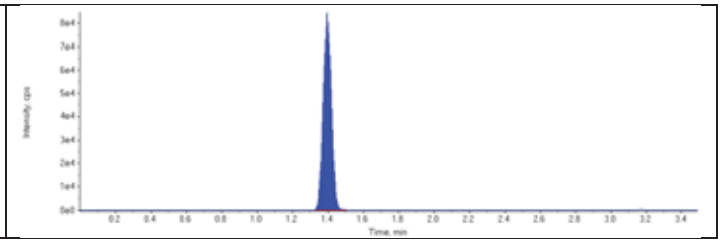
Sample ID	4988945~EJI408-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	22
Acquisition Date	2017/05/24 8:35:39 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reinjection, reported for all, except 6:2-FTS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	270000.	1.40	1.00	-
MPFHxS	78500.	1.66	1.00	-
MPFHpA	282000.	1.66	1.00	-
MPFOA	266000.	1.84	1.00	-
MPFOS	108000.	1.96	1.00	-
MPFNA	276000.	1.99	1.00	-
MPFDA	257000.	2.11	1.00	-
MPFUnA	177000.	2.21	1.00	-
MPFDoA	162000.	2.29	1.00	-
MPFTeDA	145000.	2.43	1.00	-
M2 6:2 FTS	111000.	1.80	1.00	-
M2 8:2 FTS	54500.	2.08	1.00	-
13C6-PFHxA IS	891000.	1.38	4.17	-
13C9-PFDA IS	986000.	2.10	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	274000	1.09	N/A	0.770	N/A
PFBS 2	171000	1.09	N/A	0.942	N/A
PFHxA 1	1050000	1.40	N/A	2.18	N/A
PFHxA 2	67600	1.40	N/A	2.39	N/A
PFHxS 1	2080000	1.66	N/A	7.34	N/A
PFHxS 2	605000	1.66	N/A	7.20	N/A
PFHpA 1	233000	1.66	N/A	0.524	N/A
PFHpA 2	4720	1.65	N/A	0.523	N/A
PFOA 1	392000	1.84	N/A	0.825	N/A
PFOA 2	158000	1.84	N/A	0.826	N/A
PFOS 1	1760000	1.95	N/A	8.36	N/A
PFOS 2	479000	1.95	N/A	7.34	N/A
PFNA 1	10200	1.99	N/A	0.0416	N/A
PFNA 2	4020	1.99	N/A	0.0520	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	724	2.08	N/A	0.0307	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	1260	2.15	N/A	0.0512	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	964000	1.81	N/A	7.87	N/A
6:2-FTS 2	715000	1.80	N/A	8.61	N/A
8:2-FTS 1	16000	2.08	N/A	0.186	N/A
8:2-FTS 2	6130	2.08	N/A	0.196	N/A
13C2-PFHxA	270000	1.40	N/A	94.2	N/A
18O2-PFHxS	78500	1.66	N/A	102.	N/A
13C4-PFHpA	282000	1.66	N/A	95.6	N/A
13C4-PFOA	266000	1.84	N/A	108.	N/A
13C4-PFOS	108000	1.96	N/A	95.6	N/A
13C5-PFNA	276000	1.99	N/A	106.	N/A
13C2-PFDA	257000	2.11	N/A	84.2	N/A
13C2-PFUnA	177000	2.21	N/A	77.9	N/A
13C2-PFDoA	162000	2.29	N/A	73.6	N/A
13C2-PFTeDA	145000	2.43	N/A	60.5	N/A
13C2-6:2-FTS	111000	1.80	N/A	104.	N/A
13C2-8:2 FTS	54500	2.08	N/A	91.9	N/A
13C6-PFHxA	891000	1.38	N/A	16.7	N/A
13C9-PFDA	986000	2.10	N/A	19.8	N/A

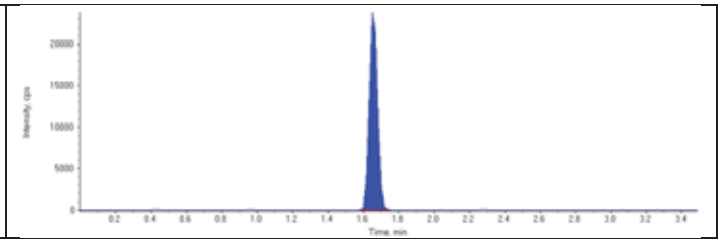
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



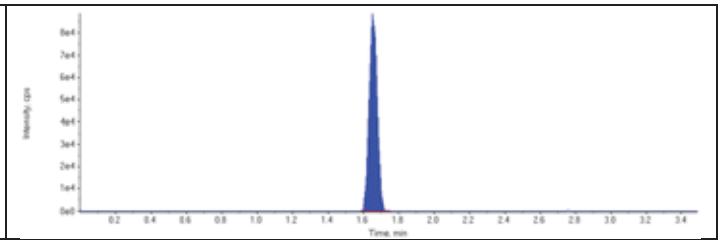
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



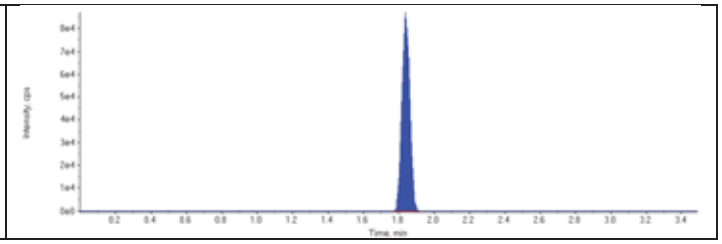
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



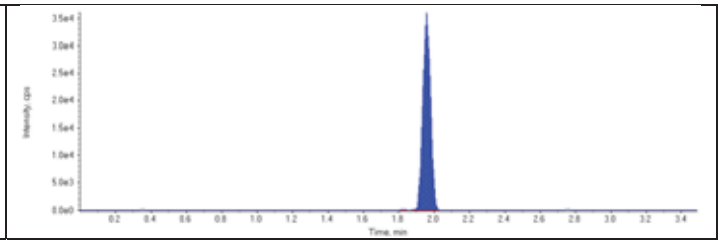
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



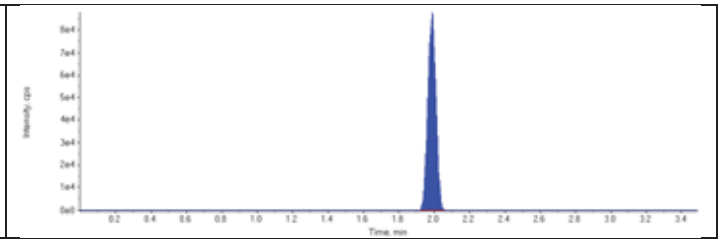
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



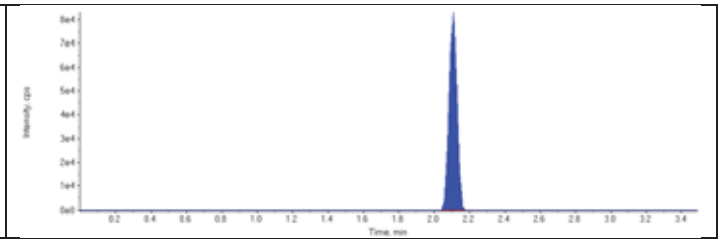
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



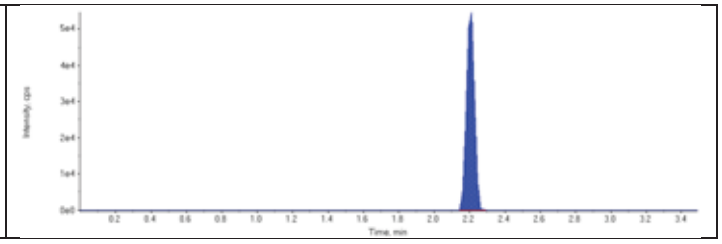
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



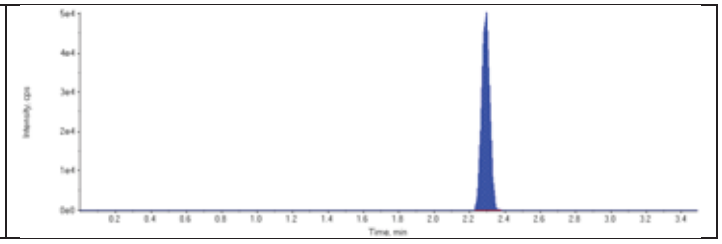
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



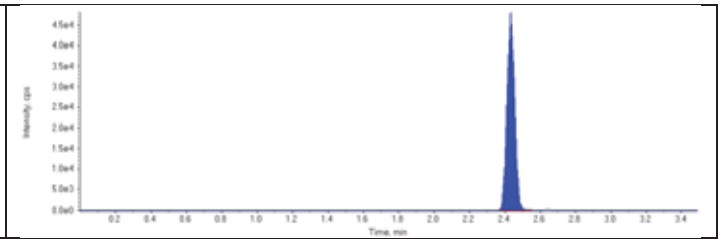
MPFDoA (Internal Standard)

RT (Exp. RT): 2.29(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



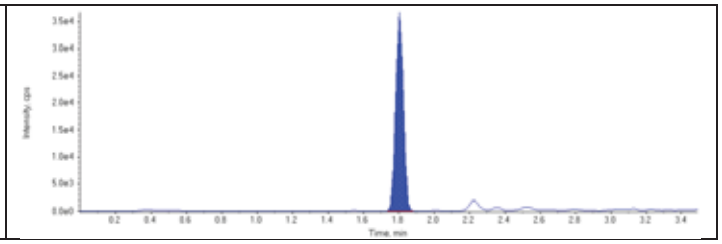
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.43(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



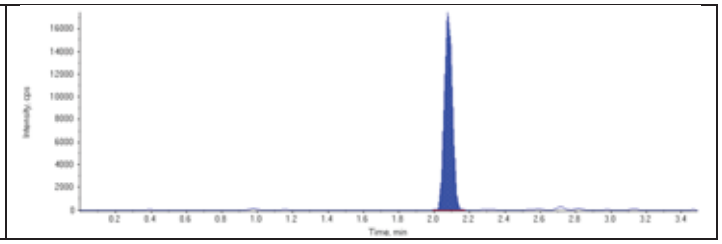
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.80(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



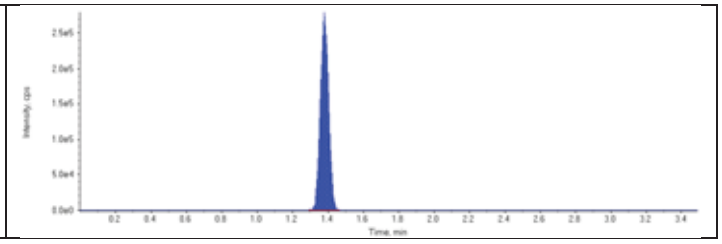
M2 8:2 FTS (Internal Standard)

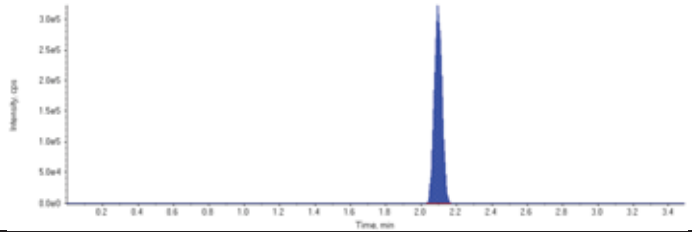
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

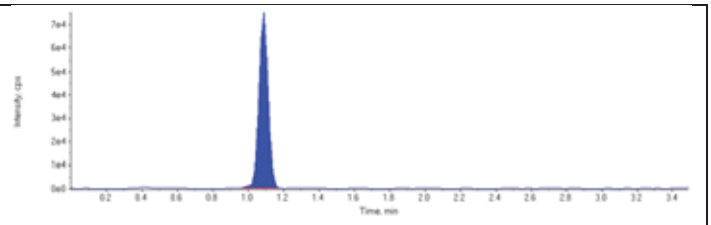
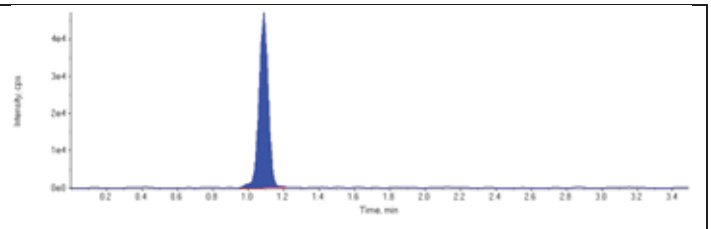
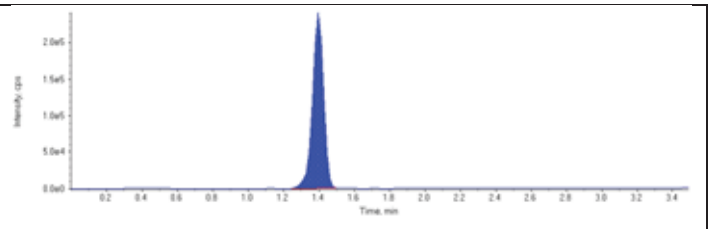
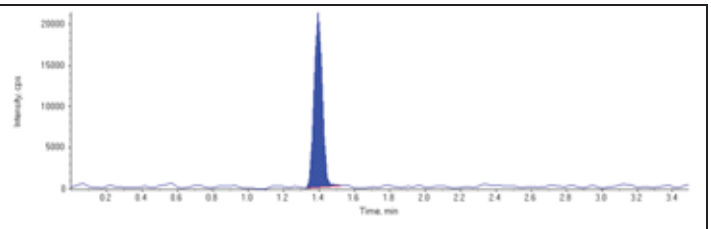
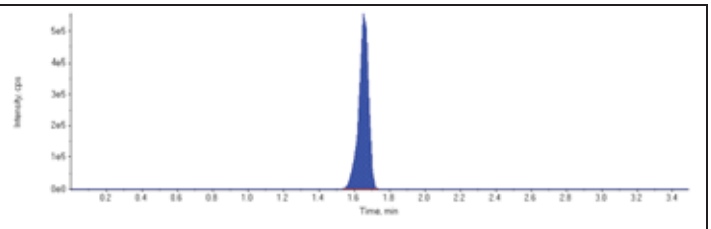
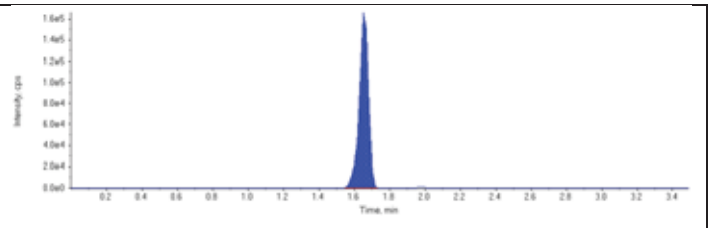


13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.38(1.40) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.770 µg/L Area Ratio: 3.49 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.942 µg/L Area Ratio: 2.18 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 2.18 µg/L Area Ratio: 3.90 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 2.39 µg/L Area Ratio: 0.251 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 7.34 µg/L Area Ratio: 26.6 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 7.20 µg/L Area Ratio: 7.71 Sample Type: (Unknown)	

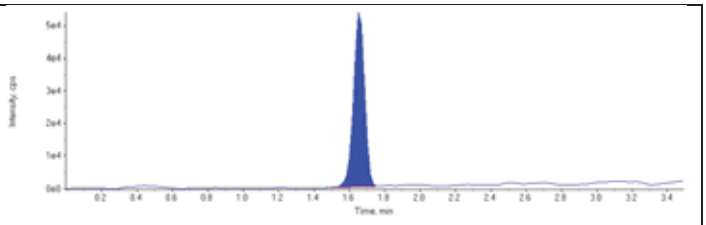
PFHpA 1 (363.000/319.000 Da)

RT (Exp. RT): 1.66 (1.67) min

Calculated Conc: 0.524 µg/L

Area Ratio: 0.827

Sample Type: (Unknown)



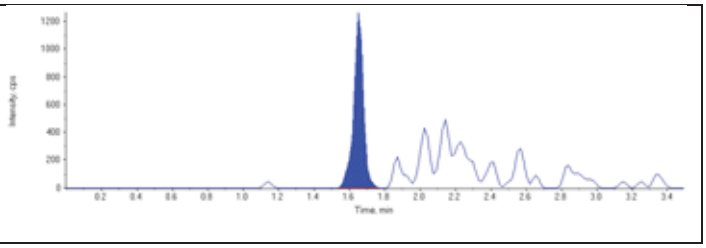
PFHpA 2 (363.000/169.200 Da)

RT (Exp. RT): 1.65 (1.67) min

Calculated Conc: 0.523 µg/L

Area Ratio: 0.0168

Sample Type: (Unknown)



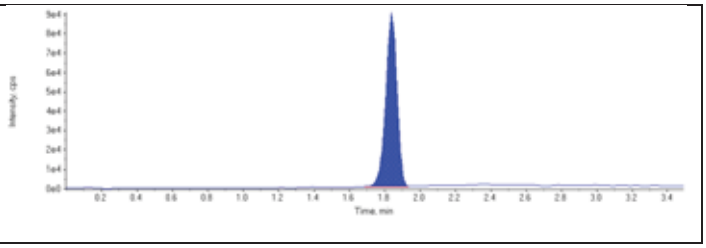
PFOA 1 (413.100/369.000 Da)

RT (Exp. RT): 1.84 (1.85) min

Calculated Conc: 0.825 µg/L

Area Ratio: 1.48

Sample Type: (Unknown)



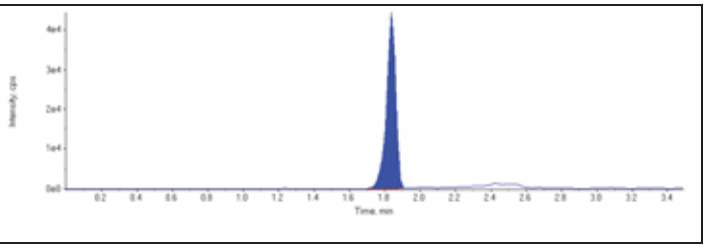
PFOA 2 (413.100/169.000 Da)

RT (Exp. RT): 1.84 (1.84) min

Calculated Conc: 0.826 µg/L

Area Ratio: 0.596

Sample Type: (Unknown)



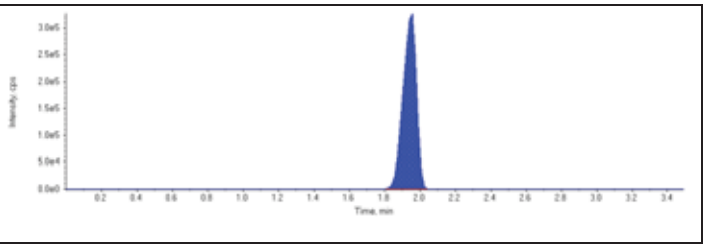
PFOS 1 (498.900/79.900 Da)

RT (Exp. RT): 1.95 (1.96) min

Calculated Conc: 8.36 µg/L

Area Ratio: 16.2

Sample Type: (Unknown)



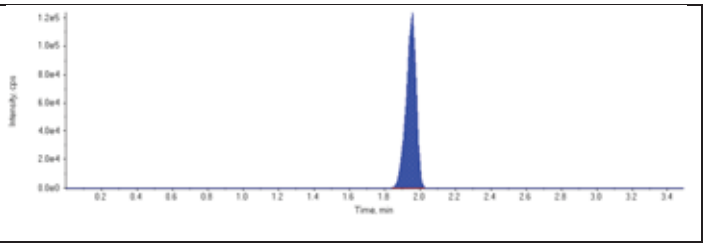
PFOS 2 (498.900/98.900 Da)

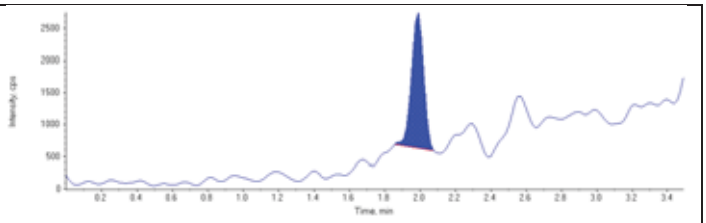
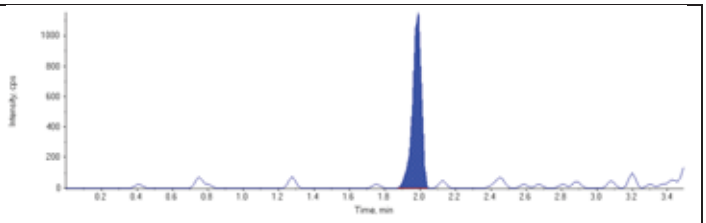
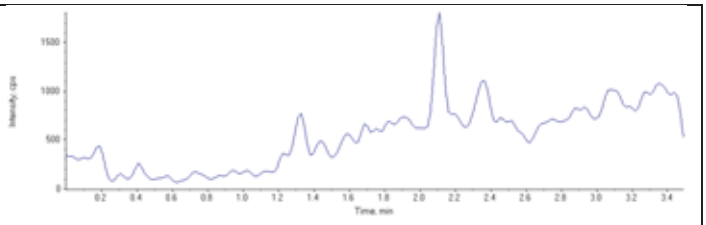
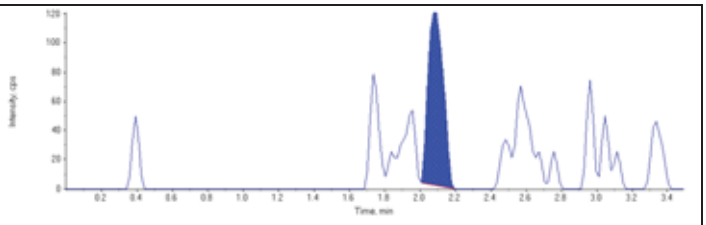
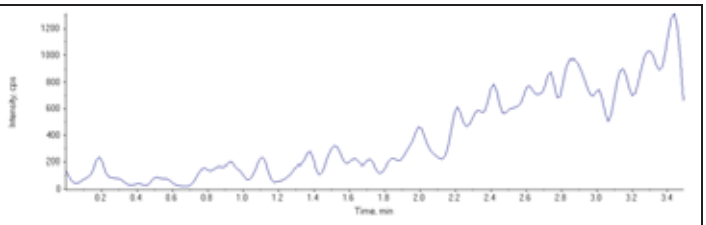
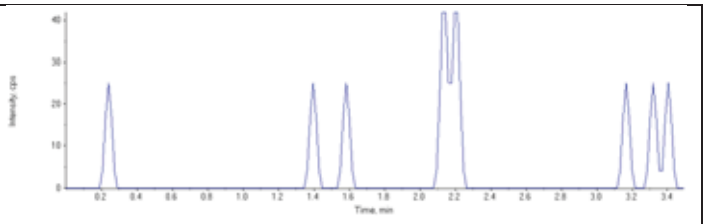
RT (Exp. RT): 1.95 (1.96) min

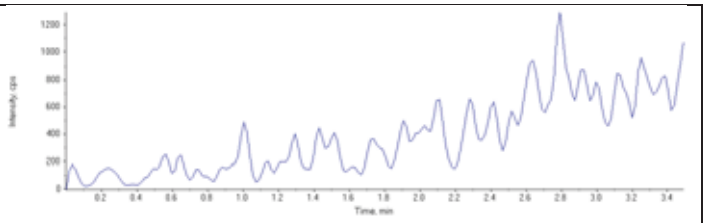
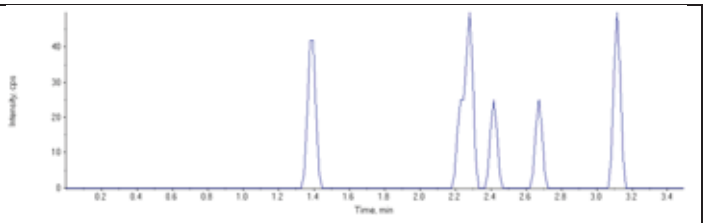
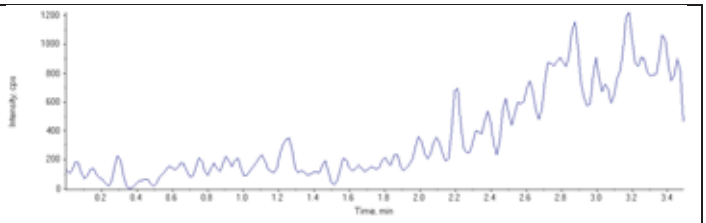
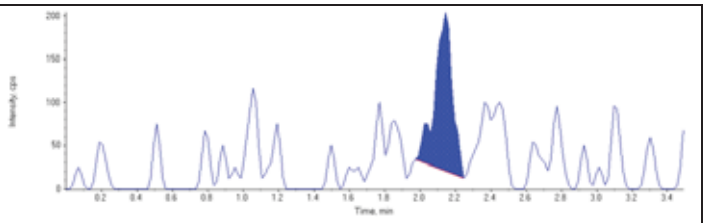
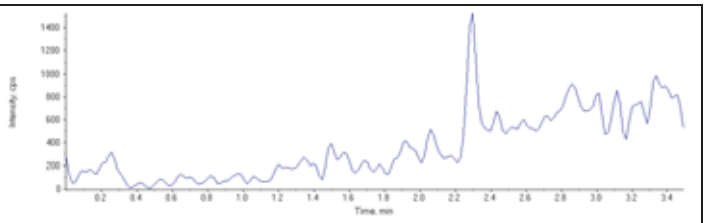
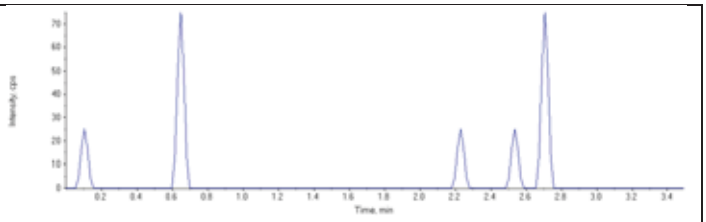
Calculated Conc: 7.34 µg/L

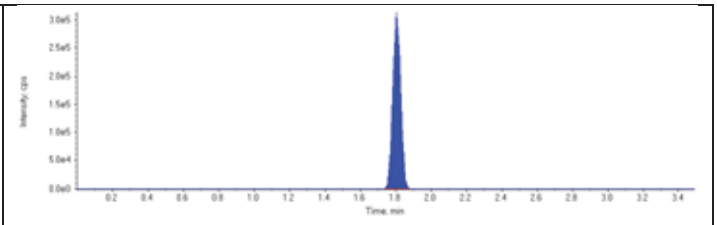
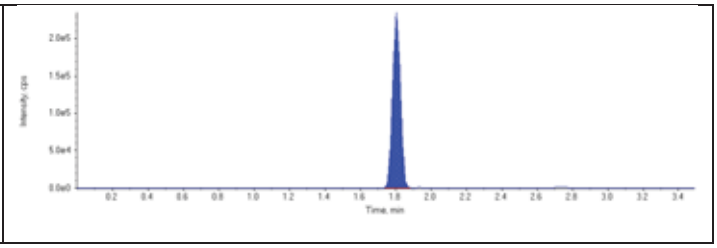
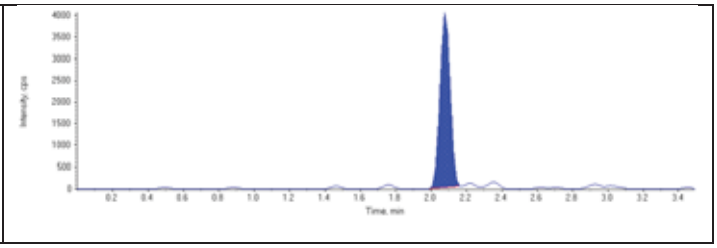
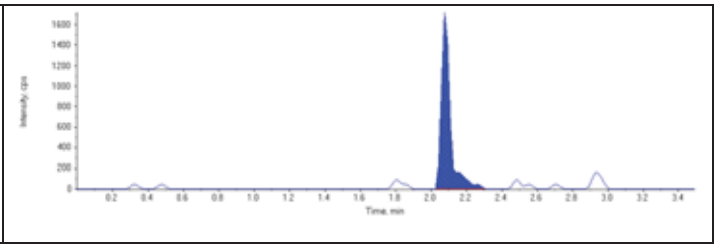
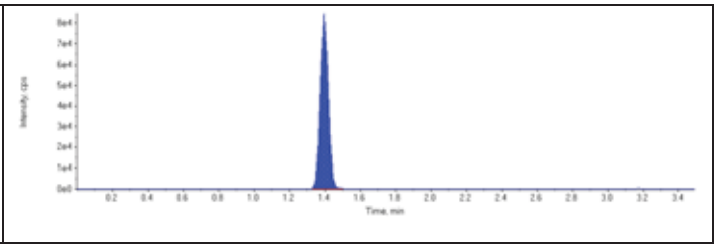
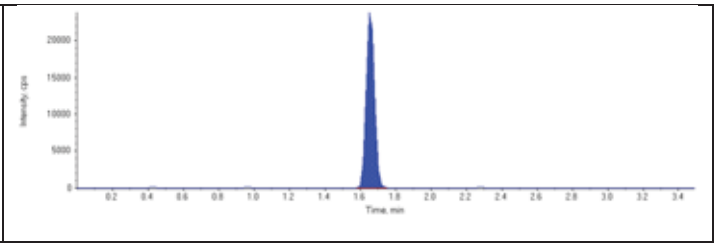
Area Ratio: 4.43

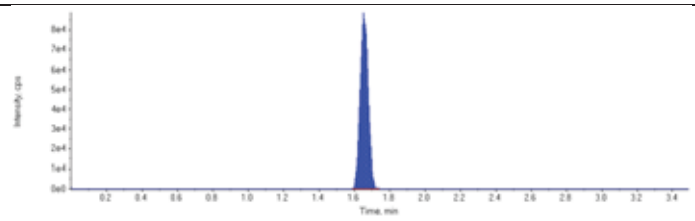
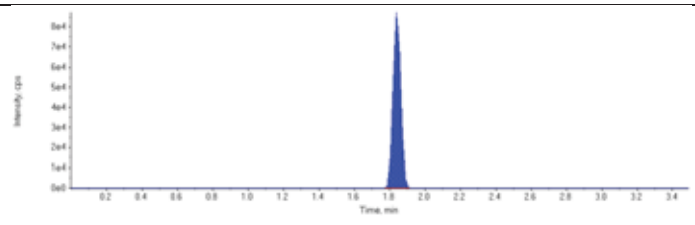
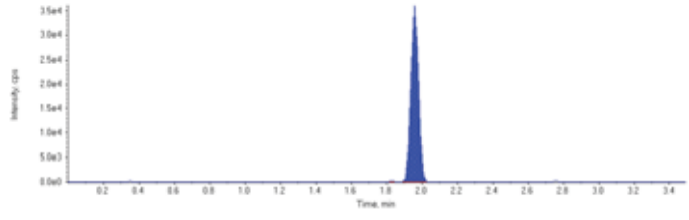
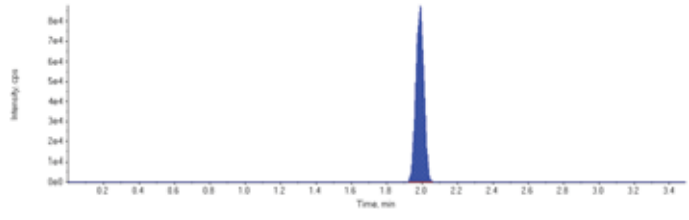
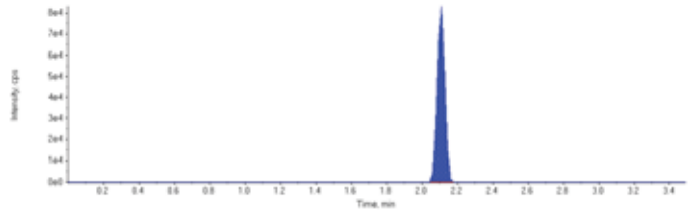
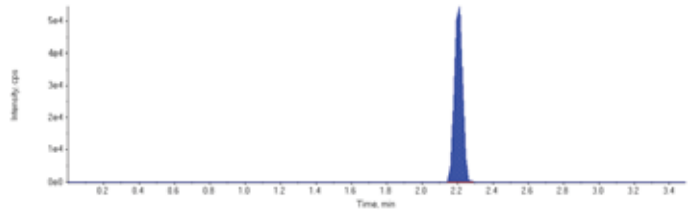
Sample Type: (Unknown)

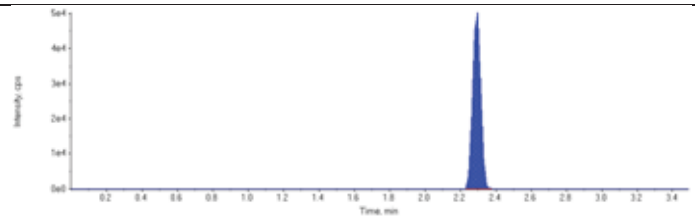
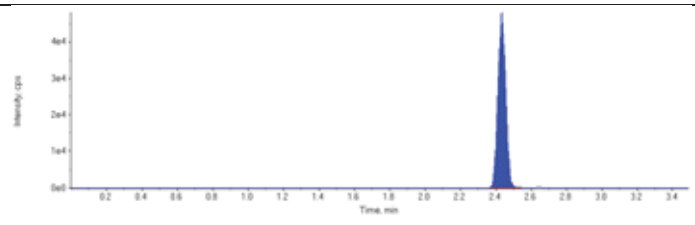
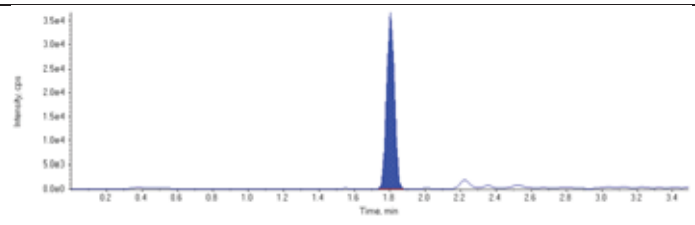
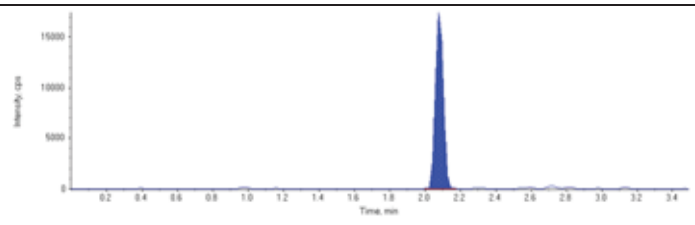
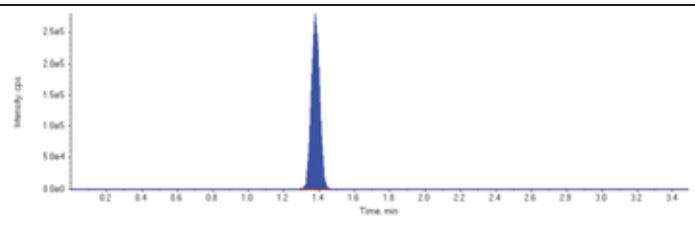
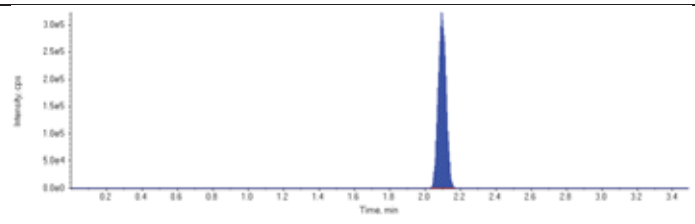


PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0416 µg/L Area Ratio: 0.0369 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0520 µg/L Area Ratio: 0.0146 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.08 (2.11) min Calculated Conc: 0.0307 µg/L Area Ratio: 0.00281 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.15 (2.37) min Calculated Conc: 0.0512 µg/L Area Ratio: 0.00864 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 7.87 µg/L Area Ratio: 8.70 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.80 (1.80) min Calculated Conc: 8.61 µg/L Area Ratio: 6.45 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.08 (2.16) min Calculated Conc: 0.186 µg/L Area Ratio: 0.294 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 0.196 µg/L Area Ratio: 0.112 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 94.2 µg/L Area Ratio: 0.303 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 102. µg/L Area Ratio: 0.0881 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 95.6 µg/L Area Ratio: 0.316 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 108. µg/L Area Ratio: 0.298 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 95.6 µg/L Area Ratio: 0.121 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 106. µg/L Area Ratio: 0.309 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 84.2 µg/L Area Ratio: 0.261 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 77.9 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.29 (2.35) min Calculated Conc: 73.6 µg/L Area Ratio: 0.164 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.43 (2.49) min Calculated Conc: 60.5 µg/L Area Ratio: 0.147 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.80 (1.80) min Calculated Conc: 104. µg/L Area Ratio: 0.124 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 91.9 µg/L Area Ratio: 0.0612 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 16.7 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 19.8 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

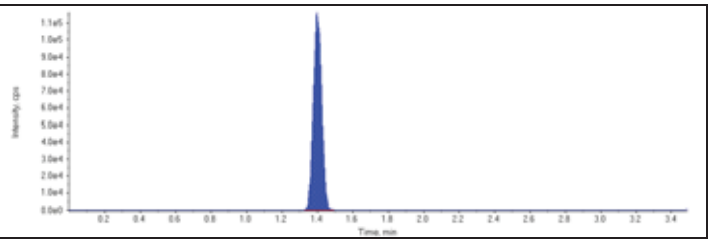
Sample ID	4988945~EJI409-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	23
Acquisition Date	2017/05/23 3:30:42 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for PFOA only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	380000.	1.40	1.00	-
MPFHxS	117000.	1.66	1.00	-
MPFHpA	372000.	1.66	1.00	-
MPFOA	365000.	1.84	1.00	-
MPFOS	148000.	1.96	1.00	-
MPFNA	357000.	1.99	1.00	-
MPFDA	365000.	2.11	1.00	-
MPFUnA	213000.	2.21	1.00	-
MPFDoA	228000.	2.30	1.00	-
MPFTeDA	247000.	2.44	1.00	-
M2 6:2 FTS	140000.	1.81	1.00	-
M2 8:2 FTS	89000.	2.08	1.00	-
13C6-PFHxA IS	1370000.	1.38	4.17	-
13C9-PFDA IS	1370000.	2.10	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	287	1.26	N/A	0.0408	N/A
PFHxA 1	292000	1.40	N/A	0.462	N/A
PFHxA 2	20100	1.40	N/A	0.519	N/A
PFHxS 1	4520	1.66	N/A	0.0401	N/A
PFHxS 2	511	1.65	N/A	0.0373	N/A
PFHpA 1	646000	1.66	N/A	1.08	N/A
PFHpA 2	10400	1.66	N/A	0.901	N/A
PFOA 1	989000	1.85	N/A	1.47	N/A
PFOA 2	362000	1.84	N/A	1.34	N/A
PFOS 1	9330	1.96	N/A	0.0587	N/A
PFOS 2	2080	1.96	N/A	0.0572	N/A
PFNA 1	171000	1.99	N/A	0.337	N/A
PFNA 2	52100	1.99	N/A	0.385	N/A
PFDA 1	58400	2.11	N/A	0.115	N/A
PFDA 2	10600	2.11	N/A	0.109	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	366	2.37	N/A	0.0135	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	1910	1.81	N/A	0.0465	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C2-PFHxA	380000	1.40	N/A	86.5	N/A
18O2-PFHxS	117000	1.66	N/A	99.4	N/A
13C4-PFHpA	372000	1.66	N/A	82.4	N/A
13C4-PFOA	365000	1.84	N/A	97.1	N/A
13C4-PFOS	148000	1.96	N/A	85.5	N/A
13C5-PFNA	357000	1.99	N/A	89.1	N/A
13C2-PFDA	365000	2.11	N/A	86.1	N/A
13C2-PFUnA	213000	2.21	N/A	67.7	N/A
13C2-PFDoA	228000	2.30	N/A	75.0	N/A
13C2-PFTeDA	247000	2.44	N/A	73.9	N/A
13C2-6:2-FTS	140000	1.81	N/A	85.9	N/A
13C2-8:2 FTS	89000	2.08	N/A	97.7	N/A
13C6-PFHxA	1370000	1.38	N/A	25.7	N/A
13C9-PFDA	1370000	2.10	N/A	27.5	N/A

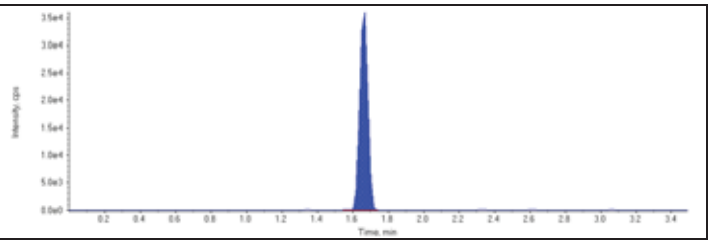
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



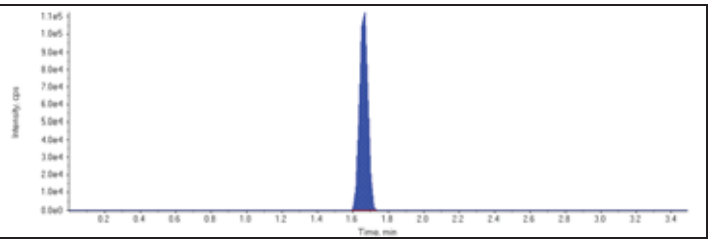
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



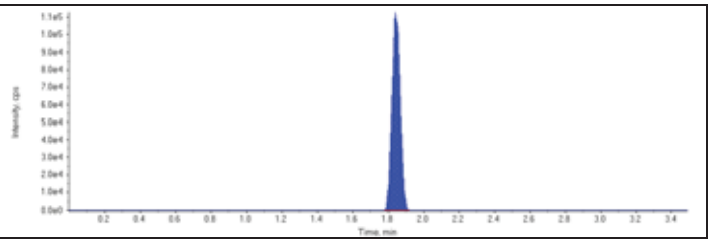
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



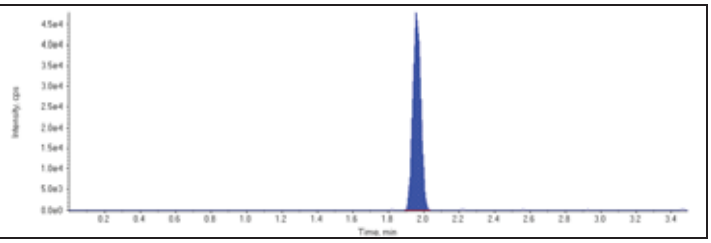
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



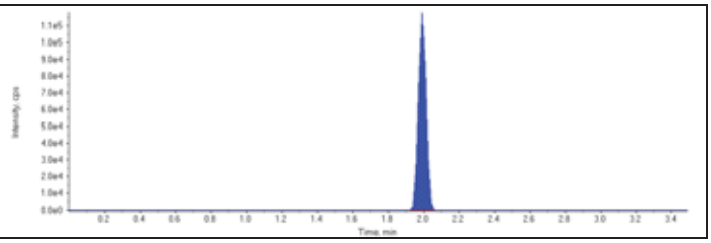
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



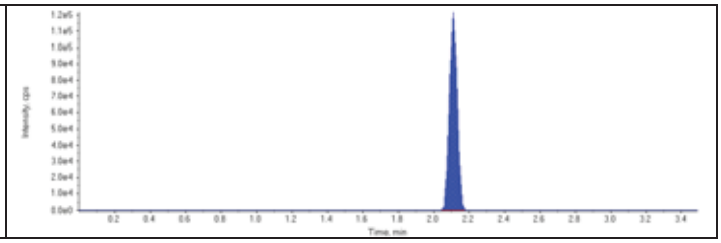
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



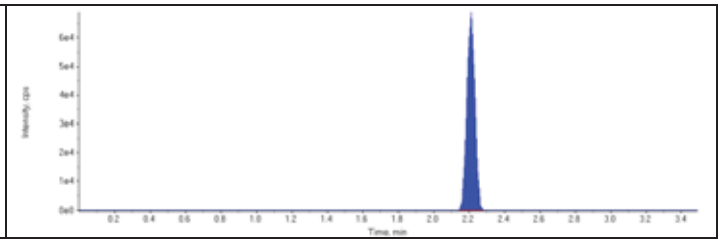
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



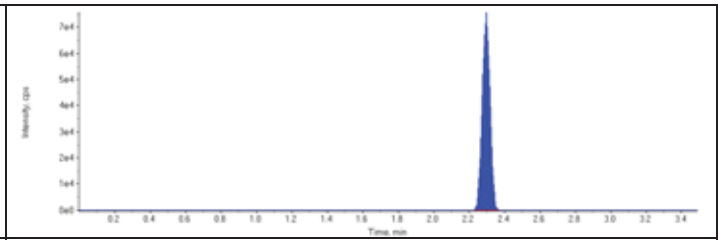
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



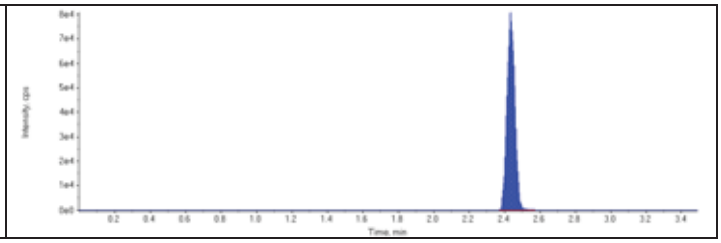
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



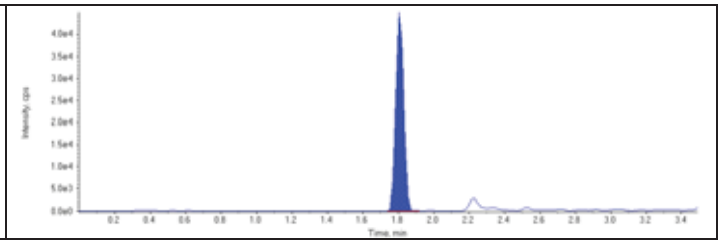
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



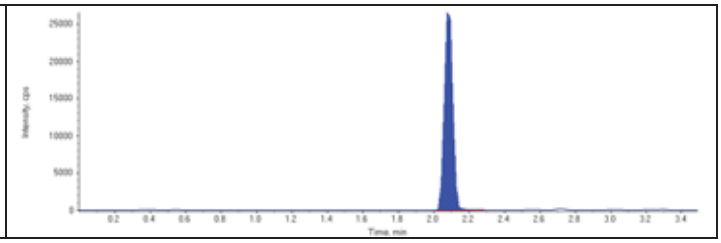
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



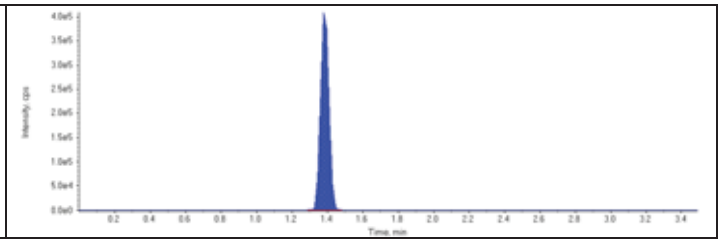
M2 8:2 FTS (Internal Standard)

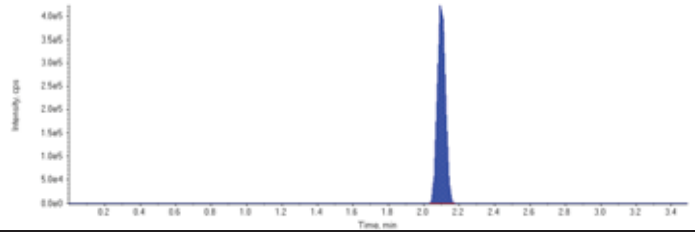
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

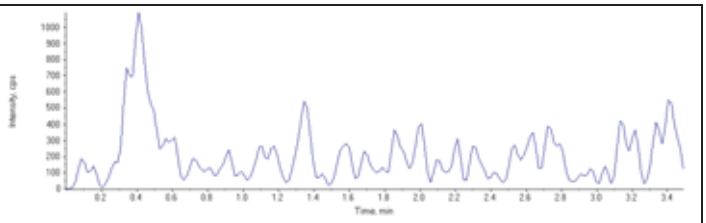
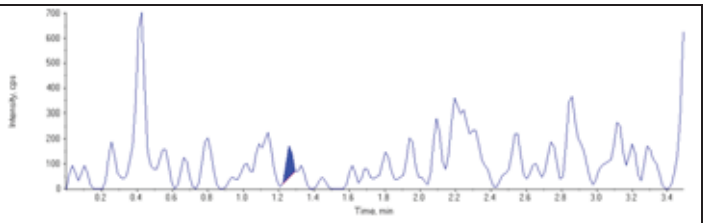
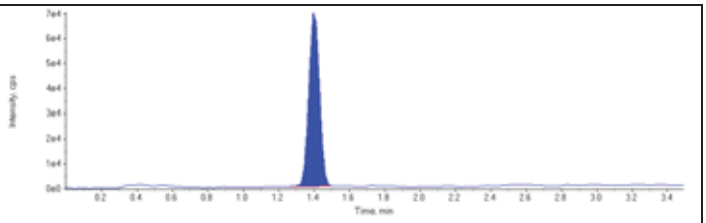
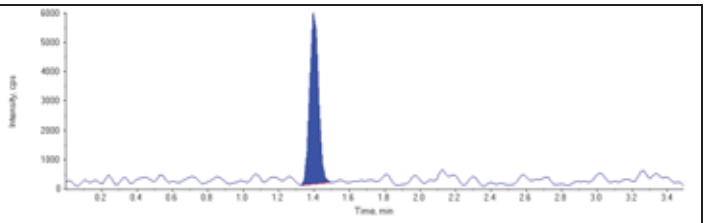
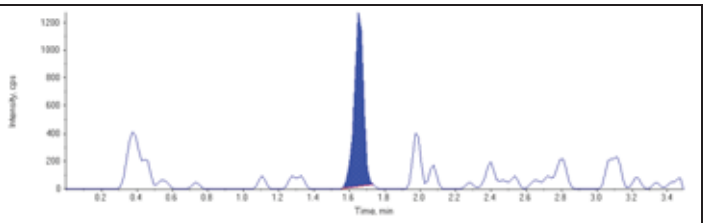
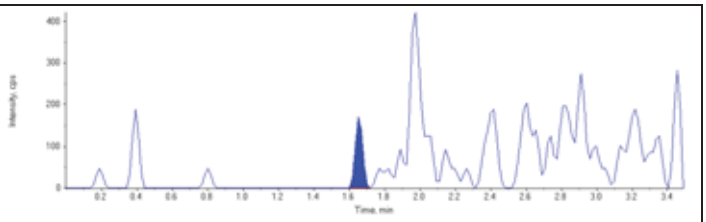


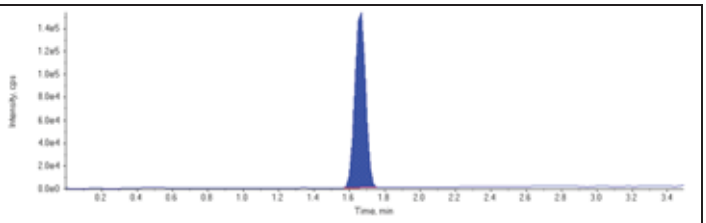
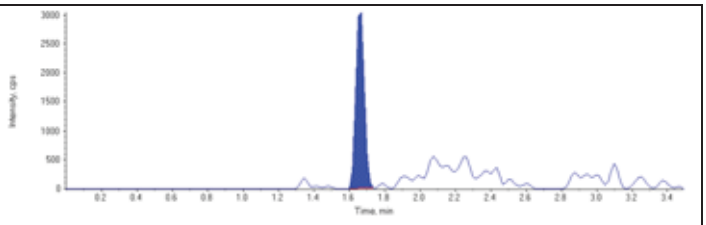
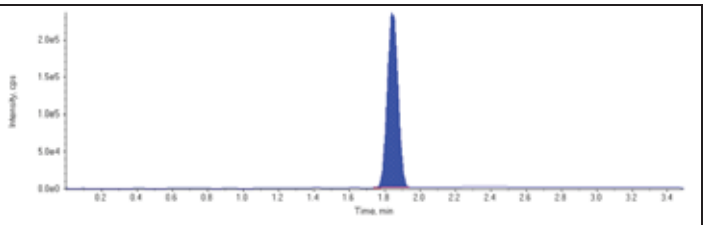
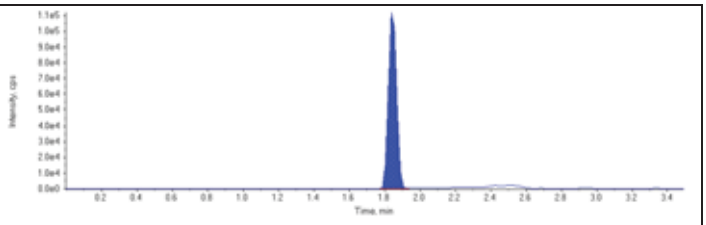
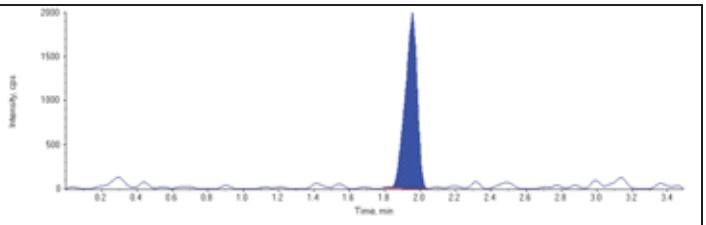
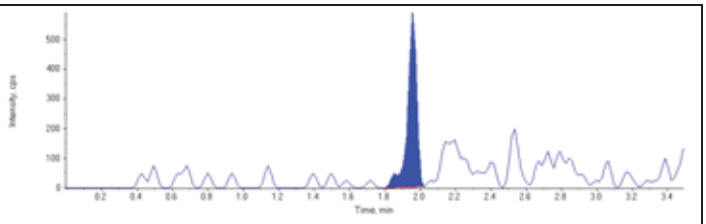
13C6-PFHxA IS (Internal Standard)

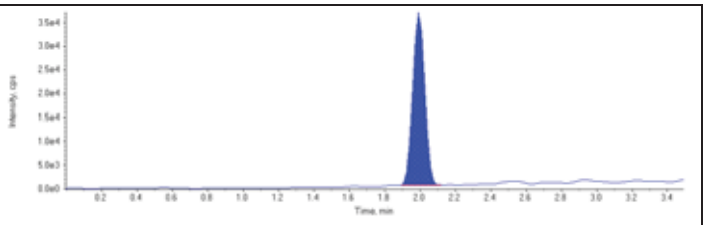
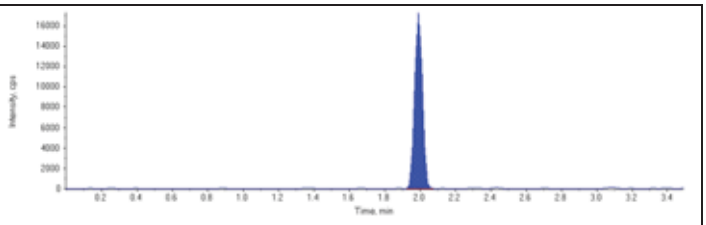
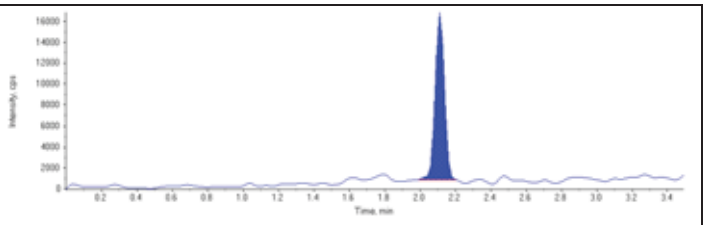
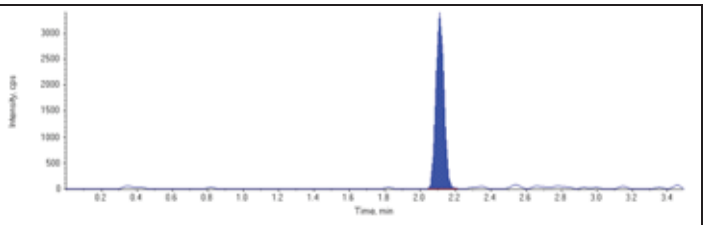
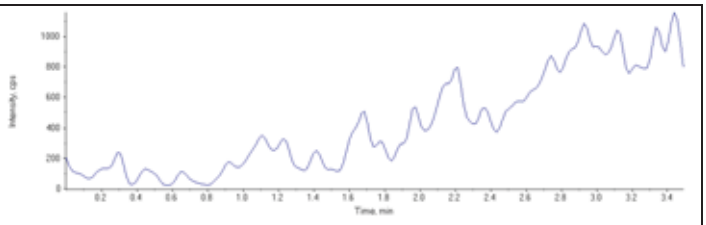
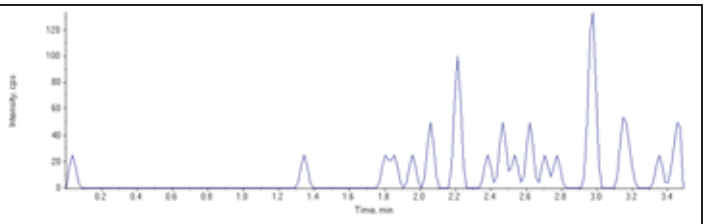
RT (Exp. RT): 1.38(1.40) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

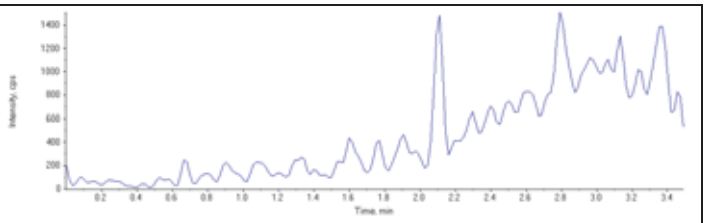
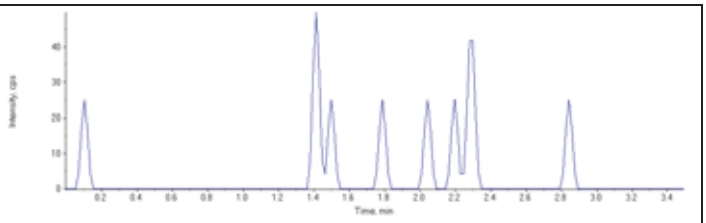
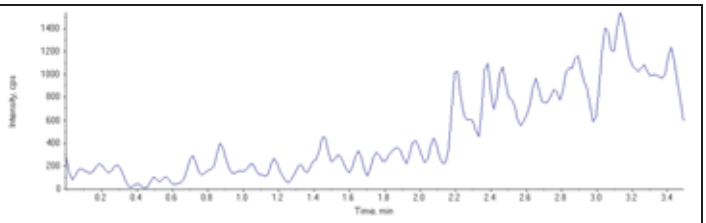
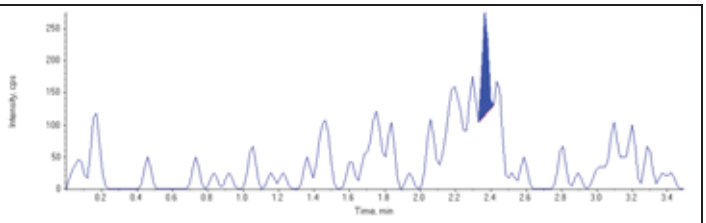
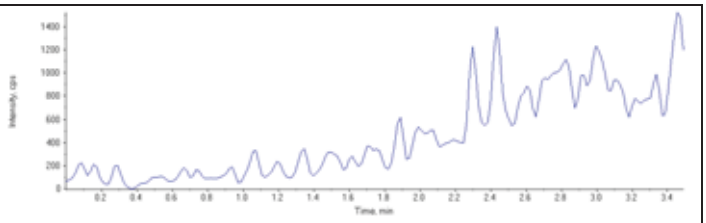
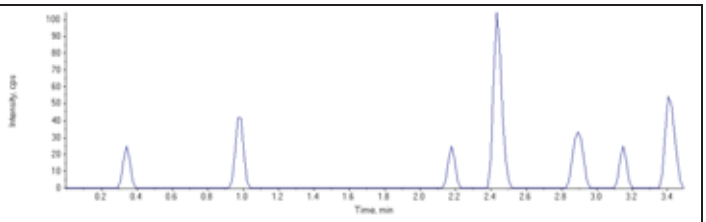


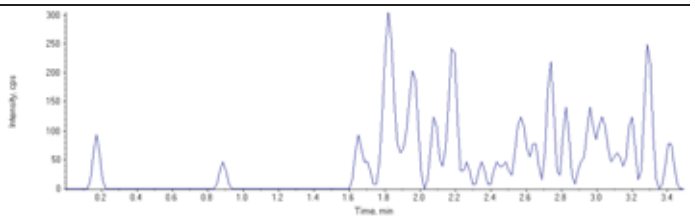
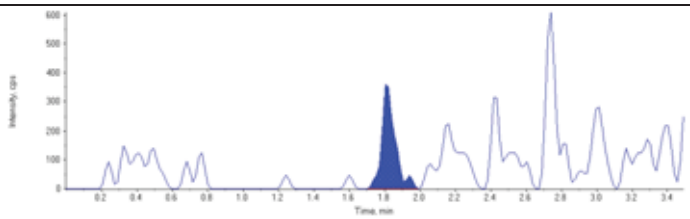
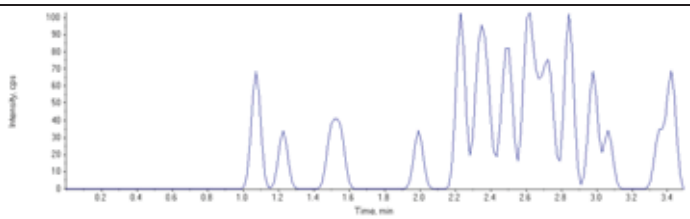
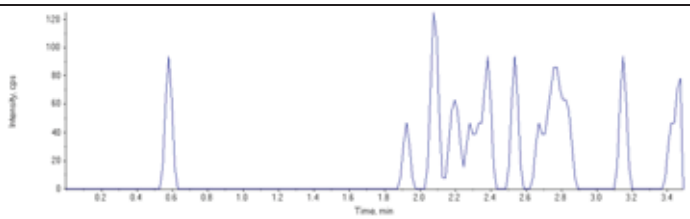
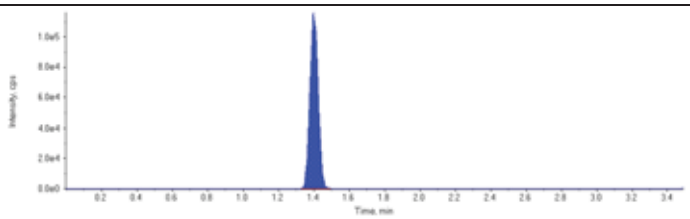
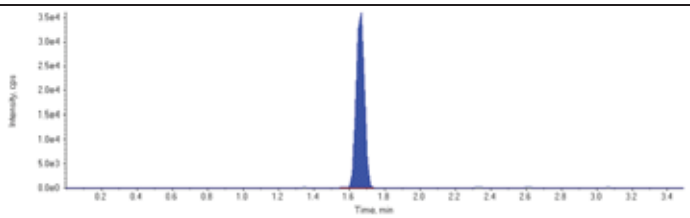
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

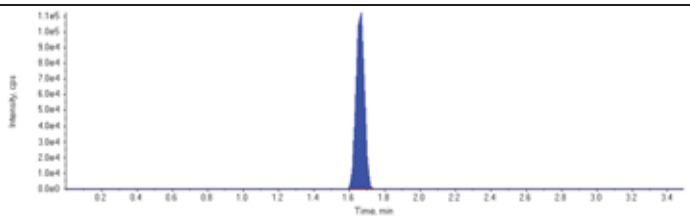
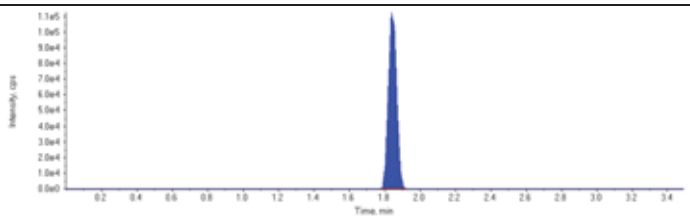
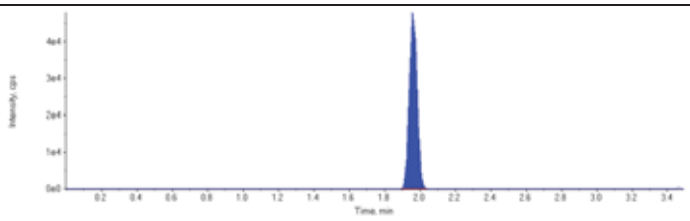
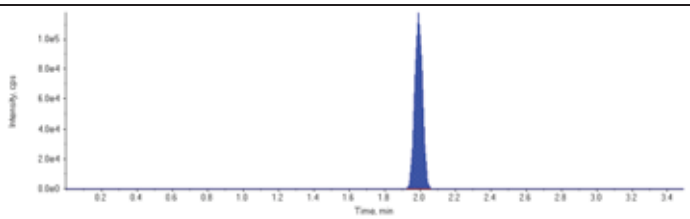
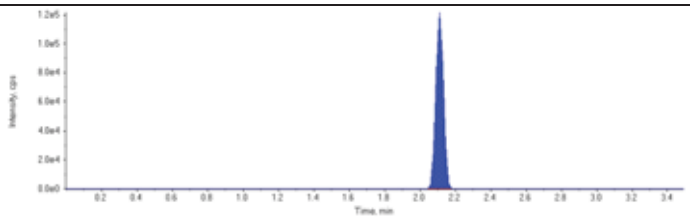
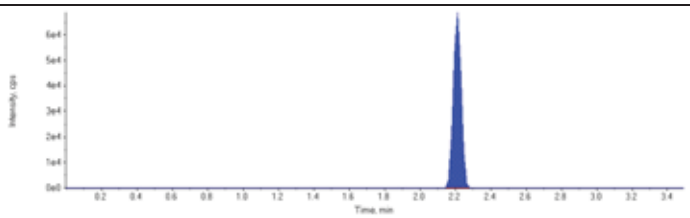
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.26 (1.09) min Calculated Conc: 0.0408 µg/L Area Ratio: 0.00245 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 0.462 µg/L Area Ratio: 0.768 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 0.519 µg/L Area Ratio: 0.0528 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.0401 µg/L Area Ratio: 0.0386 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.65 (1.67) min Calculated Conc: 0.0373 µg/L Area Ratio: 0.00436 Sample Type: (Unknown)	

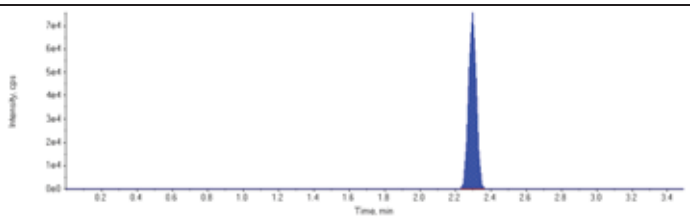
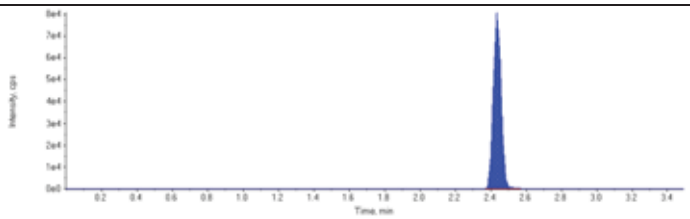
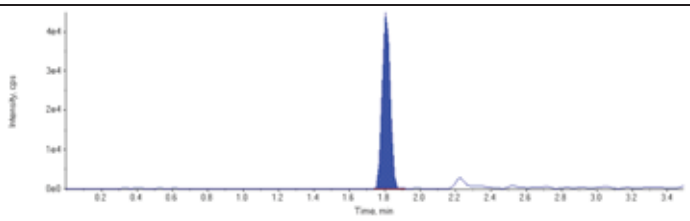
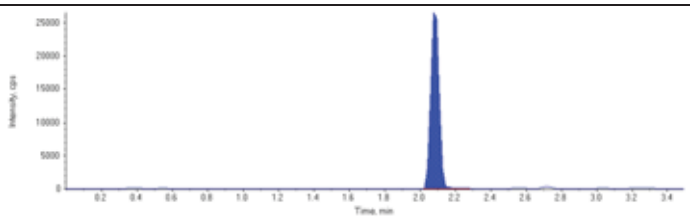
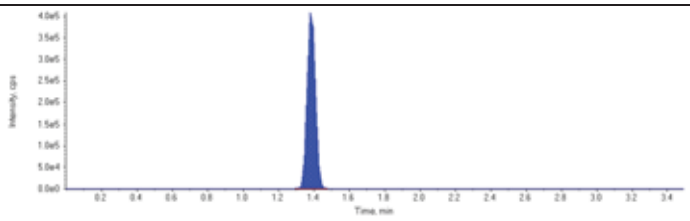
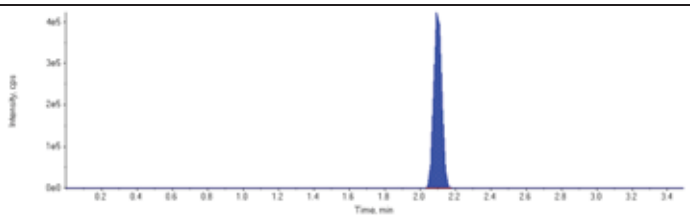
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.08 µg/L Area Ratio: 1.73 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.901 µg/L Area Ratio: 0.0279 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 1.47 µg/L Area Ratio: 2.71 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 1.34 µg/L Area Ratio: 0.991 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.0587 µg/L Area Ratio: 0.0630 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.0572 µg/L Area Ratio: 0.0140 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.337 µg/L Area Ratio: 0.481 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.385 µg/L Area Ratio: 0.146 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 0.115 µg/L Area Ratio: 0.160 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.109 µg/L Area Ratio: 0.0291 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.37 (2.37) min Calculated Conc: 0.0135 µg/L Area Ratio: 0.00148 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.90) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 0.0465 µg/L Area Ratio: 0.0137 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 86.5 µg/L Area Ratio: 0.278 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 99.4 µg/L Area Ratio: 0.0857 Sample Type: (Unknown)	

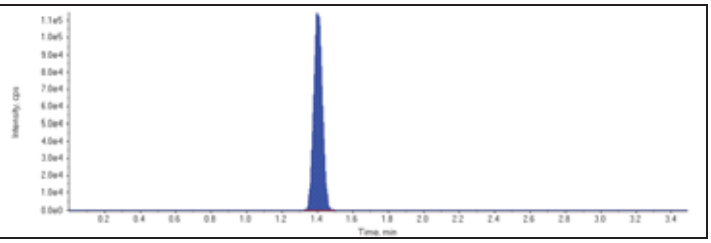
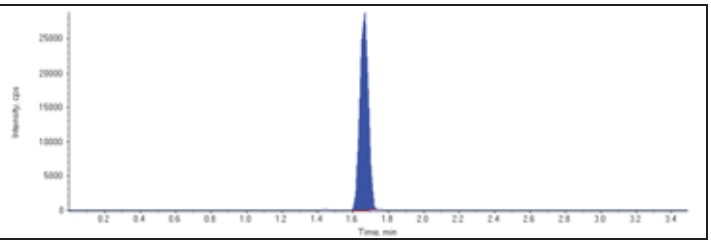
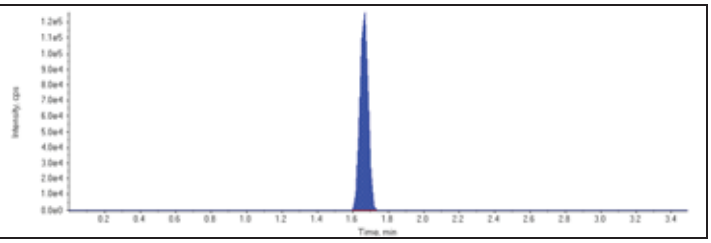
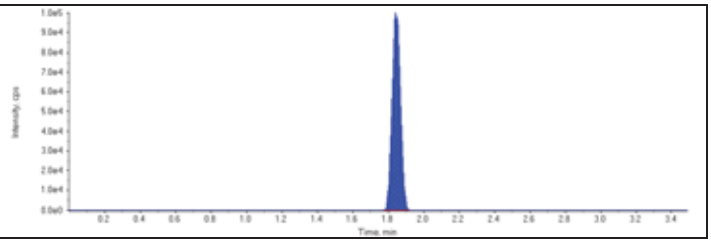
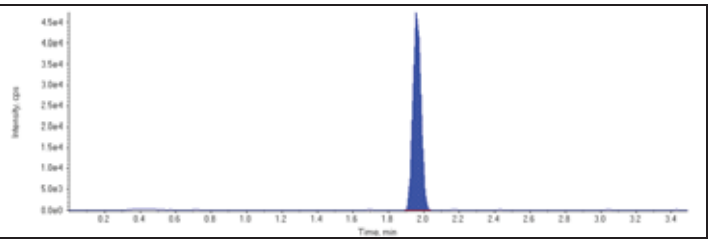
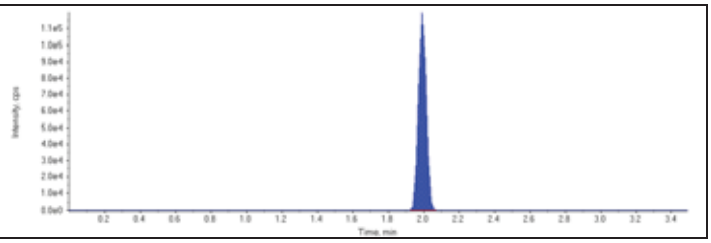
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 82.4 µg/L Area Ratio: 0.272 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 97.1 µg/L Area Ratio: 0.267 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 85.5 µg/L Area Ratio: 0.108 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 89.1 µg/L Area Ratio: 0.261 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 86.1 µg/L Area Ratio: 0.267 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 67.7 µg/L Area Ratio: 0.156 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 75.0 µg/L Area Ratio: 0.167 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 73.9 µg/L Area Ratio: 0.180 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 85.9 µg/L Area Ratio: 0.102 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 97.7 µg/L Area Ratio: 0.0651 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 25.7 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 27.5 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4988945~EJI409-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	24
Acquisition Date	2017/05/23 3:35:46 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for all, except PFOA		

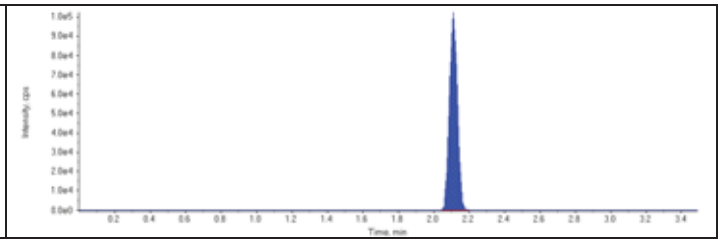
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	394000.	1.40	1.00	-
MPFHxS	93400.	1.66	1.00	-
MPFHpA	408000.	1.66	1.00	-
MPFOA	335000.	1.85	1.00	-
MPFOS	149000.	1.96	1.00	-
MPFNA	366000.	1.99	1.00	-
MPFDA	311000.	2.11	1.00	-
MPFUnA	251000.	2.21	1.00	-
MPFDoA	207000.	2.30	1.00	-
MPFTeDA	205000.	2.44	1.00	-
M2 6:2 FTS	141000.	1.81	1.00	-
M2 8:2 FTS	85900.	2.09	1.00	-
13C6-PFHxA IS	1290000.	1.39	41.7	-
13C9-PFDA IS	1140000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	2780	1.10	N/A	0.00521	N/A
PFHxA 1	2890000	1.40	N/A	0.406	N/A
PFHxA 2	172000	1.40	N/A	0.414	N/A
PFHxS 1	25800	1.66	N/A	0.0106	N/A
PFHxS 2	8750	1.66	N/A	0.0120	N/A
PFHpA 1	5860000	1.66	N/A	0.881	N/A
PFHpA 2	117000	1.66	N/A	0.972	N/A
PFOA 1	8830000	1.85	N/A	1.39	N/A
PFOA 2	3670000	1.85	N/A	1.43	N/A
PFOS 1	67800	1.96	N/A	0.0259	N/A
PFOS 2	22800	1.96	N/A	0.0285	N/A
PFNA 1	1900000	1.99	N/A	0.347	N/A
PFNA 2	453000	1.99	N/A	0.314	N/A
PFDA 1	649000	2.11	N/A	0.124	N/A
PFDA 2	117000	2.11	N/A	0.115	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	613	2.22	N/A	0.00414	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	1680	2.42	N/A	0.00489	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	319	1.79	N/A	0.00313	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C2-PFHxA	394000	1.40	N/A	94.6	N/A
18O2-PFHxS	93400	1.66	N/A	83.7	N/A
13C4-PFHpA	408000	1.66	N/A	95.3	N/A
13C4-PFOA	335000	1.85	N/A	94.1	N/A
13C4-PFOS	149000	1.96	N/A	90.9	N/A
13C5-PFNA	366000	1.99	N/A	96.5	N/A
13C2-PFDA	311000	2.11	N/A	87.9	N/A
13C2-PFUnA	251000	2.21	N/A	95.6	N/A
13C2-PFDoA	207000	2.30	N/A	81.6	N/A
13C2-PFTeDA	205000	2.44	N/A	73.7	N/A
13C2-6:2-FTS	141000	1.81	N/A	91.2	N/A
13C2-8:2 FTS	85900	2.09	N/A	99.7	N/A
13C6-PFHxA	1290000	1.39	N/A	2.43	N/A
13C9-PFDA	1140000	2.10	N/A	2.29	N/A

MPFHxA (Internal Standard) RT (Exp. RT): 1.40(1.40) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxS (Internal Standard) RT (Exp. RT): 1.66(1.77) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.66(1.67) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.85(1.84) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.96(2.05) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 1.99(1.99) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

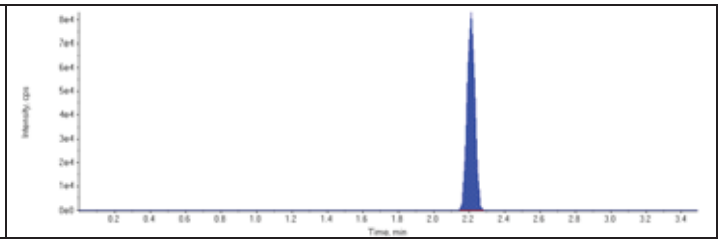
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



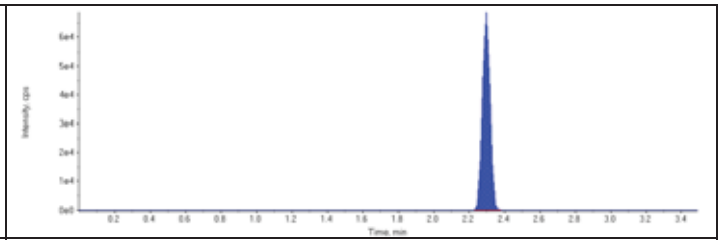
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



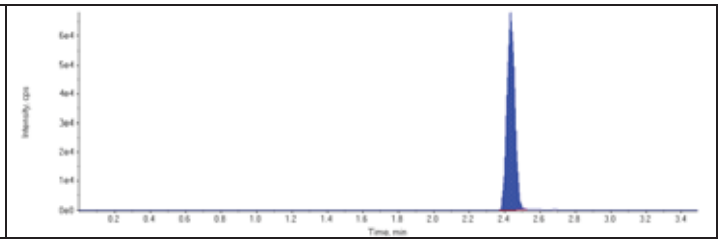
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



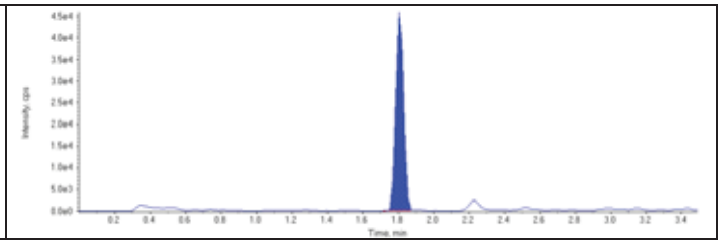
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



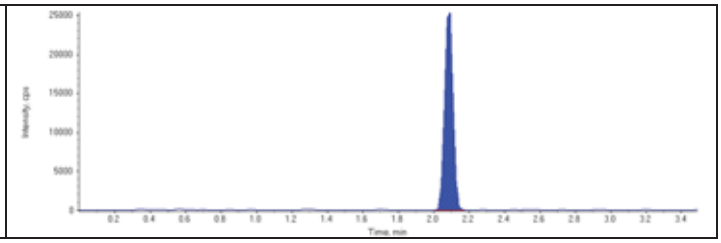
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



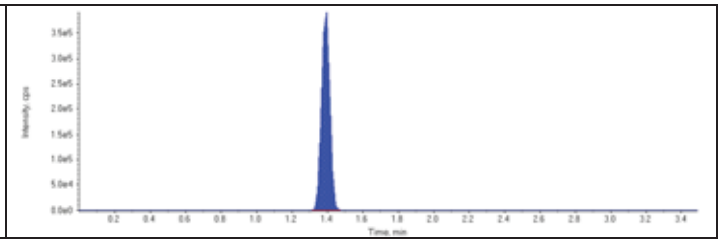
M2 8:2 FTS (Internal Standard)

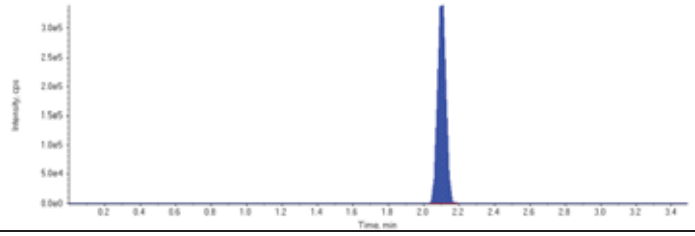
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

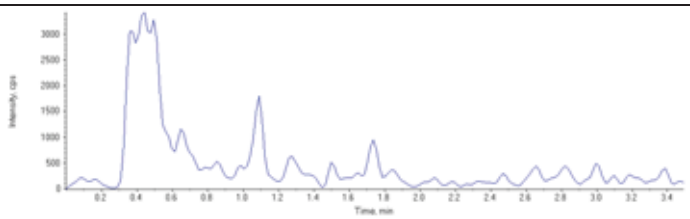
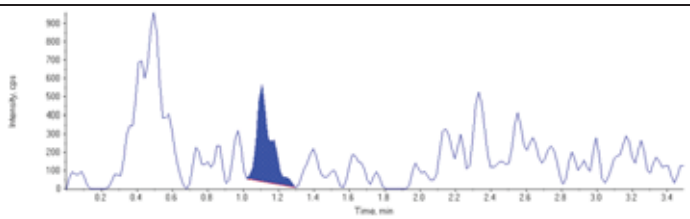
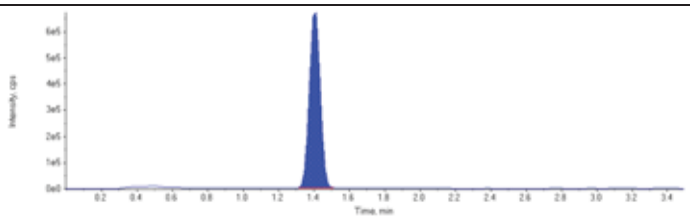
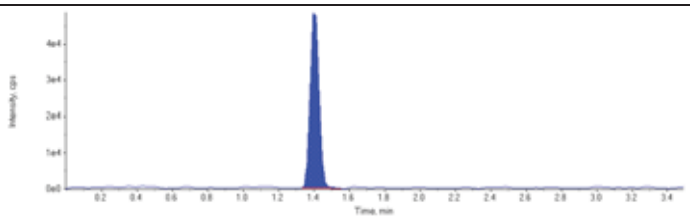
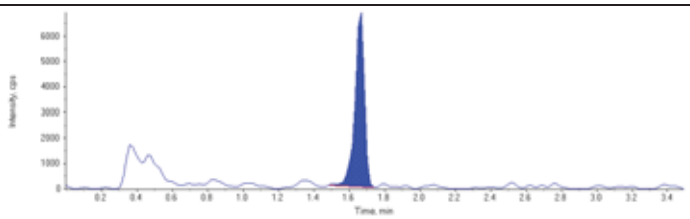
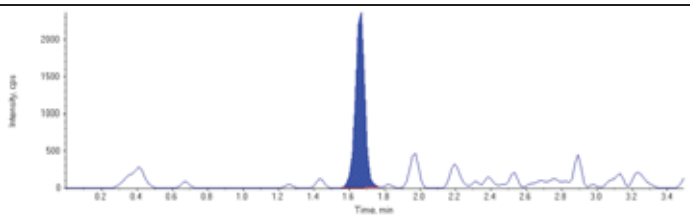


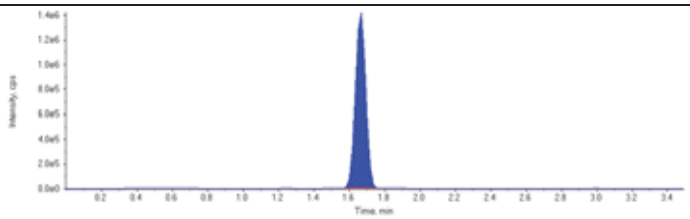
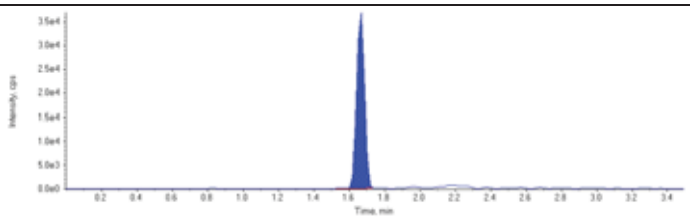
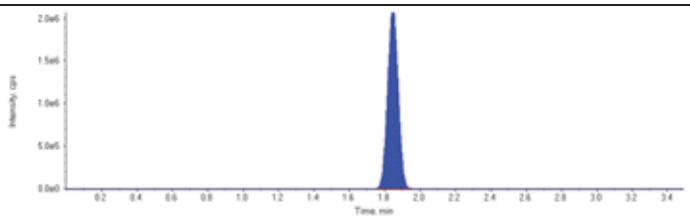
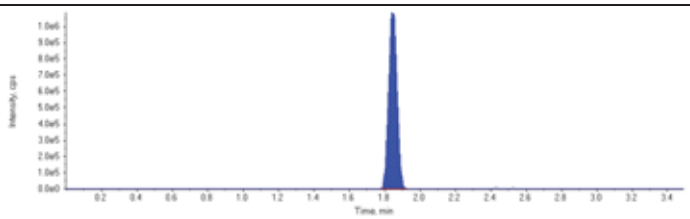
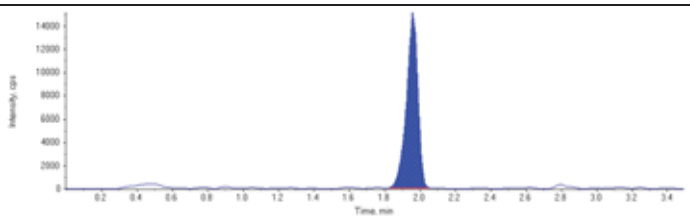
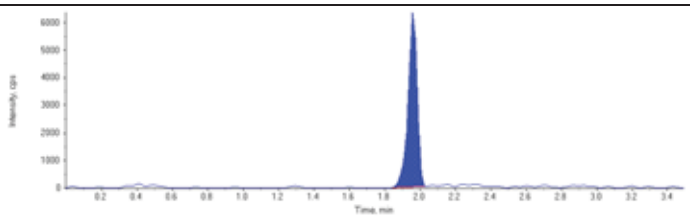
13C6-PFHxA IS (Internal Standard)

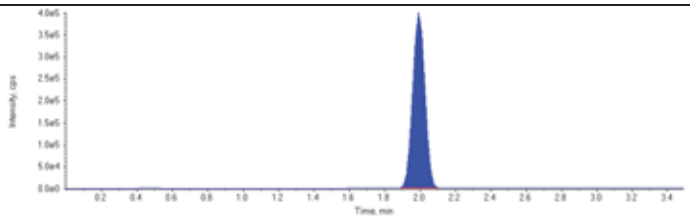
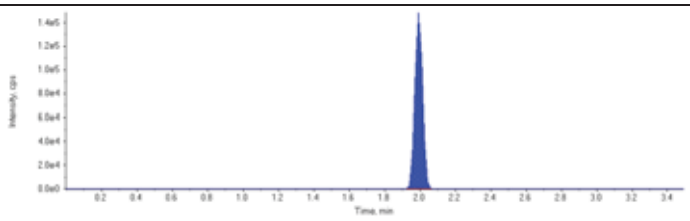
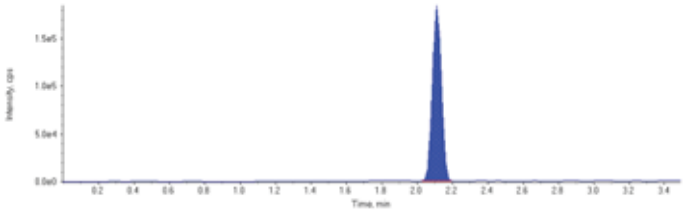
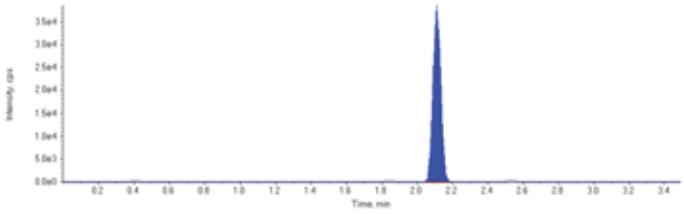
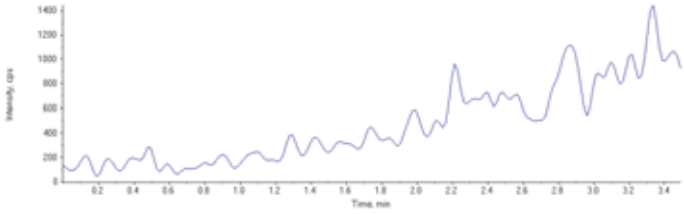
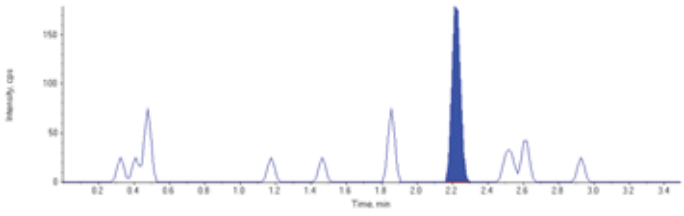
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

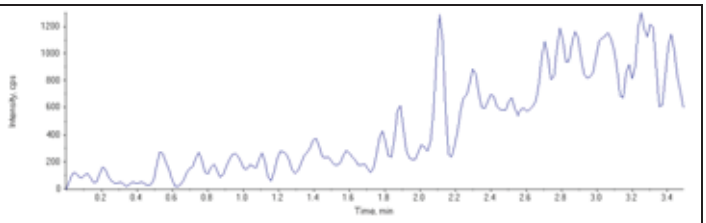
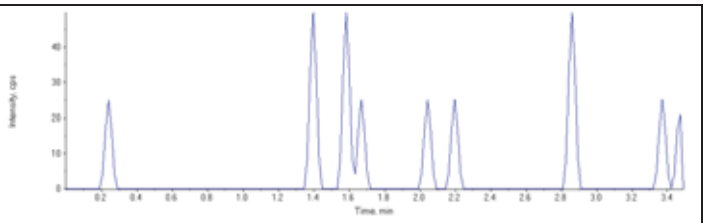
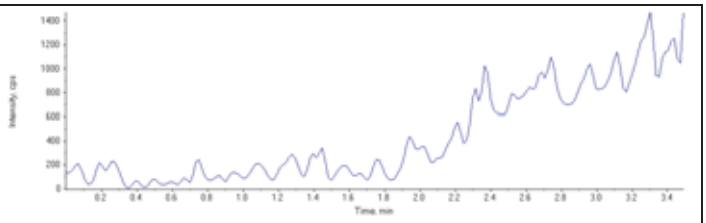
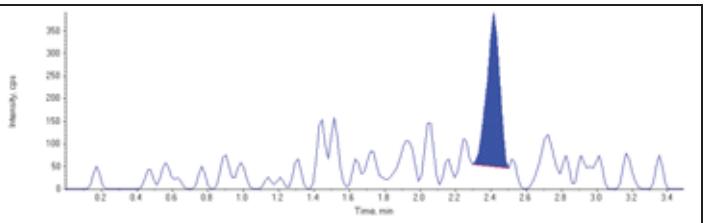
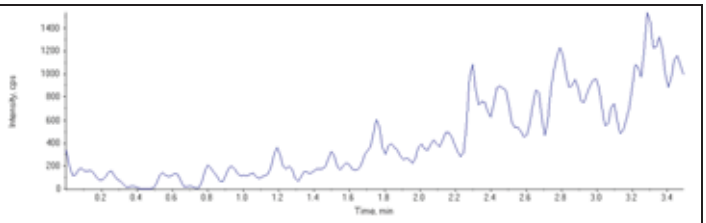
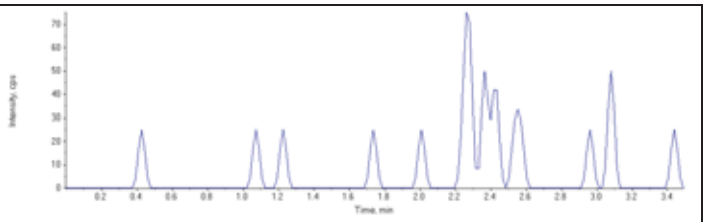


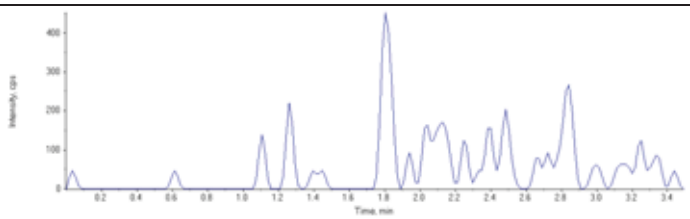
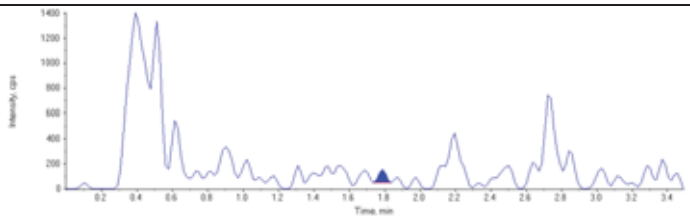
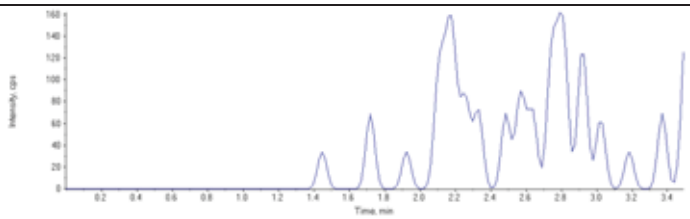
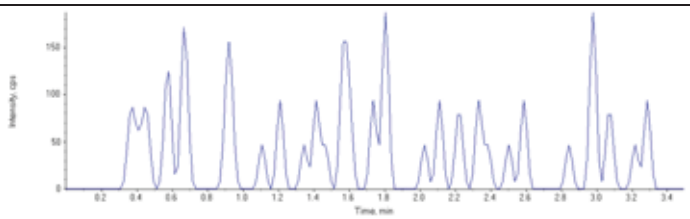
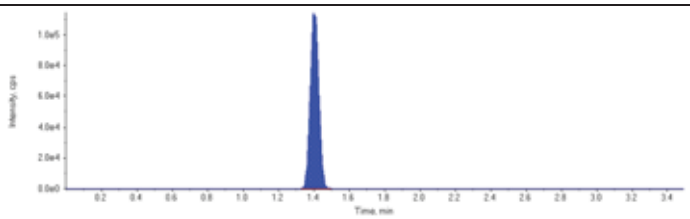
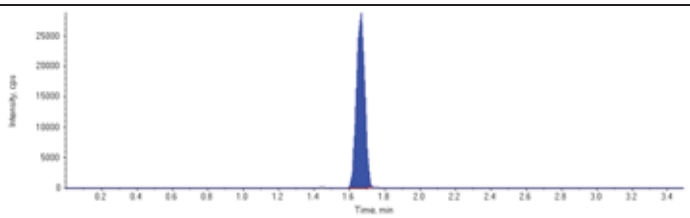
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

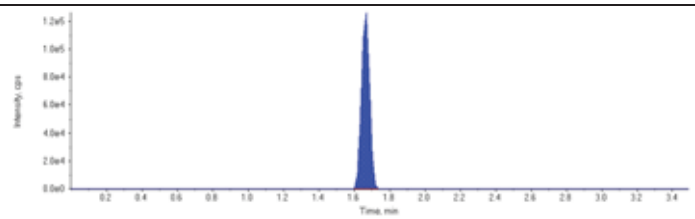
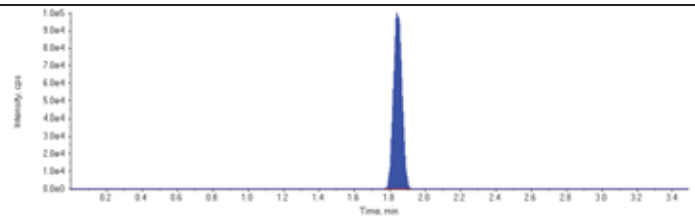
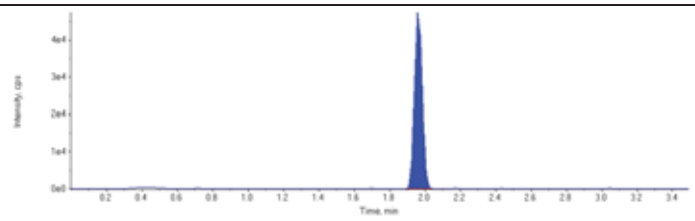
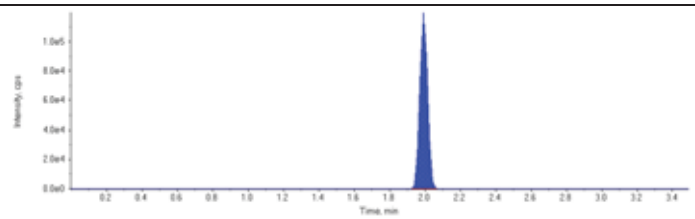
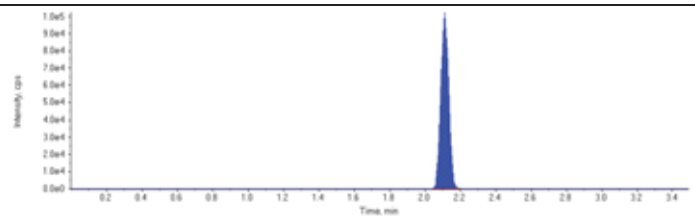
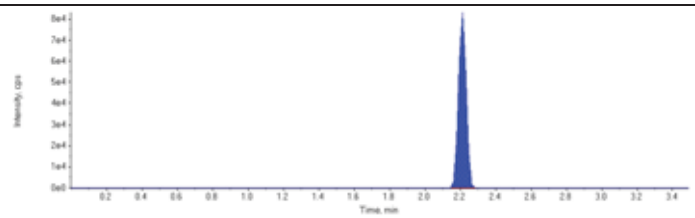
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 0.00521 µg/L Area Ratio: 0.0298 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 0.406 µg/L Area Ratio: 7.33 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 0.414 µg/L Area Ratio: 0.436 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.0106 µg/L Area Ratio: 0.276 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.0120 µg/L Area Ratio: 0.0937 Sample Type: (Unknown)	

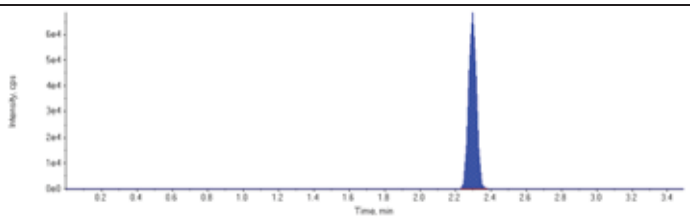
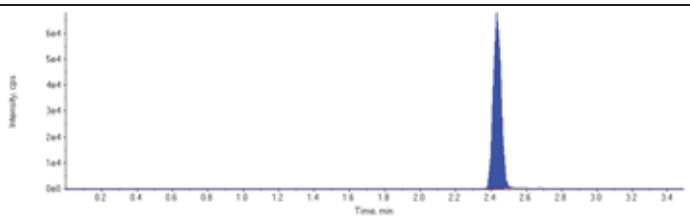
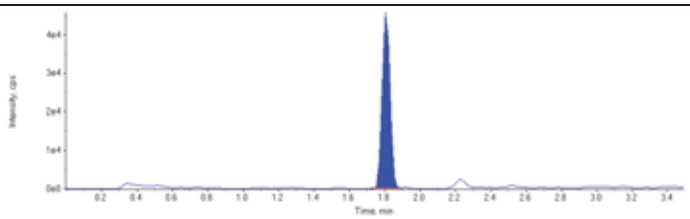
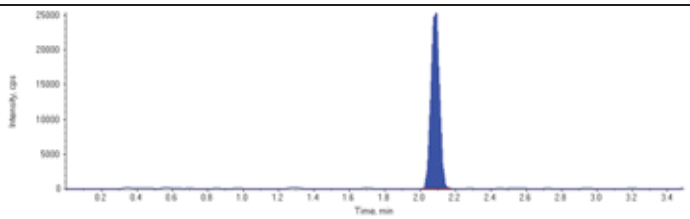
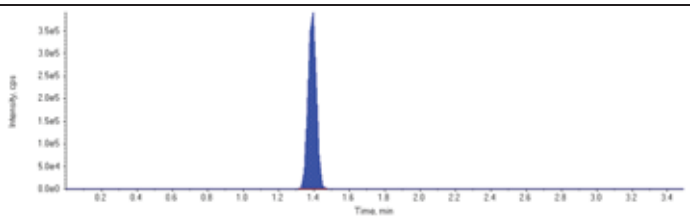
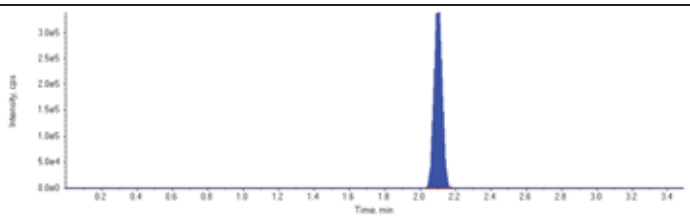
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.881 µg/L Area Ratio: 14.4 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.972 µg/L Area Ratio: 0.288 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 1.39 µg/L Area Ratio: 26.4 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 1.43 µg/L Area Ratio: 11.0 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.0259 µg/L Area Ratio: 0.454 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.0285 µg/L Area Ratio: 0.153 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.347 µg/L Area Ratio: 5.19 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.314 µg/L Area Ratio: 1.24 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 0.124 µg/L Area Ratio: 2.09 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.115 µg/L Area Ratio: 0.375 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.22 (2.27) min Calculated Conc: 0.00414 µg/L Area Ratio: 0.00244 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.42 (2.37) min Calculated Conc: 0.00489 µg/L Area Ratio: 0.00819 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.90) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.79 (1.80) min Calculated Conc: 0.00313 µg/L Area Ratio: 0.00227 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 94.6 µg/L Area Ratio: 0.304 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 83.7 µg/L Area Ratio: 0.0722 Sample Type: (Unknown)	

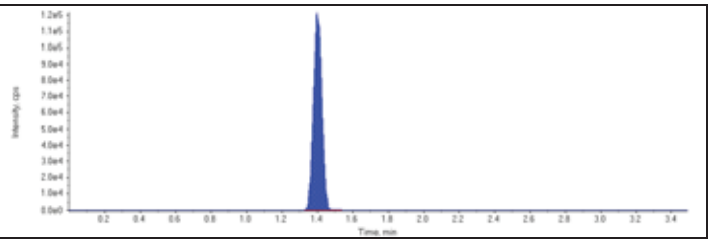
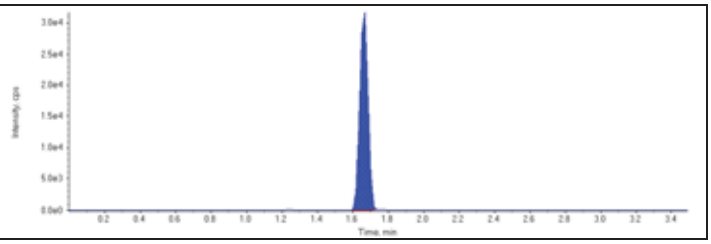
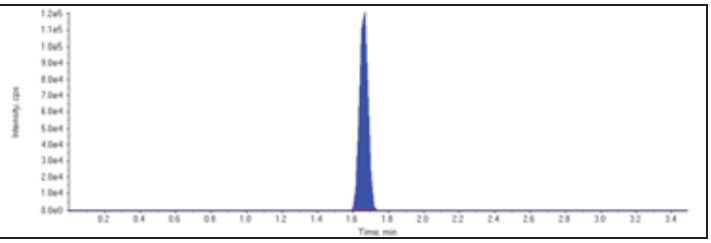
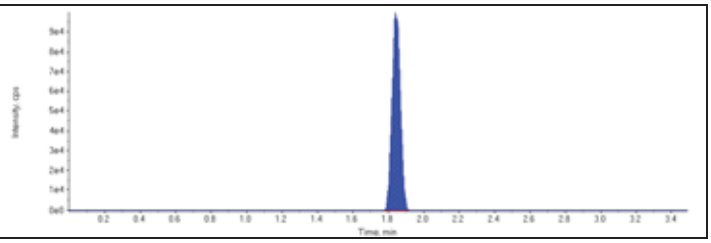
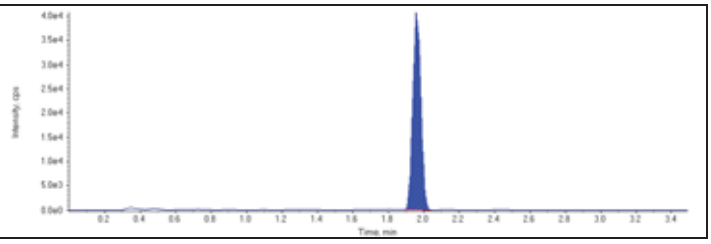
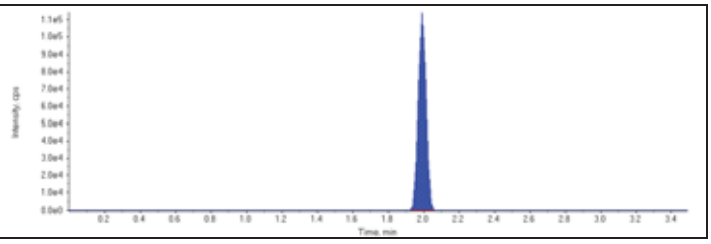
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 95.3 µg/L Area Ratio: 0.315 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 94.1 µg/L Area Ratio: 0.259 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 90.9 µg/L Area Ratio: 0.115 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 96.5 µg/L Area Ratio: 0.283 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 87.9 µg/L Area Ratio: 0.273 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 95.6 µg/L Area Ratio: 0.220 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 81.6 µg/L Area Ratio: 0.182 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 73.7 µg/L Area Ratio: 0.180 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 91.2 µg/L Area Ratio: 0.109 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 99.7 µg/L Area Ratio: 0.0664 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.43 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.29 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4988945~EJI410-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	25
Acquisition Date	2017/05/23 3:45:55 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

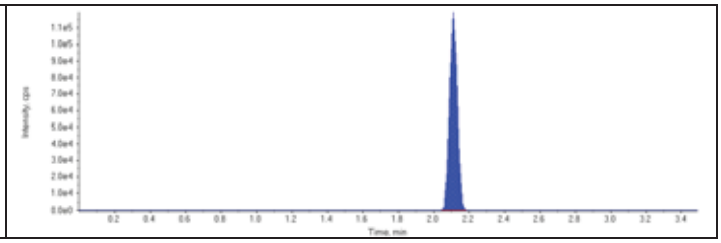
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	409000.	1.40	1.00	-
MPFHxS	104000.	1.66	1.00	-
MPFHpA	401000.	1.66	1.00	-
MPFOA	328000.	1.84	1.00	-
MPFOS	127000.	1.96	1.00	-
MPFNA	347000.	1.99	1.00	-
MPFDA	356000.	2.11	1.00	-
MPFUnA	275000.	2.21	1.00	-
MPFDoA	225000.	2.30	1.00	-
MPFTeDA	240000.	2.44	1.00	-
M2 6:2 FTS	138000.	1.81	1.00	-
M2 8:2 FTS	75600.	2.08	1.00	-
13C6-PFHxA IS	1460000.	1.39	41.7	-
13C9-PFDA IS	1260000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	31300	1.10	N/A	0.0120	N/A
PFBS 2	15600	1.09	N/A	0.0102	N/A
PFHxA 1	298000	1.40	N/A	0.0440	N/A
PFHxA 2	18200	1.40	N/A	0.0442	N/A
PFHxS 1	278000	1.66	N/A	0.0768	N/A
PFHxS 2	77900	1.66	N/A	0.0731	N/A
PFHpA 1	94800	1.66	N/A	0.0162	N/A
PFHpA 2	2350	1.67	N/A	0.0153	N/A
PFOA 1	106000	1.84	N/A	0.0217	N/A
PFOA 2	36100	1.84	N/A	0.0197	N/A
PFOS 1	584000	1.96	N/A	0.238	N/A
PFOS 2	175000	1.96	N/A	0.230	N/A
PFNA 1	13000	1.99	N/A	0.00419	N/A
PFNA 2	2650	1.99	N/A	0.00345	N/A
PFDA 1	24200	2.11	N/A	0.00610	N/A
PFDA 2	3870	2.11	N/A	0.00548	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	1060	2.21	N/A	0.00487	N/A
PFDoA 1	6030	2.30	N/A	0.00369	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	574	2.36	N/A	0.00182	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	141000	1.81	N/A	0.0973	N/A
6:2-FTS 2	89300	1.81	N/A	0.0890	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C2-PFHxA	409000	1.40	N/A	87.3	N/A
18O2-PFHxS	104000	1.66	N/A	82.6	N/A
13C4-PFHpA	401000	1.66	N/A	83.4	N/A
13C4-PFOA	328000	1.84	N/A	81.9	N/A
13C4-PFOS	127000	1.96	N/A	68.9	N/A
13C5-PFNA	347000	1.99	N/A	81.4	N/A
13C2-PFDA	356000	2.11	N/A	91.2	N/A
13C2-PFUnA	275000	2.21	N/A	94.8	N/A
13C2-PFDoA	225000	2.30	N/A	80.2	N/A
13C2-PFTeDA	240000	2.44	N/A	78.2	N/A
13C2-6:2-FTS	138000	1.81	N/A	79.3	N/A
13C2-8:2 FTS	75600	2.08	N/A	78.0	N/A
13C6-PFHxA	1460000	1.39	N/A	2.73	N/A
13C9-PFDA	1260000	2.10	N/A	2.53	N/A

MPFHxA (Internal Standard) RT (Exp. RT): 1.40(1.40) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHxS (Internal Standard) RT (Exp. RT): 1.66(1.77) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFHpA (Internal Standard) RT (Exp. RT): 1.66(1.67) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.84(1.84) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.96(2.05) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 1.99(1.99) min Concentration: 1.00 ug/L Sample Type: (Unknown)	

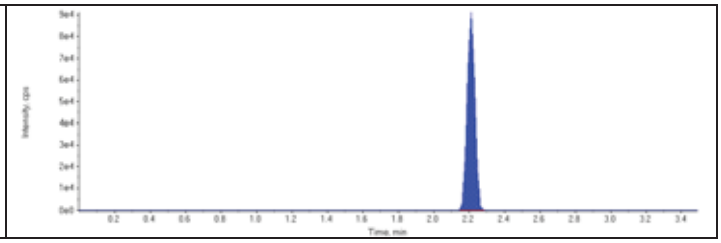
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



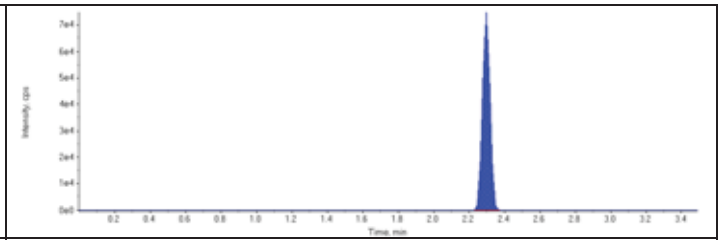
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



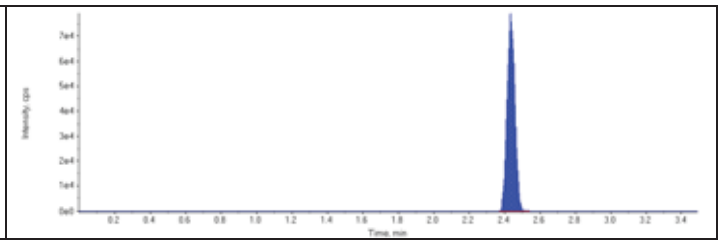
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



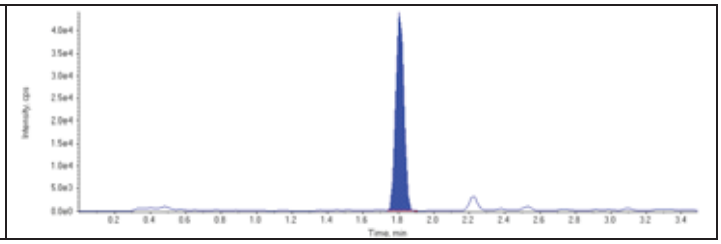
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



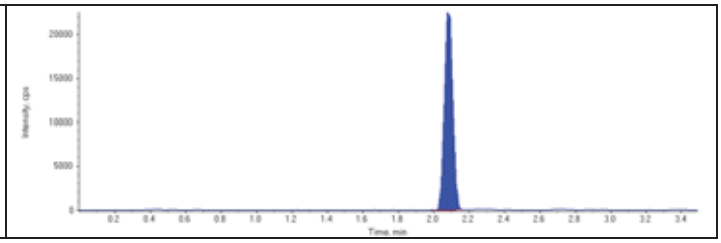
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



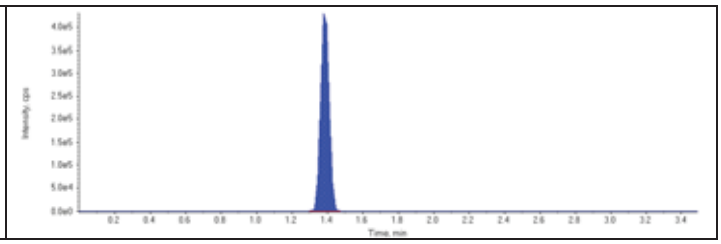
M2 8:2 FTS (Internal Standard)

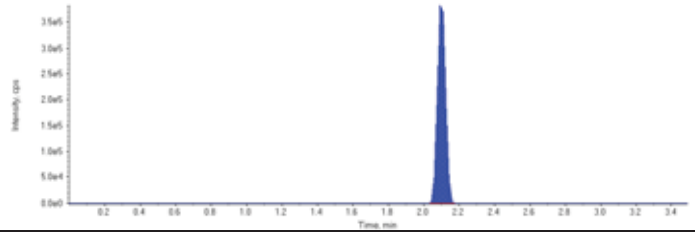
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

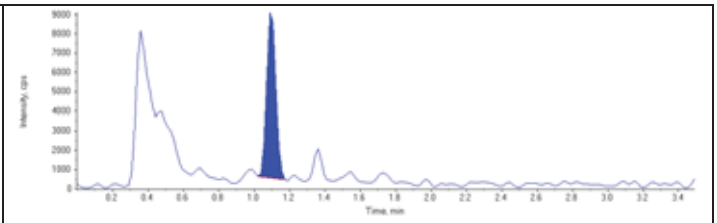
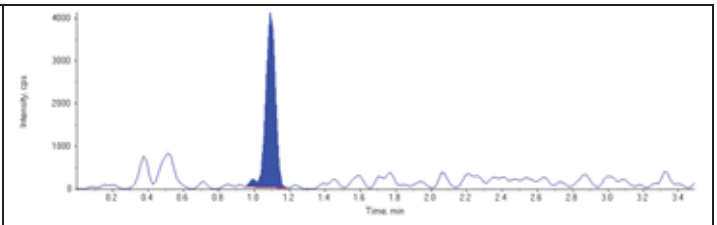
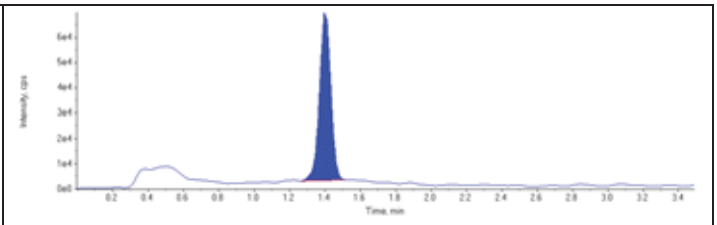
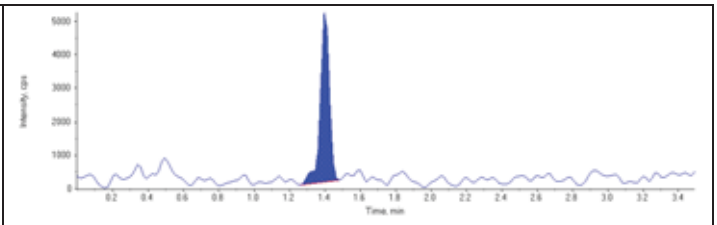
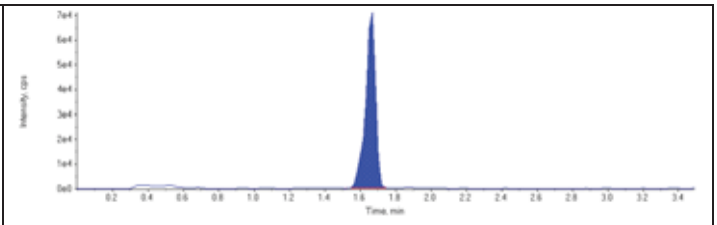
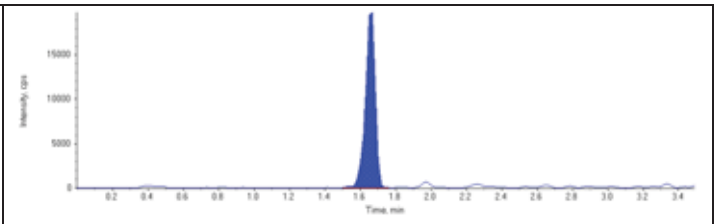


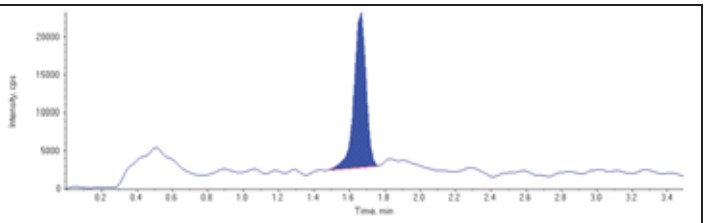
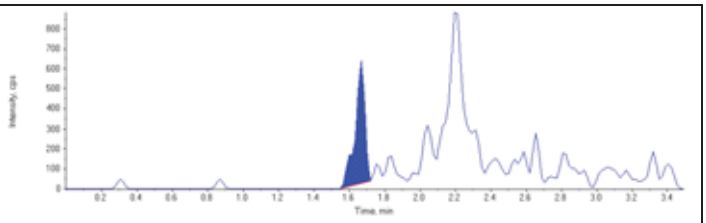
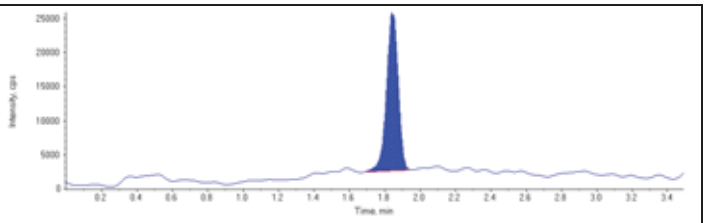
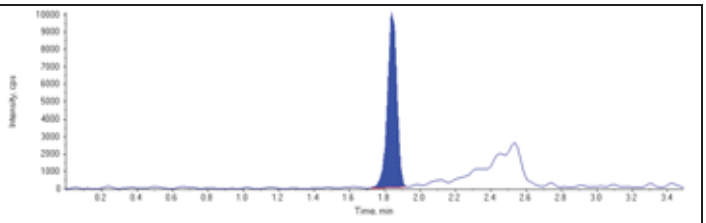
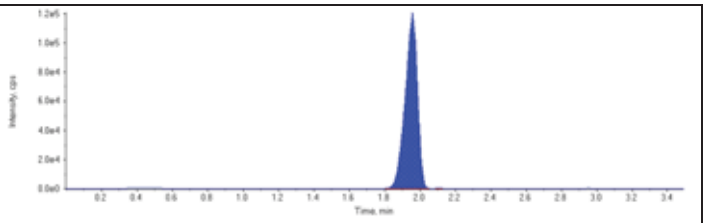
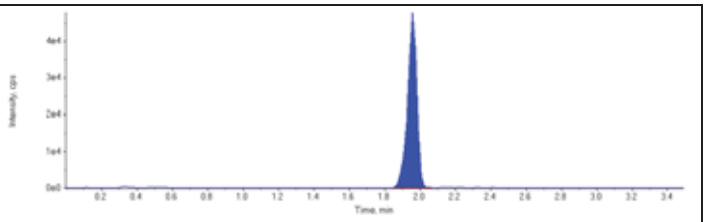
13C6-PFHxA IS (Internal Standard)

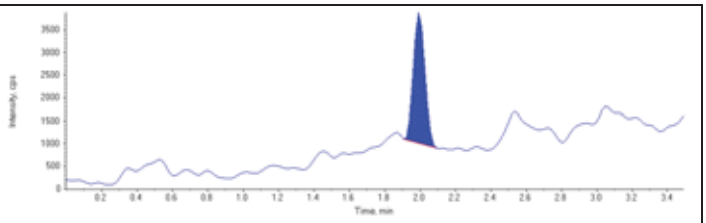
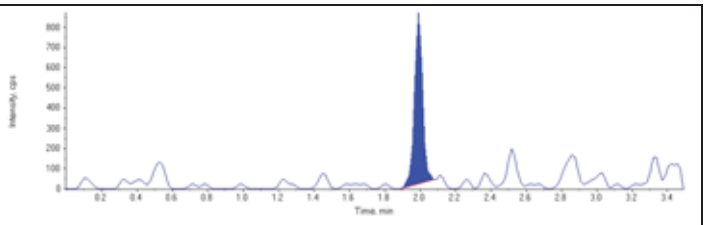
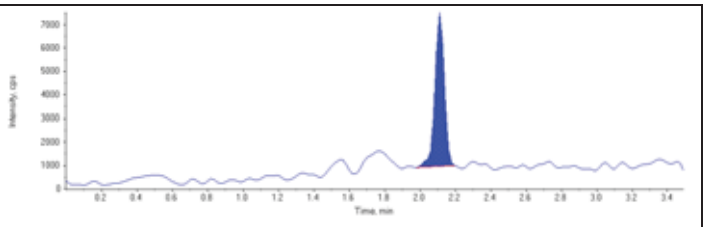
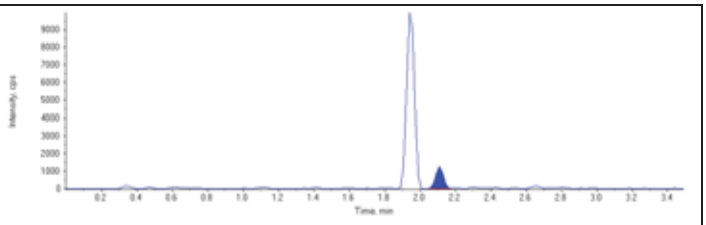
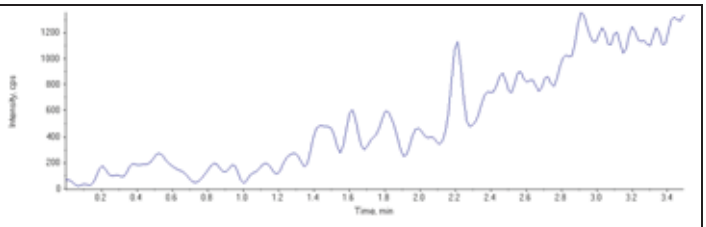
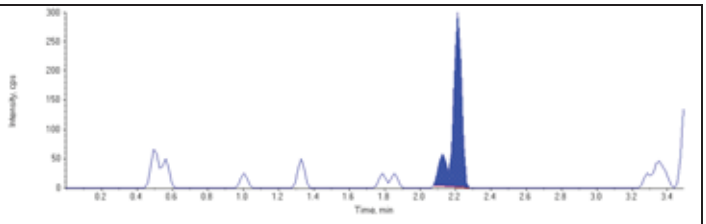
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

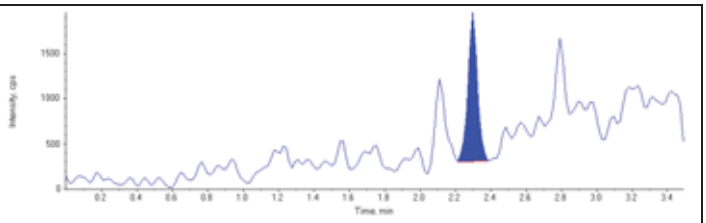
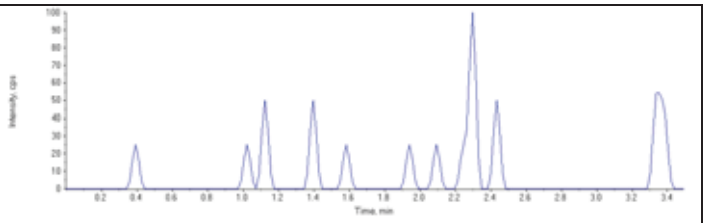
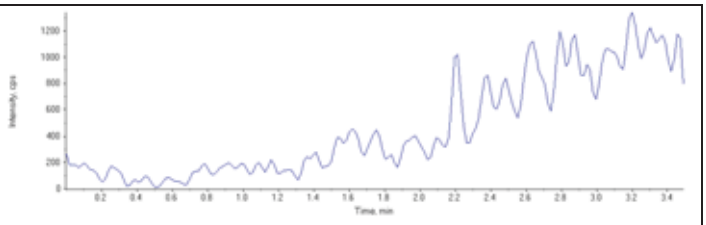
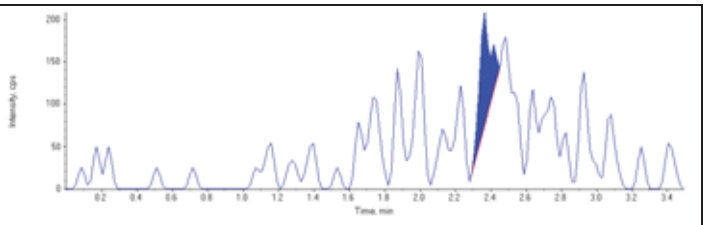
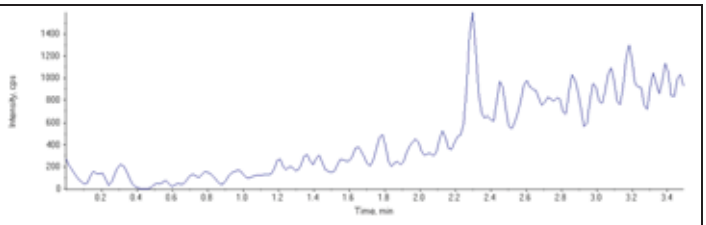
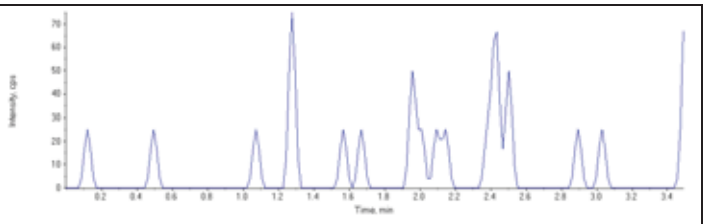


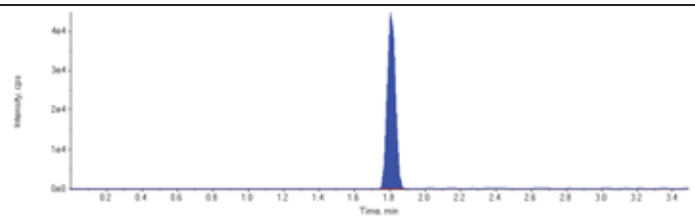
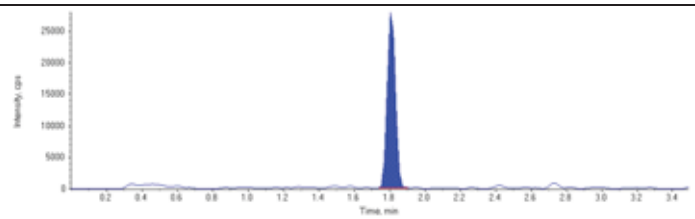
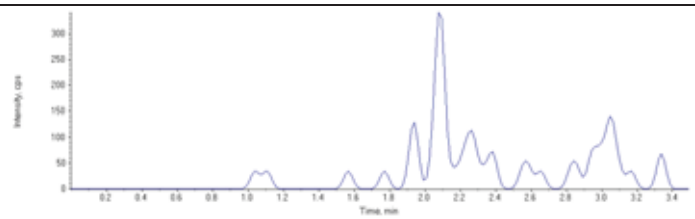
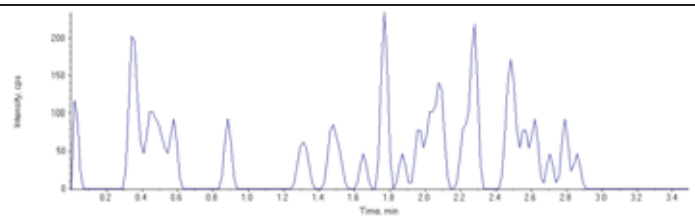
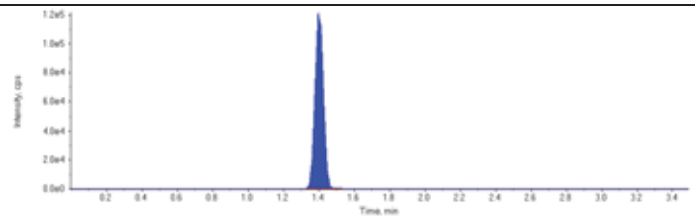
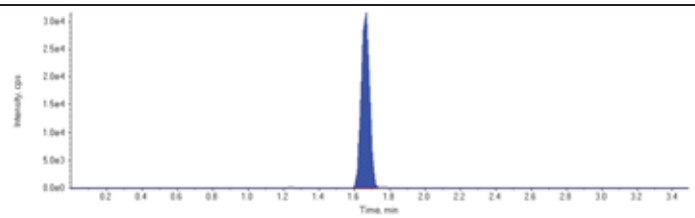
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

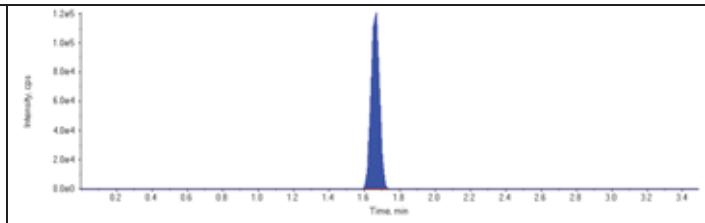
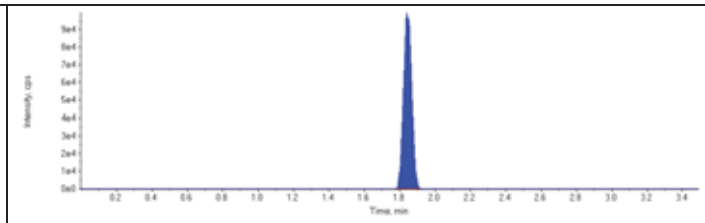
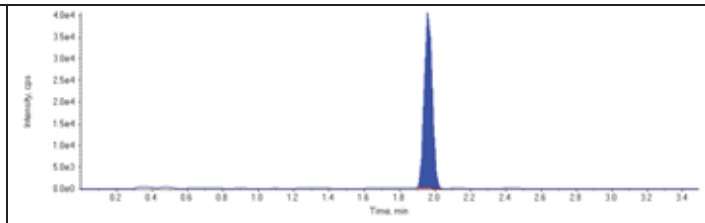
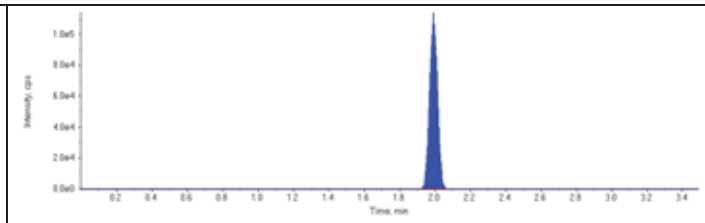
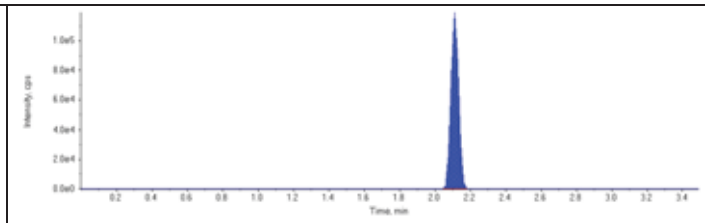
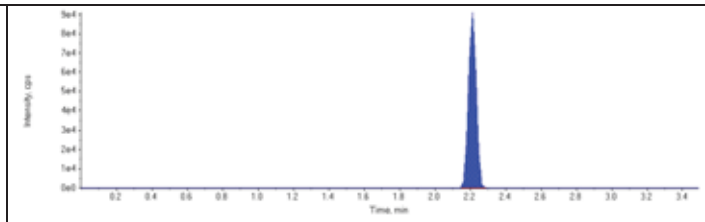
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 0.0120 µg/L Area Ratio: 0.301 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.0102 µg/L Area Ratio: 0.151 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 0.0440 µg/L Area Ratio: 0.729 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 0.0442 µg/L Area Ratio: 0.0446 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.0768 µg/L Area Ratio: 2.68 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.0731 µg/L Area Ratio: 0.751 Sample Type: (Unknown)	

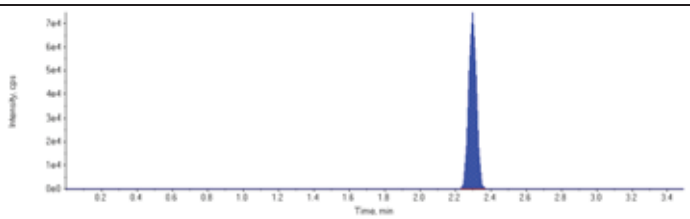
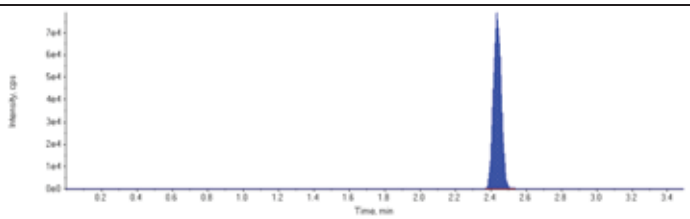
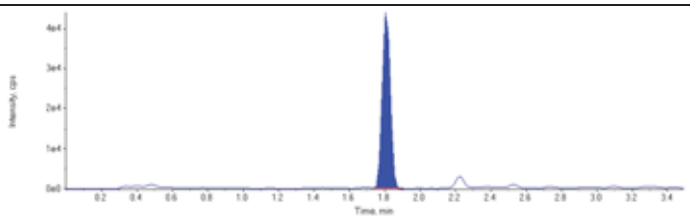
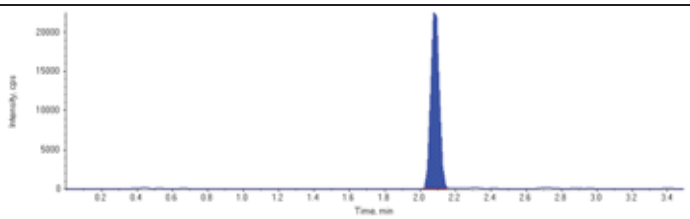
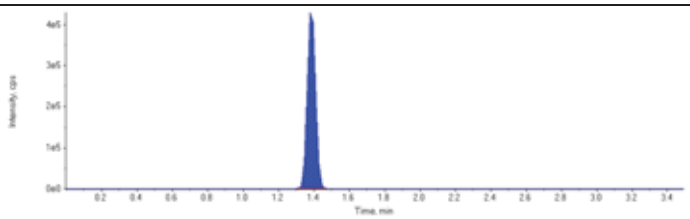
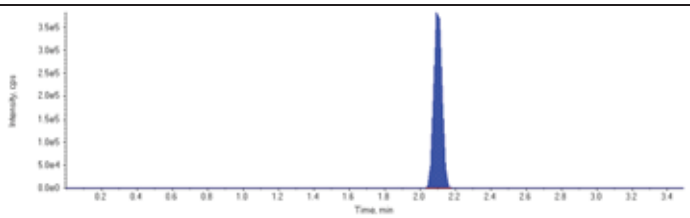
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.0162 µg/L Area Ratio: 0.236 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 0.0153 µg/L Area Ratio: 0.00585 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 0.0217 µg/L Area Ratio: 0.322 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.0197 µg/L Area Ratio: 0.110 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.238 µg/L Area Ratio: 4.59 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.230 µg/L Area Ratio: 1.37 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.00419 µg/L Area Ratio: 0.0374 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.00345 µg/L Area Ratio: 0.00762 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 0.00610 µg/L Area Ratio: 0.0678 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.00548 µg/L Area Ratio: 0.0109 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 0.00487 µg/L Area Ratio: 0.00387 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 2.30 (2.36) min Calculated Conc: 0.00369 µg/L Area Ratio: 0.0268 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.36 (2.37) min Calculated Conc: 0.00182 µg/L Area Ratio: 0.00239 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 0.0973 µg/L Area Ratio: 1.02 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 0.0890 µg/L Area Ratio: 0.647 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 87.3 µg/L Area Ratio: 0.281 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 82.6 µg/L Area Ratio: 0.0712 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 83.4 µg/L Area Ratio: 0.276 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 81.9 µg/L Area Ratio: 0.225 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 68.9 µg/L Area Ratio: 0.0874 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 81.4 µg/L Area Ratio: 0.239 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 91.2 µg/L Area Ratio: 0.283 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 94.8 µg/L Area Ratio: 0.218 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 80.2 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 78.2 µg/L Area Ratio: 0.191 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 79.3 µg/L Area Ratio: 0.0946 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 78.0 µg/L Area Ratio: 0.0519 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.73 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.53 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

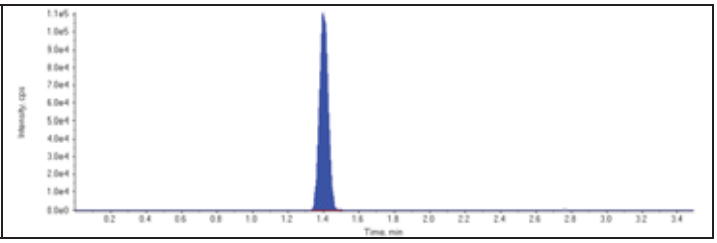
Sample ID	4988945~EJI411-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	26
Acquisition Date	2017/05/23 3:50:59 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	376000.	1.40	1.00	-
MPFHxS	97800.	1.66	1.00	-
MPFHpA	433000.	1.66	1.00	-
MPFOA	321000.	1.84	1.00	-
MPFOS	151000.	1.96	1.00	-
MPFNA	369000.	1.99	1.00	-
MPFDA	357000.	2.11	1.00	-
MPFUnA	247000.	2.21	1.00	-
MPFDoA	232000.	2.30	1.00	-
MPFTeDA	236000.	2.44	1.00	-
M2 6:2 FTS	136000.	1.81	1.00	-
M2 8:2 FTS	75900.	2.08	1.00	-
13C6-PFHxA IS	1250000.	1.39	41.7	-
13C9-PFDA IS	1210000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	423	1.06	N/A	0.00416	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	566	1.36	N/A	0.00342	N/A
PFHxS 1	0	0.00	N/A	N/A	N/A
PFHxS 2	0	0.00	N/A	N/A	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	2290	1.85	N/A	0.00634	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	544	2.03	N/A	0.00400	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	732	2.38	N/A	0.00220	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	1280	1.90	N/A	0.00408	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C2-PFHxA	376000	1.40	N/A	93.3	N/A
18O2-PFHxS	97800	1.66	N/A	90.6	N/A
13C4-PFHpA	433000	1.66	N/A	105.	N/A
13C4-PFOA	321000	1.84	N/A	93.3	N/A
13C4-PFOS	151000	1.96	N/A	95.0	N/A
13C5-PFNA	369000	1.99	N/A	101.	N/A
13C2-PFDA	357000	2.11	N/A	95.5	N/A
13C2-PFUnA	247000	2.21	N/A	89.0	N/A
13C2-PFDoA	232000	2.30	N/A	86.4	N/A
13C2-PFTeDA	236000	2.44	N/A	80.2	N/A
13C2-6:2-FTS	136000	1.81	N/A	91.2	N/A
13C2-8:2 FTS	75900	2.08	N/A	91.1	N/A
13C6-PFHxA	1250000	1.39	N/A	2.35	N/A
13C9-PFDA	1210000	2.10	N/A	2.42	N/A

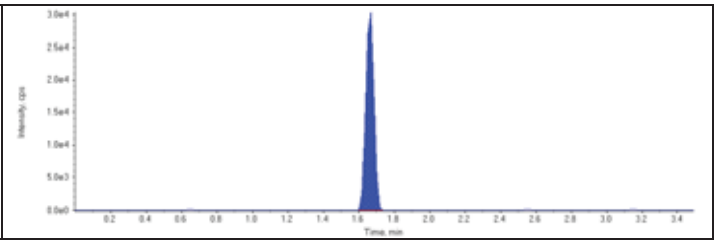
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



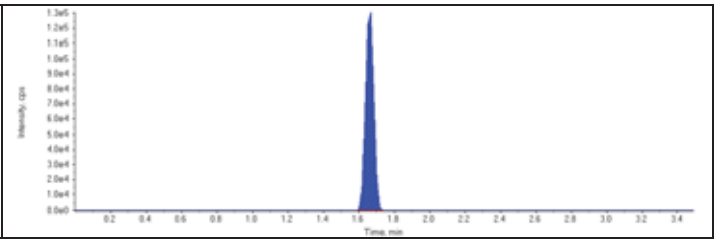
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



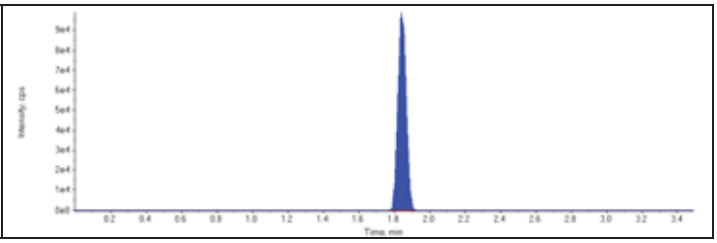
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



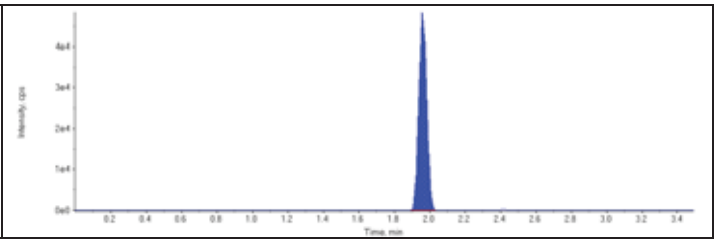
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



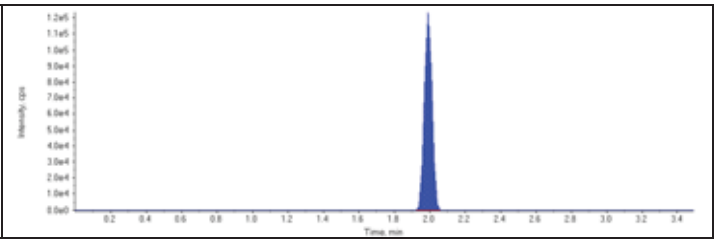
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



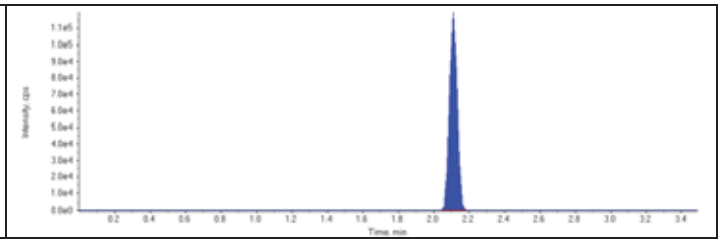
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



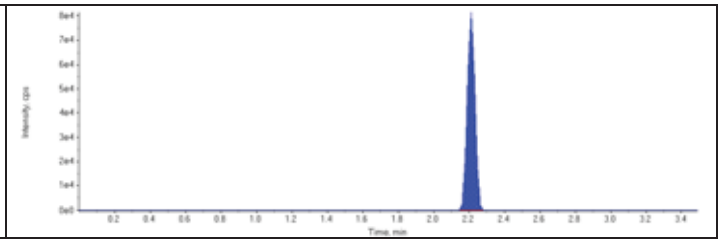
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



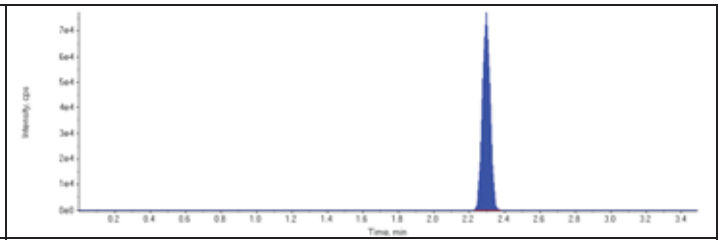
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



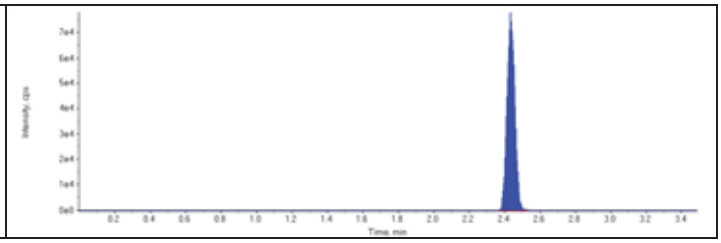
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



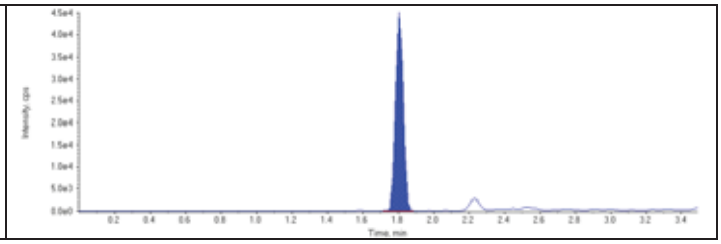
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



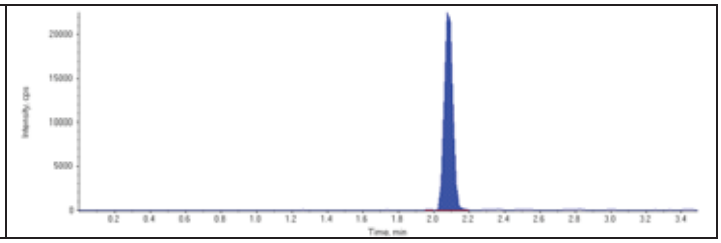
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



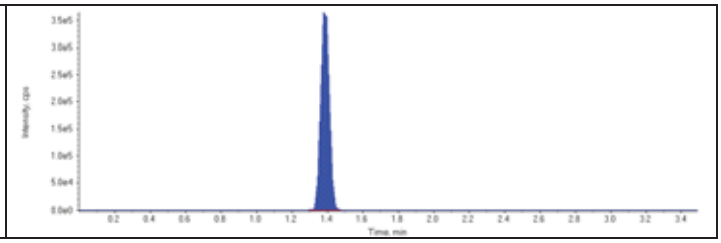
M2 8:2 FTS (Internal Standard)

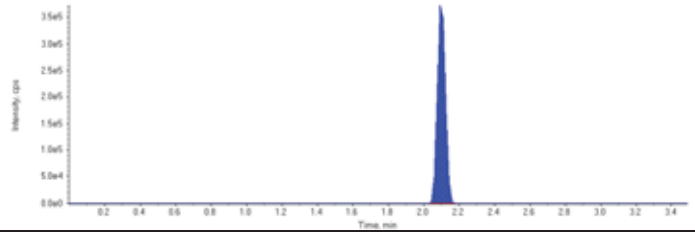
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

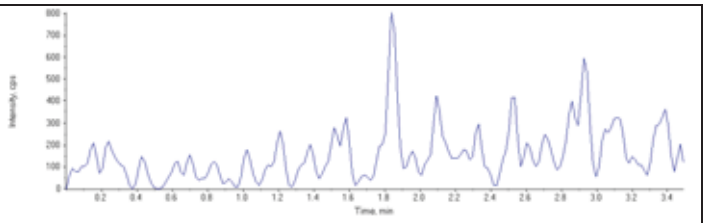
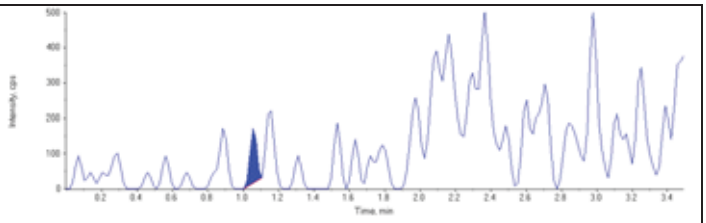
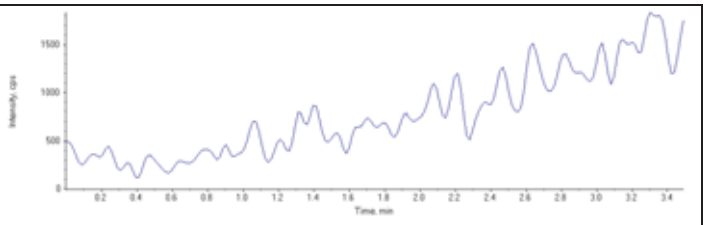
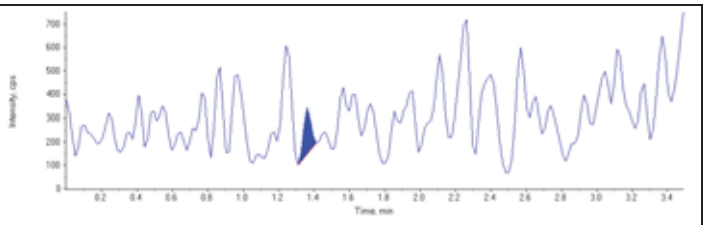
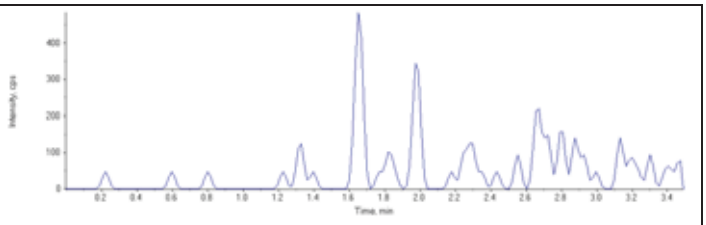
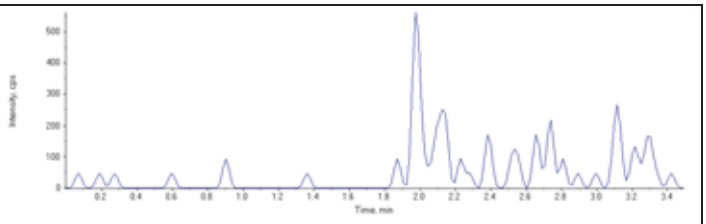


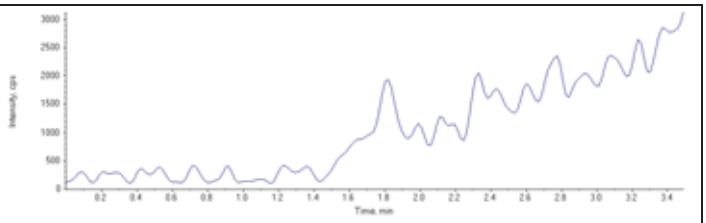
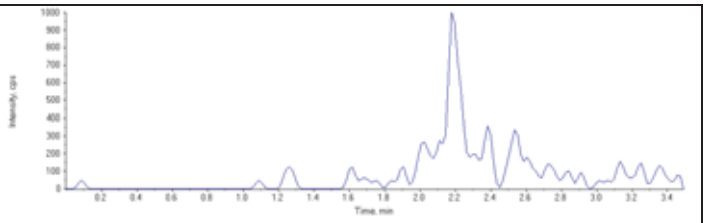
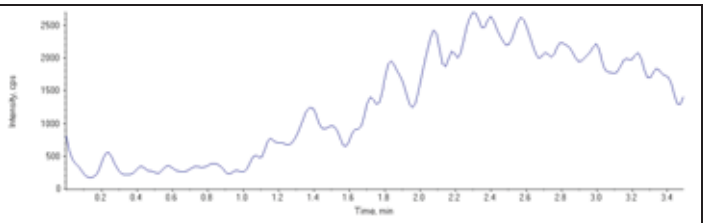
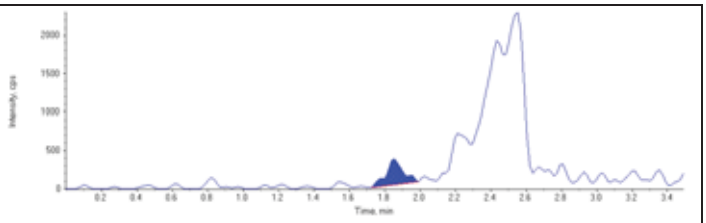
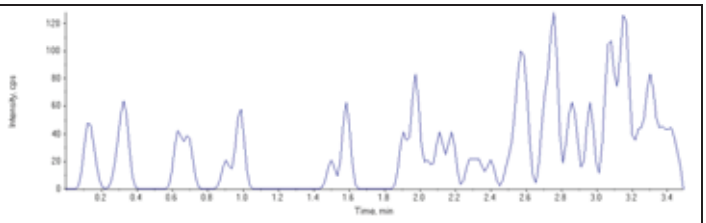
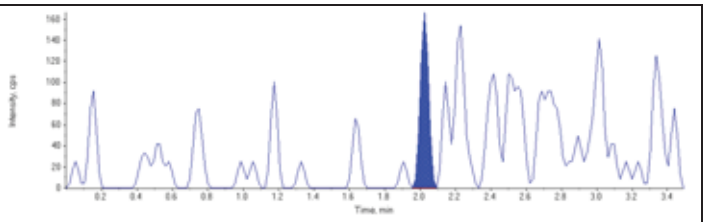
13C6-PFHxA IS (Internal Standard)

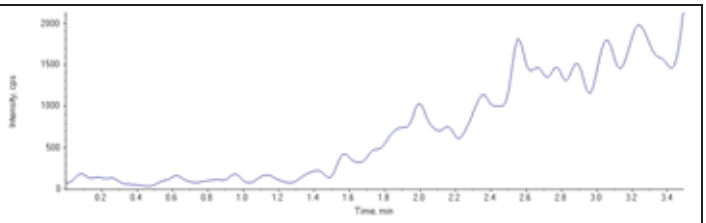
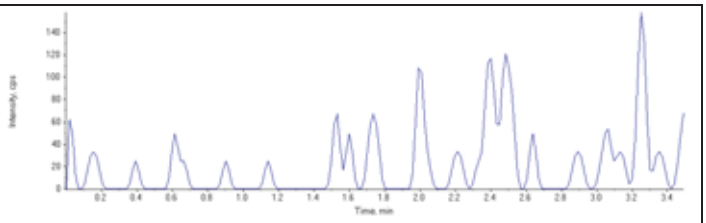
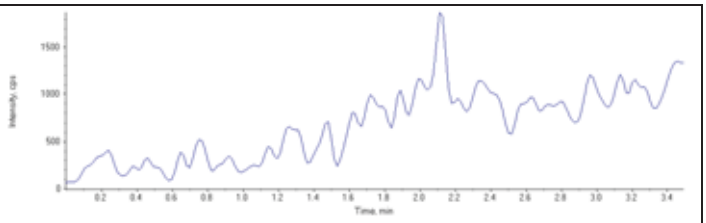
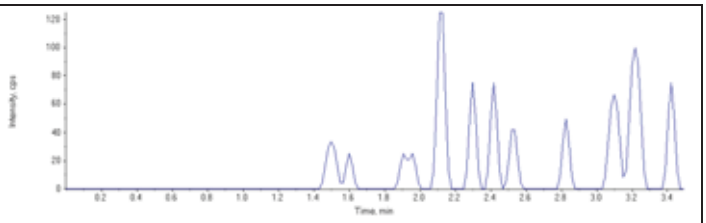
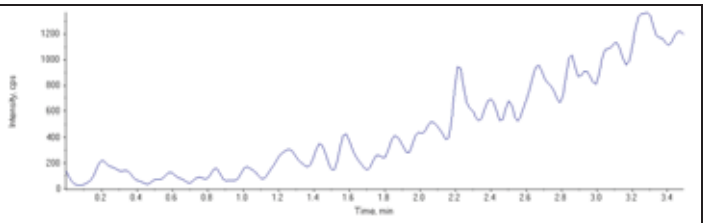
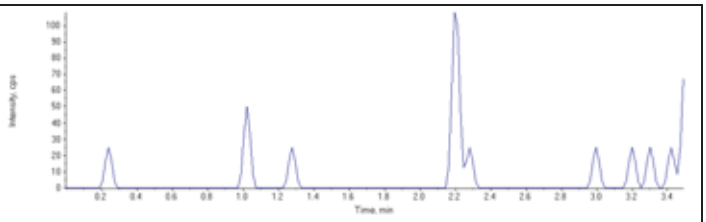
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

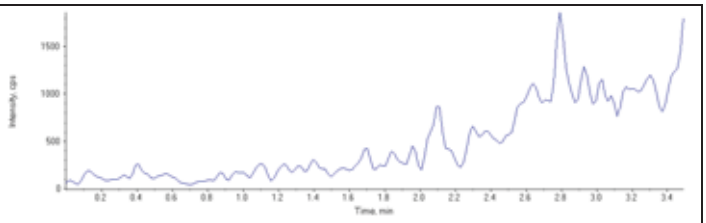
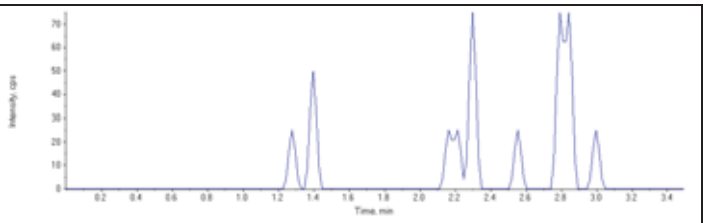
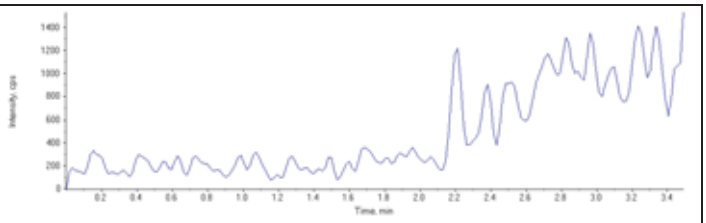
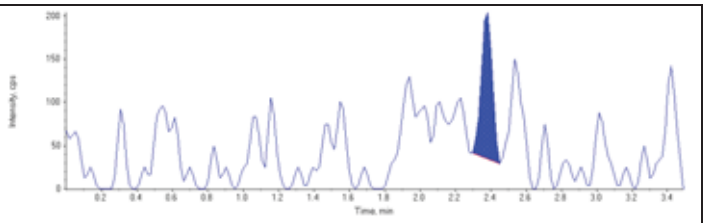
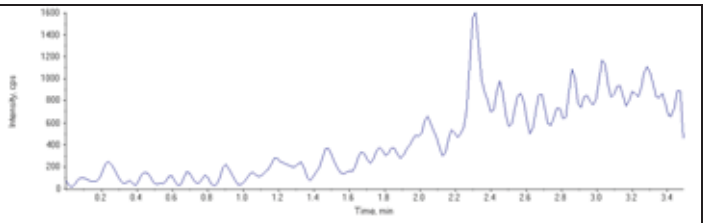
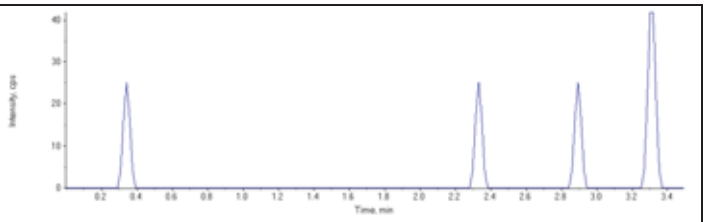


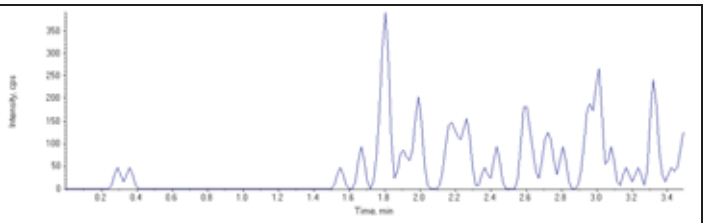
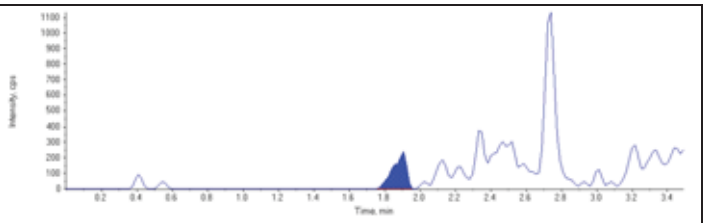
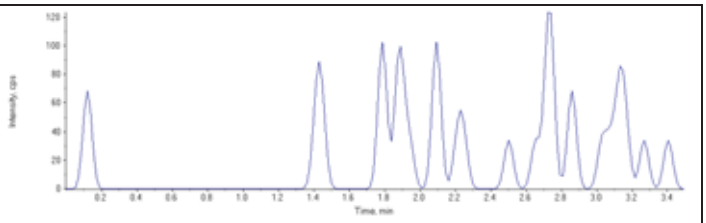
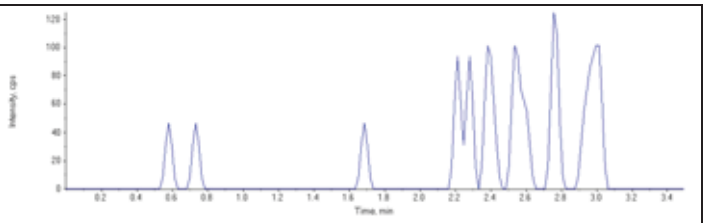
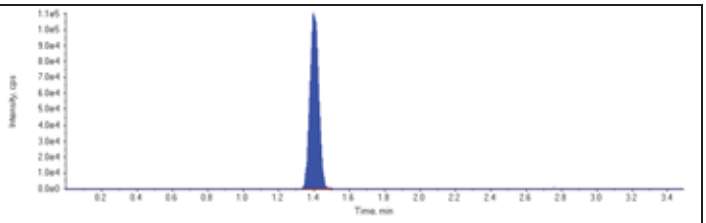
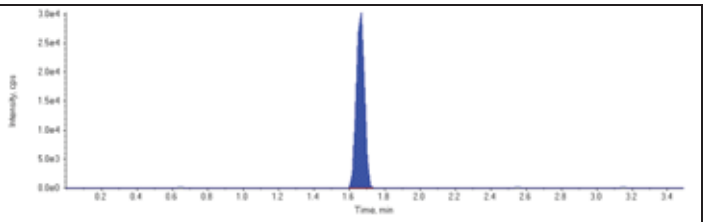
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

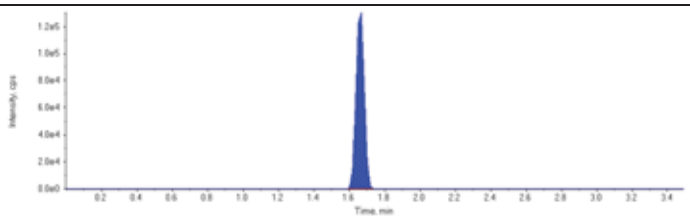
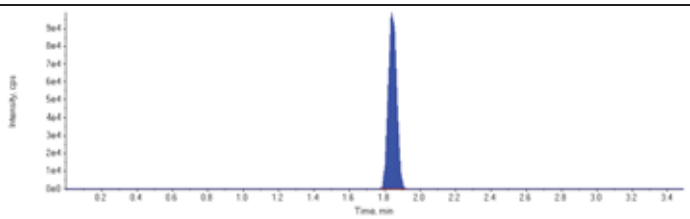
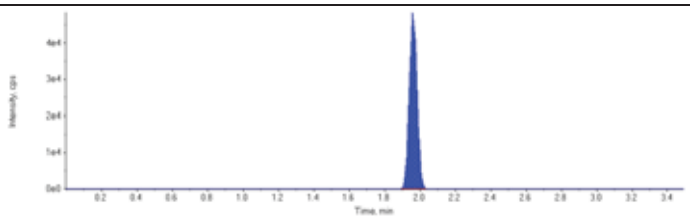
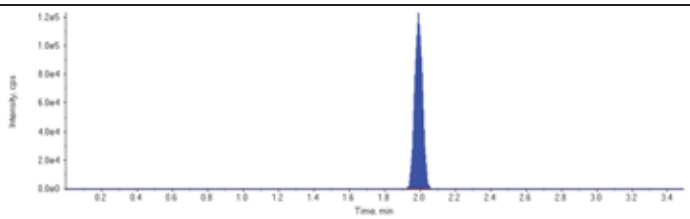
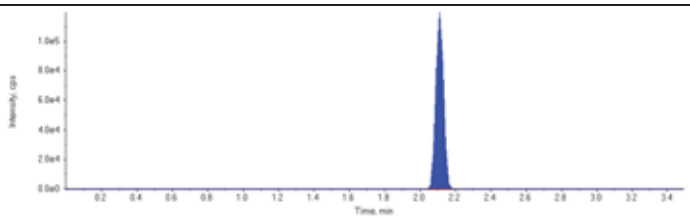
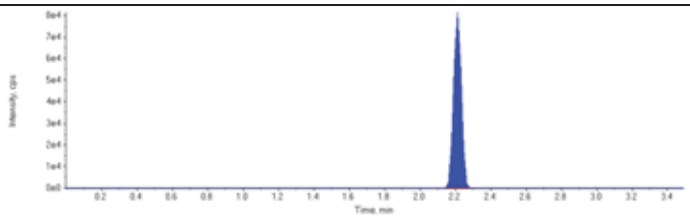
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.06 (1.09) min Calculated Conc: 0.00416 µg/L Area Ratio: 0.00432 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.36 (1.41) min Calculated Conc: 0.00342 µg/L Area Ratio: 0.00151 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

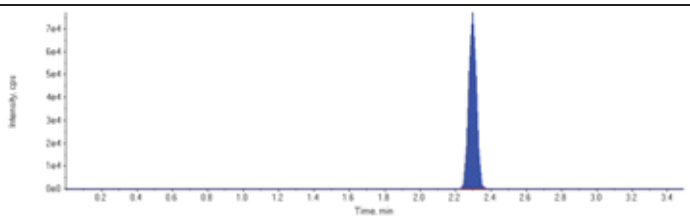
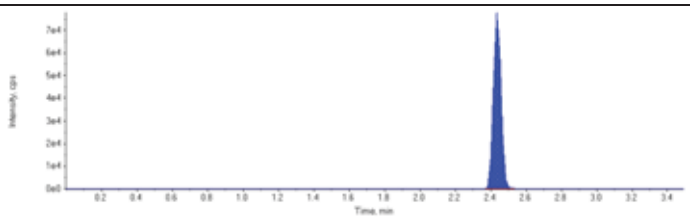
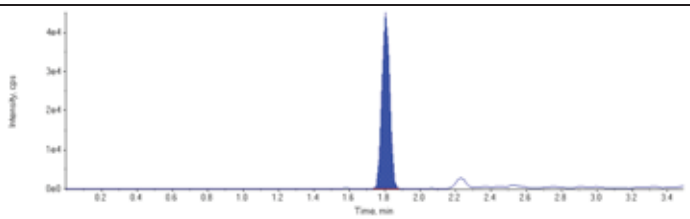
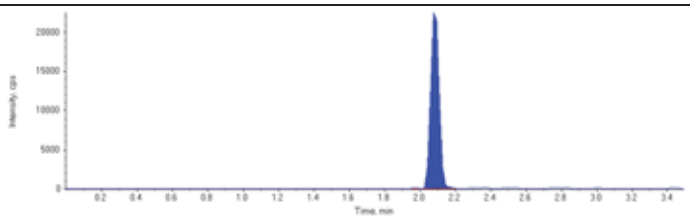
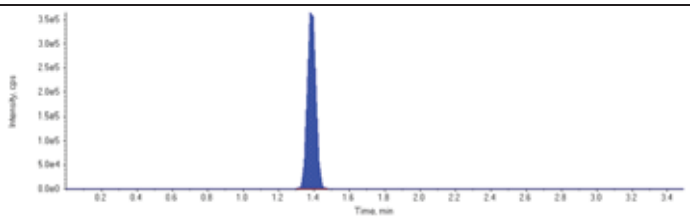
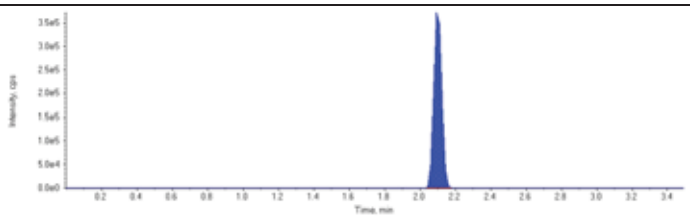
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 0.00634 µg/L Area Ratio: 0.00713 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.96) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 2.03 (1.96) min Calculated Conc: 0.00400 µg/L Area Ratio: 0.00361 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 0.00 (2.11) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.38 (2.37) min Calculated Conc: 0.00220 µg/L Area Ratio: 0.00310 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.90) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.90 (1.80) min Calculated Conc: 0.00408 µg/L Area Ratio: 0.00937 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 93.3 µg/L Area Ratio: 0.300 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 90.6 µg/L Area Ratio: 0.0781 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 105. µg/L Area Ratio: 0.346 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 93.3 µg/L Area Ratio: 0.257 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 95.0 µg/L Area Ratio: 0.120 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 101. µg/L Area Ratio: 0.295 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 95.5 µg/L Area Ratio: 0.296 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 89.0 µg/L Area Ratio: 0.205 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 86.4 µg/L Area Ratio: 0.192 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 80.2 µg/L Area Ratio: 0.196 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 91.2 µg/L Area Ratio: 0.109 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 91.1 µg/L Area Ratio: 0.0607 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.35 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.42 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

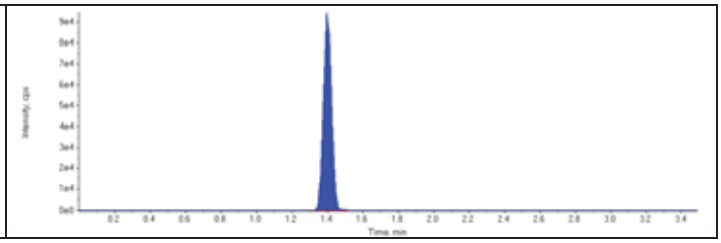
Sample ID	4988945~EJI412-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	27
Acquisition Date	2017/05/23 3:56:04 PM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for PFOS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	309000.	1.40	1.00	-
MPFHxS	80000.	1.66	1.00	-
MPFHpA	311000.	1.66	1.00	-
MPFOA	255000.	1.84	1.00	-
MPFOS	95000.	1.96	1.00	-
MPFNA	267000.	1.99	1.00	-
MPFDA	268000.	2.11	1.00	-
MPFUnA	210000.	2.21	1.00	-
MPFDoA	188000.	2.30	1.00	-
MPFTeDA	182000.	2.44	1.00	-
M2 6:2 FTS	106000.	1.81	1.00	-
M2 8:2 FTS	58800.	2.08	1.00	-
13C6-PFHxA IS	1200000.	1.38	0.833	-
13C9-PFDA IS	1310000.	2.10	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	6500	1.09	N/A	0.367	N/A
PFHxA 1	135000	1.40	N/A	1.40	N/A
PFHxA 2	8920	1.40	N/A	1.46	N/A
PFHxS 1	118000	1.66	N/A	2.18	N/A
PFHxS 2	36600	1.66	N/A	2.29	N/A
PFHpA 1	144000	1.66	N/A	1.51	N/A
PFHpA 2	2170	1.67	N/A	0.958	N/A
PFOA 1	44000	1.85	N/A	0.691	N/A
PFOA 2	20600	1.84	N/A	0.793	N/A
PFOS 1	657000	1.95	N/A	17.9	N/A
PFOS 2	185000	1.96	N/A	16.2	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	1690	1.99	N/A	0.156	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	749	2.11	N/A	0.153	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	44400	1.81	N/A	2.16	N/A
6:2-FTS 2	32000	1.81	N/A	2.15	N/A
8:2-FTS 1	7090	2.09	N/A	0.517	N/A
8:2-FTS 2	2420	2.08	N/A	0.514	N/A
13C2-PFHxA	309000	1.40	N/A	80.1	N/A
18O2-PFHxS	80000	1.66	N/A	77.3	N/A
13C4-PFHpA	311000	1.66	N/A	78.2	N/A
13C4-PFOA	255000	1.84	N/A	77.3	N/A
13C4-PFOS	95000	1.96	N/A	62.3	N/A
13C5-PFNA	267000	1.99	N/A	75.8	N/A
13C2-PFDA	268000	2.11	N/A	66.0	N/A
13C2-PFUnA	210000	2.21	N/A	69.6	N/A
13C2-PFDoA	188000	2.30	N/A	64.3	N/A
13C2-PFTeDA	182000	2.44	N/A	56.9	N/A
13C2-6:2-FTS	106000	1.81	N/A	73.9	N/A
13C2-8:2 FTS	58800	2.08	N/A	73.5	N/A
13C6-PFHxA	1200000	1.38	N/A	113.	N/A
13C9-PFDA	1310000	2.10	N/A	131.	N/A

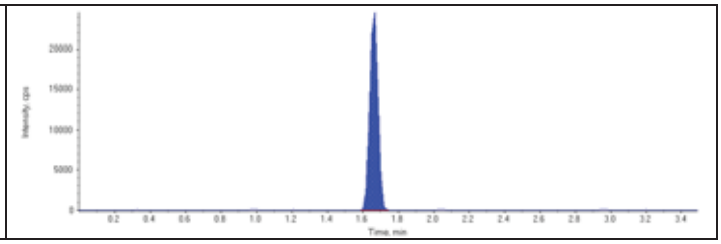
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



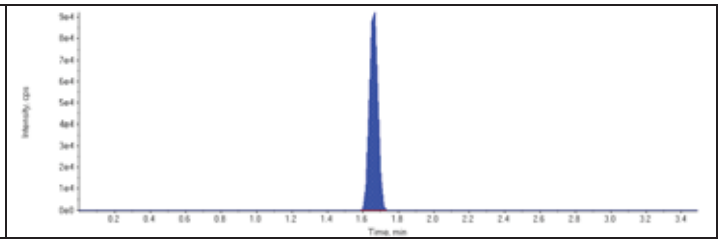
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



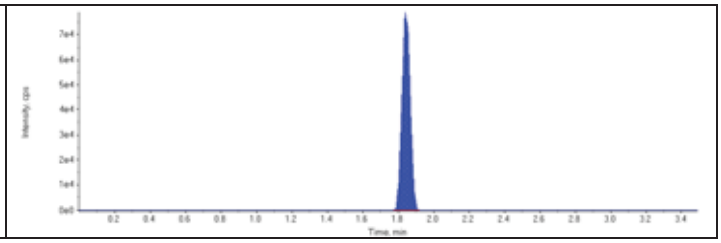
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



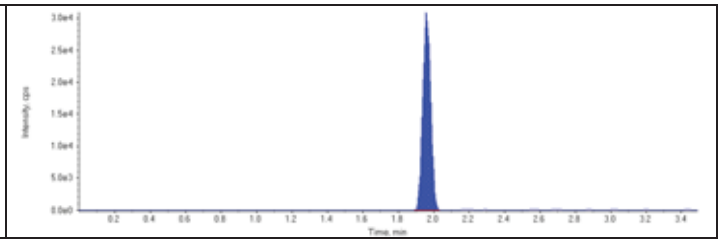
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



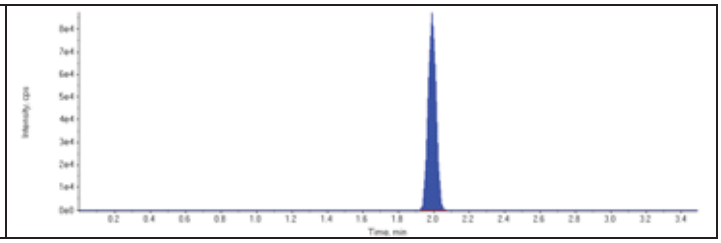
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



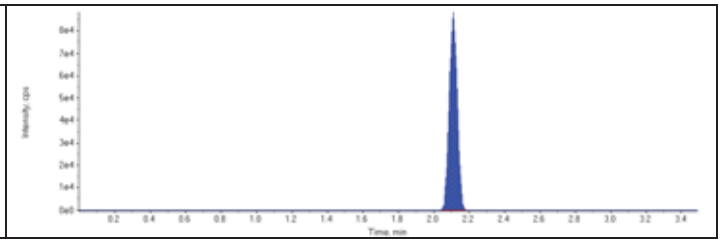
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



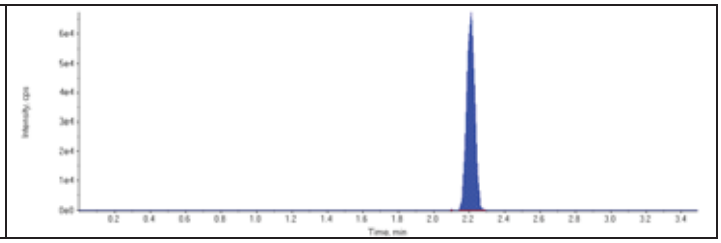
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



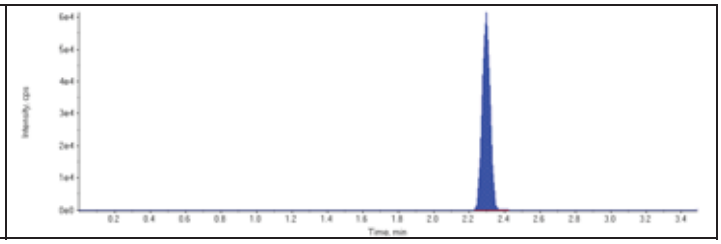
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



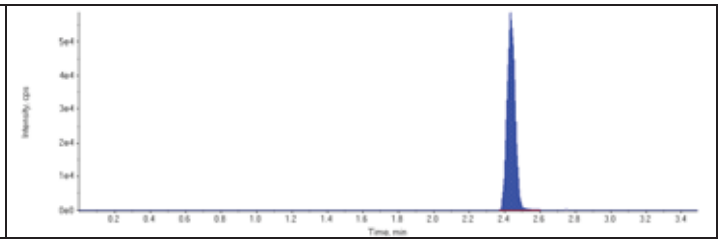
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



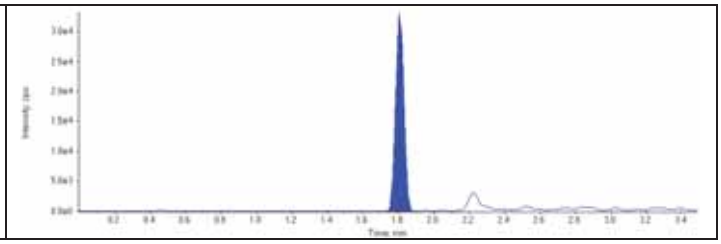
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



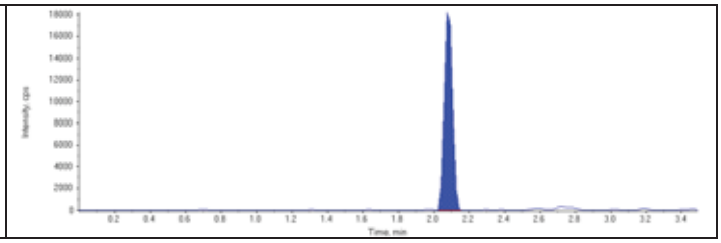
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



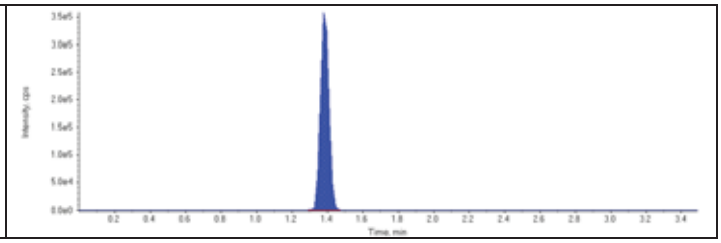
M2 8:2 FTS (Internal Standard)

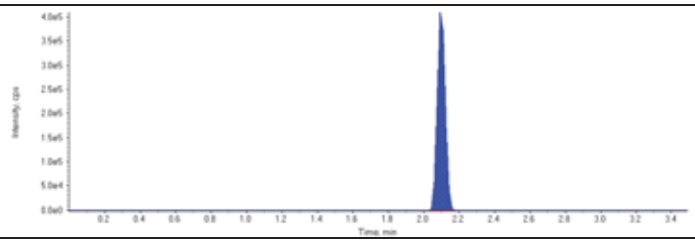
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

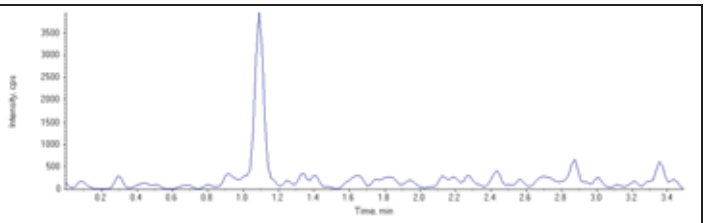
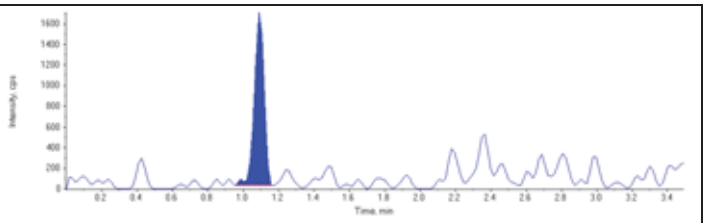
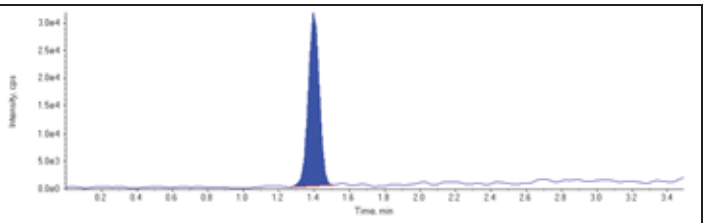
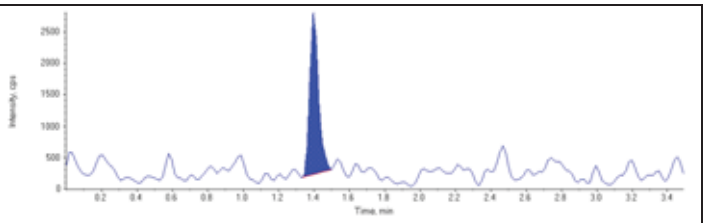
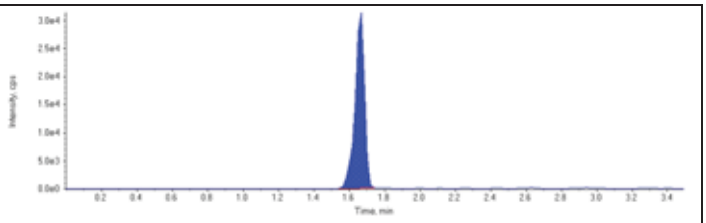
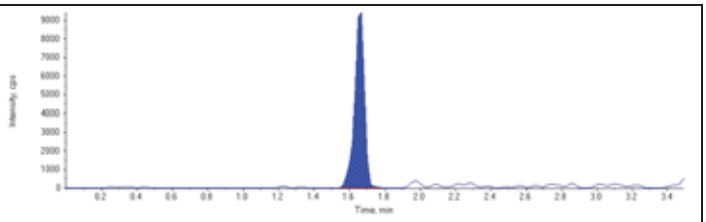


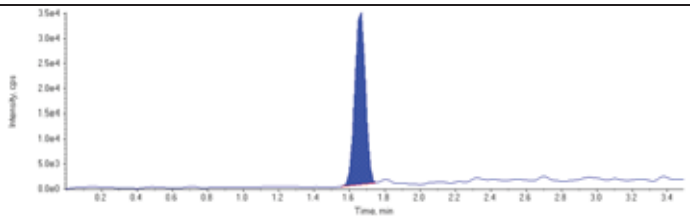
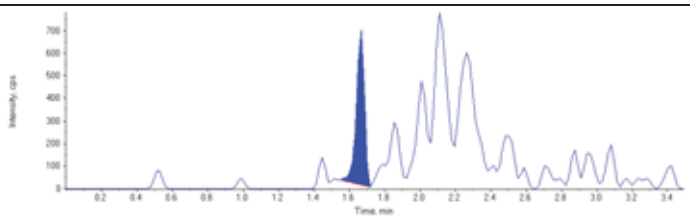
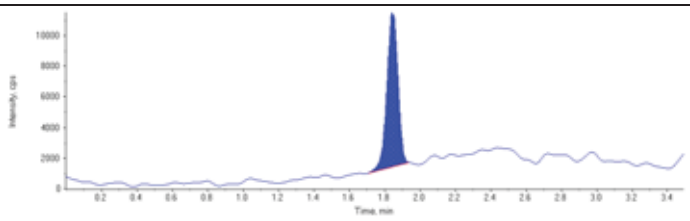
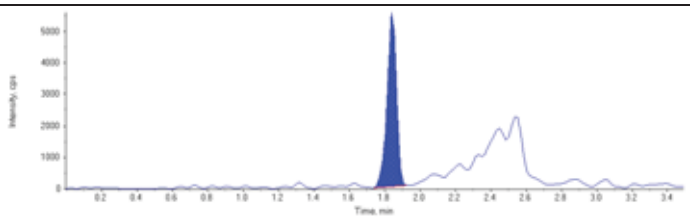
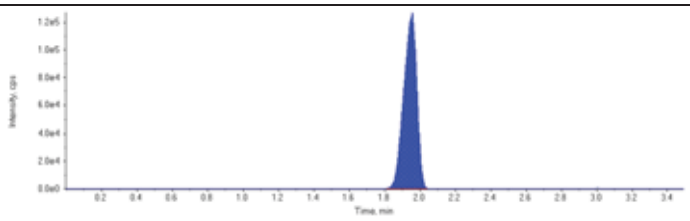
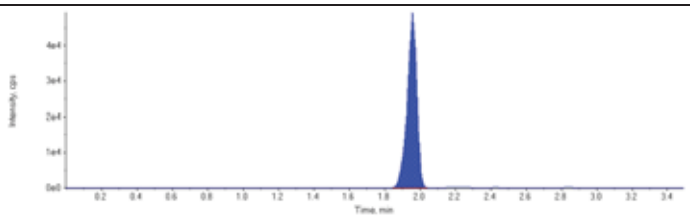
13C6-PFHxA IS (Internal Standard)

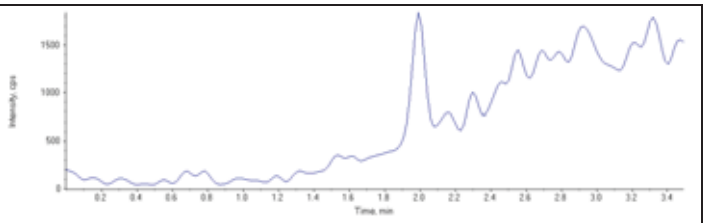
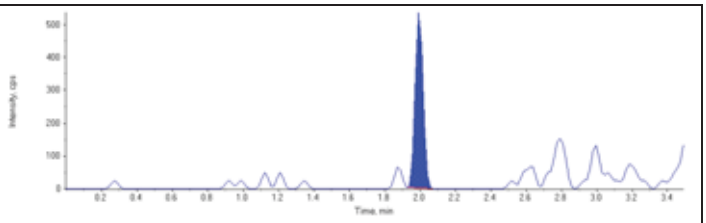
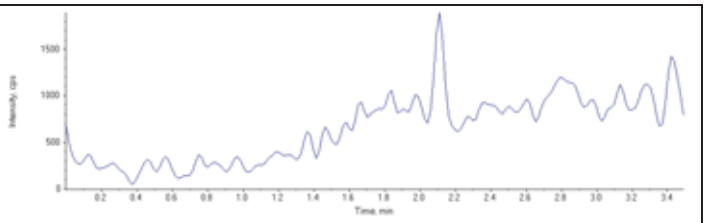
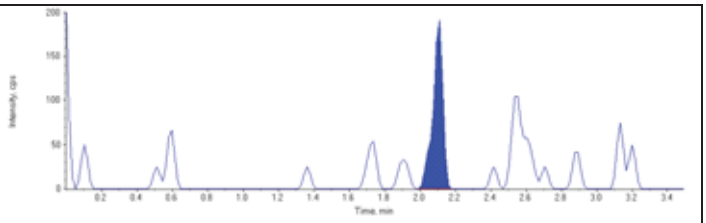
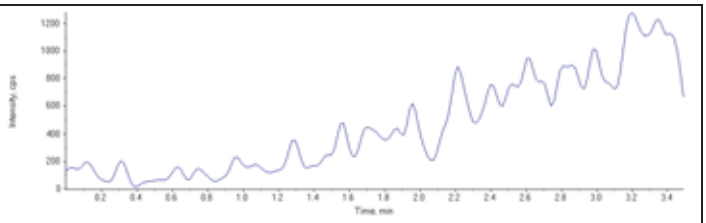
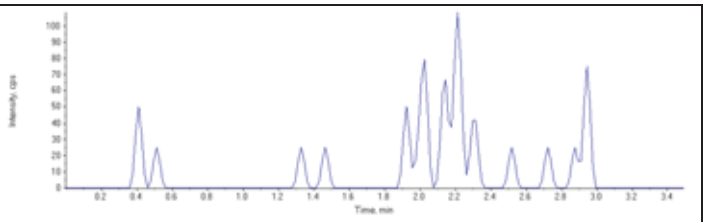
RT (Exp. RT): 1.38(1.40) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

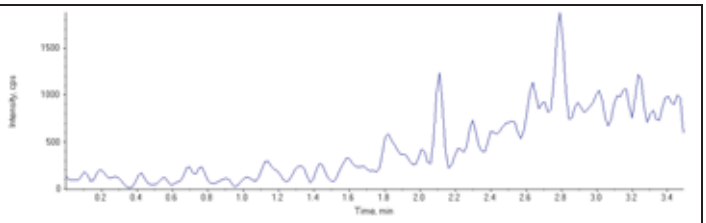
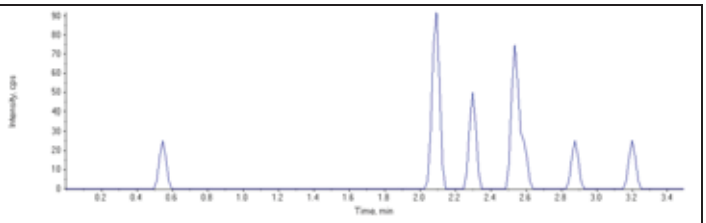
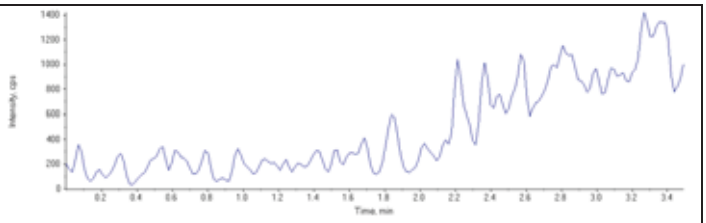
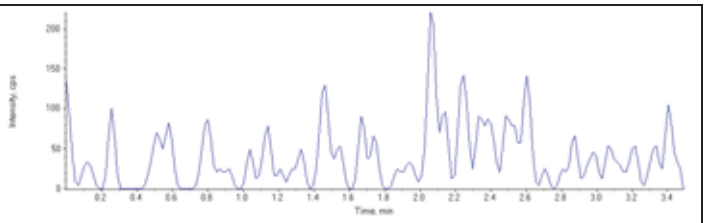
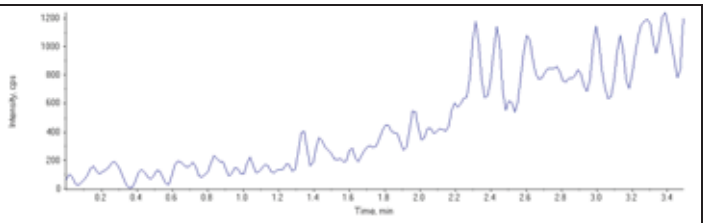
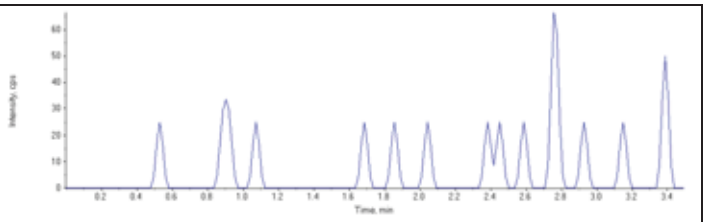


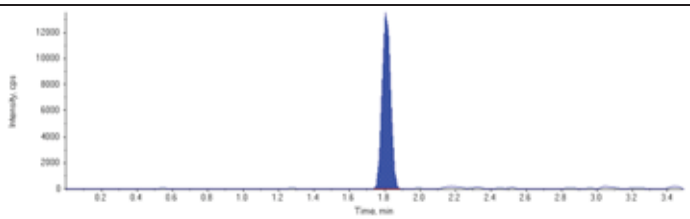
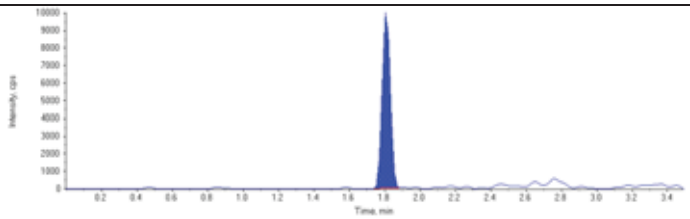
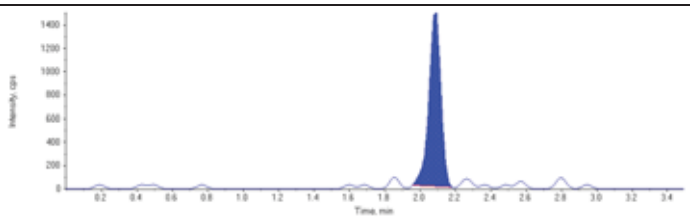
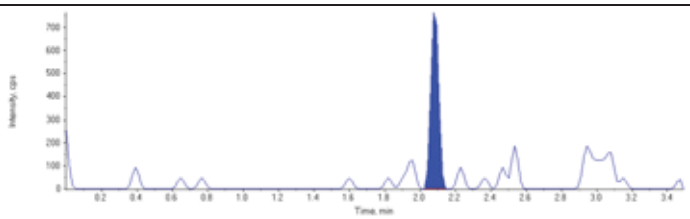
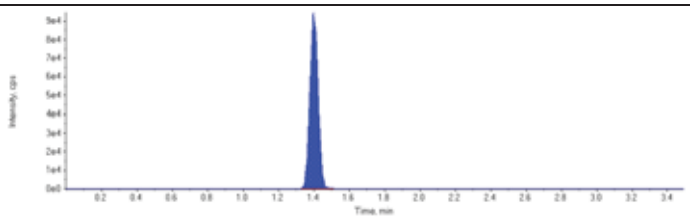
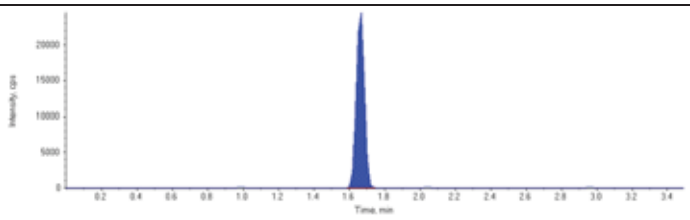
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

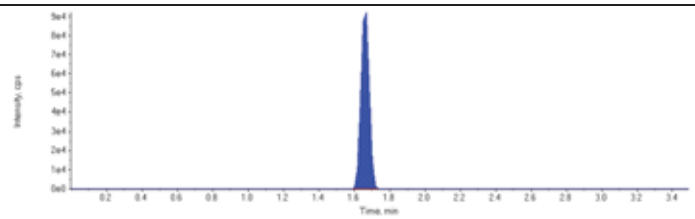
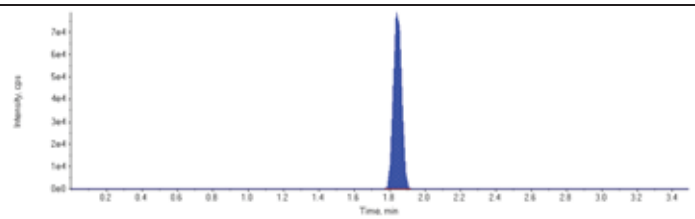
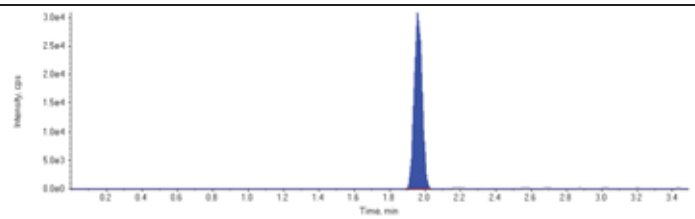
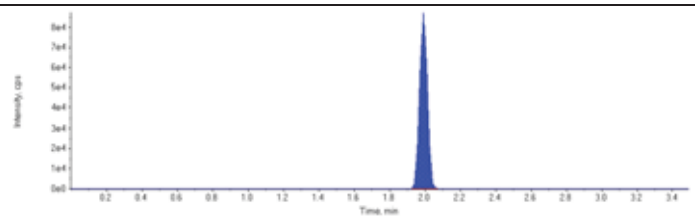
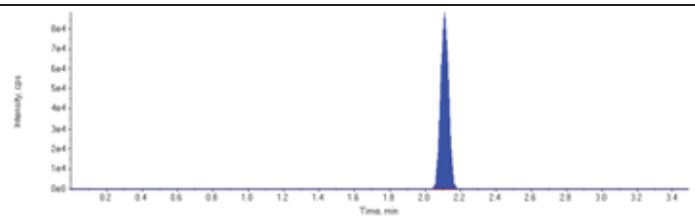
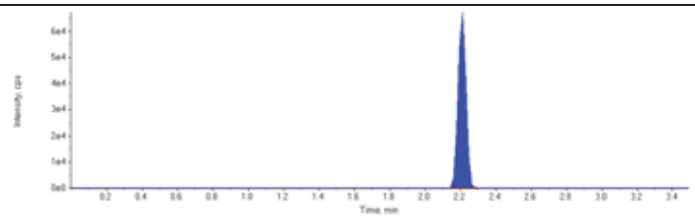
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.367 µg/L Area Ratio: 0.0812 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 1.40 µg/L Area Ratio: 0.437 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 1.46 µg/L Area Ratio: 0.0288 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.18 µg/L Area Ratio: 1.48 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.29 µg/L Area Ratio: 0.458 Sample Type: (Unknown)	

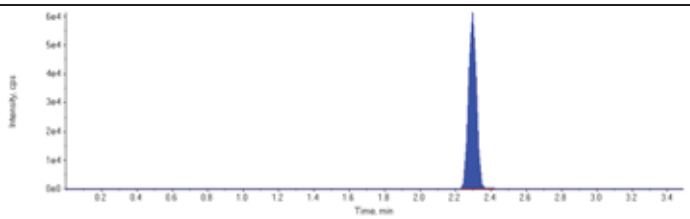
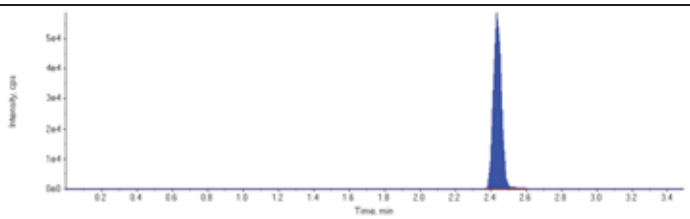
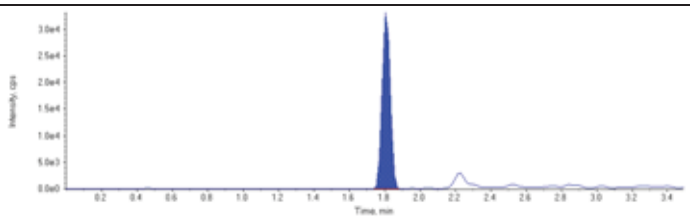
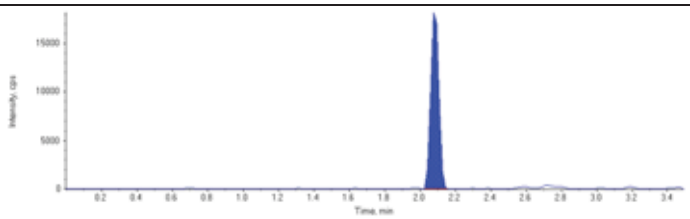
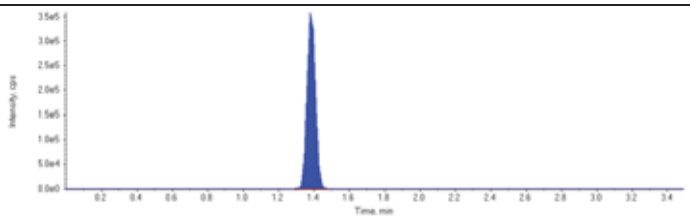
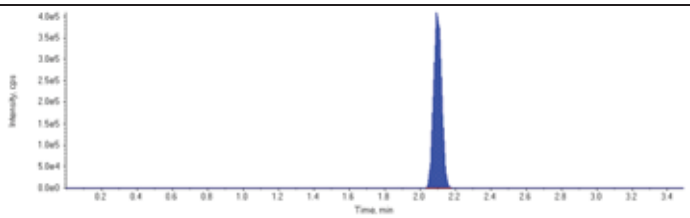
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.51 µg/L Area Ratio: 0.465 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 0.958 µg/L Area Ratio: 0.00699 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 0.691 µg/L Area Ratio: 0.172 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.793 µg/L Area Ratio: 0.0806 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 17.9 µg/L Area Ratio: 6.92 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 16.2 µg/L Area Ratio: 1.95 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.156 µg/L Area Ratio: 0.00632 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.153 µg/L Area Ratio: 0.00280 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 0.00 (2.37) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 2.16 µg/L Area Ratio: 0.419 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 2.15 µg/L Area Ratio: 0.302 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 0.517 µg/L Area Ratio: 0.121 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 0.514 µg/L Area Ratio: 0.0413 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 80.1 µg/L Area Ratio: 0.258 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 77.3 µg/L Area Ratio: 0.0667 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 78.2 µg/L Area Ratio: 0.259 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 77.3 µg/L Area Ratio: 0.213 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 62.3 µg/L Area Ratio: 0.0791 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 75.8 µg/L Area Ratio: 0.222 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 66.0 µg/L Area Ratio: 0.205 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 69.6 µg/L Area Ratio: 0.160 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 64.3 µg/L Area Ratio: 0.143 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 56.9 µg/L Area Ratio: 0.139 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 73.9 µg/L Area Ratio: 0.0883 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 73.5 µg/L Area Ratio: 0.0490 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 113. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 131. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

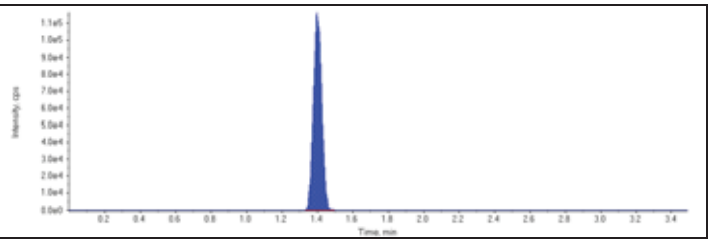
Sample ID	4988945~EJI412-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	28
Acquisition Date	2017/05/23 4:01:08 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for all, except PFOS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	380000.	1.40	1.00	-
MPFHxS	107000.	1.66	1.00	-
MPFHpA	403000.	1.66	1.00	-
MPFOA	344000.	1.84	1.00	-
MPFOS	133000.	1.96	1.00	-
MPFNA	399000.	1.99	1.00	-
MPFDA	331000.	2.11	1.00	-
MPFUnA	243000.	2.21	1.00	-
MPFDoA	221000.	2.30	1.00	-
MPFTeDA	205000.	2.44	1.00	-
M2 6:2 FTS	138000.	1.81	1.00	-
M2 8:2 FTS	67800.	2.09	1.00	-
13C6-PFHxA IS	1270000.	1.38	4.17	-
13C9-PFDA IS	1030000.	2.10	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	105000	1.09	N/A	0.259	N/A
PFBS 2	57300	1.09	N/A	0.262	N/A
PFHxA 1	886000	1.40	N/A	1.32	N/A
PFHxA 2	45000	1.40	N/A	1.14	N/A
PFHxS 1	860000	1.66	N/A	2.25	N/A
PFHxS 2	262000	1.66	N/A	2.31	N/A
PFHpA 1	938000	1.66	N/A	1.44	N/A
PFHpA 2	15400	1.66	N/A	1.25	N/A
PFOA 1	351000	1.84	N/A	0.584	N/A
PFOA 2	146000	1.84	N/A	0.606	N/A
PFOS 1	4360000	1.95	N/A	16.8	N/A
PFOS 2	1180000	1.96	N/A	14.7	N/A
PFNA 1	40100	1.99	N/A	0.0838	N/A
PFNA 2	10500	1.99	N/A	0.0816	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1110	2.11	N/A	0.0323	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	273000	1.81	N/A	1.83	N/A
6:2-FTS 2	207000	1.81	N/A	2.01	N/A
8:2-FTS 1	40500	2.09	N/A	0.330	N/A
8:2-FTS 2	19000	2.09	N/A	0.415	N/A
13C2-PFHxA	380000	1.40	N/A	92.9	N/A
18O2-PFHxS	107000	1.66	N/A	97.0	N/A
13C4-PFHpA	403000	1.66	N/A	95.7	N/A
13C4-PFOA	344000	1.84	N/A	98.1	N/A
13C4-PFOS	133000	1.96	N/A	82.3	N/A
13C5-PFNA	399000	1.99	N/A	107.	N/A
13C2-PFDA	331000	2.11	N/A	103.	N/A
13C2-PFUnA	243000	2.21	N/A	102.	N/A
13C2-PFDoA	221000	2.30	N/A	96.2	N/A
13C2-PFTeDA	205000	2.44	N/A	81.4	N/A
13C2-6:2-FTS	138000	1.81	N/A	91.0	N/A
13C2-8:2 FTS	67800	2.09	N/A	79.9	N/A
13C6-PFHxA	1270000	1.38	N/A	23.9	N/A
13C9-PFDA	1030000	2.10	N/A	20.7	N/A

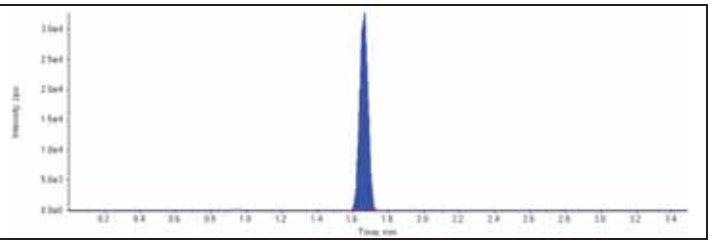
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



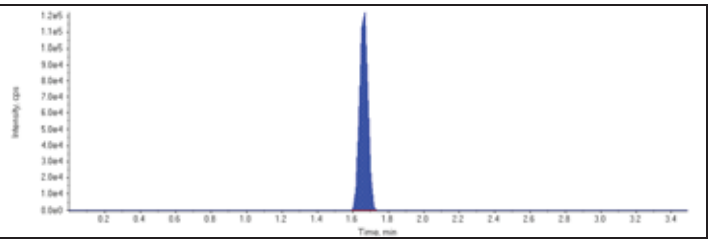
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



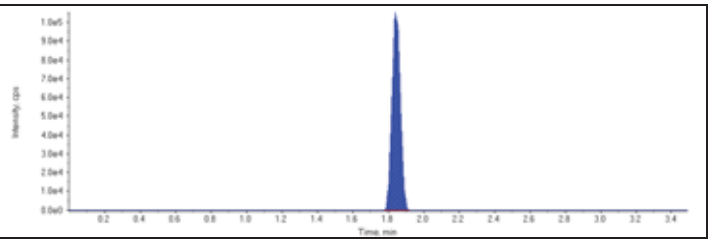
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



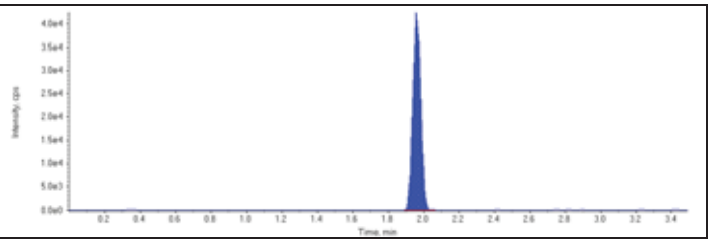
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



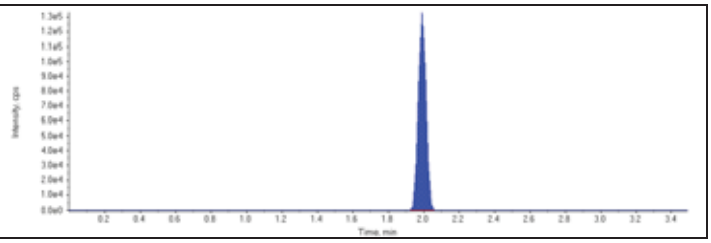
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



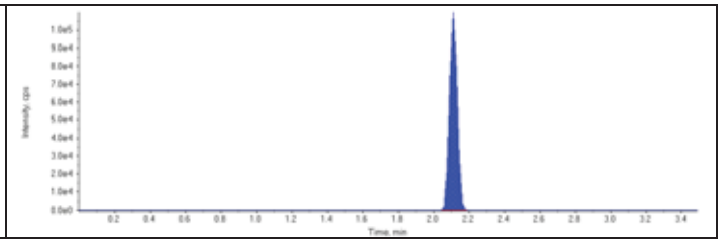
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



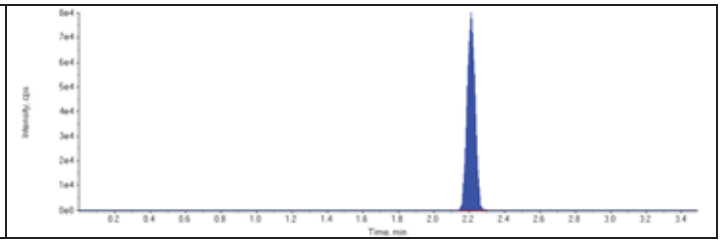
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



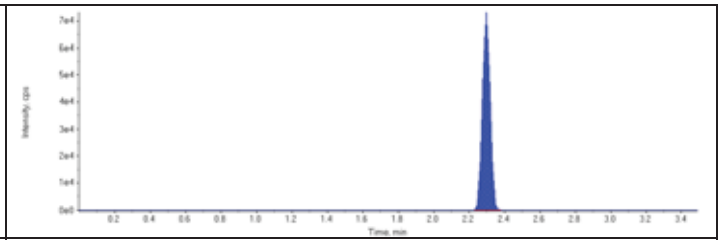
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



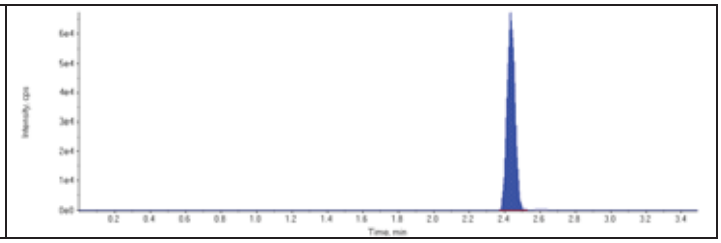
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



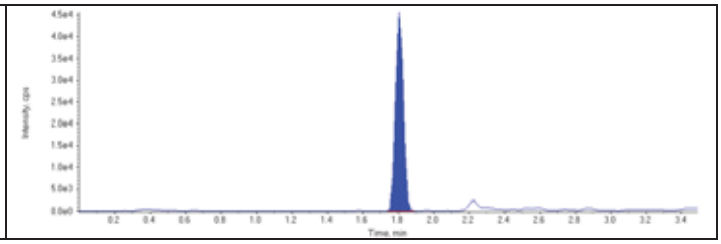
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



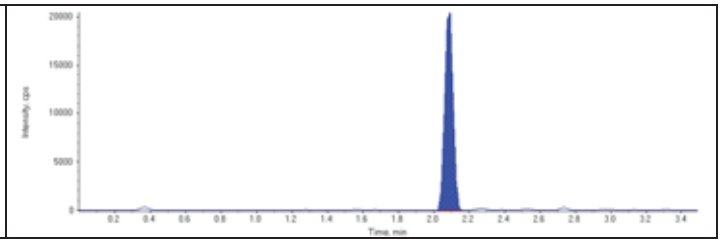
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



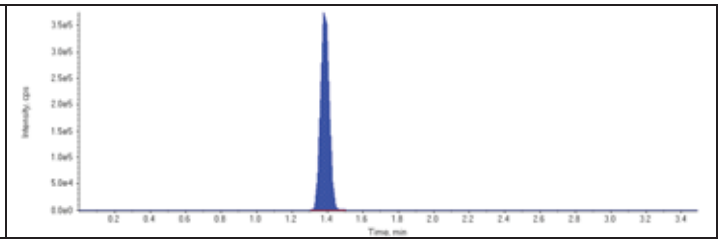
M2 8:2 FTS (Internal Standard)

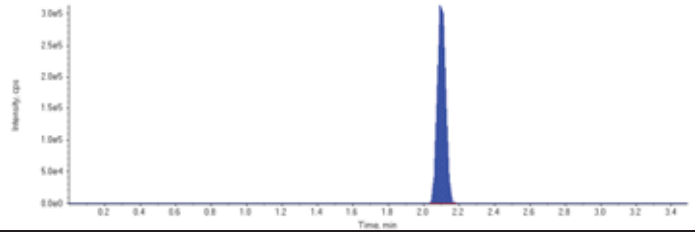
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

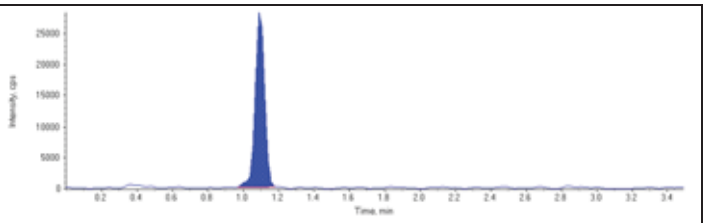
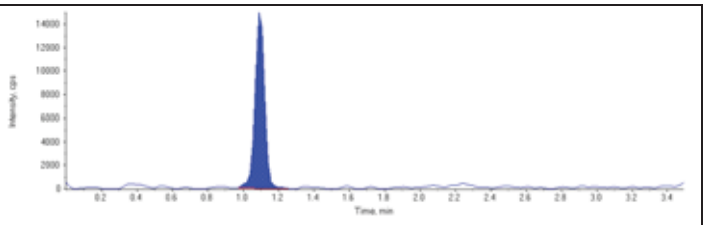
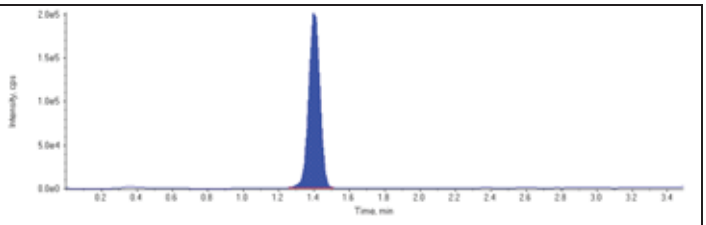
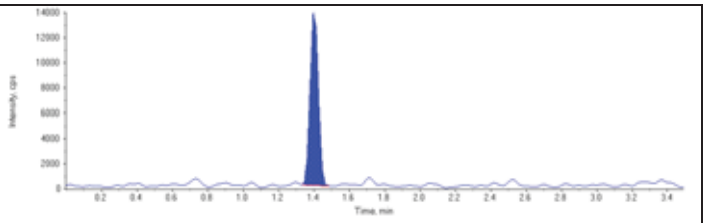
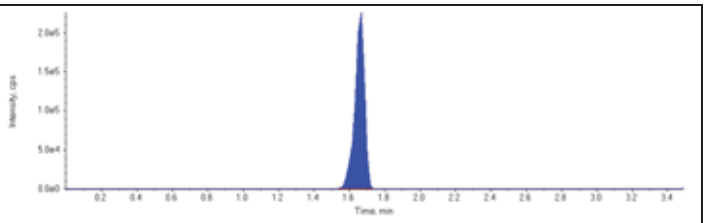
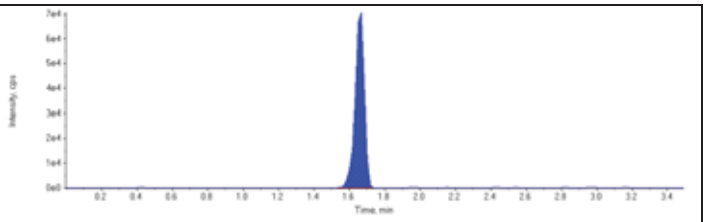


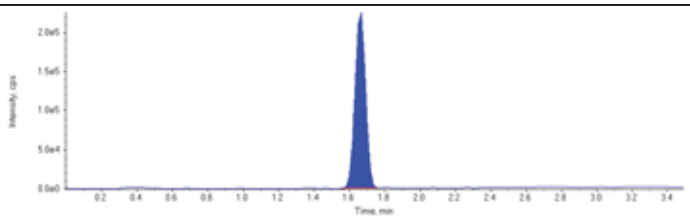
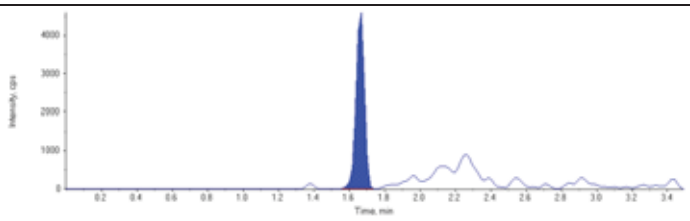
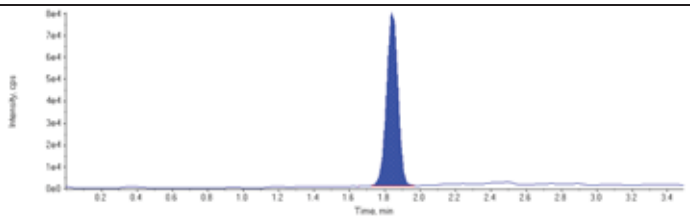
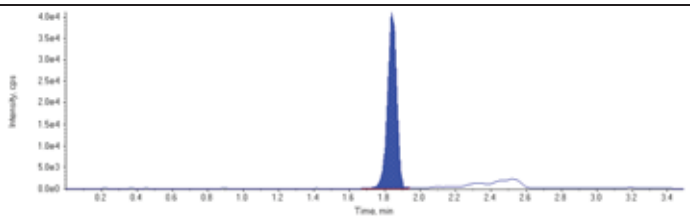
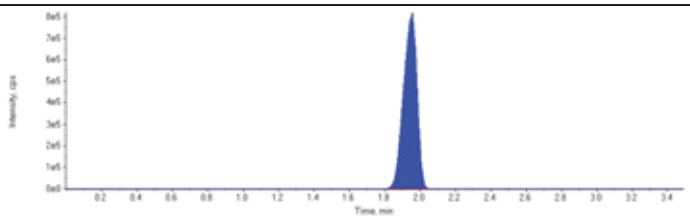
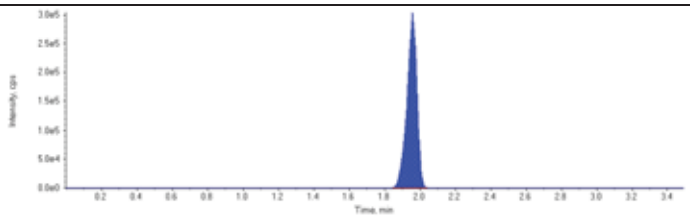
13C6-PFHxA IS (Internal Standard)

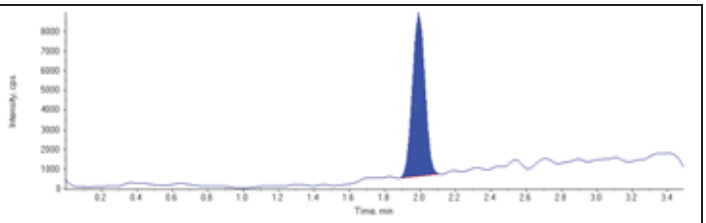
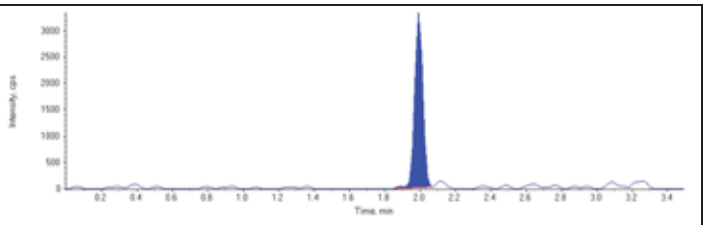
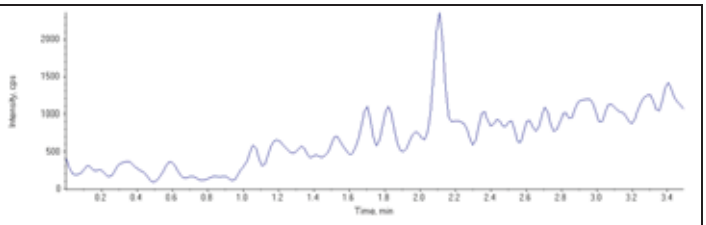
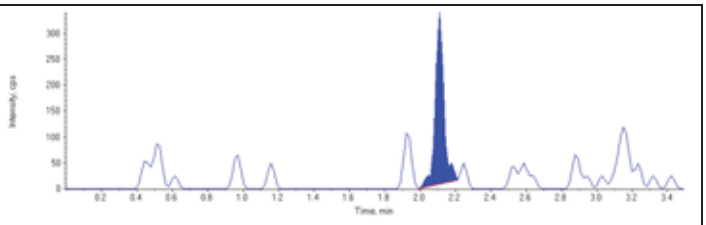
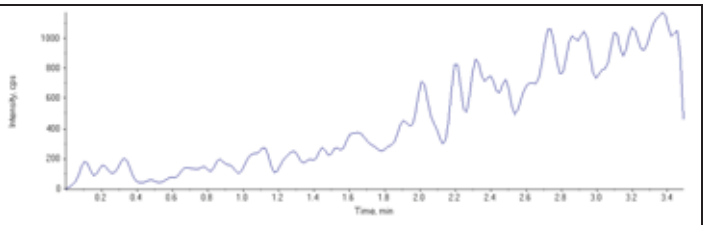
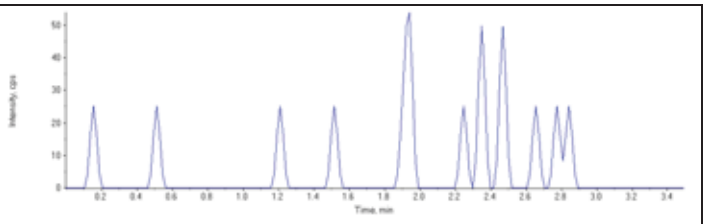
RT (Exp. RT): 1.38(1.40) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

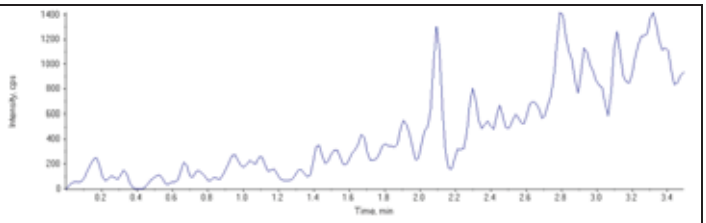
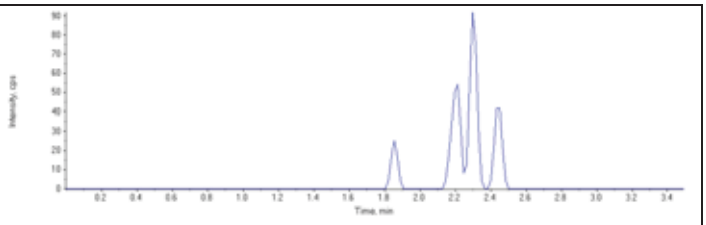
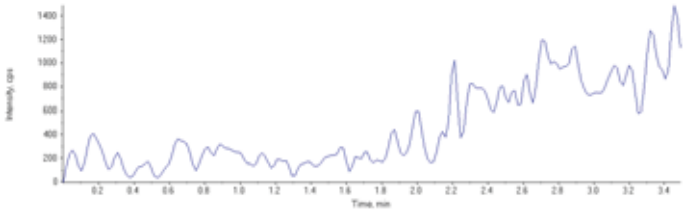
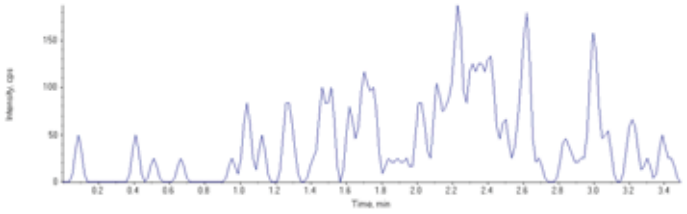
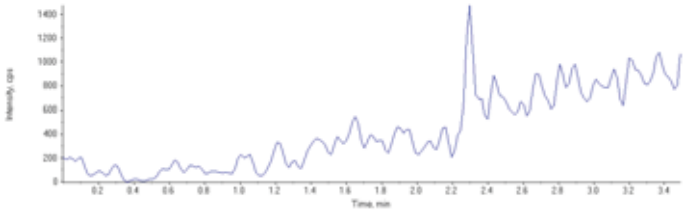
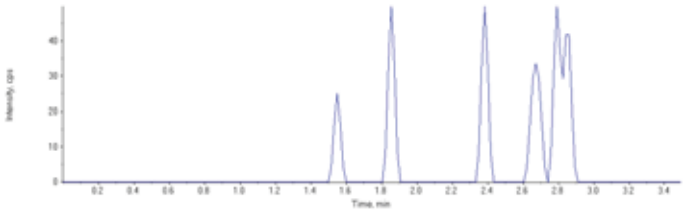


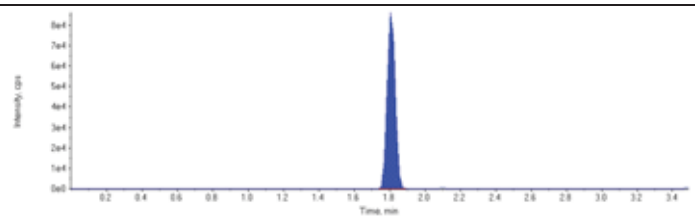
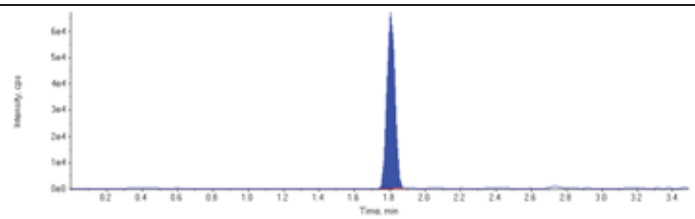
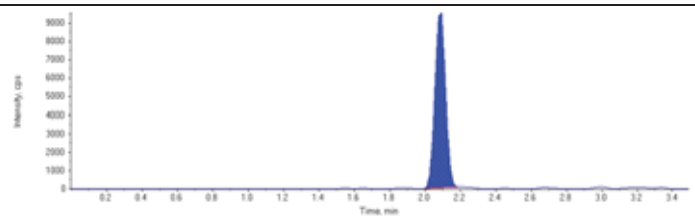
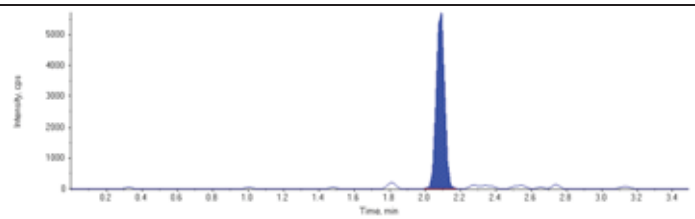
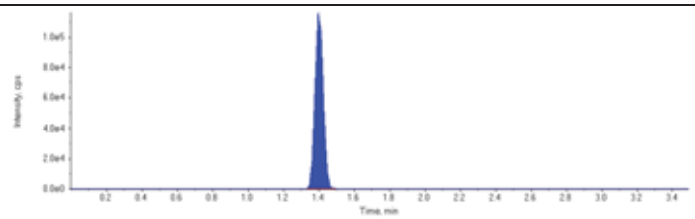
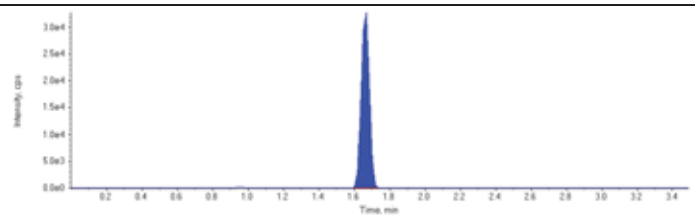
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

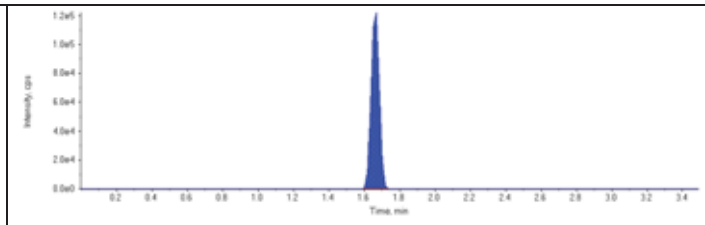
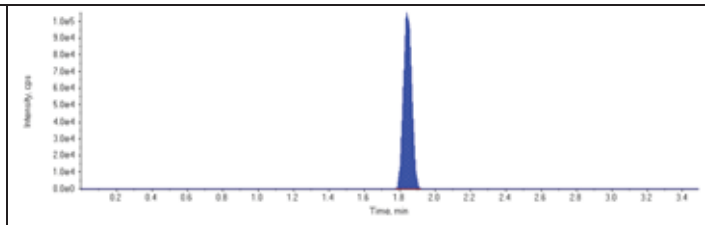
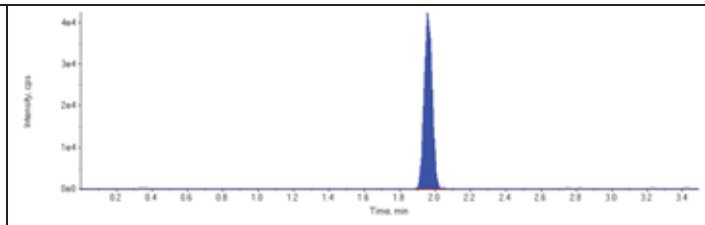
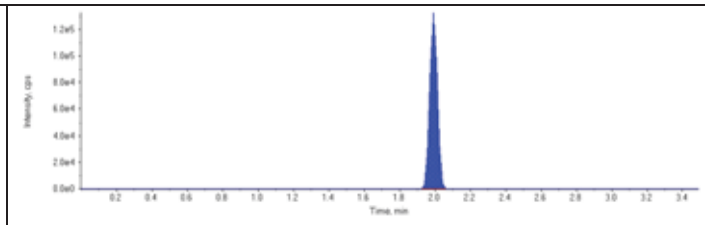
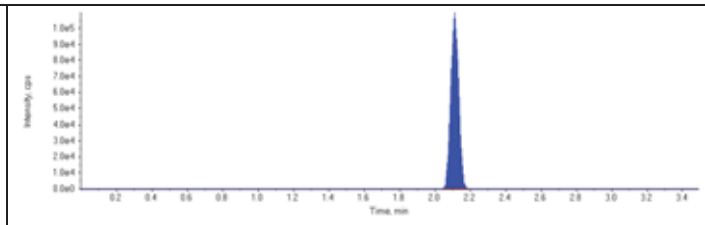
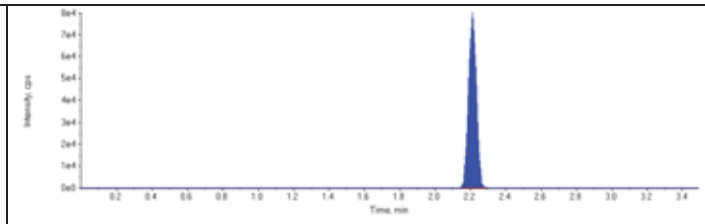
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.259 µg/L Area Ratio: 0.983 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.262 µg/L Area Ratio: 0.538 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 1.32 µg/L Area Ratio: 2.33 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 1.14 µg/L Area Ratio: 0.118 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.25 µg/L Area Ratio: 8.07 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 2.31 µg/L Area Ratio: 2.45 Sample Type: (Unknown)	

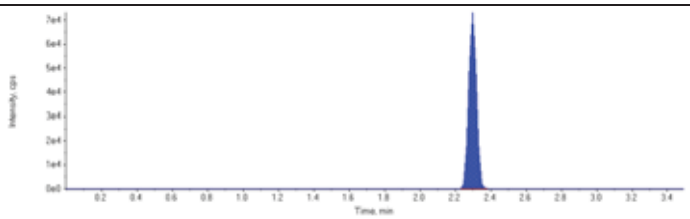
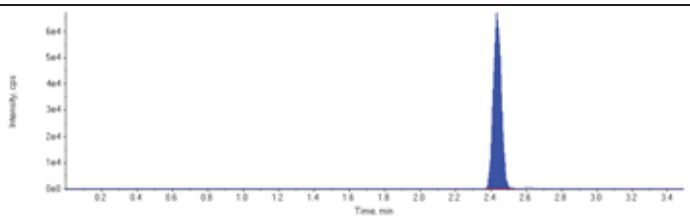
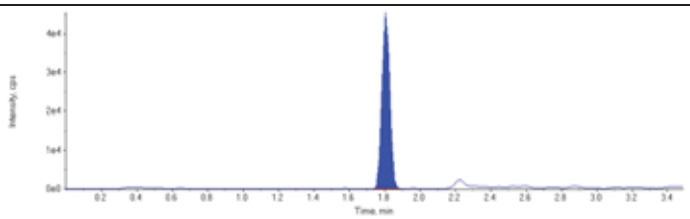
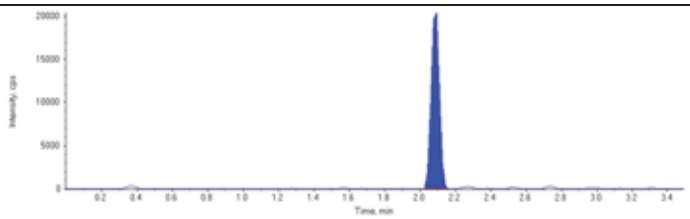
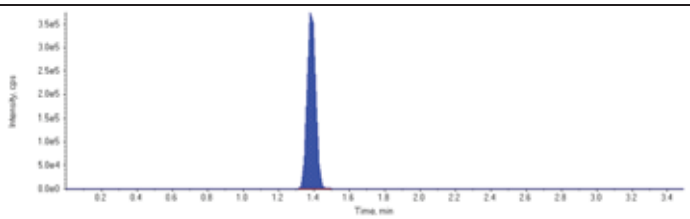
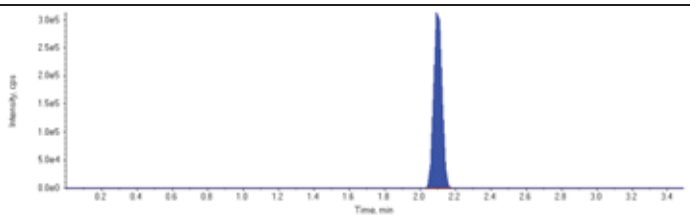
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.44 µg/L Area Ratio: 2.33 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.25 µg/L Area Ratio: 0.0383 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 0.584 µg/L Area Ratio: 1.02 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.606 µg/L Area Ratio: 0.426 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 16.8 µg/L Area Ratio: 32.8 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 14.7 µg/L Area Ratio: 8.90 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0838 µg/L Area Ratio: 0.100 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0816 µg/L Area Ratio: 0.0262 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.0323 µg/L Area Ratio: 0.00337 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 0.00 (2.37) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 1.83 µg/L Area Ratio: 1.97 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 2.01 µg/L Area Ratio: 1.49 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 0.330 µg/L Area Ratio: 0.598 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 0.415 µg/L Area Ratio: 0.281 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 92.9 µg/L Area Ratio: 0.299 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 97.0 µg/L Area Ratio: 0.0836 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 95.7 µg/L Area Ratio: 0.316 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 98.1 µg/L Area Ratio: 0.270 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 82.3 µg/L Area Ratio: 0.104 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 107. µg/L Area Ratio: 0.313 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 103. µg/L Area Ratio: 0.320 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 102. µg/L Area Ratio: 0.235 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 96.2 µg/L Area Ratio: 0.214 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 81.4 µg/L Area Ratio: 0.198 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 91.0 µg/L Area Ratio: 0.109 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 79.9 µg/L Area Ratio: 0.0532 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 23.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 20.7 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

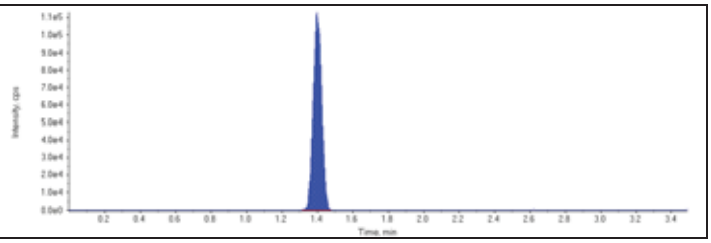
Sample ID	4988945~EJI420-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	29
Acquisition Date	2017/05/23 4:11:16 PM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for PHOS and 6:2-FTS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	373000.	1.40	1.00	-
MPFHxS	112000.	1.66	1.00	-
MPFHpA	374000.	1.66	1.00	-
MPFOA	326000.	1.84	1.00	-
MPFOS	142000.	1.96	1.00	-
MPFNA	319000.	1.99	1.00	-
MPFDA	303000.	2.11	1.00	-
MPFUnA	219000.	2.21	1.00	-
MPFDoA	213000.	2.30	1.00	-
MPFTeDA	203000.	2.44	1.00	-
M2 6:2 FTS	128000.	1.81	1.00	-
M2 8:2 FTS	66900.	2.08	1.00	-
13C6-PFHxA IS	1220000.	1.38	0.833	-
13C9-PFDA IS	1130000.	2.10	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	124000	1.09	N/A	1.41	N/A
PFBS 2	55300	1.09	N/A	1.22	N/A
PFHxA 1	444000	1.40	N/A	3.47	N/A
PFHxA 2	20000	1.40	N/A	2.64	N/A
PFHxS 1	578000	1.66	N/A	7.22	N/A
PFHxS 2	175000	1.66	N/A	7.39	N/A
PFHpA 1	71700	1.66	N/A	0.674	N/A
PFHpA 2	534	1.68	N/A	0.0154	N/A
PFOA 1	88300	1.84	N/A	0.949	N/A
PFOA 2	35400	1.85	N/A	0.973	N/A
PFOS 1	1210000	1.96	N/A	22.0	N/A
PFOS 2	340000	1.96	N/A	19.9	N/A
PFNA 1	8830	1.99	N/A	0.177	N/A
PFNA 2	2600	1.99	N/A	0.179	N/A
PFDA 1	13400	2.11	N/A	0.237	N/A
PFDA 2	2790	2.11	N/A	0.249	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	222	2.13	N/A	0.0571	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	416000	1.81	N/A	14.9	N/A
6:2-FTS 2	289000	1.81	N/A	15.2	N/A
8:2-FTS 1	18000	2.08	N/A	0.869	N/A
8:2-FTS 2	7400	2.09	N/A	0.966	N/A
13C2-PFHxA	373000	1.40	N/A	95.0	N/A
18O2-PFHxS	112000	1.66	N/A	107.	N/A
13C4-PFHpA	374000	1.66	N/A	92.6	N/A
13C4-PFOA	326000	1.84	N/A	97.2	N/A
13C4-PFOS	142000	1.96	N/A	91.9	N/A
13C5-PFNA	319000	1.99	N/A	89.3	N/A
13C2-PFDA	303000	2.11	N/A	86.5	N/A
13C2-PFUnA	219000	2.21	N/A	84.4	N/A
13C2-PFDoA	213000	2.30	N/A	84.6	N/A
13C2-PFTeDA	203000	2.44	N/A	73.5	N/A
13C2-6:2-FTS	128000	1.81	N/A	87.7	N/A
13C2-8:2 FTS	66900	2.08	N/A	82.3	N/A
13C6-PFHxA	1220000	1.38	N/A	114.	N/A
13C9-PFDA	1130000	2.10	N/A	113.	N/A

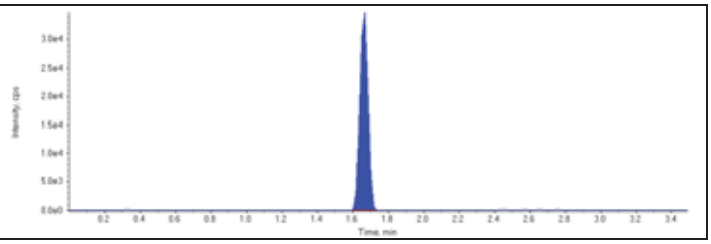
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



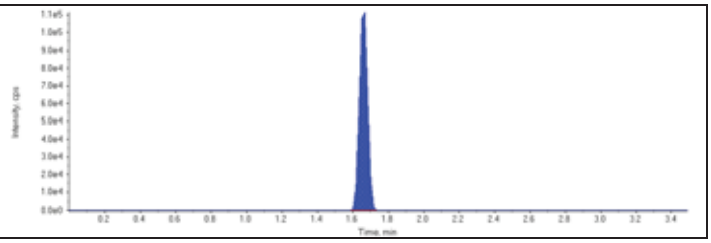
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



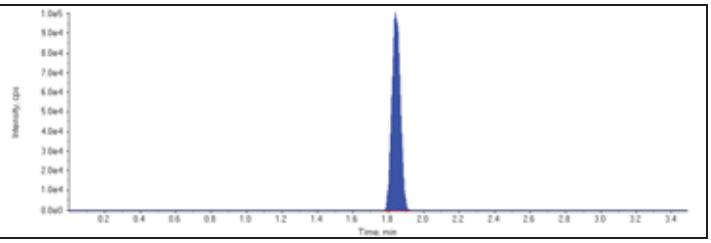
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



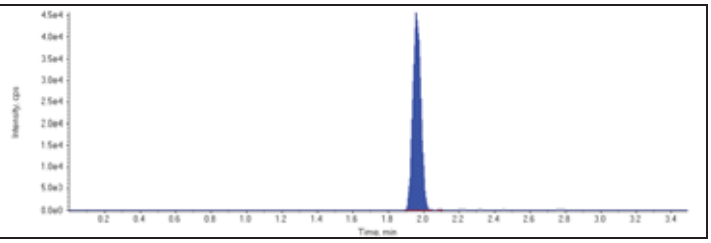
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



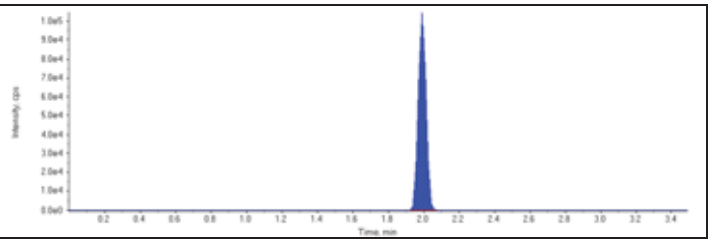
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



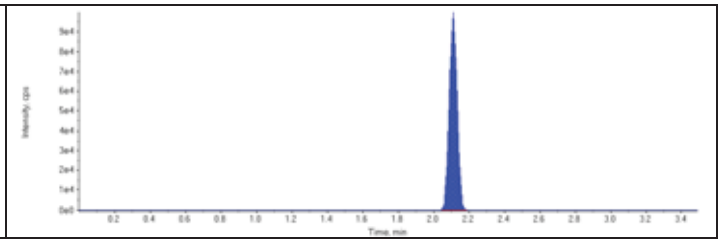
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



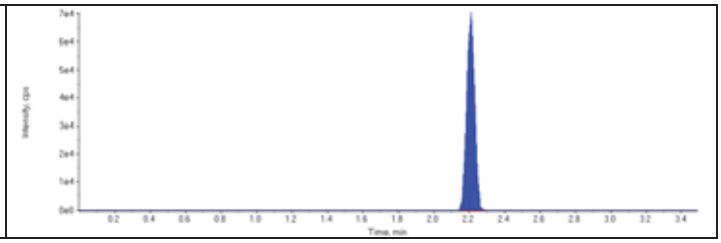
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



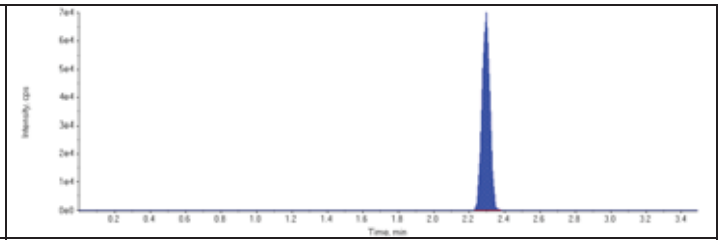
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



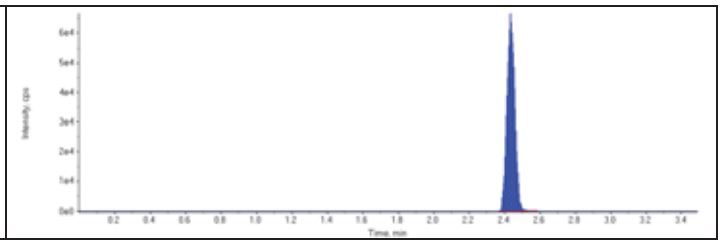
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



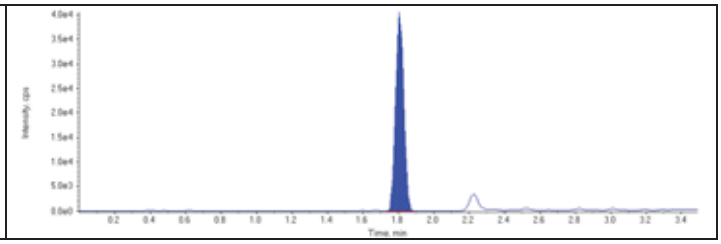
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



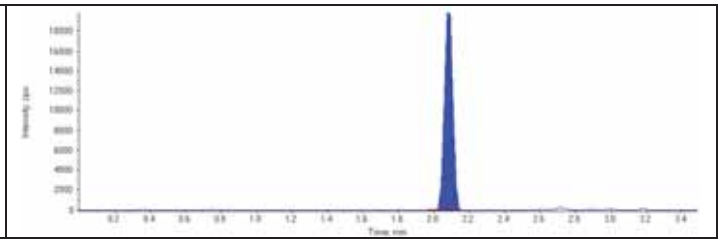
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



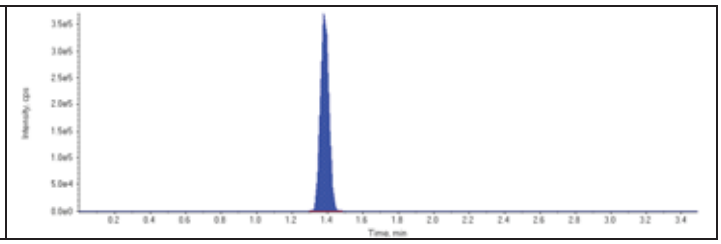
M2 8:2 FTS (Internal Standard)

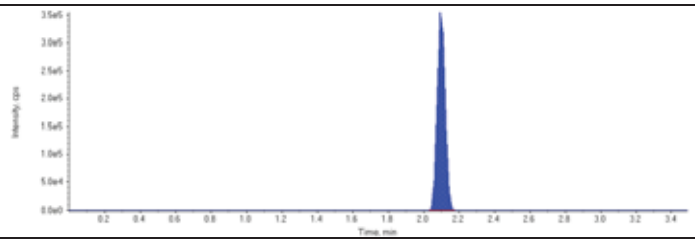
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

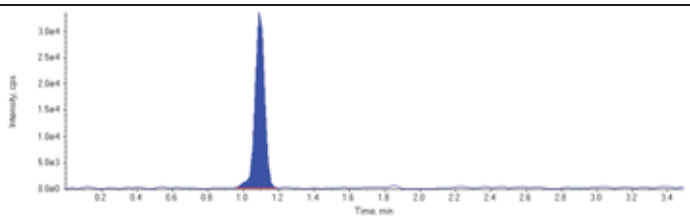
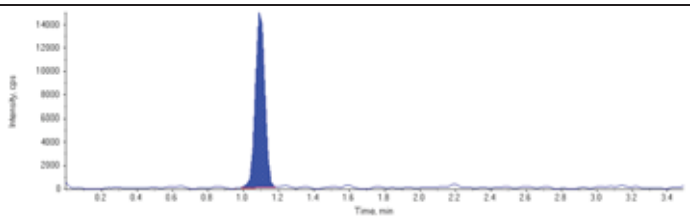
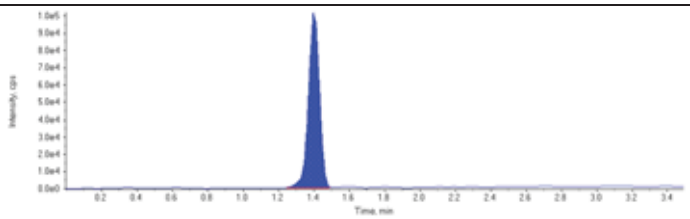
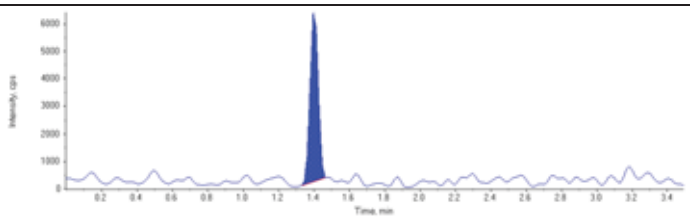
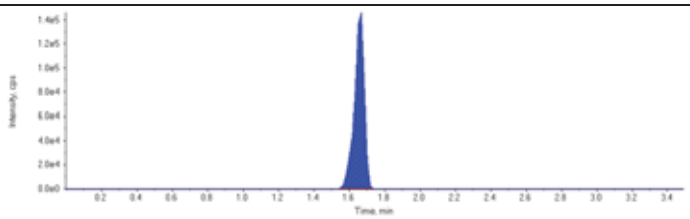
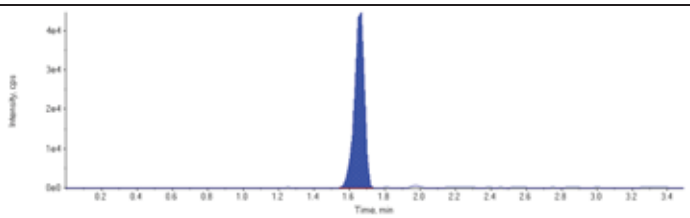


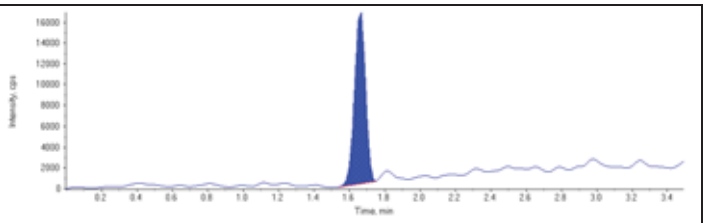
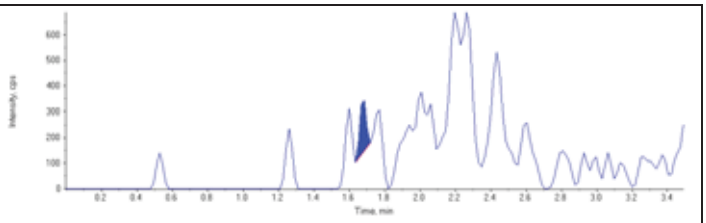
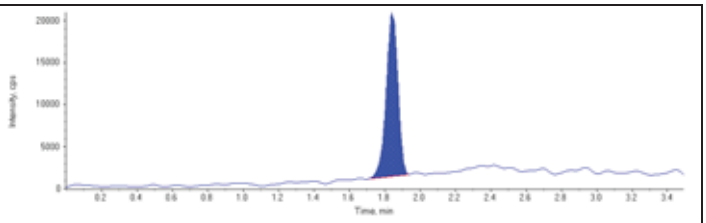
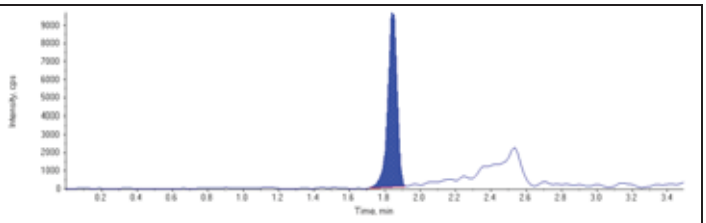
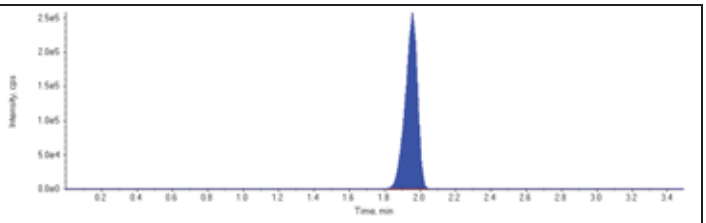
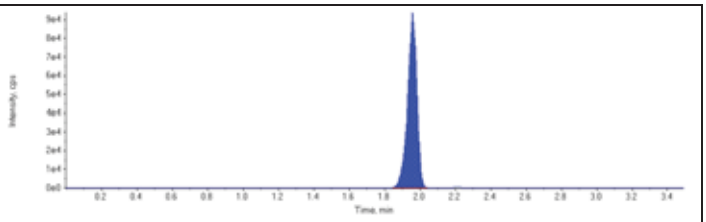
13C6-PFHxA IS (Internal Standard)

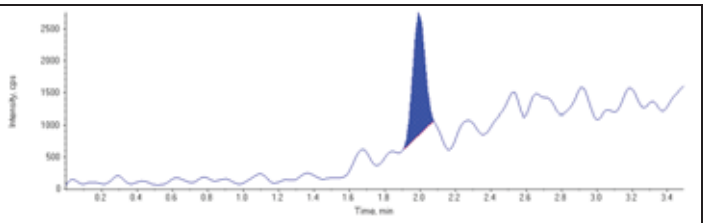
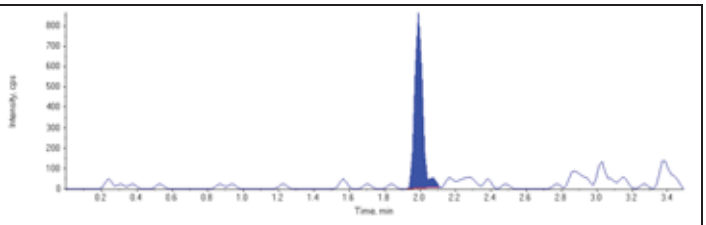
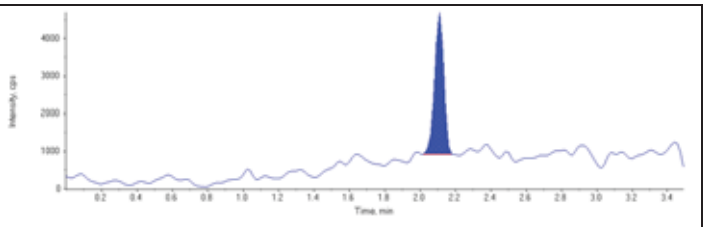
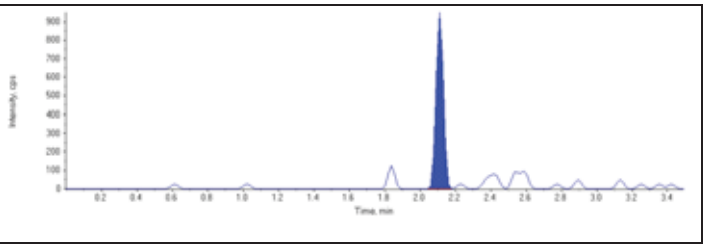
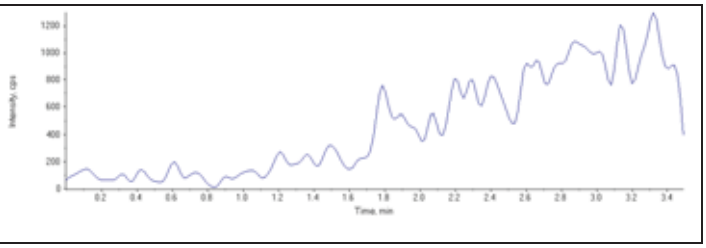
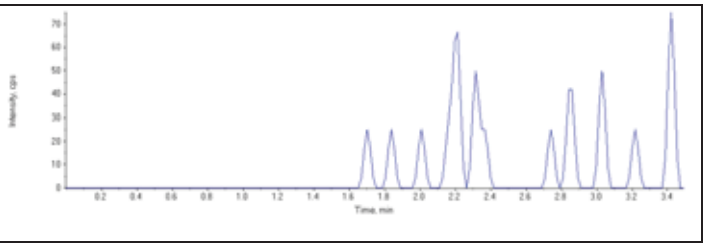
RT (Exp. RT): 1.38(1.40) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

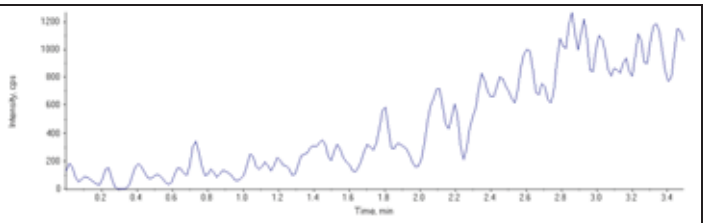
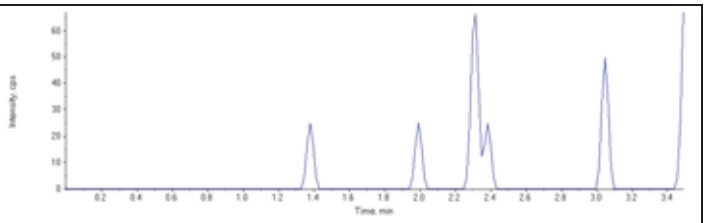
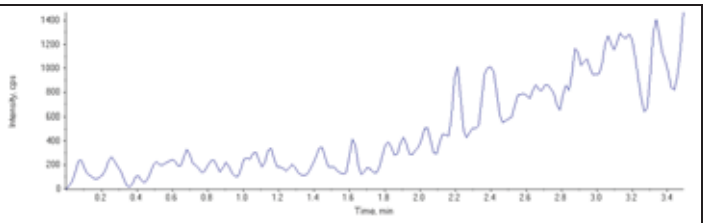
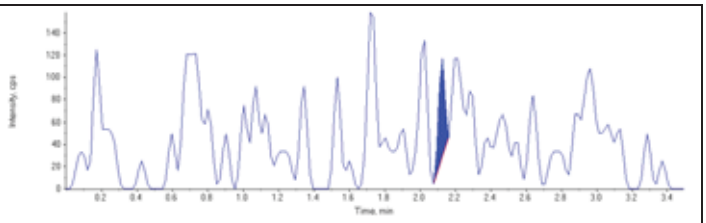
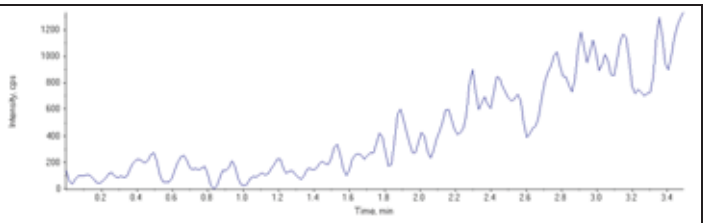
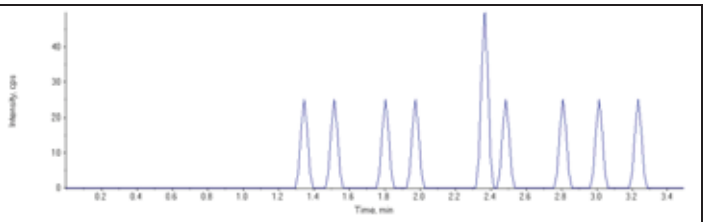


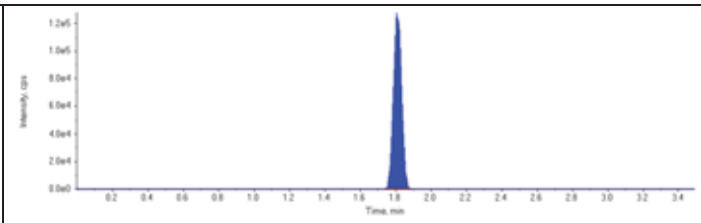
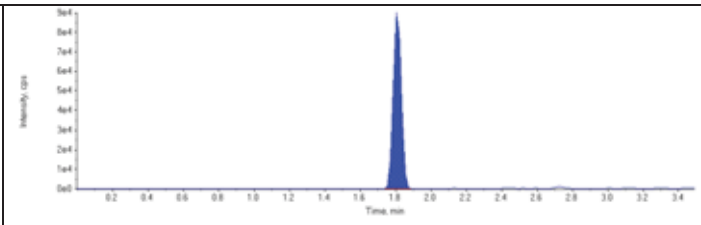
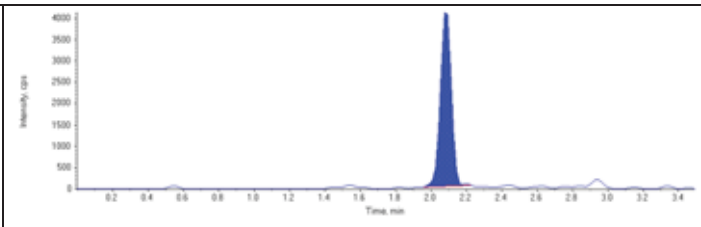
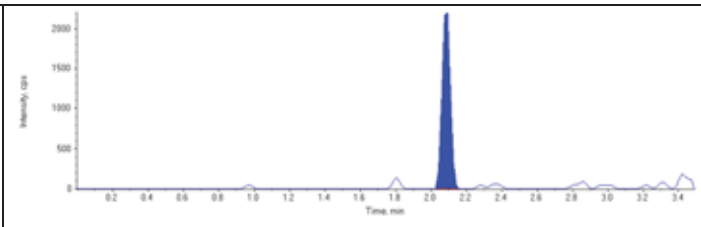
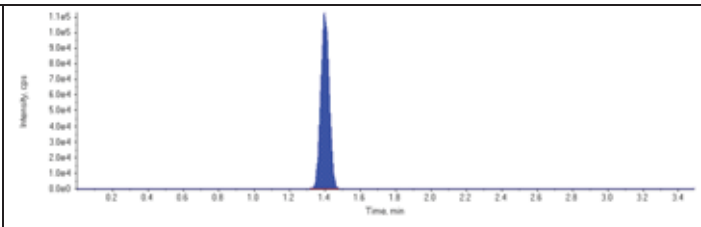
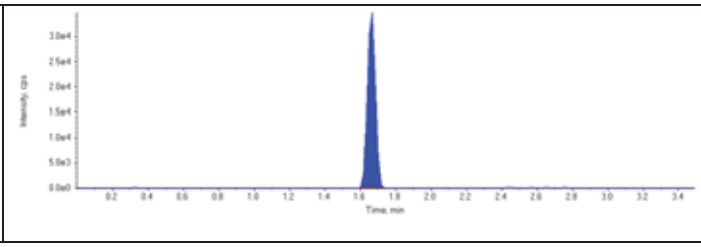
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

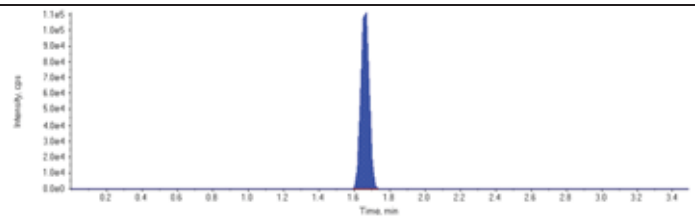
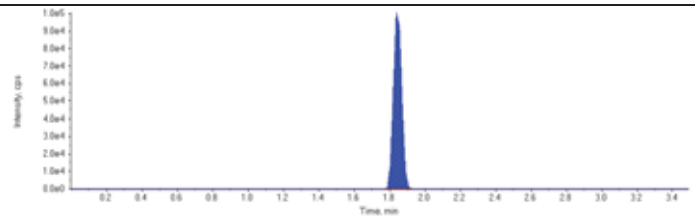
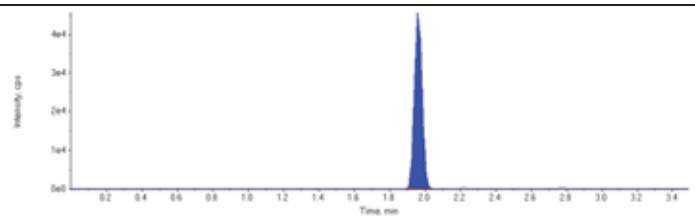
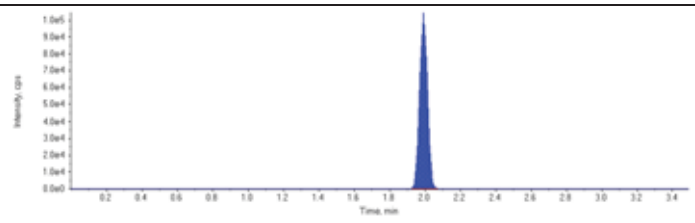
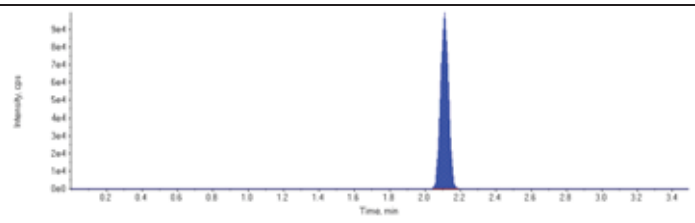
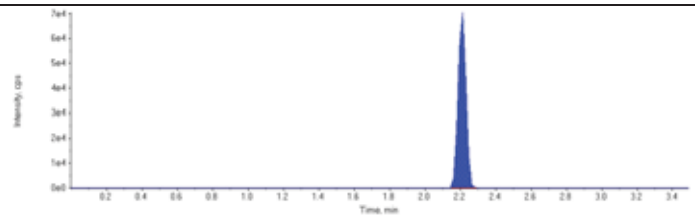
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 1.41 µg/L Area Ratio: 1.10 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 1.22 µg/L Area Ratio: 0.492 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 3.47 µg/L Area Ratio: 1.19 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 2.64 µg/L Area Ratio: 0.0538 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 7.22 µg/L Area Ratio: 5.14 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 7.39 µg/L Area Ratio: 1.55 Sample Type: (Unknown)	

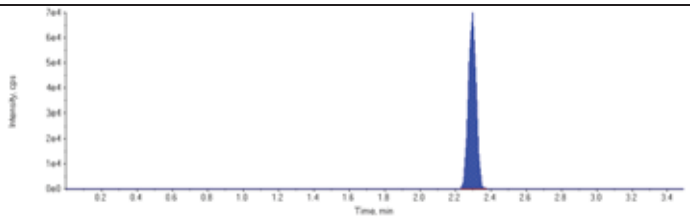
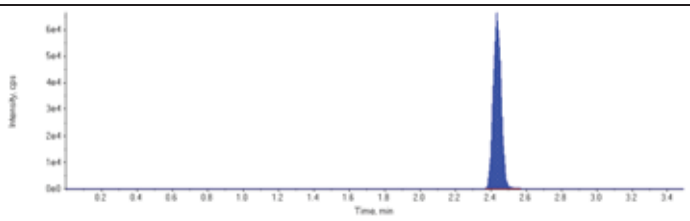
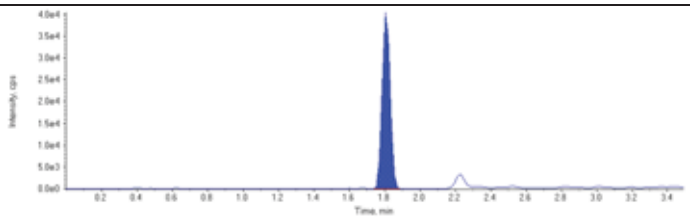
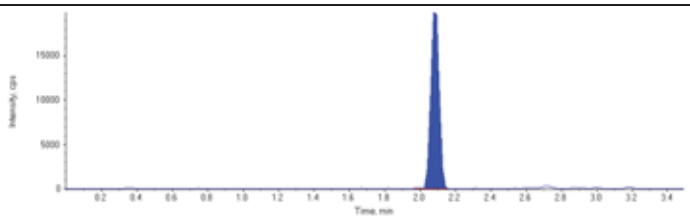
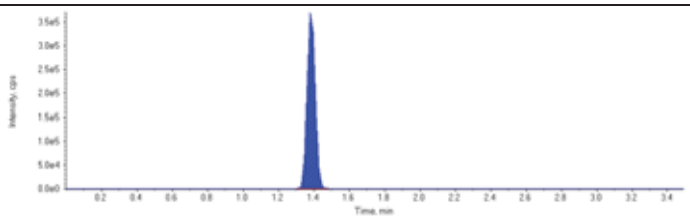
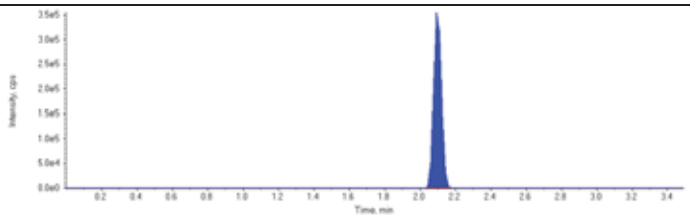
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.674 µg/L Area Ratio: 0.192 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.68 (1.67) min Calculated Conc: 0.0154 µg/L Area Ratio: 0.00143 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 0.949 µg/L Area Ratio: 0.271 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 0.973 µg/L Area Ratio: 0.108 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 22.0 µg/L Area Ratio: 8.51 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 19.9 µg/L Area Ratio: 2.39 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.177 µg/L Area Ratio: 0.0277 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.179 µg/L Area Ratio: 0.00815 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 0.237 µg/L Area Ratio: 0.0443 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.249 µg/L Area Ratio: 0.00921 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.13 (2.37) min Calculated Conc: 0.0571 µg/L Area Ratio: 0.00109 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 14.9 µg/L Area Ratio: 3.26 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 15.2 µg/L Area Ratio: 2.26 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.08 (2.16) min Calculated Conc: 0.869 µg/L Area Ratio: 0.269 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 0.966 µg/L Area Ratio: 0.111 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 95.0 µg/L Area Ratio: 0.306 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 107. µg/L Area Ratio: 0.0923 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 92.6 µg/L Area Ratio: 0.306 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 97.2 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 91.9 µg/L Area Ratio: 0.117 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 89.3 µg/L Area Ratio: 0.262 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 86.5 µg/L Area Ratio: 0.268 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 84.4 µg/L Area Ratio: 0.194 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 84.6 µg/L Area Ratio: 0.189 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 73.5 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 87.7 µg/L Area Ratio: 0.105 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 82.3 µg/L Area Ratio: 0.0549 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 114. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 113. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

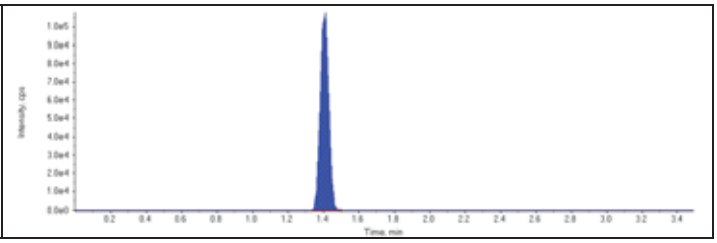
Sample ID	4988945~EJI420-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	30
Acquisition Date	2017/05/23 4:16:21 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for all, except PFOS and 6:2-FTS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	359000.	1.41	1.00	-
MPFHxS	100000.	1.66	1.00	-
MPFHpA	357000.	1.66	1.00	-
MPFOA	314000.	1.85	1.00	-
MPFOS	132000.	1.96	1.00	-
MPFNA	292000.	1.99	1.00	-
MPFDA	301000.	2.11	1.00	-
MPFUnA	231000.	2.21	1.00	-
MPFDoA	208000.	2.30	1.00	-
MPFTeDA	200000.	2.44	1.00	-
M2 6:2 FTS	128000.	1.81	1.00	-
M2 8:2 FTS	70600.	2.09	1.00	-
13C6-PFHxA IS	1360000.	1.39	4.17	-
13C9-PFDA IS	1290000.	2.10	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	547000	1.10	N/A	1.17	N/A
PFBS 2	292000	1.10	N/A	1.24	N/A
PFHxA 1	2070000	1.41	N/A	3.20	N/A
PFHxA 2	106000	1.41	N/A	2.81	N/A
PFHxS 1	3040000	1.67	N/A	8.37	N/A
PFHxS 2	888000	1.66	N/A	8.25	N/A
PFHpA 1	331000	1.66	N/A	0.585	N/A
PFHpA 2	6250	1.67	N/A	0.548	N/A
PFOA 1	385000	1.85	N/A	0.693	N/A
PFOA 2	162000	1.84	N/A	0.725	N/A
PFOS 1	5520000	1.96	N/A	21.4	N/A
PFOS 2	1640000	1.96	N/A	20.5	N/A
PFNA 1	37000	1.99	N/A	0.101	N/A
PFNA 2	8850	1.99	N/A	0.0919	N/A
PFDA 1	61900	2.11	N/A	0.141	N/A
PFDA 2	12200	2.11	N/A	0.144	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	532	2.20	N/A	0.0407	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	1050	2.19	N/A	0.0333	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	2080000	1.81	N/A	14.6	N/A
6:2-FTS 2	1460000	1.81	N/A	15.2	N/A
8:2-FTS 1	97500	2.09	N/A	0.702	N/A
8:2-FTS 2	35900	2.09	N/A	0.713	N/A
13C2-PFHxA	359000	1.41	N/A	82.4	N/A
18O2-PFHxS	100000	1.66	N/A	85.8	N/A
13C4-PFHpA	357000	1.66	N/A	79.7	N/A
13C4-PFOA	314000	1.85	N/A	84.0	N/A
13C4-PFOS	132000	1.96	N/A	76.9	N/A
13C5-PFNA	292000	1.99	N/A	73.5	N/A
13C2-PFDA	301000	2.11	N/A	75.1	N/A
13C2-PFUnA	231000	2.21	N/A	77.7	N/A
13C2-PFDoA	208000	2.30	N/A	72.1	N/A
13C2-PFTeDA	200000	2.44	N/A	63.6	N/A
13C2-6:2-FTS	128000	1.81	N/A	79.2	N/A
13C2-8:2 FTS	70600	2.09	N/A	78.2	N/A
13C6-PFHxA	1360000	1.39	N/A	25.4	N/A
13C9-PFDA	1290000	2.10	N/A	25.9	N/A

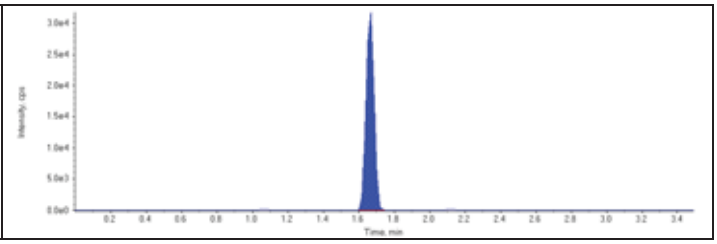
MPFHxA (Internal Standard)

RT (Exp. RT): 1.41(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



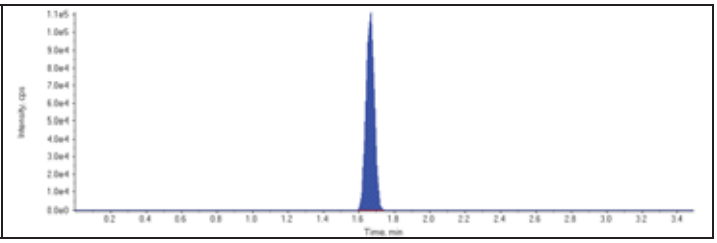
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



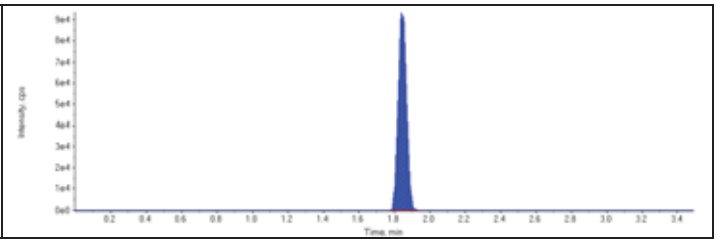
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



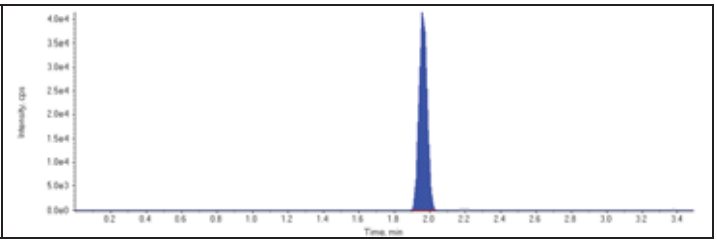
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



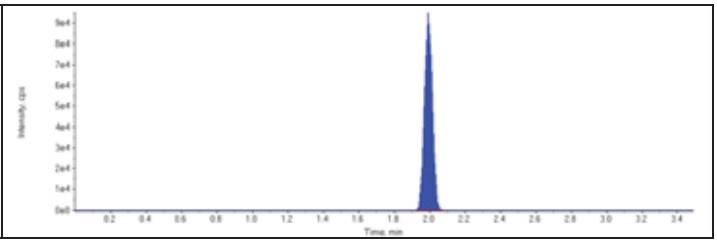
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



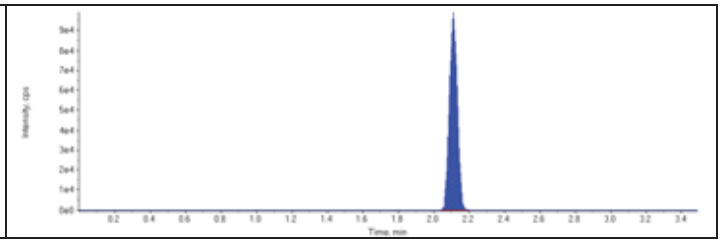
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



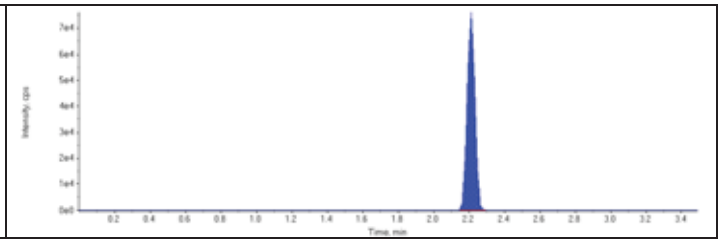
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



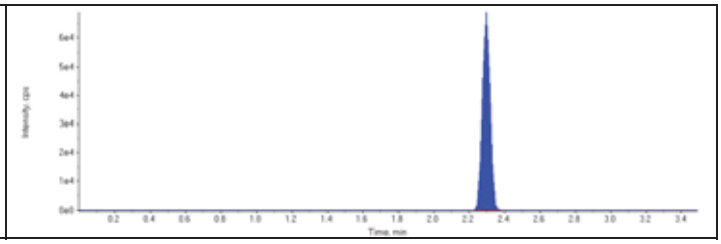
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



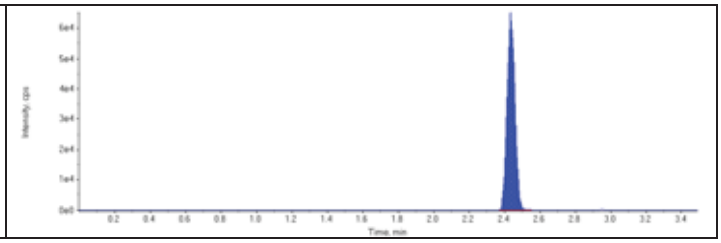
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



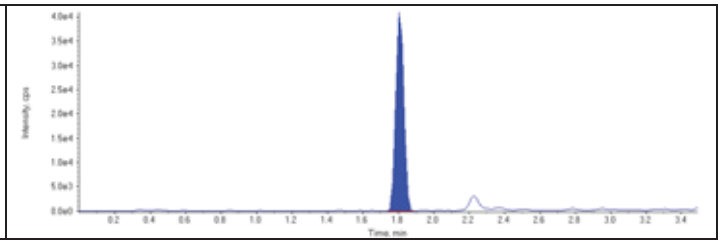
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



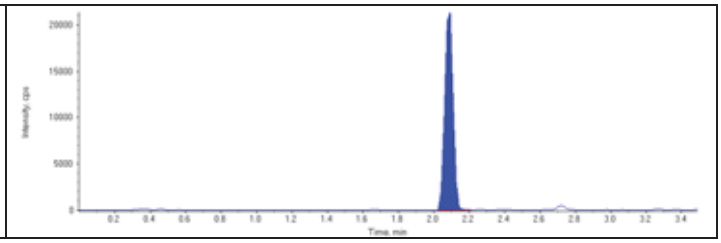
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



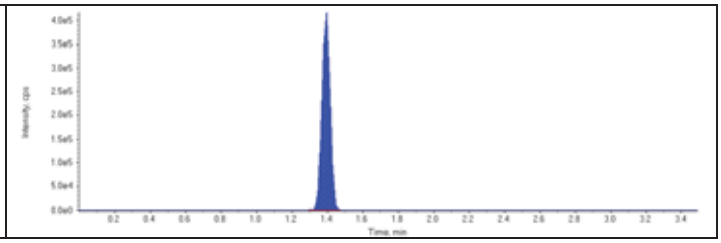
M2 8:2 FTS (Internal Standard)

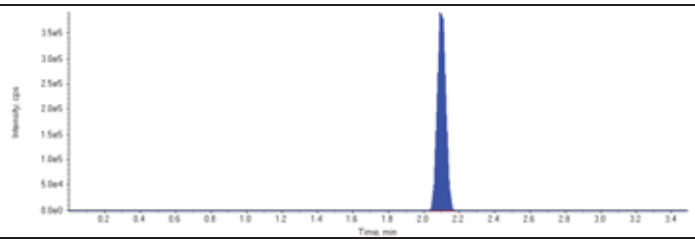
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

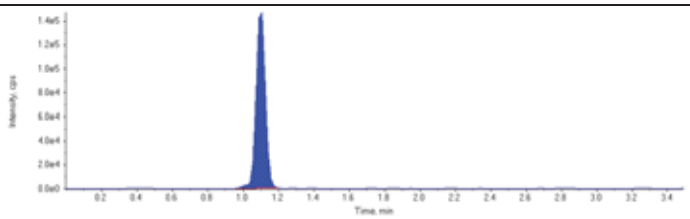
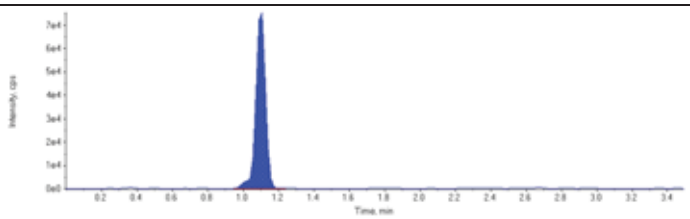
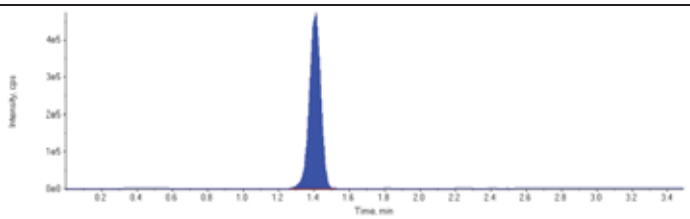
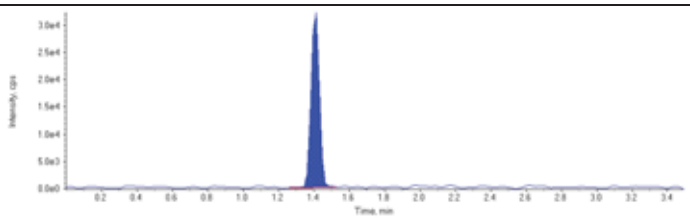
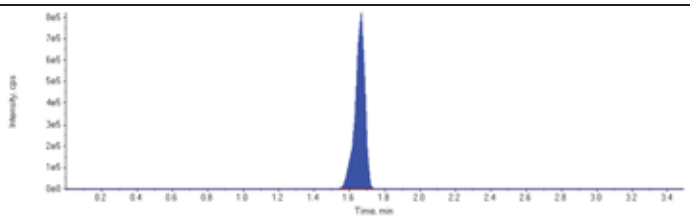
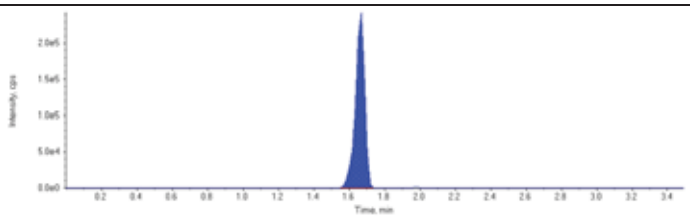


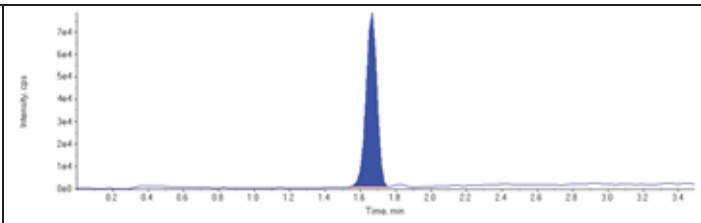
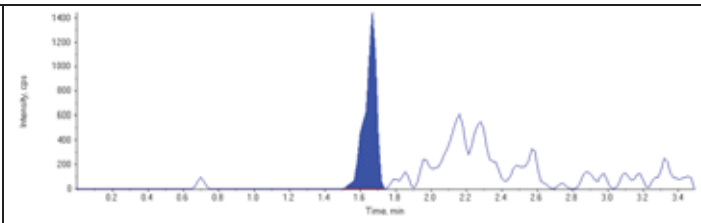
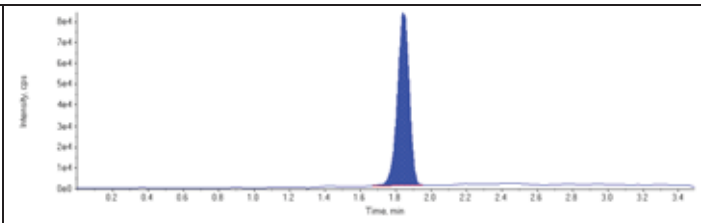
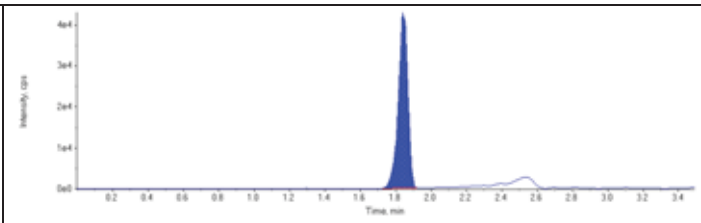
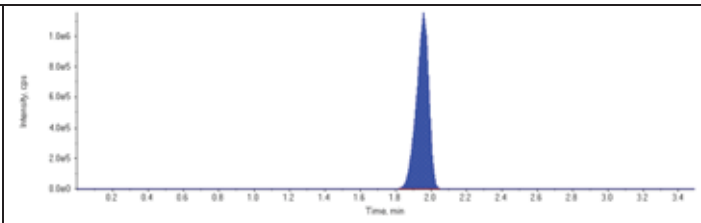
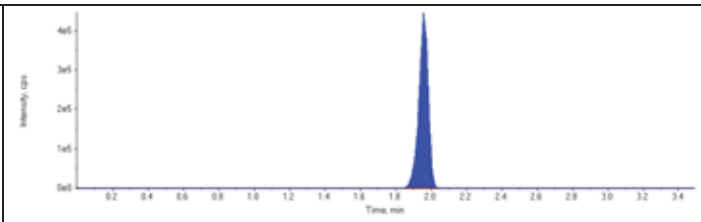
13C6-PFHxA IS (Internal Standard)

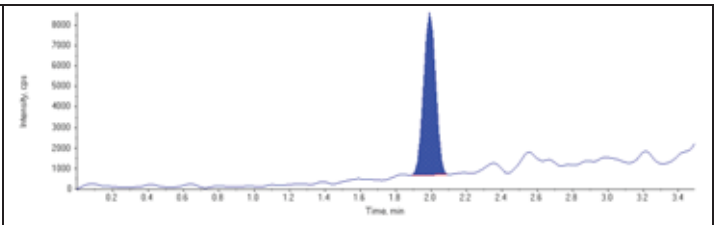
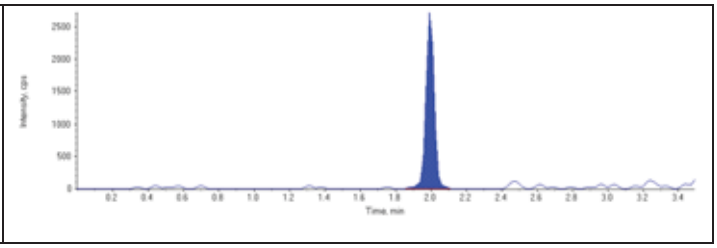
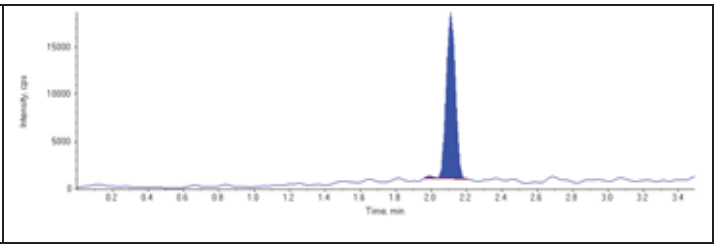
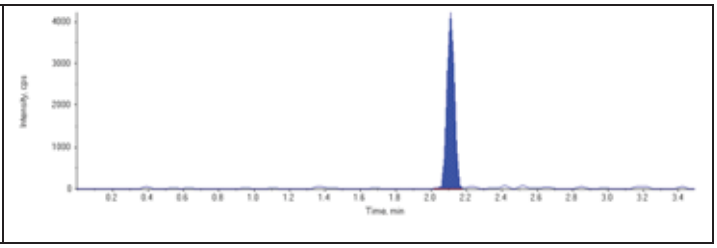
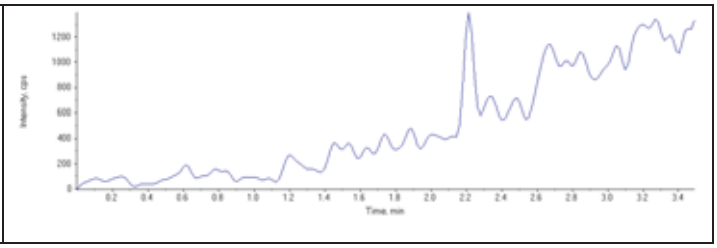
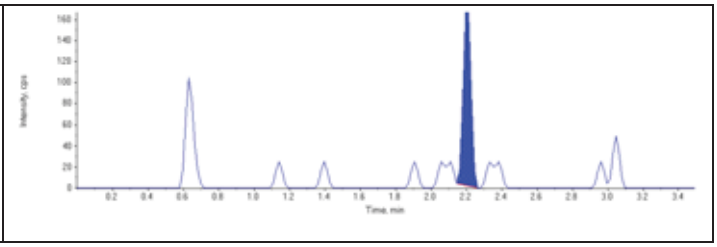
RT (Exp. RT): 1.39(1.40) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

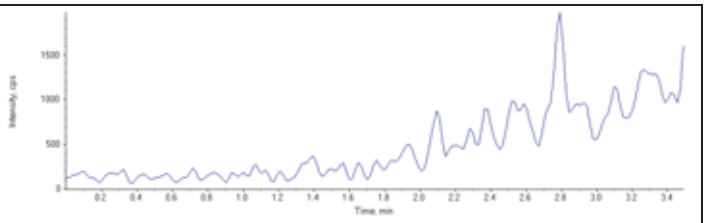
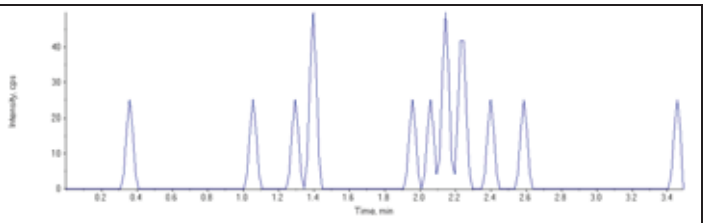
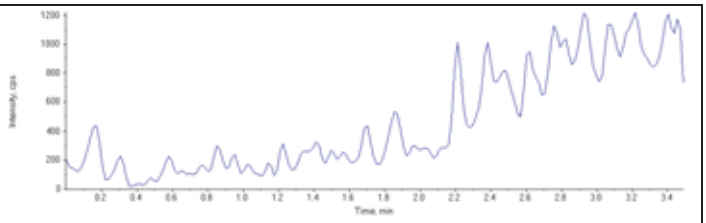
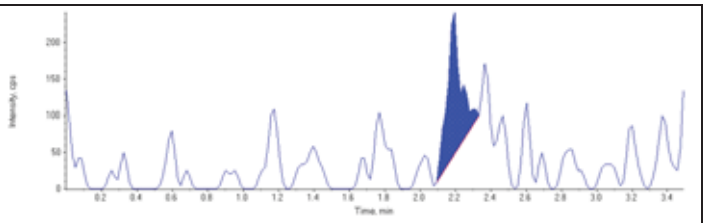
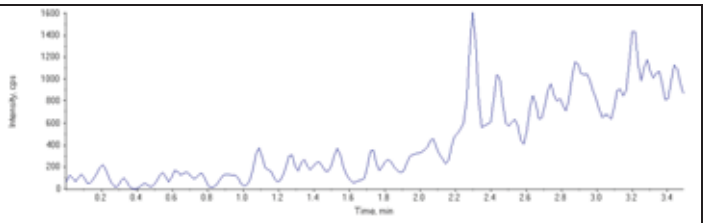
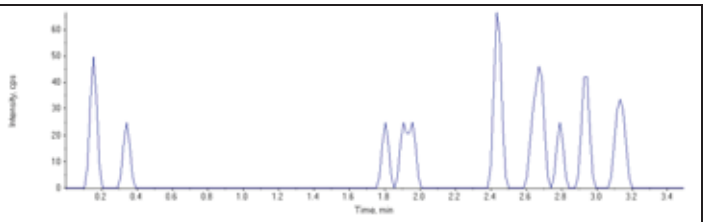


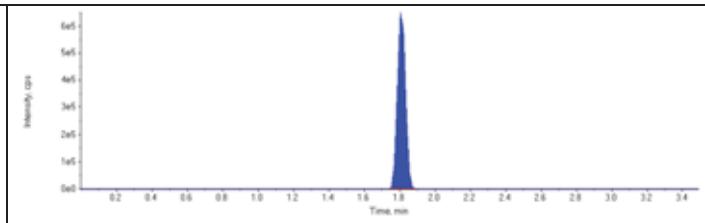
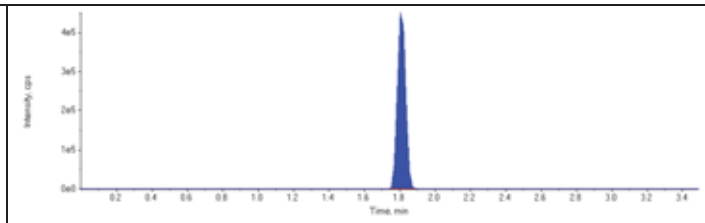
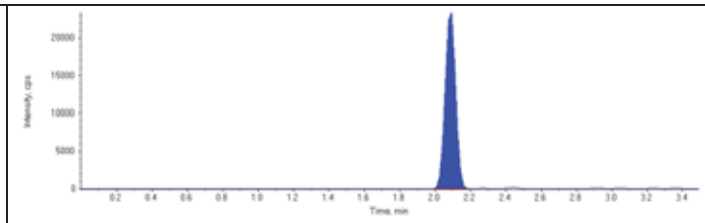
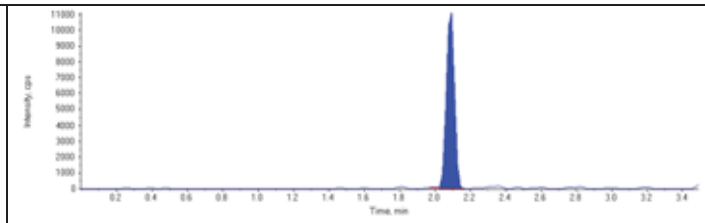
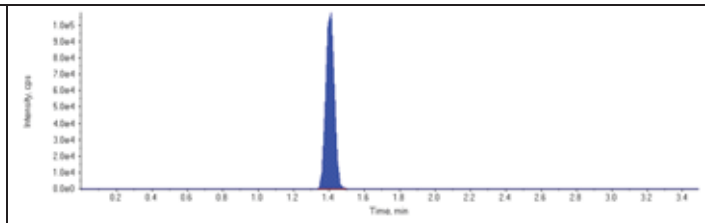
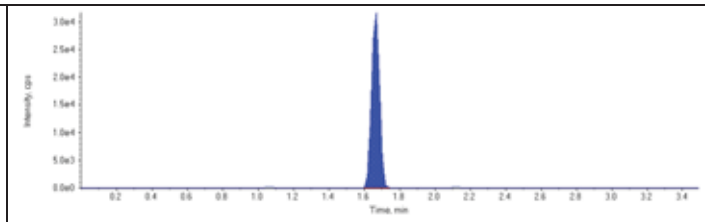
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

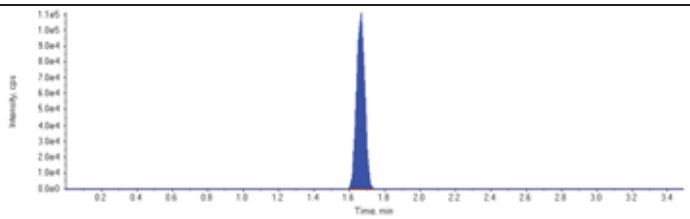
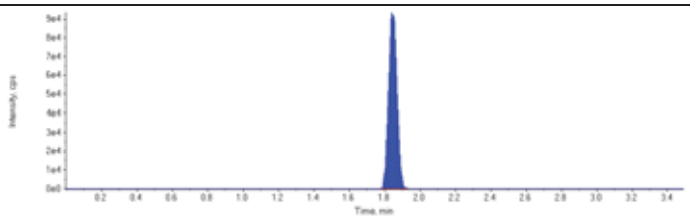
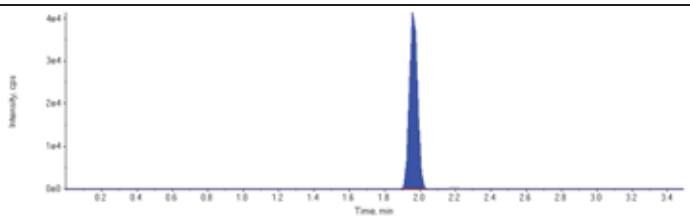
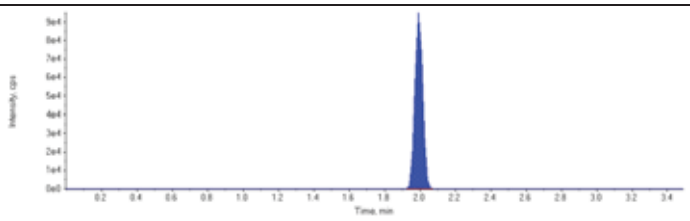
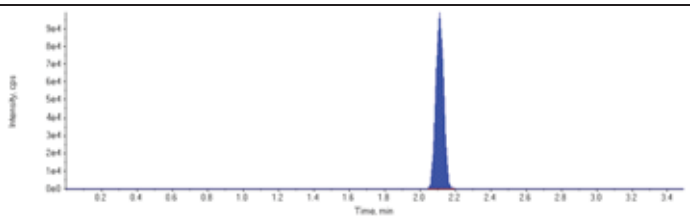
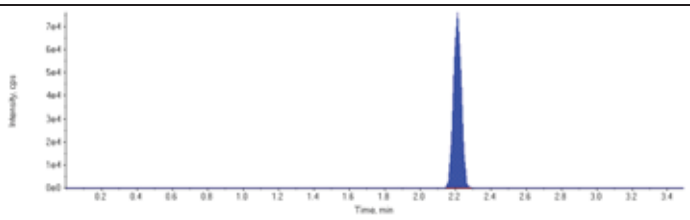
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 1.17 µg/L Area Ratio: 5.45 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 1.24 µg/L Area Ratio: 2.91 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.41 (1.40) min Calculated Conc: 3.20 µg/L Area Ratio: 5.77 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 2.81 µg/L Area Ratio: 0.295 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 8.37 µg/L Area Ratio: 30.3 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 8.25 µg/L Area Ratio: 8.85 Sample Type: (Unknown)	

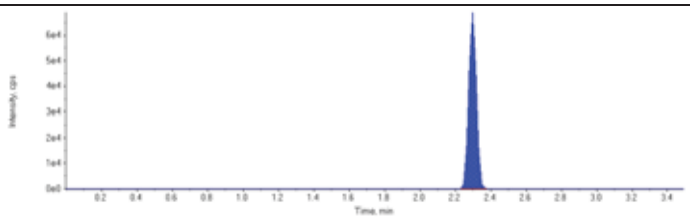
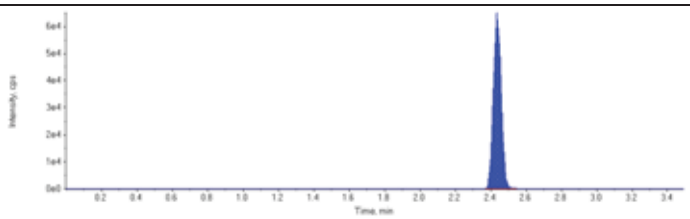
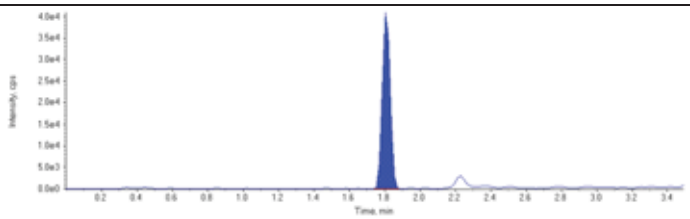
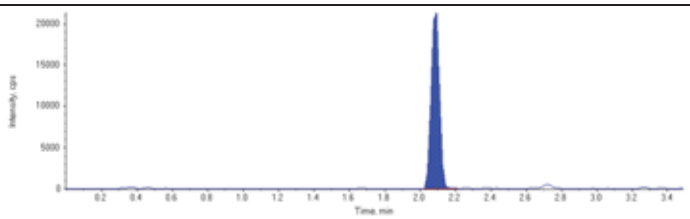
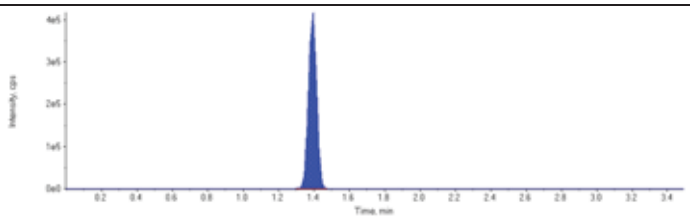
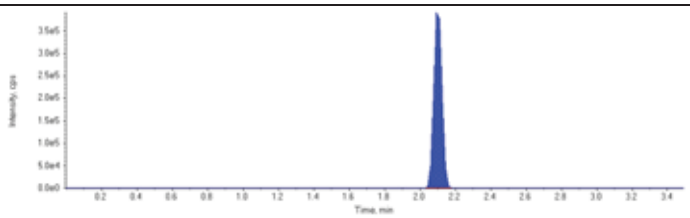
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.585 µg/L Area Ratio: 0.927 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 0.548 µg/L Area Ratio: 0.0175 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 0.693 µg/L Area Ratio: 1.23 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.725 µg/L Area Ratio: 0.518 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 21.4 µg/L Area Ratio: 41.7 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 20.5 µg/L Area Ratio: 12.4 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.101 µg/L Area Ratio: 0.127 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.0919 µg/L Area Ratio: 0.0303 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 0.141 µg/L Area Ratio: 0.206 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.144 µg/L Area Ratio: 0.0406 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.20 (2.27) min Calculated Conc: 0.0407 µg/L Area Ratio: 0.00230 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.19 (2.37) min Calculated Conc: 0.0333 µg/L Area Ratio: 0.00524 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 14.6 µg/L Area Ratio: 16.2 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 15.2 µg/L Area Ratio: 11.4 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 0.702 µg/L Area Ratio: 1.38 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 0.713 µg/L Area Ratio: 0.509 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.41 (1.40) min Calculated Conc: 82.4 µg/L Area Ratio: 0.265 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 85.8 µg/L Area Ratio: 0.0740 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 79.7 µg/L Area Ratio: 0.264 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 84.0 µg/L Area Ratio: 0.231 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 76.9 µg/L Area Ratio: 0.0976 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 73.5 µg/L Area Ratio: 0.215 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 75.1 µg/L Area Ratio: 0.233 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 77.7 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 72.1 µg/L Area Ratio: 0.161 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 63.6 µg/L Area Ratio: 0.155 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 79.2 µg/L Area Ratio: 0.0945 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 78.2 µg/L Area Ratio: 0.0520 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 25.4 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 25.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

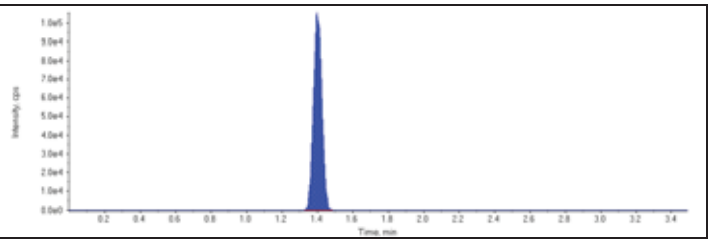
Sample ID	4988945~EJI422-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	31
Acquisition Date	2017/05/23 4:26:30 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	351000.	1.40	1.00	-
MPFHxS	100000.	1.66	1.00	-
MPFHpA	408000.	1.66	1.00	-
MPFOA	324000.	1.84	1.00	-
MPFOS	150000.	1.96	1.00	-
MPFNA	341000.	1.99	1.00	-
MPFDA	323000.	2.11	1.00	-
MPFUnA	241000.	2.21	1.00	-
MPFDoA	225000.	2.30	1.00	-
MPFTeDA	207000.	2.44	1.00	-
M2 6:2 FTS	114000.	1.81	1.00	-
M2 8:2 FTS	69400.	2.08	1.00	-
13C6-PFHxA IS	1090000.	1.38	41.7	-
13C9-PFDA IS	1140000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	7190	1.10	N/A	0.00694	N/A
PFHxA 1	66700	1.40	N/A	0.0145	N/A
PFHxA 2	1330	1.40	N/A	0.00557	N/A
PFHxS 1	63800	1.66	N/A	0.0204	N/A
PFHxS 2	16800	1.66	N/A	0.0189	N/A
PFHpA 1	20600	1.66	N/A	0.00484	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	27200	1.84	N/A	0.00916	N/A
PFOA 2	10800	1.84	N/A	0.00975	N/A
PFOS 1	69300	1.96	N/A	0.0263	N/A
PFOS 2	22700	1.96	N/A	0.0284	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	670	1.99	N/A	0.00202	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	884	2.11	N/A	0.00304	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	1360	2.35	N/A	0.00403	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	3000	1.80	N/A	0.00793	N/A
6:2-FTS 2	2890	1.81	N/A	0.00621	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	1200	2.22	N/A	0.00715	N/A
13C2-PFHxA	351000	1.40	N/A	100.	N/A
18O2-PFHxS	100000	1.66	N/A	107.	N/A
13C4-PFHpA	408000	1.66	N/A	113.	N/A
13C4-PFOA	324000	1.84	N/A	108.	N/A
13C4-PFOS	150000	1.96	N/A	108.	N/A
13C5-PFNA	341000	1.99	N/A	107.	N/A
13C2-PFDA	323000	2.11	N/A	91.7	N/A
13C2-PFUnA	241000	2.21	N/A	92.3	N/A
13C2-PFDoA	225000	2.30	N/A	88.8	N/A
13C2-PFTeDA	207000	2.44	N/A	74.7	N/A
13C2-6:2-FTS	114000	1.81	N/A	87.5	N/A
13C2-8:2 FTS	69400	2.08	N/A	95.5	N/A
13C6-PFHxA	1090000	1.38	N/A	2.05	N/A
13C9-PFDA	1140000	2.10	N/A	2.28	N/A

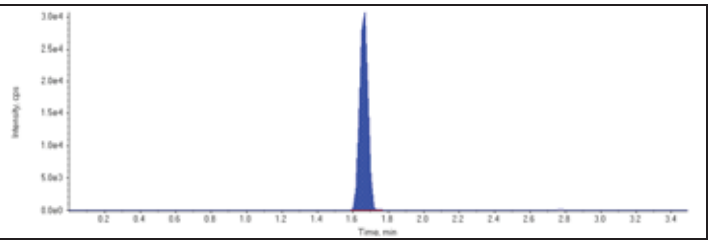
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



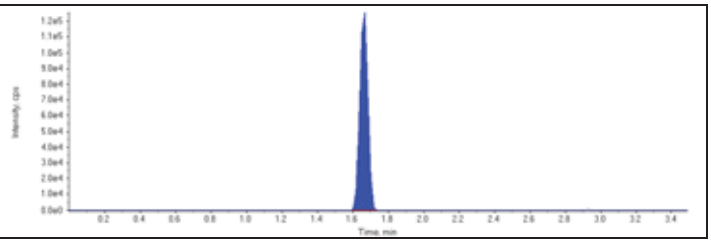
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



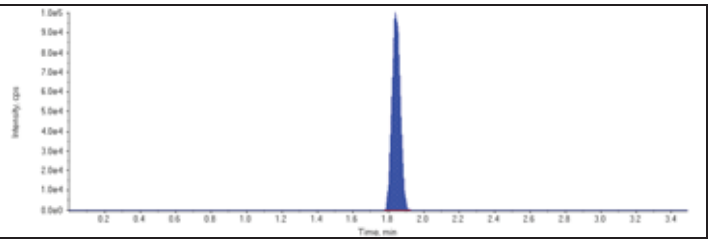
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



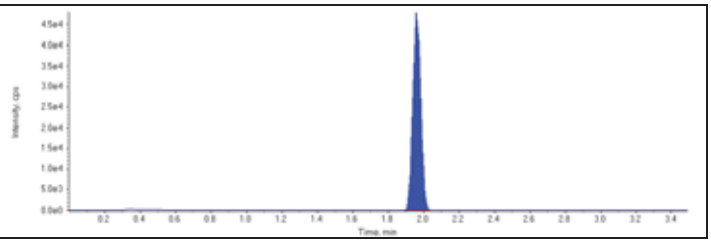
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



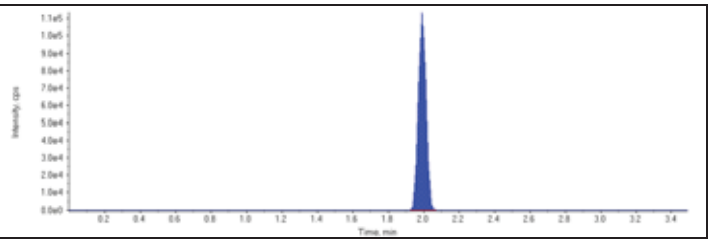
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



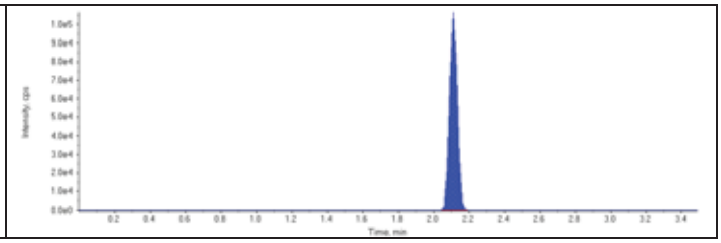
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



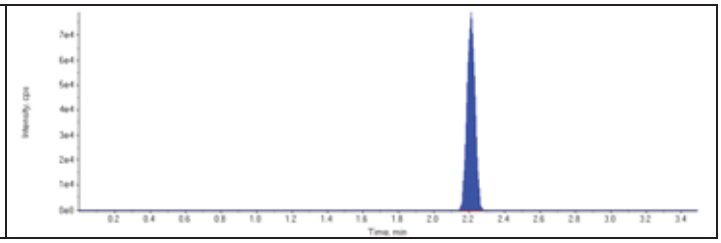
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



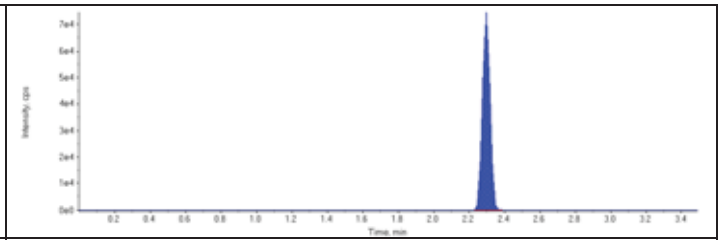
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



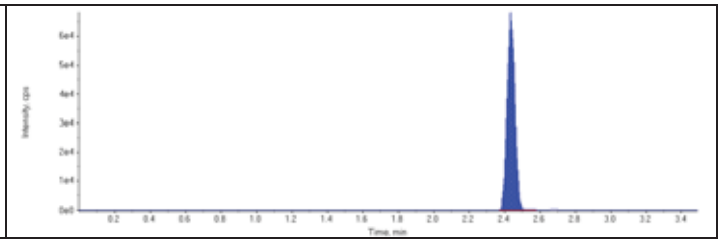
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



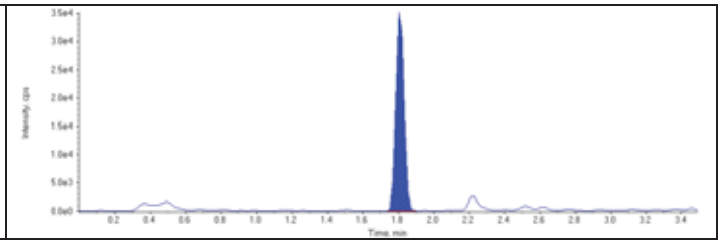
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



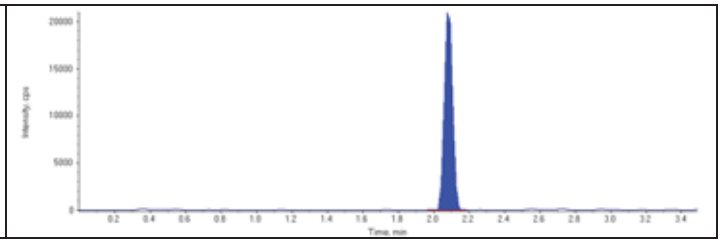
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



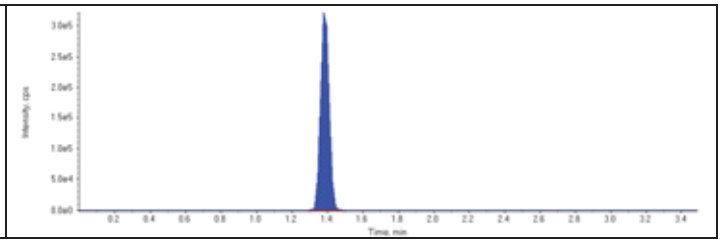
M2 8:2 FTS (Internal Standard)

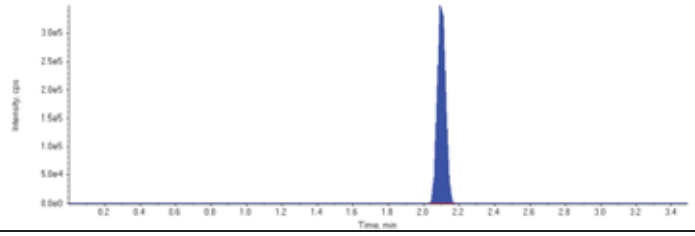
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

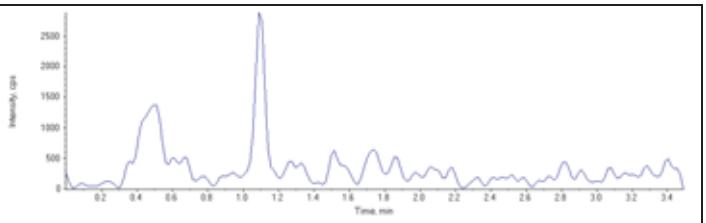
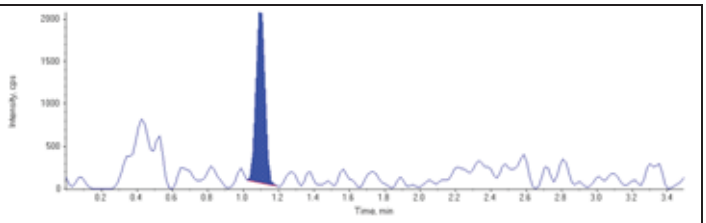
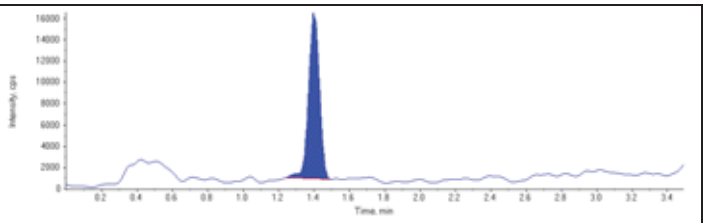
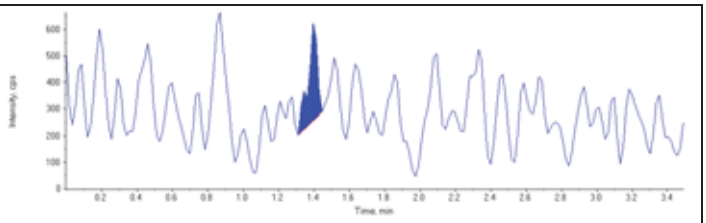
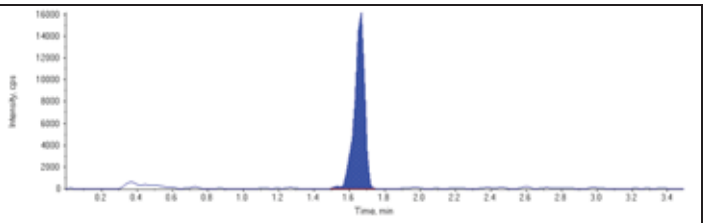
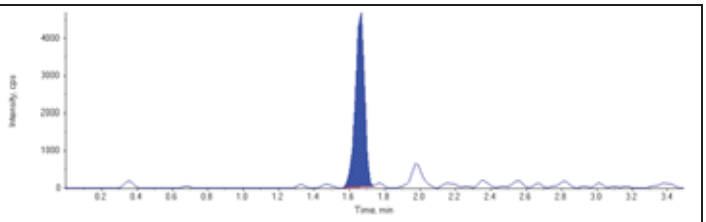


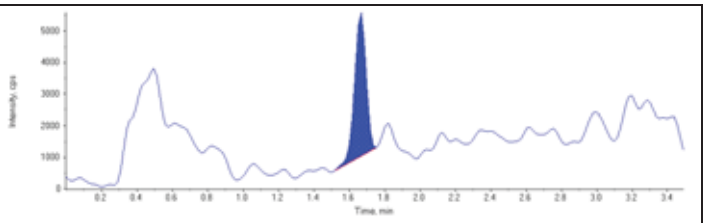
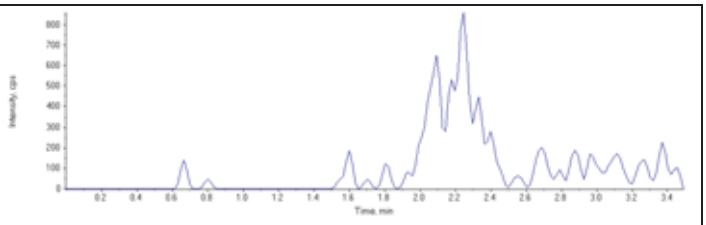
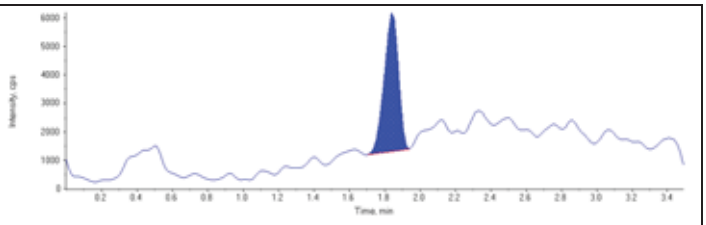
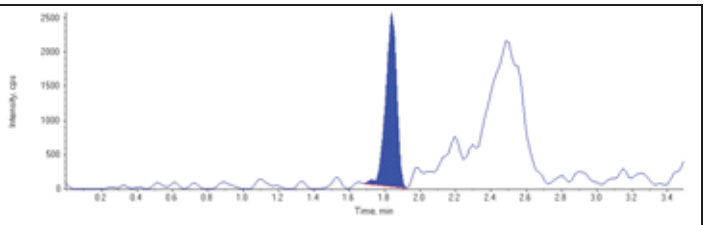
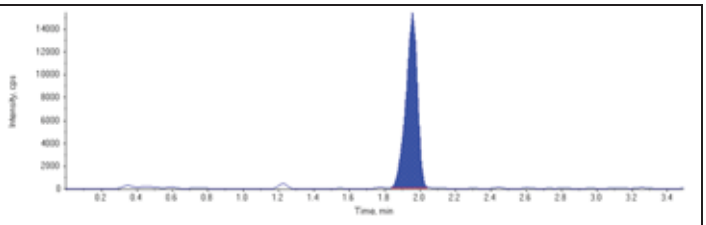
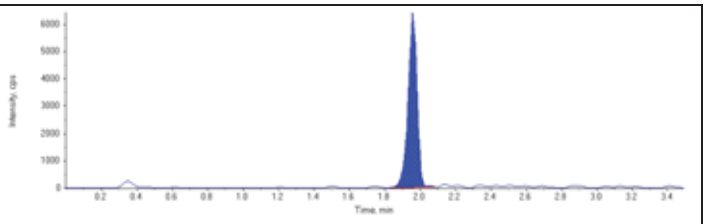
13C6-PFHxA IS (Internal Standard)

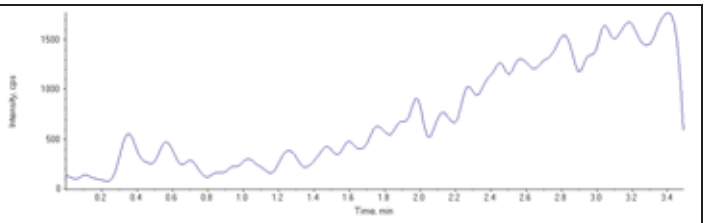
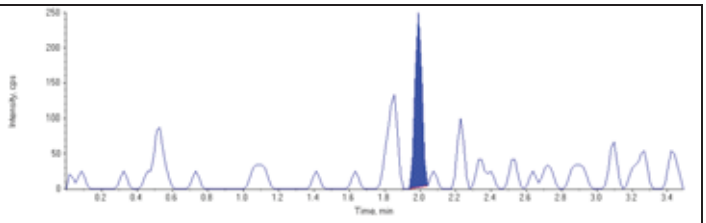
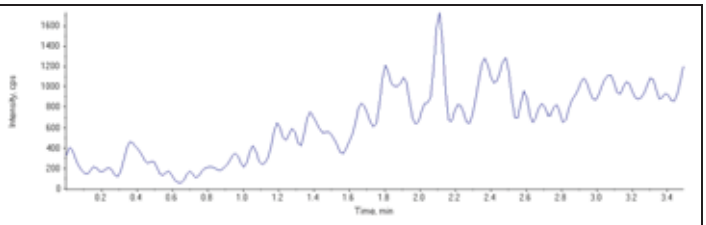
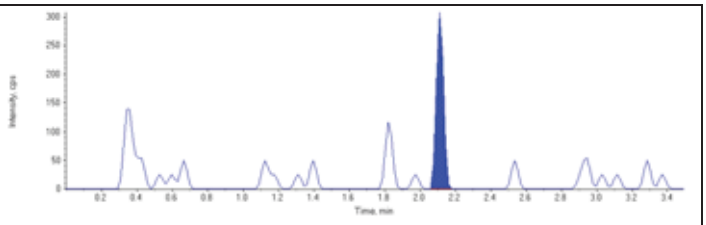
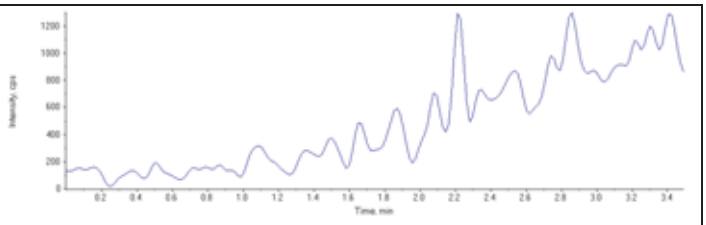
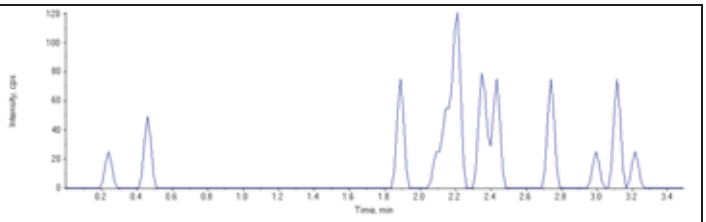
RT (Exp. RT): 1.38(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

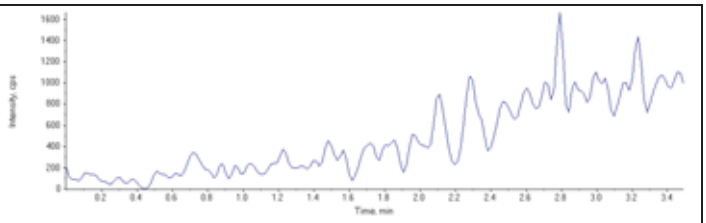
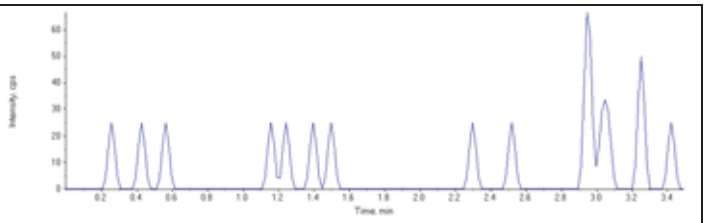
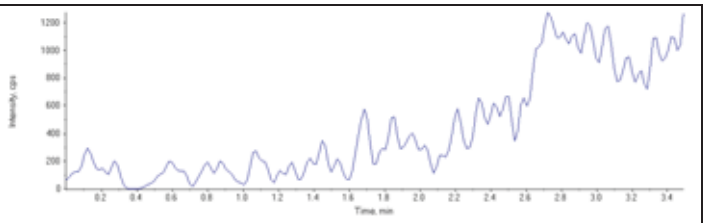
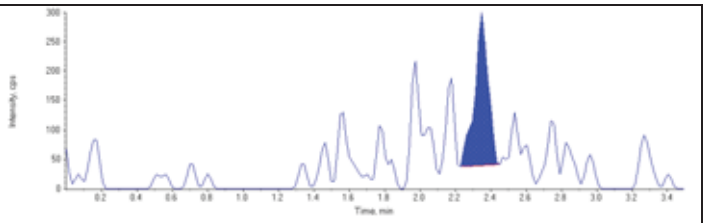
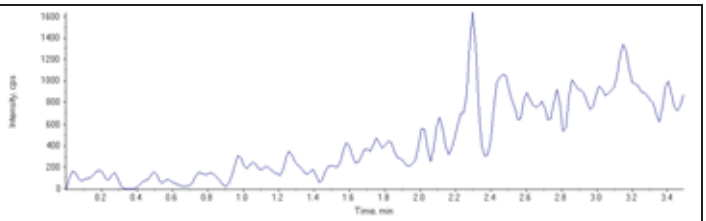
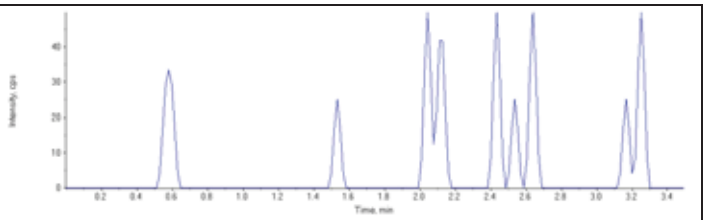


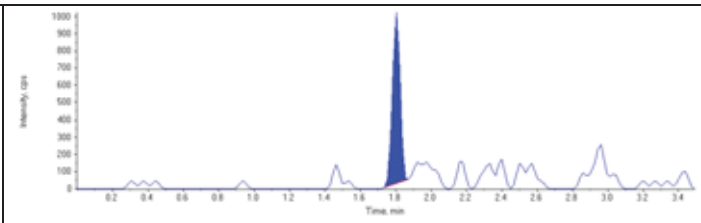
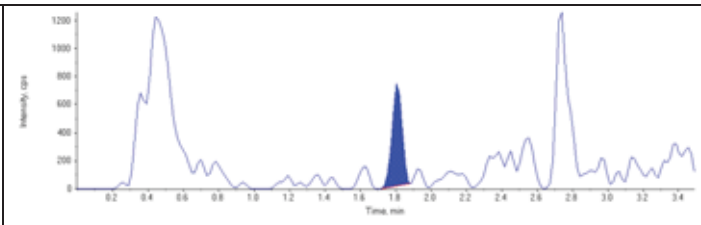
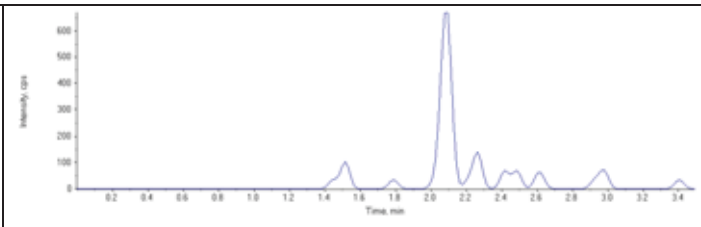
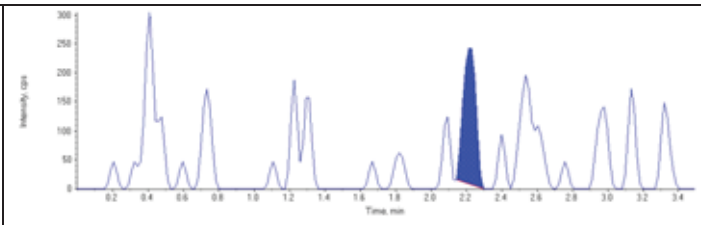
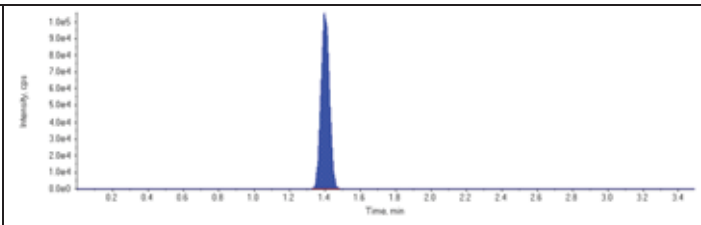
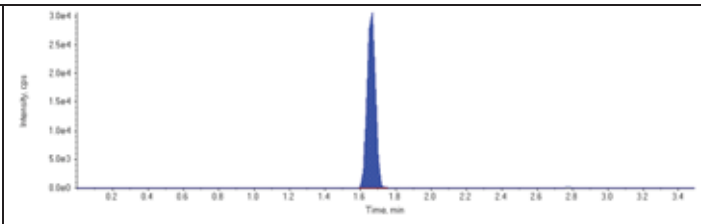
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

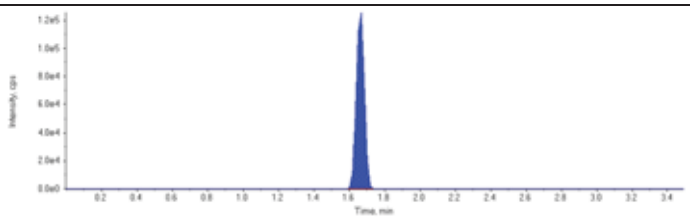
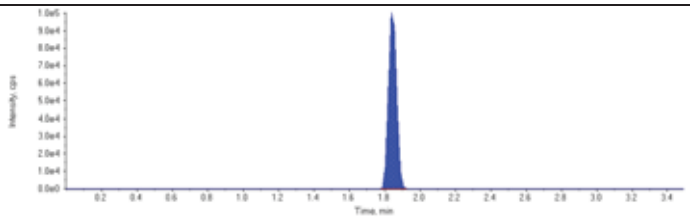
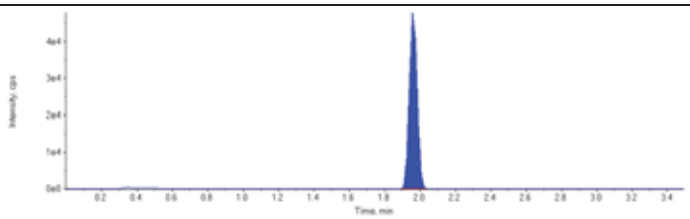
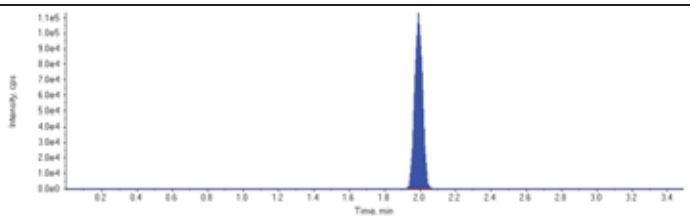
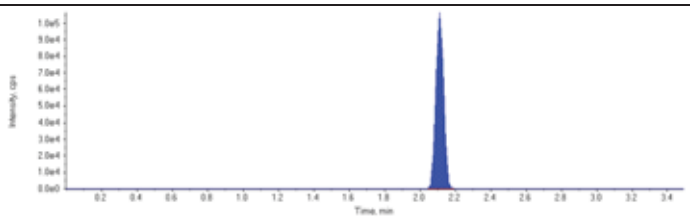
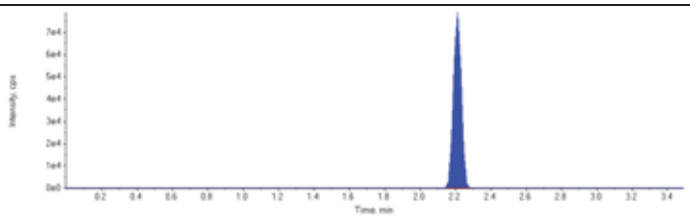
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 0.00694 µg/L Area Ratio: 0.0715 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 0.0145 µg/L Area Ratio: 0.190 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 0.00557 µg/L Area Ratio: 0.00378 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.0204 µg/L Area Ratio: 0.635 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.0189 µg/L Area Ratio: 0.168 Sample Type: (Unknown)	

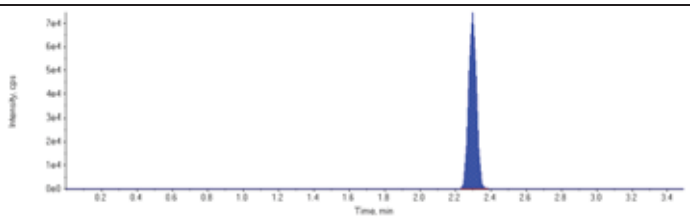
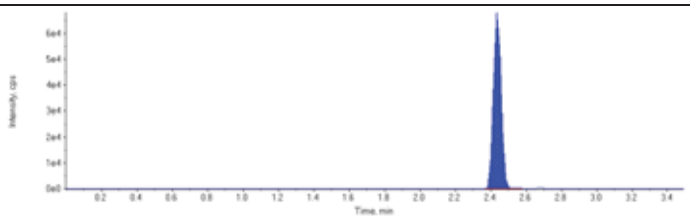
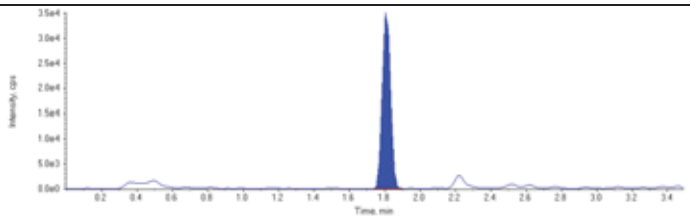
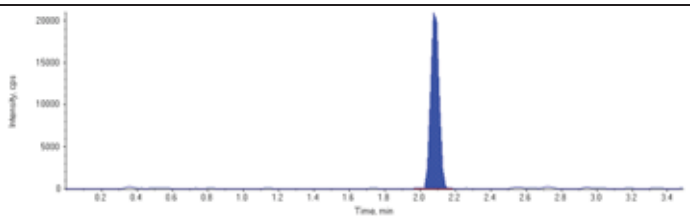
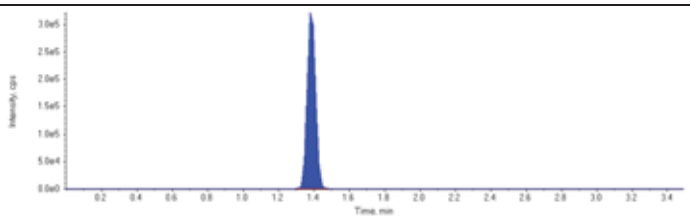
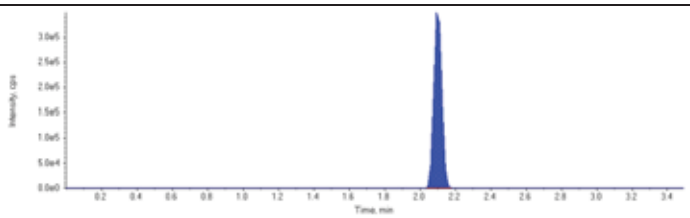
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 0.00484 µg/L Area Ratio: 0.0506 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 0.00916 µg/L Area Ratio: 0.0839 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.00975 µg/L Area Ratio: 0.0334 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.0263 µg/L Area Ratio: 0.462 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 0.0284 µg/L Area Ratio: 0.152 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.00202 µg/L Area Ratio: 0.00196 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.00304 µg/L Area Ratio: 0.00274 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.35 (2.37) min Calculated Conc: 0.00403 µg/L Area Ratio: 0.00658 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.80 (1.90) min Calculated Conc: 0.00793 µg/L Area Ratio: 0.0263 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 0.00621 µg/L Area Ratio: 0.0254 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.22 (2.09) min Calculated Conc: 0.00715 µg/L Area Ratio: 0.0173 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 100. µg/L Area Ratio: 0.322 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 107. µg/L Area Ratio: 0.0920 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 113. µg/L Area Ratio: 0.374 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 108. µg/L Area Ratio: 0.297 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 108. µg/L Area Ratio: 0.137 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 107. µg/L Area Ratio: 0.313 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 91.7 µg/L Area Ratio: 0.284 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 92.3 µg/L Area Ratio: 0.212 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 88.8 µg/L Area Ratio: 0.197 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 74.7 µg/L Area Ratio: 0.182 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 87.5 µg/L Area Ratio: 0.104 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 95.5 µg/L Area Ratio: 0.0635 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 2.05 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.28 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

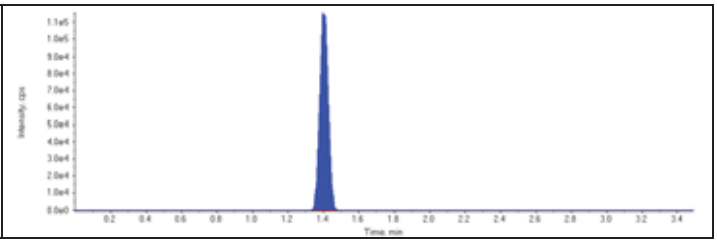
Sample ID	4988945~EJI426-01:1000x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	32
Acquisition Date	2017/05/23 4:31:35 PM	**Dilution Factor**	24.0
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported forPFHxS and PFOS only		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	396000.	1.40	1.00	-
MPFHxS	112000.	1.66	1.00	-
MPFHpA	413000.	1.66	1.00	-
MPFOA	369000.	1.85	1.00	-
MPFOS	161000.	1.96	1.00	-
MPFNA	391000.	1.99	1.00	-
MPFDA	375000.	2.11	1.00	-
MPFUnA	260000.	2.21	1.00	-
MPFDoA	262000.	2.30	1.00	-
MPFTeDA	287000.	2.44	1.00	-
M2 6:2 FTS	156000.	1.81	1.00	-
M2 8:2 FTS	91100.	2.08	1.00	-
13C6-PFHxA IS	1210000.	1.39	0.0417	-
13C9-PFDA IS	1210000.	2.10	0.0417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	35800	1.09	N/A	12.3	N/A
PFBS 2	23500	1.10	N/A	12.7	N/A
PFHxA 1	146000	1.40	N/A	24.3	N/A
PFHxA 2	9700	1.40	N/A	25.1	N/A
PFHxS 1	356000	1.66	N/A	90.5	N/A
PFHxS 2	104000	1.66	N/A	89.9	N/A
PFHpA 1	29200	1.66	N/A	6.08	N/A
PFHpA 2	455	1.60	N/A	N/A	N/A
PFOA 1	94200	1.84	N/A	18.2	N/A
PFOA 2	39200	1.84	N/A	19.2	N/A
PFOS 1	382000	1.93	N/A	124.	N/A
PFOS 2	103000	1.95	N/A	109.	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	804	2.11	N/A	2.87	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	803	2.32	N/A	2.04	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	113000	1.81	N/A	70.6	N/A
6:2-FTS 2	91600	1.81	N/A	80.8	N/A
8:2-FTS 1	5280	2.09	N/A	7.36	N/A
8:2-FTS 2	1730	2.09	N/A	7.38	N/A
13C2-PFHxA	396000	1.40	N/A	102.	N/A
18O2-PFHxS	112000	1.66	N/A	107.	N/A
13C4-PFHpA	413000	1.66	N/A	103.	N/A
13C4-PFOA	369000	1.85	N/A	111.	N/A
13C4-PFOS	161000	1.96	N/A	105.	N/A
13C5-PFNA	391000	1.99	N/A	110.	N/A
13C2-PFDA	375000	2.11	N/A	99.8	N/A
13C2-PFUnA	260000	2.21	N/A	93.3	N/A
13C2-PFDoA	262000	2.30	N/A	97.2	N/A
13C2-PFTeDA	287000	2.44	N/A	97.1	N/A
13C2-6:2-FTS	156000	1.81	N/A	108.	N/A
13C2-8:2 FTS	91100	2.08	N/A	113.	N/A
13C6-PFHxA	1210000	1.39	N/A	2270.	N/A
13C9-PFDA	1210000	2.10	N/A	2430.	N/A

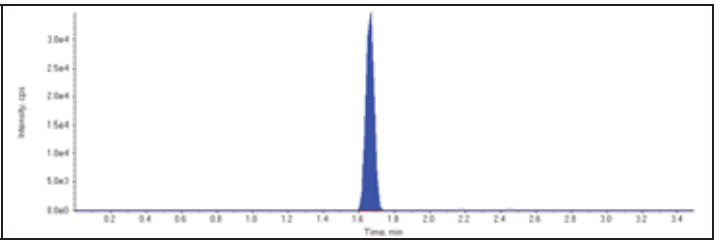
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



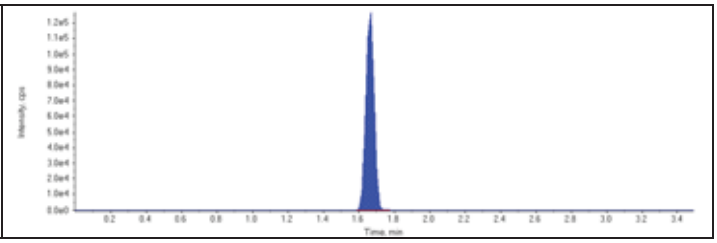
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



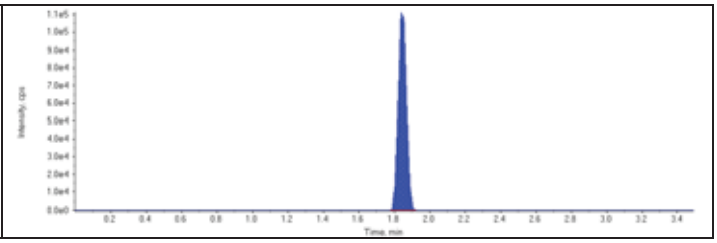
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



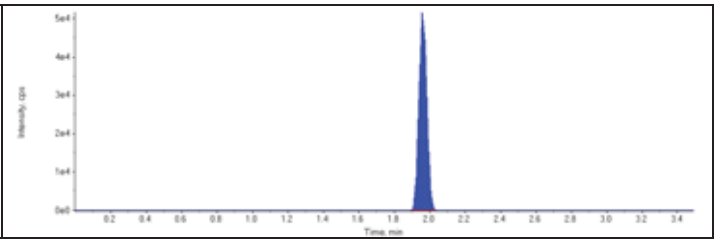
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



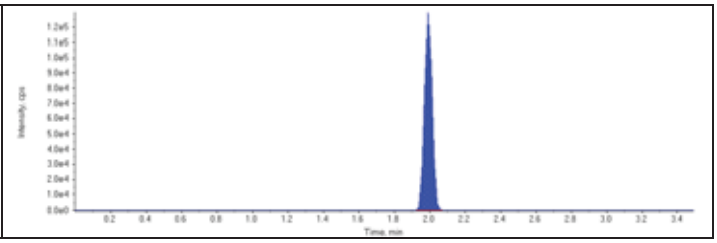
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



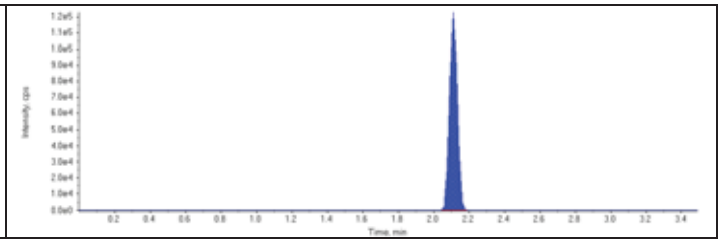
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



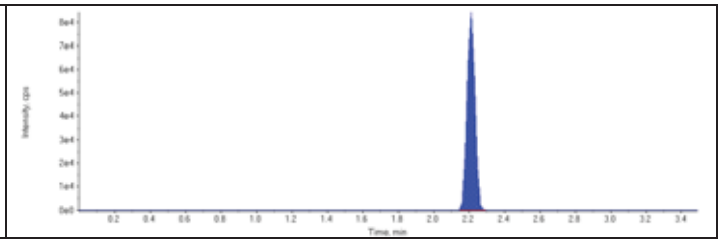
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



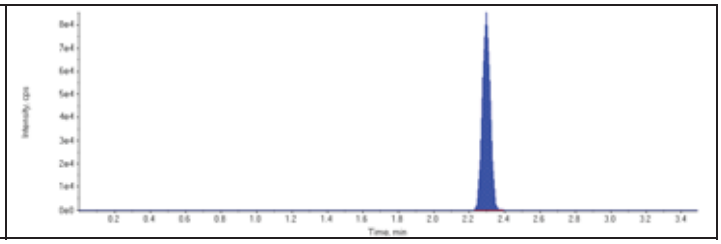
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



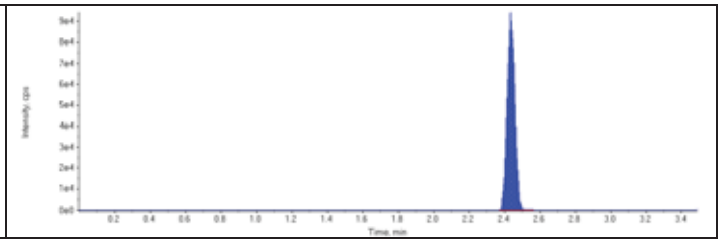
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



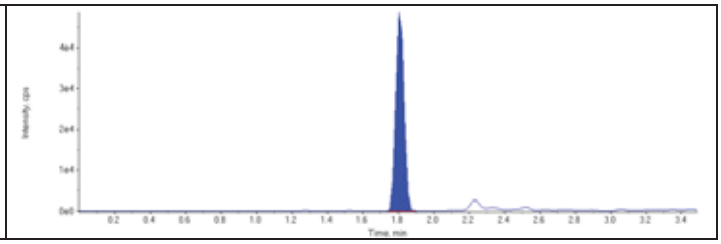
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



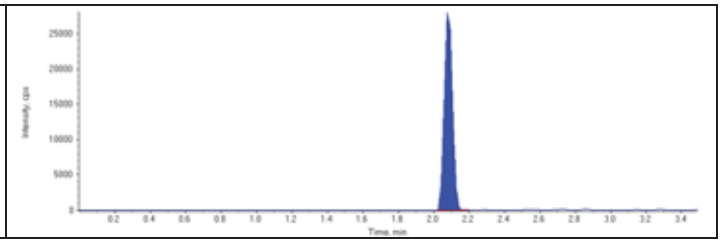
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



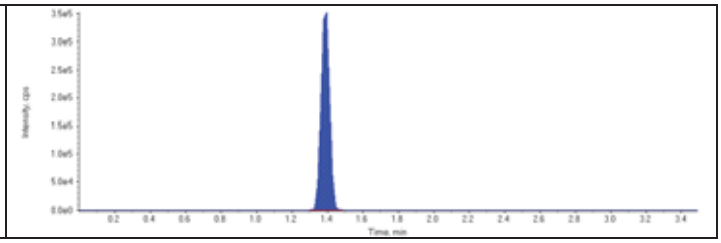
M2 8:2 FTS (Internal Standard)

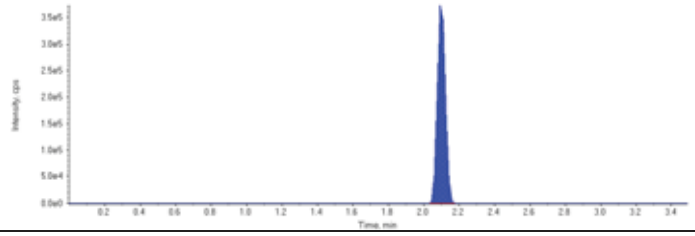
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

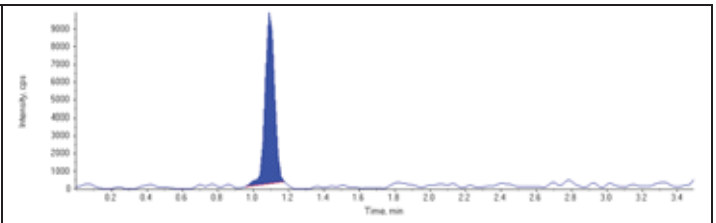
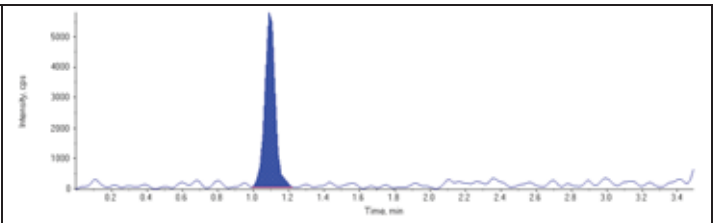
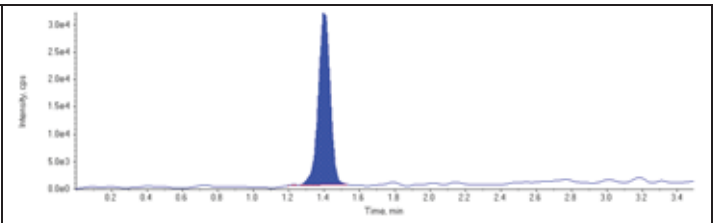
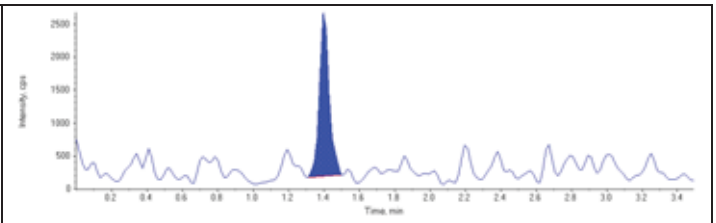
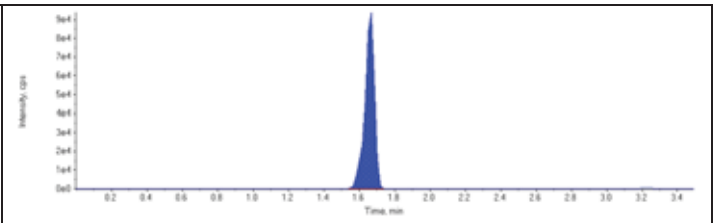
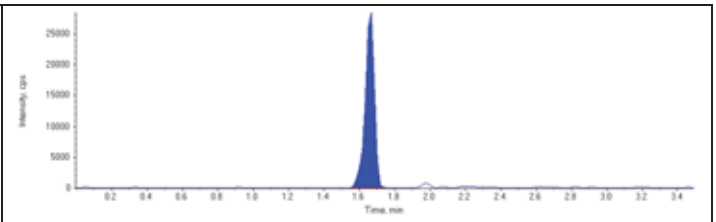


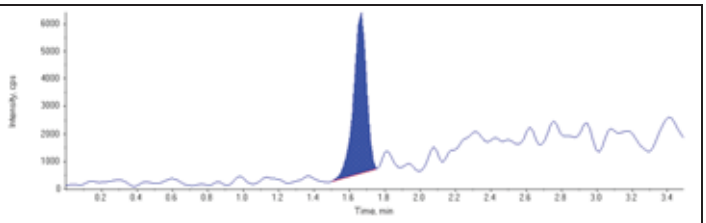
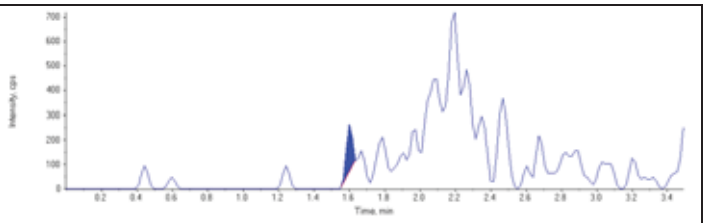
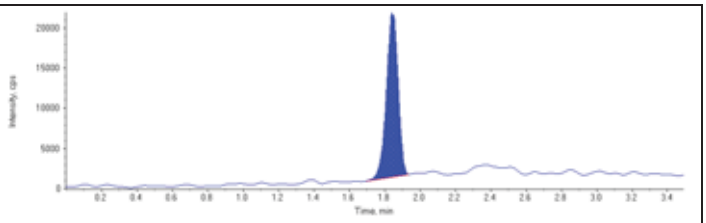
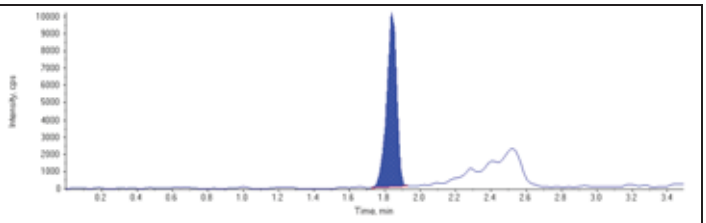
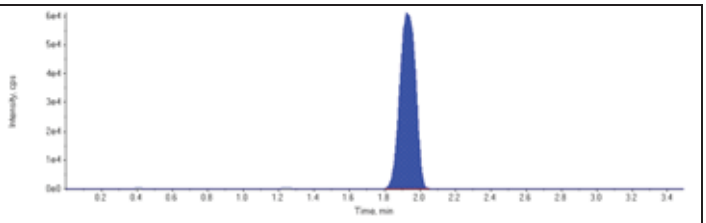
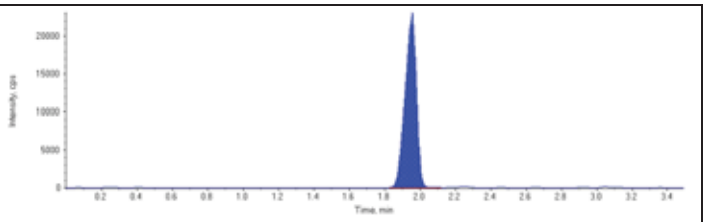
13C6-PFHxA IS (Internal Standard)

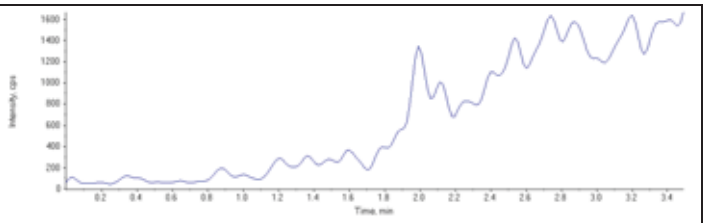
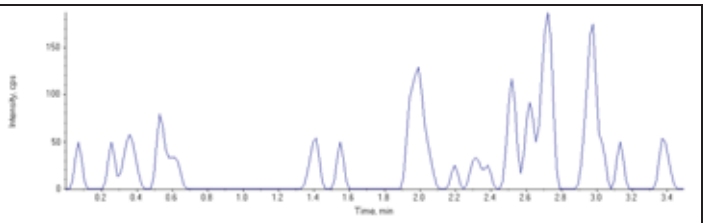
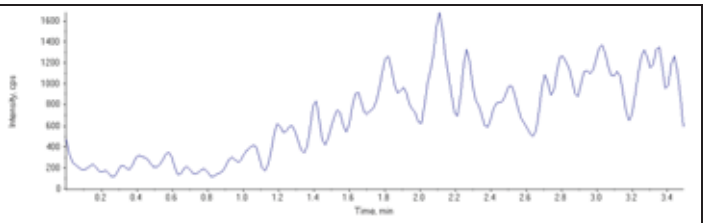
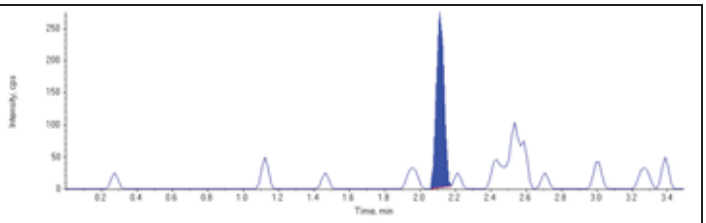
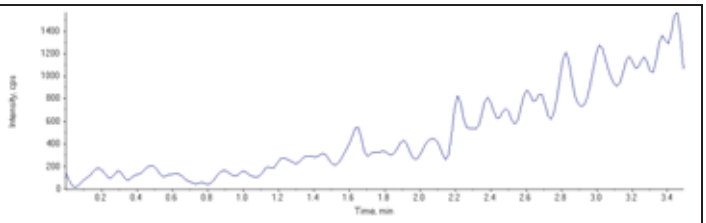
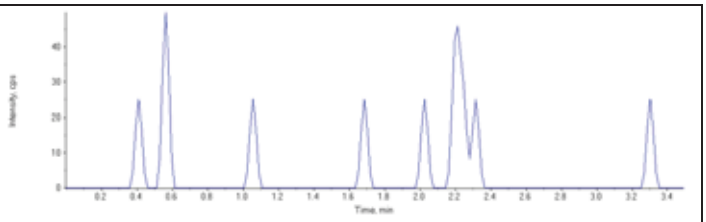
RT (Exp. RT): 1.39(1.40) min
Concentration: 0.0417 ug/L
Sample Type: (Unknown)

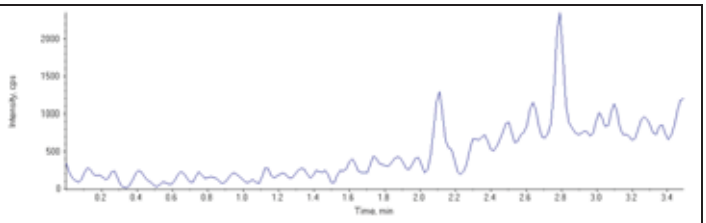
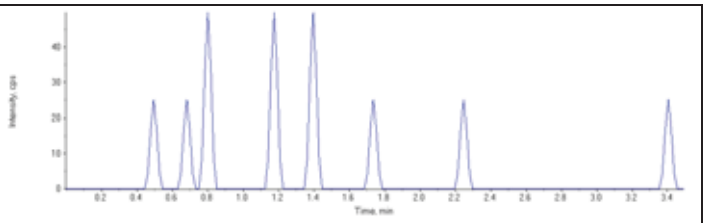
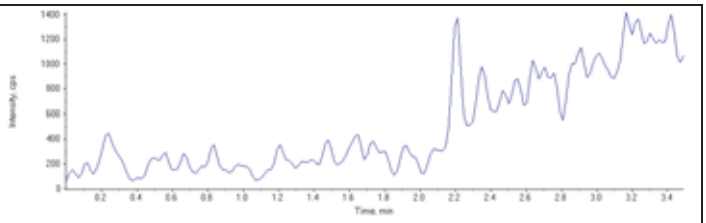
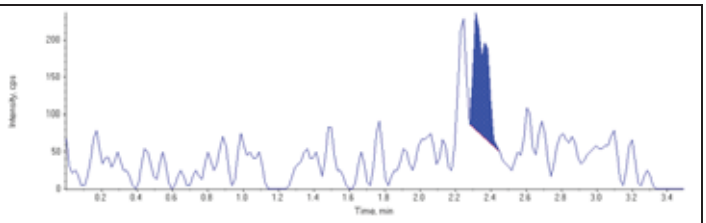
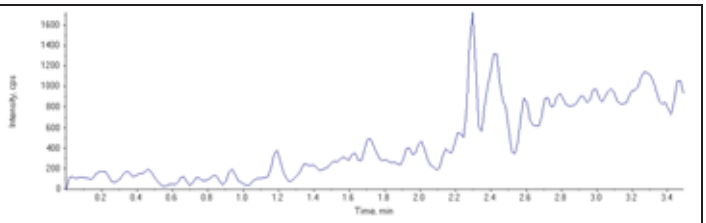
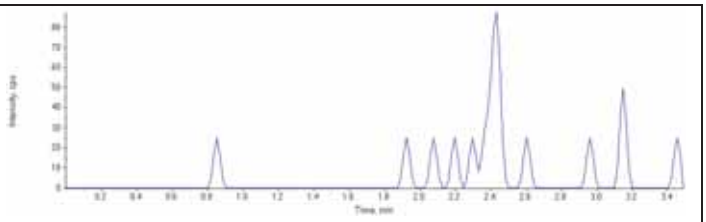


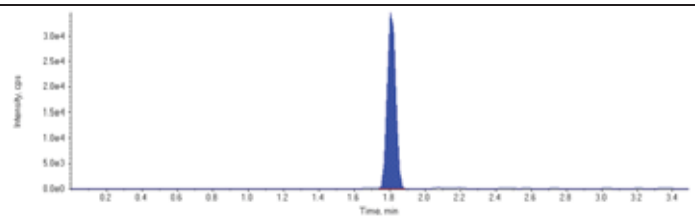
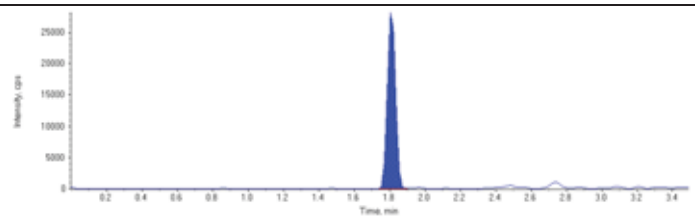
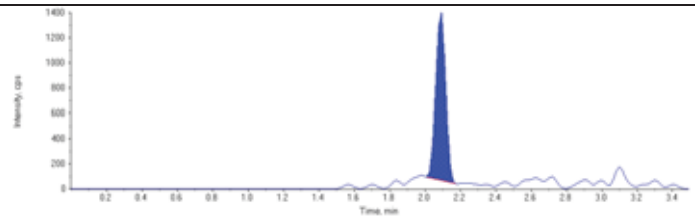
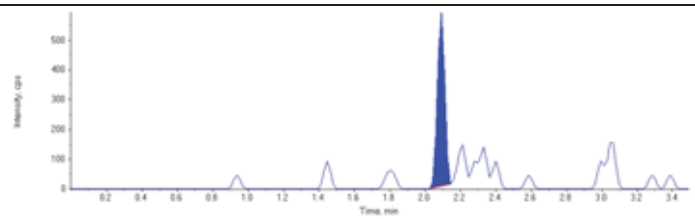
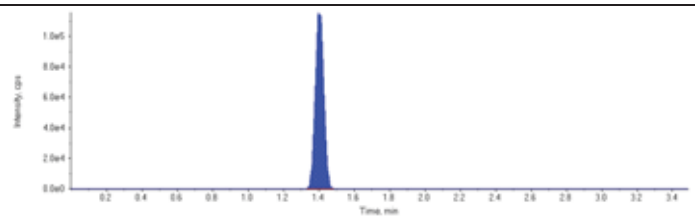
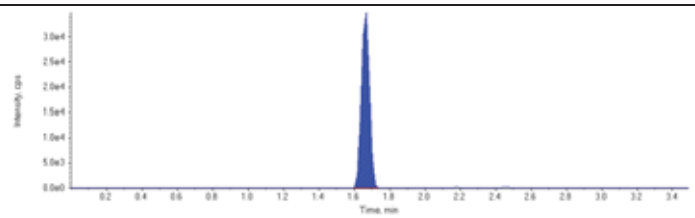
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.0417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

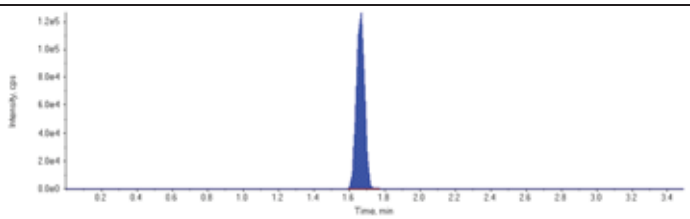
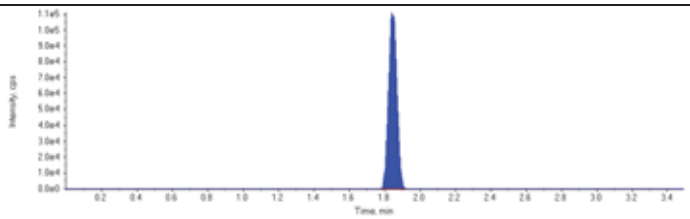
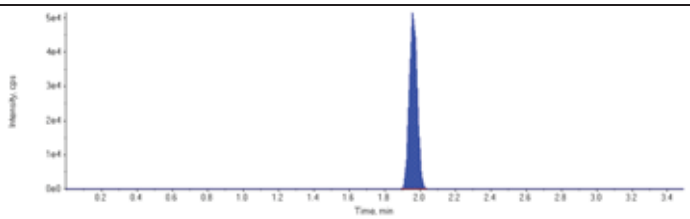
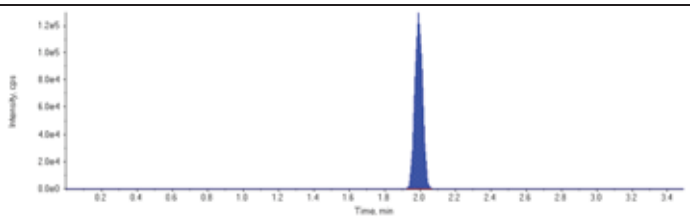
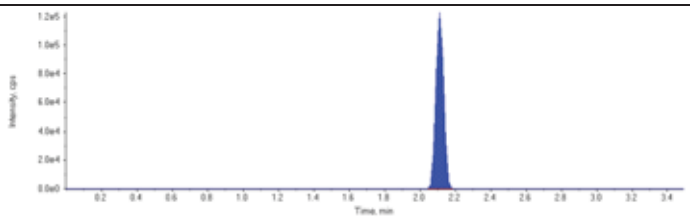
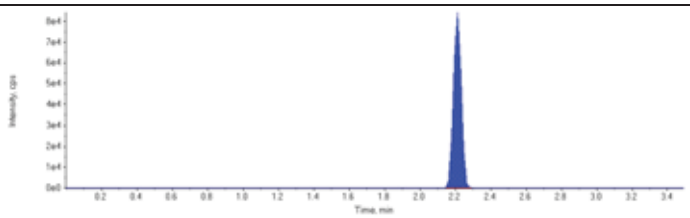
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 12.3 µg/L Area Ratio: 0.320 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 12.7 µg/L Area Ratio: 0.210 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 24.3 µg/L Area Ratio: 0.369 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 25.1 µg/L Area Ratio: 0.0245 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 90.5 µg/L Area Ratio: 3.18 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 89.9 µg/L Area Ratio: 0.932 Sample Type: (Unknown)	

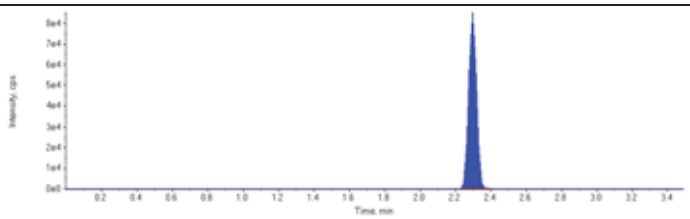
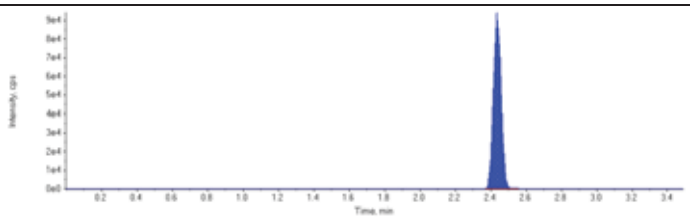
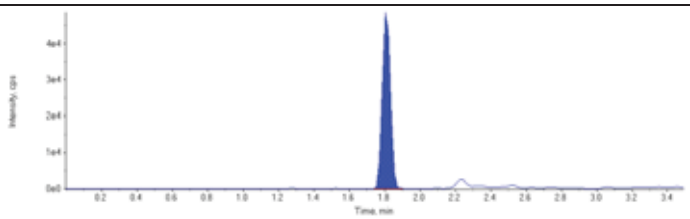
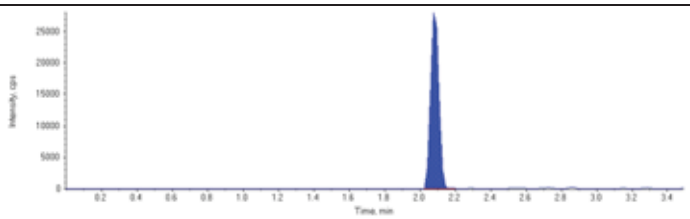
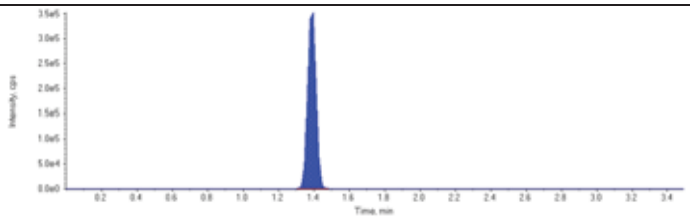
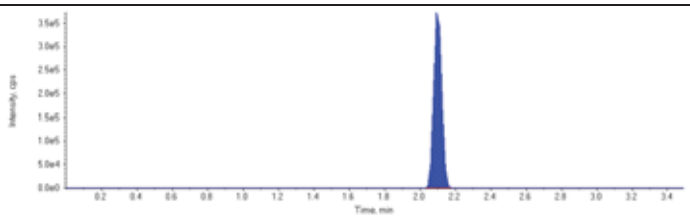
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 6.08 µg/L Area Ratio: 0.0708 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.60 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00110 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 18.2 µg/L Area Ratio: 0.255 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 19.2 µg/L Area Ratio: 0.106 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.93 (1.96) min Calculated Conc: 124. µg/L Area Ratio: 2.37 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 109. µg/L Area Ratio: 0.642 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 2.87 µg/L Area Ratio: 0.00215 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.32 (2.37) min Calculated Conc: 2.04 µg/L Area Ratio: 0.00280 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 70.6 µg/L Area Ratio: 0.724 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 80.8 µg/L Area Ratio: 0.586 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 7.36 µg/L Area Ratio: 0.0579 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 7.38 µg/L Area Ratio: 0.0190 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 102. µg/L Area Ratio: 0.328 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 107. µg/L Area Ratio: 0.0924 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 103. µg/L Area Ratio: 0.341 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 111. µg/L Area Ratio: 0.305 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 105. µg/L Area Ratio: 0.133 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 110. µg/L Area Ratio: 0.323 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 99.8 µg/L Area Ratio: 0.309 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 93.3 µg/L Area Ratio: 0.215 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 97.2 µg/L Area Ratio: 0.216 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 97.1 µg/L Area Ratio: 0.237 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 108. µg/L Area Ratio: 0.129 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 113. µg/L Area Ratio: 0.0753 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2270. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2430. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

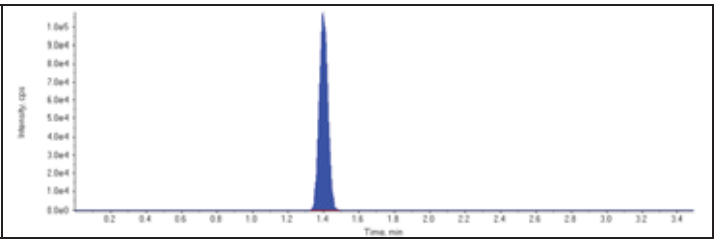
Sample ID	4988945~EJI426-01:100x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	33
Acquisition Date	2017/05/23 4:51:51 PM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for all, except PFHxS and PFOS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	360000.	1.40	1.00	-
MPFHxS	97900.	1.66	1.00	-
MPFHpA	368000.	1.66	1.00	-
MPFOA	296000.	1.84	1.00	-
MPFOS	137000.	1.96	1.00	-
MPFNA	306000.	1.99	1.00	-
MPFDA	328000.	2.11	1.00	-
MPFUnA	217000.	2.21	1.00	-
MPFDoA	202000.	2.30	1.00	-
MPFTeDA	197000.	2.44	1.00	-
M2 6:2 FTS	126000.	1.81	1.00	-
M2 8:2 FTS	73900.	2.08	1.00	-
13C6-PFHxA IS	1230000.	1.39	0.417	-
13C9-PFDA IS	1120000.	2.10	0.417	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	415000	1.09	N/A	9.22	N/A
PFBS 2	213000	1.09	N/A	9.39	N/A
PFHxA 1	1700000	1.40	N/A	26.3	N/A
PFHxA 2	93200	1.40	N/A	24.6	N/A
PFHxS 1	3680000	1.66	N/A	104.	N/A
PFHxS 2	1150000	1.66	N/A	110.	N/A
PFHpA 1	249000	1.66	N/A	4.31	N/A
PFHpA 2	5570	1.67	N/A	4.67	N/A
PFOA 1	936000	1.84	N/A	17.1	N/A
PFOA 2	406000	1.84	N/A	18.3	N/A
PFOS 1	3930000	1.93	N/A	148.	N/A
PFOS 2	993000	1.95	N/A	120.	N/A
PFNA 1	11000	1.99	N/A	0.408	N/A
PFNA 2	4730	1.99	N/A	0.542	N/A
PFDA 1	7430	2.11	N/A	0.347	N/A
PFDA 2	596	2.11	N/A	0.277	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	272	2.38	N/A	0.129	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	1280000	1.81	N/A	91.4	N/A
6:2-FTS 2	842000	1.81	N/A	88.9	N/A
8:2-FTS 1	31900	2.08	N/A	2.51	N/A
8:2-FTS 2	9450	2.09	N/A	2.16	N/A
13C2-PFHxA	360000	1.40	N/A	91.0	N/A
18O2-PFHxS	97900	1.66	N/A	92.1	N/A
13C4-PFHpA	368000	1.66	N/A	90.4	N/A
13C4-PFOA	296000	1.84	N/A	87.2	N/A
13C4-PFOS	137000	1.96	N/A	87.6	N/A
13C5-PFNA	306000	1.99	N/A	84.9	N/A
13C2-PFDA	328000	2.11	N/A	94.1	N/A
13C2-PFUnA	217000	2.21	N/A	83.7	N/A
13C2-PFDoA	202000	2.30	N/A	80.6	N/A
13C2-PFTeDA	197000	2.44	N/A	71.8	N/A
13C2-6:2-FTS	126000	1.81	N/A	86.0	N/A
13C2-8:2 FTS	73900	2.08	N/A	90.1	N/A
13C6-PFHxA	1230000	1.39	N/A	231.	N/A
13C9-PFDA	1120000	2.10	N/A	225.	N/A

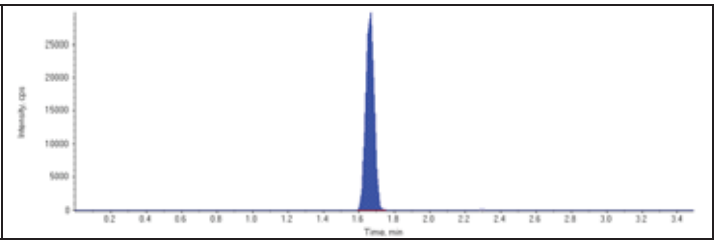
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



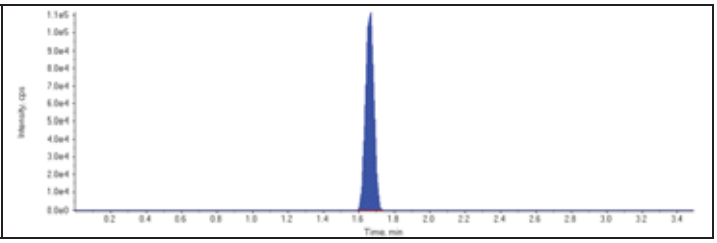
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



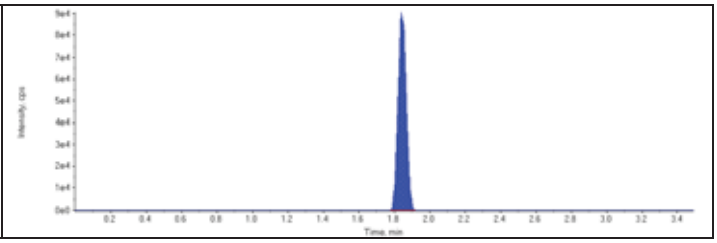
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



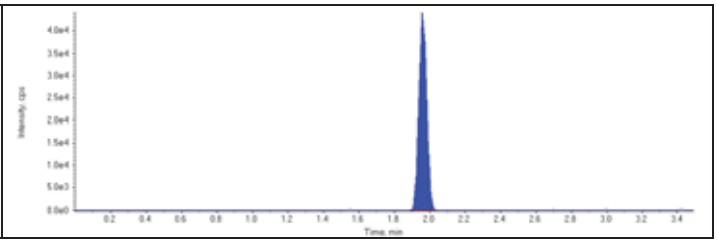
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



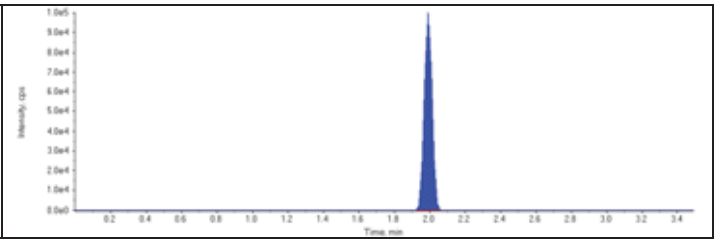
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



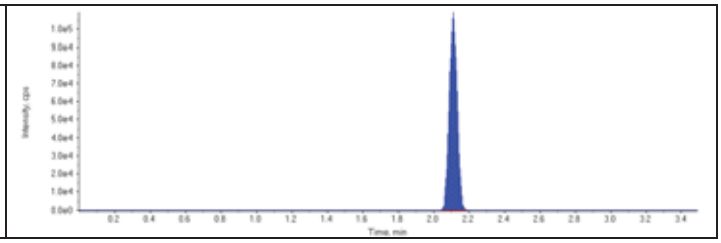
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



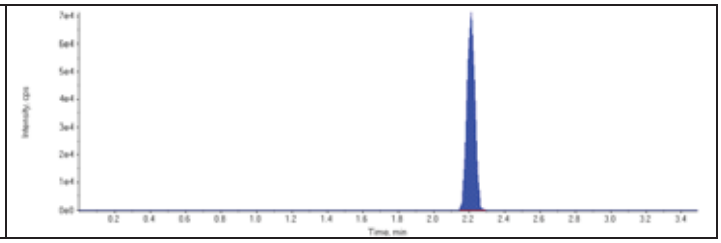
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



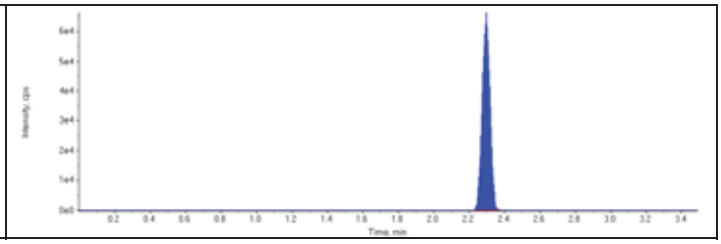
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



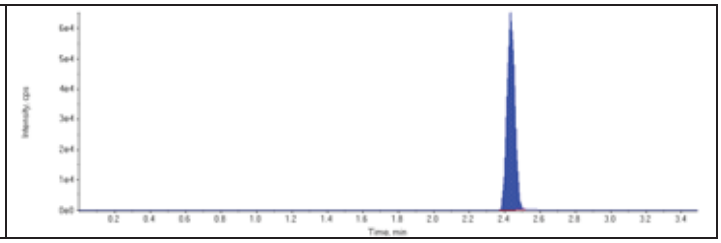
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



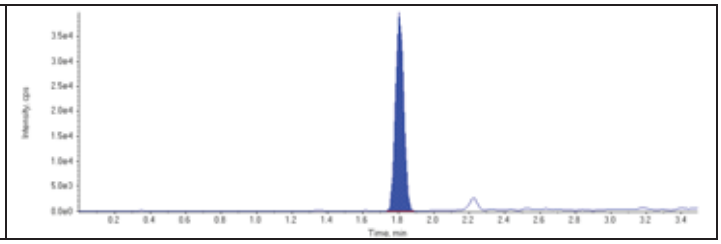
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



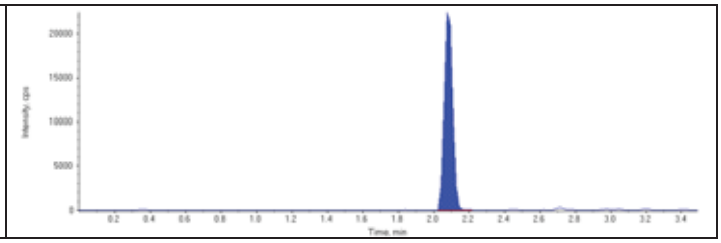
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



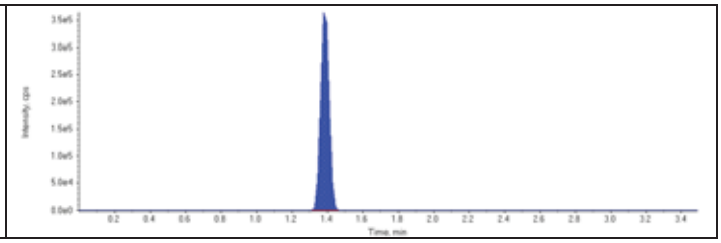
M2 8:2 FTS (Internal Standard)

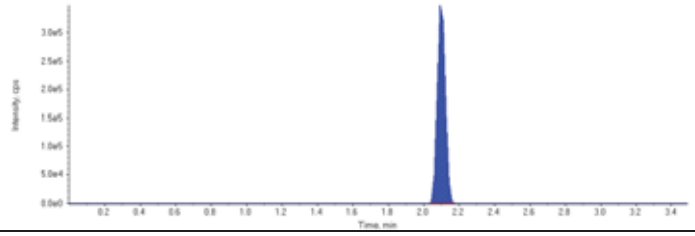
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

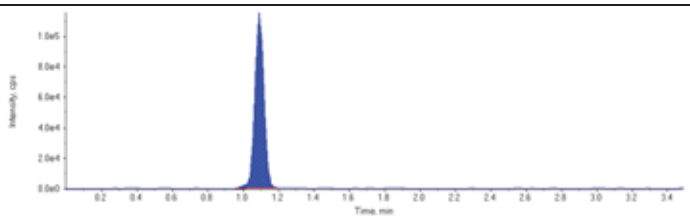
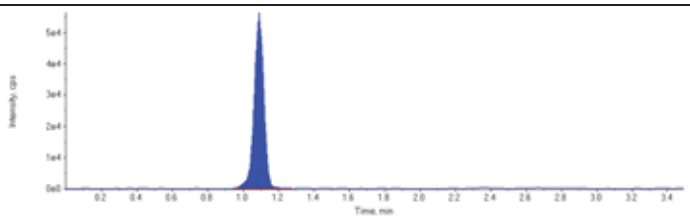
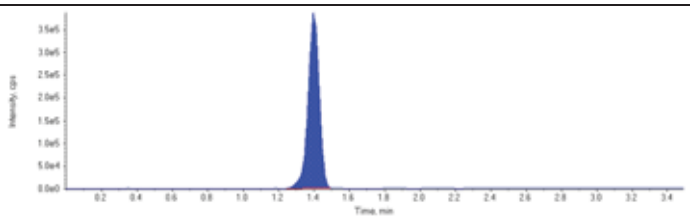
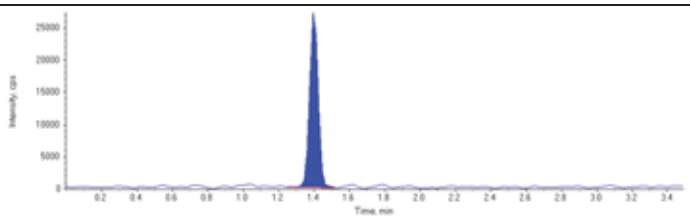
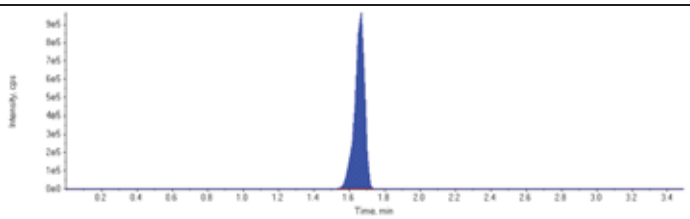
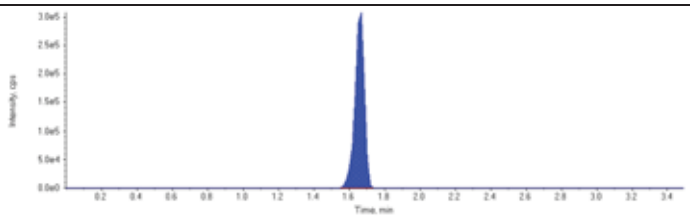


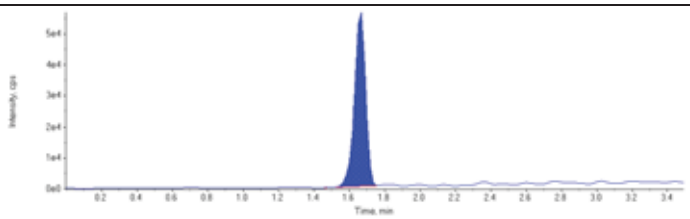
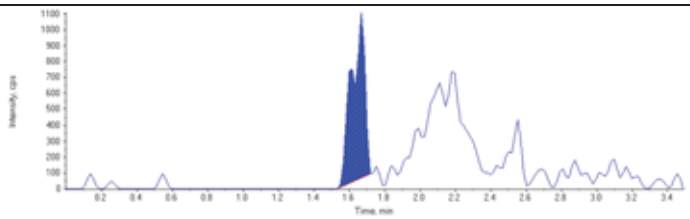
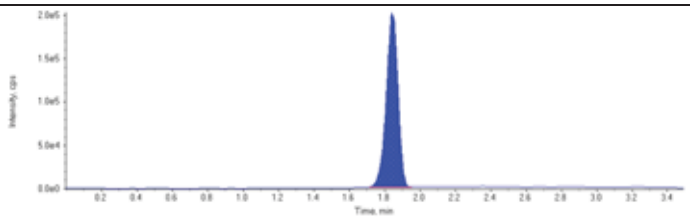
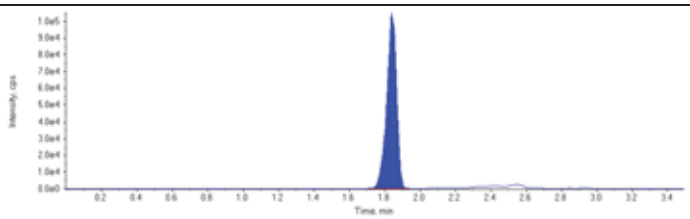
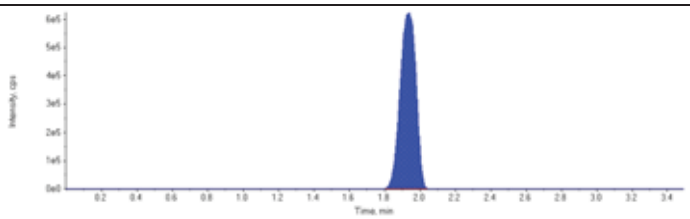
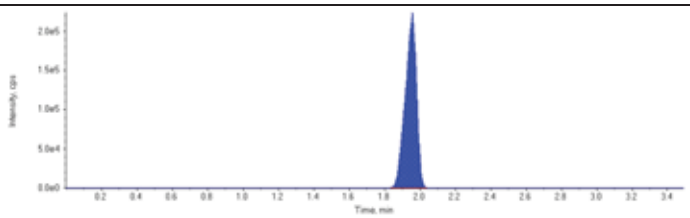
13C6-PFHxA IS (Internal Standard)

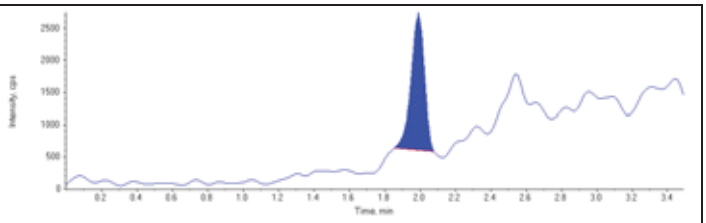
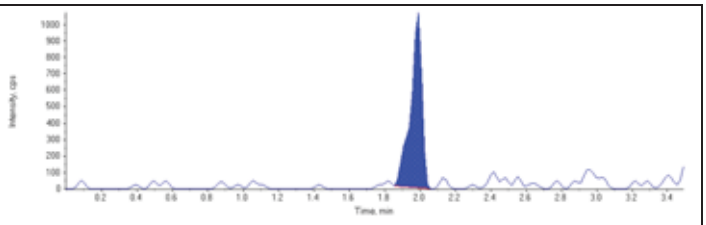
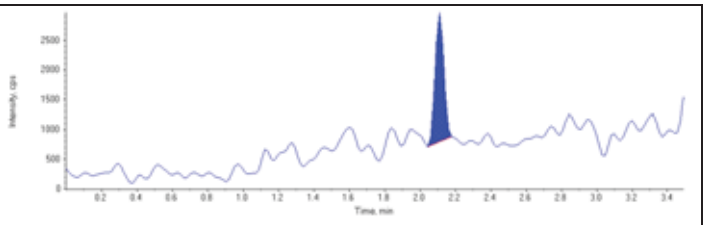
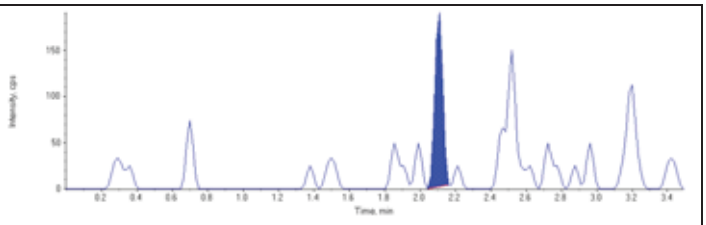
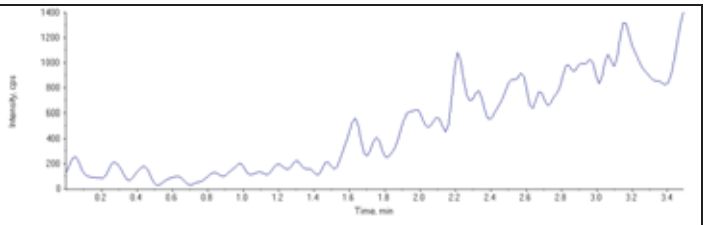
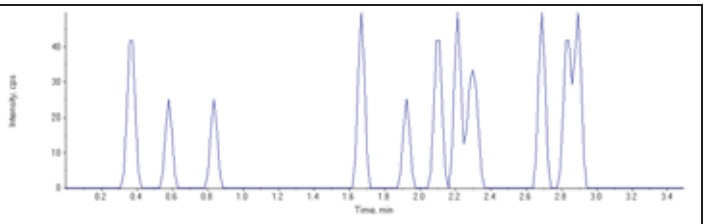
RT (Exp. RT): 1.39(1.40) min
Concentration: 0.417 ug/L
Sample Type: (Unknown)

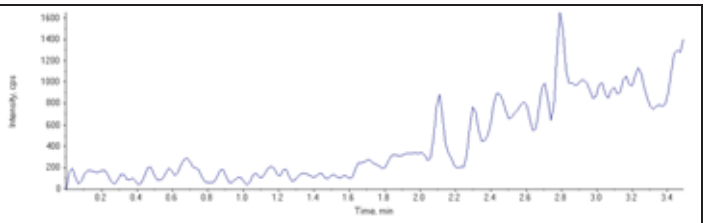
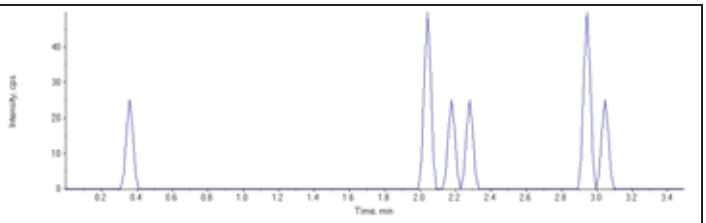
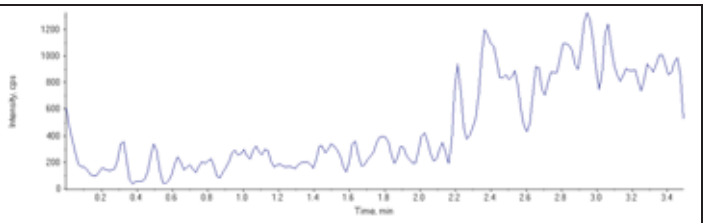
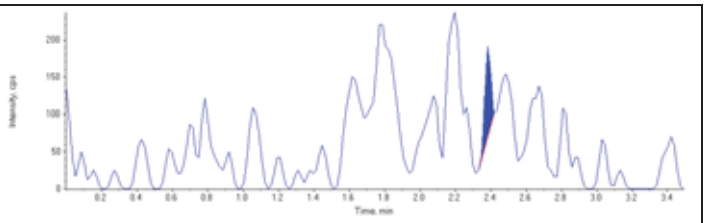
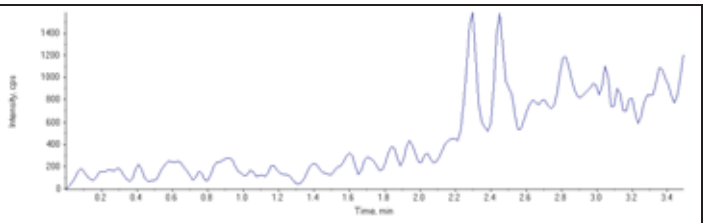
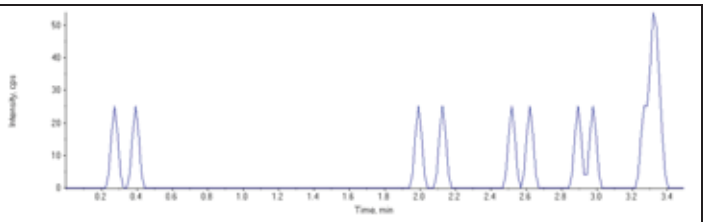


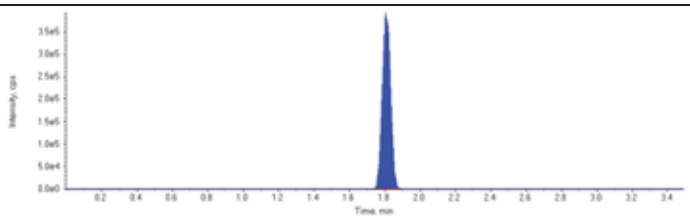
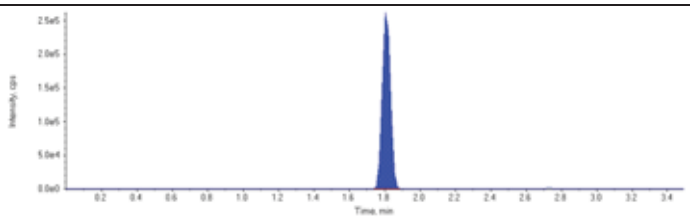
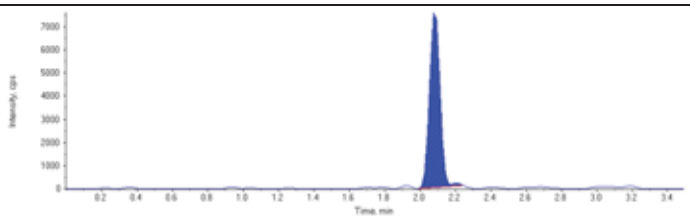
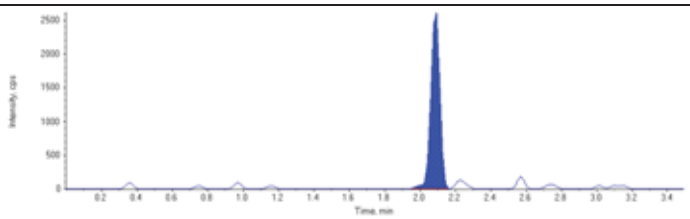
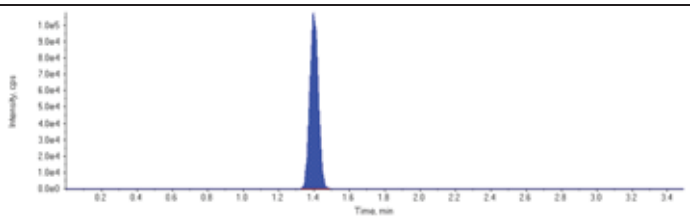
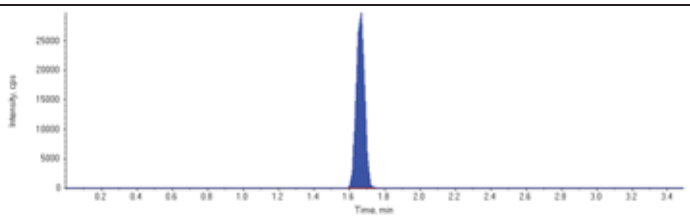
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.417 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

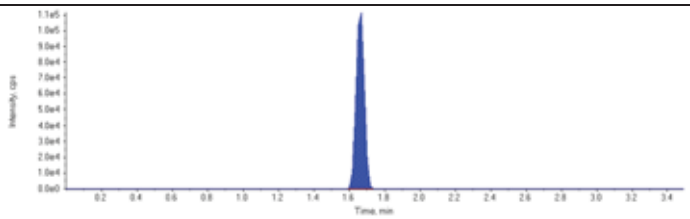
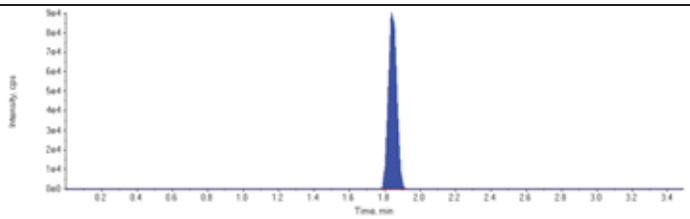
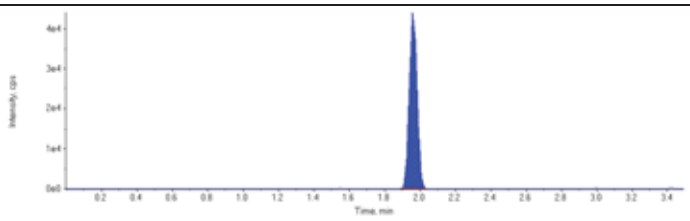
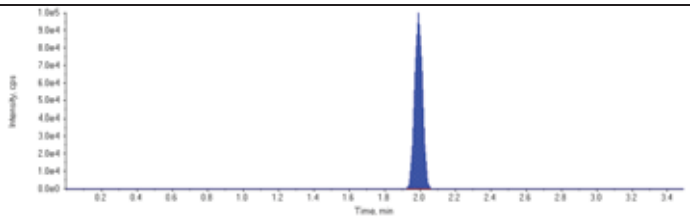
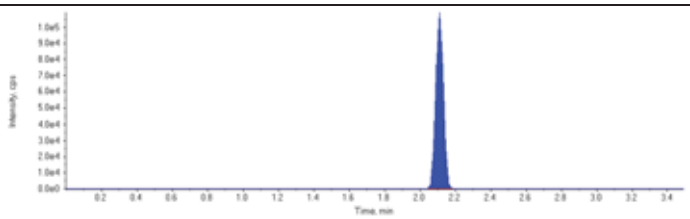
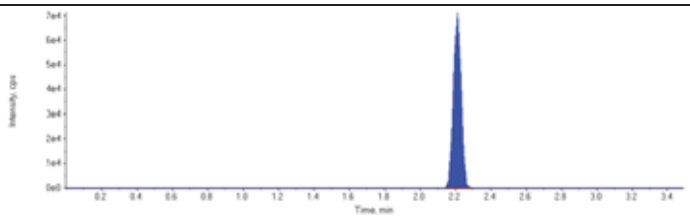
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 9.22 µg/L Area Ratio: 4.23 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 9.39 µg/L Area Ratio: 2.17 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 26.3 µg/L Area Ratio: 4.72 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 24.6 µg/L Area Ratio: 0.259 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 104. µg/L Area Ratio: 37.6 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 110. µg/L Area Ratio: 11.8 Sample Type: (Unknown)	

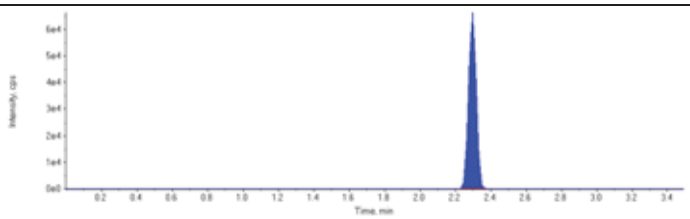
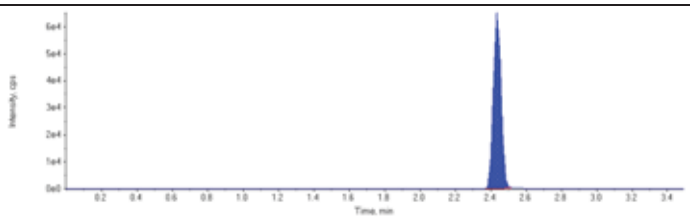
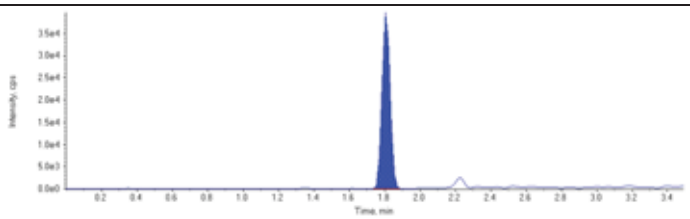
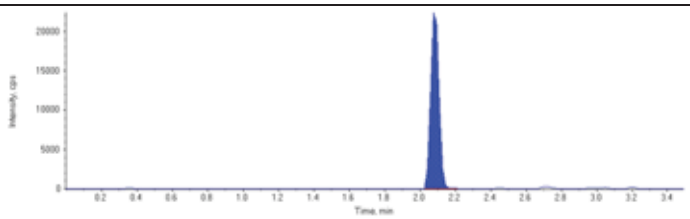
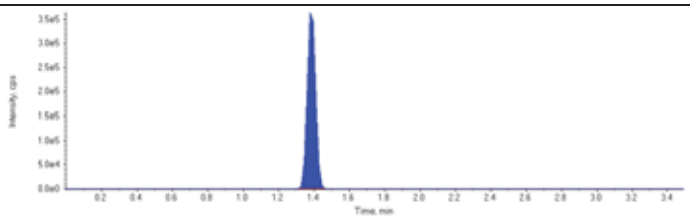
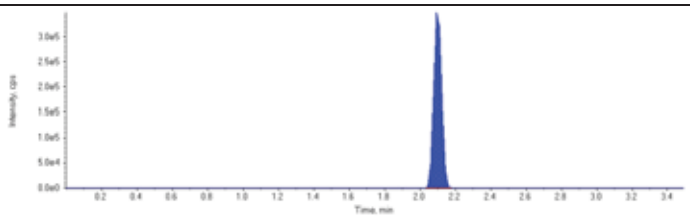
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 4.31 µg/L Area Ratio: 0.676 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 4.67 µg/L Area Ratio: 0.0151 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.84 (1.85) min Calculated Conc: 17.1 µg/L Area Ratio: 3.17 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 18.3 µg/L Area Ratio: 1.37 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.93 (1.96) min Calculated Conc: 148. µg/L Area Ratio: 28.7 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 120. µg/L Area Ratio: 7.25 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.408 µg/L Area Ratio: 0.0358 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.542 µg/L Area Ratio: 0.0154 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 0.347 µg/L Area Ratio: 0.0227 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.277 µg/L Area Ratio: 0.00182 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.38 (2.37) min Calculated Conc: 0.129 µg/L Area Ratio: 0.00138 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 91.4 µg/L Area Ratio: 10.1 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 88.9 µg/L Area Ratio: 6.66 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.08 (2.16) min Calculated Conc: 2.51 µg/L Area Ratio: 0.431 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 2.16 µg/L Area Ratio: 0.128 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 91.0 µg/L Area Ratio: 0.292 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 92.1 µg/L Area Ratio: 0.0794 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 90.4 µg/L Area Ratio: 0.299 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 87.2 µg/L Area Ratio: 0.240 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 87.6 µg/L Area Ratio: 0.111 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 84.9 µg/L Area Ratio: 0.249 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 94.1 µg/L Area Ratio: 0.292 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 83.7 µg/L Area Ratio: 0.193 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 80.6 µg/L Area Ratio: 0.179 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 71.8 µg/L Area Ratio: 0.175 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 86.0 µg/L Area Ratio: 0.103 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 90.1 µg/L Area Ratio: 0.0600 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 231. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 225. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

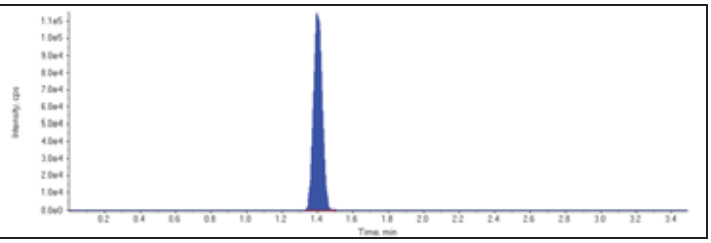
Sample ID	4988945~EJI427-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	34
Acquisition Date	2017/05/23 5:02:00 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	390000.	1.40	1.00	-
MPFHxS	107000.	1.66	1.00	-
MPFHpA	346000.	1.66	1.00	-
MPFOA	338000.	1.84	1.00	-
MPFOS	136000.	1.96	1.00	-
MPFNA	330000.	1.99	1.00	-
MPFDA	324000.	2.11	1.00	-
MPFUnA	226000.	2.21	1.00	-
MPFDoA	209000.	2.30	1.00	-
MPFTeDA	204000.	2.44	1.00	-
M2 6:2 FTS	126000.	1.81	1.00	-
M2 8:2 FTS	64000.	2.08	1.00	-
13C6-PFHxA IS	1240000.	1.39	41.7	-
13C9-PFDA IS	1150000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	758	1.09	N/A	0.00427	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	1130	1.42	N/A	0.00474	N/A
PFHxS 1	0	0.00	N/A	N/A	N/A
PFHxS 2	806	1.67	N/A	0.00402	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	271	1.84	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1490	1.85	N/A	0.00599	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	1200	2.19	N/A	0.00486	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	519	2.23	N/A	0.00192	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	1410	2.41	N/A	0.00419	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	614	1.81	N/A	0.00348	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	479	2.33	N/A	0.00588	N/A
13C2-PFHxA	390000	1.40	N/A	97.8	N/A
18O2-PFHxS	107000	1.66	N/A	99.9	N/A
13C4-PFHpA	346000	1.66	N/A	84.4	N/A
13C4-PFOA	338000	1.84	N/A	99.2	N/A
13C4-PFOS	136000	1.96	N/A	86.4	N/A
13C5-PFNA	330000	1.99	N/A	91.0	N/A
13C2-PFDA	324000	2.11	N/A	90.7	N/A
13C2-PFUnA	226000	2.21	N/A	85.3	N/A
13C2-PFDoA	209000	2.30	N/A	81.6	N/A
13C2-PFTeDA	204000	2.44	N/A	72.7	N/A
13C2-6:2-FTS	126000	1.81	N/A	85.0	N/A
13C2-8:2 FTS	64000	2.08	N/A	77.6	N/A
13C6-PFHxA	1240000	1.39	N/A	2.32	N/A
13C9-PFDA	1150000	2.10	N/A	2.31	N/A

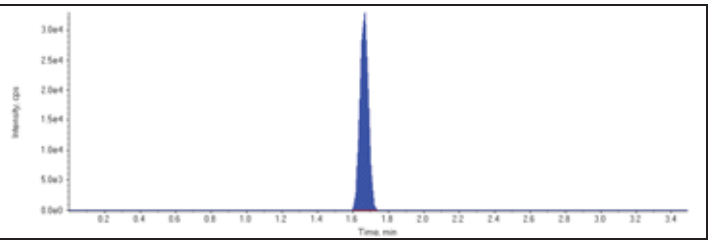
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



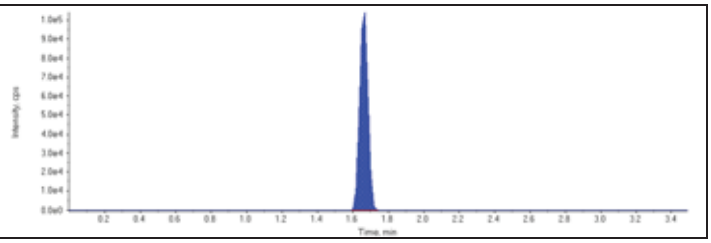
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



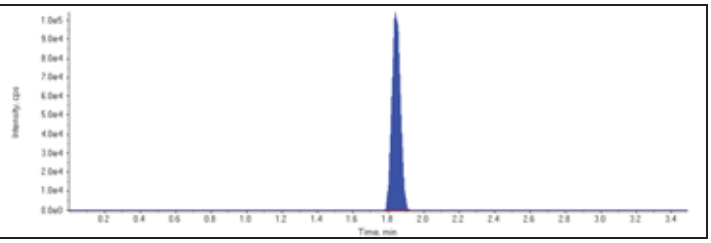
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



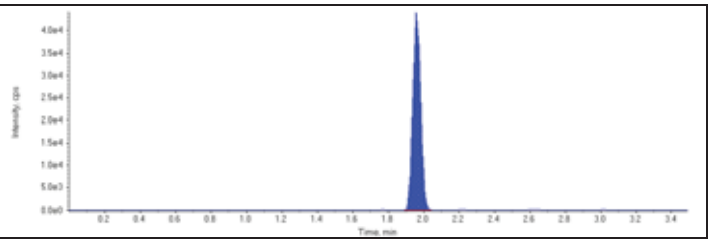
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



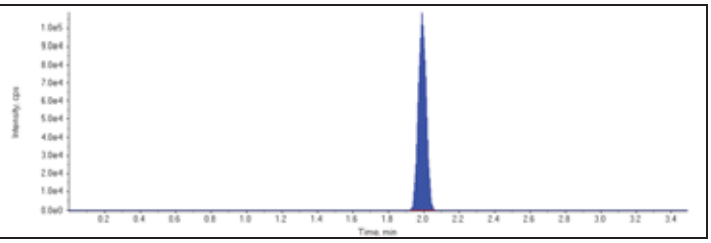
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



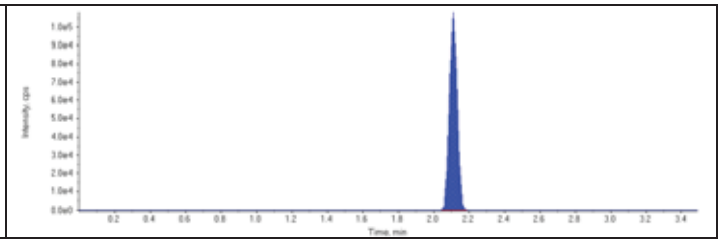
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



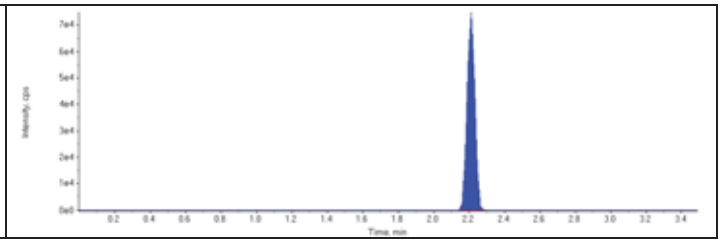
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



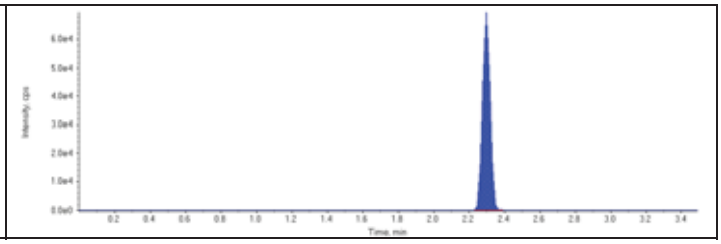
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



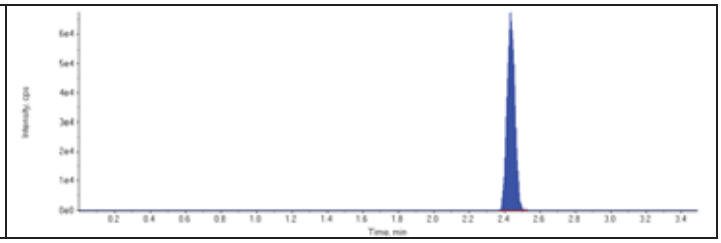
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



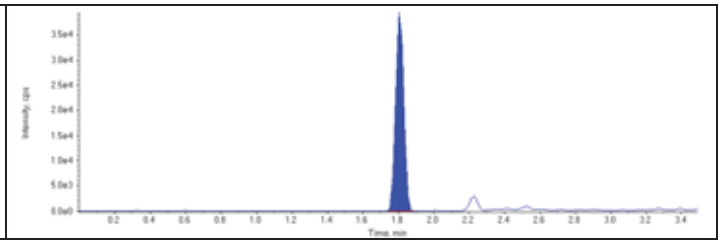
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



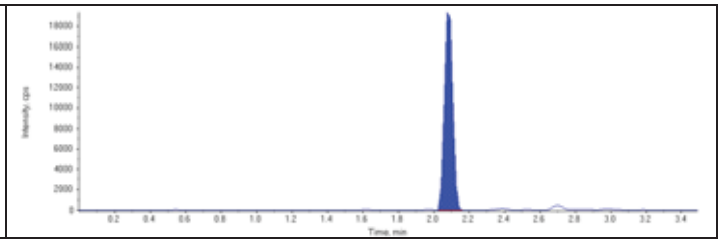
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



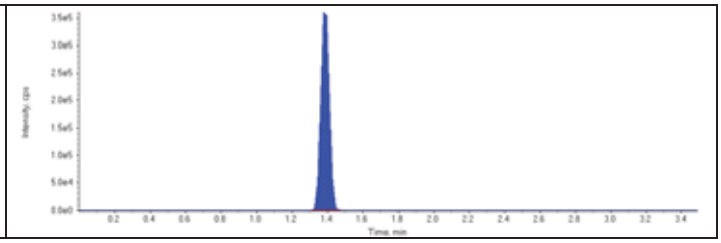
M2 8:2 FTS (Internal Standard)

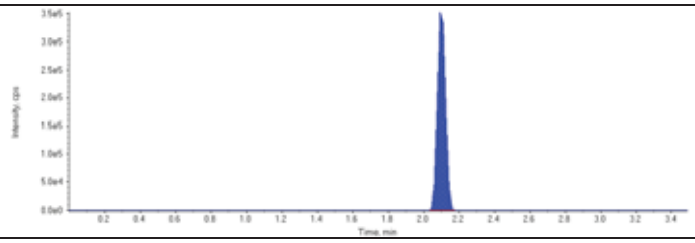
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

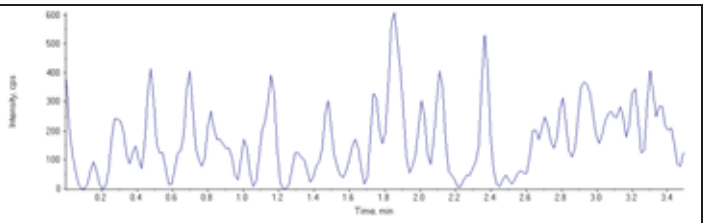
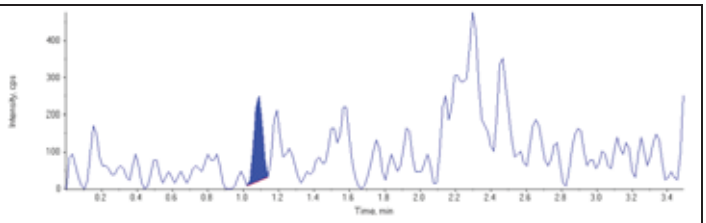
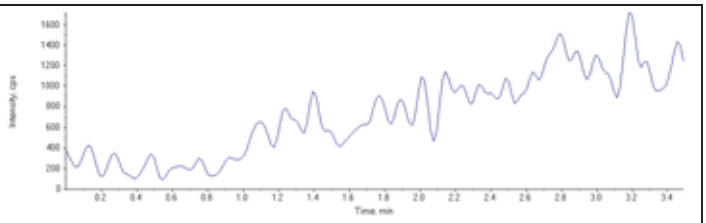
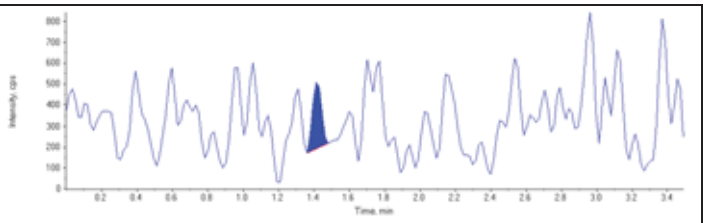
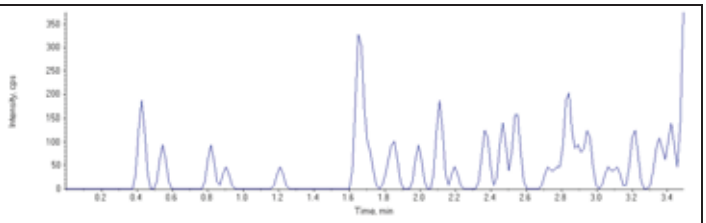
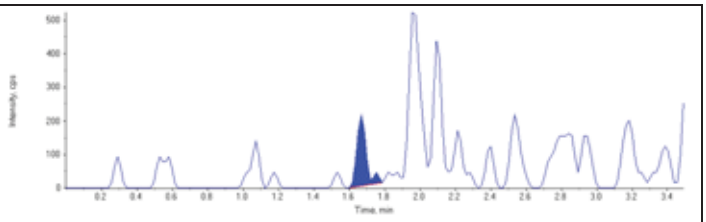


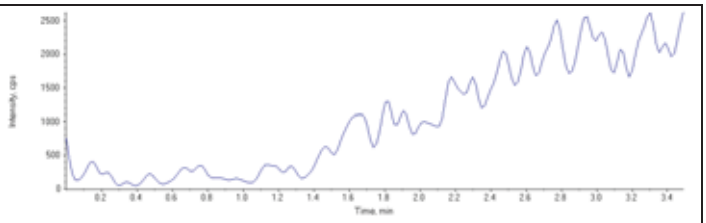
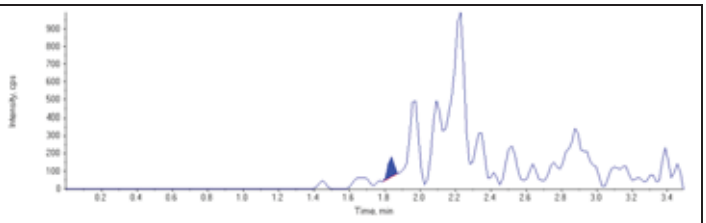
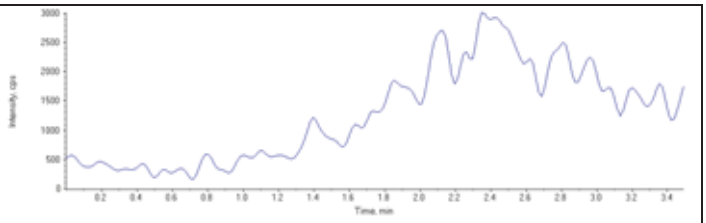
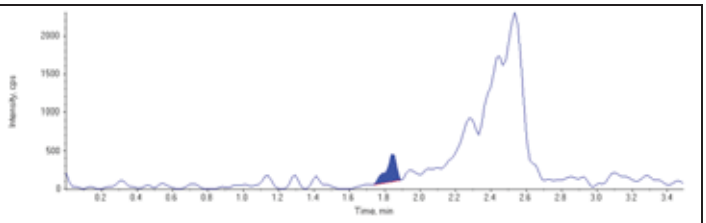
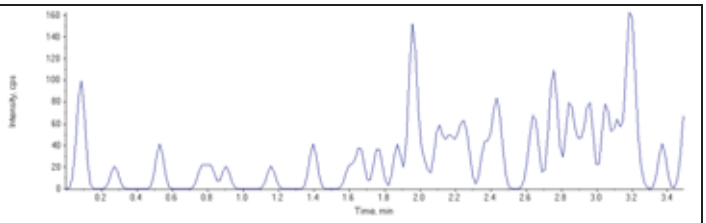
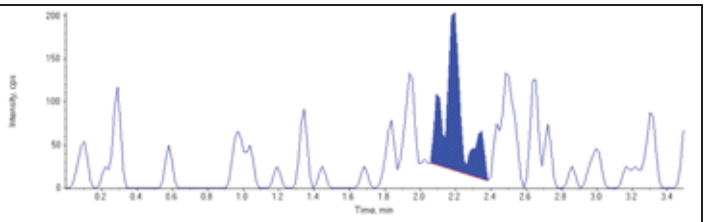
13C6-PFHxA IS (Internal Standard)

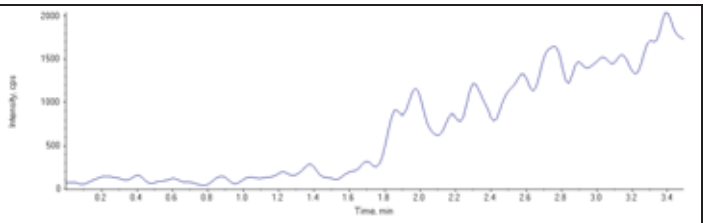
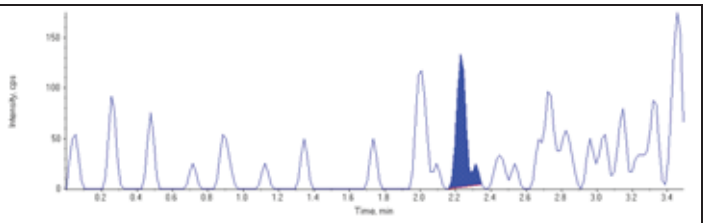
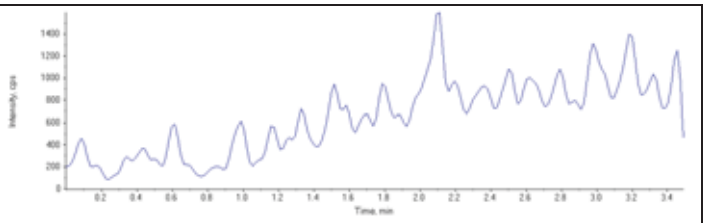
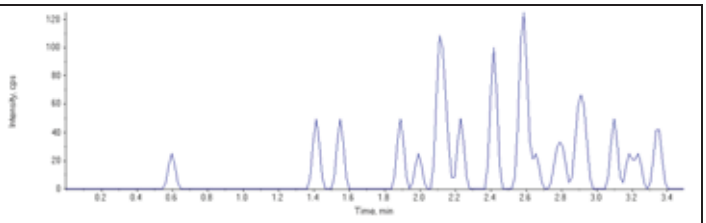
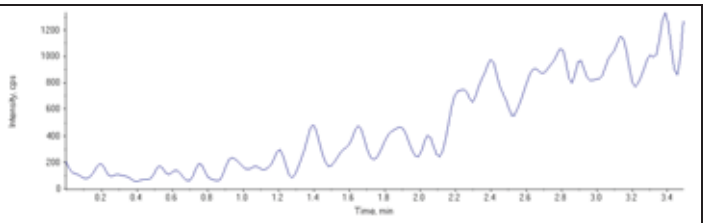
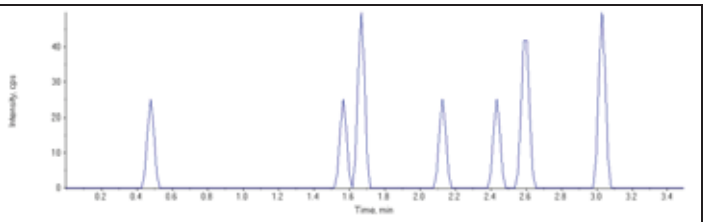
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

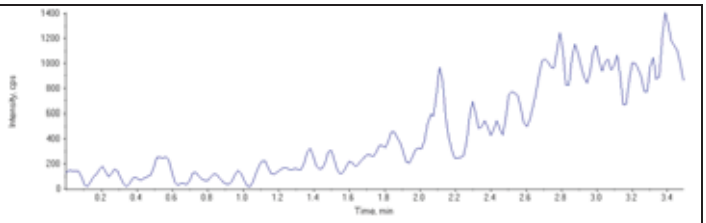
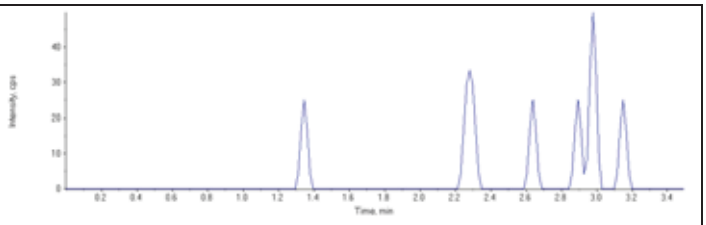
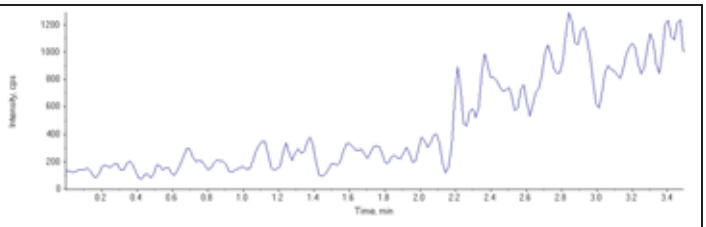
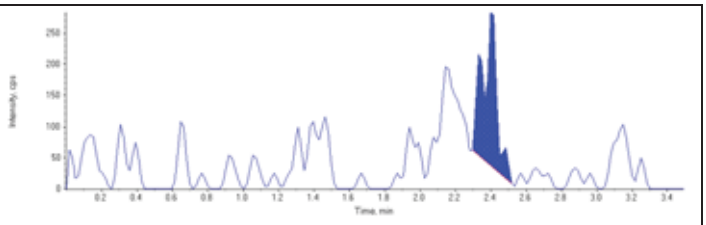
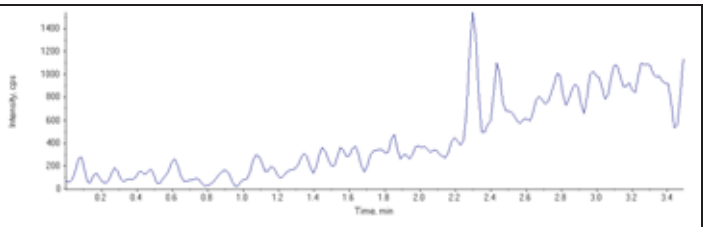
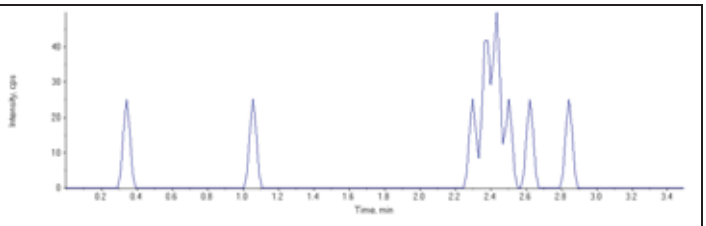


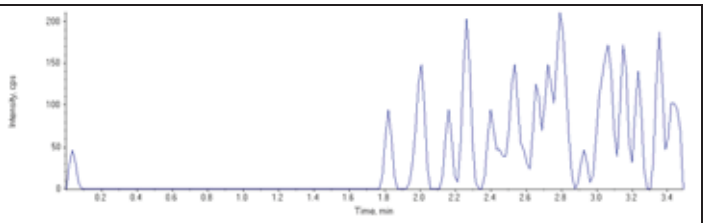
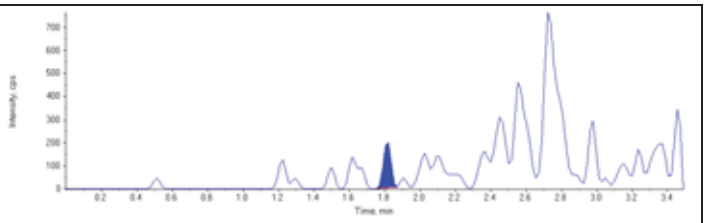
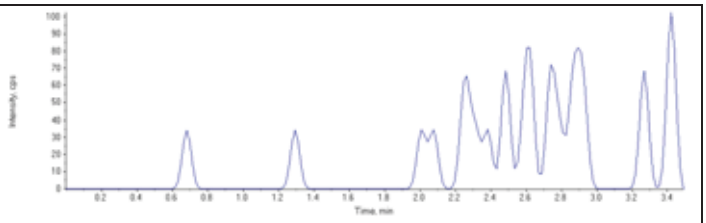
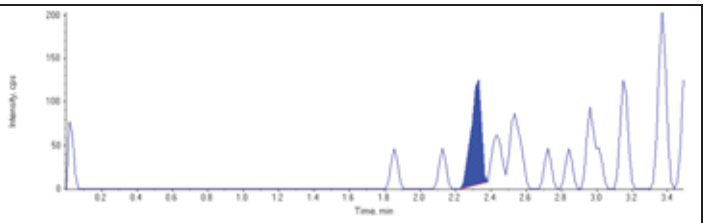
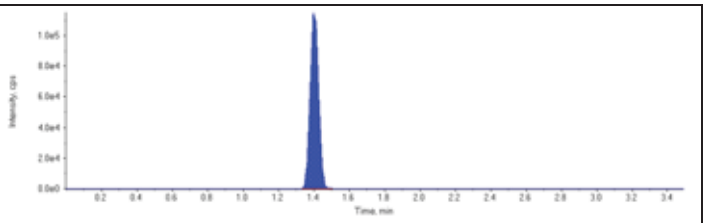
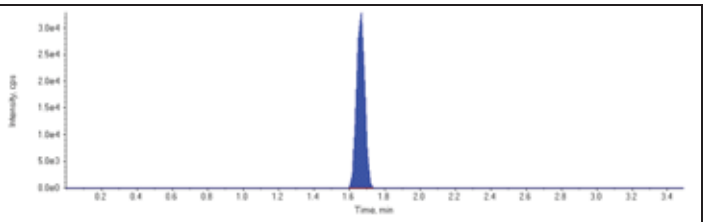
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

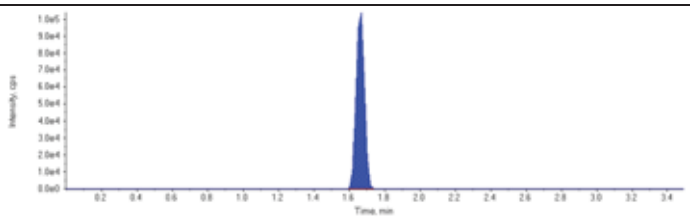
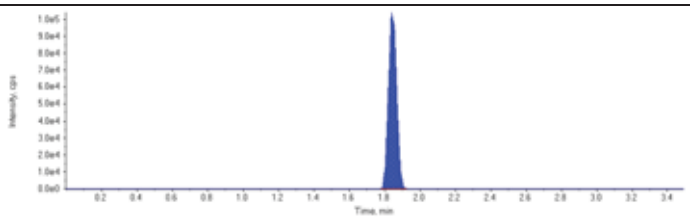
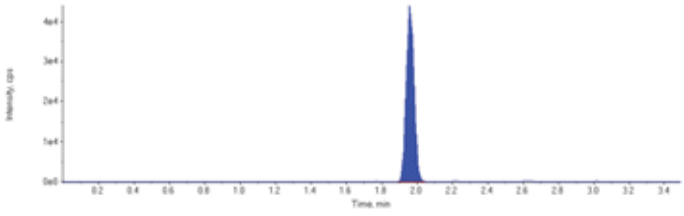
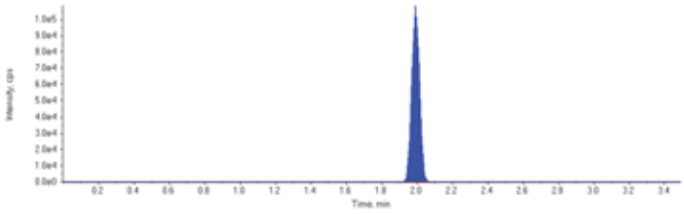
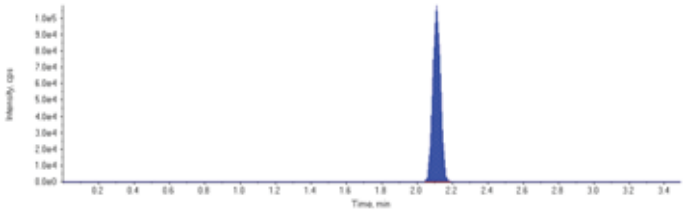
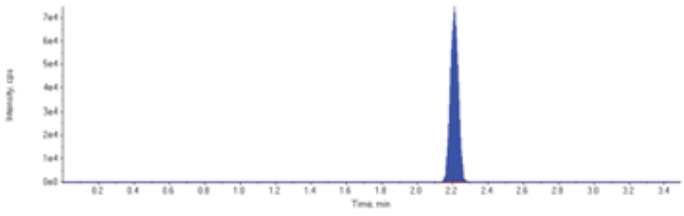
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.00427 µg/L Area Ratio: 0.00710 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.42 (1.41) min Calculated Conc: 0.00474 µg/L Area Ratio: 0.00291 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 0.00402 µg/L Area Ratio: 0.00755 Sample Type: (Unknown)	

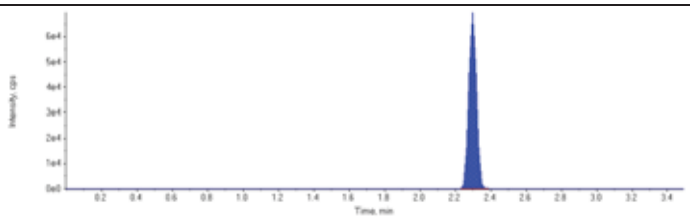
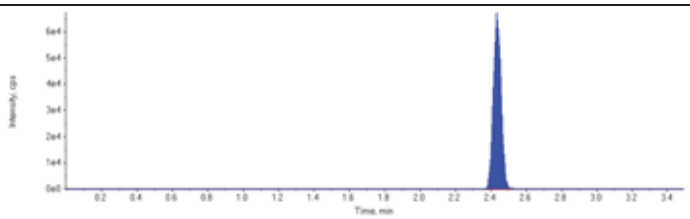
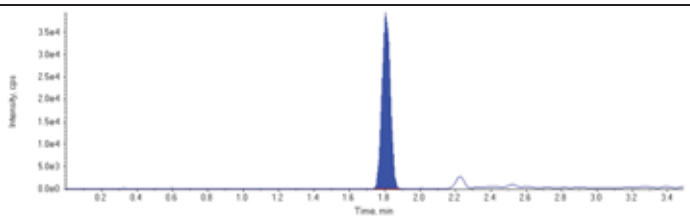
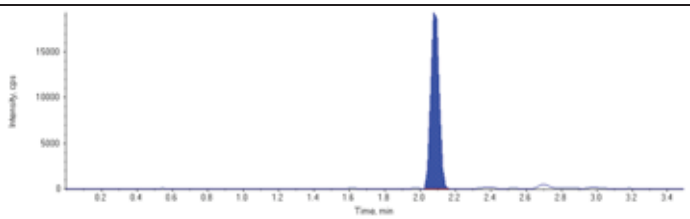
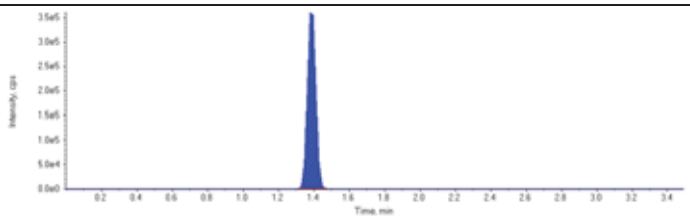
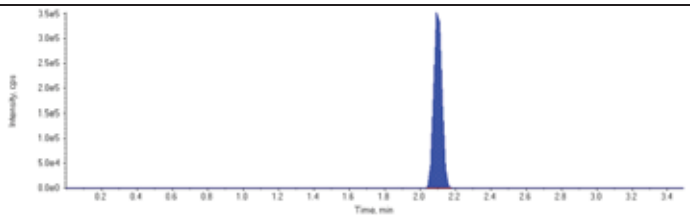
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.84 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.000784 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 0.00599 µg/L Area Ratio: 0.00439 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.96) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 2.19 (1.96) min Calculated Conc: 0.00486 µg/L Area Ratio: 0.00887 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.23 (1.99) min Calculated Conc: 0.00192 µg/L Area Ratio: 0.00157 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 0.00 (2.11) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.41 (2.37) min Calculated Conc: 0.00419 µg/L Area Ratio: 0.00688 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.90) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 0.00348 µg/L Area Ratio: 0.00489 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.33 (2.09) min Calculated Conc: 0.00588 µg/L Area Ratio: 0.00748 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 97.8 µg/L Area Ratio: 0.315 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 99.9 µg/L Area Ratio: 0.0861 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 84.4 µg/L Area Ratio: 0.279 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 99.2 µg/L Area Ratio: 0.273 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 86.4 µg/L Area Ratio: 0.110 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 91.0 µg/L Area Ratio: 0.267 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 90.7 µg/L Area Ratio: 0.281 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 85.3 µg/L Area Ratio: 0.196 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 81.6 µg/L Area Ratio: 0.182 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 72.7 µg/L Area Ratio: 0.177 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 85.0 µg/L Area Ratio: 0.101 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 77.6 µg/L Area Ratio: 0.0517 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.32 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.31 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

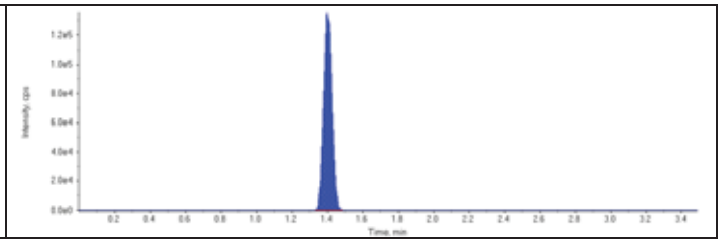
Sample ID	4988945~EJI430-01:50x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	35
Acquisition Date	2017/05/23 5:07:05 PM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for PFHxS and PFOS oly		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	455000.	1.40	1.00	-
MPFHxS	121000.	1.66	1.00	-
MPFHpA	461000.	1.66	1.00	-
MPFOA	379000.	1.85	1.00	-
MPFOS	169000.	1.96	1.00	-
MPFNA	444000.	1.99	1.00	-
MPFDA	412000.	2.11	1.00	-
MPFUnA	316000.	2.21	1.00	-
MPFDoA	285000.	2.30	1.00	-
MPFTeDA	269000.	2.44	1.00	-
M2 6:2 FTS	153000.	1.81	1.00	-
M2 8:2 FTS	112000.	2.09	1.00	-
13C6-PFHxA IS	1500000.	1.39	0.833	-
13C9-PFDA IS	1570000.	2.10	0.833	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	62700	1.09	N/A	0.820	N/A
PFBS 2	35400	1.10	N/A	0.805	N/A
PFHxA 1	373000	1.40	N/A	2.45	N/A
PFHxA 2	20900	1.40	N/A	2.27	N/A
PFHxS 1	1220000	1.66	N/A	14.0	N/A
PFHxS 2	370000	1.66	N/A	14.4	N/A
PFHpA 1	238000	1.66	N/A	1.67	N/A
PFHpA 2	4100	1.66	N/A	1.28	N/A
PFOA 1	342000	1.85	N/A	2.61	N/A
PFOA 2	143000	1.85	N/A	2.72	N/A
PFOS 1	1420000	1.95	N/A	21.7	N/A
PFOS 2	390000	1.96	N/A	19.2	N/A
PFNA 1	46500	1.99	N/A	0.433	N/A
PFNA 2	9300	1.99	N/A	0.340	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	650	2.11	N/A	0.135	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	459	2.21	N/A	0.182	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	553	2.35	N/A	0.0824	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	44200	1.81	N/A	1.57	N/A
6:2-FTS 2	35200	1.81	N/A	1.67	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	1400	2.08	N/A	0.327	N/A
13C2-PFHxA	455000	1.40	N/A	94.1	N/A
18O2-PFHxS	121000	1.66	N/A	93.0	N/A
13C4-PFHpA	461000	1.66	N/A	92.6	N/A
13C4-PFOA	379000	1.85	N/A	91.4	N/A
13C4-PFOS	169000	1.96	N/A	88.5	N/A
13C5-PFNA	444000	1.99	N/A	101.	N/A
13C2-PFDA	412000	2.11	N/A	84.7	N/A
13C2-PFUnA	316000	2.21	N/A	87.5	N/A
13C2-PFDoA	285000	2.30	N/A	81.5	N/A
13C2-PFTeDA	269000	2.44	N/A	70.4	N/A
13C2-6:2-FTS	153000	1.81	N/A	85.4	N/A
13C2-8:2 FTS	112000	2.09	N/A	111.	N/A
13C6-PFHxA	1500000	1.39	N/A	141.	N/A
13C9-PFDA	1570000	2.10	N/A	157.	N/A

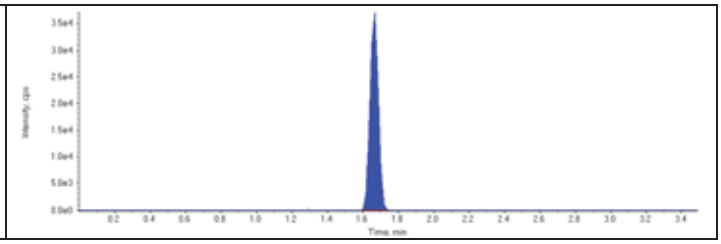
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



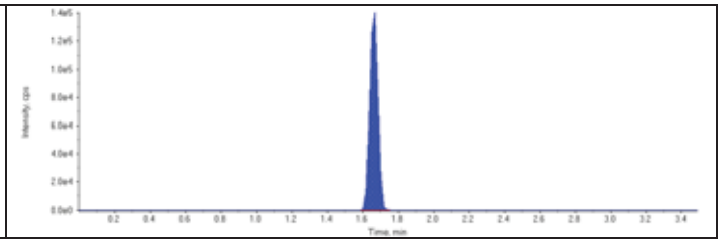
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



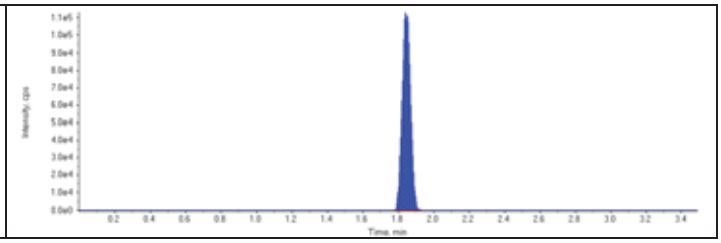
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



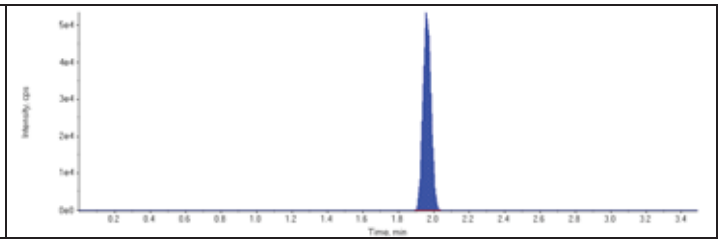
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



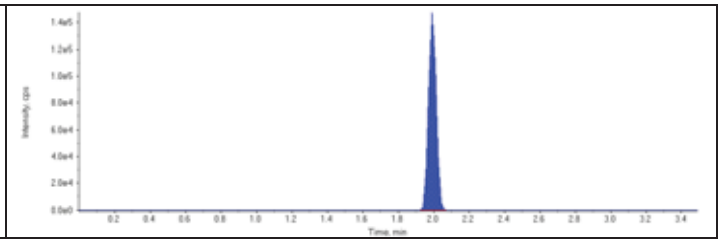
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



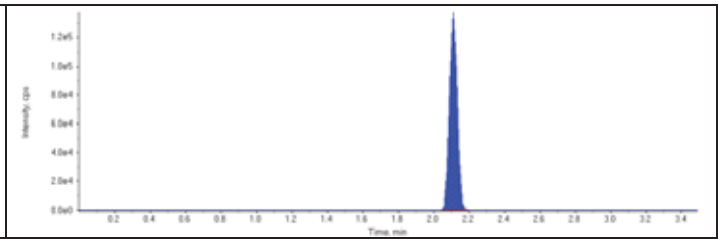
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



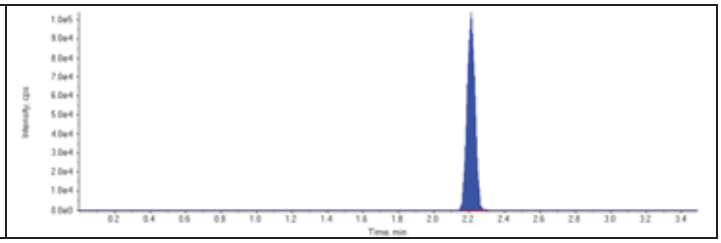
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



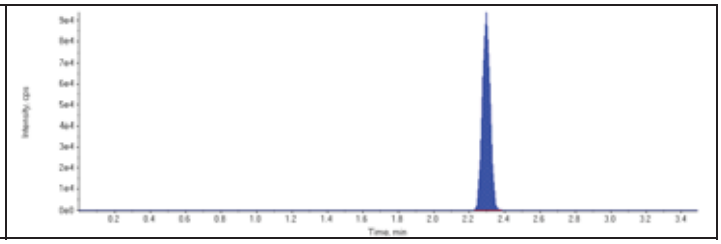
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



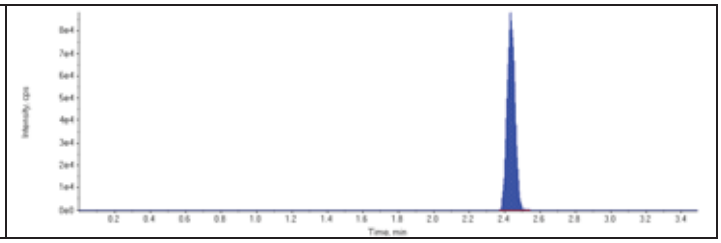
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



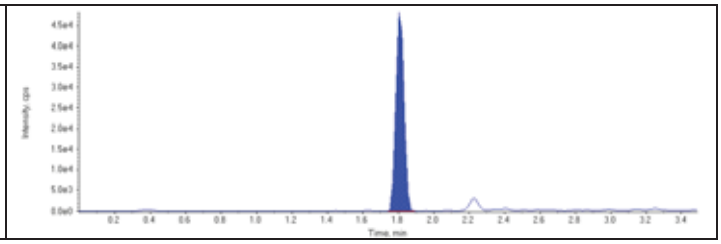
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



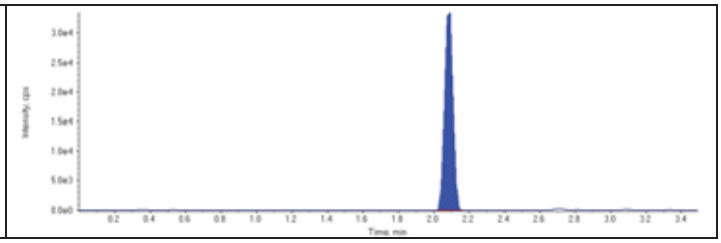
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



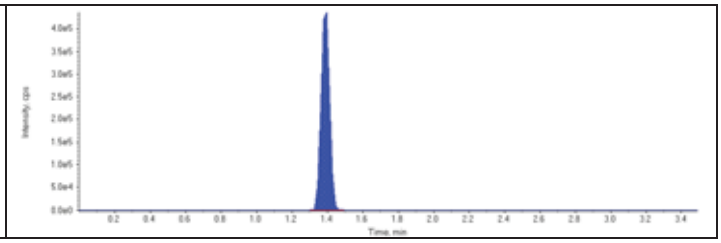
M2 8:2 FTS (Internal Standard)

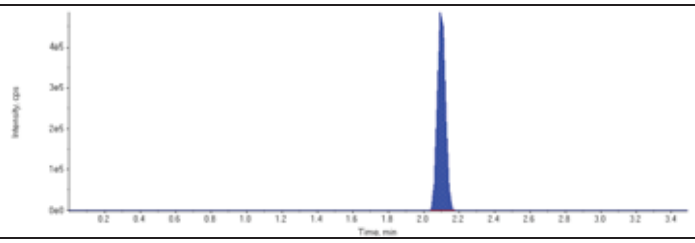
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

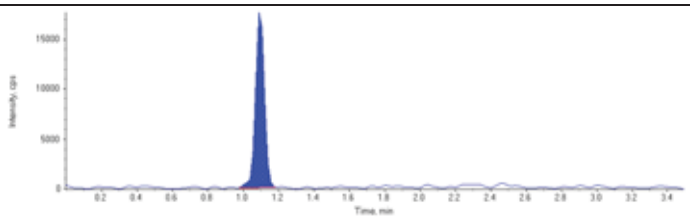
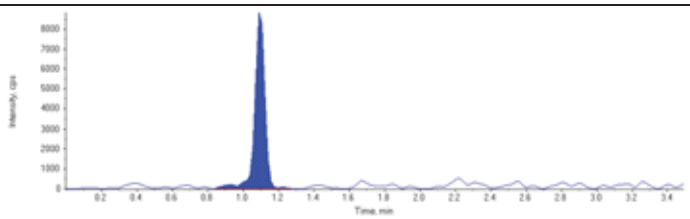
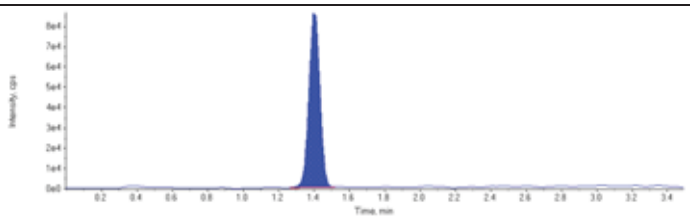
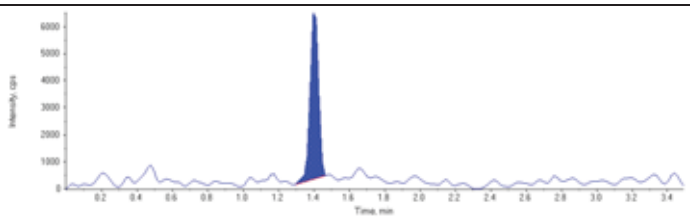
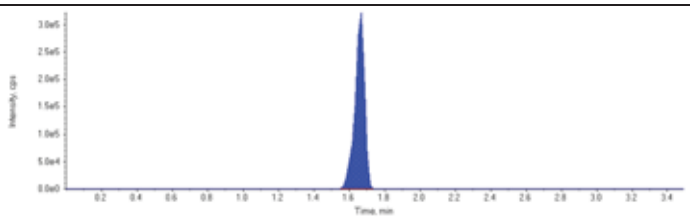
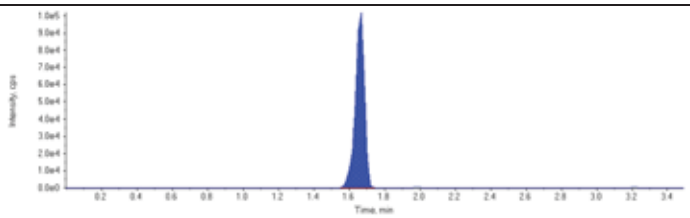


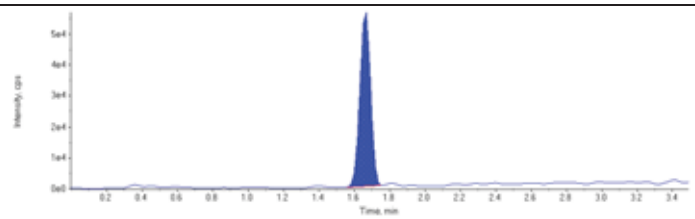
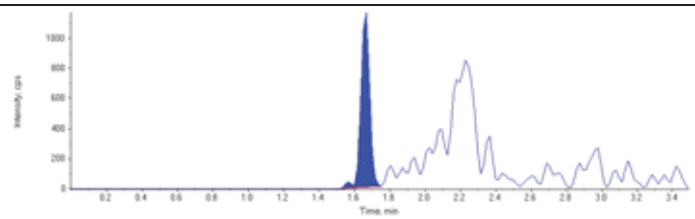
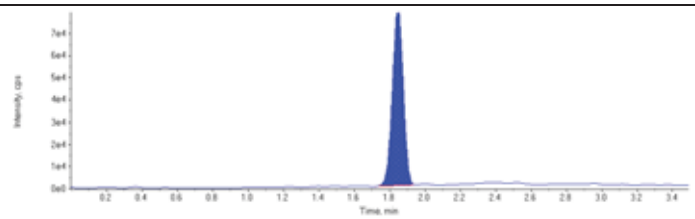
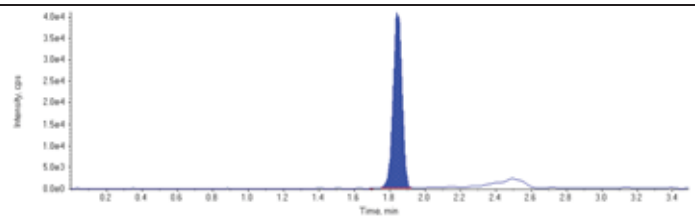
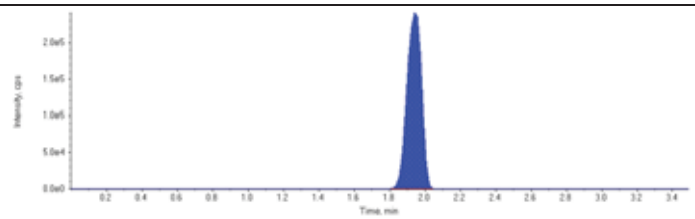
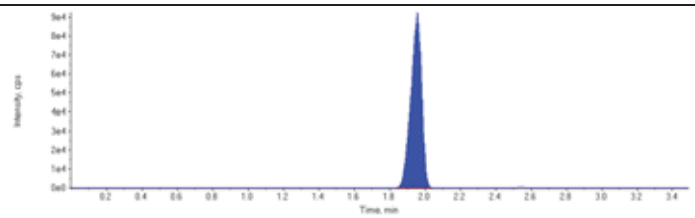
13C6-PFHxA IS (Internal Standard)

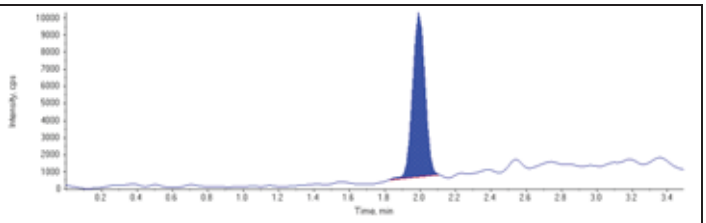
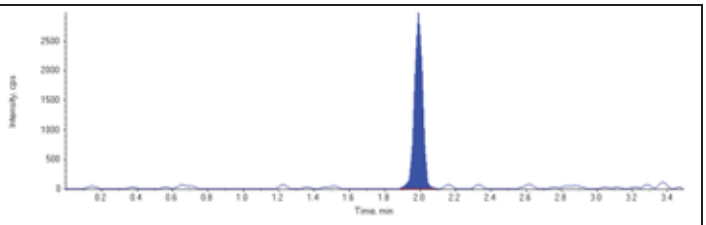
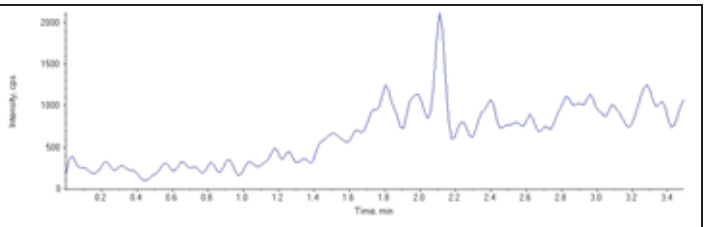
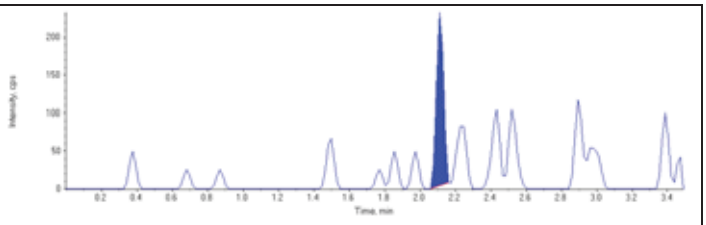
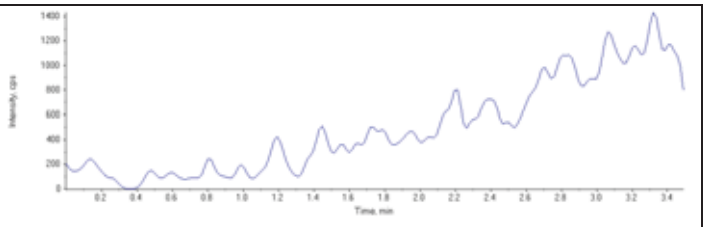
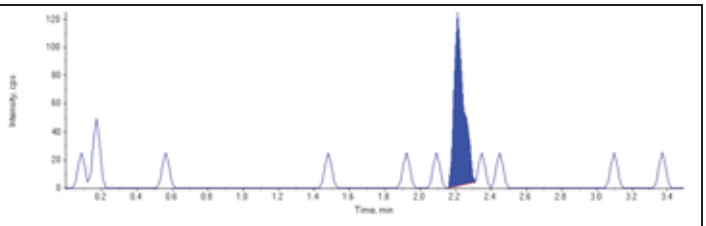
RT (Exp. RT): 1.39(1.40) min
Concentration: 0.833 ug/L
Sample Type: (Unknown)

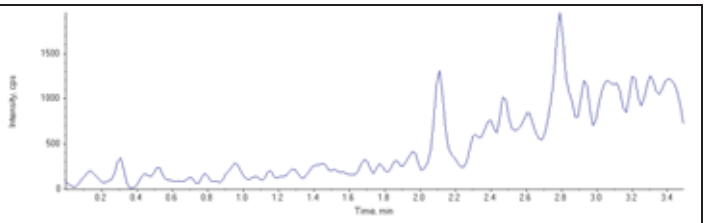
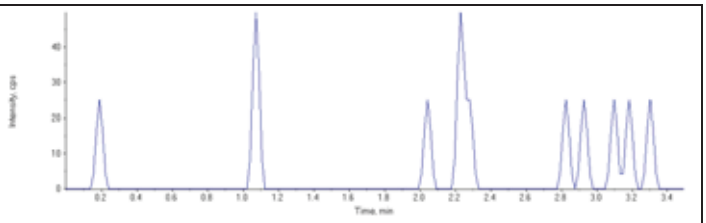
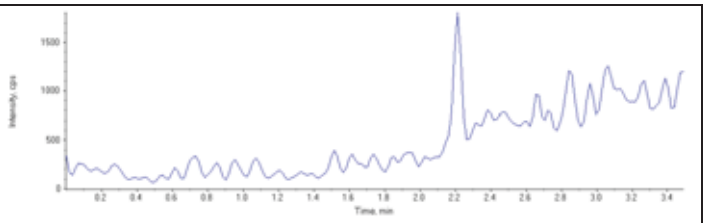
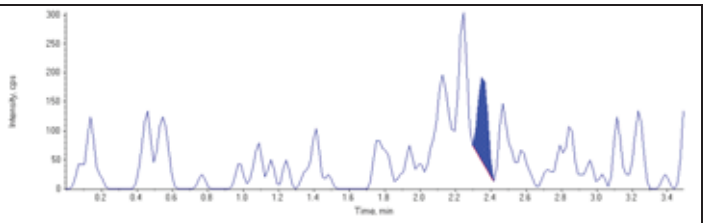
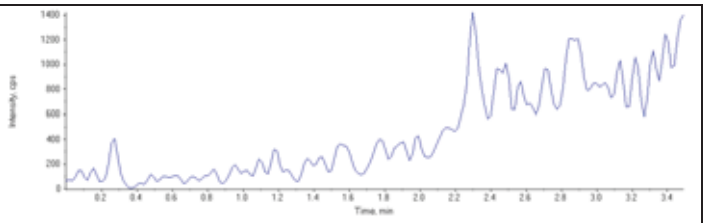
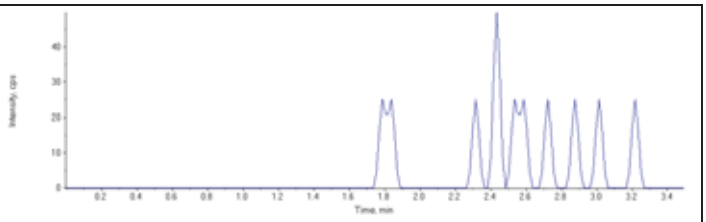


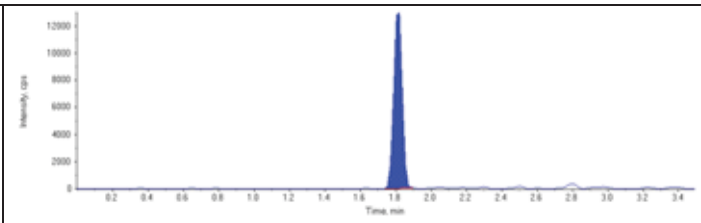
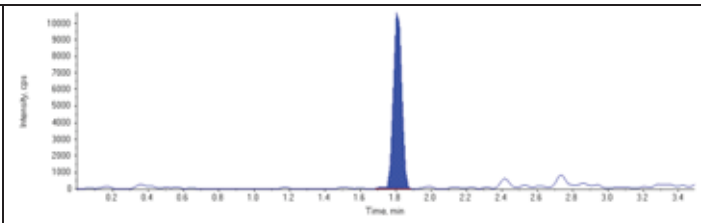
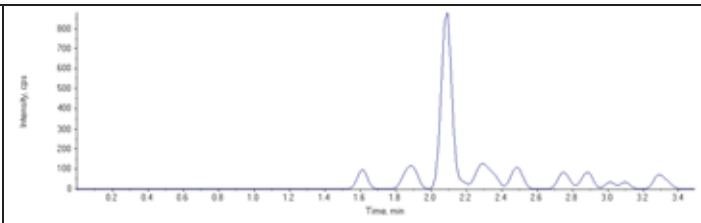
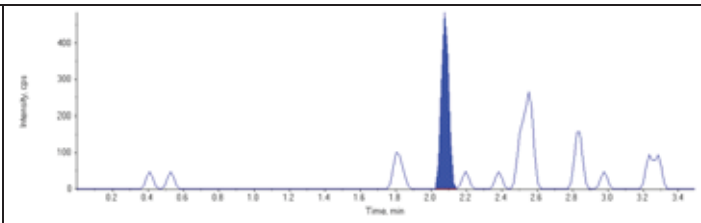
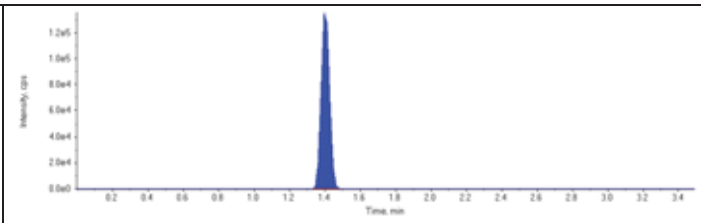
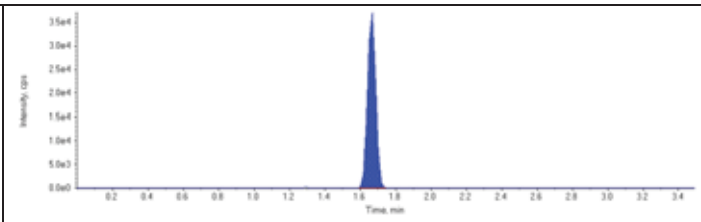
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 0.833 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

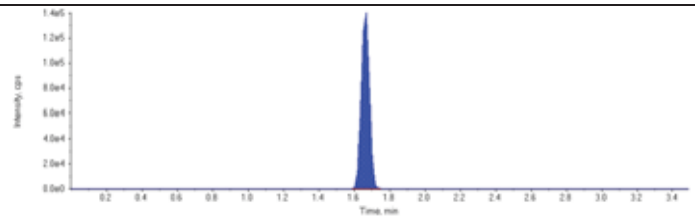
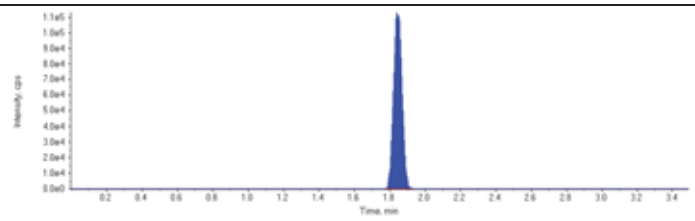
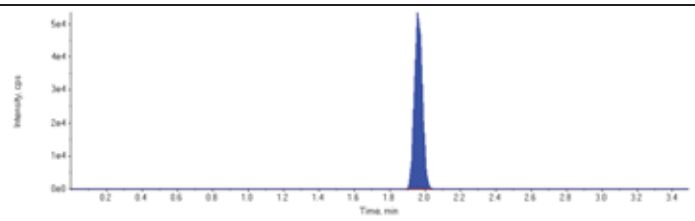
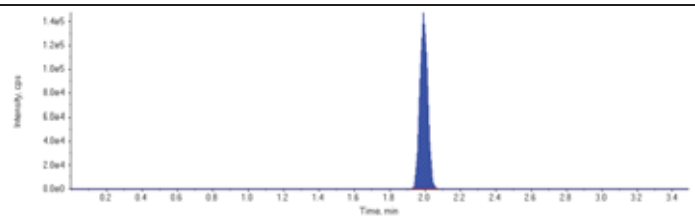
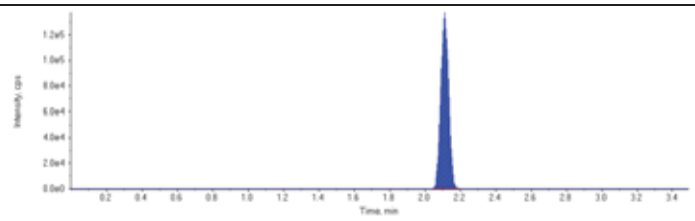
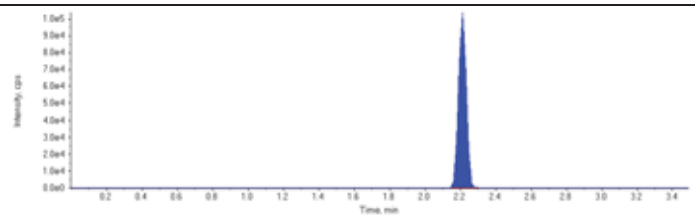
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.820 µg/L Area Ratio: 0.519 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 0.805 µg/L Area Ratio: 0.293 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 2.45 µg/L Area Ratio: 0.819 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 2.27 µg/L Area Ratio: 0.0459 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 14.0 µg/L Area Ratio: 10.1 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 14.4 µg/L Area Ratio: 3.06 Sample Type: (Unknown)	

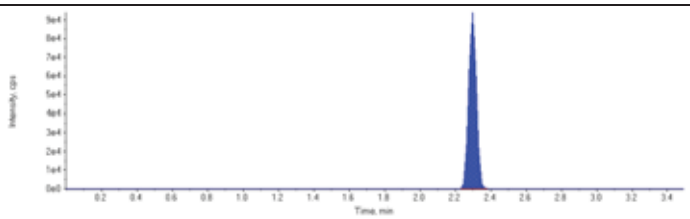
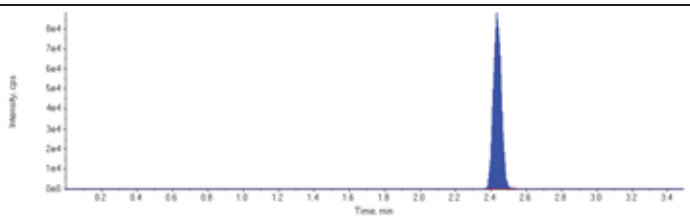
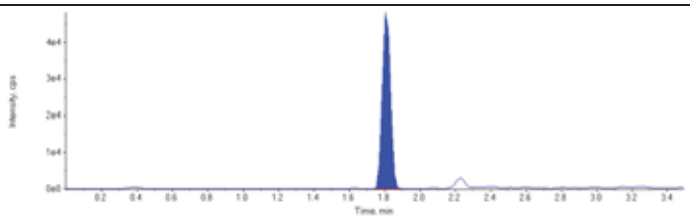
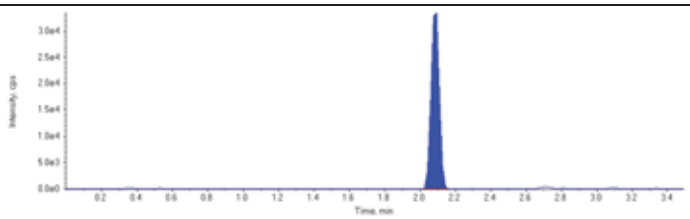
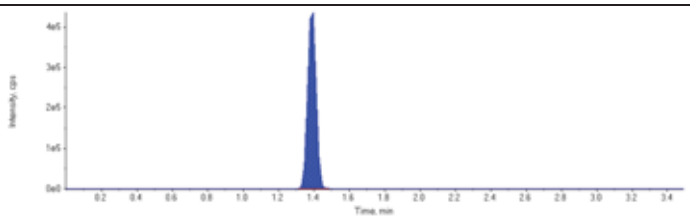
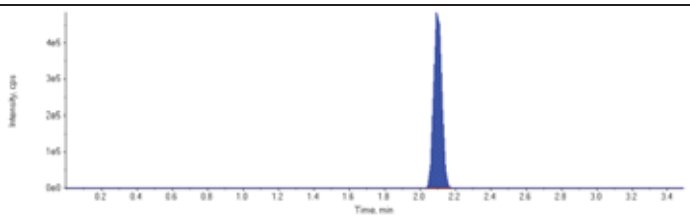
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.67 µg/L Area Ratio: 0.517 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.28 µg/L Area Ratio: 0.00890 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 2.61 µg/L Area Ratio: 0.903 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 2.72 µg/L Area Ratio: 0.378 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.95 (1.96) min Calculated Conc: 21.7 µg/L Area Ratio: 8.39 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 19.2 µg/L Area Ratio: 2.31 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.433 µg/L Area Ratio: 0.105 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.340 µg/L Area Ratio: 0.0209 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.135 µg/L Area Ratio: 0.00158 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 0.182 µg/L Area Ratio: 0.00145 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.35 (2.37) min Calculated Conc: 0.0824 µg/L Area Ratio: 0.00205 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 1.57 µg/L Area Ratio: 0.289 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 1.67 µg/L Area Ratio: 0.230 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.08 (2.09) min Calculated Conc: 0.327 µg/L Area Ratio: 0.0126 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 94.1 µg/L Area Ratio: 0.303 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 93.0 µg/L Area Ratio: 0.0803 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 92.6 µg/L Area Ratio: 0.306 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 91.4 µg/L Area Ratio: 0.252 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 88.5 µg/L Area Ratio: 0.112 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 101. µg/L Area Ratio: 0.296 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 84.7 µg/L Area Ratio: 0.263 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 87.5 µg/L Area Ratio: 0.202 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 81.5 µg/L Area Ratio: 0.182 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 70.4 µg/L Area Ratio: 0.172 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 85.4 µg/L Area Ratio: 0.102 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 111. µg/L Area Ratio: 0.0743 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 141. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 157. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

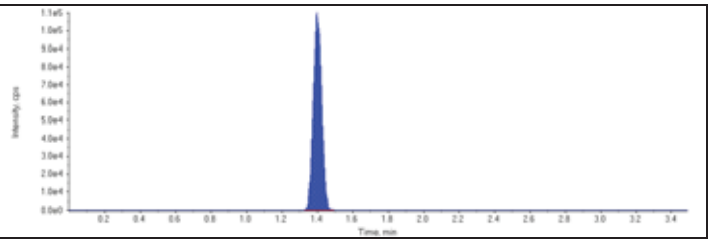
Sample ID	4988945~EJI430-01:10x	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	36
Acquisition Date	2017/05/23 5:12:09 PM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	Reported for all, except PFHxS and PFOS		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	363000.	1.40	1.00	-
MPFHxS	104000.	1.66	1.00	-
MPFHpA	371000.	1.66	1.00	-
MPFOA	309000.	1.85	1.00	-
MPFOS	136000.	1.96	1.00	-
MPFNA	353000.	1.99	1.00	-
MPFDA	300000.	2.11	1.00	-
MPFUnA	225000.	2.21	1.00	-
MPFDoA	221000.	2.30	1.00	-
MPFTeDA	208000.	2.44	1.00	-
M2 6:2 FTS	132000.	1.81	1.00	-
M2 8:2 FTS	61300.	2.09	1.00	-
13C6-PFHxA IS	1230000.	1.38	4.17	-
13C9-PFDA IS	1210000.	2.10	4.17	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	266000	1.10	N/A	0.581	N/A
PFBS 2	136000	1.09	N/A	0.582	N/A
PFHxA 1	1620000	1.40	N/A	2.49	N/A
PFHxA 2	92400	1.40	N/A	2.42	N/A
PFHxS 1	5530000	1.66	N/A	14.7	N/A
PFHxS 2	1640000	1.66	N/A	14.7	N/A
PFHpA 1	1010000	1.66	N/A	1.68	N/A
PFHpA 2	16800	1.66	N/A	1.49	N/A
PFOA 1	1450000	1.85	N/A	2.53	N/A
PFOA 2	579000	1.84	N/A	2.48	N/A
PFOS 1	5920000	1.94	N/A	22.4	N/A
PFOS 2	1570000	1.96	N/A	19.1	N/A
PFNA 1	170000	1.99	N/A	0.337	N/A
PFNA 2	48700	1.99	N/A	0.363	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1060	2.07	N/A	0.0329	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	0	0.00	N/A	N/A	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	204000	1.81	N/A	1.45	N/A
6:2-FTS 2	141000	1.81	N/A	1.45	N/A
8:2-FTS 1	5580	2.09	N/A	0.0893	N/A
8:2-FTS 2	2040	2.09	N/A	0.0924	N/A
13C2-PFHxA	363000	1.40	N/A	91.6	N/A
18O2-PFHxS	104000	1.66	N/A	97.6	N/A
13C4-PFHpA	371000	1.66	N/A	90.9	N/A
13C4-PFOA	309000	1.85	N/A	91.0	N/A
13C4-PFOS	136000	1.96	N/A	86.6	N/A
13C5-PFNA	353000	1.99	N/A	97.8	N/A
13C2-PFDA	300000	2.11	N/A	80.0	N/A
13C2-PFUnA	225000	2.21	N/A	80.9	N/A
13C2-PFDoA	221000	2.30	N/A	82.4	N/A
13C2-PFTeDA	208000	2.44	N/A	70.6	N/A
13C2-6:2-FTS	132000	1.81	N/A	89.5	N/A
13C2-8:2 FTS	61300	2.09	N/A	74.7	N/A
13C6-PFHxA	1230000	1.38	N/A	23.1	N/A
13C9-PFDA	1210000	2.10	N/A	24.2	N/A

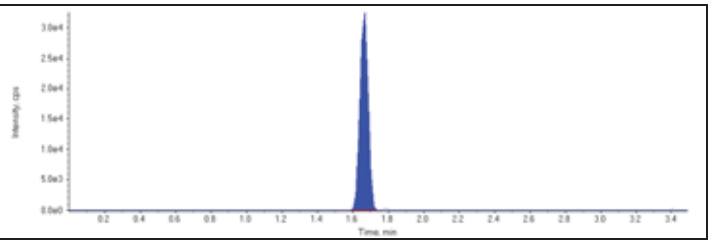
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



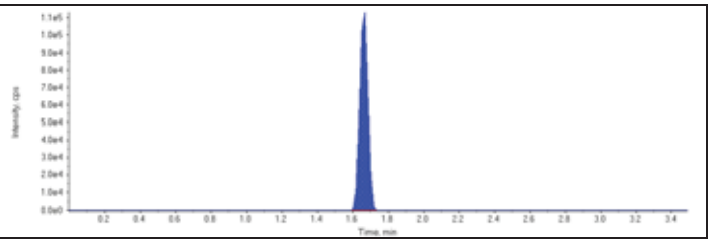
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



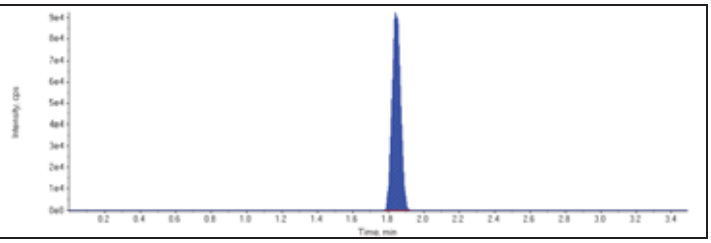
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



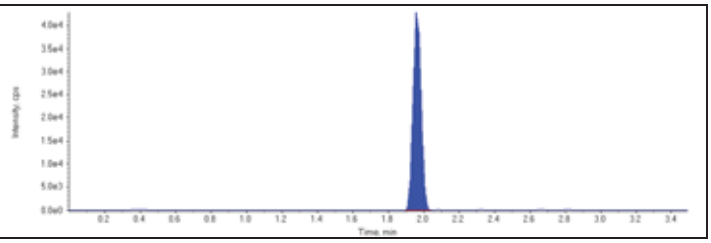
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



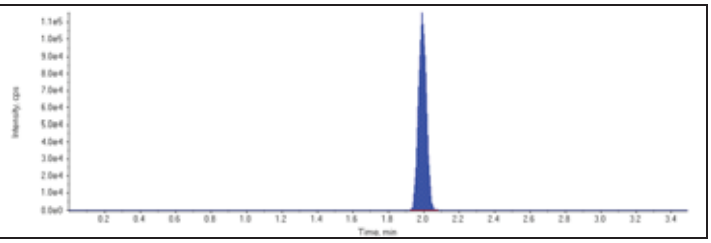
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



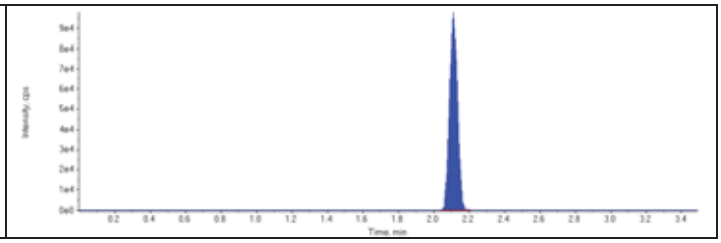
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



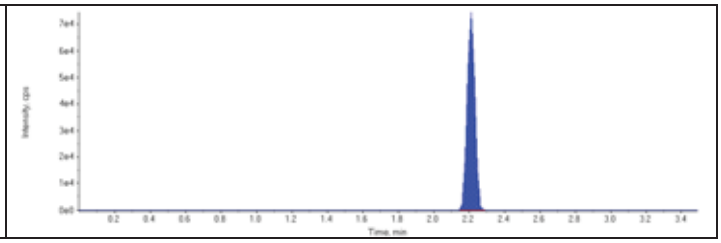
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



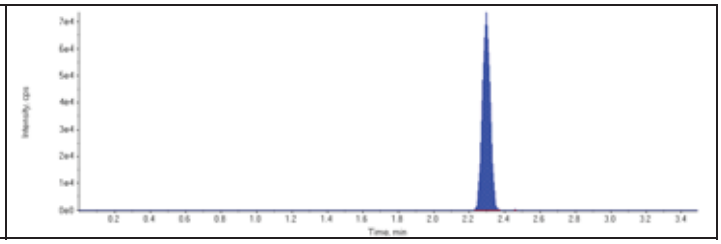
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



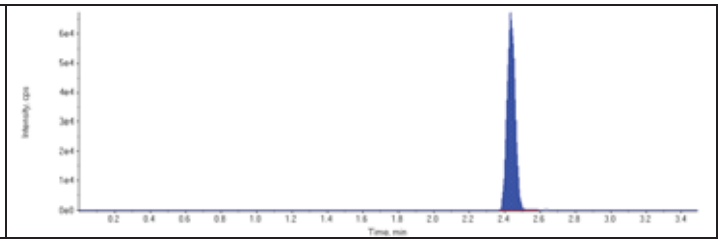
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



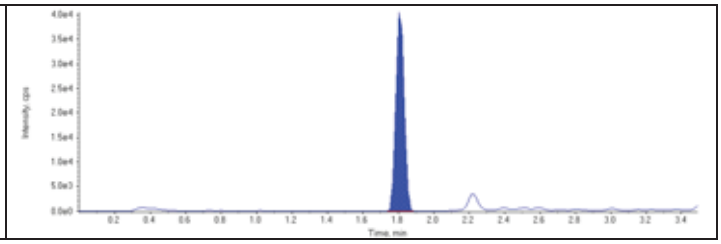
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



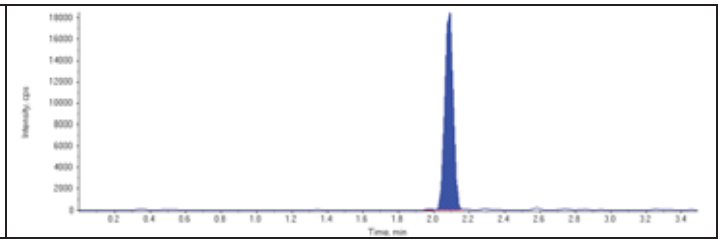
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



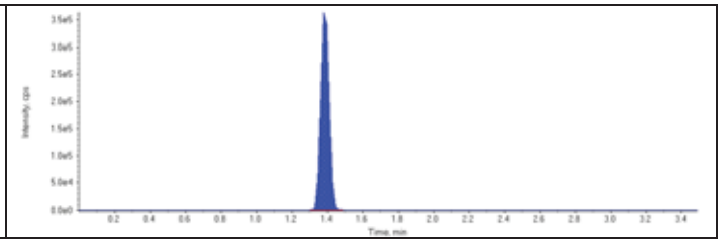
M2 8:2 FTS (Internal Standard)

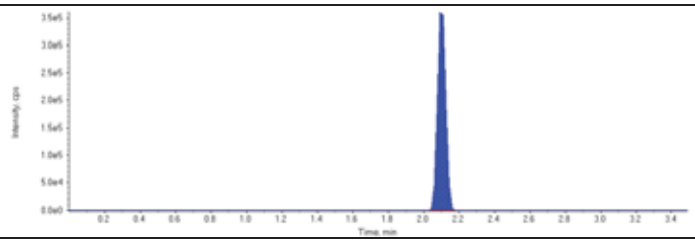
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

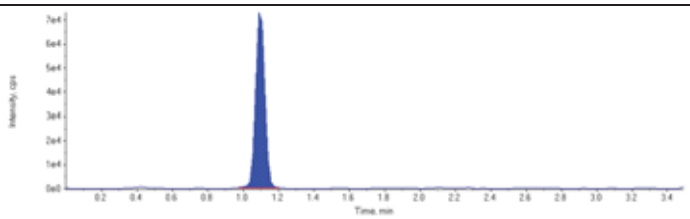
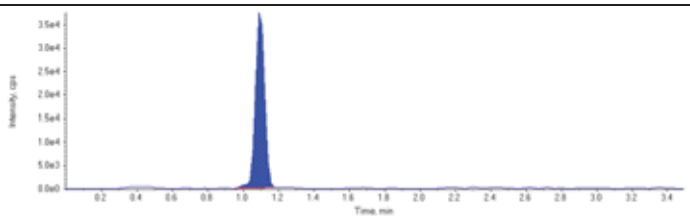
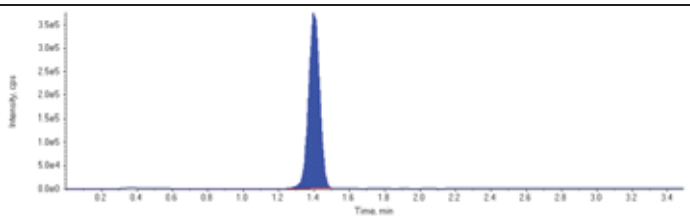
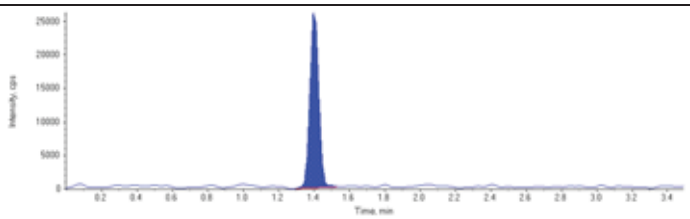
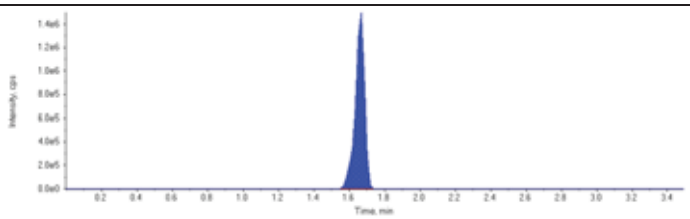
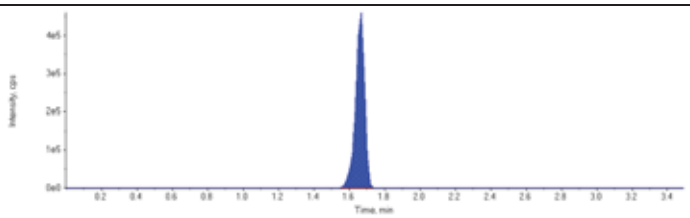


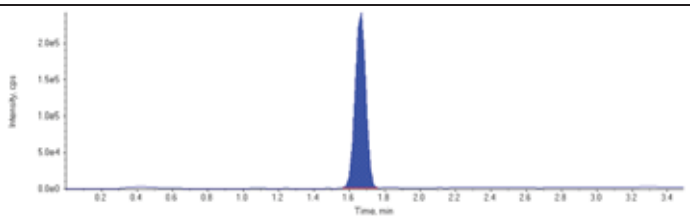
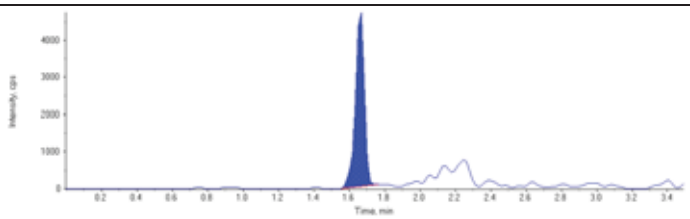
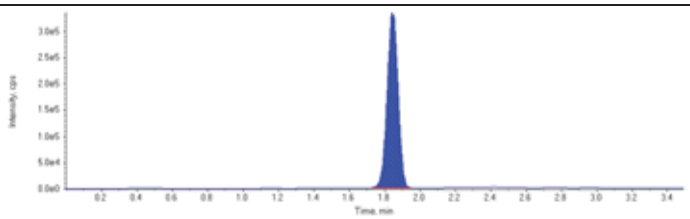
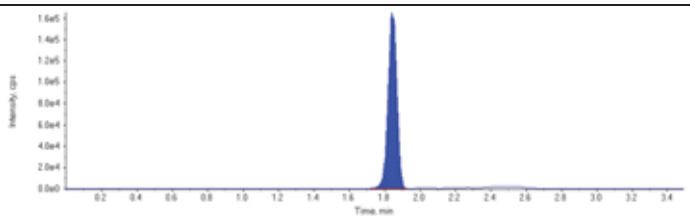
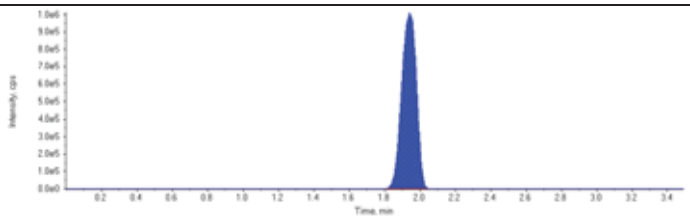
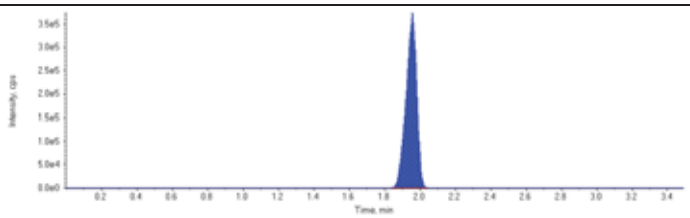
13C6-PFHxA IS (Internal Standard)

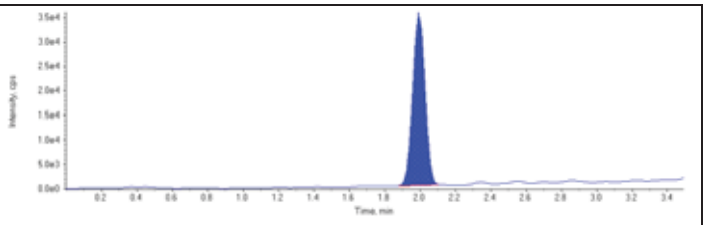
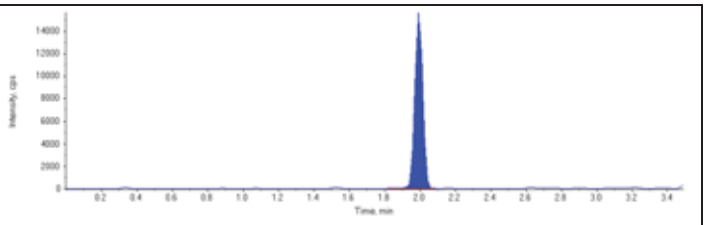
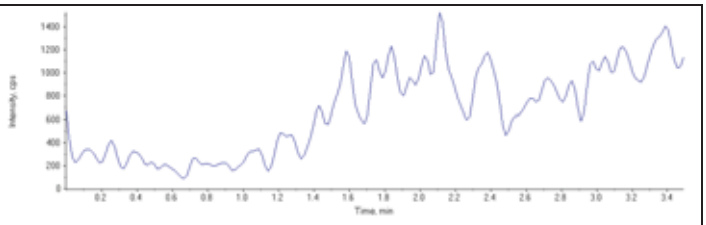
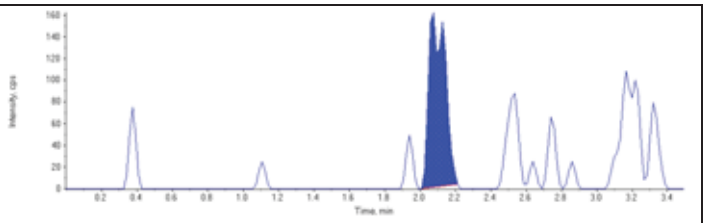
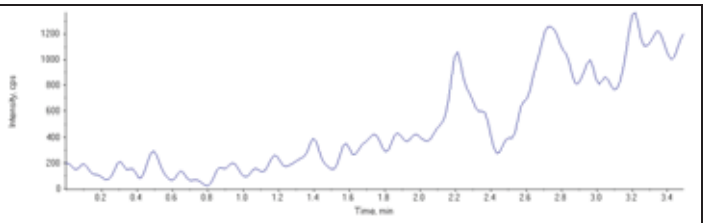
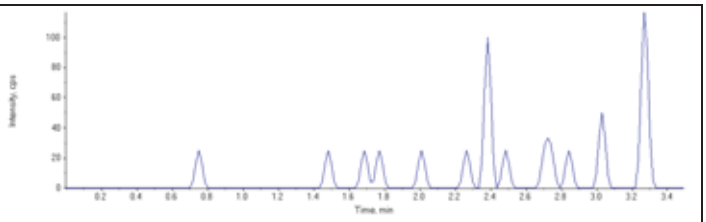
RT (Exp. RT): 1.38(1.40) min
Concentration: 4.17 ug/L
Sample Type: (Unknown)

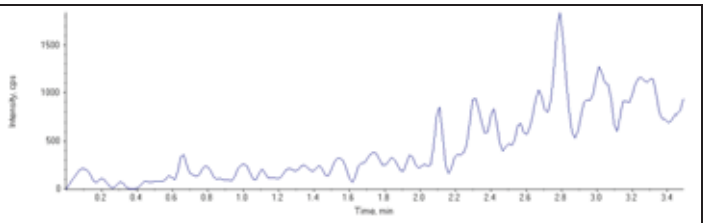
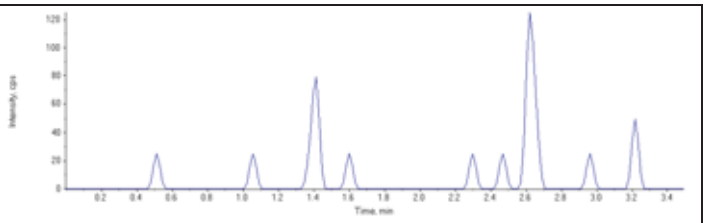
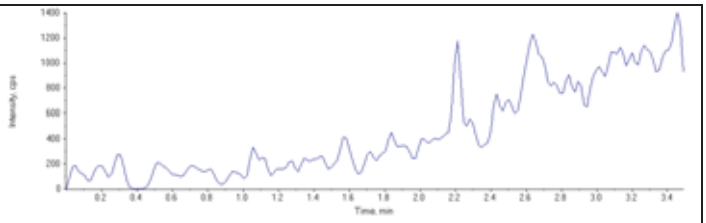
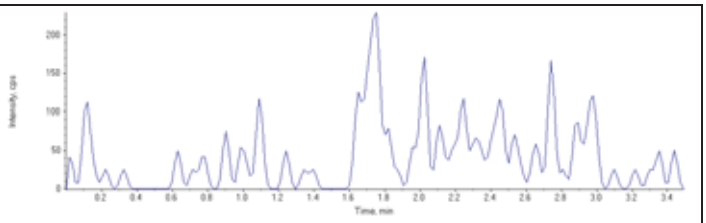
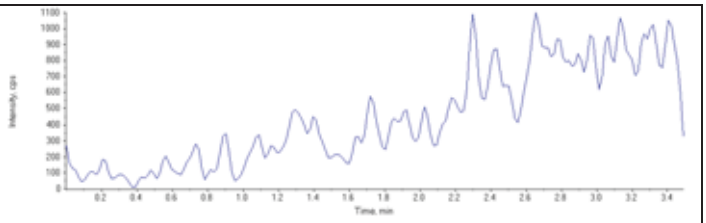
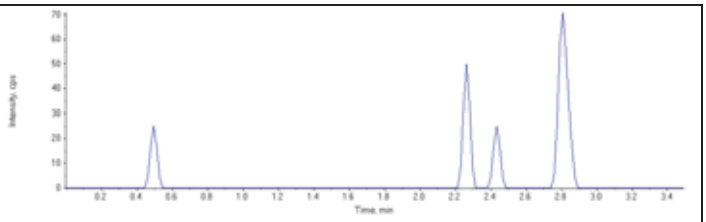


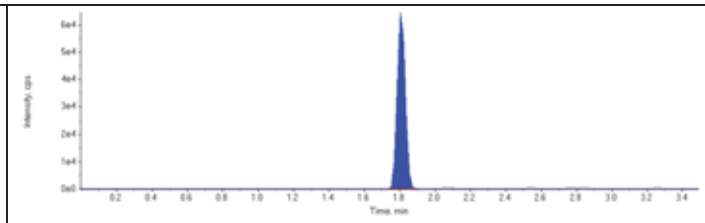
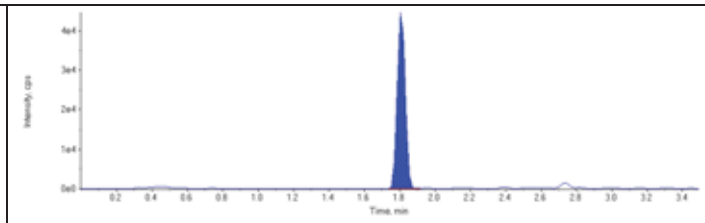
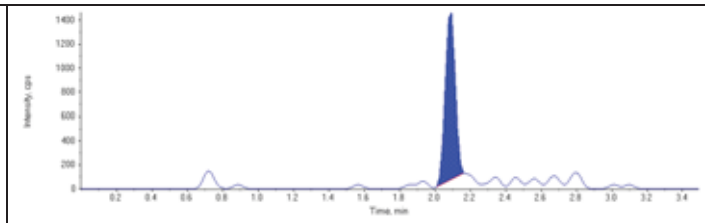
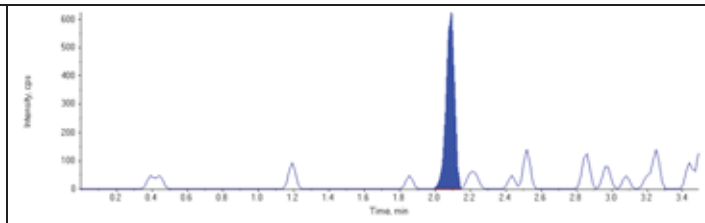
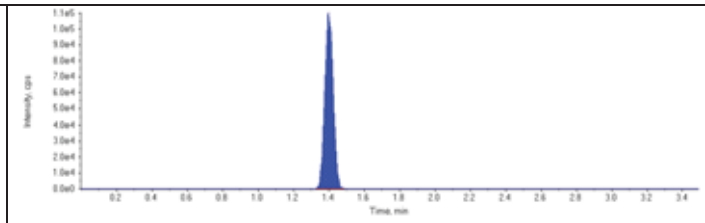
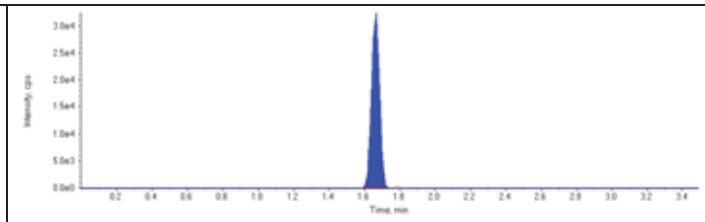
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 4.17 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

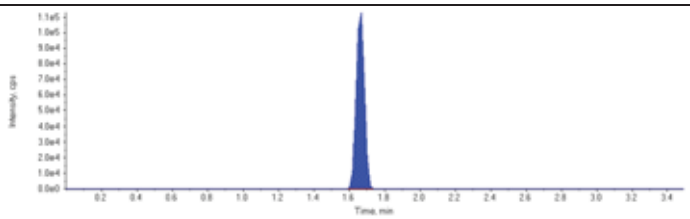
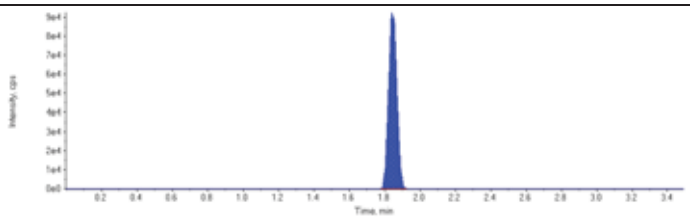
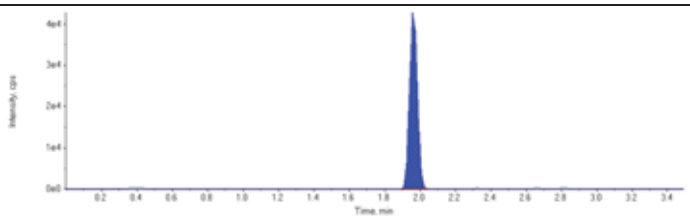
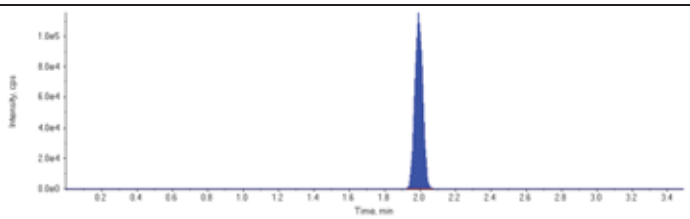
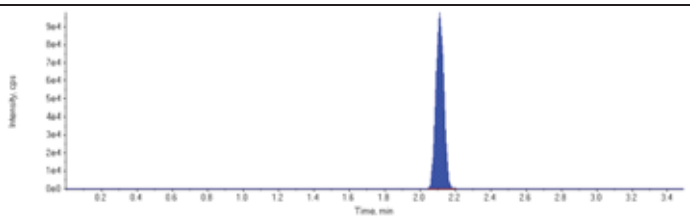
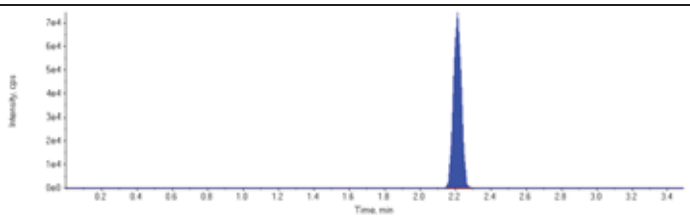
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 1.10 (1.09) min Calculated Conc: 0.581 µg/L Area Ratio: 2.56 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.09 (1.09) min Calculated Conc: 0.582 µg/L Area Ratio: 1.31 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 2.49 µg/L Area Ratio: 4.47 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.40 (1.41) min Calculated Conc: 2.42 µg/L Area Ratio: 0.254 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 14.7 µg/L Area Ratio: 53.3 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 14.7 µg/L Area Ratio: 15.8 Sample Type: (Unknown)	

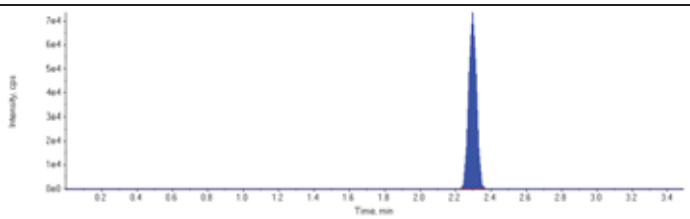
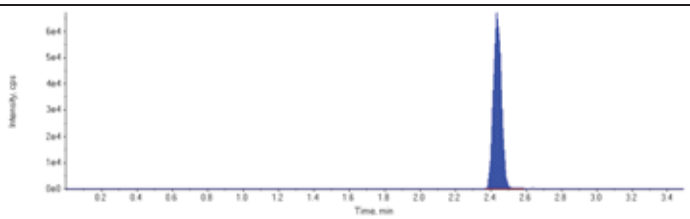
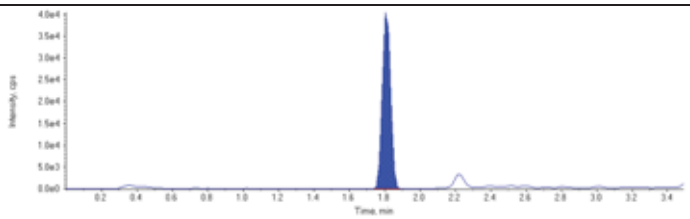
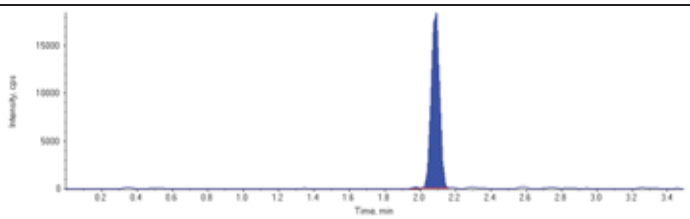
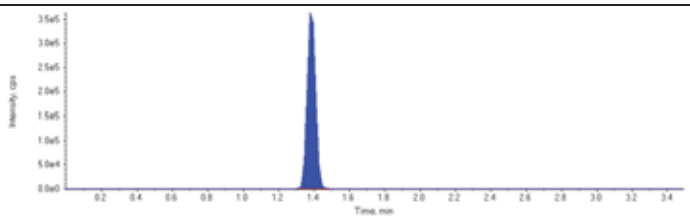
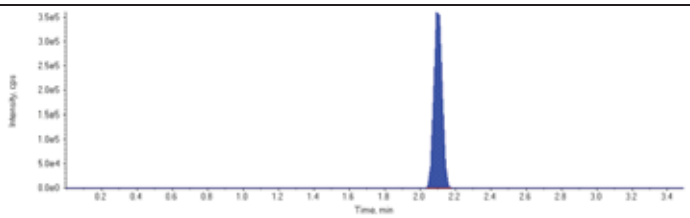
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.68 µg/L Area Ratio: 2.72 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 1.49 µg/L Area Ratio: 0.0454 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.85 (1.85) min Calculated Conc: 2.53 µg/L Area Ratio: 4.71 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 2.48 µg/L Area Ratio: 1.88 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.94 (1.96) min Calculated Conc: 22.4 µg/L Area Ratio: 43.7 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.96 (1.96) min Calculated Conc: 19.1 µg/L Area Ratio: 11.5 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.337 µg/L Area Ratio: 0.480 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 0.363 µg/L Area Ratio: 0.138 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.07 (2.11) min Calculated Conc: 0.0329 µg/L Area Ratio: 0.00355 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 0.00 (2.37) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 1.81 (1.90) min Calculated Conc: 1.45 µg/L Area Ratio: 1.55 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 1.45 µg/L Area Ratio: 1.07 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 0.0893 µg/L Area Ratio: 0.0910 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 0.0924 µg/L Area Ratio: 0.0333 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 91.6 µg/L Area Ratio: 0.294 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 97.6 µg/L Area Ratio: 0.0842 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 90.9 µg/L Area Ratio: 0.301 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 91.0 µg/L Area Ratio: 0.250 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 86.6 µg/L Area Ratio: 0.110 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 97.8 µg/L Area Ratio: 0.287 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 80.0 µg/L Area Ratio: 0.248 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 80.9 µg/L Area Ratio: 0.186 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 82.4 µg/L Area Ratio: 0.183 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 70.6 µg/L Area Ratio: 0.172 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 89.5 µg/L Area Ratio: 0.107 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 74.7 µg/L Area Ratio: 0.0497 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.38 (1.40) min Calculated Conc: 23.1 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 24.2 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

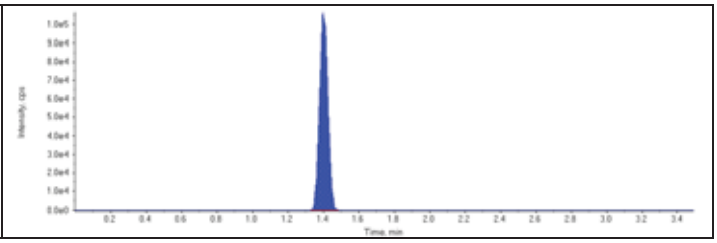
Sample ID	4988945~EJI432-01	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	37
Acquisition Date	2017/05/23 5:22:18 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	356000.	1.40	1.00	-
MPFHxS	106000.	1.66	1.00	-
MPFHpA	379000.	1.66	1.00	-
MPFOA	315000.	1.85	1.00	-
MPFOS	138000.	1.96	1.00	-
MPFNA	378000.	1.99	1.00	-
MPFDA	319000.	2.11	1.00	-
MPFUnA	222000.	2.21	1.00	-
MPFDoA	210000.	2.30	1.00	-
MPFTeDA	207000.	2.44	1.00	-
M2 6:2 FTS	141000.	1.81	1.00	-
M2 8:2 FTS	86700.	2.09	1.00	-
13C6-PFHxA IS	1190000.	1.39	41.7	-
13C9-PFDA IS	1310000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	0	0.00	N/A	N/A	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	347	1.42	N/A	0.00291	N/A
PFHxS 1	0	0.00	N/A	N/A	N/A
PFHxS 2	0	0.00	N/A	N/A	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	439	1.73	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1970	1.84	N/A	0.00623	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	477	2.22	N/A	0.00399	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	341	2.28	N/A	0.00461	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	328	2.37	N/A	0.00140	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	638	1.79	N/A	0.00343	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C2-PFHxA	356000	1.40	N/A	93.2	N/A
18O2-PFHxS	106000	1.66	N/A	103.	N/A
13C4-PFHpA	379000	1.66	N/A	96.5	N/A
13C4-PFOA	315000	1.85	N/A	96.3	N/A
13C4-PFOS	138000	1.96	N/A	91.6	N/A
13C5-PFNA	378000	1.99	N/A	108.	N/A
13C2-PFDA	319000	2.11	N/A	78.7	N/A
13C2-PFUnA	222000	2.21	N/A	74.0	N/A
13C2-PFDoA	210000	2.30	N/A	72.2	N/A
13C2-PFTeDA	207000	2.44	N/A	65.0	N/A
13C2-6:2-FTS	141000	1.81	N/A	99.1	N/A
13C2-8:2 FTS	86700	2.09	N/A	110.	N/A
13C6-PFHxA	1190000	1.39	N/A	2.23	N/A
13C9-PFDA	1310000	2.10	N/A	2.62	N/A

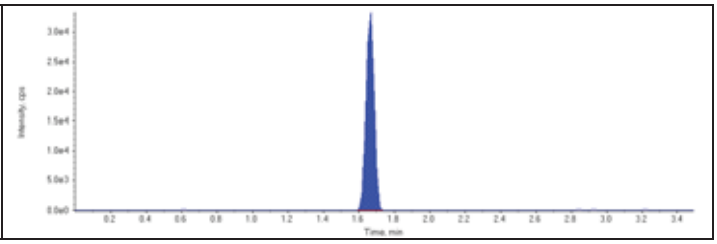
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



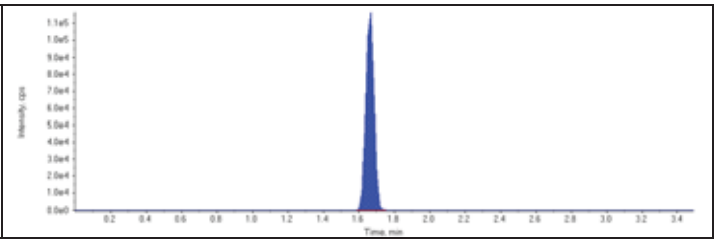
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



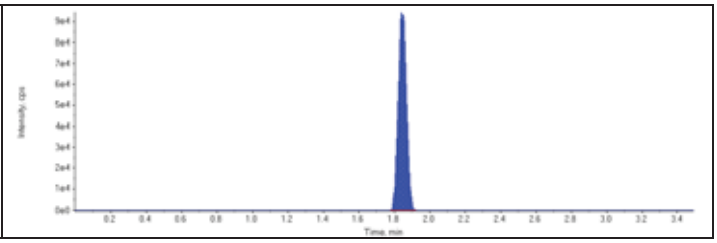
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



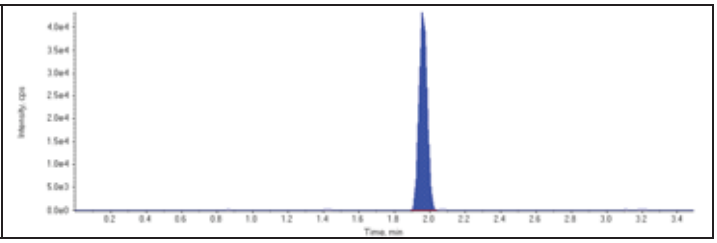
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



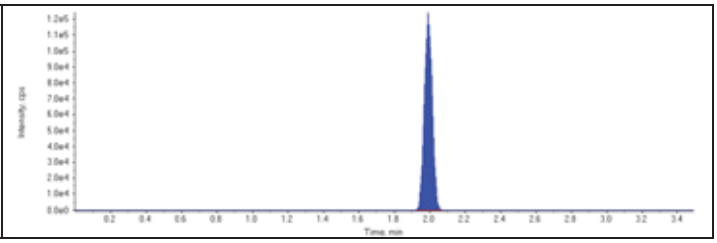
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



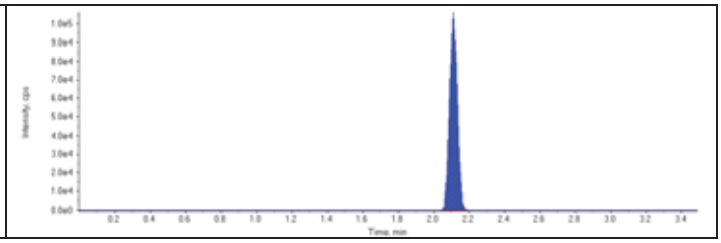
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



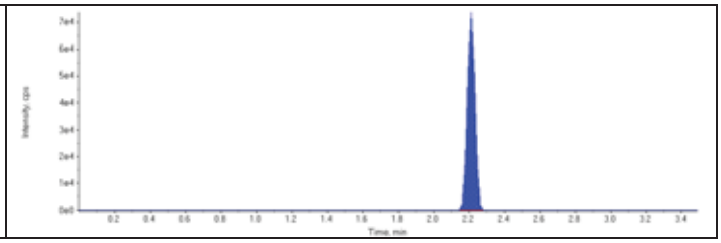
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



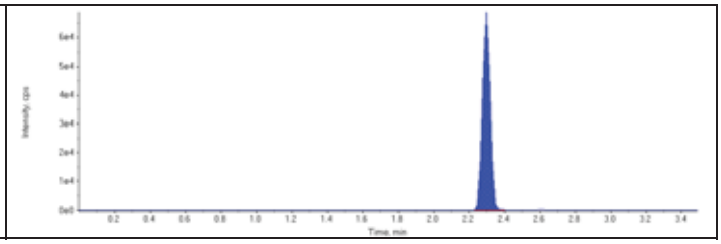
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



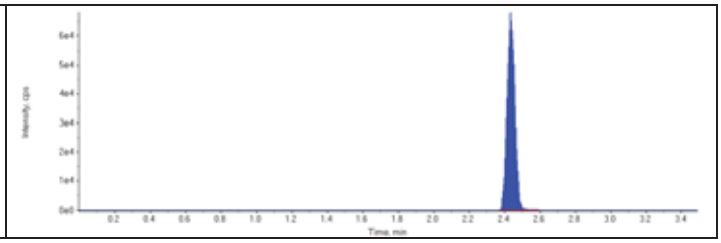
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



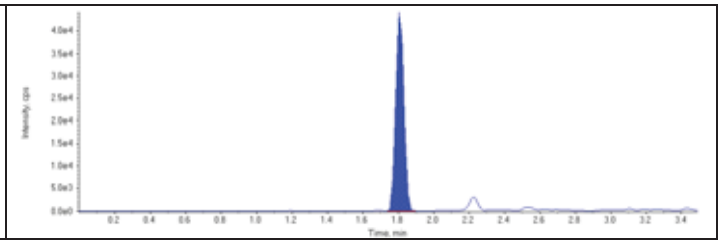
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



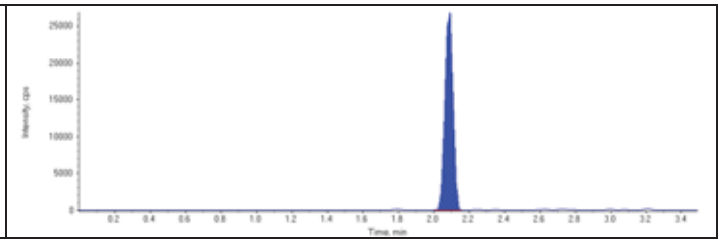
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



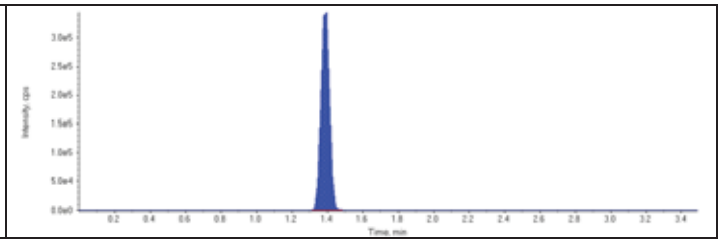
M2 8:2 FTS (Internal Standard)

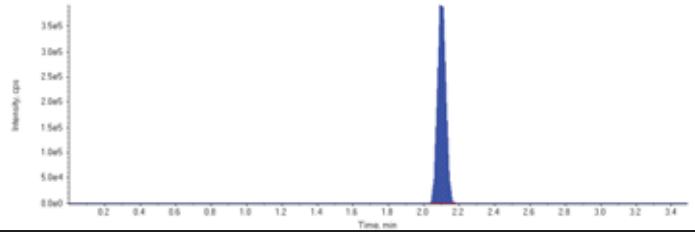
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

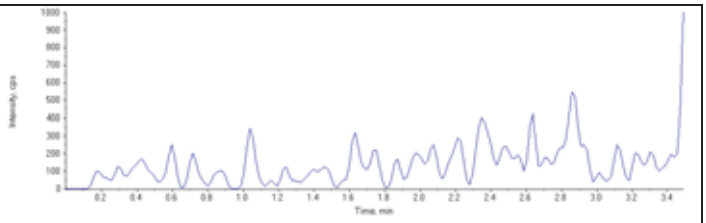
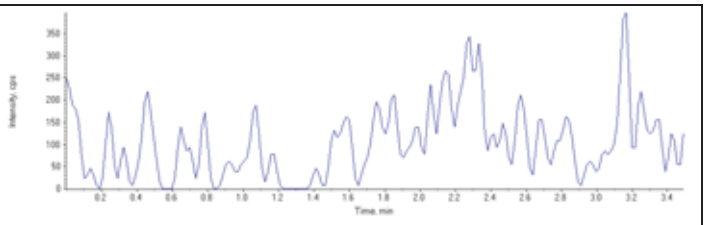
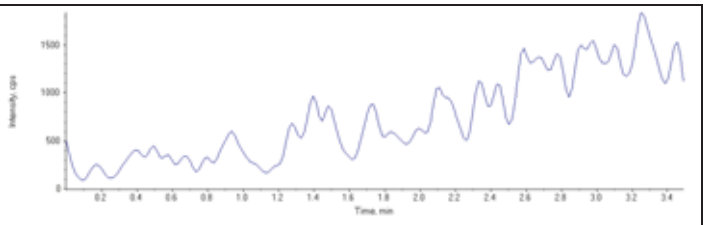
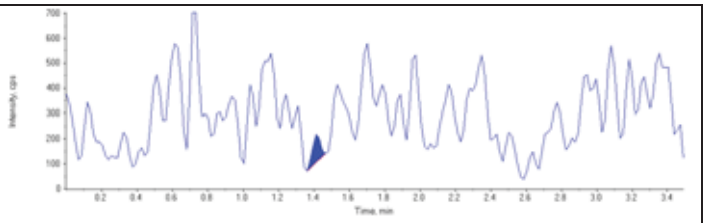
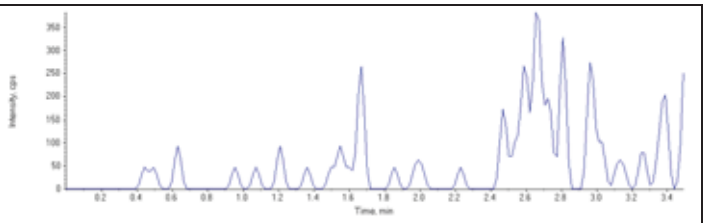
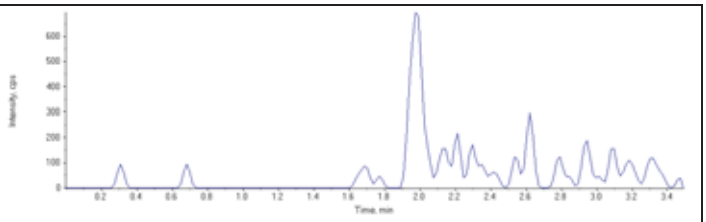


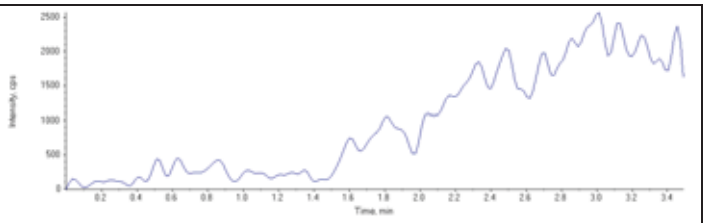
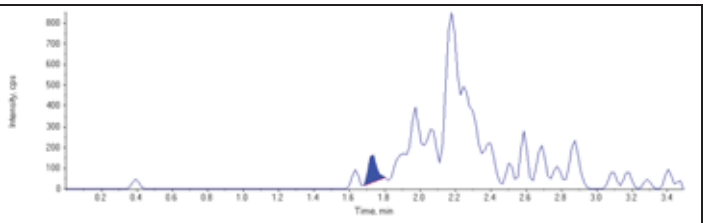
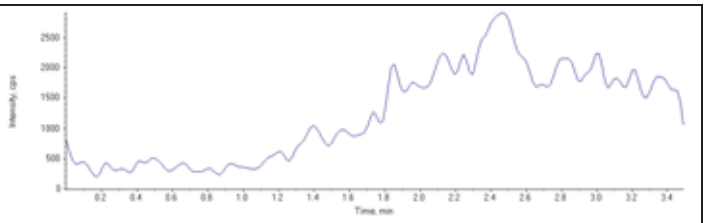
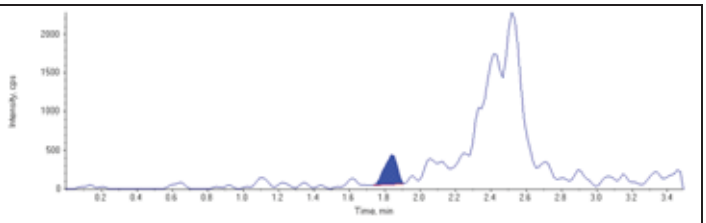
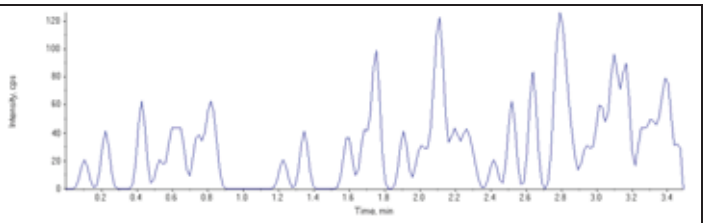
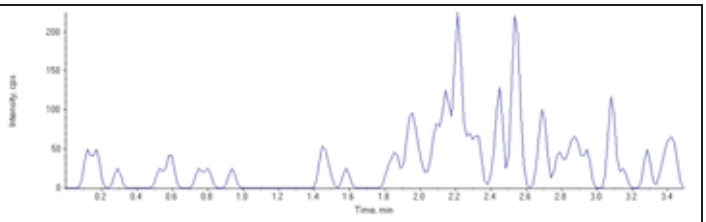
13C6-PFHxA IS (Internal Standard)

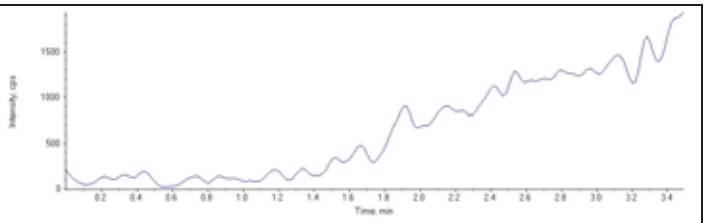
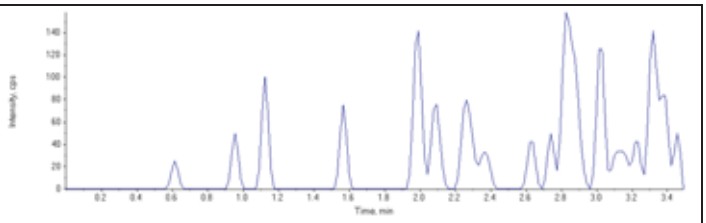
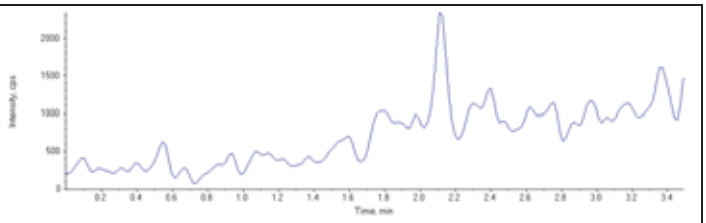
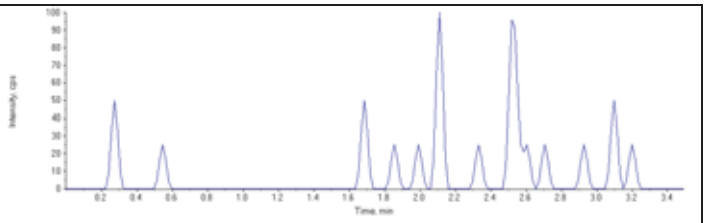
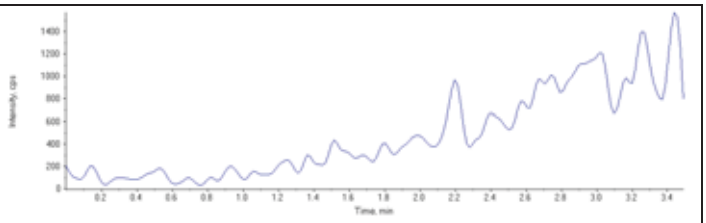
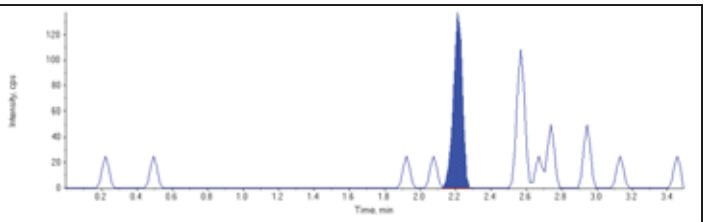
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

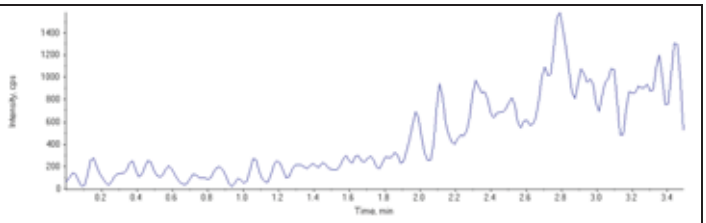
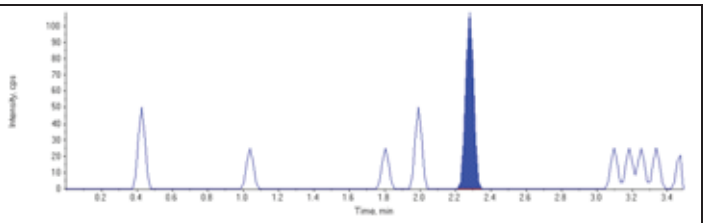
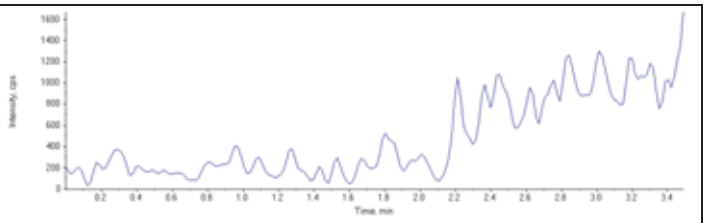
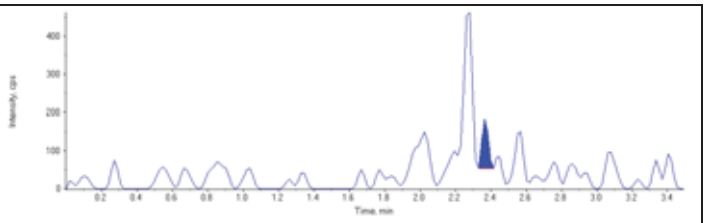
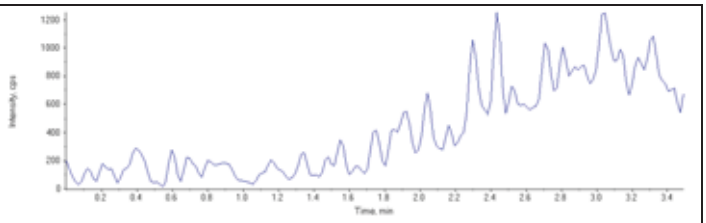
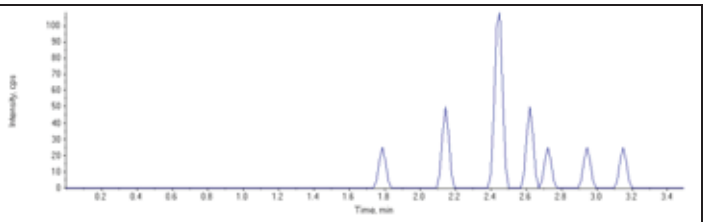


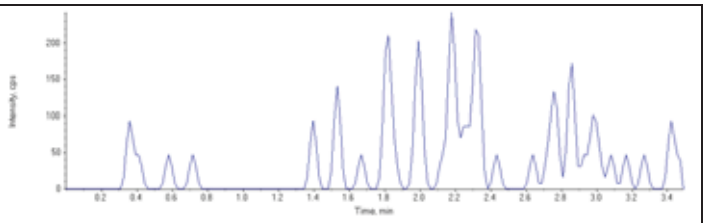
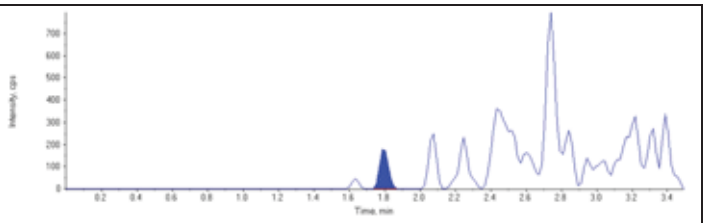
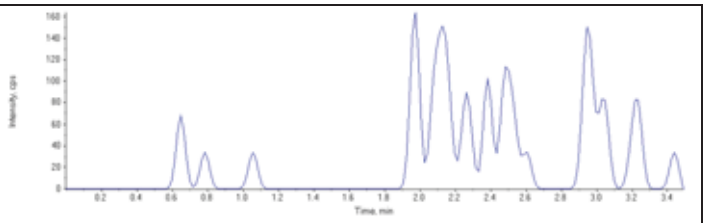
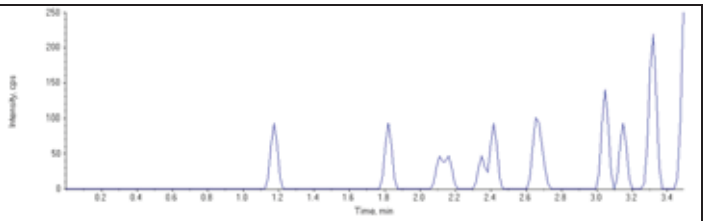
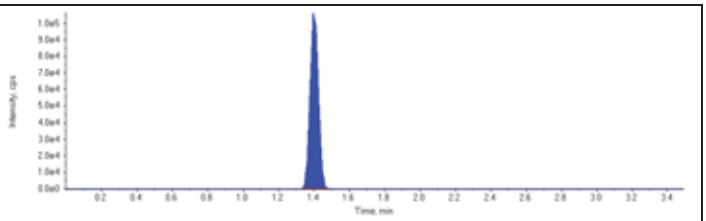
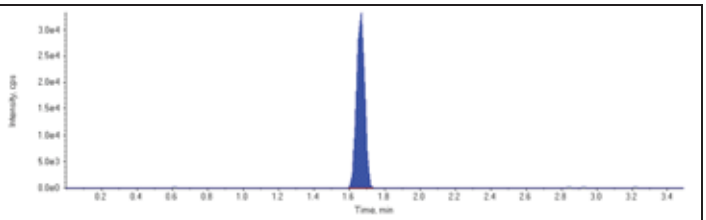
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

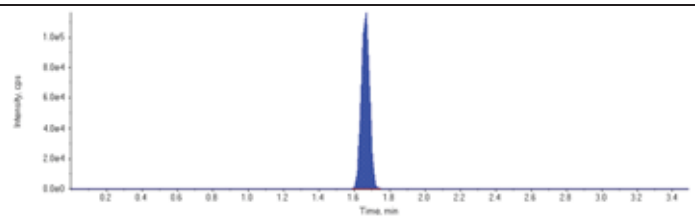
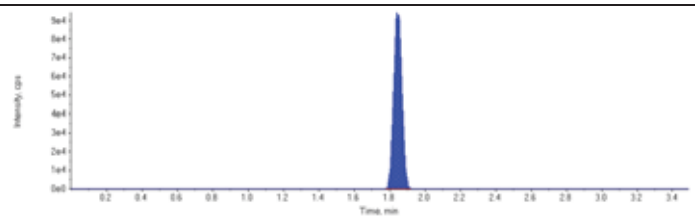
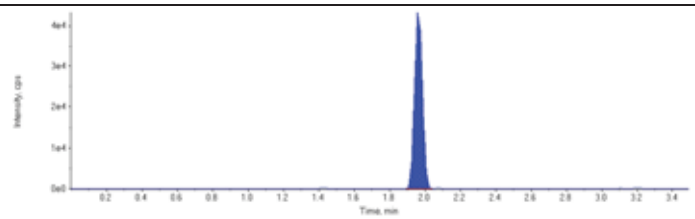
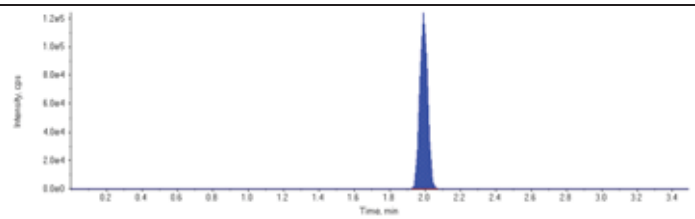
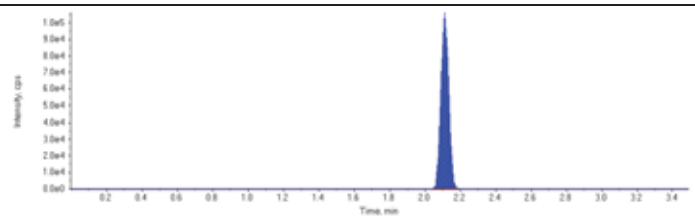
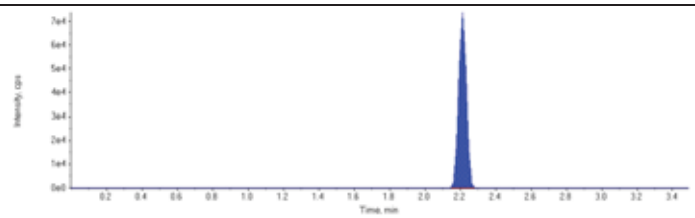
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.42 (1.41) min Calculated Conc: 0.00291 µg/L Area Ratio: 0.000974 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

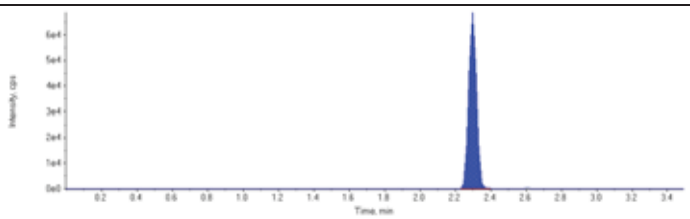
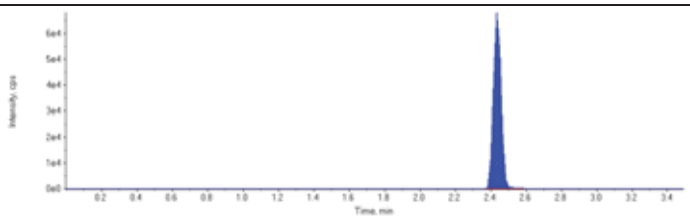
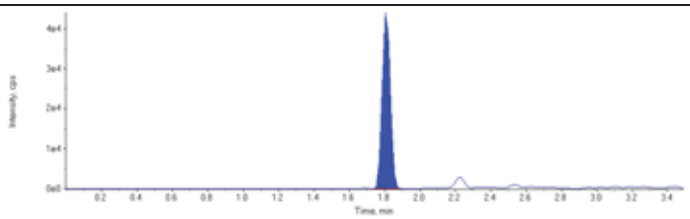
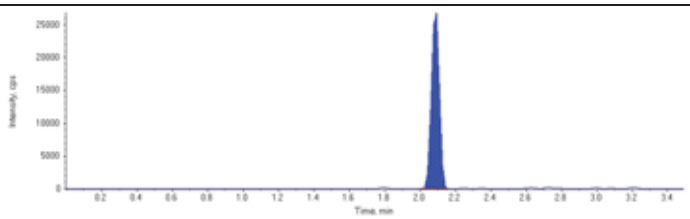
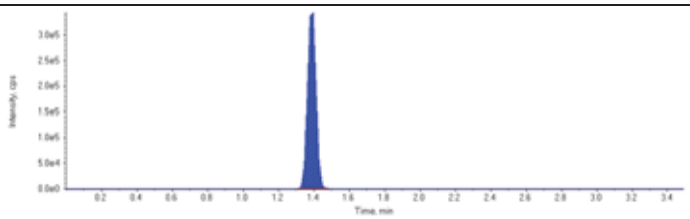
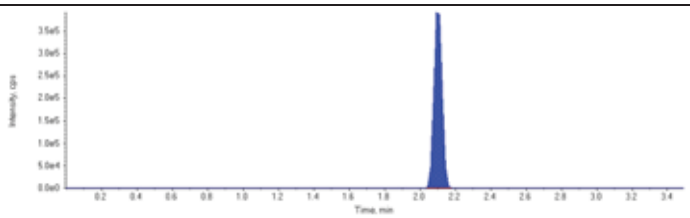
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.73 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00116 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.00623 µg/L Area Ratio: 0.00627 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.96) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 0.00 (1.96) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 0.00 (2.11) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.22 (2.27) min Calculated Conc: 0.00399 µg/L Area Ratio: 0.00214 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 2.28 (2.35) min Calculated Conc: 0.00461 µg/L Area Ratio: 0.00162 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.37 (2.37) min Calculated Conc: 0.00140 µg/L Area Ratio: 0.00158 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.90) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.79 (1.80) min Calculated Conc: 0.00343 µg/L Area Ratio: 0.00454 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 93.2 µg/L Area Ratio: 0.300 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 103. µg/L Area Ratio: 0.0892 Sample Type: (Unknown)	

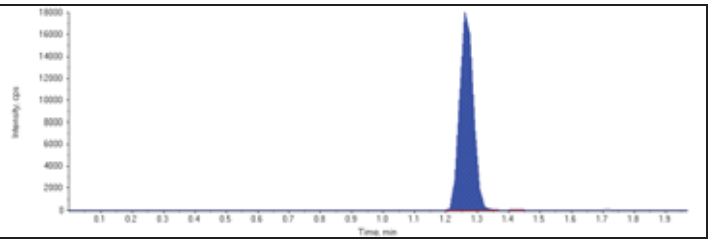
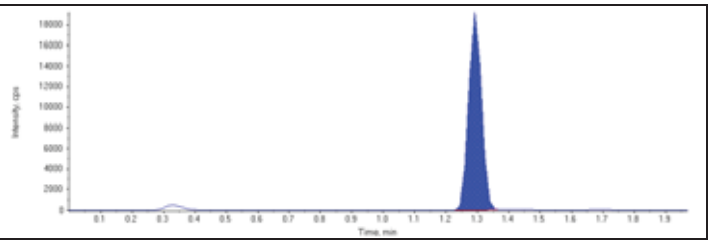
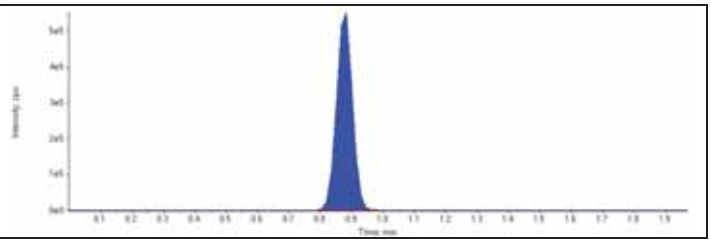
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 96.5 µg/L Area Ratio: 0.319 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 96.3 µg/L Area Ratio: 0.265 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 91.6 µg/L Area Ratio: 0.116 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 108. µg/L Area Ratio: 0.318 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 78.7 µg/L Area Ratio: 0.244 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 74.0 µg/L Area Ratio: 0.170 Sample Type: (Unknown)	

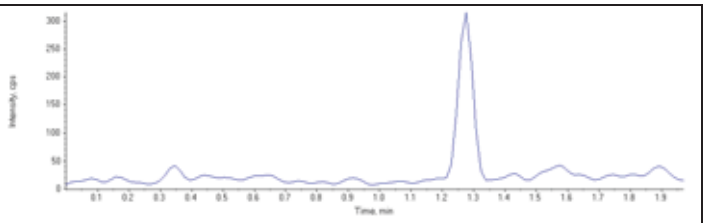
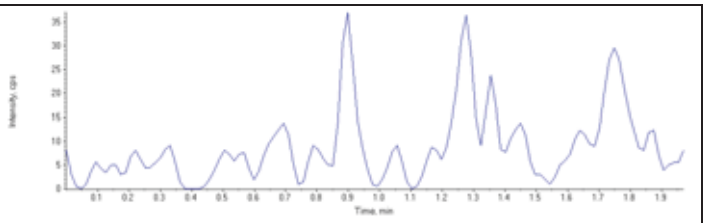
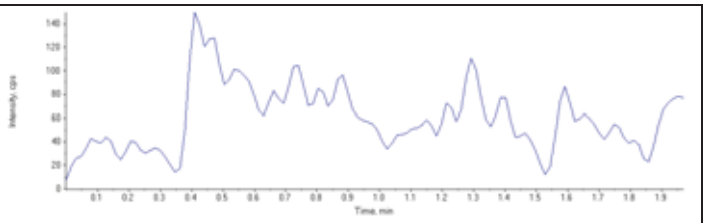
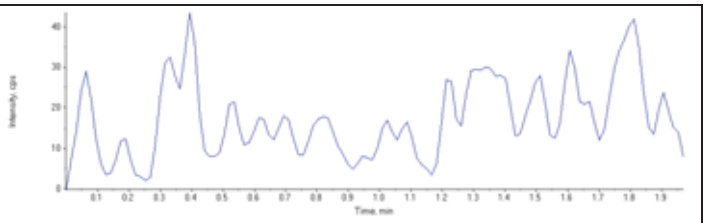
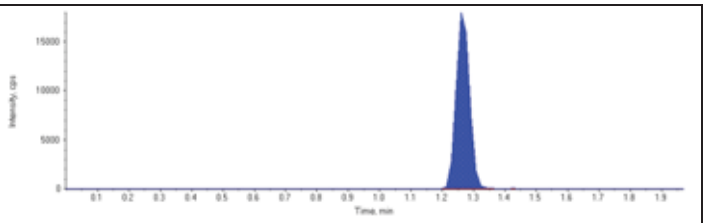
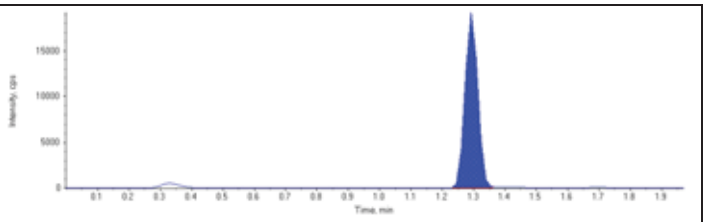
13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 72.2 µg/L Area Ratio: 0.161 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 65.0 µg/L Area Ratio: 0.158 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 99.1 µg/L Area Ratio: 0.118 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 110. µg/L Area Ratio: 0.0729 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.23 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.62 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

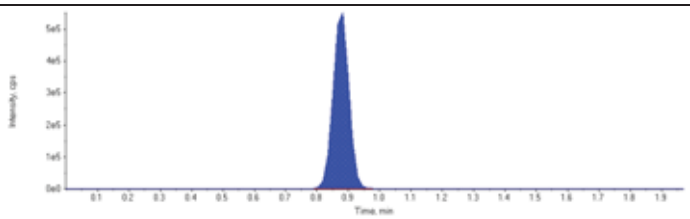
Sample ID	4988945~EJI394-01:50x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	14
Acquisition Date	2017/05/24 1:57:36 AM	**Dilution Factor**	0.100
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	54000.	1.26	1.00	-
D5-EtFOSAA IS	54500.	1.29	1.00	-
13C9-PFDA IS	1960000.	0.877	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	54000	1.26	N/A	6.28	N/A
D5-EtFOSAA	54500	1.29	N/A	5.91	N/A
13C9-PFDA	1960000	0.877	N/A	11.7	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.26(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.877(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

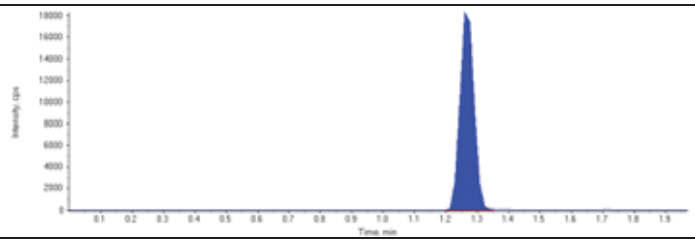
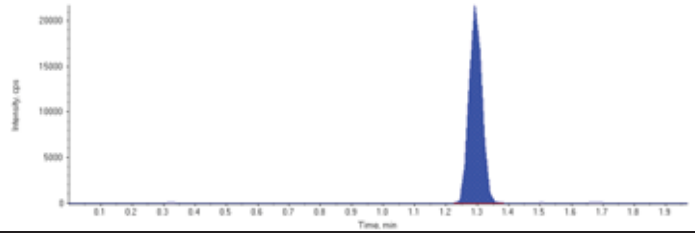
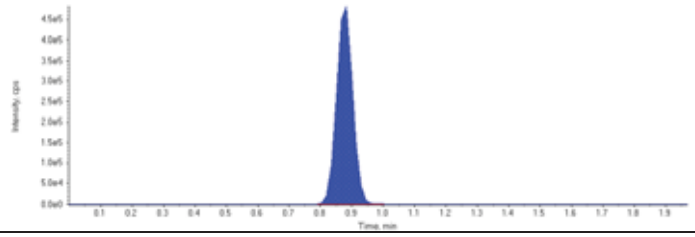
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.26 (1.26) min Calculated Conc: 6.28 µg/L Area Ratio: 0.0275 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 5.91 µg/L Area Ratio: 0.0277 Sample Type: (Unknown)	

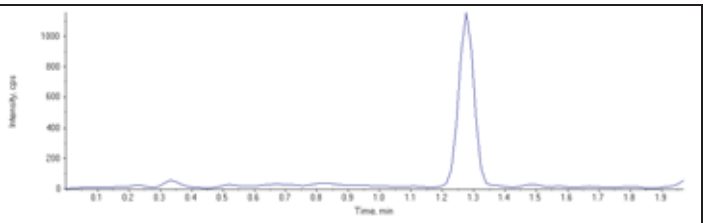
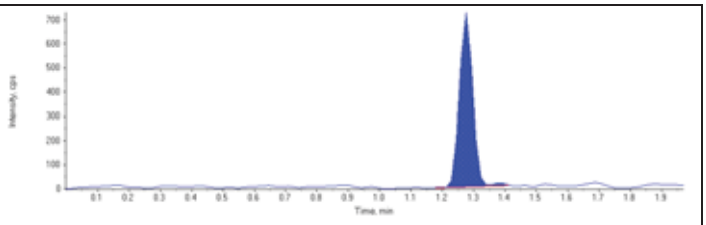
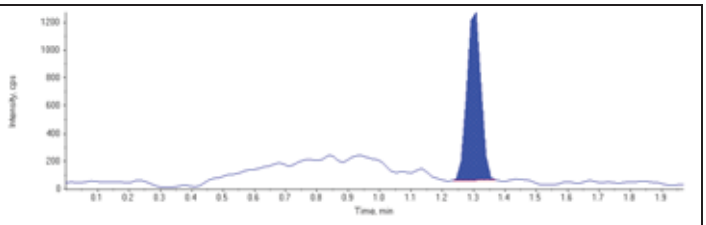
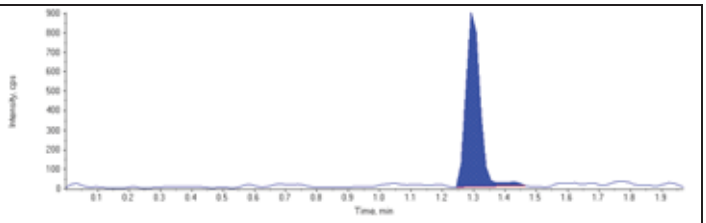
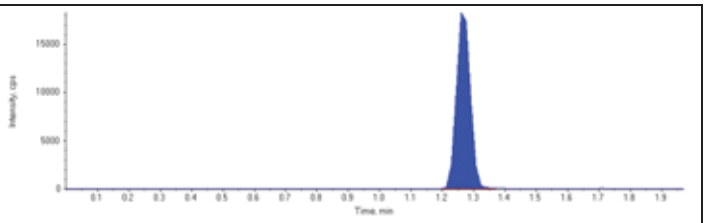
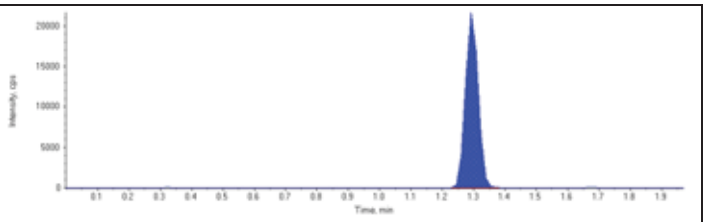
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.877 (0.912) min Calculated Conc: 11.7 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

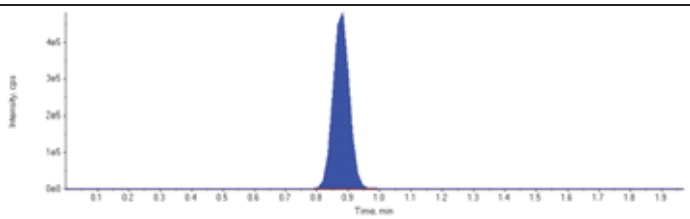
Sample ID	4988945~EJI394-01:10x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	15
Acquisition Date	2017/05/24 2:00:11 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	56900.	1.27	1.00	-
D5-EtFOSAA IS	61600.	1.29	1.00	-
13C9-PFDA IS	1750000.	0.877	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	2150	1.28	N/A	0.0214	N/A
EtFOSAA 1	3750	1.30	N/A	0.0591	N/A
EtFOSAA 2	2790	1.30	N/A	0.0470	N/A
D3-MeFOSAA	56900	1.27	N/A	17.8	N/A
D5-EtFOSAA	61600	1.29	N/A	18.0	N/A
13C9-PFDA	1750000	0.877	N/A	25.0	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.877(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

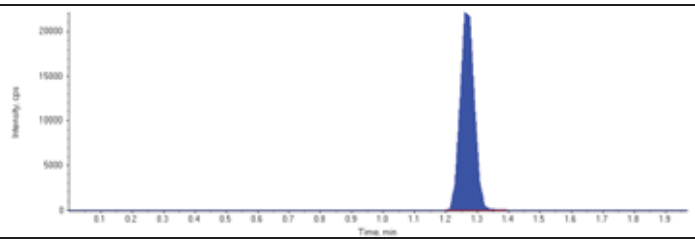
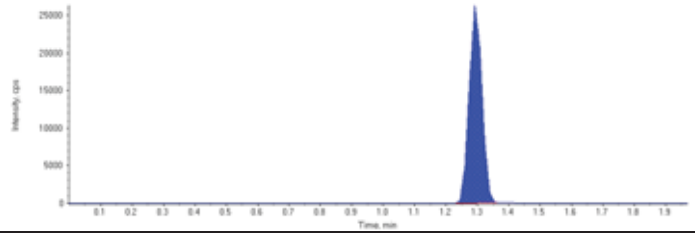
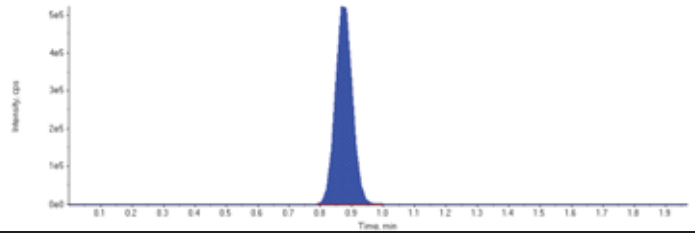
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 1.28 (1.27) min Calculated Conc: 0.0214 µg/L Area Ratio: 0.0378 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.30 (1.30) min Calculated Conc: 0.0591 µg/L Area Ratio: 0.0608 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 1.30 (1.30) min Calculated Conc: 0.0470 µg/L Area Ratio: 0.0453 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 17.8 µg/L Area Ratio: 0.0325 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 18.0 µg/L Area Ratio: 0.0352 Sample Type: (Unknown)	

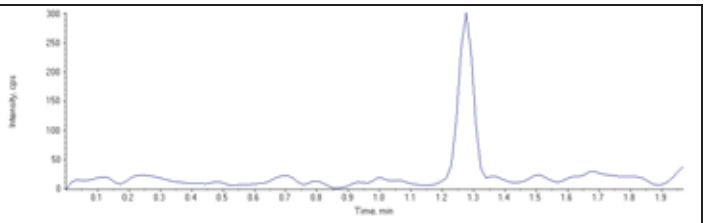
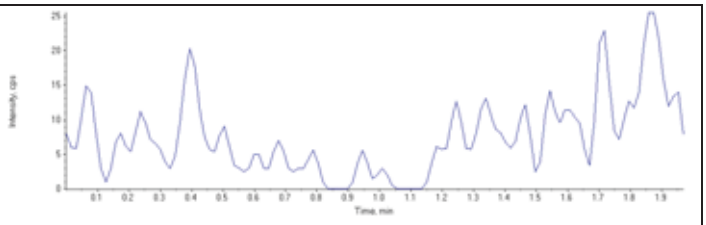
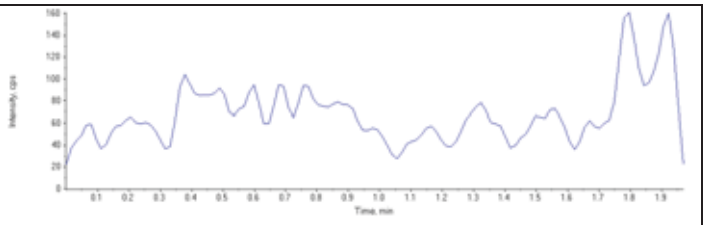
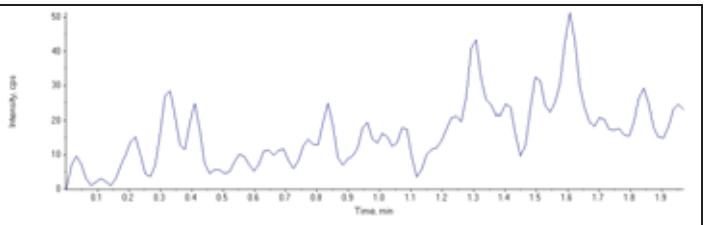
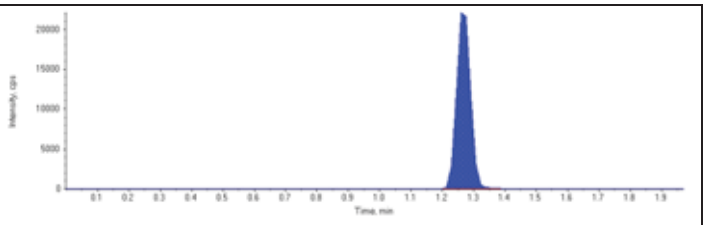
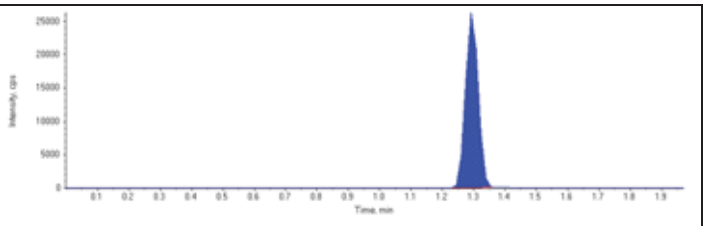
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.877 (0.912) min Calculated Conc: 25.0 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

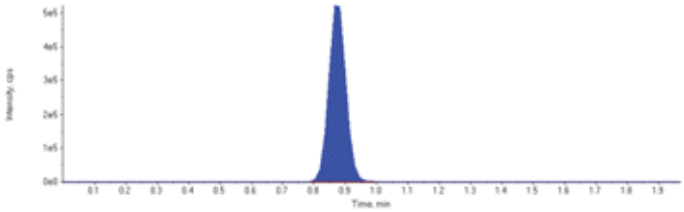
Sample ID	4988945~EJI400-01:1000x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	16
Acquisition Date	2017/05/24 2:05:21 AM	**Dilution Factor**	24.0
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	69800.	1.27	1.00	-
D5-EtFOSAA IS	74600.	1.29	1.00	-
13C9-PFDA IS	2020000.	0.874	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	69800	1.27	N/A	1900.	N/A
D5-EtFOSAA	74600	1.29	N/A	1890.	N/A
13C9-PFDA	2020000	0.874	N/A	2880.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.874(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

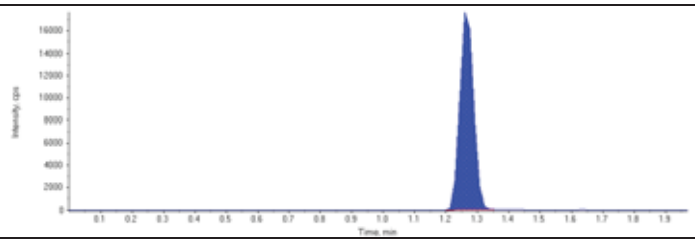
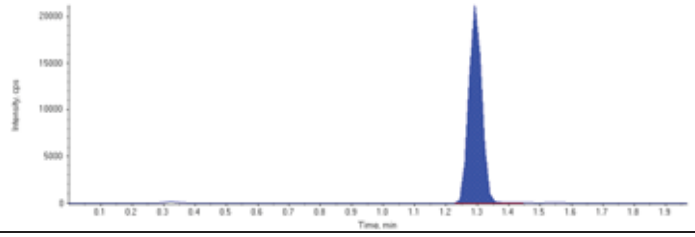
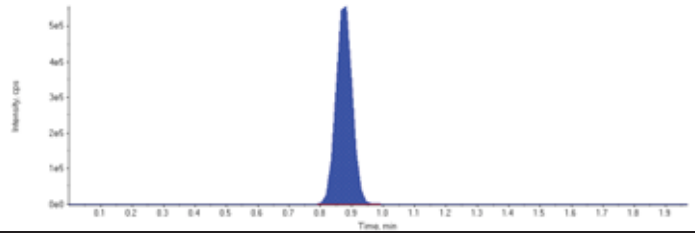
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 1900. µg/L Area Ratio: 0.0346 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1890. µg/L Area Ratio: 0.0370 Sample Type: (Unknown)	

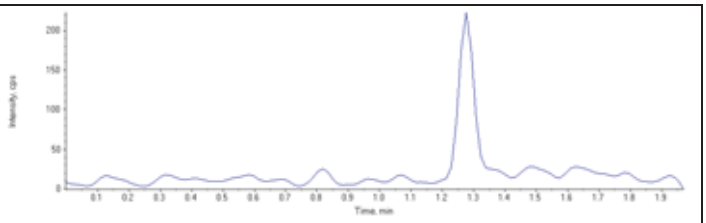
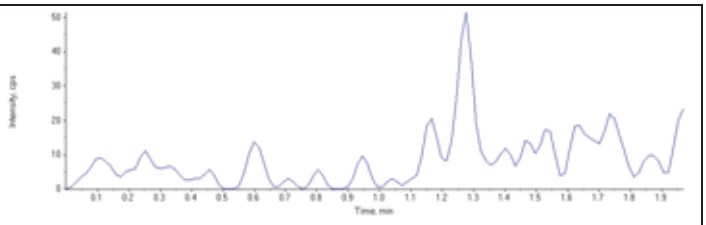
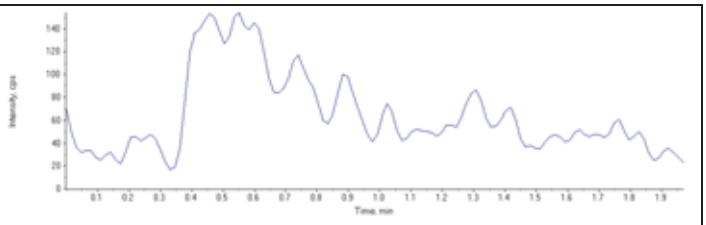
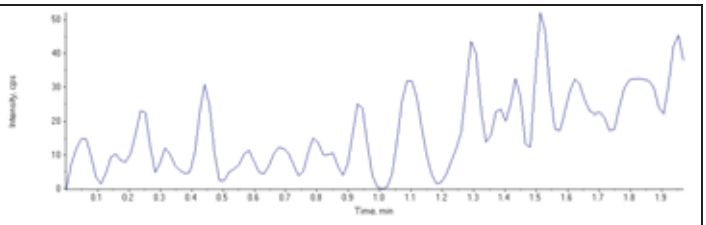
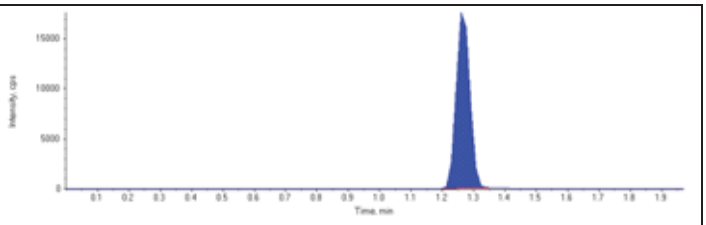
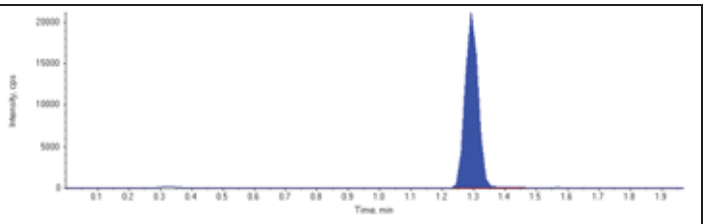
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.874 (0.912) min Calculated Conc: 2880. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

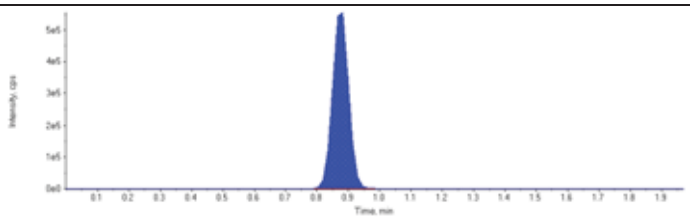
Sample ID	4988945~EJI400-01:100x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	17
Acquisition Date	2017/05/24 2:07:56 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	53700.	1.27	1.00	-
D5-EtFOSAA IS	60200.	1.29	1.00	-
13C9-PFDA IS	2040000.	0.875	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	53700	1.27	N/A	145.	N/A
D5-EtFOSAA	60200	1.29	N/A	151.	N/A
13C9-PFDA	2040000	0.875	N/A	291.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.875(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

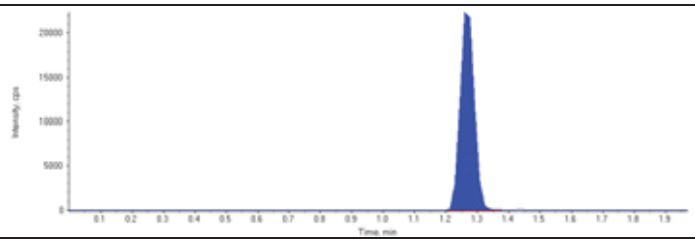
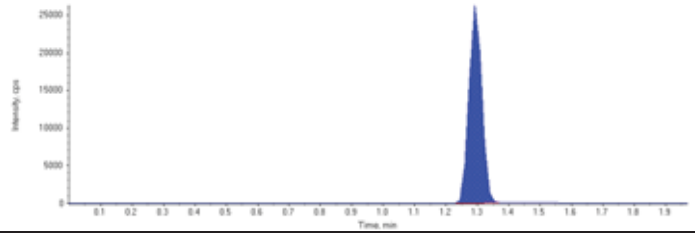
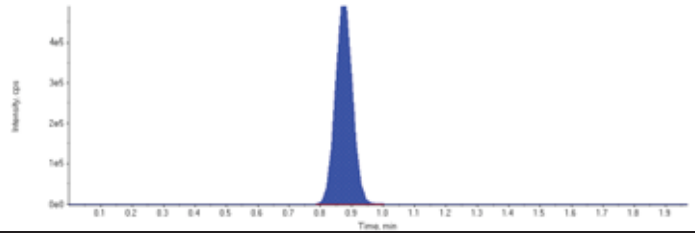
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 145. µg/L Area Ratio: 0.0264 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 151. µg/L Area Ratio: 0.0296 Sample Type: (Unknown)	

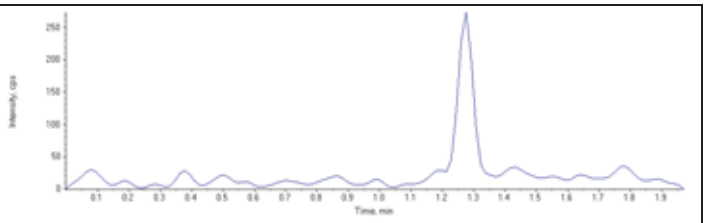
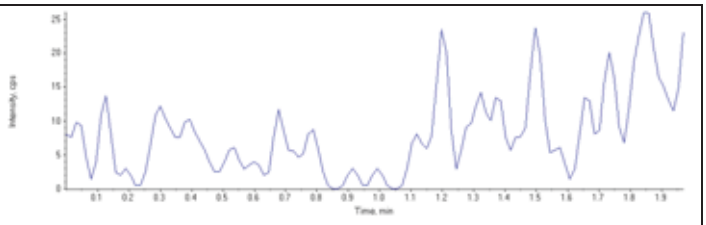
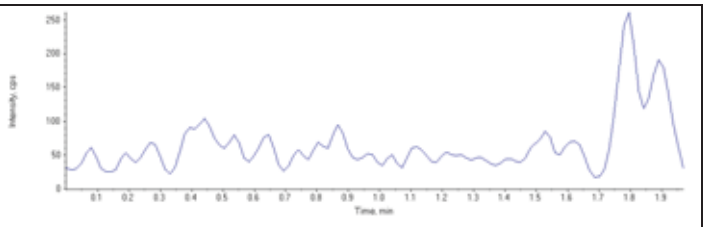
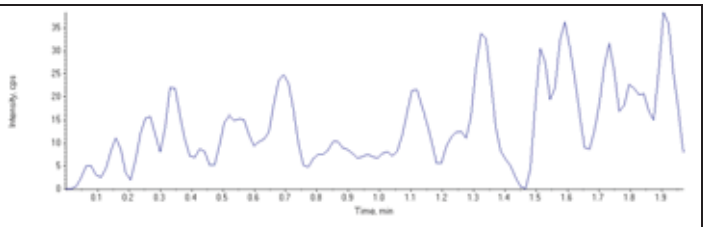
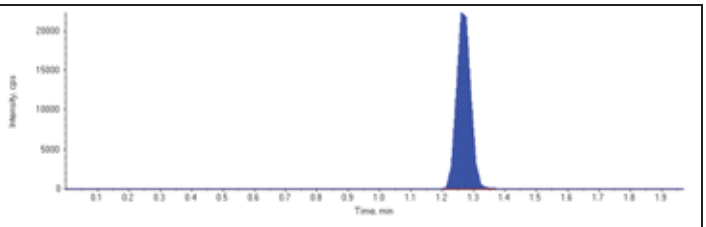
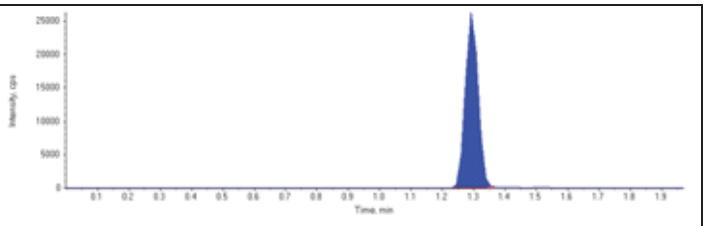
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.875 (0.912) min Calculated Conc: 291. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

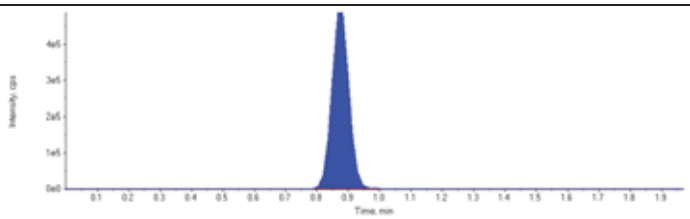
Sample ID	4988945~EJI400-01:D1:1000x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	18
Acquisition Date	2017/05/24 2:13:06 AM	**Dilution Factor**	24.0
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	70500.	1.27	1.00	-
D5-EtFOSAA IS	74400.	1.29	1.00	-
13C9-PFDA IS	1910000.	0.874	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	70500	1.27	N/A	2020.	N/A
D5-EtFOSAA	74400	1.29	N/A	1990.	N/A
13C9-PFDA	1910000	0.874	N/A	2740.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.874(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

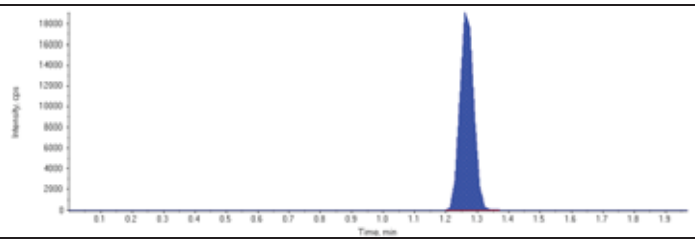
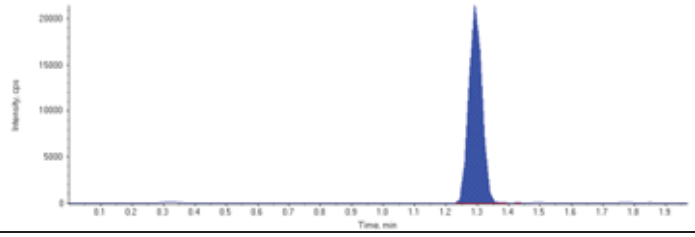
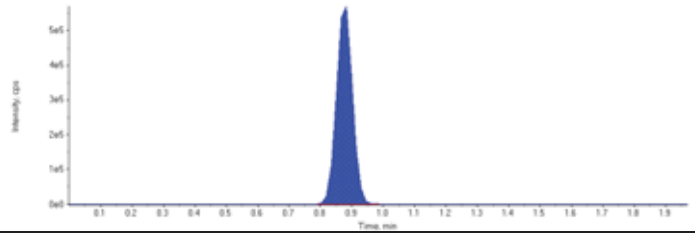
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 2020. µg/L Area Ratio: 0.0368 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1990. µg/L Area Ratio: 0.0389 Sample Type: (Unknown)	

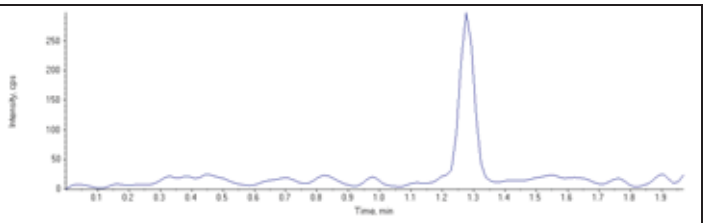
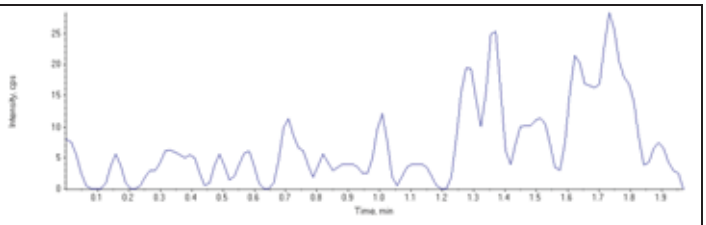
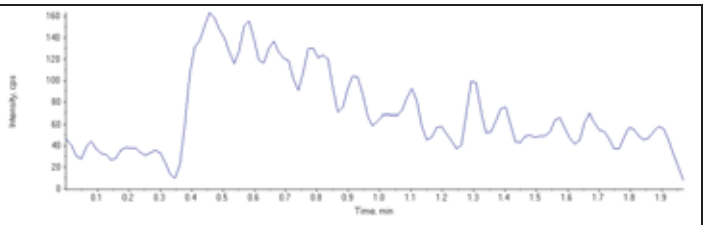
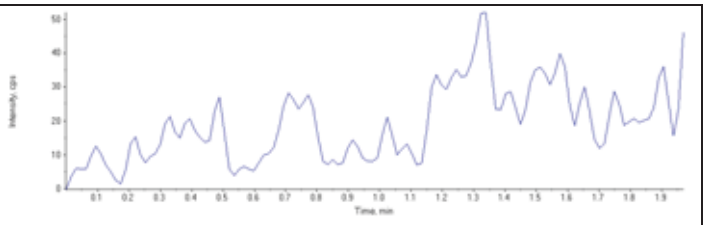
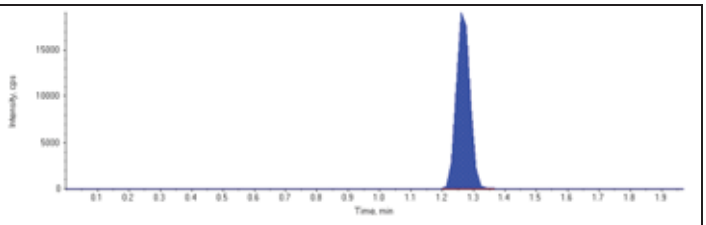
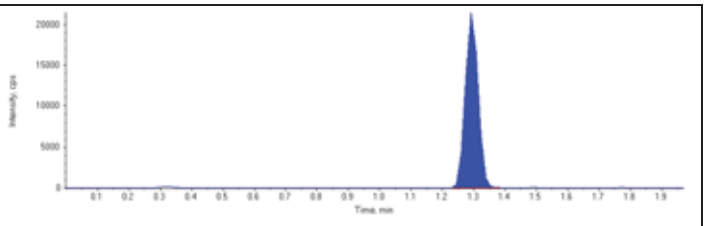
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.874 (0.912) min Calculated Conc: 2740. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

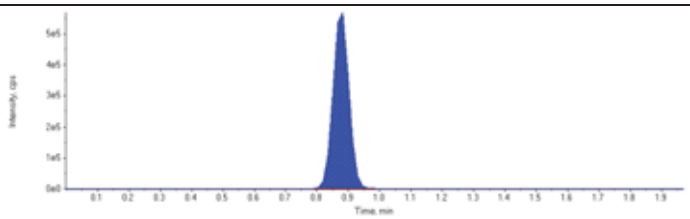
Sample ID	4988945~EJI400-01:D1:100x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	19
Acquisition Date	2017/05/24 2:15:41 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	58400.	1.27	1.00	-
D5-EtFOSAA IS	61500.	1.29	1.00	-
13C9-PFDA IS	2040000.	0.877	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	58400	1.27	N/A	157.	N/A
D5-EtFOSAA	61500	1.29	N/A	154.	N/A
13C9-PFDA	2040000	0.877	N/A	292.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.877(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

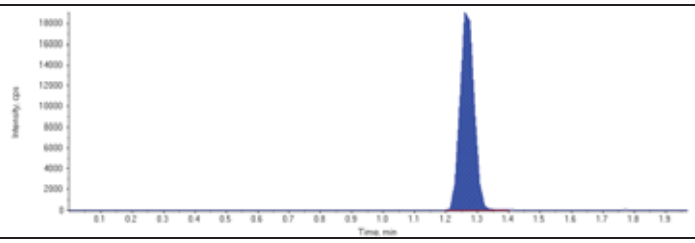
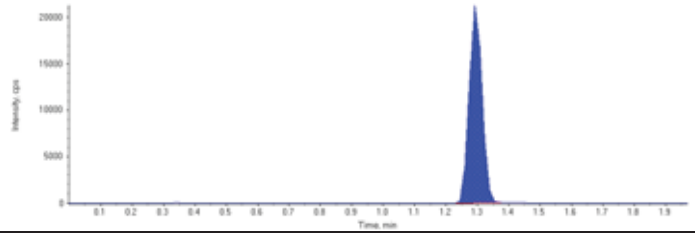
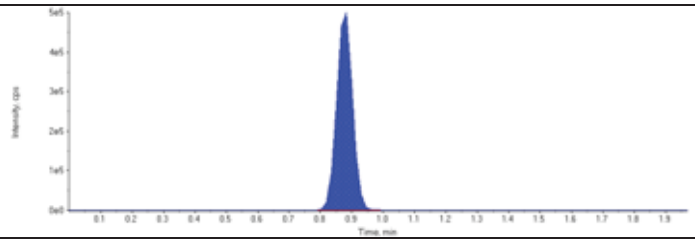
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 157. µg/L Area Ratio: 0.0286 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 154. µg/L Area Ratio: 0.0301 Sample Type: (Unknown)	

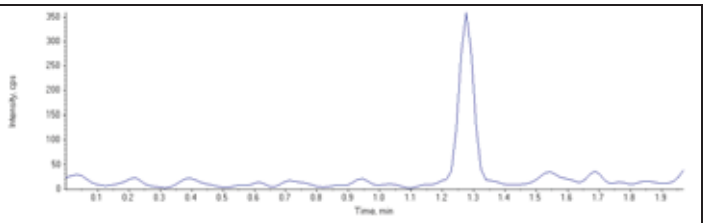
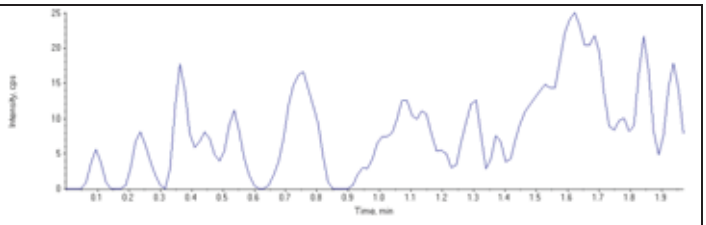
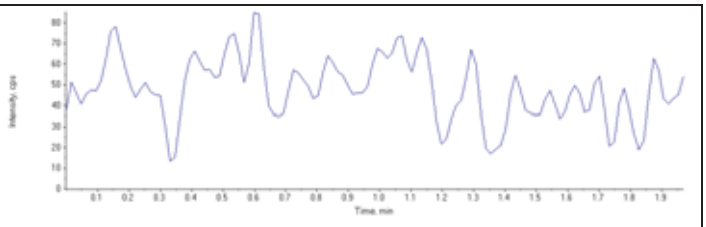
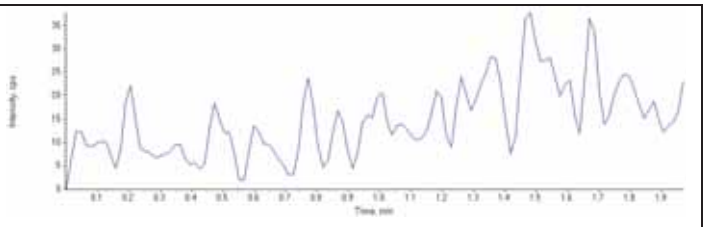
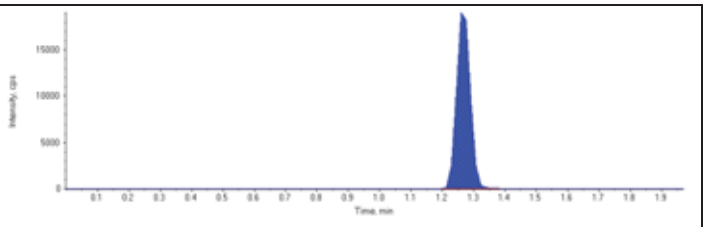
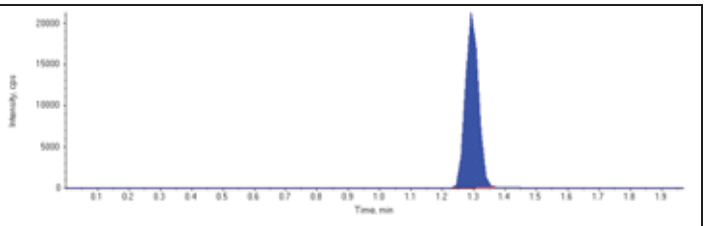
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.877 (0.912) min Calculated Conc: 292. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

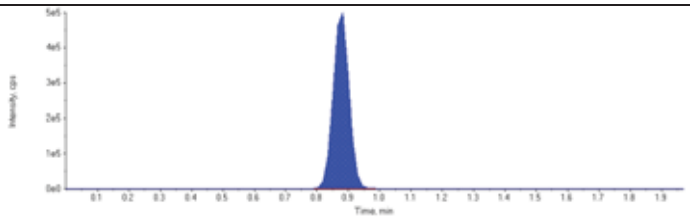
Sample ID	4988945~EJI403-01	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	20
Acquisition Date	2017/05/24 2:18:16 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	59300.	1.27	1.00	-
D5-EtFOSAA IS	60900.	1.29	1.00	-
13C9-PFDA IS	1780000.	0.877	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	59300	1.27	N/A	1.83	N/A
D5-EtFOSAA	60900	1.29	N/A	1.75	N/A
13C9-PFDA	1780000	0.877	N/A	2.54	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.877(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

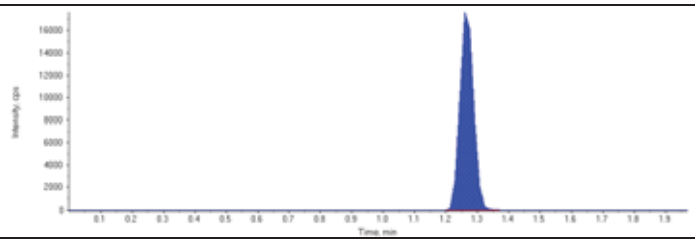
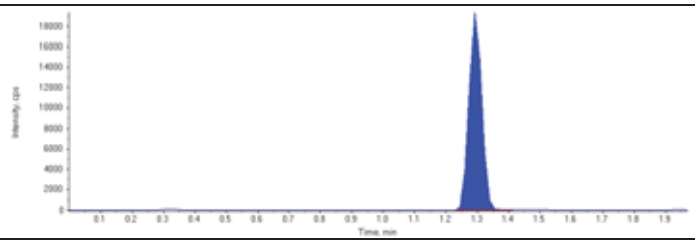
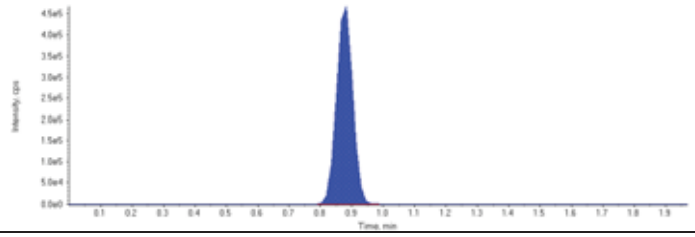
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 1.83 µg/L Area Ratio: 0.0333 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1.75 µg/L Area Ratio: 0.0342 Sample Type: (Unknown)	

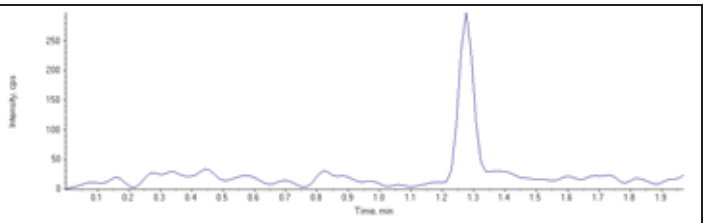
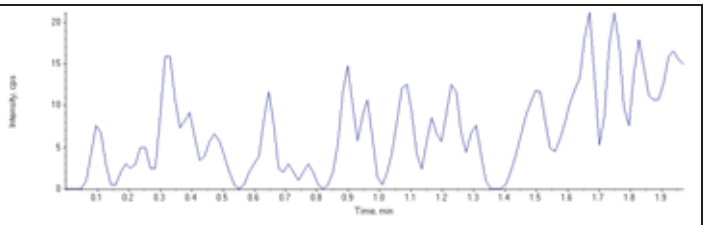
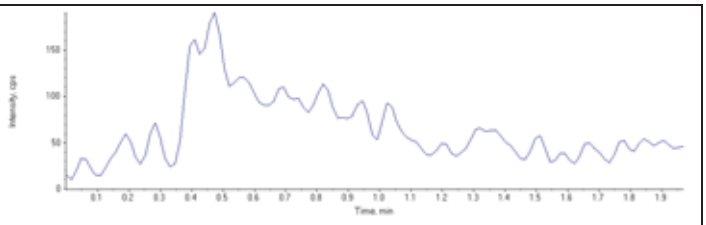
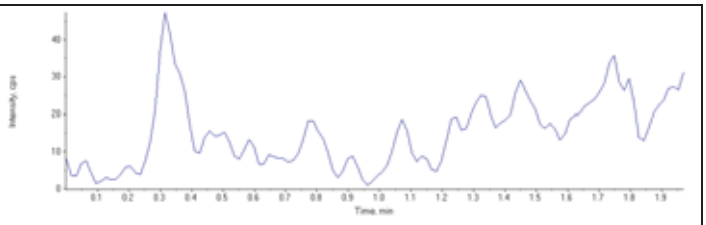
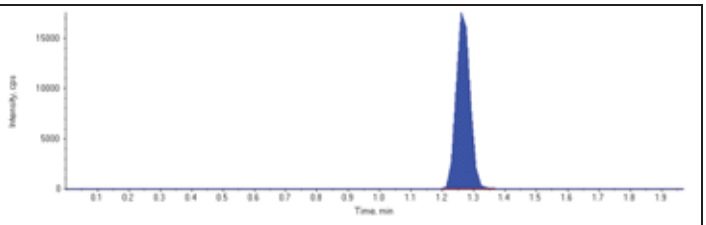
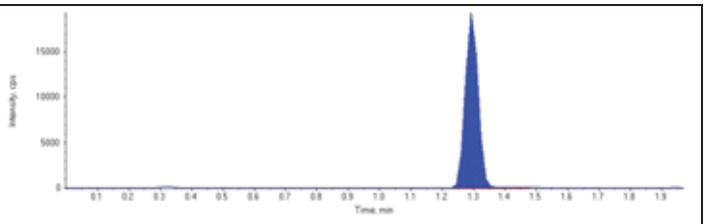
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.877 (0.912) min Calculated Conc: 2.54 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

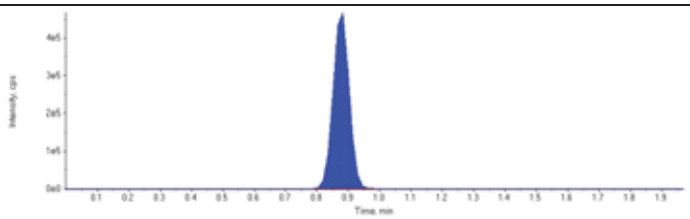
Sample ID	4988945~EJI408-01:50x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	21
Acquisition Date	2017/05/24 2:20:51 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	53900.	1.27	1.00	-
D5-EtFOSAA IS	55000.	1.29	1.00	-
13C9-PFDA IS	1690000.	0.877	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	53900	1.27	N/A	87.4	N/A
D5-EtFOSAA	55000	1.29	N/A	83.3	N/A
13C9-PFDA	1690000	0.877	N/A	121.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.877(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

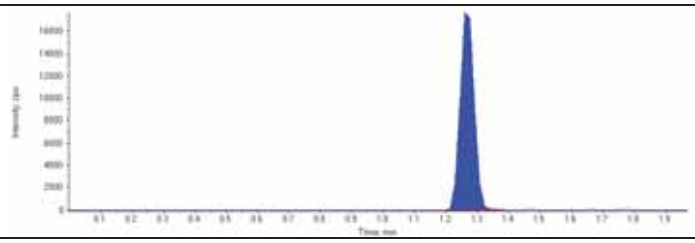
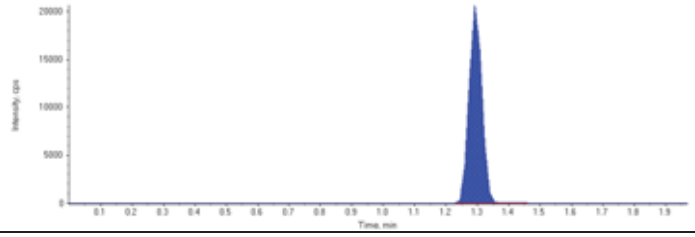
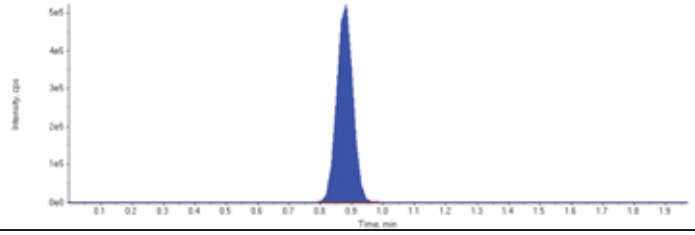
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 87.4 µg/L Area Ratio: 0.0319 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 83.3 µg/L Area Ratio: 0.0326 Sample Type: (Unknown)	

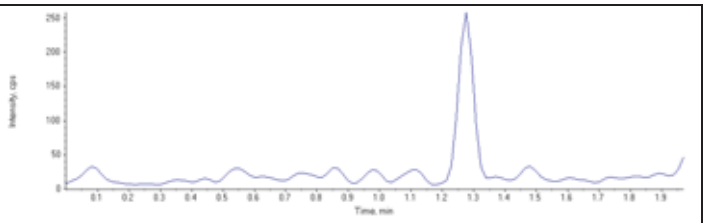
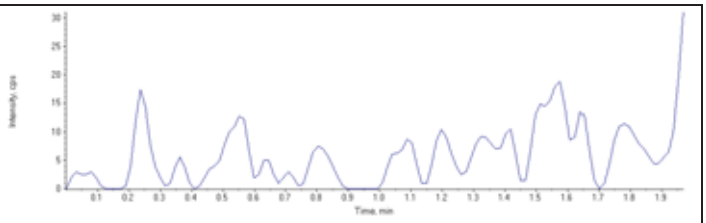
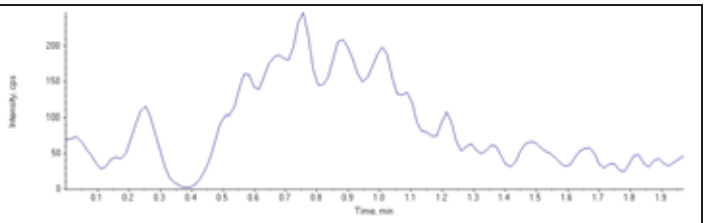
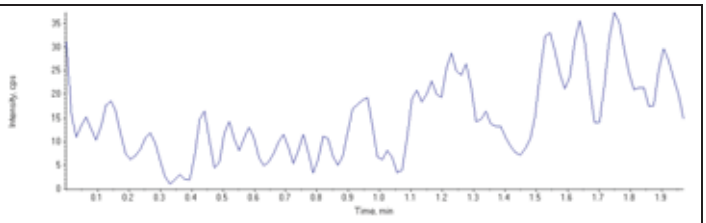
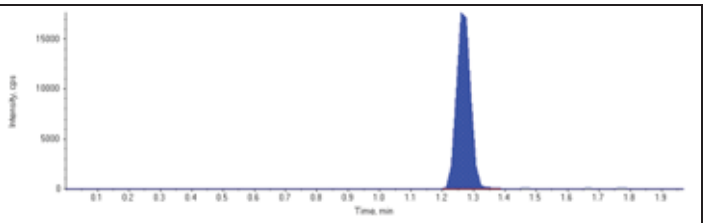
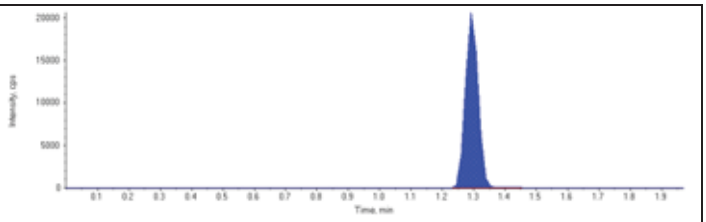
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.877 (0.912) min Calculated Conc: 121. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

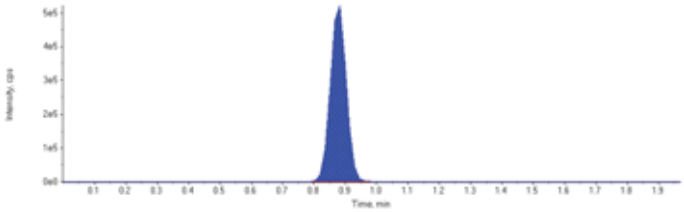
Sample ID	4988945~EJI408-01:10x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	22
Acquisition Date	2017/05/24 2:23:27 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	55400.	1.27	1.00	-
D5-EtFOSAA IS	58600.	1.29	1.00	-
13C9-PFDA IS	1860000.	0.878	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	55400	1.27	N/A	16.3	N/A
D5-EtFOSAA	58600	1.29	N/A	16.1	N/A
13C9-PFDA	1860000	0.878	N/A	26.6	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.878(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

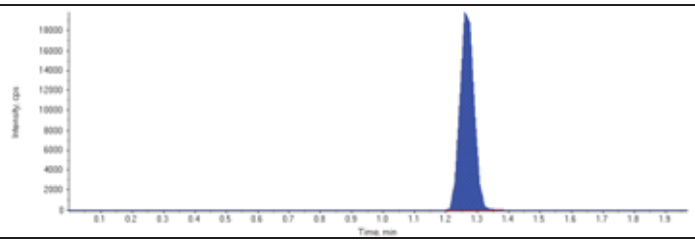
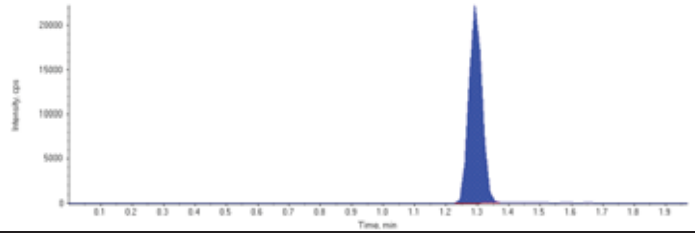
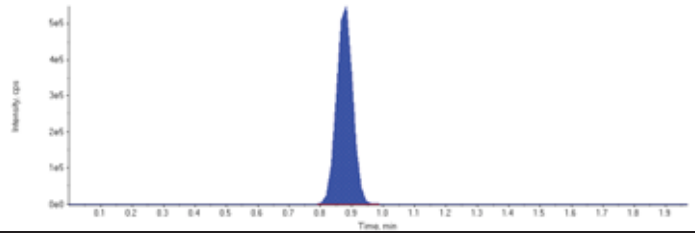
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 16.3 µg/L Area Ratio: 0.0298 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 16.1 µg/L Area Ratio: 0.0315 Sample Type: (Unknown)	

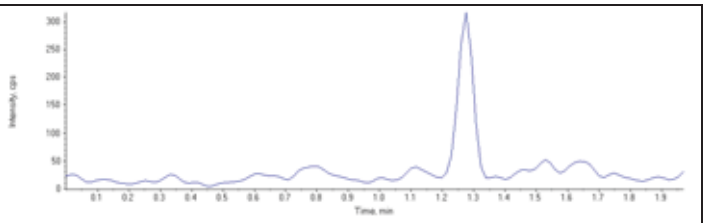
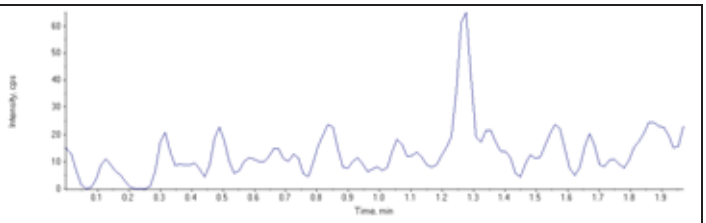
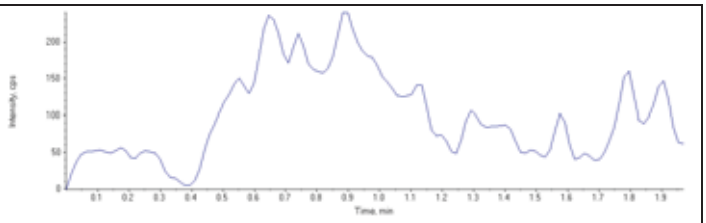
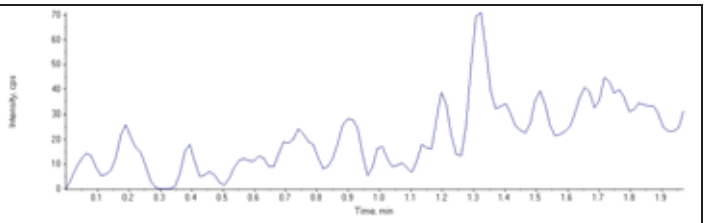
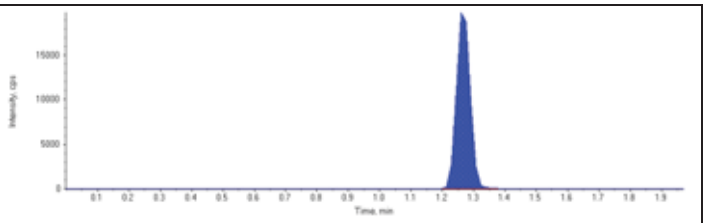
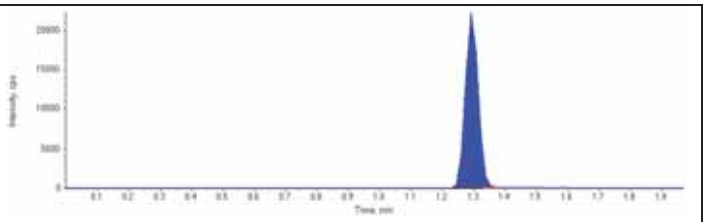
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.878 (0.912) min Calculated Conc: 26.6 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

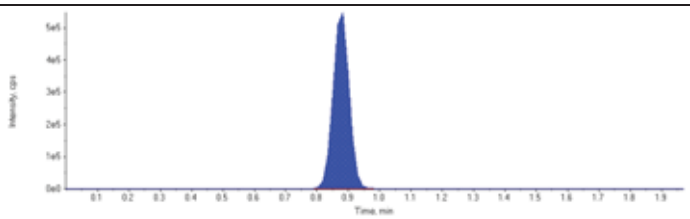
Sample ID	4988945~EJI409-01:10x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	23
Acquisition Date	2017/05/24 2:36:21 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	61700.	1.27	1.00	-
D5-EtFOSAA IS	63700.	1.29	1.00	-
13C9-PFDA IS	1970000.	0.877	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	61700	1.27	N/A	17.2	N/A
D5-EtFOSAA	63700	1.29	N/A	16.5	N/A
13C9-PFDA	1970000	0.877	N/A	28.2	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.877(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

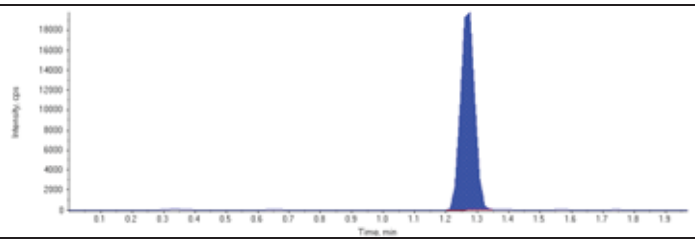
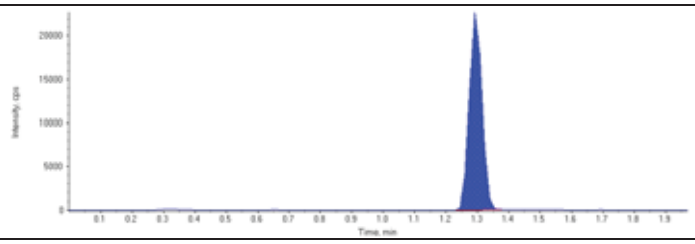
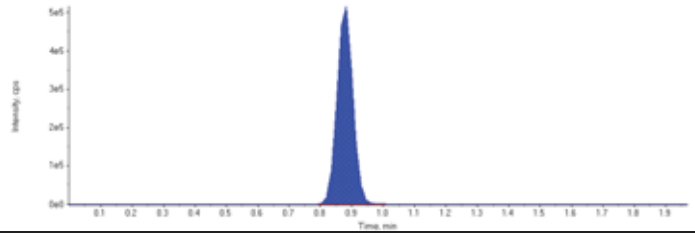
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 17.2 µg/L Area Ratio: 0.0313 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 16.5 µg/L Area Ratio: 0.0323 Sample Type: (Unknown)	

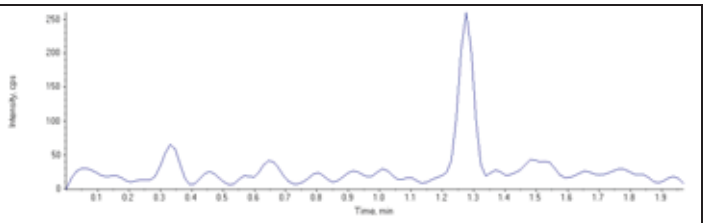
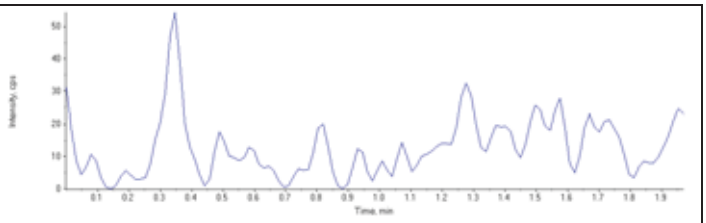
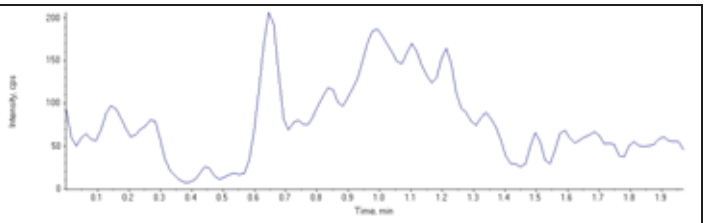
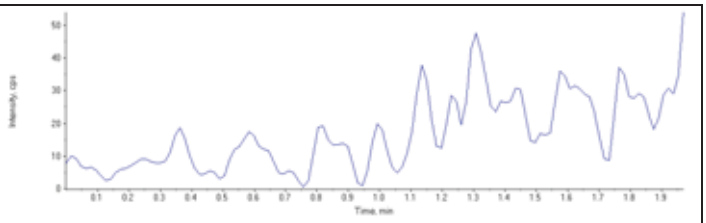
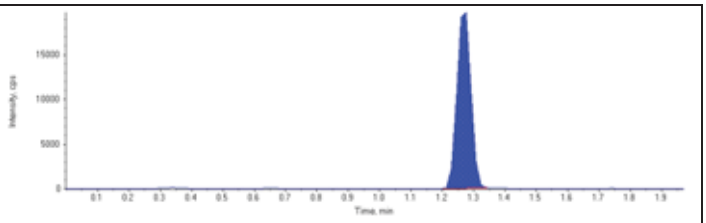
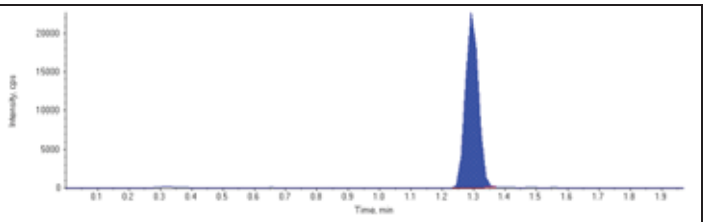
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.877 (0.912) min Calculated Conc: 28.2 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

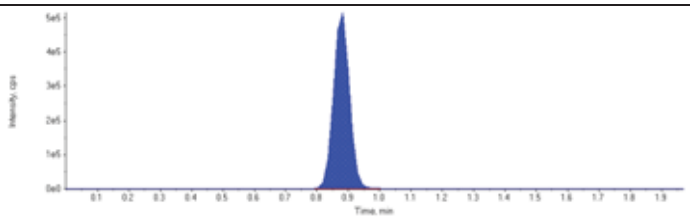
Sample ID	4988945~EJI409-01	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	24
Acquisition Date	2017/05/24 2:38:56 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	62000.	1.27	1.00	-
D5-EtFOSAA IS	64600.	1.29	1.00	-
13C9-PFDA IS	1830000.	0.878	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	62000	1.27	N/A	1.86	N/A
D5-EtFOSAA	64600	1.29	N/A	1.81	N/A
13C9-PFDA	1830000	0.878	N/A	2.61	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.878(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

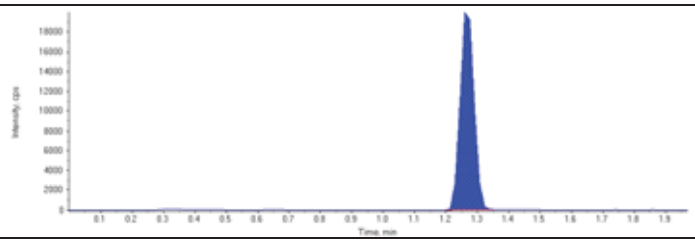
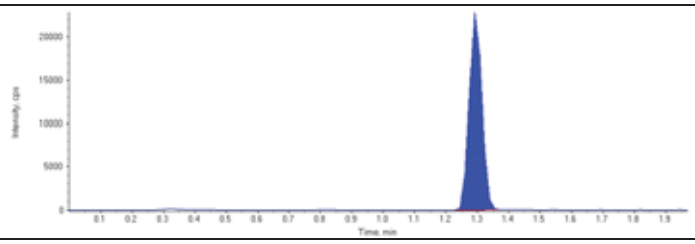
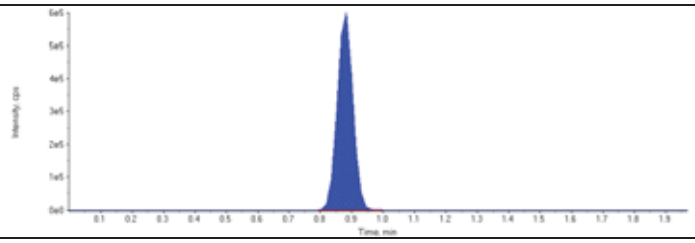
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 1.86 µg/L Area Ratio: 0.0339 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1.81 µg/L Area Ratio: 0.0354 Sample Type: (Unknown)	

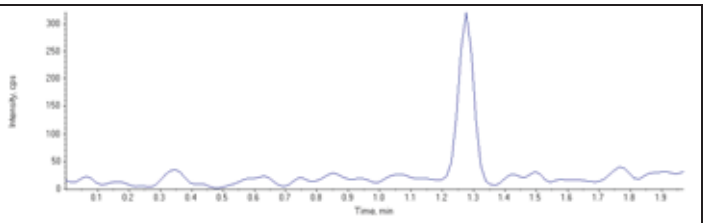
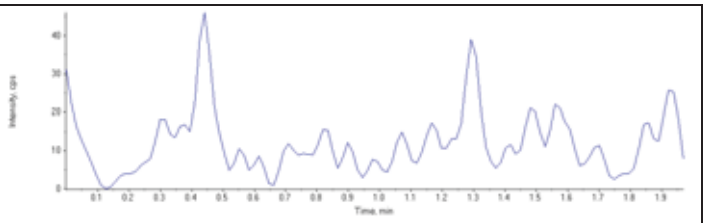
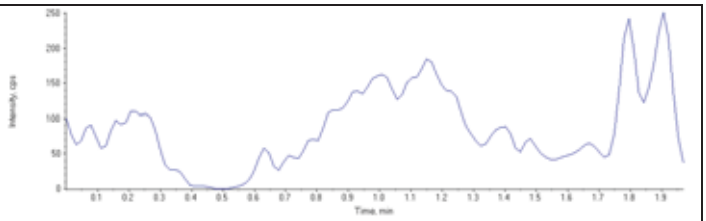
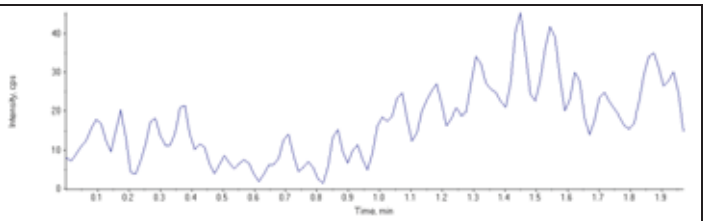
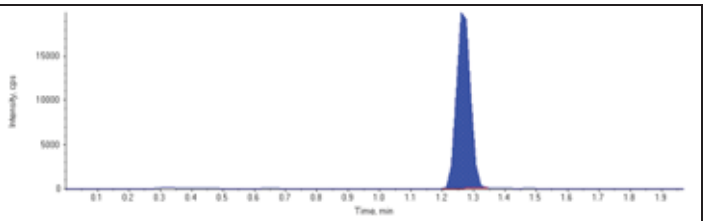
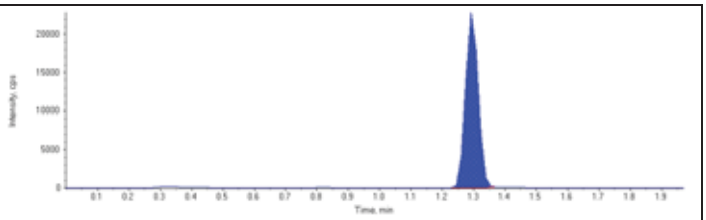
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.878 (0.912) min Calculated Conc: 2.61 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

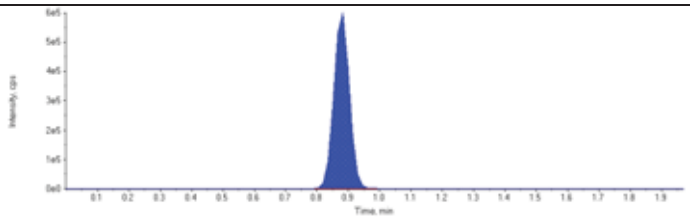
Sample ID	4988945~EJI410-01	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	25
Acquisition Date	2017/05/24 2:44:06 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	62100.	1.27	1.00	-
D5-EtFOSAA IS	64600.	1.29	1.00	-
13C9-PFDA IS	2090000.	0.879	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	62100	1.27	N/A	1.63	N/A
D5-EtFOSAA	64600	1.29	N/A	1.58	N/A
13C9-PFDA	2090000	0.879	N/A	2.99	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.879(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

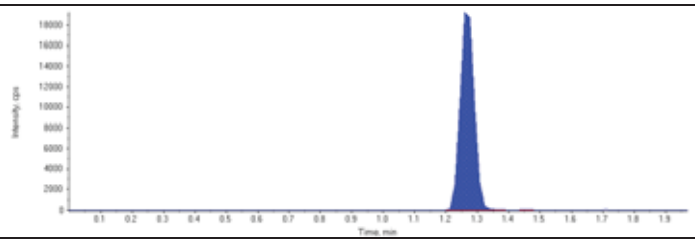
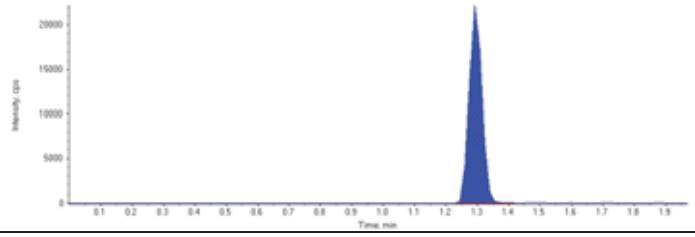
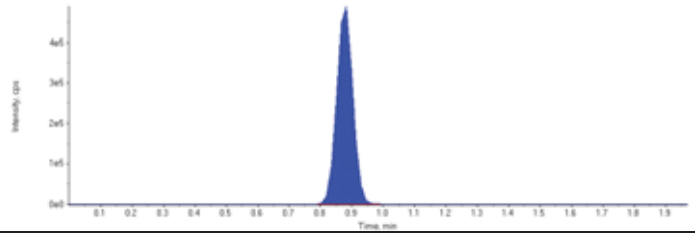
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 1.63 µg/L Area Ratio: 0.0297 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1.58 µg/L Area Ratio: 0.0309 Sample Type: (Unknown)	

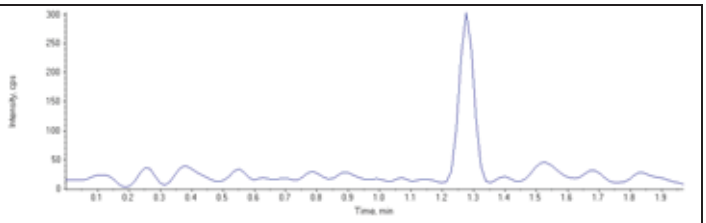
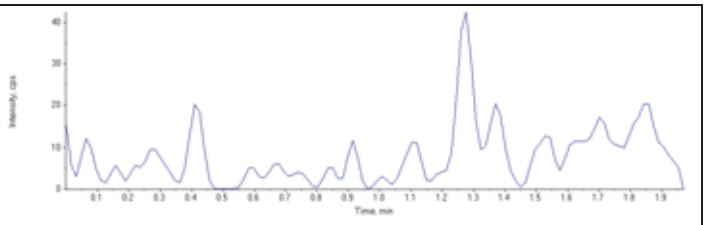
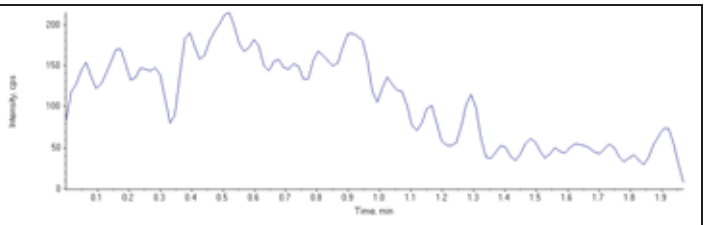
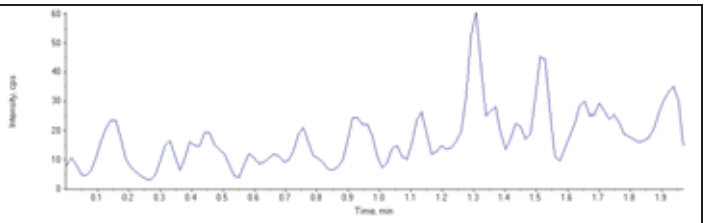
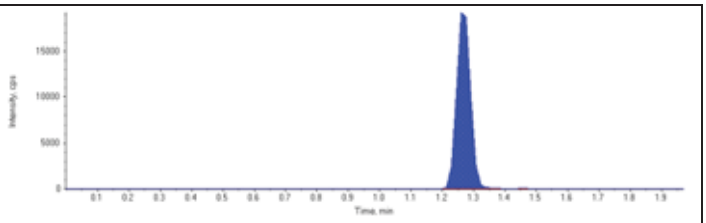
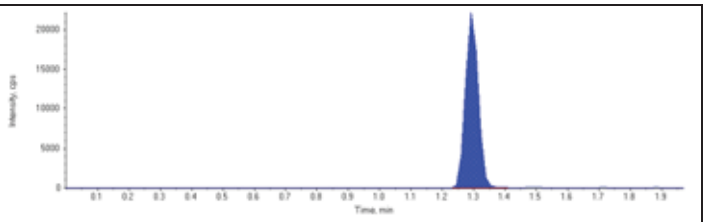
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.879 (0.912) min Calculated Conc: 2.99 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

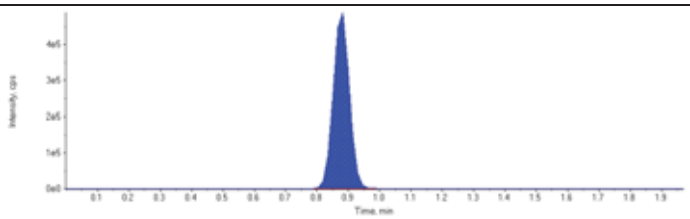
Sample ID	4988945~EJI411-01	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	26
Acquisition Date	2017/05/24 2:46:41 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	60600.	1.27	1.00	-
D5-EtFOSAA IS	63000.	1.29	1.00	-
13C9-PFDA IS	1770000.	0.878	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	60600	1.27	N/A	1.88	N/A
D5-EtFOSAA	63000	1.29	N/A	1.82	N/A
13C9-PFDA	1770000	0.878	N/A	2.53	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.878(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

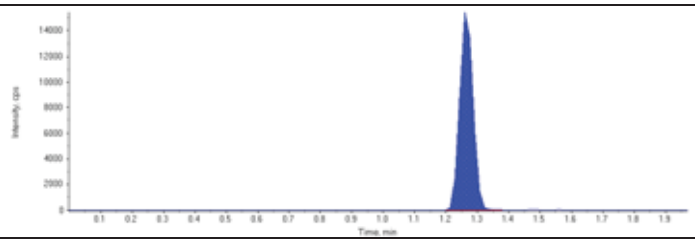
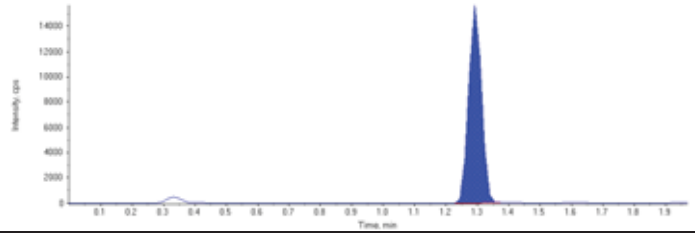
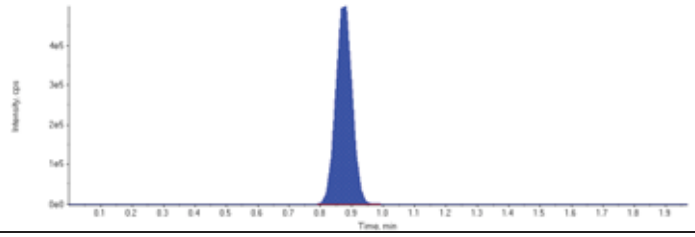
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 1.88 µg/L Area Ratio: 0.0342 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1.82 µg/L Area Ratio: 0.0356 Sample Type: (Unknown)	

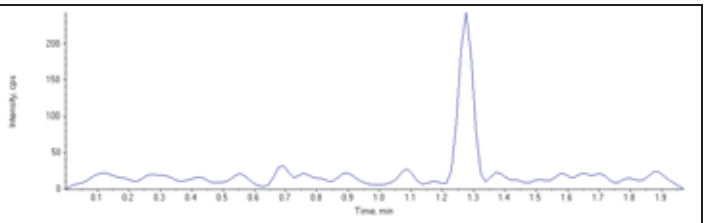
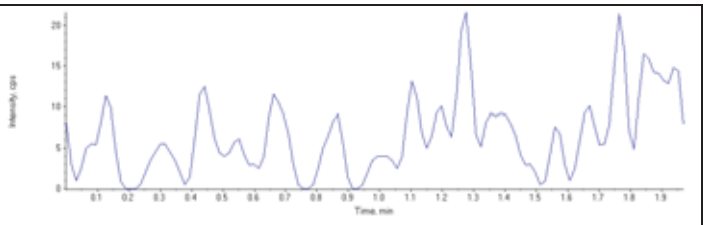
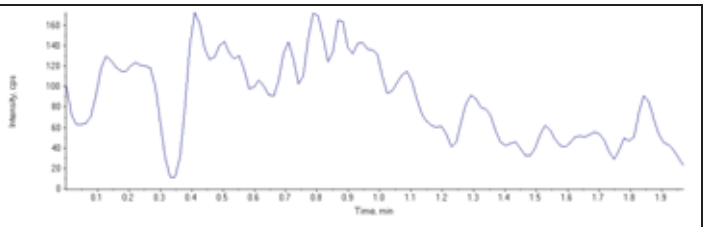
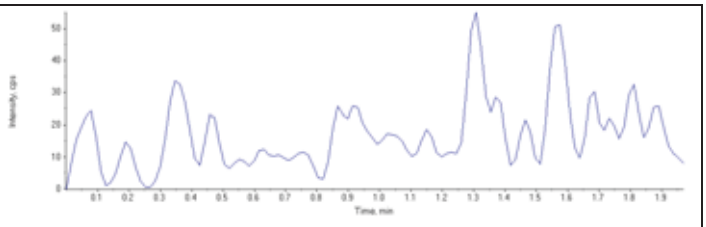
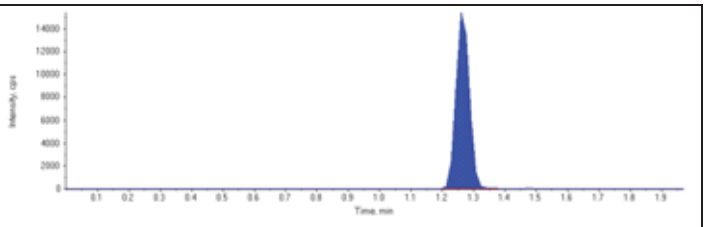
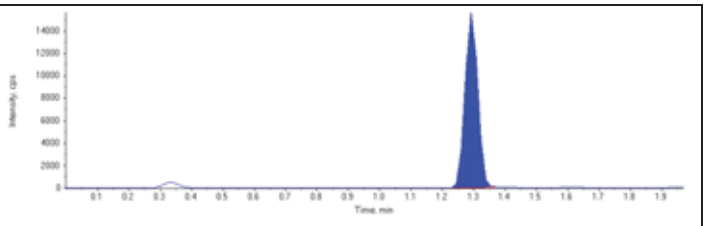
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.878 (0.912) min Calculated Conc: 2.53 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

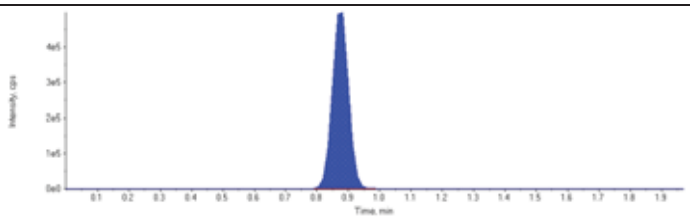
Sample ID	4988945~EJI412-01:50x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	27
Acquisition Date	2017/05/24 2:49:16 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	46000.	1.26	1.00	-
D5-EtFOSAA IS	44400.	1.29	1.00	-
13C9-PFDA IS	1830000.	0.875	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	46000	1.26	N/A	68.7	N/A
D5-EtFOSAA	44400	1.29	N/A	61.9	N/A
13C9-PFDA	1830000	0.875	N/A	131.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.26(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.875(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

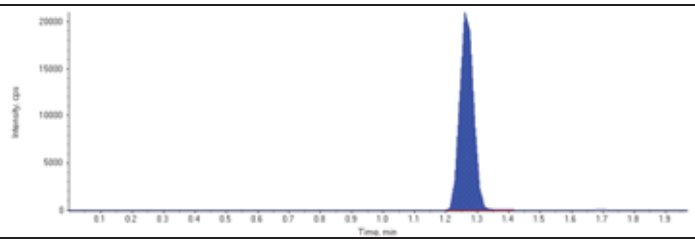
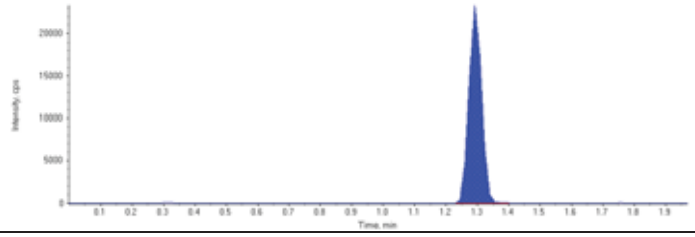
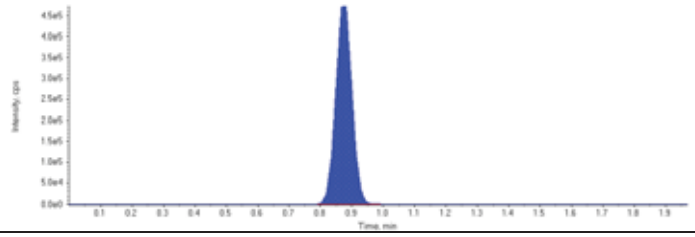
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.26 (1.26) min Calculated Conc: 68.7 µg/L Area Ratio: 0.0251 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 61.9 µg/L Area Ratio: 0.0242 Sample Type: (Unknown)	

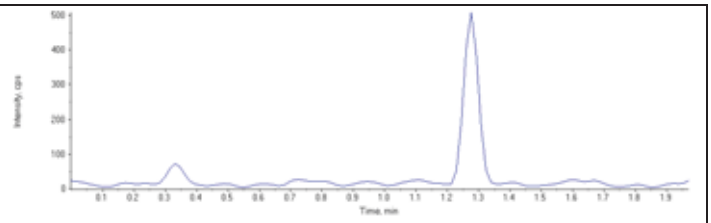
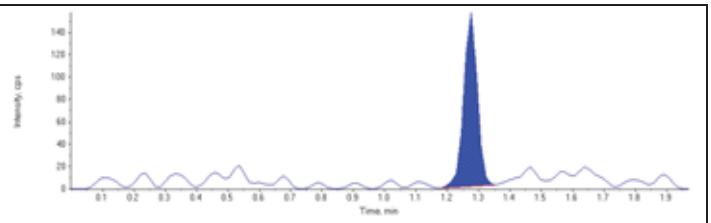
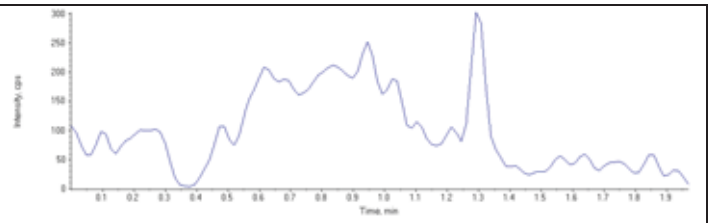
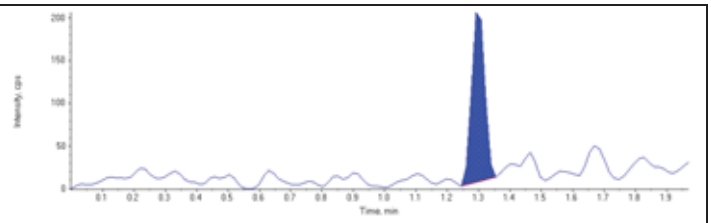
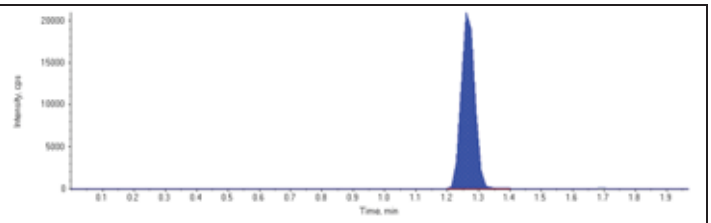
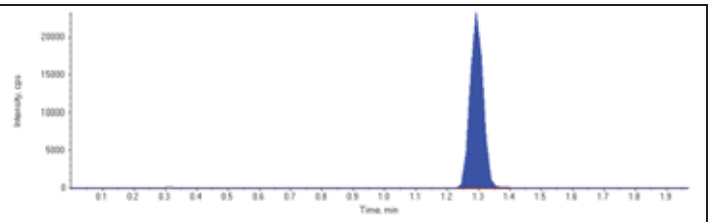
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.875 (0.912) min Calculated Conc: 131. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

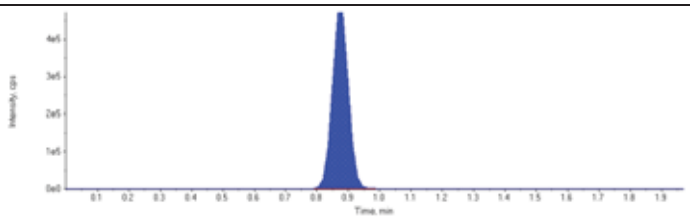
Sample ID	4988945~EJI412-01:10x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	28
Acquisition Date	2017/05/24 2:51:51 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	63500.	1.27	1.00	-
D5-EtFOSAA IS	65700.	1.29	1.00	-
13C9-PFDA IS	1740000.	0.874	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	467	1.27	N/A	0.00678	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	586	1.30	N/A	0.0299	N/A
D3-MeFOSAA	63500	1.27	N/A	20.0	N/A
D5-EtFOSAA	65700	1.29	N/A	19.3	N/A
13C9-PFDA	1740000	0.874	N/A	24.9	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.874(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

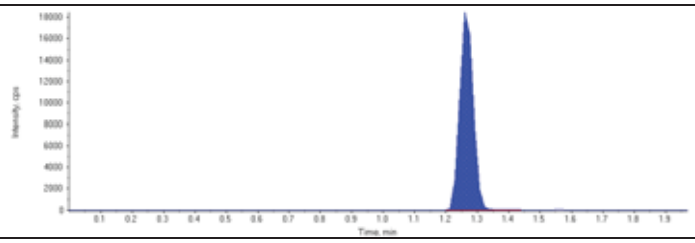
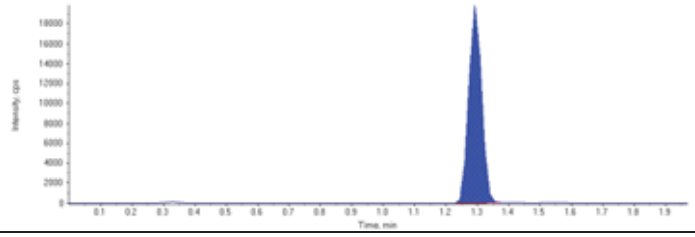
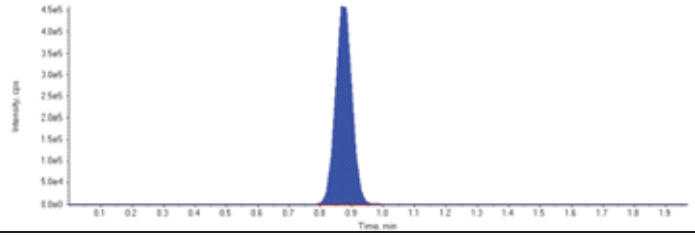
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 1.27 (1.27) min Calculated Conc: 0.00678 µg/L Area Ratio: 0.00736 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 1.30 (1.30) min Calculated Conc: 0.0299 µg/L Area Ratio: 0.00892 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 20.0 µg/L Area Ratio: 0.0364 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 19.3 µg/L Area Ratio: 0.0377 Sample Type: (Unknown)	

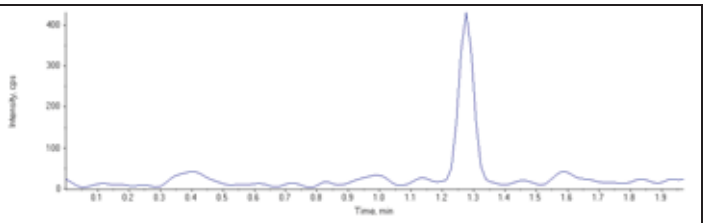
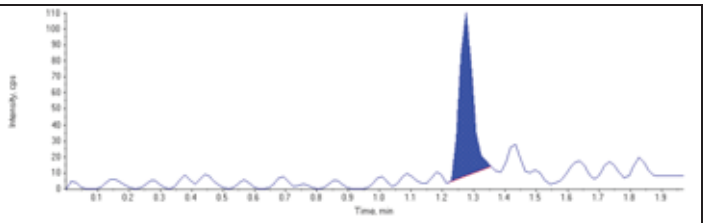
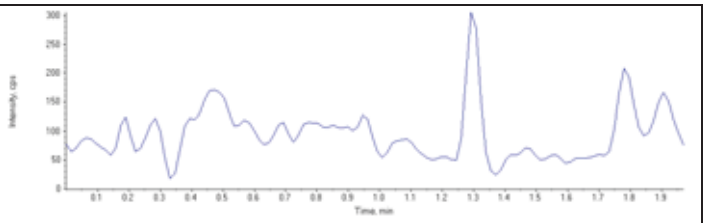
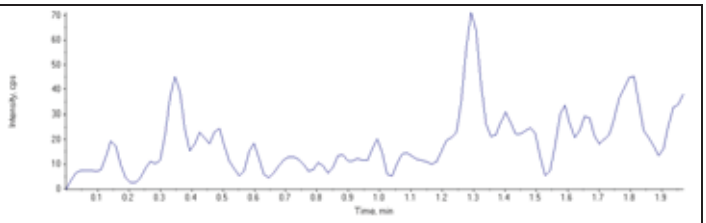
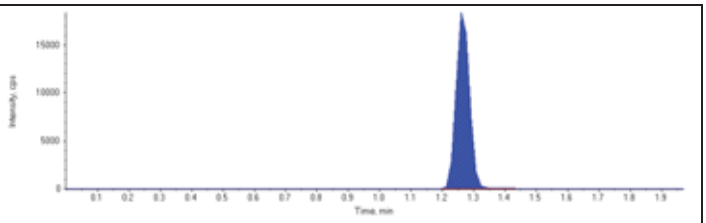
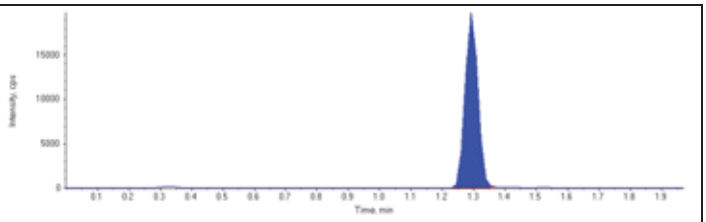
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.874 (0.912) min Calculated Conc: 24.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

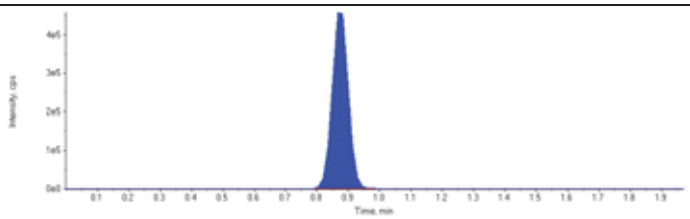
Sample ID	4988945~EJI420-01:50x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	29
Acquisition Date	2017/05/24 2:57:01 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	55100.	1.26	1.00	-
D5-EtFOSAA IS	56200.	1.29	1.00	-
13C9-PFDA IS	1680000.	0.874	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	294	1.27	N/A	0.0291	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	55100	1.26	N/A	89.8	N/A
D5-EtFOSAA	56200	1.29	N/A	85.3	N/A
13C9-PFDA	1680000	0.874	N/A	120.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.26(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.874(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

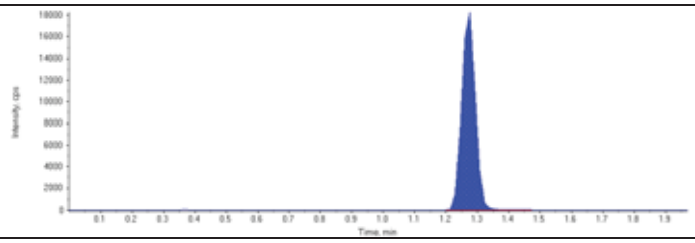
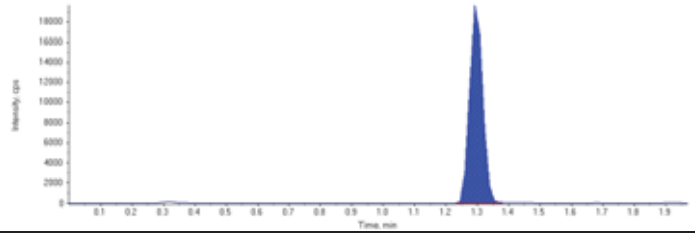
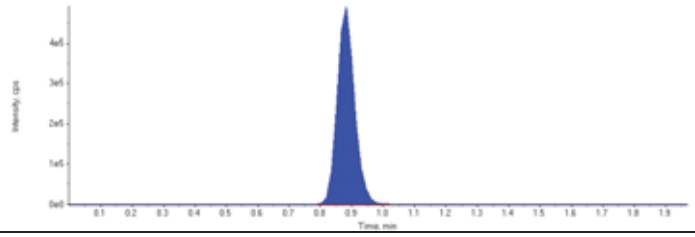
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 1.27 (1.27) min Calculated Conc: 0.0291 µg/L Area Ratio: 0.00534 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.26 (1.26) min Calculated Conc: 89.8 µg/L Area Ratio: 0.0328 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 85.3 µg/L Area Ratio: 0.0334 Sample Type: (Unknown)	

13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.874 (0.912) min Calculated Conc: 120. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

Sample ID	4988945~EJI420-01:10x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	30
Acquisition Date	2017/05/24 2:59:36 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	55500.	1.27	1.00	-
D5-EtFOSAA IS	57200.	1.30	1.00	-
13C9-PFDA IS	1870000.	0.880	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	479	1.28	N/A	0.00740	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	55500	1.27	N/A	16.2	N/A
D5-EtFOSAA	57200	1.30	N/A	15.6	N/A
13C9-PFDA	1870000	0.880	N/A	26.8	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.30(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.880(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

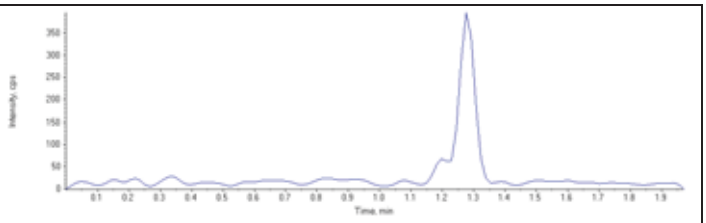
MeFOSAA 1 (570.100/419.100 Da)

RT (Exp. RT): 0.00 (1.28) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



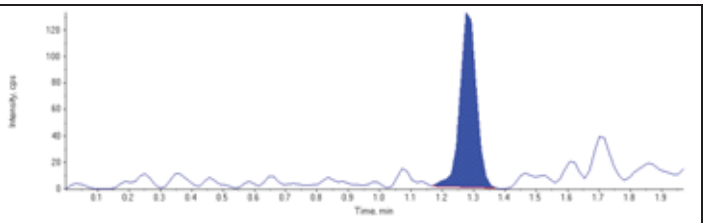
MeFOSAA 2 (570.100/483.000 Da)

RT (Exp. RT): 1.28 (1.27) min

Calculated Conc: 0.00740 µg/L

Area Ratio: 0.00864

Sample Type: (Unknown)



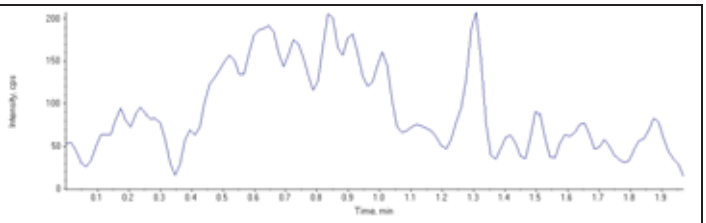
EtFOSAA 1 (584.100/419.100 Da)

RT (Exp. RT): 0.00 (1.30) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



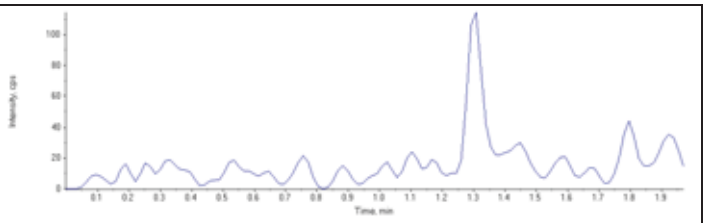
EtFOSAA 2 (584.100/483.000 Da)

RT (Exp. RT): 0.00 (1.30) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



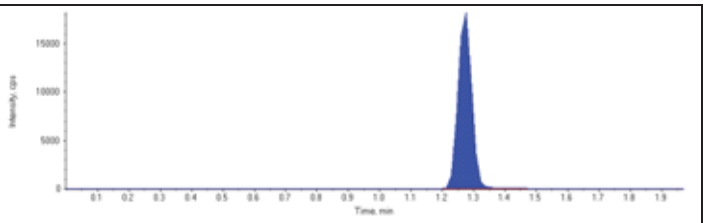
D3-MeFOSAA (573.100/419.100 Da)

RT (Exp. RT): 1.27 (1.26) min

Calculated Conc: 16.2 µg/L

Area Ratio: 0.0296

Sample Type: (Unknown)



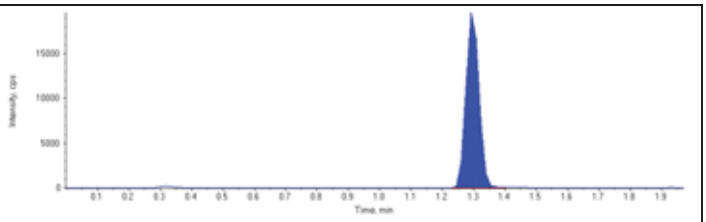
D5-EtFOSAA (589.200/419.000 Da)

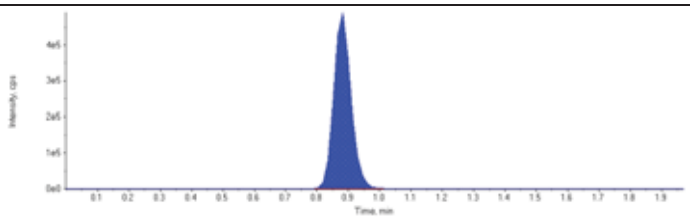
RT (Exp. RT): 1.30 (1.28) min

Calculated Conc: 15.6 µg/L

Area Ratio: 0.0305

Sample Type: (Unknown)

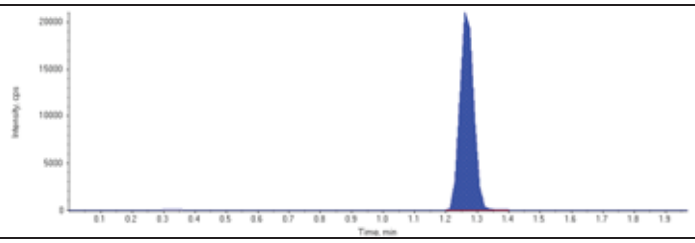
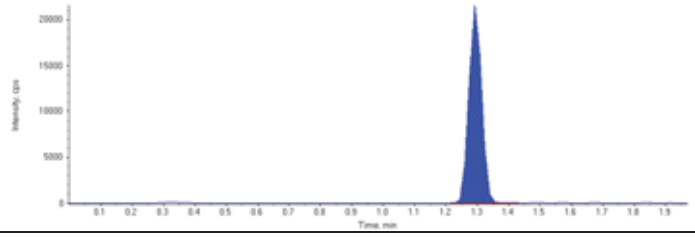
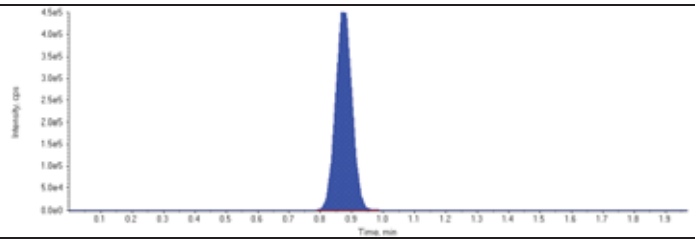


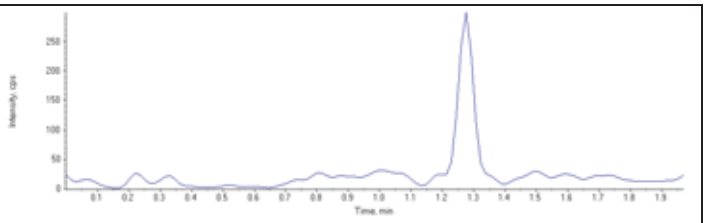
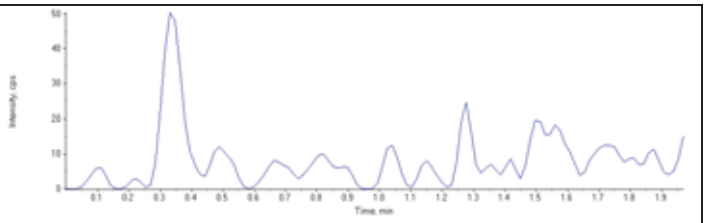
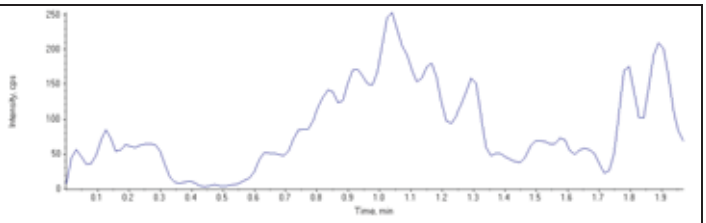
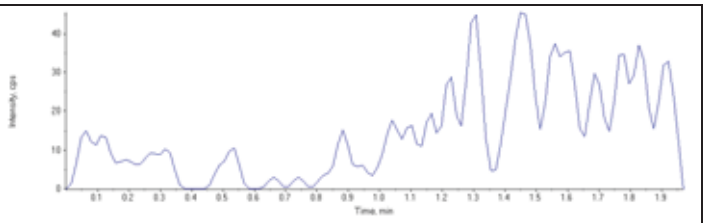
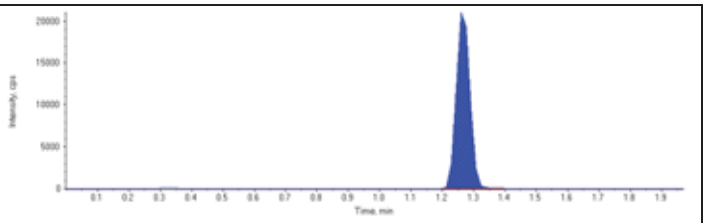
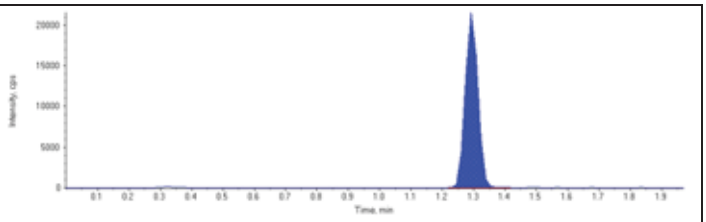
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.880 (0.912) min Calculated Conc: 26.8 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

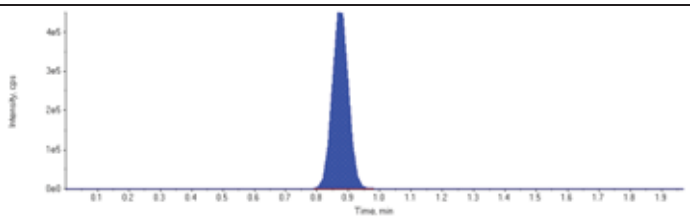
Sample ID	4988945~EJI422-01	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	31
Acquisition Date	2017/05/24 3:04:46 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	64100.	1.27	1.00	-
D5-EtFOSAA IS	60900.	1.29	1.00	-
13C9-PFDA IS	1670000.	0.874	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	64100	1.27	N/A	2.11	N/A
D5-EtFOSAA	60900	1.29	N/A	1.87	N/A
13C9-PFDA	1670000	0.874	N/A	2.38	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.874(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

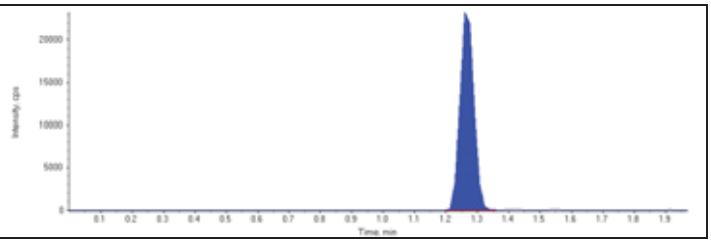
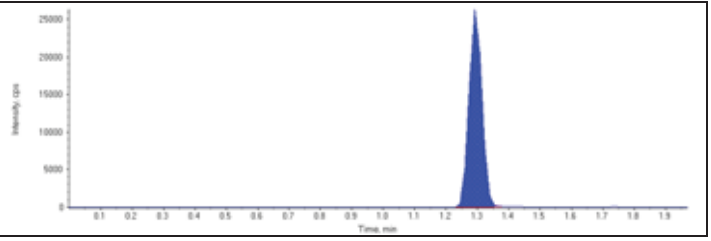
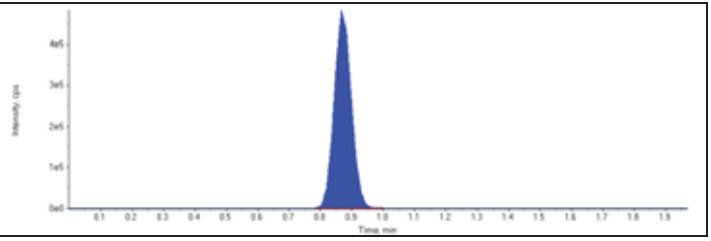
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 2.11 µg/L Area Ratio: 0.0385 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1.87 µg/L Area Ratio: 0.0366 Sample Type: (Unknown)	

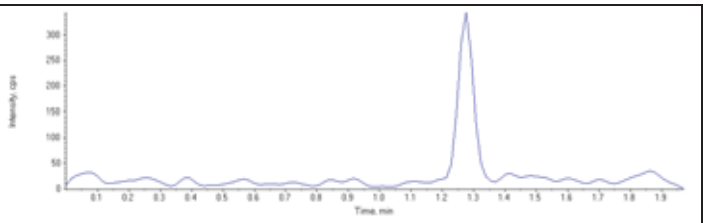
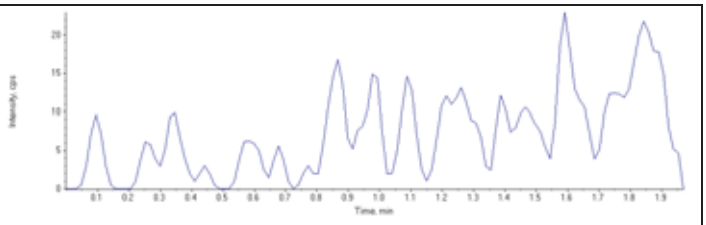
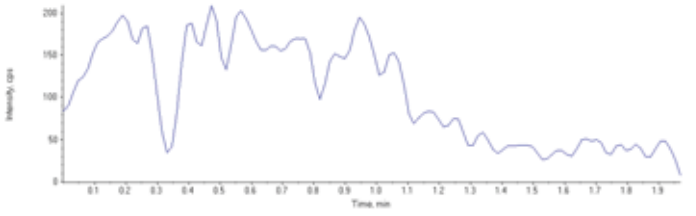
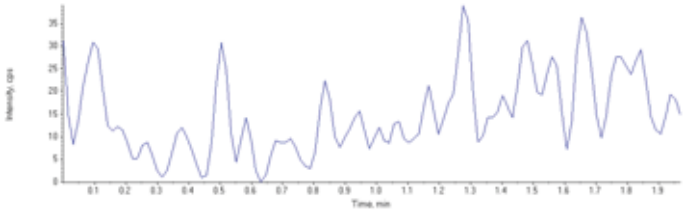
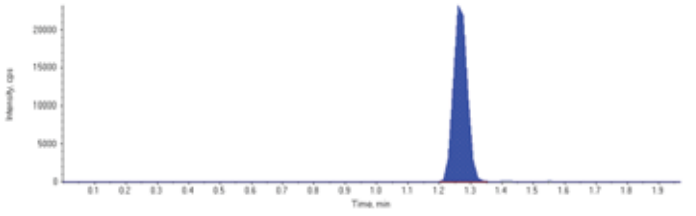
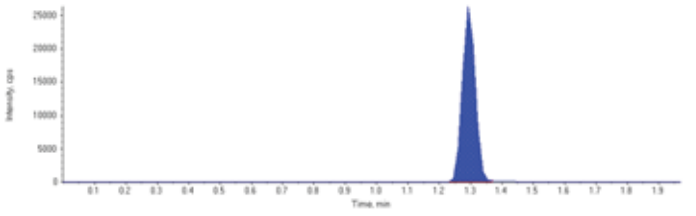
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.874 (0.912) min Calculated Conc: 2.38 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

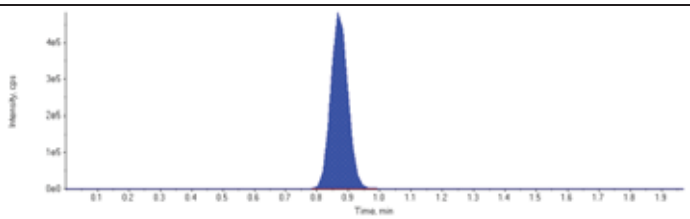
Sample ID	4988945~EJI426-01:1000x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	32
Acquisition Date	2017/05/24 3:07:21 AM	**Dilution Factor**	24.0
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	71600.	1.27	1.00	-
D5-EtFOSAA IS	75500.	1.29	1.00	-
13C9-PFDA IS	1820000.	0.870	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	71600	1.27	N/A	2150.	N/A
D5-EtFOSAA	75500	1.29	N/A	2120.	N/A
13C9-PFDA	1820000	0.870	N/A	2610.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.870(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

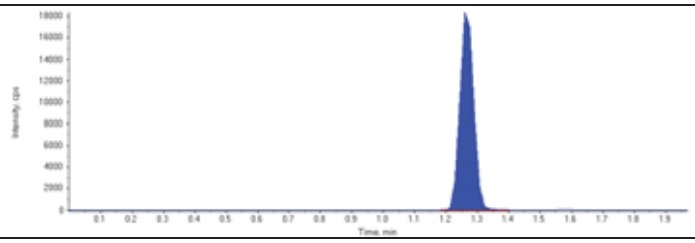
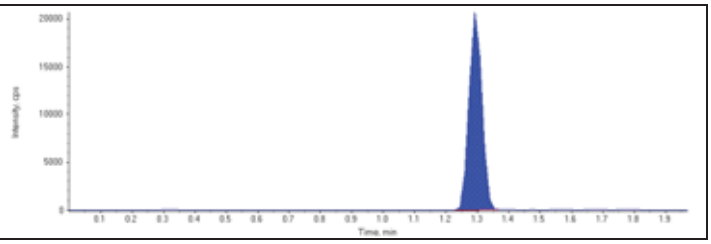
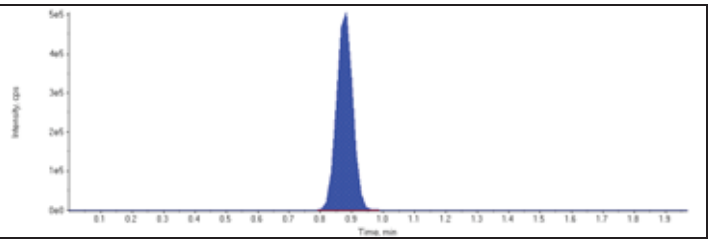
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 2150. µg/L Area Ratio: 0.0393 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 2120. µg/L Area Ratio: 0.0413 Sample Type: (Unknown)	

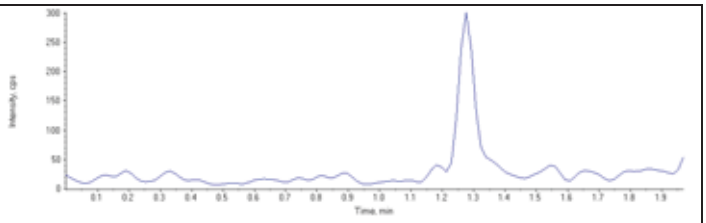
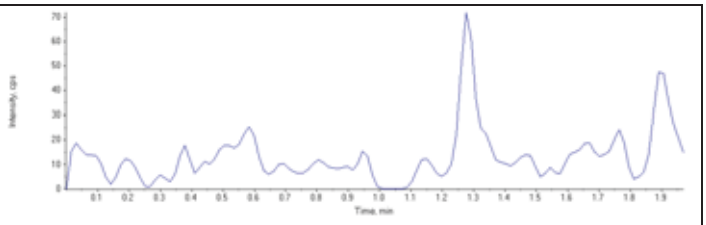
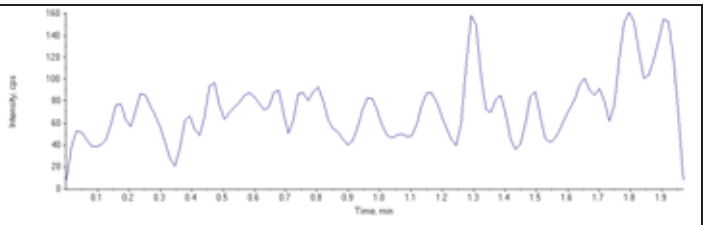
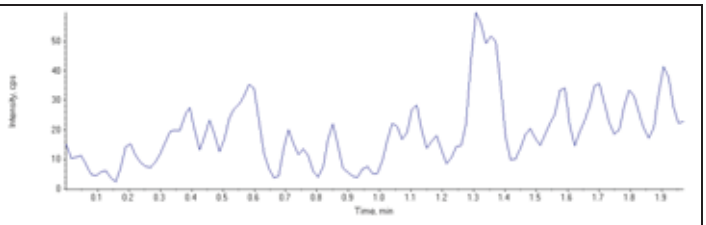
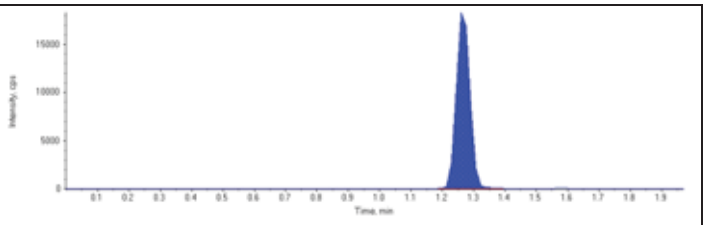
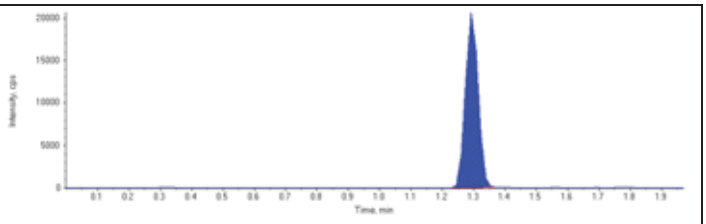
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.870 (0.912) min Calculated Conc: 2610. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

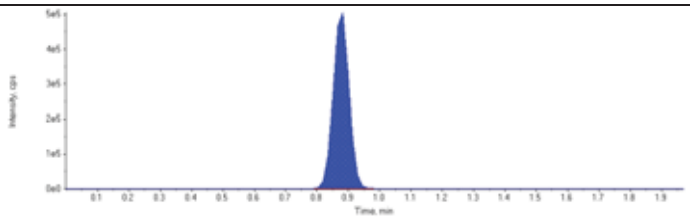
Sample ID	4988945~EJI426-01:100x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	33
Acquisition Date	2017/05/24 3:17:41 AM	**Dilution Factor**	2.40
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	56300.	1.27	1.00	-
D5-EtFOSAA IS	58600.	1.29	1.00	-
13C9-PFDA IS	1800000.	0.877	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	56300	1.27	N/A	172.	N/A
D5-EtFOSAA	58600	1.29	N/A	166.	N/A
13C9-PFDA	1800000	0.877	N/A	257.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.877(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

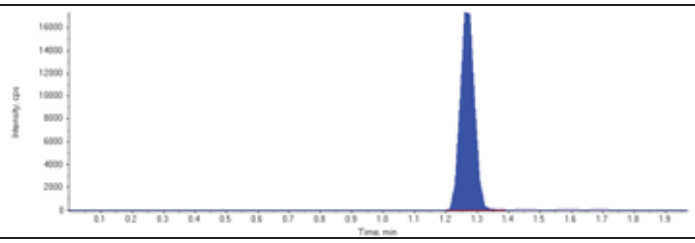
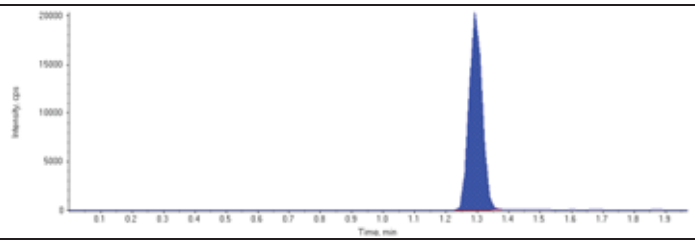
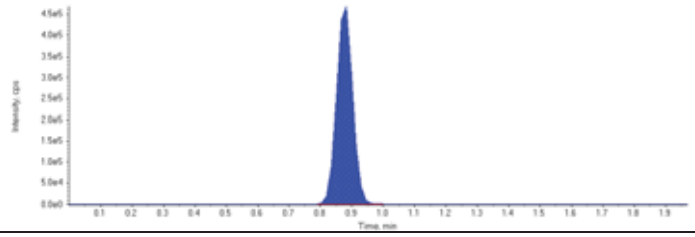
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 172. µg/L Area Ratio: 0.0313 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 166. µg/L Area Ratio: 0.0325 Sample Type: (Unknown)	

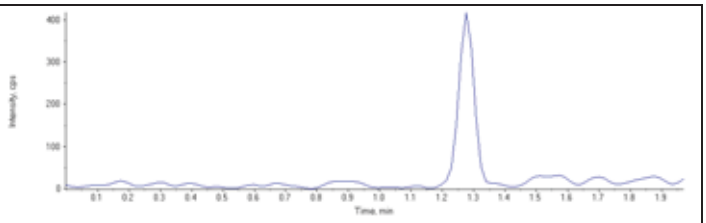
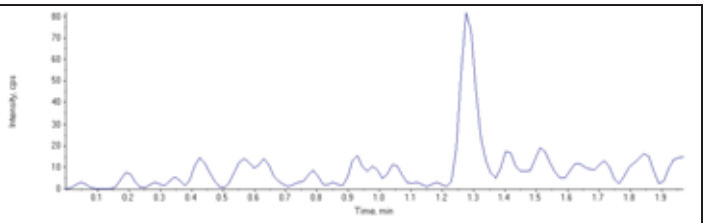
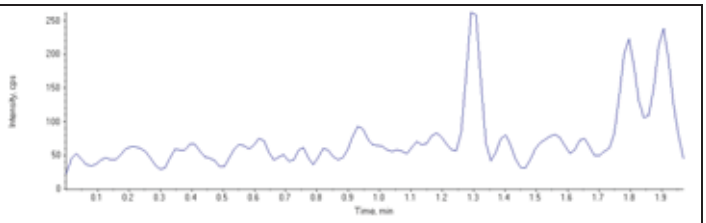
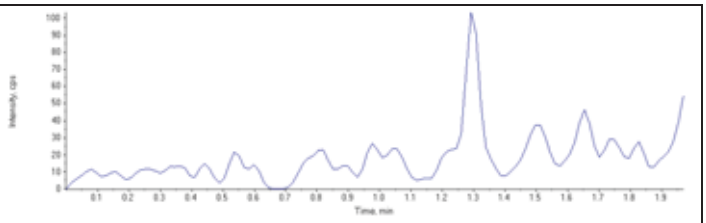
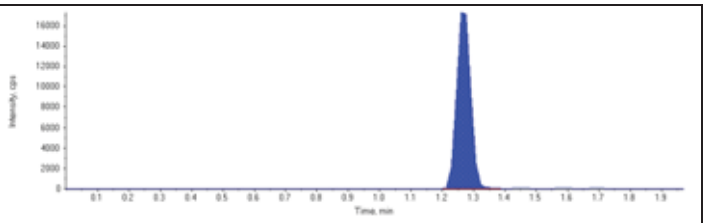
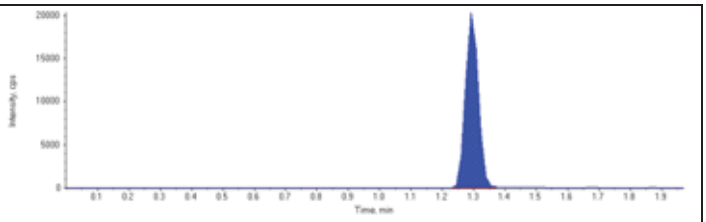
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.877 (0.912) min Calculated Conc: 257. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

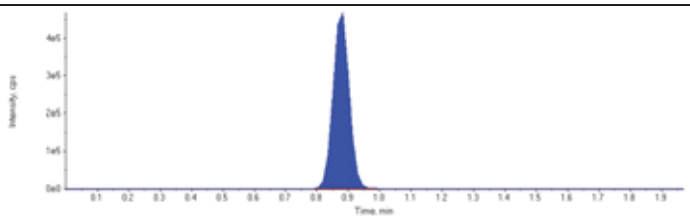
Sample ID	4988945~EJI427-01	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	34
Acquisition Date	2017/05/24 3:22:52 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	54900.	1.27	1.00	-
D5-EtFOSAA IS	58200.	1.29	1.00	-
13C9-PFDA IS	1690000.	0.877	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	54900	1.27	N/A	1.78	N/A
D5-EtFOSAA	58200	1.29	N/A	1.76	N/A
13C9-PFDA	1690000	0.877	N/A	2.42	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.877(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

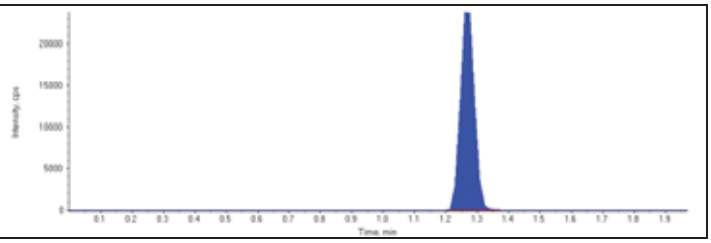
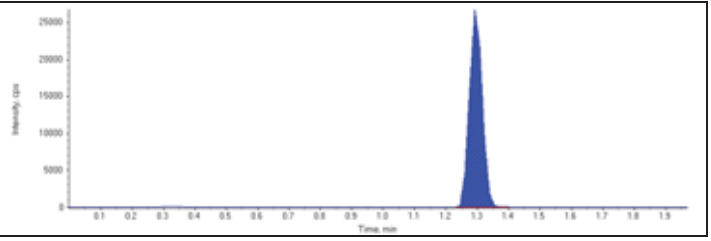
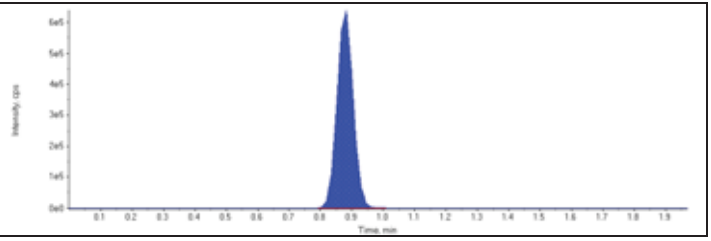
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 1.78 µg/L Area Ratio: 0.0325 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1.76 µg/L Area Ratio: 0.0344 Sample Type: (Unknown)	

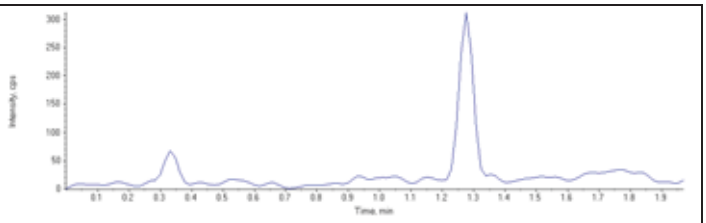
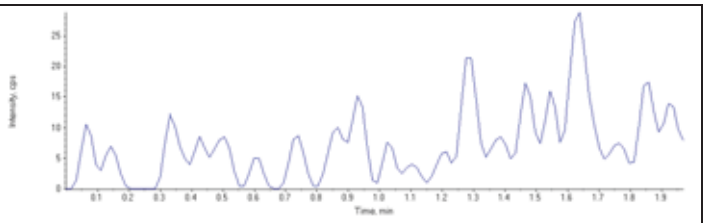
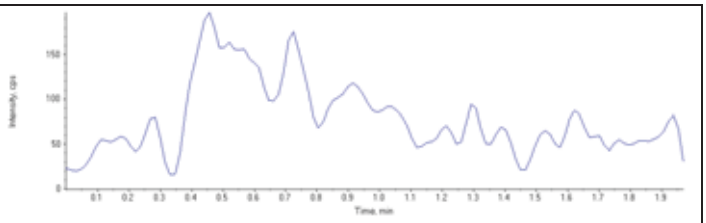
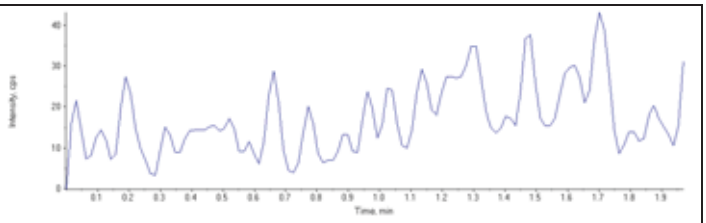
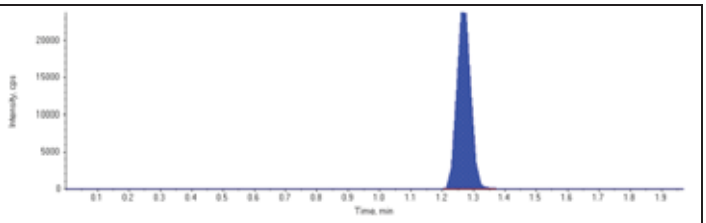
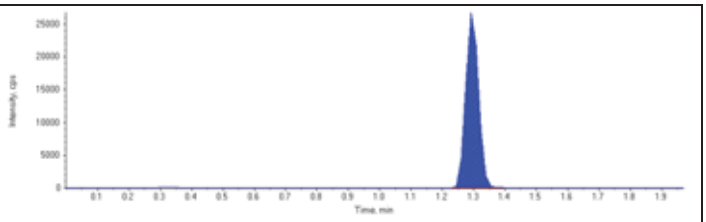
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.877 (0.912) min Calculated Conc: 2.42 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

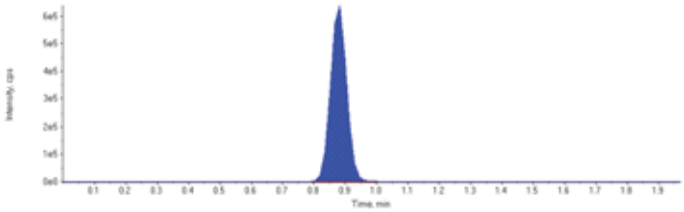
Sample ID	4988945~EJI430-01:50x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	35
Acquisition Date	2017/05/24 3:25:27 AM	**Dilution Factor**	1.20
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	Not used		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	75600.	1.27	1.00	-
D5-EtFOSAA IS	76500.	1.29	1.00	-
13C9-PFDA IS	2300000.	0.878	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	75600	1.27	N/A	90.2	N/A
D5-EtFOSAA	76500	1.29	N/A	85.2	N/A
13C9-PFDA	2300000	0.878	N/A	164.	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.878(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

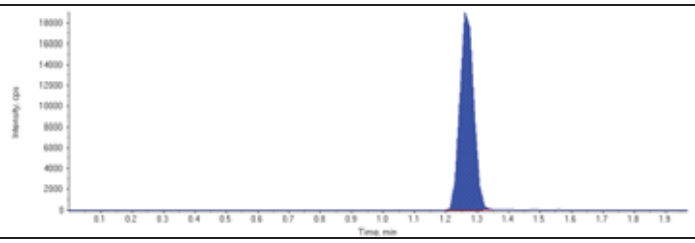
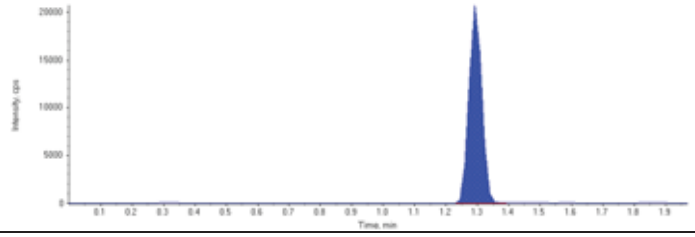
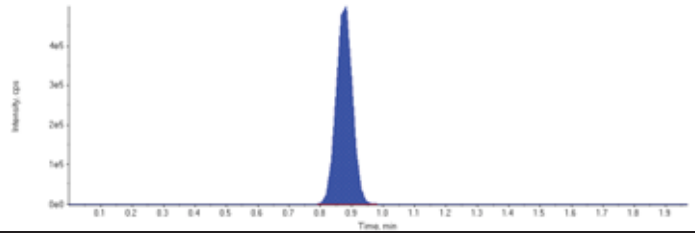
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 90.2 µg/L Area Ratio: 0.0329 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 85.2 µg/L Area Ratio: 0.0333 Sample Type: (Unknown)	

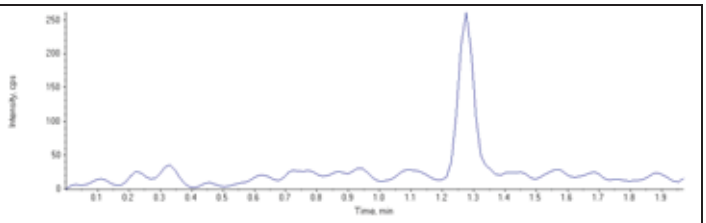
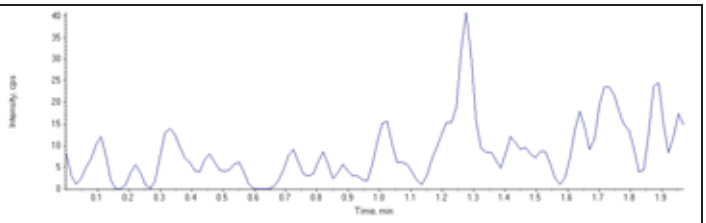
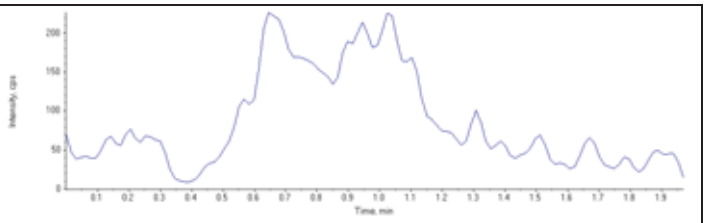
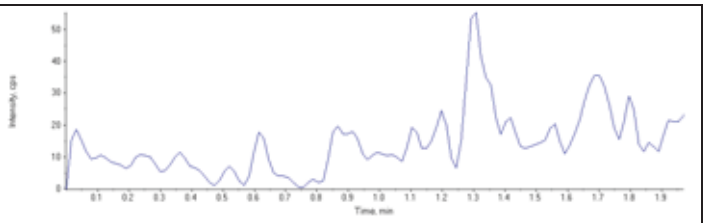
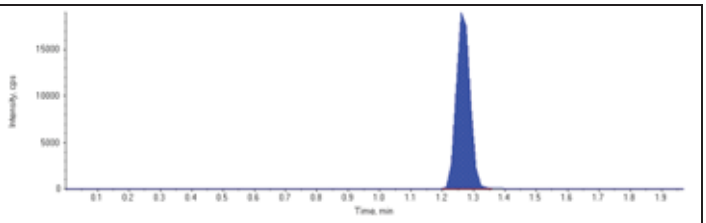
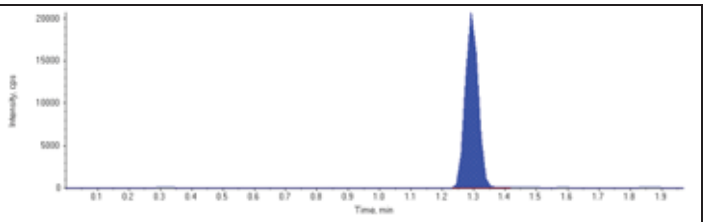
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.878 (0.912) min Calculated Conc: 164. µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

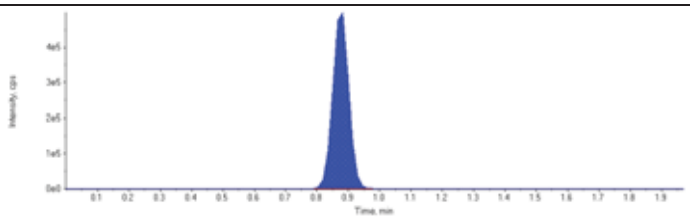
Sample ID	4988945~EJI430-01:10x	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	36
Acquisition Date	2017/05/24 3:28:02 AM	**Dilution Factor**	0.240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	58000.	1.27	1.00	-
D5-EtFOSAA IS	58600.	1.29	1.00	-
13C9-PFDA IS	1810000.	0.876	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	0	0.00	N/A	N/A	N/A
EtFOSAA 1	0	0.00	N/A	N/A	N/A
EtFOSAA 2	0	0.00	N/A	N/A	N/A
D3-MeFOSAA	58000	1.27	N/A	17.6	N/A
D5-EtFOSAA	58600	1.29	N/A	16.6	N/A
13C9-PFDA	1810000	0.876	N/A	25.9	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.876(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

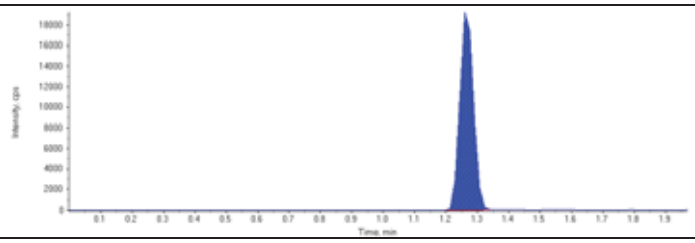
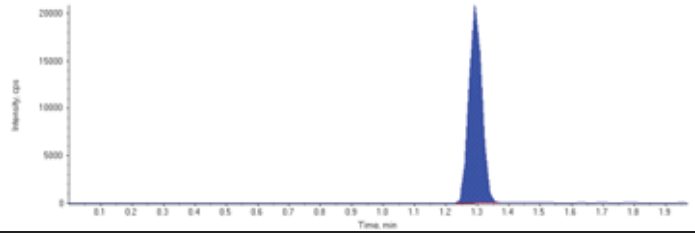
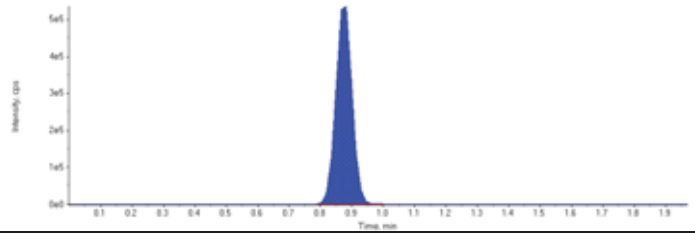
MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 0.00 (1.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 0.00 (1.30) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 17.6 µg/L Area Ratio: 0.0320 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 16.6 µg/L Area Ratio: 0.0324 Sample Type: (Unknown)	

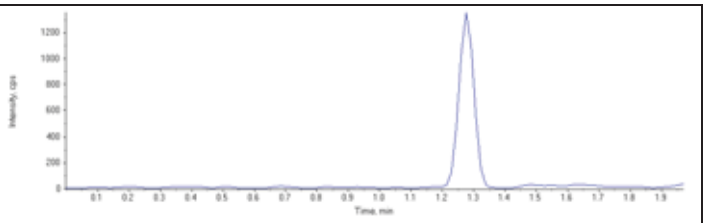
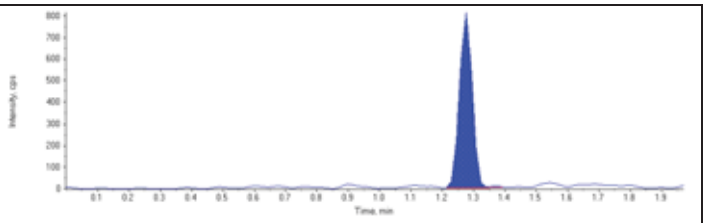
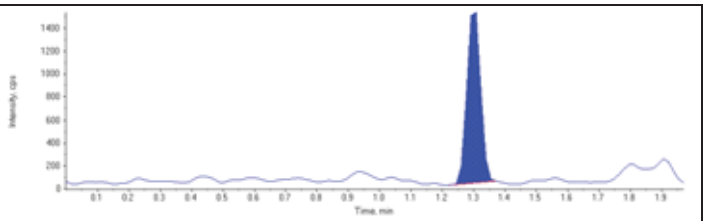
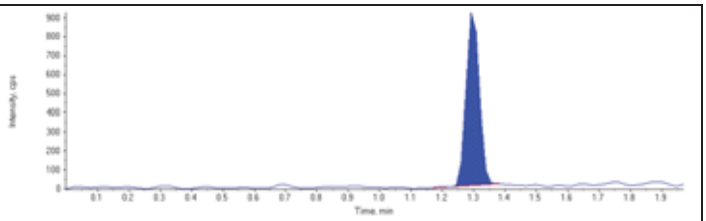
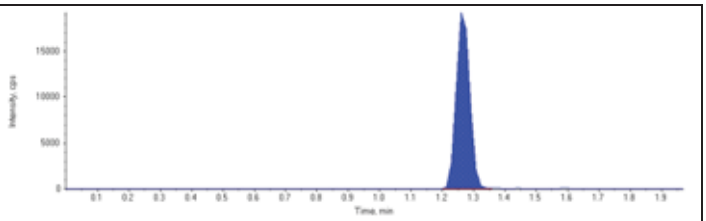
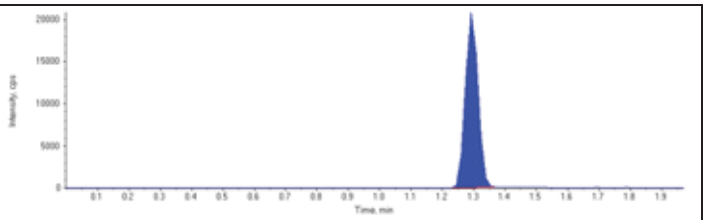
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.876 (0.912) min Calculated Conc: 25.9 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

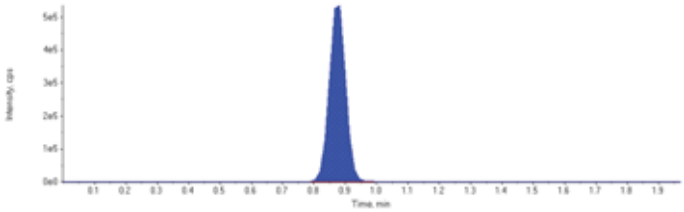
Sample ID	4988945~EJI432-01	**Injection Volume (µL)**	2
Sample Type	Unknown	**Injection Vial**	37
Acquisition Date	2017/05/24 3:33:12 AM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low_FOSAA.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945_FOSAA.wiff		
Result Table	PFC_Water_170523_4988945_FOSAA.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
D3-MeFOSAA IS	58200.	1.27	1.00	-
D5-EtFOSAA IS	58900.	1.29	1.00	-
13C9-PFDA IS	1970000.	0.875	1.00	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
MeFOSAA 1	0	0.00	N/A	N/A	N/A
MeFOSAA 2	2320	1.28	N/A	0.00224	N/A
EtFOSAA 1	4590	1.30	N/A	0.00636	N/A
EtFOSAA 2	2680	1.30	N/A	0.00472	N/A
D3-MeFOSAA	58200	1.27	N/A	1.62	N/A
D5-EtFOSAA	58900	1.29	N/A	1.53	N/A
13C9-PFDA	1970000	0.875	N/A	2.82	N/A

D3-MeFOSAA IS (Internal Standard) RT (Exp. RT): 1.27(1.26) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
D5-EtFOSAA IS (Internal Standard) RT (Exp. RT): 1.29(1.28) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 0.875(0.912) min Concentration: 1.00 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

MeFOSAA 1 (570.100/419.100 Da) RT (Exp. RT): 0.00 (1.28) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
MeFOSAA 2 (570.100/483.000 Da) RT (Exp. RT): 1.28 (1.27) min Calculated Conc: 0.00224 µg/L Area Ratio: 0.0398 Sample Type: (Unknown)	
EtFOSAA 1 (584.100/419.100 Da) RT (Exp. RT): 1.30 (1.30) min Calculated Conc: 0.00636 µg/L Area Ratio: 0.0779 Sample Type: (Unknown)	
EtFOSAA 2 (584.100/483.000 Da) RT (Exp. RT): 1.30 (1.30) min Calculated Conc: 0.00472 µg/L Area Ratio: 0.0456 Sample Type: (Unknown)	
D3-MeFOSAA (573.100/419.100 Da) RT (Exp. RT): 1.27 (1.26) min Calculated Conc: 1.62 µg/L Area Ratio: 0.0295 Sample Type: (Unknown)	
D5-EtFOSAA (589.200/419.000 Da) RT (Exp. RT): 1.29 (1.28) min Calculated Conc: 1.53 µg/L Area Ratio: 0.0298 Sample Type: (Unknown)	

13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 0.875 (0.912) min Calculated Conc: 2.82 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	



4. QA/QC Data

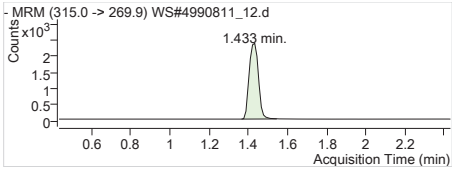
Maxxam Analytics International
6740 Campobello Rd
Mississauga, Ontario, Canada
L5N 2L8
1-800-668-0639
www.maxxamanalytics.com

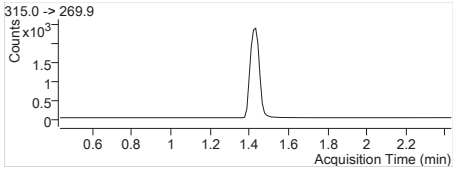
Batch Path T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_12.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/24 9:11:43 PM	**Injection Volume**	Per Method
Sample Annotation	-		

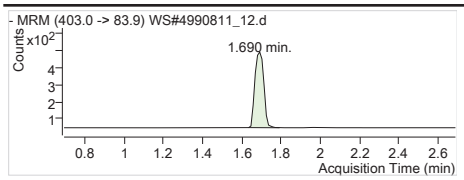
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7745	1.43	1 µg/Kg		
MPFHxS	1401	1.69	1 µg/Kg		
MPFHpA	9533	1.69	1 µg/Kg		
MPFOA	8773	1.87	1 µg/Kg		
MPFOS	1916	1.98	1 µg/Kg		
MPFNA	7975	2.01	1 µg/Kg		
MPFDA	7231	2.13	1 µg/Kg		
MPFUnA	8139	2.23	1 µg/Kg		
MPFDoA	9659	2.31	1 µg/Kg		
MPFTeDA	11159	2.46	1 µg/Kg		
M2 6:2 FTS	2202	1.83	1 µg/Kg		
M2 8:2 FTS	2213	2.10	1 µg/Kg		
13C6-PFHxA IS	42753	1.43	1 µg/Kg		
13C9-PFDA IS	38628	2.13	1 µg/Kg		

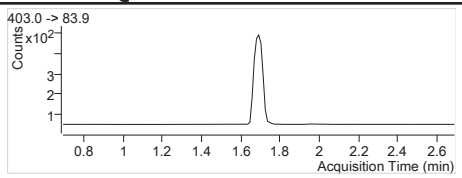
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1	664	2.39	-	0.16 µg/Kg	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7745	1.43	-	94.07 µg/Kg	-
18O2-PFHxS	1401	1.69	-	91.82 µg/Kg	-
13C4-PFHpA	9533	1.69	-	106.13 µg/Kg	-
13C4-PFOA	8773	1.87	-	101.25 µg/Kg	-
13C4-PFOS	1916	1.98	-	102.14 µg/Kg	-
13C5-PFNA	7975	2.01	-	91.06 µg/Kg	-
13C2-PFDA	7231	2.13	-	99.88 µg/Kg	-
13C2-PFUnA	8139	2.23	-	97.47 µg/Kg	-
13C2-PFDoA	9659	2.31	-	100.87 µg/Kg	-
13C2-PFTeDA	11159	2.46	-	94.82 µg/Kg	-
13C2-6:2-FTS	2202	1.83	-	105.50 µg/Kg	-
13C2-8:2 FTS	2213	2.10	-	102.80 µg/Kg	-
13C6-PFHxA	42753	1.43	-	140.95 µg/Kg	-
13C9-PFDA	38628	2.13	-	140.98 µg/Kg	-



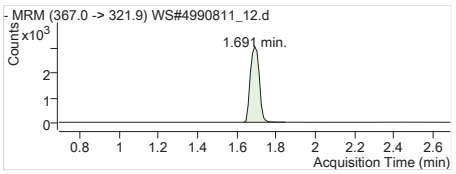


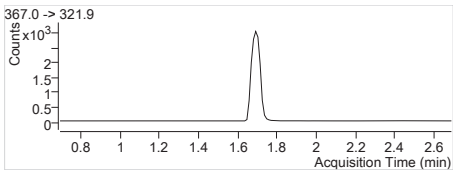
MPFHxA Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



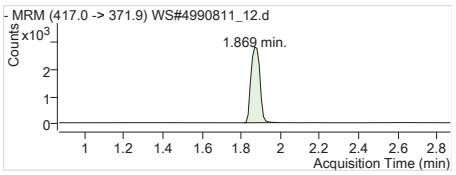


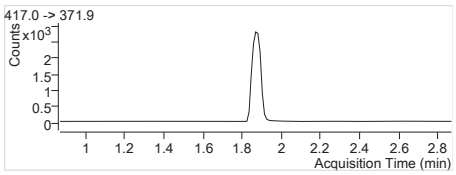
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



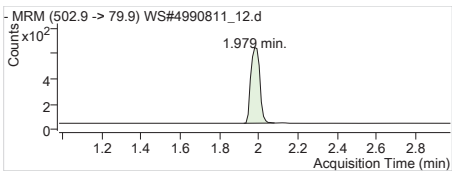


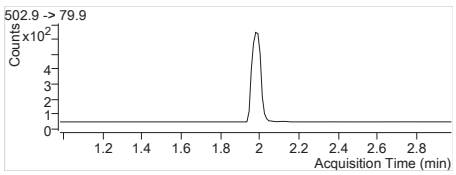
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



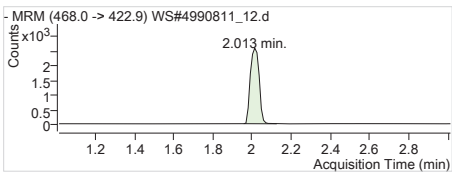


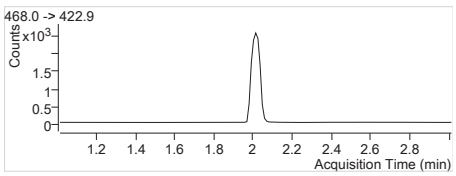
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



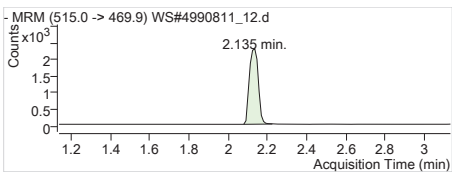


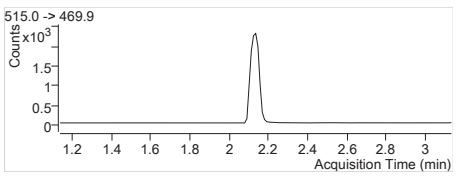
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



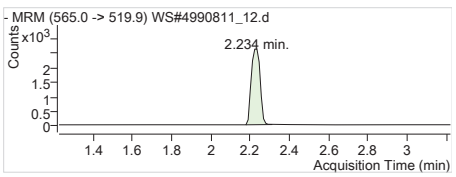


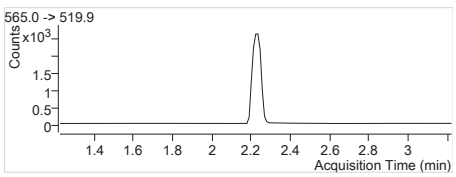
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



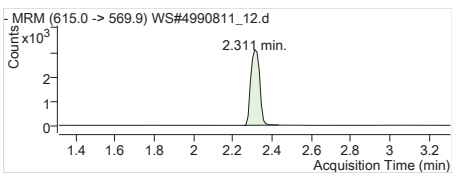


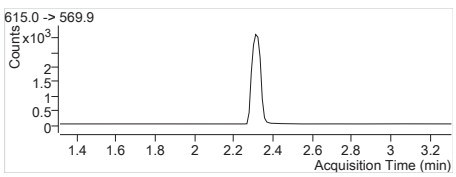
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



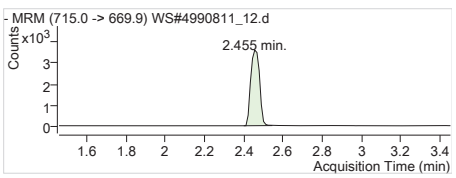


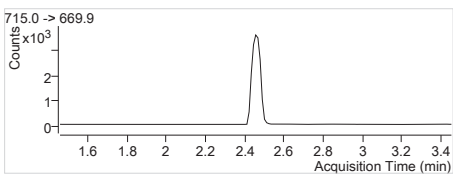
MPFUnA Internal Standard
RT (Exp. RT): 2.234 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



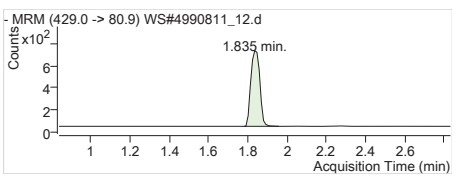


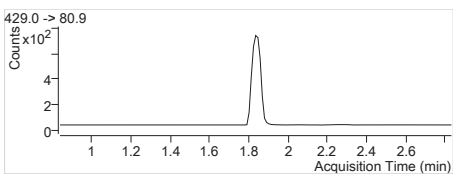
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



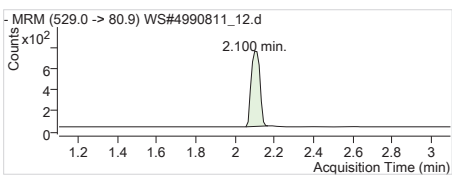


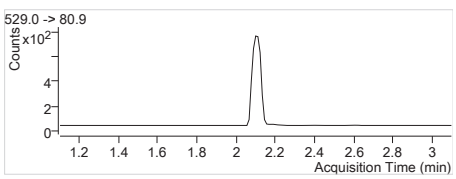
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



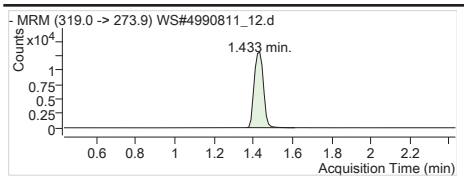


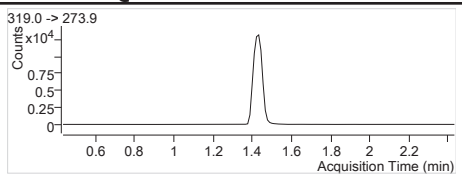
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



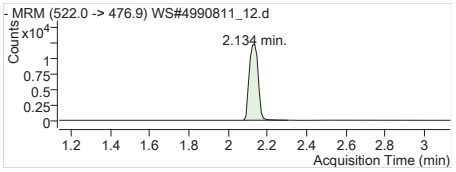


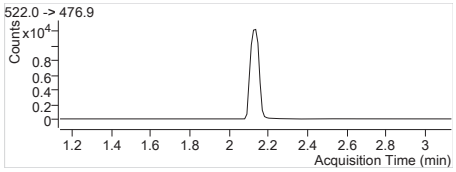
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



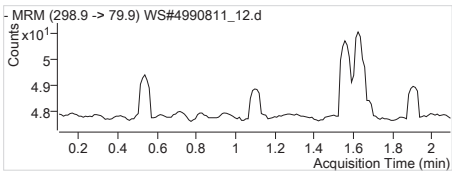


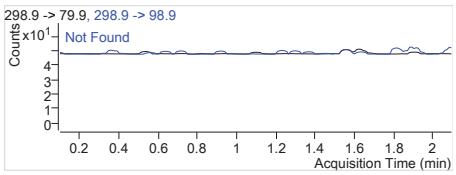
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



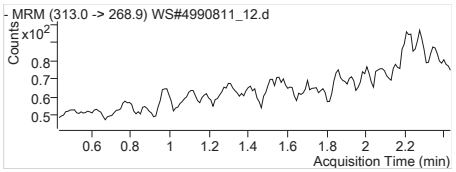


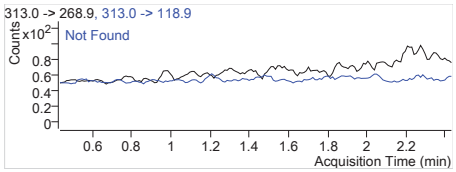
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



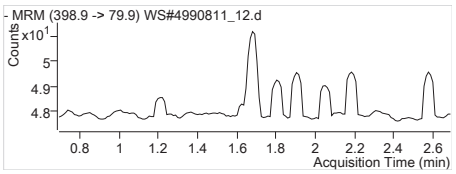


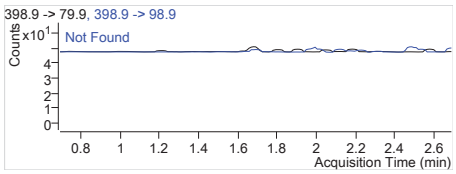
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



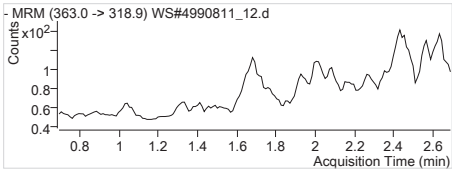


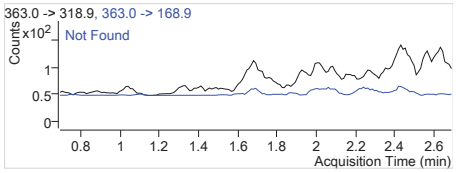
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



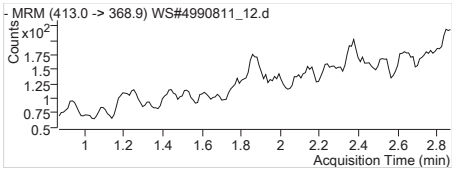


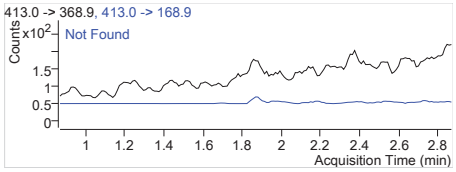
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



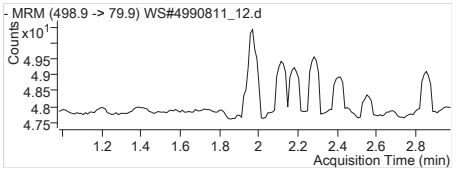


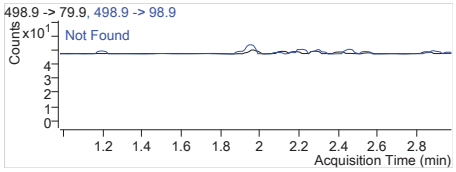
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



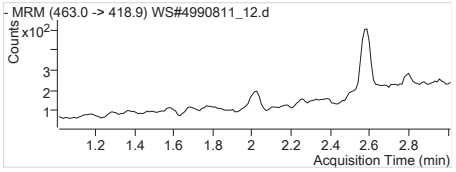


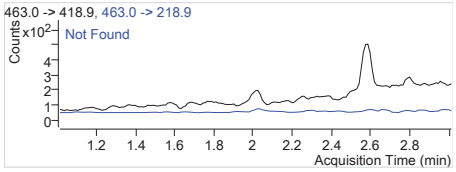
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



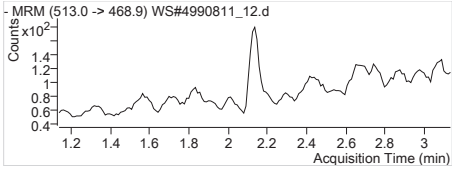


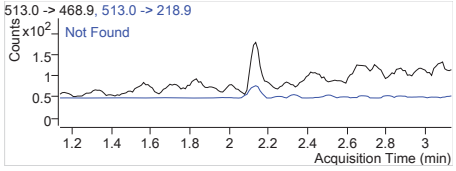
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



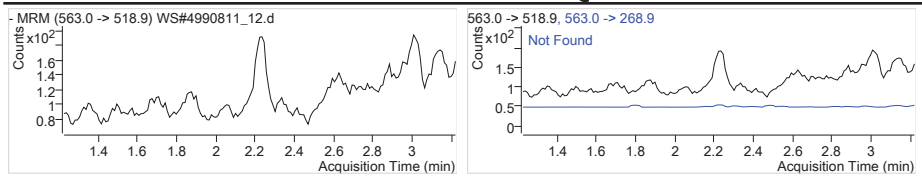


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

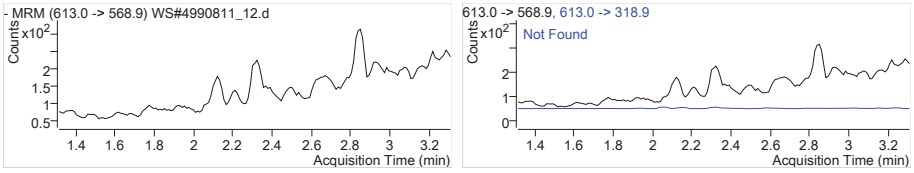




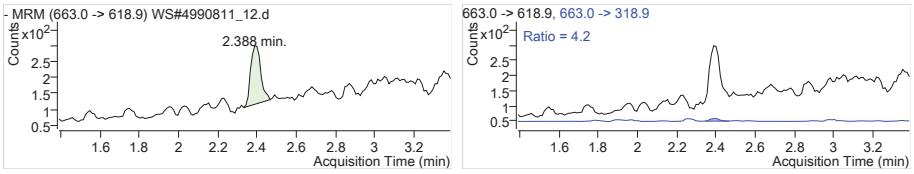
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



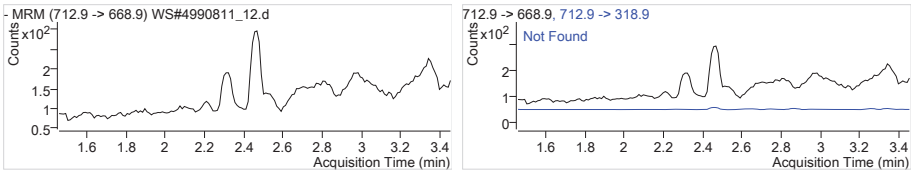
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



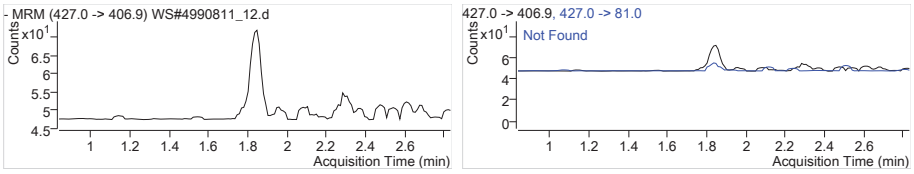
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



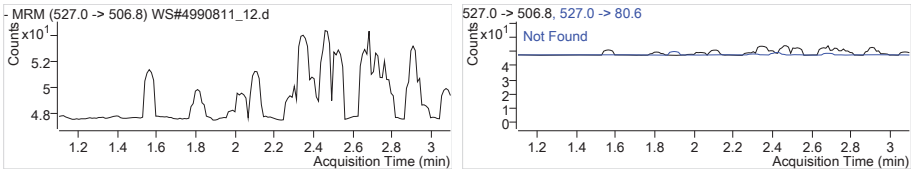
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 0.16 µg/Kg
Area ratio: 0.05950
Sample type: Sample



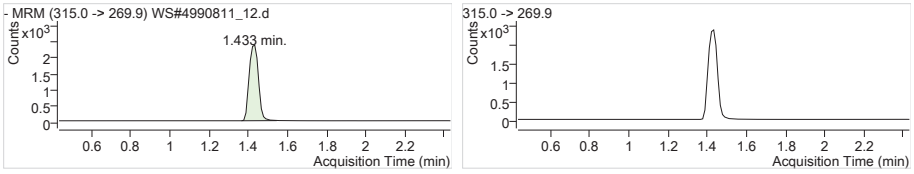
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



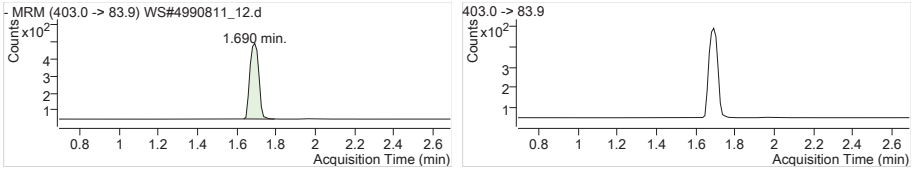
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



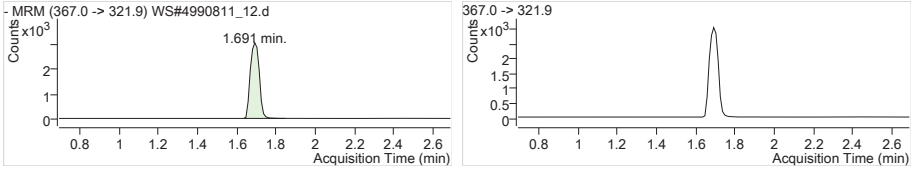
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



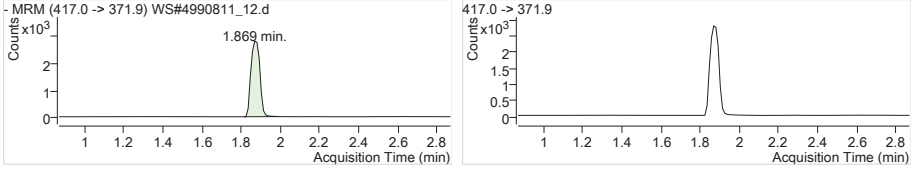
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 94.07 µg/Kg
Area ratio: 0.18116
Sample type: Sample



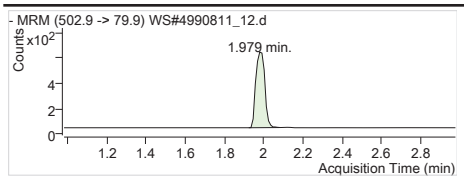
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 91.82 µg/Kg
Area ratio: 0.03277
Sample type: Sample

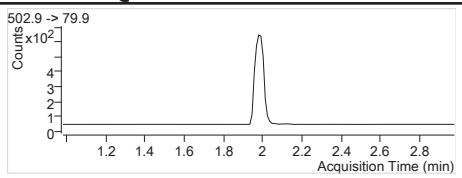


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 106.13 µg/Kg
Area ratio: 0.22298
Sample type: Sample

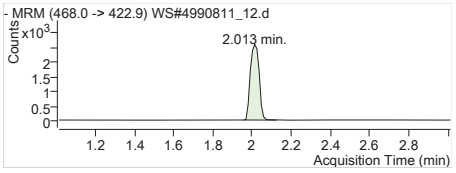


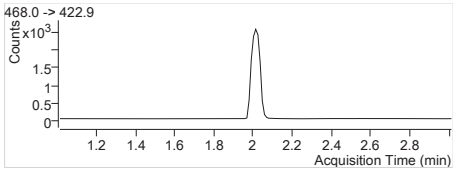
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 101.25 µg/Kg
Area ratio: 0.20520
Sample type: Sample



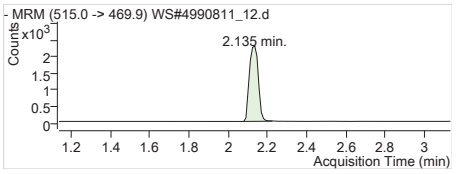


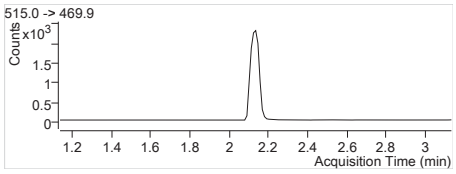
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 102.14 µg/Kg
Area ratio: 0.04482
Sample type: Sample



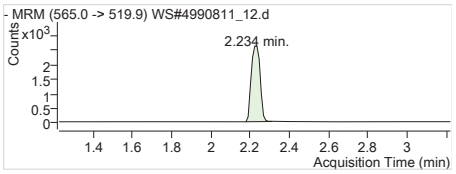


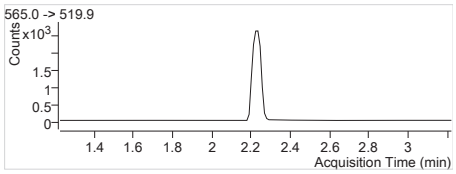
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 91.06 µg/Kg
Area ratio: 0.18654
Sample type: Sample



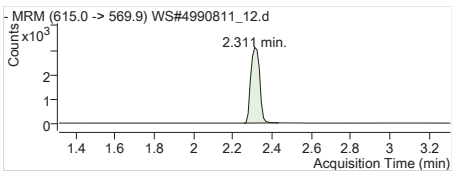


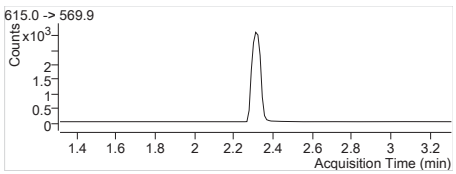
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 99.88 µg/Kg
Area ratio: 0.18720
Sample type: Sample



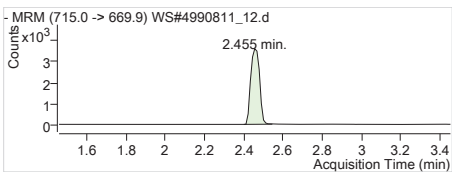


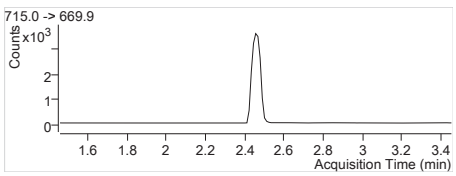
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.234 (2.223)
Calc. conc. 97.47 µg/Kg
Area ratio: 0.21070
Sample type: Sample



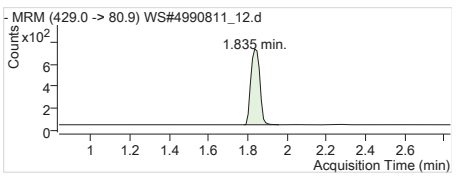


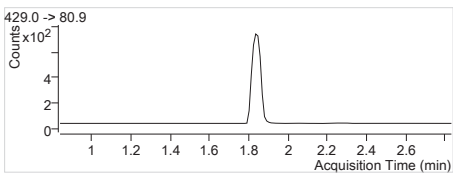
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 100.87 µg/Kg
Area ratio: 0.25005
Sample type: Sample



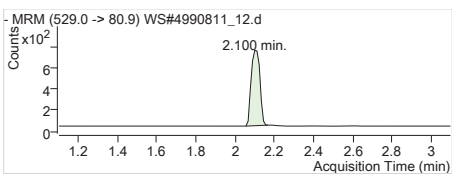


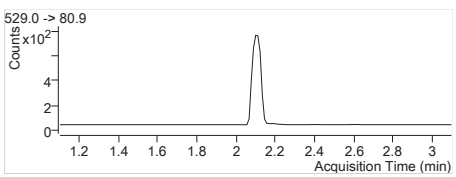
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 94.82 µg/Kg
Area ratio: 0.28888
Sample type: Sample



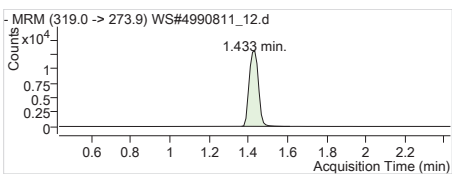


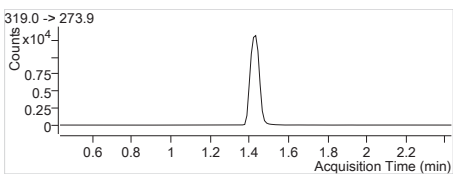
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 105.50 µg/Kg
Area ratio: 0.05151
Sample type: Sample



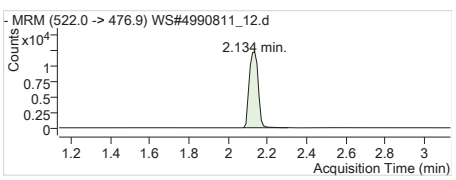


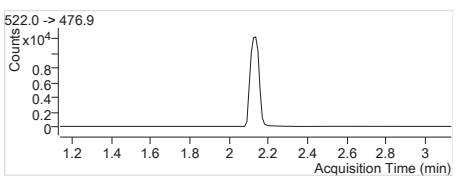
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 102.80 µg/Kg
Area ratio: 0.05176
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 140.95 µg/Kg
Area ratio: 0
Sample type: Sample





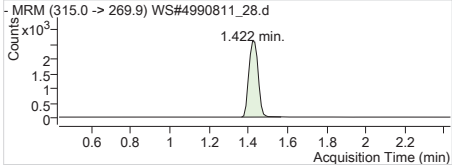
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 140.98 µg/Kg
Area ratio: 0
Sample type: Sample

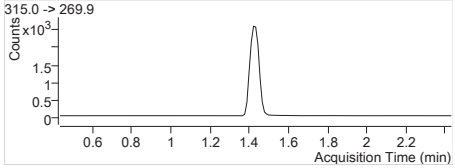
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_28.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/24 10:30:07 PM	**Injection Volume**	Per Method
Sample Annotation	-		

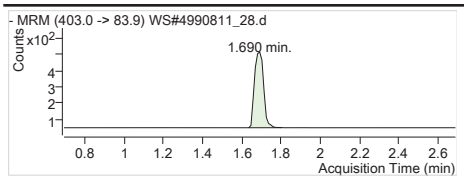
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8469	1.42	1 µg/Kg		
MPFHxS	1517	1.69	1 µg/Kg		
MPFHpA	8955	1.69	1 µg/Kg		
MPFOA	9180	1.87	1 µg/Kg		
MPFOS	1848	1.98	1 µg/Kg		
MPFNA	8691	2.01	1 µg/Kg		
MPFDA	6968	2.13	1 µg/Kg		
MPFUnA	8111	2.23	1 µg/Kg		
MPFDoA	9551	2.31	1 µg/Kg		
MPFTeDA	11899	2.46	1 µg/Kg		
M2 6:2 FTS	2296	1.83	1 µg/Kg		
M2 8:2 FTS	2165	2.10	1 µg/Kg		
13C6-PFHxA IS	41307	1.43	1 µg/Kg		
13C9-PFDA IS	38167	2.13	1 µg/Kg		

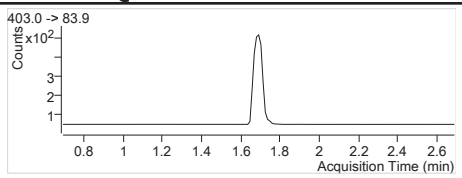
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8469	1.42	-	106.46 µg/Kg	-
18O2-PFHxS	1517	1.69	-	102.90 µg/Kg	-
13C4-PFHpA	8955	1.69	-	103.18 µg/Kg	-
13C4-PFOA	9180	1.87	-	109.65 µg/Kg	-
13C4-PFOS	1848	1.98	-	101.96 µg/Kg	-
13C5-PFNA	8691	2.01	-	102.71 µg/Kg	-
13C2-PFDA	6968	2.13	-	97.41 µg/Kg	-
13C2-PFUnA	8111	2.23	-	98.31 µg/Kg	-
13C2-PFDoA	9551	2.31	-	100.95 µg/Kg	-
13C2-PFTeDA	11899	2.46	-	102.33 µg/Kg	-
13C2-6:2-FTS	2296	1.83	-	113.85 µg/Kg	-
13C2-8:2 FTS	2165	2.10	-	104.09 µg/Kg	-
13C6-PFHxA	41307	1.43	-	136.18 µg/Kg	-
13C9-PFDA	38167	2.13	-	139.29 µg/Kg	-



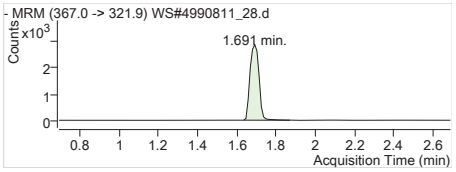


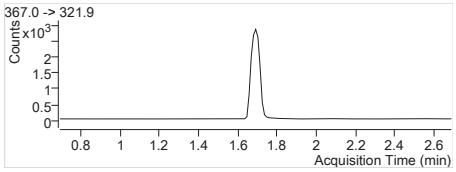
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



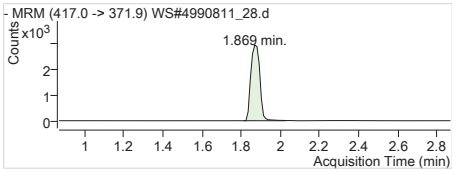


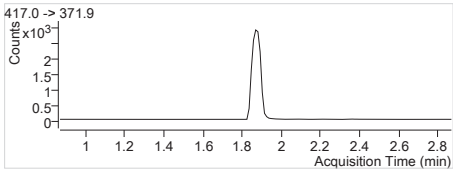
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



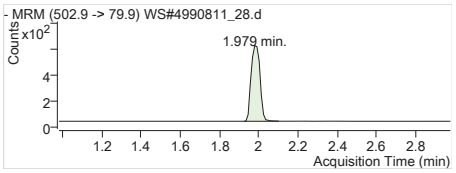


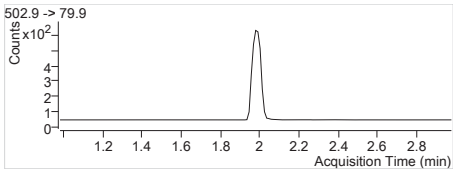
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



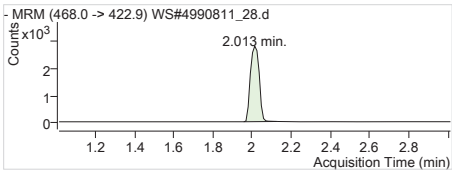


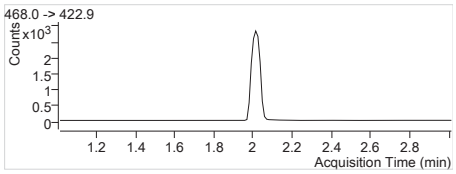
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



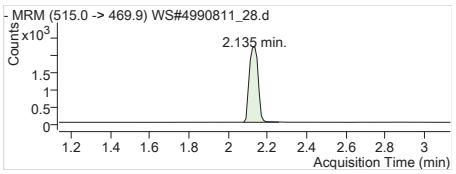


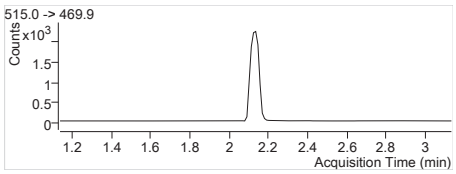
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



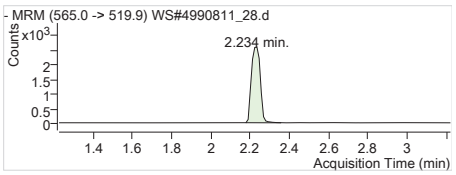


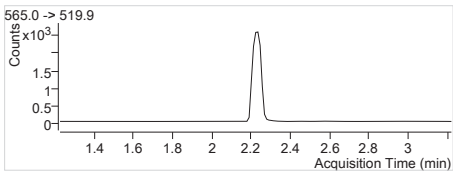
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



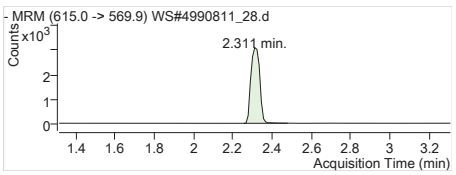


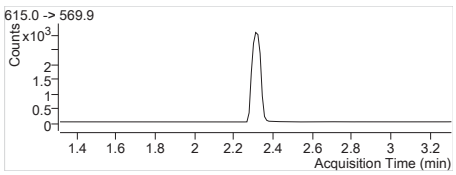
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



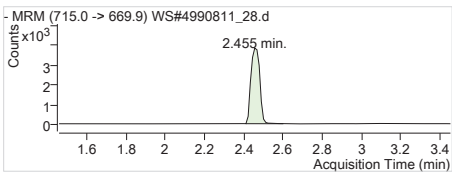


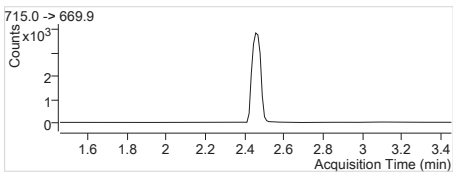
MPFUnA Internal Standard
RT (Exp. RT): 2.234 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



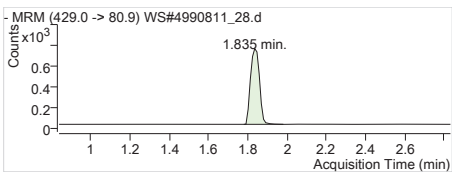


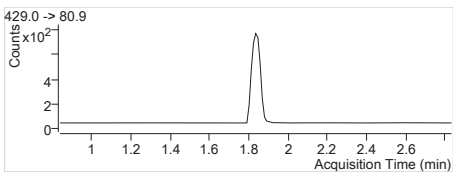
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



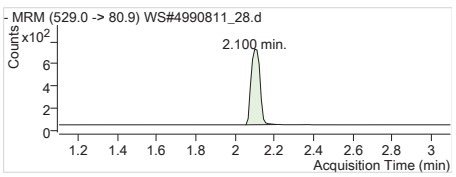


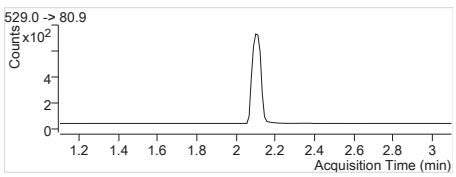
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



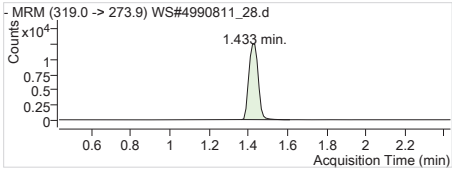


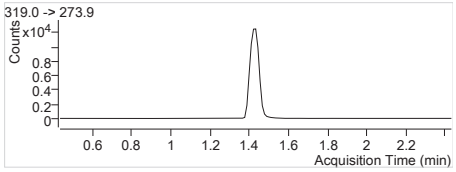
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



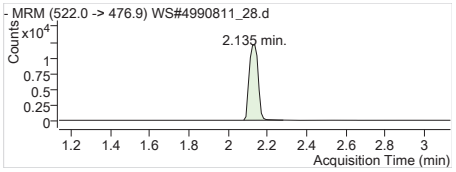


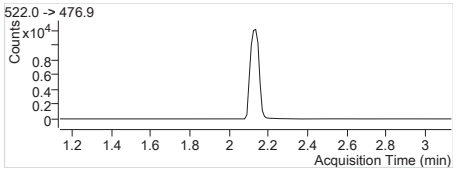
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



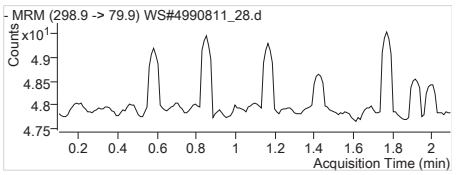


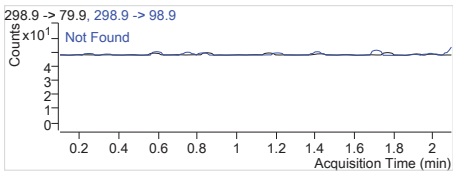
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



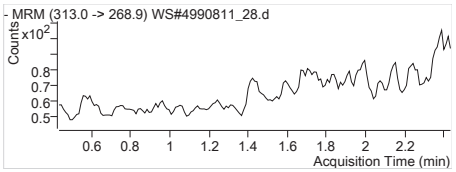


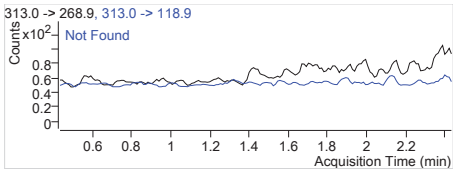
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



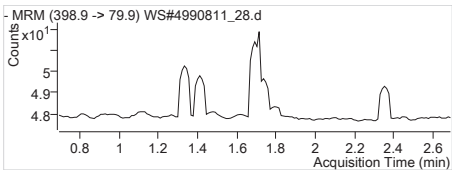


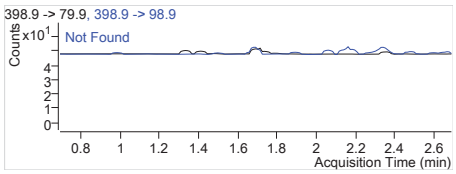
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



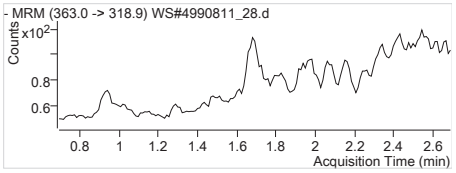


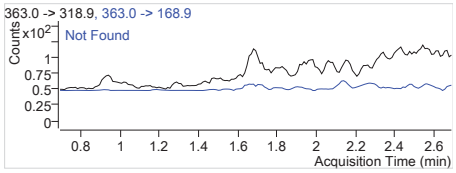
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



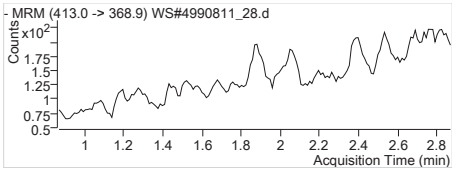


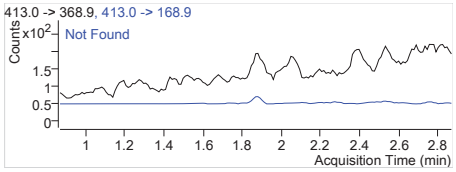
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



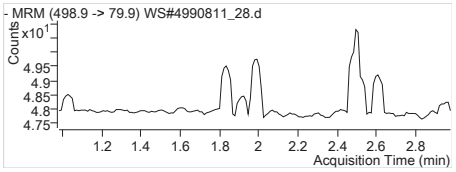


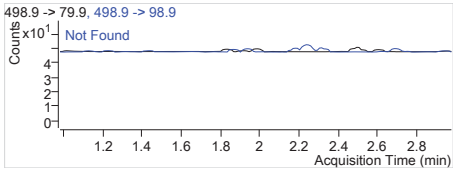
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



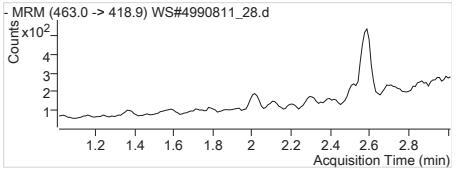


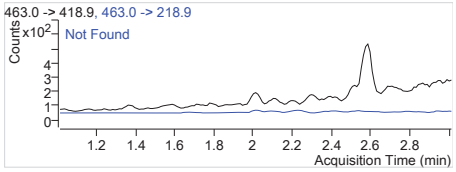
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



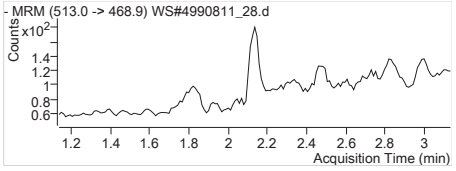


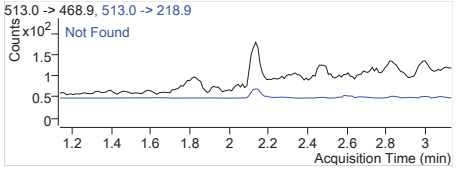
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



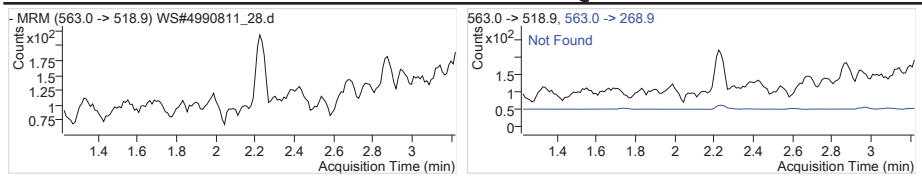


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

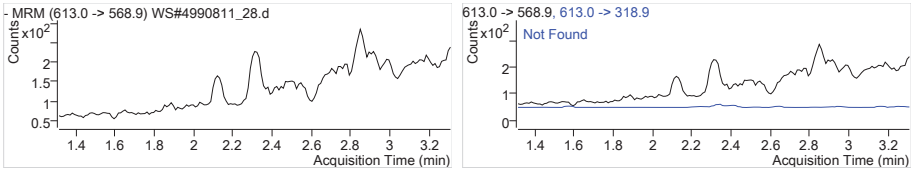




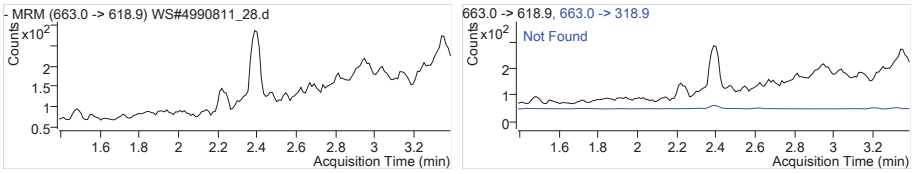
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



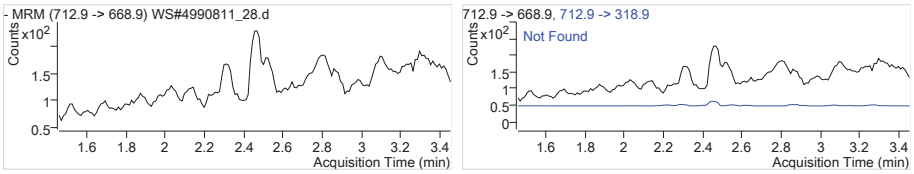
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



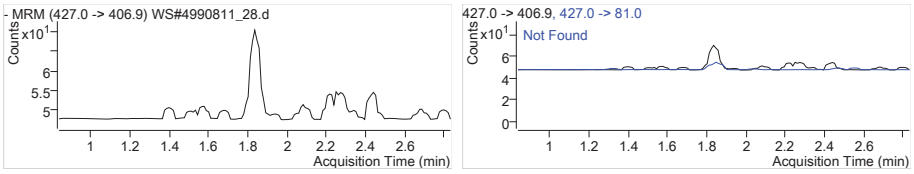
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



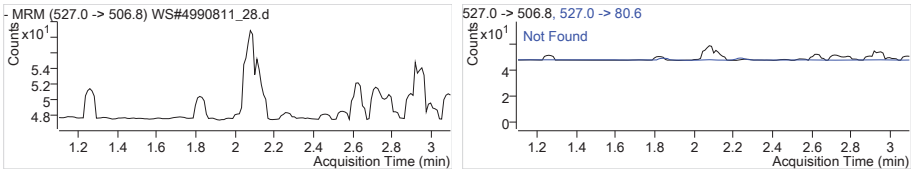
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



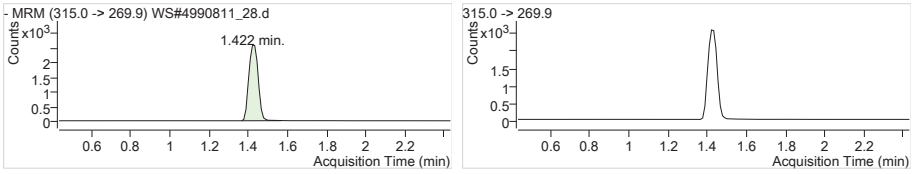
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



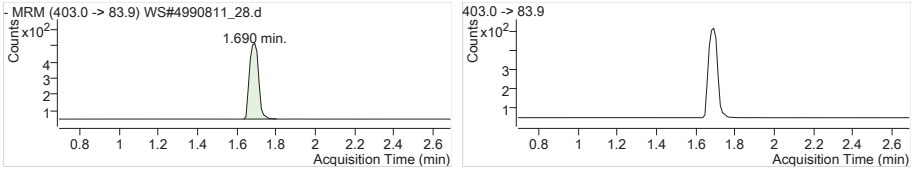
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



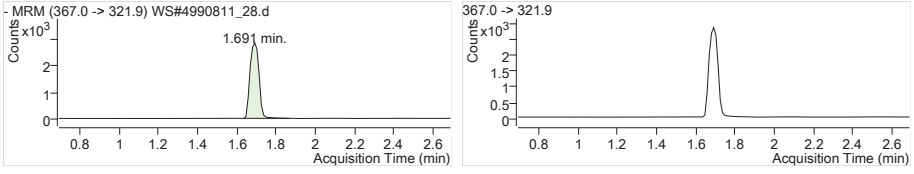
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



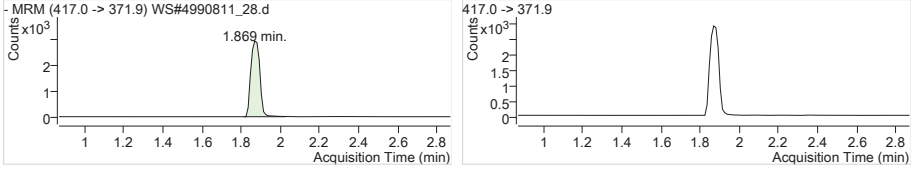
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 106.46 µg/Kg
Area ratio: 0.20503
Sample type: Sample



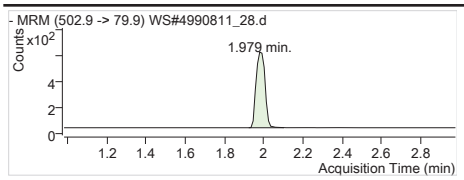
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 102.90 µg/Kg
Area ratio: 0.03673
Sample type: Sample

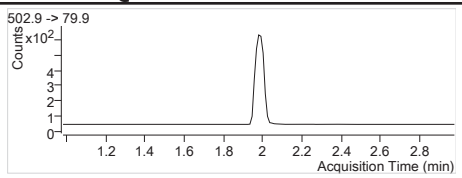


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 103.18 µg/Kg
Area ratio: 0.21679
Sample type: Sample

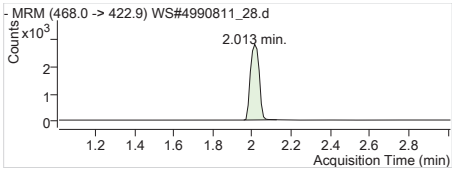


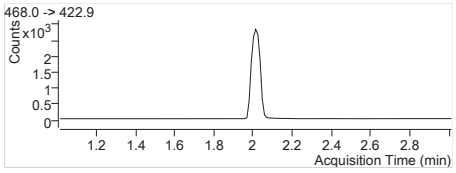
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 109.65 µg/Kg
Area ratio: 0.22224
Sample type: Sample



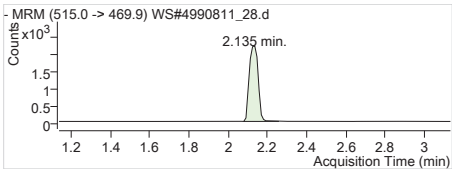


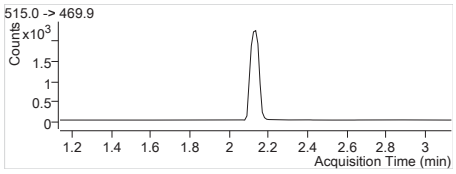
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 101.96 µg/Kg
Area ratio: 0.04474
Sample type: Sample



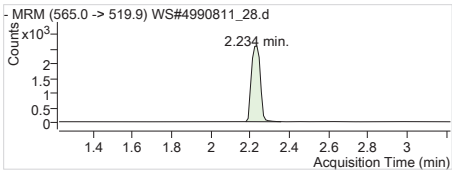


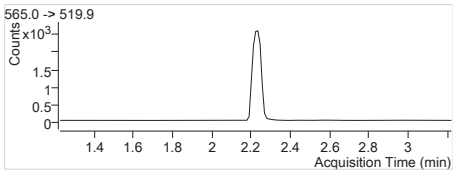
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 102.71 µg/Kg
Area ratio: 0.21040
Sample type: Sample



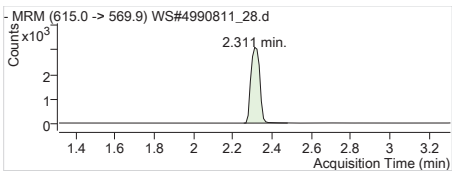


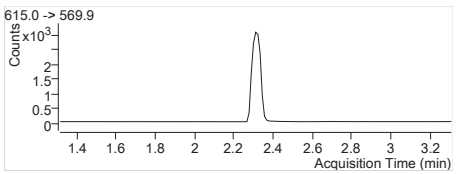
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 97.41 µg/Kg
Area ratio: 0.18257
Sample type: Sample



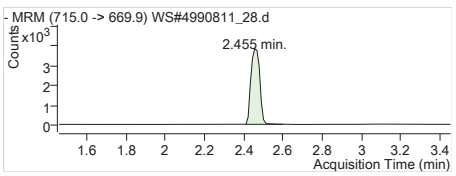


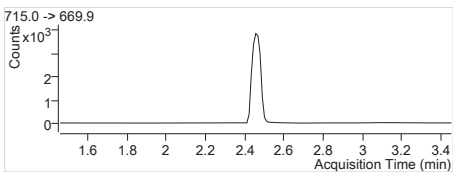
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.234 (2.223)
Calc. conc. 98.31 µg/Kg
Area ratio: 0.21251
Sample type: Sample



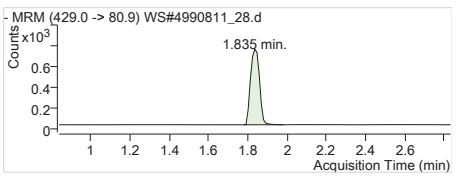


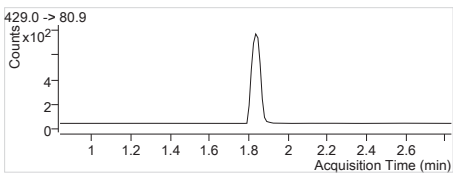
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 100.95 µg/Kg
Area ratio: 0.25024
Sample type: Sample



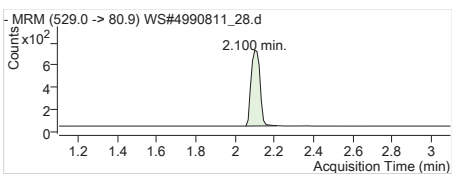


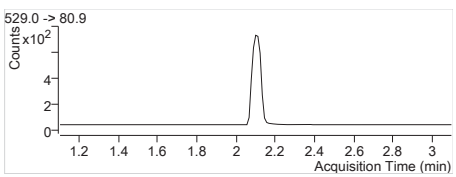
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 102.33 µg/Kg
Area ratio: 0.31176
Sample type: Sample



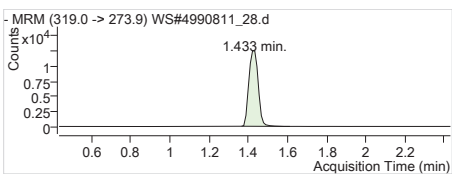


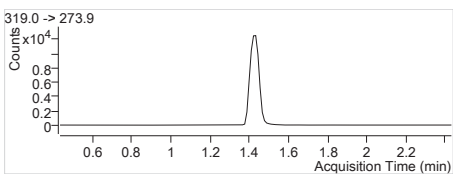
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 113.85 µg/Kg
Area ratio: 0.05558
Sample type: Sample



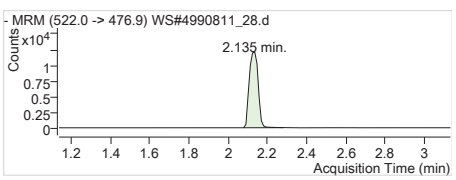


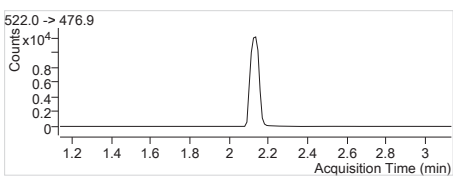
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 104.09 µg/Kg
Area ratio: 0.05241
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 136.18 µg/Kg
Area ratio: 0
Sample type: Sample





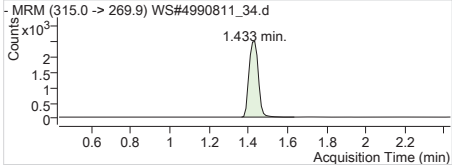
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 139.29 µg/Kg
Area ratio: 0
Sample type: Sample

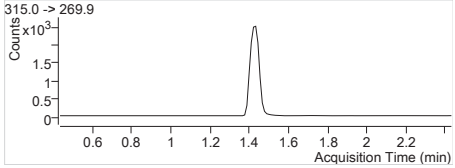
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_34.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/24 10:59:32 PM	**Injection Volume**	Per Method
Sample Annotation	-		

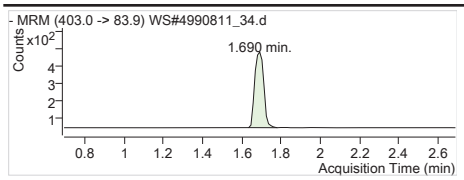
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8146	1.43	1 µg/Kg		
MPFHxS	1388	1.69	1 µg/Kg		
MPFHpA	9177	1.69	1 µg/Kg		
MPFOA	8946	1.87	1 µg/Kg		
MPFOS	1891	1.98	1 µg/Kg		
MPFNA	8738	2.01	1 µg/Kg		
MPFDA	7063	2.12	1 µg/Kg		
MPFUnA	8093	2.22	1 µg/Kg		
MPFDoA	9386	2.31	1 µg/Kg		
MPFTeDA	11912	2.46	1 µg/Kg		
M2 6:2 FTS	2017	1.83	1 µg/Kg		
M2 8:2 FTS	2194	2.10	1 µg/Kg		
13C6-PFHxA IS	42034	1.43	1 µg/Kg		
13C9-PFDA IS	36985	2.12	1 µg/Kg		

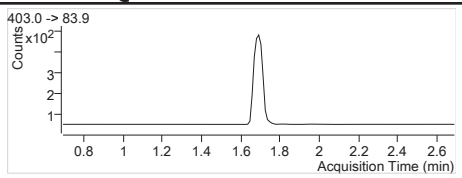
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8146	1.43	-	100.63 µg/Kg	-
18O2-PFHxS	1388	1.69	-	92.52 µg/Kg	-
13C4-PFHpA	9177	1.69	-	103.91 µg/Kg	-
13C4-PFOA	8946	1.87	-	105.01 µg/Kg	-
13C4-PFOS	1891	1.98	-	102.53 µg/Kg	-
13C5-PFNA	8738	2.01	-	101.48 µg/Kg	-
13C2-PFDA	7063	2.12	-	101.89 µg/Kg	-
13C2-PFUnA	8093	2.22	-	101.22 µg/Kg	-
13C2-PFDoA	9386	2.31	-	102.38 µg/Kg	-
13C2-PFTeDA	11912	2.46	-	105.72 µg/Kg	-
13C2-6:2-FTS	2017	1.83	-	98.29 µg/Kg	-
13C2-8:2 FTS	2194	2.10	-	103.66 µg/Kg	-
13C6-PFHxA	42034	1.43	-	138.58 µg/Kg	-
13C9-PFDA	36985	2.12	-	134.98 µg/Kg	-



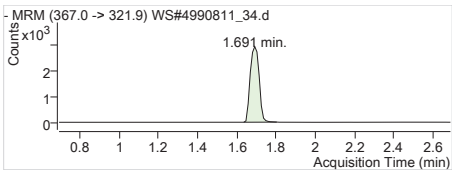


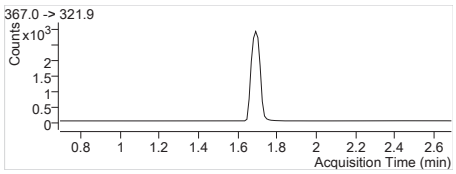
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



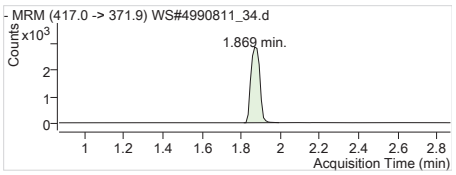


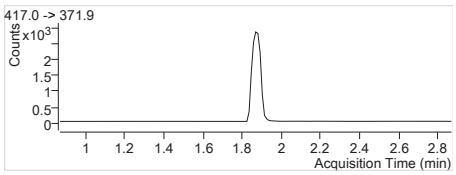
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



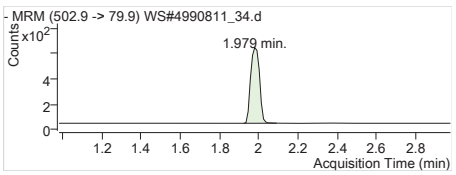


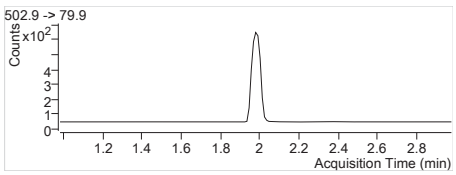
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



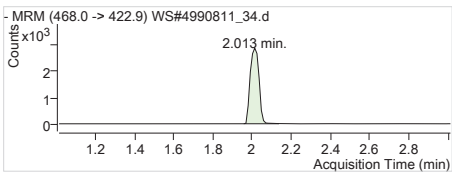


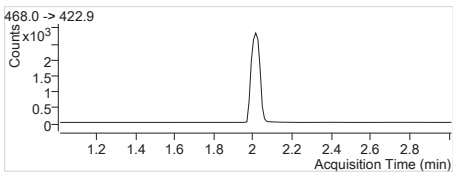
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



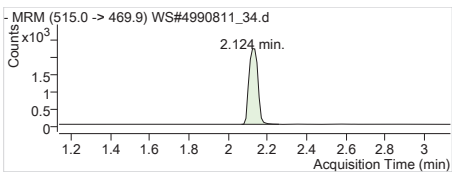


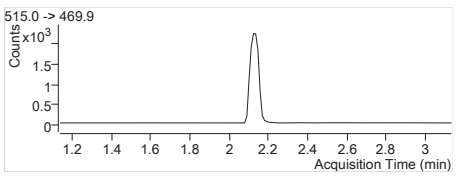
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



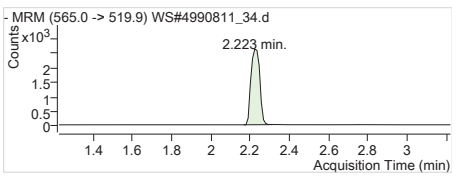


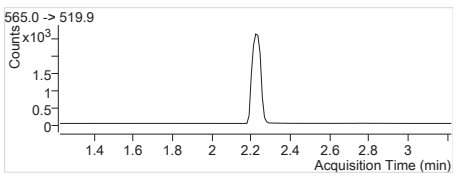
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



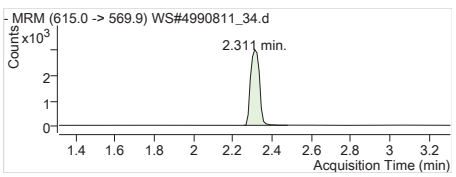


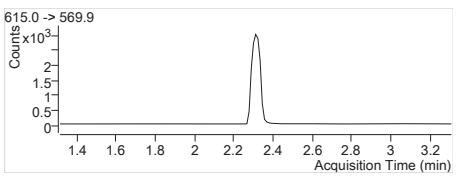
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



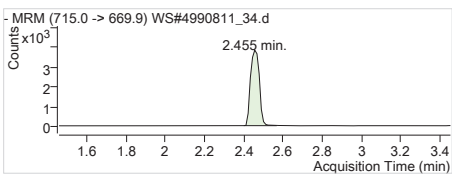


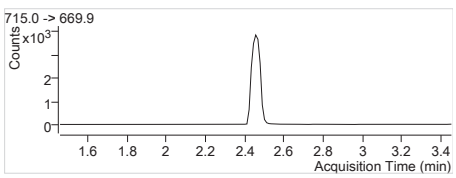
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



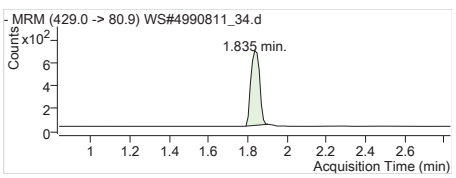


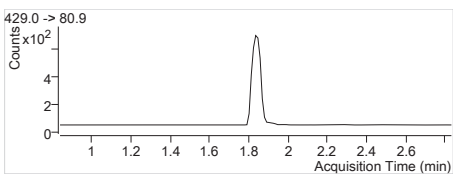
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



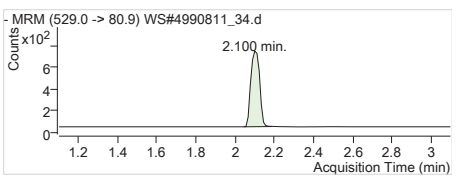


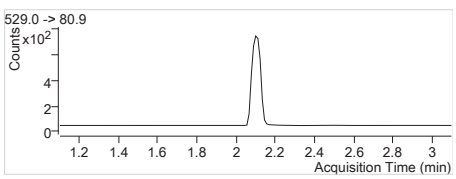
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



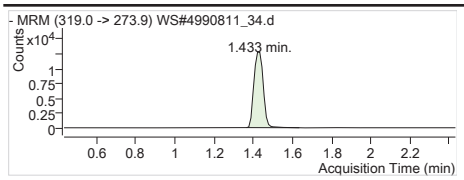


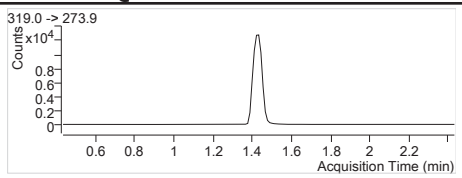
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



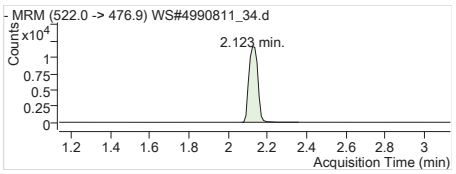


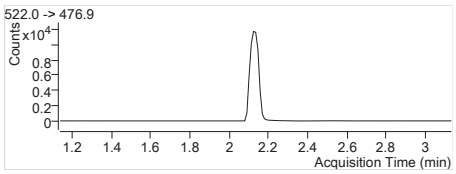
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



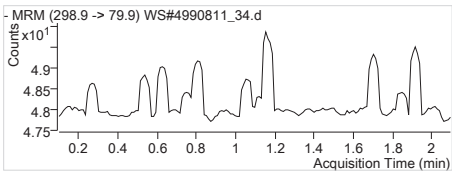


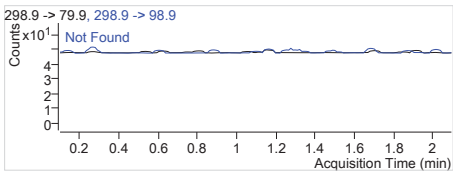
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



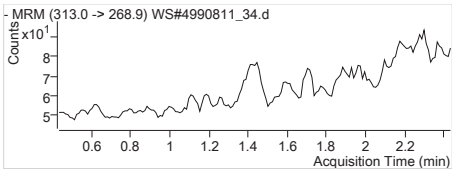


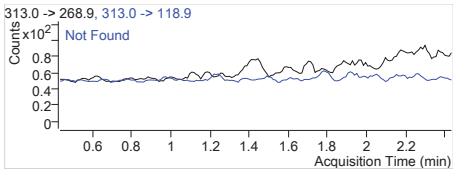
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



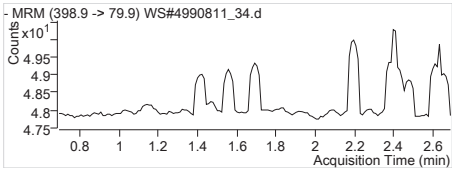


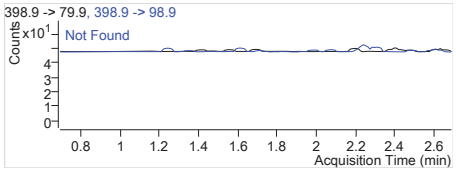
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



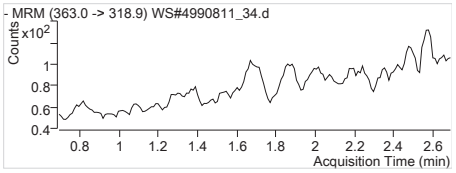


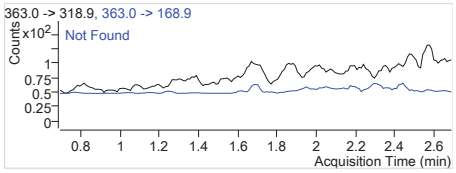
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



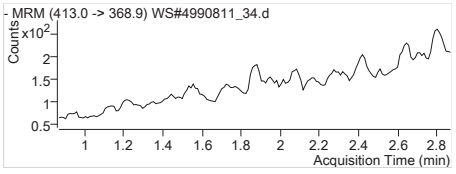


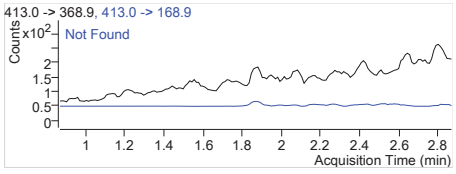
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



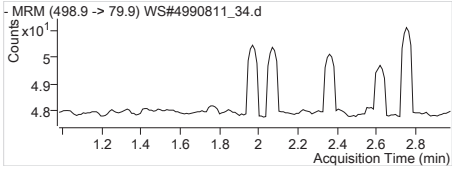


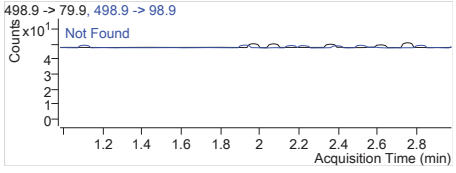
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



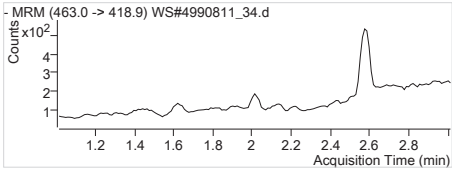


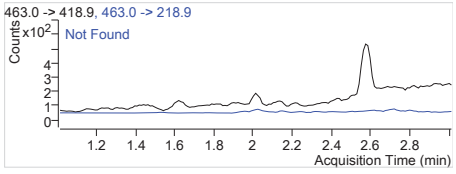
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



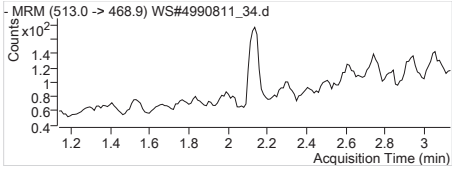


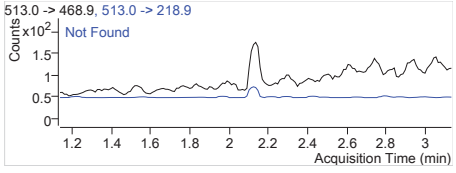
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



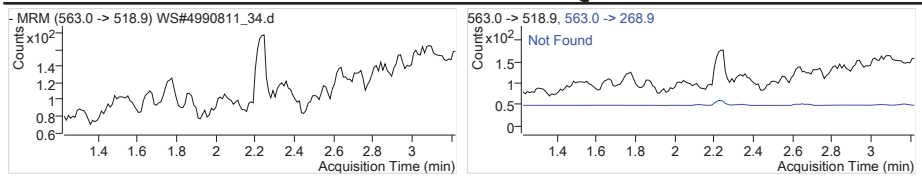


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

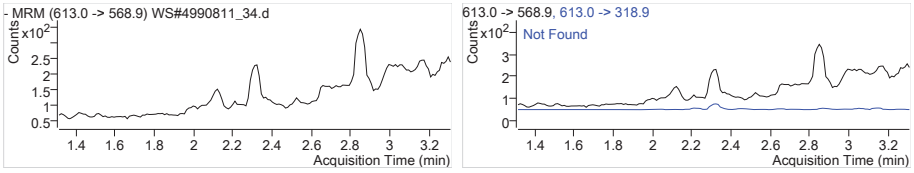




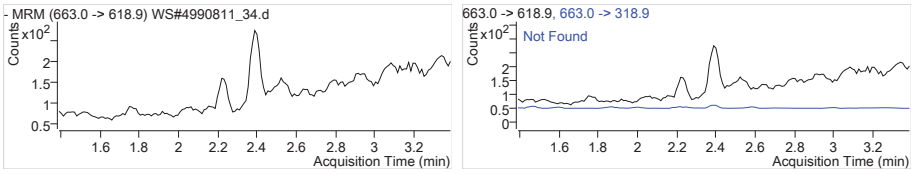
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



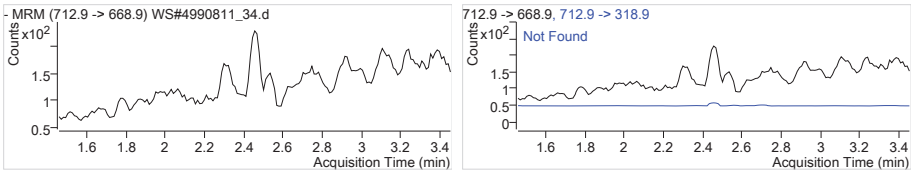
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



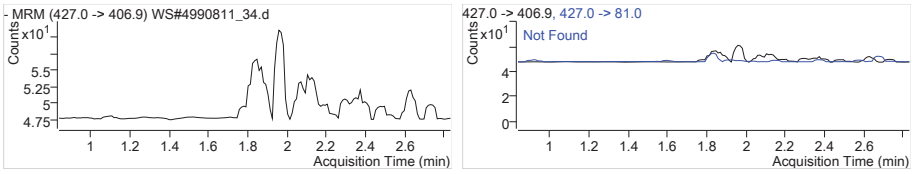
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



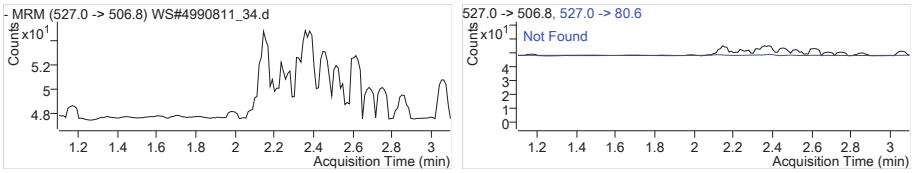
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



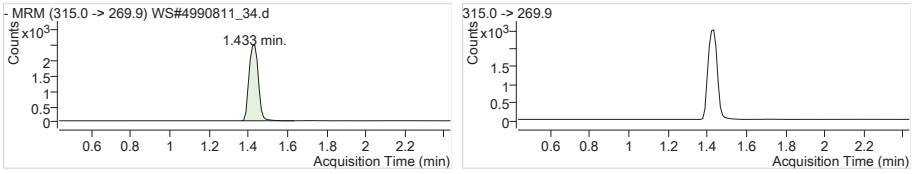
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



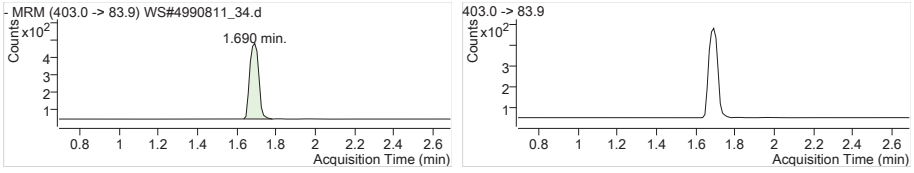
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



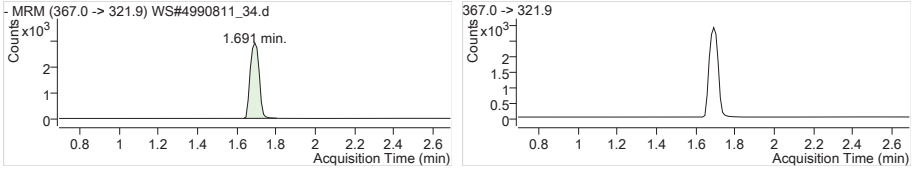
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



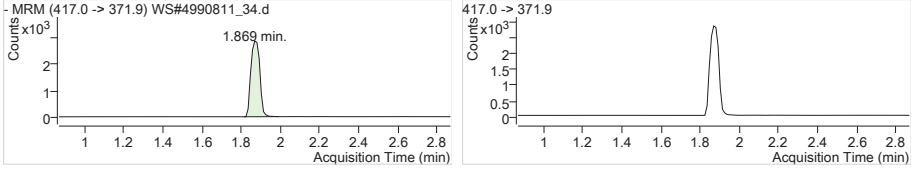
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 100.63 µg/Kg
Area ratio: 0.19380
Sample type: Sample



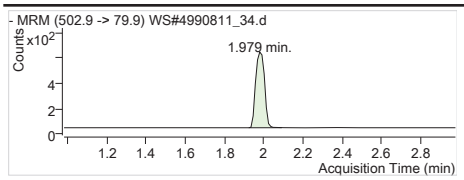
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 92.52 µg/Kg
Area ratio: 0.03302
Sample type: Sample

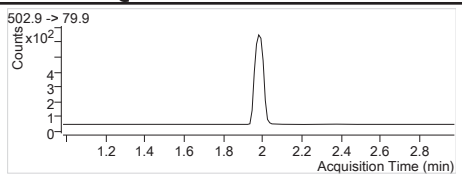


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 103.91 µg/Kg
Area ratio: 0.21832
Sample type: Sample

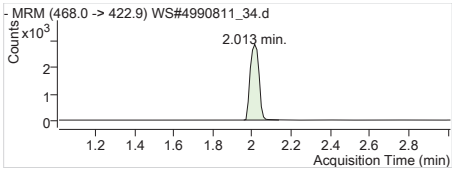


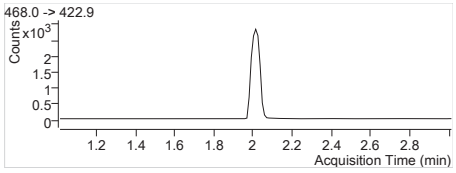
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 105.01 µg/Kg
Area ratio: 0.21283
Sample type: Sample



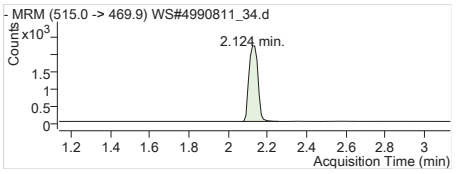


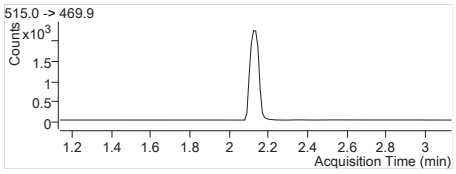
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 102.53 µg/Kg
Area ratio: 0.04499
Sample type: Sample



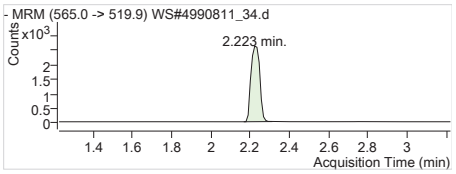


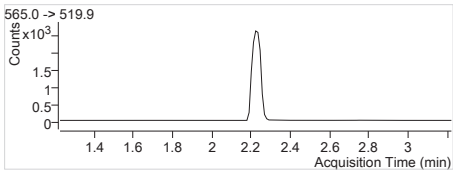
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 101.48 µg/Kg
Area ratio: 0.20788
Sample type: Sample



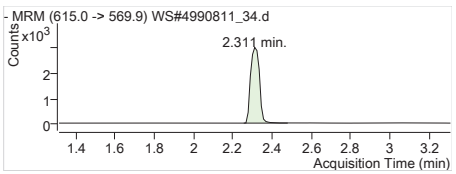


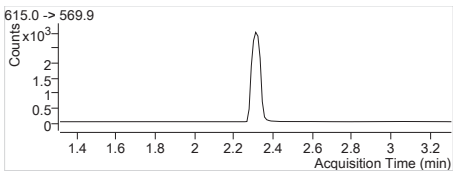
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 101.89 µg/Kg
Area ratio: 0.19097
Sample type: Sample



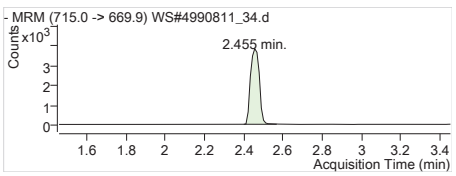


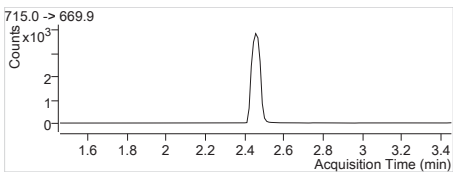
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 101.22 µg/Kg
Area ratio: 0.21882
Sample type: Sample



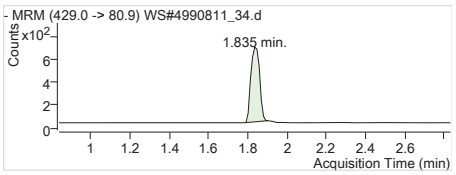


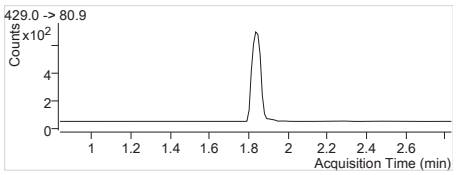
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 102.38 µg/Kg
Area ratio: 0.25378
Sample type: Sample



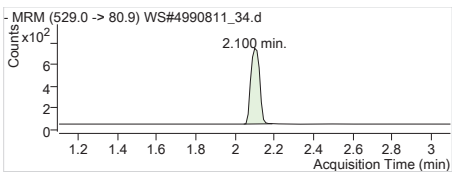


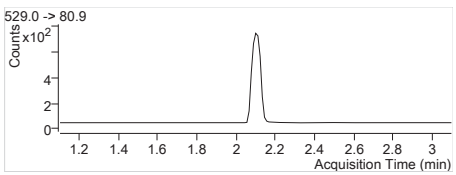
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 105.72 µg/Kg
Area ratio: 0.32208
Sample type: Sample



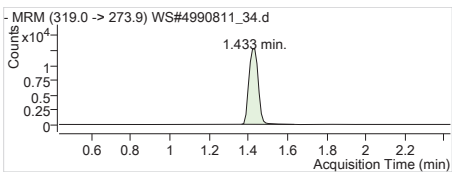


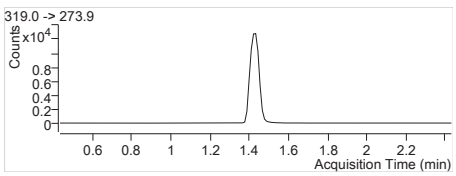
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 98.29 µg/Kg
Area ratio: 0.04798
Sample type: Sample



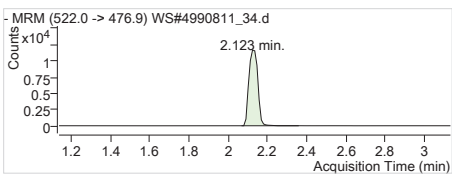


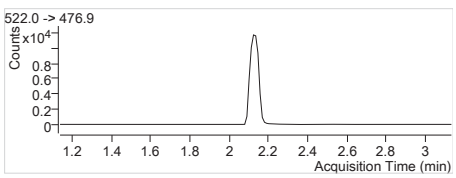
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 103.66 µg/Kg
Area ratio: 0.05220
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 138.58 µg/Kg
Area ratio: 0
Sample type: Sample





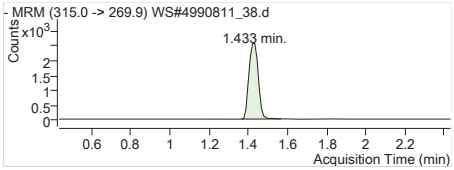
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 134.98 µg/Kg
Area ratio: 0
Sample type: Sample

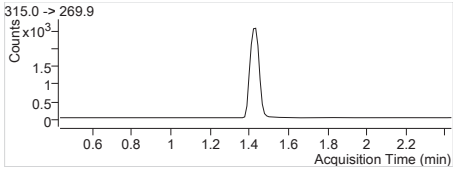
Batch Path T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_38.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/24 11:19:08 PM	**Injection Volume**	Per Method
Sample Annotation	-		

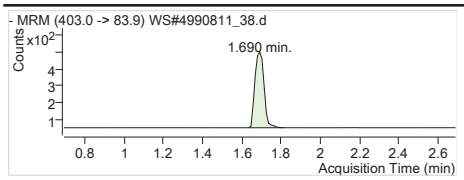
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8369	1.43	1 µg/Kg		
MPFHxS	1465	1.69	1 µg/Kg		
MPFHpA	8699	1.69	1 µg/Kg		
MPFOA	8221	1.87	1 µg/Kg		
MPFOS	1751	1.98	1 µg/Kg		
MPFNA	8240	2.01	1 µg/Kg		
MPFDA	7252	2.13	1 µg/Kg		
MPFUnA	8349	2.22	1 µg/Kg		
MPFDoA	8860	2.31	1 µg/Kg		
MPFTeDA	11920	2.46	1 µg/Kg		
M2 6:2 FTS	2090	1.83	1 µg/Kg		
M2 8:2 FTS	2150	2.10	1 µg/Kg		
13C6-PFHxA IS	42296	1.43	1 µg/Kg		
13C9-PFDA IS	37354	2.13	1 µg/Kg		

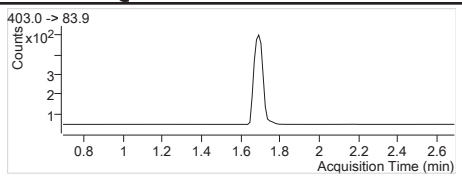
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1	745	2.46	-	0.18 µg/Kg	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8369	1.43	-	102.75 µg/Kg	-
18O2-PFHxS	1465	1.69	-	97.05 µg/Kg	-
13C4-PFHpA	8699	1.69	-	97.89 µg/Kg	-
13C4-PFOA	8221	1.87	-	95.90 µg/Kg	-
13C4-PFOS	1751	1.98	-	94.35 µg/Kg	-
13C5-PFNA	8240	2.01	-	95.10 µg/Kg	-
13C2-PFDA	7252	2.13	-	103.59 µg/Kg	-
13C2-PFUnA	8349	2.22	-	103.39 µg/Kg	-
13C2-PFDoA	8860	2.31	-	95.69 µg/Kg	-
13C2-PFTeDA	11920	2.46	-	104.75 µg/Kg	-
13C2-6:2-FTS	2090	1.83	-	101.21 µg/Kg	-
13C2-8:2 FTS	2150	2.10	-	100.95 µg/Kg	-
13C6-PFHxA	42296	1.43	-	139.45 µg/Kg	-
13C9-PFDA	37354	2.13	-	136.33 µg/Kg	-



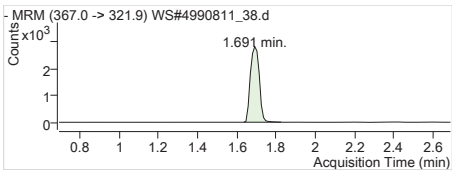


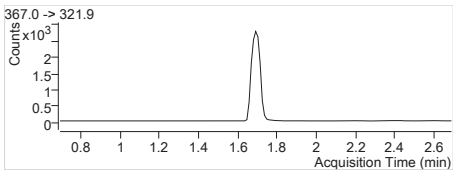
MPFHxA Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



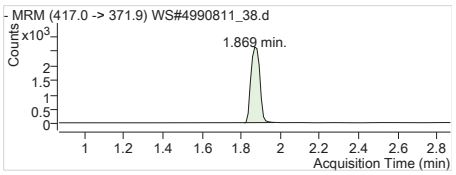


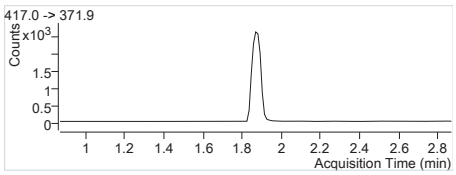
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



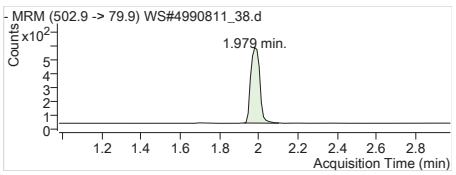


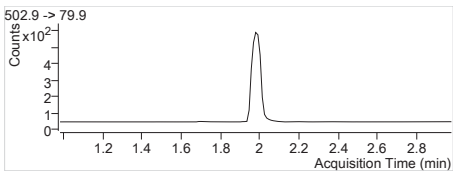
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



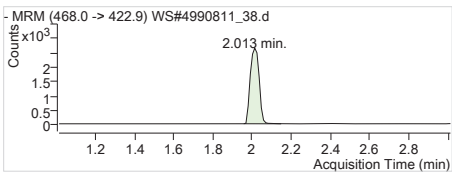


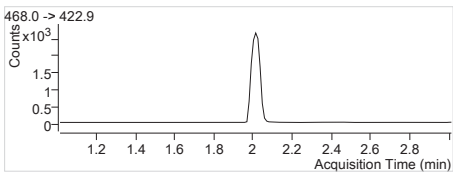
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



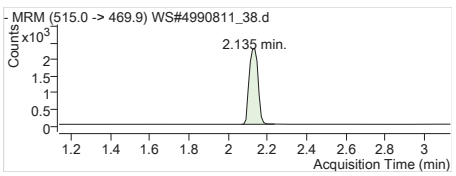


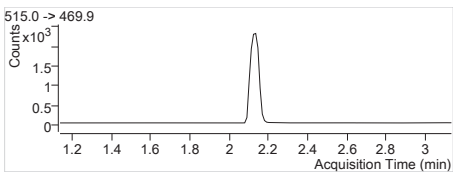
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



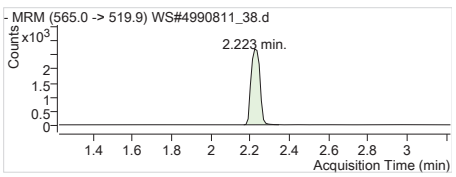


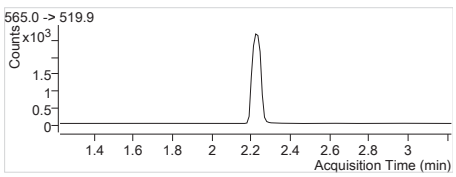
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



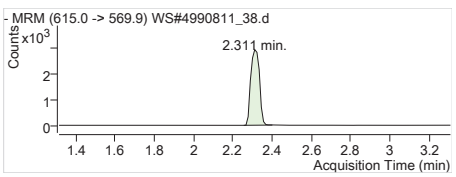


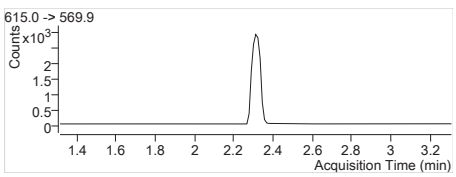
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



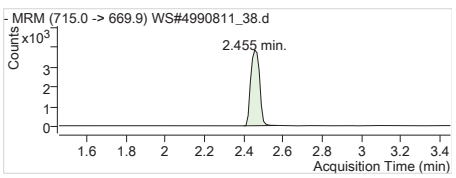


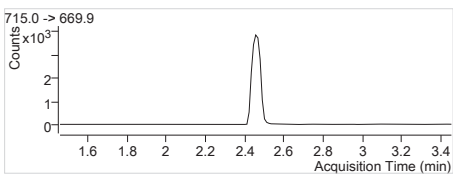
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



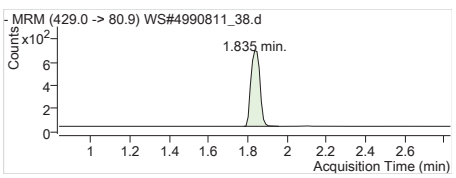


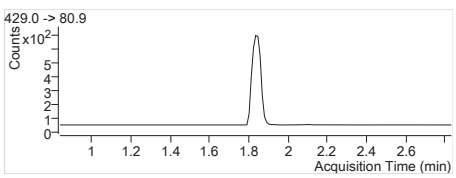
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



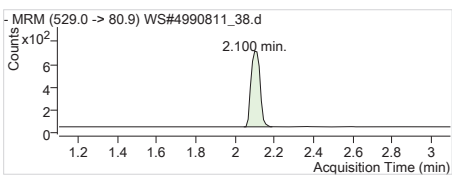


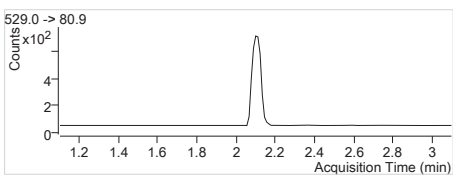
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



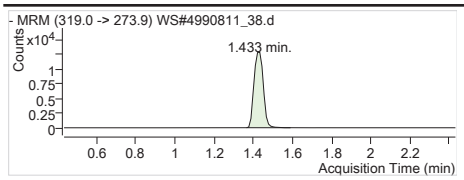


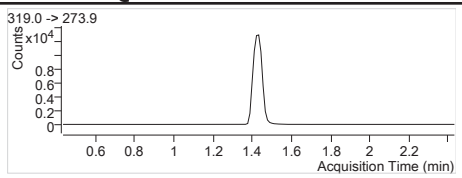
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



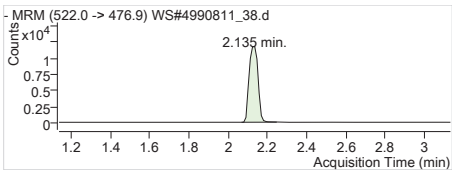


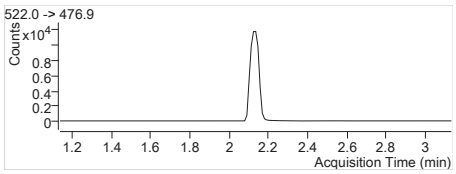
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



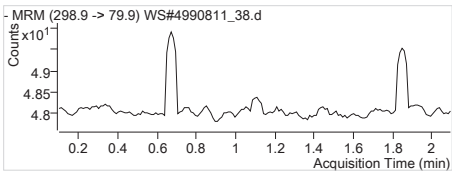


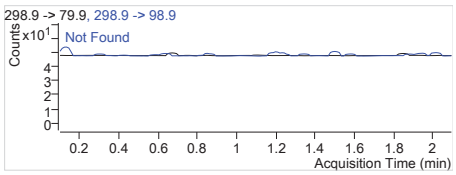
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



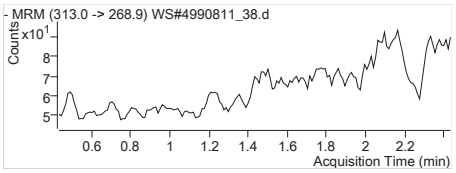


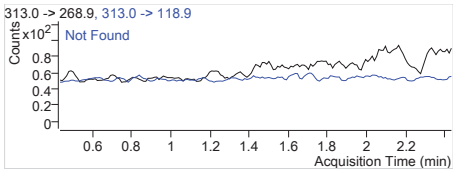
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



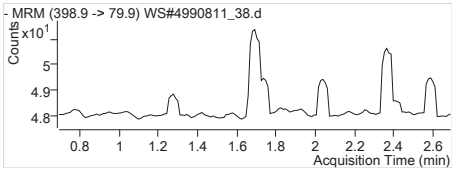


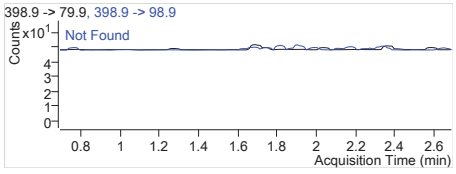
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



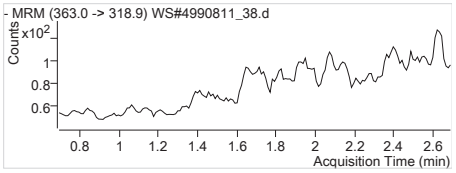


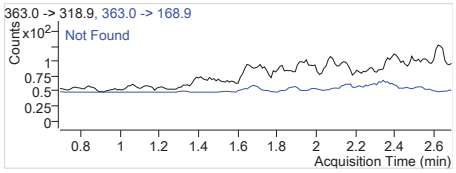
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



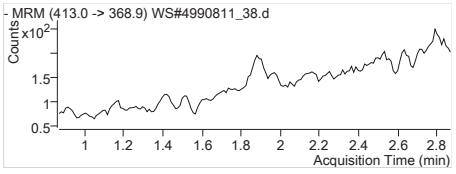


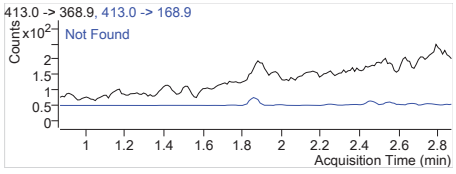
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



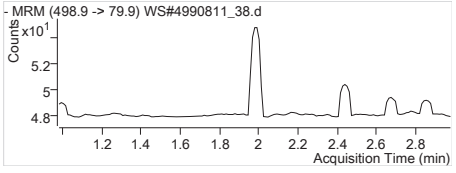


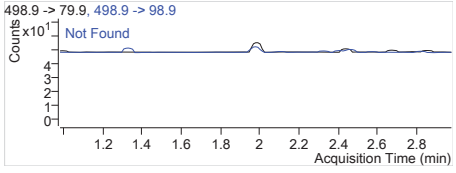
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



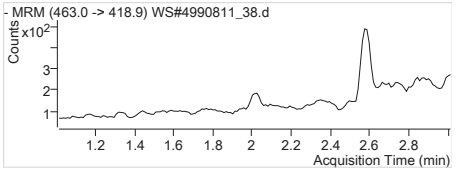


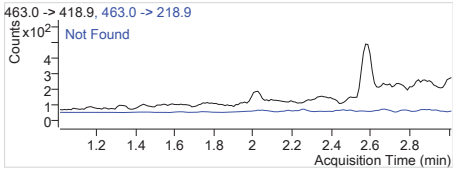
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



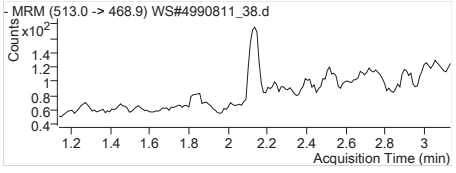


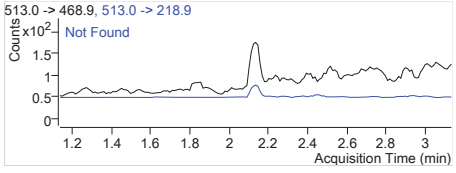
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



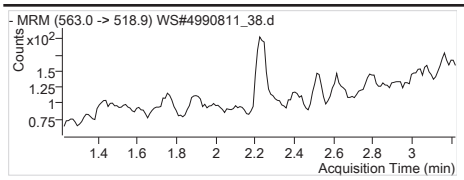


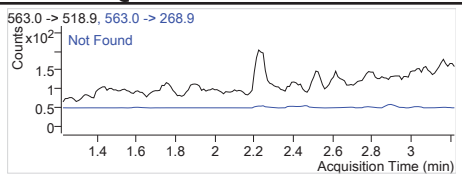
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



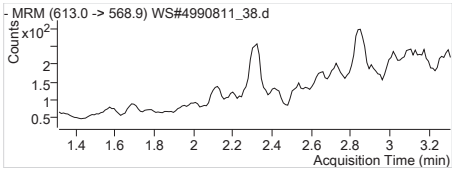


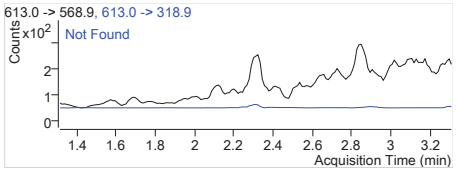
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



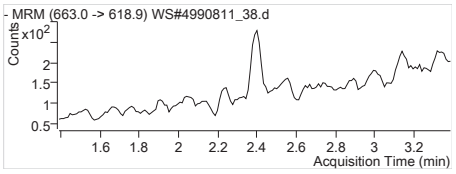


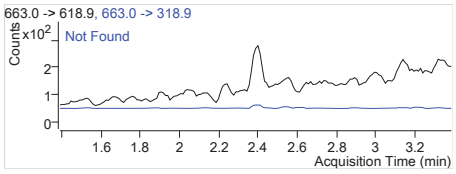
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



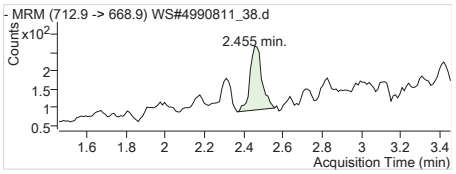


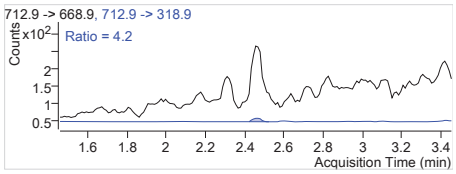
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



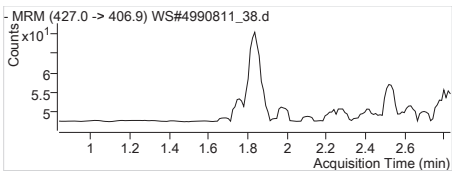


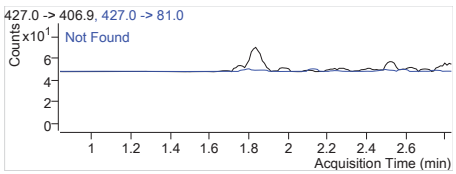
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



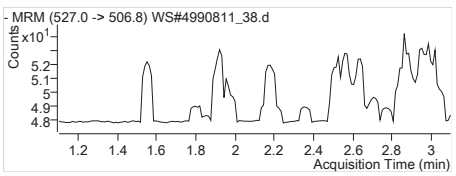


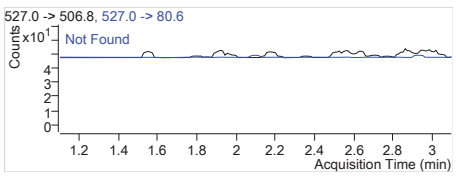
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 0.18 µg/Kg
Area ratio: 0.06250
Sample type: Sample



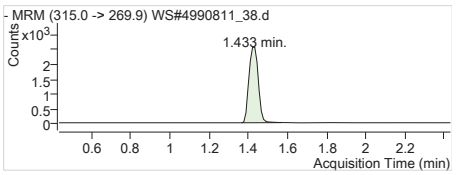


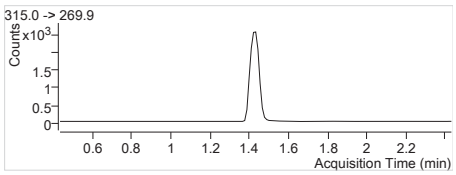
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



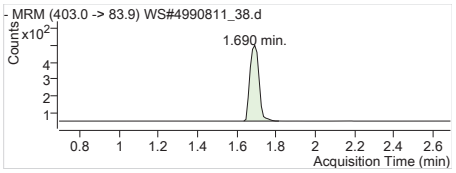


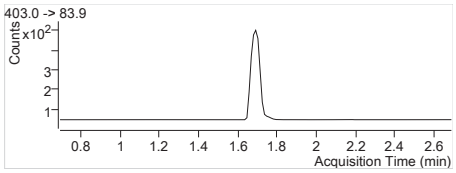
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



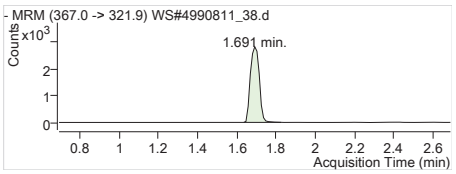


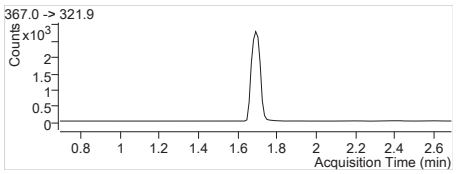
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 102.75 µg/Kg
Area ratio: 0.19787
Sample type: Sample



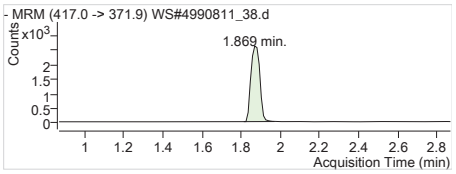


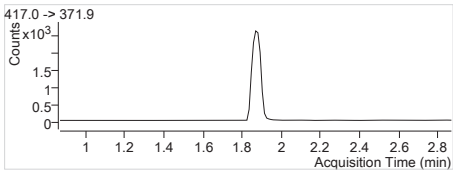
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 97.05 µg/Kg
Area ratio: 0.03464
Sample type: Sample



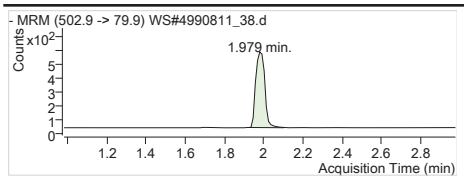


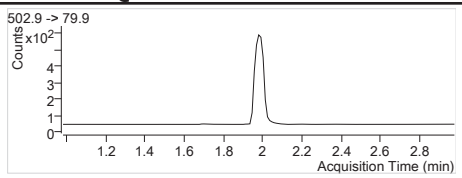
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 97.89 µg/Kg
Area ratio: 0.20567
Sample type: Sample



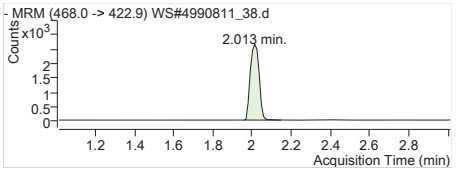


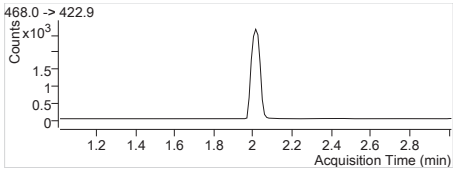
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 95.90 µg/Kg
Area ratio: 0.19437
Sample type: Sample



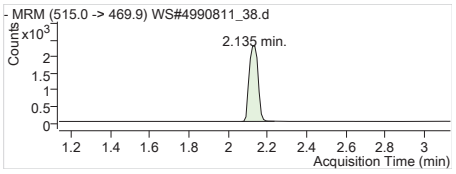


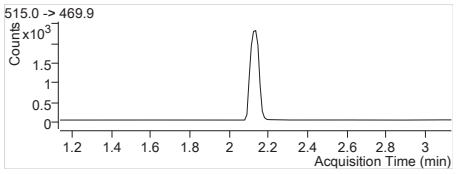
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 94.35 µg/Kg
Area ratio: 0.04140
Sample type: Sample



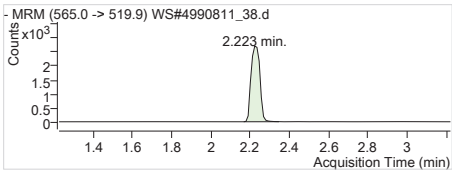


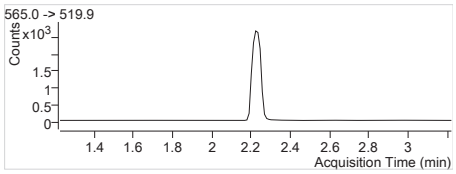
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 95.10 µg/Kg
Area ratio: 0.19482
Sample type: Sample



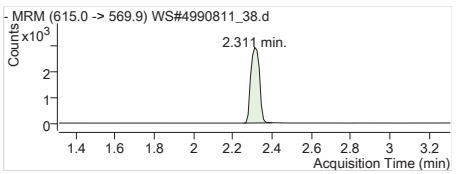


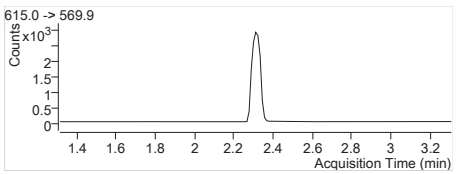
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 103.59 µg/Kg
Area ratio: 0.19414
Sample type: Sample



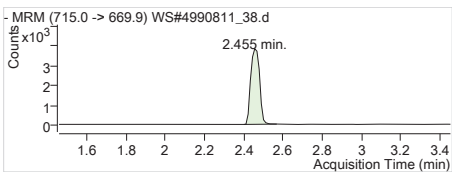


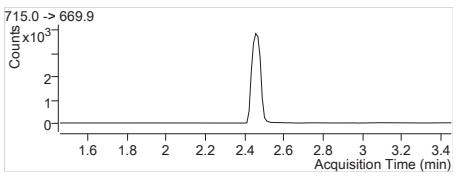
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 103.39 µg/Kg
Area ratio: 0.22351
Sample type: Sample



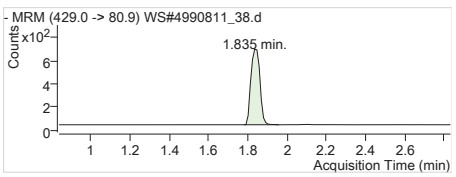


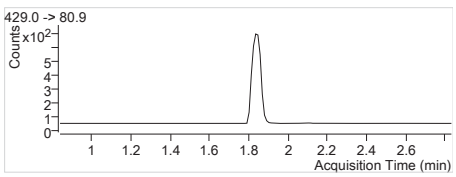
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 95.69 µg/Kg
Area ratio: 0.23719
Sample type: Sample



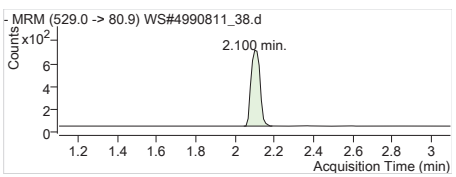


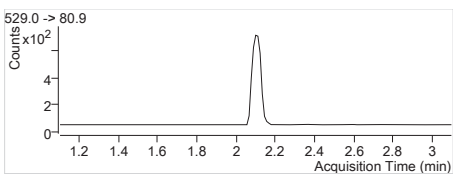
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 104.75 µg/Kg
Area ratio: 0.31911
Sample type: Sample



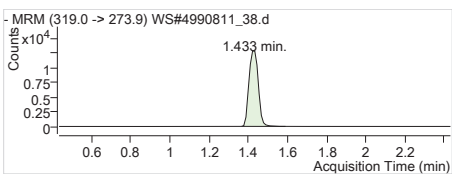


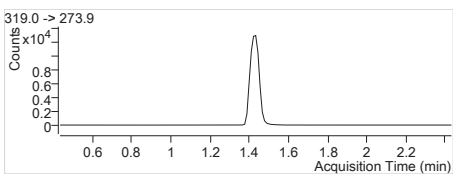
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 101.21 µg/Kg
Area ratio: 0.04941
Sample type: Sample



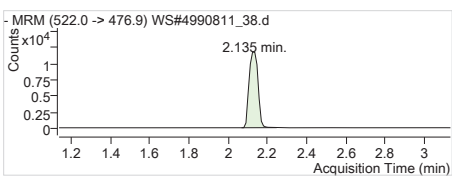


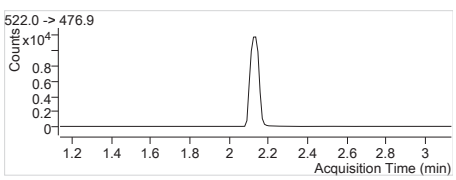
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 100.95 µg/Kg
Area ratio: 0.05083
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 139.45 µg/Kg
Area ratio: 0
Sample type: Sample





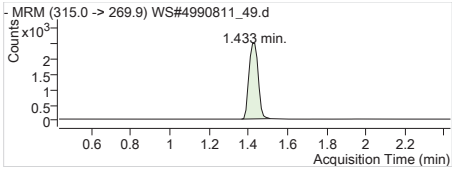
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 136.33 µg/Kg
Area ratio: 0
Sample type: Sample

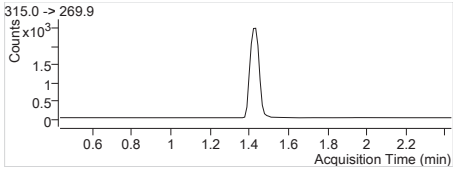
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_49.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/25 12:13:02 AM	**Injection Volume**	Per Method
Sample Annotation	-		

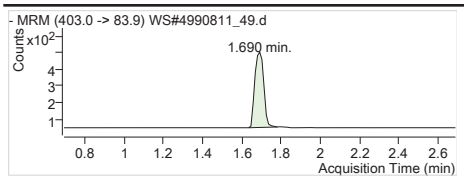
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7996	1.43	1 µg/Kg		
MPFHxS	1440	1.69	1 µg/Kg		
MPFHpA	9226	1.69	1 µg/Kg		
MPFOA	8690	1.87	1 µg/Kg		
MPFOS	1932	1.98	1 µg/Kg		
MPFNA	8352	2.01	1 µg/Kg		
MPFDA	7078	2.12	1 µg/Kg		
MPFUnA	8381	2.22	1 µg/Kg		
MPFDoA	9459	2.31	1 µg/Kg		
MPFTeDA	11623	2.46	1 µg/Kg		
M2 6:2 FTS	2011	1.83	1 µg/Kg		
M2 8:2 FTS	2143	2.10	1 µg/Kg		
13C6-PFHxA IS	41782	1.42	1 µg/Kg		
13C9-PFDA IS	38104	2.13	1 µg/Kg		

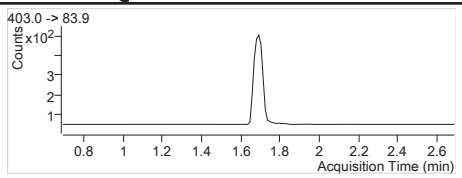
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7996	1.43	-	99.37 µg/Kg	-
18O2-PFHxS	1440	1.69	-	96.56 µg/Kg	-
13C4-PFHpA	9226	1.69	-	105.10 µg/Kg	-
13C4-PFOA	8690	1.87	-	102.62 µg/Kg	-
13C4-PFOS	1932	1.98	-	105.39 µg/Kg	-
13C5-PFNA	8352	2.01	-	97.58 µg/Kg	-
13C2-PFDA	7078	2.12	-	99.11 µg/Kg	-
13C2-PFUnA	8381	2.22	-	101.75 µg/Kg	-
13C2-PFDoA	9459	2.31	-	100.14 µg/Kg	-
13C2-PFTeDA	11623	2.46	-	100.13 µg/Kg	-
13C2-6:2-FTS	2011	1.83	-	98.58 µg/Kg	-
13C2-8:2 FTS	2143	2.10	-	101.86 µg/Kg	-
13C6-PFHxA	41782	1.42	-	137.75 µg/Kg	-
13C9-PFDA	38104	2.13	-	139.06 µg/Kg	-



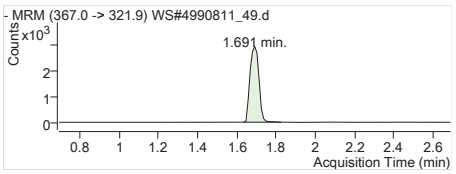


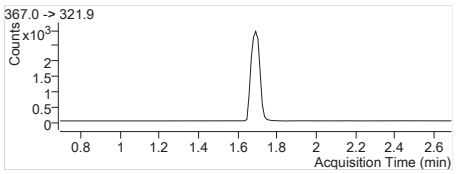
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



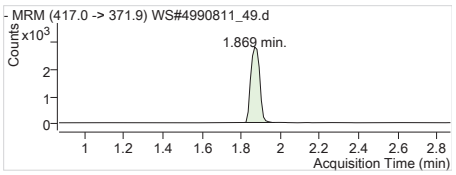


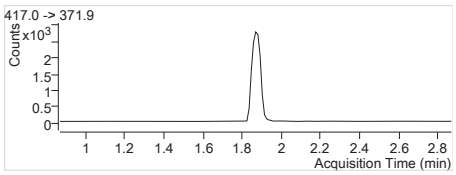
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



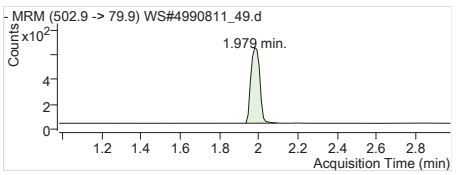


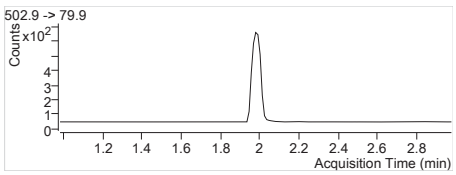
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



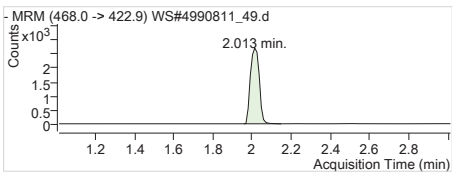


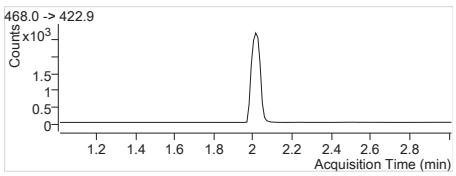
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



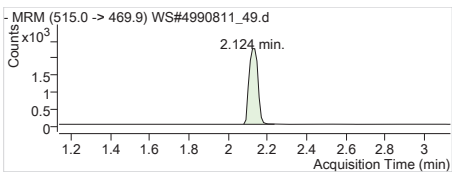


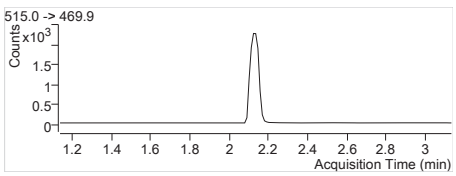
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



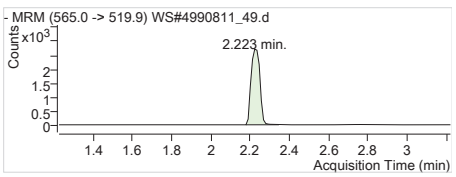


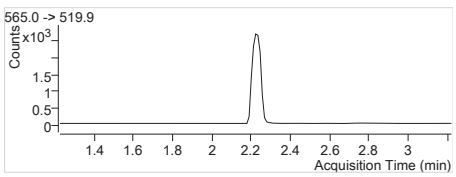
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



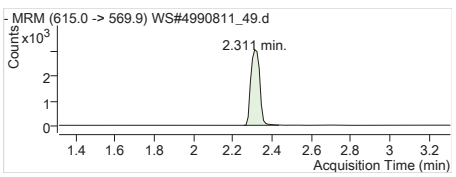


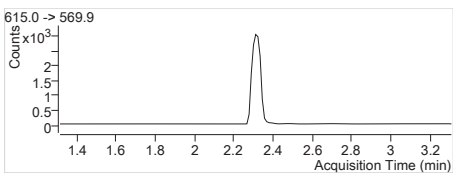
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



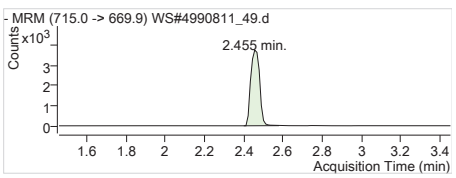


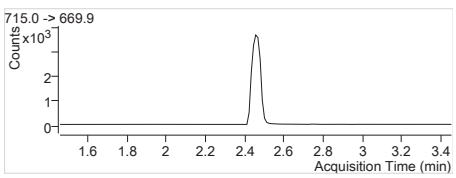
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



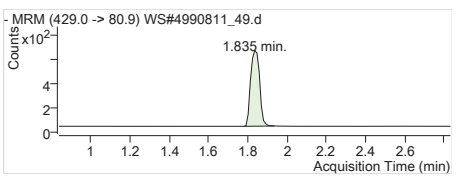


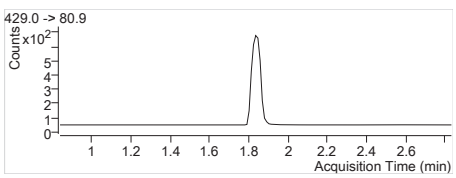
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



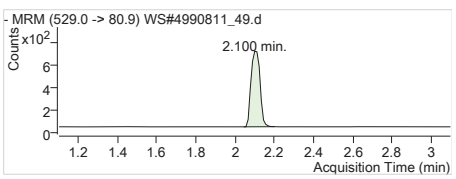


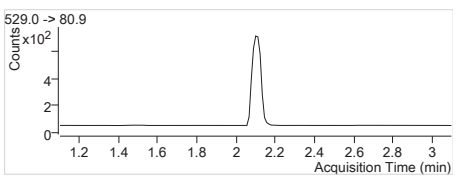
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



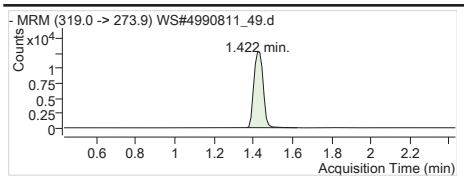


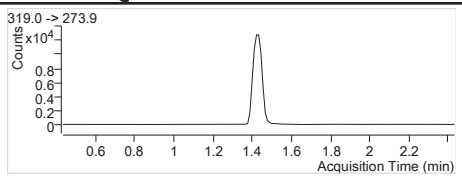
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



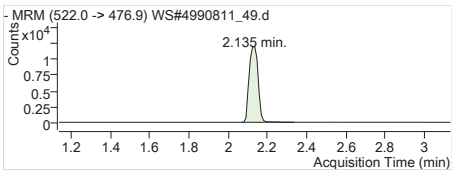


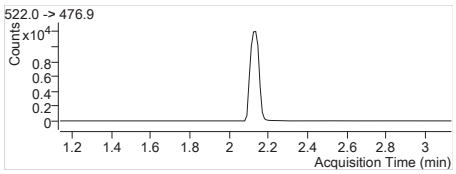
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



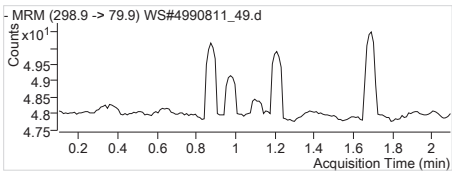


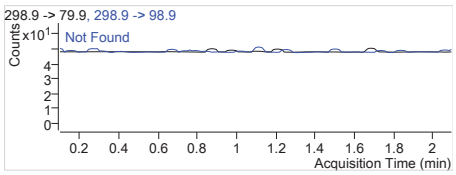
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



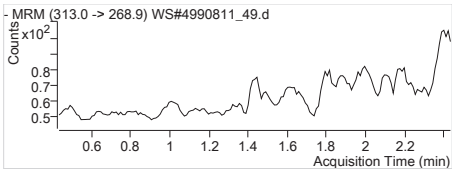


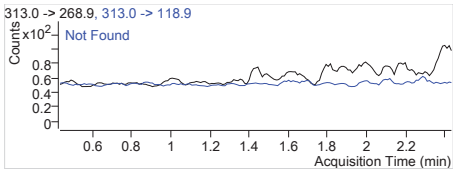
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.135 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



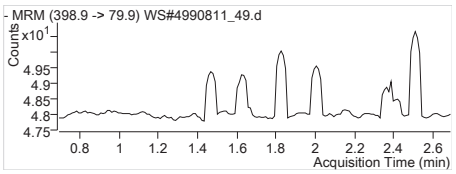


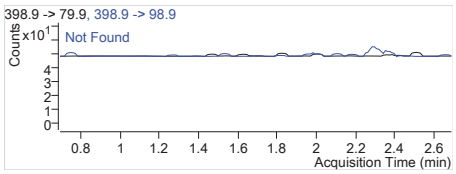
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



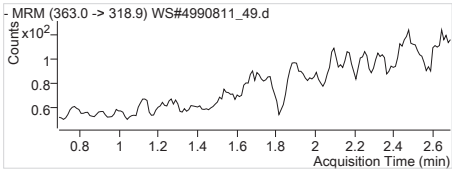


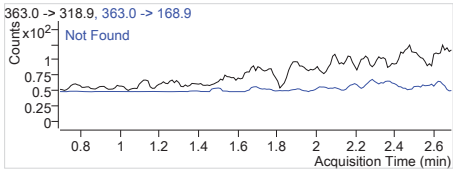
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



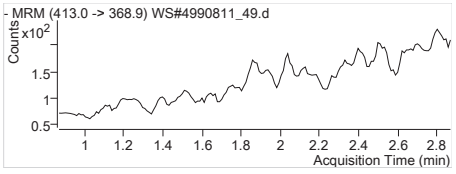


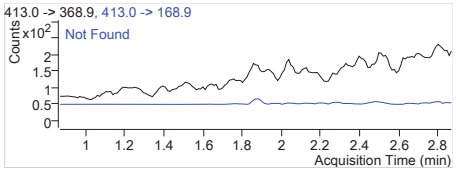
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



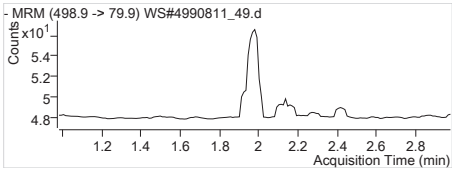


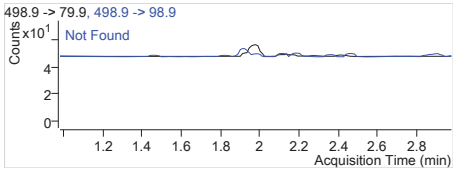
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



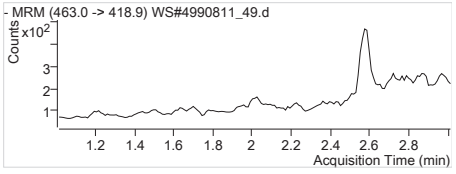


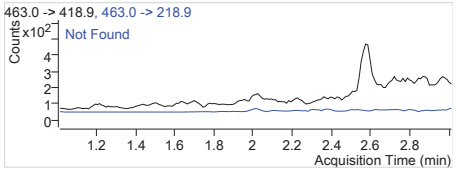
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



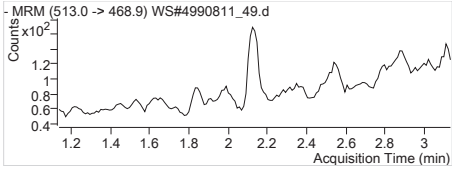


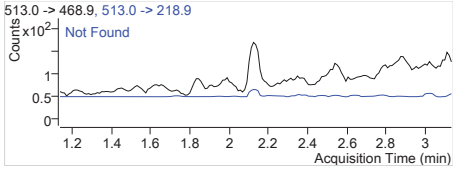
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



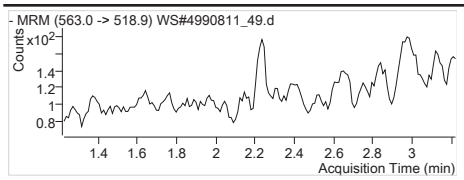


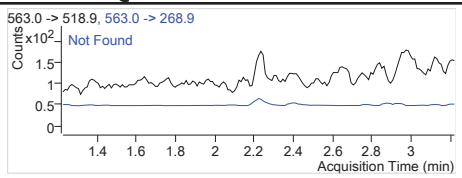
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



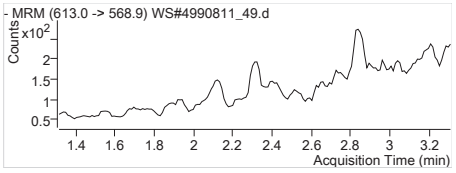


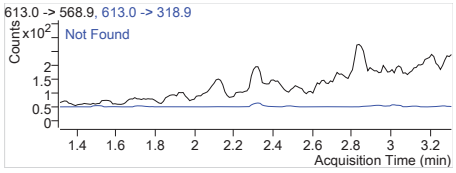
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



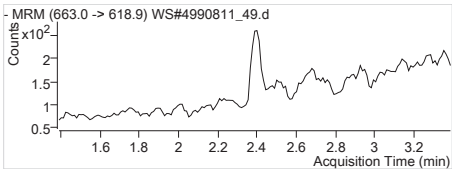


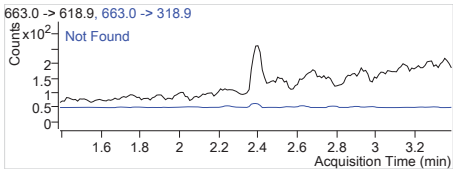
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



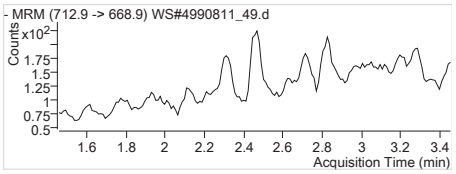


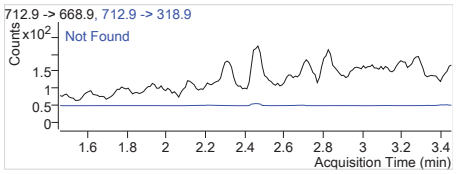
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



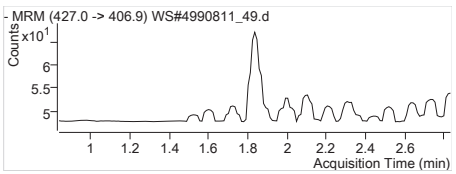


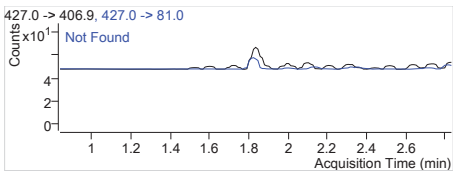
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



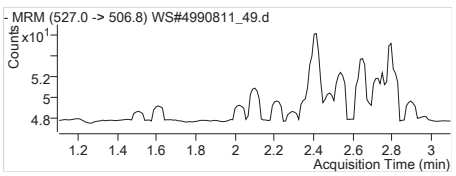


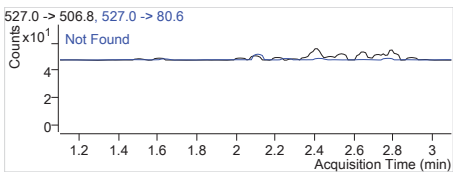
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



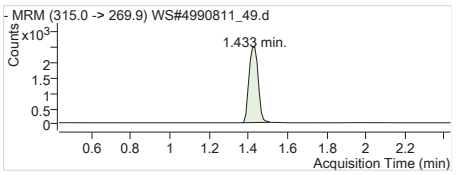


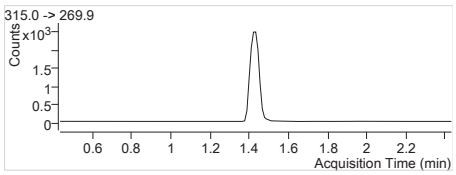
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



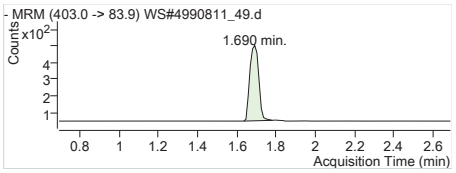


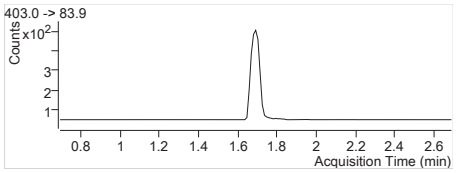
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



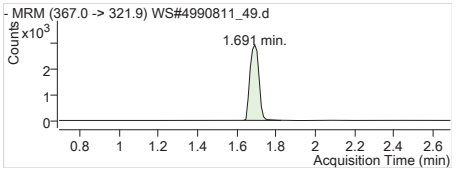


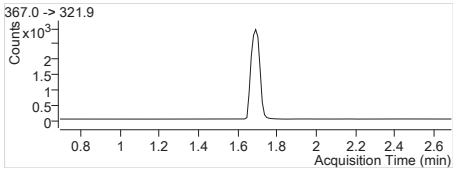
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 99.37 µg/Kg
Area ratio: 0.19137
Sample type: Sample



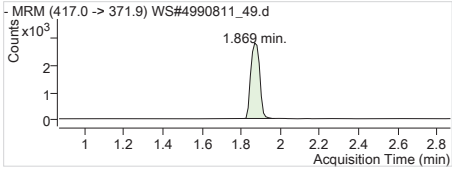


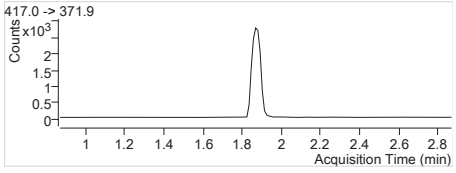
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 96.56 µg/Kg
Area ratio: 0.03446
Sample type: Sample



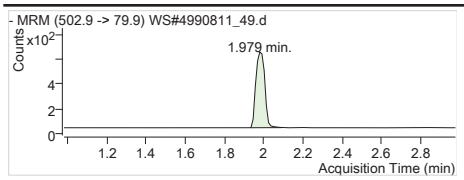


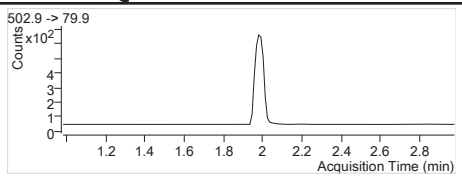
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 105.10 µg/Kg
Area ratio: 0.22081
Sample type: Sample



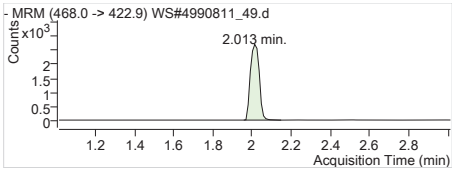


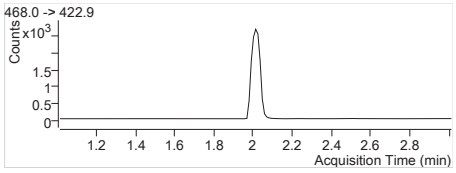
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 102.62 µg/Kg
Area ratio: 0.20798
Sample type: Sample



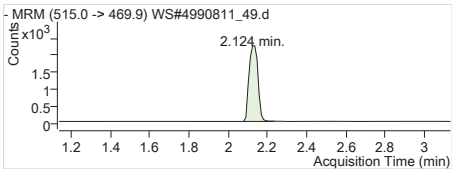


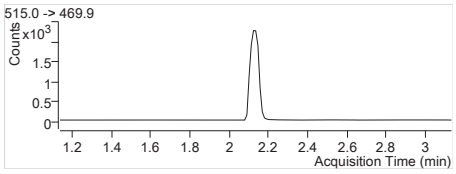
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 105.39 µg/Kg
Area ratio: 0.04624
Sample type: Sample



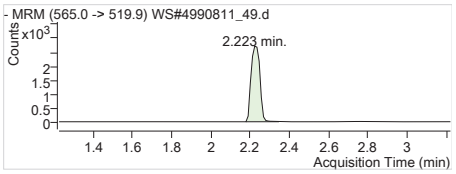


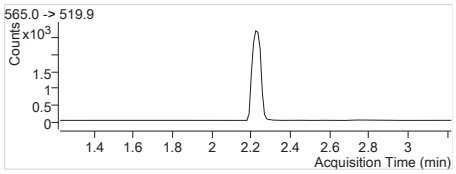
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 97.58 µg/Kg
Area ratio: 0.19989
Sample type: Sample



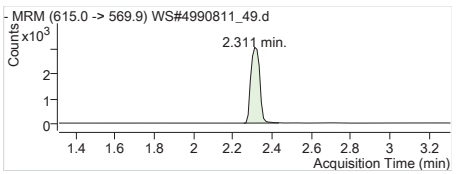


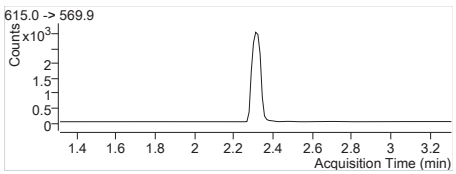
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 99.11 µg/Kg
Area ratio: 0.18575
Sample type: Sample



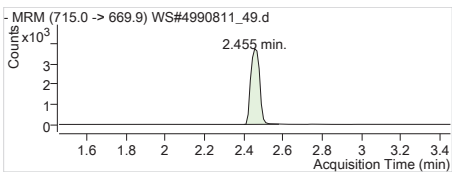


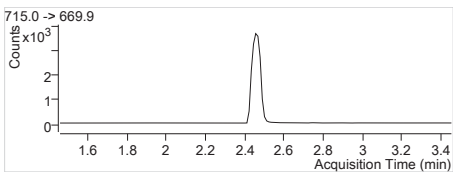
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 101.75 µg/Kg
Area ratio: 0.21995
Sample type: Sample



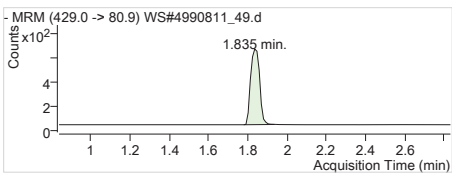


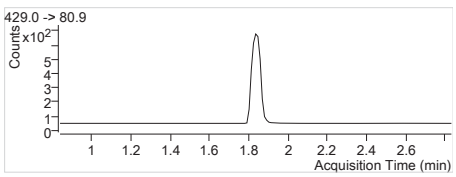
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 100.14 µg/Kg
Area ratio: 0.24824
Sample type: Sample



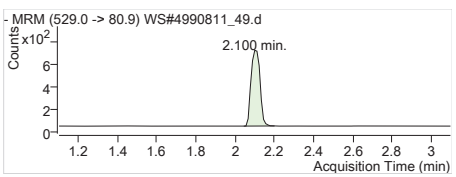


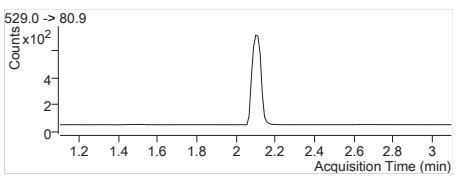
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 100.13 µg/Kg
Area ratio: 0.30503
Sample type: Sample



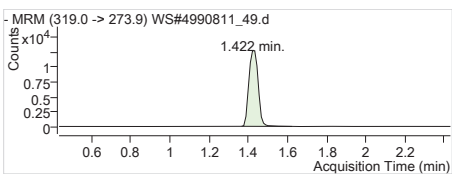


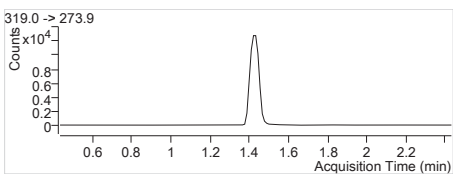
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 98.58 µg/Kg
Area ratio: 0.04813
Sample type: Sample



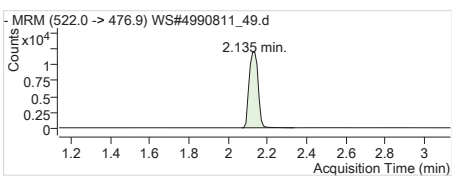


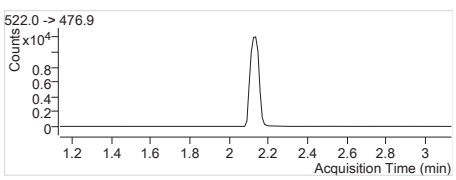
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 101.86 µg/Kg
Area ratio: 0.05129
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 137.75 µg/Kg
Area ratio: 0
Sample type: Sample





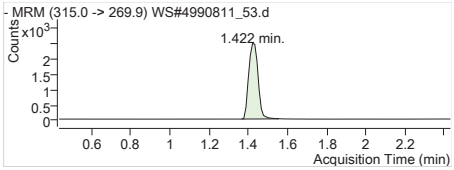
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.135 (2.134)
Calc. conc. 139.06 µg/Kg
Area ratio: 0
Sample type: Sample

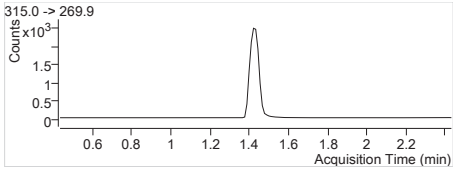
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_53.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/25 12:32:38 AM	**Injection Volume**	Per Method
Sample Annotation	-		

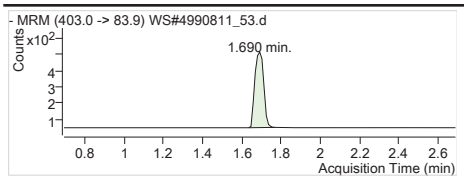
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8080	1.42	1 µg/Kg		
MPFHxS	1474	1.69	1 µg/Kg		
MPFHpA	8658	1.69	1 µg/Kg		
MPFOA	8246	1.87	1 µg/Kg		
MPFOS	1918	1.98	1 µg/Kg		
MPFNA	8387	2.01	1 µg/Kg		
MPFDA	7239	2.12	1 µg/Kg		
MPFUnA	8500	2.22	1 µg/Kg		
MPFDoA	9516	2.31	1 µg/Kg		
MPFTeDA	11802	2.46	1 µg/Kg		
M2 6:2 FTS	2077	1.83	1 µg/Kg		
M2 8:2 FTS	2148	2.10	1 µg/Kg		
13C6-PFHxA IS	41954	1.43	1 µg/Kg		
13C9-PFDA IS	38267	2.12	1 µg/Kg		

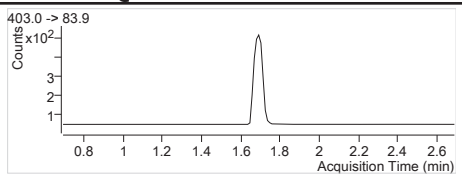
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	273	1.87	-	0.12 µg/Kg	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8080	1.42	-	100.01 µg/Kg	-
18O2-PFHxS	1474	1.69	-	98.44 µg/Kg	-
13C4-PFHpA	8658	1.69	-	98.22 µg/Kg	-
13C4-PFOA	8246	1.87	-	96.98 µg/Kg	-
13C4-PFOS	1918	1.98	-	104.20 µg/Kg	-
13C5-PFNA	8387	2.01	-	97.59 µg/Kg	-
13C2-PFDA	7239	2.12	-	100.93 µg/Kg	-
13C2-PFUnA	8500	2.22	-	102.75 µg/Kg	-
13C2-PFDoA	9516	2.31	-	100.32 µg/Kg	-
13C2-PFTeDA	11802	2.46	-	101.23 µg/Kg	-
13C2-6:2-FTS	2077	1.83	-	101.40 µg/Kg	-
13C2-8:2 FTS	2148	2.10	-	101.68 µg/Kg	-
13C6-PFHxA	41954	1.43	-	138.32 µg/Kg	-
13C9-PFDA	38267	2.12	-	139.66 µg/Kg	-



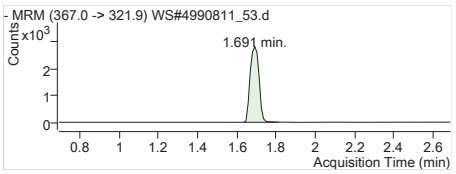


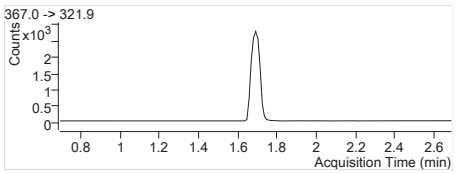
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



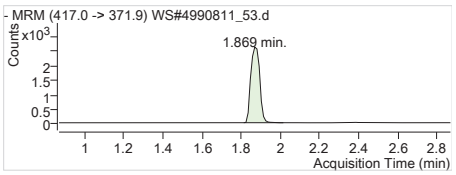


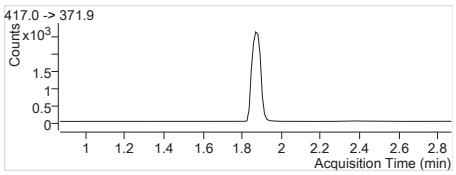
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



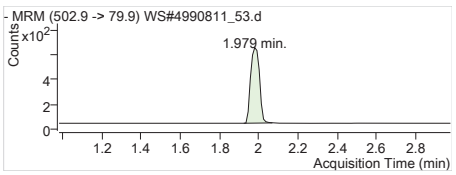


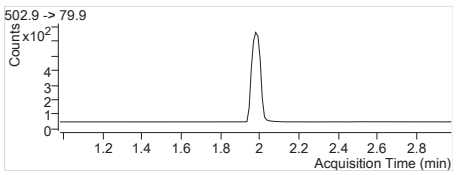
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



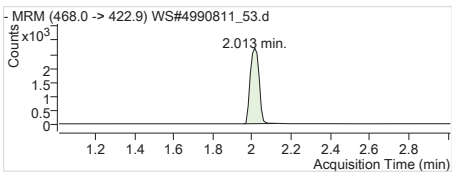


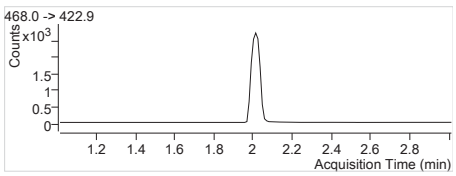
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



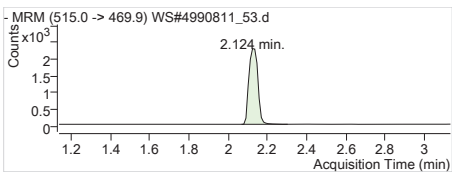


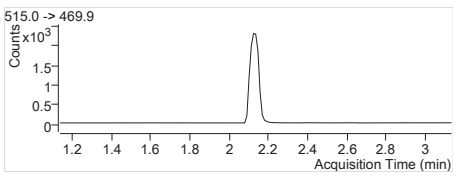
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



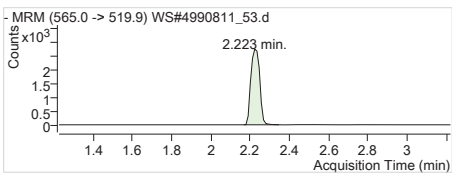


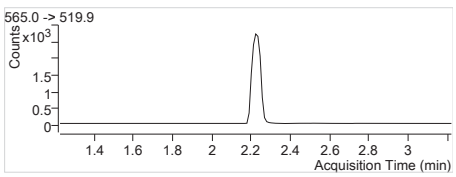
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



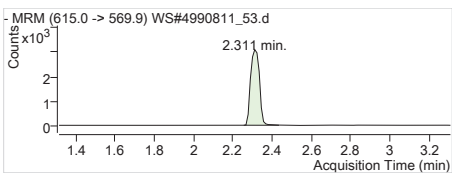


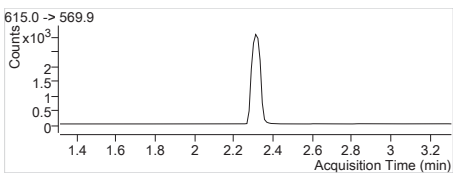
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



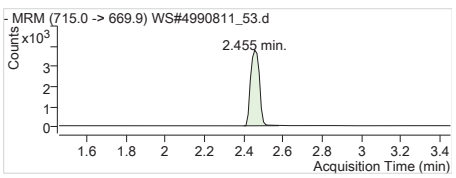


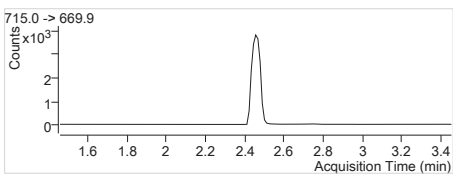
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



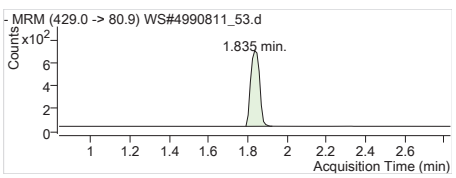


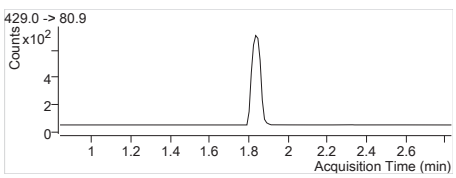
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



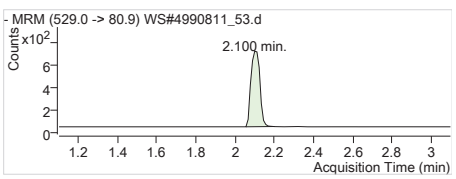


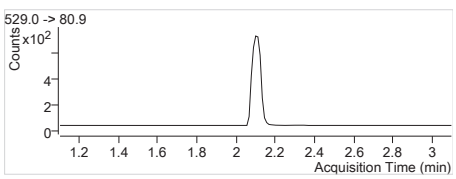
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



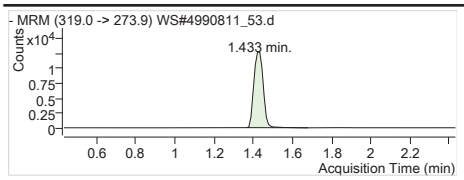


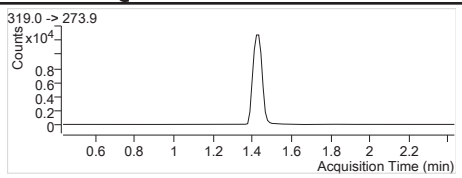
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



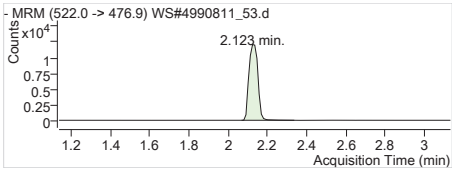


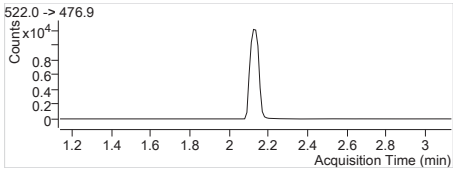
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



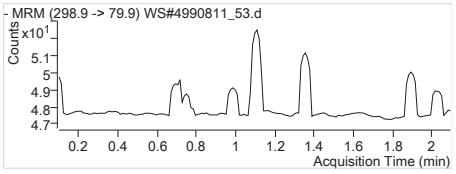


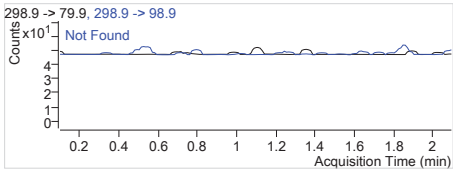
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



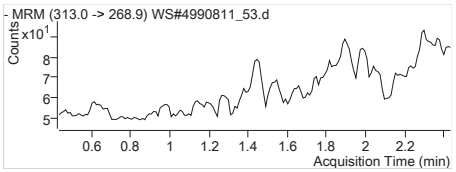


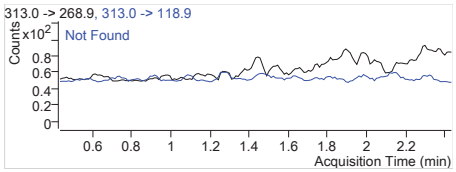
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



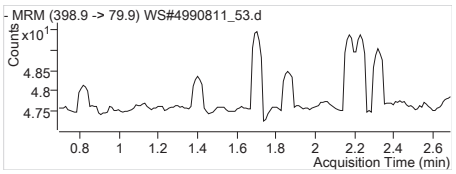


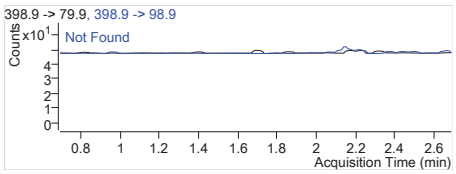
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



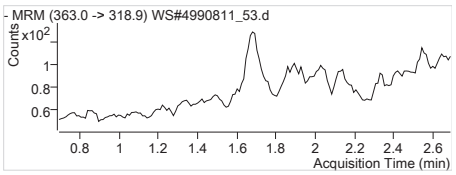


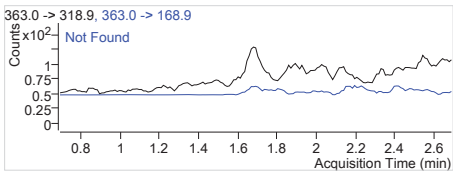
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



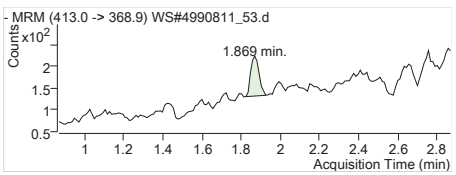


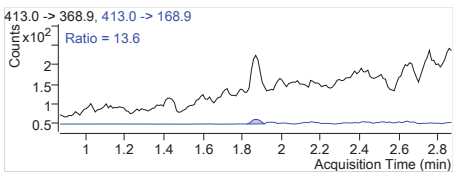
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



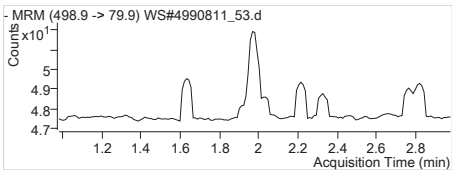


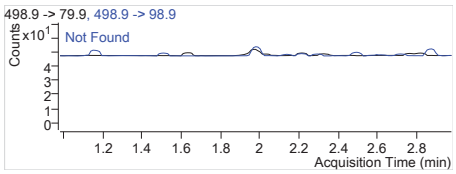
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



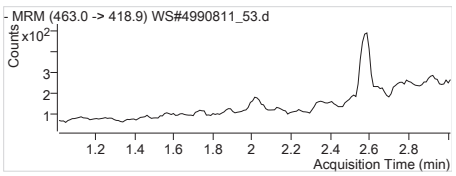


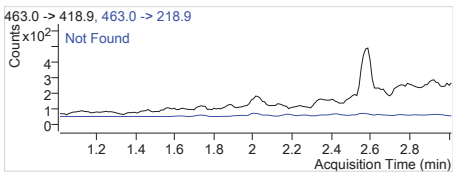
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 0.12 µg/Kg
Area ratio: 0.03311
Sample type: Sample



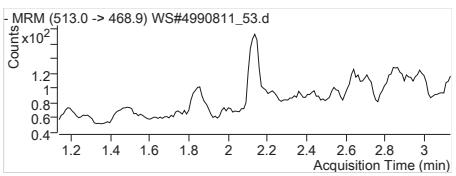


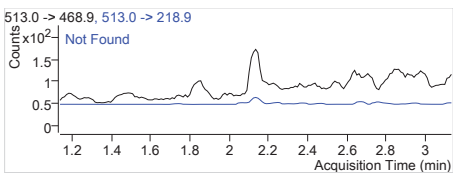
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



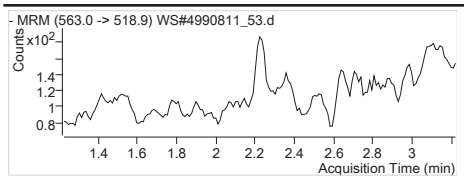


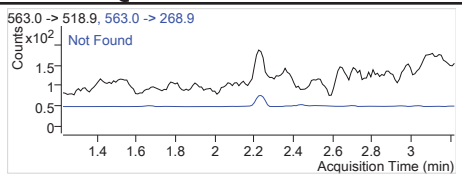
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



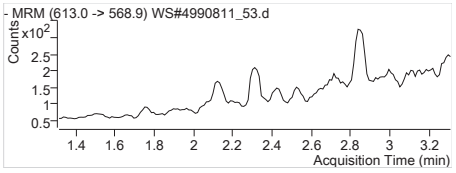


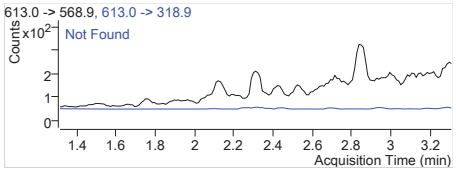
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



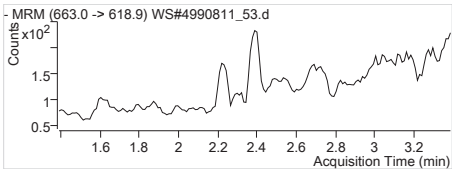


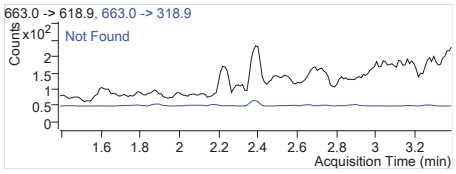
PFUnA 1	563.0 -> 518.9
RT (Exp. RT):	0.000 (2.223)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



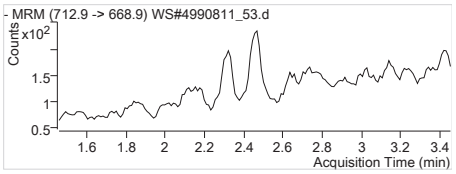


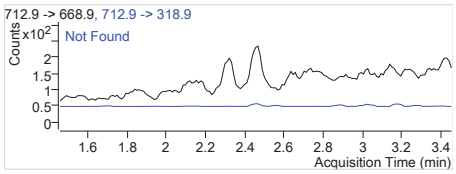
PFDoA 1	613.0 -> 568.9
RT (Exp. RT):	0.000 (2.311)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



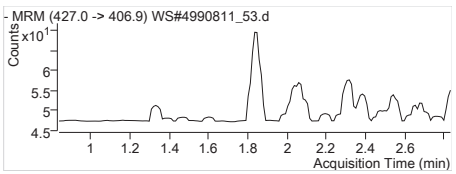


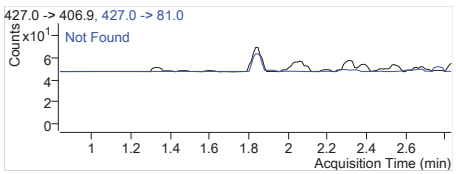
PFTrDA 1	663.0 -> 618.9
RT (Exp. RT):	0.000 (2.388)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



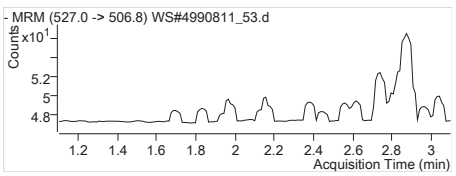


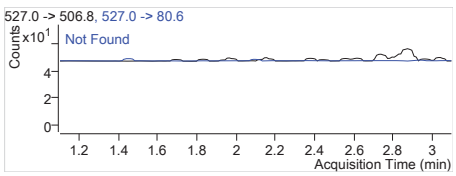
PFTeDA 1	712.9 -> 668.9
RT (Exp. RT):	0.000 (2.455)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



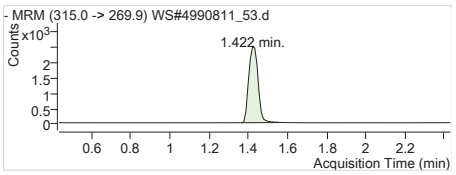


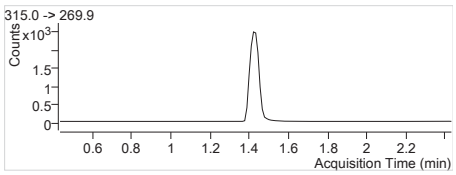
6:2-FTS 1	427.0 -> 406.9
RT (Exp. RT):	0.000 (1.835)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



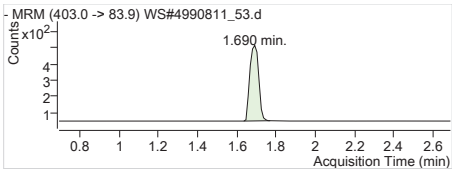


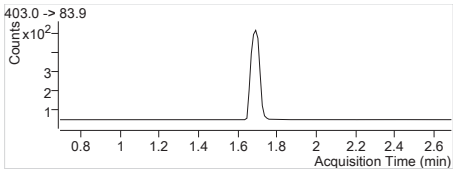
8:2-FTS 1	527.0 -> 506.8
RT (Exp. RT):	0.000 (2.100)
Calc. conc.	N.D.
Area ratio:	0
Sample type:	Sample



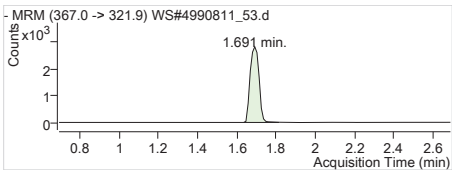


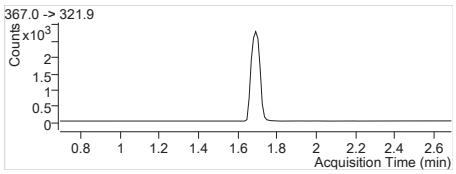
13C2-PFHxA	315.0 -> 269.9
RT (Exp. RT):	1.422 (1.433)
Calc. conc.	100.01 µg/Kg
Area ratio:	0.19259
Sample type:	Sample



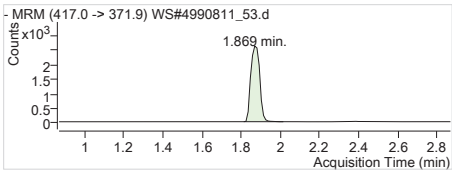


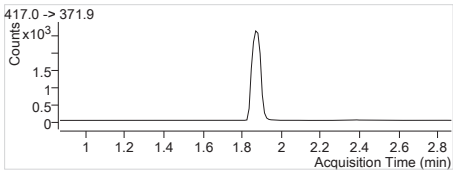
18O2-PFHxS	403.0 -> 83.9
RT (Exp. RT):	1.690 (1.690)
Calc. conc.	98.44 µg/Kg
Area ratio:	0.03513
Sample type:	Sample



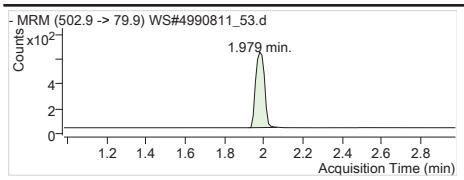


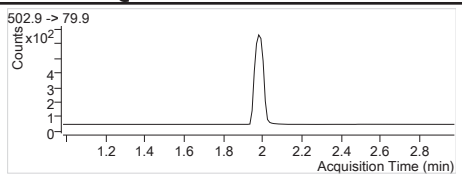
13C4-PFHpA	367.0 -> 321.9
RT (Exp. RT):	1.691 (1.691)
Calc. conc.	98.22 µg/Kg
Area ratio:	0.20637
Sample type:	Sample



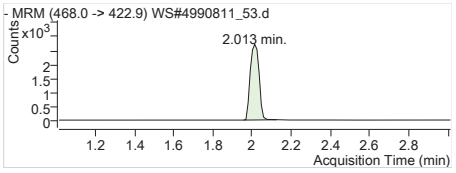


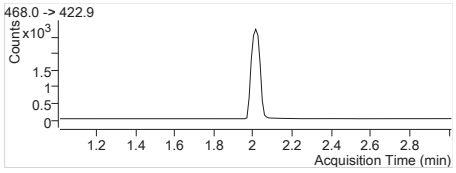
13C4-PFOA	417.0 -> 371.9
RT (Exp. RT):	1.869 (1.869)
Calc. conc.	96.98 µg/Kg
Area ratio:	0.19655
Sample type:	Sample



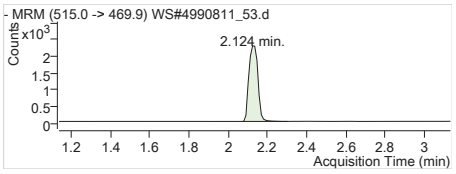


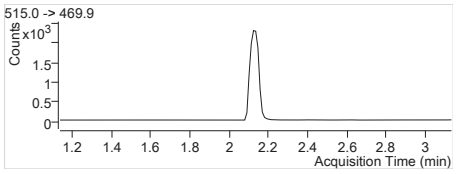
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 104.20 µg/Kg
Area ratio: 0.04572
Sample type: Sample



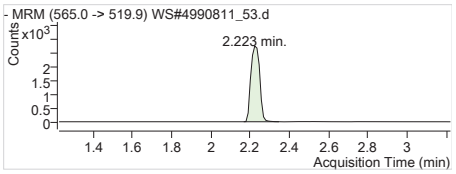


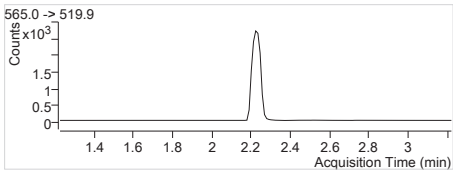
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 97.59 µg/Kg
Area ratio: 0.19991
Sample type: Sample



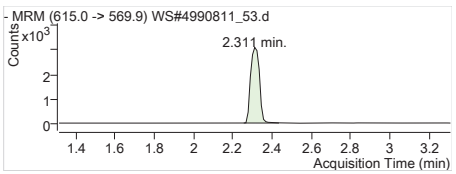


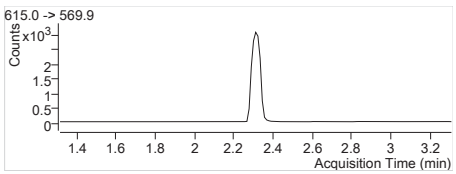
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 100.93 µg/Kg
Area ratio: 0.18917
Sample type: Sample



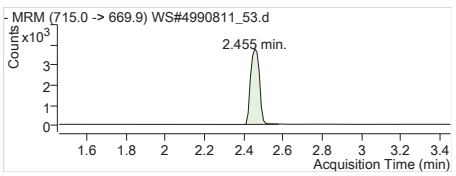


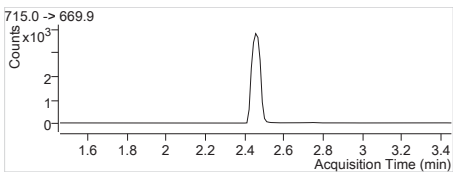
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 102.75 µg/Kg
Area ratio: 0.22212
Sample type: Sample



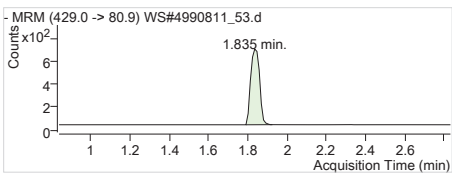


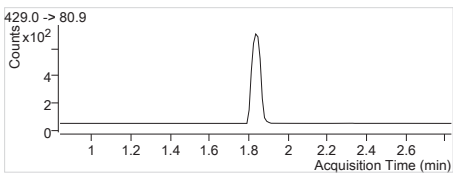
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 100.32 µg/Kg
Area ratio: 0.24867
Sample type: Sample



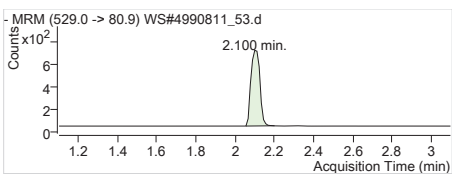


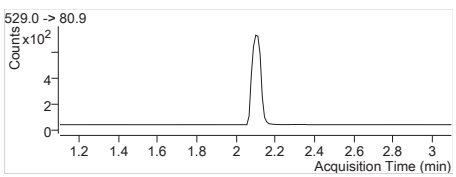
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 101.23 µg/Kg
Area ratio: 0.30841
Sample type: Sample



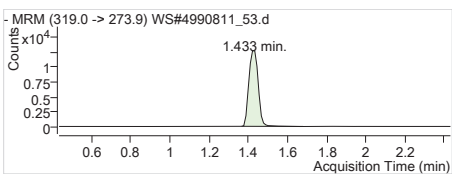


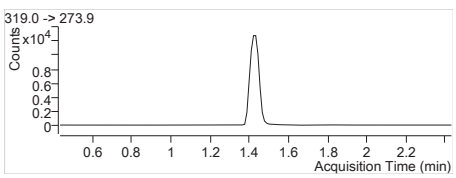
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 101.40 µg/Kg
Area ratio: 0.04951
Sample type: Sample



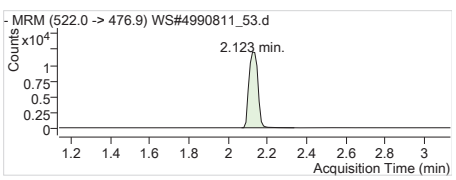


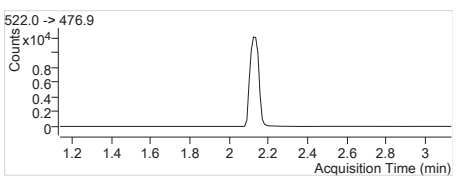
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 101.68 µg/Kg
Area ratio: 0.05120
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 138.32 µg/Kg
Area ratio: 0
Sample type: Sample





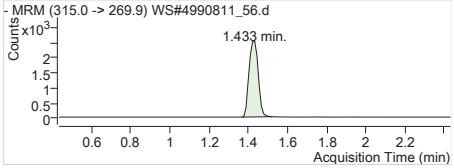
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 139.66 µg/Kg
Area ratio: 0
Sample type: Sample

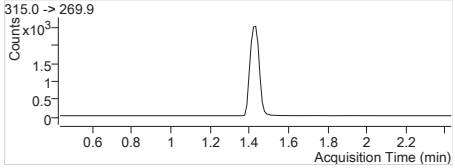
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_56.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/25 12:47:20 AM	**Injection Volume**	Per Method
Sample Annotation	-		

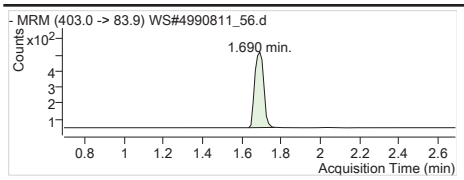
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8150	1.43	1 µg/Kg		
MPFHxS	1497	1.69	1 µg/Kg		
MPFHpA	8690	1.69	1 µg/Kg		
MPFOA	8897	1.87	1 µg/Kg		
MPFOS	1769	1.98	1 µg/Kg		
MPFNA	8167	2.01	1 µg/Kg		
MPFDA	7566	2.12	1 µg/Kg		
MPFUnA	8605	2.22	1 µg/Kg		
MPFDoA	8959	2.31	1 µg/Kg		
MPFTeDA	11305	2.46	1 µg/Kg		
M2 6:2 FTS	2201	1.83	1 µg/Kg		
M2 8:2 FTS	2180	2.10	1 µg/Kg		
13C6-PFHxA IS	40593	1.43	1 µg/Kg		
13C9-PFDA IS	39127	2.12	1 µg/Kg		

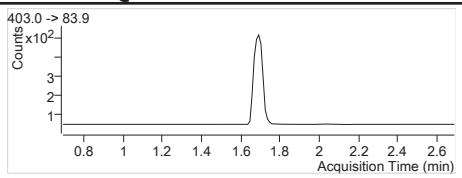
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	372	1.89	-	0.15 µg/Kg	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8150	1.43	-	104.26 µg/Kg	-
18O2-PFHxS	1497	1.69	-	103.33 µg/Kg	-
13C4-PFHpA	8690	1.69	-	101.89 µg/Kg	-
13C4-PFOA	8897	1.87	-	108.14 µg/Kg	-
13C4-PFOS	1769	1.98	-	99.32 µg/Kg	-
13C5-PFNA	8167	2.01	-	98.22 µg/Kg	-
13C2-PFDA	7566	2.12	-	103.17 µg/Kg	-
13C2-PFUnA	8605	2.22	-	101.73 µg/Kg	-
13C2-PFDoA	8959	2.31	-	92.37 µg/Kg	-
13C2-PFTeDA	11305	2.46	-	94.84 µg/Kg	-
13C2-6:2-FTS	2201	1.83	-	111.06 µg/Kg	-
13C2-8:2 FTS	2180	2.10	-	106.65 µg/Kg	-
13C6-PFHxA	40593	1.43	-	133.83 µg/Kg	-
13C9-PFDA	39127	2.12	-	142.80 µg/Kg	-



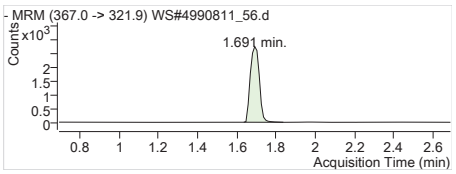


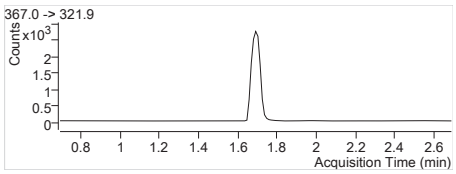
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



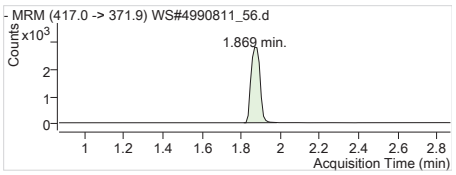


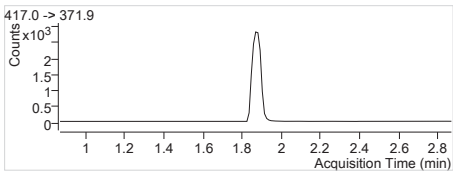
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



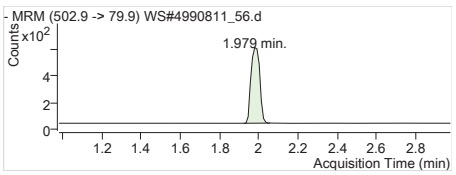


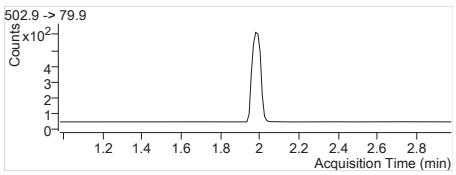
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



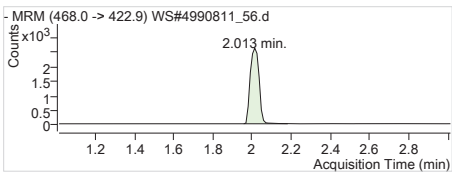


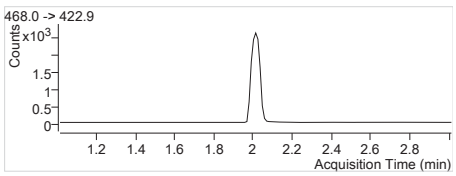
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



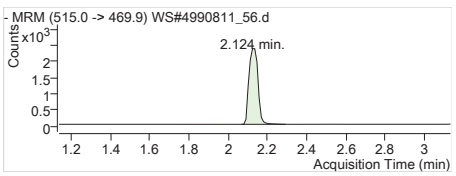


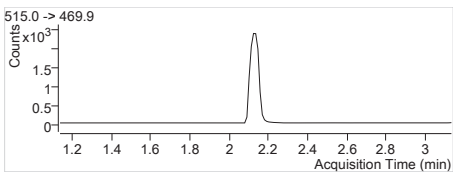
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



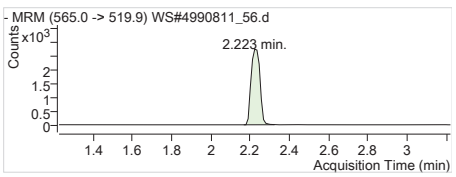


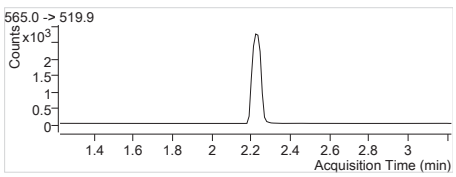
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



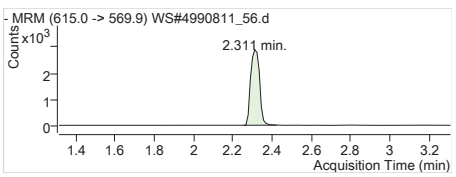


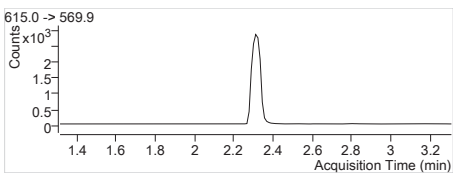
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



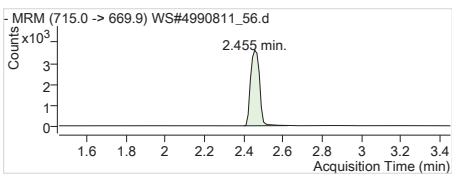


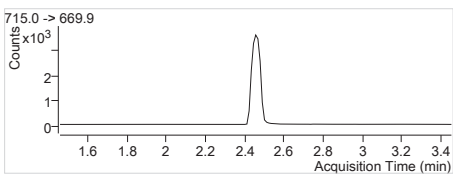
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



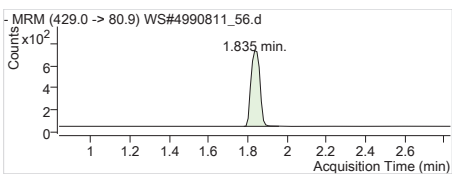


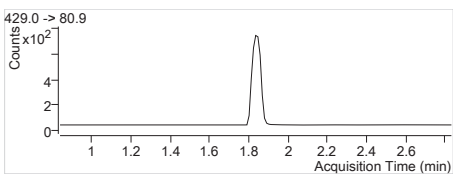
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



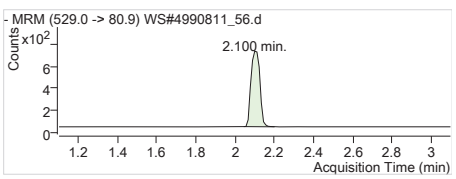


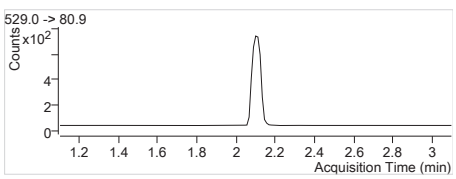
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



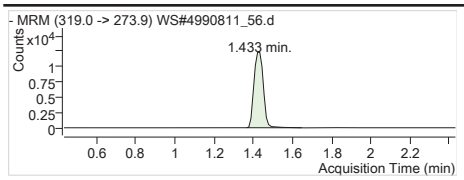


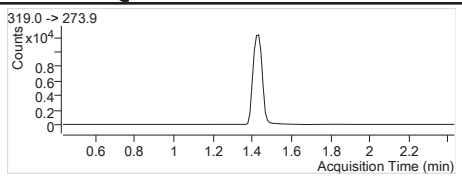
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



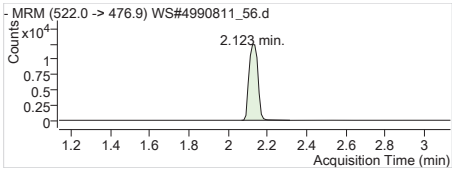


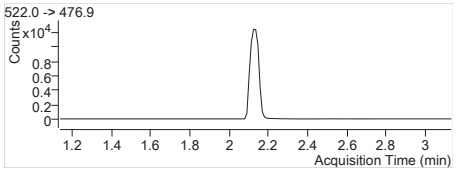
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



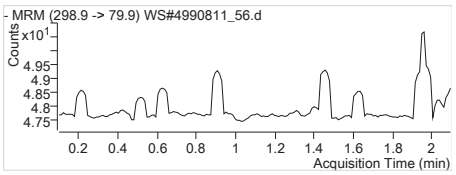


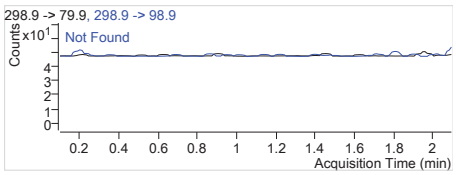
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



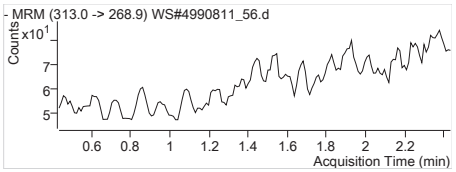


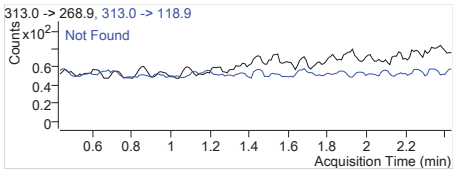
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



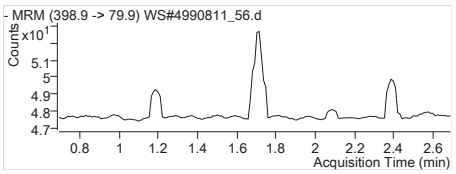


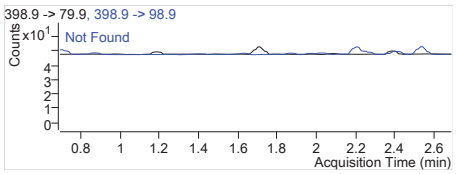
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



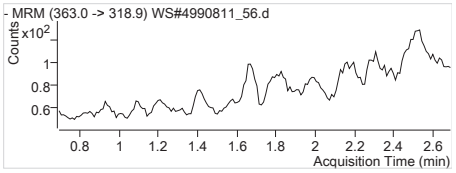


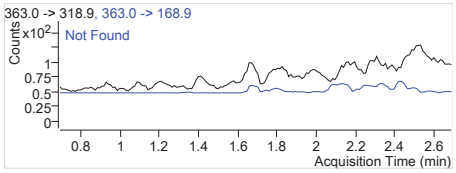
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



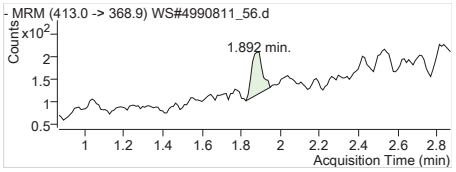


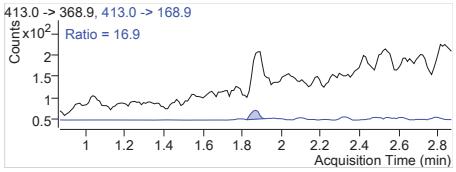
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



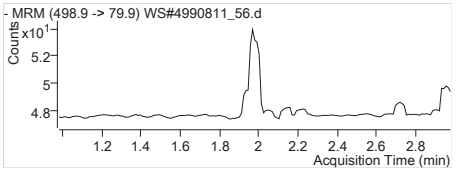


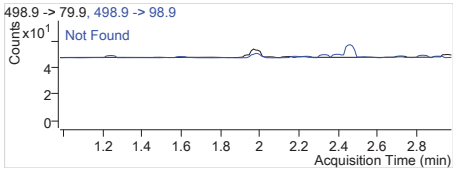
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



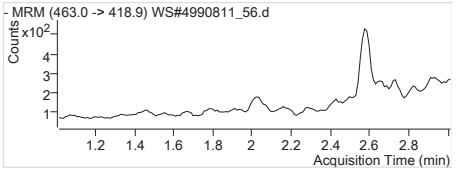


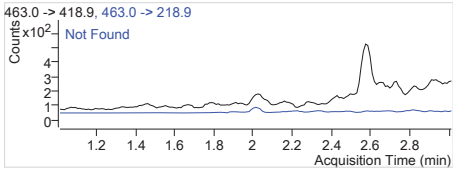
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.892 (1.869)
Calc. conc. 0.15 µg/Kg
Area ratio: 0.04181
Sample type: Sample



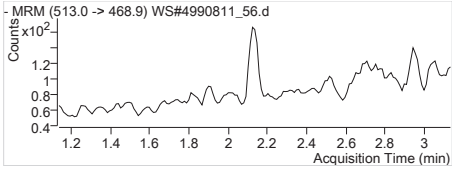


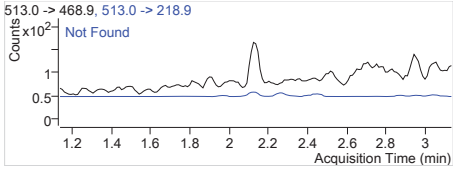
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



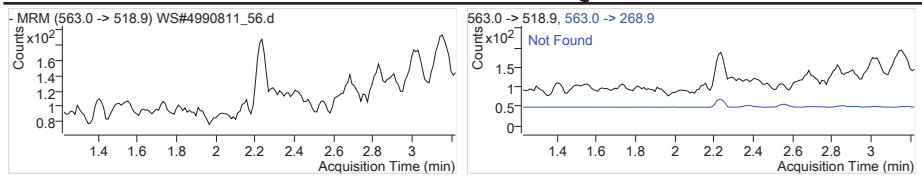


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

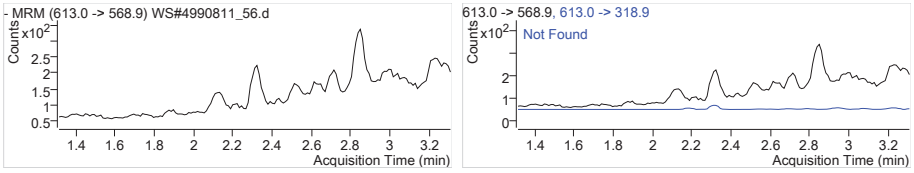




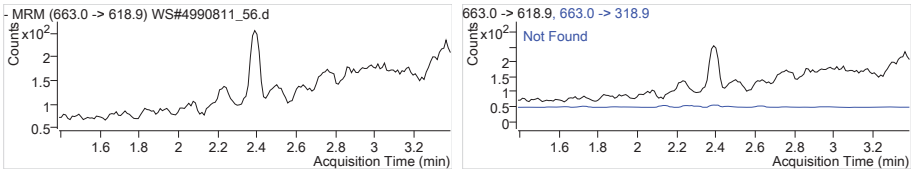
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



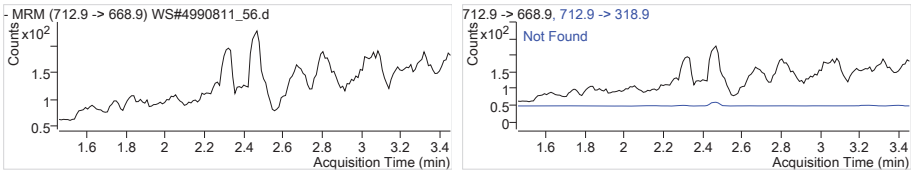
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



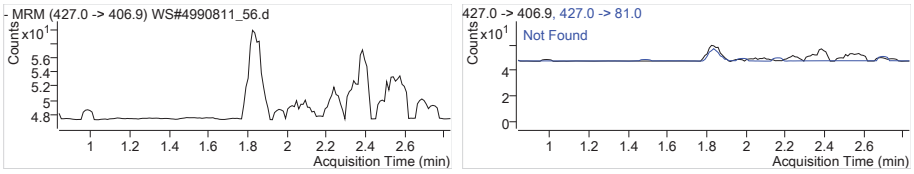
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



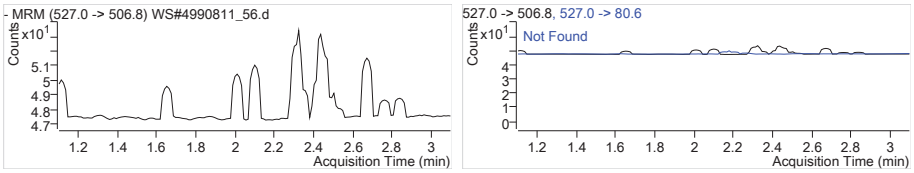
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



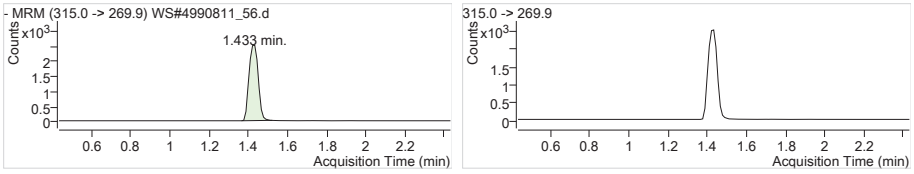
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



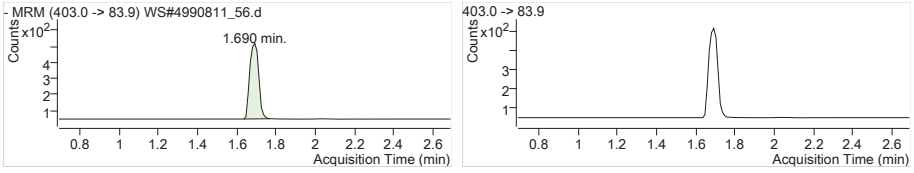
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



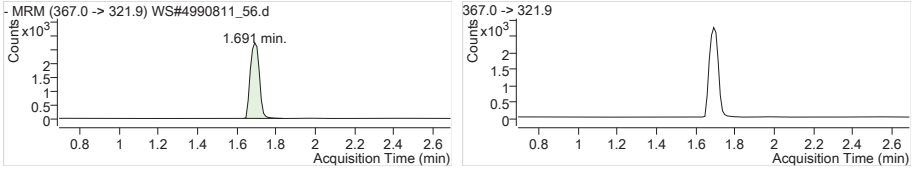
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



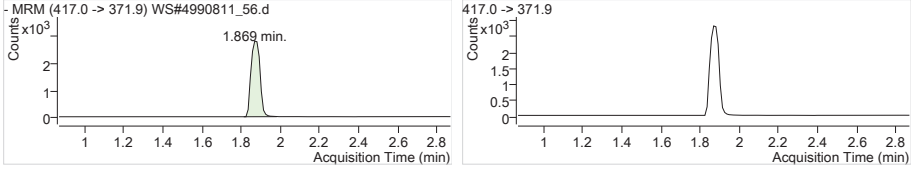
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 104.26 µg/Kg
Area ratio: 0.20077
Sample type: Sample



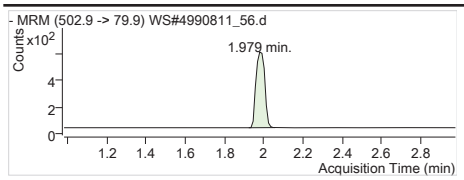
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 103.33 µg/Kg
Area ratio: 0.03688
Sample type: Sample

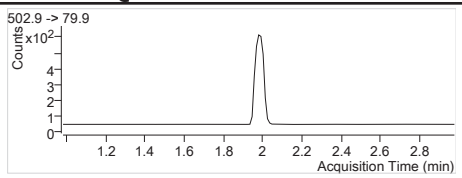


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 101.89 µg/Kg
Area ratio: 0.21408
Sample type: Sample

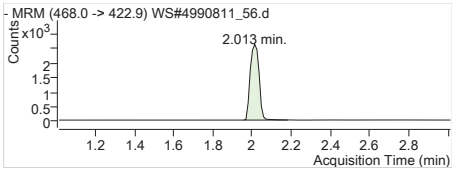


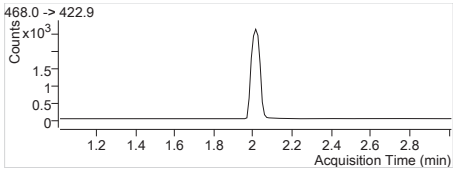
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 108.14 µg/Kg
Area ratio: 0.21918
Sample type: Sample



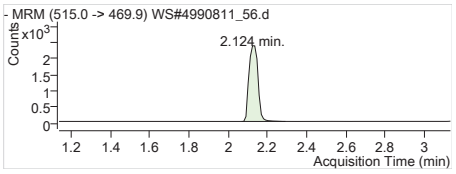


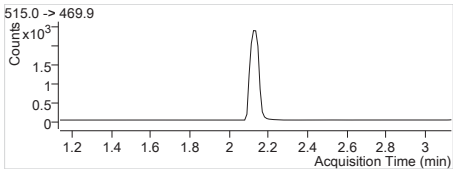
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 99.32 µg/Kg
Area ratio: 0.04358
Sample type: Sample



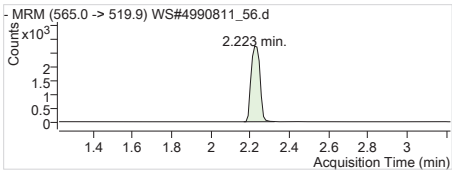


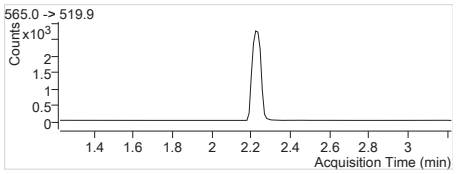
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 98.22 µg/Kg
Area ratio: 0.20119
Sample type: Sample



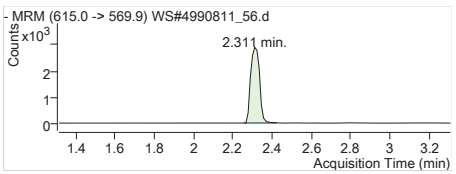


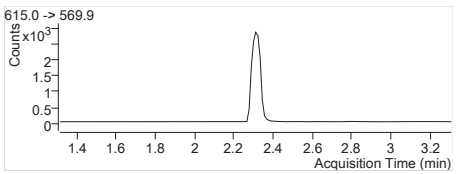
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 103.17 µg/Kg
Area ratio: 0.19337
Sample type: Sample



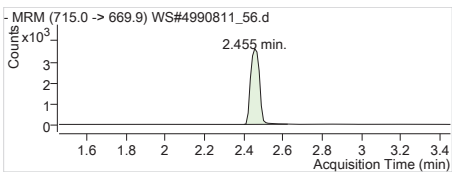


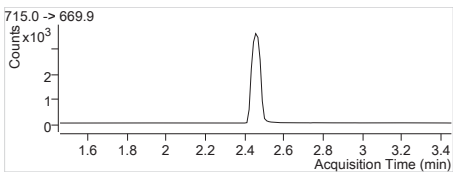
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 101.73 µg/Kg
Area ratio: 0.21992
Sample type: Sample



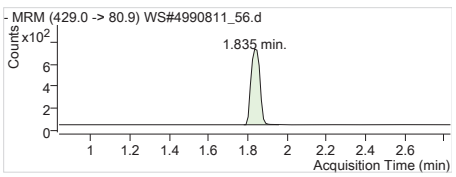


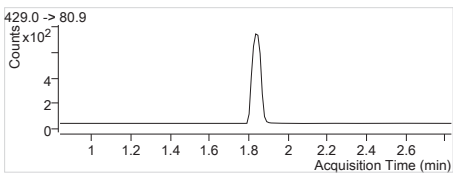
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 92.37 µg/Kg
Area ratio: 0.22897
Sample type: Sample



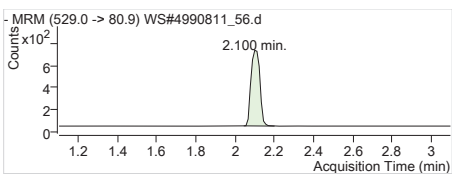


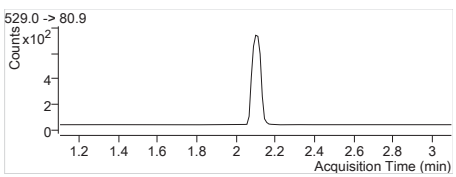
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 94.84 µg/Kg
Area ratio: 0.28893
Sample type: Sample



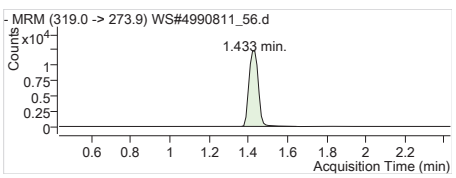


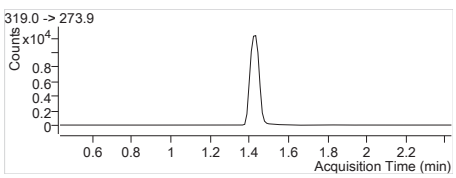
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 111.06 µg/Kg
Area ratio: 0.05422
Sample type: Sample



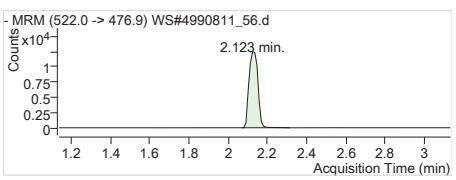


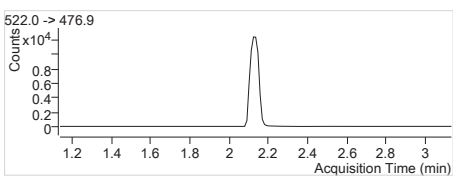
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 106.65 µg/Kg
Area ratio: 0.05370
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 133.83 µg/Kg
Area ratio: 0
Sample type: Sample





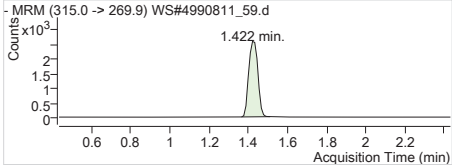
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 142.80 µg/Kg
Area ratio: 0
Sample type: Sample

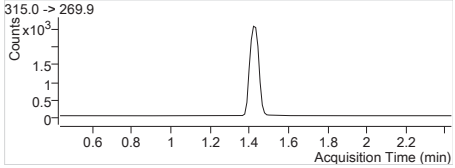
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_59.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/25 1:02:02 AM	**Injection Volume**	Per Method
Sample Annotation	-		

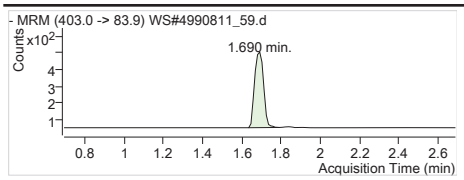
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8233	1.42	1 µg/Kg		
MPFHxS	1463	1.69	1 µg/Kg		
MPFHpA	9263	1.69	1 µg/Kg		
MPFOA	8373	1.87	1 µg/Kg		
MPFOS	1860	1.98	1 µg/Kg		
MPFNA	7935	2.01	1 µg/Kg		
MPFDA	7355	2.12	1 µg/Kg		
MPFUnA	7911	2.22	1 µg/Kg		
MPFDoA	9539	2.31	1 µg/Kg		
MPFTeDA	11811	2.46	1 µg/Kg		
M2 6:2 FTS	2180	1.83	1 µg/Kg		
M2 8:2 FTS	2094	2.10	1 µg/Kg		
13C6-PFHxA IS	41541	1.42	1 µg/Kg		
13C9-PFDA IS	38766	2.12	1 µg/Kg		

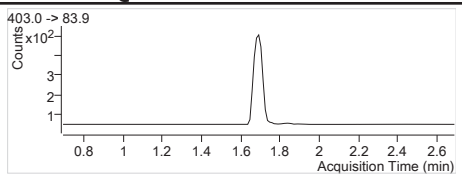
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8233	1.42	-	102.91 µg/Kg	-
18O2-PFHxS	1463	1.69	-	98.68 µg/Kg	-
13C4-PFHpA	9263	1.69	-	106.13 µg/Kg	-
13C4-PFOA	8373	1.87	-	99.45 µg/Kg	-
13C4-PFOS	1860	1.98	-	102.05 µg/Kg	-
13C5-PFNA	7935	2.01	-	93.25 µg/Kg	-
13C2-PFDA	7355	2.12	-	101.23 µg/Kg	-
13C2-PFUnA	7911	2.22	-	94.40 µg/Kg	-
13C2-PFDoA	9539	2.31	-	99.27 µg/Kg	-
13C2-PFTeDA	11811	2.46	-	100.01 µg/Kg	-
13C2-6:2-FTS	2180	1.83	-	107.49 µg/Kg	-
13C2-8:2 FTS	2094	2.10	-	100.11 µg/Kg	-
13C6-PFHxA	41541	1.42	-	136.96 µg/Kg	-
13C9-PFDA	38766	2.12	-	141.48 µg/Kg	-



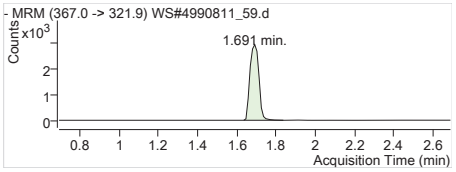


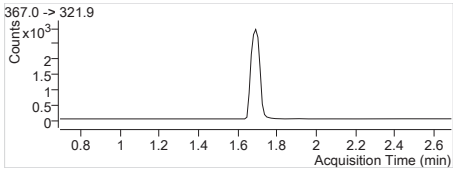
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



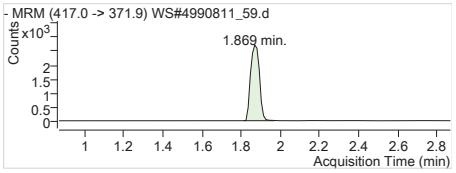


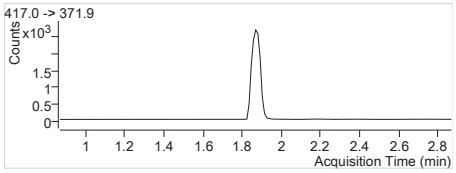
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



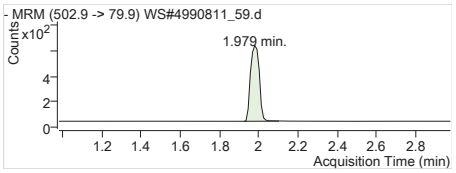


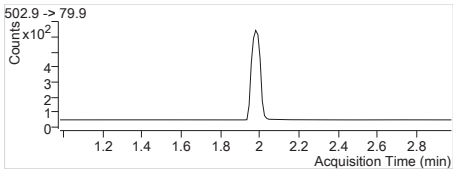
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



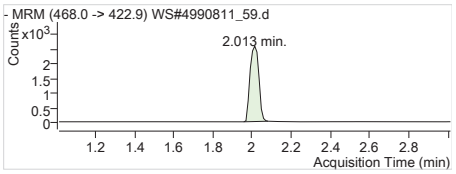


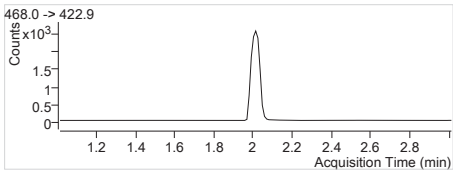
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



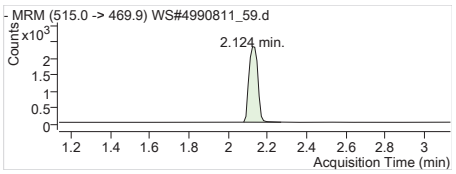


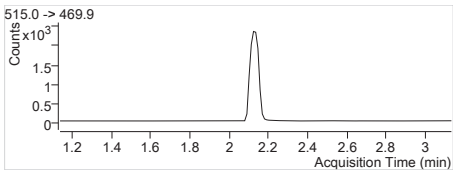
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



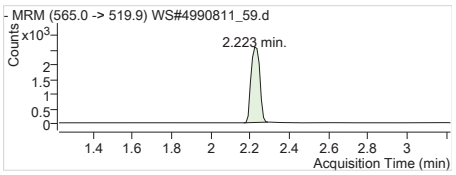


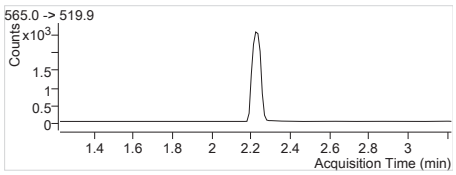
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



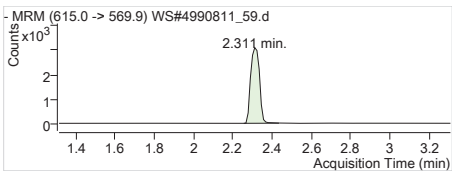


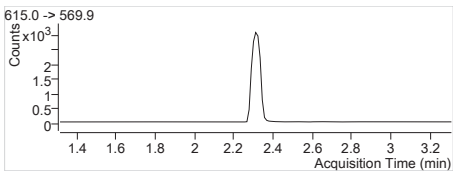
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



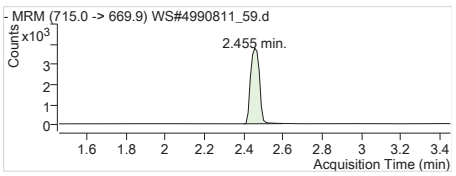


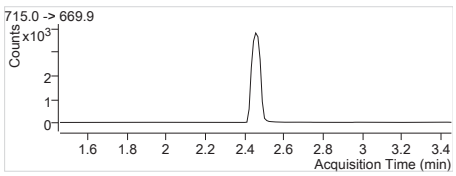
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



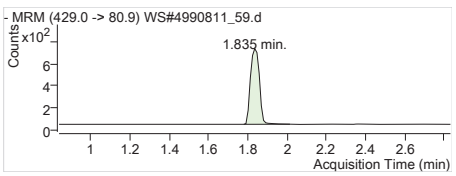


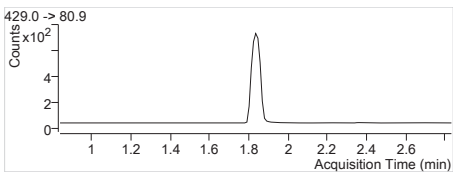
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



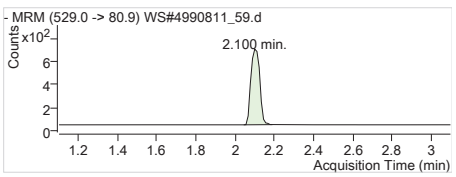


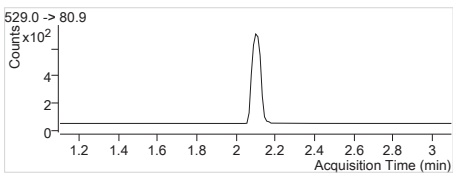
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



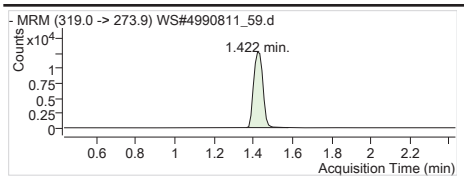


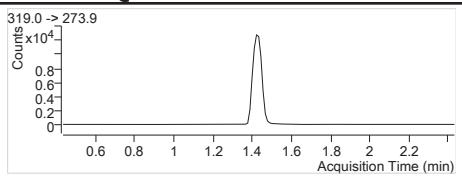
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



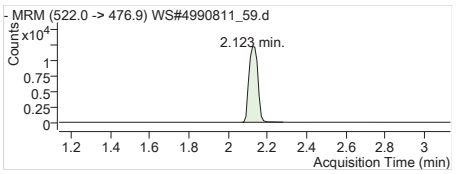


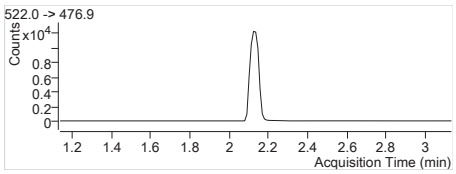
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



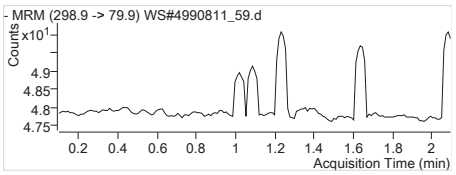


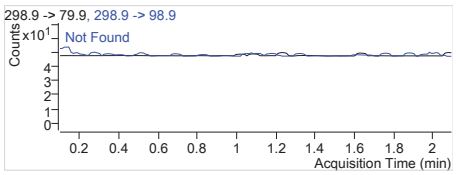
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



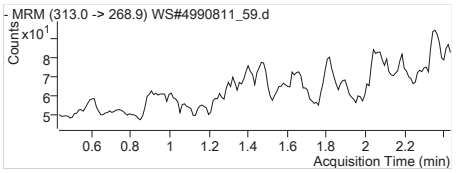


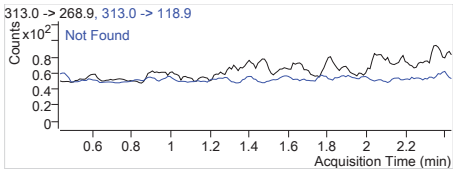
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



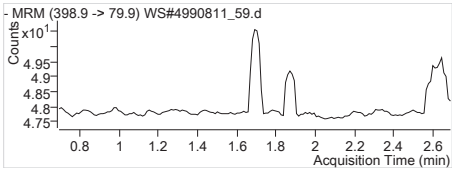


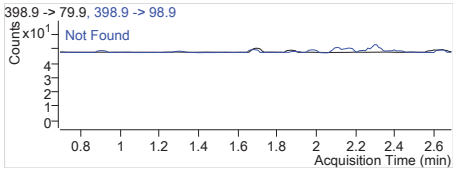
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



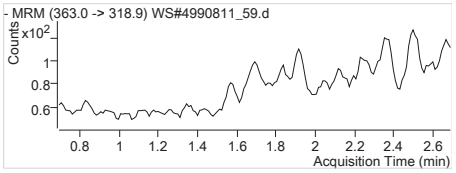


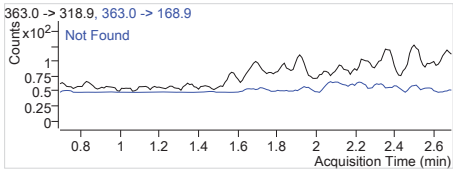
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



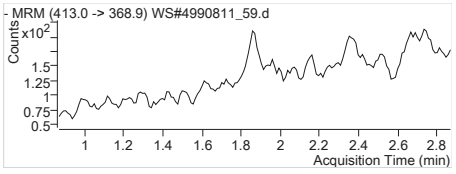


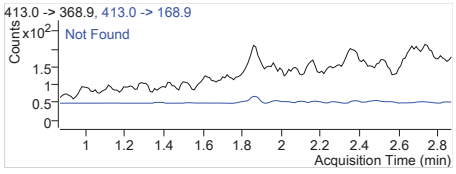
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



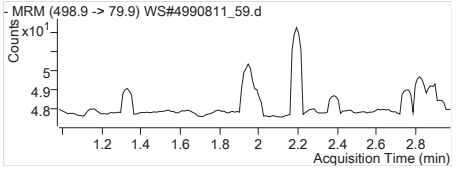


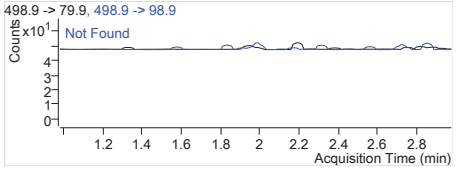
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



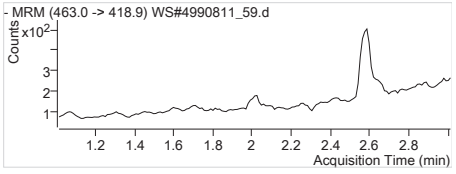


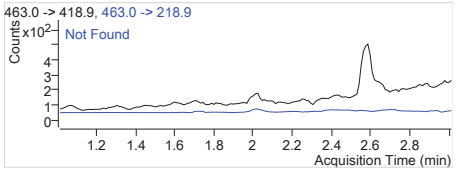
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



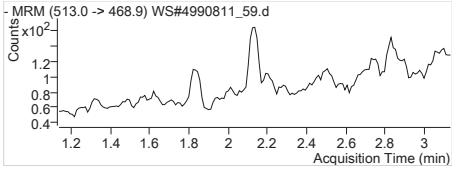


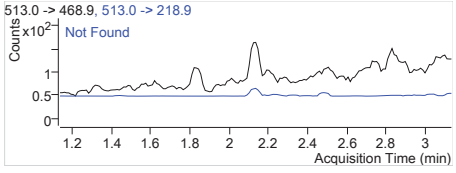
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



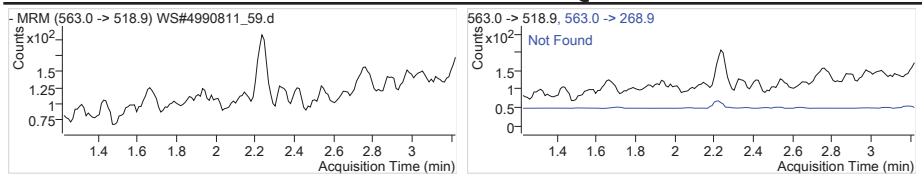


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample

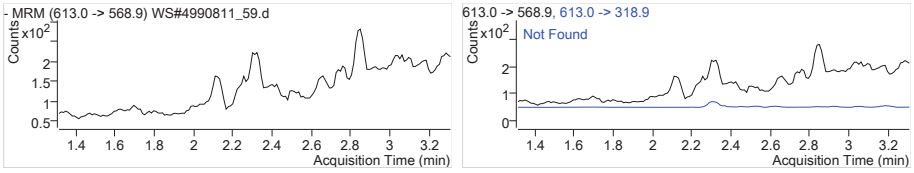




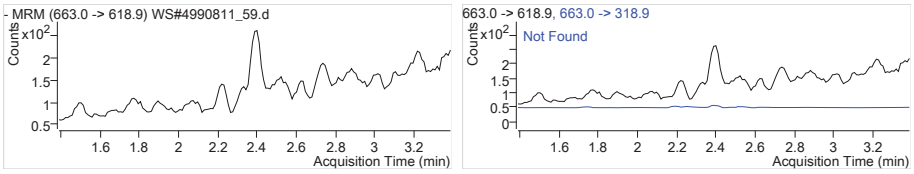
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



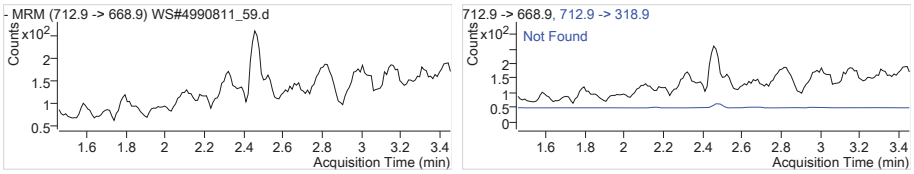
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



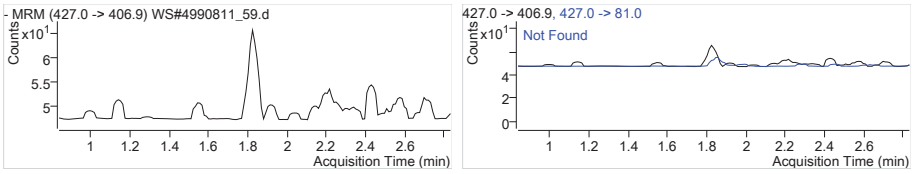
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



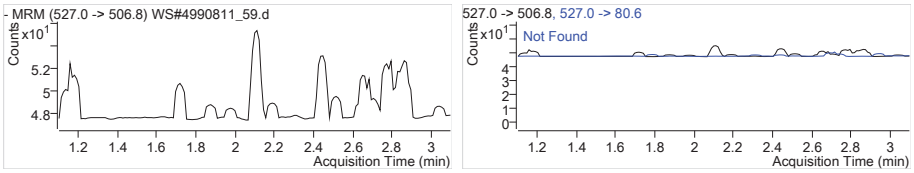
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



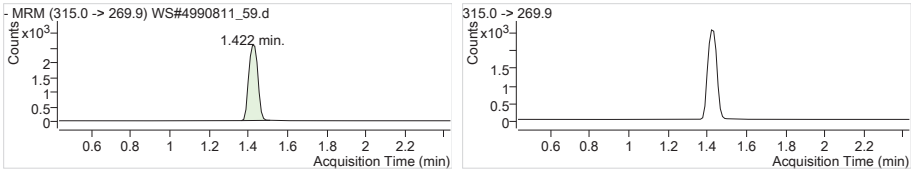
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



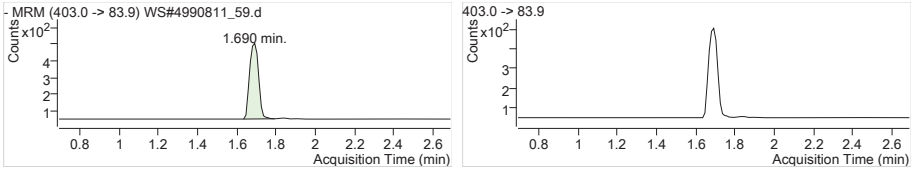
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



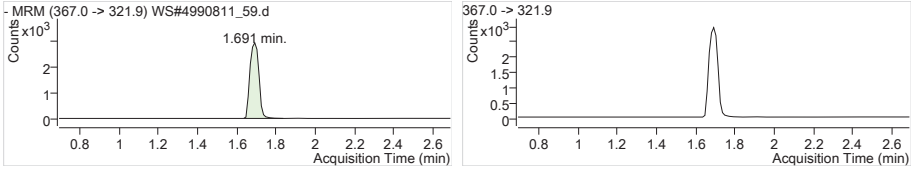
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



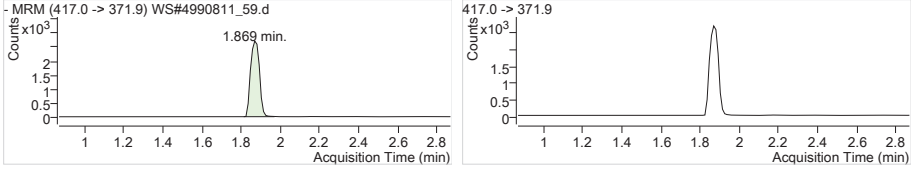
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 102.91 µg/Kg
Area ratio: 0.19819
Sample type: Sample



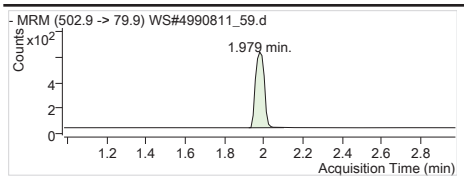
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 98.68 µg/Kg
Area ratio: 0.03522
Sample type: Sample

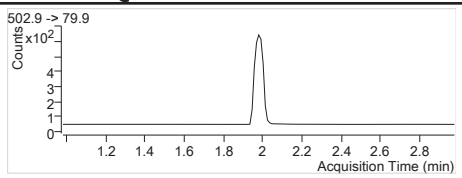


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 106.13 µg/Kg
Area ratio: 0.22298
Sample type: Sample

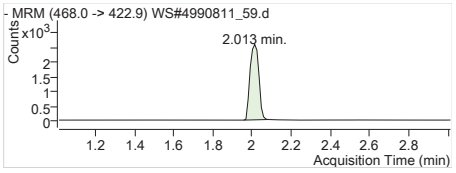


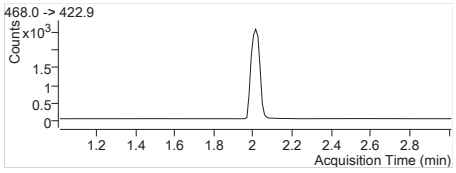
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 99.45 µg/Kg
Area ratio: 0.20156
Sample type: Sample



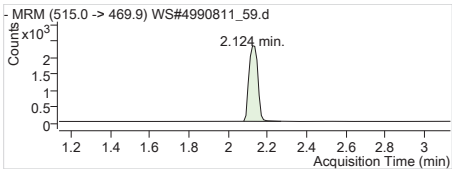


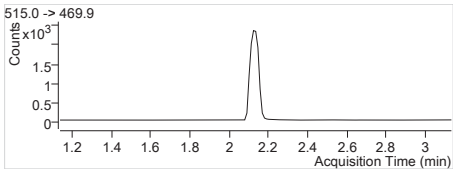
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 102.05 µg/Kg
Area ratio: 0.04478
Sample type: Sample



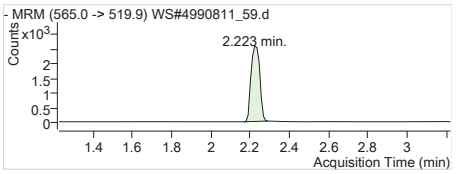


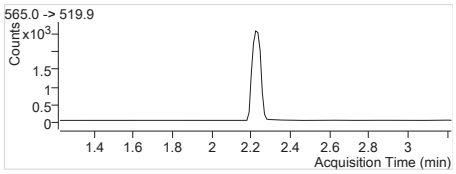
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 93.25 µg/Kg
Area ratio: 0.19102
Sample type: Sample



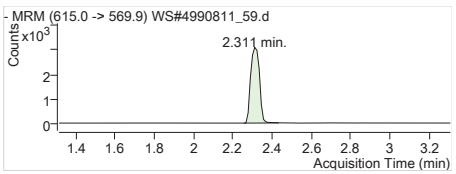


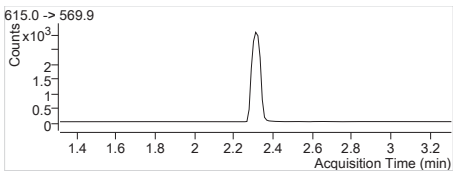
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 101.23 µg/Kg
Area ratio: 0.18973
Sample type: Sample



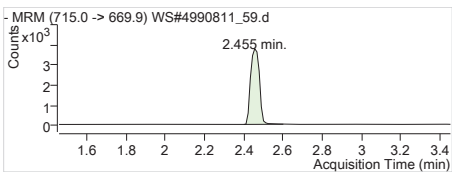


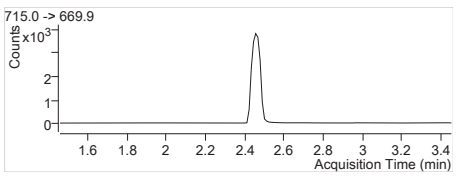
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 94.40 µg/Kg
Area ratio: 0.20407
Sample type: Sample



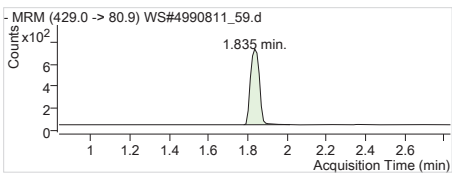


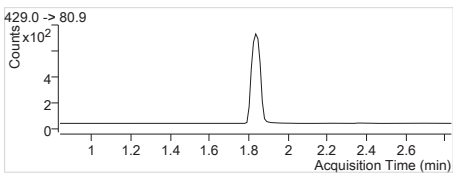
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 99.27 µg/Kg
Area ratio: 0.24607
Sample type: Sample



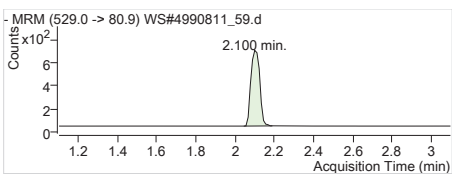


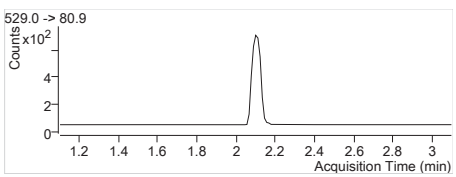
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 100.01 µg/Kg
Area ratio: 0.30467
Sample type: Sample



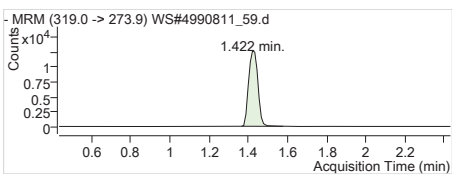


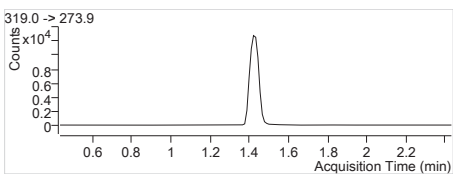
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 107.49 µg/Kg
Area ratio: 0.05248
Sample type: Sample



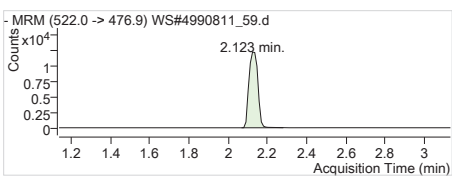


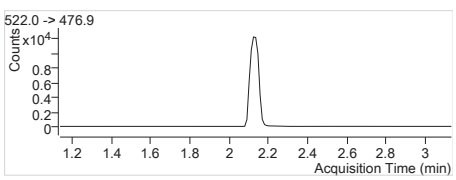
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 100.11 µg/Kg
Area ratio: 0.05041
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.433)
Calc. conc. 136.96 µg/Kg
Area ratio: 0
Sample type: Sample





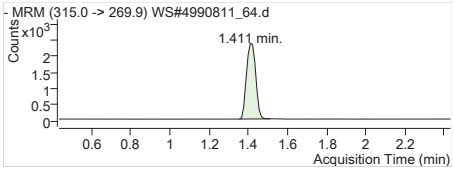
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 141.48 µg/Kg
Area ratio: 0
Sample type: Sample

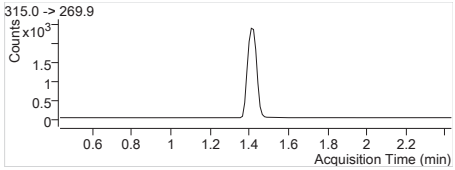
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_64.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/25 2:55:55 PM	**Injection Volume**	Per Method
Sample Annotation	-		

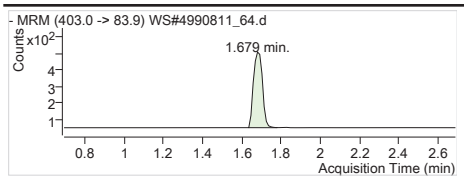
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7673	1.41	1 µg/Kg		
MPFHxS	1470	1.68	1 µg/Kg		
MPFHpA	9214	1.68	1 µg/Kg		
MPFOA	8585	1.87	1 µg/Kg		
MPFOS	1780	1.98	1 µg/Kg		
MPFNA	8424	2.00	1 µg/Kg		
MPFDA	7403	2.12	1 µg/Kg		
MPFUnA	8186	2.22	1 µg/Kg		
MPFDoA	9394	2.31	1 µg/Kg		
MPFTeDA	11723	2.46	1 µg/Kg		
M2 6:2 FTS	2042	1.83	1 µg/Kg		
M2 8:2 FTS	1919	2.10	1 µg/Kg		
13C6-PFHxA IS	40882	1.41	1 µg/Kg		
13C9-PFDA IS	37634	2.12	1 µg/Kg		

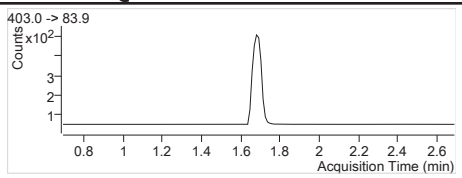
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7673	1.41	-	97.46 µg/Kg	-
18O2-PFHxS	1470	1.68	-	100.75 µg/Kg	-
13C4-PFHpA	9214	1.68	-	107.27 µg/Kg	-
13C4-PFOA	8585	1.87	-	103.61 µg/Kg	-
13C4-PFOS	1780	1.98	-	99.23 µg/Kg	-
13C5-PFNA	8424	2.00	-	100.59 µg/Kg	-
13C2-PFDA	7403	2.12	-	104.96 µg/Kg	-
13C2-PFUnA	8186	2.22	-	100.62 µg/Kg	-
13C2-PFDoA	9394	2.31	-	100.70 µg/Kg	-
13C2-PFTeDA	11723	2.46	-	102.25 µg/Kg	-
13C2-6:2-FTS	2042	1.83	-	102.31 µg/Kg	-
13C2-8:2 FTS	1919	2.10	-	93.22 µg/Kg	-
13C6-PFHxA	40882	1.41	-	134.78 µg/Kg	-
13C9-PFDA	37634	2.12	-	137.35 µg/Kg	-



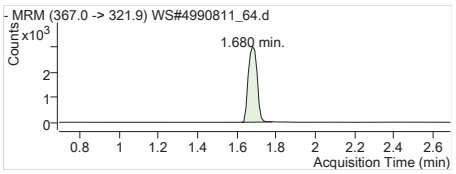


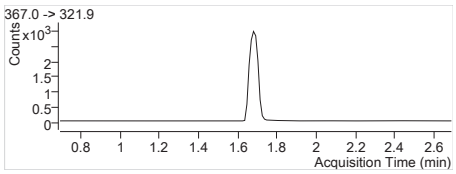
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



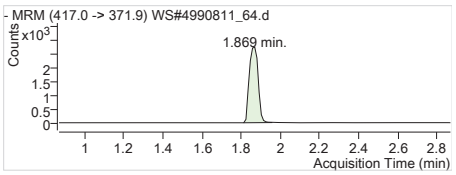


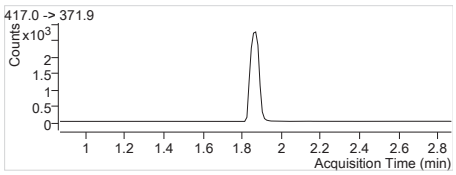
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



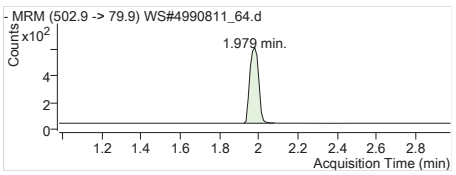


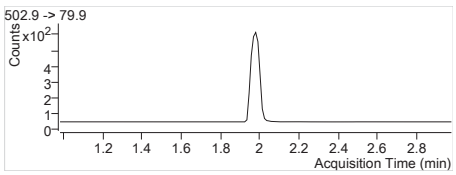
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



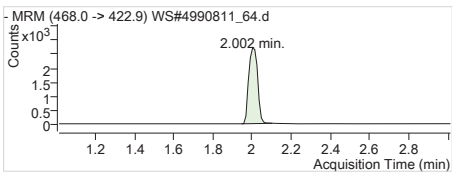


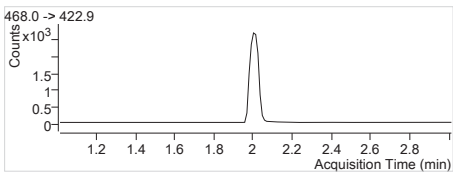
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



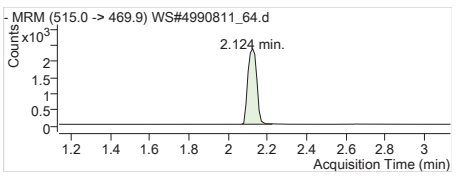


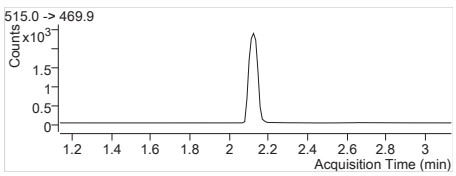
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



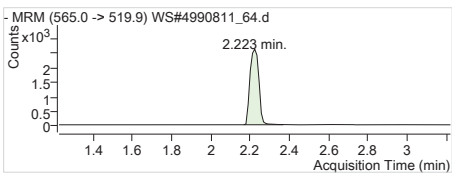


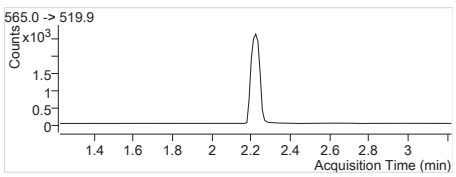
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



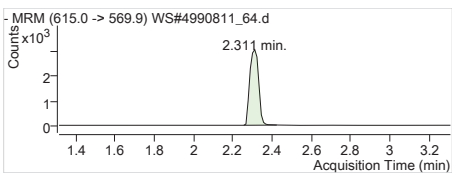


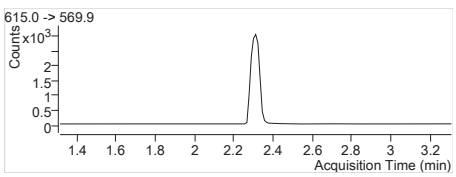
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



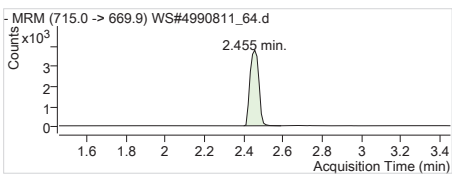


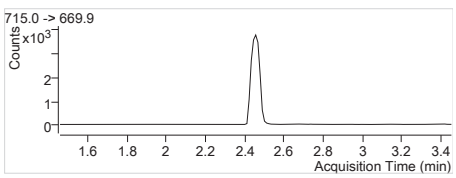
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



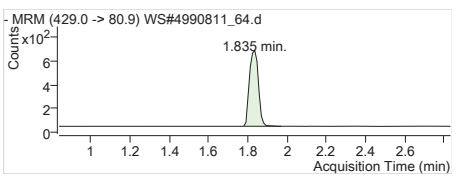


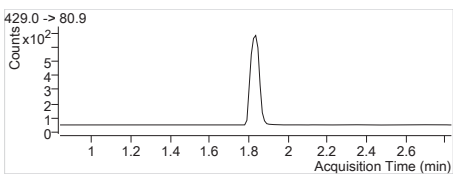
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



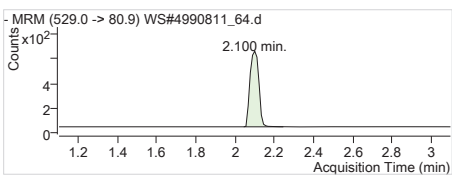


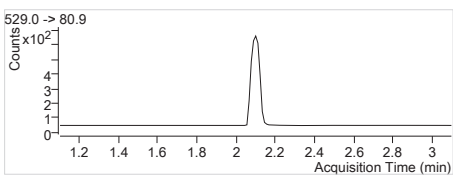
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



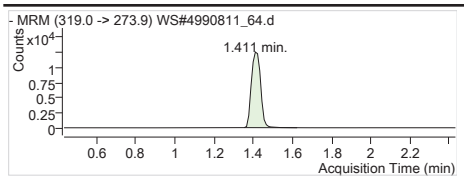


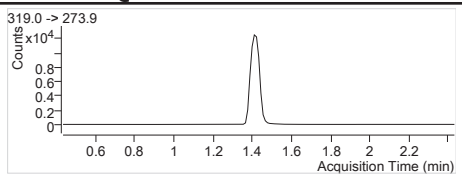
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



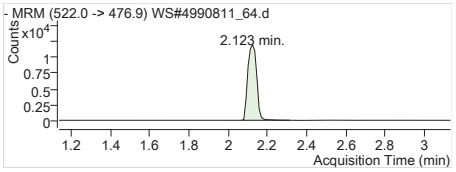


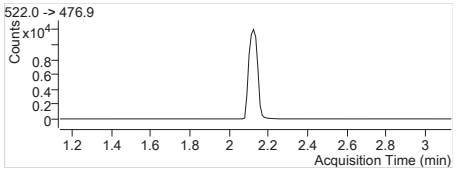
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



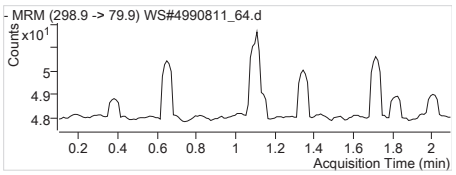


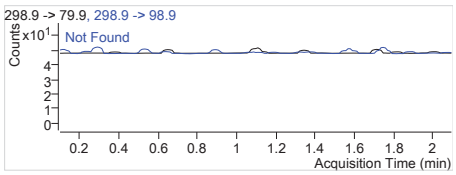
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



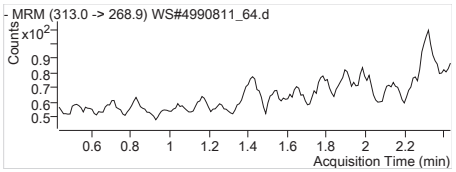


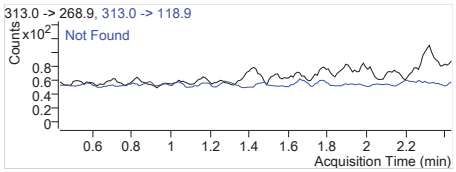
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



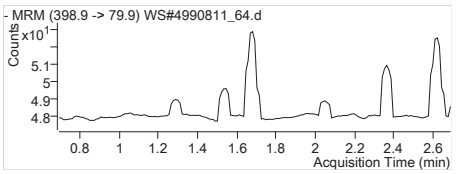


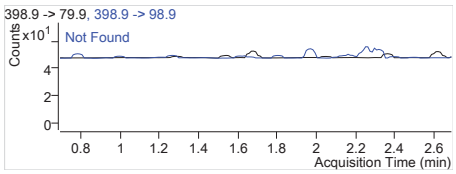
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



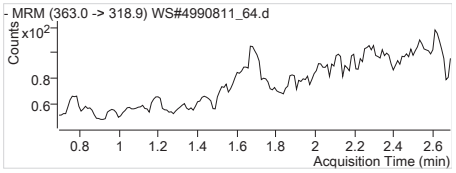


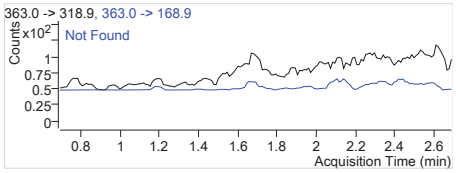
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



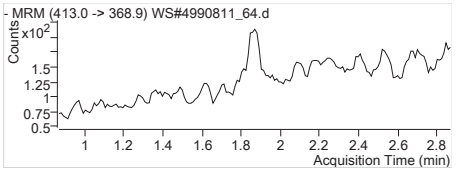


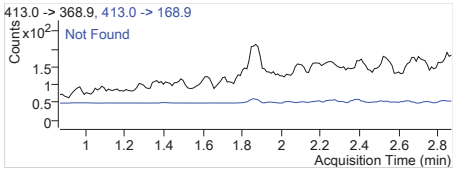
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



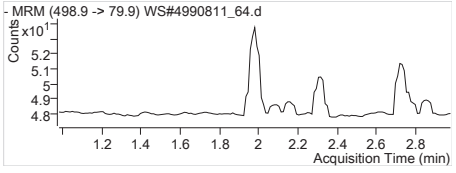


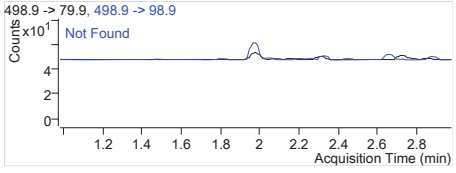
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



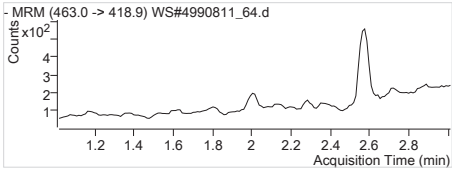


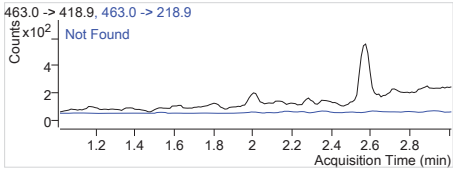
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



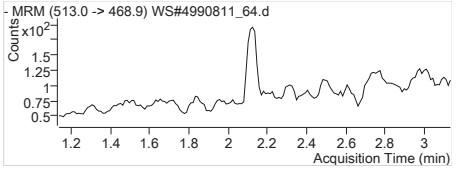


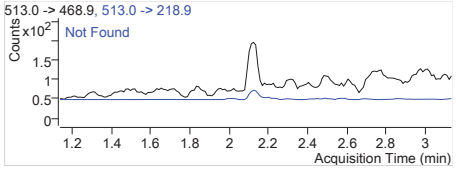
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



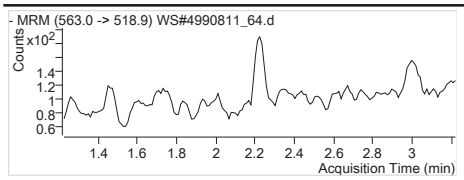


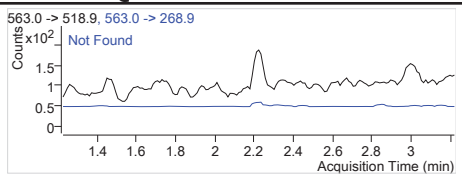
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



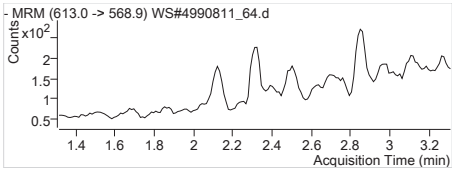


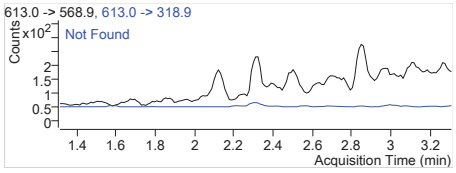
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



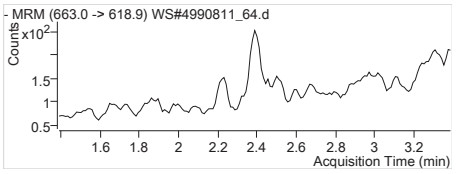


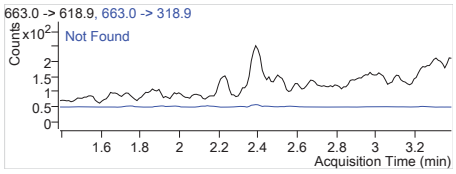
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



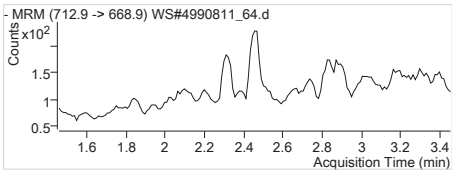


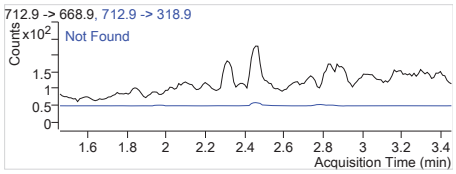
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



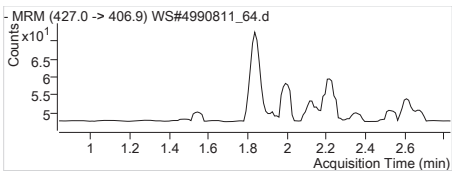


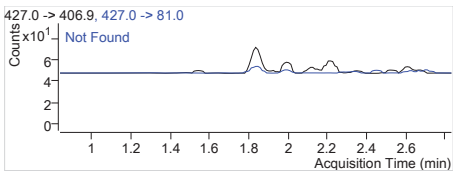
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



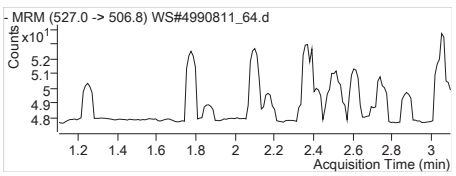


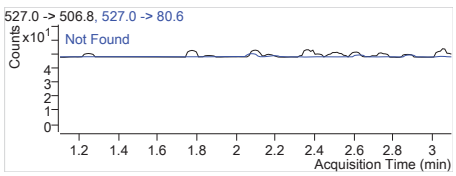
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



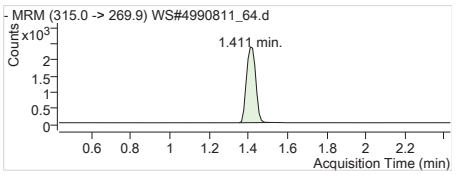


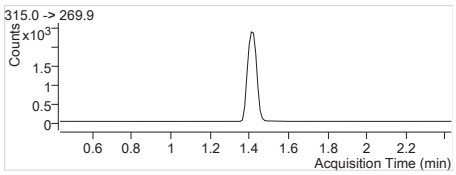
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



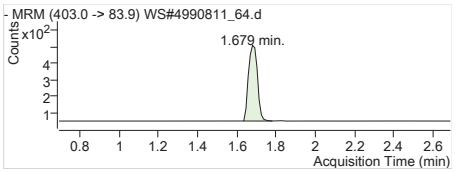


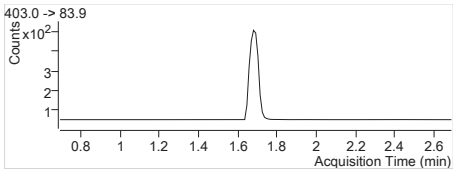
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



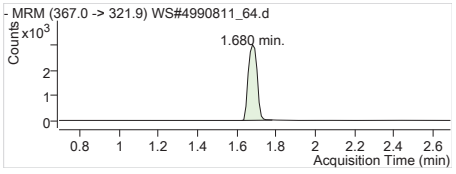


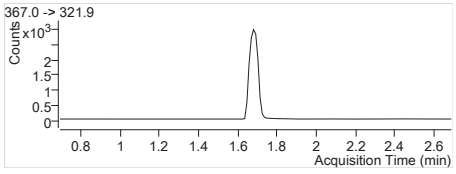
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 97.46 µg/Kg
Area ratio: 0.18769
Sample type: Sample



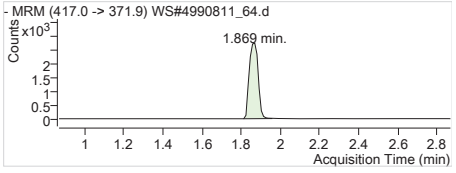


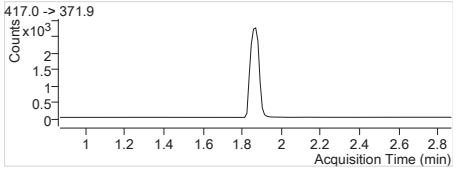
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 100.75 µg/Kg
Area ratio: 0.03596
Sample type: Sample



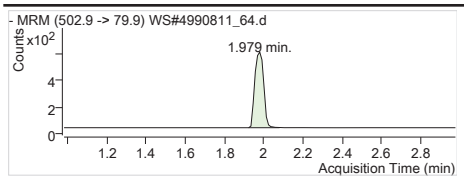


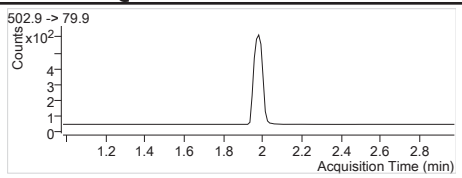
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 107.27 µg/Kg
Area ratio: 0.22538
Sample type: Sample



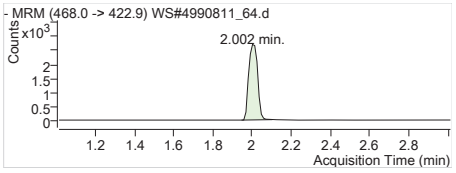


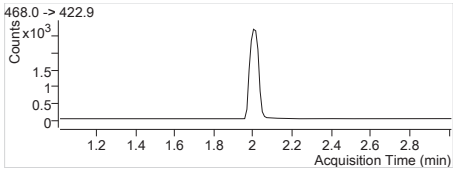
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 103.61 µg/Kg
Area ratio: 0.20999
Sample type: Sample



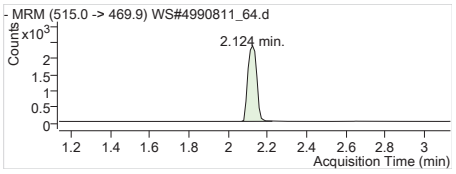


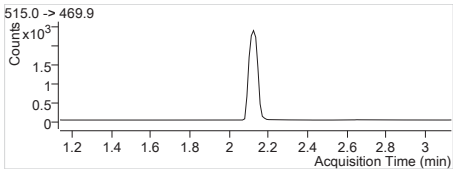
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 99.23 µg/Kg
Area ratio: 0.04354
Sample type: Sample



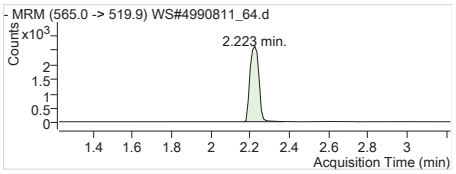


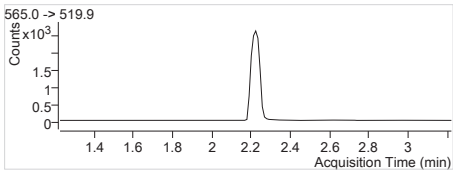
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 100.59 µg/Kg
Area ratio: 0.20606
Sample type: Sample



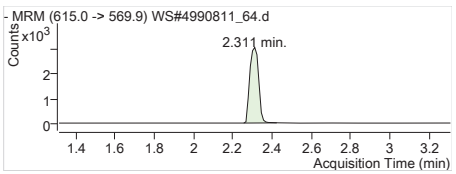


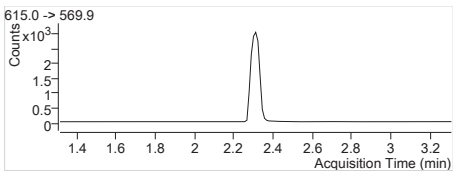
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 104.96 µg/Kg
Area ratio: 0.19671
Sample type: Sample



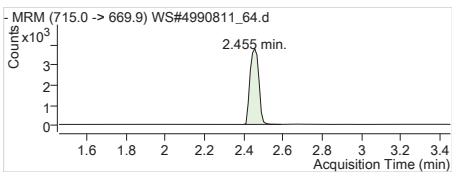


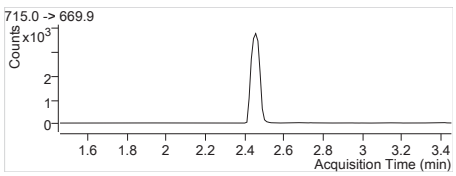
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 100.62 µg/Kg
Area ratio: 0.21752
Sample type: Sample



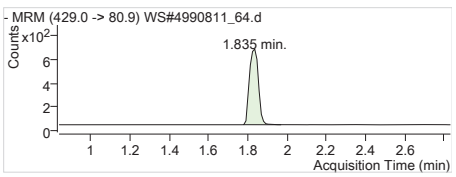


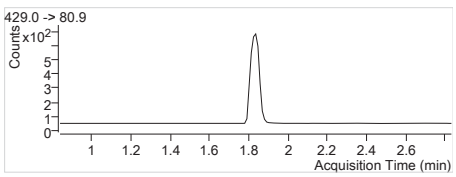
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 100.70 µg/Kg
Area ratio: 0.24961
Sample type: Sample



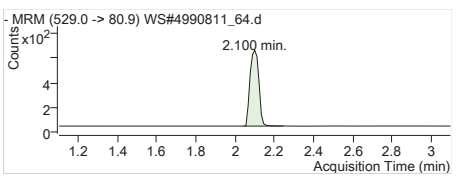


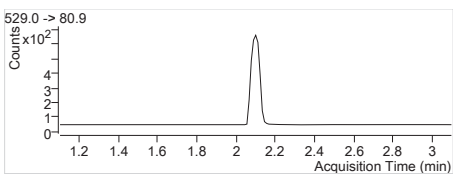
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 102.25 µg/Kg
Area ratio: 0.31150
Sample type: Sample



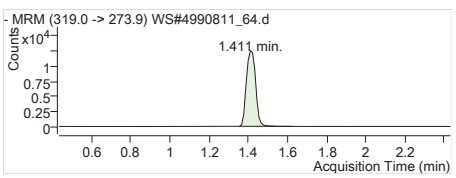


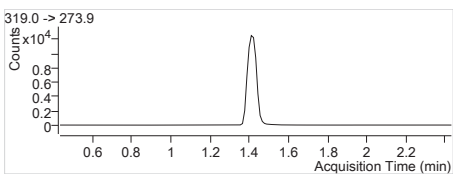
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 102.31 µg/Kg
Area ratio: 0.04995
Sample type: Sample



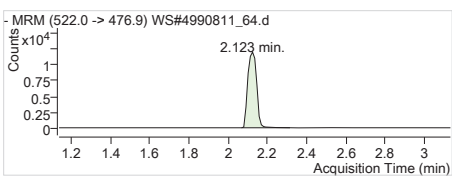


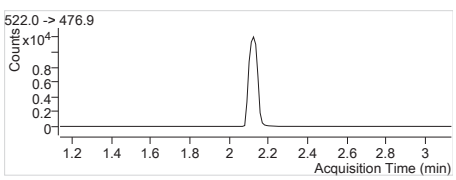
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 93.22 µg/Kg
Area ratio: 0.04694
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 134.78 µg/Kg
Area ratio: 0
Sample type: Sample





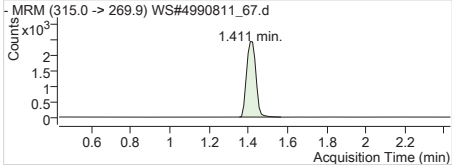
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 137.35 µg/Kg
Area ratio: 0
Sample type: Sample

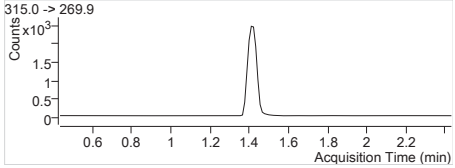
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_67.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/25 3:10:37 PM	**Injection Volume**	Per Method
Sample Annotation	-		

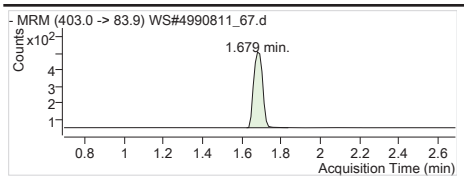
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7973	1.41	1 µg/Kg		
MPFHxS	1465	1.68	1 µg/Kg		
MPFHpA	8701	1.68	1 µg/Kg		
MPFOA	8471	1.87	1 µg/Kg		
MPFOS	1947	1.98	1 µg/Kg		
MPFNA	8524	2.00	1 µg/Kg		
MPFDA	6882	2.12	1 µg/Kg		
MPFUnA	8437	2.22	1 µg/Kg		
MPFDoA	9553	2.31	1 µg/Kg		
MPFTeDA	11633	2.46	1 µg/Kg		
M2 6:2 FTS	1997	1.83	1 µg/Kg		
M2 8:2 FTS	2119	2.10	1 µg/Kg		
13C6-PFHxA IS	39936	1.41	1 µg/Kg		
13C9-PFDA IS	37169	2.12	1 µg/Kg		

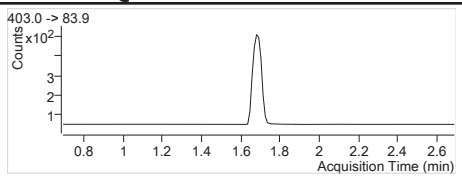
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7973	1.41	-	103.67 µg/Kg	-
18O2-PFHxS	1465	1.68	-	102.78 µg/Kg	-
13C4-PFHpA	8701	1.68	-	103.70 µg/Kg	-
13C4-PFOA	8471	1.87	-	104.66 µg/Kg	-
13C4-PFOS	1947	1.98	-	111.12 µg/Kg	-
13C5-PFNA	8524	2.00	-	104.19 µg/Kg	-
13C2-PFDA	6882	2.12	-	98.79 µg/Kg	-
13C2-PFUnA	8437	2.22	-	105.00 µg/Kg	-
13C2-PFDoA	9553	2.31	-	103.68 µg/Kg	-
13C2-PFTeDA	11633	2.46	-	102.73 µg/Kg	-
13C2-6:2-FTS	1997	1.83	-	102.42 µg/Kg	-
13C2-8:2 FTS	2119	2.10	-	105.37 µg/Kg	-
13C6-PFHxA	39936	1.41	-	131.66 µg/Kg	-
13C9-PFDA	37169	2.12	-	135.65 µg/Kg	-



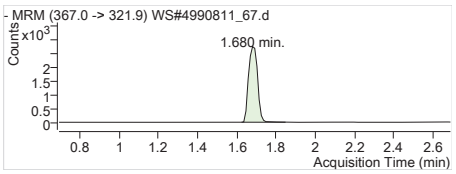


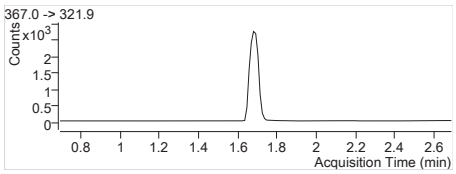
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



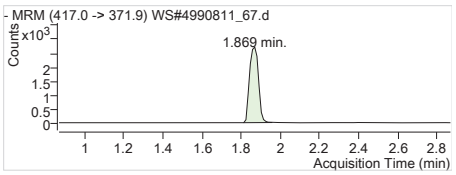


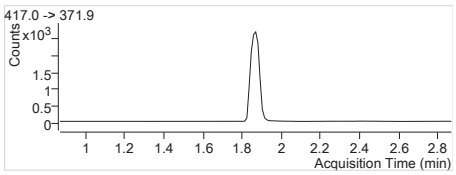
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



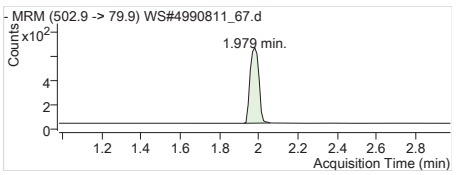


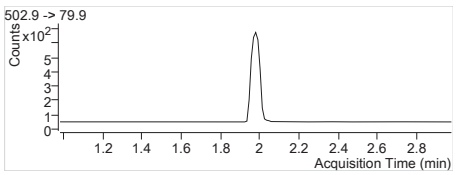
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



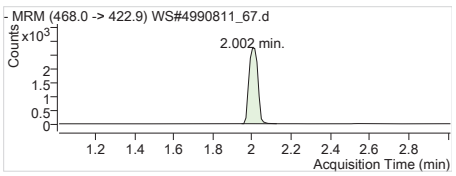


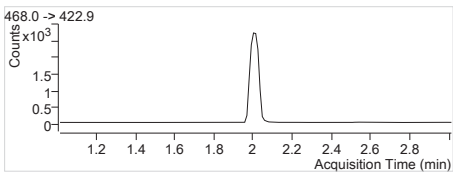
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



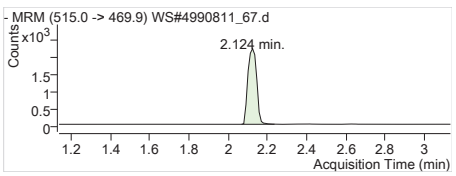


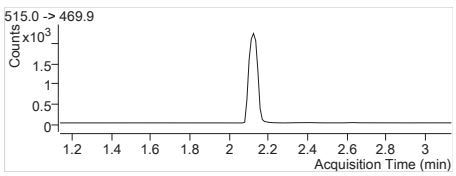
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



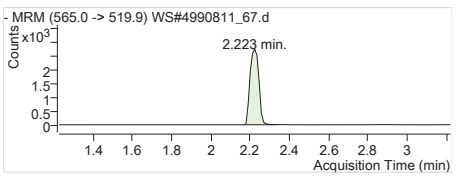


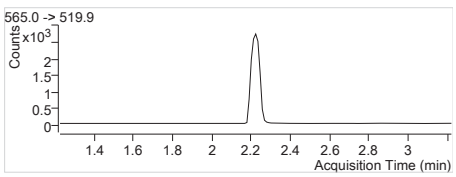
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



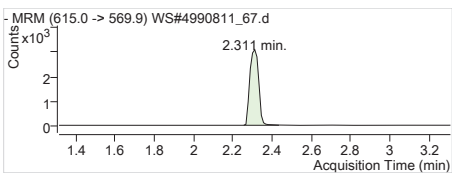


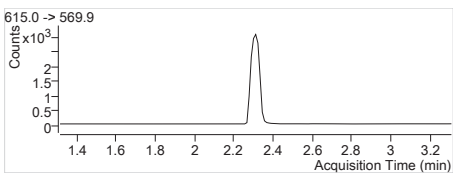
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



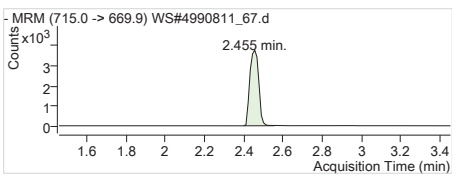


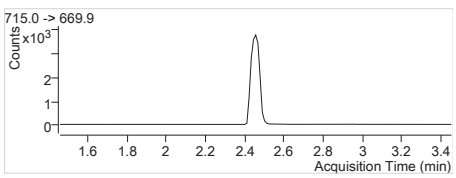
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



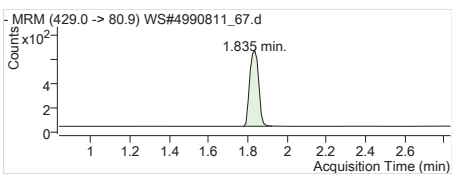


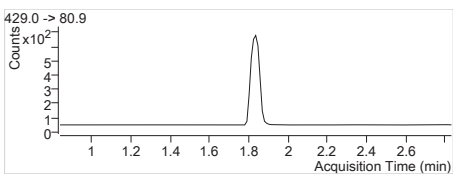
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



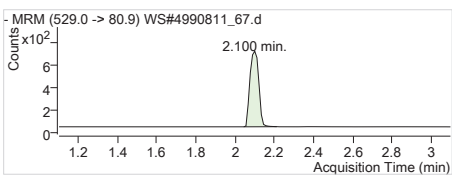


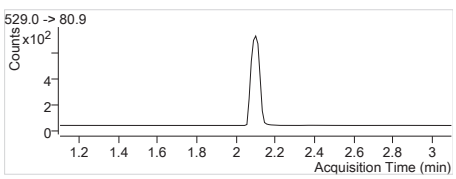
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



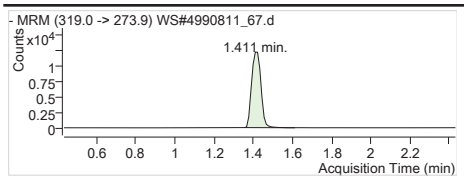


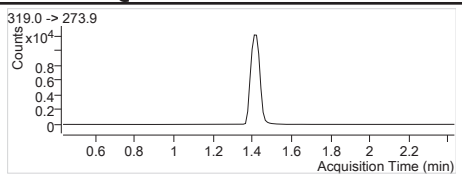
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



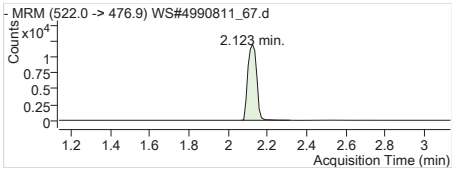


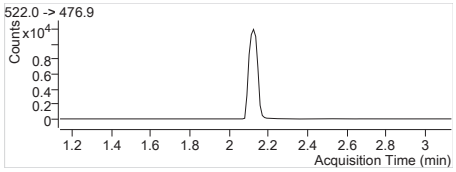
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



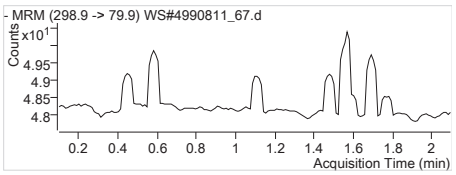


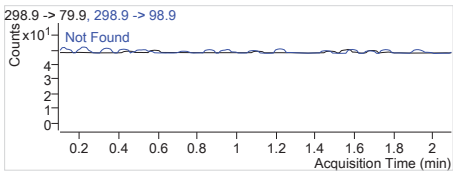
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



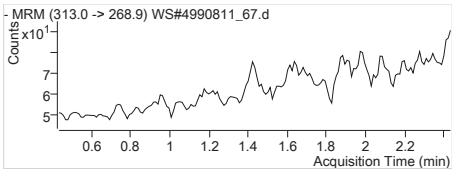


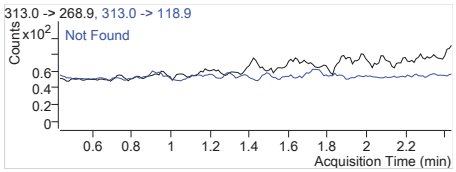
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



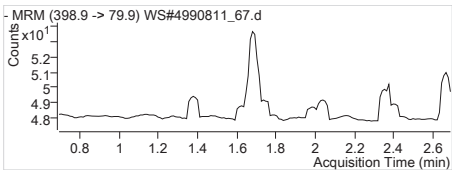


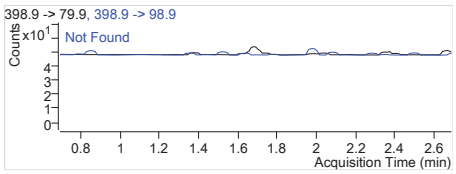
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



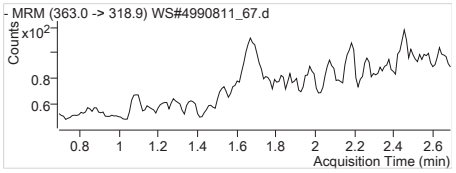


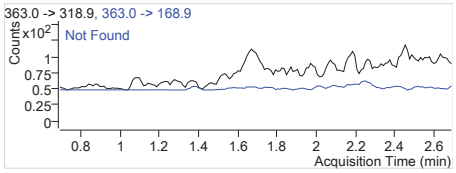
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



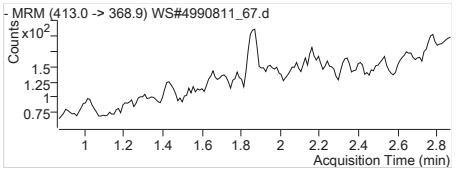


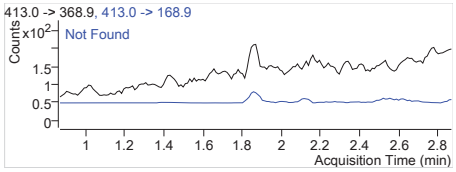
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



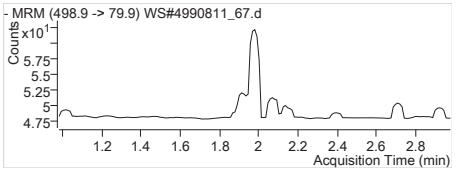


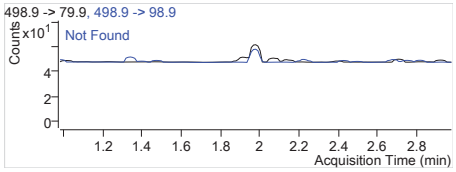
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



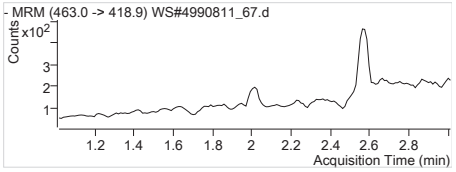


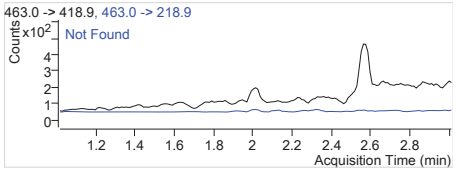
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



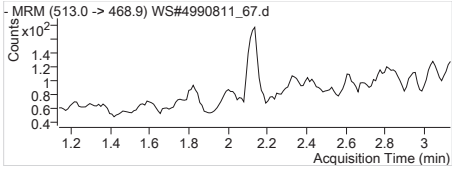


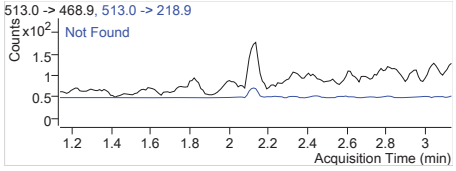
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



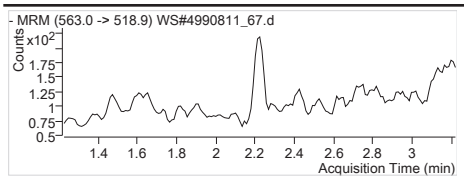


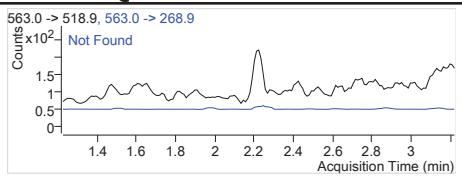
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



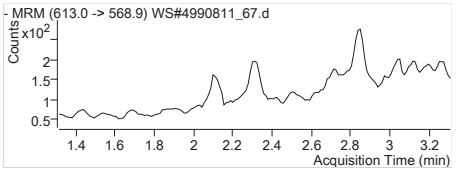


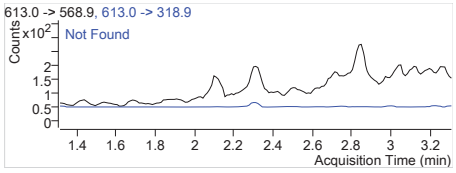
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



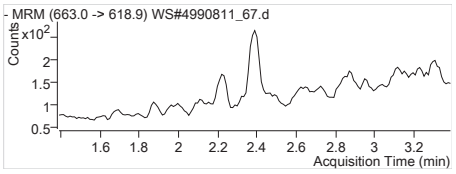


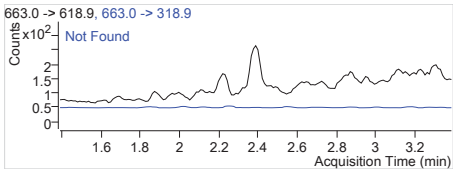
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



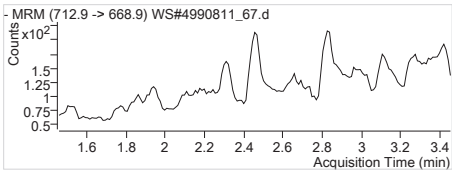


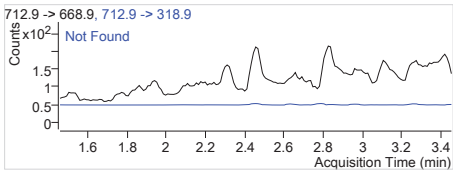
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



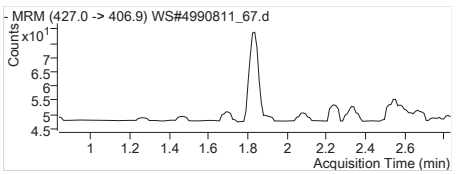


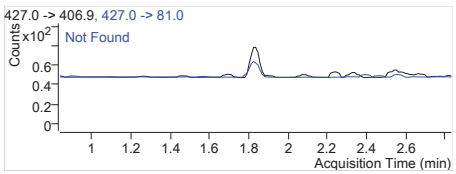
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



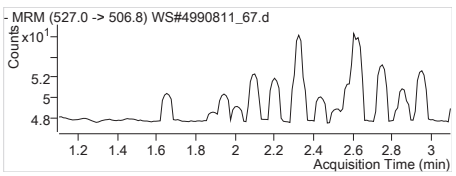


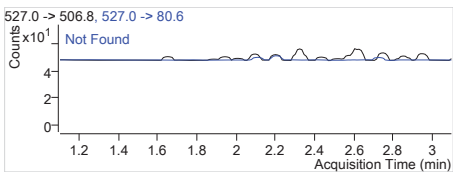
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



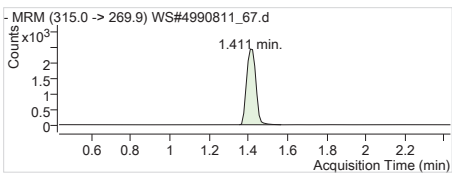


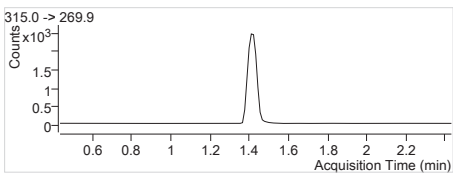
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



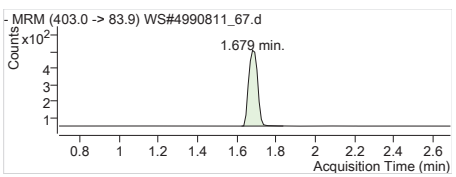


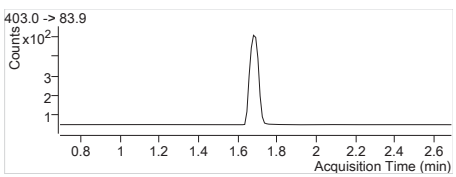
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



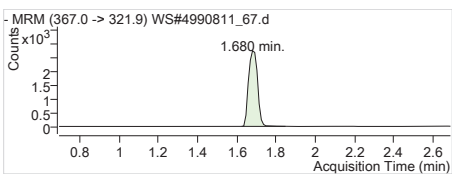


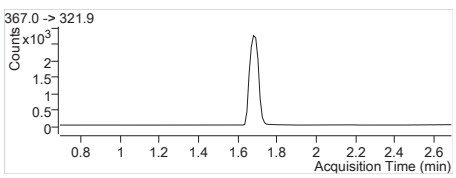
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 103.67 µg/Kg
Area ratio: 0.19964
Sample type: Sample



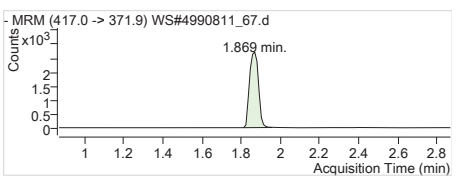


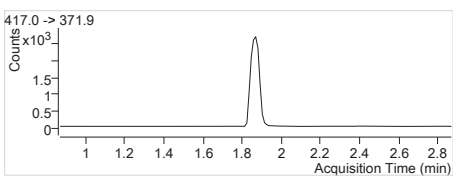
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 102.78 µg/Kg
Area ratio: 0.03668
Sample type: Sample



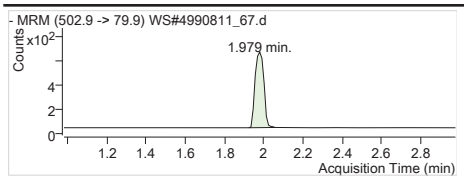


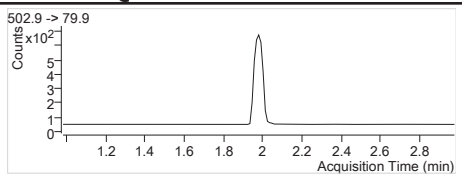
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 103.70 µg/Kg
Area ratio: 0.21787
Sample type: Sample



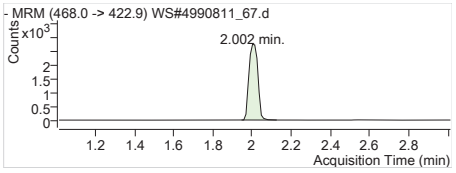


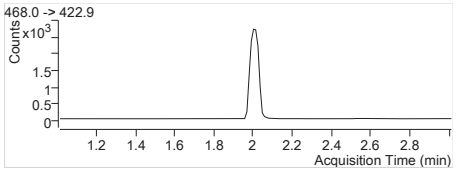
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 104.66 µg/Kg
Area ratio: 0.21211
Sample type: Sample



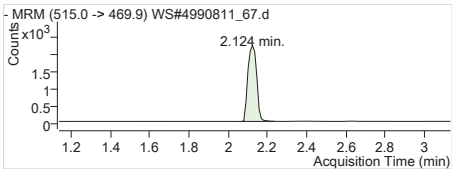


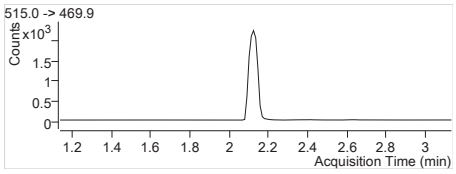
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 111.12 µg/Kg
Area ratio: 0.04875
Sample type: Sample



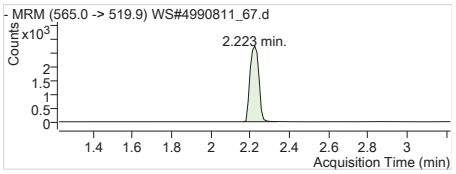


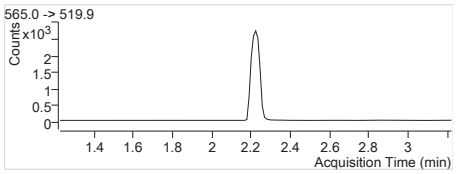
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 104.19 µg/Kg
Area ratio: 0.21344
Sample type: Sample



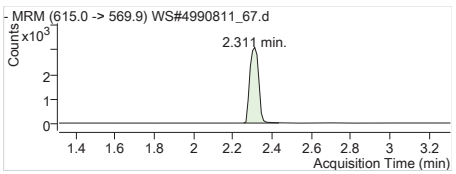


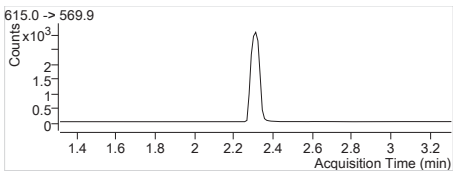
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 98.79 µg/Kg
Area ratio: 0.18515
Sample type: Sample



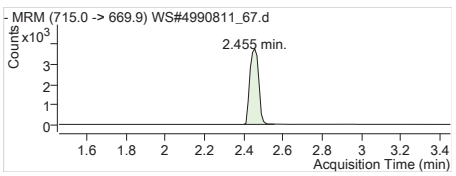


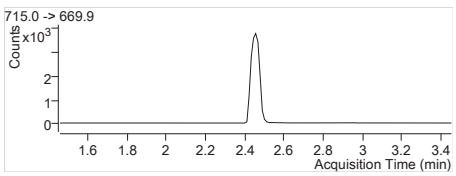
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 105.00 µg/Kg
Area ratio: 0.22699
Sample type: Sample



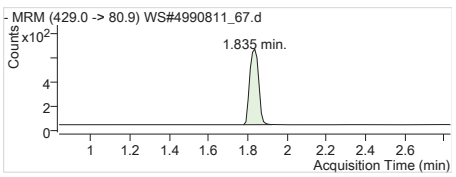


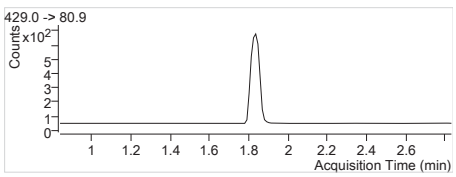
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 103.68 µg/Kg
Area ratio: 0.25702
Sample type: Sample



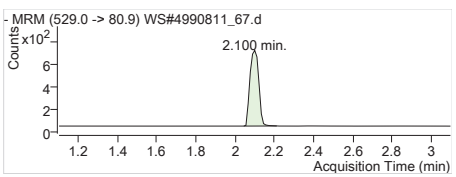


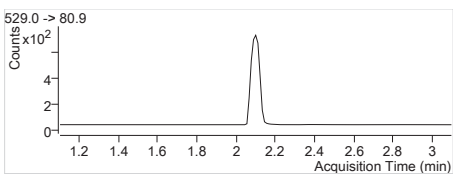
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 102.73 µg/Kg
Area ratio: 0.31298
Sample type: Sample



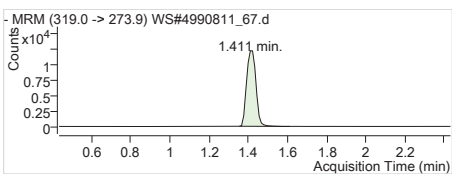


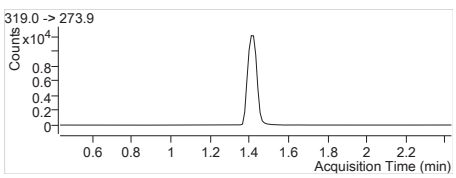
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 102.42 µg/Kg
Area ratio: 0.05001
Sample type: Sample



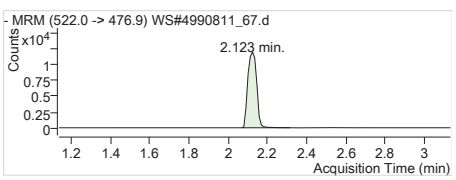


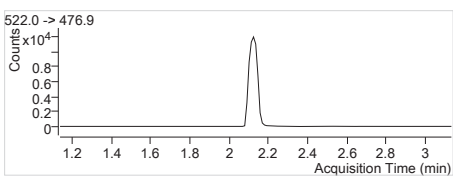
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 105.37 µg/Kg
Area ratio: 0.05306
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 131.66 µg/Kg
Area ratio: 0
Sample type: Sample





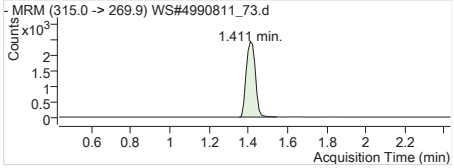
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 135.65 µg/Kg
Area ratio: 0
Sample type: Sample

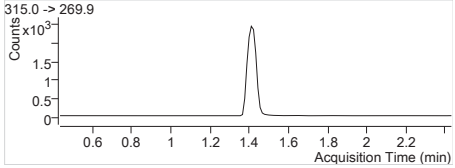
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_73.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-A8
Acq. Date	2017/05/25 3:40:01 PM	**Injection Volume**	Per Method
Sample Annotation	-		

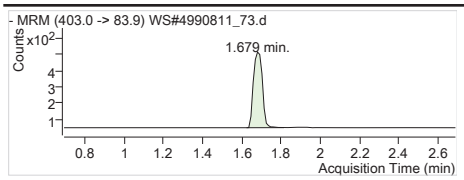
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7806	1.41	1 µg/Kg		
MPFHxS	1481	1.68	1 µg/Kg		
MPFHpA	8708	1.68	1 µg/Kg		
MPFOA	8259	1.86	1 µg/Kg		
MPFOS	1597	1.98	1 µg/Kg		
MPFNA	8026	2.00	1 µg/Kg		
MPFDA	7073	2.12	1 µg/Kg		
MPFUnA	8216	2.22	1 µg/Kg		
MPFDoA	8762	2.31	1 µg/Kg		
MPFTeDA	10928	2.46	1 µg/Kg		
M2 6:2 FTS	2185	1.83	1 µg/Kg		
M2 8:2 FTS	2143	2.10	1 µg/Kg		
13C6-PFHxA IS	41131	1.41	1 µg/Kg		
13C9-PFDA IS	36602	2.12	1 µg/Kg		

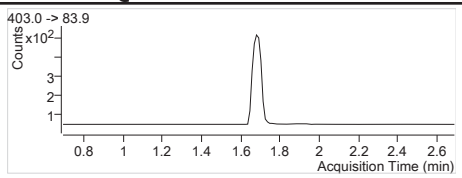
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	534	1.86	-	0.21 µg/Kg	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	7806	1.41	-	98.55 µg/Kg	-
18O2-PFHxS	1481	1.68	-	100.89 µg/Kg	-
13C4-PFHpA	8708	1.68	-	100.77 µg/Kg	-
13C4-PFOA	8259	1.86	-	99.07 µg/Kg	-
13C4-PFOS	1597	1.98	-	88.49 µg/Kg	-
13C5-PFNA	8026	2.00	-	95.26 µg/Kg	-
13C2-PFDA	7073	2.12	-	103.11 µg/Kg	-
13C2-PFUnA	8216	2.22	-	103.84 µg/Kg	-
13C2-PFDoA	8762	2.31	-	96.57 µg/Kg	-
13C2-PFTeDA	10928	2.46	-	98.00 µg/Kg	-
13C2-6:2-FTS	2185	1.83	-	108.81 µg/Kg	-
13C2-8:2 FTS	2143	2.10	-	103.47 µg/Kg	-
13C6-PFHxA	41131	1.41	-	135.60 µg/Kg	-
13C9-PFDA	36602	2.12	-	133.58 µg/Kg	-



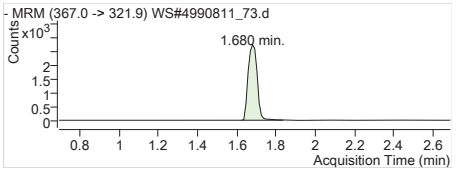


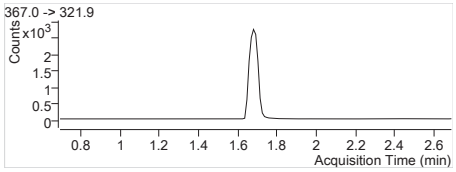
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.433)
Concentration:	1 µg/Kg
Sample type:	Sample



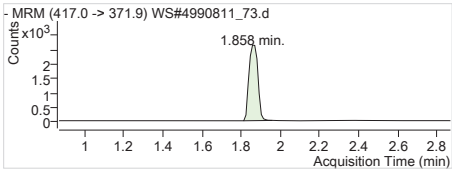


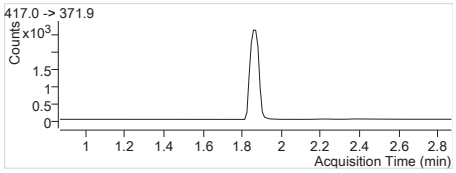
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.690)
Concentration: 1 µg/Kg
Sample type: Sample



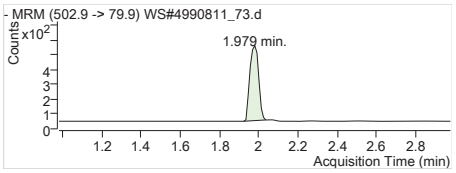


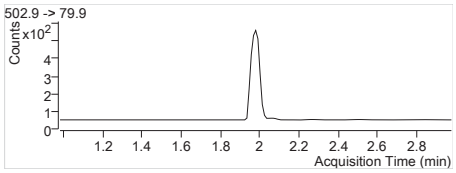
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.691)
Concentration: 1 µg/Kg
Sample type: Sample



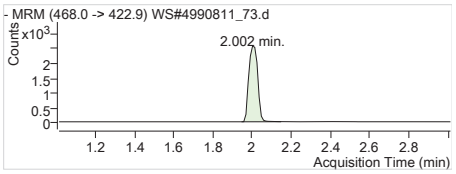


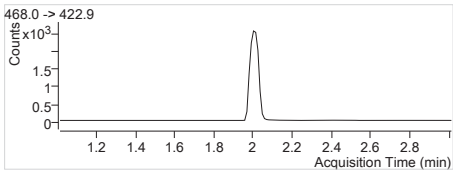
MPFOA Internal Standard
RT (Exp. RT): 1.858 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



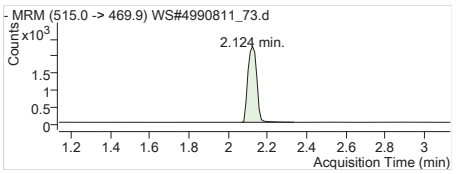


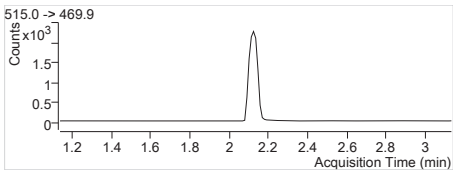
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Sample



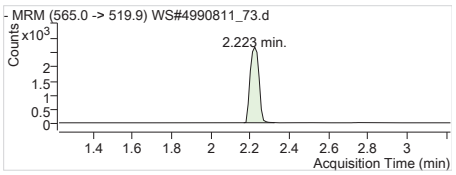


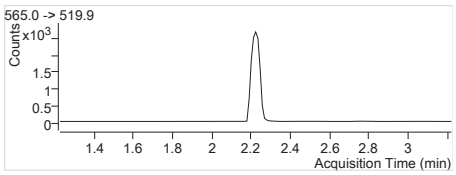
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.013)
Concentration: 1 µg/Kg
Sample type: Sample



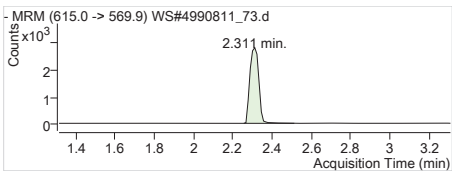


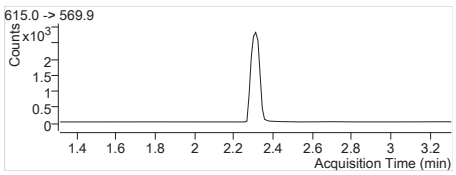
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.135)
Concentration: 1 µg/Kg
Sample type: Sample



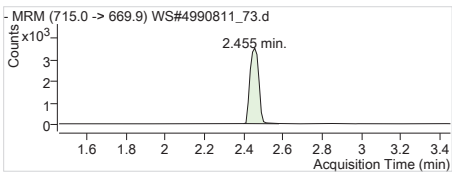


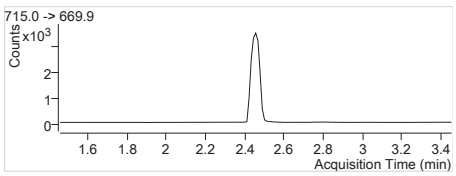
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



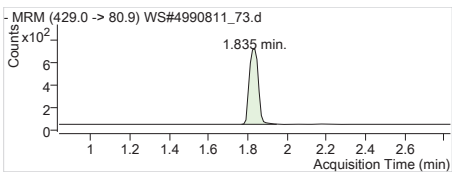


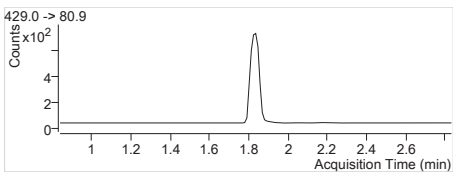
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



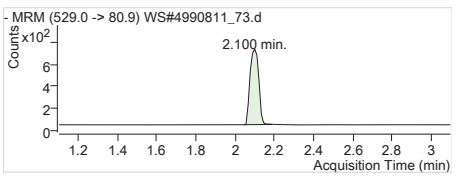


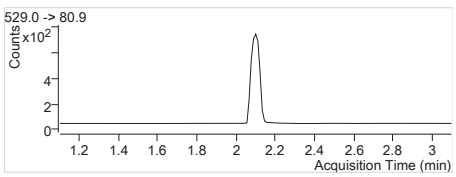
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



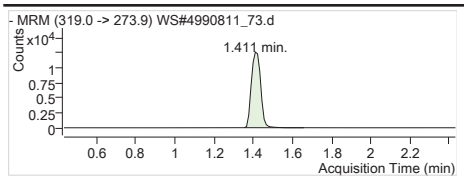


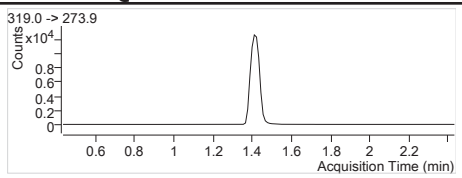
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



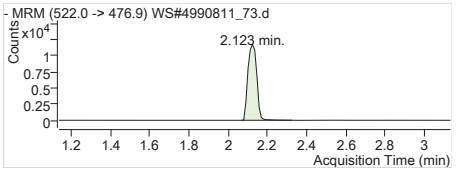


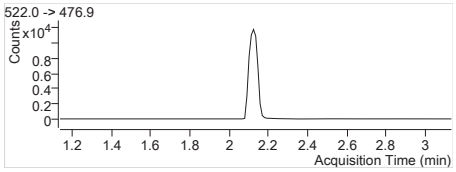
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



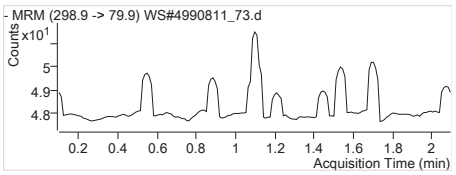


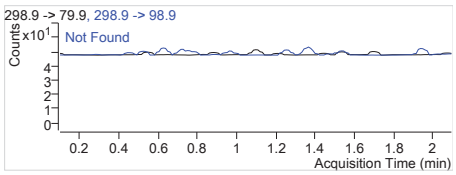
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.433)
Concentration: 1 µg/Kg
Sample type: Sample



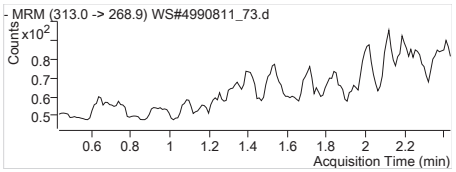


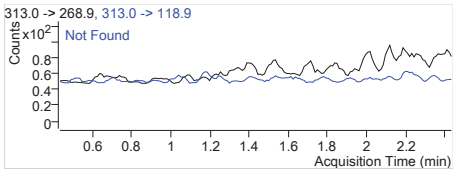
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.134)
Concentration: 1 µg/Kg
Sample type: Sample



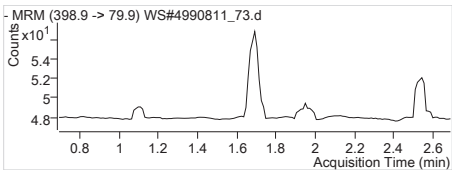


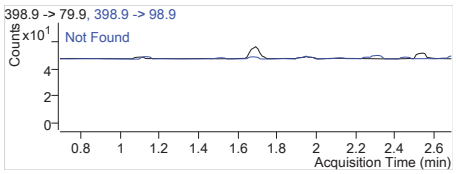
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



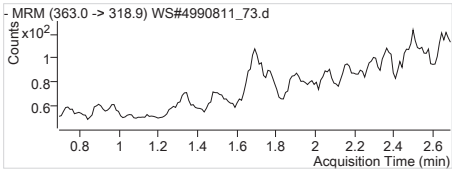


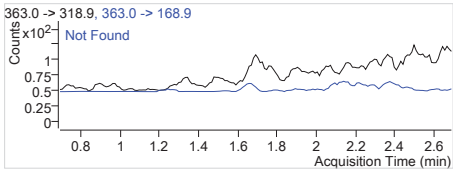
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



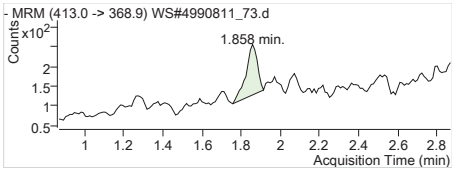


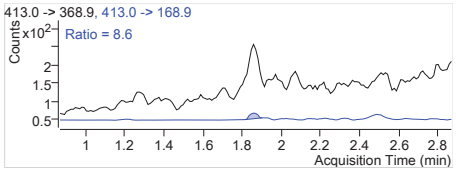
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



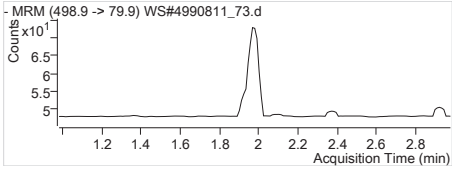


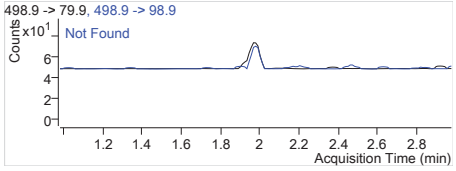
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



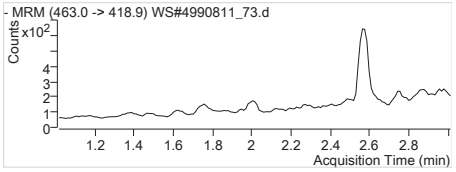


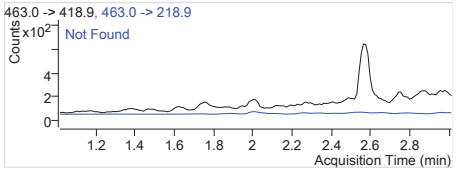
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.858 (1.869)
Calc. conc. 0.21 µg/Kg
Area ratio: 0.06466
Sample type: Sample



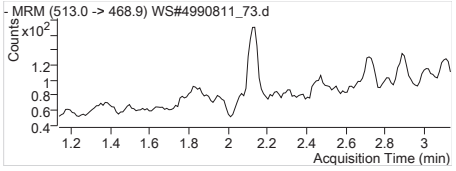


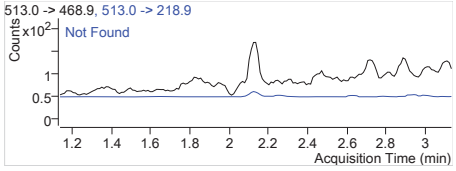
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



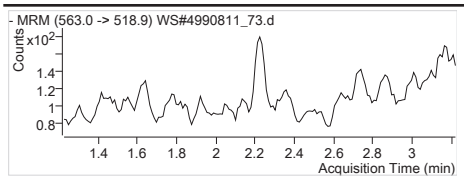


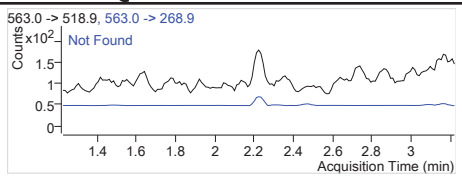
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



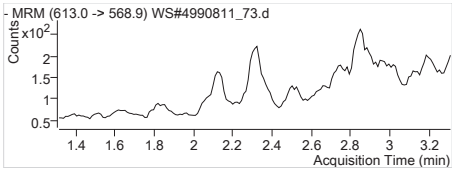


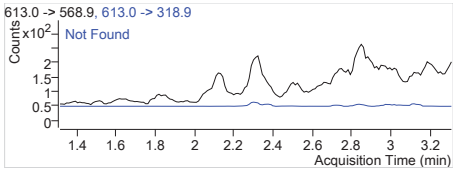
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



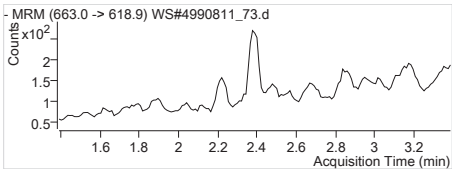


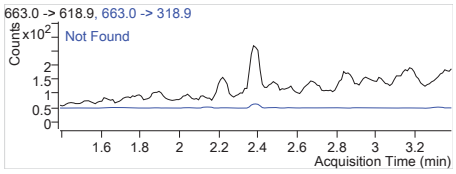
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



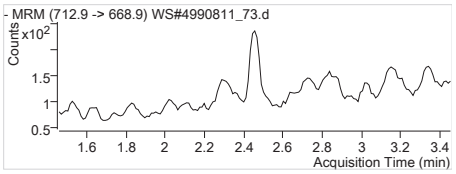


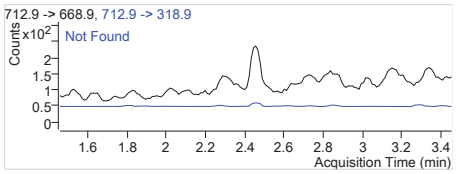
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



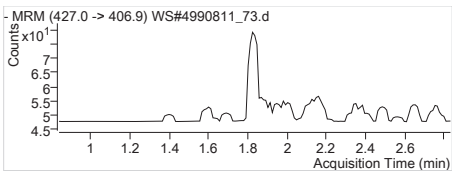


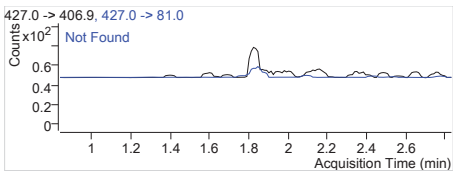
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



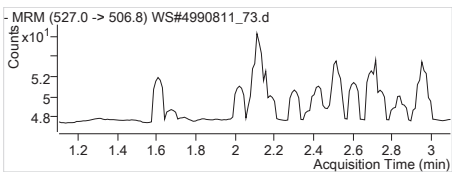


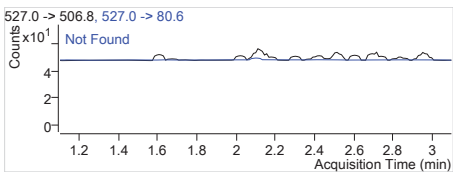
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



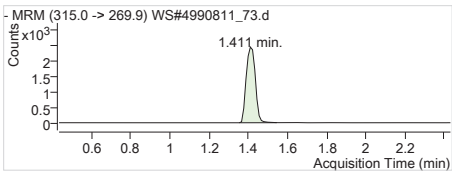


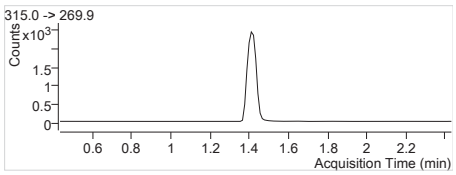
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



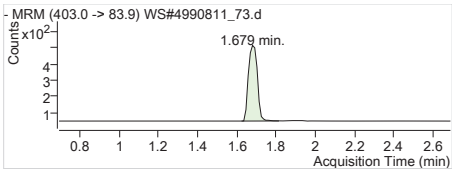


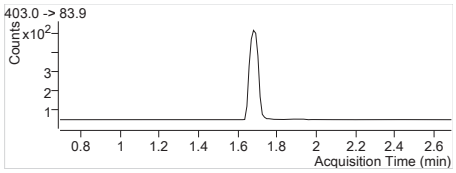
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



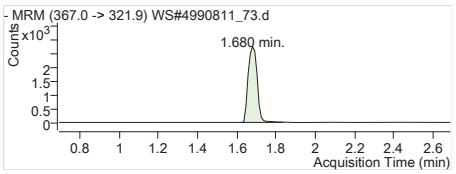


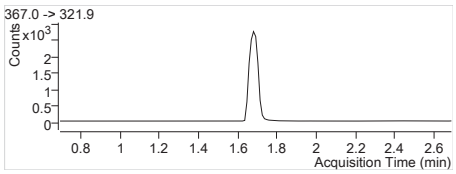
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 98.55 µg/Kg
Area ratio: 0.18978
Sample type: Sample



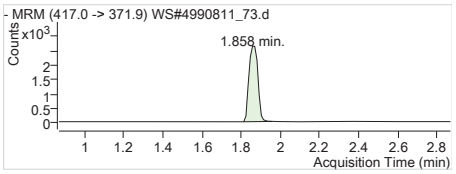


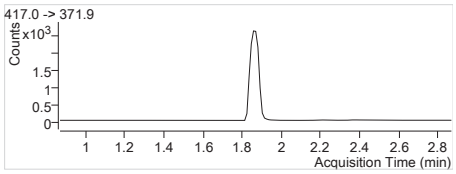
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.690)
Calc. conc. 100.89 µg/Kg
Area ratio: 0.03601
Sample type: Sample



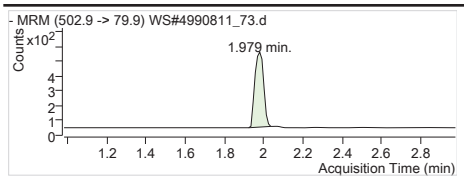


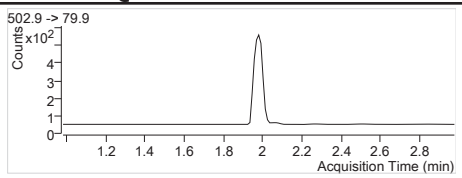
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.691)
Calc. conc. 100.77 µg/Kg
Area ratio: 0.21171
Sample type: Sample



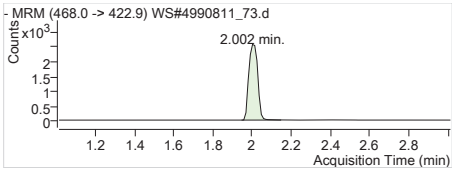


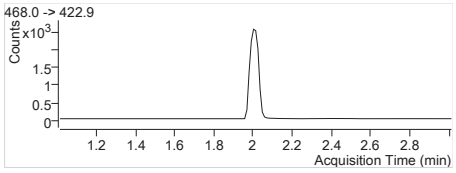
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.858 (1.869)
Calc. conc. 99.07 µg/Kg
Area ratio: 0.20080
Sample type: Sample



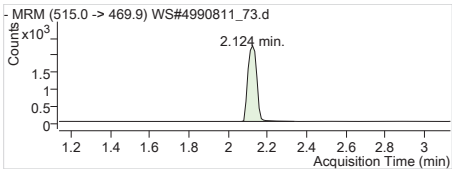


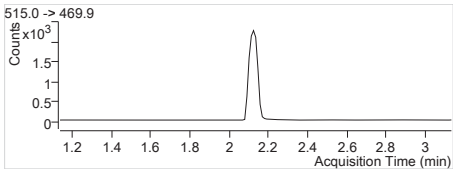
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 88.49 µg/Kg
Area ratio: 0.03883
Sample type: Sample



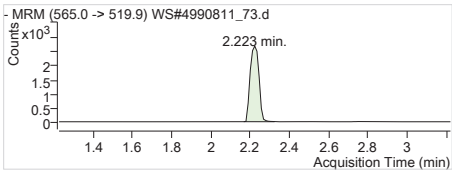


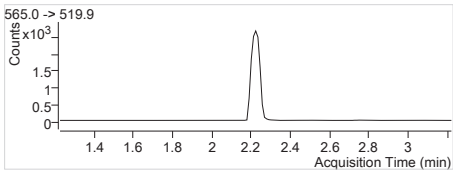
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.013)
Calc. conc. 95.26 µg/Kg
Area ratio: 0.19513
Sample type: Sample



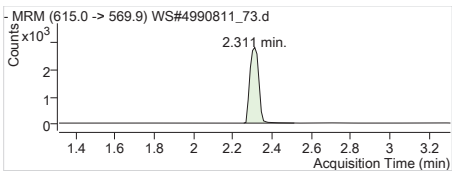


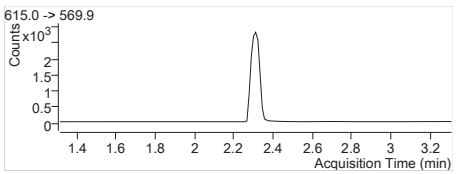
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 103.11 µg/Kg
Area ratio: 0.19324
Sample type: Sample



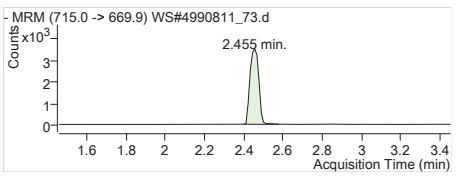


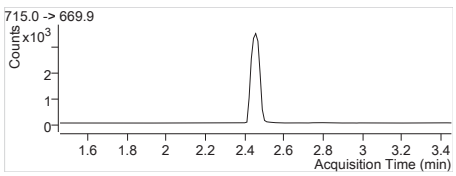
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 103.84 µg/Kg
Area ratio: 0.22447
Sample type: Sample



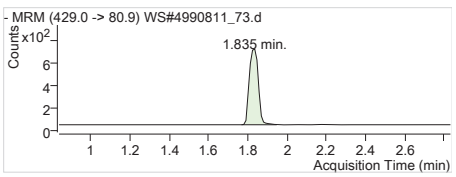


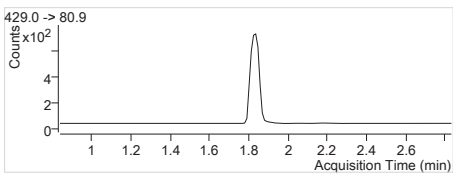
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 96.57 µg/Kg
Area ratio: 0.23939
Sample type: Sample



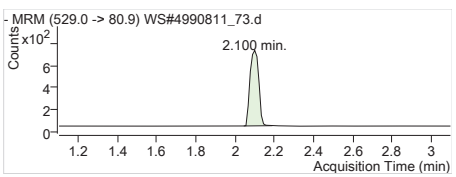


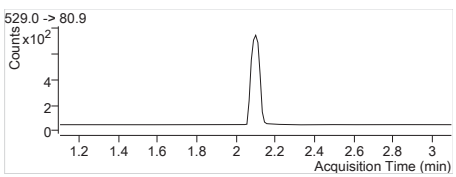
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 98.00 µg/Kg
Area ratio: 0.29856
Sample type: Sample



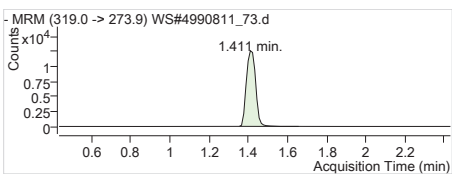


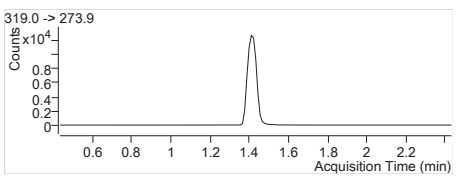
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 108.81 µg/Kg
Area ratio: 0.05312
Sample type: Sample



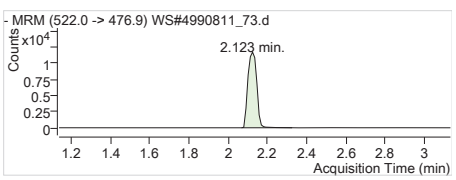


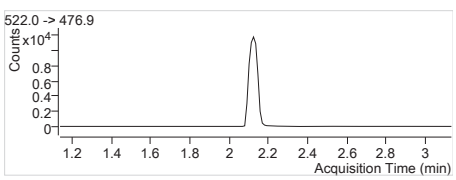
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 103.47 µg/Kg
Area ratio: 0.05210
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.433)
Calc. conc. 135.60 µg/Kg
Area ratio: 0
Sample type: Sample





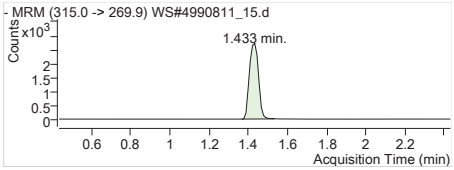
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.134)
Calc. conc. 133.58 µg/Kg
Area ratio: 0
Sample type: Sample

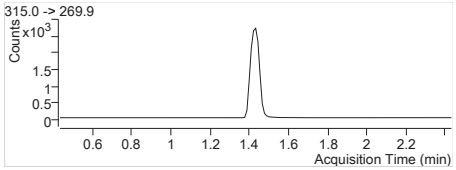
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:BLANK**	**Instrument**	LCMS04
Data File	WS#4990811_15.d	**Operator**	AD
Sample Type	Blank	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-B1
Acq. Date	2017/05/24 9:26:24 PM	**Injection Volume**	Per Method
Sample Annotation	-		

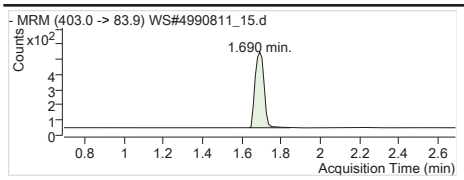
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8669	1.43	1 µg/Kg		
MPFHxS	1590	1.69	1 µg/Kg		
MPFHpA	9975	1.69	1 µg/Kg		
MPFOA	9366	1.87	1 µg/Kg		
MPFOS	1712	1.98	1 µg/Kg		
MPFNA	9292	2.01	1 µg/Kg		
MPFDA	7418	2.13	1 µg/Kg		
MPFUnA	7745	2.22	1 µg/Kg		
MPFDoA	8111	2.31	1 µg/Kg		
MPFTeDA	10313	2.46	1 µg/Kg		
M2 6:2 FTS	2133	1.83	1 µg/Kg		
M2 8:2 FTS	2382	2.10	1 µg/Kg		
13C6-PFHxA IS	45649	1.43	1 µg/Kg		
13C9-PFDA IS	43761	2.13	1 µg/Kg		

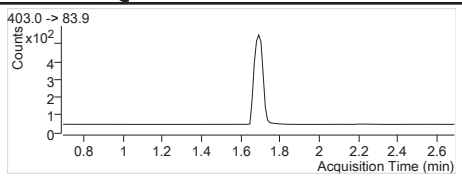
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1	256	1.89	-	0.11 µg/Kg	-
PFOS 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8669	1.43	-	98.61 µg/Kg	-
18O2-PFHxS	1590	1.69	-	97.59 µg/Kg	-
13C4-PFHpA	9975	1.69	-	104.00 µg/Kg	-
13C4-PFOA	9366	1.87	-	101.23 µg/Kg	-
13C4-PFOS	1712	1.98	-	85.48 µg/Kg	-
13C5-PFNA	9292	2.01	-	99.37 µg/Kg	-
13C2-PFDA	7418	2.13	-	90.44 µg/Kg	-
13C2-PFUnA	7745	2.22	-	81.87 µg/Kg	-
13C2-PFDoA	8111	2.31	-	74.77 µg/Kg	-
13C2-PFTeDA	10313	2.46	-	77.36 µg/Kg	-
13C2-6:2-FTS	2133	1.83	-	95.71 µg/Kg	-
13C2-8:2 FTS	2382	2.10	-	103.63 µg/Kg	-
13C6-PFHxA	45649	1.43	-	150.50 µg/Kg	-
13C9-PFDA	43761	2.13	-	159.71 µg/Kg	-



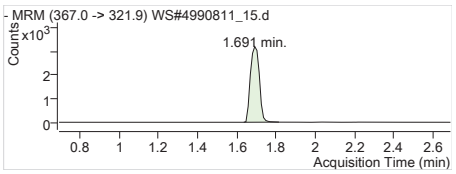


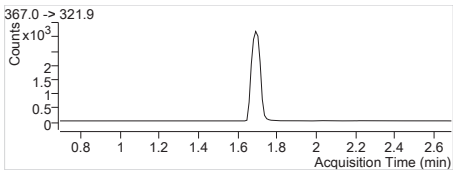
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	Blank



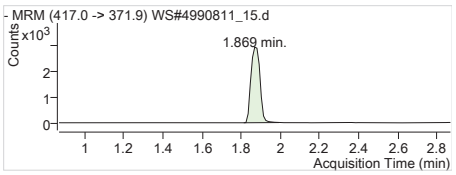


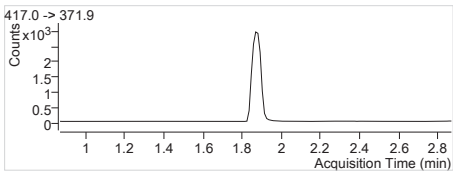
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: Blank



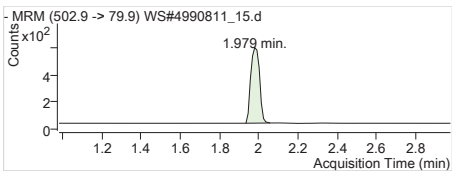


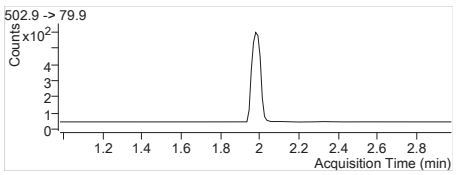
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: Blank



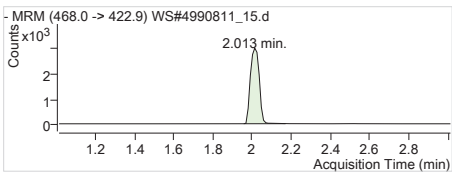


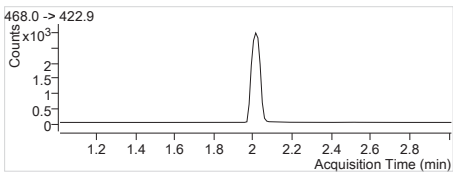
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Blank



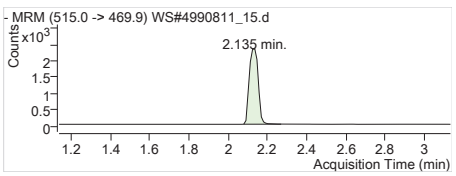


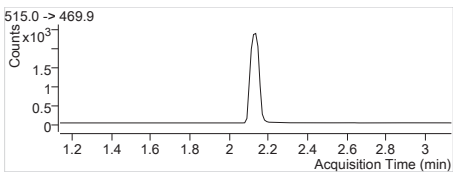
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: Blank



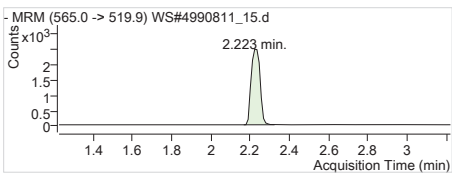


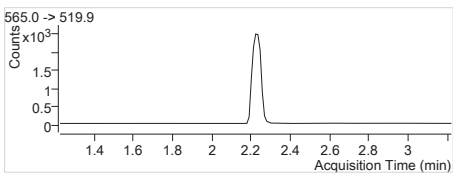
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: Blank



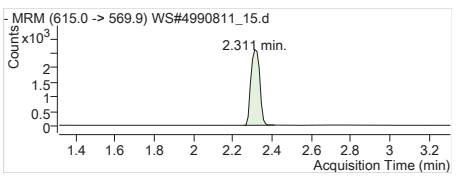


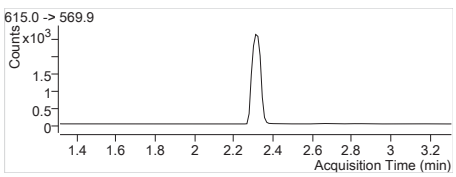
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: Blank



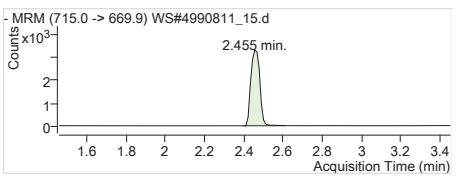


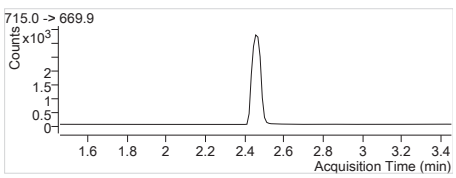
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Blank



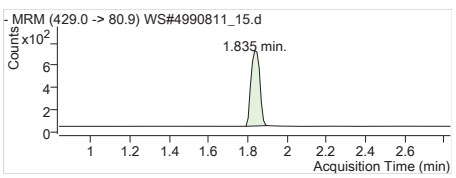


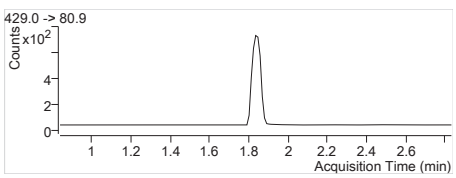
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Blank



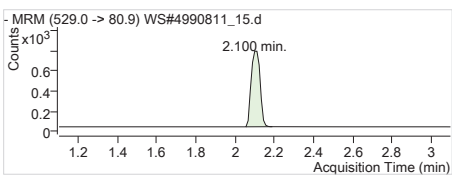


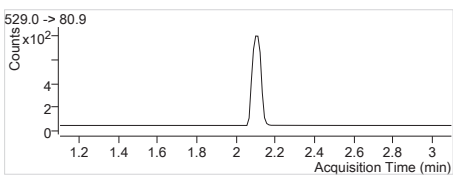
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Blank



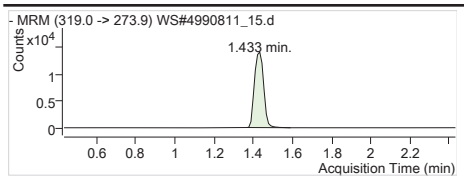


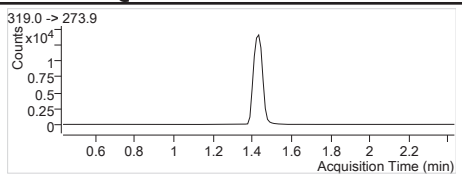
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Blank



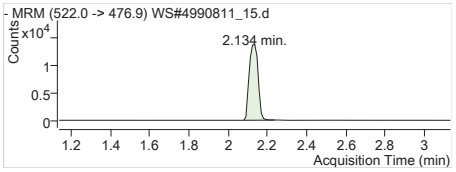


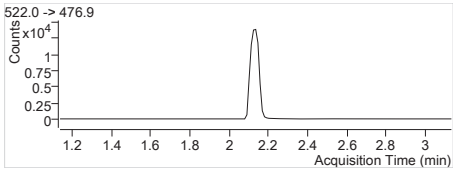
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Blank



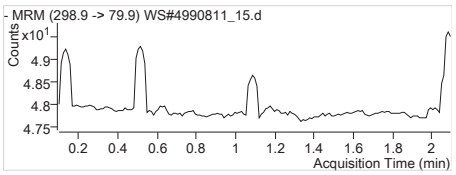


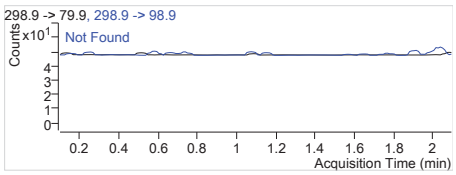
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: Blank



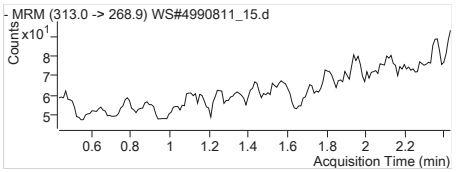


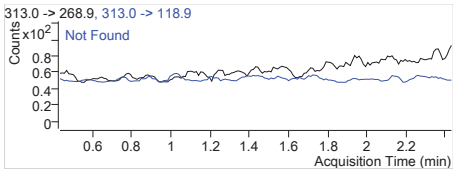
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: Blank



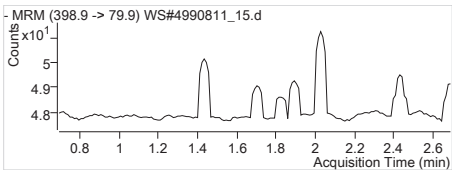


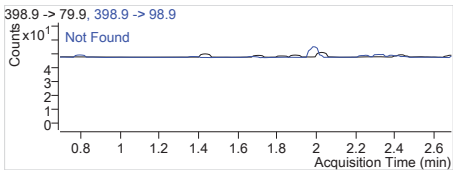
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.098)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



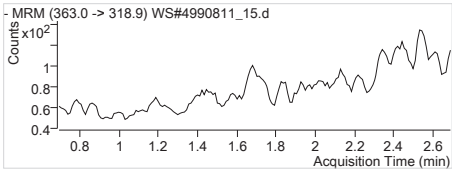


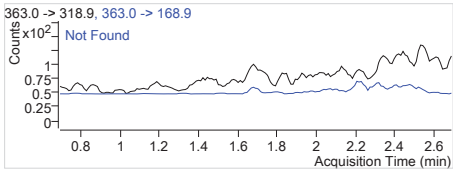
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.434)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



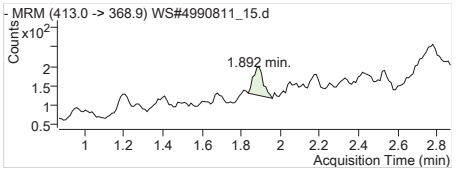


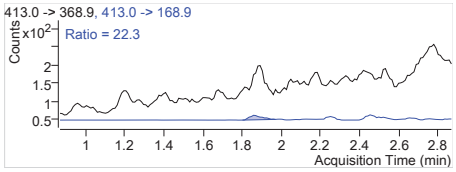
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.690)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



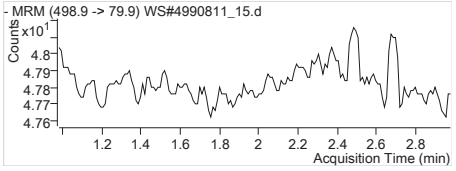


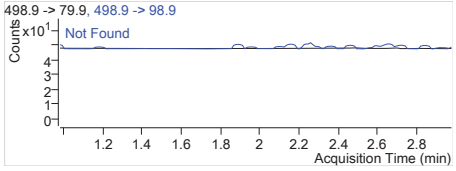
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.691)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



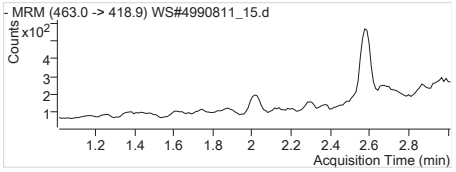


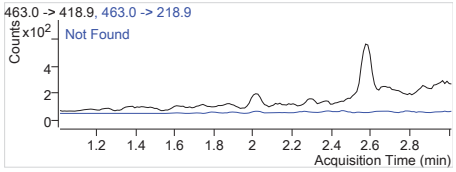
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.892 (1.869)
Calc. conc. 0.11 µg/Kg
Area ratio: 0.02733
Sample type: Blank



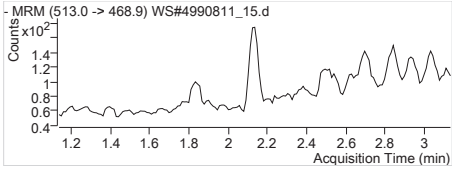


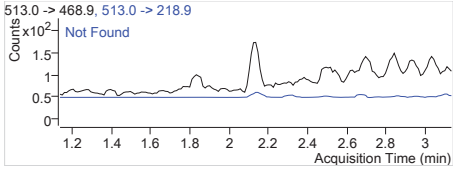
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 0.000 (1.979)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



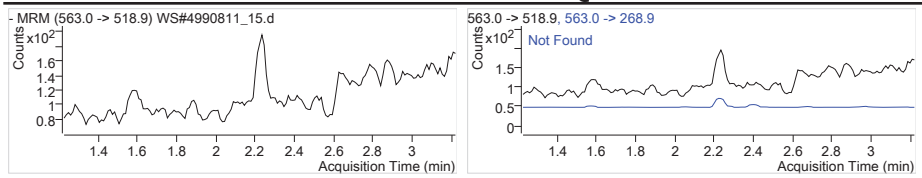


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank

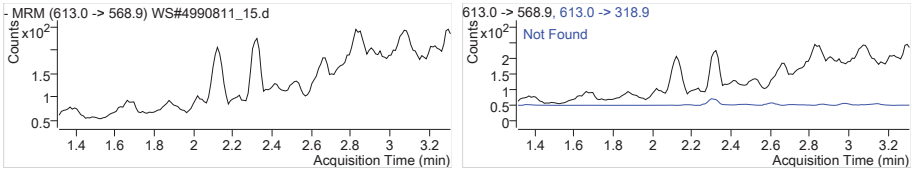




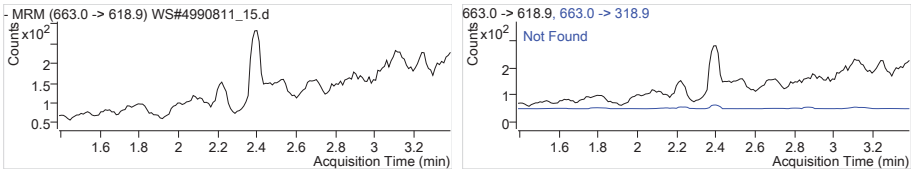
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.135)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



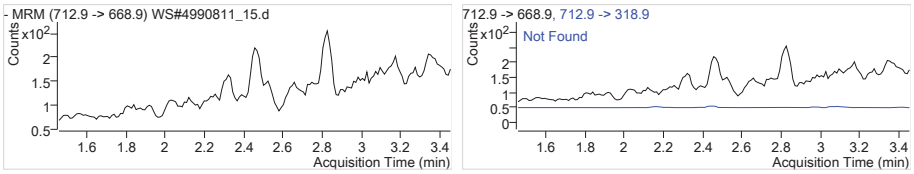
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



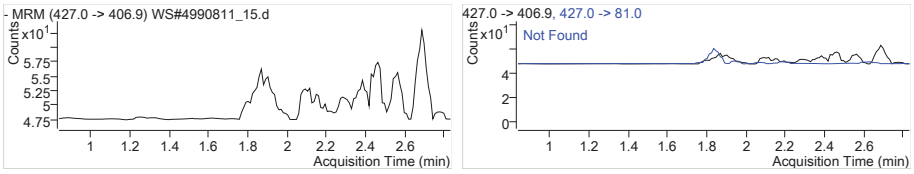
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



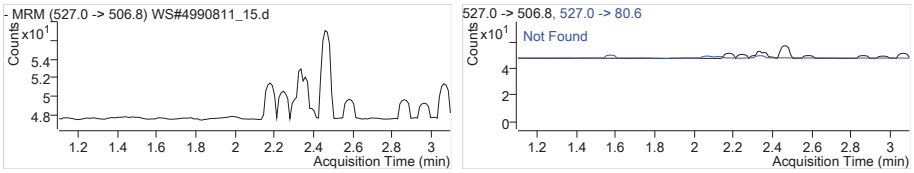
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.388)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



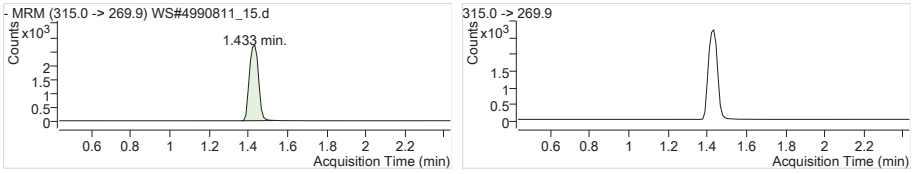
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.455)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



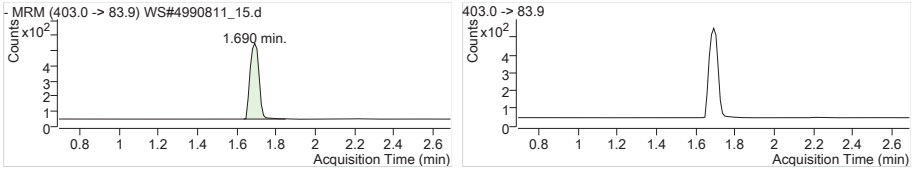
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



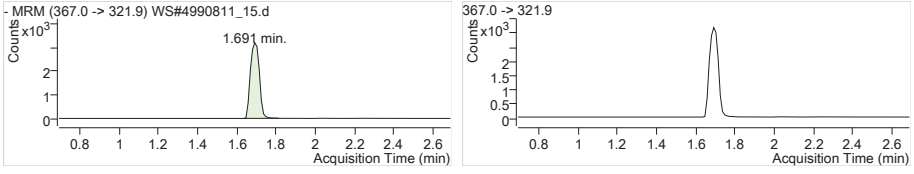
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.100)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



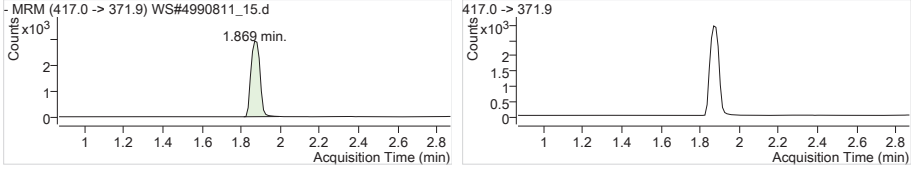
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 98.61 µg/Kg
Area ratio: 0.18991
Sample type: Blank



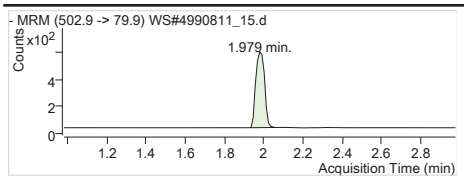
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 97.59 µg/Kg
Area ratio: 0.03483
Sample type: Blank

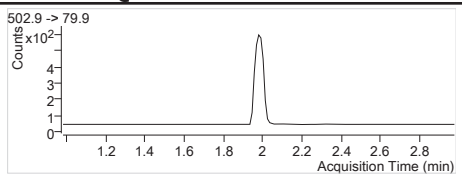


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 104.00 µg/Kg
Area ratio: 0.21852
Sample type: Blank

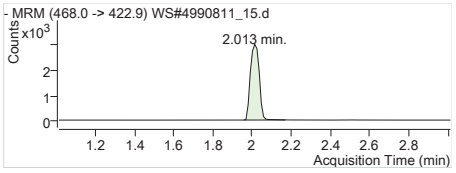


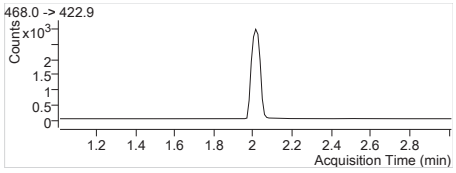
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 101.23 µg/Kg
Area ratio: 0.20517
Sample type: Blank



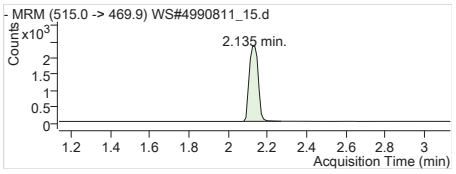


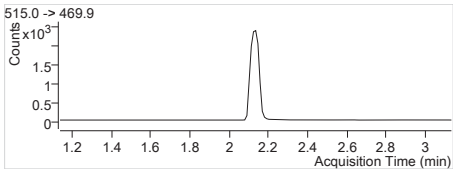
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 85.48 µg/Kg
Area ratio: 0.03750
Sample type: Blank



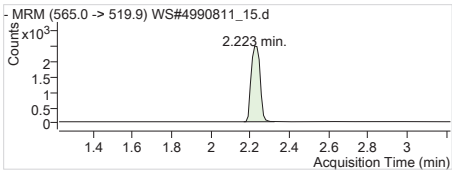


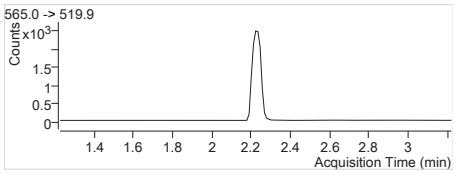
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 99.37 µg/Kg
Area ratio: 0.20355
Sample type: Blank



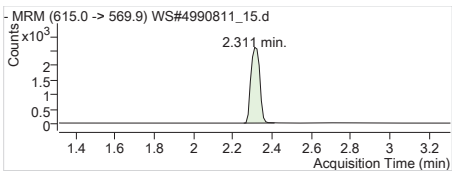


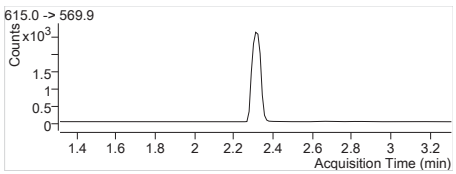
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 90.44 µg/Kg
Area ratio: 0.16951
Sample type: Blank



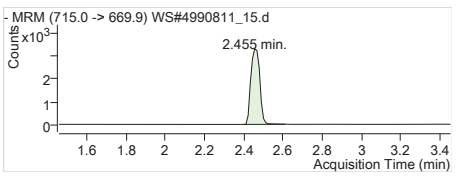


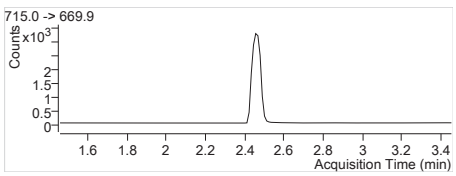
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 81.87 µg/Kg
Area ratio: 0.17698
Sample type: Blank



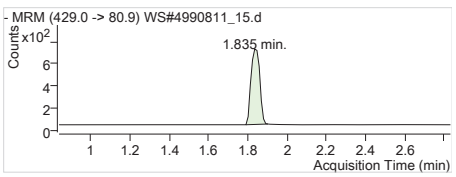


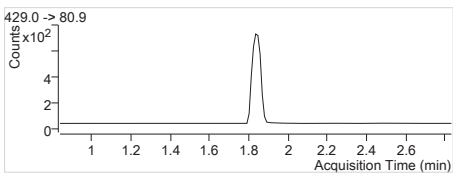
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 74.77 µg/Kg
Area ratio: 0.18535
Sample type: Blank



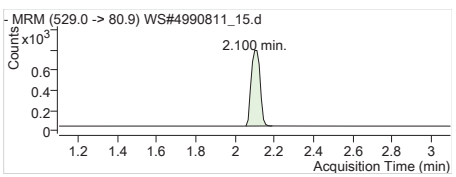


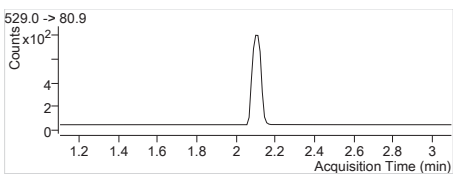
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 77.36 µg/Kg
Area ratio: 0.23567
Sample type: Blank



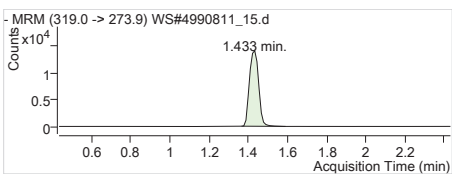


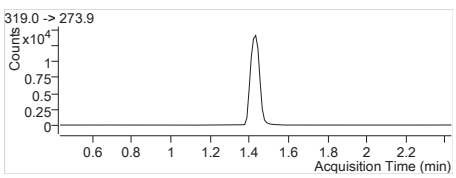
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 95.71 µg/Kg
Area ratio: 0.04673
Sample type: Blank



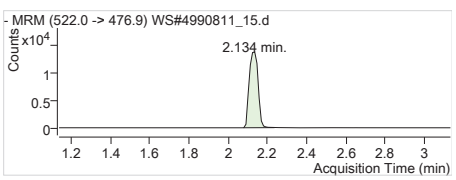


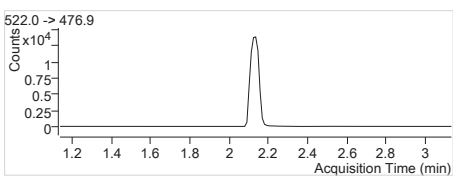
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 103.63 µg/Kg
Area ratio: 0.05218
Sample type: Blank





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 150.50 µg/Kg
Area ratio: 0
Sample type: Blank





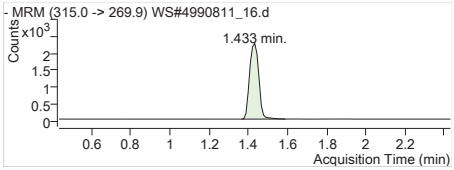
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 159.71 µg/Kg
Area ratio: 0
Sample type: Blank

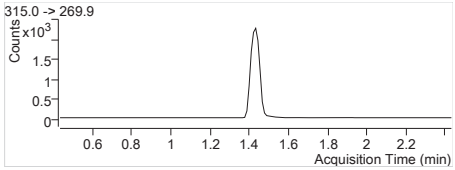
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:MTRX SPK**	**Instrument**	LCMS04
Data File	WS#4990811_16.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-B2
Acq. Date	2017/05/24 9:31:18 PM	**Injection Volume**	Per Method
Sample Annotation	EJI429		

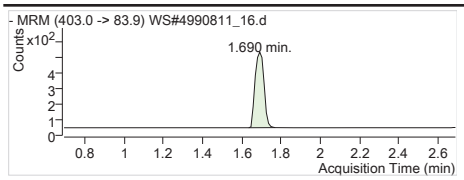
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	7303	1.43	1 µg/Kg		
MPFHxS	1546	1.69	1 µg/Kg		
MPFHpA	8436	1.69	1 µg/Kg		
MPFOA	7897	1.87	1 µg/Kg		
MPFOS	1573	1.98	1 µg/Kg		
MPFNA	7746	2.01	1 µg/Kg		
MPFDA	6617	2.13	1 µg/Kg		
MPFUnA	7288	2.22	1 µg/Kg		
MPFDoA	7404	2.31	1 µg/Kg		
MPFTeDA	8012	2.46	1 µg/Kg		
M2 6:2 FTS	1901	1.83	1 µg/Kg		
M2 8:2 FTS	1815	2.10	1 µg/Kg		
13C6-PFHxA IS	37247	1.43	1 µg/Kg		
13C9-PFDA IS	34489	2.13	1 µg/Kg		

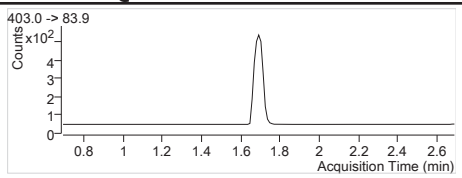
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	15539	1.11	18.80	20.95 µg/Kg	83.81
PFHxA 1	65590	1.43	18.80	25.63 µg/Kg	102.49
PFHxS 1	15116	1.69	18.80	25.18 µg/Kg	100.70
PFHpA 1	70740	1.69	18.80	22.93 µg/Kg	91.69
PFOA 1	68653	1.87	18.80	24.42 µg/Kg	97.65
PFOS 1	18137	1.98	18.80	39.07 µg/Kg	156.24
PFNA 1	60001	2.01	18.80	24.61 µg/Kg	98.43
PFDA 1	62482	2.12	18.80	23.56 µg/Kg	94.21
PFUnA 1	58557	2.22	18.80	21.68 µg/Kg	86.71
PFDoA 1	56844	2.31	18.80	22.74 µg/Kg	90.96
PFTrDA 1	64855	2.39	18.80	25.79 µg/Kg	103.14
PFTeDA 1	56815	2.46	18.80	23.46 µg/Kg	93.84
6:2-FTS 1	14564	1.83	18.80	23.43 µg/Kg	93.70
8:2-FTS 1	12935	2.10	18.80	24.70 µg/Kg	98.80
13C2-PFHxA	7303	1.43	100.00	101.81 µg/Kg	101.81
18O2-PFHxS	1546	1.69	100.00	116.30 µg/Kg	116.30
13C4-PFHpA	8436	1.69	100.00	107.80 µg/Kg	107.80
13C4-PFOA	7897	1.87	100.00	104.61 µg/Kg	104.61
13C4-PFOS	1573	1.98	100.00	96.25 µg/Kg	96.25
13C5-PFNA	7746	2.01	100.00	101.52 µg/Kg	101.52
13C2-PFDA	6617	2.13	100.00	102.37 µg/Kg	102.37
13C2-PFUnA	7288	2.22	100.00	97.75 µg/Kg	97.75
13C2-PFDoA	7404	2.31	100.00	86.60 µg/Kg	86.60
13C2-PFTeDA	8012	2.46	100.00	76.25 µg/Kg	76.25
13C2-6:2-FTS	1901	1.83	100.00	104.54 µg/Kg	104.54
13C2-8:2 FTS	1815	2.10	100.00	96.77 µg/Kg	96.77
13C6-PFHxA	37247	1.43	100.00	122.80 µg/Kg	92.33
13C9-PFDA	34489	2.13	100.00	125.87 µg/Kg	94.64



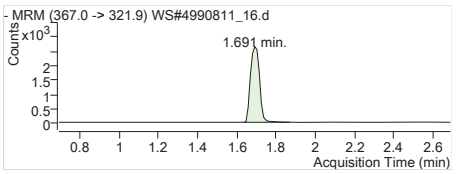


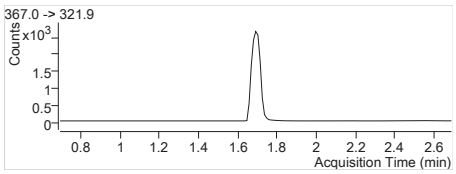
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	QC



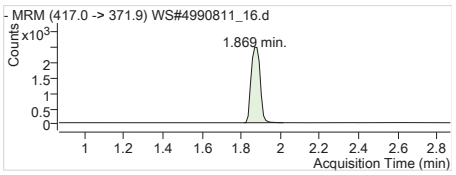


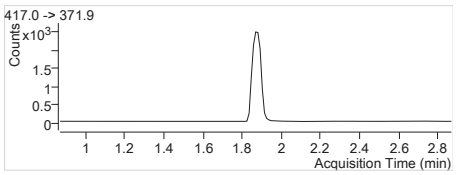
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: QC



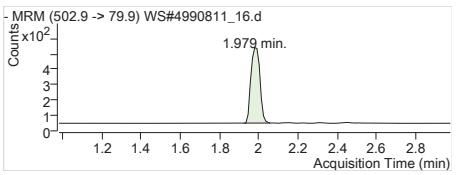


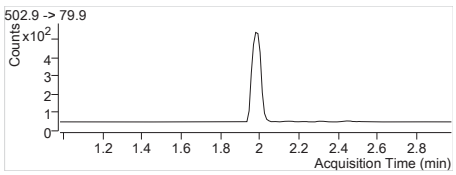
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: QC



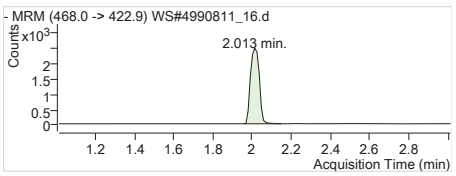


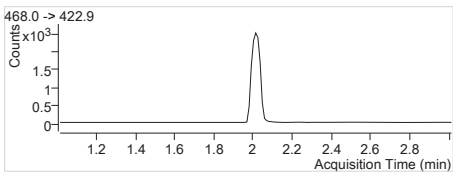
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: QC



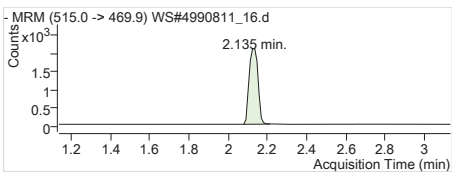


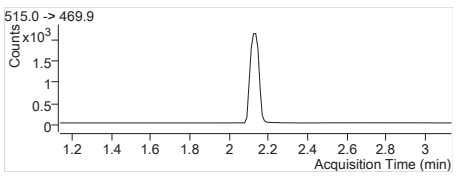
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: QC



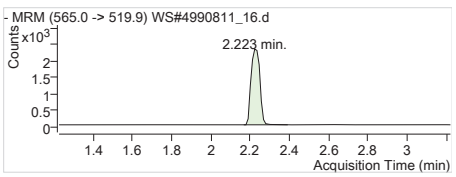


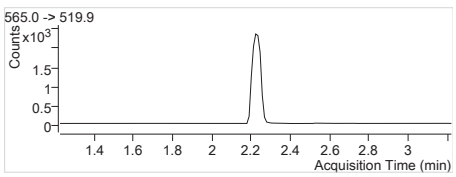
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: QC



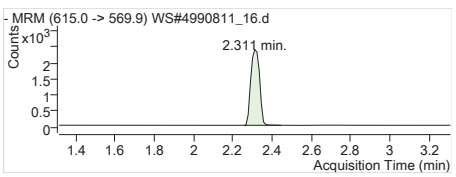


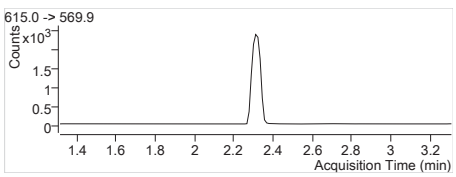
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: QC



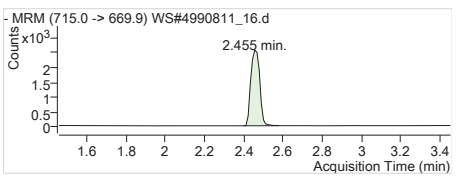


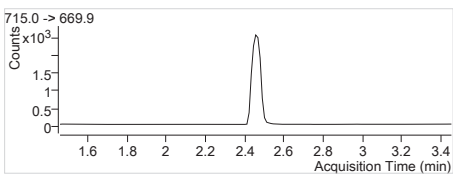
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: QC



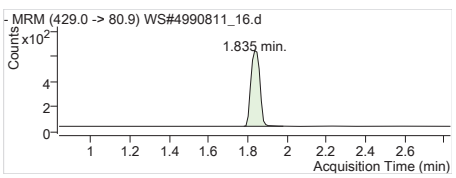


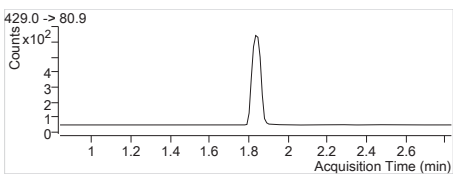
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: QC



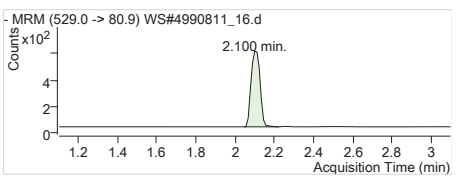


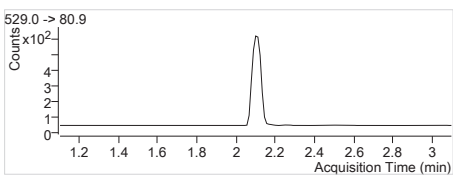
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: QC



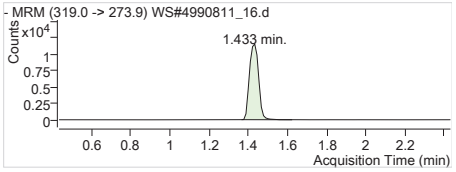


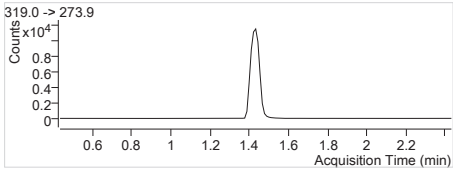
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: QC



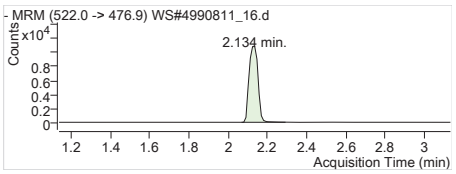


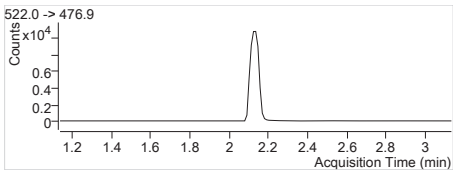
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: QC



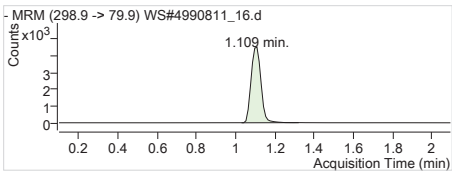


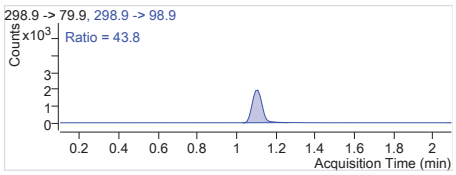
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: QC



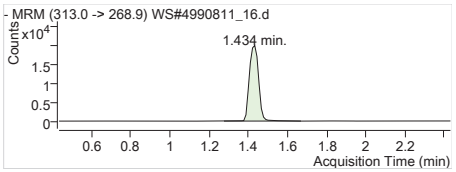


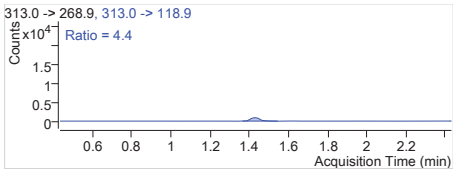
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: QC



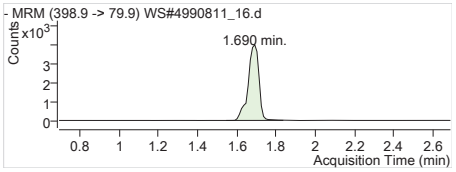


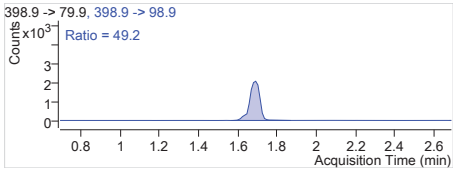
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.109 (1.098)
Calc. conc. 20.95 µg/Kg
Area ratio: 10.05110
Sample type: QC



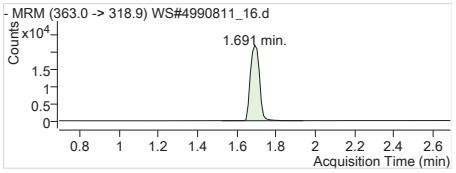


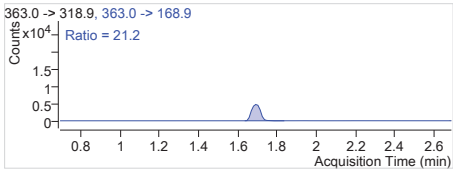
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 25.63 µg/Kg
Area ratio: 8.98124
Sample type: QC



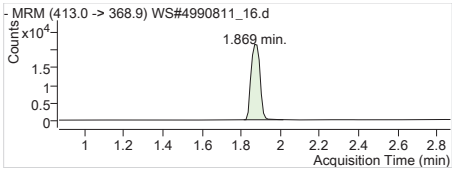


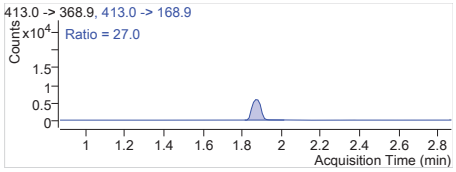
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 25.18 µg/Kg
Area ratio: 9.77749
Sample type: QC



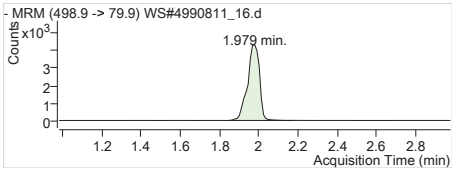


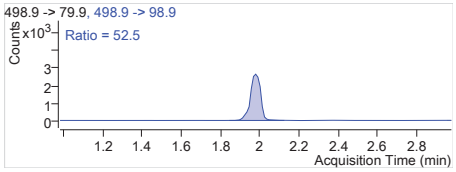
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 22.93 µg/Kg
Area ratio: 8.38549
Sample type: QC



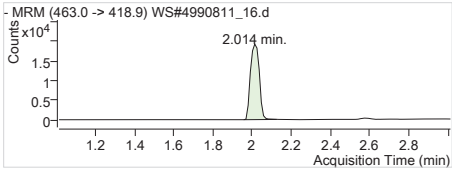


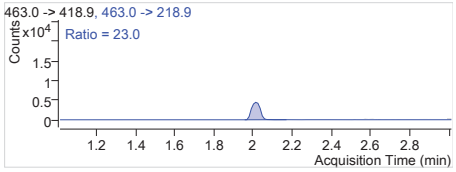
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 24.42 µg/Kg
Area ratio: 8.69355
Sample type: QC



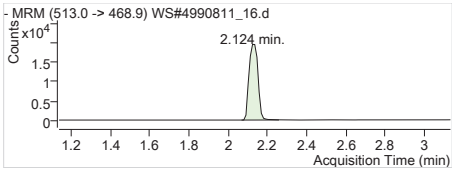


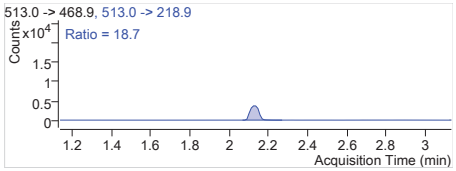
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 39.07 µg/Kg
Area ratio: 11.53020
Sample type: QC



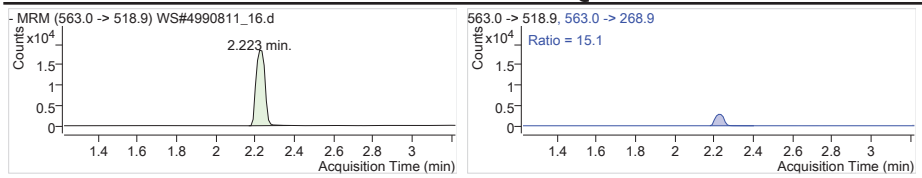


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 24.61 µg/Kg
Area ratio: 7.74606
Sample type: QC

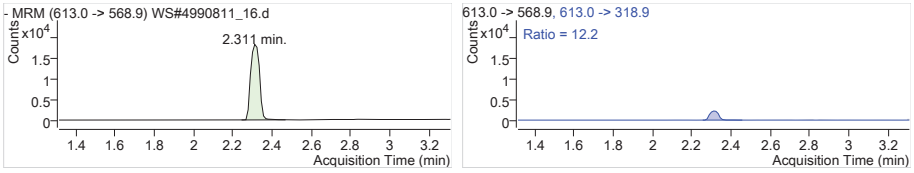




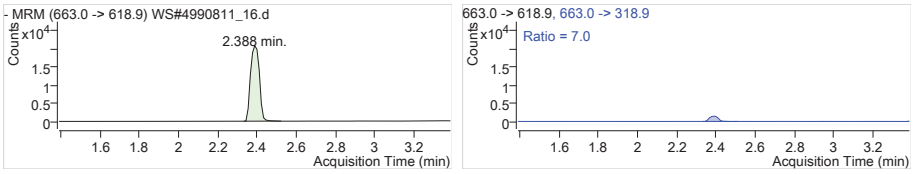
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.135)
Calc. conc. 23.56 µg/Kg
Area ratio: 9.44265
Sample type: QC



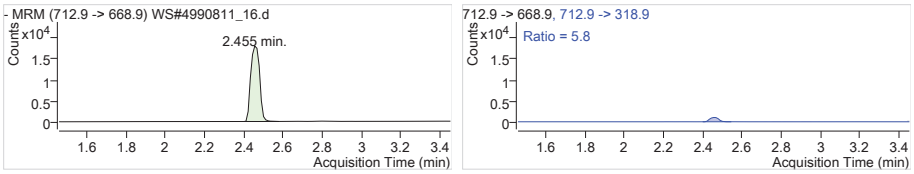
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 21.68 µg/Kg
Area ratio: 8.03471
Sample type: QC



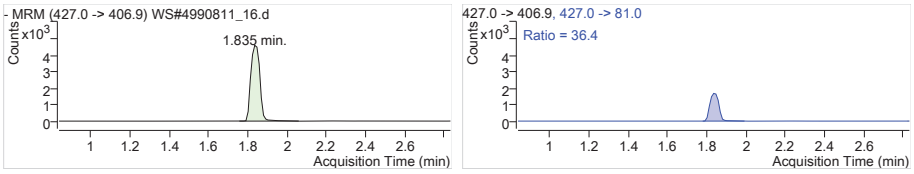
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 22.74 µg/Kg
Area ratio: 7.67747
Sample type: QC



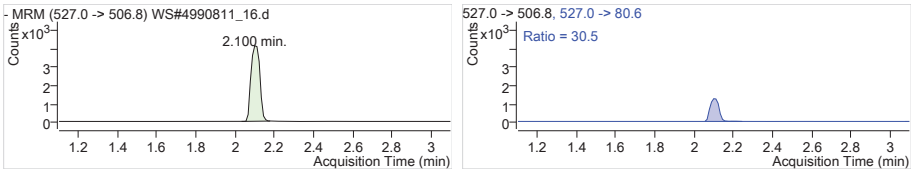
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 25.79 µg/Kg
Area ratio: 8.09473
Sample type: QC



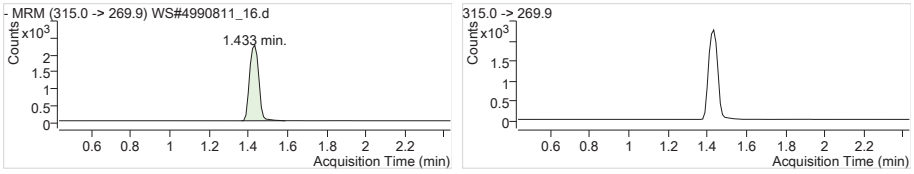
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 23.46 µg/Kg
Area ratio: 7.09124
Sample type: QC



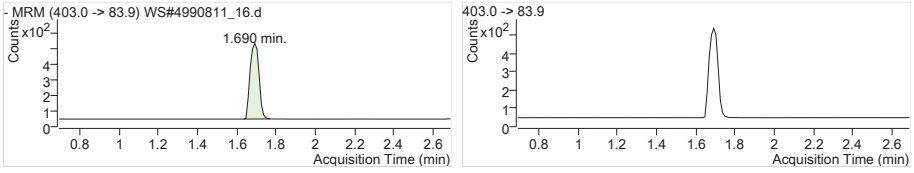
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 23.43 µg/Kg
Area ratio: 7.66123
Sample type: QC



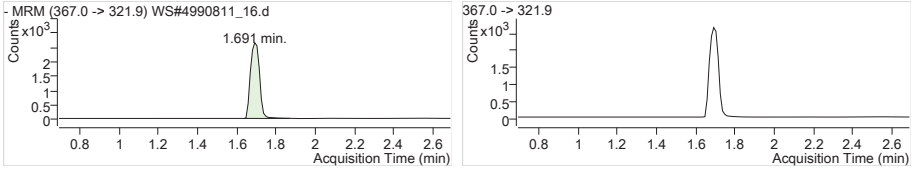
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 24.70 µg/Kg
Area ratio: 7.12672
Sample type: QC



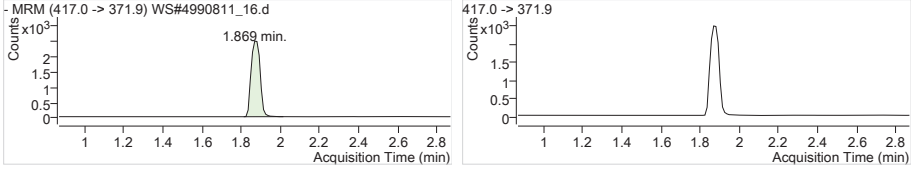
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 101.81 µg/Kg
Area ratio: 0.19607
Sample type: QC



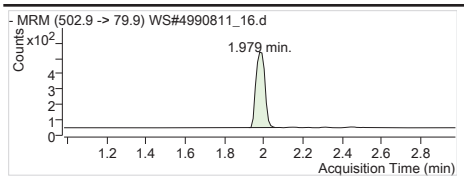
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 116.30 µg/Kg
Area ratio: 0.04151
Sample type: QC

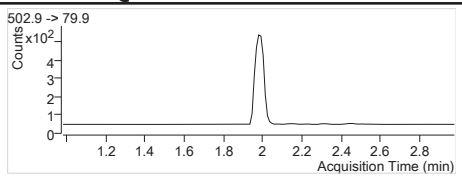


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 107.80 µg/Kg
Area ratio: 0.22649
Sample type: QC

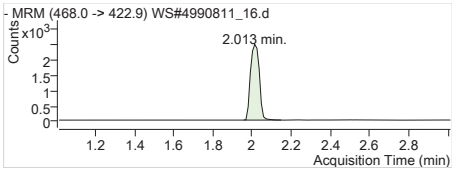


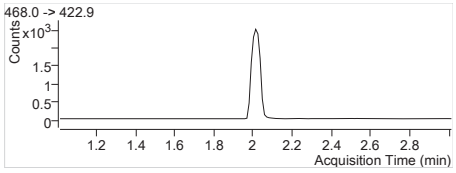
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 104.61 µg/Kg
Area ratio: 0.21202
Sample type: QC



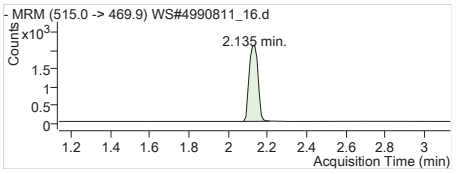


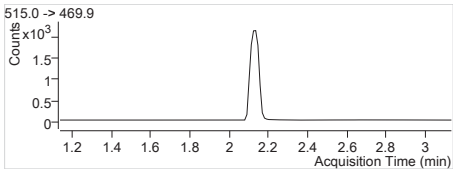
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 96.25 µg/Kg
Area ratio: 0.04223
Sample type: QC



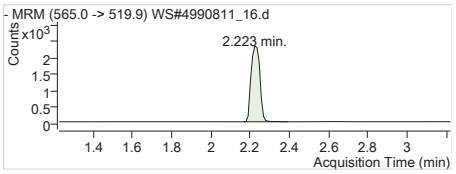


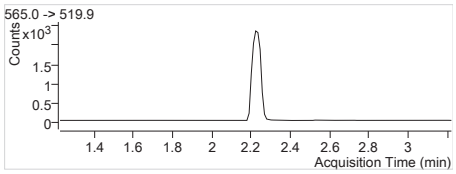
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 101.52 µg/Kg
Area ratio: 0.20796
Sample type: QC



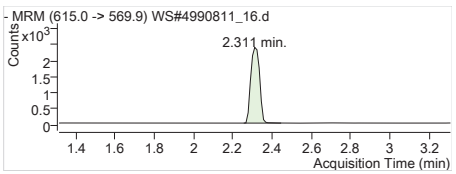


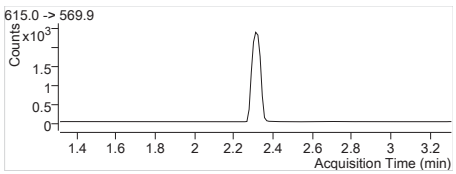
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 102.37 µg/Kg
Area ratio: 0.19186
Sample type: QC



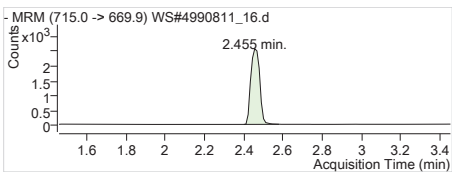


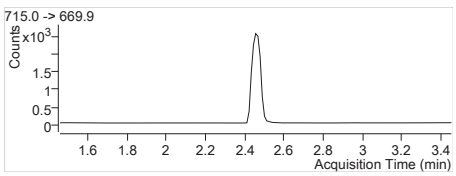
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 97.75 µg/Kg
Area ratio: 0.21131
Sample type: QC



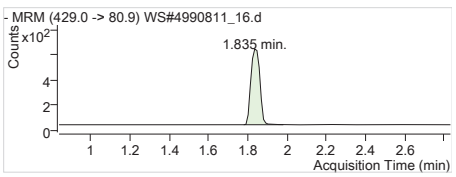


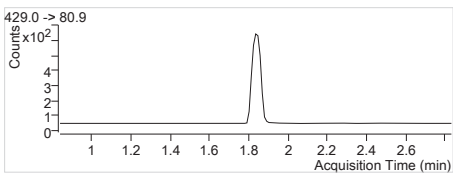
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 86.60 µg/Kg
Area ratio: 0.21468
Sample type: QC



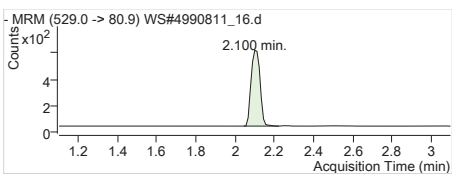


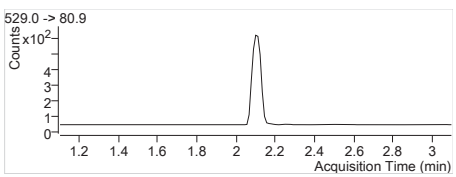
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 76.25 µg/Kg
Area ratio: 0.23231
Sample type: QC



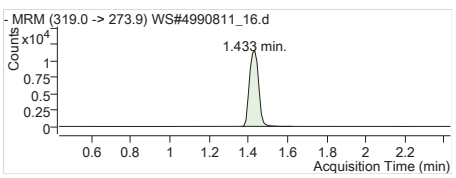


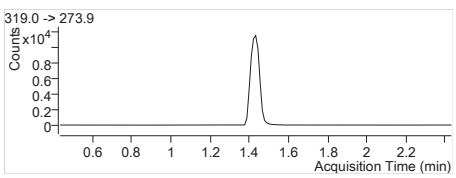
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 104.54 µg/Kg
Area ratio: 0.05104
Sample type: QC



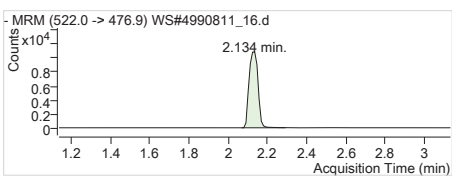


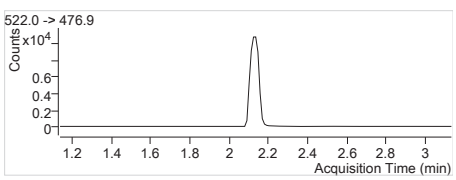
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 96.77 µg/Kg
Area ratio: 0.04873
Sample type: QC





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 122.80 µg/Kg
Area ratio: 0
Sample type: QC





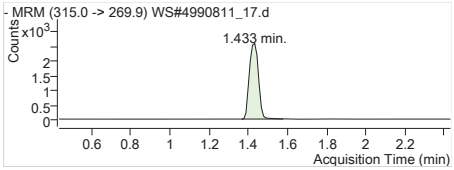
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 125.87 µg/Kg
Area ratio: 0
Sample type: QC

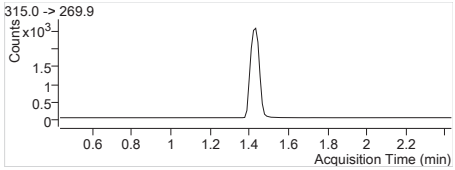
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:MTRX SPK:D1**	**Instrument**	LCMS04
Data File	WS#4990811_17.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-B3
Acq. Date	2017/05/24 9:36:13 PM	**Injection Volume**	Per Method
Sample Annotation	EJI429		

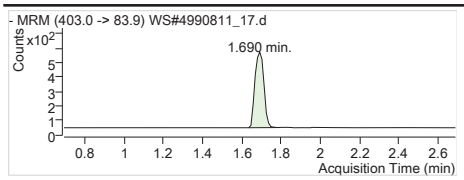
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8220	1.43	1 µg/Kg		
MPFHxS	1671	1.69	1 µg/Kg		
MPFHpA	8530	1.69	1 µg/Kg		
MPFOA	9123	1.87	1 µg/Kg		
MPFOS	1934	1.98	1 µg/Kg		
MPFNA	8613	2.01	1 µg/Kg		
MPFDA	6710	2.13	1 µg/Kg		
MPFUnA	7477	2.22	1 µg/Kg		
MPFDoA	7962	2.31	1 µg/Kg		
MPFTeDA	9172	2.46	1 µg/Kg		
M2 6:2 FTS	1978	1.83	1 µg/Kg		
M2 8:2 FTS	2105	2.10	1 µg/Kg		
13C6-PFHxA IS	42464	1.43	1 µg/Kg		
13C9-PFDA IS	38358	2.13	1 µg/Kg		

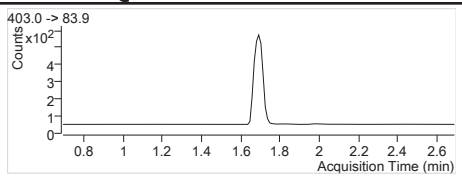
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	17633	1.11	18.80	21.99 µg/Kg	87.96
PFHxA 1	71685	1.43	18.80	24.88 µg/Kg	99.52
PFHxS 1	17778	1.69	18.80	27.38 µg/Kg	109.52
PFHpA 1	77251	1.69	18.80	24.75 µg/Kg	98.98
PFOA 1	74611	1.87	18.80	22.97 µg/Kg	91.87
PFOS 1	20504	1.98	18.80	35.92 µg/Kg	143.66
PFNA 1	63435	2.01	18.80	23.40 µg/Kg	93.59
PFDA 1	66116	2.13	18.80	24.59 µg/Kg	98.33
PFUnA 1	61758	2.23	18.80	22.28 µg/Kg	89.12
PFDoA 1	58992	2.31	18.80	21.94 µg/Kg	87.76
PFTrDA 1	68602	2.39	18.80	23.83 µg/Kg	95.29
PFTeDA 1	63564	2.46	18.80	22.93 µg/Kg	91.71
6:2-FTS 1	15087	1.83	18.80	23.32 µg/Kg	93.28
8:2-FTS 1	13615	2.10	18.80	22.41 µg/Kg	89.64
13C2-PFHxA	8220	1.43	100.00	100.52 µg/Kg	100.52
18O2-PFHxS	1671	1.69	100.00	110.26 µg/Kg	110.26
13C4-PFHpA	8530	1.69	100.00	95.61 µg/Kg	95.61
13C4-PFOA	9123	1.87	100.00	106.00 µg/Kg	106.00
13C4-PFOS	1934	1.98	100.00	103.80 µg/Kg	103.80
13C5-PFNA	8613	2.01	100.00	99.02 µg/Kg	99.02
13C2-PFDA	6710	2.13	100.00	93.34 µg/Kg	93.34
13C2-PFUnA	7477	2.22	100.00	90.17 µg/Kg	90.17
13C2-PFDoA	7962	2.31	100.00	83.74 µg/Kg	83.74
13C2-PFTeDA	9172	2.46	100.00	78.49 µg/Kg	78.49
13C2-6:2-FTS	1978	1.83	100.00	95.41 µg/Kg	95.41
13C2-8:2 FTS	2105	2.10	100.00	98.44 µg/Kg	98.44
13C6-PFHxA	42464	1.43	100.00	140.00 µg/Kg	105.26
13C9-PFDA	38358	2.13	100.00	139.99 µg/Kg	105.26



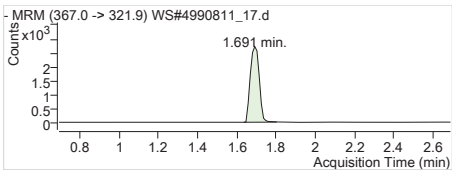


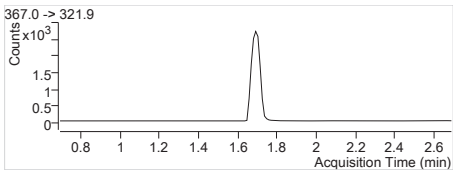
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	QC



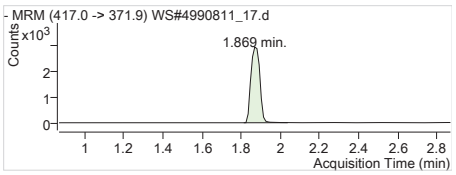


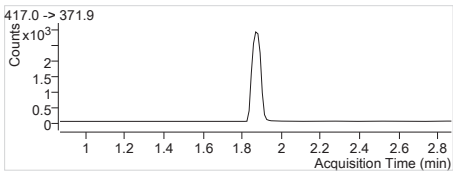
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: QC



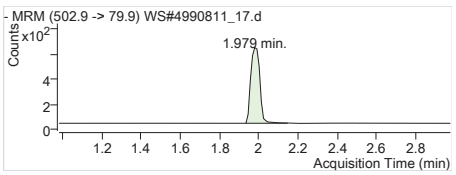


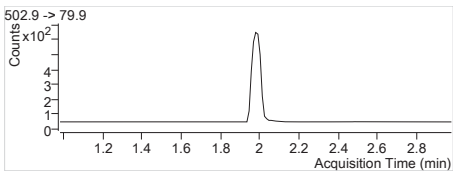
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: QC



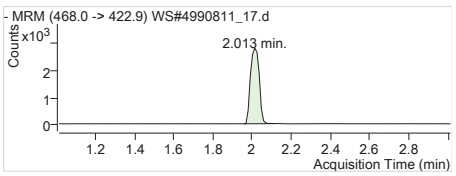


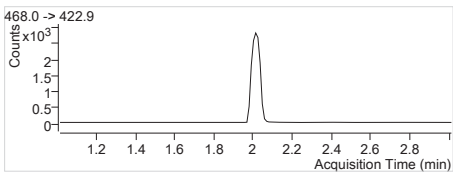
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: QC



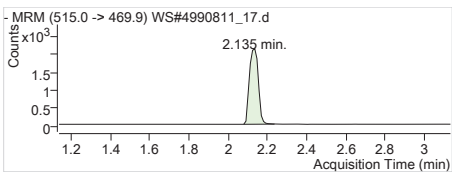


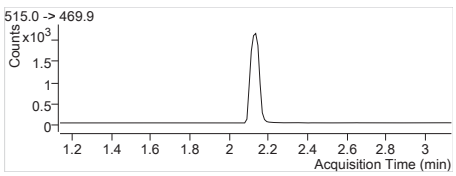
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: QC



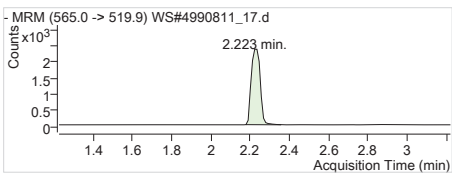


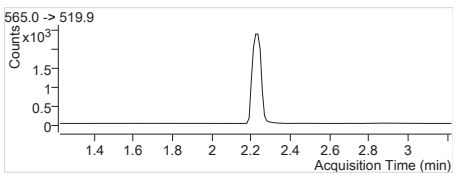
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: QC



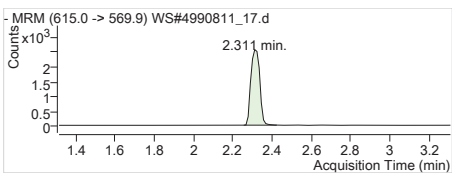


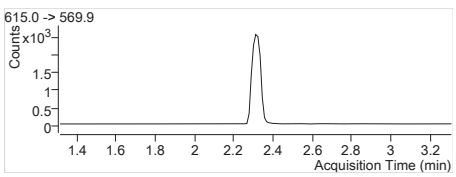
MPFDA Internal Standard
RT (Exp. RT): 2.135 (2.135)
Concentration: 1 µg/Kg
Sample type: QC



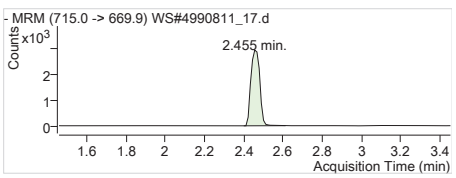


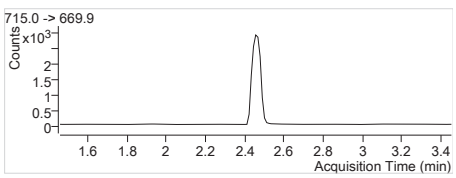
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: QC



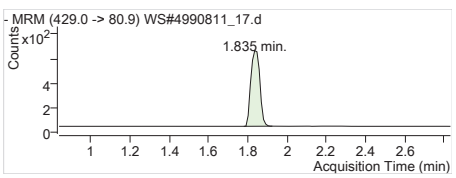


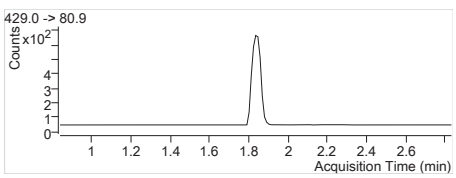
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: QC



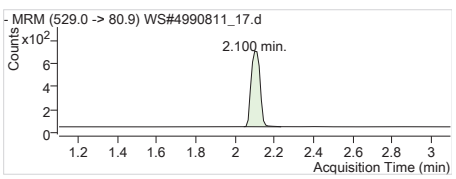


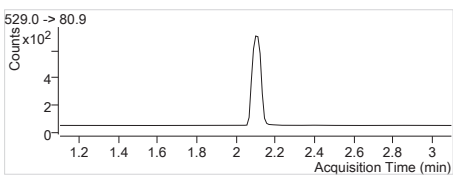
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: QC



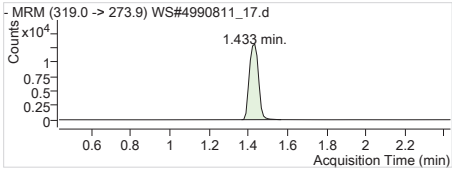


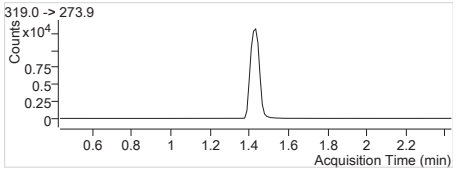
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: QC



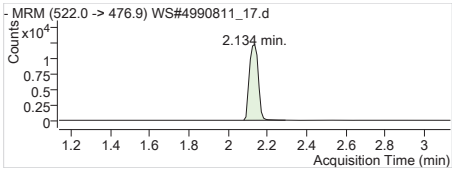


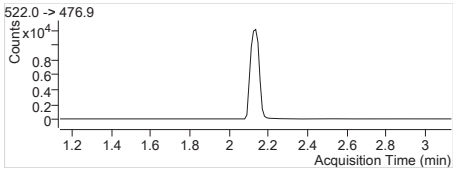
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: QC



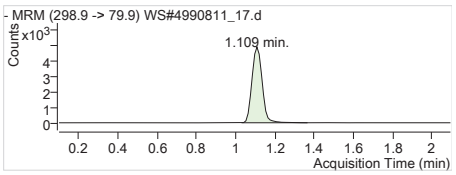


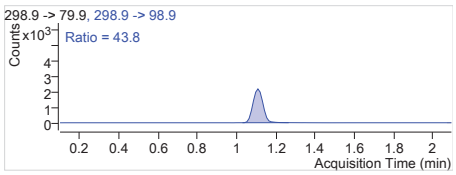
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: QC



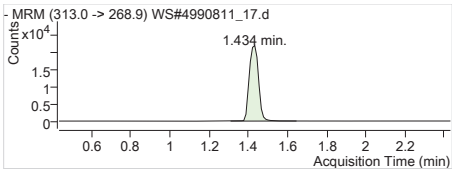


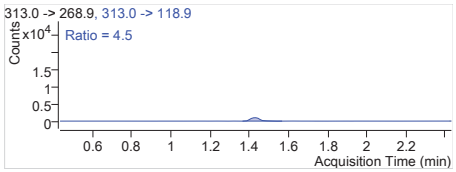
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: QC



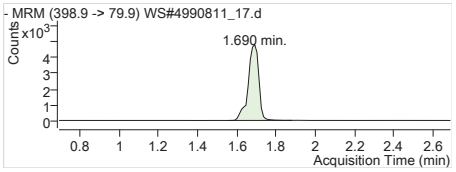


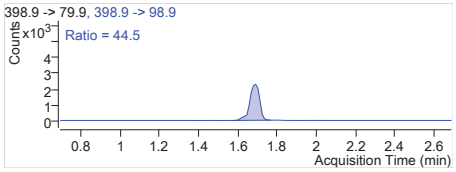
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.109 (1.098)
Calc. conc. 21.99 µg/Kg
Area ratio: 10.55236
Sample type: QC



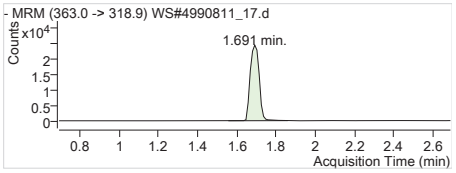


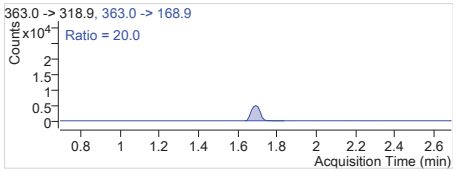
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 24.88 µg/Kg
Area ratio: 8.72080
Sample type: QC



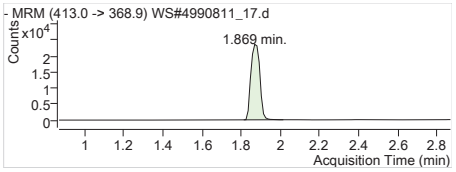


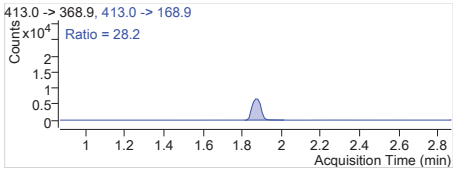
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 27.38 µg/Kg
Area ratio: 10.63914
Sample type: QC



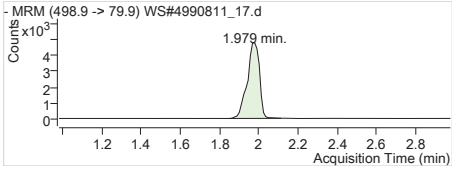


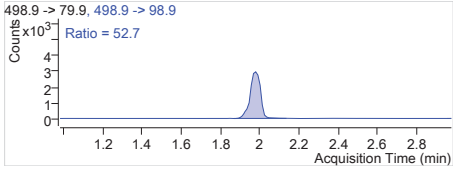
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 24.75 µg/Kg
Area ratio: 9.05639
Sample type: QC



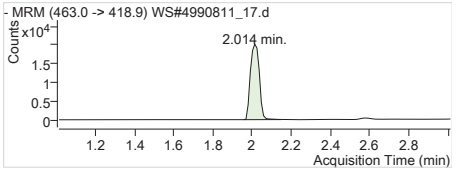


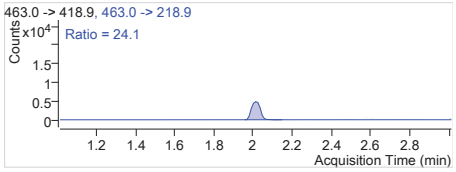
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 22.97 µg/Kg
Area ratio: 8.17834
Sample type: QC



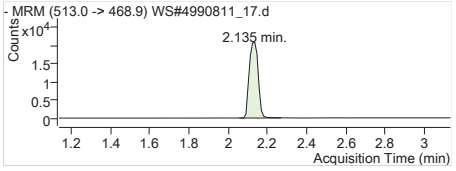


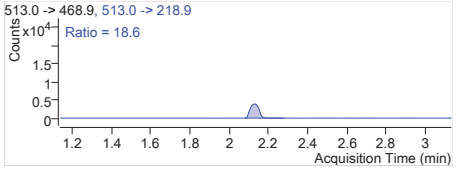
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 35.92 µg/Kg
Area ratio: 10.60186
Sample type: QC



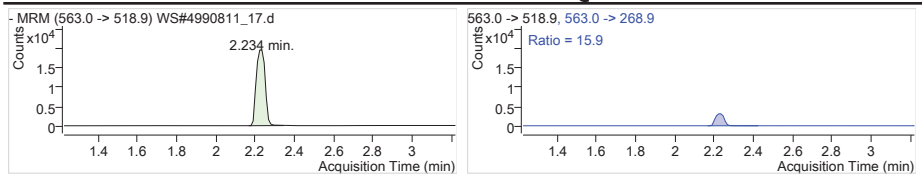


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 23.40 µg/Kg
Area ratio: 7.36503
Sample type: QC

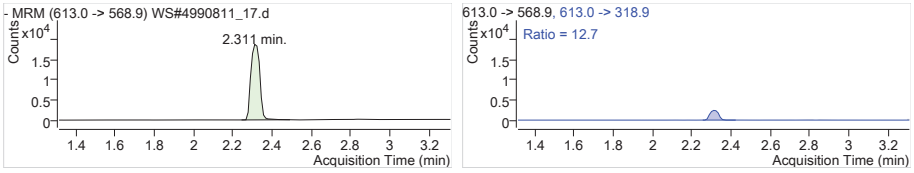




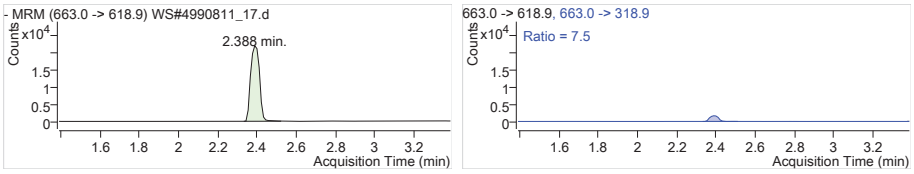
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 24.59 µg/Kg
Area ratio: 9.85335
Sample type: QC



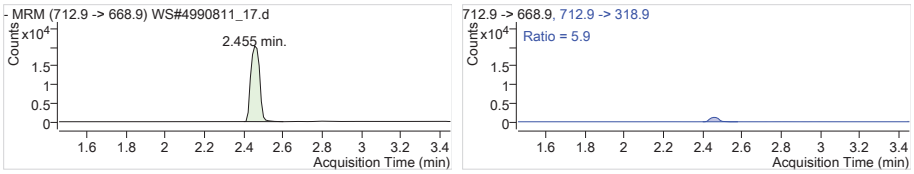
PFUnA 1	563.0 -> 518.9
RT (Exp. RT):	2.234 (2.223)
Calc. conc.	22.28 µg/Kg
Area ratio:	8.25973
Sample type:	QC



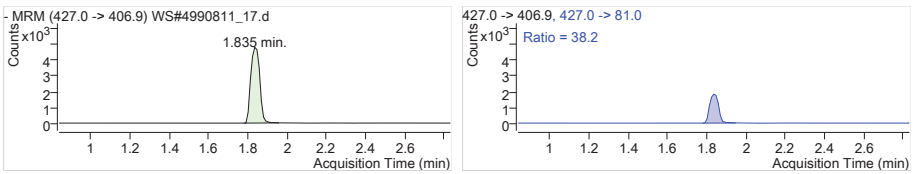
PFDoA 1	613.0 -> 568.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	21.94 µg/Kg
Area ratio:	7.40919
Sample type:	QC



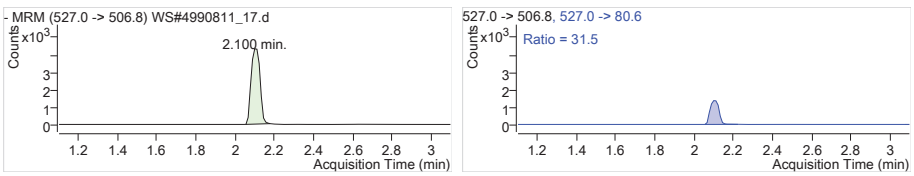
PFTrDA 1	663.0 -> 618.9
RT (Exp. RT):	2.388 (2.388)
Calc. conc.	23.83 µg/Kg
Area ratio:	7.47950
Sample type:	QC



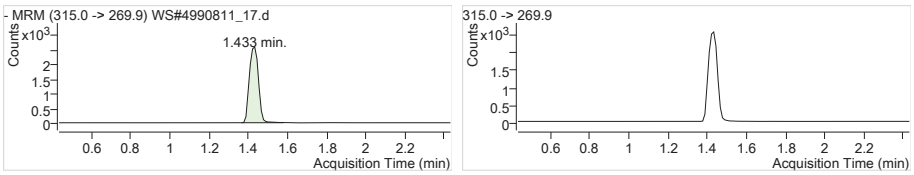
PFTeDA 1	712.9 -> 668.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	22.93 µg/Kg
Area ratio:	6.93022
Sample type:	QC



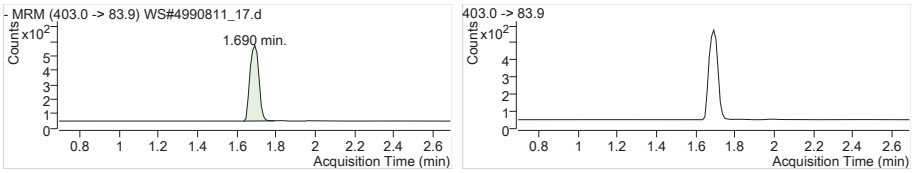
6:2-FTS 1	427.0 -> 406.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	23.32 µg/Kg
Area ratio:	7.62740
Sample type:	QC



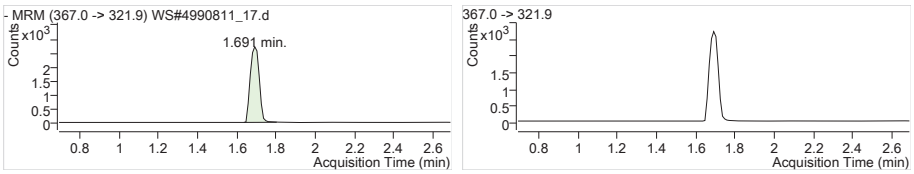
8:2-FTS 1	527.0 -> 506.8
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	22.41 µg/Kg
Area ratio:	6.46793
Sample type:	QC



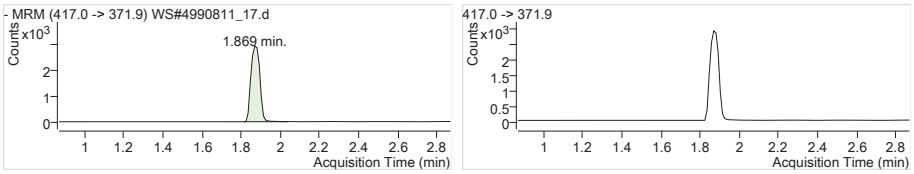
13C2-PFHxA	315.0 -> 269.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	100.52 µg/Kg
Area ratio:	0.19358
Sample type:	QC



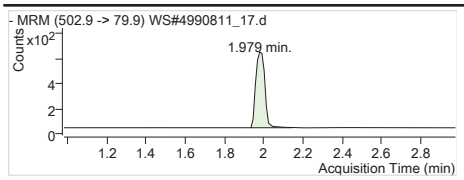
18O2-PFHxS	403.0 -> 83.9
RT (Exp. RT):	1.690 (1.690)
Calc. conc.	110.26 µg/Kg
Area ratio:	0.03935
Sample type:	QC

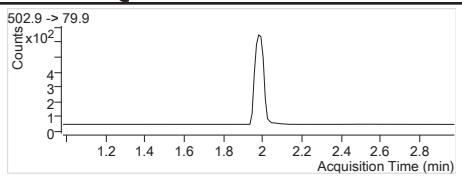


13C4-PFHpA	367.0 -> 321.9
RT (Exp. RT):	1.691 (1.691)
Calc. conc.	95.61 µg/Kg
Area ratio:	0.20088
Sample type:	QC

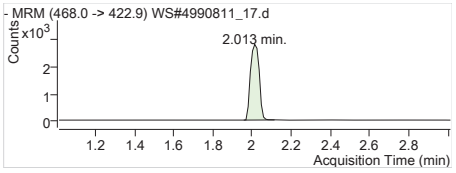


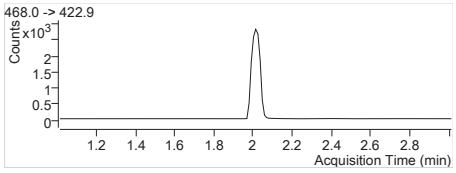
13C4-PFOA	417.0 -> 371.9
RT (Exp. RT):	1.869 (1.869)
Calc. conc.	106.00 µg/Kg
Area ratio:	0.21484
Sample type:	QC



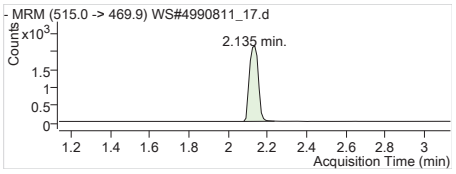


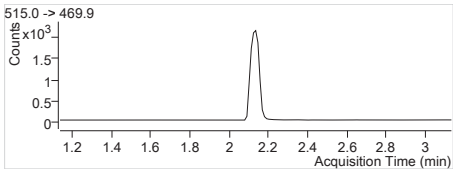
13C4-PFOS 502.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 103.80 µg/Kg
Area ratio: 0.04554
Sample type: QC



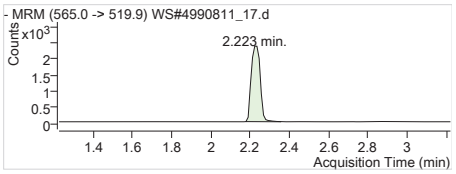


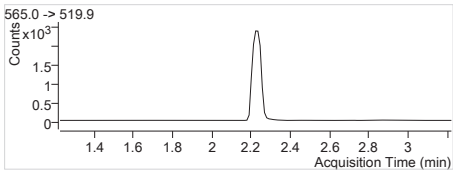
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.013 (2.013)
Calc. conc. 99.02 µg/Kg
Area ratio: 0.20283
Sample type: QC



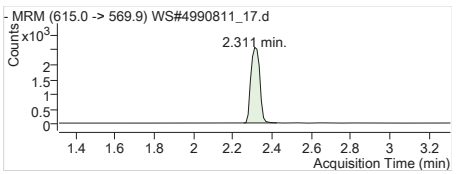


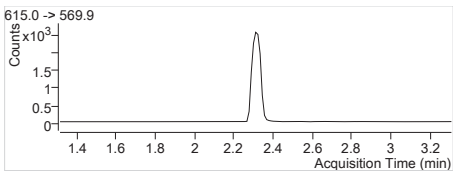
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 93.34 µg/Kg
Area ratio: 0.17493
Sample type: QC



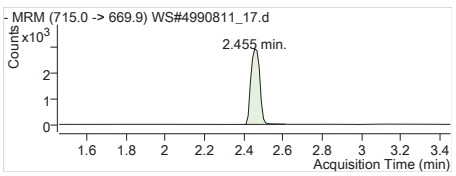


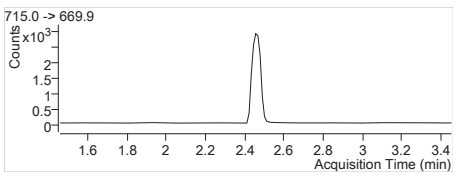
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 90.17 µg/Kg
Area ratio: 0.19493
Sample type: QC



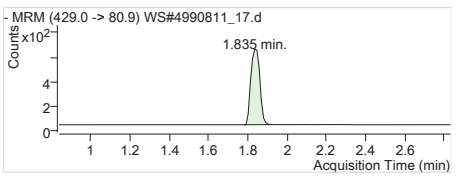


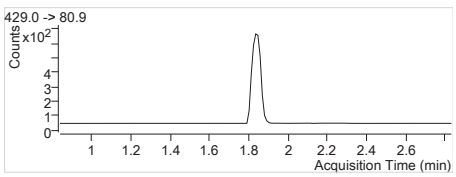
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 83.74 µg/Kg
Area ratio: 0.20757
Sample type: QC



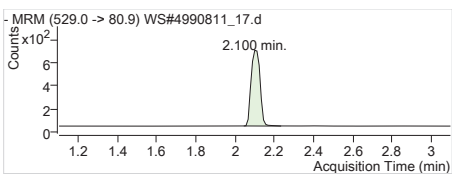


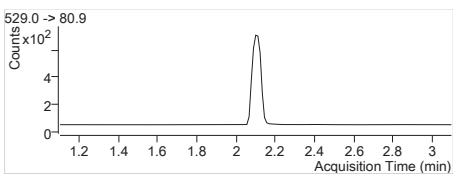
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 78.49 µg/Kg
Area ratio: 0.23912
Sample type: QC



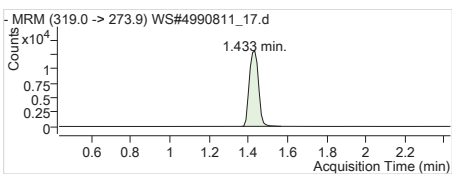


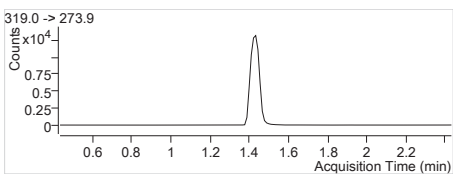
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 95.41 µg/Kg
Area ratio: 0.04658
Sample type: QC



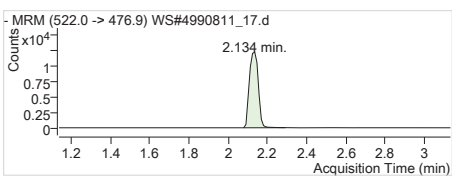


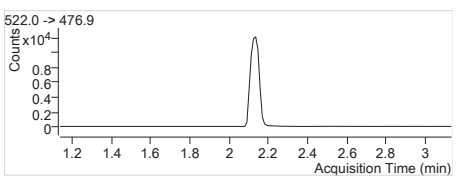
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 98.44 µg/Kg
Area ratio: 0.04957
Sample type: QC





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 140.00 µg/Kg
Area ratio: 0
Sample type: QC





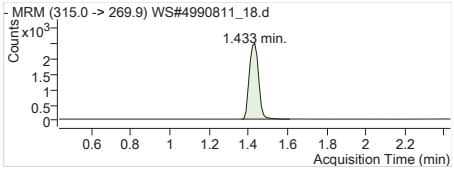
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.134 (2.134)
Calc. conc. 139.99 µg/Kg
Area ratio: 0
Sample type: QC

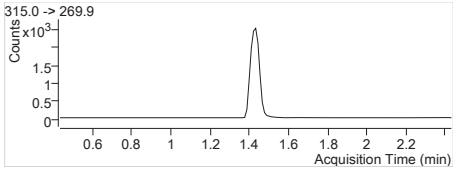
Batch Path	T:\lcms4\PFC\20170524\WS#4990811\QuantResults\PFC_Soil_170524_WS#4990811_CTLabs14

Sample Name	**4990811:SPIKE**	**Instrument**	LCMS04
Data File	WS#4990811_18.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P2-B4
Acq. Date	2017/05/24 9:41:07 PM	**Injection Volume**	Per Method
Sample Annotation	-		

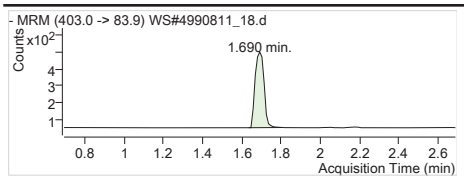
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8116	1.43	1 µg/Kg		
MPFHxS	1435	1.69	1 µg/Kg		
MPFHpA	8190	1.69	1 µg/Kg		
MPFOA	7844	1.88	1 µg/Kg		
MPFOS	1873	1.98	1 µg/Kg		
MPFNA	8179	2.01	1 µg/Kg		
MPFDA	6427	2.12	1 µg/Kg		
MPFUnA	7458	2.22	1 µg/Kg		
MPFDoA	7766	2.31	1 µg/Kg		
MPFTeDA	9107	2.46	1 µg/Kg		
M2 6:2 FTS	2049	1.83	1 µg/Kg		
M2 8:2 FTS	1872	2.10	1 µg/Kg		
13C6-PFHxA IS	44909	1.43	1 µg/Kg		
13C9-PFDA IS	41196	2.13	1 µg/Kg		

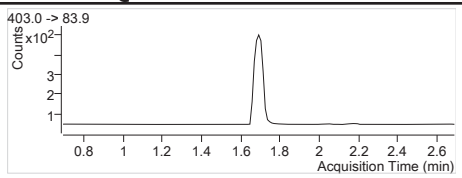
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	15991	1.10	18.80	23.22 µg/Kg	92.85
PFHxA 1	65005	1.43	18.80	22.86 µg/Kg	91.41
PFHxS 1	12802	1.69	18.80	22.99 µg/Kg	91.94
PFHpA 1	69777	1.69	18.80	23.29 µg/Kg	93.15
PFOA 1	67352	1.87	18.80	24.12 µg/Kg	96.45
PFOS 1	11837	1.98	18.80	21.41 µg/Kg	85.62
PFNA 1	59784	2.01	18.80	23.22 µg/Kg	92.88
PFDA 1	62580	2.13	18.80	24.29 µg/Kg	97.16
PFUnA 1	60534	2.22	18.80	21.90 µg/Kg	87.59
PFDoA 1	62183	2.31	18.80	23.73 µg/Kg	94.90
PFTrDA 1	67560	2.39	18.80	23.63 µg/Kg	94.51
PFTeDA 1	66282	2.46	18.80	24.08 µg/Kg	96.32
6:2-FTS 1	14663	1.83	18.80	21.88 µg/Kg	87.50
8:2-FTS 1	13153	2.10	18.80	24.35 µg/Kg	97.40
13C2-PFHxA	8116	1.43	100.00	93.84 µg/Kg	93.84
18O2-PFHxS	1435	1.69	100.00	89.53 µg/Kg	89.53
13C4-PFHpA	8190	1.69	100.00	86.80 µg/Kg	86.80
13C4-PFOA	7844	1.88	100.00	86.18 µg/Kg	86.18
13C4-PFOS	1873	1.98	100.00	95.06 µg/Kg	95.06
13C5-PFNA	8179	2.01	100.00	88.91 µg/Kg	88.91
13C2-PFDA	6427	2.12	100.00	83.24 µg/Kg	83.24
13C2-PFUnA	7458	2.22	100.00	83.74 µg/Kg	83.74
13C2-PFDoA	7766	2.31	100.00	76.05 µg/Kg	76.05
13C2-PFTeDA	9107	2.46	100.00	72.56 µg/Kg	72.56
13C2-6:2-FTS	2049	1.83	100.00	93.45 µg/Kg	93.45
13C2-8:2 FTS	1872	2.10	100.00	82.78 µg/Kg	82.78
13C6-PFHxA	44909	1.43	100.00	148.06 µg/Kg	111.32
13C9-PFDA	41196	2.13	100.00	150.35 µg/Kg	113.04



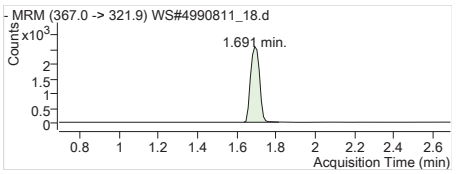


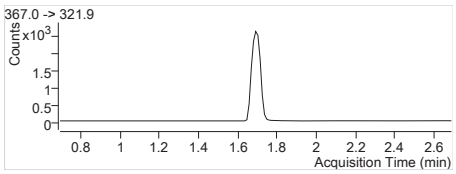
MPFHxA	Internal Standard
RT (Exp. RT):	1.433 (1.433)
Concentration:	1 µg/Kg
Sample type:	QC



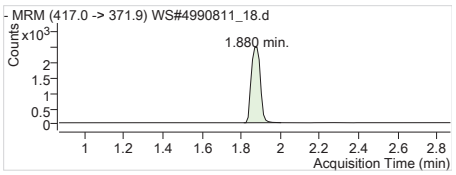


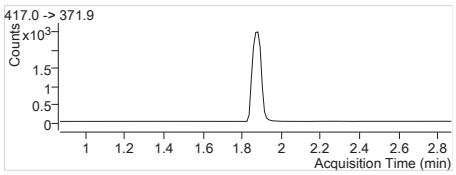
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.690)
Concentration: 1 µg/Kg
Sample type: QC



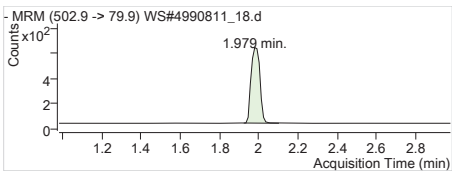


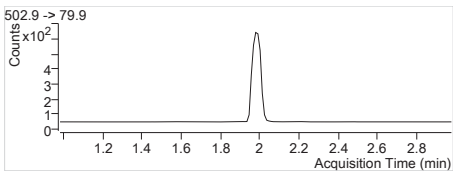
MPFHpA Internal Standard
RT (Exp. RT): 1.691 (1.691)
Concentration: 1 µg/Kg
Sample type: QC



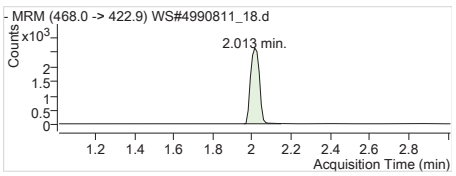


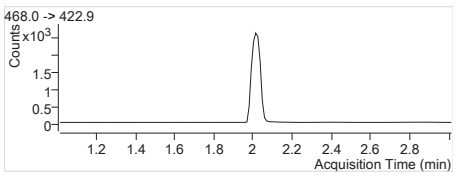
MPFOA Internal Standard
RT (Exp. RT): 1.880 (1.869)
Concentration: 1 µg/Kg
Sample type: QC



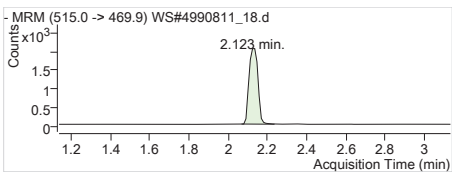


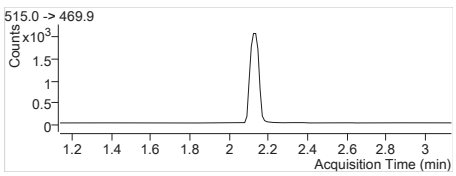
MPFOS Internal Standard
RT (Exp. RT): 1.979 (1.979)
Concentration: 1 µg/Kg
Sample type: QC



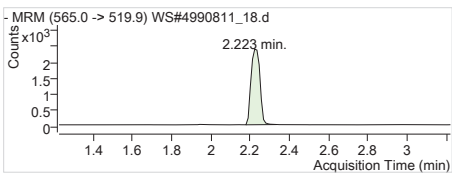


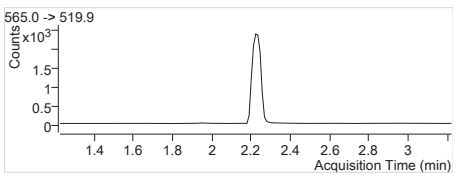
MPFNA Internal Standard
RT (Exp. RT): 2.013 (2.013)
Concentration: 1 µg/Kg
Sample type: QC



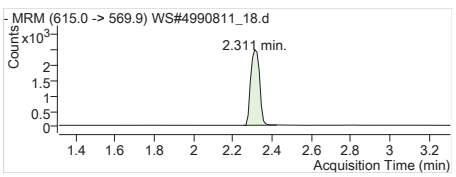


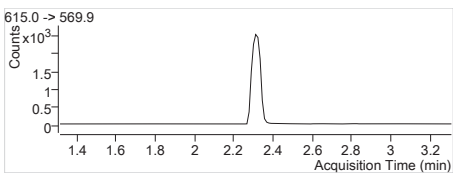
MPFDA Internal Standard
RT (Exp. RT): 2.123 (2.135)
Concentration: 1 µg/Kg
Sample type: QC



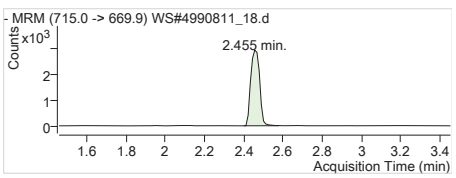


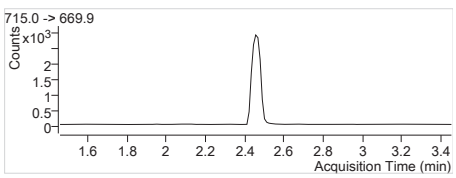
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: QC



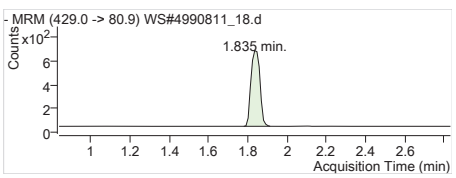


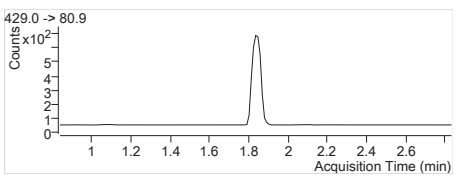
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: QC



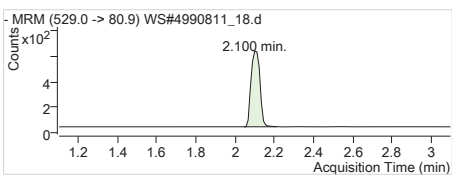


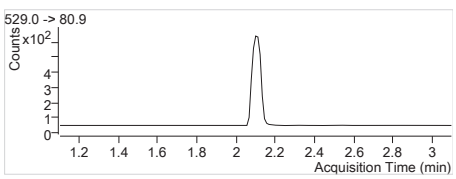
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: QC



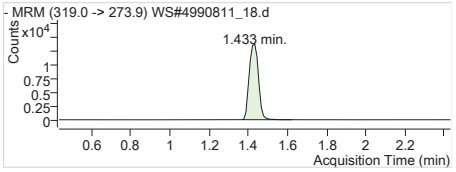


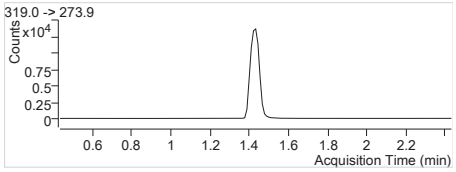
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: QC



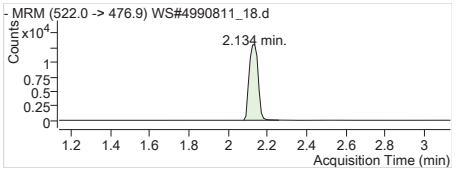


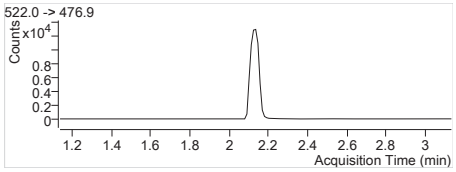
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: QC



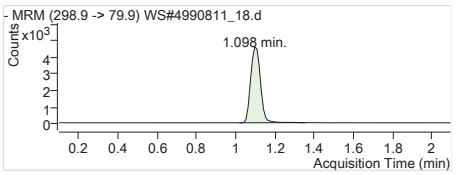


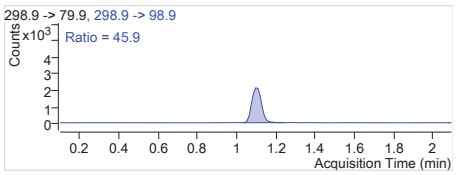
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.433 (1.433)
Concentration: 1 µg/Kg
Sample type: QC



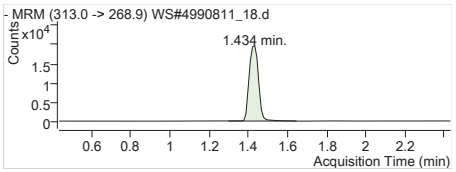


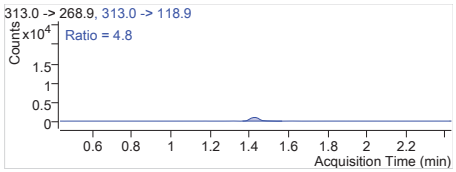
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.134 (2.134)
Concentration: 1 µg/Kg
Sample type: QC



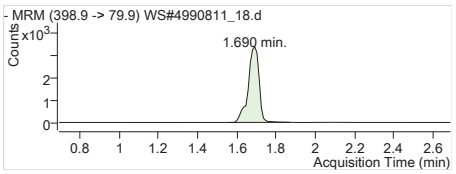


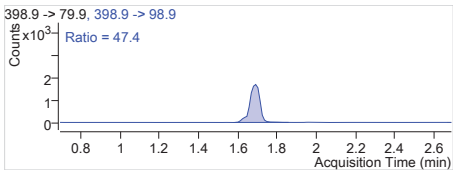
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.098)
Calc. conc. 23.22 µg/Kg
Area ratio: 11.14355
Sample type: QC



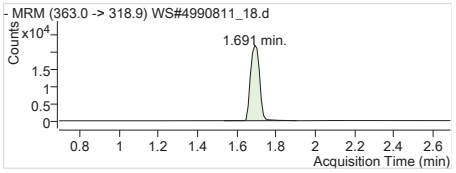


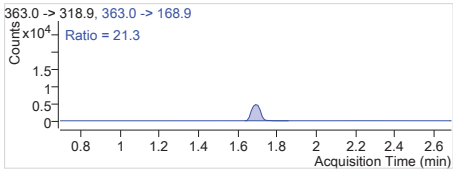
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.434 (1.434)
Calc. conc. 22.86 µg/Kg
Area ratio: 8.00949
Sample type: QC



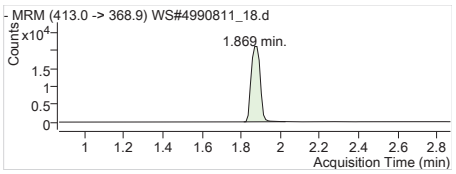


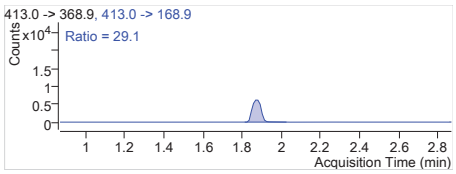
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 22.99 µg/Kg
Area ratio: 8.92125
Sample type: QC



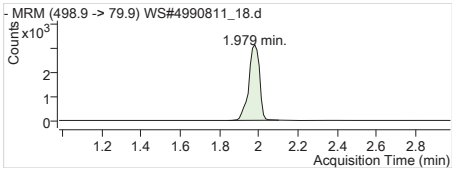


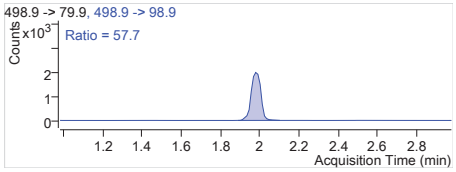
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 23.29 µg/Kg
Area ratio: 8.51978
Sample type: QC



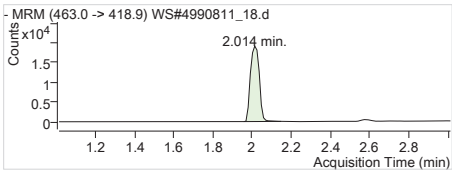


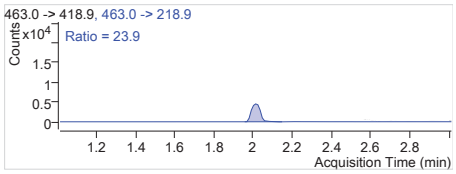
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 24.12 µg/Kg
Area ratio: 8.58644
Sample type: QC



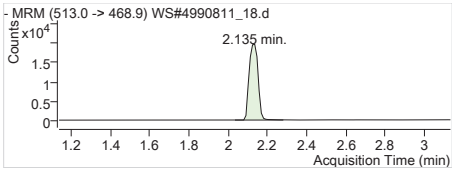


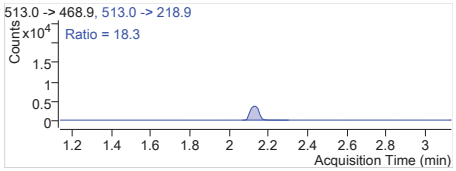
PFOS 1 498.9 -> 79.9
RT (Exp. RT): 1.979 (1.979)
Calc. conc. 21.41 µg/Kg
Area ratio: 6.31981
Sample type: QC



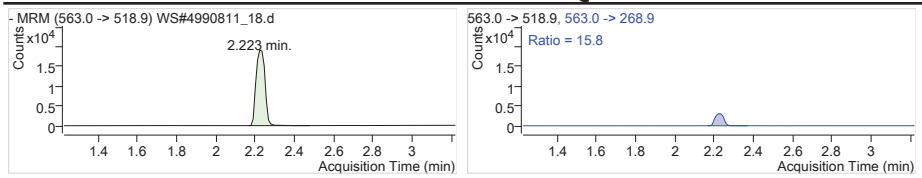


PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 23.22 µg/Kg
Area ratio: 7.30945
Sample type: QC

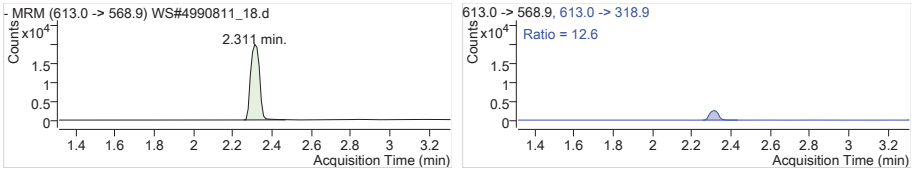




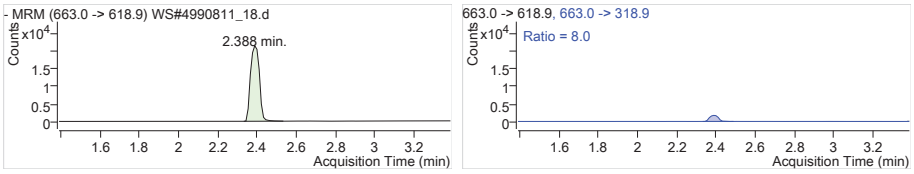
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.135 (2.135)
Calc. conc. 24.29 µg/Kg
Area ratio: 9.73705
Sample type: QC



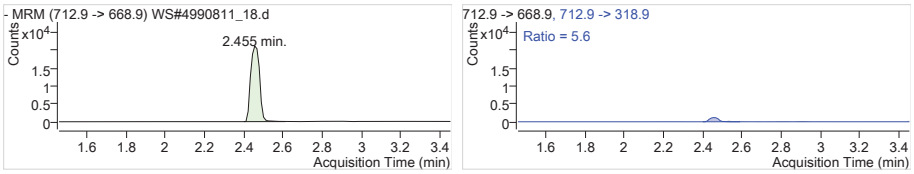
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 21.90 µg/Kg
Area ratio: 8.11665
Sample type: QC



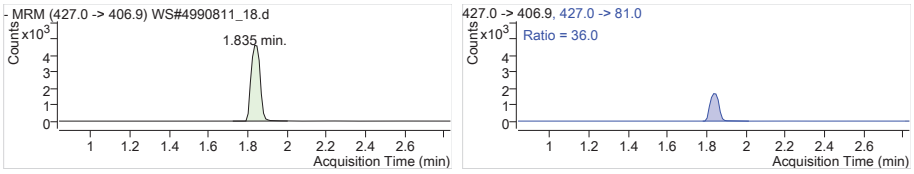
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 23.73 µg/Kg
Area ratio: 8.00708
Sample type: QC



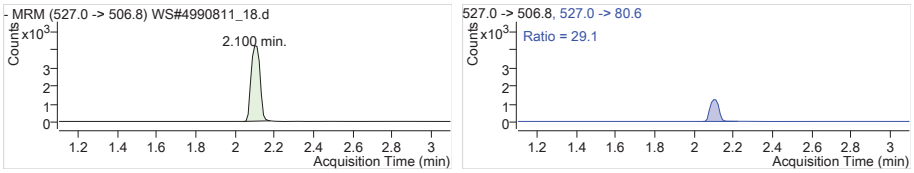
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.388 (2.388)
Calc. conc. 23.63 µg/Kg
Area ratio: 7.41847
Sample type: QC



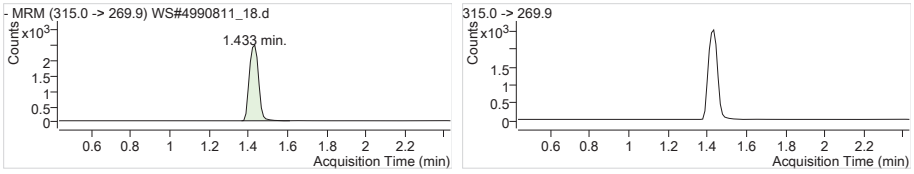
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 24.08 µg/Kg
Area ratio: 7.27814
Sample type: QC



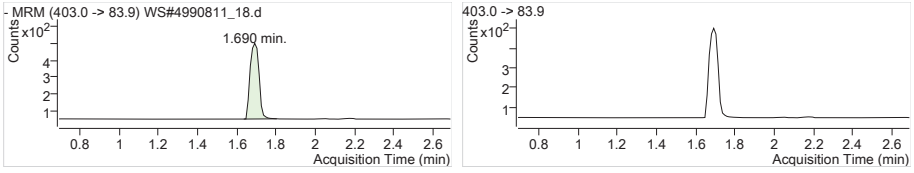
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 21.88 µg/Kg
Area ratio: 7.15617
Sample type: QC



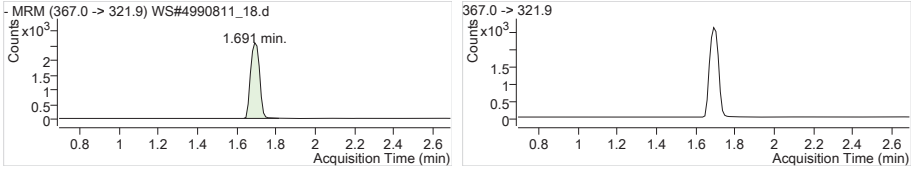
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 24.35 µg/Kg
Area ratio: 7.02618
Sample type: QC



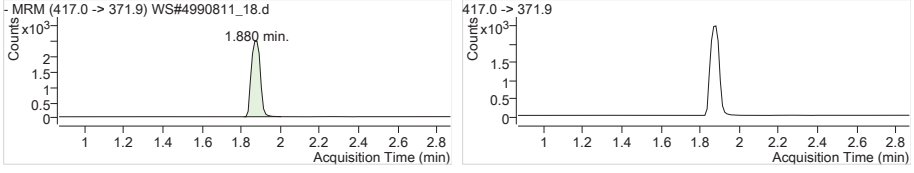
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.433 (1.433)
Calc. conc. 93.84 µg/Kg
Area ratio: 0.18072
Sample type: QC



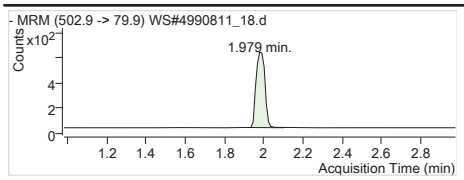
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.690)
Calc. conc. 89.53 µg/Kg
Area ratio: 0.03195
Sample type: QC

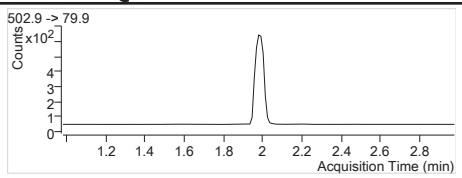


13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.691 (1.691)
Calc. conc. 86.80 µg/Kg
Area ratio: 0.18237
Sample type: QC

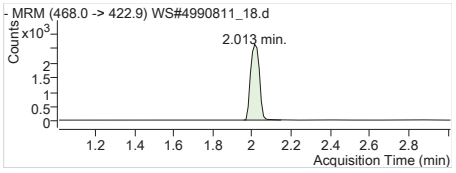


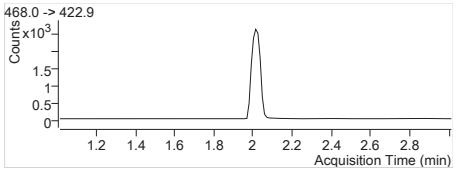
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.880 (1.869)
Calc. conc. 86.18 µg/Kg
Area ratio: 0.17466
Sample type: QC



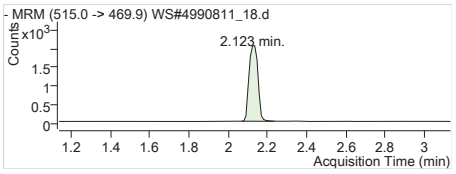


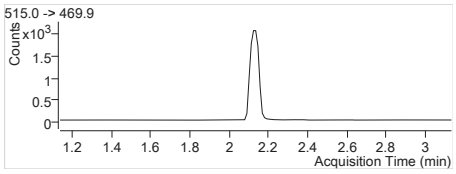
13C4-PFOS	502.9 -> 79.9
RT (Exp. RT):	1.979 (1.979)
Calc. conc.	95.06 µg/Kg
Area ratio:	0.04171
Sample type:	QC



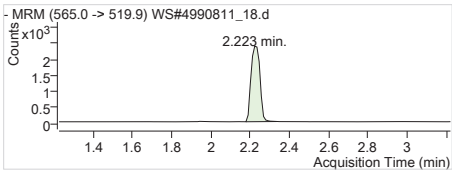


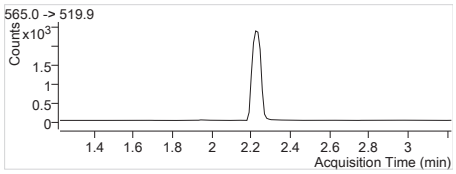
13C5-PFNA	468.0 -> 422.9
RT (Exp. RT):	2.013 (2.013)
Calc. conc.	88.91 µg/Kg
Area ratio:	0.18212
Sample type:	QC



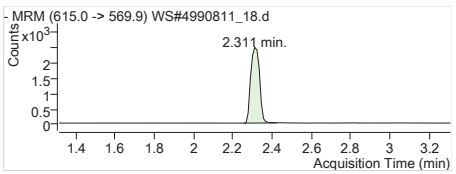


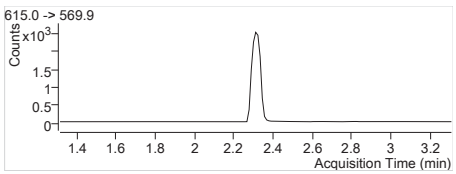
13C2-PFDA	515.0 -> 469.9
RT (Exp. RT):	2.123 (2.135)
Calc. conc.	83.24 µg/Kg
Area ratio:	0.15601
Sample type:	QC



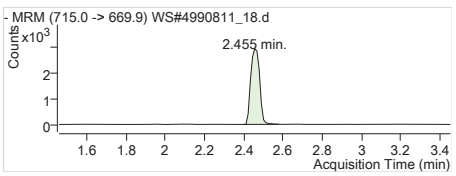


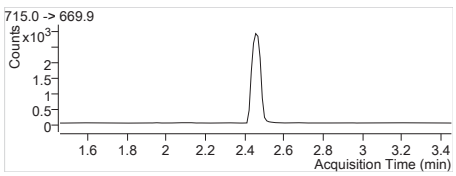
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	83.74 µg/Kg
Area ratio:	0.18104
Sample type:	QC



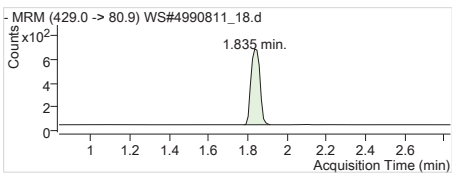


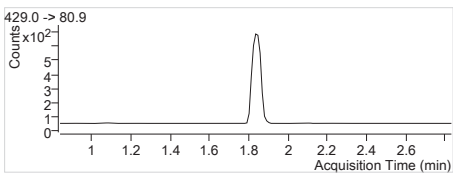
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	76.05 µg/Kg
Area ratio:	0.18851
Sample type:	QC



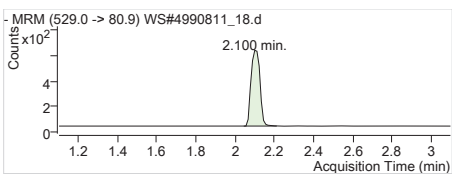


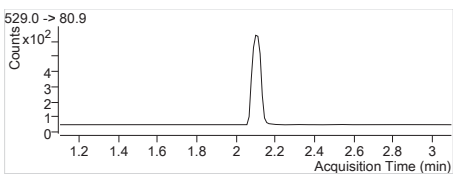
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	72.56 µg/Kg
Area ratio:	0.22107
Sample type:	QC



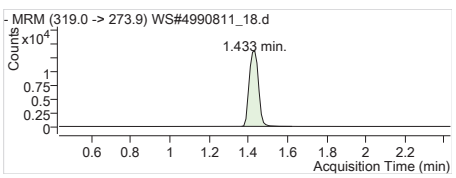


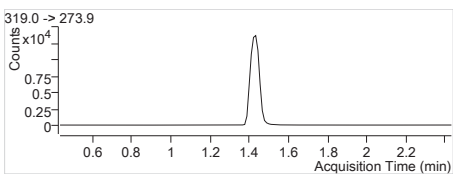
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	93.45 µg/Kg
Area ratio:	0.04563
Sample type:	QC



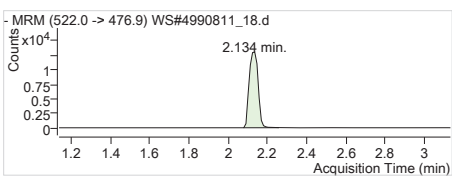


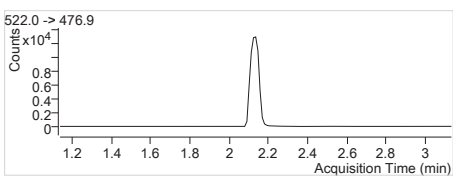
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	82.78 µg/Kg
Area ratio:	0.04168
Sample type:	QC





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.433 (1.433)
Calc. conc.	148.06 µg/Kg
Area ratio:	0
Sample type:	QC





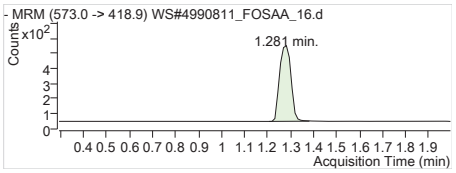
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.134 (2.134)
Calc. conc.	150.35 µg/Kg
Area ratio:	0
Sample type:	QC

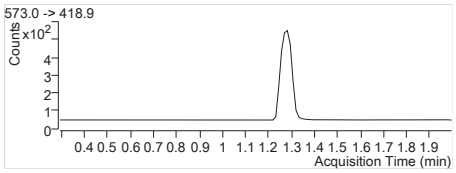
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_16.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-A8
Acq. Date	2017/05/25 1:47:32 AM	**Injection Volume**	Per Method
Sample Annotation	-		

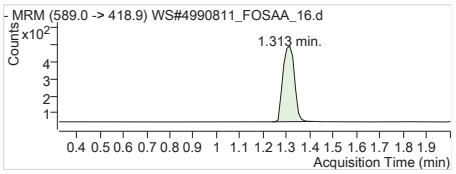
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1736	1.28	1 µg/Kg		
D5-EtFOSAA IS	1530	1.31	1 µg/Kg		
13C9-PFDA IS	31394	0.85	1 µg/Kg		

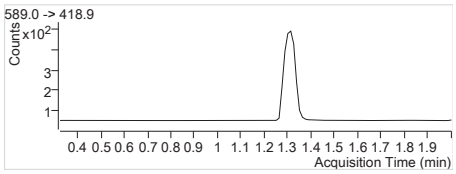
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1734	1.28	-	102.18 µg/Kg	-
D5-EtFOSAA	1544	1.31	-	101.75 µg/Kg	-
13C9-PFDA	32061	0.85	-	102.39 µg/Kg	-



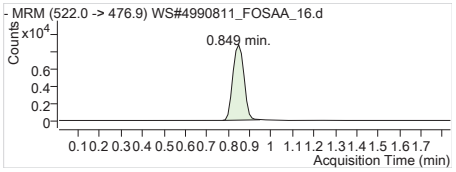


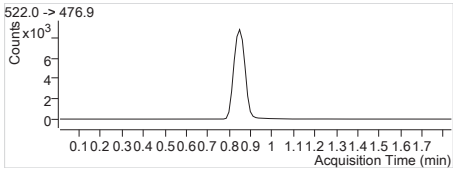
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



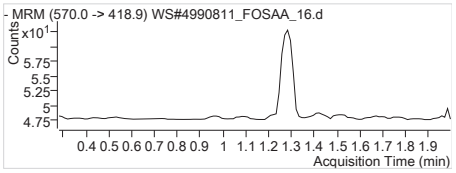


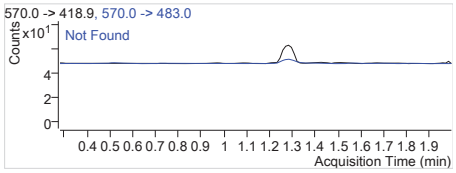
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



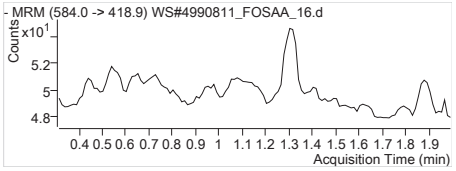


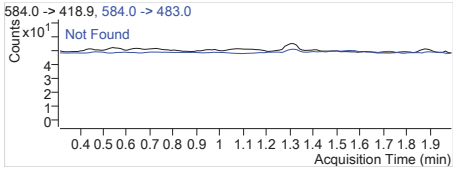
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



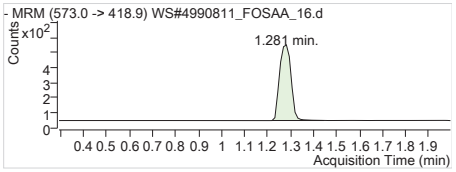


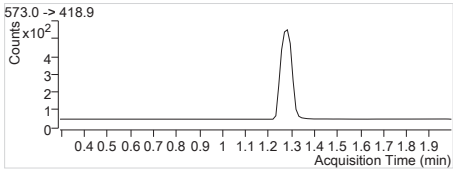
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



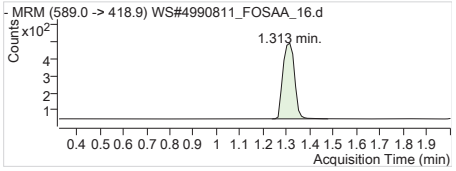


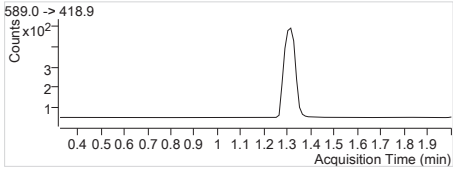
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



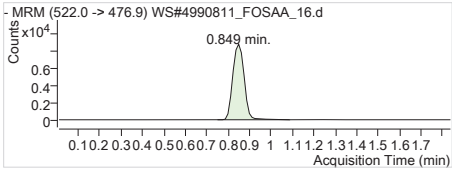


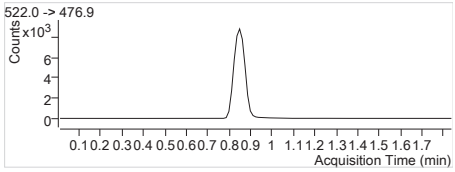
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 102.18 µg/Kg
Area ratio: 0.05524
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 101.75 µg/Kg
Area ratio: 0.04919
Sample type: Sample





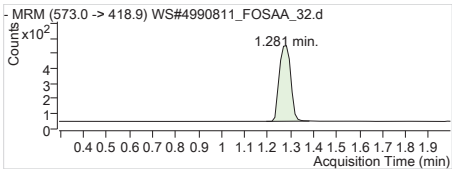
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	102.39 µg/Kg
Area ratio:	0
Sample type:	Sample

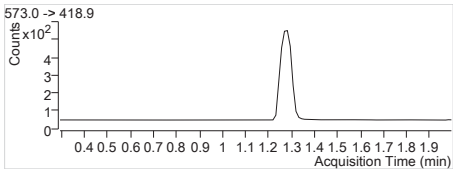
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_32.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-A8
Acq. Date	2017/05/25 2:25:43 AM	**Injection Volume**	Per Method
Sample Annotation	-		

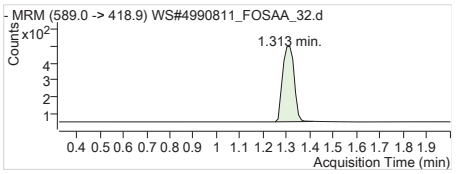
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1743	1.28	1 µg/Kg		
D5-EtFOSAA IS	1562	1.31	1 µg/Kg		
13C9-PFDA IS	31370	0.85	1 µg/Kg		

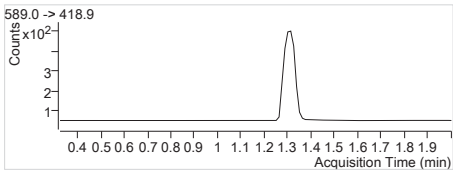
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1759	1.28	-	103.72 µg/Kg	-
D5-EtFOSAA	1580	1.31	-	104.17 µg/Kg	-
13C9-PFDA	32011	0.85	-	135.97 µg/Kg	-



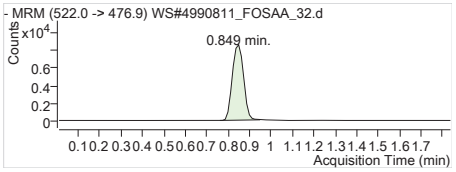


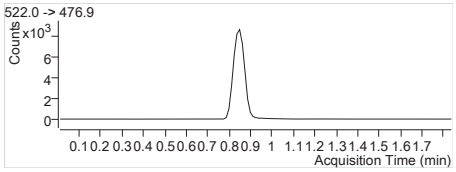
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



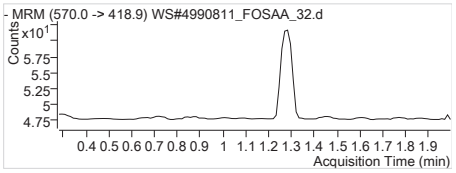


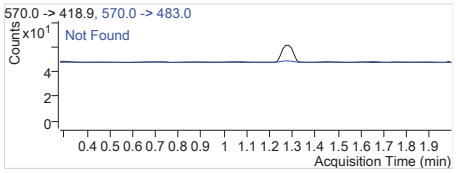
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



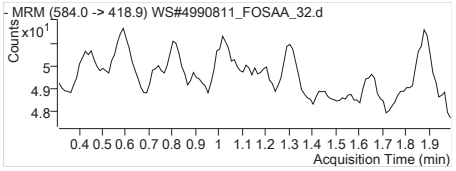


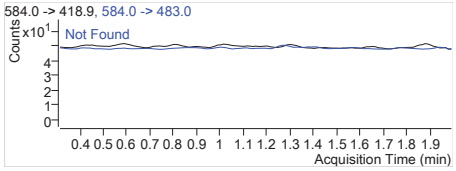
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



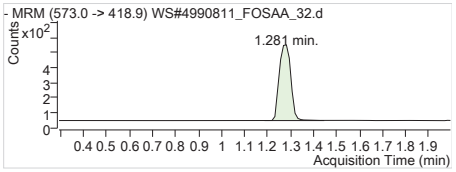


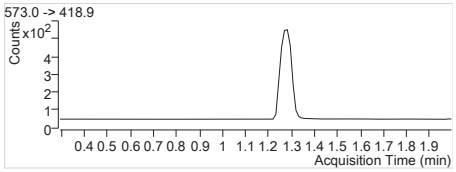
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



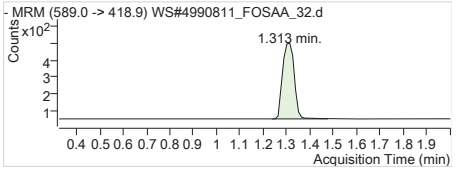


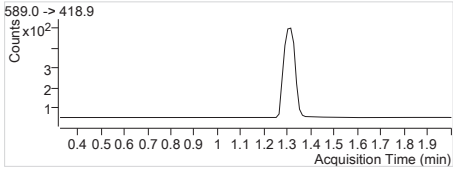
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



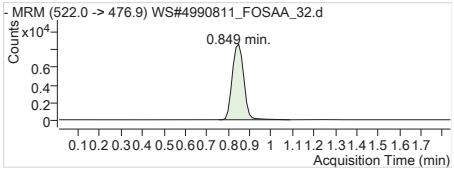


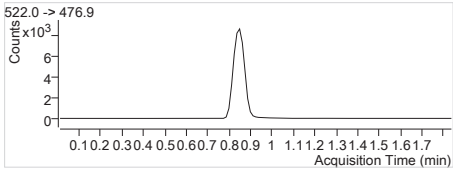
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 103.72 µg/Kg
Area ratio: 0.05607
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 104.17 µg/Kg
Area ratio: 0.05036
Sample type: Sample





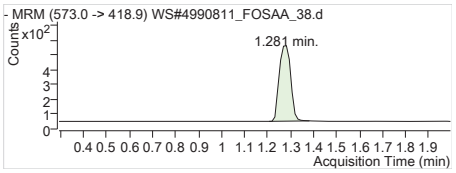
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	135.97 µg/Kg
Area ratio:	0
Sample type:	Sample

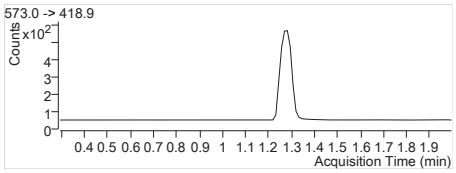
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_38.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-A8
Acq. Date	2017/05/25 2:40:03 AM	**Injection Volume**	Per Method
Sample Annotation	-		

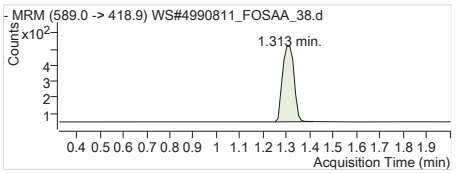
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1787	1.28	1 µg/Kg		
D5-EtFOSAA IS	1619	1.31	1 µg/Kg		
13C9-PFDA IS	32019	0.85	1 µg/Kg		

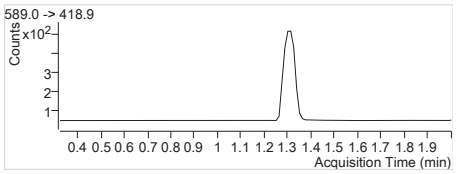
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1808	1.28	-	104.46 µg/Kg	-
D5-EtFOSAA	1625	1.31	-	104.96 µg/Kg	-
13C9-PFDA	32489	0.85	-	137.99 µg/Kg	-



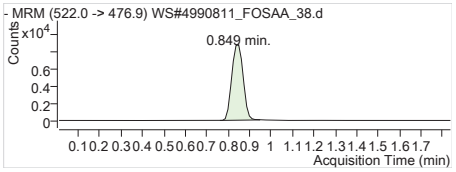


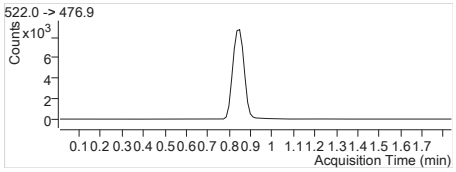
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



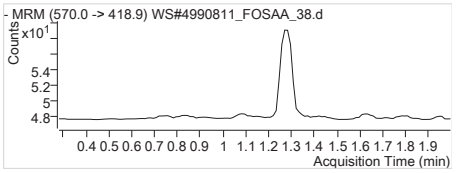


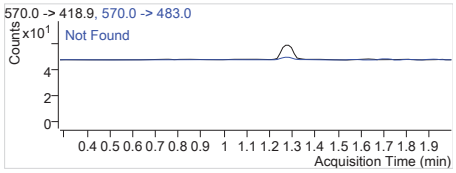
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



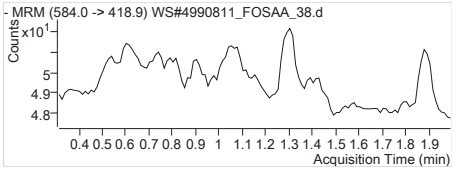


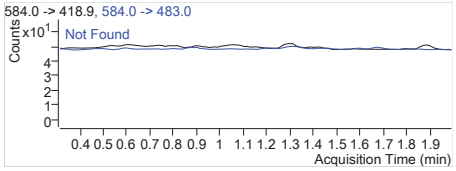
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



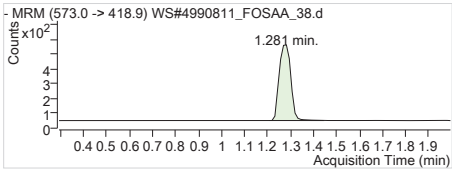


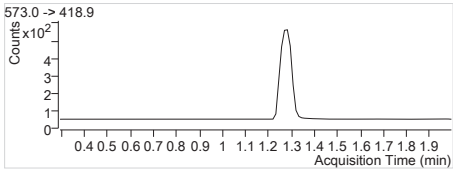
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



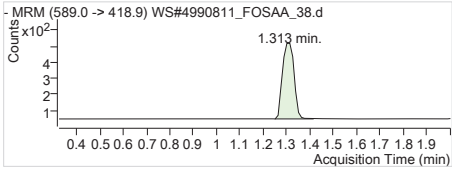


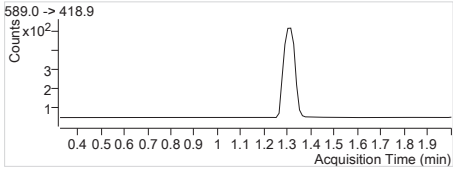
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



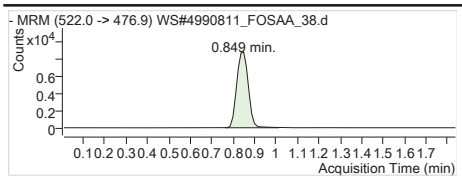


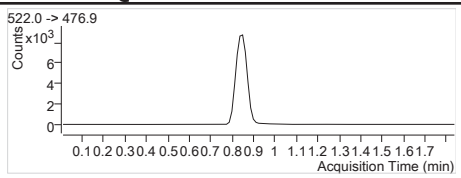
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 104.46 µg/Kg
Area ratio: 0.05647
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 104.96 µg/Kg
Area ratio: 0.05074
Sample type: Sample





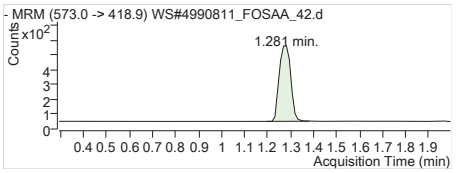
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	137.99 µg/Kg
Area ratio:	0
Sample type:	Sample

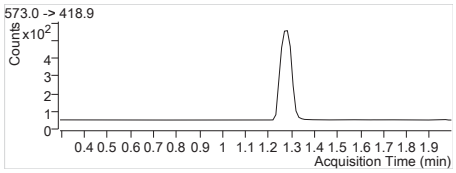
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_42.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-A8
Acq. Date	2017/05/25 2:49:35 AM	**Injection Volume**	Per Method
Sample Annotation	-		

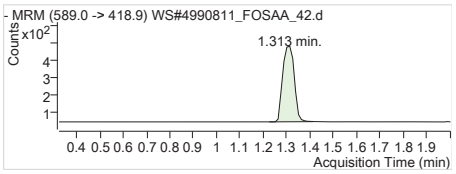
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1789	1.28	1 µg/Kg		
D5-EtFOSAA IS	1511	1.31	1 µg/Kg		
13C9-PFDA IS	31994	0.85	1 µg/Kg		

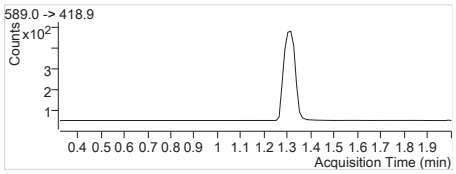
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1776	1.28	-	102.68 µg/Kg	-
D5-EtFOSAA	1519	1.31	-	98.22 µg/Kg	-
13C9-PFDA	32523	0.85	-	138.14 µg/Kg	-



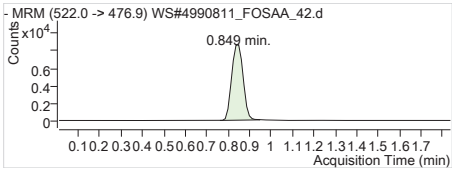


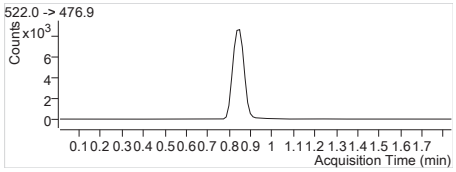
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



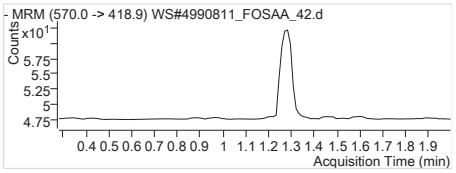


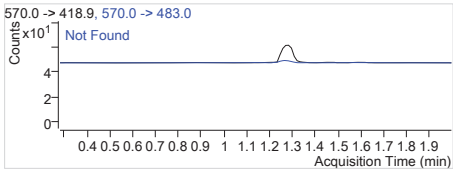
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



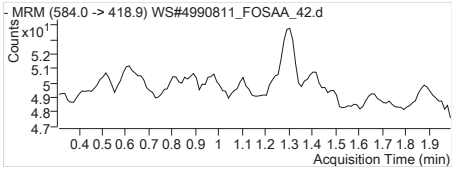


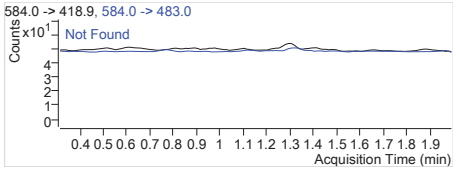
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



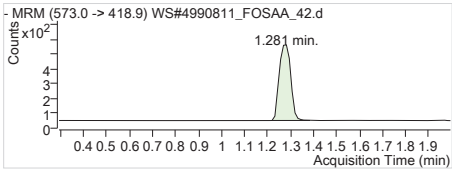


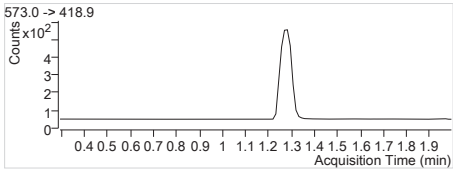
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



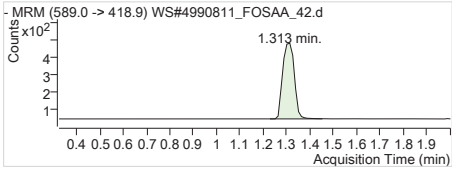


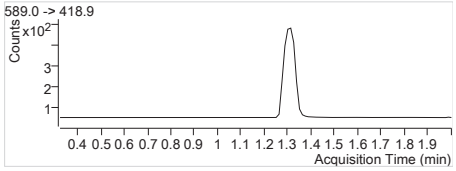
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



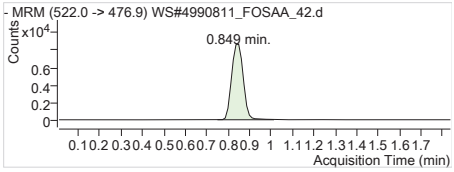


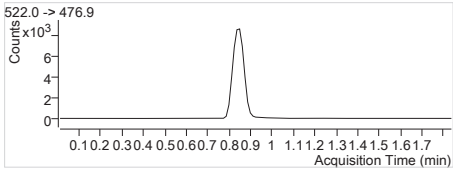
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 102.68 µg/Kg
Area ratio: 0.05551
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 98.22 µg/Kg
Area ratio: 0.04748
Sample type: Sample





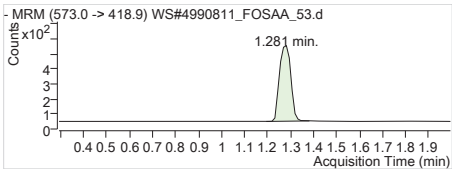
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	138.14 µg/Kg
Area ratio:	0
Sample type:	Sample

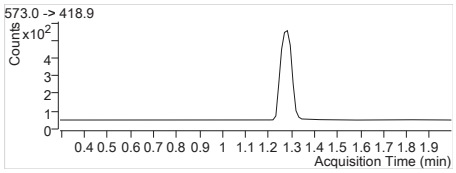
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_53.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-A8
Acq. Date	2017/05/25 3:15:51 AM	**Injection Volume**	Per Method
Sample Annotation	-		

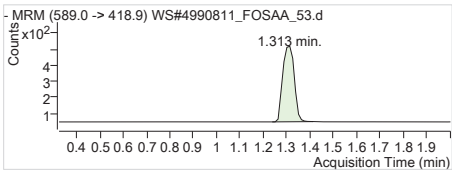
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1750	1.28	1 µg/Kg		
D5-EtFOSAA IS	1620	1.31	1 µg/Kg		
13C9-PFDA IS	31378	0.85	1 µg/Kg		

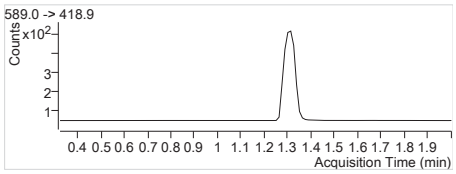
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1770	1.28	-	104.36 µg/Kg	-
D5-EtFOSAA	1634	1.31	-	107.70 µg/Kg	-
13C9-PFDA	32042	0.85	-	136.09 µg/Kg	-



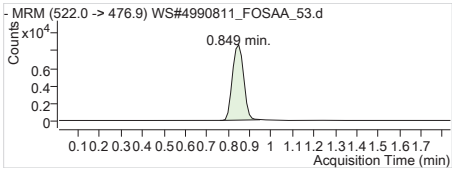


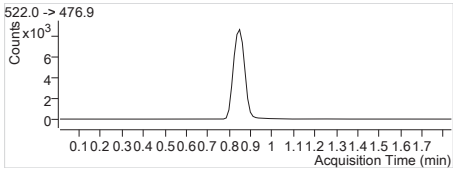
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



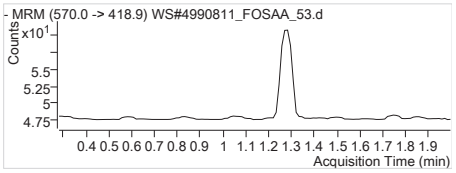


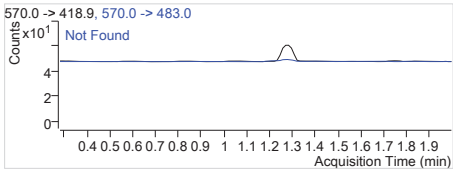
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



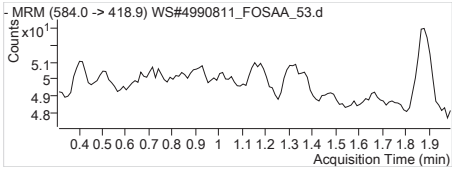


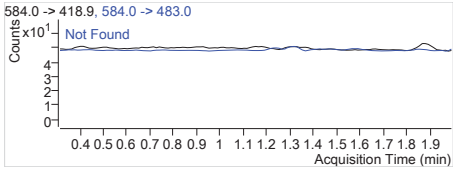
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



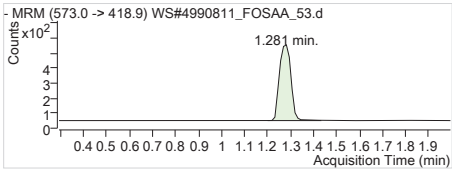


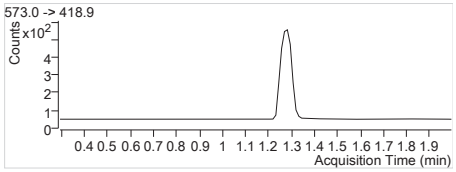
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



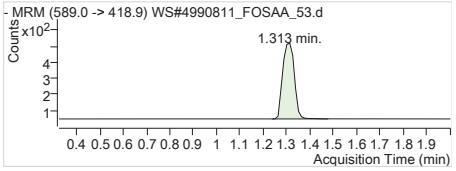


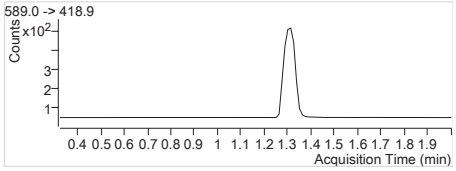
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



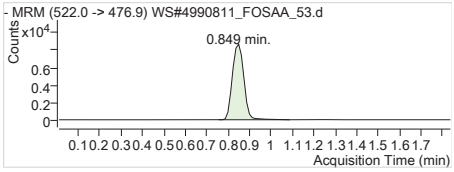


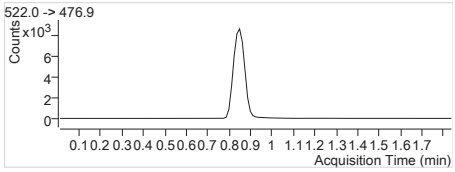
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 104.36 µg/Kg
Area ratio: 0.05641
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 107.70 µg/Kg
Area ratio: 0.05207
Sample type: Sample





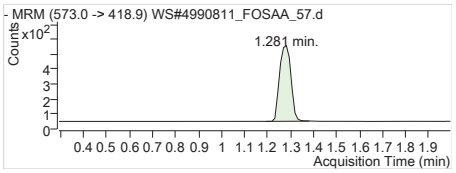
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	136.09 µg/Kg
Area ratio:	0
Sample type:	Sample

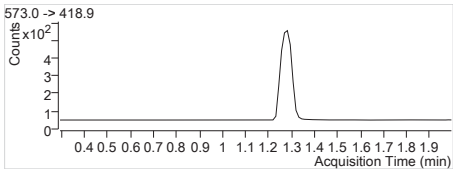
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_57.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-A8
Acq. Date	2017/05/25 3:25:27 AM	**Injection Volume**	Per Method
Sample Annotation	-		

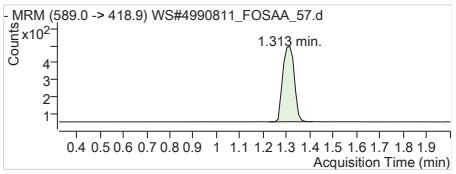
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1759	1.28	1 µg/Kg		
D5-EtFOSAA IS	1544	1.31	1 µg/Kg		
13C9-PFDA IS	31370	0.85	1 µg/Kg		

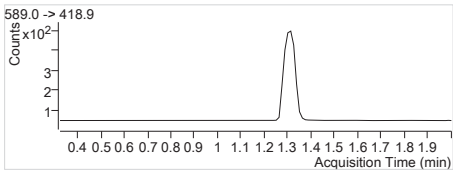
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1772	1.28	-	104.48 µg/Kg	-
D5-EtFOSAA	1553	1.31	-	102.41 µg/Kg	-
13C9-PFDA	32035	0.85	-	136.07 µg/Kg	-



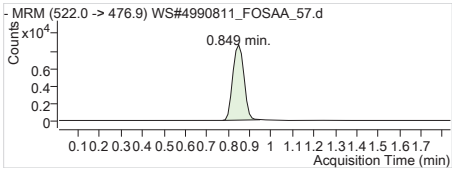


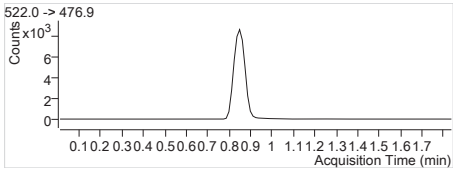
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



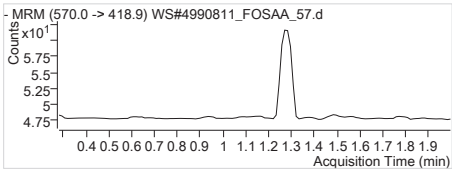


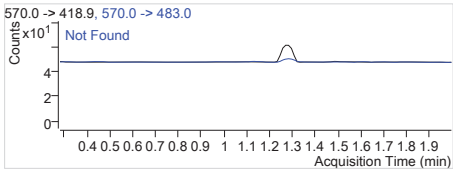
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



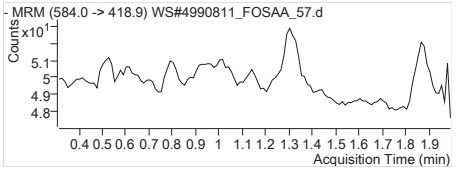


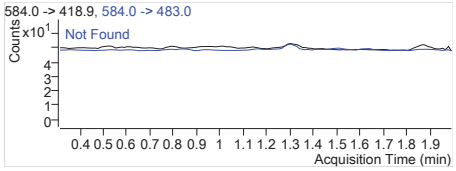
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



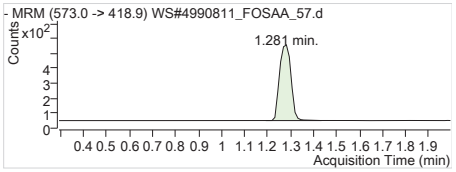


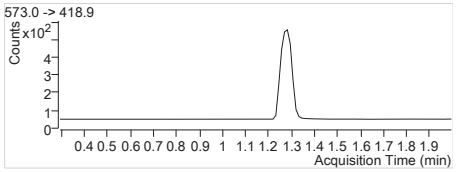
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



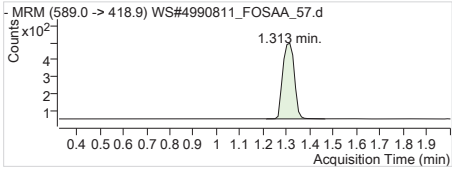


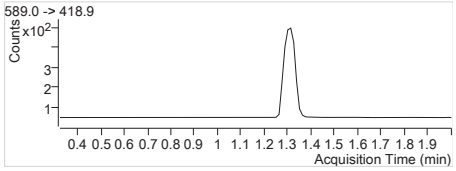
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



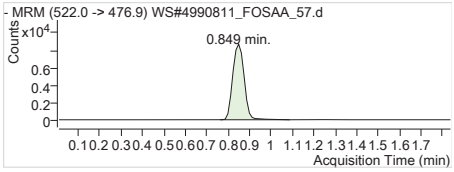


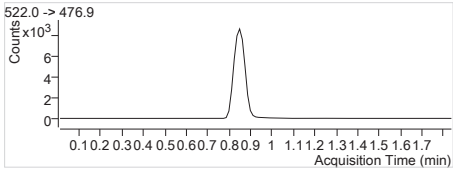
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 104.48 µg/Kg
Area ratio: 0.05648
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 102.41 µg/Kg
Area ratio: 0.04951
Sample type: Sample





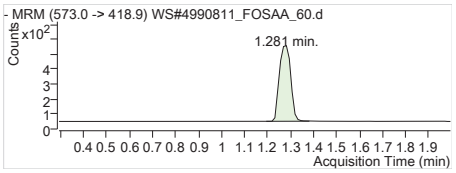
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	136.07 µg/Kg
Area ratio:	0
Sample type:	Sample

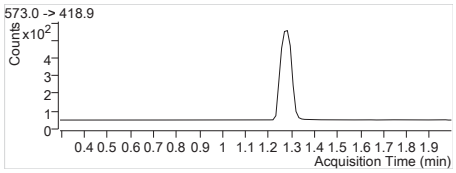
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_60.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-A8
Acq. Date	2017/05/25 3:32:34 AM	**Injection Volume**	Per Method
Sample Annotation	-		

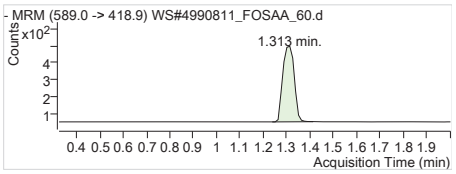
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1754	1.28	1 µg/Kg		
D5-EtFOSAA IS	1542	1.31	1 µg/Kg		
13C9-PFDA IS	31901	0.85	1 µg/Kg		

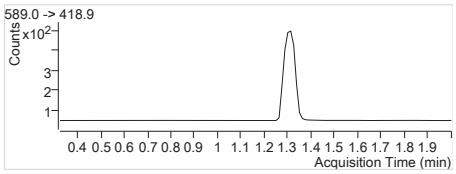
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1758	1.28	-	101.96 µg/Kg	-
D5-EtFOSAA	1549	1.31	-	100.45 µg/Kg	-
13C9-PFDA	32563	0.85	-	138.31 µg/Kg	-



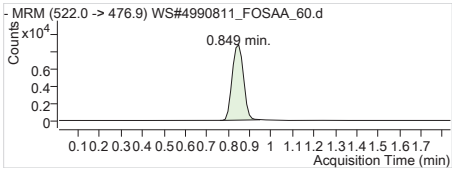


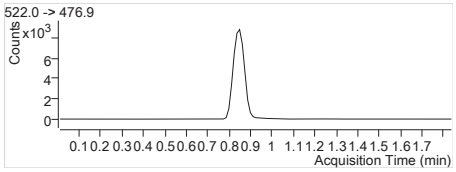
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



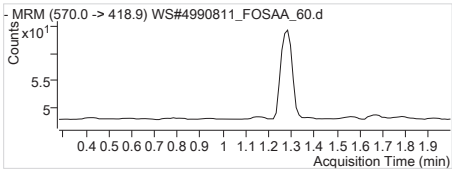


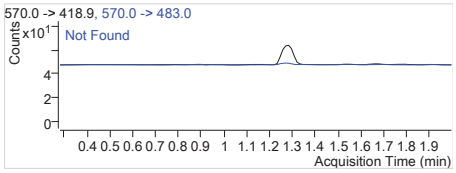
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



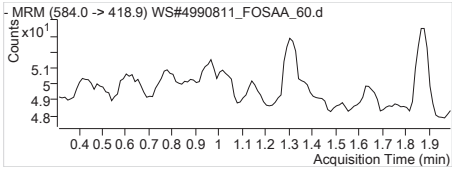


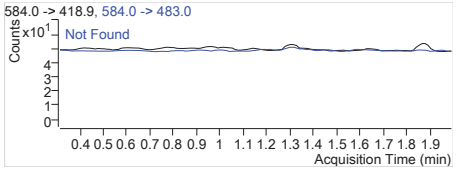
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



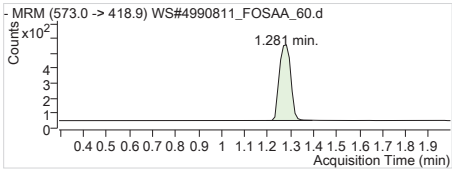


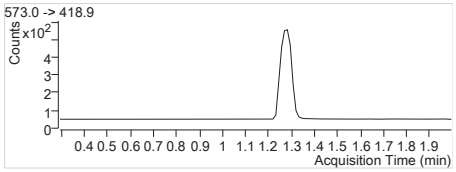
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



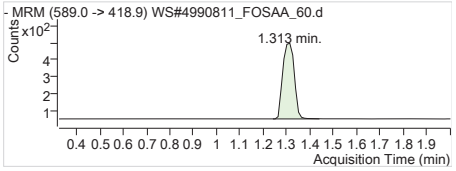


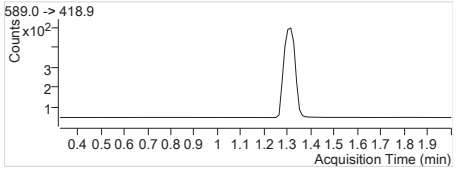
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



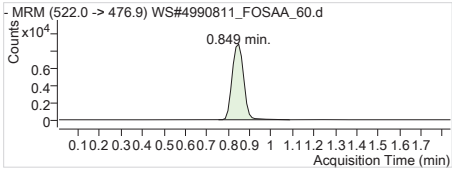


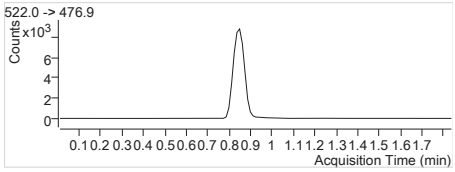
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 101.96 µg/Kg
Area ratio: 0.05512
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 100.45 µg/Kg
Area ratio: 0.04856
Sample type: Sample





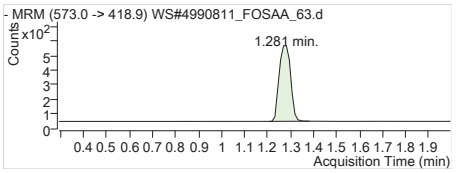
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	138.31 µg/Kg
Area ratio:	0
Sample type:	Sample

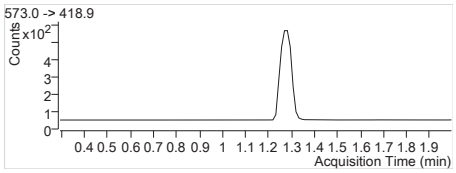
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**IB1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_63.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-A8
Acq. Date	2017/05/25 3:39:45 AM	**Injection Volume**	Per Method
Sample Annotation	-		

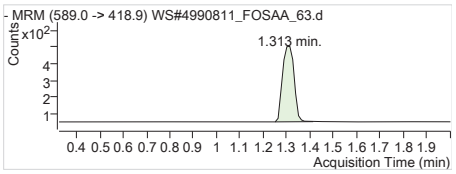
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1806	1.28	1 µg/Kg		
D5-EtFOSAA IS	1579	1.31	1 µg/Kg		
13C9-PFDA IS	31503	0.85	1 µg/Kg		

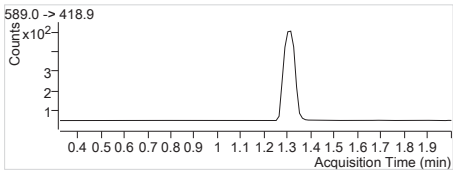
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1791	1.28	-	105.15 µg/Kg	-
D5-EtFOSAA	1580	1.31	-	103.74 µg/Kg	-
13C9-PFDA	32105	0.85	-	136.36 µg/Kg	-



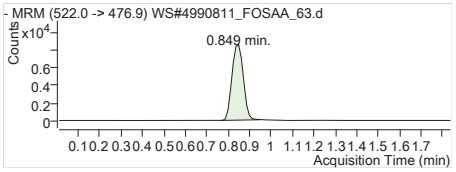


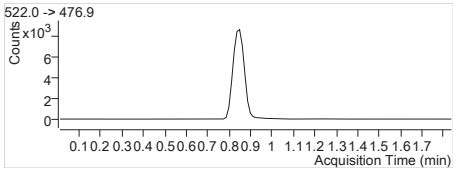
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



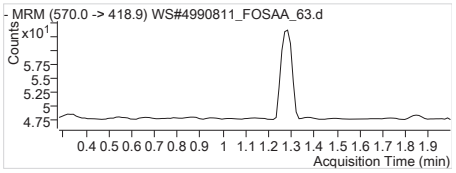


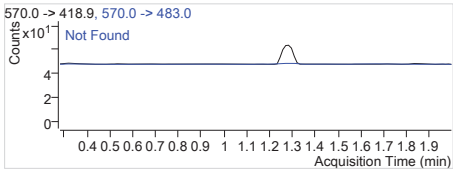
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



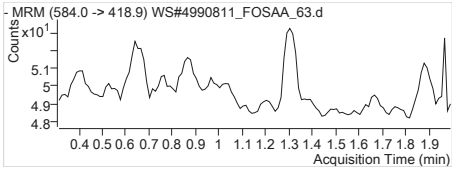


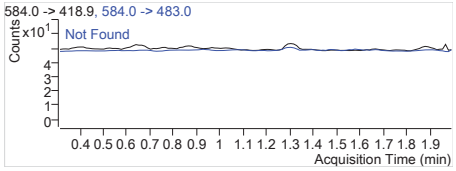
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



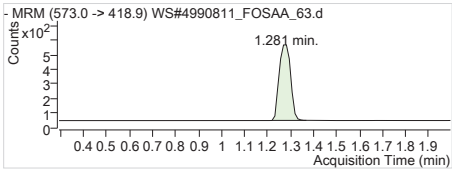


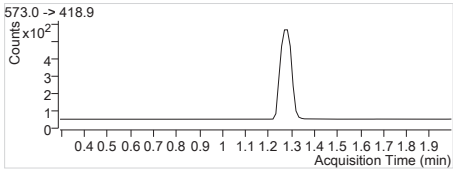
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



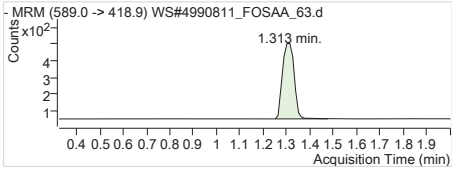


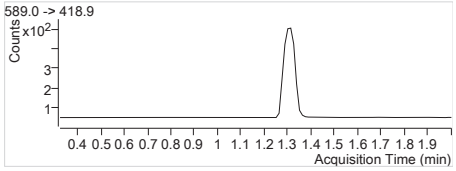
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



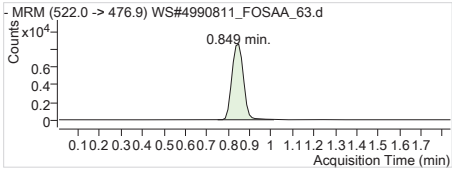


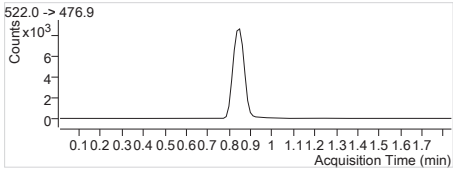
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 105.15 µg/Kg
Area ratio: 0.05684
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 103.74 µg/Kg
Area ratio: 0.05015
Sample type: Sample





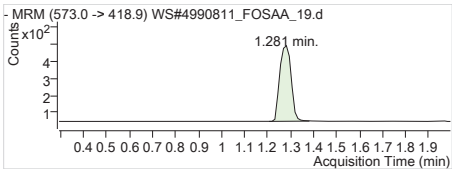
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	136.36 µg/Kg
Area ratio:	0
Sample type:	Sample

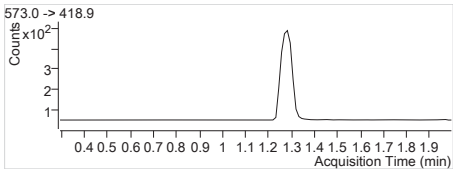
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:BLANK**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_19.d	**Operator**	AD
Sample Type	Blank	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B1
Acq. Date	2017/05/25 1:54:45 AM	**Injection Volume**	Per Method
Sample Annotation	-		

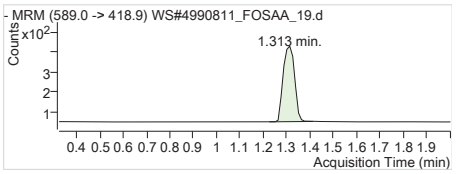
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1527	1.28	1 µg/Kg		
D5-EtFOSAA IS	1302	1.31	1 µg/Kg		
13C9-PFDA IS	36077	0.85	1 µg/Kg		

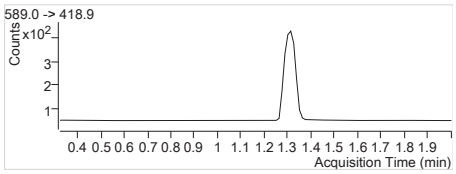
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1536	1.28	-	78.74 µg/Kg	-
D5-EtFOSAA	1320	1.31	-	75.66 µg/Kg	-
13C9-PFDA	36864	0.85	-	117.73 µg/Kg	-



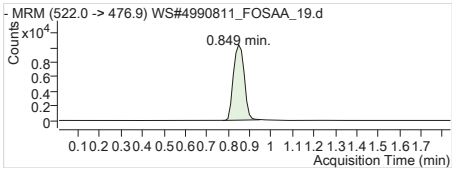


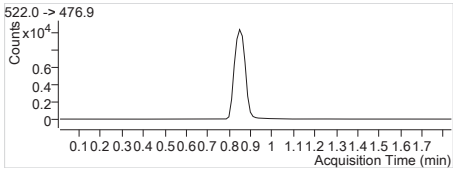
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Blank



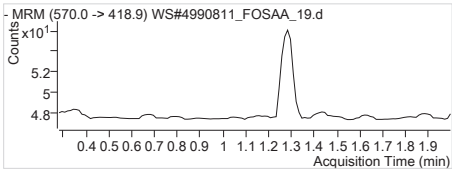


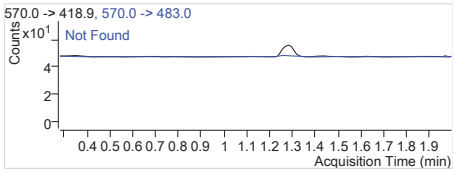
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Blank



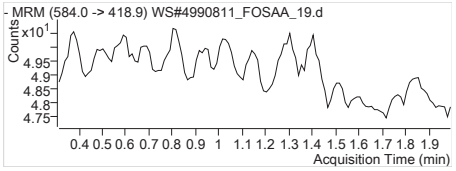


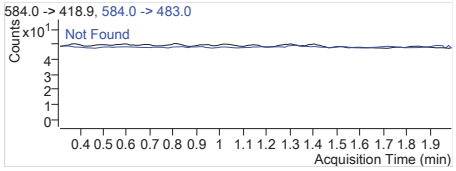
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Blank



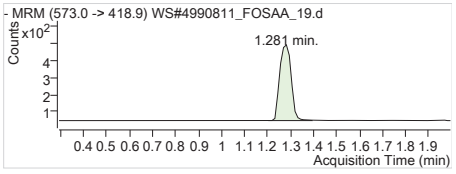


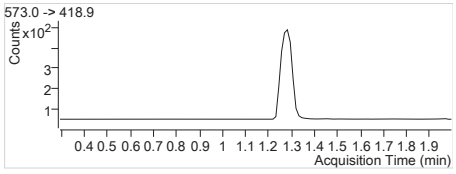
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



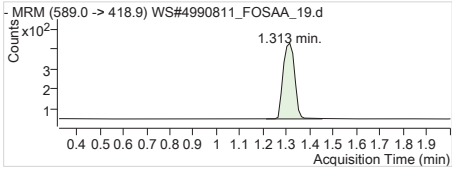


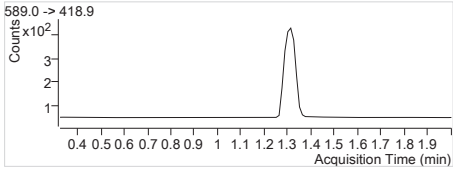
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



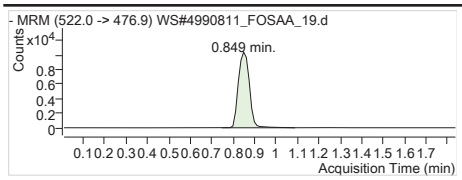


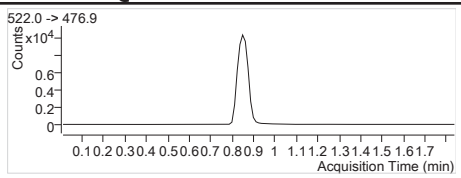
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 78.74 µg/Kg
Area ratio: 0.04256
Sample type: Blank





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 75.66 µg/Kg
Area ratio: 0.03658
Sample type: Blank





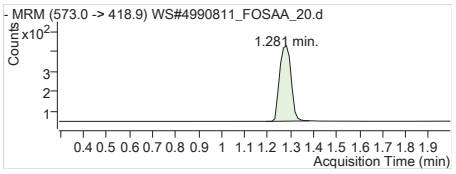
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	117.73 µg/Kg
Area ratio:	0
Sample type:	Blank

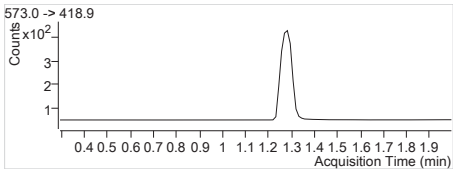
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:MTRX SPK**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_20.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B2
Acq. Date	2017/05/25 1:57:08 AM	**Injection Volume**	Per Method
Sample Annotation	EJI429		

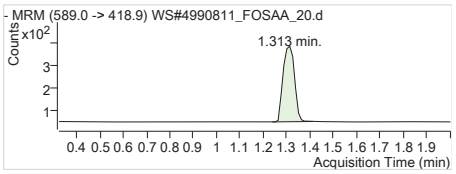
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1317	1.28	1 µg/Kg		
D5-EtFOSAA IS	1158	1.31	1 µg/Kg		
13C9-PFDA IS	28601	0.85	1 µg/Kg		

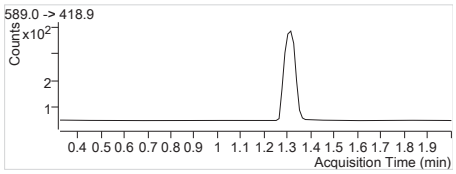
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	9113	1.27	18.80	23.28 µg/Kg	93.12
EtFOSAA 1	8969	1.30	18.80	23.07 µg/Kg	92.28
D3-MeFOSAA	1333	1.28	100.00	86.21 µg/Kg	86.21
D5-EtFOSAA	1170	1.31	100.00	84.65 µg/Kg	84.65
13C9-PFDA	29232	0.85	100.00	124.16 µg/Kg	93.35



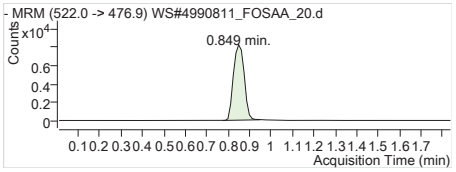


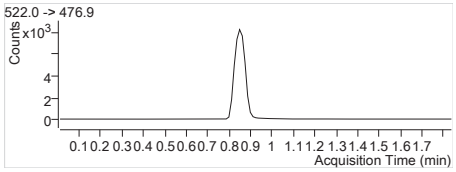
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: QC



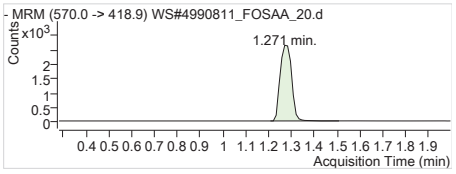


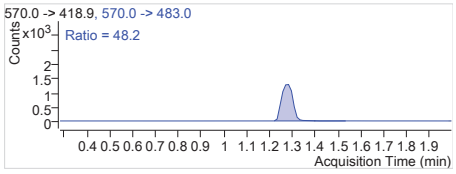
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: QC



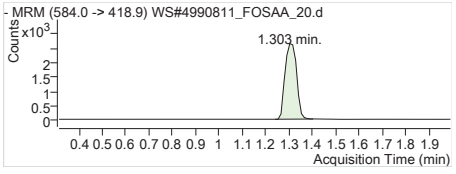


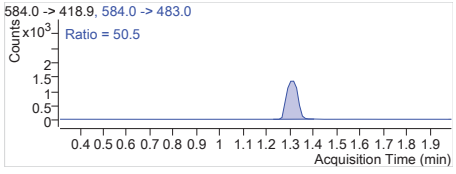
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: QC



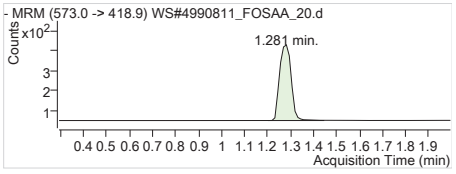


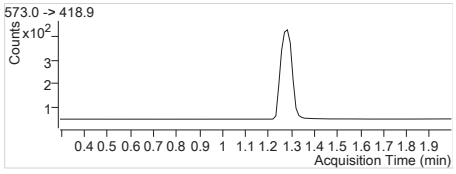
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 23.28 µg/Kg
Area ratio: 6.91951
Sample type: QC



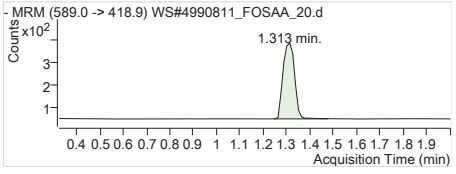


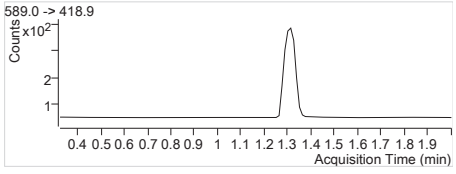
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 23.07 µg/Kg
Area ratio: 7.74525
Sample type: QC



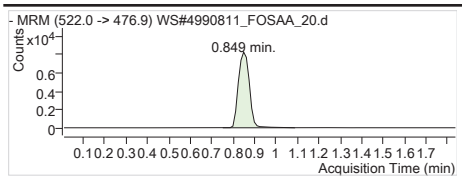


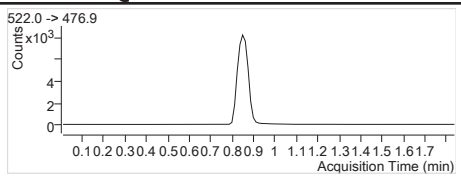
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 86.21 µg/Kg
Area ratio: 0.04660
Sample type: QC





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 84.65 µg/Kg
Area ratio: 0.04092
Sample type: QC





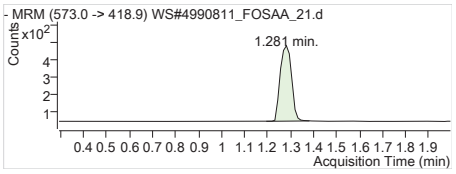
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	124.16 µg/Kg
Area ratio:	0
Sample type:	QC

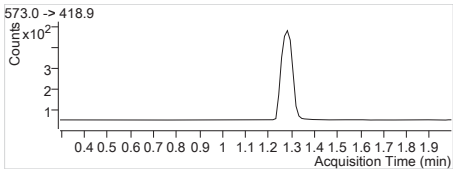
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:MTRX SPK:D1**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_21.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B3
Acq. Date	2017/05/25 1:59:31 AM	**Injection Volume**	Per Method
Sample Annotation	EJI429		

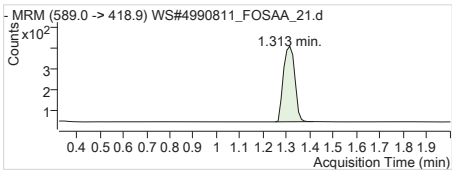
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1473	1.28	1 µg/Kg		
D5-EtFOSAA IS	1226	1.31	1 µg/Kg		
13C9-PFDA IS	31929	0.86	1 µg/Kg		

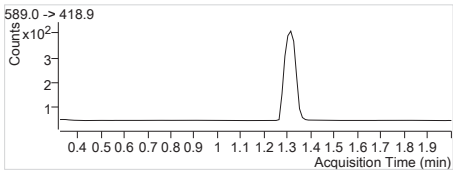
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	10077	1.28	18.80	23.02 µg/Kg	92.06
EtFOSAA 1	9649	1.32	18.80	23.45 µg/Kg	93.77
D3-MeFOSAA	1491	1.28	100.00	86.38 µg/Kg	86.38
D5-EtFOSAA	1233	1.31	100.00	79.90 µg/Kg	79.90
13C9-PFDA	32818	0.86	100.00	139.39 µg/Kg	104.81



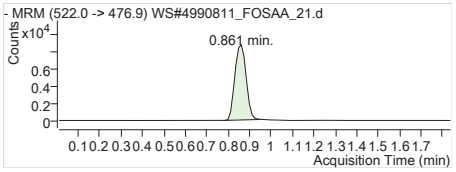


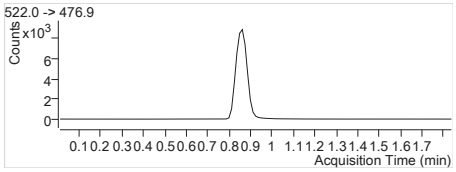
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: QC



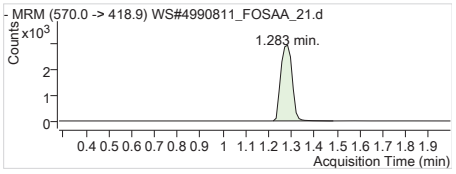


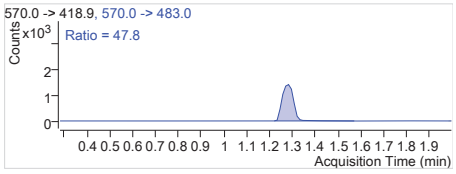
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: QC



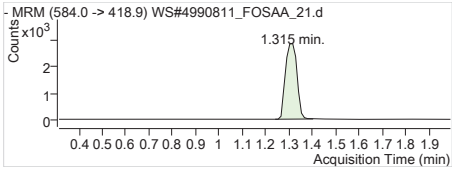


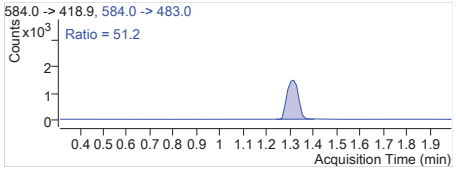
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.861 (0.849)
Concentration: 1 µg/Kg
Sample type: QC



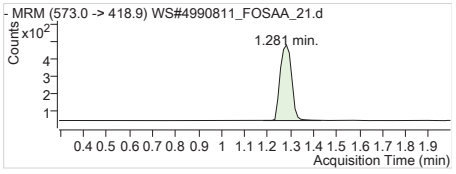


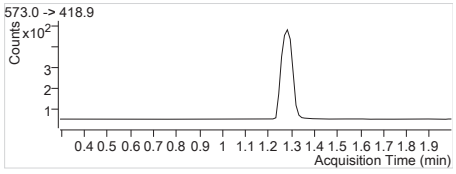
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.283 (1.271)
Calc. conc. 23.02 µg/Kg
Area ratio: 6.84114
Sample type: QC



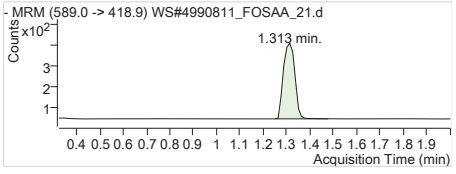


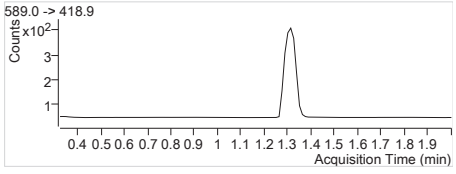
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.315 (1.303)
Calc. conc. 23.45 µg/Kg
Area ratio: 7.87031
Sample type: QC



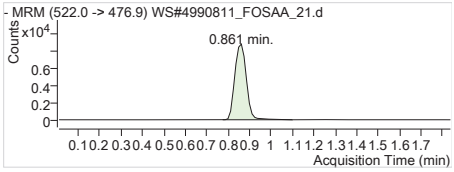


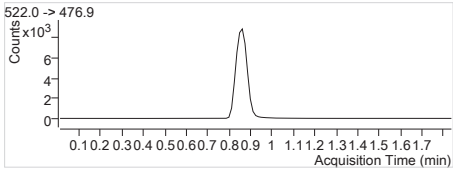
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 86.38 µg/Kg
Area ratio: 0.04670
Sample type: QC





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 79.90 µg/Kg
Area ratio: 0.03863
Sample type: QC





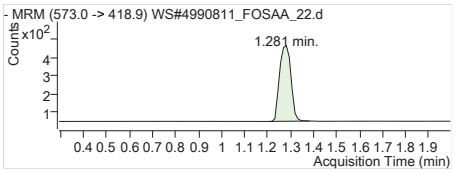
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.861 (0.849)
Calc. conc.	139.39 µg/Kg
Area ratio:	0
Sample type:	QC

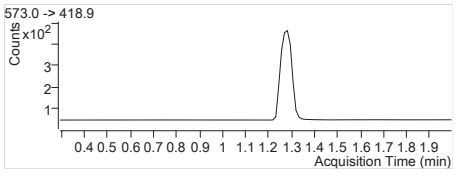
Batch Path	T:\lcms4\PFC\20170524\WS#4990811_FOSAA\QuantResults\PFC_Soil_170524_WS#4990811_FOSAA

Sample Name	**4990811:SPIKE**	**Instrument**	LCMS04
Data File	WS#4990811_FOSAA_22.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.33
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P2-B4
Acq. Date	2017/05/25 2:01:54 AM	**Injection Volume**	Per Method
Sample Annotation	-		

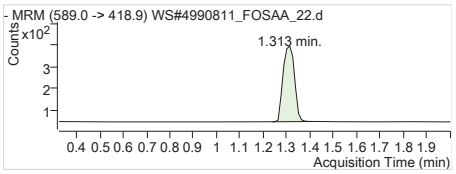
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1432	1.28	1 µg/Kg		
D5-EtFOSAA IS	1181	1.31	1 µg/Kg		
13C9-PFDA IS	33799	0.85	1 µg/Kg		

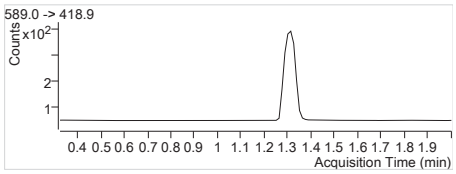
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	9817	1.27	18.80	23.07 µg/Kg	92.26
EtFOSAA 1	9446	1.30	18.80	23.83 µg/Kg	95.30
D3-MeFOSAA	1442	1.28	100.00	78.92 µg/Kg	78.92
D5-EtFOSAA	1199	1.31	100.00	73.41 µg/Kg	73.41
13C9-PFDA	34379	0.85	100.00	146.02 µg/Kg	109.79



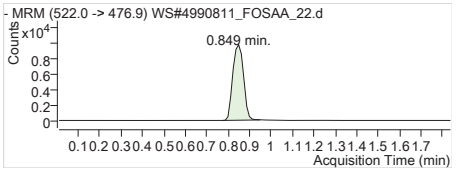


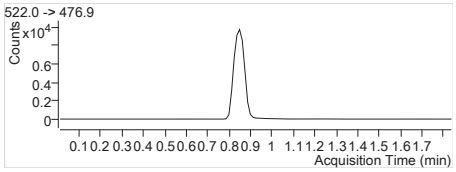
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: QC



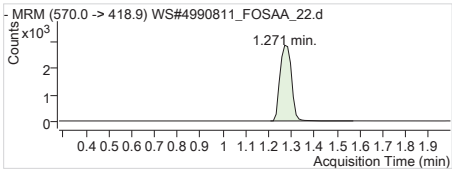


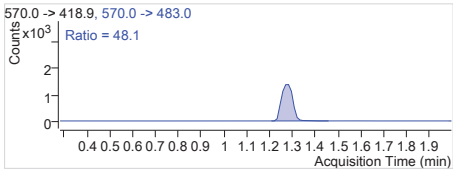
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: QC



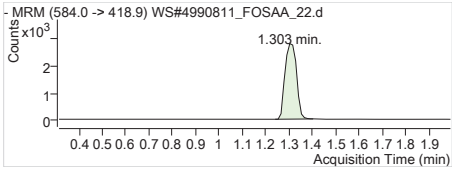


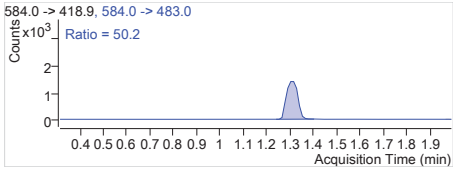
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: QC



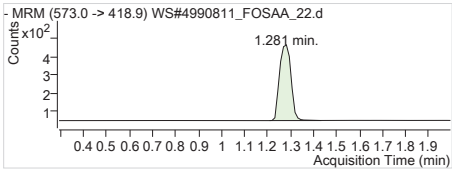


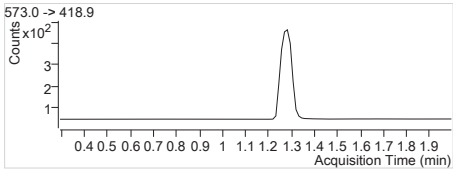
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 23.07 µg/Kg
Area ratio: 6.85545
Sample type: QC



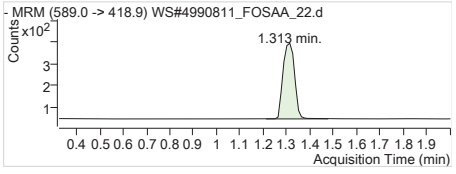


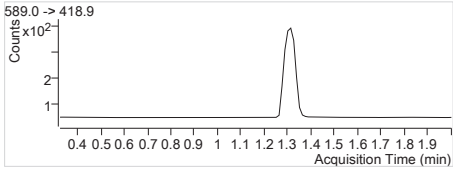
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 23.83 µg/Kg
Area ratio: 7.99831
Sample type: QC



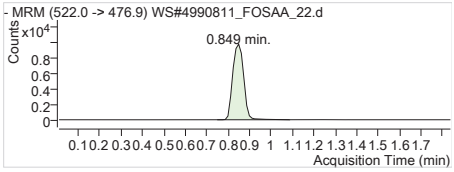


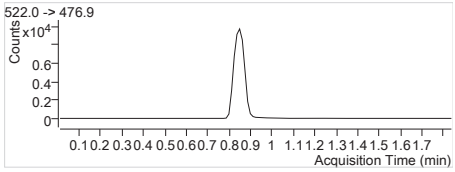
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 78.92 µg/Kg
Area ratio: 0.04266
Sample type: QC





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 73.41 µg/Kg
Area ratio: 0.03549
Sample type: QC





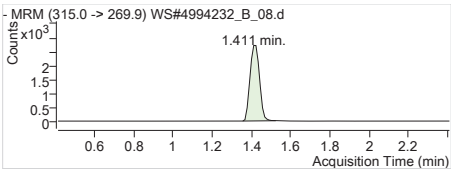
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	146.02 µg/Kg
Area ratio:	0
Sample type:	QC

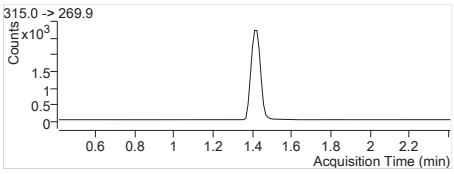
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**IB**	**Instrument**	LCMS04
Data File	WS#4994232_B_08.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P1-A8
Acq. Date	2017/05/30 9:58:54 AM	**Injection Volume**	Per Method
Sample Annotation	-		

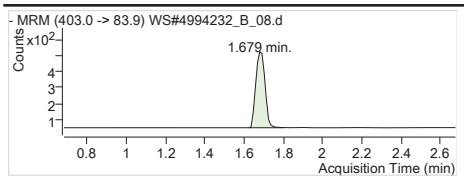
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9018	1.41	1 µg/Kg		
MPFHxS	1551	1.68	1 µg/Kg		
MPFHpA	9288	1.68	1 µg/Kg		
MPFOA	9376	1.87	1 µg/Kg		
MPFNA	8373	2.01	1 µg/Kg		
MPFDA	8123	2.12	1 µg/Kg		
MPFUnA	8699	2.22	1 µg/Kg		
MPFDoA	9809	2.31	1 µg/Kg		
MPFTeDA	11345	2.46	1 µg/Kg		
M2 6:2 FTS	2369	1.83	1 µg/Kg		
M2 8:2 FTS	2233	2.10	1 µg/Kg		
13C6-PFHxA IS	42757	1.41	1 µg/Kg		
13C9-PFDA IS	37805	2.12	1 µg/Kg		

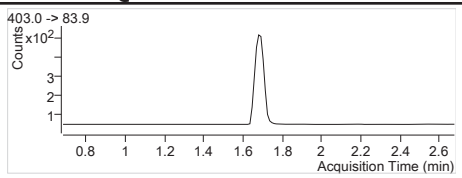
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1	648	2.46	-	0.02 µg/Kg	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	9018	1.41	-	101.57 µg/Kg	-
18O2-PFHxS	1551	1.68	-	103.48 µg/Kg	-
13C4-PFHpA	9288	1.68	-	98.75 µg/Kg	-
13C4-PFOA	9376	1.87	-	106.44 µg/Kg	-
13C5-PFNA	8373	2.01	-	96.84 µg/Kg	-
13C2-PFDA	8123	2.12	-	103.40 µg/Kg	-
13C2-PFUnA	8707	2.22	-	99.38 µg/Kg	-
13C2-PFDoA	9809	2.31	-	101.00 µg/Kg	-
13C2-PFTeDA	11345	2.46	-	91.28 µg/Kg	-
13C2-6:2-FTS	2369	1.83	-	106.55 µg/Kg	-
13C2-8:2 FTS	2233	2.10	-	102.88 µg/Kg	-
13C6-PFHxA	42757	1.41	-	113.84 µg/Kg	-
13C9-PFDA	37805	2.12	-	119.02 µg/Kg	-



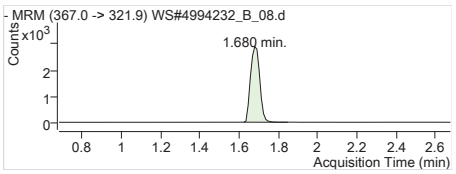


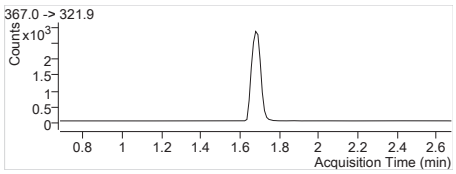
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



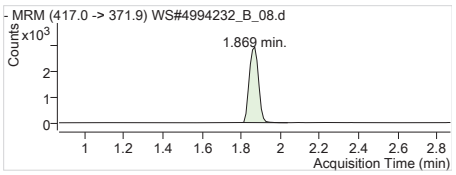


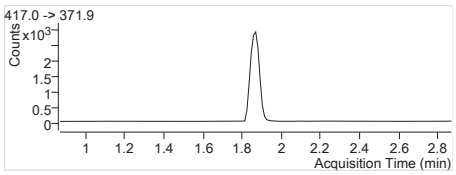
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



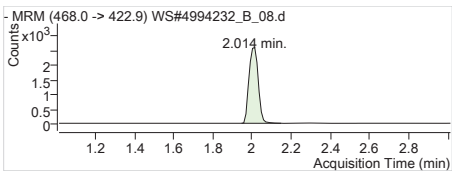


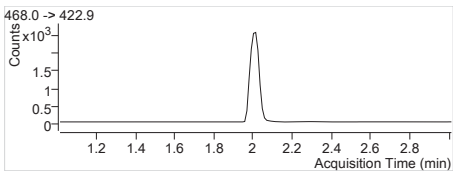
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



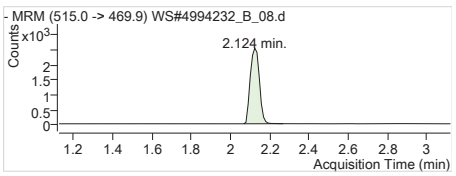


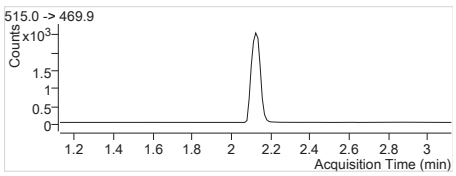
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



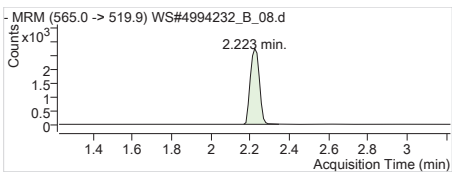


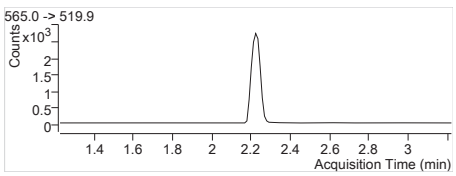
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



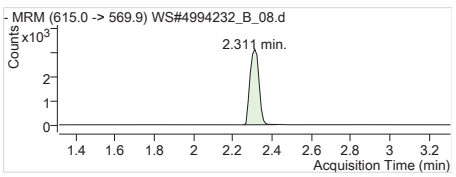


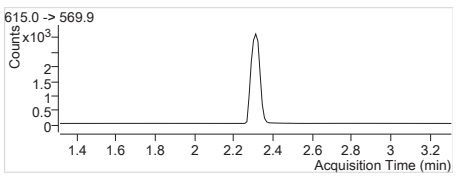
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



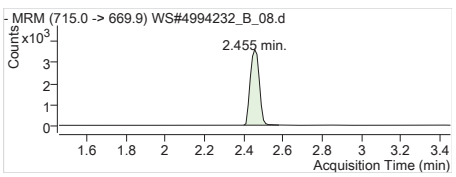


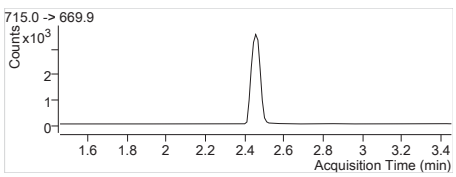
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



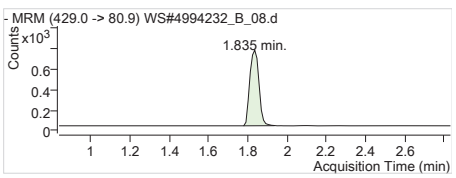


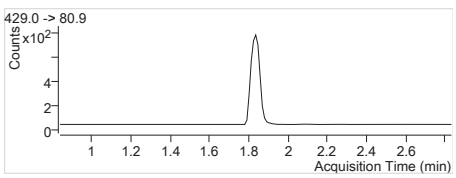
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



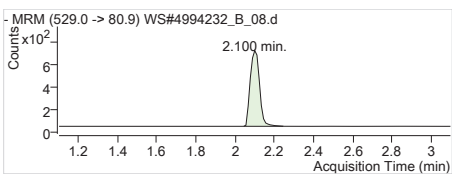


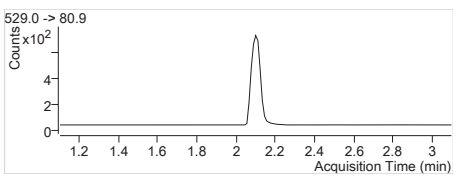
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



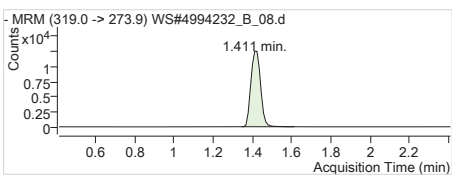


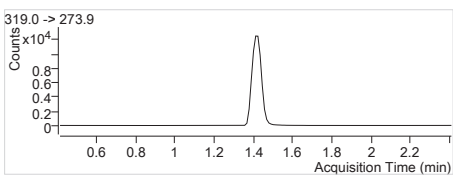
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



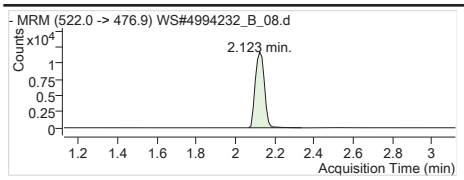


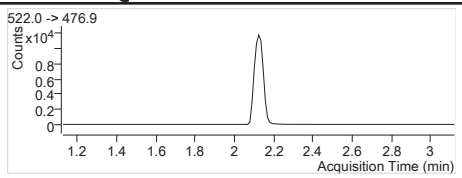
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



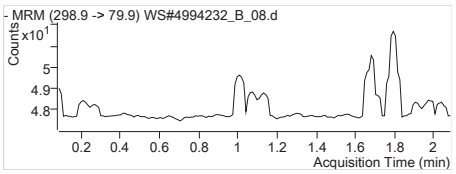


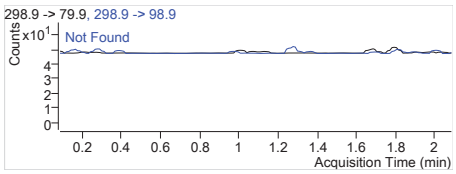
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



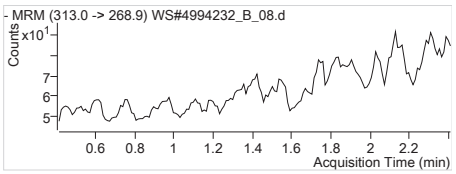


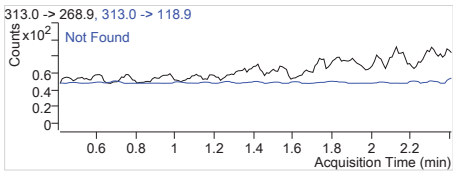
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



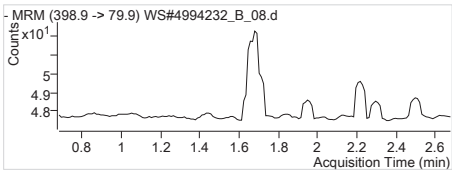


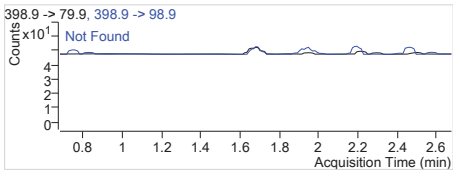
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



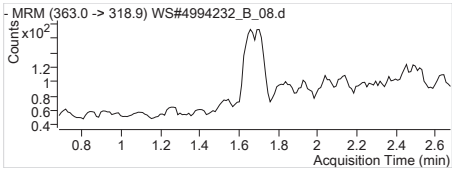


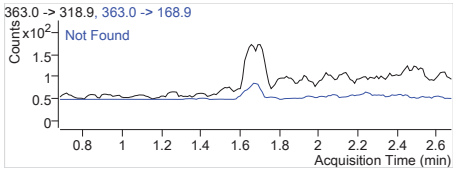
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



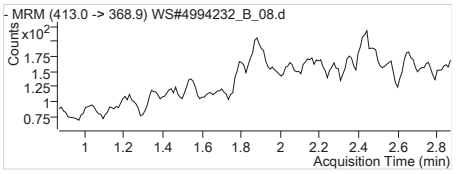


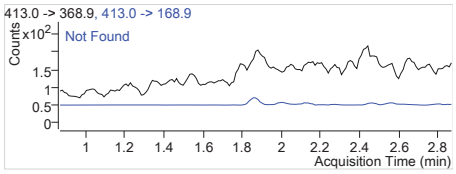
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.679)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



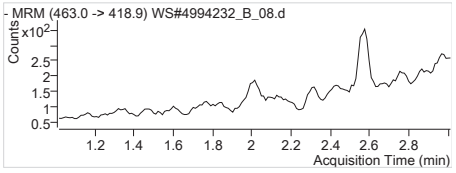


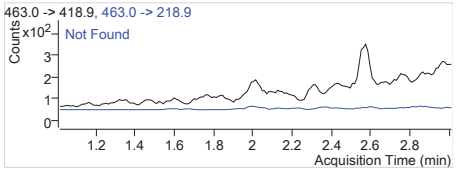
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



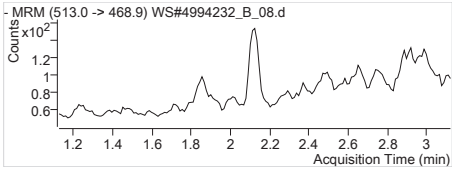


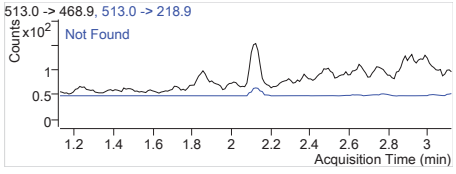
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



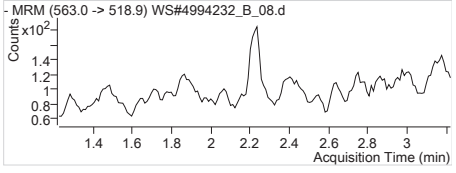


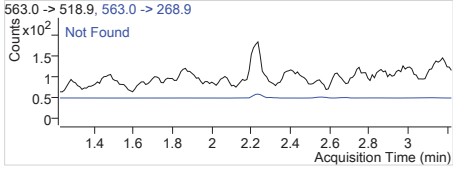
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



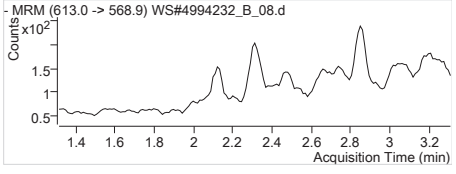


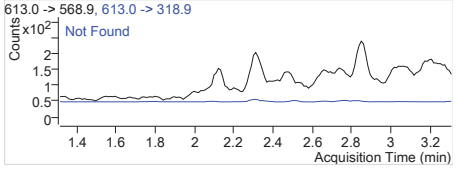
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



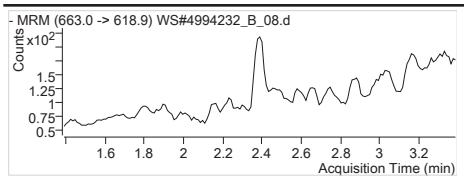


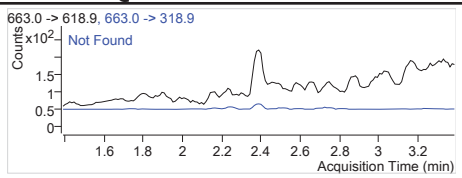
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



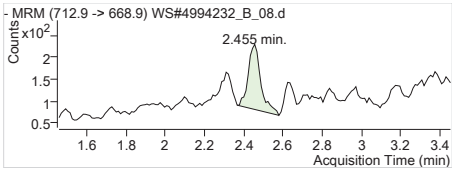


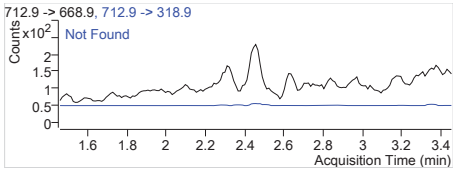
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



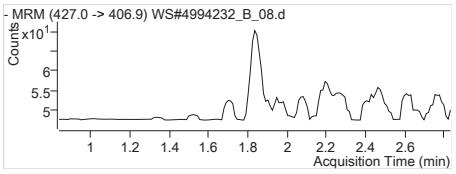


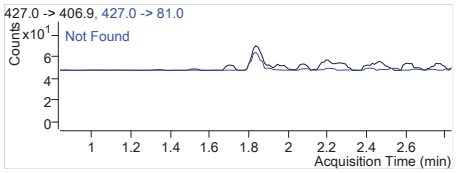
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



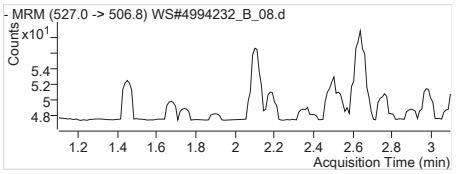


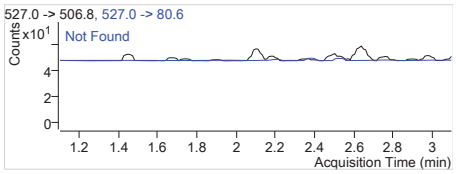
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.456)
Calc. conc. 0.02 µg/Kg
Area ratio: 0.05712
Sample type: Sample



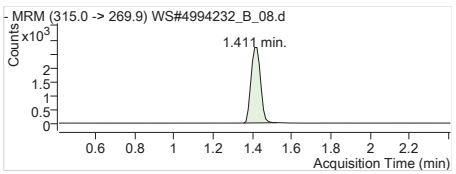


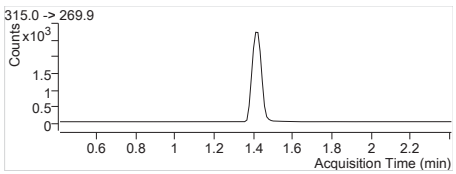
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



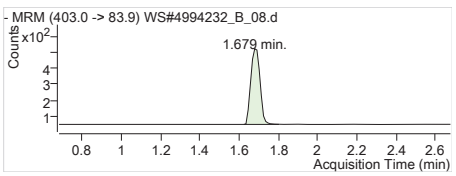


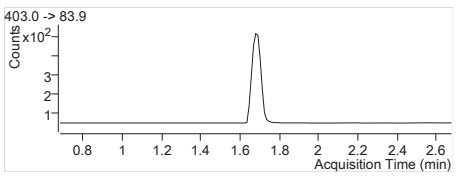
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



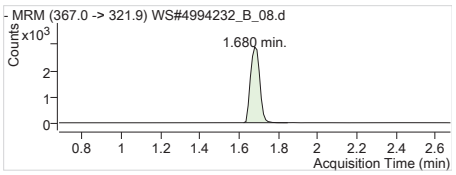


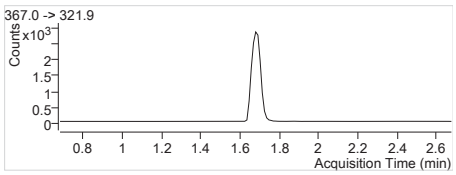
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 101.57 µg/Kg
Area ratio: 0.21091
Sample type: Sample



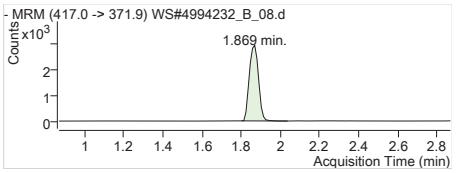


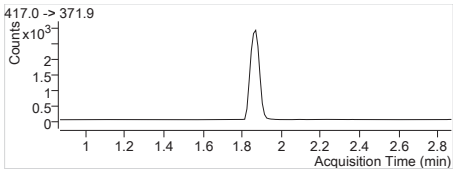
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 103.48 µg/Kg
Area ratio: 0.03627
Sample type: Sample



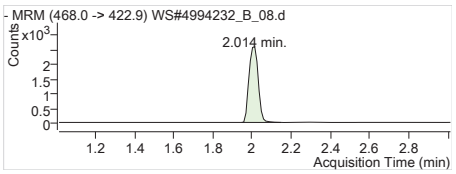


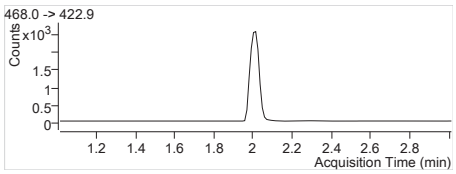
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 98.75 µg/Kg
Area ratio: 0.21723
Sample type: Sample



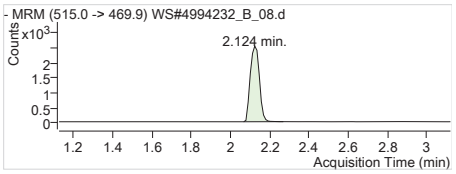


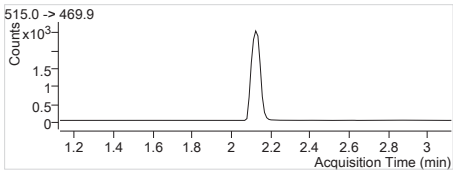
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 106.44 µg/Kg
Area ratio: 0.21929
Sample type: Sample



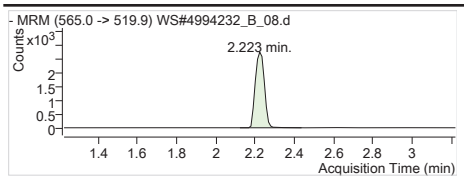


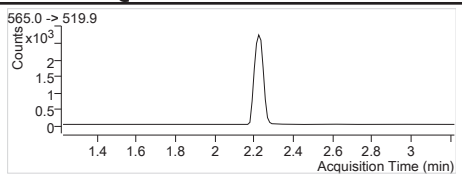
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 96.84 µg/Kg
Area ratio: 0.19583
Sample type: Sample



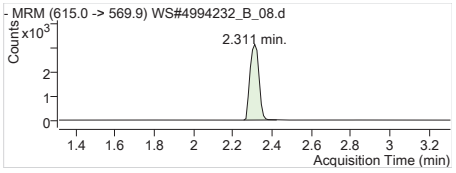


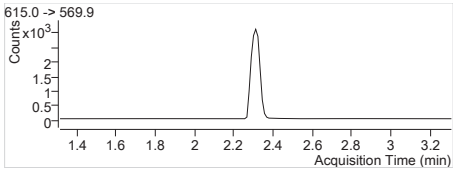
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 103.40 µg/Kg
Area ratio: 0.21487
Sample type: Sample



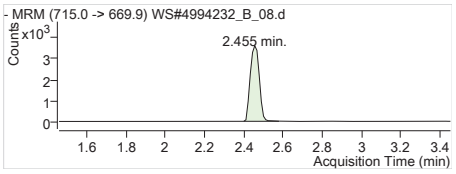


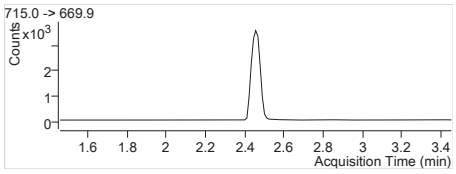
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 99.38 µg/Kg
Area ratio: 0.23031
Sample type: Sample



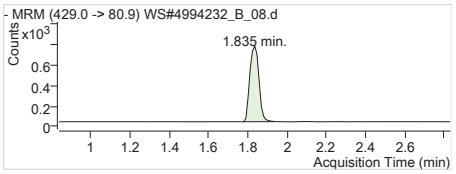


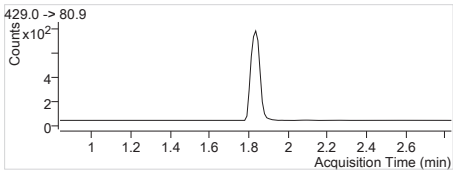
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 101.00 µg/Kg
Area ratio: 0.25946
Sample type: Sample



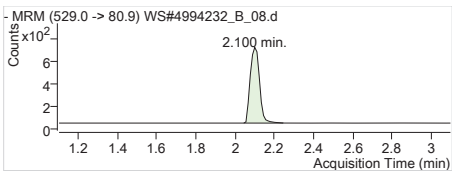


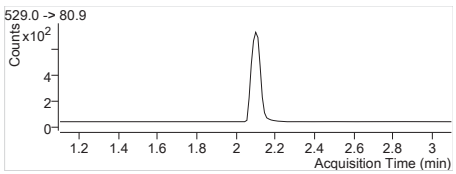
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 91.28 µg/Kg
Area ratio: 0.30009
Sample type: Sample



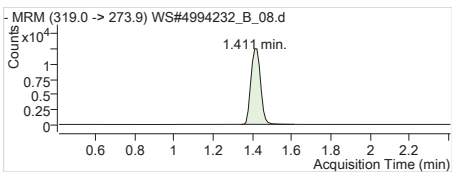


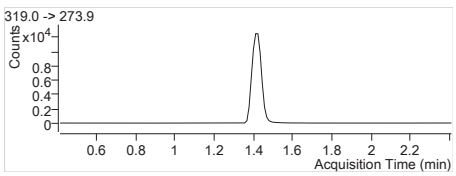
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 106.55 µg/Kg
Area ratio: 0.05541
Sample type: Sample



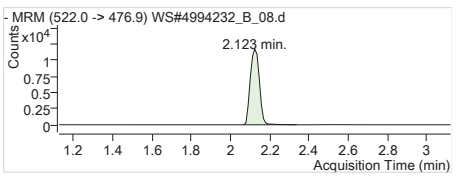


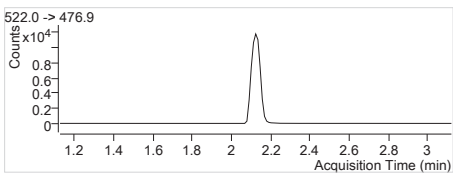
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 102.88 µg/Kg
Area ratio: 0.05223
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 113.84 µg/Kg
Area ratio: 0
Sample type: Sample





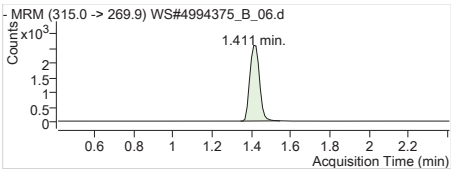
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 119.02 µg/Kg
Area ratio: 0
Sample type: Sample

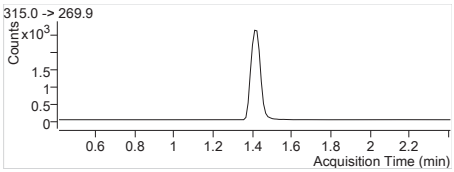
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**IB**	**Instrument**	LCMS04
Data File	WS#4994375_B_06.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.333
Acq. Method	PFC_Soil.m	**Position**	P1-A8
Acq. Date	2017/05/30 10:43:00 AM	**Injection Volume**	Per Method
Sample Annotation	-		

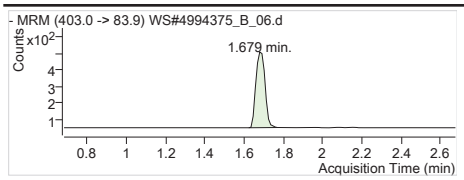
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8798	1.41	1 µg/Kg		
MPFHxS	1495	1.68	1 µg/Kg		
MPFHpA	9374	1.68	1 µg/Kg		
MPFOA	9643	1.87	1 µg/Kg		
MPFNA	8431	2.01	1 µg/Kg		
MPFDA	7397	2.12	1 µg/Kg		
MPFUnA	8246	2.22	1 µg/Kg		
MPFDoA	9498	2.31	1 µg/Kg		
MPFTeDA	11729	2.46	1 µg/Kg		
M2 6:2 FTS	2388	1.84	1 µg/Kg		
M2 8:2 FTS	2343	2.10	1 µg/Kg		
13C6-PFHxA IS	41938	1.41	1 µg/Kg		
13C9-PFDA IS	36495	2.12	1 µg/Kg		

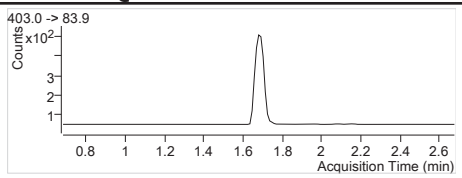
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8798	1.41	-	101.03 µg/Kg	-
18O2-PFHxS	1495	1.68	-	101.69 µg/Kg	-
13C4-PFHpA	9374	1.68	-	101.61 µg/Kg	-
13C4-PFOA	9643	1.87	-	111.61 µg/Kg	-
13C5-PFNA	8431	2.01	-	99.42 µg/Kg	-
13C2-PFDA	7397	2.12	-	97.54 µg/Kg	-
13C2-PFUnA	8299	2.22	-	98.12 µg/Kg	-
13C2-PFDoA	9498	2.31	-	101.30 µg/Kg	-
13C2-PFTeDA	11729	2.46	-	97.75 µg/Kg	-
13C2-6:2-FTS	2388	1.84	-	109.50 µg/Kg	-
13C2-8:2 FTS	2343	2.10	-	110.06 µg/Kg	-
13C6-PFHxA	41938	1.41	-	111.91 µg/Kg	-
13C9-PFDA	37182	2.12	-	117.32 µg/Kg	-



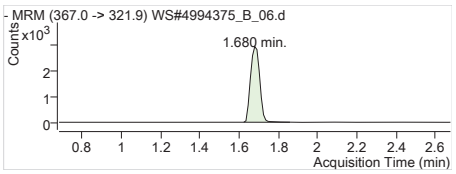


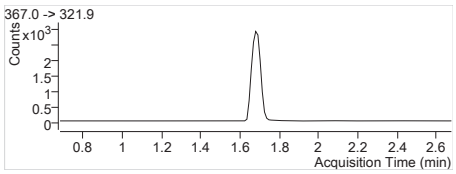
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



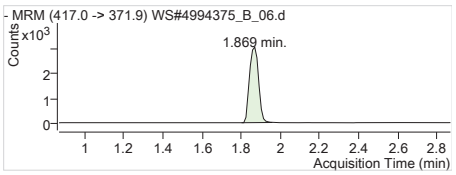


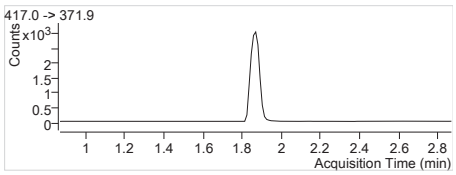
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



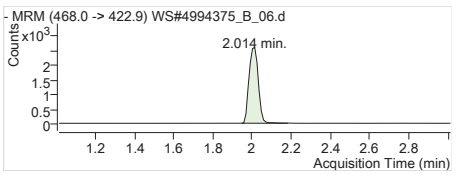


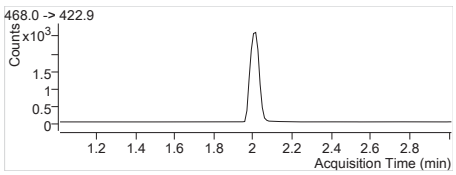
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



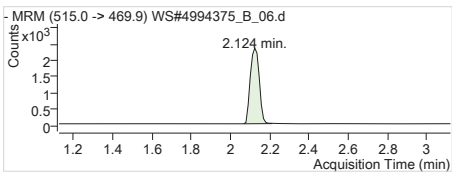


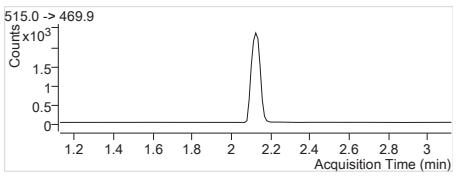
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



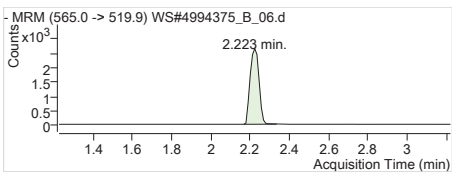


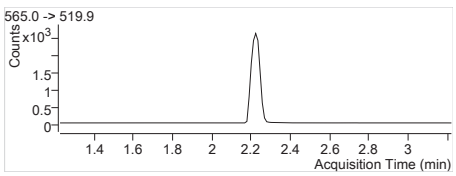
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



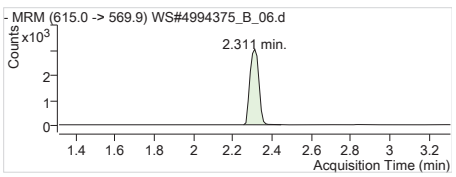


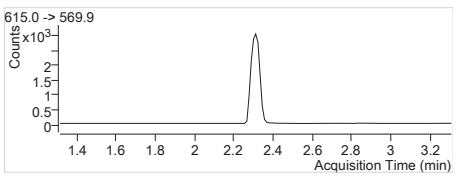
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



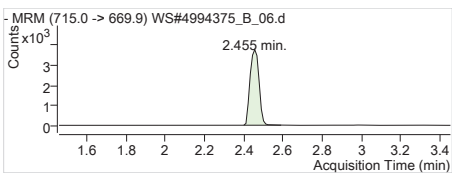


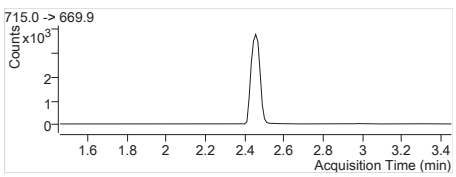
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



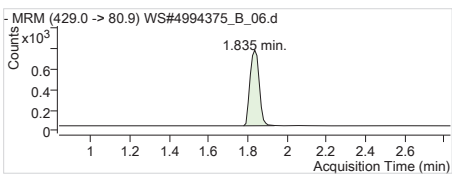


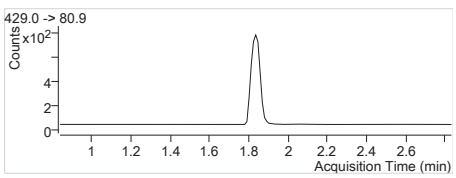
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



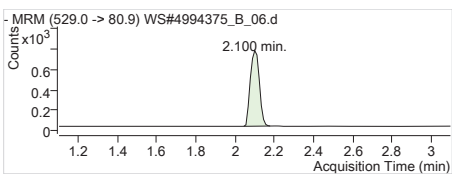


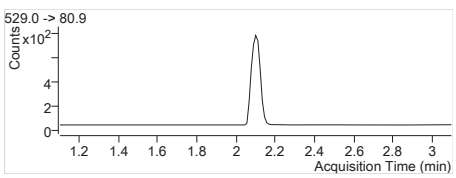
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



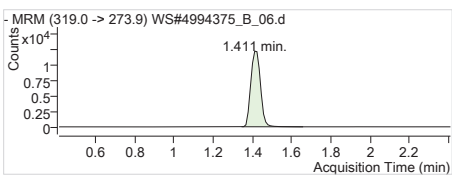


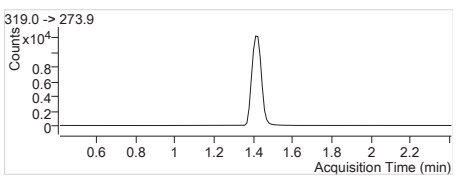
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



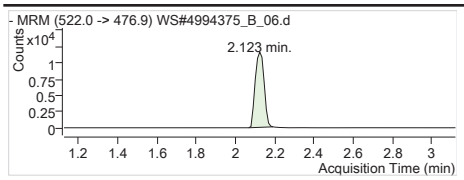


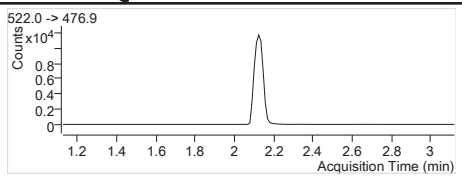
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



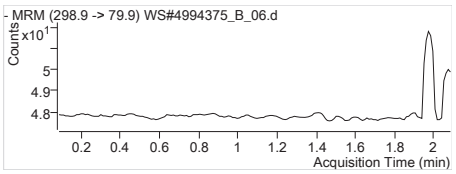


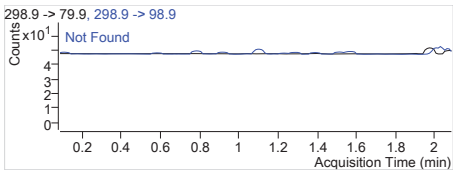
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



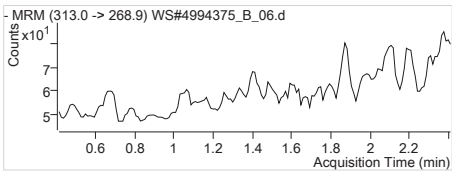


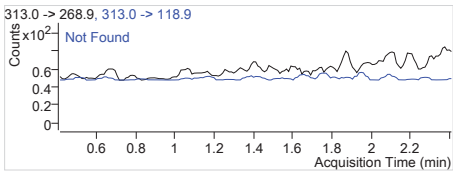
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



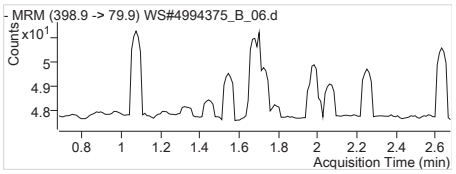


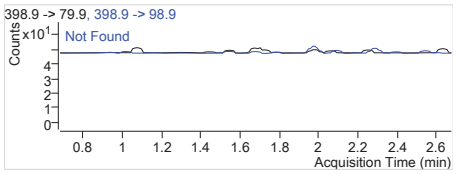
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



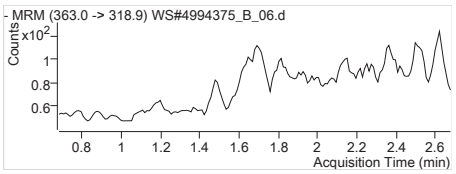


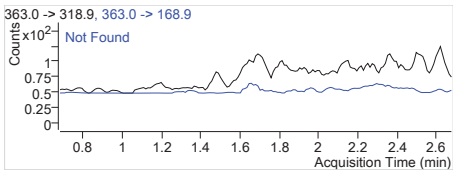
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



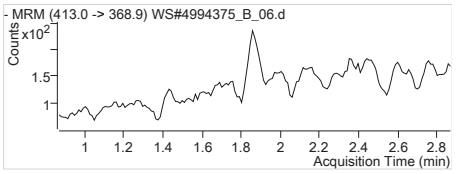


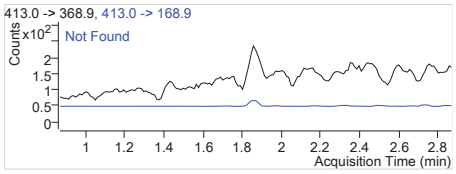
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.679)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



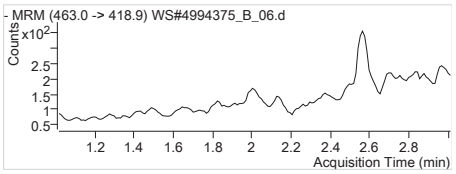


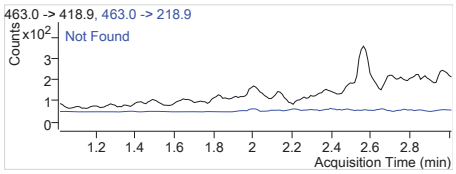
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



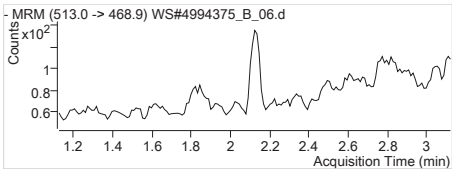


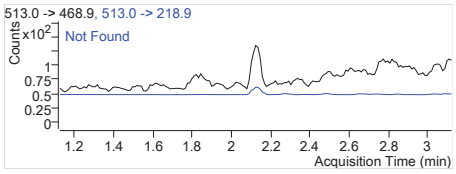
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



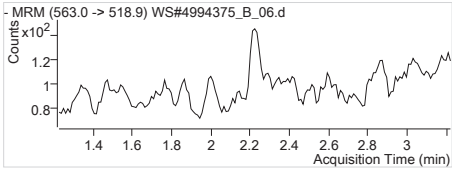


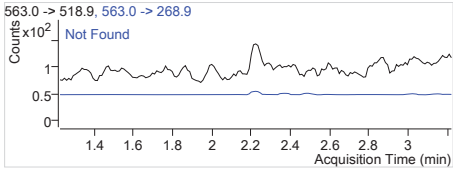
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



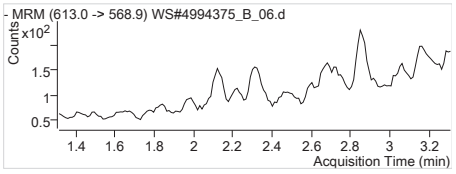


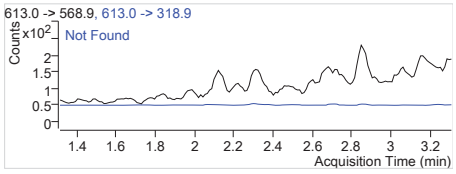
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



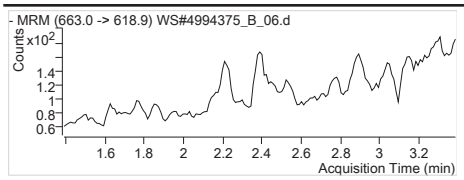


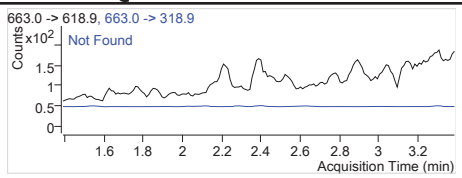
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



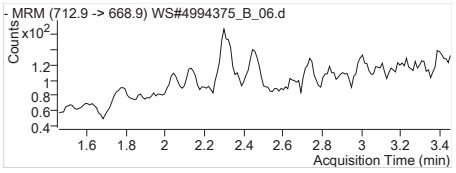


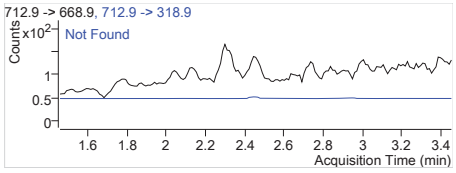
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



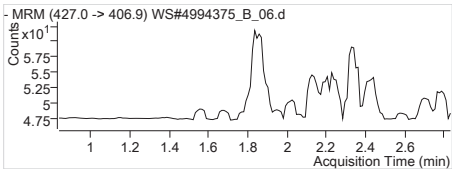


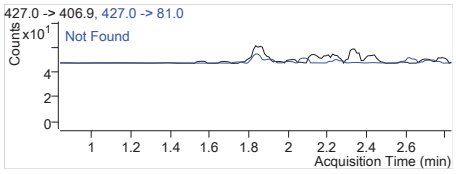
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



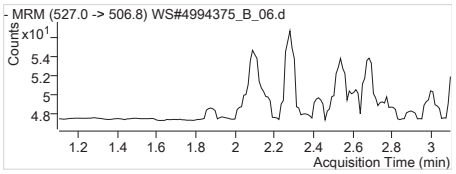


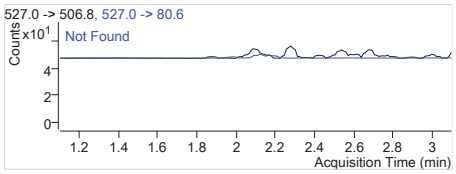
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



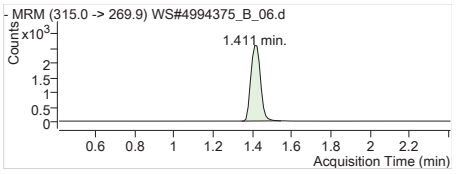


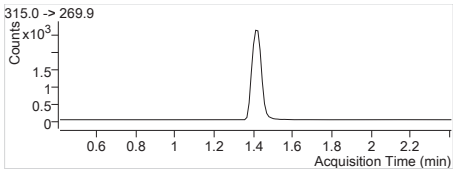
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



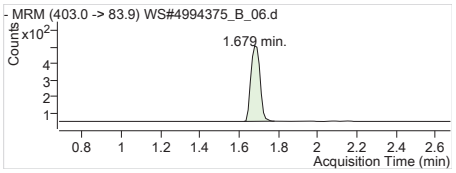


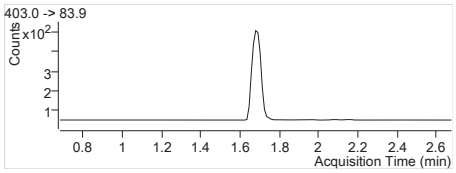
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



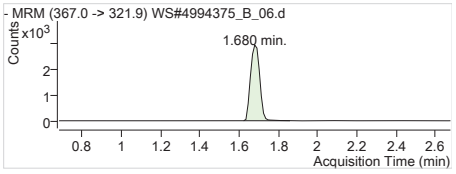


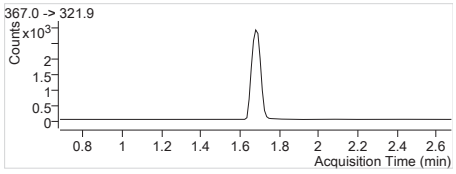
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 101.03 µg/Kg
Area ratio: 0.20979
Sample type: Sample



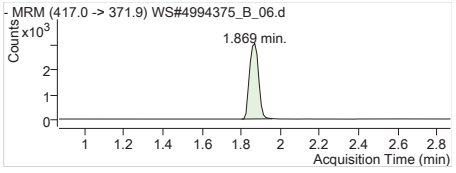


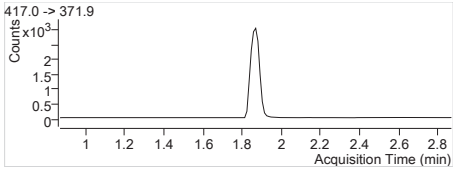
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 101.69 µg/Kg
Area ratio: 0.03565
Sample type: Sample



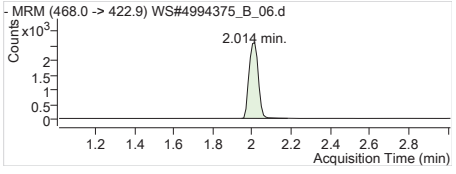


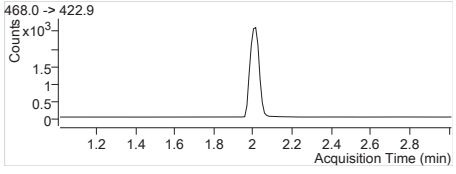
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 101.61 µg/Kg
Area ratio: 0.22352
Sample type: Sample



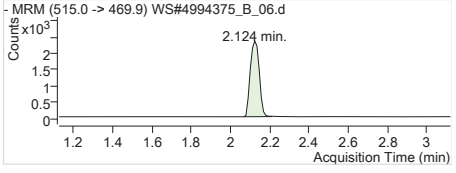


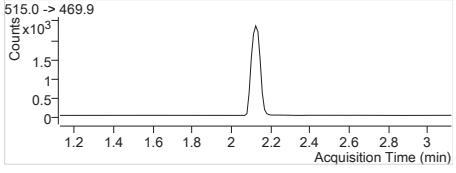
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 111.61 µg/Kg
Area ratio: 0.22993
Sample type: Sample



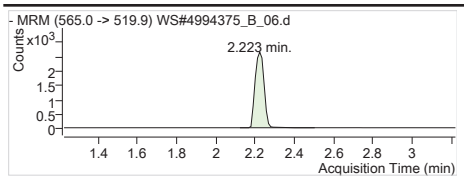


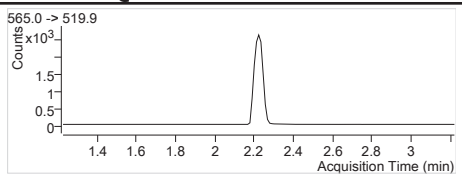
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 99.42 µg/Kg
Area ratio: 0.20103
Sample type: Sample



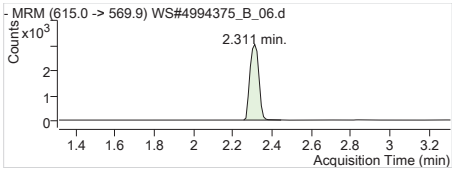


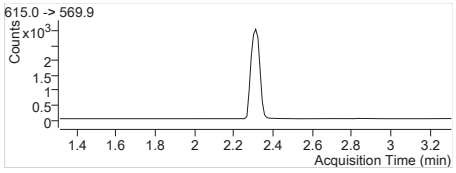
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 97.54 µg/Kg
Area ratio: 0.20269
Sample type: Sample



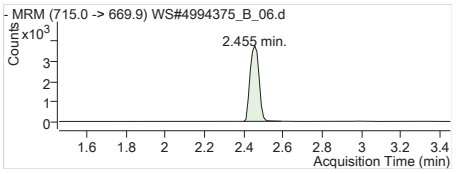


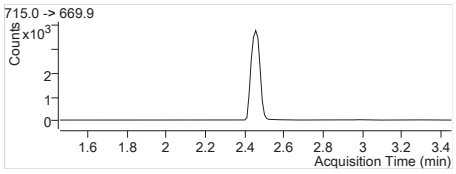
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 98.12 µg/Kg
Area ratio: 0.22740
Sample type: Sample



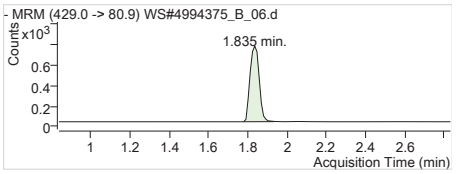


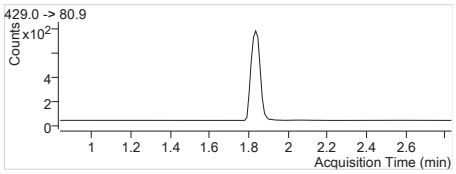
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 101.30 µg/Kg
Area ratio: 0.26025
Sample type: Sample



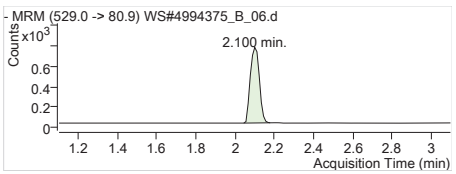


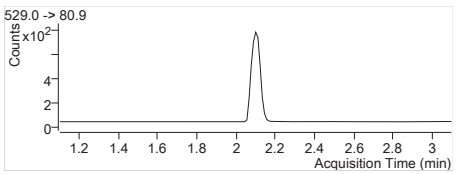
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 97.75 µg/Kg
Area ratio: 0.32139
Sample type: Sample



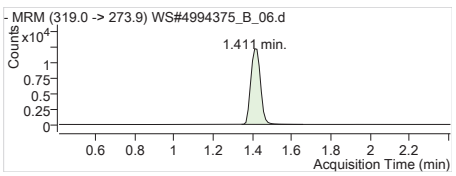


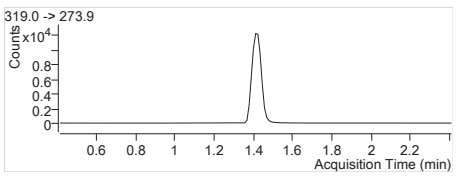
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 109.50 µg/Kg
Area ratio: 0.05694
Sample type: Sample



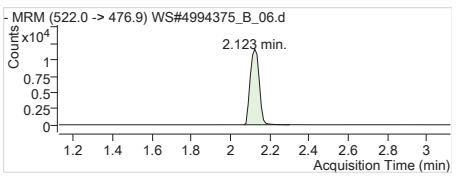


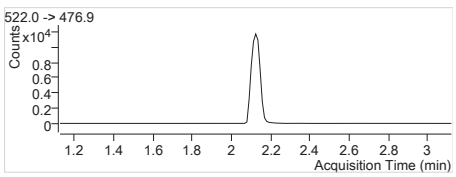
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 110.06 µg/Kg
Area ratio: 0.05587
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 111.91 µg/Kg
Area ratio: 0
Sample type: Sample





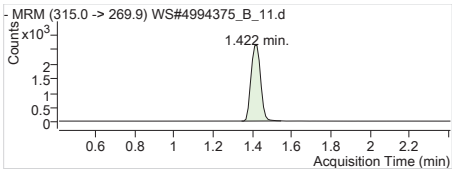
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 117.32 µg/Kg
Area ratio: 0
Sample type: Sample

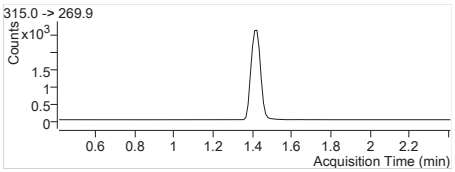
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**IB**	**Instrument**	LCMS04
Data File	WS#4994375_B_11.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.333
Acq. Method	PFC_Soil.m	**Position**	P1-A8
Acq. Date	2017/05/30 11:07:30 AM	**Injection Volume**	Per Method
Sample Annotation	-		

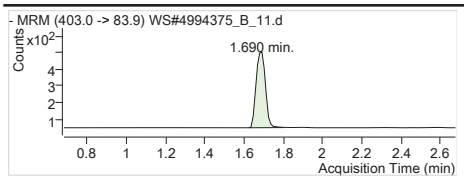
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8846	1.42	1 µg/Kg		
MPFHxS	1502	1.69	1 µg/Kg		
MPFHpA	10036	1.68	1 µg/Kg		
MPFOA	9046	1.87	1 µg/Kg		
MPFNA	8380	2.01	1 µg/Kg		
MPFDA	6914	2.12	1 µg/Kg		
MPFUnA	8743	2.22	1 µg/Kg		
MPFDoA	9651	2.31	1 µg/Kg		
MPFTeDA	11459	2.46	1 µg/Kg		
M2 6:2 FTS	2383	1.83	1 µg/Kg		
M2 8:2 FTS	2238	2.10	1 µg/Kg		
13C6-PFHxA IS	41210	1.41	1 µg/Kg		
13C9-PFDA IS	35854	2.12	1 µg/Kg		

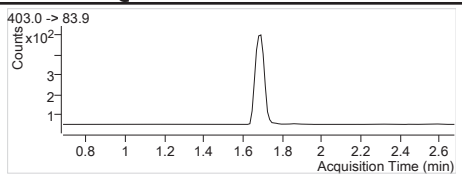
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8846	1.42	-	103.37 µg/Kg	-
18O2-PFHxS	1502	1.69	-	103.97 µg/Kg	-
13C4-PFHpA	10036	1.68	-	110.71 µg/Kg	-
13C4-PFOA	9046	1.87	-	106.55 µg/Kg	-
13C5-PFNA	8380	2.01	-	100.56 µg/Kg	-
13C2-PFDA	6914	2.12	-	92.80 µg/Kg	-
13C2-PFUnA	8747	2.22	-	105.27 µg/Kg	-
13C2-PFDoA	9651	2.31	-	104.78 µg/Kg	-
13C2-PFTeDA	11459	2.46	-	97.21 µg/Kg	-
13C2-6:2-FTS	2383	1.83	-	111.20 µg/Kg	-
13C2-8:2 FTS	2238	2.10	-	106.98 µg/Kg	-
13C6-PFHxA	41210	1.41	-	109.97 µg/Kg	-
13C9-PFDA	36280	2.12	-	114.48 µg/Kg	-



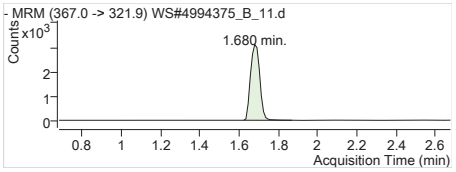


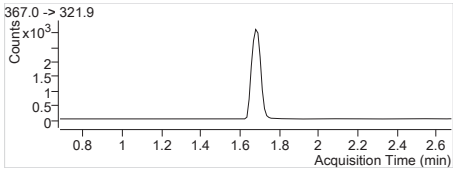
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



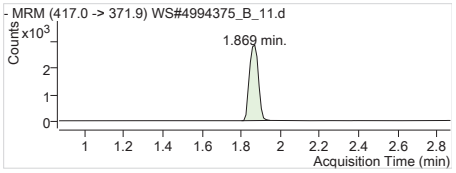


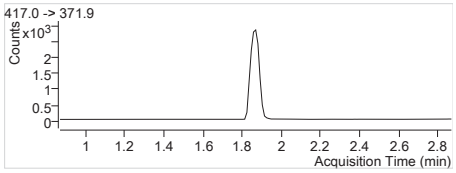
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



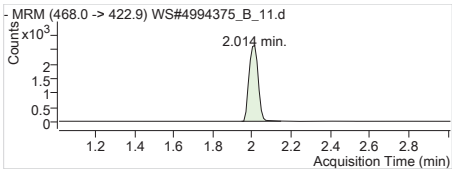


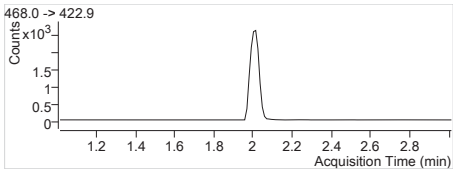
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



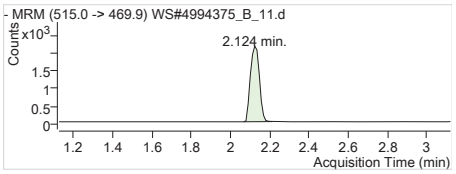


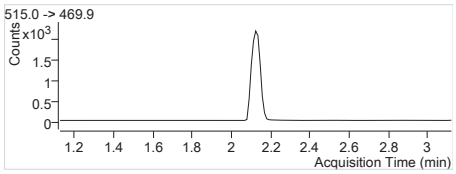
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



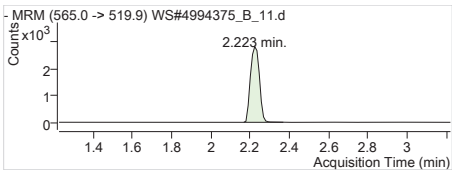


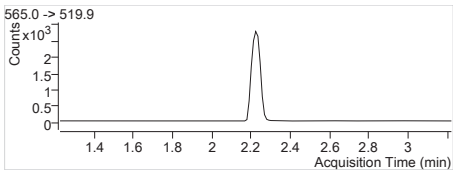
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



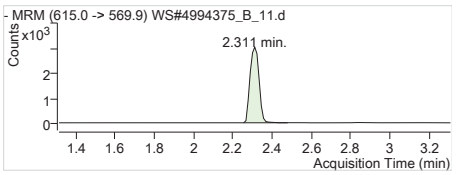


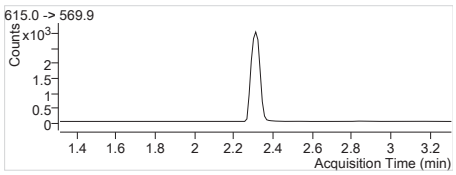
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



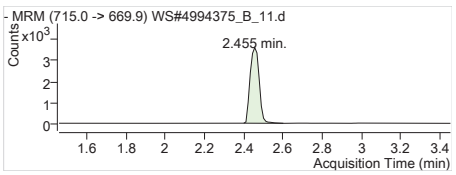


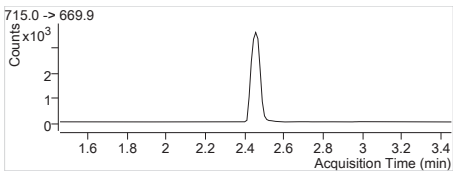
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



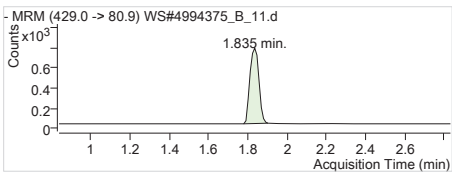


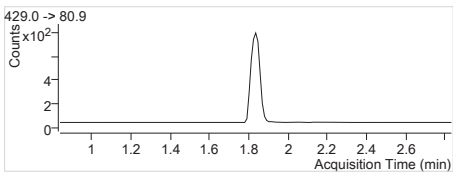
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



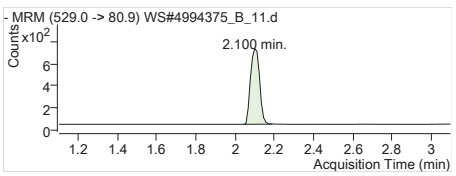


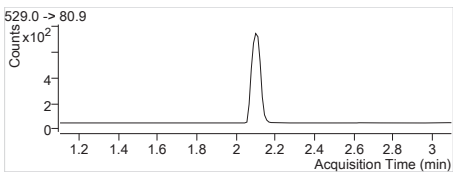
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



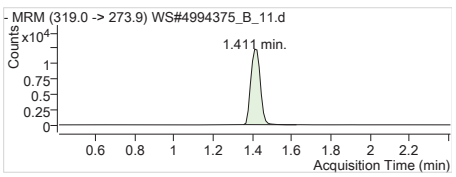


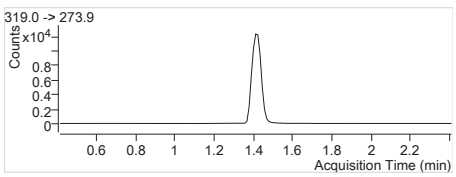
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



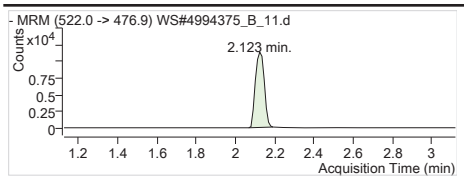


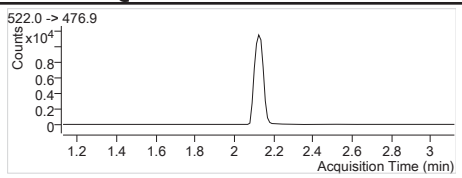
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



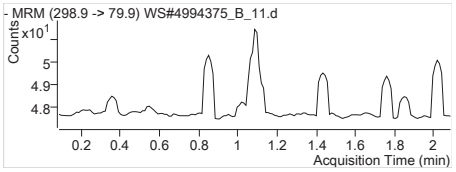


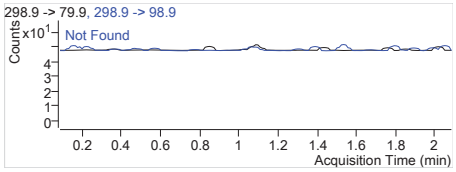
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



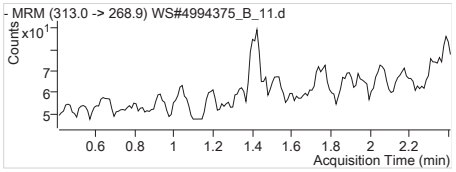


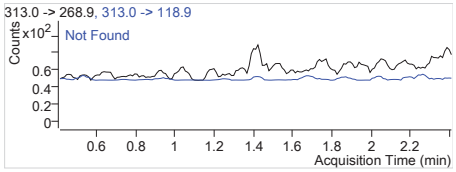
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



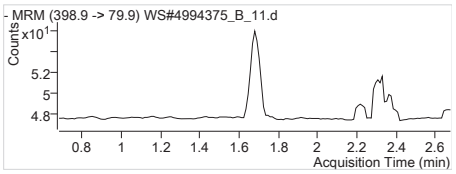


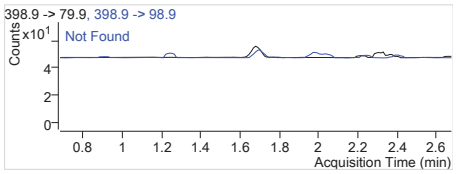
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



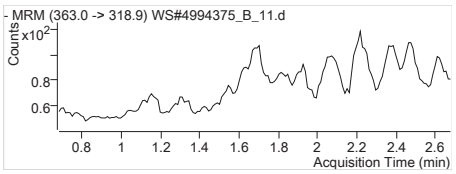


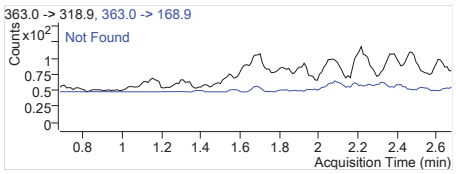
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



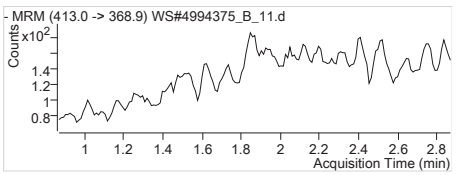


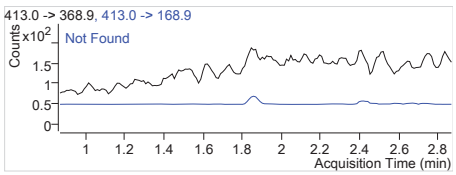
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.679)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



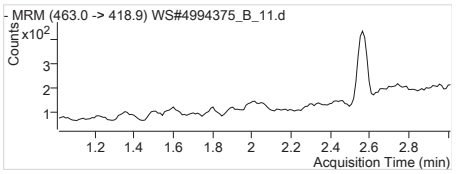


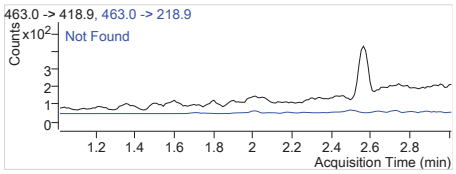
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



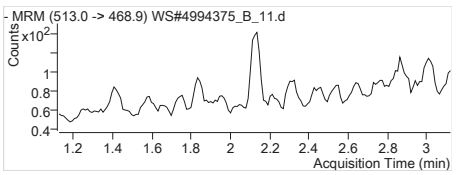


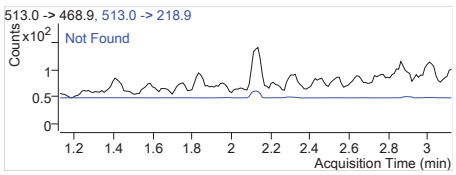
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



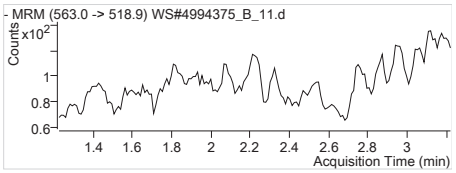


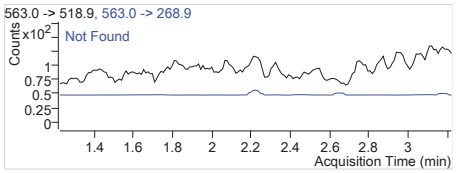
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



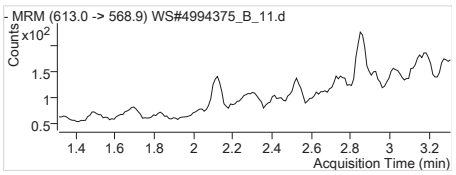


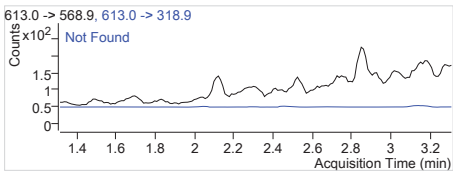
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



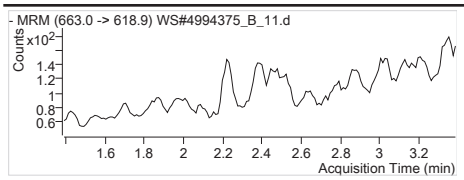


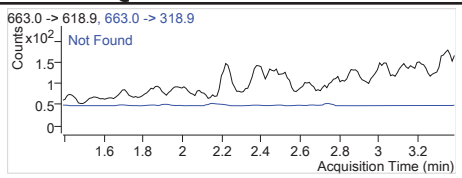
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



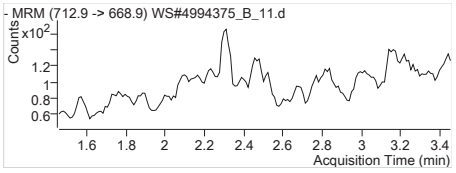


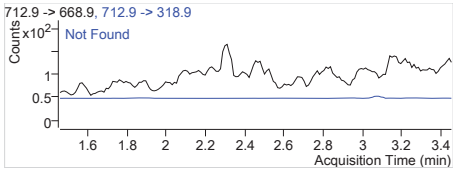
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



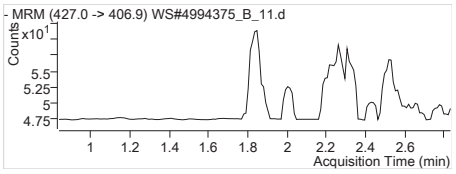


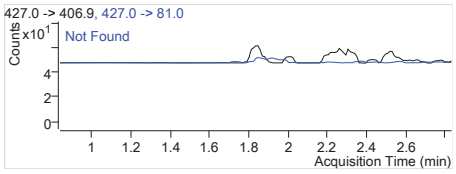
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



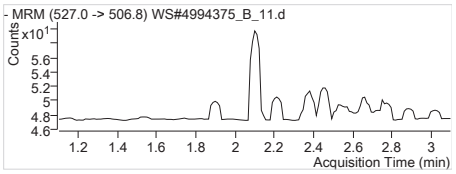


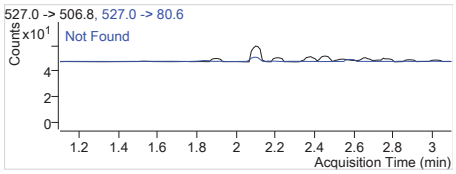
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



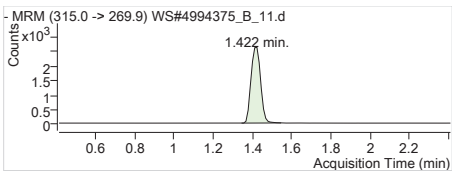


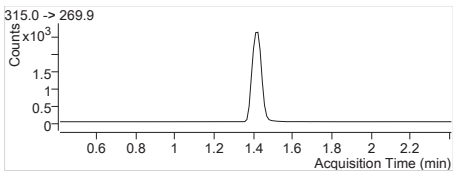
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



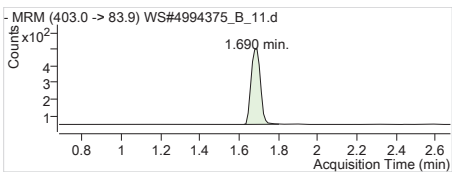


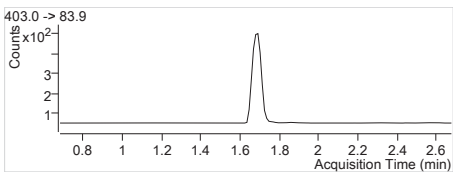
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



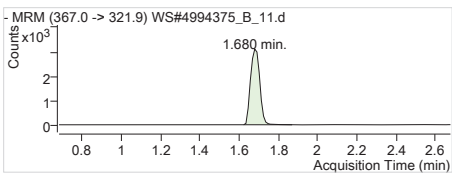


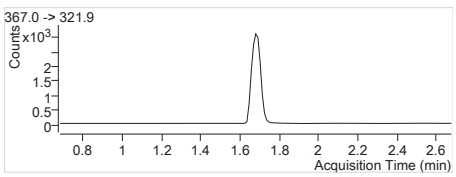
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 103.37 µg/Kg
Area ratio: 0.21466
Sample type: Sample



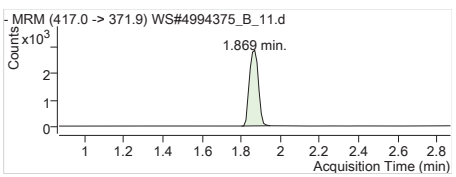


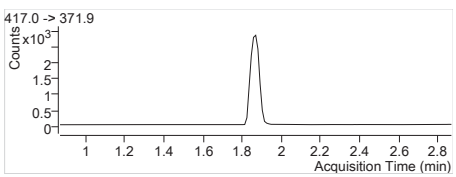
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 103.97 µg/Kg
Area ratio: 0.03645
Sample type: Sample



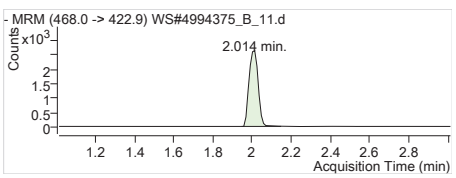


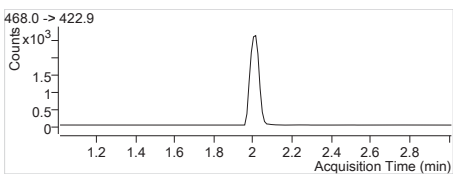
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 110.71 µg/Kg
Area ratio: 0.24353
Sample type: Sample



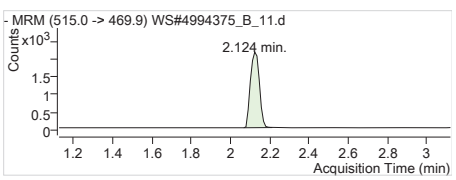


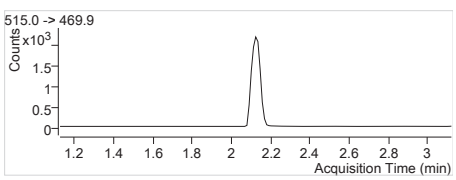
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 106.55 µg/Kg
Area ratio: 0.21951
Sample type: Sample



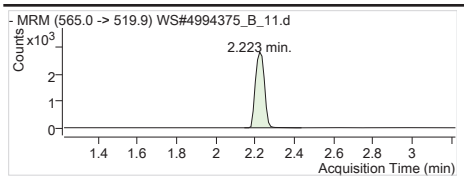


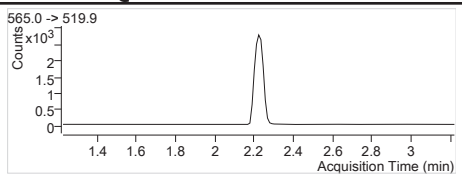
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 100.56 µg/Kg
Area ratio: 0.20335
Sample type: Sample



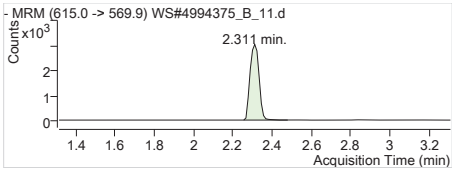


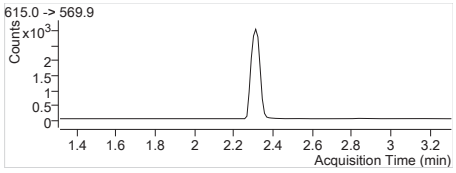
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 92.80 µg/Kg
Area ratio: 0.19284
Sample type: Sample



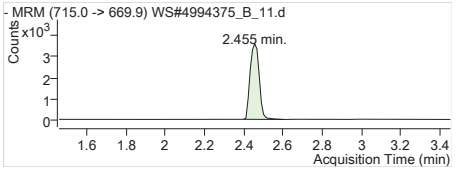


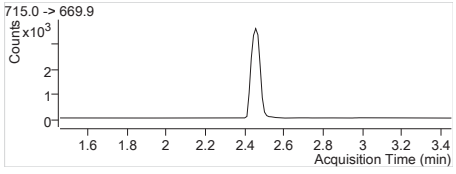
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 105.27 µg/Kg
Area ratio: 0.24396
Sample type: Sample



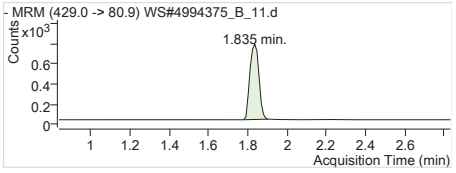


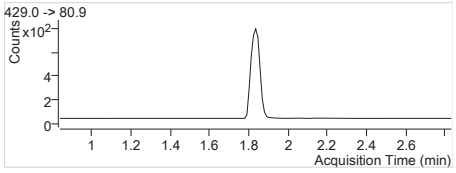
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 104.78 µg/Kg
Area ratio: 0.26917
Sample type: Sample



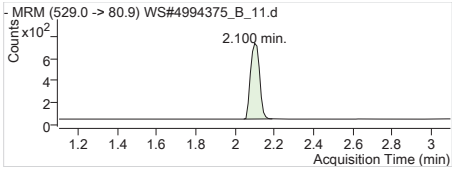


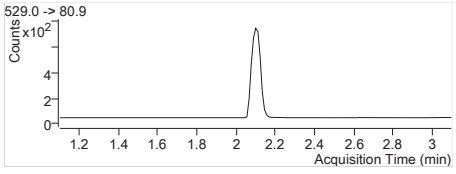
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 97.21 µg/Kg
Area ratio: 0.31960
Sample type: Sample



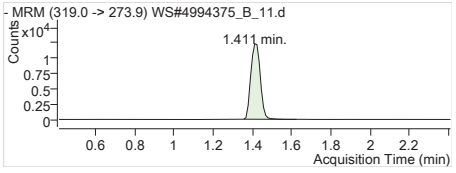


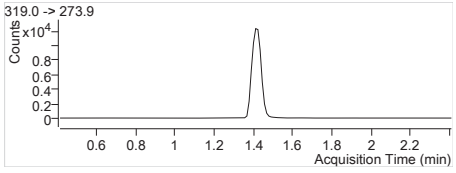
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 111.20 µg/Kg
Area ratio: 0.05783
Sample type: Sample



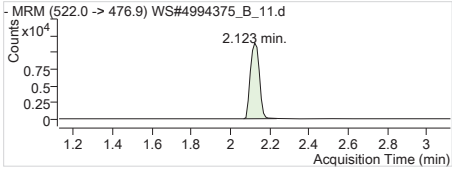


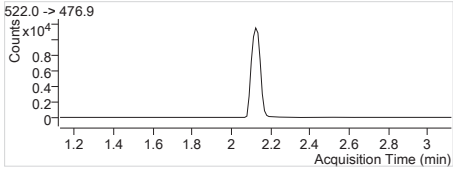
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 106.98 µg/Kg
Area ratio: 0.05431
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 109.97 µg/Kg
Area ratio: 0
Sample type: Sample





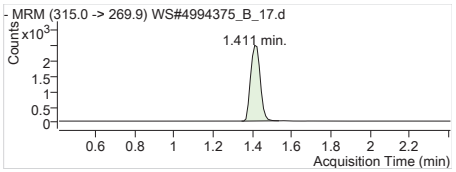
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 114.48 µg/Kg
Area ratio: 0
Sample type: Sample

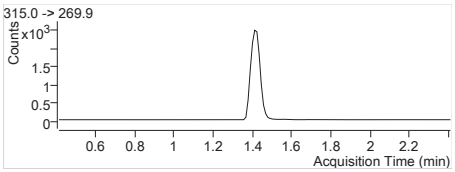
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**IB**	**Instrument**	LCMS04
Data File	WS#4994375_B_17.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.333
Acq. Method	PFC_Soil.m	**Position**	P1-A8
Acq. Date	2017/05/30 11:36:54 AM	**Injection Volume**	Per Method
Sample Annotation	-		

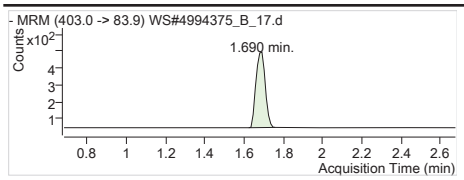
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8376	1.41	1 µg/Kg		
MPFHxS	1468	1.69	1 µg/Kg		
MPFHpA	9680	1.68	1 µg/Kg		
MPFOA	9336	1.87	1 µg/Kg		
MPFNA	8440	2.01	1 µg/Kg		
MPFDA	7469	2.12	1 µg/Kg		
MPFUnA	8409	2.22	1 µg/Kg		
MPFDoA	9518	2.31	1 µg/Kg		
MPFTeDA	11669	2.46	1 µg/Kg		
M2 6:2 FTS	2386	1.84	1 µg/Kg		
M2 8:2 FTS	2475	2.10	1 µg/Kg		
13C6-PFHxA IS	41002	1.41	1 µg/Kg		
13C9-PFDA IS	36688	2.12	1 µg/Kg		

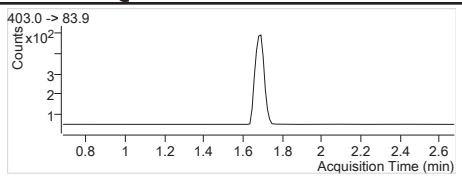
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1	227	2.44	-	0.00 µg/Kg	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8376	1.41	-	98.38 µg/Kg	-
18O2-PFHxS	1468	1.69	-	102.14 µg/Kg	-
13C4-PFHpA	9680	1.68	-	107.33 µg/Kg	-
13C4-PFOA	9336	1.87	-	110.52 µg/Kg	-
13C5-PFNA	8440	2.01	-	101.80 µg/Kg	-
13C2-PFDA	7469	2.12	-	97.97 µg/Kg	-
13C2-PFUnA	8434	2.22	-	99.19 µg/Kg	-
13C2-PFDoA	9518	2.31	-	100.98 µg/Kg	-
13C2-PFTeDA	11669	2.46	-	96.74 µg/Kg	-
13C2-6:2-FTS	2386	1.84	-	111.91 µg/Kg	-
13C2-8:2 FTS	2475	2.10	-	118.91 µg/Kg	-
13C6-PFHxA	41002	1.41	-	109.41 µg/Kg	-
13C9-PFDA	36621	2.12	-	115.55 µg/Kg	-



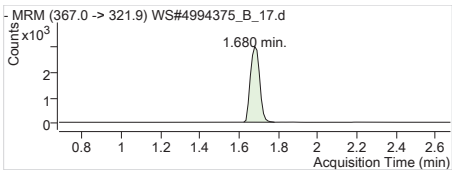


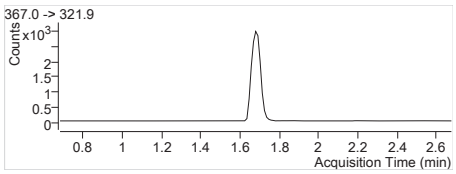
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



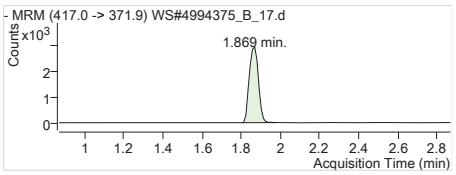


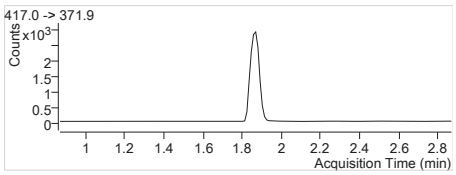
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



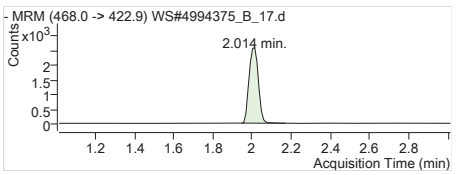


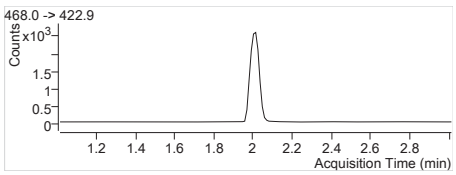
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



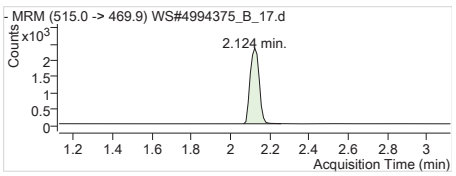


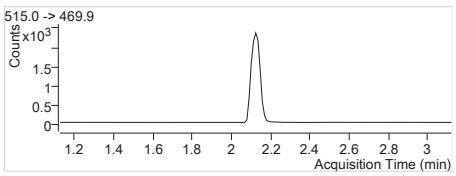
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



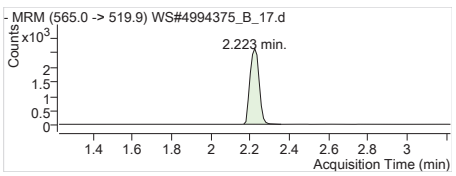


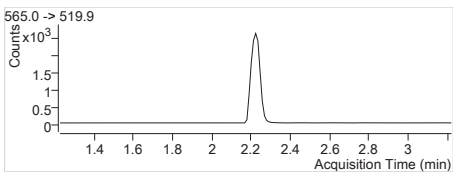
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



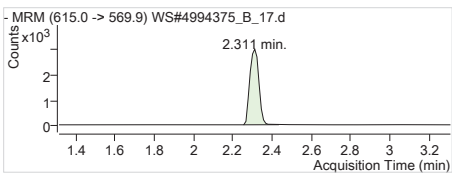


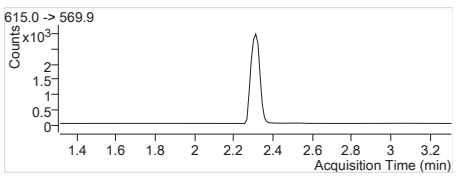
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



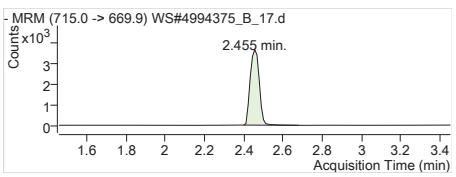


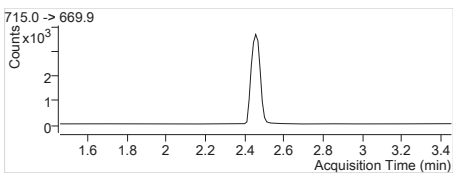
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



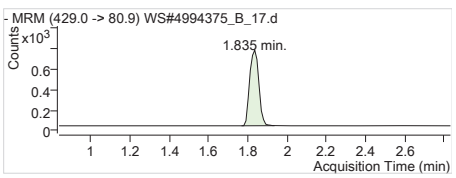


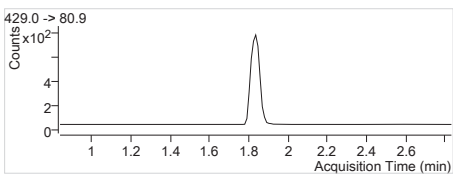
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



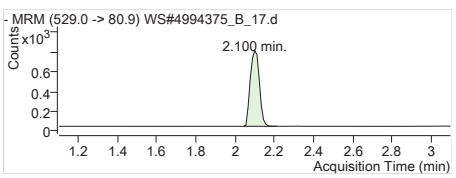


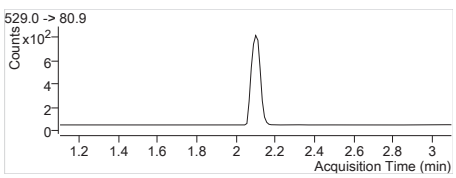
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



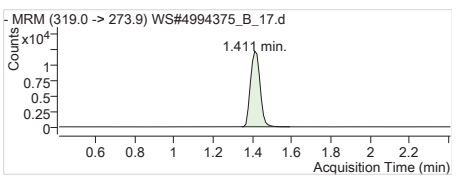


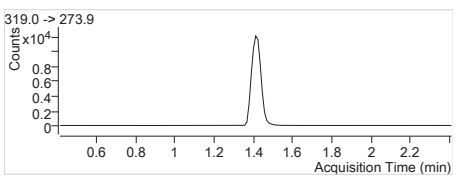
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



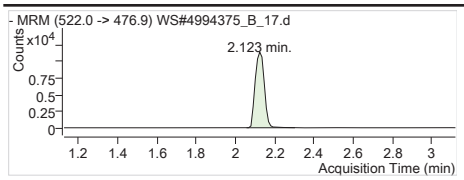


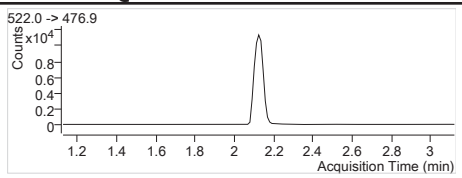
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



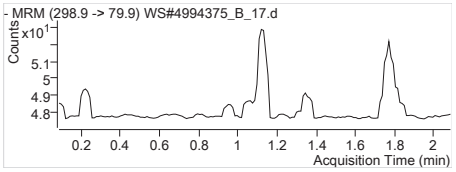


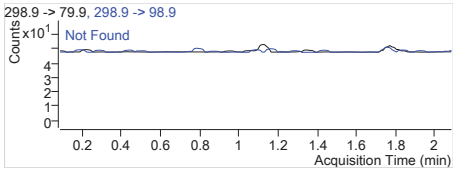
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



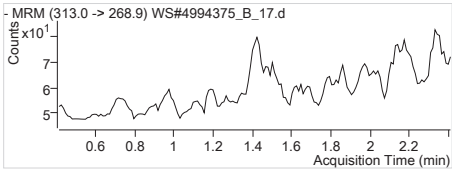


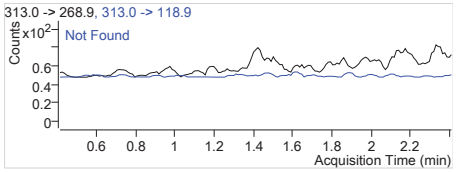
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



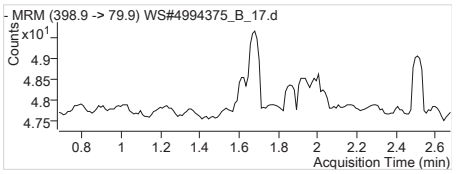


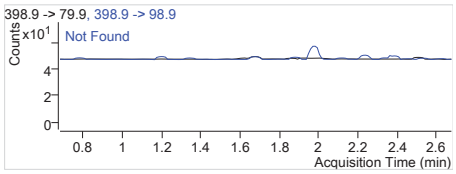
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



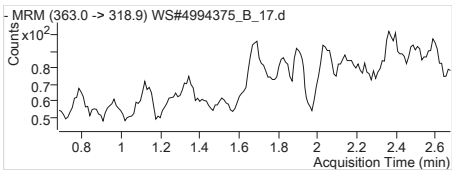


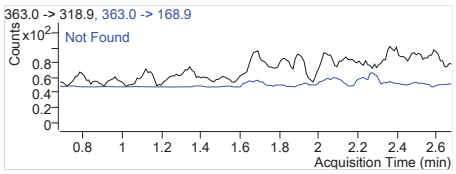
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



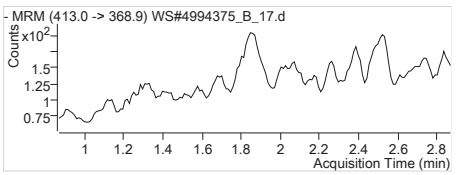


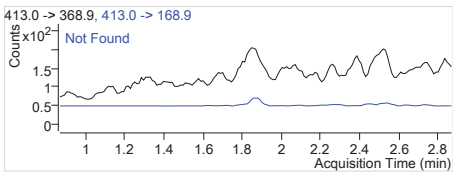
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.679)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



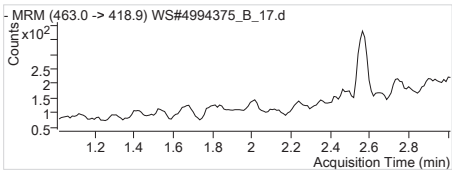


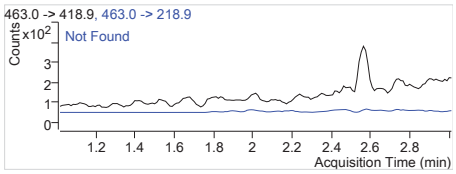
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



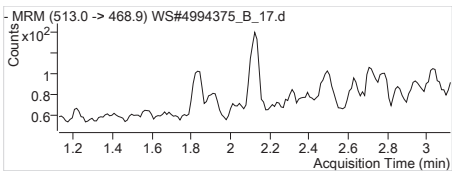


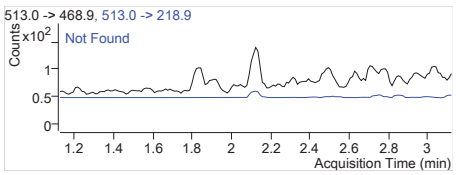
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



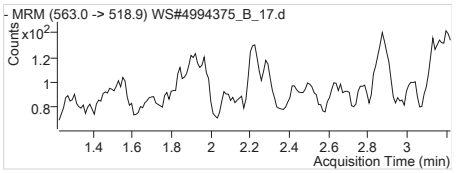


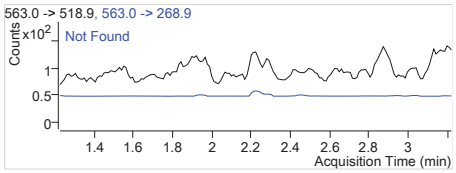
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



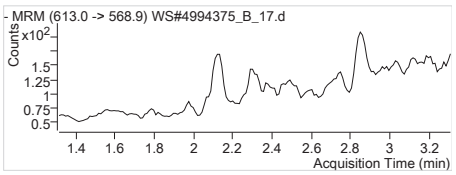


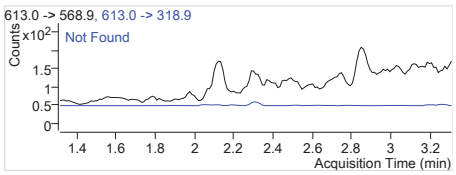
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



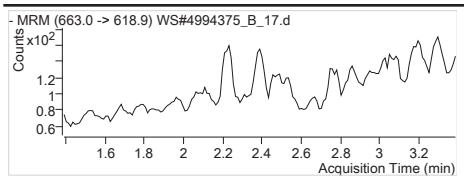


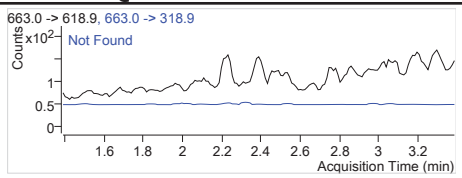
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



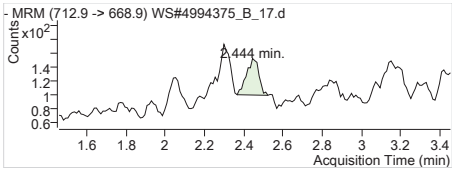


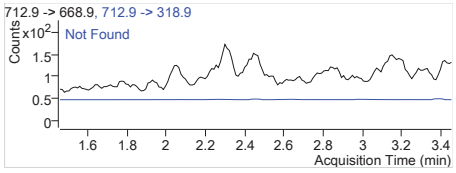
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



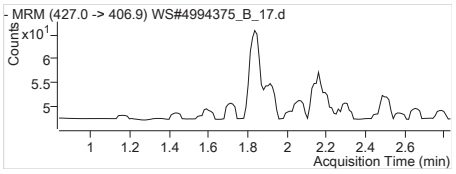


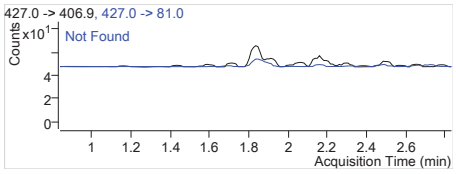
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



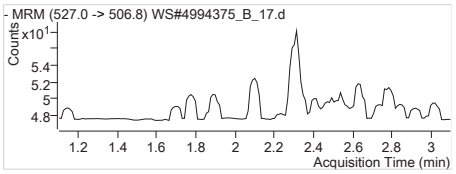


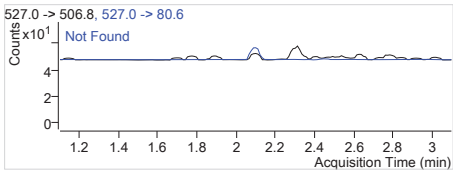
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.444 (2.456)
Calc. conc. 0.00 µg/Kg
Area ratio: 0.01945
Sample type: Sample



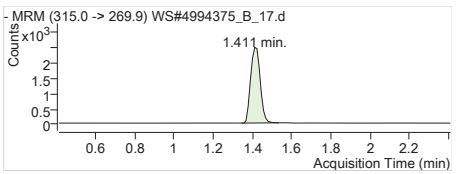


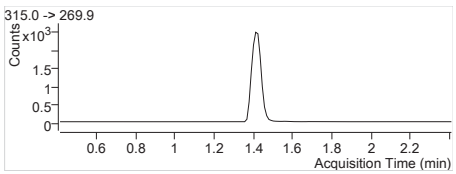
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



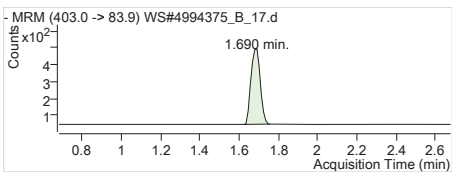


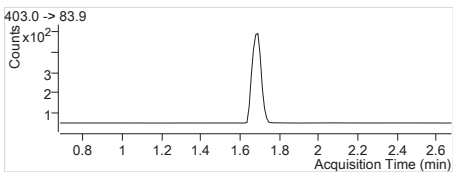
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



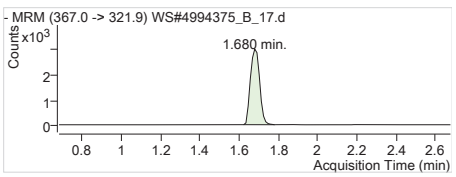


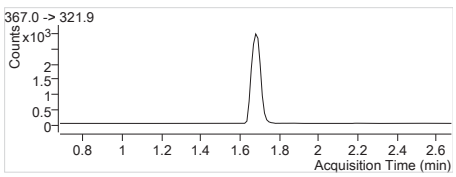
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 98.38 µg/Kg
Area ratio: 0.20428
Sample type: Sample



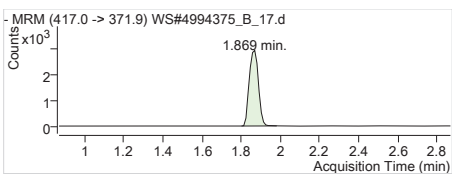


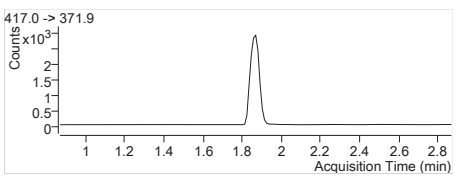
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 102.14 µg/Kg
Area ratio: 0.03580
Sample type: Sample



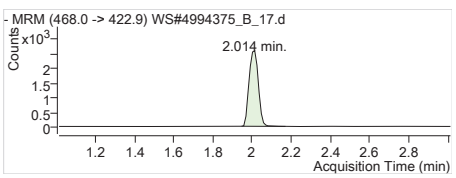


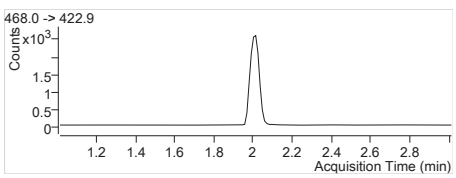
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 107.33 µg/Kg
Area ratio: 0.23609
Sample type: Sample



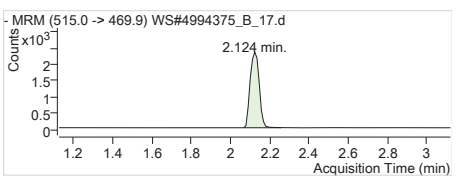


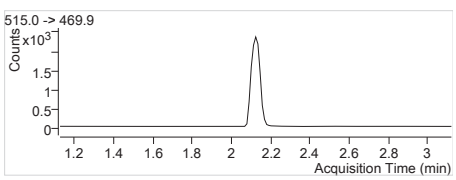
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 110.52 µg/Kg
Area ratio: 0.22770
Sample type: Sample



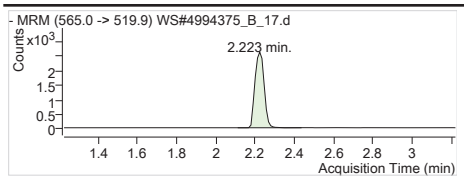


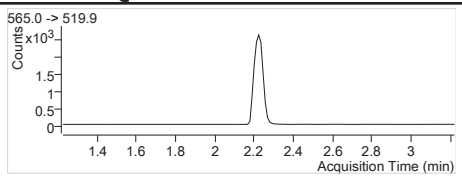
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 101.80 µg/Kg
Area ratio: 0.20584
Sample type: Sample



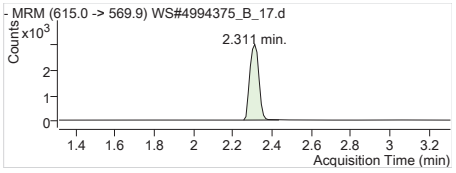


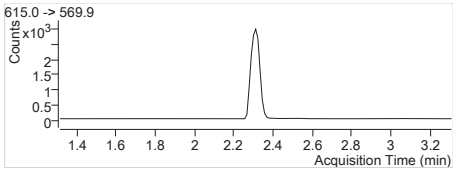
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 97.97 µg/Kg
Area ratio: 0.20358
Sample type: Sample



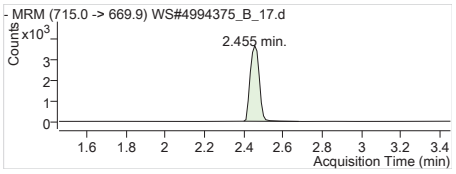


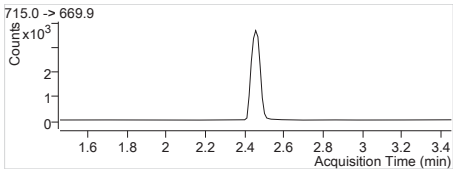
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 99.19 µg/Kg
Area ratio: 0.22988
Sample type: Sample



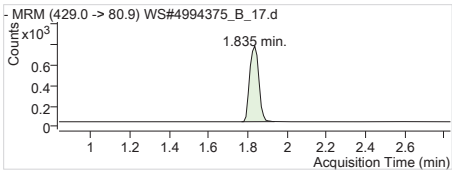


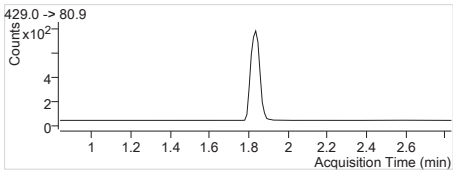
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 100.98 µg/Kg
Area ratio: 0.25943
Sample type: Sample



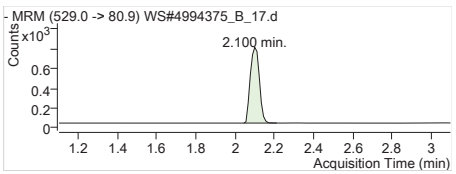


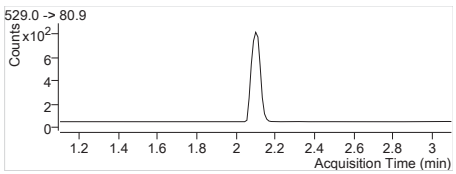
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 96.74 µg/Kg
Area ratio: 0.31806
Sample type: Sample



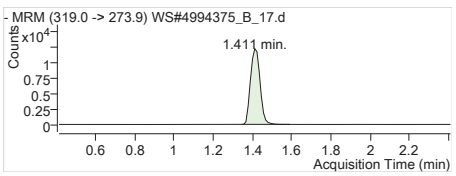


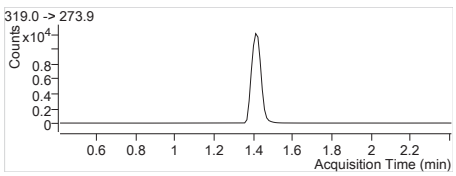
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 111.91 µg/Kg
Area ratio: 0.05819
Sample type: Sample



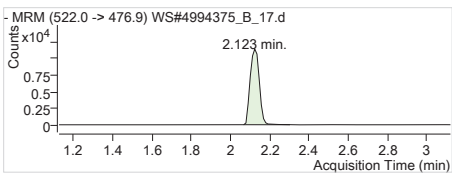


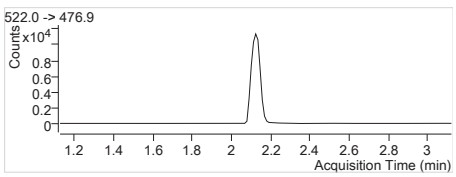
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 118.91 µg/Kg
Area ratio: 0.06036
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 109.41 µg/Kg
Area ratio: 0
Sample type: Sample





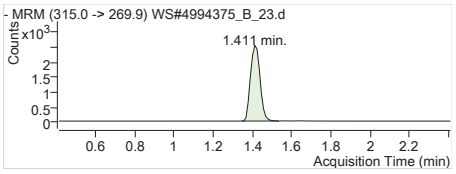
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 115.55 µg/Kg
Area ratio: 0
Sample type: Sample

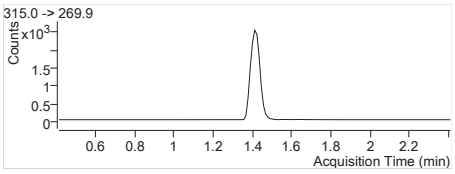
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**IB**	**Instrument**	LCMS04
Data File	WS#4994375_B_23.d	**Operator**	AD
Sample Type	Sample	**Dilution**	1.333
Acq. Method	PFC_Soil.m	**Position**	P1-A8
Acq. Date	2017/05/30 12:06:20 PM	**Injection Volume**	Per Method
Sample Annotation	-		

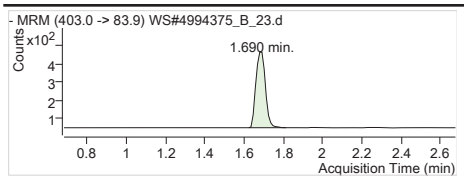
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	8537	1.41	1 µg/Kg		
MPFHxS	1401	1.69	1 µg/Kg		
MPFHpA	9229	1.68	1 µg/Kg		
MPFOA	9062	1.87	1 µg/Kg		
MPFNA	8934	2.00	1 µg/Kg		
MPFDA	7168	2.12	1 µg/Kg		
MPFUnA	8523	2.22	1 µg/Kg		
MPFDoA	9505	2.31	1 µg/Kg		
MPFTeDA	12156	2.46	1 µg/Kg		
M2 6:2 FTS	2181	1.83	1 µg/Kg		
M2 8:2 FTS	2346	2.10	1 µg/Kg		
13C6-PFHxA IS	42215	1.41	1 µg/Kg		
13C9-PFDA IS	35835	2.12	1 µg/Kg		

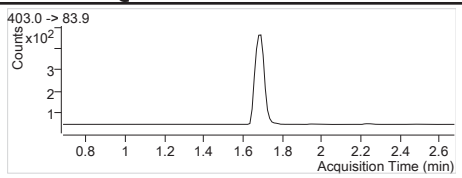
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1			-	ND	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	8537	1.41	-	97.39 µg/Kg	-
18O2-PFHxS	1401	1.69	-	94.67 µg/Kg	-
13C4-PFHpA	9229	1.68	-	99.39 µg/Kg	-
13C4-PFOA	9062	1.87	-	104.20 µg/Kg	-
13C5-PFNA	8934	2.00	-	104.66 µg/Kg	-
13C2-PFDA	7168	2.12	-	96.26 µg/Kg	-
13C2-PFUnA	8522	2.22	-	102.61 µg/Kg	-
13C2-PFDoA	9505	2.31	-	103.25 µg/Kg	-
13C2-PFTeDA	12156	2.46	-	103.18 µg/Kg	-
13C2-6:2-FTS	2181	1.83	-	99.35 µg/Kg	-
13C2-8:2 FTS	2346	2.10	-	109.47 µg/Kg	-
13C6-PFHxA	42215	1.41	-	112.65 µg/Kg	-
13C9-PFDA	35812	2.12	-	113.00 µg/Kg	-



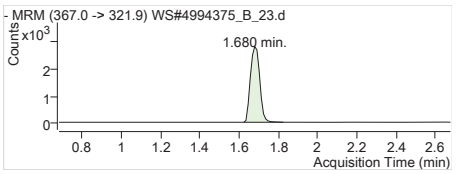


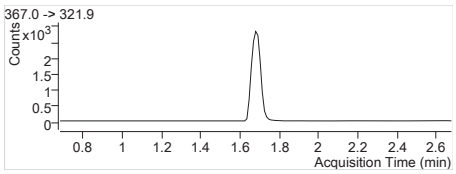
MPFHxA	Internal Standard
RT (Exp. RT):	1.411 (1.411)
Concentration:	1 µg/Kg
Sample type:	Sample



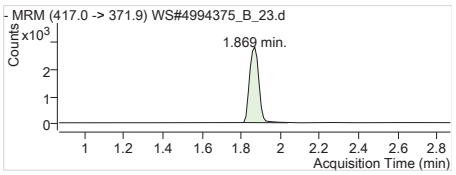


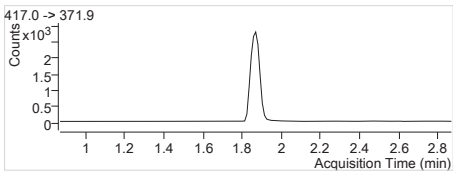
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: Sample



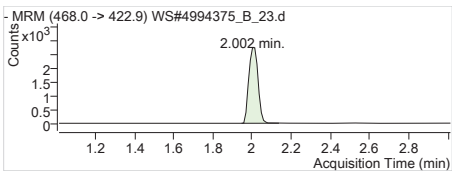


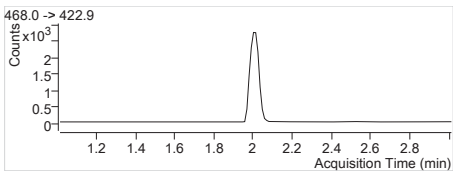
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Sample



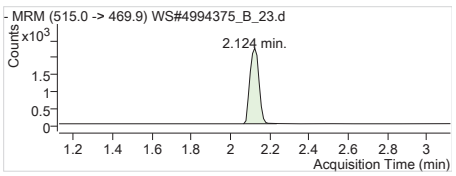


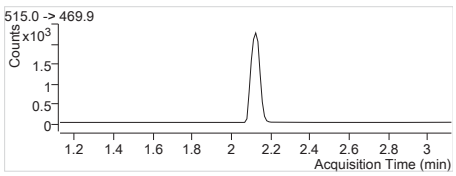
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Sample



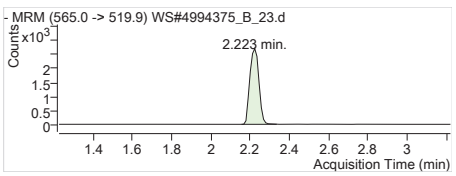


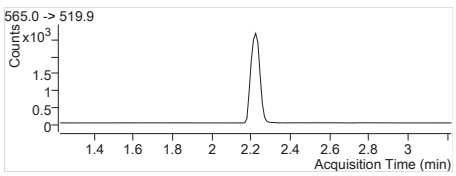
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.014)
Concentration: 1 µg/Kg
Sample type: Sample



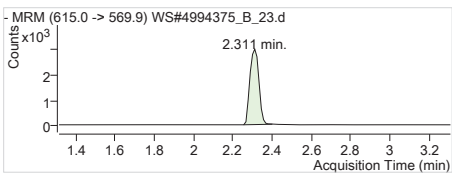


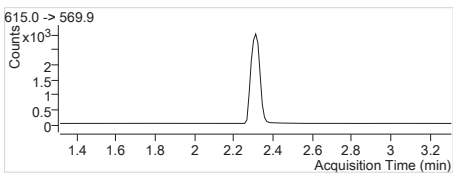
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



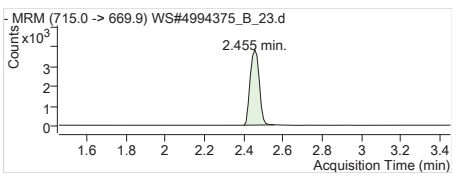


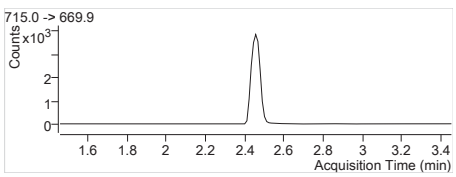
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Sample



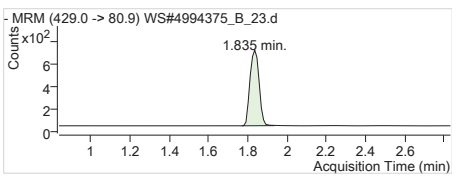


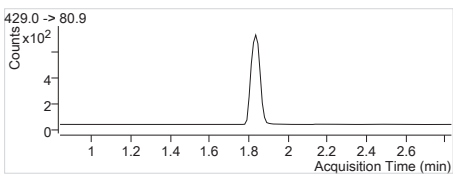
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Sample



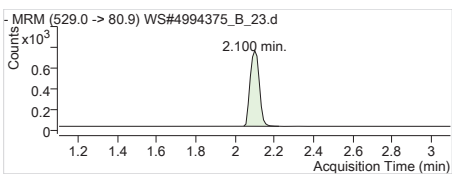


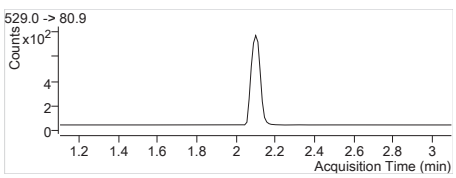
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Sample



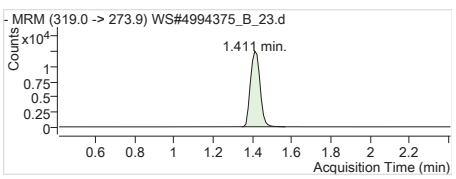


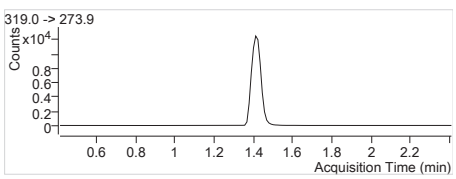
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Sample



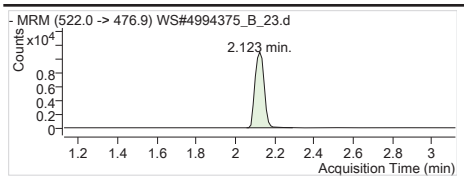


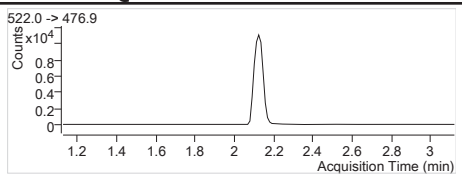
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Sample



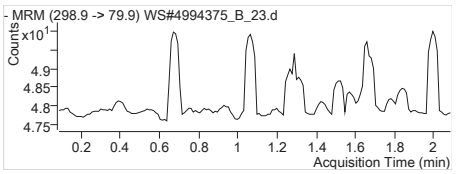


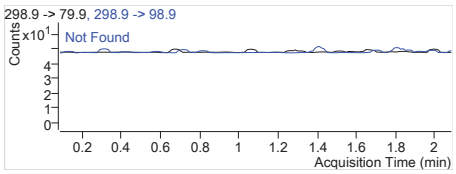
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.411 (1.411)
Concentration: 1 µg/Kg
Sample type: Sample



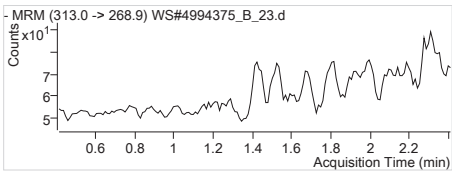


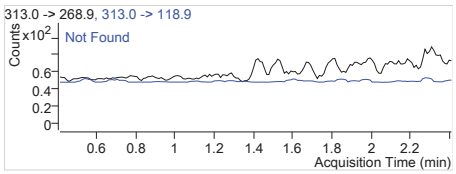
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Sample



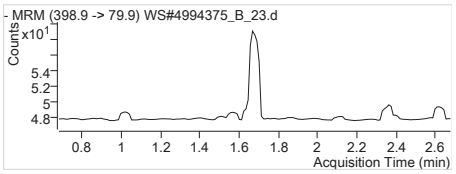


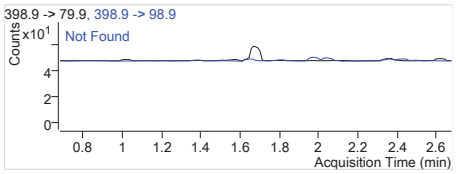
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



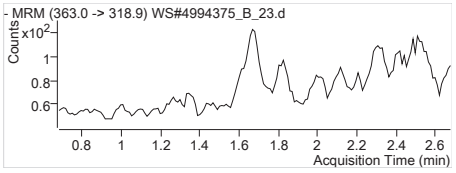


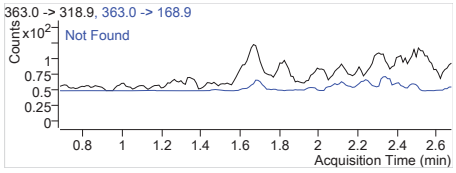
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



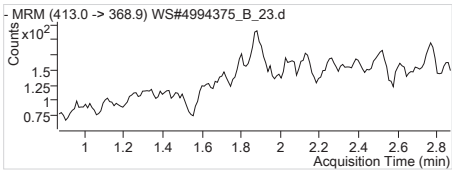


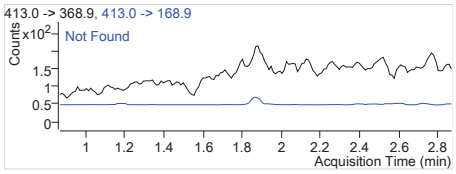
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.679)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



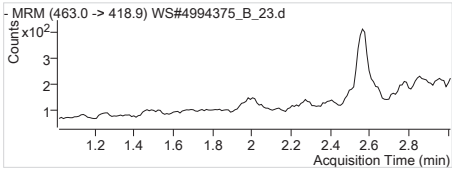


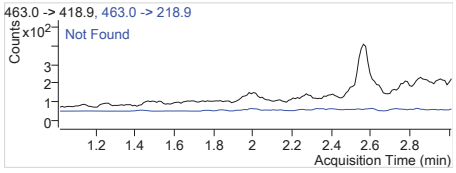
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



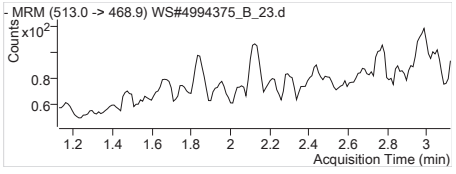


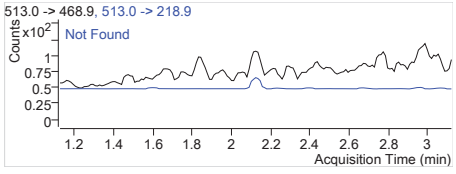
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



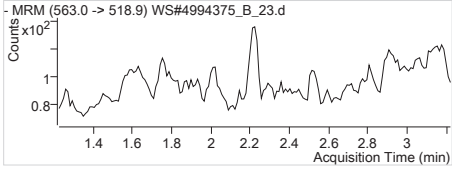


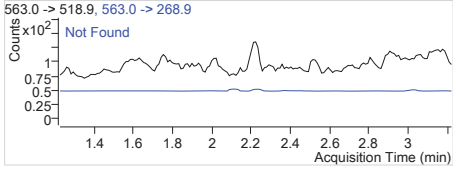
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



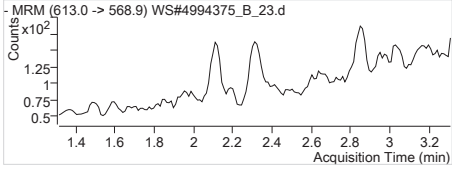


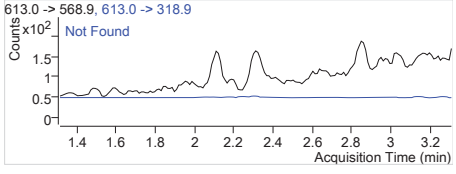
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



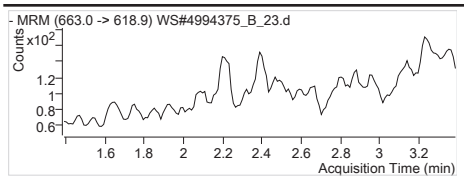


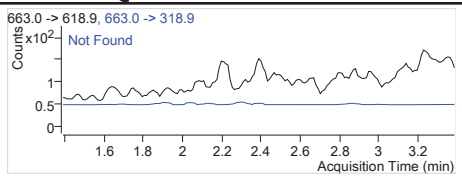
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



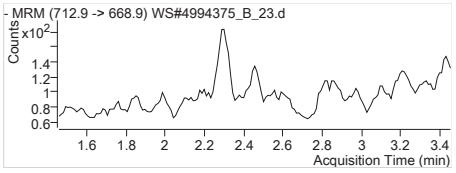


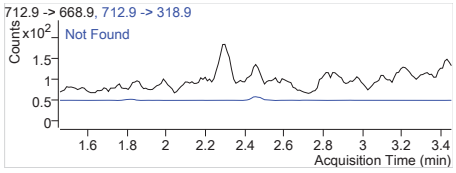
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



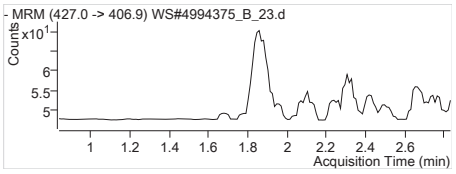


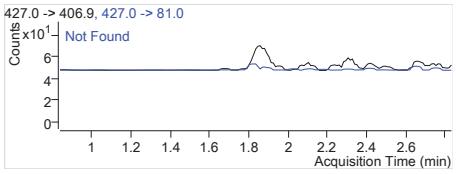
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



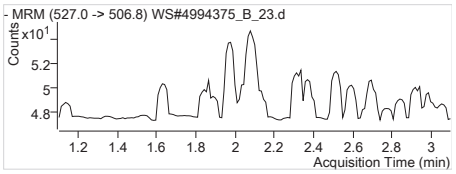


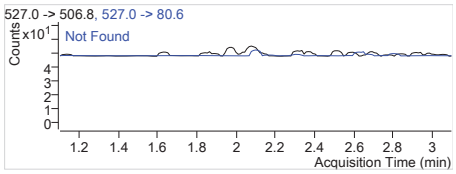
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 0.000 (2.456)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



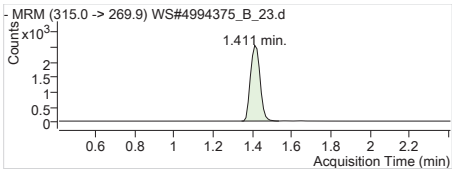


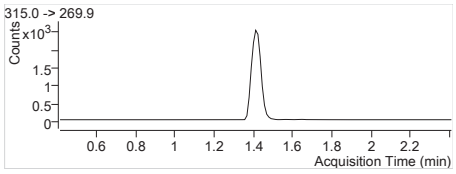
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



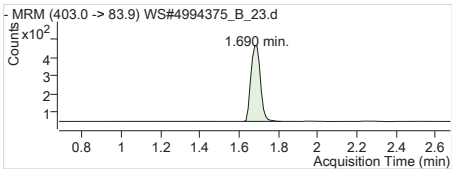


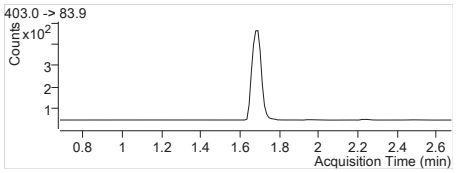
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



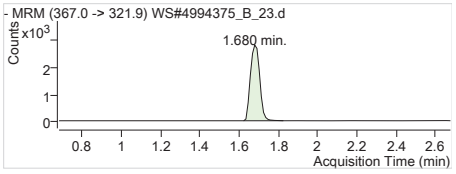


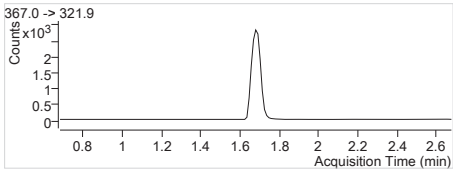
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 97.39 µg/Kg
Area ratio: 0.20223
Sample type: Sample



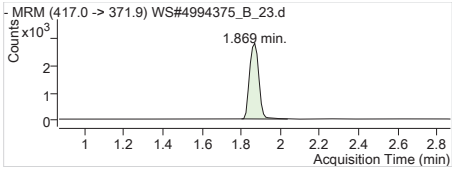


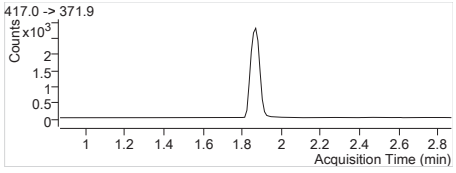
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 94.67 µg/Kg
Area ratio: 0.03319
Sample type: Sample



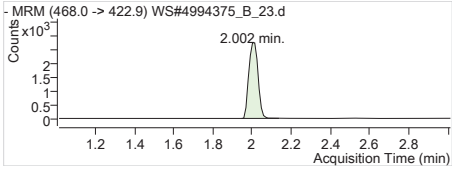


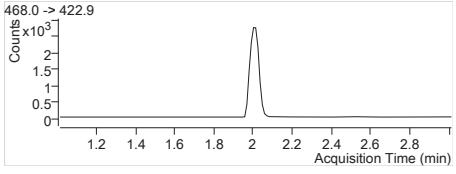
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 99.39 µg/Kg
Area ratio: 0.21862
Sample type: Sample



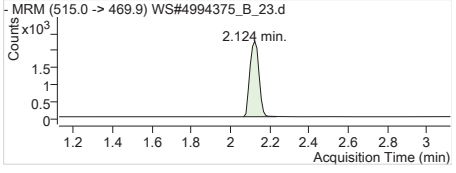


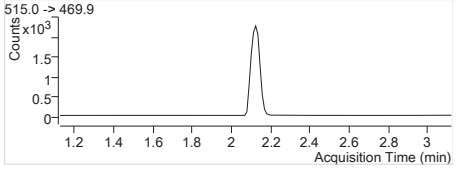
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 104.20 µg/Kg
Area ratio: 0.21466
Sample type: Sample



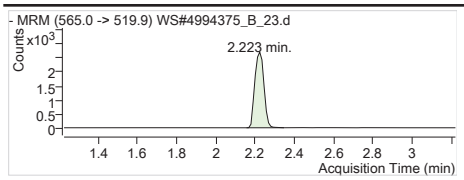


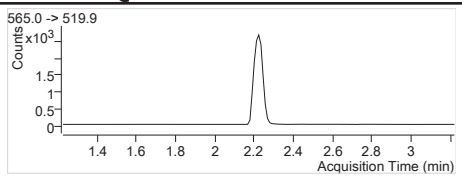
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.014)
Calc. conc. 104.66 µg/Kg
Area ratio: 0.21163
Sample type: Sample



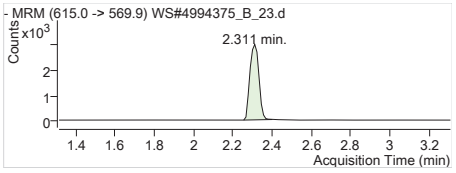


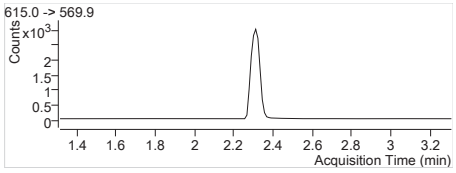
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 96.26 µg/Kg
Area ratio: 0.20003
Sample type: Sample



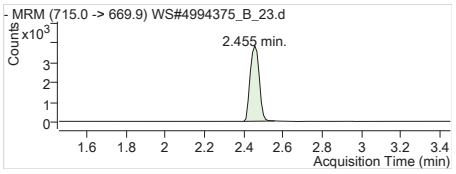


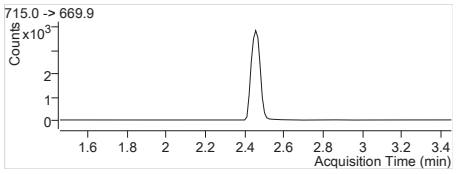
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 102.61 µg/Kg
Area ratio: 0.23781
Sample type: Sample



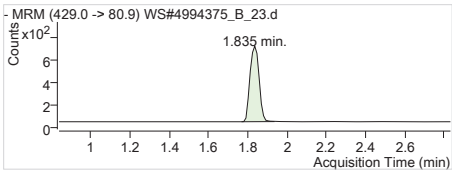


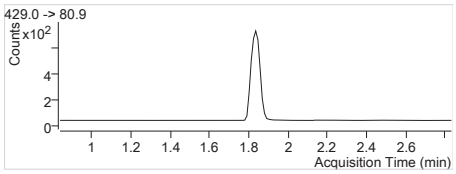
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 103.25 µg/Kg
Area ratio: 0.26524
Sample type: Sample



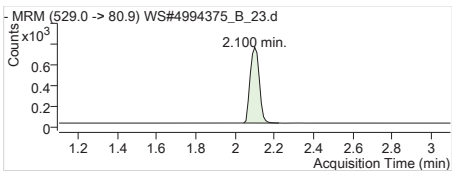


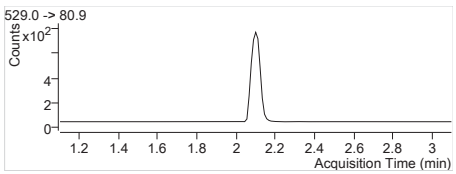
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 103.18 µg/Kg
Area ratio: 0.33922
Sample type: Sample



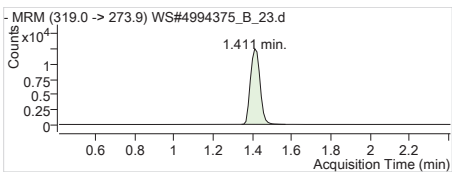


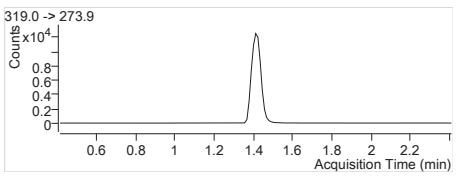
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 99.35 µg/Kg
Area ratio: 0.05166
Sample type: Sample



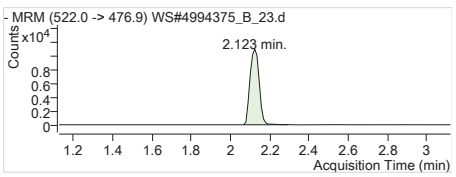


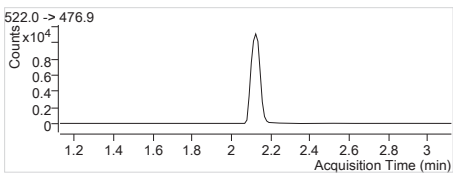
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 109.47 µg/Kg
Area ratio: 0.05557
Sample type: Sample





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.411 (1.411)
Calc. conc. 112.65 µg/Kg
Area ratio: 0
Sample type: Sample





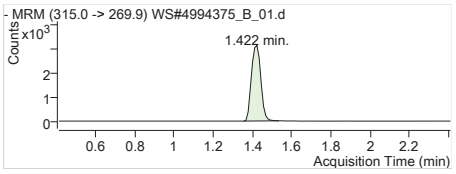
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 113.00 µg/Kg
Area ratio: 0
Sample type: Sample

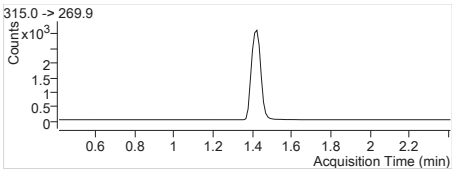
Batch Path T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:BLANK**	**Instrument**	LCMS04
Data File	WS#4994375_B_01.d	**Operator**	AD
Sample Type	Blank	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P1-C2
Acq. Date	2017/05/30 10:18:29 AM	**Injection Volume**	Per Method
Sample Annotation	-		

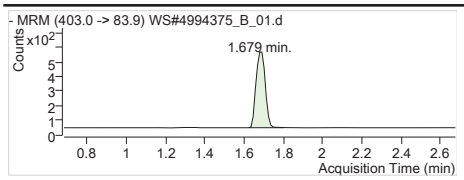
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	10282	1.42	1 µg/Kg		
MPFHxS	1705	1.68	1 µg/Kg		
MPFHpA	11410	1.68	1 µg/Kg		
MPFOA	10789	1.87	1 µg/Kg		
MPFNA	10333	2.00	1 µg/Kg		
MPFDA	8160	2.12	1 µg/Kg		
MPFUnA	8965	2.22	1 µg/Kg		
MPFDoA	10148	2.31	1 µg/Kg		
MPFTeDA	13206	2.46	1 µg/Kg		
M2 6:2 FTS	2583	1.83	1 µg/Kg		
M2 8:2 FTS	2497	2.10	1 µg/Kg		
13C6-PFHxA IS	54145	1.42	1 µg/Kg		
13C9-PFDA IS	47286	2.12	1 µg/Kg		

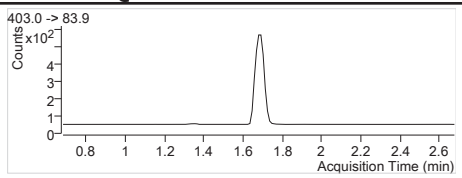
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1			-	ND	-
PFHxA 1			-	ND	-
PFHxS 1			-	ND	-
PFHpA 1			-	ND	-
PFOA 1			-	ND	-
PFNA 1			-	ND	-
PFDA 1			-	ND	-
PFUnA 1			-	ND	-
PFDoA 1			-	ND	-
PFTrDA 1			-	ND	-
PFTeDA 1	611	2.46	-	0.00 µg/Kg	-
6:2-FTS 1			-	ND	-
8:2-FTS 1			-	ND	-
13C2-PFHxA	10282	1.42	-	91.45 µg/Kg	-
18O2-PFHxS	1705	1.68	-	89.83 µg/Kg	-
13C4-PFHpA	11410	1.68	-	95.80 µg/Kg	-
13C4-PFOA	10789	1.87	-	96.72 µg/Kg	-
13C5-PFNA	10333	2.00	-	94.38 µg/Kg	-
13C2-PFDA	8160	2.12	-	83.04 µg/Kg	-
13C2-PFUnA	9133	2.22	-	83.34 µg/Kg	-
13C2-PFDoA	10148	2.31	-	83.54 µg/Kg	-
13C2-PFTeDA	13206	2.46	-	84.95 µg/Kg	-
13C2-6:2-FTS	2583	1.83	-	91.74 µg/Kg	-
13C2-8:2 FTS	2497	2.10	-	90.85 µg/Kg	-
13C6-PFHxA	54145	1.42	-	144.16 µg/Kg	-
13C9-PFDA	48040	2.12	-	151.24 µg/Kg	-



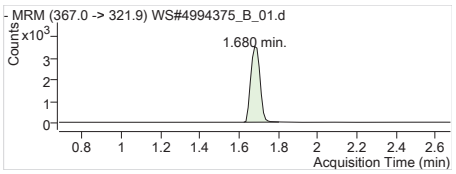


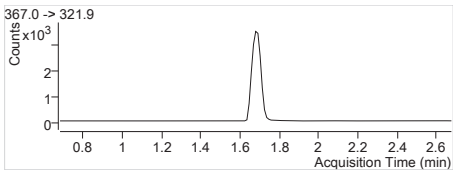
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	Blank



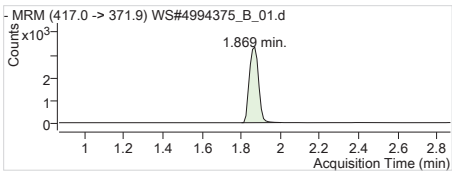


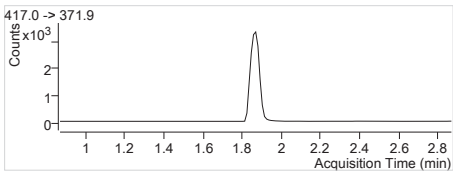
MPFHxS Internal Standard
RT (Exp. RT): 1.679 (1.679)
Concentration: 1 µg/Kg
Sample type: Blank



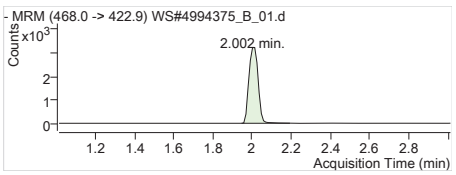


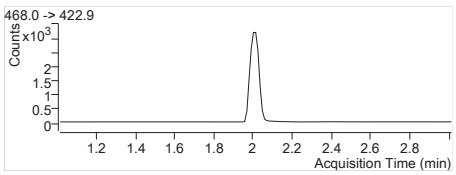
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: Blank



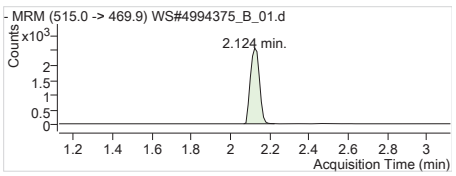


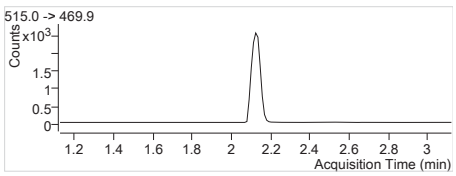
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: Blank



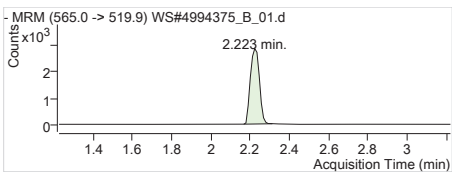


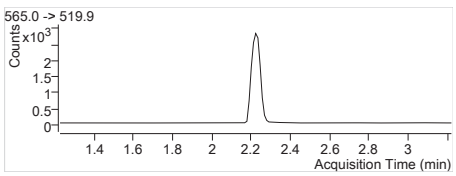
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.014)
Concentration: 1 µg/Kg
Sample type: Blank



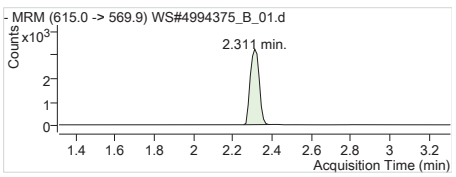


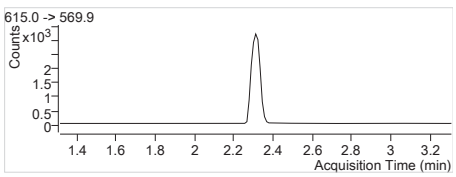
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: Blank



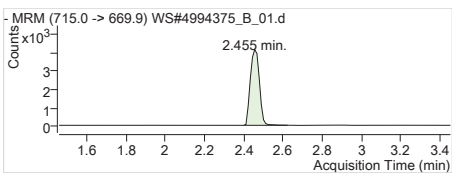


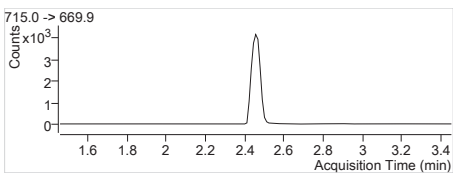
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: Blank



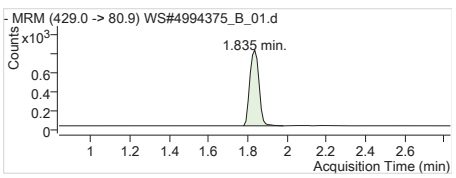


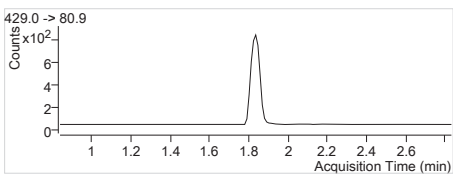
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: Blank



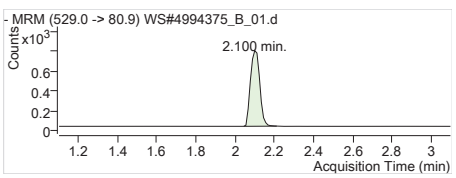


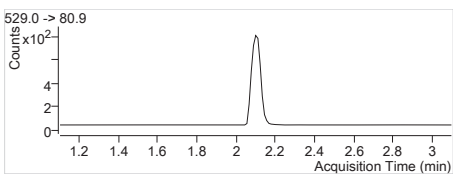
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: Blank



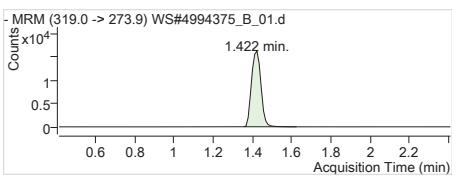


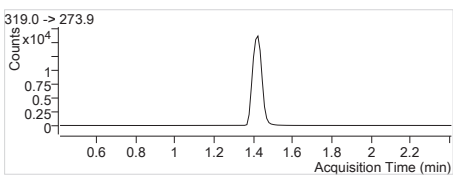
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: Blank



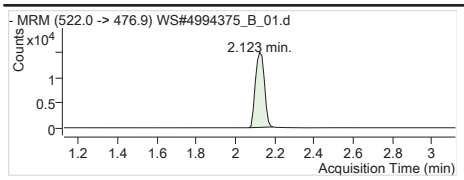


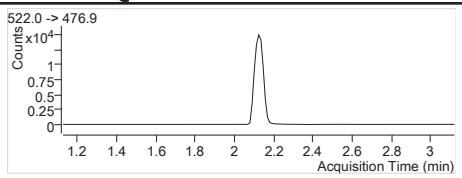
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: Blank



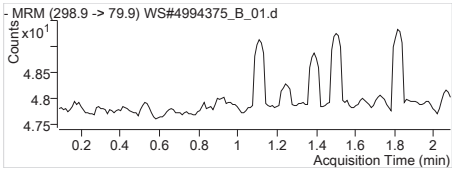


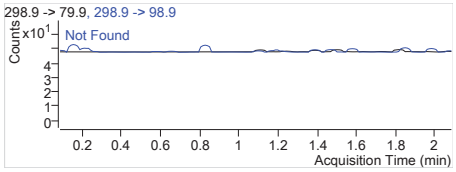
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.411)
Concentration: 1 µg/Kg
Sample type: Blank



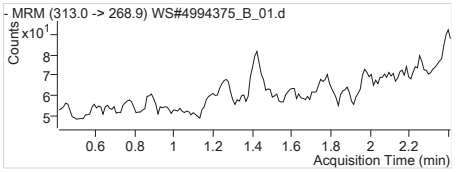


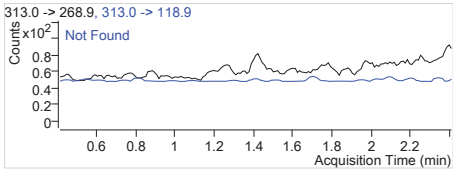
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: Blank



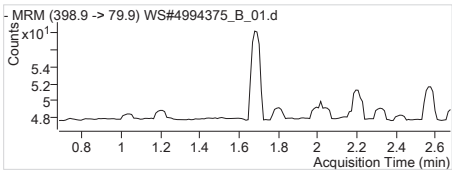


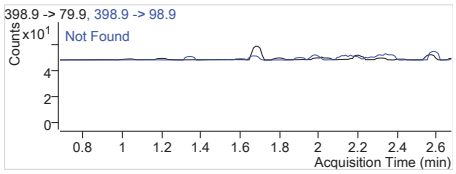
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 0.000 (1.087)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



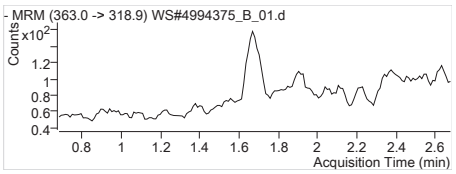


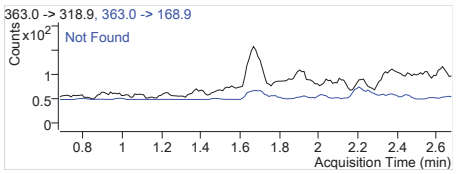
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 0.000 (1.411)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



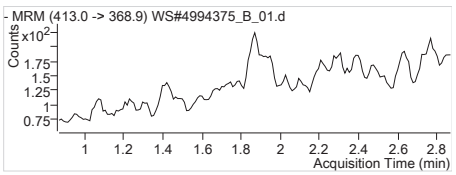


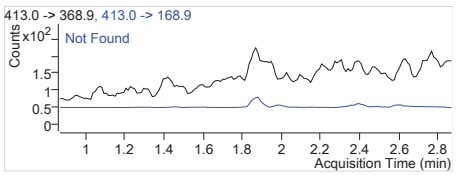
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 0.000 (1.679)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



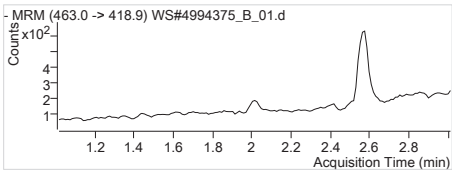


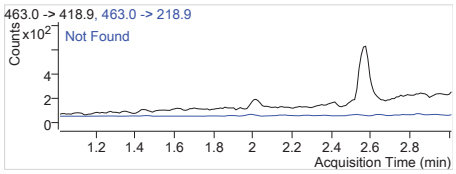
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 0.000 (1.680)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



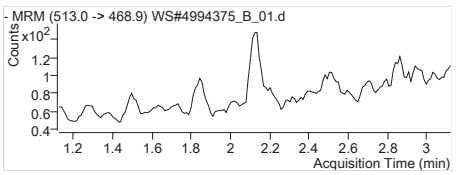


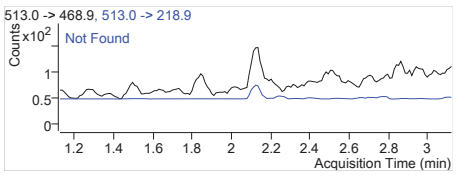
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 0.000 (1.869)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



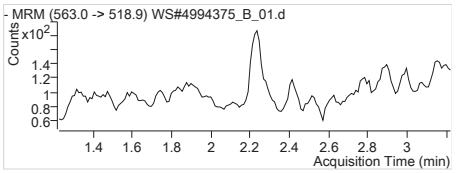


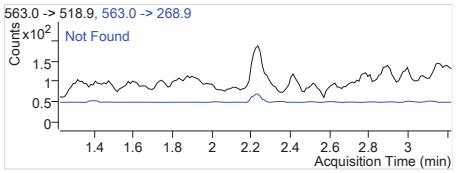
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 0.000 (2.014)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



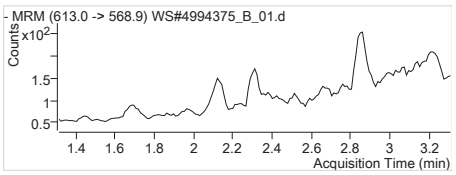


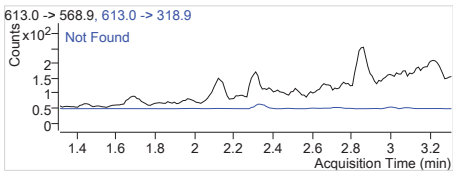
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 0.000 (2.124)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



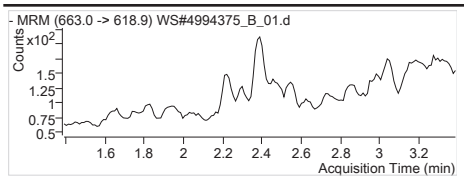


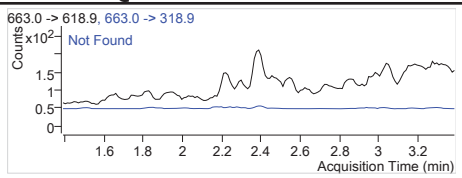
PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 0.000 (2.223)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



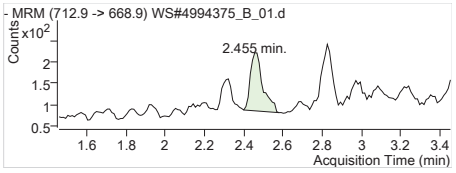


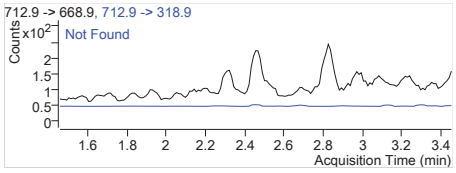
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 0.000 (2.311)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



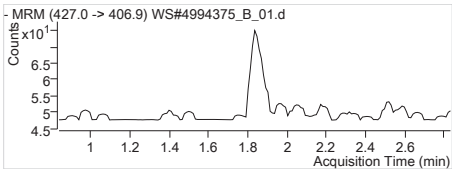


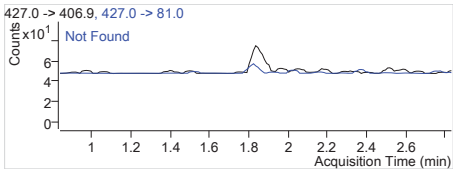
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 0.000 (2.389)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



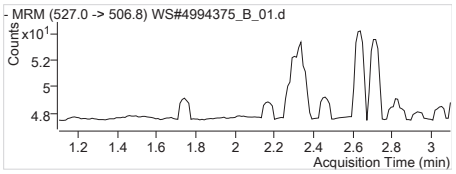


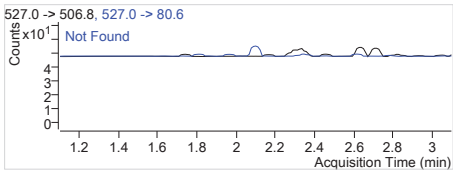
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.456)
Calc. conc. 0.00 µg/Kg
Area ratio: 0.04627
Sample type: Blank



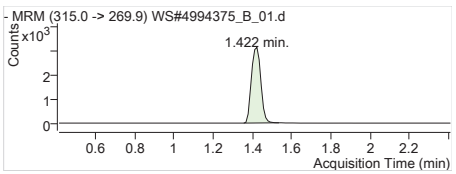


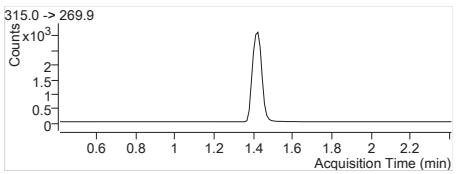
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 0.000 (1.835)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



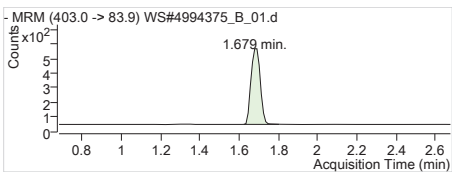


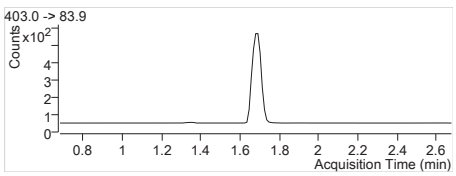
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 0.000 (2.101)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



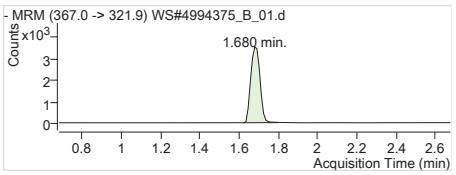


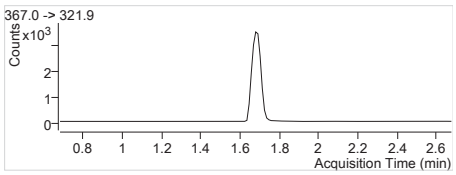
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 91.45 µg/Kg
Area ratio: 0.18990
Sample type: Blank



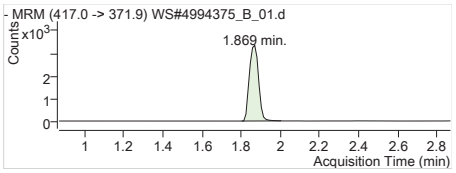


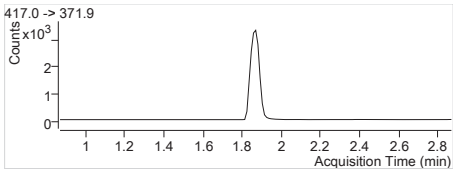
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 89.83 µg/Kg
Area ratio: 0.03149
Sample type: Blank



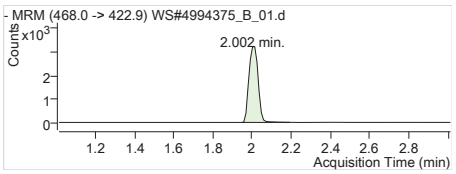


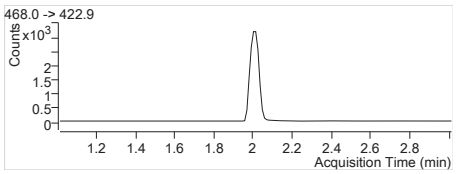
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 95.80 µg/Kg
Area ratio: 0.21073
Sample type: Blank



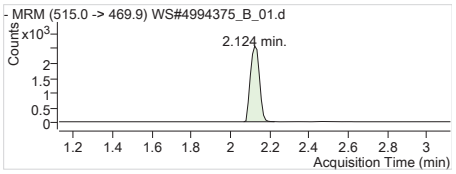


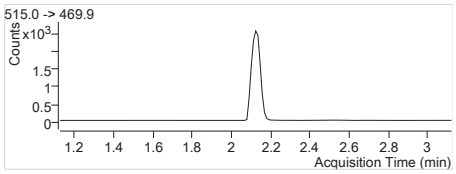
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 96.72 µg/Kg
Area ratio: 0.19926
Sample type: Blank



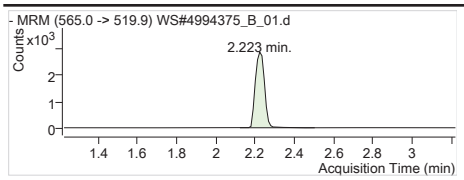


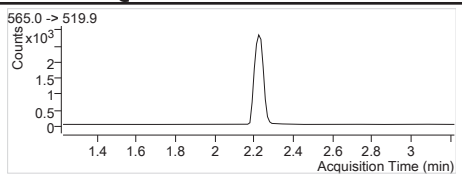
13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.014)
Calc. conc. 94.38 µg/Kg
Area ratio: 0.19084
Sample type: Blank



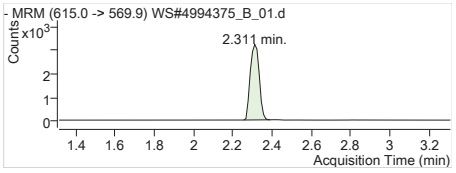


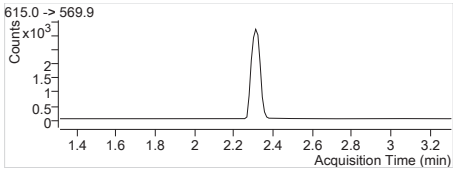
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 83.04 µg/Kg
Area ratio: 0.17257
Sample type: Blank



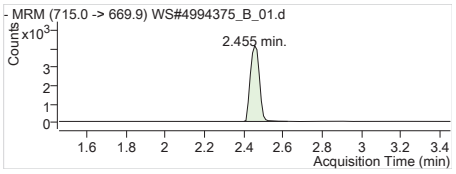


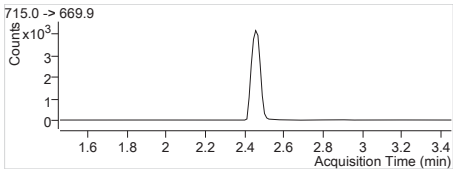
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 83.34 µg/Kg
Area ratio: 0.19314
Sample type: Blank



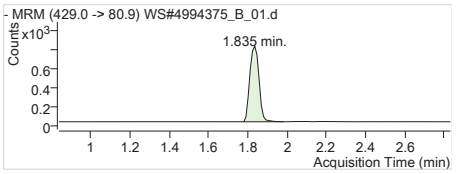


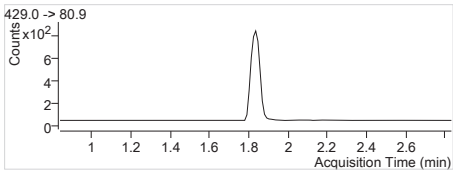
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 83.54 µg/Kg
Area ratio: 0.21461
Sample type: Blank



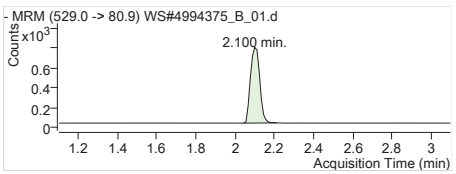


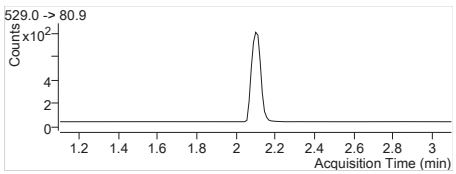
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 84.95 µg/Kg
Area ratio: 0.27928
Sample type: Blank



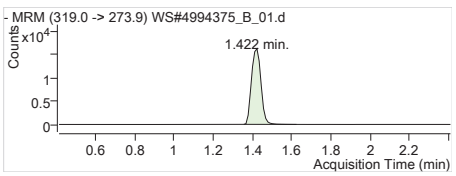


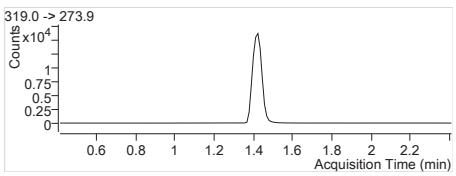
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 91.74 µg/Kg
Area ratio: 0.04771
Sample type: Blank



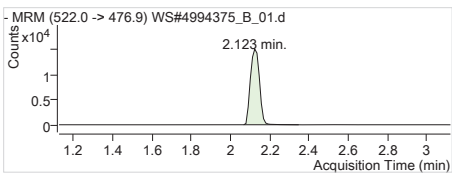


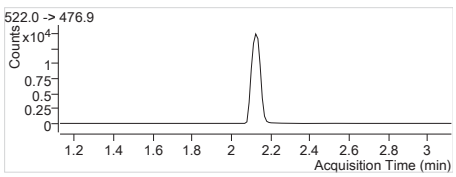
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 90.85 µg/Kg
Area ratio: 0.04612
Sample type: Blank





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 144.16 µg/Kg
Area ratio: 0
Sample type: Blank





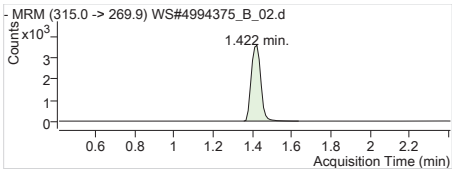
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 151.24 µg/Kg
Area ratio: 0
Sample type: Blank

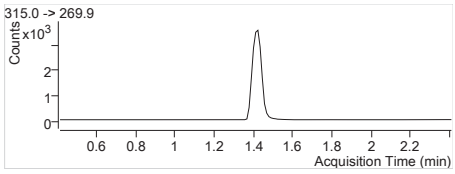
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:SPIKE**	**Instrument**	LCMS04
Data File	WS#4994375_B_02.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.33
Acq. Method	PFC_Soil.m	**Position**	P1-C5
Acq. Date	2017/05/30 10:23:23 AM	**Injection Volume**	Per Method
Sample Annotation	-		

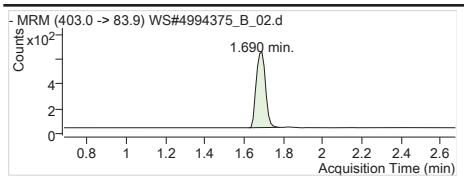
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	11902	1.42	1 µg/Kg		
MPFHxS	1997	1.69	1 µg/Kg		
MPFHpA	12199	1.68	1 µg/Kg		
MPFOA	11783	1.87	1 µg/Kg		
MPFNA	11606	2.01	1 µg/Kg		
MPFDA	9246	2.12	1 µg/Kg		
MPFUnA	9931	2.22	1 µg/Kg		
MPFDoA	10502	2.31	1 µg/Kg		
MPFTeDA	13363	2.46	1 µg/Kg		
M2 6:2 FTS	2768	1.84	1 µg/Kg		
M2 8:2 FTS	2702	2.10	1 µg/Kg		
13C6-PFHxA IS	57148	1.42	1 µg/Kg		
13C9-PFDA IS	48860	2.12	1 µg/Kg		

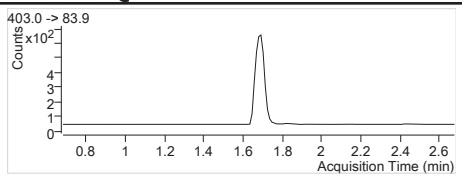
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	24748	1.10	18.80	28.34 µg/Kg	113.35
PFHxA 1	98901	1.42	18.80	27.42 µg/Kg	109.64
PFHxS 1	19330	1.68	18.80	28.70 µg/Kg	114.80
PFHpA 1	114274	1.68	18.80	29.48 µg/Kg	117.90
PFOA 1	106678	1.87	18.80	27.99 µg/Kg	111.94
PFNA 1	91174	2.01	18.80	27.82 µg/Kg	111.28
PFDA 1	91547	2.12	18.80	30.81 µg/Kg	123.20
PFUnA 1	87330	2.22	18.80	29.01 µg/Kg	116.04
PFDoA 1	91436	2.31	18.80	29.33 µg/Kg	117.32
PFTrDA 1	107600	2.39	18.80	28.87 µg/Kg	115.45
PFTeDA 1	104399	2.46	18.80	30.40 µg/Kg	121.59
6:2-FTS 1	22857	1.84	18.80	30.93 µg/Kg	123.72
8:2-FTS 1	20350	2.10	18.80	30.32 µg/Kg	121.28
13C2-PFHxA	11902	1.42	100.00	100.29 µg/Kg	100.29
18O2-PFHxS	1997	1.69	100.00	99.69 µg/Kg	99.69
13C4-PFHpA	12199	1.68	100.00	97.04 µg/Kg	97.04
13C4-PFOA	11783	1.87	100.00	100.08 µg/Kg	100.08
13C5-PFNA	11606	2.01	100.00	100.43 µg/Kg	100.43
13C2-PFDA	9246	2.12	100.00	91.06 µg/Kg	91.06
13C2-PFUnA	10035	2.22	100.00	88.62 µg/Kg	88.62
13C2-PFDoA	10502	2.31	100.00	83.67 µg/Kg	83.67
13C2-PFTeDA	13363	2.46	100.00	83.19 µg/Kg	83.19
13C2-6:2-FTS	2768	1.84	100.00	93.14 µg/Kg	93.14
13C2-8:2 FTS	2702	2.10	100.00	93.14 µg/Kg	93.14
13C6-PFHxA	57148	1.42	100.00	152.15 µg/Kg	114.40
13C9-PFDA	48666	2.12	100.00	153.21 µg/Kg	115.20



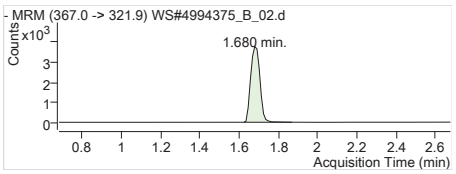


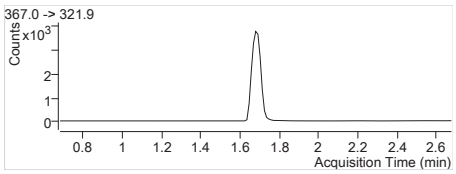
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	QC



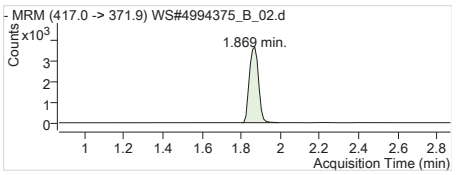


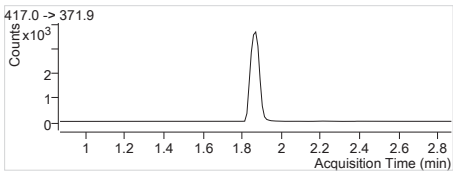
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: QC



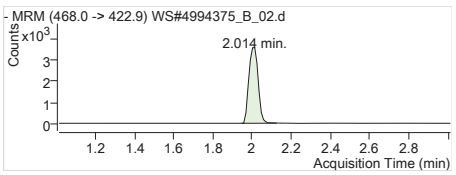


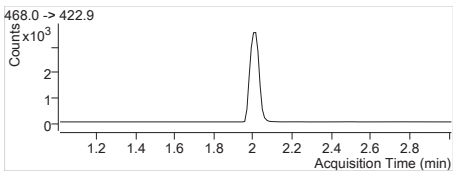
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: QC



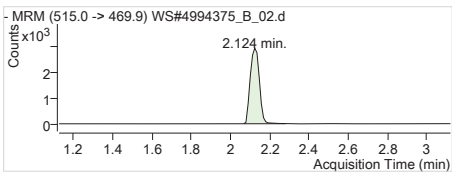


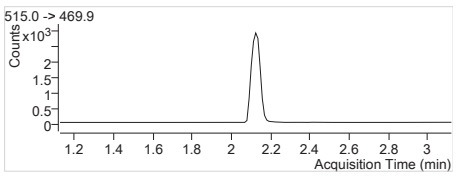
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: QC



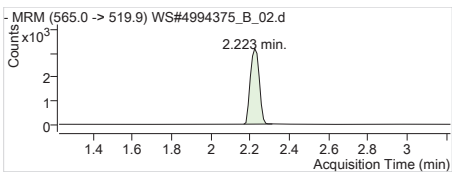


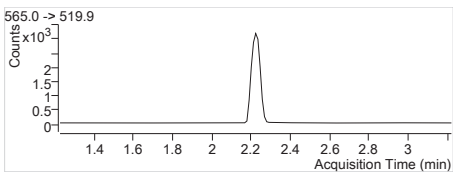
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: QC



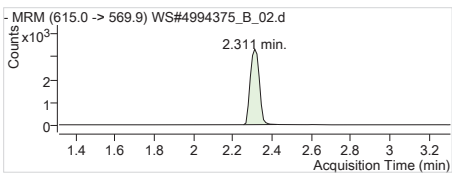


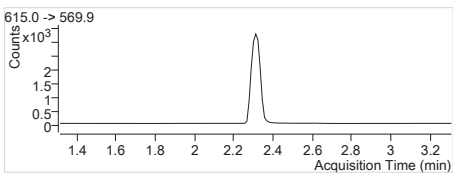
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: QC



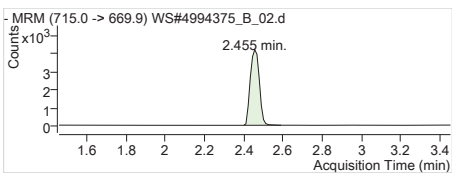


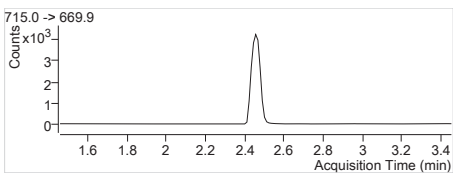
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: QC



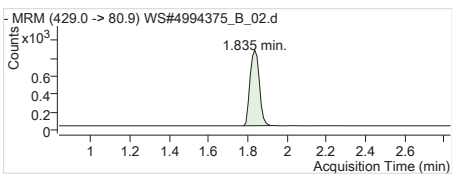


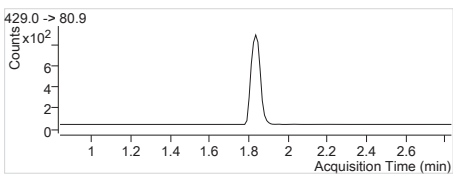
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: QC



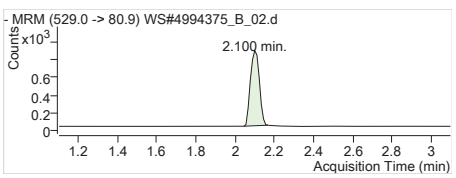


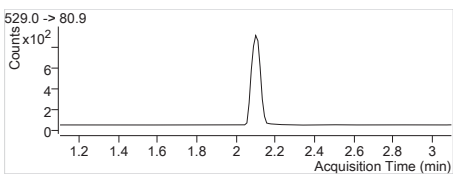
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: QC



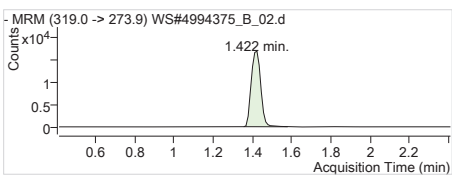


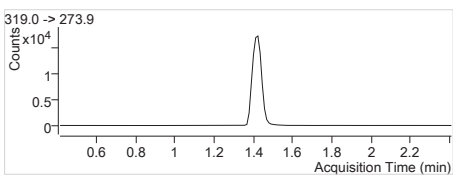
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: QC



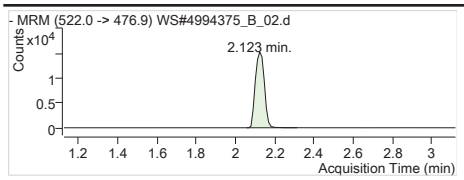


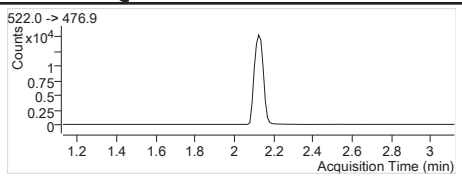
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: QC



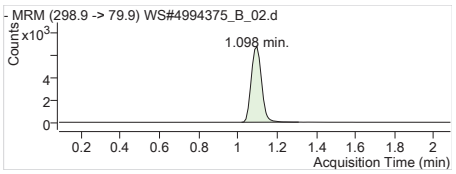


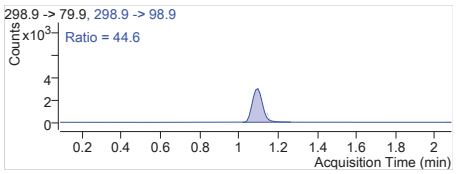
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.411)
Concentration: 1 µg/Kg
Sample type: QC



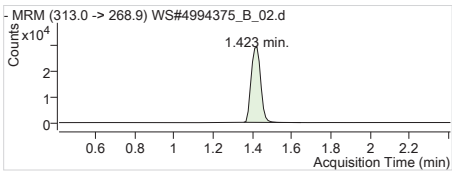


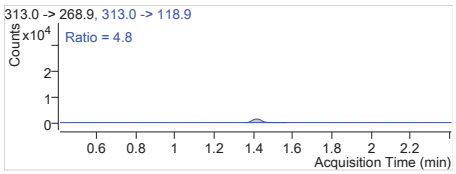
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: QC



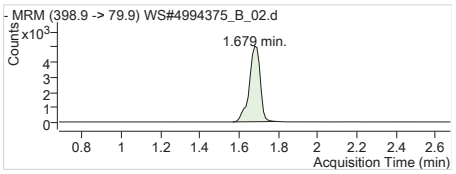


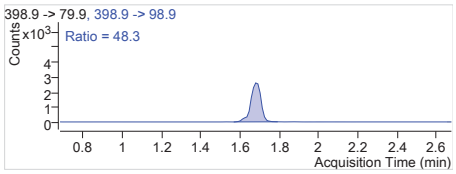
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.087)
Calc. conc. 28.34 µg/Kg
Area ratio: 12.39259
Sample type: QC



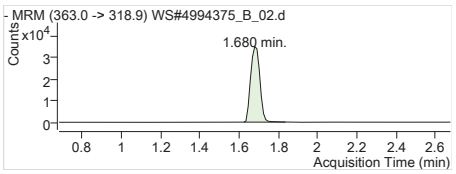


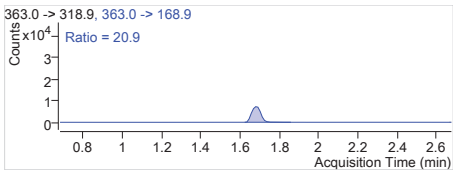
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.423 (1.411)
Calc. conc. 27.42 µg/Kg
Area ratio: 8.30961
Sample type: QC



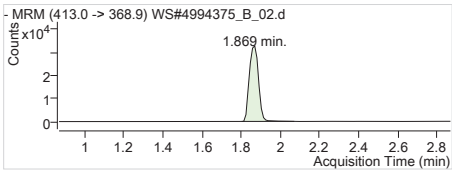


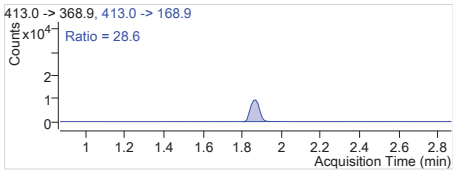
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 28.70 µg/Kg
Area ratio: 9.67952
Sample type: QC



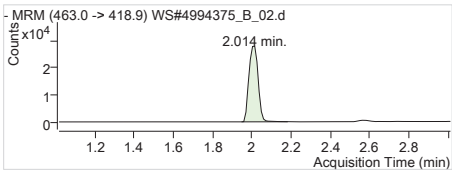


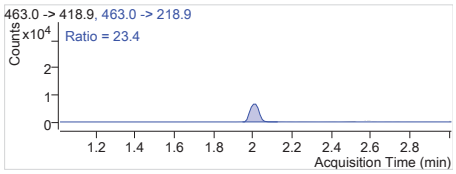
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 29.48 µg/Kg
Area ratio: 9.36749
Sample type: QC



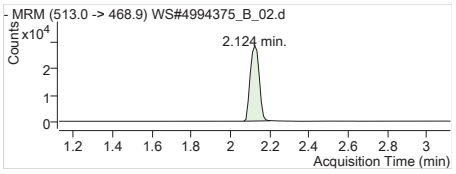


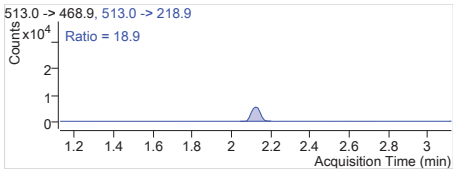
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 27.99 µg/Kg
Area ratio: 9.05355
Sample type: QC



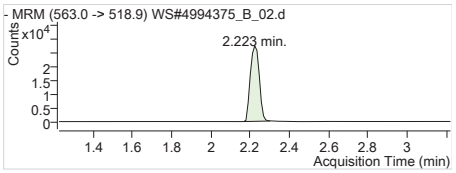


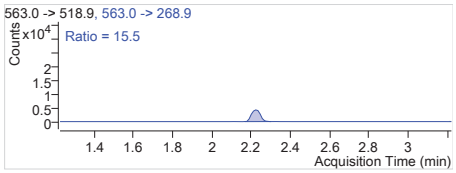
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 27.82 µg/Kg
Area ratio: 7.85576
Sample type: QC



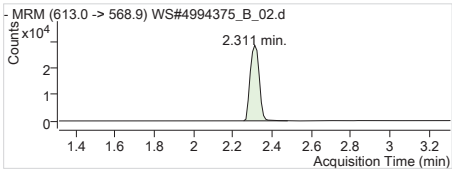


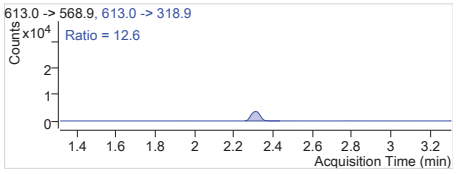
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 30.81 µg/Kg
Area ratio: 9.90125
Sample type: QC



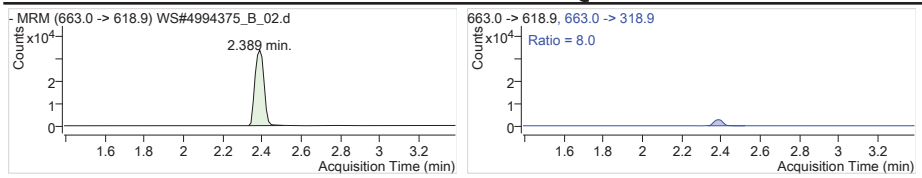


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 29.01 µg/Kg
Area ratio: 8.79368
Sample type: QC

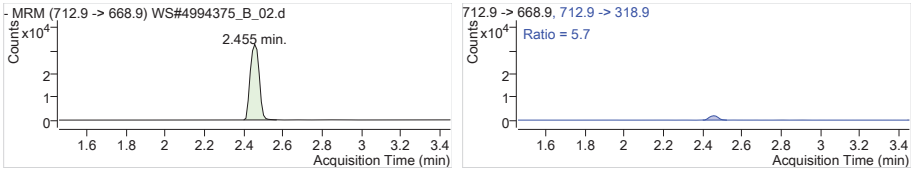




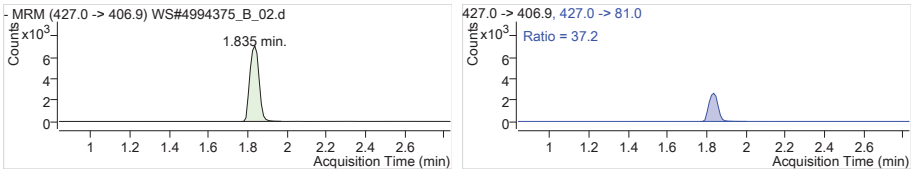
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 29.33 µg/Kg
Area ratio: 8.70653
Sample type: QC



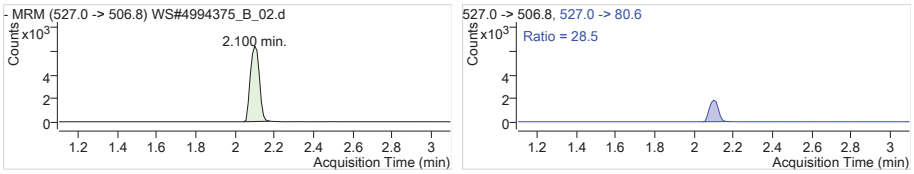
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.389 (2.389)
Calc. conc. 28.87 µg/Kg
Area ratio: 8.05208
Sample type: QC



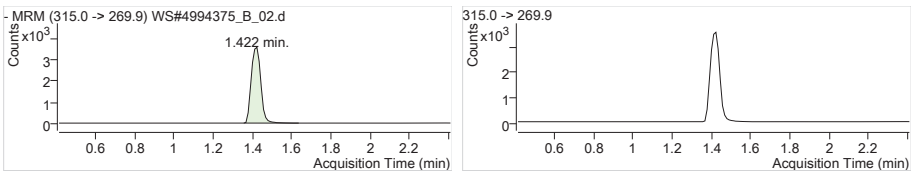
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.456)
Calc. conc. 30.40 µg/Kg
Area ratio: 7.81254
Sample type: QC



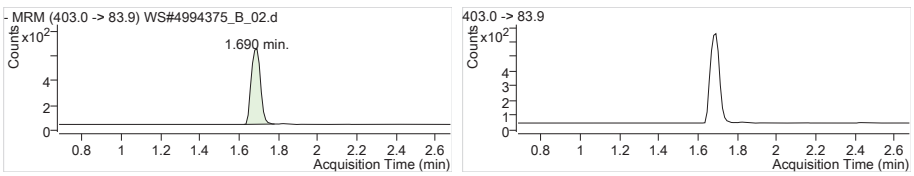
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 30.93 µg/Kg
Area ratio: 8.25759
Sample type: QC



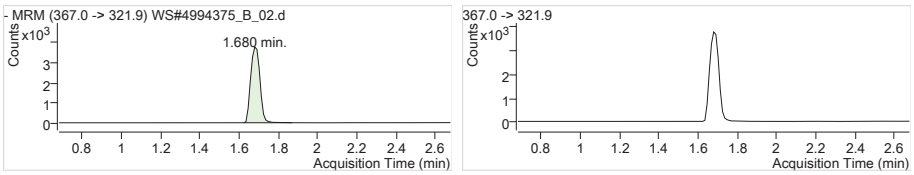
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 30.32 µg/Kg
Area ratio: 7.53146
Sample type: QC



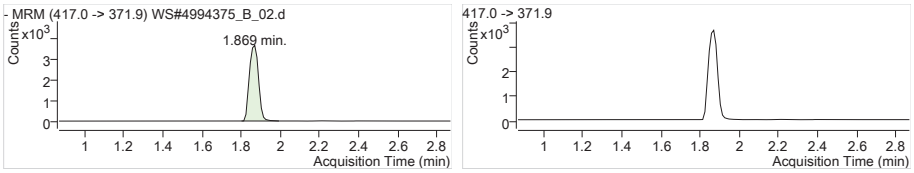
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 100.29 µg/Kg
Area ratio: 0.20827
Sample type: QC



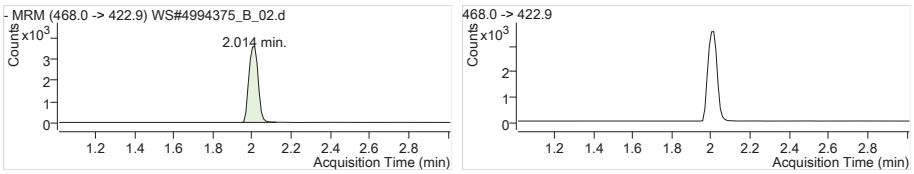
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 99.69 µg/Kg
Area ratio: 0.03494
Sample type: QC



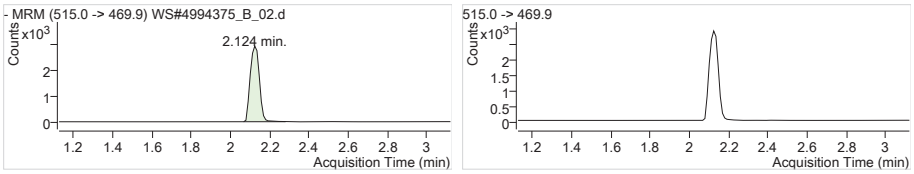
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 97.04 µg/Kg
Area ratio: 0.21346
Sample type: QC



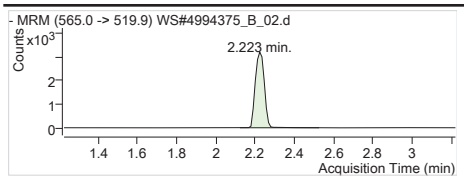
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 100.08 µg/Kg
Area ratio: 0.20618
Sample type: QC

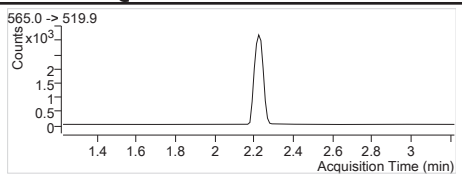


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 100.43 µg/Kg
Area ratio: 0.20309
Sample type: QC

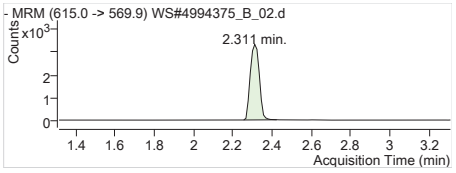


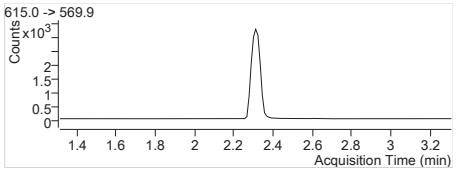
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 91.06 µg/Kg
Area ratio: 0.18923
Sample type: QC



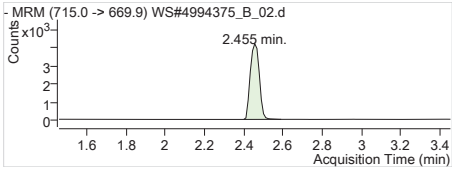


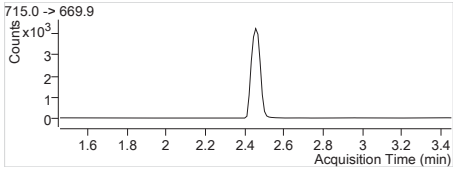
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 88.62 µg/Kg
Area ratio: 0.20538
Sample type: QC



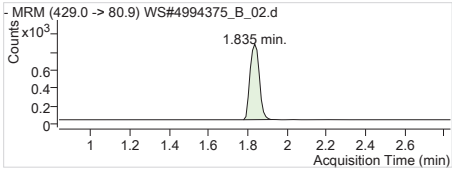


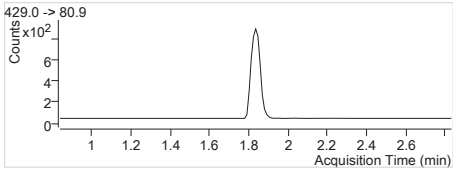
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 83.67 µg/Kg
Area ratio: 0.21494
Sample type: QC



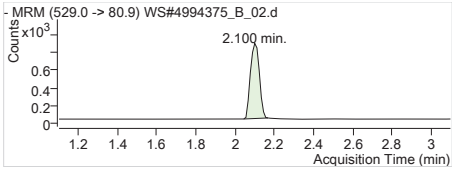


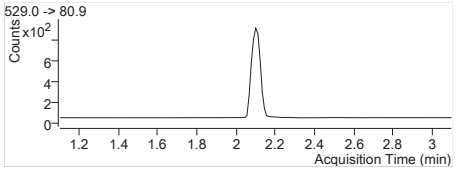
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 83.19 µg/Kg
Area ratio: 0.27350
Sample type: QC



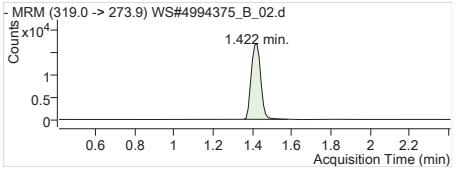


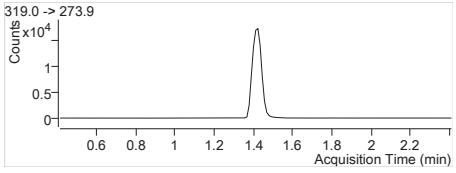
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 93.14 µg/Kg
Area ratio: 0.04844
Sample type: QC



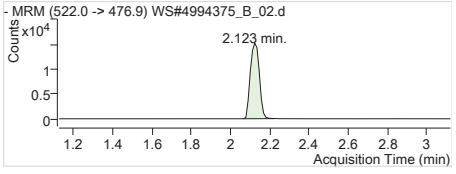


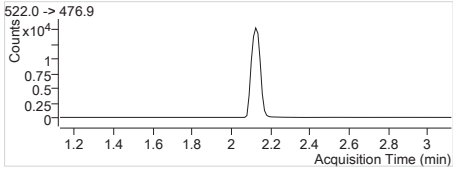
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 93.14 µg/Kg
Area ratio: 0.04728
Sample type: QC





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 152.15 µg/Kg
Area ratio: 0
Sample type: QC





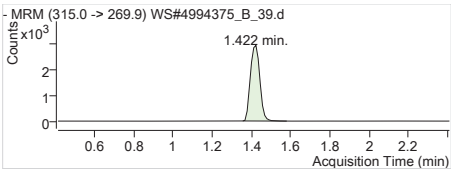
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 153.21 µg/Kg
Area ratio: 0
Sample type: QC

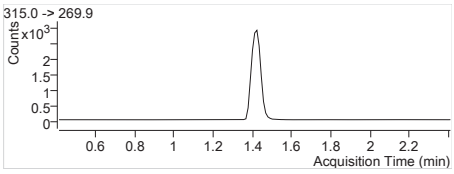
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:MTRX SPK**	**Instrument**	LCMS04
Data File	WS#4994375_B_39.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.333
Acq. Method	PFC_Soil.m	**Position**	P1-C3
Acq. Date	2017/05/30 1:29:37 PM	**Injection Volume**	Per Method
Sample Annotation	EKF538		

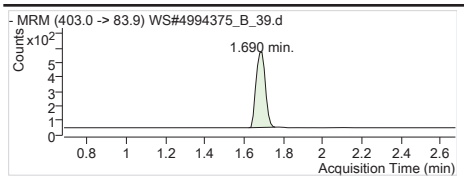
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9682	1.42	1 µg/Kg		
MPFHxS	1726	1.69	1 µg/Kg		
MPFHpA	10827	1.68	1 µg/Kg		
MPFOA	10306	1.87	1 µg/Kg		
MPFNA	9959	2.00	1 µg/Kg		
MPFDA	8017	2.12	1 µg/Kg		
MPFUnA	7692	2.22	1 µg/Kg		
MPFDoA	9433	2.31	1 µg/Kg		
MPFTeDA	11218	2.46	1 µg/Kg		
M2 6:2 FTS	2238	1.83	1 µg/Kg		
M2 8:2 FTS	2412	2.10	1 µg/Kg		
13C6-PFHxA IS	55149	1.42	1 µg/Kg		
13C9-PFDA IS	49161	2.12	1 µg/Kg		

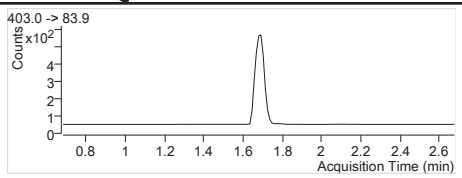
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	20940	1.10	18.80	27.81 µg/Kg	110.97
PFHxA 1	90286	1.42	18.80	30.84 µg/Kg	123.05
PFHxS 1	17887	1.68	18.80	30.81 µg/Kg	122.92
PFHpA 1	92252	1.68	18.80	26.86 µg/Kg	107.19
PFOA 1	89551	1.87	18.80	26.92 µg/Kg	107.43
PFNA 1	76642	2.01	18.80	27.32 µg/Kg	109.01
PFDA 1	79395	2.12	18.80	30.88 µg/Kg	123.23
PFUnA 1	70926	2.22	18.80	30.49 µg/Kg	121.68
PFDoA 1	73733	2.31	18.80	26.39 µg/Kg	105.32
PFTrDA 1	84460	2.39	18.80	27.05 µg/Kg	107.94
PFTeDA 1	81868	2.46	18.80	28.45 µg/Kg	113.52
6:2-FTS 1	24466	1.84	18.80	41.13 µg/Kg	164.12
8:2-FTS 1	18420	2.10	18.80	30.82 µg/Kg	122.99
13C2-PFHxA	9682	1.42	100.00	84.54 µg/Kg	84.54
18O2-PFHxS	1726	1.69	100.00	89.28 µg/Kg	89.28
13C4-PFHpA	10827	1.68	100.00	89.25 µg/Kg	89.25
13C4-PFOA	10306	1.87	100.00	90.71 µg/Kg	90.71
13C5-PFNA	9959	2.00	100.00	89.31 µg/Kg	89.31
13C2-PFDA	8017	2.12	100.00	78.48 µg/Kg	78.48
13C2-PFUnA	7794	2.22	100.00	68.41 µg/Kg	68.41
13C2-PFDoA	9433	2.31	100.00	74.69 µg/Kg	74.69
13C2-PFTeDA	11218	2.46	100.00	69.41 µg/Kg	69.41
13C2-6:2-FTS	2238	1.83	100.00	78.04 µg/Kg	78.04
13C2-8:2 FTS	2412	2.10	100.00	86.16 µg/Kg	86.16
13C6-PFHxA	55149	1.42	100.00	147.16 µg/Kg	110.40
13C9-PFDA	49116	2.12	100.00	154.98 µg/Kg	116.26



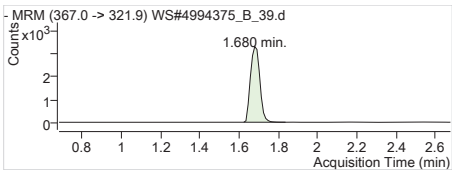


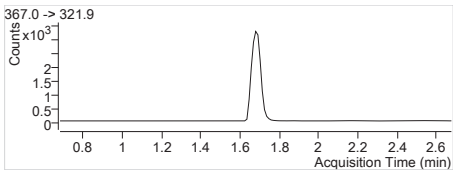
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	QC



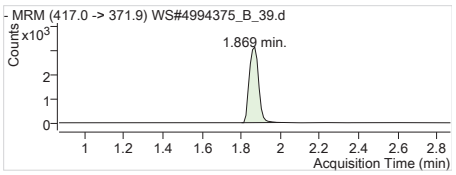


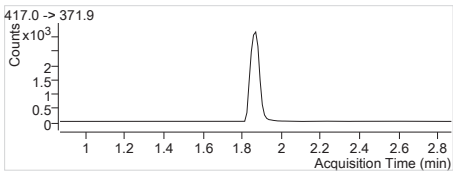
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: QC



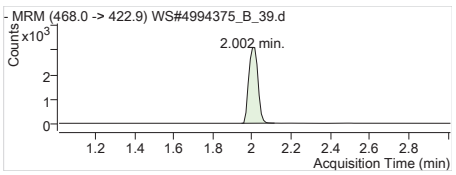


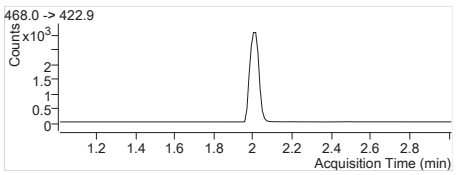
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: QC



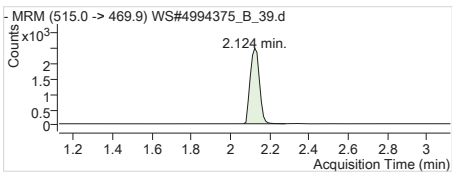


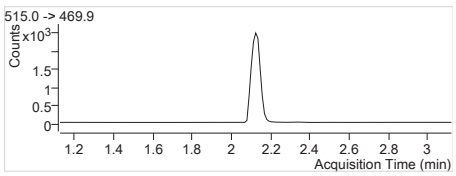
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: QC



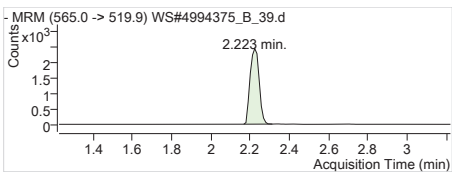


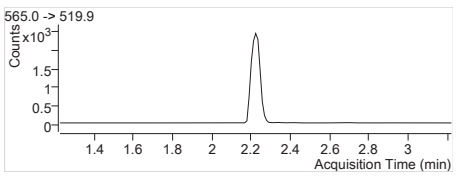
MPFNA Internal Standard
RT (Exp. RT): 2.002 (2.014)
Concentration: 1 µg/Kg
Sample type: QC



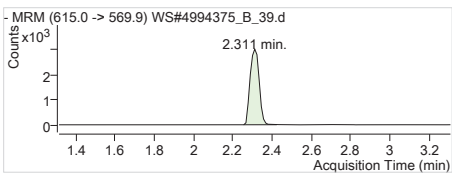


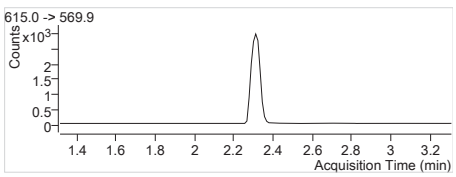
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: QC



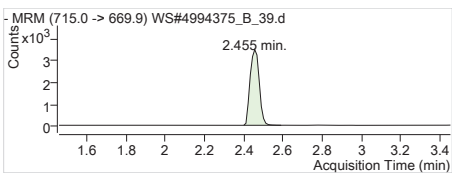


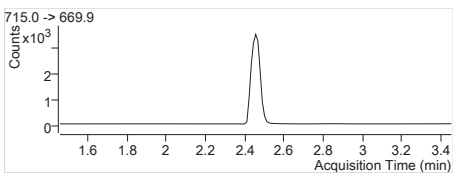
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: QC



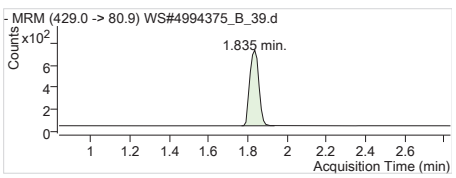


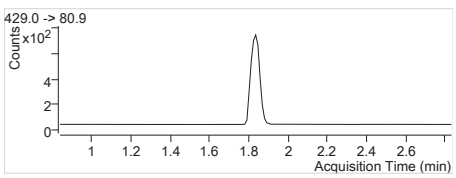
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: QC



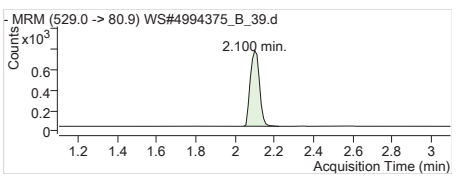


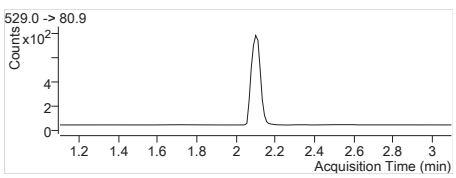
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: QC



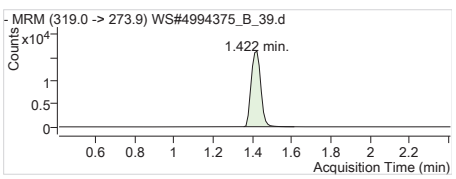


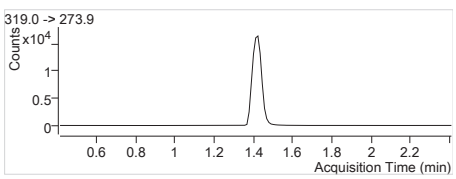
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: QC



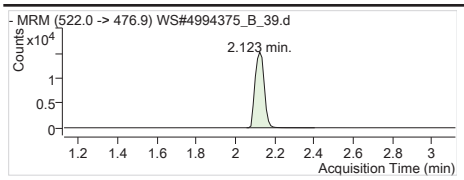


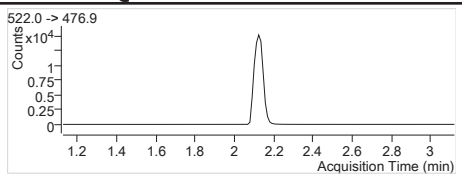
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: QC



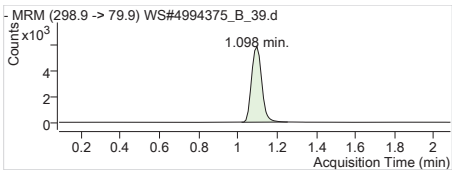


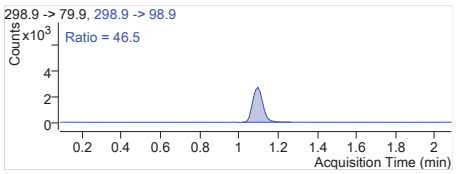
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.411)
Concentration: 1 µg/Kg
Sample type: QC



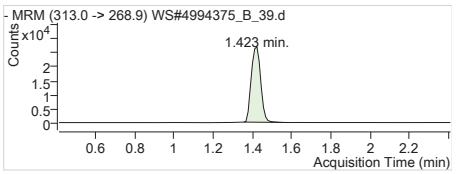


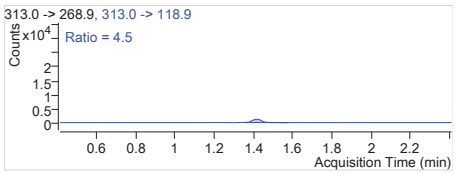
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: QC



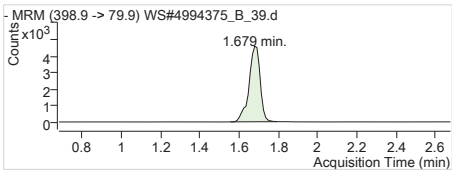


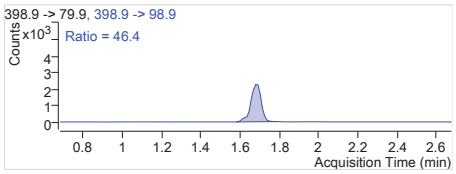
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.087)
Calc. conc. 27.81 µg/Kg
Area ratio: 12.13210
Sample type: QC



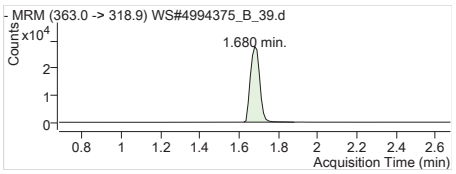


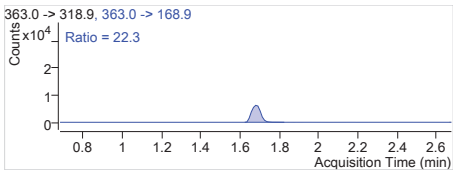
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.423 (1.411)
Calc. conc. 30.84 µg/Kg
Area ratio: 9.32514
Sample type: QC



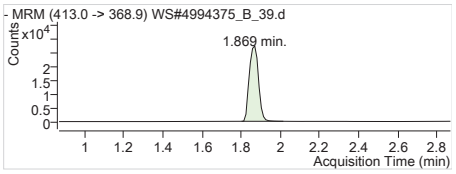


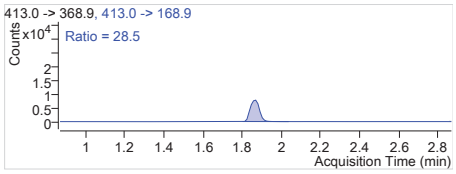
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 30.81 µg/Kg
Area ratio: 10.36327
Sample type: QC



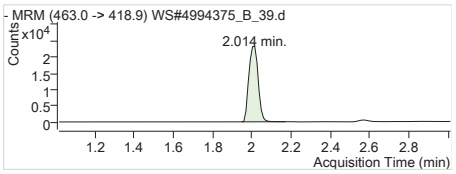


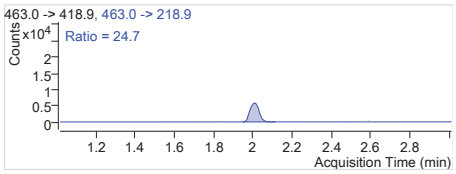
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 26.86 µg/Kg
Area ratio: 8.52055
Sample type: QC



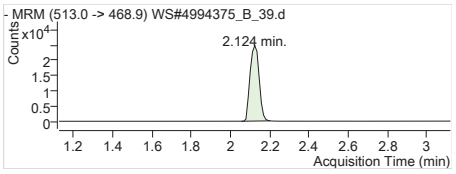


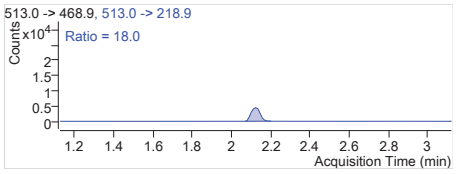
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 26.92 µg/Kg
Area ratio: 8.68921
Sample type: QC



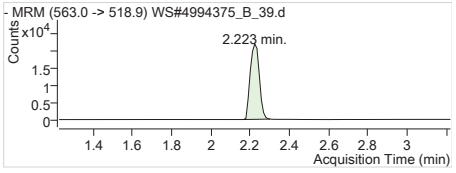


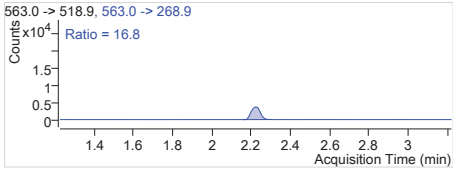
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 27.32 µg/Kg
Area ratio: 7.69575
Sample type: QC



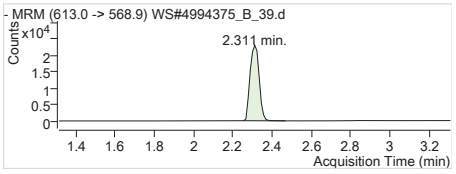


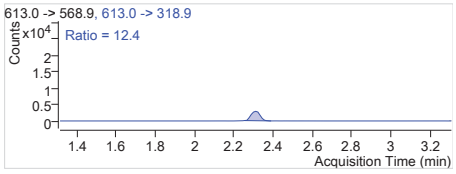
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 30.88 µg/Kg
Area ratio: 9.90333
Sample type: QC



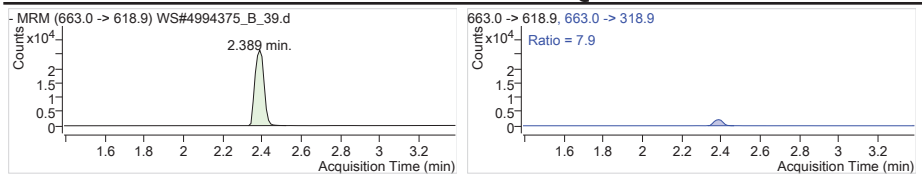


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 30.49 µg/Kg
Area ratio: 9.22075
Sample type: QC

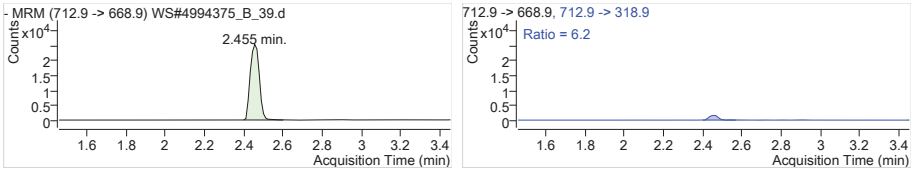




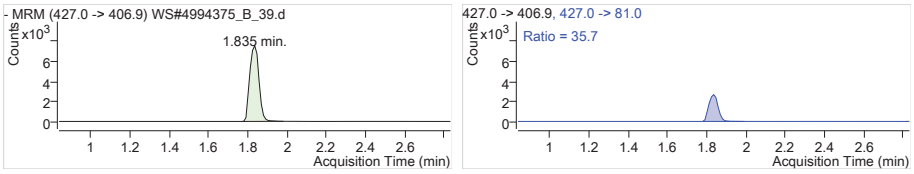
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 26.39 µg/Kg
Area ratio: 7.81650
Sample type: QC



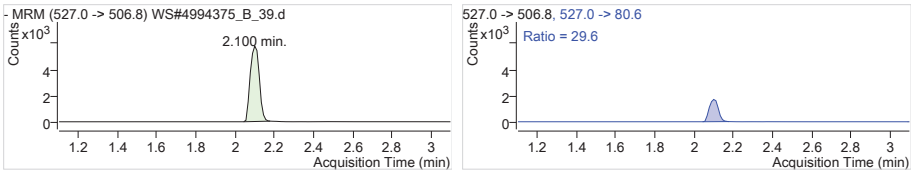
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.389 (2.389)
Calc. conc. 27.05 µg/Kg
Area ratio: 7.52897
Sample type: QC



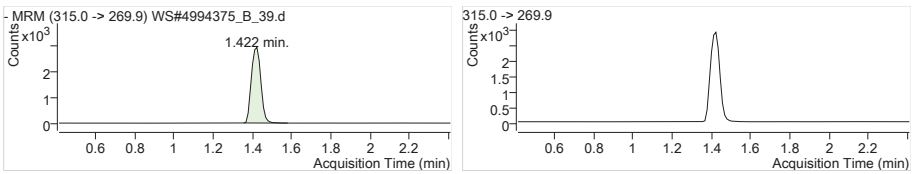
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.456)
Calc. conc. 28.45 µg/Kg
Area ratio: 7.29791
Sample type: QC



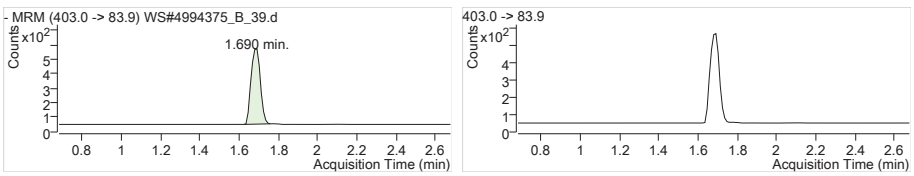
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 41.13 µg/Kg
Area ratio: 10.93208
Sample type: QC



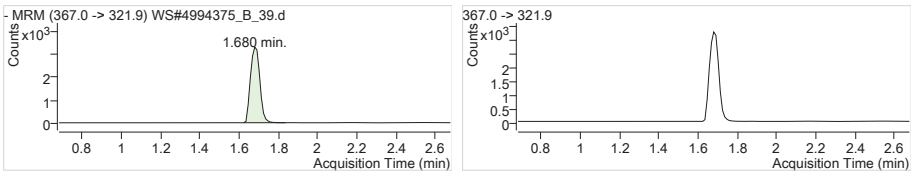
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 30.82 µg/Kg
Area ratio: 7.63682
Sample type: QC



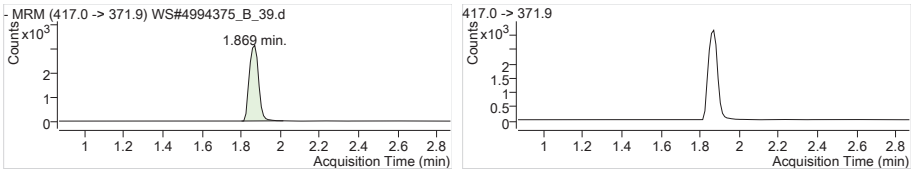
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 84.54 µg/Kg
Area ratio: 0.17556
Sample type: QC



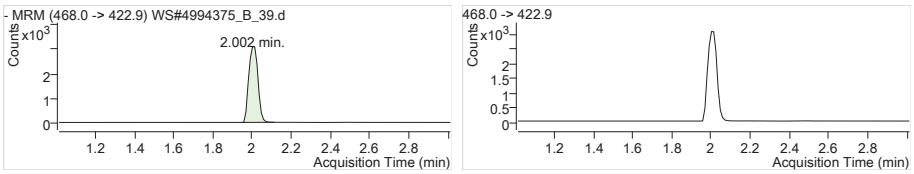
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 89.28 µg/Kg
Area ratio: 0.03130
Sample type: QC



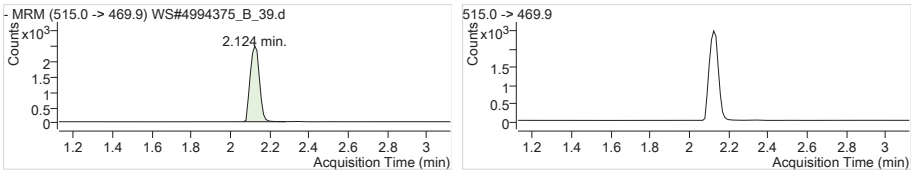
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 89.25 µg/Kg
Area ratio: 0.19632
Sample type: QC



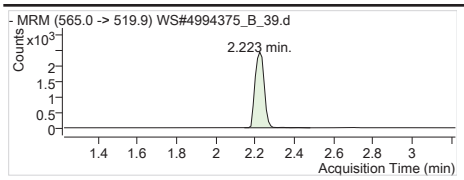
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 90.71 µg/Kg
Area ratio: 0.18688
Sample type: QC

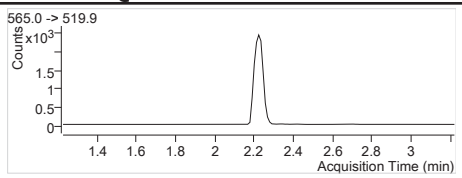


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.002 (2.014)
Calc. conc. 89.31 µg/Kg
Area ratio: 0.18058
Sample type: QC

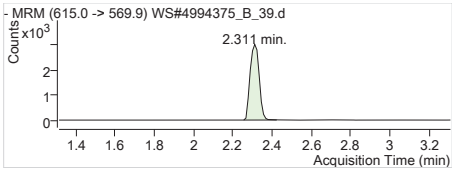


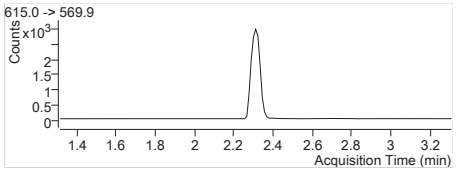
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 78.48 µg/Kg
Area ratio: 0.16308
Sample type: QC



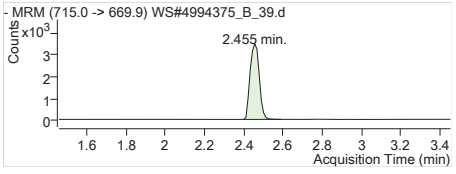


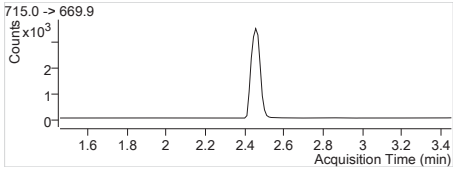
13C2-PFUnA 565.0 -> 519.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 68.41 µg/Kg
Area ratio: 0.15854
Sample type: QC



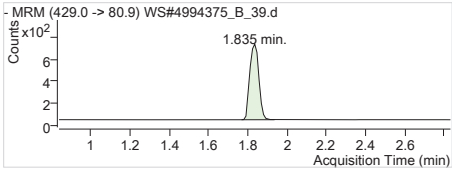


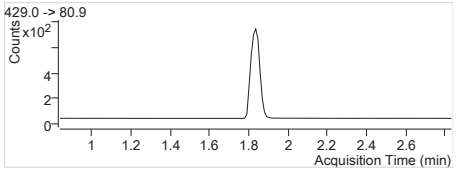
13C2-PFDoA 615.0 -> 569.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 74.69 µg/Kg
Area ratio: 0.19188
Sample type: QC



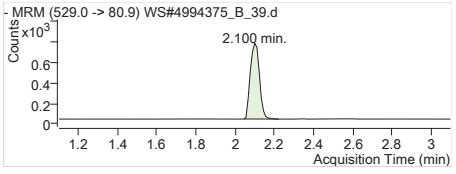


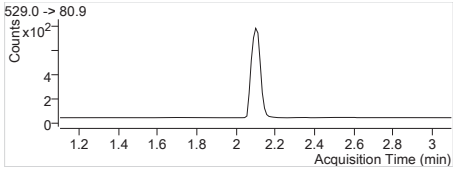
13C2-PFTeDA 715.0 -> 669.9
RT (Exp. RT): 2.455 (2.455)
Calc. conc. 69.41 µg/Kg
Area ratio: 0.22819
Sample type: QC



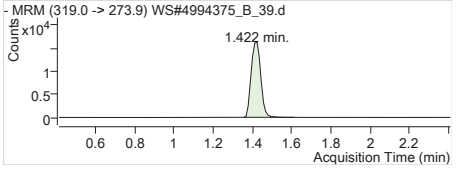


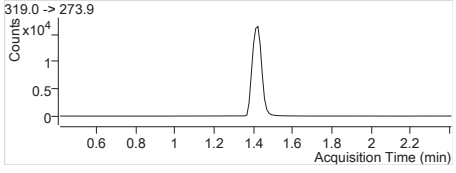
13C2-6:2-FTS 429.0 -> 80.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 78.04 µg/Kg
Area ratio: 0.04058
Sample type: QC



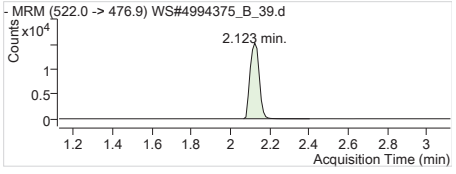


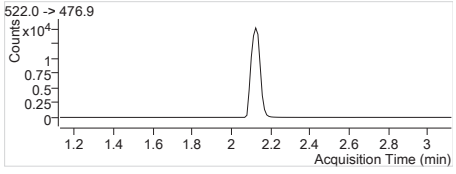
13C2-8:2 FTS 529.0 -> 80.9
RT (Exp. RT): 2.100 (2.100)
Calc. conc. 86.16 µg/Kg
Area ratio: 0.04374
Sample type: QC





13C6-PFHxA 319.0 -> 273.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 147.16 µg/Kg
Area ratio: 0
Sample type: QC





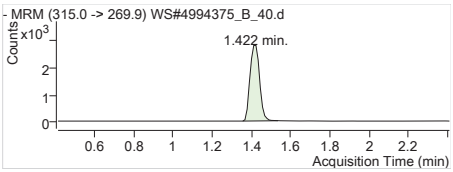
13C9-PFDA 522.0 -> 476.9
RT (Exp. RT): 2.123 (2.124)
Calc. conc. 154.98 µg/Kg
Area ratio: 0
Sample type: QC

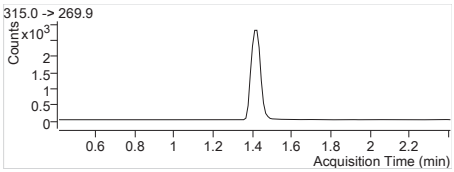
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_B\QuantResults\PFC_Soil_170526_WS#4994375_CTLabs

Sample Name	**4994375:MTRX SPK:D1**	**Instrument**	LCMS04
Data File	WS#4994375_B_40.d	**Operator**	AD
Sample Type	QC	**Dilution**	1.333
Acq. Method	PFC_Soil.m	**Position**	P1-C4
Acq. Date	2017/05/30 1:34:32 PM	**Injection Volume**	Per Method
Sample Annotation	EKF538		

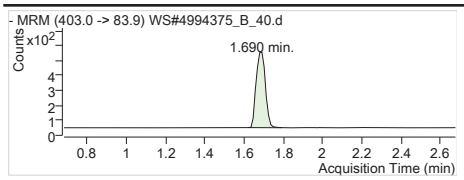
ISTD Compounds	Response	RT	Target conc.		
MPFHxA	9408	1.42	1 µg/Kg		
MPFHxS	1667	1.69	1 µg/Kg		
MPFHpA	10334	1.68	1 µg/Kg		
MPFOA	9660	1.87	1 µg/Kg		
MPFNA	9488	2.01	1 µg/Kg		
MPFDA	7858	2.12	1 µg/Kg		
MPFUnA	7334	2.22	1 µg/Kg		
MPFDoA	8092	2.31	1 µg/Kg		
MPFTeDA	9695	2.46	1 µg/Kg		
M2 6:2 FTS	2092	1.84	1 µg/Kg		
M2 8:2 FTS	2079	2.10	1 µg/Kg		
13C6-PFHxA IS	46432	1.42	1 µg/Kg		
13C9-PFDA IS	42964	2.12	1 µg/Kg		

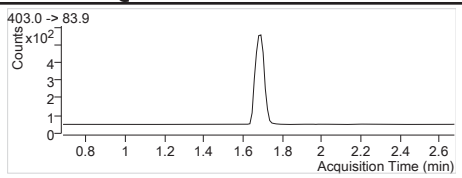
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
PFBS 1	20221	1.10	18.80	27.80 µg/Kg	110.95
PFHxA 1	84635	1.42	18.80	29.75 µg/Kg	118.71
PFHxS 1	17975	1.68	18.80	32.06 µg/Kg	127.91
PFHpA 1	88238	1.68	18.80	26.92 µg/Kg	107.42
PFOA 1	87736	1.87	18.80	28.14 µg/Kg	112.30
PFNA 1	70216	2.01	18.80	26.27 µg/Kg	104.82
PFDA 1	75543	2.12	18.80	29.97 µg/Kg	119.61
PFUnA 1	69574	2.22	18.80	31.37 µg/Kg	125.19
PFDoA 1	70238	2.31	18.80	29.31 µg/Kg	116.96
PFTrDA 1	78175	2.39	18.80	28.97 µg/Kg	115.61
PFTeDA 1	72681	2.46	18.80	29.23 µg/Kg	116.64
6:2-FTS 1	22569	1.84	18.80	40.58 µg/Kg	161.94
8:2-FTS 1	17574	2.10	18.80	34.14 µg/Kg	136.22
13C2-PFHxA	9408	1.42	100.00	97.57 µg/Kg	97.57
18O2-PFHxS	1667	1.69	100.00	102.42 µg/Kg	102.42
13C4-PFHpA	10334	1.68	100.00	101.18 µg/Kg	101.18
13C4-PFOA	9660	1.87	100.00	100.99 µg/Kg	100.99
13C5-PFNA	9488	2.01	100.00	101.05 µg/Kg	101.05
13C2-PFDA	7858	2.12	100.00	88.01 µg/Kg	88.01
13C2-PFUnA	7356	2.22	100.00	73.88 µg/Kg	73.88
13C2-PFDoA	8092	2.31	100.00	73.31 µg/Kg	73.31
13C2-PFTeDA	9695	2.46	100.00	68.64 µg/Kg	68.64
13C2-6:2-FTS	2092	1.84	100.00	86.64 µg/Kg	86.64
13C2-8:2 FTS	2079	2.10	100.00	88.20 µg/Kg	88.20
13C6-PFHxA	46432	1.42	100.00	123.90 µg/Kg	92.95
13C9-PFDA	42958	2.12	100.00	135.55 µg/Kg	101.69



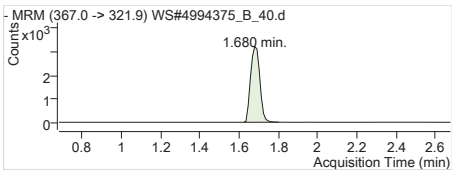


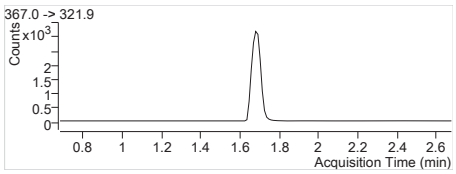
MPFHxA	Internal Standard
RT (Exp. RT):	1.422 (1.411)
Concentration:	1 µg/Kg
Sample type:	QC



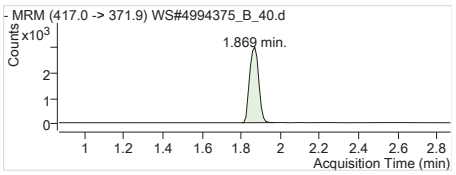


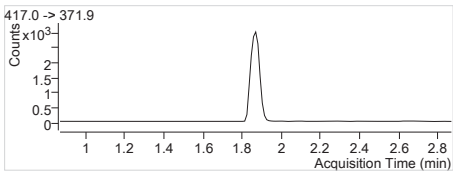
MPFHxS Internal Standard
RT (Exp. RT): 1.690 (1.679)
Concentration: 1 µg/Kg
Sample type: QC



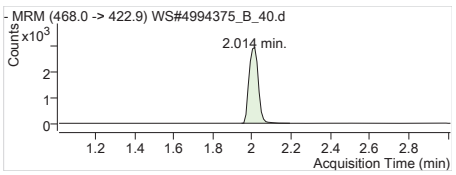


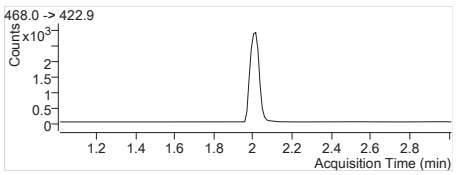
MPFHpA Internal Standard
RT (Exp. RT): 1.680 (1.680)
Concentration: 1 µg/Kg
Sample type: QC



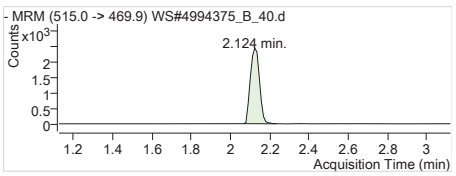


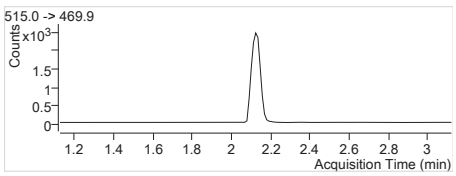
MPFOA Internal Standard
RT (Exp. RT): 1.869 (1.869)
Concentration: 1 µg/Kg
Sample type: QC



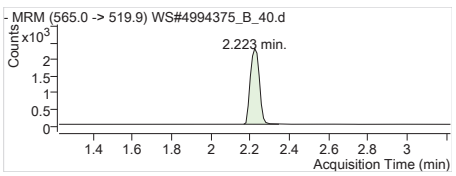


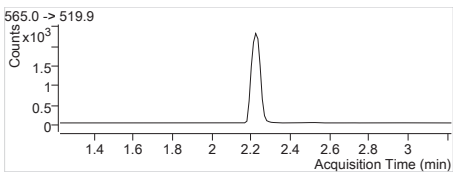
MPFNA Internal Standard
RT (Exp. RT): 2.014 (2.014)
Concentration: 1 µg/Kg
Sample type: QC



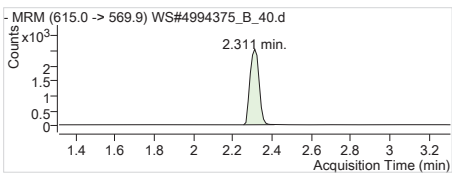


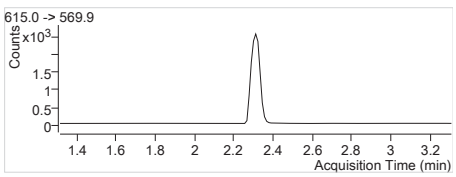
MPFDA Internal Standard
RT (Exp. RT): 2.124 (2.124)
Concentration: 1 µg/Kg
Sample type: QC



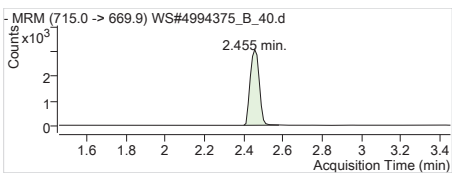


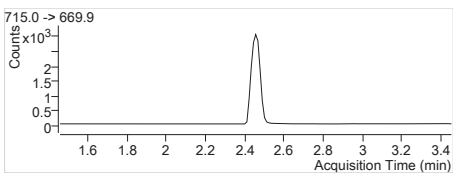
MPFUnA Internal Standard
RT (Exp. RT): 2.223 (2.223)
Concentration: 1 µg/Kg
Sample type: QC



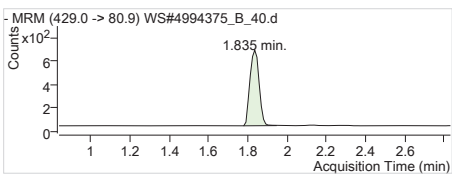


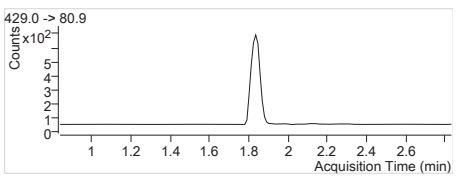
MPFDoA Internal Standard
RT (Exp. RT): 2.311 (2.311)
Concentration: 1 µg/Kg
Sample type: QC



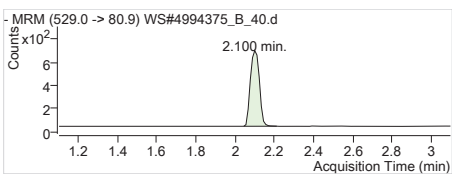


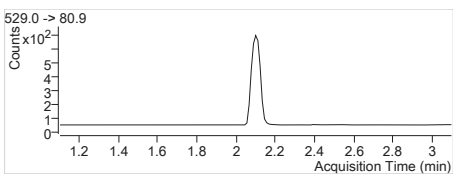
MPFTeDA Internal Standard
RT (Exp. RT): 2.455 (2.455)
Concentration: 1 µg/Kg
Sample type: QC



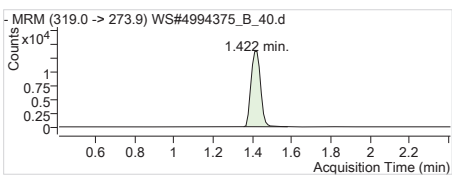


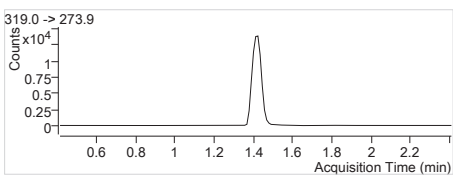
M2 6:2 FTS Internal Standard
RT (Exp. RT): 1.835 (1.835)
Concentration: 1 µg/Kg
Sample type: QC



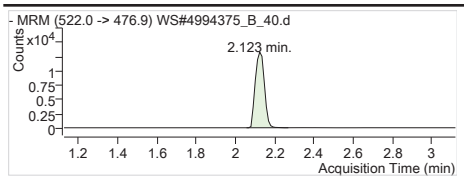


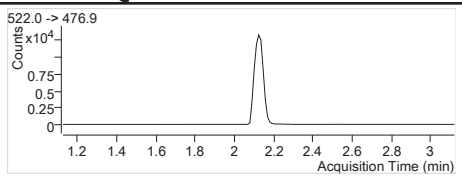
M2 8:2 FTS Internal Standard
RT (Exp. RT): 2.100 (2.100)
Concentration: 1 µg/Kg
Sample type: QC



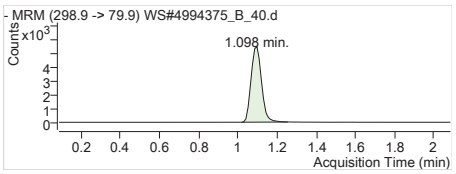


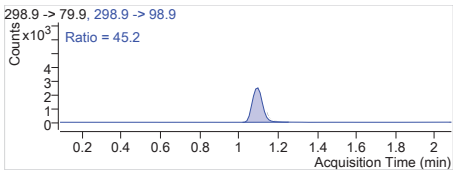
13C6-PFHxA IS Internal Standard
RT (Exp. RT): 1.422 (1.411)
Concentration: 1 µg/Kg
Sample type: QC



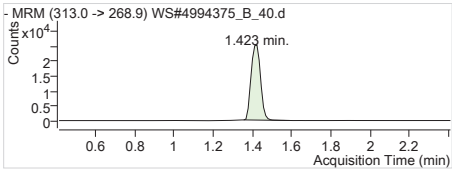


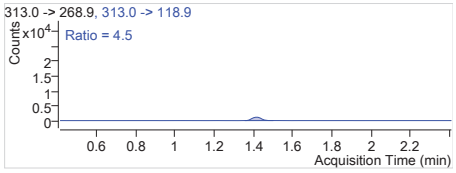
13C9-PFDA IS Internal Standard
RT (Exp. RT): 2.123 (2.124)
Concentration: 1 µg/Kg
Sample type: QC



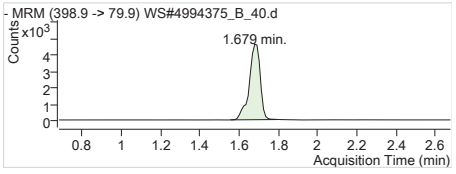


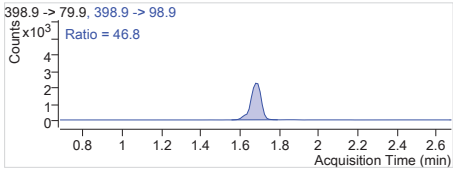
PFBS 1 298.9 -> 79.9
RT (Exp. RT): 1.098 (1.087)
Calc. conc. 27.80 µg/Kg
Area ratio: 12.13017
Sample type: QC



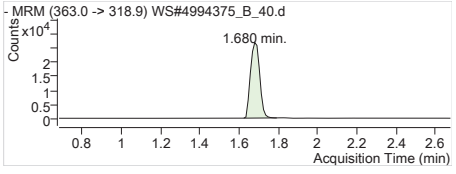


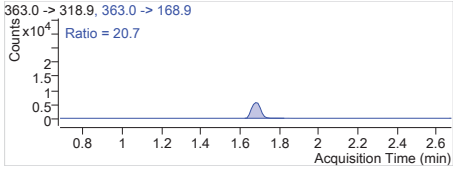
PFHxA 1 313.0 -> 268.9
RT (Exp. RT): 1.423 (1.411)
Calc. conc. 29.75 µg/Kg
Area ratio: 8.99607
Sample type: QC



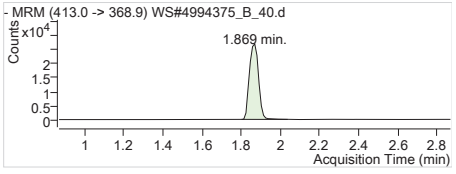


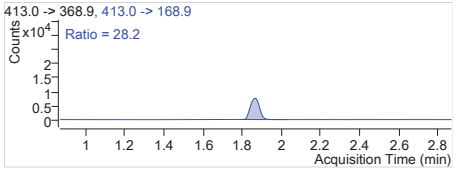
PFHxS 1 398.9 -> 79.9
RT (Exp. RT): 1.679 (1.679)
Calc. conc. 32.06 µg/Kg
Area ratio: 10.78284
Sample type: QC



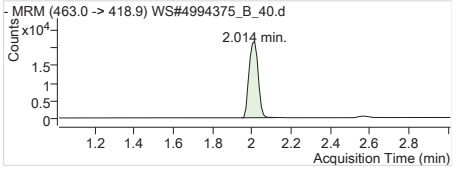


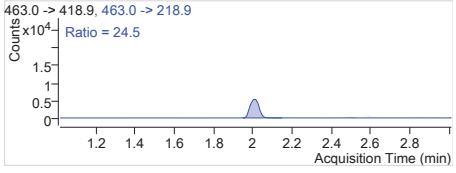
PFHpA 1 363.0 -> 318.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 26.92 µg/Kg
Area ratio: 8.53861
Sample type: QC



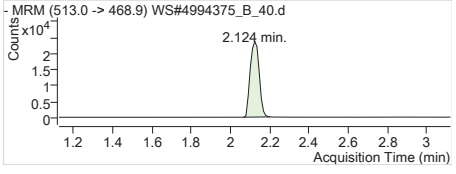


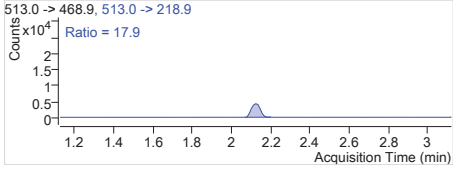
PFOA 1 413.0 -> 368.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 28.14 µg/Kg
Area ratio: 9.08240
Sample type: QC



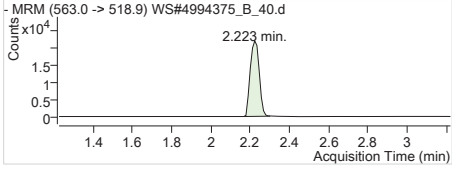


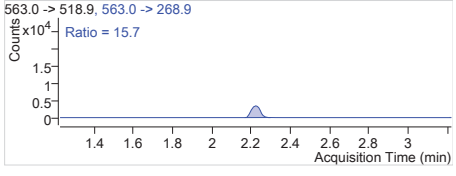
PFNA 1 463.0 -> 418.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 26.27 µg/Kg
Area ratio: 7.40051
Sample type: QC



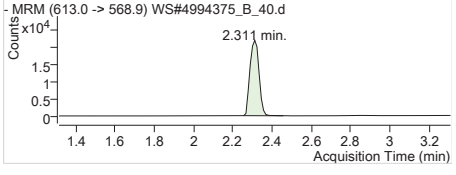


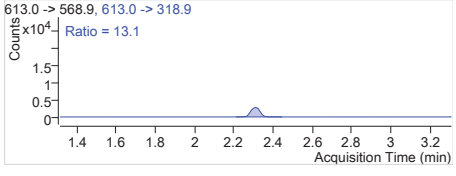
PFDA 1 513.0 -> 468.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 29.97 µg/Kg
Area ratio: 9.61351
Sample type: QC



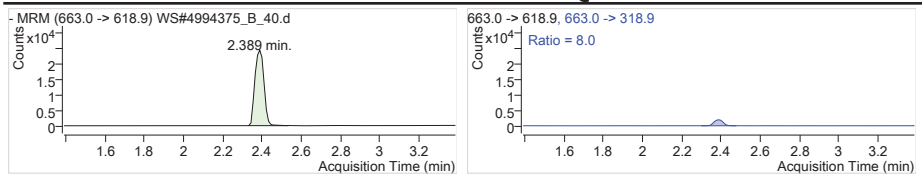


PFUnA 1 563.0 -> 518.9
RT (Exp. RT): 2.223 (2.223)
Calc. conc. 31.37 µg/Kg
Area ratio: 9.48650
Sample type: QC

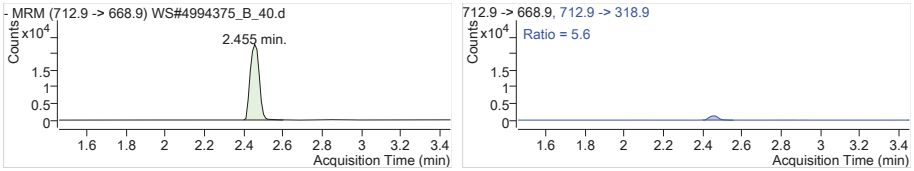




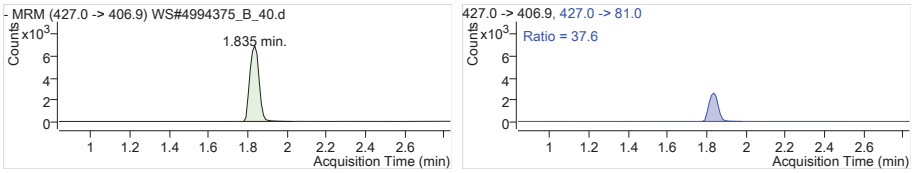
PFDoA 1 613.0 -> 568.9
RT (Exp. RT): 2.311 (2.311)
Calc. conc. 29.31 µg/Kg
Area ratio: 8.67993
Sample type: QC



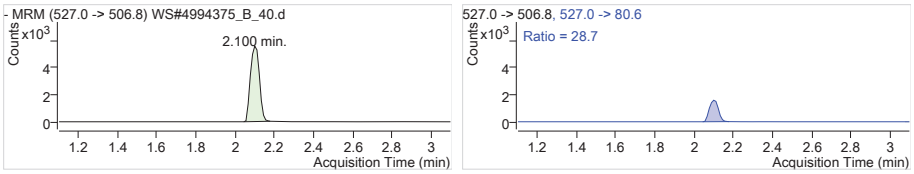
PFTrDA 1 663.0 -> 618.9
RT (Exp. RT): 2.389 (2.389)
Calc. conc. 28.97 µg/Kg
Area ratio: 8.06343
Sample type: QC



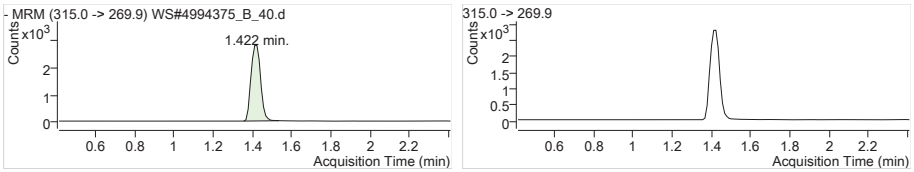
PFTeDA 1 712.9 -> 668.9
RT (Exp. RT): 2.455 (2.456)
Calc. conc. 29.23 µg/Kg
Area ratio: 7.49675
Sample type: QC



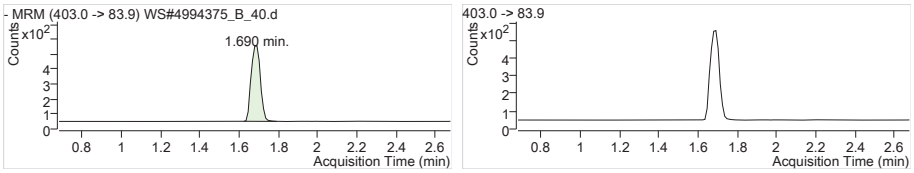
6:2-FTS 1 427.0 -> 406.9
RT (Exp. RT): 1.835 (1.835)
Calc. conc. 40.58 µg/Kg
Area ratio: 10.78824
Sample type: QC



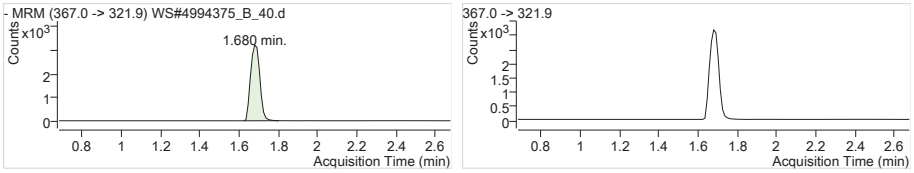
8:2-FTS 1 527.0 -> 506.8
RT (Exp. RT): 2.100 (2.101)
Calc. conc. 34.14 µg/Kg
Area ratio: 8.45310
Sample type: QC



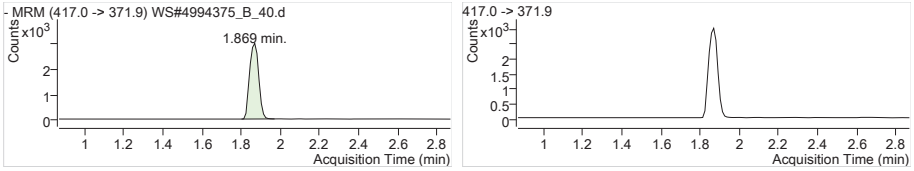
13C2-PFHxA 315.0 -> 269.9
RT (Exp. RT): 1.422 (1.411)
Calc. conc. 97.57 µg/Kg
Area ratio: 0.20262
Sample type: QC



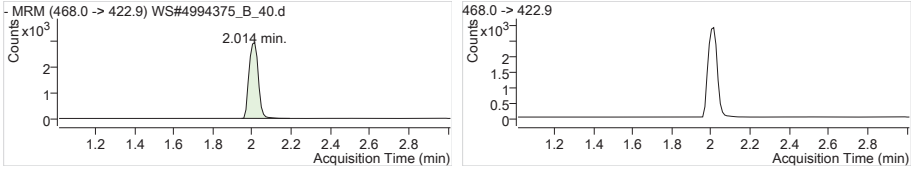
18O2-PFHxS 403.0 -> 83.9
RT (Exp. RT): 1.690 (1.679)
Calc. conc. 102.42 µg/Kg
Area ratio: 0.03590
Sample type: QC



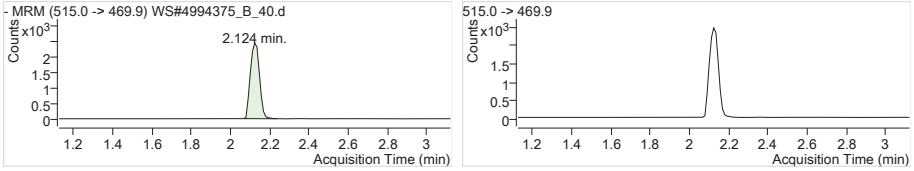
13C4-PFHpA 367.0 -> 321.9
RT (Exp. RT): 1.680 (1.680)
Calc. conc. 101.18 µg/Kg
Area ratio: 0.22256
Sample type: QC



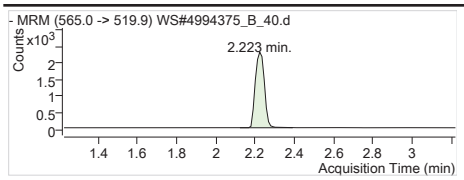
13C4-PFOA 417.0 -> 371.9
RT (Exp. RT): 1.869 (1.869)
Calc. conc. 100.99 µg/Kg
Area ratio: 0.20805
Sample type: QC

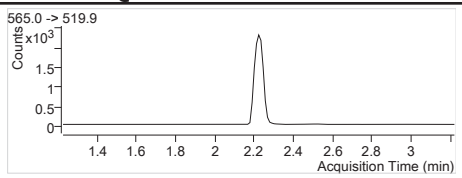


13C5-PFNA 468.0 -> 422.9
RT (Exp. RT): 2.014 (2.014)
Calc. conc. 101.05 µg/Kg
Area ratio: 0.20434
Sample type: QC

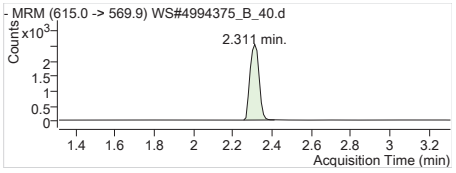


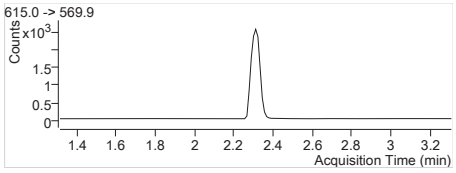
13C2-PFDA 515.0 -> 469.9
RT (Exp. RT): 2.124 (2.124)
Calc. conc. 88.01 µg/Kg
Area ratio: 0.18290
Sample type: QC



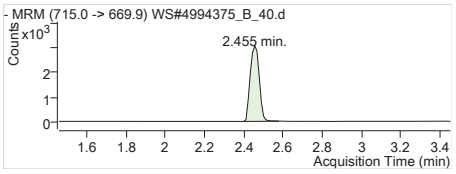


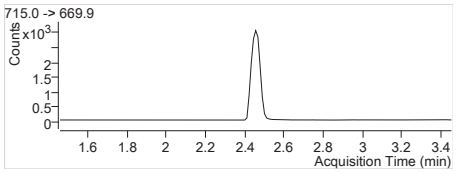
13C2-PFUnA	565.0 -> 519.9
RT (Exp. RT):	2.223 (2.223)
Calc. conc.	73.88 µg/Kg
Area ratio:	0.17121
Sample type:	QC



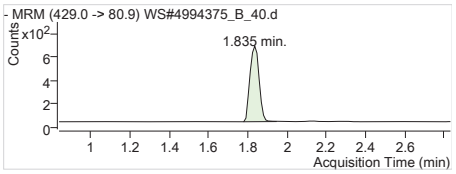


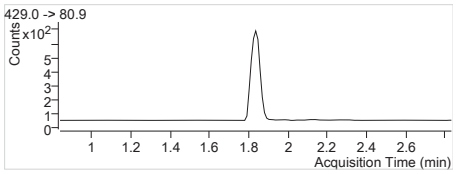
13C2-PFDoA	615.0 -> 569.9
RT (Exp. RT):	2.311 (2.311)
Calc. conc.	73.31 µg/Kg
Area ratio:	0.18834
Sample type:	QC



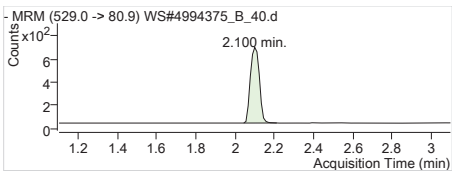


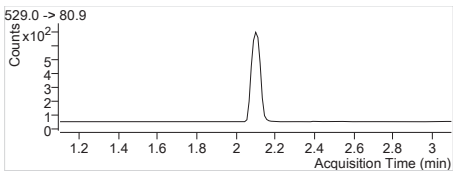
13C2-PFTeDA	715.0 -> 669.9
RT (Exp. RT):	2.455 (2.455)
Calc. conc.	68.64 µg/Kg
Area ratio:	0.22565
Sample type:	QC



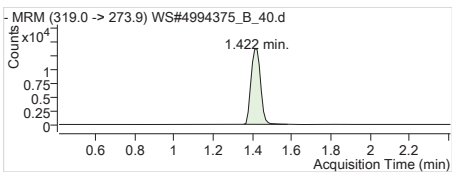


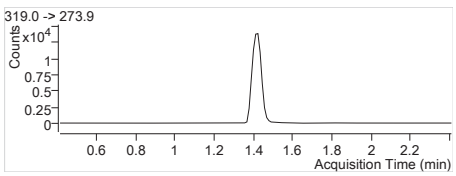
13C2-6:2-FTS	429.0 -> 80.9
RT (Exp. RT):	1.835 (1.835)
Calc. conc.	86.64 µg/Kg
Area ratio:	0.04506
Sample type:	QC



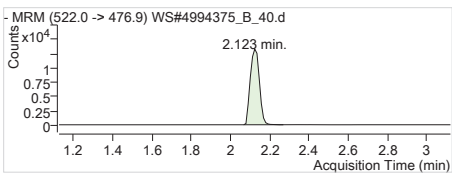


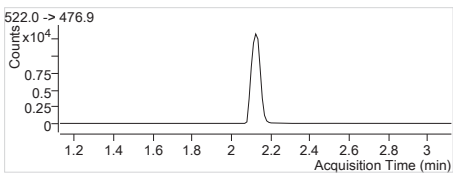
13C2-8:2 FTS	529.0 -> 80.9
RT (Exp. RT):	2.100 (2.100)
Calc. conc.	88.20 µg/Kg
Area ratio:	0.04478
Sample type:	QC





13C6-PFHxA	319.0 -> 273.9
RT (Exp. RT):	1.422 (1.411)
Calc. conc.	123.90 µg/Kg
Area ratio:	0
Sample type:	QC





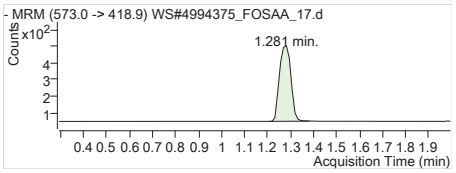
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	2.123 (2.124)
Calc. conc.	135.55 µg/Kg
Area ratio:	0
Sample type:	QC

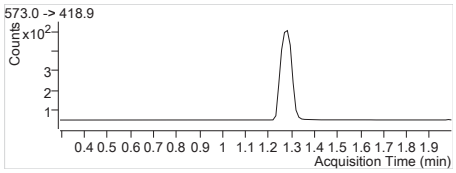
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**IB**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_17.d	**Operator**	M_G
Sample Type	Sample	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-A8
Acq. Date	2017/05/26 4:39:58 PM	**Injection Volume**	Per Method
Sample Annotation	-		

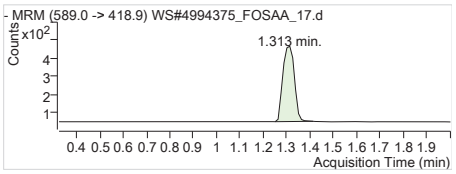
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1572	1.28	1 µg/Kg		
D5-EtFOSAA IS	1434	1.31	1 µg/Kg		
13C9-PFDA IS	26738	0.84	1 µg/Kg		

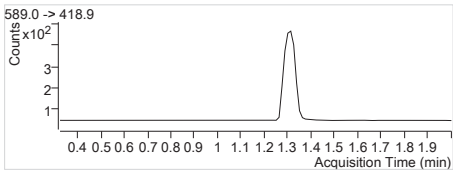
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1584	1.28	-	97.87 µg/Kg	-
D5-EtFOSAA	1453	1.31	-	100.28 µg/Kg	-
13C9-PFDA	27239	0.84	-	98.03 µg/Kg	-



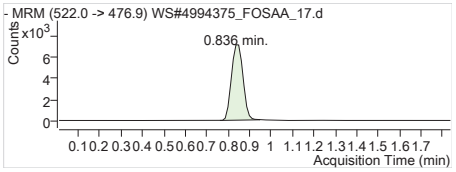


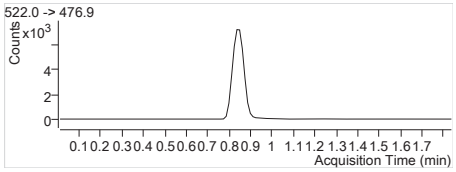
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Sample



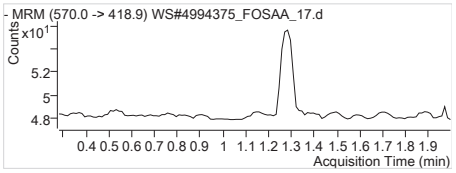


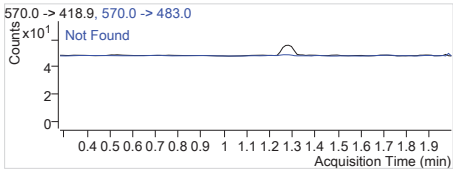
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Sample



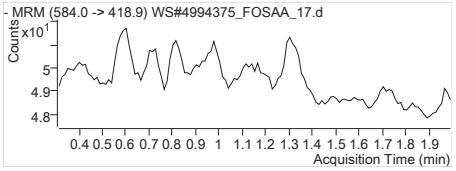


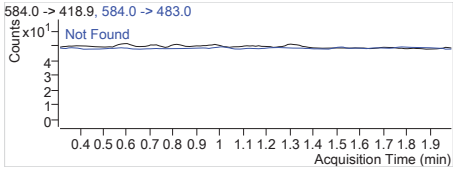
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.836 (0.849)
Concentration: 1 µg/Kg
Sample type: Sample



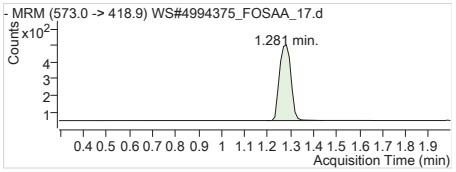


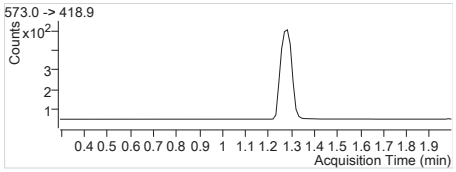
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



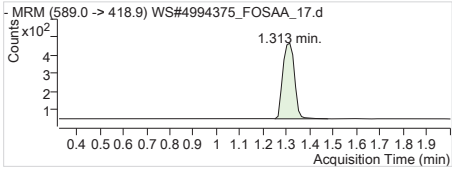


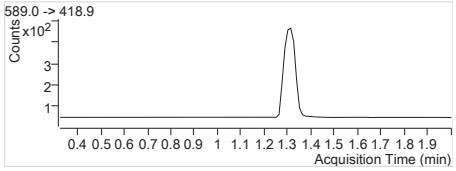
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Sample



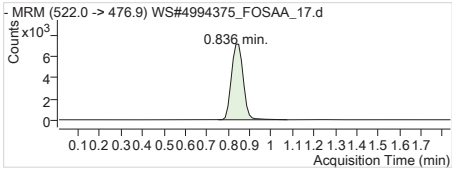


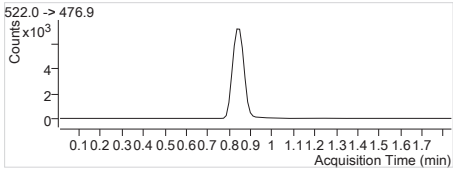
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 97.87 µg/Kg
Area ratio: 0.05923
Sample type: Sample





D5-EtFOSAA 589.0 -> 418.9
RT (Exp. RT): 1.313 (1.313)
Calc. conc. 100.28 µg/Kg
Area ratio: 0.05433
Sample type: Sample





13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.836 (0.849)
Calc. conc.	98.03 µg/Kg
Area ratio:	0
Sample type:	Sample

Quantitation Results

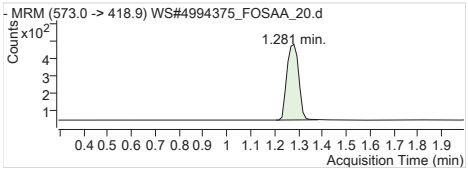
Agilent Technologies

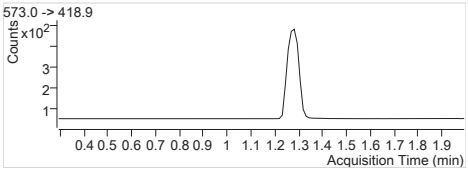
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:BLANK**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_20.d	**Operator**	M_G
Sample Type	Blank	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-C2
Acq. Date	2017/05/26 4:47:09 PM	**Injection Volume**	Per Method
Sample Annotation	-		

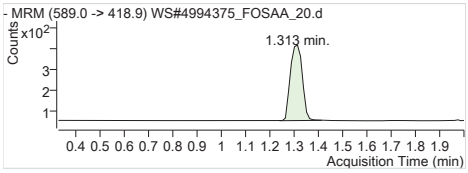
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1488	1.28	1 µg/Kg		
D5-EtFOSAA IS	1273	1.31	1 µg/Kg		
13C9-PFDA IS	30462	0.85	1 µg/Kg		

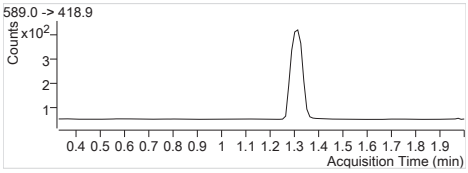
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1			-	ND	-
EtFOSAA 1			-	ND	-
D3-MeFOSAA	1497	1.28	-	81.21 µg/Kg	-
D5-EtFOSAA	1287	1.31	-	77.97 µg/Kg	-
13C9-PFDA	31025	0.85	-	111.66 µg/Kg	-



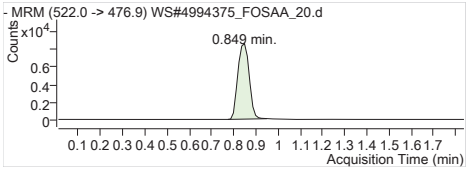


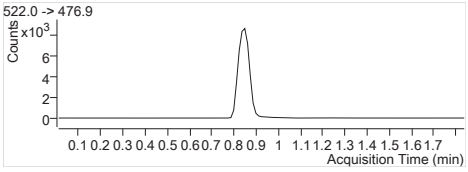
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: Blank



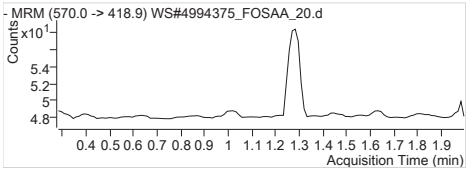


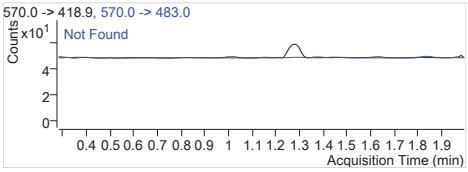
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: Blank



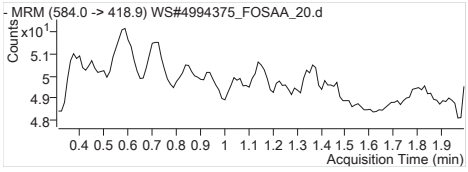


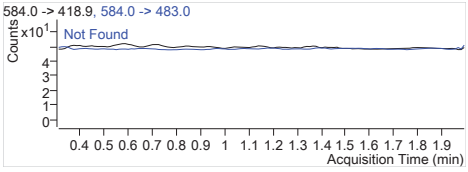
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: Blank



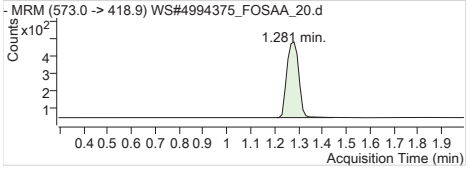


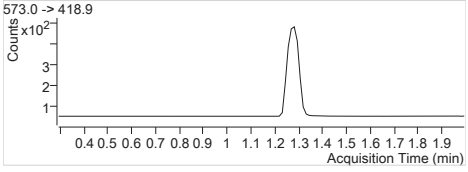
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 0.000 (1.271)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



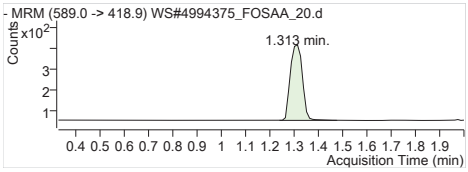


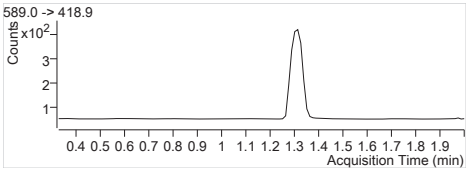
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 0.000 (1.303)
Calc. conc. N.D.
Area ratio: 0
Sample type: Blank



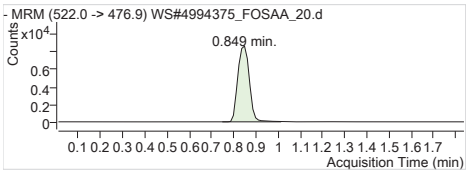


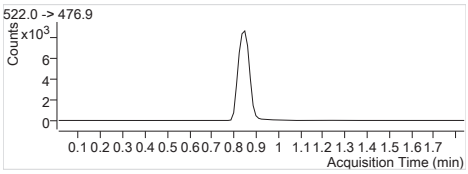
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 81.21 µg/Kg
Area ratio: 0.04915
Sample type: Blank





D5-EtFOSAA	589.0 -> 418.9
RT (Exp. RT):	1.313 (1.313)
Calc. conc.	77.97 µg/Kg
Area ratio:	0.04225
Sample type:	Blank





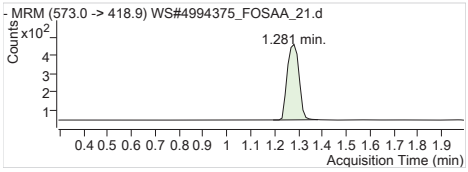
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	111.66 µg/Kg
Area ratio:	0
Sample type:	Blank

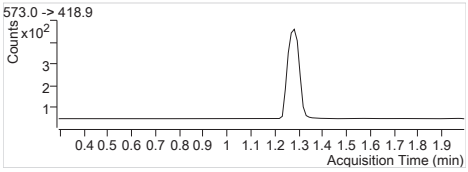
Batch Path T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:SPIKE**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_21.d	**Operator**	M_G
Sample Type	QC	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-C5
Acq. Date	2017/05/26 4:49:31 PM	**Injection Volume**	Per Method
Sample Annotation	-		

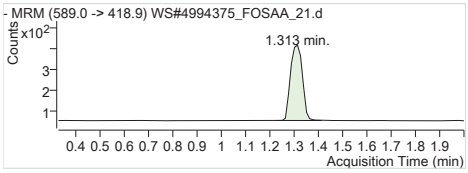
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1411	1.28	1 µg/Kg		
D5-EtFOSAA IS	1267	1.31	1 µg/Kg		
13C9-PFDA IS	29847	0.85	1 µg/Kg		

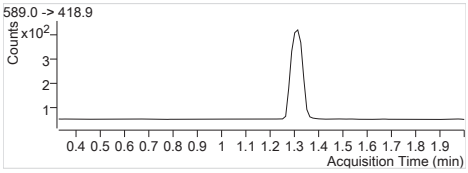
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	11027	1.27	18.80	21.88 µg/Kg	116.37
EtFOSAA 1	10786	1.30	18.80	20.92 µg/Kg	111.28
D3-MeFOSAA	1426	1.28	100.00	78.96 µg/Kg	78.96
D5-EtFOSAA	1275	1.31	100.00	78.82 µg/Kg	78.82
13C9-PFDA	30401	0.85	100.00	109.42 µg/Kg	109.42



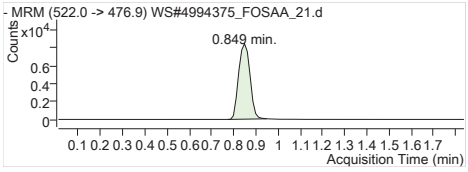


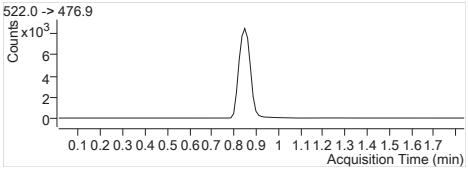
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: QC



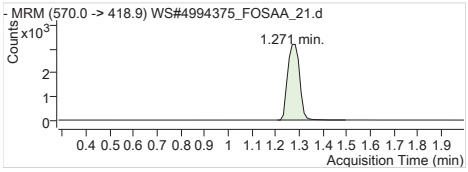


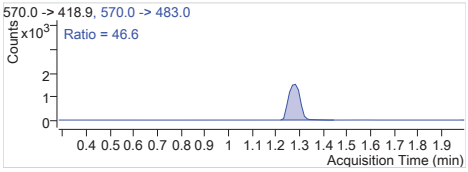
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: QC



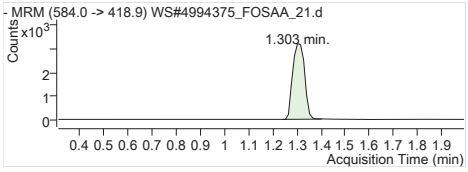


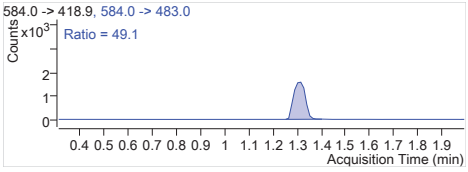
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: QC



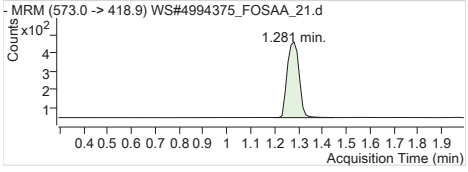


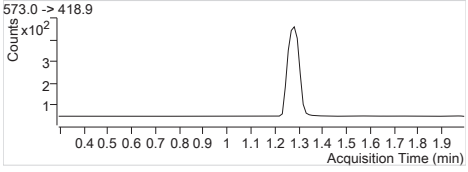
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 21.88 µg/Kg
Area ratio: 7.81502
Sample type: QC



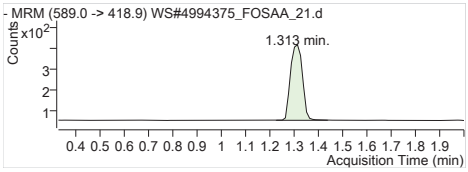


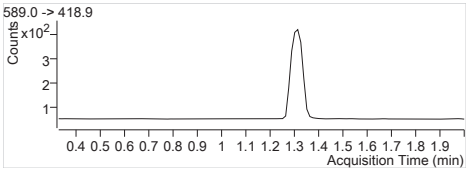
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 20.92 µg/Kg
Area ratio: 8.51302
Sample type: QC



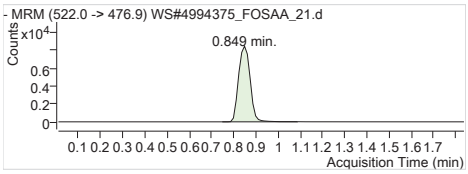


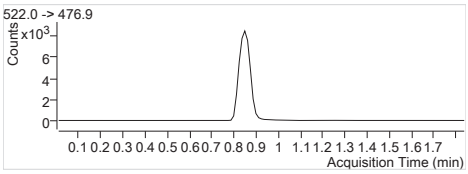
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 78.96 µg/Kg
Area ratio: 0.04779
Sample type: QC





D5-EtFOSAA	589.0 -> 418.9
RT (Exp. RT):	1.313 (1.313)
Calc. conc.	78.82 µg/Kg
Area ratio:	0.04270
Sample type:	QC





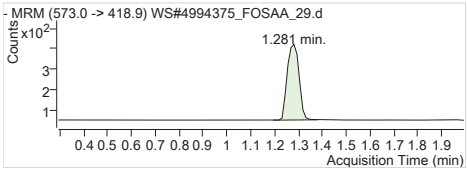
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	109.42 µg/Kg
Area ratio:	0
Sample type:	QC

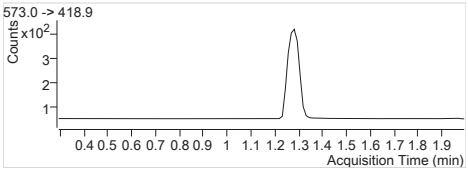
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:MTRX SPK**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_29.d	**Operator**	M_G
Sample Type	QC	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-C3
Acq. Date	2017/05/26 5:08:33 PM	**Injection Volume**	Per Method
Sample Annotation	EKF538		

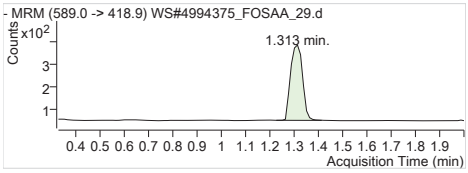
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1279	1.28	1 µg/Kg		
D5-EtFOSAA IS	1152	1.31	1 µg/Kg		
13C9-PFDA IS	31466	0.85	1 µg/Kg		

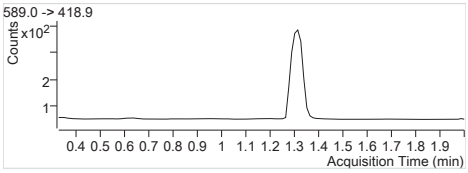
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	9588	1.27	18.80	20.98 µg/Kg	111.61
EtFOSAA 1	10181	1.30	18.80	21.72 µg/Kg	115.51
D3-MeFOSAA	1287	1.28	100.00	67.59 µg/Kg	67.59
D5-EtFOSAA	1162	1.31	100.00	68.13 µg/Kg	68.13
13C9-PFDA	32073	0.85	100.00	115.43 µg/Kg	115.43



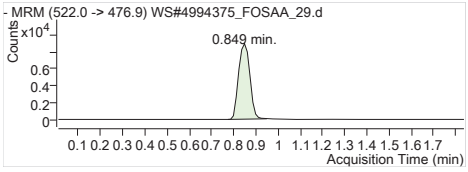


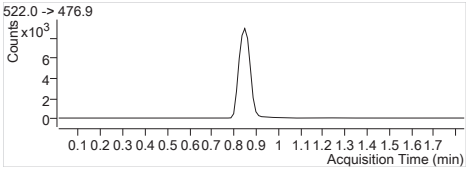
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: QC



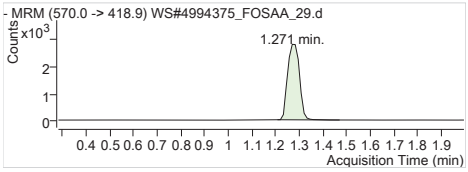


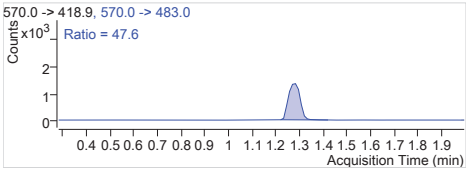
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: QC



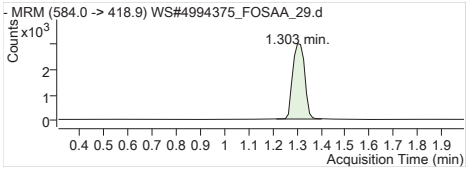


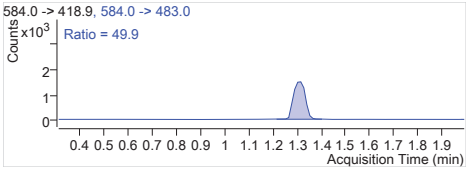
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: QC



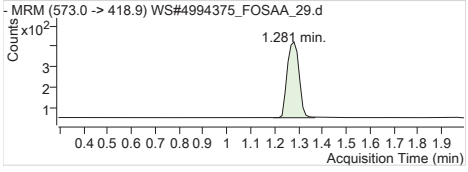


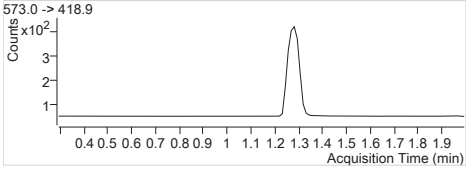
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 20.98 µg/Kg
Area ratio: 7.49648
Sample type: QC



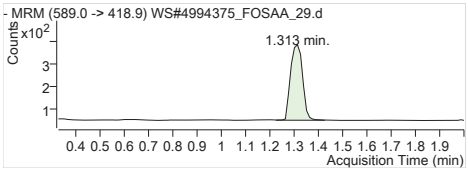


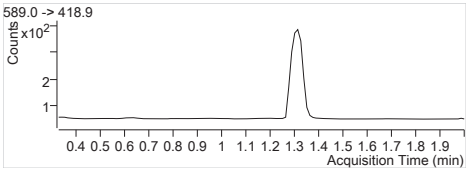
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 21.72 µg/Kg
Area ratio: 8.83767
Sample type: QC



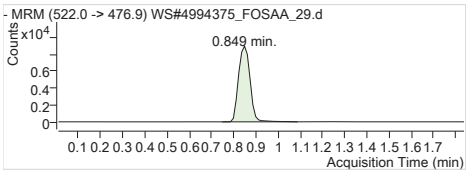


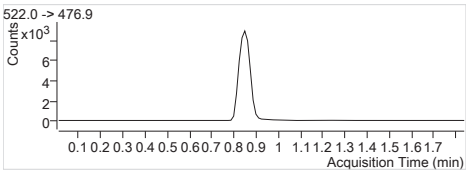
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 67.59 µg/Kg
Area ratio: 0.04091
Sample type: QC





D5-EtFOSAA	589.0 -> 418.9
RT (Exp. RT):	1.313 (1.313)
Calc. conc.	68.13 µg/Kg
Area ratio:	0.03691
Sample type:	QC





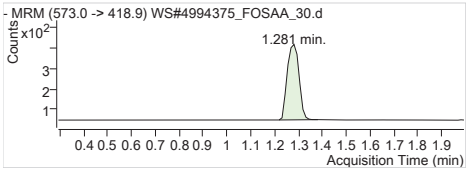
13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	115.43 µg/Kg
Area ratio:	0
Sample type:	QC

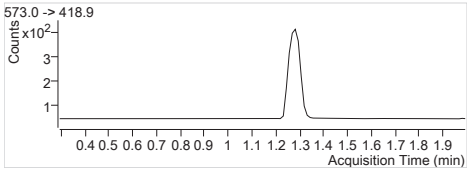
Batch Path	T:\lcms4\PFC\20170526\WS#4994375_FOSAA\QuantResults\PFC_Soil_170526_WS#4994375_FOSAA

Sample Name	**4994375:MTRX SPK:D1**	**Instrument**	LCMS04
Data File	WS#4994375_FOSAA_30.d	**Operator**	M_G
Sample Type	QC	**Dilution**	1
Acq. Method	PFC_Soil_FOSAA.m	**Position**	P1-C4
Acq. Date	2017/05/26 5:10:56 PM	**Injection Volume**	Per Method
Sample Annotation	EKF538		

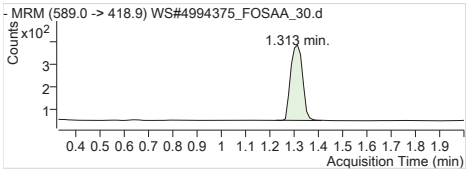
ISTD Compounds	Response	RT	Target conc.		
D3-MeFOSAA IS	1260	1.28	1 µg/Kg		
D5-EtFOSAA IS	1155	1.31	1 µg/Kg		
13C9-PFDA IS	29454	0.85	1 µg/Kg		

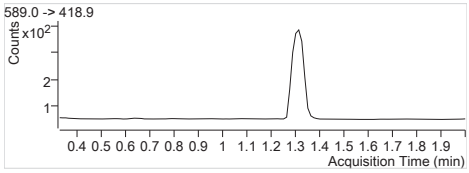
Compound	Response	RT	Target Conc.	Calc. Conc.	Accuracy
MeFOSAA 1	9374	1.27	18.80	20.82 µg/Kg	110.77
EtFOSAA 1	9888	1.30	18.80	21.04 µg/Kg	111.91
D3-MeFOSAA	1275	1.28	100.00	71.50 µg/Kg	71.50
D5-EtFOSAA	1164	1.31	100.00	72.92 µg/Kg	72.92
13C9-PFDA	30022	0.85	100.00	108.05 µg/Kg	108.05



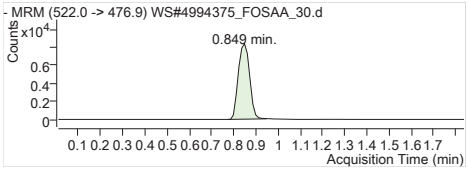


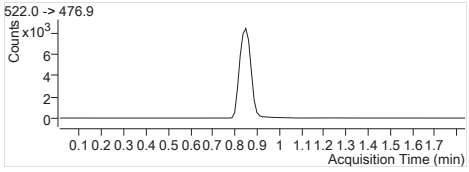
D3-MeFOSAA IS Internal Standard
RT (Exp. RT): 1.281 (1.281)
Concentration: 1 µg/Kg
Sample type: QC



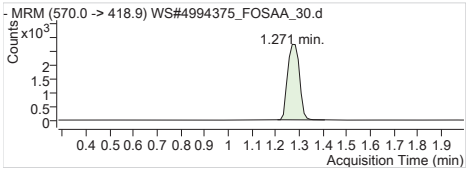


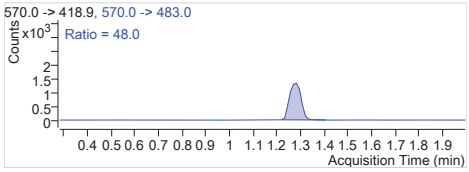
D5-EtFOSAA IS Internal Standard
RT (Exp. RT): 1.313 (1.313)
Concentration: 1 µg/Kg
Sample type: QC



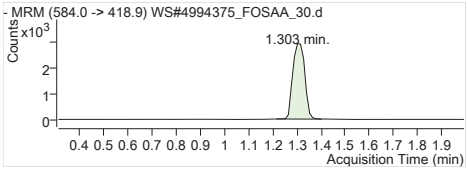


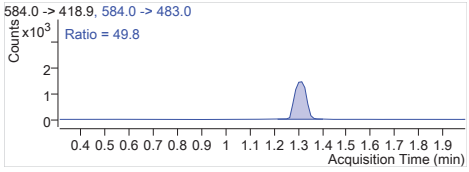
13C9-PFDA IS Internal Standard
RT (Exp. RT): 0.849 (0.849)
Concentration: 1 µg/Kg
Sample type: QC



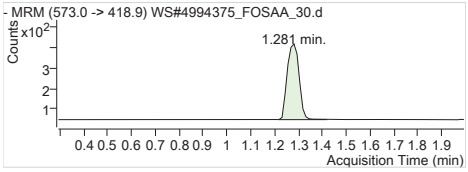


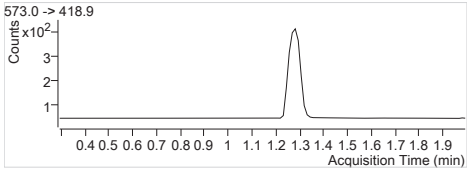
MeFOSAA 1 570.0 -> 418.9
RT (Exp. RT): 1.271 (1.271)
Calc. conc. 20.82 µg/Kg
Area ratio: 7.43968
Sample type: QC



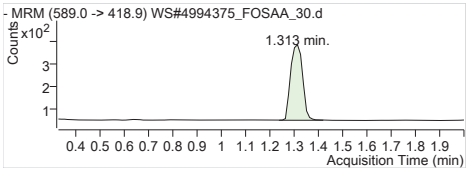


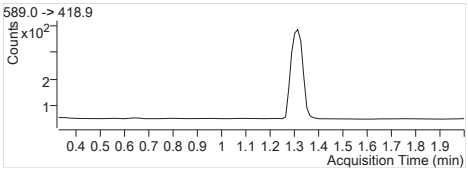
EtFOSAA 1 584.0 -> 418.9
RT (Exp. RT): 1.303 (1.303)
Calc. conc. 21.04 µg/Kg
Area ratio: 8.56104
Sample type: QC



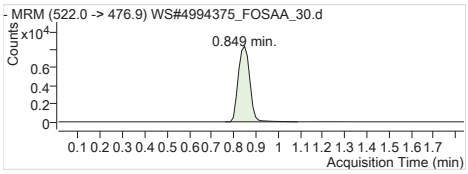


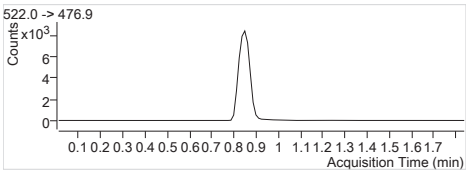
D3-MeFOSAA 573.0 -> 418.9
RT (Exp. RT): 1.281 (1.281)
Calc. conc. 71.50 µg/Kg
Area ratio: 0.04327
Sample type: QC





D5-EtFOSAA	589.0 -> 418.9
RT (Exp. RT):	1.313 (1.313)
Calc. conc.	72.92 µg/Kg
Area ratio:	0.03951
Sample type:	QC





13C9-PFDA	522.0 -> 476.9
RT (Exp. RT):	0.849 (0.849)
Calc. conc.	108.05 µg/Kg
Area ratio:	0
Sample type:	QC

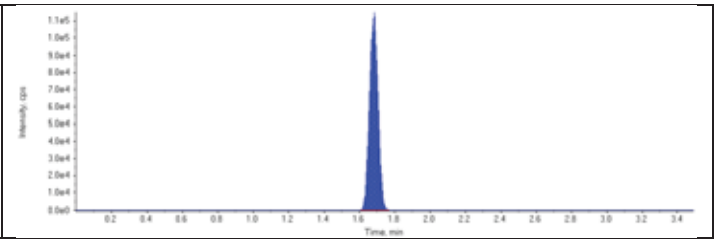
Sample ID	**IB**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/06/13 2:01:39 PM	**Dilution Factor**	1.33
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	381000.	1.68	1.00	-
MPFOA	343000.	1.86	1.00	-
MPFOS	163000.	1.97	1.00	-
MPFNA	376000.	2.01	1.00	-
MPFDA	399000.	2.12	1.00	-
M2 8:2 FTS	82700.	2.09	1.00	-
13C6-PFHxA IS	905000.	1.41	0.752	-
13C9-PFDA IS	984000.	2.11	0.752	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1040	1.86	N/A	0.0681	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	736	2.12	N/A	0.150	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	381000	1.68	N/A	115.	N/A
13C4-PFOA	343000	1.86	N/A	123.	N/A
13C4-PFOS	163000	1.97	N/A	129.	N/A
13C5-PFNA	376000	2.01	N/A	119.	N/A
13C2-PFDA	399000	2.12	N/A	122.	N/A
13C2-8:2 FTS	82700	2.09	N/A	99.3	N/A
13C6-PFHxA	905000	1.41	N/A	116.	N/A
13C9-PFDA	984000	2.11	N/A	119.	N/A

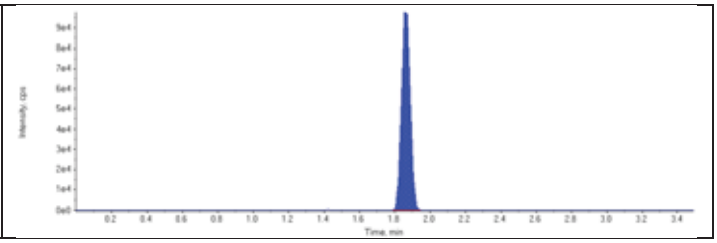
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



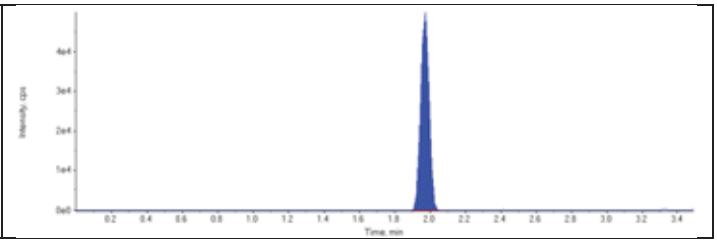
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



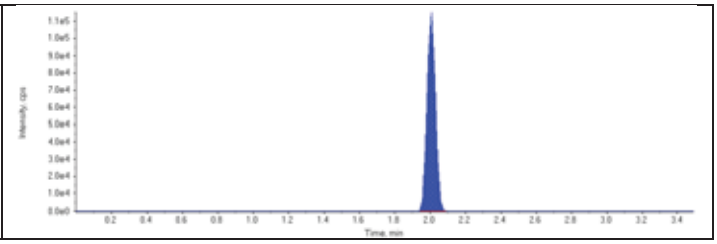
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



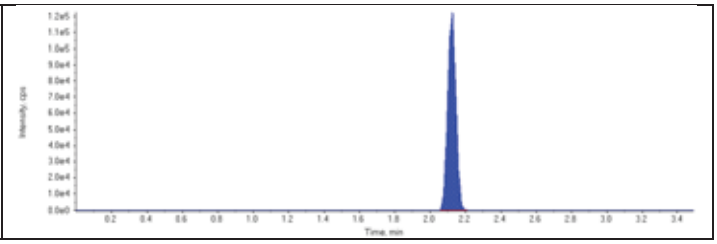
MPFNA (Internal Standard)

RT (Exp. RT): 2.01(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



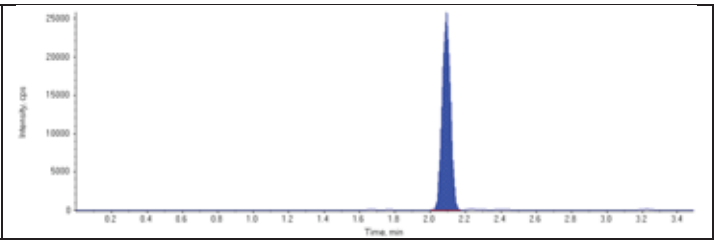
MPFDA (Internal Standard)

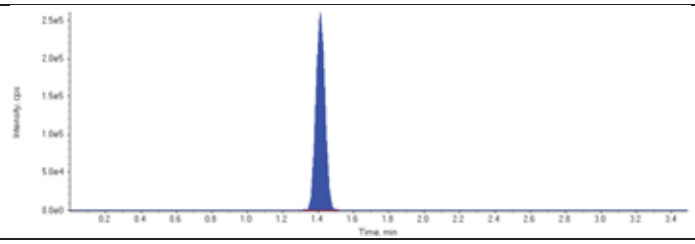
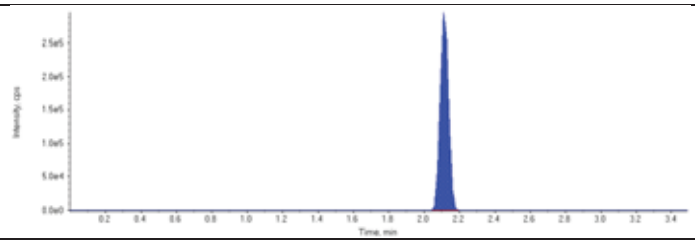
RT (Exp. RT): 2.12(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

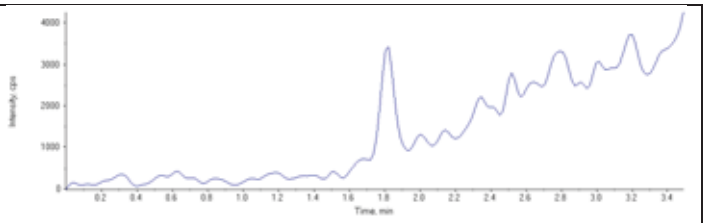
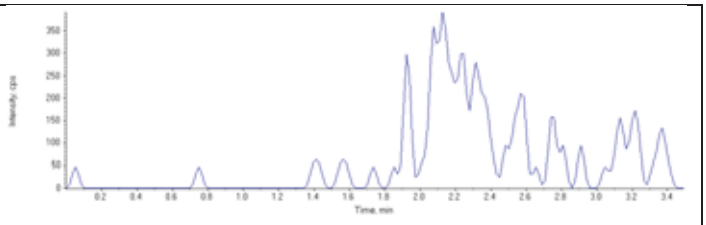
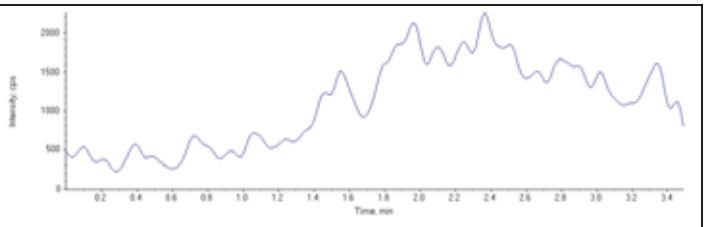
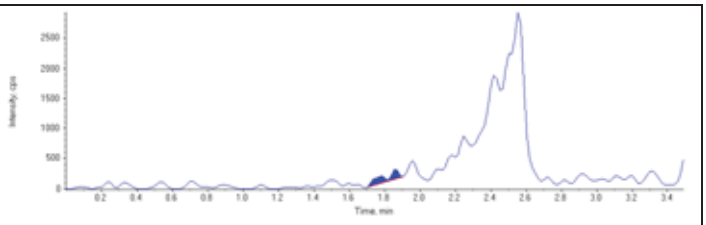
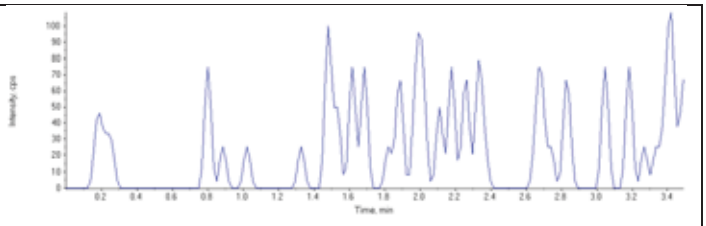
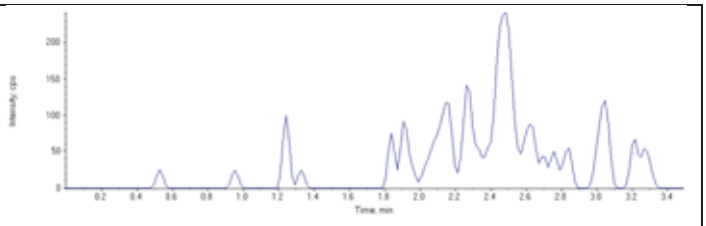


M2 8:2 FTS (Internal Standard)

RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.752 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.752 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 0.0681 µg/kg Area Ratio: 0.00303 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (2.05) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 0.00 (1.97) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

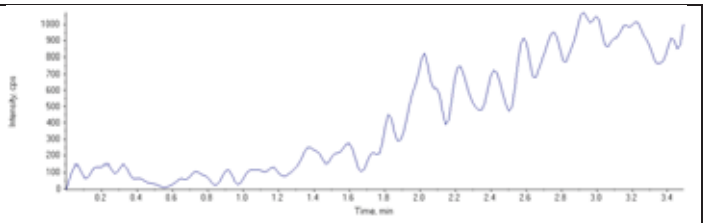
PFNA 1 (462.900/419.000 Da)

RT (Exp. RT): 0.00 (2.07) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



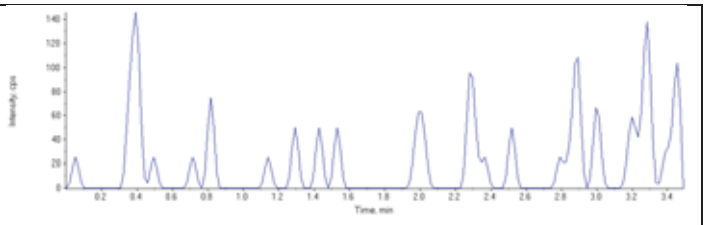
PFNA 2 (462.900/219.100 Da)

RT (Exp. RT): 0.00 (2.07) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



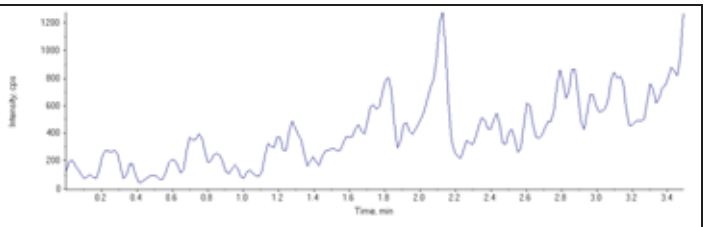
PFDA 1 (513.000/469.100 Da)

RT (Exp. RT): 0.00 (2.18) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



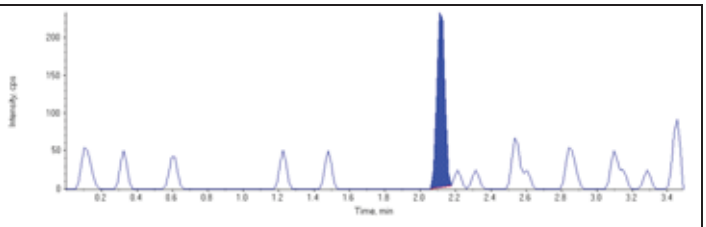
PFDA 2 (513.000/218.900 Da)

RT (Exp. RT): 2.12 (2.18) min

Calculated Conc: 0.150 µg/kg

Area Ratio: 0.00184

Sample Type: (Unknown)



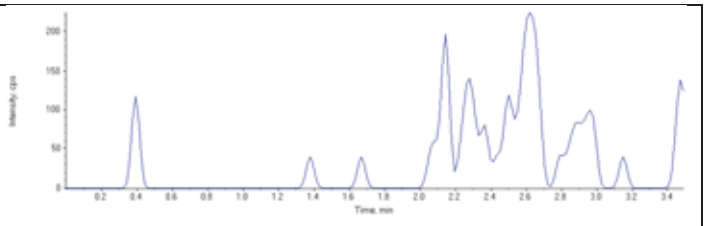
8:2-FTS 1 (526.900/507.000 Da)

RT (Exp. RT): 0.00 (2.16) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



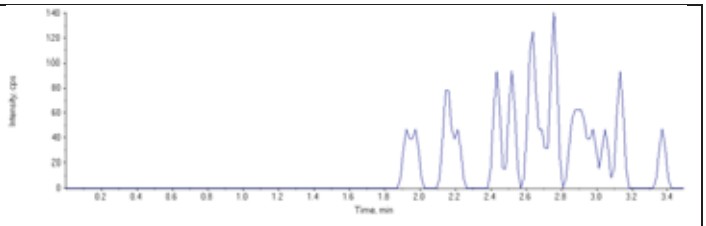
8:2-FTS 2 (526.900/80.900 Da)

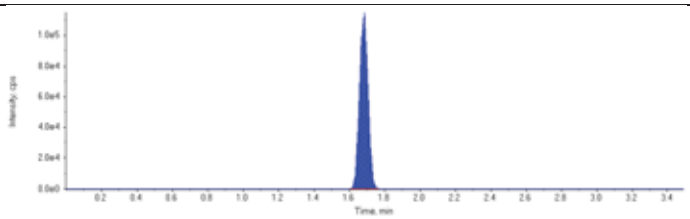
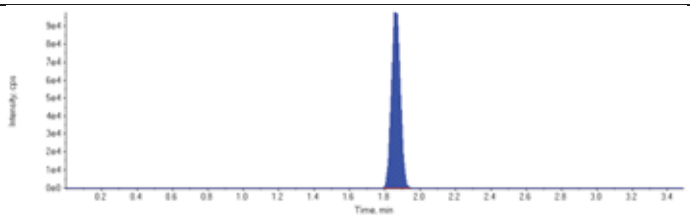
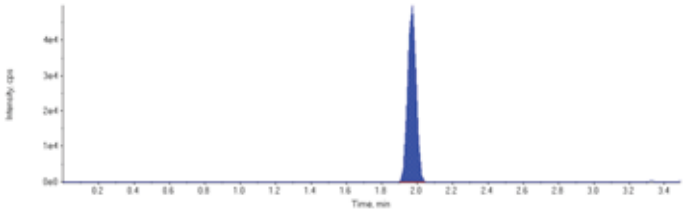
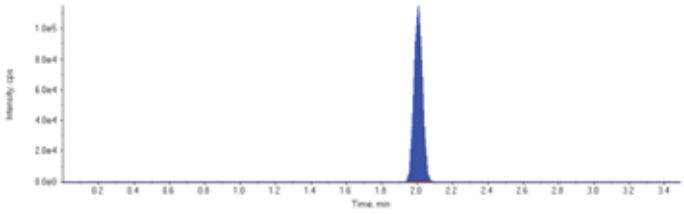
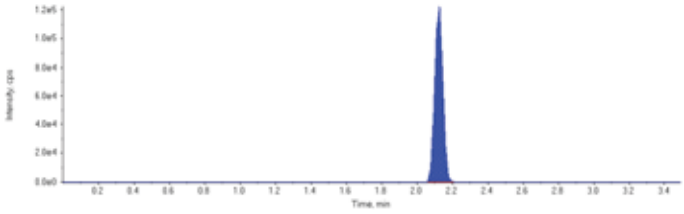
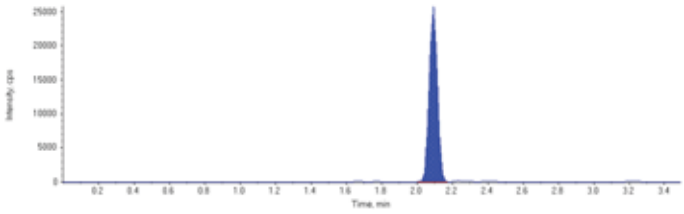
RT (Exp. RT): 0.00 (2.09) min

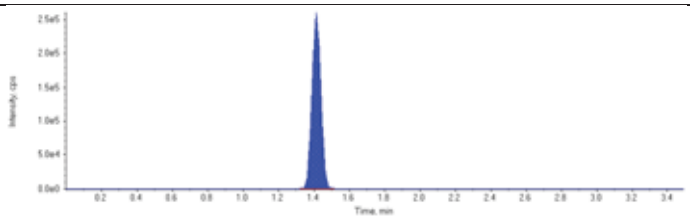
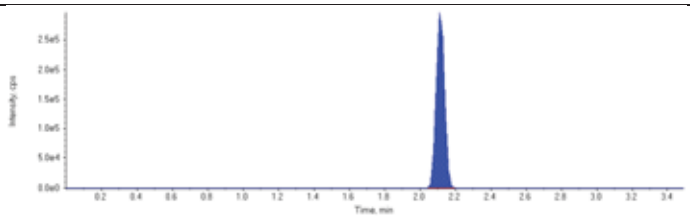
Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 115. µg/kg Area Ratio: 0.421 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 123. µg/kg Area Ratio: 0.378 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 129. µg/kg Area Ratio: 0.180 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 119. µg/kg Area Ratio: 0.415 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 122. µg/kg Area Ratio: 0.405 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 99.3 µg/kg Area Ratio: 0.0914 Sample Type: (Unknown)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 116. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 119. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

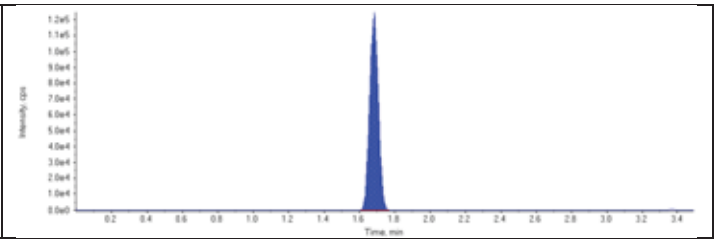
Sample ID	**IB**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/06/13 3:43:03 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	421000.	1.68	1.00	-
MPFOA	337000.	1.86	1.00	-
MPFOS	159000.	1.97	1.00	-
MPFNA	403000.	2.01	1.00	-
MPFDA	420000.	2.12	1.00	-
M2 8:2 FTS	106000.	2.09	1.00	-
13C6-PFHxA IS	936000.	1.41	1.00	-
13C9-PFDA IS	1050000.	2.11	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1070	1.87	N/A	0.0522	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	1020	2.01	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	612	2.11	N/A	0.108	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	421000	1.68	N/A	123.	N/A
13C4-PFOA	337000	1.86	N/A	117.	N/A
13C4-PFOS	159000	1.97	N/A	121.	N/A
13C5-PFNA	403000	2.01	N/A	123.	N/A
13C2-PFDA	420000	2.12	N/A	121.	N/A
13C2-8:2 FTS	106000	2.09	N/A	123.	N/A
13C6-PFHxA	936000	1.41	N/A	90.5	N/A
13C9-PFDA	1050000	2.11	N/A	95.7	N/A

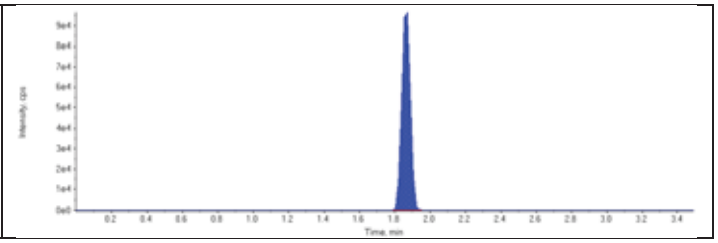
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



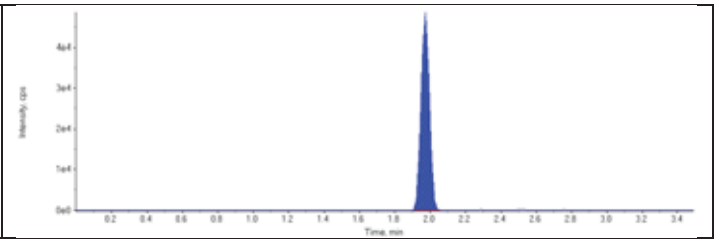
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



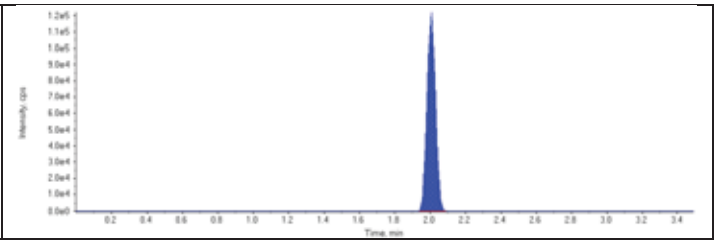
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



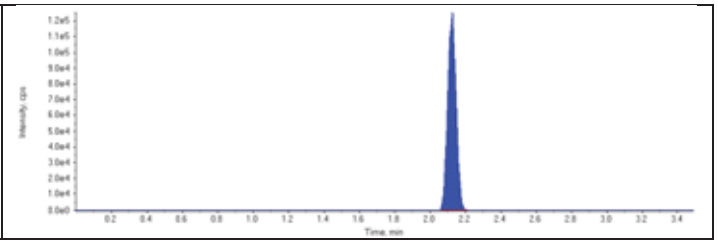
MPFNA (Internal Standard)

RT (Exp. RT): 2.01(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



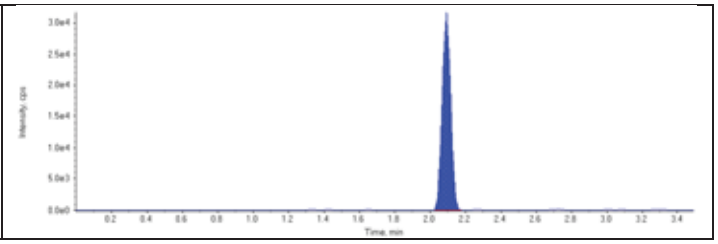
MPFDA (Internal Standard)

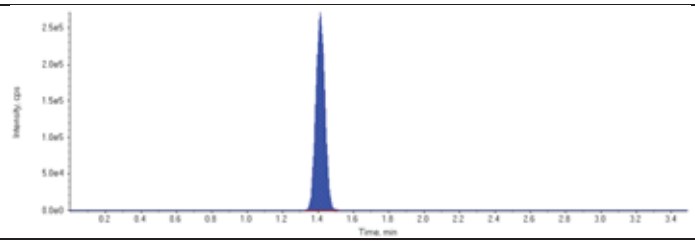
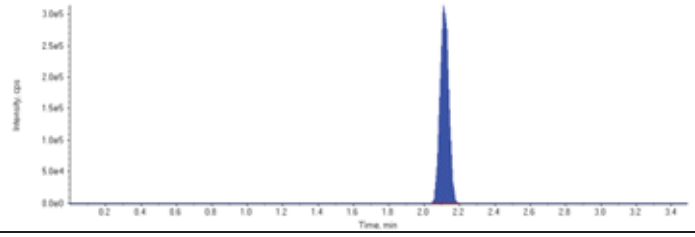
RT (Exp. RT): 2.12(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

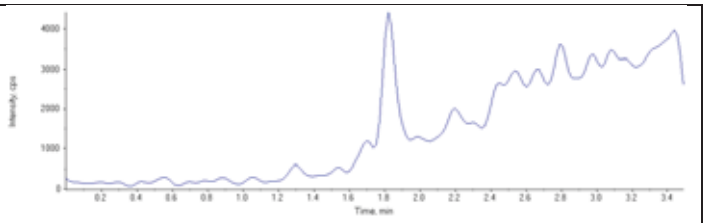
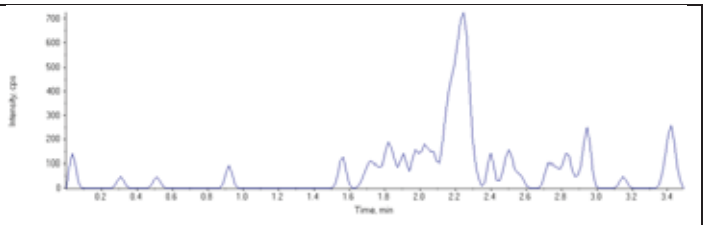
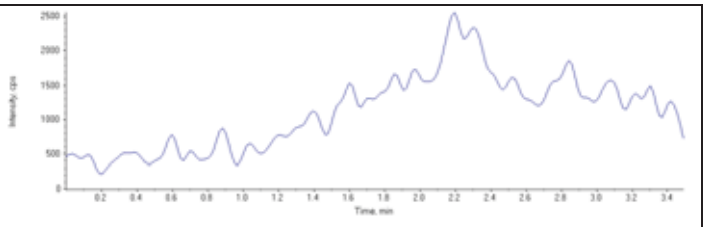
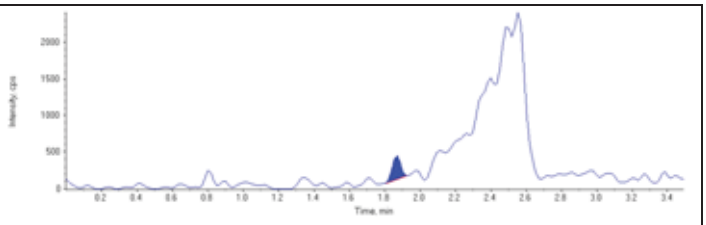
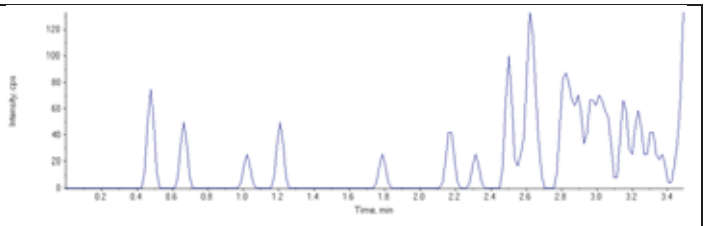
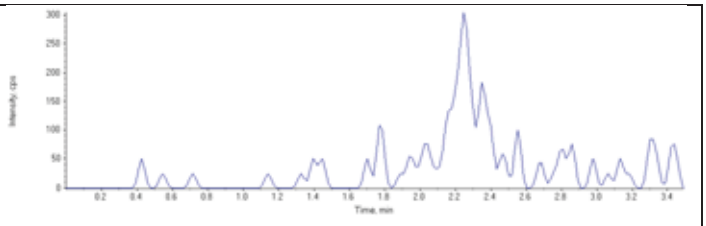


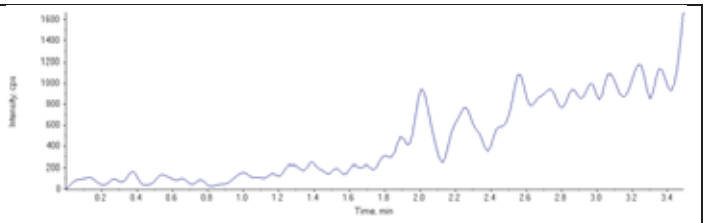
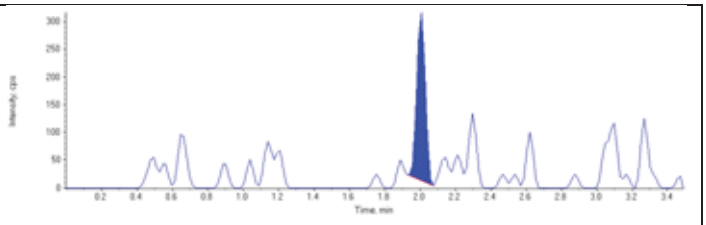
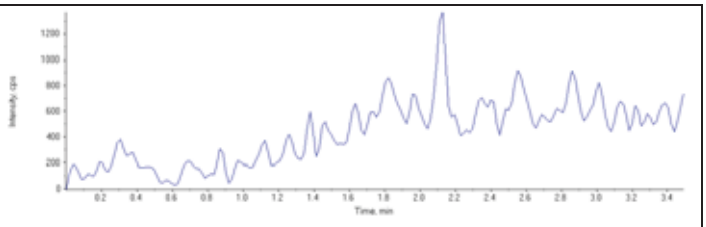
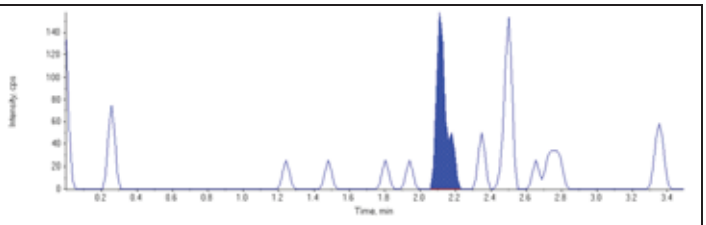
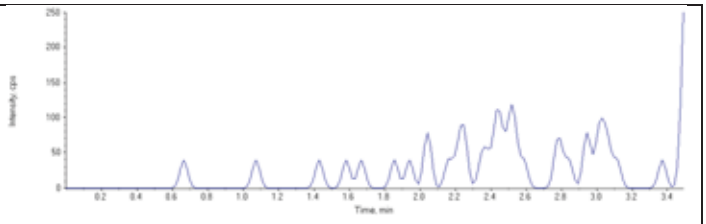
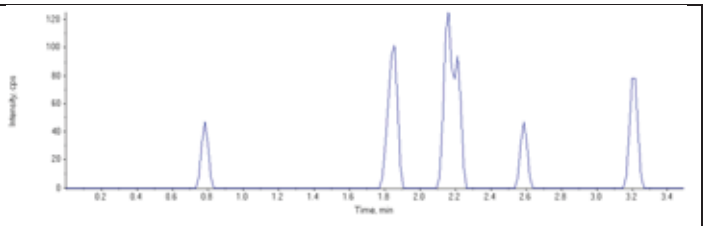
M2 8:2 FTS (Internal Standard)

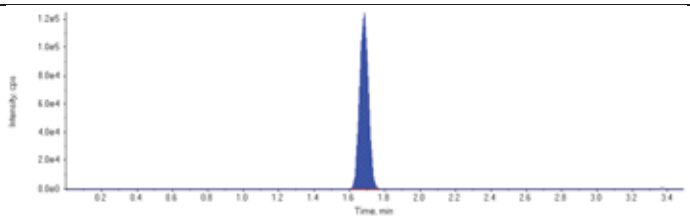
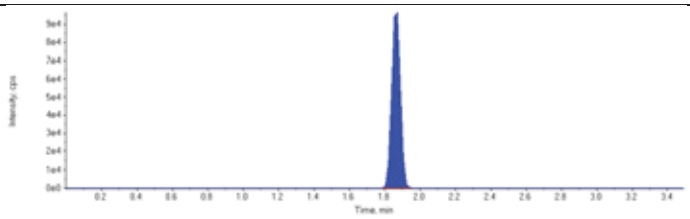
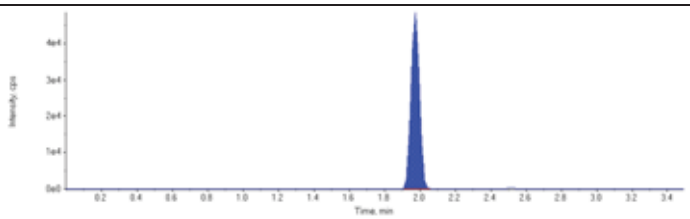
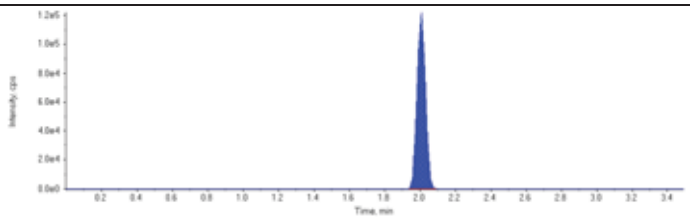
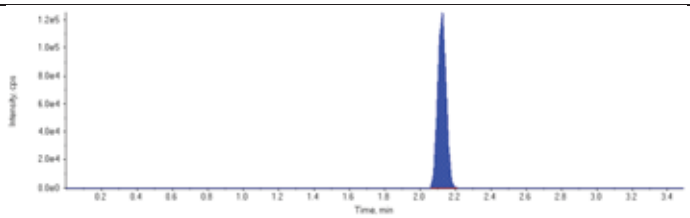
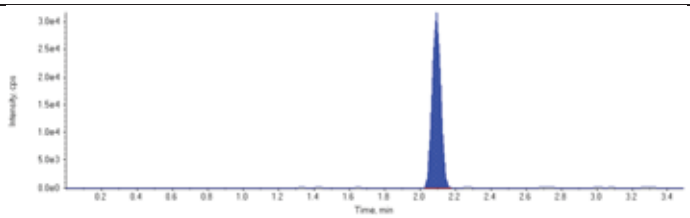
RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

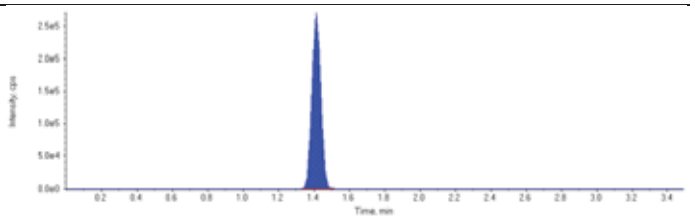
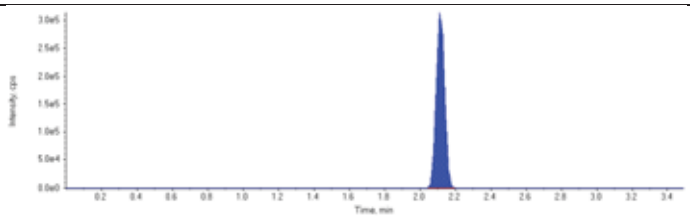


13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.87 (1.85) min Calculated Conc: 0.0522 µg/kg Area Ratio: 0.00318 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (2.05) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 0.00 (1.97) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00252 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 0.108 µg/kg Area Ratio: 0.00146 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 123. µg/kg Area Ratio: 0.449 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 117. µg/kg Area Ratio: 0.360 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 121. µg/kg Area Ratio: 0.170 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 123. µg/kg Area Ratio: 0.431 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 121. µg/kg Area Ratio: 0.399 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 123. µg/kg Area Ratio: 0.113 Sample Type: (Unknown)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 90.5 µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 95.7 µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

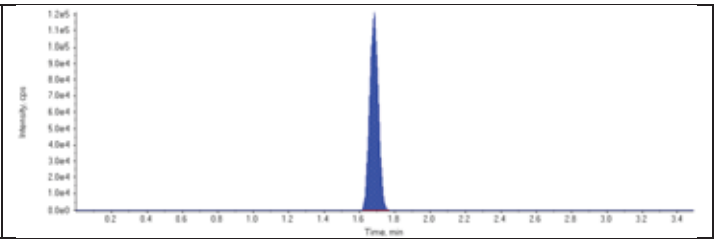
Sample ID	**IB**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/06/13 3:58:19 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	404000.	1.68	1.00	-
MPFOA	361000.	1.86	1.00	-
MPFOS	161000.	1.97	1.00	-
MPFNA	395000.	2.01	1.00	-
MPFDA	404000.	2.12	1.00	-
M2 8:2 FTS	91600.	2.09	1.00	-
13C6-PFHxA IS	999000.	1.41	1.00	-
13C9-PFDA IS	997000.	2.11	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1840	1.82	N/A	0.0647	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1330	2.12	N/A	0.134	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	404000	1.68	N/A	111.	N/A
13C4-PFOA	361000	1.86	N/A	118.	N/A
13C4-PFOS	161000	1.97	N/A	115.	N/A
13C5-PFNA	395000	2.01	N/A	113.	N/A
13C2-PFDA	404000	2.12	N/A	122.	N/A
13C2-8:2 FTS	91600	2.09	N/A	99.7	N/A
13C6-PFHxA	999000	1.41	N/A	96.5	N/A
13C9-PFDA	997000	2.11	N/A	90.7	N/A

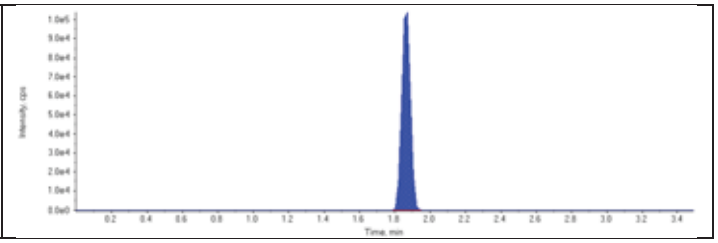
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



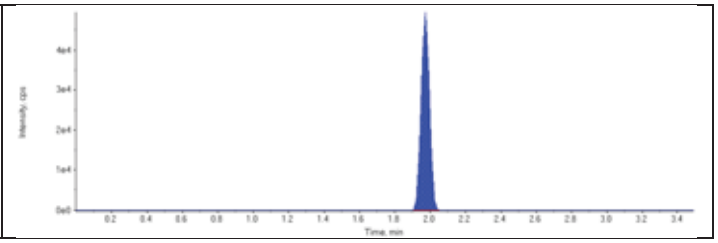
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



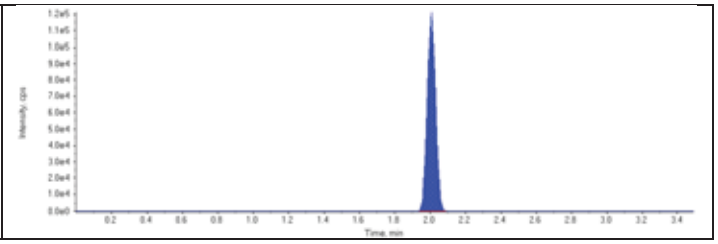
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



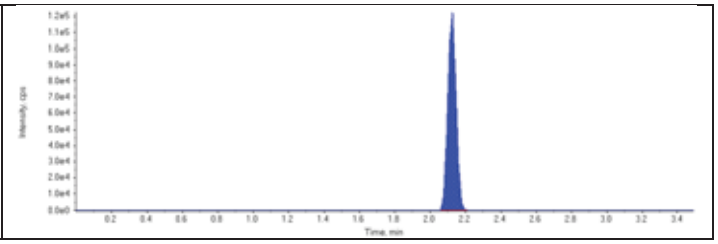
MPFNA (Internal Standard)

RT (Exp. RT): 2.01(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



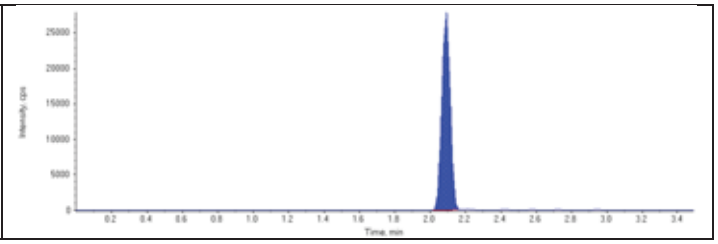
MPFDA (Internal Standard)

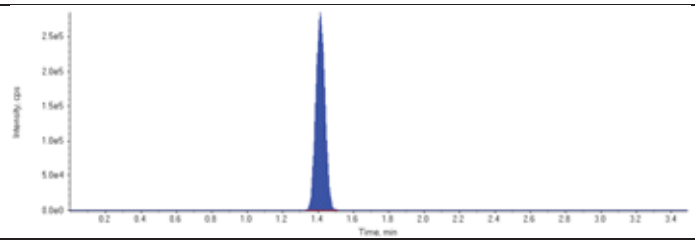
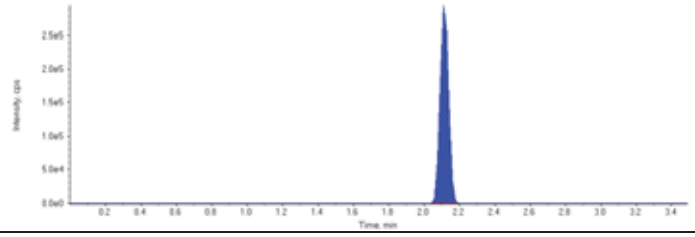
RT (Exp. RT): 2.12(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



M2 8:2 FTS (Internal Standard)

RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

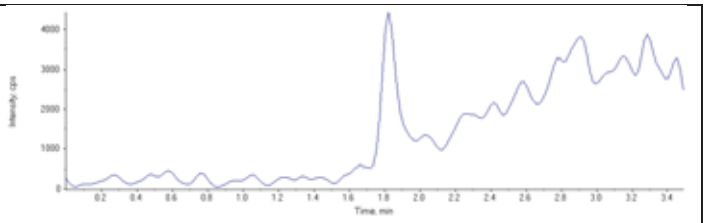
PFHpA 1 (363.000/319.000 Da)

RT (Exp. RT): 0.00 (1.68) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



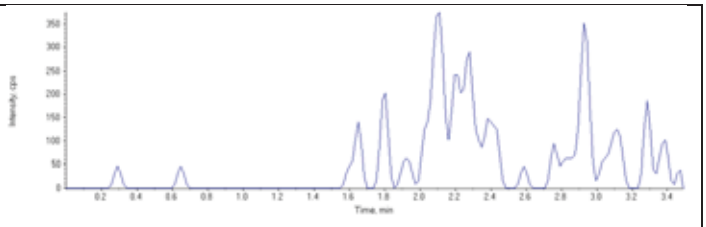
PFHpA 2 (363.000/169.200 Da)

RT (Exp. RT): 0.00 (1.68) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



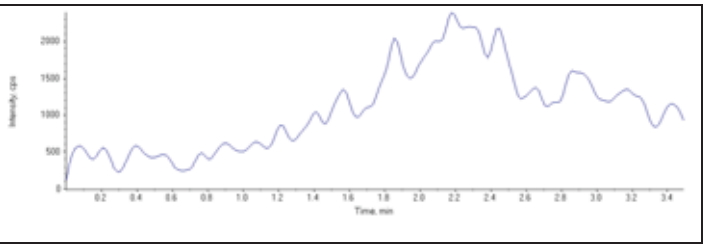
PFOA 1 (413.100/369.000 Da)

RT (Exp. RT): 0.00 (1.85) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



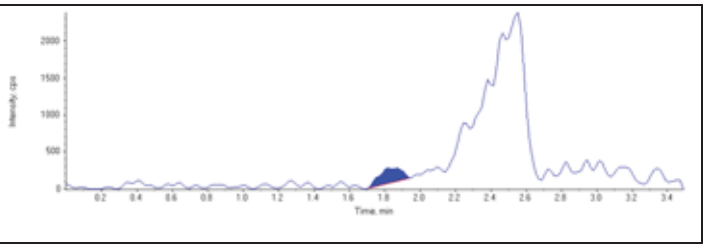
PFOA 2 (413.100/169.000 Da)

RT (Exp. RT): 1.82 (1.85) min

Calculated Conc: 0.0647 µg/kg

Area Ratio: 0.00509

Sample Type: (Unknown)



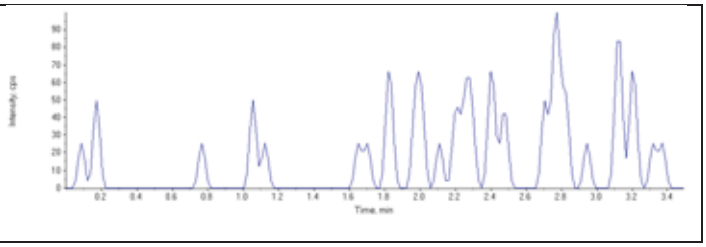
PFOS 1 (498.900/79.900 Da)

RT (Exp. RT): 0.00 (2.05) min

Calculated Conc: N/A µg/kg

Area Ratio: 0.00

Sample Type: (Unknown)



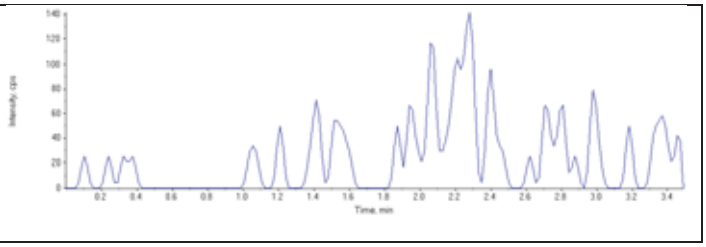
PFOS 2 (498.900/98.900 Da)

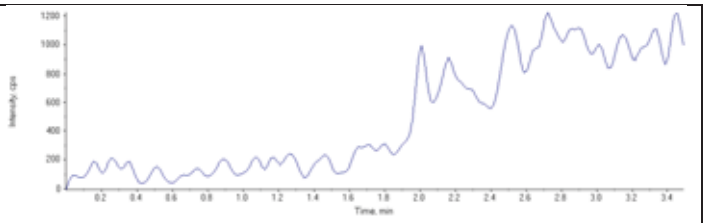
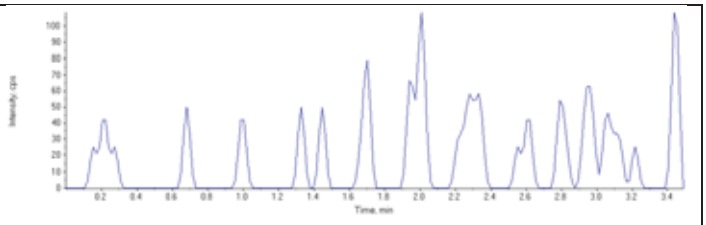
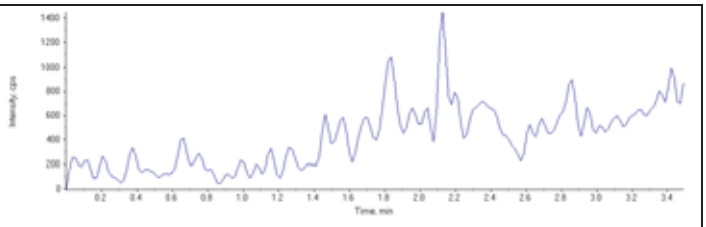
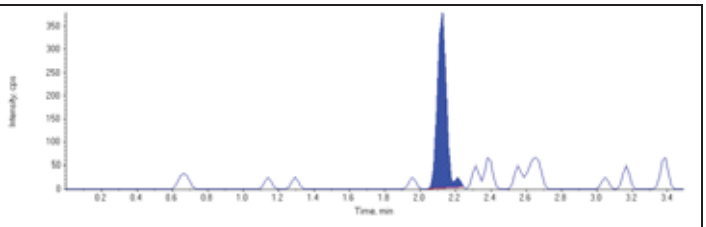
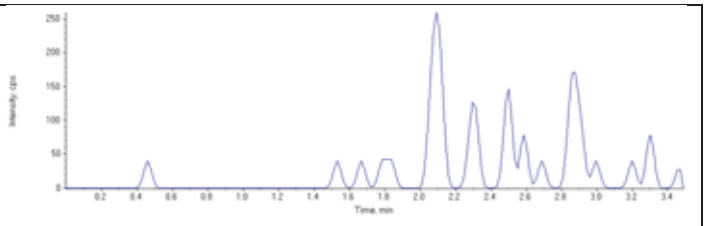
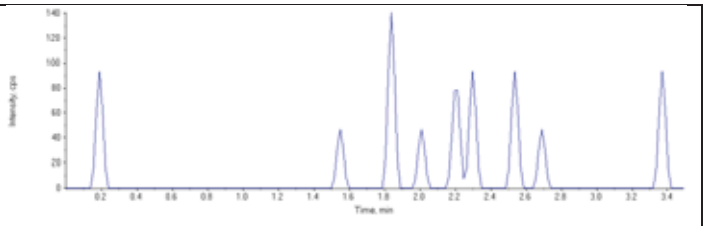
RT (Exp. RT): 0.00 (1.97) min

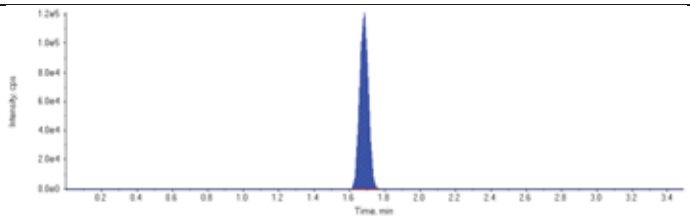
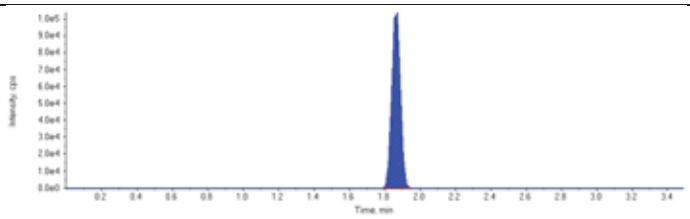
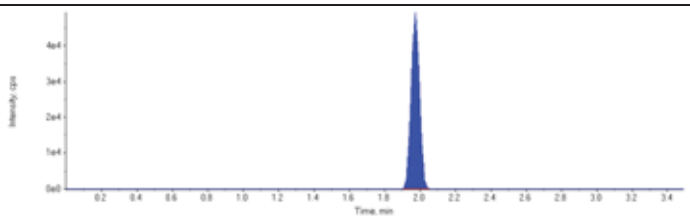
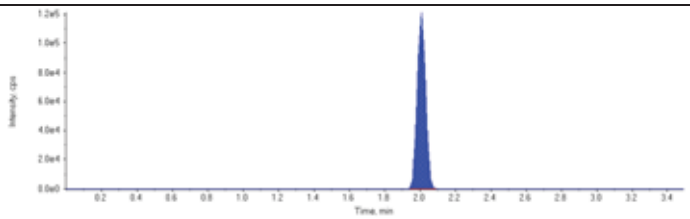
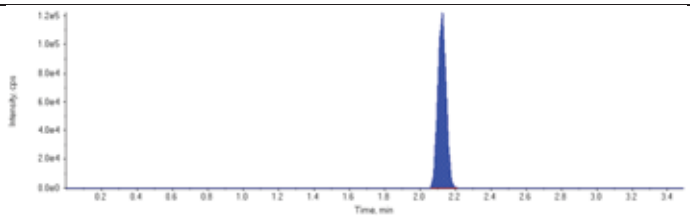
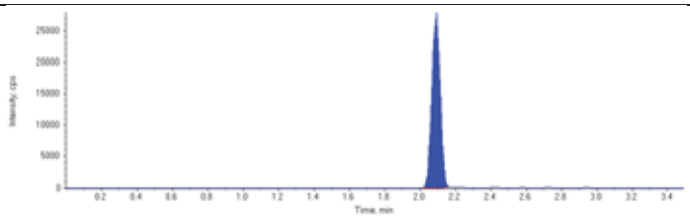
Calculated Conc: N/A µg/kg

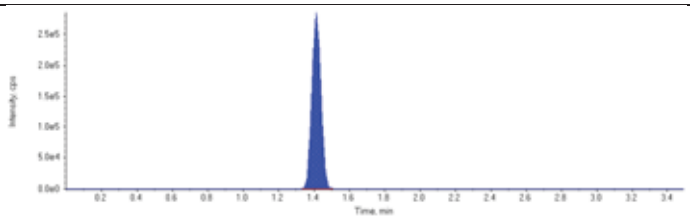
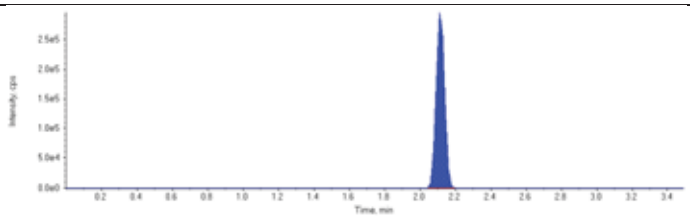
Area Ratio: 0.00

Sample Type: (Unknown)



PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 0.134 µg/kg Area Ratio: 0.00330 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 111. µg/kg Area Ratio: 0.405 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 118. µg/kg Area Ratio: 0.362 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 115. µg/kg Area Ratio: 0.161 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 113. µg/kg Area Ratio: 0.396 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 122. µg/kg Area Ratio: 0.405 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 99.7 µg/kg Area Ratio: 0.0917 Sample Type: (Unknown)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 96.5 µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 90.7 µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

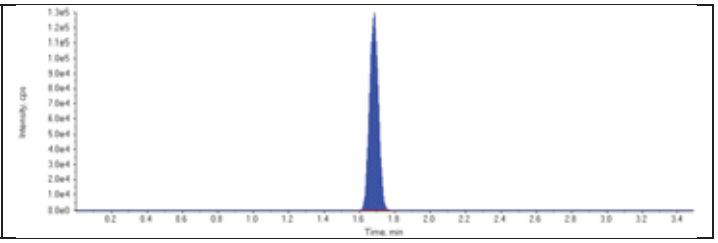
Sample ID	**IB**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/06/13 4:13:31 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	439000.	1.68	1.00	-
MPFOA	349000.	1.86	1.00	-
MPFOS	163000.	1.97	1.00	-
MPFNA	405000.	2.01	1.00	-
MPFDA	354000.	2.12	1.00	-
M2 8:2 FTS	94600.	2.09	1.00	-
13C6-PFHxA IS	999000.	1.41	1.00	-
13C9-PFDA IS	1090000.	2.11	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1390	1.87	N/A	0.0575	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1050	2.13	N/A	0.129	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	439000	1.68	N/A	120.	N/A
13C4-PFOA	349000	1.86	N/A	114.	N/A
13C4-PFOS	163000	1.97	N/A	117.	N/A
13C5-PFNA	405000	2.01	N/A	116.	N/A
13C2-PFDA	354000	2.12	N/A	98.2	N/A
13C2-8:2 FTS	94600	2.09	N/A	103.	N/A
13C6-PFHxA	999000	1.41	N/A	96.5	N/A
13C9-PFDA	1090000	2.11	N/A	98.9	N/A

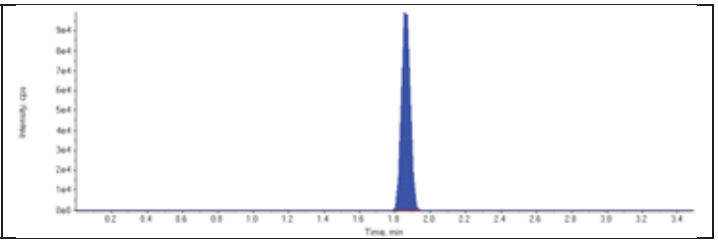
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



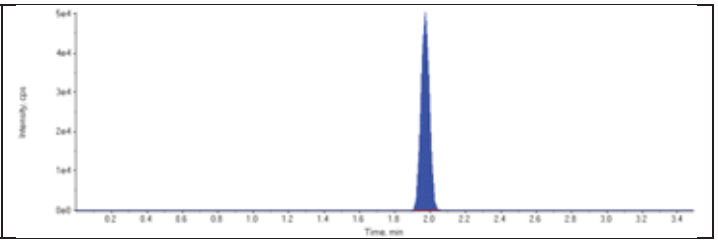
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



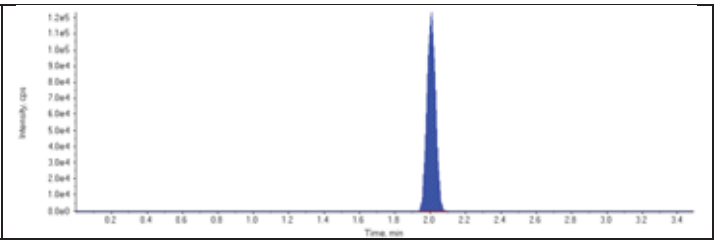
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



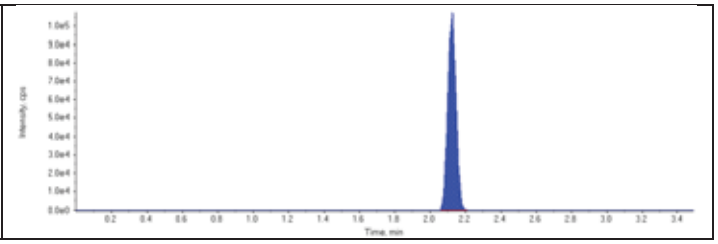
MPFNA (Internal Standard)

RT (Exp. RT): 2.01(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



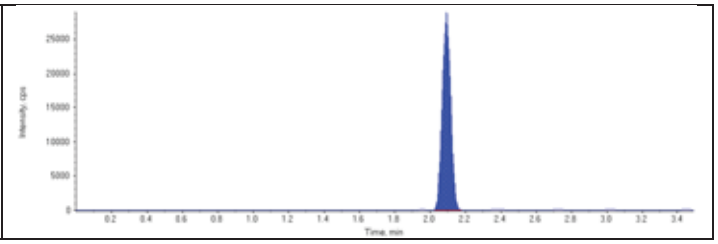
MPFDA (Internal Standard)

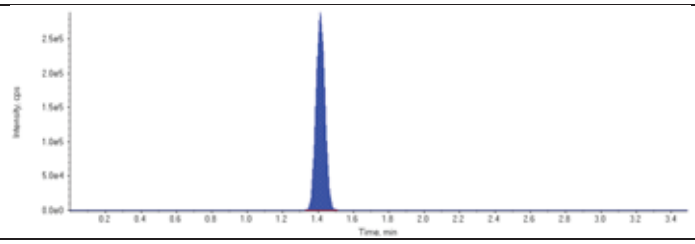
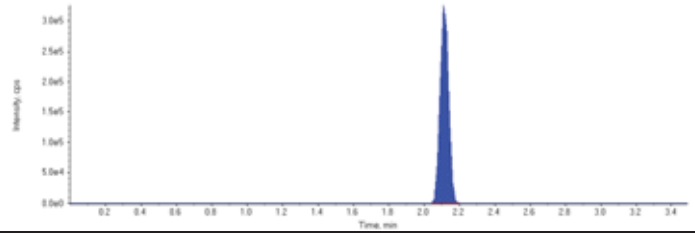
RT (Exp. RT): 2.12(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

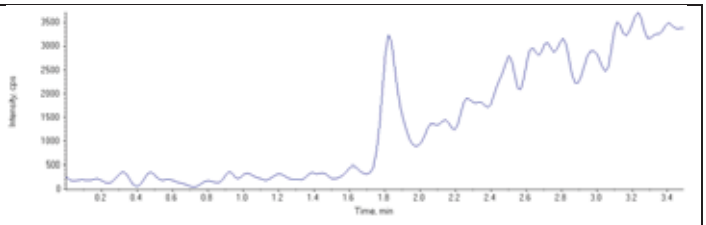
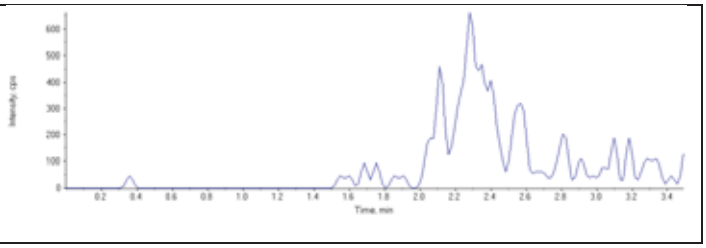
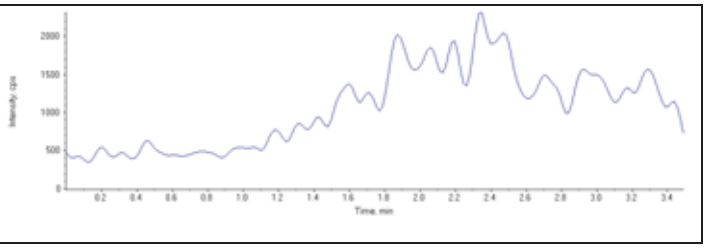
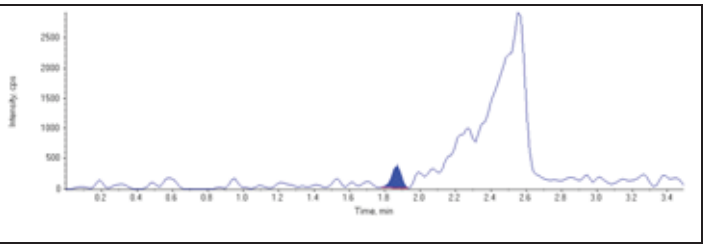
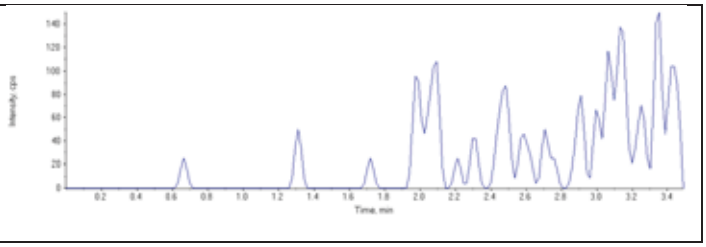
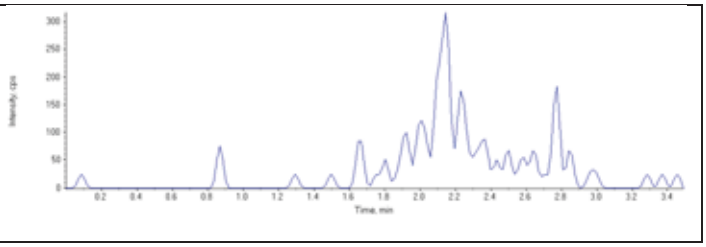


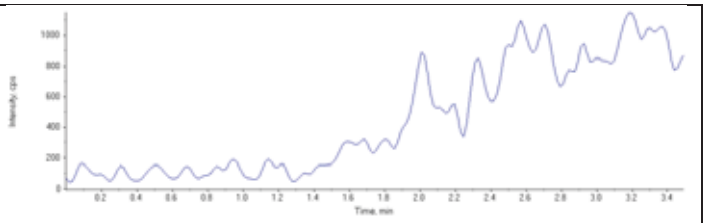
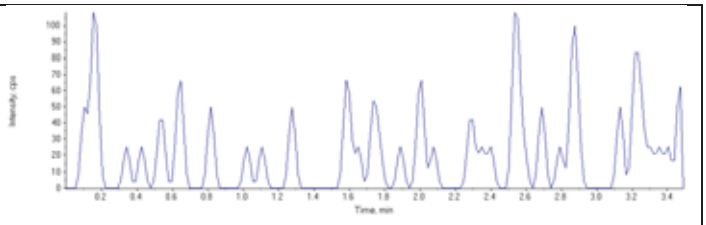
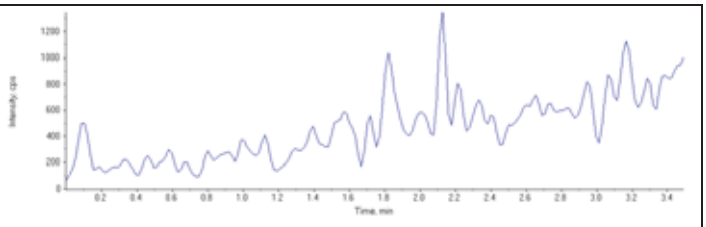
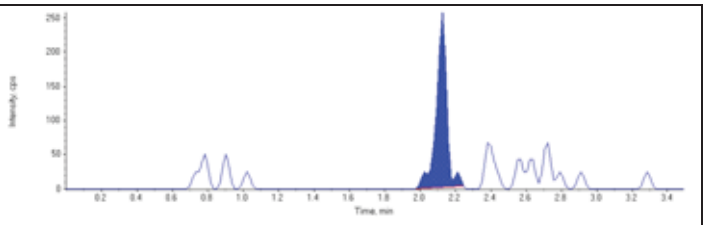
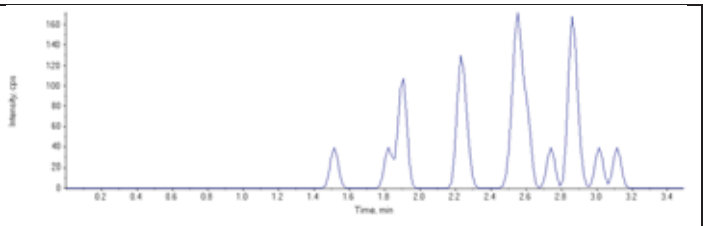
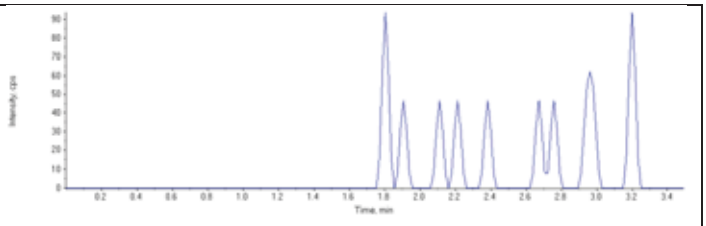
M2 8:2 FTS (Internal Standard)

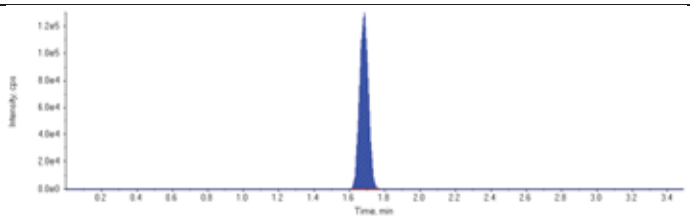
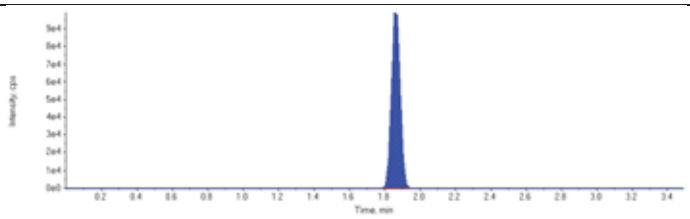
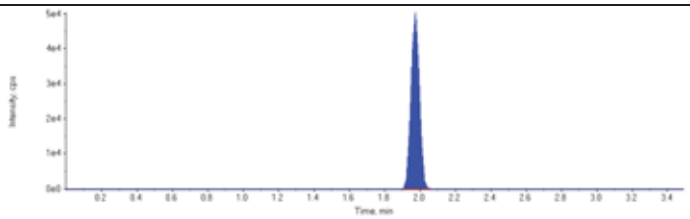
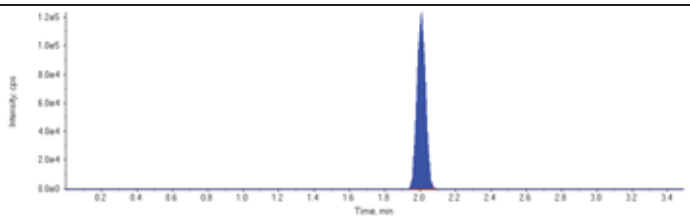
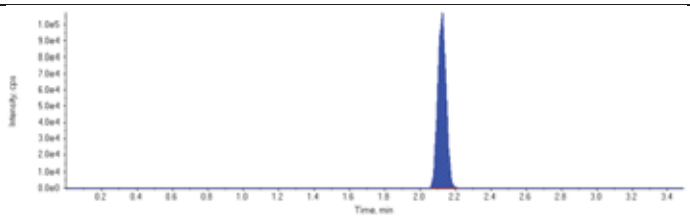
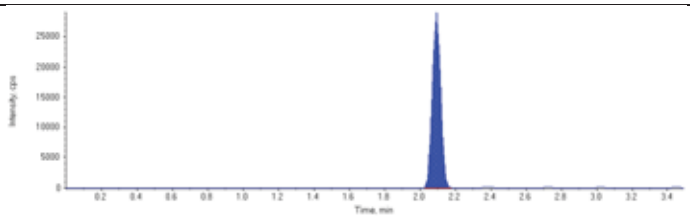
RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

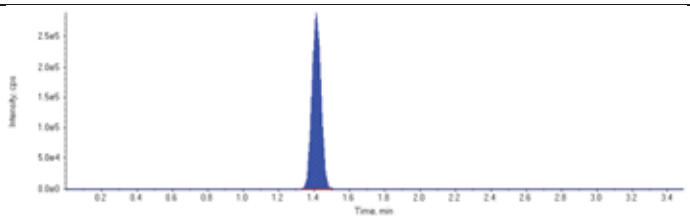
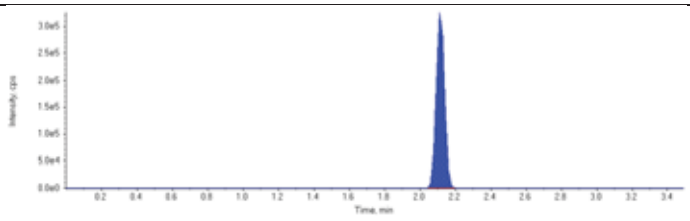


13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.87 (1.85) min Calculated Conc: 0.0575 µg/kg Area Ratio: 0.00399 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (2.05) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 0.00 (1.97) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.13 (2.18) min Calculated Conc: 0.129 µg/kg Area Ratio: 0.00298 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 120. µg/kg Area Ratio: 0.439 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 114. µg/kg Area Ratio: 0.349 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 117. µg/kg Area Ratio: 0.163 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 116. µg/kg Area Ratio: 0.406 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 98.2 µg/kg Area Ratio: 0.325 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 103. µg/kg Area Ratio: 0.0948 Sample Type: (Unknown)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 96.5 µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 98.9 µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

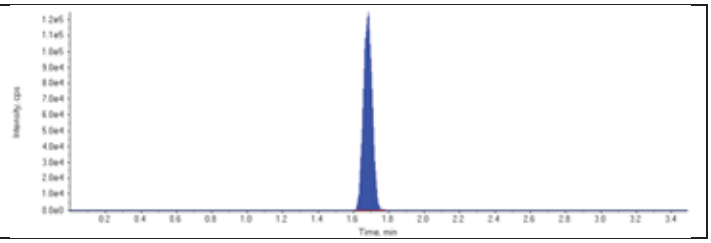
Sample ID	**IB**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/06/13 4:28:44 PM	**Dilution Factor**	1.00
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	421000.	1.68	1.00	-
MPFOA	350000.	1.86	1.00	-
MPFOS	140000.	1.97	1.00	-
MPFNA	425000.	2.01	1.00	-
MPFDA	392000.	2.13	1.00	-
M2 8:2 FTS	82800.	2.09	1.00	-
13C6-PFHxA IS	1040000.	1.41	1.00	-
13C9-PFDA IS	970000.	2.12	1.00	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	2160	1.87	N/A	0.0718	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	1160	2.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	421000	1.68	N/A	110.	N/A
13C4-PFOA	350000	1.86	N/A	109.	N/A
13C4-PFOS	140000	1.97	N/A	96.1	N/A
13C5-PFNA	425000	2.01	N/A	117.	N/A
13C2-PFDA	392000	2.13	N/A	122.	N/A
13C2-8:2 FTS	82800	2.09	N/A	86.3	N/A
13C6-PFHxA	1040000	1.41	N/A	101.	N/A
13C9-PFDA	970000	2.12	N/A	88.2	N/A

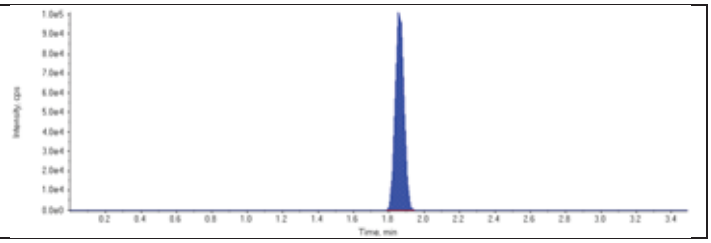
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



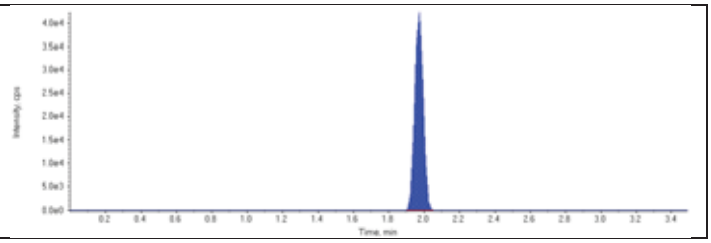
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



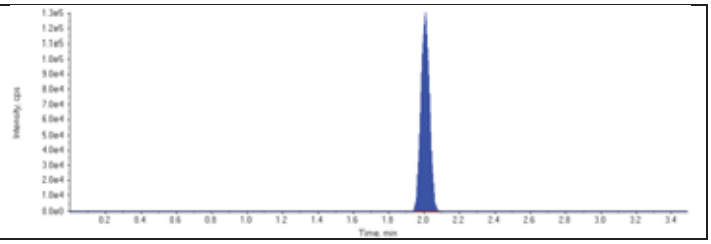
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



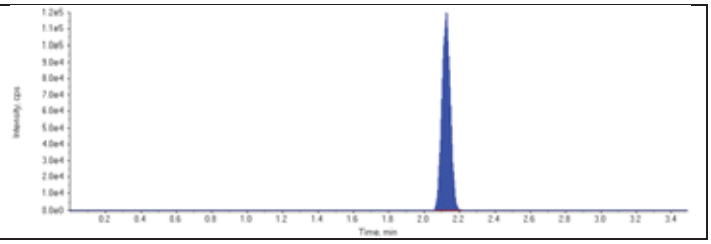
MPFNA (Internal Standard)

RT (Exp. RT): 2.01(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)



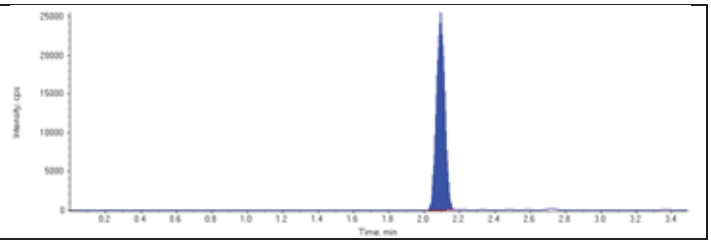
MPFDA (Internal Standard)

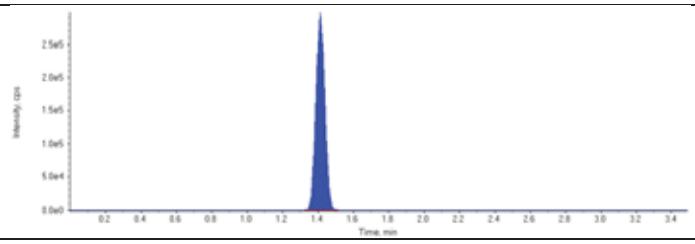
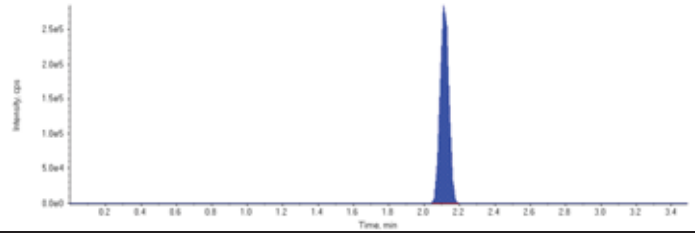
RT (Exp. RT): 2.13(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

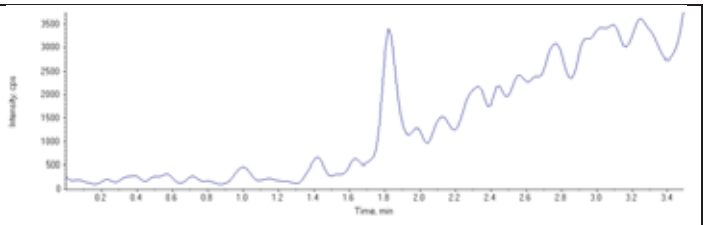
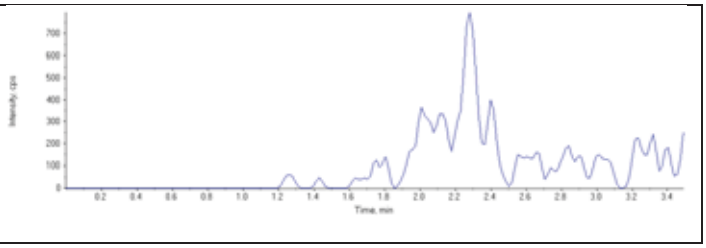
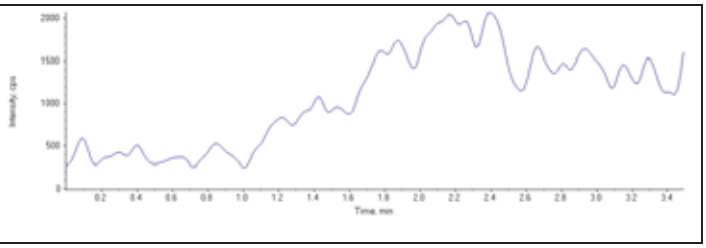
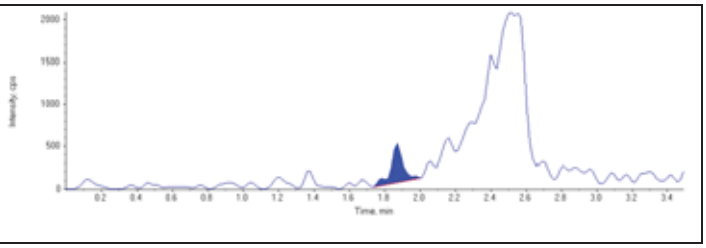
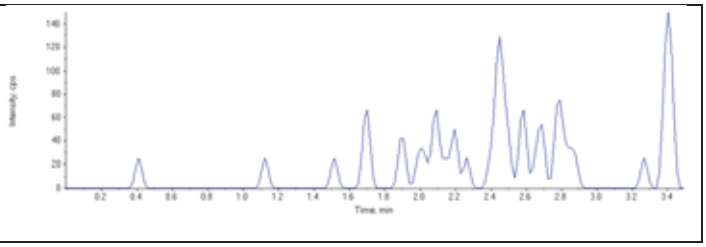
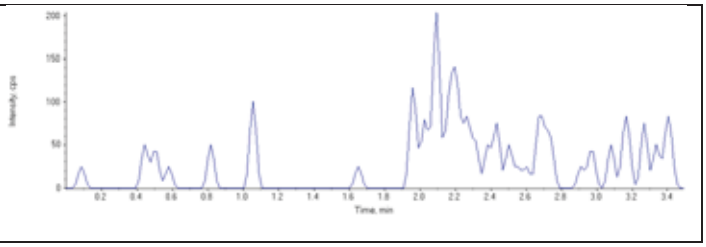


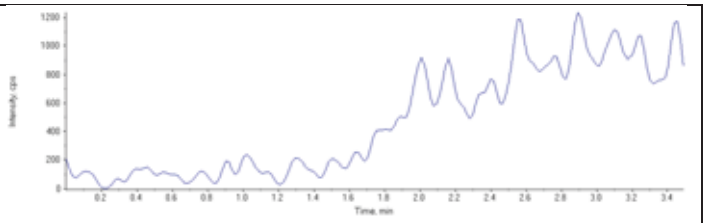
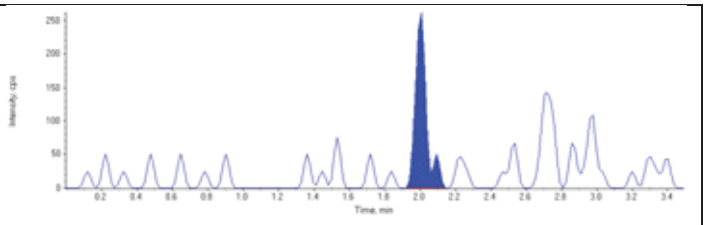
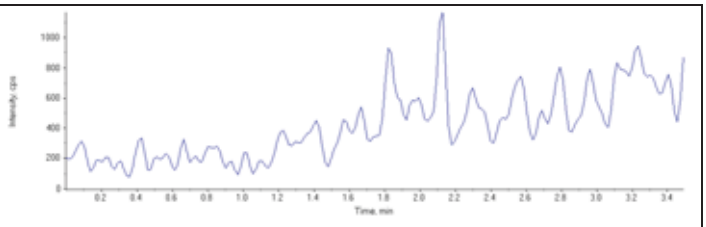
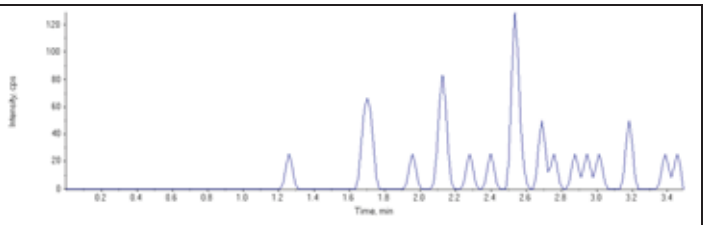
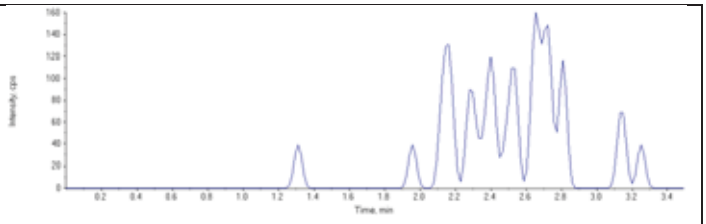
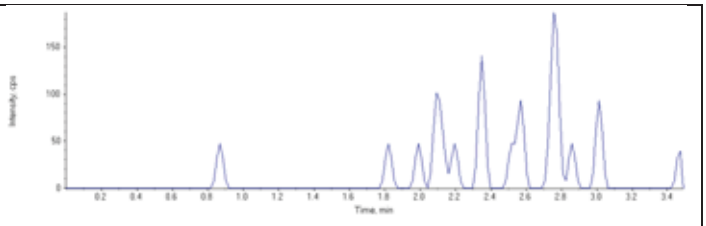
M2 8:2 FTS (Internal Standard)

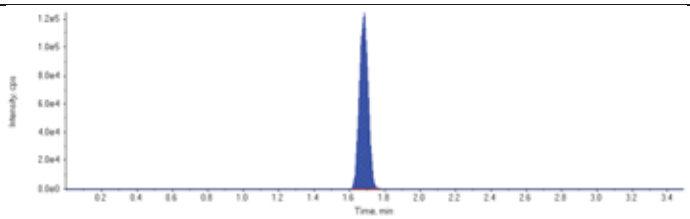
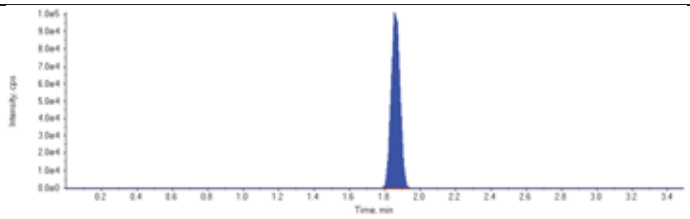
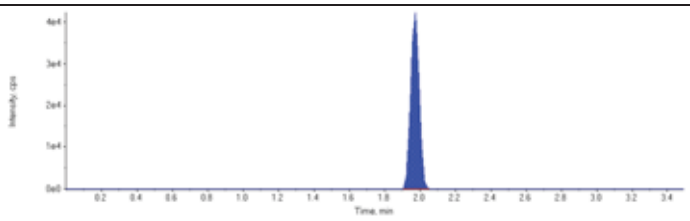
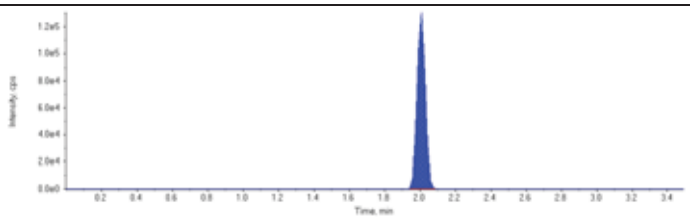
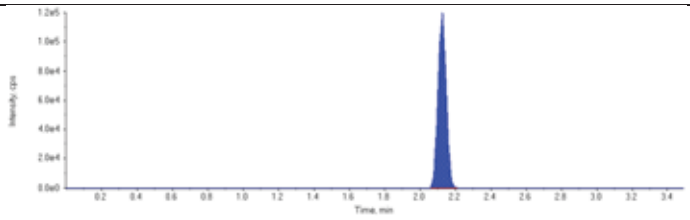
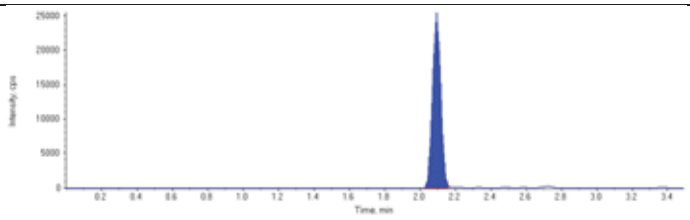
RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Unknown)

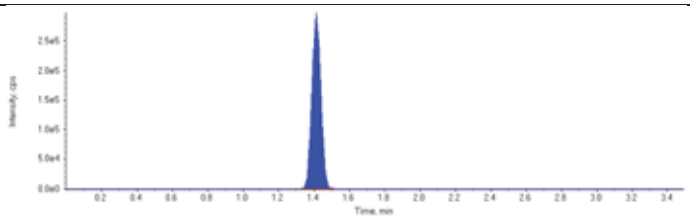
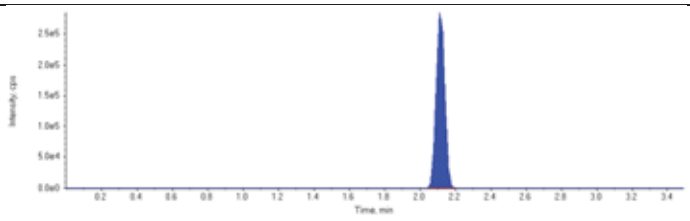


13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.12(2.18) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.87 (1.85) min Calculated Conc: 0.0718 µg/kg Area Ratio: 0.00618 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (2.05) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 0.00 (1.97) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00272 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

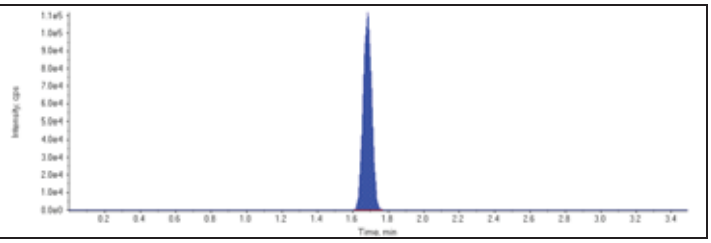
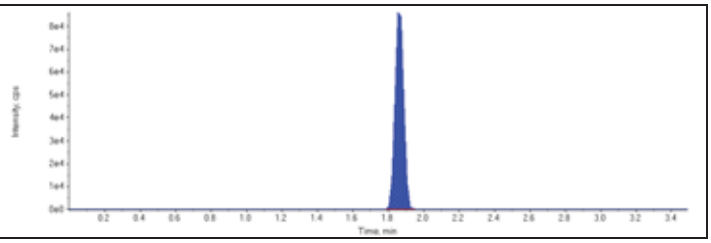
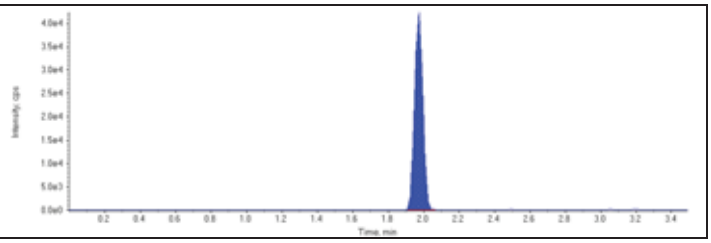
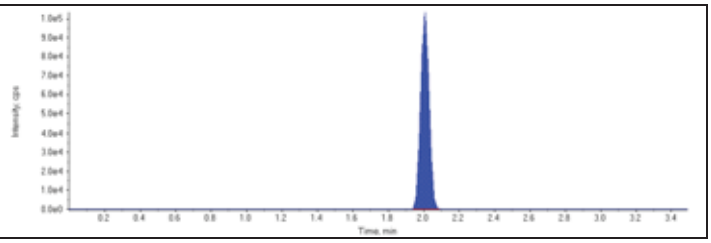
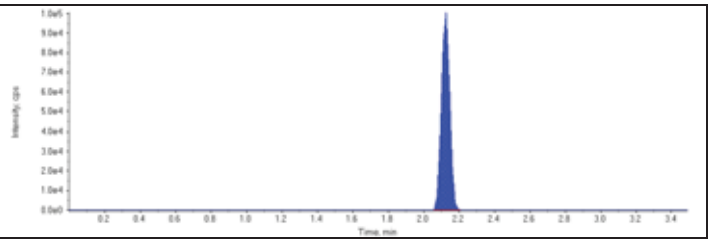
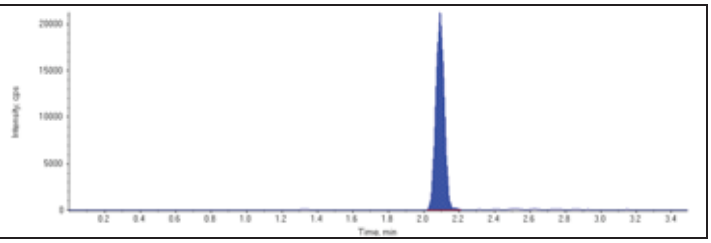
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 110. µg/kg Area Ratio: 0.404 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 109. µg/kg Area Ratio: 0.336 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 96.1 µg/kg Area Ratio: 0.134 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 117. µg/kg Area Ratio: 0.408 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.13 (2.18) min Calculated Conc: 122. µg/kg Area Ratio: 0.404 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 86.3 µg/kg Area Ratio: 0.0794 Sample Type: (Unknown)	

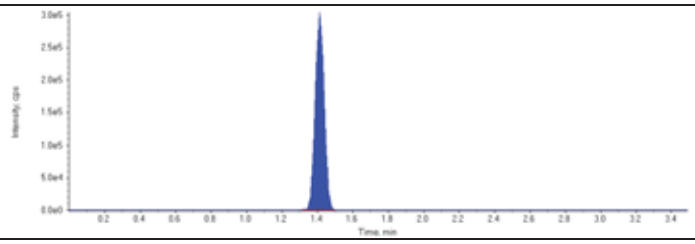
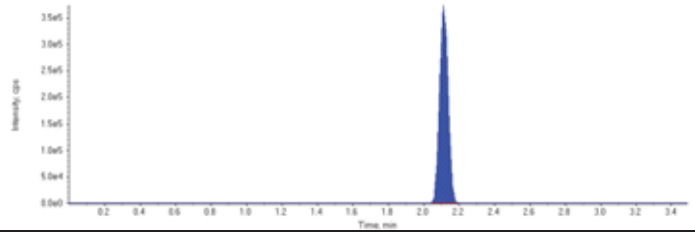
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 101. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 88.2 µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

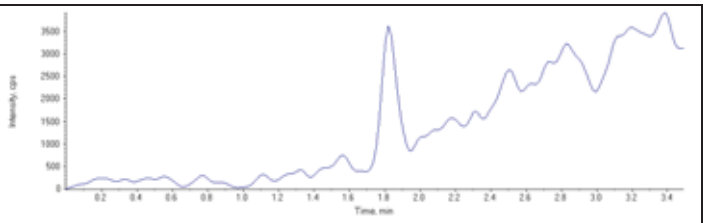
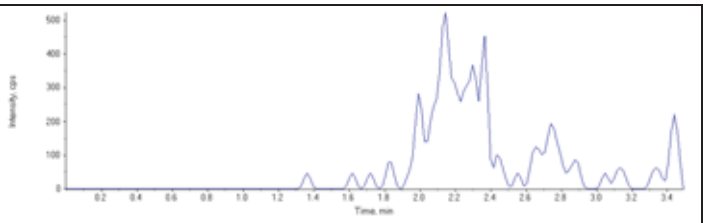
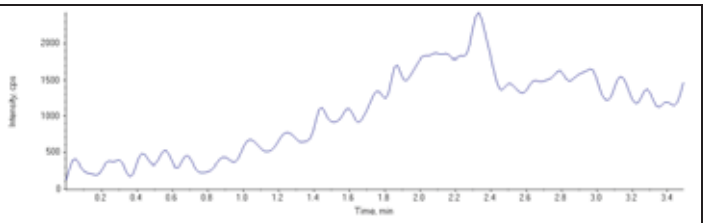
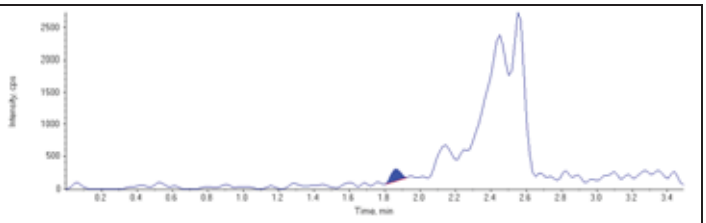
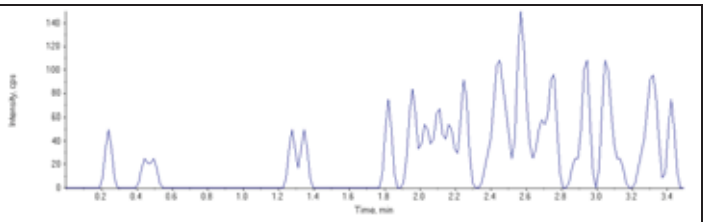
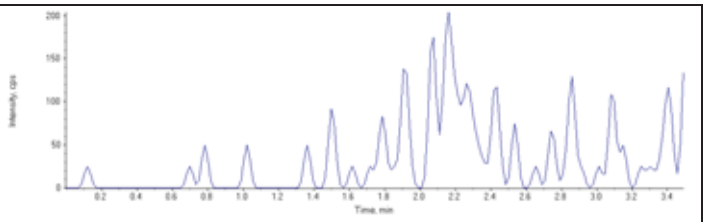
Sample ID	**5023570~BLANK**	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	10
Acquisition Date	2017/06/13 3:12:38 PM	**Dilution Factor**	1.33
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	-		

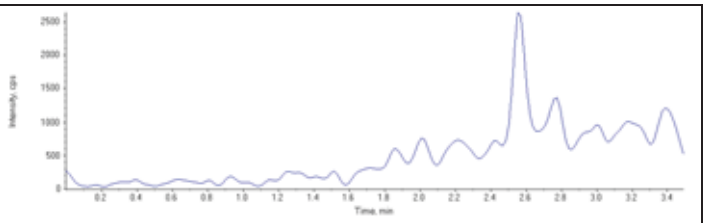
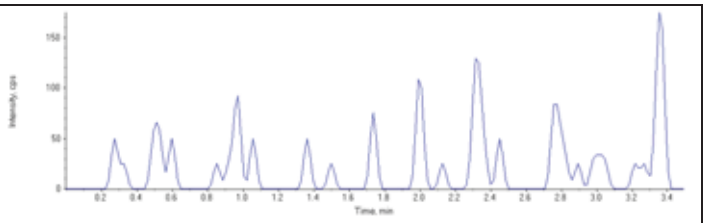
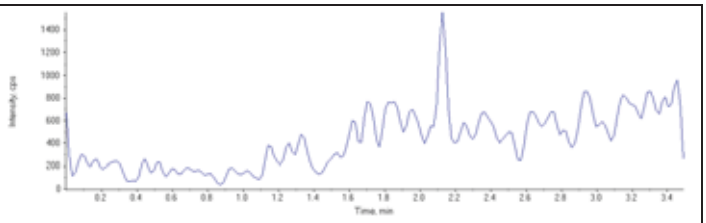
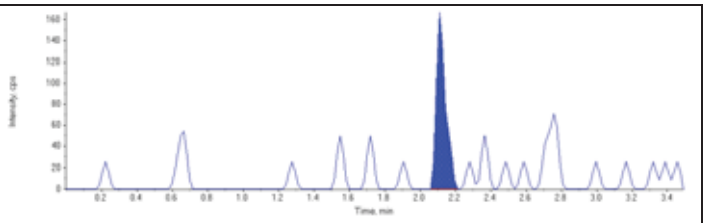
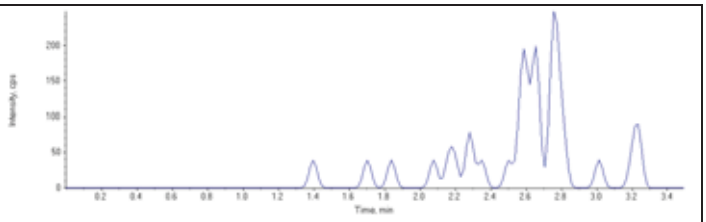
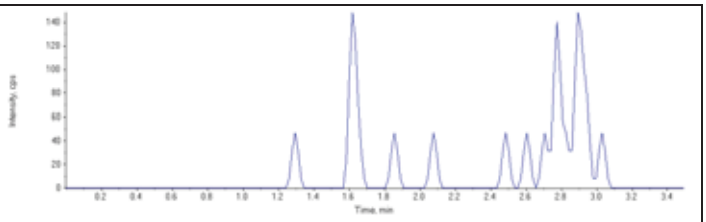
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	370000.	1.68	1.00	-
MPFOA	300000.	1.86	1.00	-
MPFOS	138000.	1.97	1.00	-
MPFNA	339000.	2.01	1.00	-
MPFDA	330000.	2.12	1.00	-
M2 8:2 FTS	70300.	2.09	1.00	-
13C6-PFHxA IS	1060000.	1.41	0.752	-
13C9-PFDA IS	1230000.	2.11	0.752	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

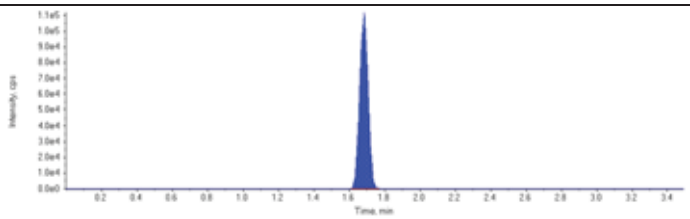
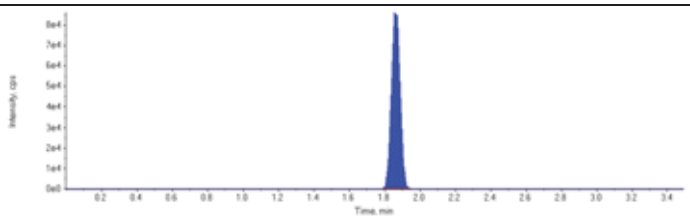
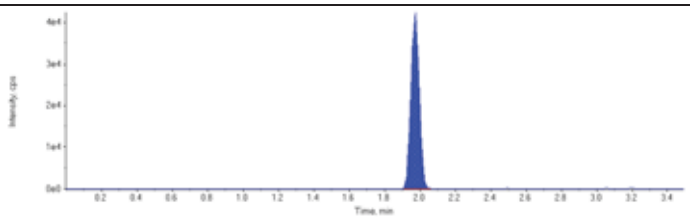
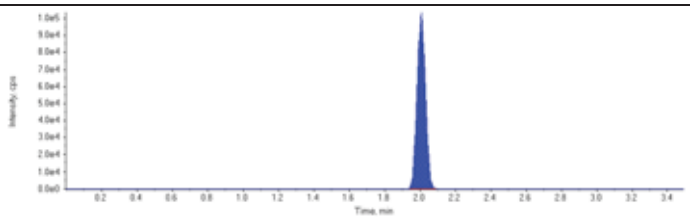
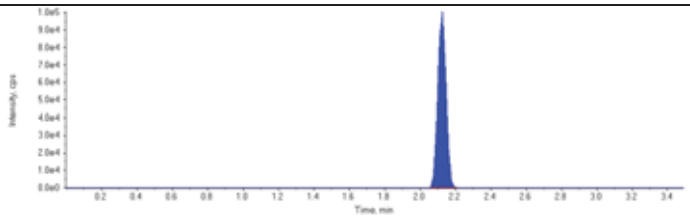
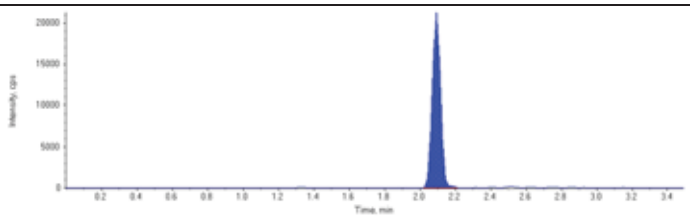
Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	0	0.00	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	736	1.86	N/A	0.0631	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	613	2.11	N/A	0.151	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C4-PFHpA	370000	1.68	N/A	95.8	N/A
13C4-PFOA	300000	1.86	N/A	92.4	N/A
13C4-PFOS	138000	1.97	N/A	93.5	N/A
13C5-PFNA	339000	2.01	N/A	91.7	N/A
13C2-PFDA	330000	2.12	N/A	80.7	N/A
13C2-8:2 FTS	70300	2.09	N/A	72.4	N/A
13C6-PFHxA	1060000	1.41	N/A	136.	N/A
13C9-PFDA	1230000	2.11	N/A	149.	N/A

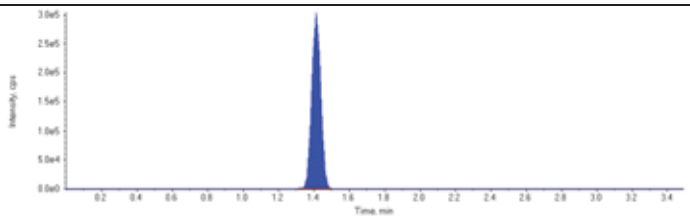
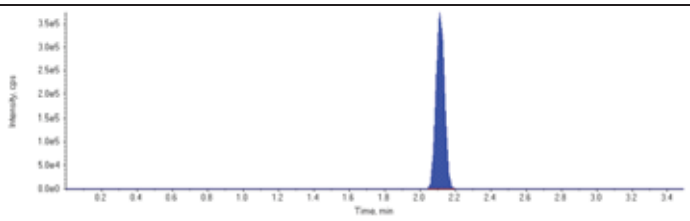
MPFHpA (Internal Standard) RT (Exp. RT): 1.68(1.76) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFOA (Internal Standard) RT (Exp. RT): 1.86(1.93) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(2.05) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFNA (Internal Standard) RT (Exp. RT): 2.01(2.07) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
MPFDA (Internal Standard) RT (Exp. RT): 2.12(2.18) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	
M2 8:2 FTS (Internal Standard) RT (Exp. RT): 2.09(2.15) min Concentration: 1.00 ug/kg Sample Type: (Unknown)	

13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.752 ug/kg Sample Type: (Unknown)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.752 ug/kg Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 0.00 (1.68) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 0.0631 µg/kg Area Ratio: 0.00246 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (2.05) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 0.00 (1.97) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (2.07) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 0.151 µg/kg Area Ratio: 0.00186 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

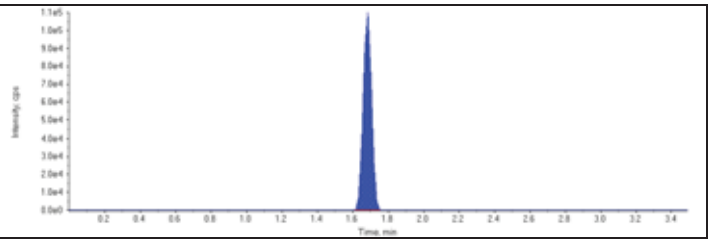
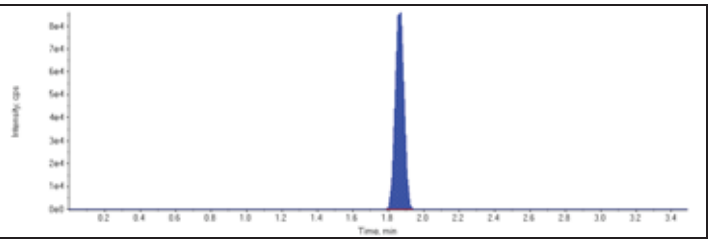
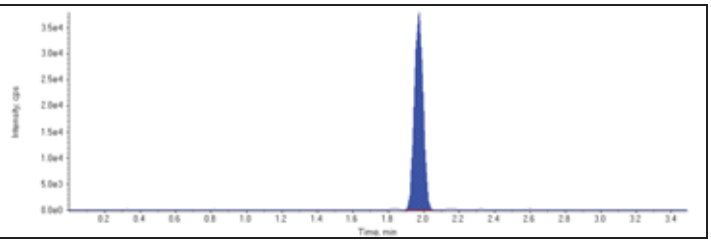
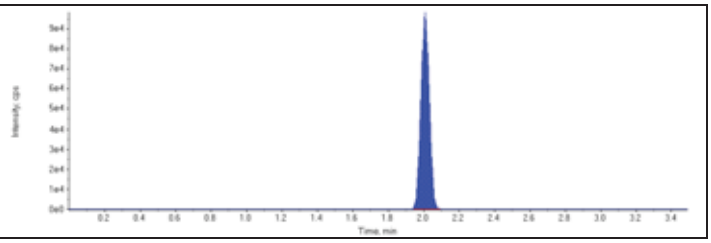
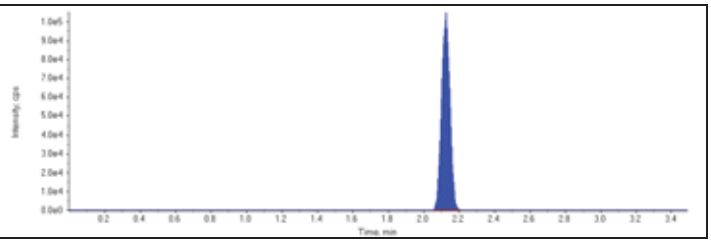
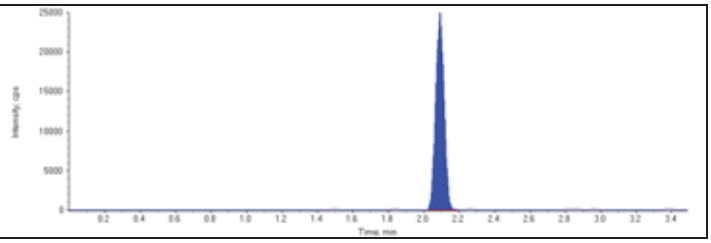
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 95.8 µg/kg Area Ratio: 0.350 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 92.4 µg/kg Area Ratio: 0.284 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 93.5 µg/kg Area Ratio: 0.131 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 91.7 µg/kg Area Ratio: 0.321 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 80.7 µg/kg Area Ratio: 0.267 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 72.4 µg/kg Area Ratio: 0.0666 Sample Type: (Unknown)	

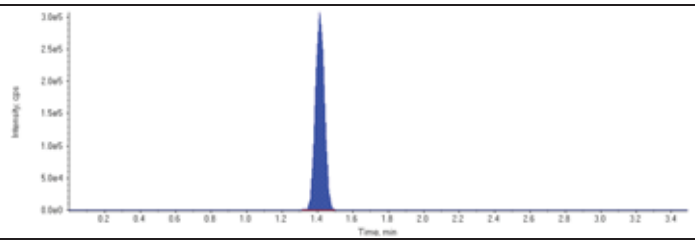
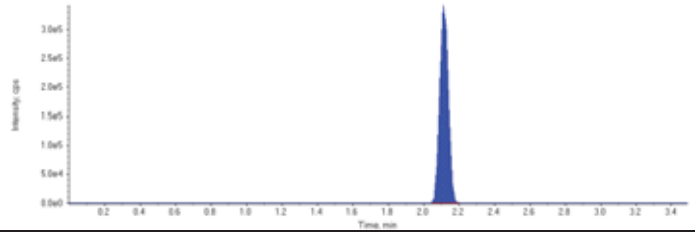
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 136. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 149. µg/kg Area Ratio: 0.00 Sample Type: (Unknown)	

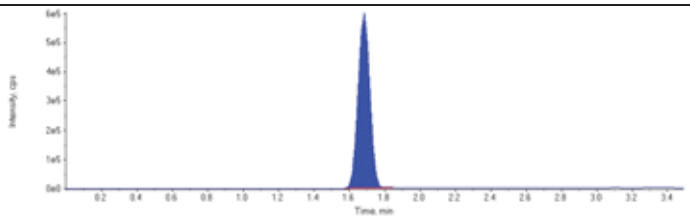
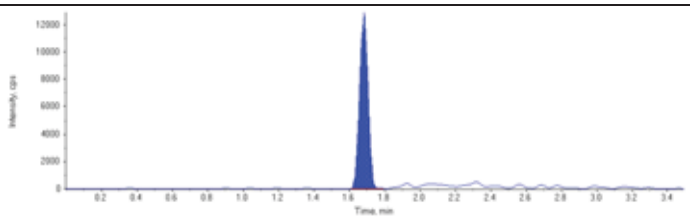
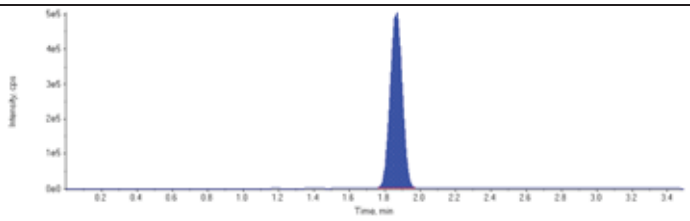
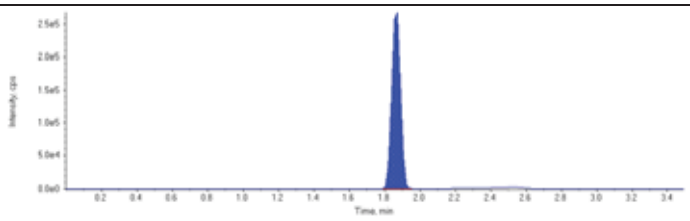
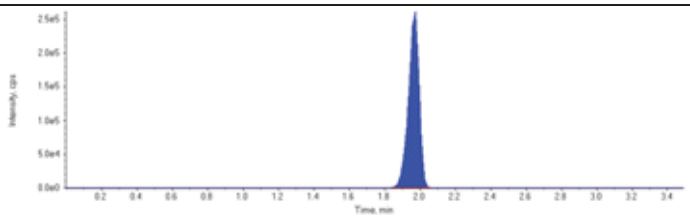
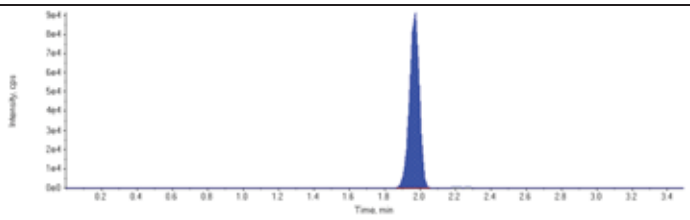
Sample ID	**5023570~MTRX SPK (EMM516)**	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	11
Acquisition Date	2017/06/13 3:17:42 PM	**Dilution Factor**	1.33
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	-		

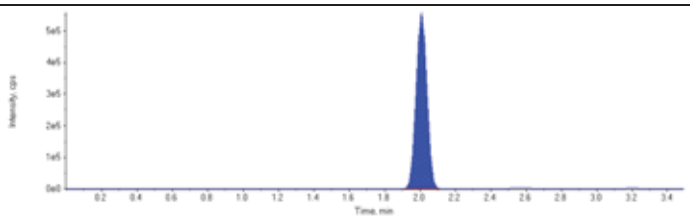
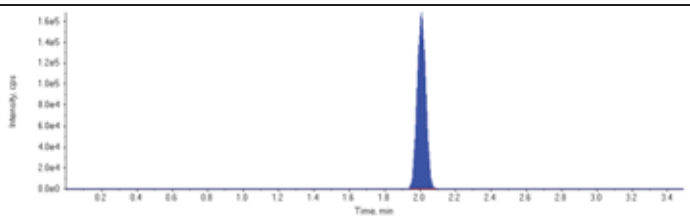
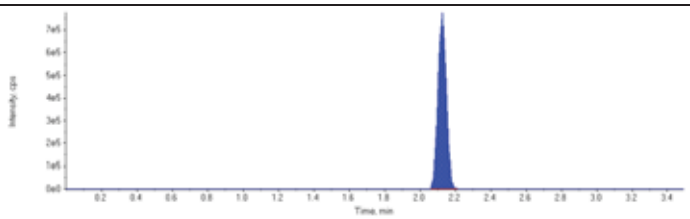
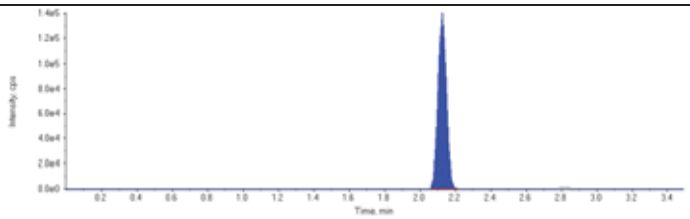
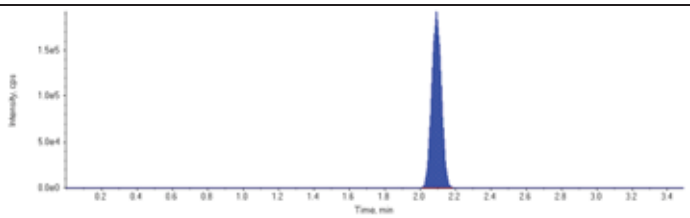
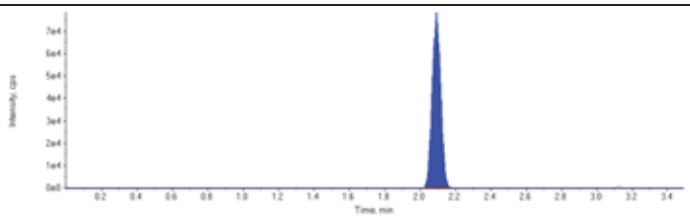
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	363000.	1.68	1.00	-
MPFOA	303000.	1.86	1.00	-
MPFOS	126000.	1.97	1.00	-
MPFNA	320000.	2.01	1.00	-
MPFDA	341000.	2.12	1.00	-
M2 8:2 FTS	82300.	2.09	1.00	-
13C6-PFHxA IS	1070000.	1.41	0.752	-
13C9-PFDA IS	1140000.	2.11	0.752	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

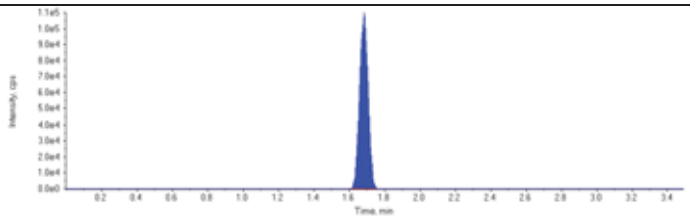
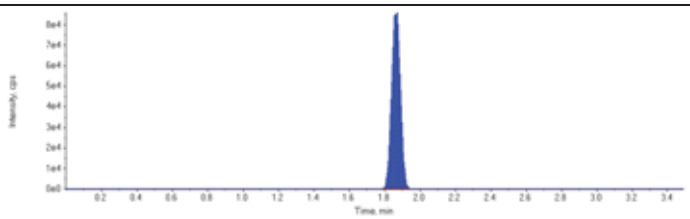
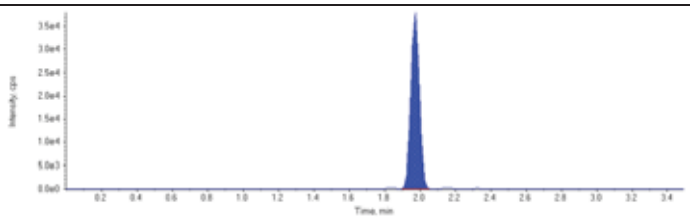
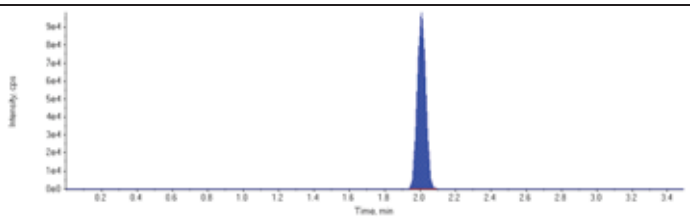
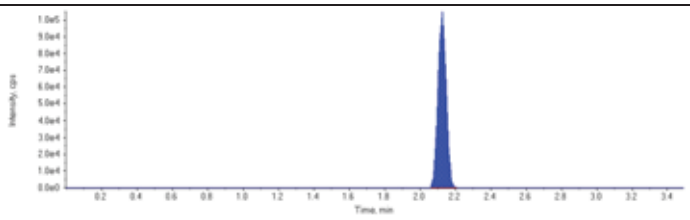
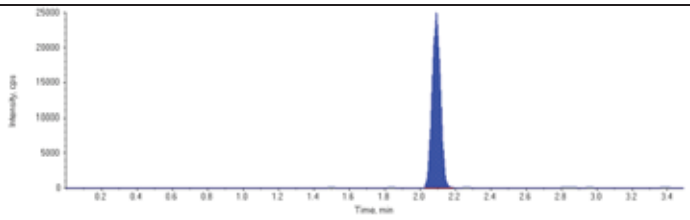
Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	2770000	1.68	25.0	27.1	108.0
PFHpA 2	42500	1.68	25.0	26.9	108.0
PFOA 1	2370000	1.87	25.0	25.8	103.0
PFOA 2	939000	1.86	25.0	26.9	108.0
PFOS 1	1100000	1.97	25.0	28.6	114.0
PFOS 2	348000	1.97	25.0	27.9	112.0
PFNA 1	2340000	2.01	25.0	29.1	117.0
PFNA 2	554000	2.01	25.0	29.4	118.0
PFDA 1	2560000	2.13	25.0	26.4	106.0
PFDA 2	462000	2.13	25.0	25.5	102.0
8:2-FTS 1	730000	2.09	25.0	27.6	110.0
8:2-FTS 2	265000	2.09	25.0	26.3	105.0
13C4-PFHpA	363000	1.68	100.	93.1	93.1
13C4-PFOA	303000	1.86	100.	92.6	92.6
13C4-PFOS	126000	1.97	100.	84.8	84.8
13C5-PFNA	320000	2.01	100.	85.7	85.7
13C2-PFDA	341000	2.12	100.	90.1	90.1
13C2-8:2 FTS	82300	2.09	100.	83.9	83.9
13C6-PFHxA	1070000	1.41	100.	137.	137.0
13C9-PFDA	1140000	2.11	100.	138.	138.0

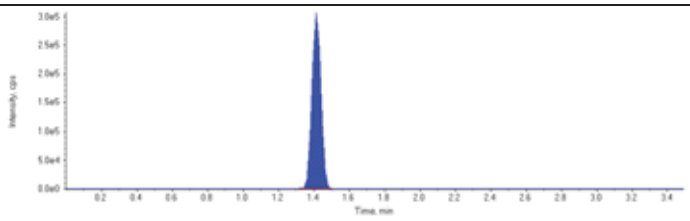
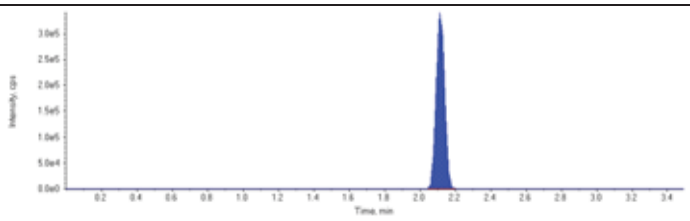
MPFHpA (Internal Standard) RT (Exp. RT): 1.68(1.76) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.86(1.93) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(2.05) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.01(2.07) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
MPFDA (Internal Standard) RT (Exp. RT): 2.12(2.18) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
M2 8:2 FTS (Internal Standard) RT (Exp. RT): 2.09(2.15) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	

13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.752 ug/kg Sample Type: (Quality Control)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.752 ug/kg Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 27.1 µg/kg Area Ratio: 7.64 Sample Type: (Quality Control)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 26.9 µg/kg Area Ratio: 0.117 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.87 (1.85) min Calculated Conc: 25.8 µg/kg Area Ratio: 7.81 Sample Type: (Quality Control)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 26.9 µg/kg Area Ratio: 3.09 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 28.6 µg/kg Area Ratio: 8.72 Sample Type: (Quality Control)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 27.9 µg/kg Area Ratio: 2.75 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 29.1 µg/kg Area Ratio: 7.31 Sample Type: (Quality Control)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 29.4 µg/kg Area Ratio: 1.73 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.13 (2.18) min Calculated Conc: 26.4 µg/kg Area Ratio: 7.51 Sample Type: (Quality Control)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.13 (2.18) min Calculated Conc: 25.5 µg/kg Area Ratio: 1.36 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 27.6 µg/kg Area Ratio: 8.87 Sample Type: (Quality Control)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 26.3 µg/kg Area Ratio: 3.22 Sample Type: (Quality Control)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 93.1 µg/kg Area Ratio: 0.340 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 92.6 µg/kg Area Ratio: 0.284 Sample Type: (Quality Control)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 84.8 µg/kg Area Ratio: 0.118 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 85.7 µg/kg Area Ratio: 0.300 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 90.1 µg/kg Area Ratio: 0.298 Sample Type: (Quality Control)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 83.9 µg/kg Area Ratio: 0.0771 Sample Type: (Quality Control)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 137. µg/kg Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 138. µg/kg Area Ratio: 0.00 Sample Type: (Quality Control)	

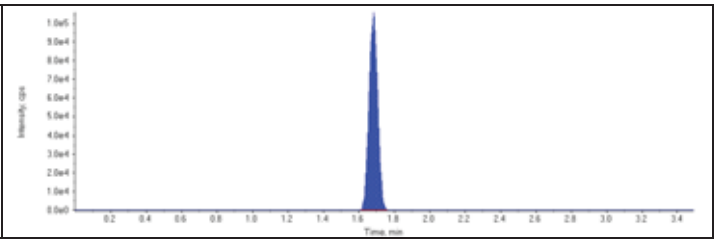
Sample ID	**5023570~MTRX SPK:D1 (EMM516)**	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	12
Acquisition Date	2017/06/13 3:22:46 PM	**Dilution Factor**	1.33
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	353000.	1.68	1.00	-
MPFOA	292000.	1.86	1.00	-
MPFOS	131000.	1.97	1.00	-
MPFNA	339000.	2.01	1.00	-
MPFDA	351000.	2.12	1.00	-
M2 8:2 FTS	76400.	2.09	1.00	-
13C6-PFHxA IS	1180000.	1.41	0.752	-
13C9-PFDA IS	1180000.	2.11	0.752	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	2730000	1.68	25.0	27.5	110.0
PFHpA 2	45700	1.68	25.0	29.8	119.0
PFOA 1	2280000	1.86	25.0	25.8	103.0
PFOA 2	968000	1.86	25.0	28.9	115.0
PFOS 1	1100000	1.97	25.0	27.7	111.0
PFOS 2	341000	1.97	25.0	26.5	106.0
PFNA 1	2250000	2.01	25.0	26.4	106.0
PFNA 2	583000	2.01	25.0	29.3	117.0
PFDA 1	2540000	2.12	25.0	25.4	102.0
PFDA 2	466000	2.12	25.0	25.0	99.9
8:2-FTS 1	605000	2.09	25.0	24.7	98.7
8:2-FTS 2	236000	2.09	25.0	25.2	101.0
13C4-PFHpA	353000	1.68	100.	81.7	81.7
13C4-PFOA	292000	1.86	100.	80.5	80.5
13C4-PFOS	131000	1.97	100.	79.1	79.1
13C5-PFNA	339000	2.01	100.	82.0	82.0
13C2-PFDA	351000	2.12	100.	90.2	90.2
13C2-8:2 FTS	76400	2.09	100.	70.3	70.3
13C6-PFHxA	1180000	1.41	100.	152.	152.0
13C9-PFDA	1180000	2.11	100.	142.	142.0

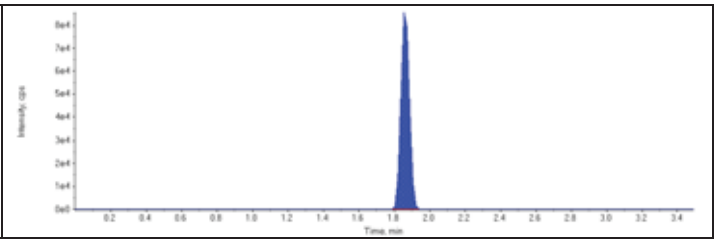
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)



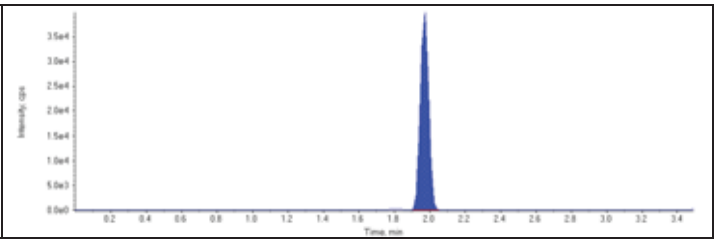
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)



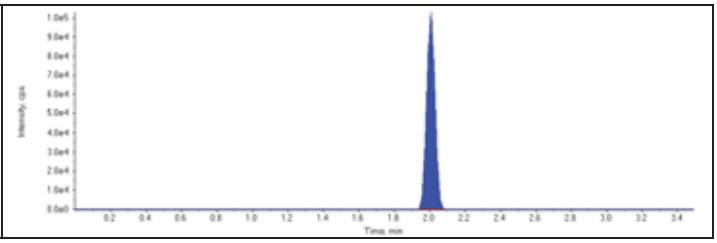
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)



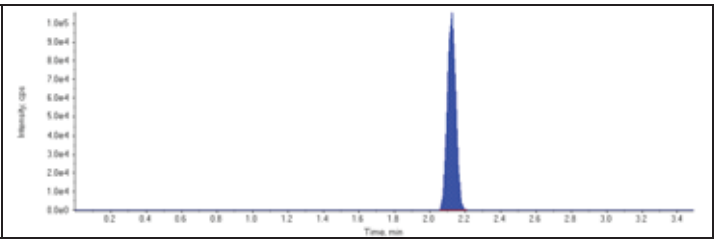
MPFNA (Internal Standard)

RT (Exp. RT): 2.01(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)



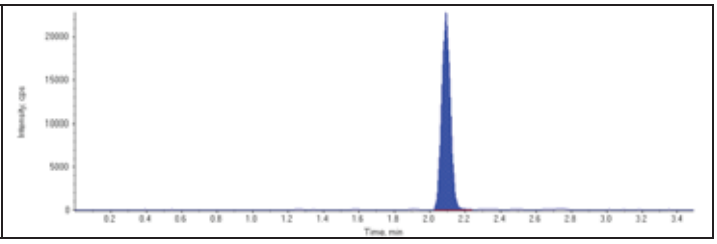
MPFDA (Internal Standard)

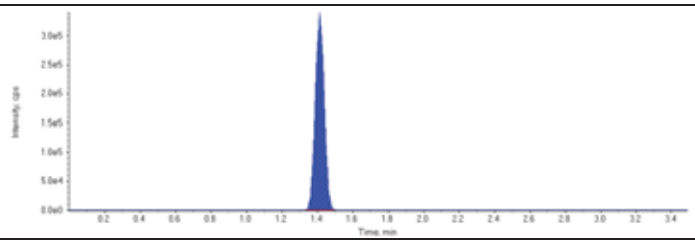
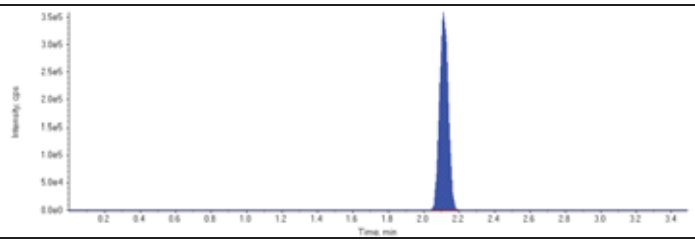
RT (Exp. RT): 2.12(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)

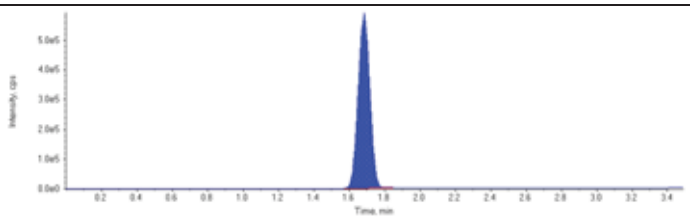
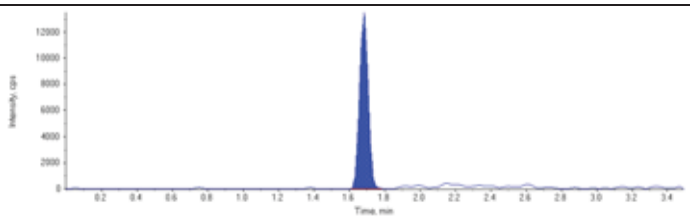
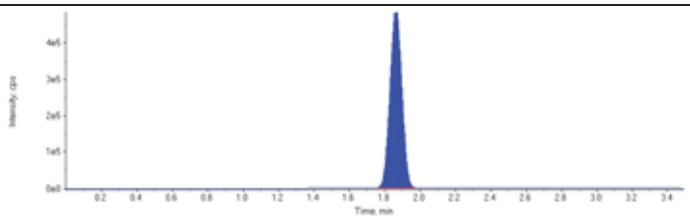
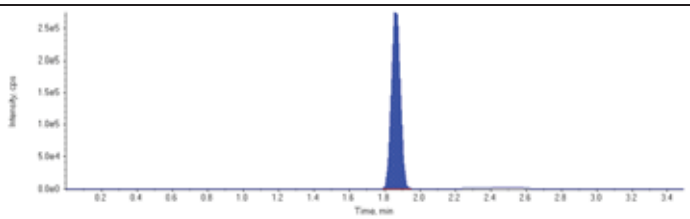
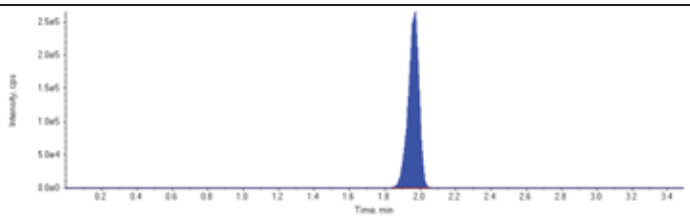
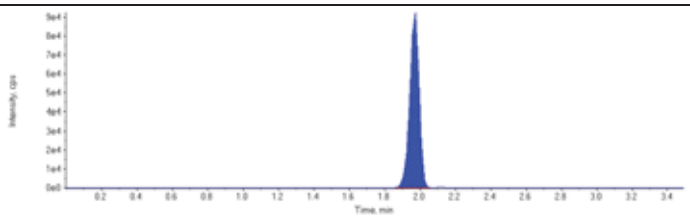


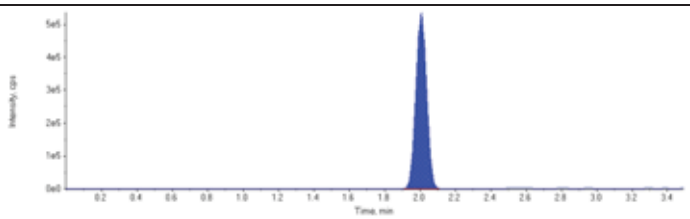
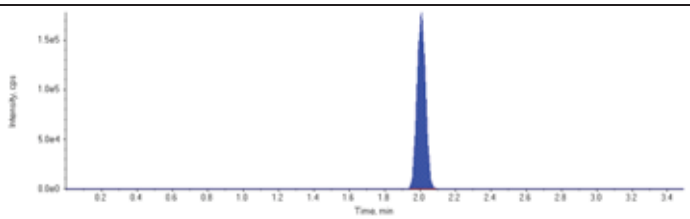
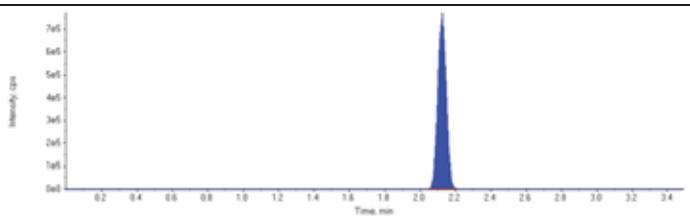
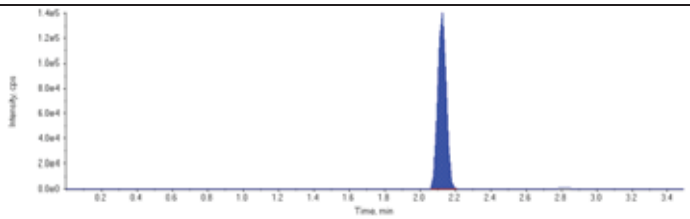
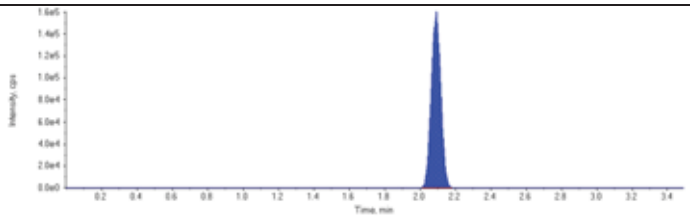
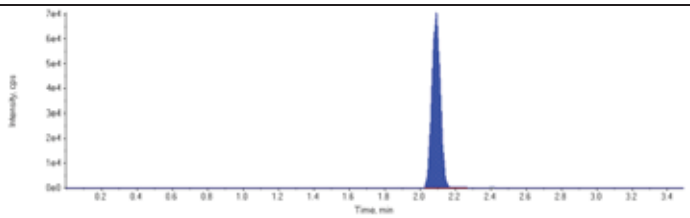
M2 8:2 FTS (Internal Standard)

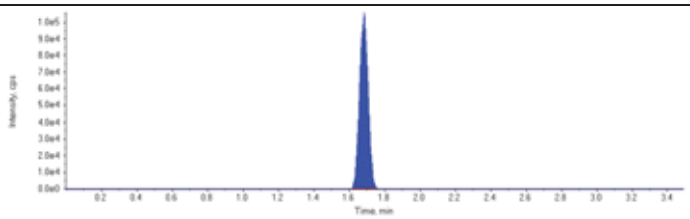
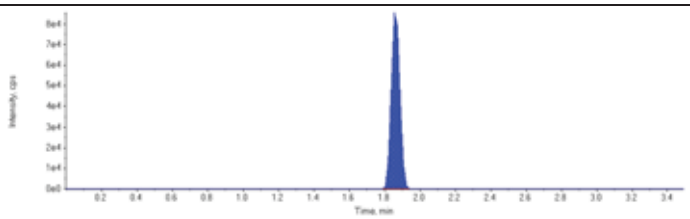
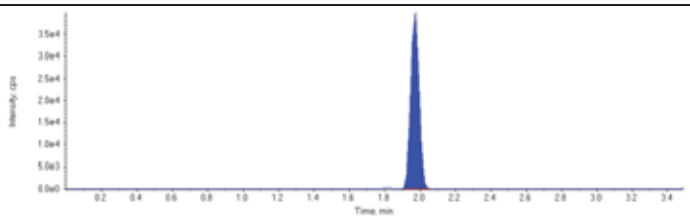
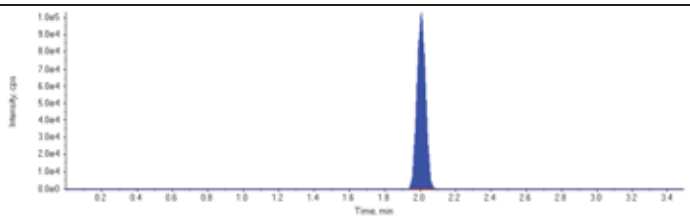
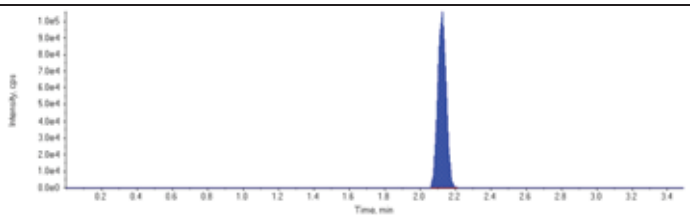
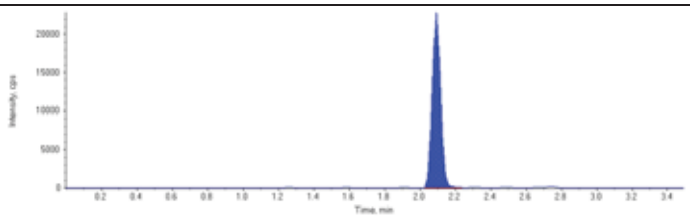
RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)

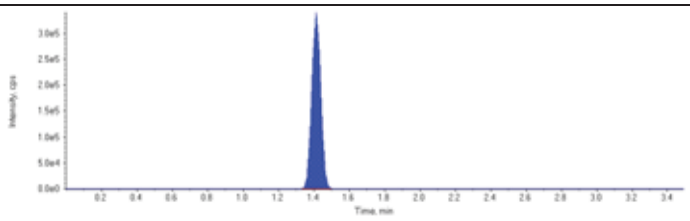
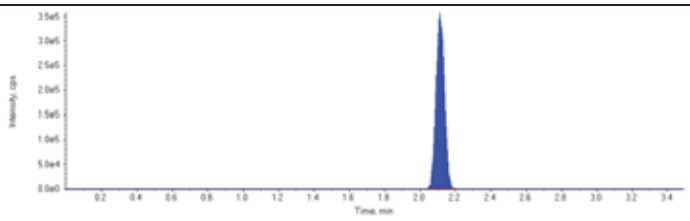


13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.752 ug/kg Sample Type: (Quality Control)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.752 ug/kg Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 27.5 µg/kg Area Ratio: 7.73 Sample Type: (Quality Control)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 29.8 µg/kg Area Ratio: 0.130 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 25.8 µg/kg Area Ratio: 7.82 Sample Type: (Quality Control)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 28.9 µg/kg Area Ratio: 3.31 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 27.7 µg/kg Area Ratio: 8.46 Sample Type: (Quality Control)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 26.5 µg/kg Area Ratio: 2.61 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 26.4 µg/kg Area Ratio: 6.63 Sample Type: (Quality Control)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 29.3 µg/kg Area Ratio: 1.72 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 25.4 µg/kg Area Ratio: 7.23 Sample Type: (Quality Control)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 25.0 µg/kg Area Ratio: 1.33 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 24.7 µg/kg Area Ratio: 7.92 Sample Type: (Quality Control)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 25.2 µg/kg Area Ratio: 3.09 Sample Type: (Quality Control)	

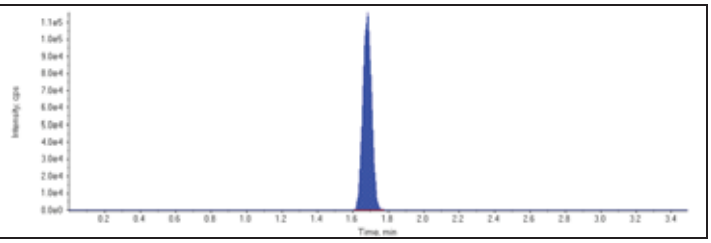
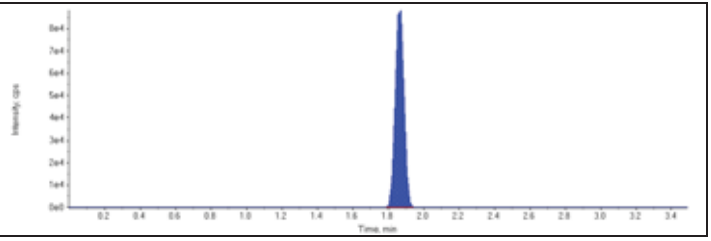
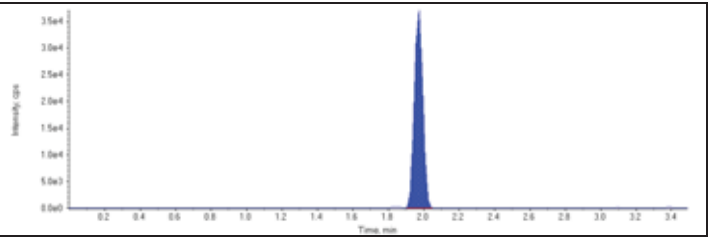
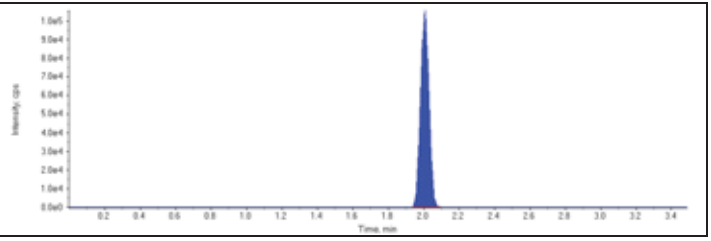
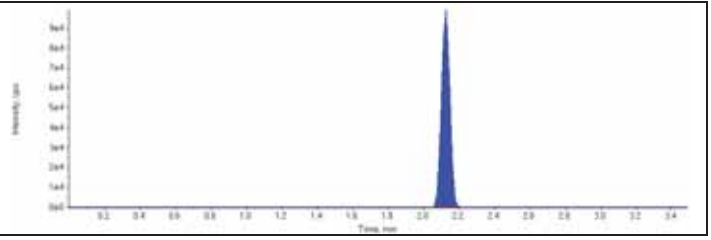
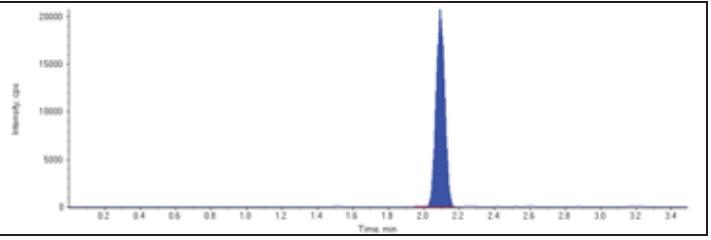
13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 81.7 µg/kg Area Ratio: 0.298 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 80.5 µg/kg Area Ratio: 0.247 Sample Type: (Quality Control)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 79.1 µg/kg Area Ratio: 0.111 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 82.0 µg/kg Area Ratio: 0.287 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 90.2 µg/kg Area Ratio: 0.299 Sample Type: (Quality Control)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 70.3 µg/kg Area Ratio: 0.0646 Sample Type: (Quality Control)	

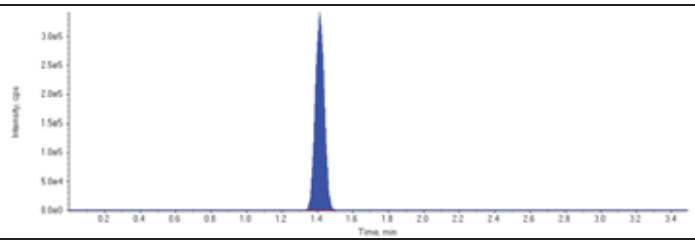
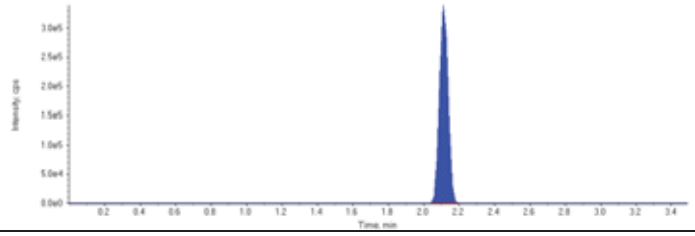
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 152. µg/kg Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 142. µg/kg Area Ratio: 0.00 Sample Type: (Quality Control)	

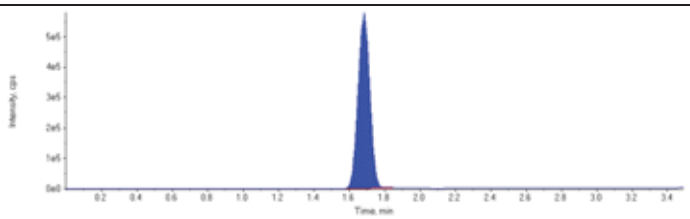
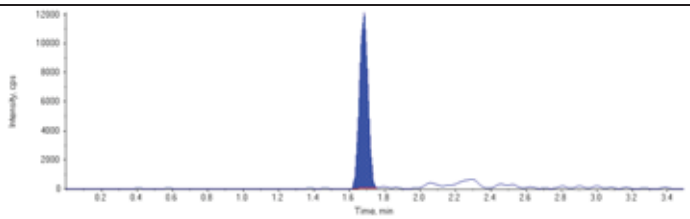
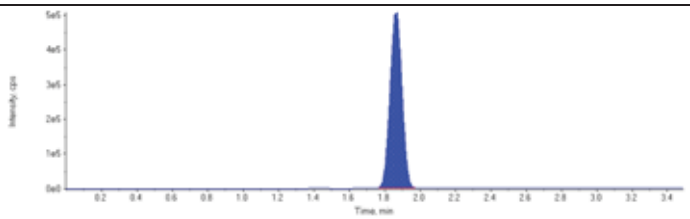
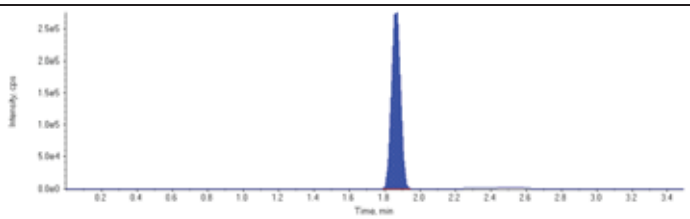
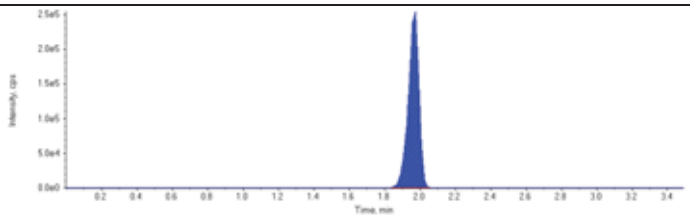
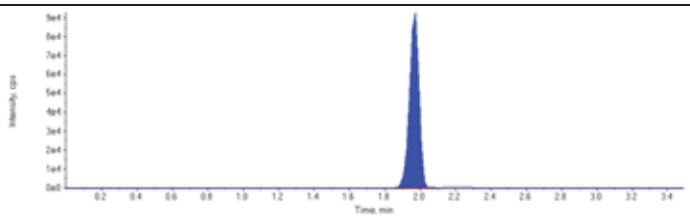
Sample ID	**5023570~SPIKE**	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	13
Acquisition Date	2017/06/13 3:27:50 PM	**Dilution Factor**	1.33
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	Reinjected to check recovery		

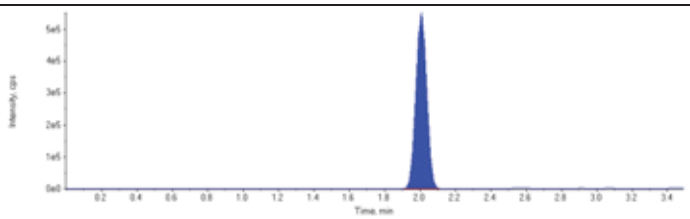
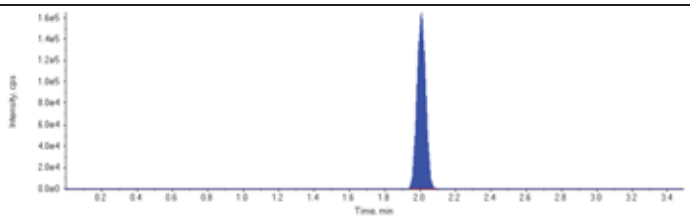
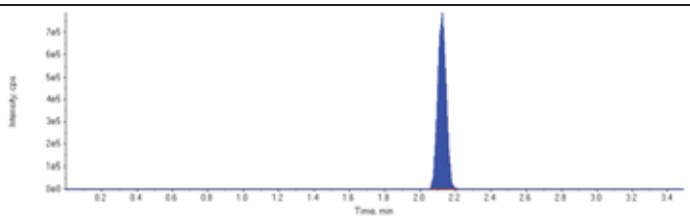
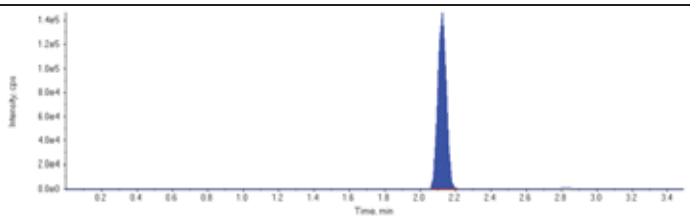
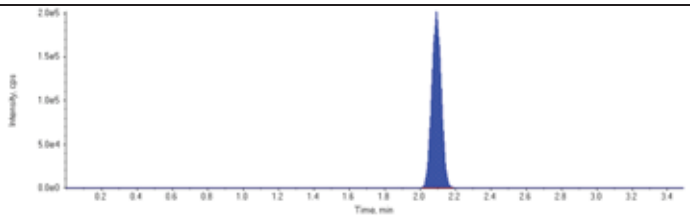
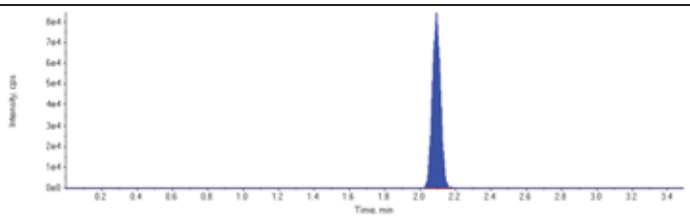
Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	394000.	1.68	1.00	-
MPFOA	311000.	1.86	1.00	-
MPFOS	122000.	1.97	1.00	-
MPFNA	348000.	2.01	1.00	-
MPFDA	328000.	2.12	1.00	-
M2 8:2 FTS	71000.	2.09	1.00	-
13C6-PFHxA IS	1180000.	1.41	0.752	-
13C9-PFDA IS	1130000.	2.11	0.752	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

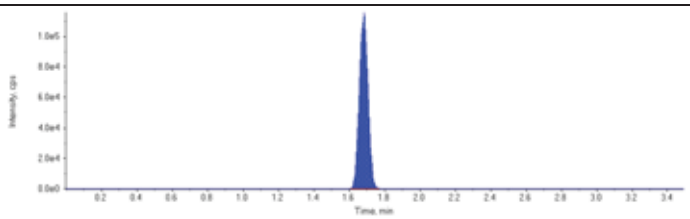
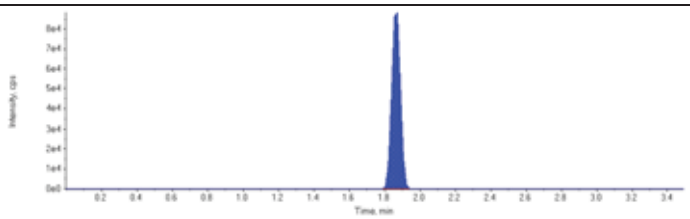
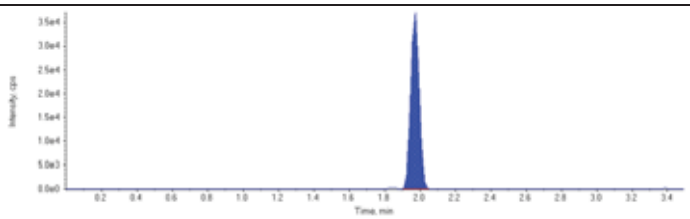
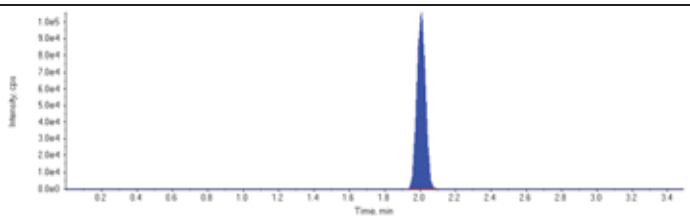
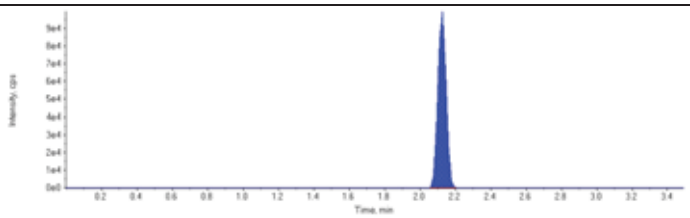
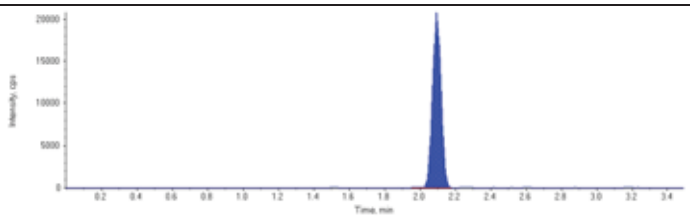
Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	2660000	1.68	25.0	24.1	96.3
PFHpA 2	39900	1.68	25.0	23.4	93.6
PFOA 1	2390000	1.86	25.0	25.4	102.0
PFOA 2	980000	1.86	25.0	27.5	110.0
PFOS 1	1070000	1.97	25.0	28.7	115.0
PFOS 2	347000	1.97	25.0	28.8	115.0
PFNA 1	2320000	2.01	25.0	26.6	107.0
PFNA 2	548000	2.01	25.0	26.8	107.0
PFDA 1	2610000	2.12	25.0	28.0	112.0
PFDA 2	482000	2.12	25.0	27.7	111.0
8:2-FTS 1	754000	2.09	25.0	33.0	132.0
8:2-FTS 2	270000	2.09	25.0	31.0	124.0
13C4-PFHpA	394000	1.68	100.	91.5	91.5
13C4-PFOA	311000	1.86	100.	86.1	86.1
13C4-PFOS	122000	1.97	100.	74.5	74.5
13C5-PFNA	348000	2.01	100.	84.5	84.5
13C2-PFDA	328000	2.12	100.	87.7	87.7
13C2-8:2 FTS	71000	2.09	100.	65.6	65.6
13C6-PFHxA	1180000	1.41	100.	151.	151.0
13C9-PFDA	1130000	2.11	100.	137.	137.0

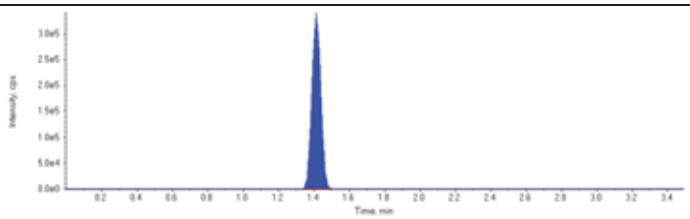
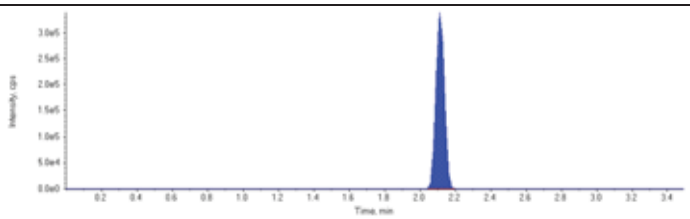
MPFHpA (Internal Standard) RT (Exp. RT): 1.68(1.76) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
MPFOA (Internal Standard) RT (Exp. RT): 1.86(1.93) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
MPFOS (Internal Standard) RT (Exp. RT): 1.97(2.05) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
MPFNA (Internal Standard) RT (Exp. RT): 2.01(2.07) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
MPFDA (Internal Standard) RT (Exp. RT): 2.12(2.18) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	
M2 8:2 FTS (Internal Standard) RT (Exp. RT): 2.09(2.15) min Concentration: 1.00 ug/kg Sample Type: (Quality Control)	

13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.752 ug/kg Sample Type: (Quality Control)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.752 ug/kg Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 24.1 µg/kg Area Ratio: 6.77 Sample Type: (Quality Control)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 23.4 µg/kg Area Ratio: 0.101 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 25.4 µg/kg Area Ratio: 7.70 Sample Type: (Quality Control)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 27.5 µg/kg Area Ratio: 3.15 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 28.7 µg/kg Area Ratio: 8.77 Sample Type: (Quality Control)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 28.8 µg/kg Area Ratio: 2.83 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 26.6 µg/kg Area Ratio: 6.68 Sample Type: (Quality Control)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 26.8 µg/kg Area Ratio: 1.58 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 28.0 µg/kg Area Ratio: 7.94 Sample Type: (Quality Control)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 27.7 µg/kg Area Ratio: 1.47 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 33.0 µg/kg Area Ratio: 10.6 Sample Type: (Quality Control)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 31.0 µg/kg Area Ratio: 3.80 Sample Type: (Quality Control)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 91.5 µg/kg Area Ratio: 0.335 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 86.1 µg/kg Area Ratio: 0.264 Sample Type: (Quality Control)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 74.5 µg/kg Area Ratio: 0.104 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.01 (2.07) min Calculated Conc: 84.5 µg/kg Area Ratio: 0.296 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 87.7 µg/kg Area Ratio: 0.290 Sample Type: (Quality Control)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 65.6 µg/kg Area Ratio: 0.0604 Sample Type: (Quality Control)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 151. µg/kg Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 137. µg/kg Area Ratio: 0.00 Sample Type: (Quality Control)	

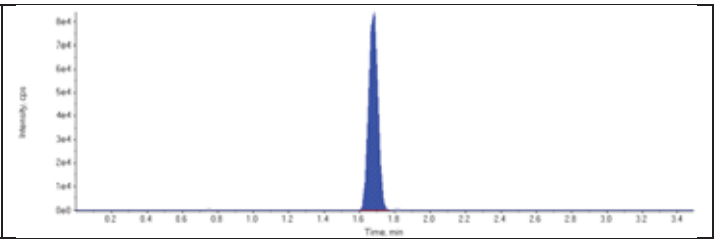
Sample ID	**5023570~SPIKE**	**Injection Volume (µL)**	1
Sample Type	Quality Control	**Injection Vial**	13
Acquisition Date	2017/06/14 7:28:36 AM	**Dilution Factor**	1.33
Acquisition Method	PFC_Soil.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170613\WS#5023570.wiff		
Result Table	PFC_Soil_170613_5023570_CT.rdb		
Samples Annotation	Reinjection, reported		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)
MPFHpA	301000.	1.68	1.00	-
MPFOA	270000.	1.86	1.00	-
MPFOS	116000.	1.97	1.00	-
MPFNA	287000.	2.00	1.00	-
MPFDA	323000.	2.12	1.00	-
M2 8:2 FTS	70700.	2.09	1.00	-
13C6-PFHxA IS	787000.	1.41	0.752	-
13C9-PFDA IS	1070000.	2.11	0.752	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/kg)	Calc. Conc. (ug/kg)	Accuracy (%)
PFHpA 1	2410000	1.68	25.0	28.4	113.0
PFHpA 2	29500	1.68	25.0	22.6	90.3
PFOA 1	2170000	1.86	25.0	26.5	106.0
PFOA 2	859000	1.86	25.0	27.7	111.0
PFOS 1	997000	1.97	25.0	28.2	113.0
PFOS 2	337000	1.97	25.0	29.6	118.0
PFNA 1	1950000	2.00	25.0	27.2	109.0
PFNA 2	478000	2.00	25.0	28.3	113.0
PFDA 1	2360000	2.12	25.0	25.8	103.0
PFDA 2	434000	2.12	25.0	25.3	101.0
8:2-FTS 1	675000	2.09	25.0	29.7	119.0
8:2-FTS 2	250000	2.09	25.0	28.8	115.0
13C4-PFHpA	301000	1.68	100.	105.	105.0
13C4-PFOA	270000	1.86	100.	112.	112.0
13C4-PFOS	116000	1.97	100.	105.	105.0
13C5-PFNA	287000	2.00	100.	104.	104.0
13C2-PFDA	323000	2.12	100.	91.4	91.4
13C2-8:2 FTS	70700	2.09	100.	97.7	97.7
13C6-PFHxA	787000	1.41	100.	101.	101.0
13C9-PFDA	1070000	2.11	100.	129.	129.0

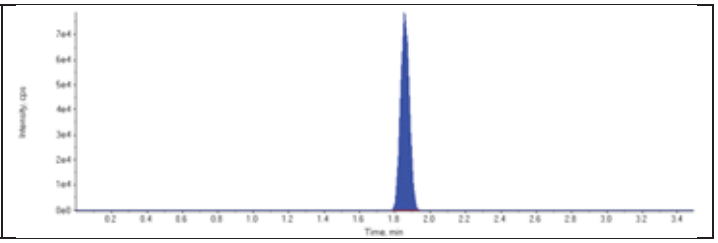
MPFHpA (Internal Standard)

RT (Exp. RT): 1.68(1.76) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)



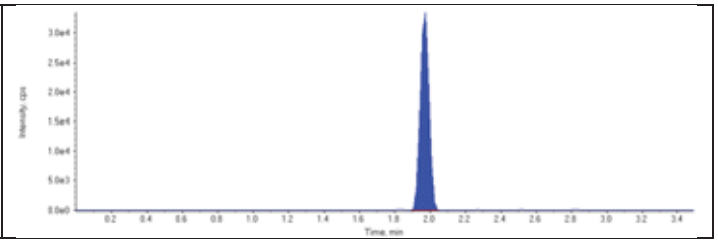
MPFOA (Internal Standard)

RT (Exp. RT): 1.86(1.93) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)



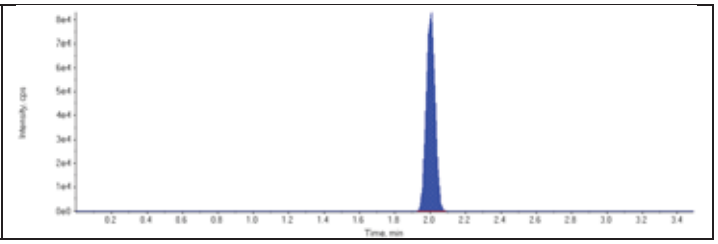
MPFOS (Internal Standard)

RT (Exp. RT): 1.97(2.05) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)



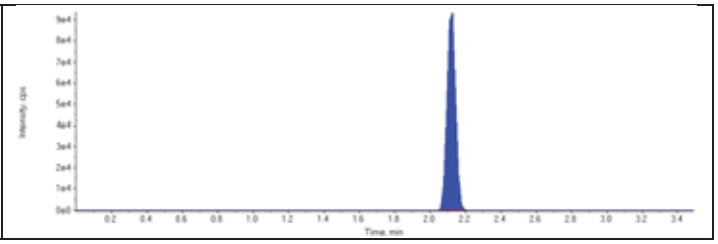
MPFNA (Internal Standard)

RT (Exp. RT): 2.00(2.07) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)



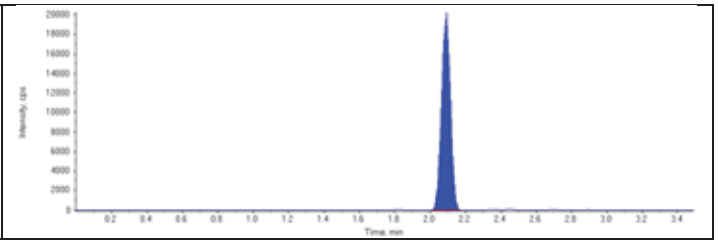
MPFDA (Internal Standard)

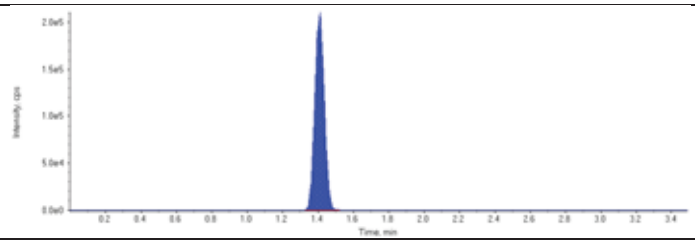
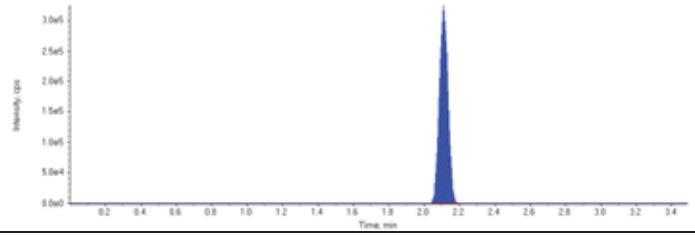
RT (Exp. RT): 2.12(2.18) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)

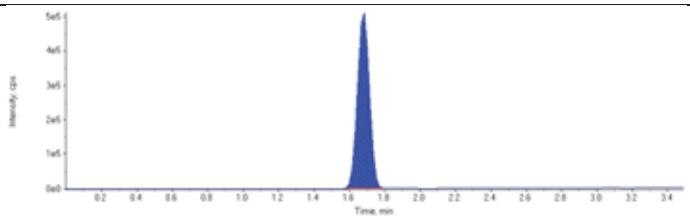
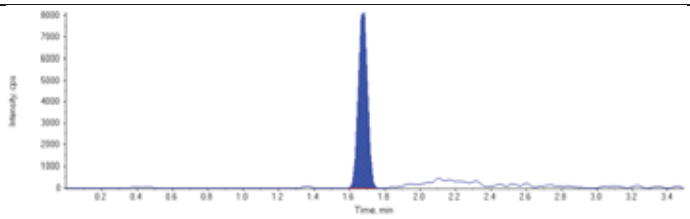
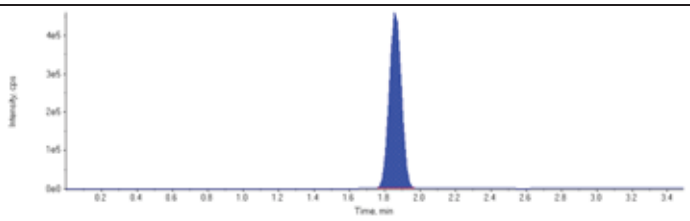
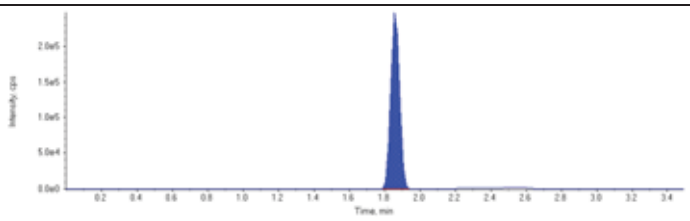
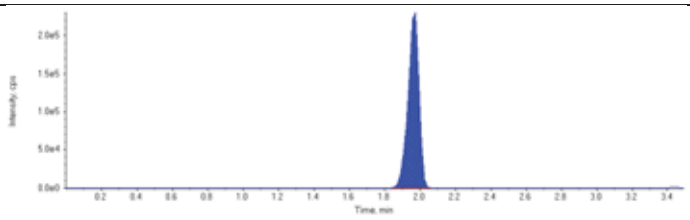
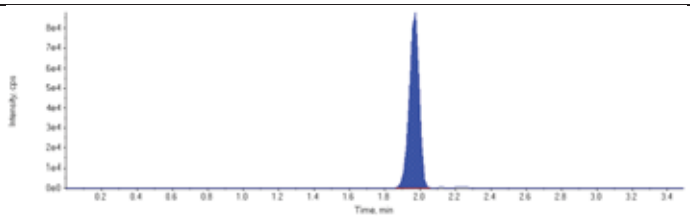


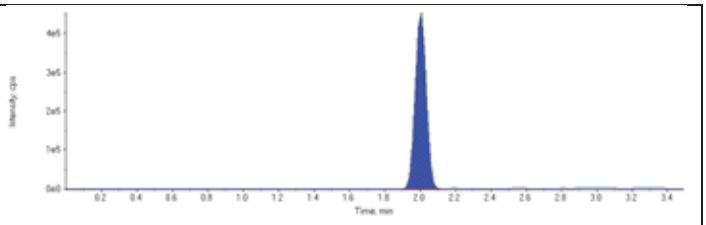
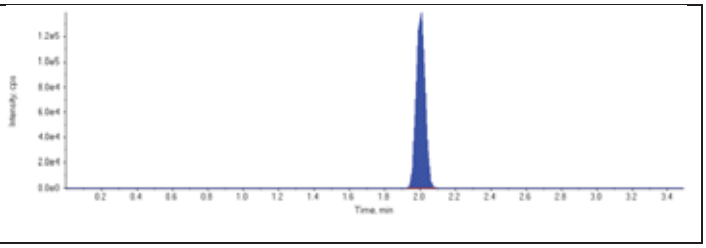
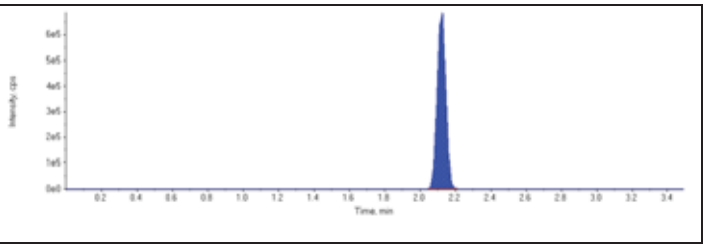
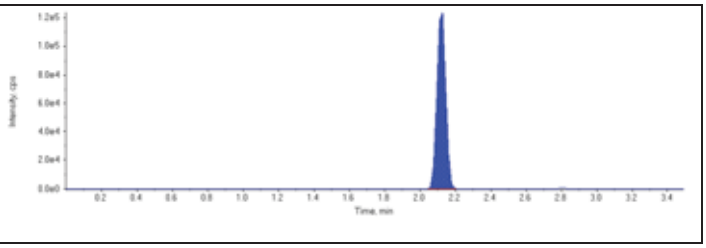
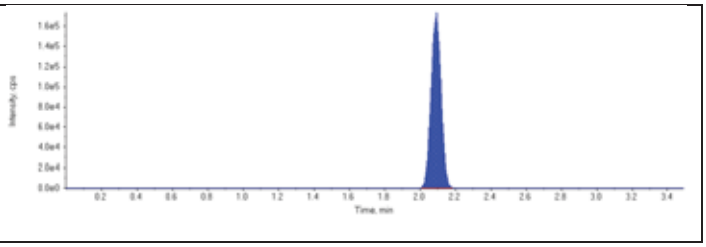
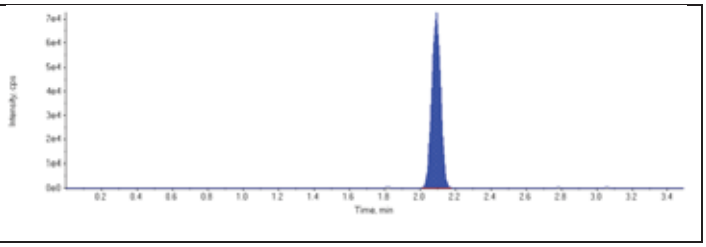
M2 8:2 FTS (Internal Standard)

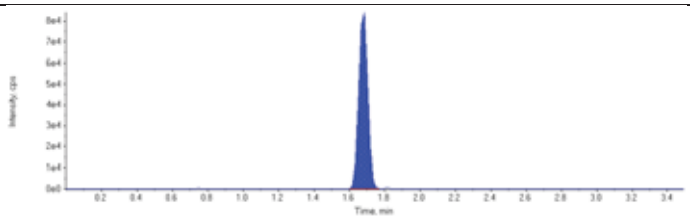
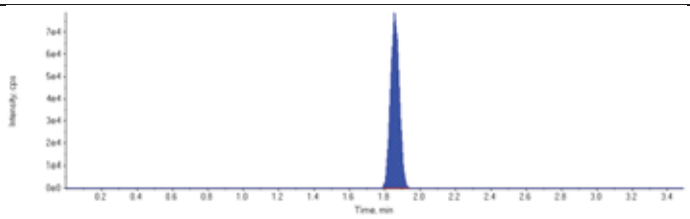
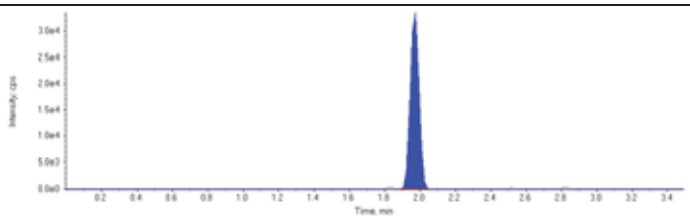
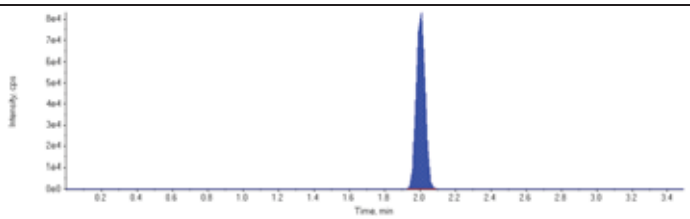
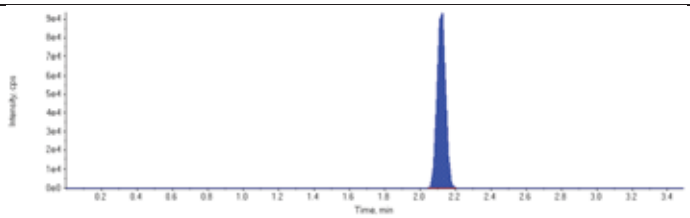
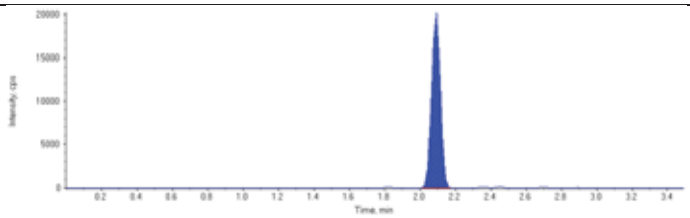
RT (Exp. RT): 2.09(2.15) min
Concentration: 1.00 ug/kg
Sample Type: (Quality Control)

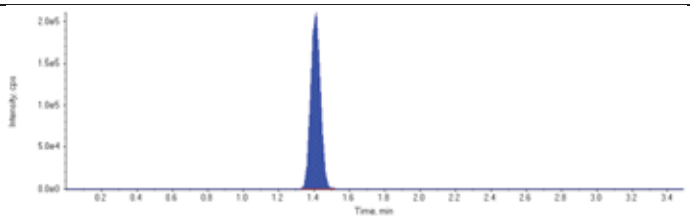
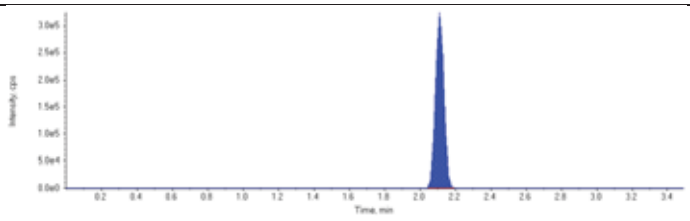


13C6-PFHxA IS (Internal Standard) RT (Exp. RT): 1.41(1.41) min Concentration: 0.752 ug/kg Sample Type: (Quality Control)	
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.11(2.18) min Concentration: 0.752 ug/kg Sample Type: (Quality Control)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Quality Control)	This image is not available

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 28.4 µg/kg Area Ratio: 7.99 Sample Type: (Quality Control)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.68 (1.68) min Calculated Conc: 22.6 µg/kg Area Ratio: 0.0979 Sample Type: (Quality Control)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 26.5 µg/kg Area Ratio: 8.04 Sample Type: (Quality Control)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.86 (1.85) min Calculated Conc: 27.7 µg/kg Area Ratio: 3.18 Sample Type: (Quality Control)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 28.2 µg/kg Area Ratio: 8.61 Sample Type: (Quality Control)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.97 (1.97) min Calculated Conc: 29.6 µg/kg Area Ratio: 2.91 Sample Type: (Quality Control)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 2.00 (2.07) min Calculated Conc: 27.2 µg/kg Area Ratio: 6.81 Sample Type: (Quality Control)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 2.00 (2.07) min Calculated Conc: 28.3 µg/kg Area Ratio: 1.67 Sample Type: (Quality Control)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 25.8 µg/kg Area Ratio: 7.32 Sample Type: (Quality Control)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 25.3 µg/kg Area Ratio: 1.34 Sample Type: (Quality Control)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 2.09 (2.16) min Calculated Conc: 29.7 µg/kg Area Ratio: 9.54 Sample Type: (Quality Control)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 28.8 µg/kg Area Ratio: 3.53 Sample Type: (Quality Control)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.68 (1.76) min Calculated Conc: 105. µg/kg Area Ratio: 0.383 Sample Type: (Quality Control)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.86 (1.93) min Calculated Conc: 112. µg/kg Area Ratio: 0.343 Sample Type: (Quality Control)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.97 (2.05) min Calculated Conc: 105. µg/kg Area Ratio: 0.147 Sample Type: (Quality Control)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 2.00 (2.07) min Calculated Conc: 104. µg/kg Area Ratio: 0.364 Sample Type: (Quality Control)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.12 (2.18) min Calculated Conc: 91.4 µg/kg Area Ratio: 0.302 Sample Type: (Quality Control)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.15) min Calculated Conc: 97.7 µg/kg Area Ratio: 0.0899 Sample Type: (Quality Control)	

13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.41 (1.41) min Calculated Conc: 101. µg/kg Area Ratio: 0.00 Sample Type: (Quality Control)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.11 (2.18) min Calculated Conc: 129. µg/kg Area Ratio: 0.00 Sample Type: (Quality Control)	

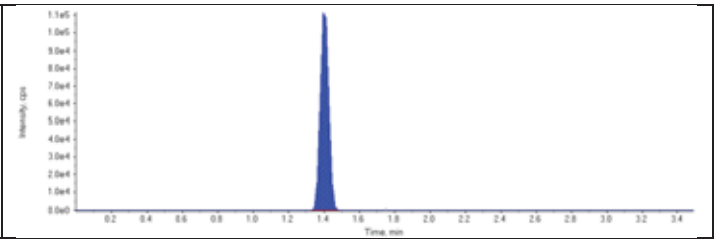
Sample ID	IB	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/05/23 1:29:00 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	381000.	1.40	1.00	-
MPFHxS	106000.	1.66	1.00	-
MPFHpA	437000.	1.66	1.00	-
MPFOA	332000.	1.85	1.00	-
MPFOS	156000.	1.96	1.00	-
MPFNA	339000.	1.99	1.00	-
MPFDA	369000.	2.11	1.00	-
MPFUnA	275000.	2.21	1.00	-
MPFDoA	271000.	2.30	1.00	-
MPFTeDA	269000.	2.44	1.00	-
M2 6:2 FTS	147000.	1.81	1.00	-
M2 8:2 FTS	83400.	2.09	1.00	-
13C6-PFHxA IS	1330000.	1.39	41.7	-
13C9-PFDA IS	1280000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	822	1.14	N/A	0.00430	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	1040	1.29	N/A	0.00457	N/A
PFHxS 1	0	0.00	N/A	N/A	N/A
PFHxS 2	638	1.67	N/A	0.00388	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	606	1.71	N/A	0.000158	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1600	1.84	N/A	0.00605	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	312	1.92	N/A	0.00373	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1070	2.11	N/A	0.00310	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	681	2.21	N/A	0.00416	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	787	2.38	N/A	0.00211	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	495	1.81	N/A	0.00328	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	598	2.09	N/A	0.00583	N/A
13C2-PFHxA	381000	1.40	N/A	89.0	N/A
18O2-PFHxS	106000	1.66	N/A	92.5	N/A
13C4-PFHpA	437000	1.66	N/A	99.5	N/A
13C4-PFOA	332000	1.85	N/A	90.8	N/A
13C4-PFOS	156000	1.96	N/A	92.5	N/A
13C5-PFNA	339000	1.99	N/A	86.9	N/A
13C2-PFDA	369000	2.11	N/A	93.0	N/A
13C2-PFUnA	275000	2.21	N/A	93.4	N/A
13C2-PFDoA	271000	2.30	N/A	95.1	N/A
13C2-PFTeDA	269000	2.44	N/A	86.2	N/A
13C2-6:2-FTS	147000	1.81	N/A	92.8	N/A
13C2-8:2 FTS	83400	2.09	N/A	94.2	N/A
13C6-PFHxA	1330000	1.39	N/A	2.50	N/A
13C9-PFDA	1280000	2.10	N/A	2.57	N/A

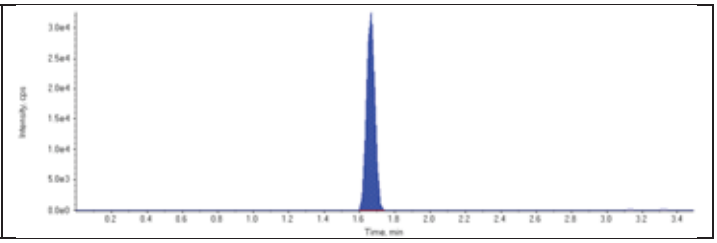
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



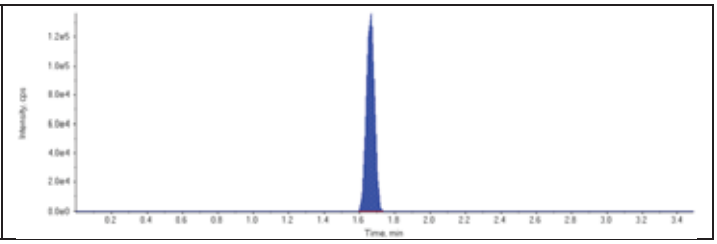
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



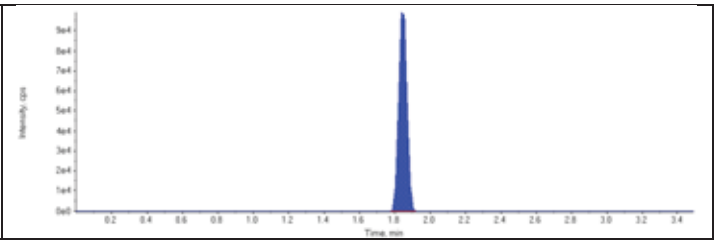
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



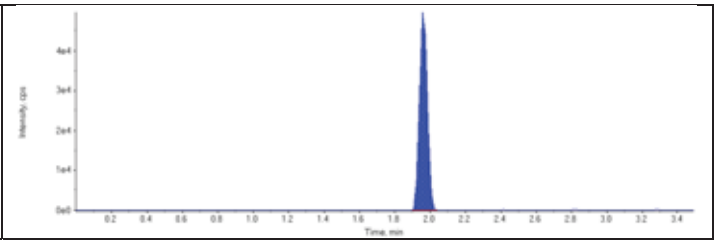
MPFOA (Internal Standard)

RT (Exp. RT): 1.85(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



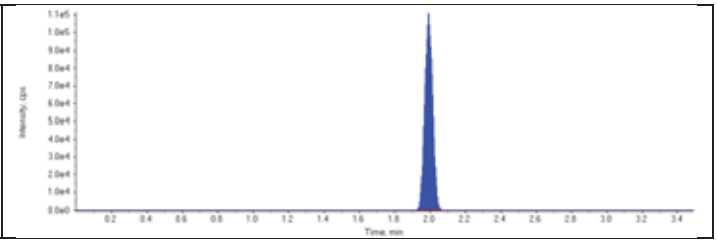
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



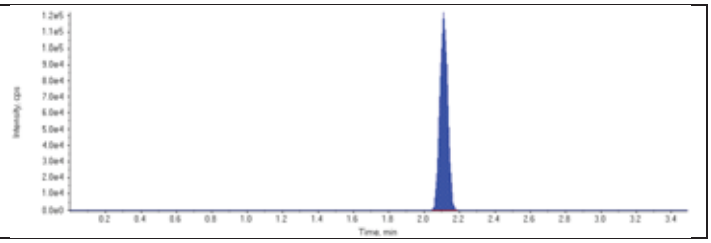
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



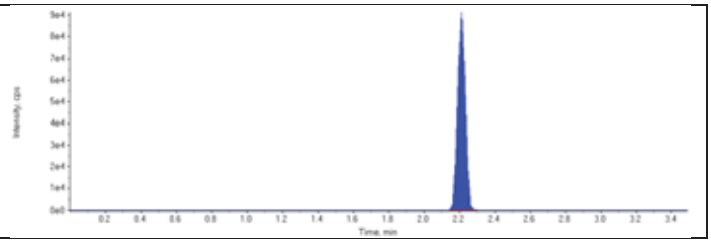
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



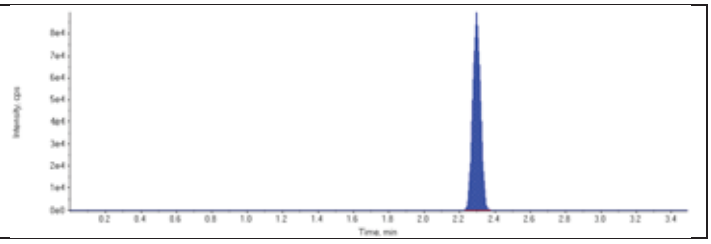
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



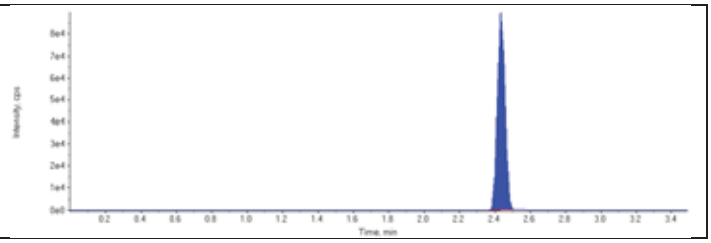
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



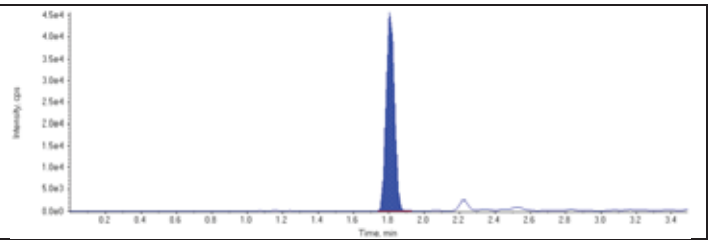
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



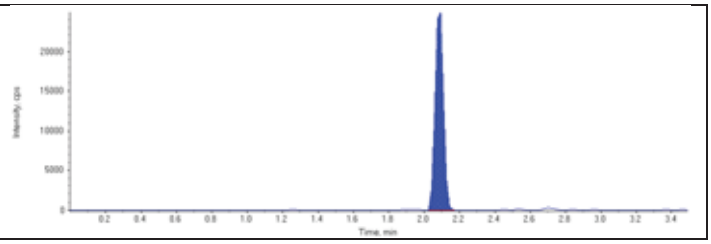
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



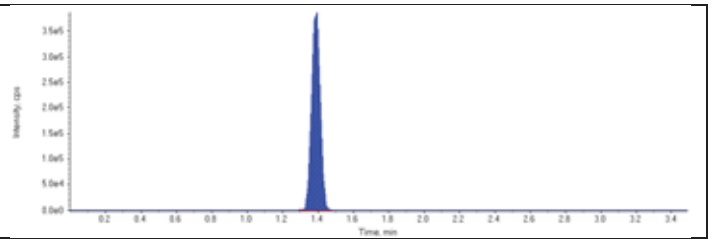
M2 8:2 FTS (Internal Standard)

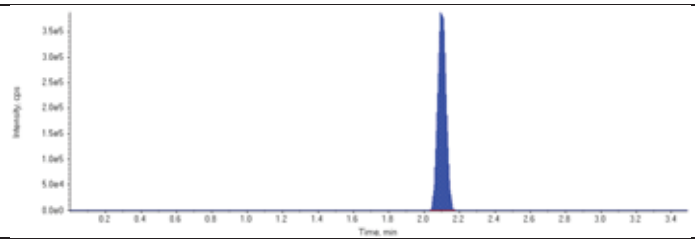
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

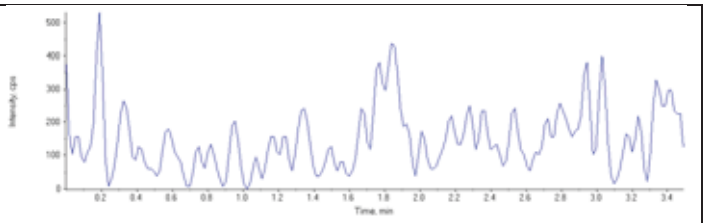
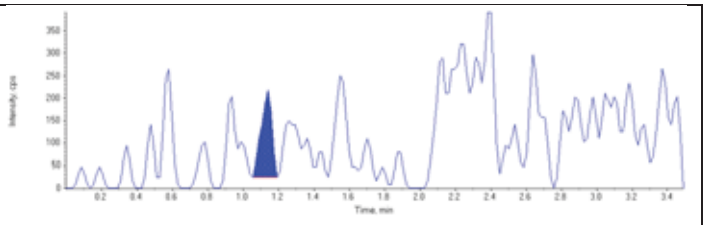
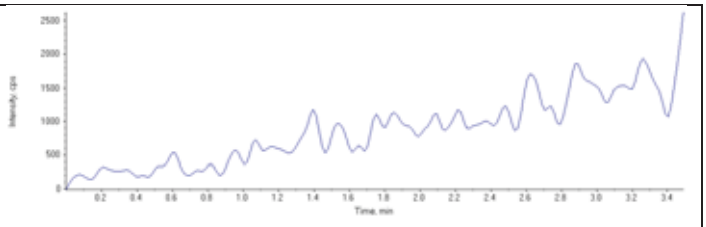
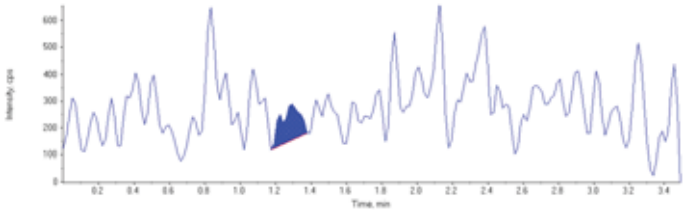
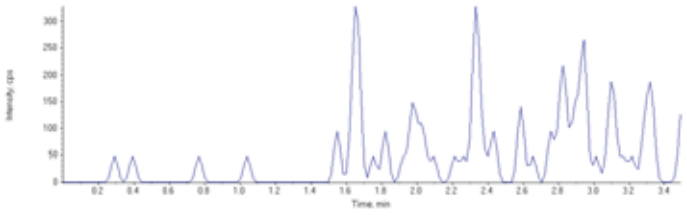
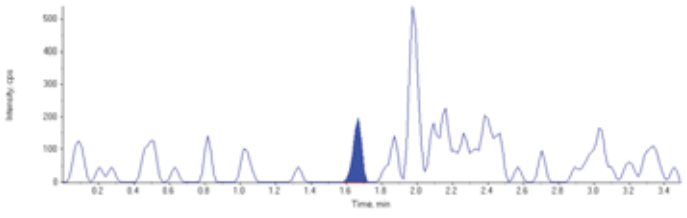


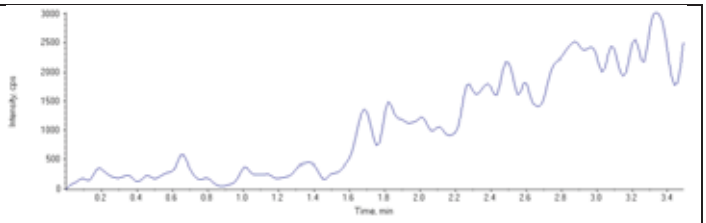
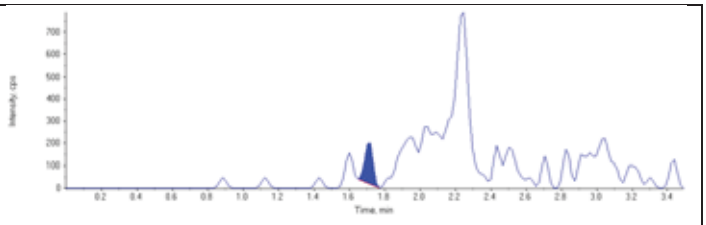
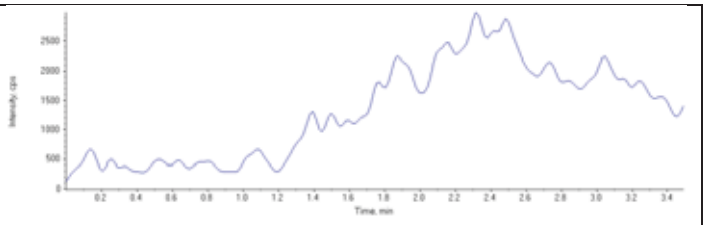
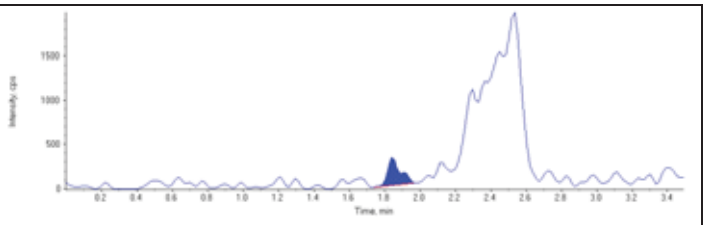
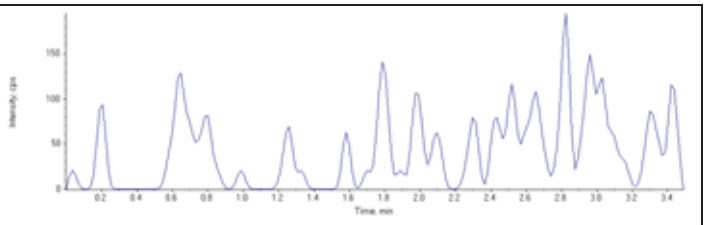
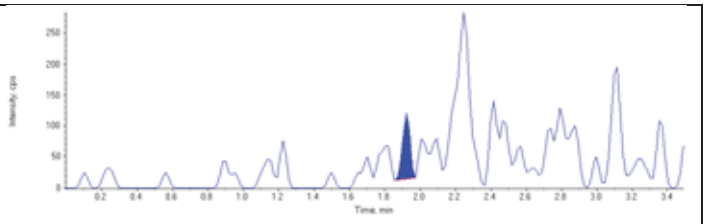
13C6-PFHxA IS (Internal Standard)

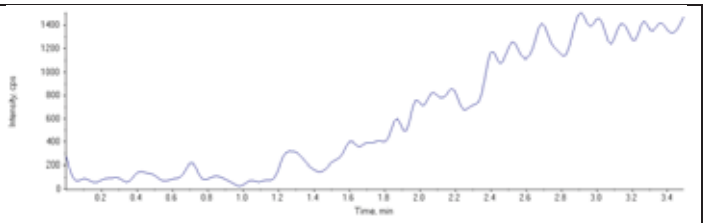
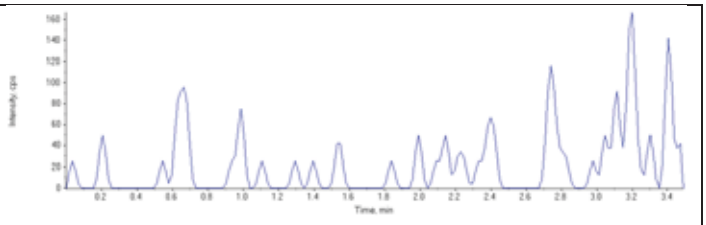
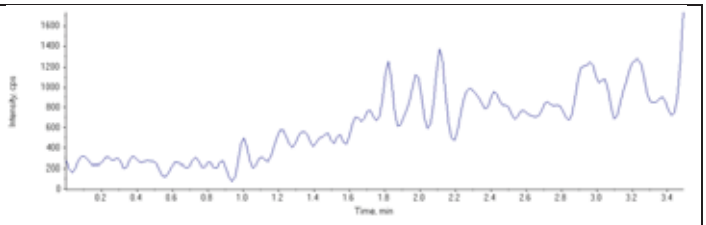
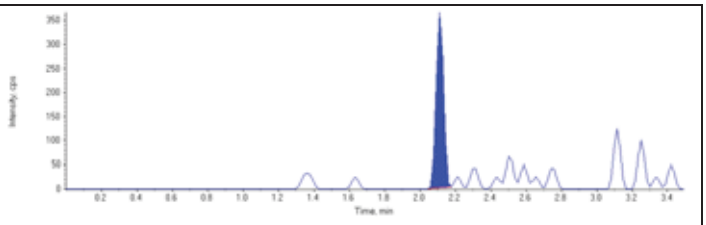
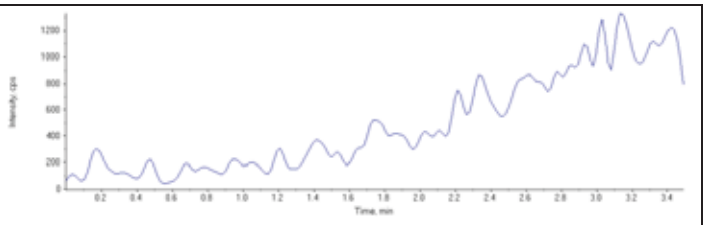
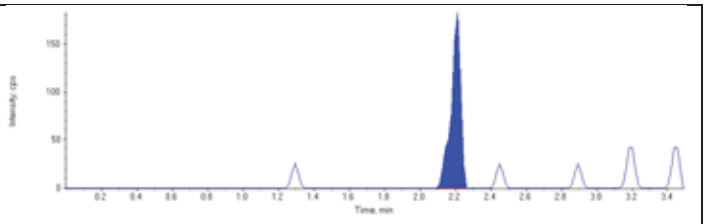
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.14 (1.09) min Calculated Conc: 0.00430 µg/L Area Ratio: 0.00775 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.29 (1.41) min Calculated Conc: 0.00457 µg/L Area Ratio: 0.00272 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 1.67 (1.67) min Calculated Conc: 0.00388 µg/L Area Ratio: 0.00602 Sample Type: (Unknown)	

PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.71 (1.67) min Calculated Conc: 0.000158 µg/L Area Ratio: 0.00139 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 0.00605 µg/L Area Ratio: 0.00482 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.96) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 1.92 (1.96) min Calculated Conc: 0.00373 µg/L Area Ratio: 0.00199 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.00310 µg/L Area Ratio: 0.00291 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 0.00416 µg/L Area Ratio: 0.00248 Sample Type: (Unknown)	

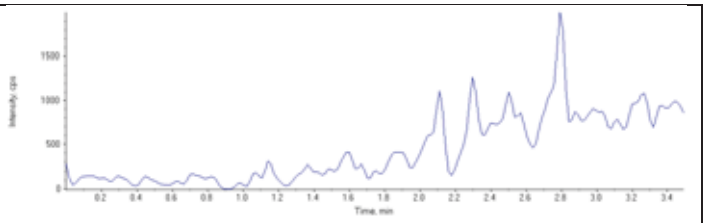
PFDoA 1 (612.900/569.000 Da)

RT (Exp. RT): 0.00 (2.36) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



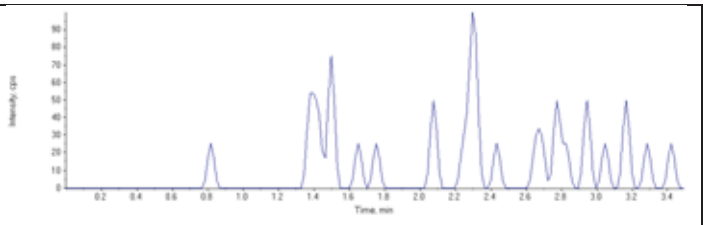
PFDoA 2 (612.900/319.000 Da)

RT (Exp. RT): 0.00 (2.35) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



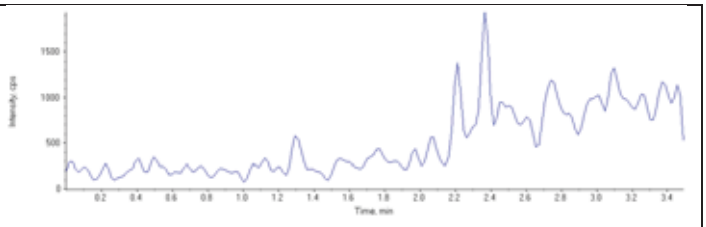
PFTrDA 1 (663.000/619.000 Da)

RT (Exp. RT): 0.00 (2.42) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



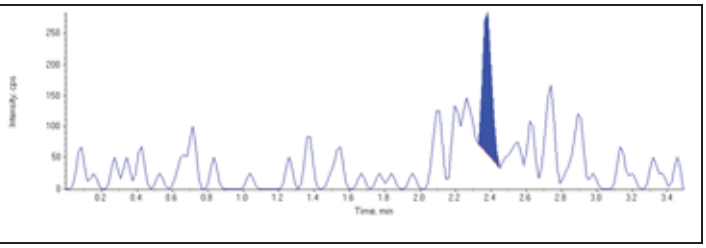
PFTrDA 2 (663.000/318.900 Da)

RT (Exp. RT): 2.38 (2.37) min

Calculated Conc: 0.00211 µg/L

Area Ratio: 0.00293

Sample Type: (Unknown)



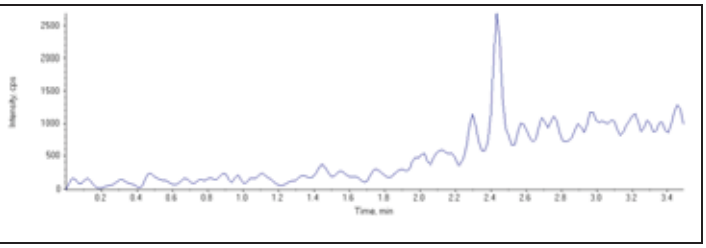
PFTeDA 1 (713.000/669.000 Da)

RT (Exp. RT): 0.00 (2.49) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



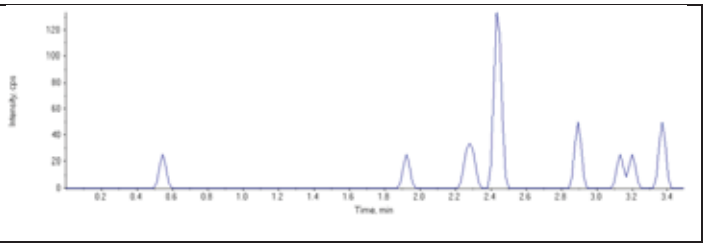
PFTeDA 2 (713.000/319.200 Da)

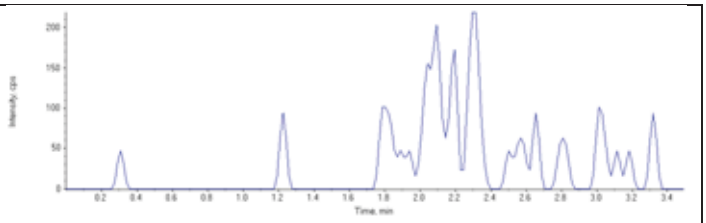
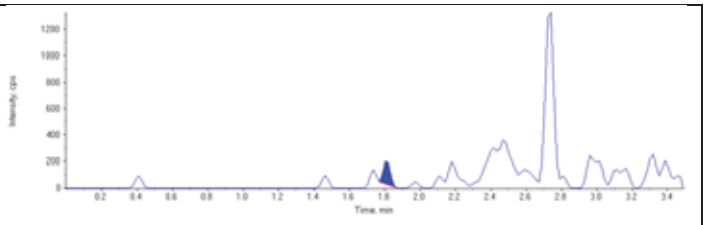
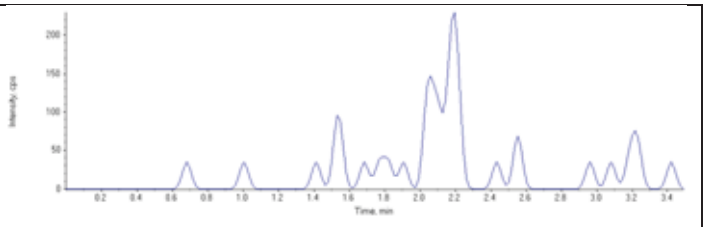
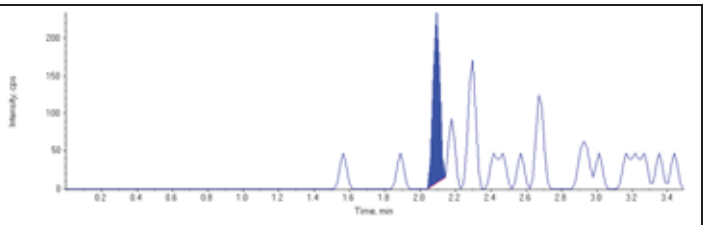
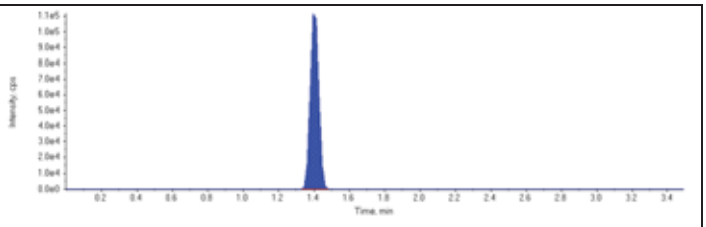
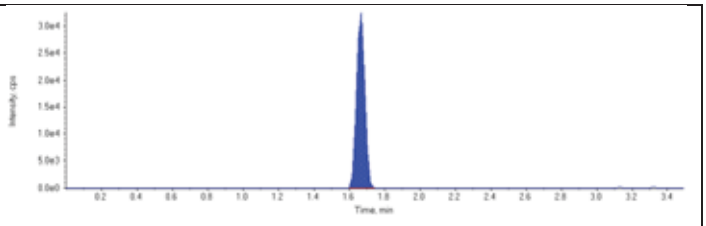
RT (Exp. RT): 0.00 (2.49) min

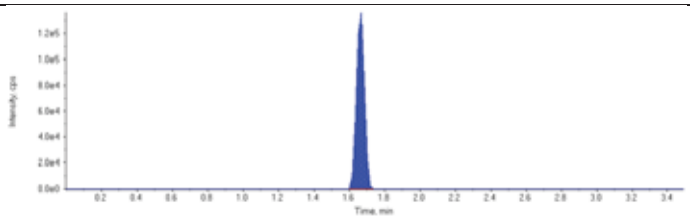
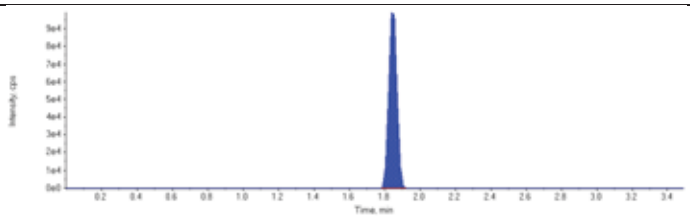
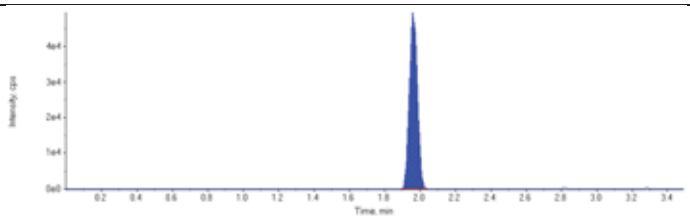
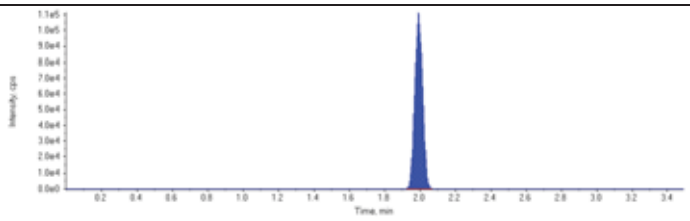
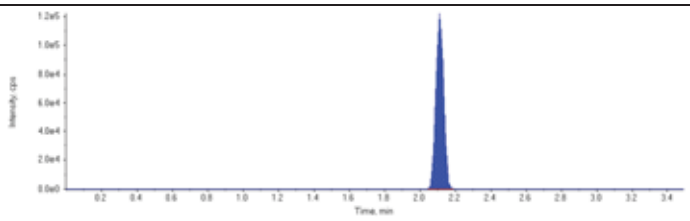
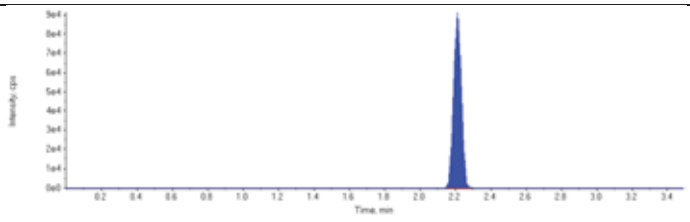
Calculated Conc: N/A µg/L

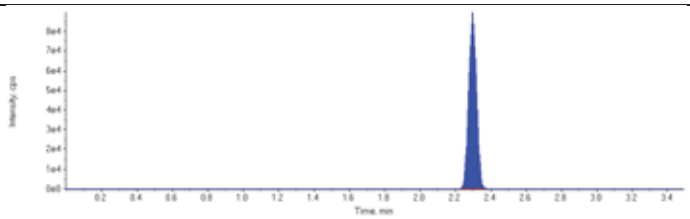
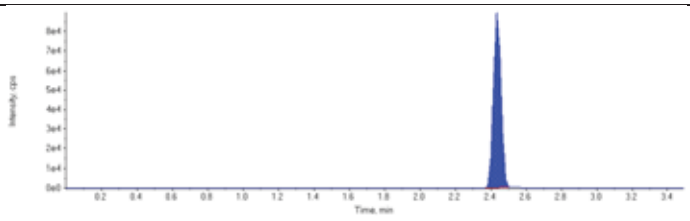
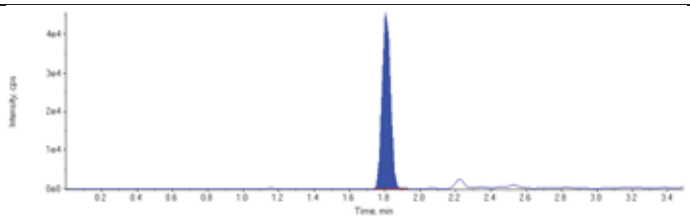
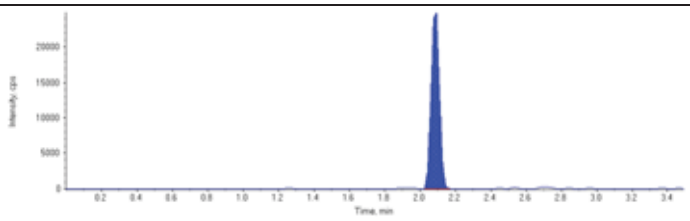
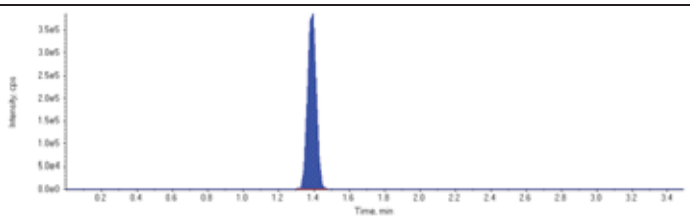
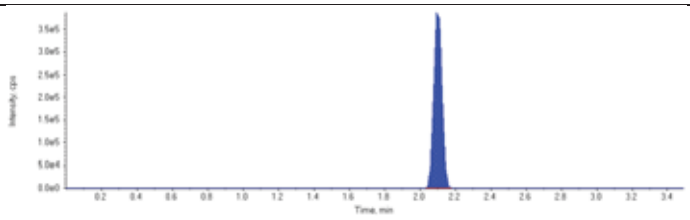
Area Ratio: 0.00

Sample Type: (Unknown)



6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.90) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 0.00328 µg/L Area Ratio: 0.00336 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 2.09 (2.09) min Calculated Conc: 0.00583 µg/L Area Ratio: 0.00717 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 89.0 µg/L Area Ratio: 0.286 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 92.5 µg/L Area Ratio: 0.0797 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 99.5 µg/L Area Ratio: 0.329 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 90.8 µg/L Area Ratio: 0.250 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 92.5 µg/L Area Ratio: 0.117 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 86.9 µg/L Area Ratio: 0.254 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 93.0 µg/L Area Ratio: 0.288 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 93.4 µg/L Area Ratio: 0.215 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 95.1 µg/L Area Ratio: 0.212 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 86.2 µg/L Area Ratio: 0.210 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 92.8 µg/L Area Ratio: 0.111 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.09 (2.08) min Calculated Conc: 94.2 µg/L Area Ratio: 0.0627 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.50 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.57 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

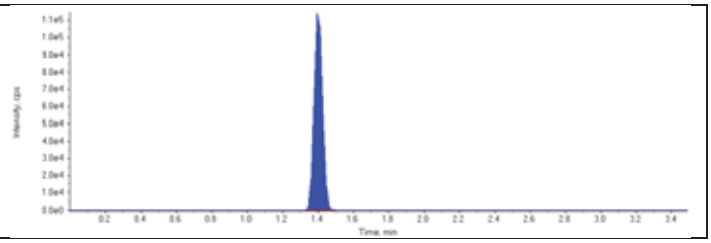
Sample ID	IB	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/05/23 2:24:47 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	386000.	1.40	1.00	-
MPFHxS	113000.	1.66	1.00	-
MPFHpA	442000.	1.66	1.00	-
MPFOA	341000.	1.84	1.00	-
MPFOS	151000.	1.96	1.00	-
MPFNA	350000.	1.99	1.00	-
MPFDA	336000.	2.11	1.00	-
MPFUnA	254000.	2.21	1.00	-
MPFDoA	260000.	2.30	1.00	-
MPFTeDA	269000.	2.44	1.00	-
M2 6:2 FTS	130000.	1.81	1.00	-
M2 8:2 FTS	75100.	2.08	1.00	-
13C6-PFHxA IS	1250000.	1.39	41.7	-
13C9-PFDA IS	1190000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	546	1.14	N/A	0.00418	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	1330	1.46	N/A	0.00525	N/A
PFHxS 1	0	0.00	N/A	N/A	N/A
PFHxS 2	0	0.00	N/A	N/A	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	766	1.76	N/A	0.00134	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1060	1.83	N/A	0.00582	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	798	2.16	N/A	0.00427	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1020	2.11	N/A	0.00313	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	544	2.21	N/A	0.00399	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	681	2.30	N/A	0.00517	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	615	2.14	N/A	0.00177	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	0	0.00	N/A	N/A	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C2-PFHxA	386000	1.40	N/A	96.3	N/A
18O2-PFHxS	113000	1.66	N/A	105.	N/A
13C4-PFHpA	442000	1.66	N/A	107.	N/A
13C4-PFOA	341000	1.84	N/A	99.4	N/A
13C4-PFOS	151000	1.96	N/A	95.2	N/A
13C5-PFNA	350000	1.99	N/A	95.8	N/A
13C2-PFDA	336000	2.11	N/A	91.1	N/A
13C2-PFUnA	254000	2.21	N/A	92.5	N/A
13C2-PFDoA	260000	2.30	N/A	98.1	N/A
13C2-PFTeDA	269000	2.44	N/A	92.4	N/A
13C2-6:2-FTS	130000	1.81	N/A	87.2	N/A
13C2-8:2 FTS	75100	2.08	N/A	90.4	N/A
13C6-PFHxA	1250000	1.39	N/A	2.34	N/A
13C9-PFDA	1190000	2.10	N/A	2.39	N/A

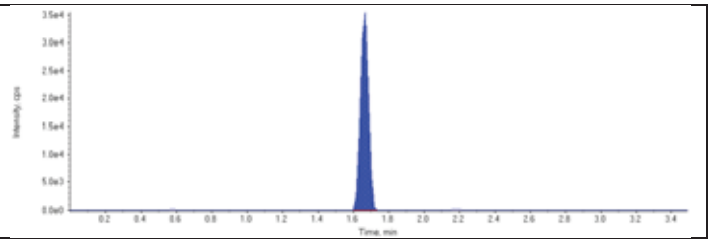
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



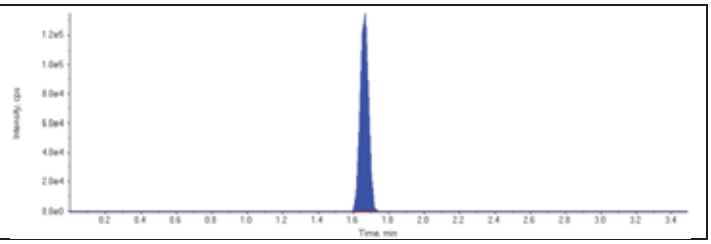
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



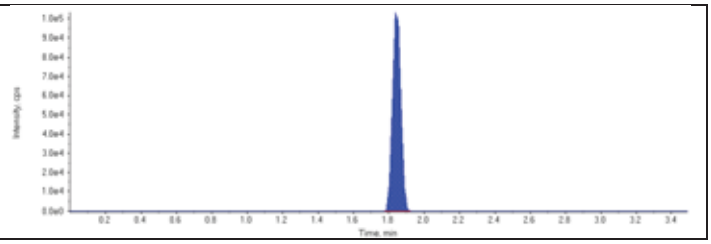
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



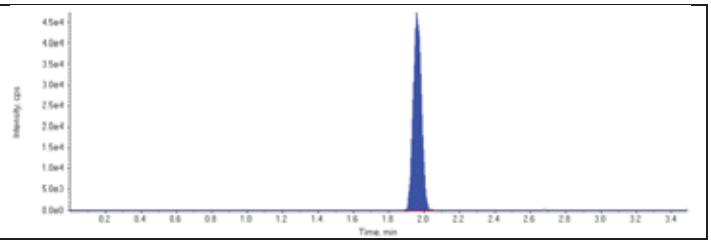
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



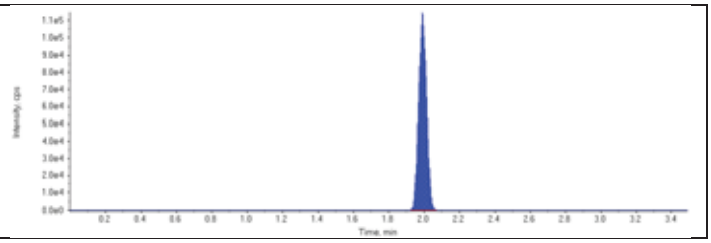
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



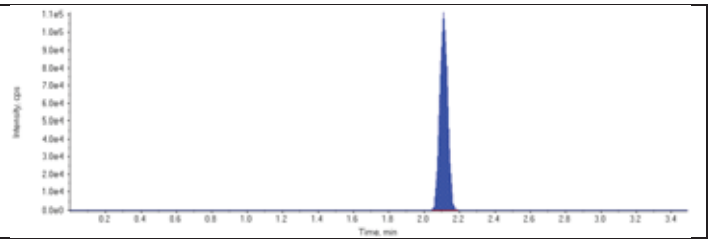
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



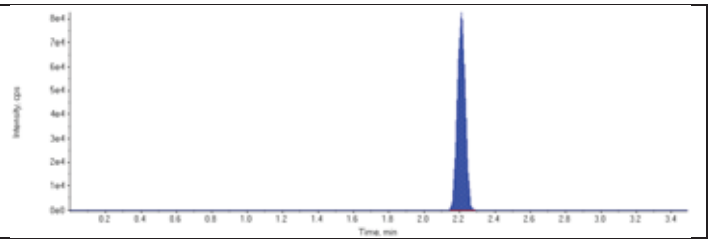
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



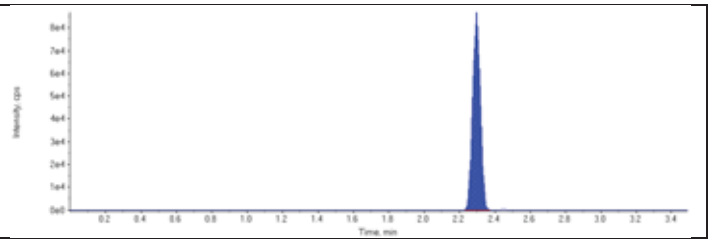
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



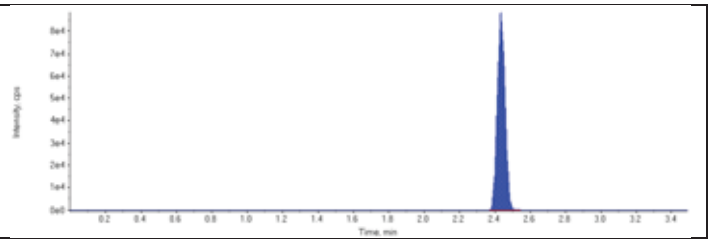
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



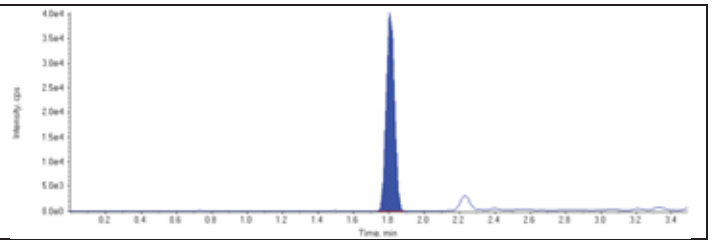
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



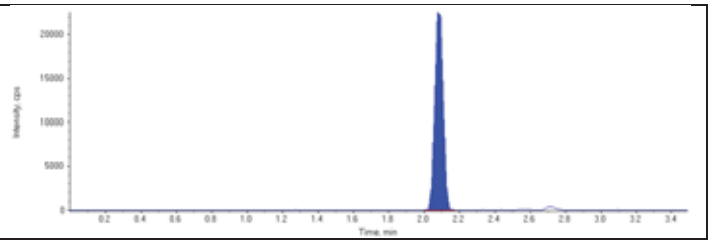
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



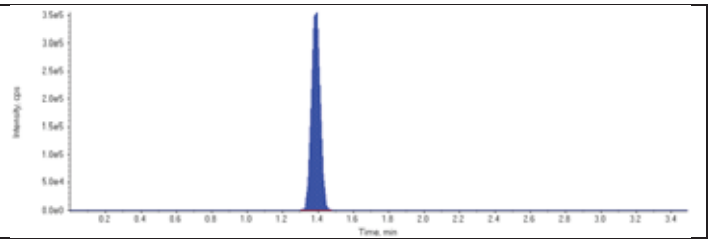
M2 8:2 FTS (Internal Standard)

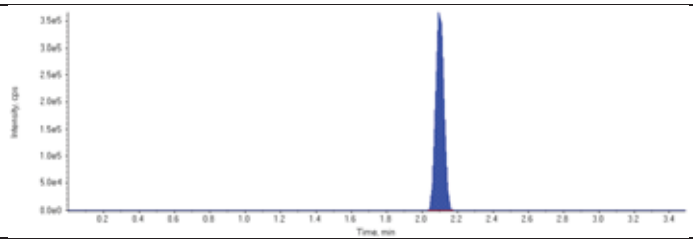
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

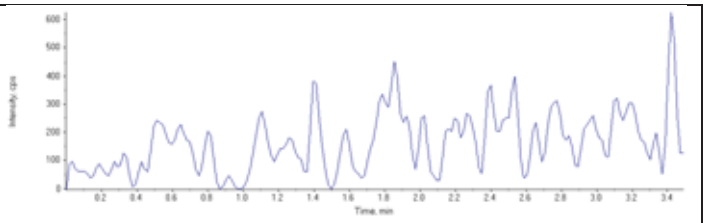
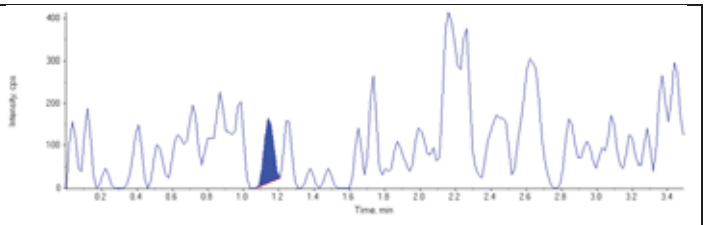
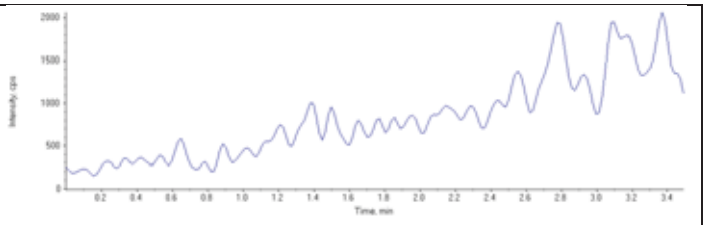
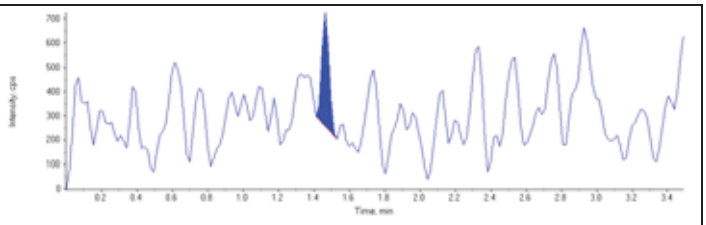
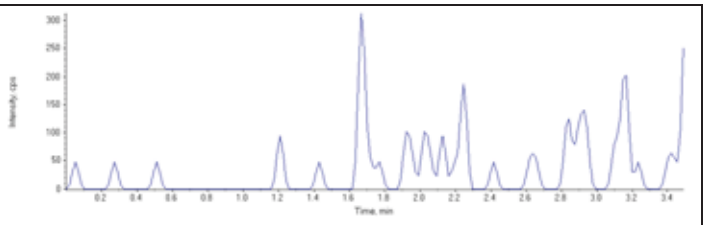
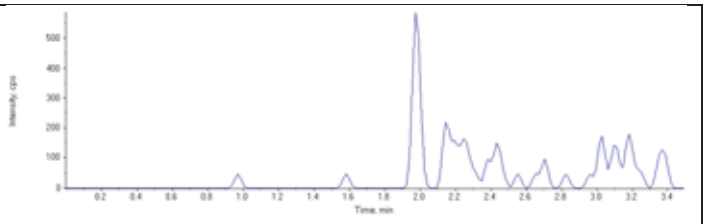


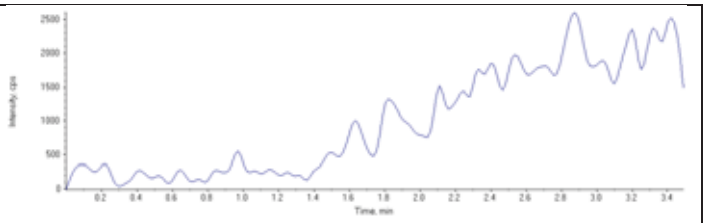
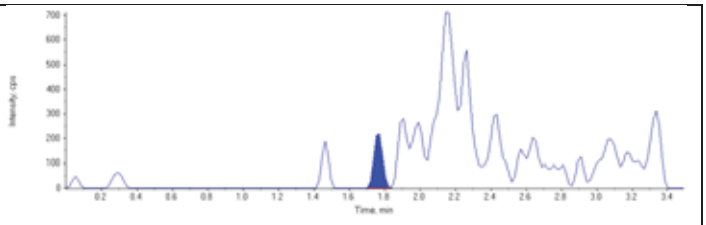
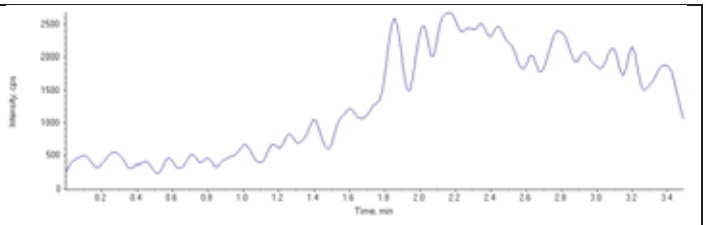
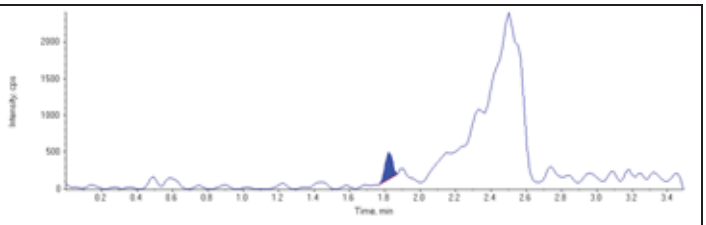
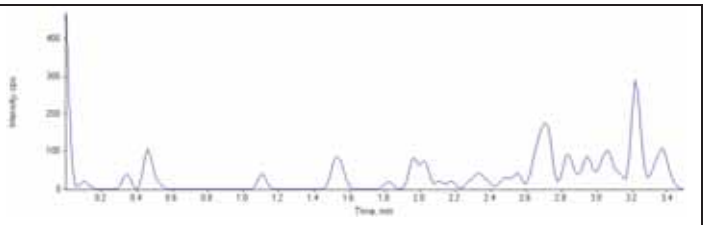
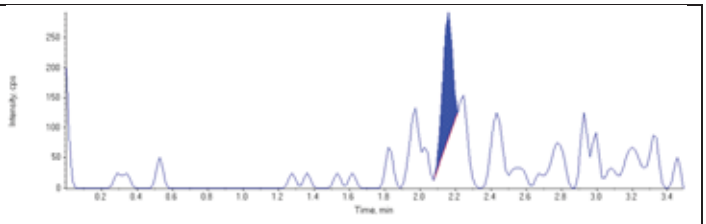
13C6-PFHxA IS (Internal Standard)

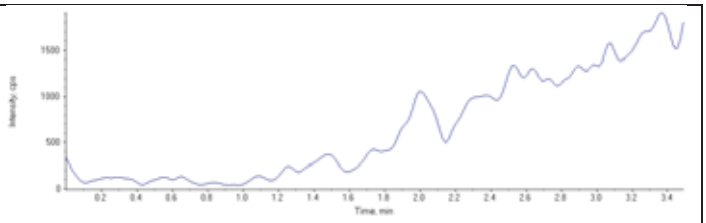
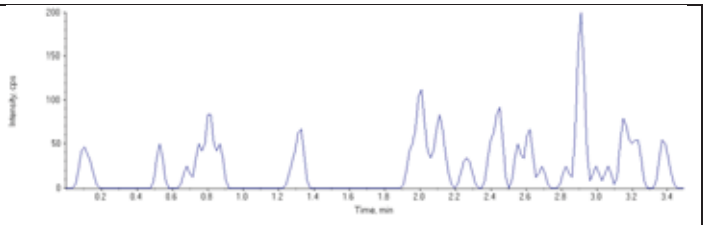
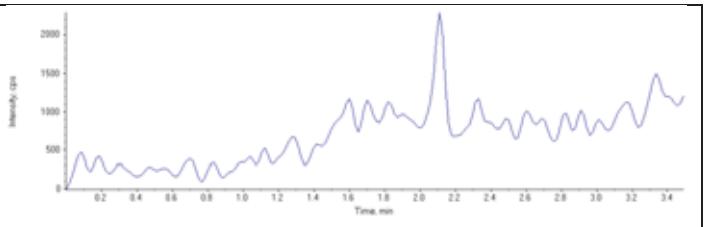
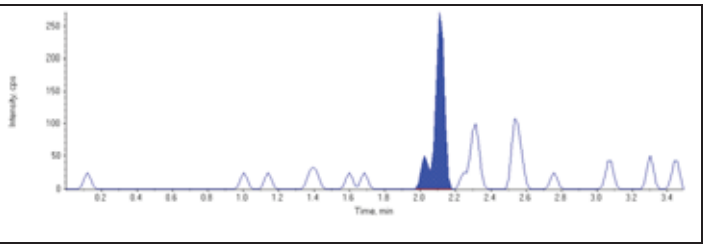
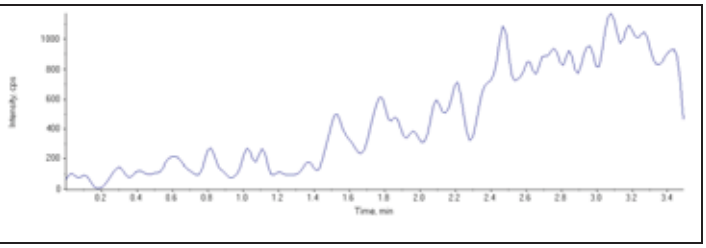
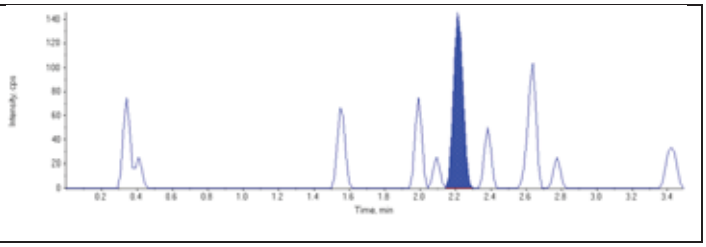
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

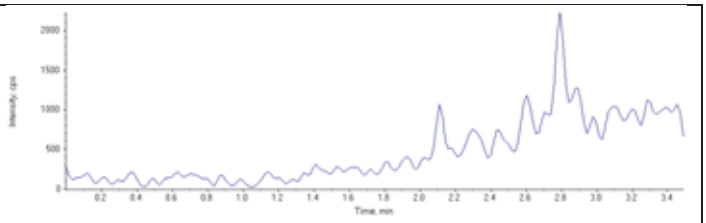
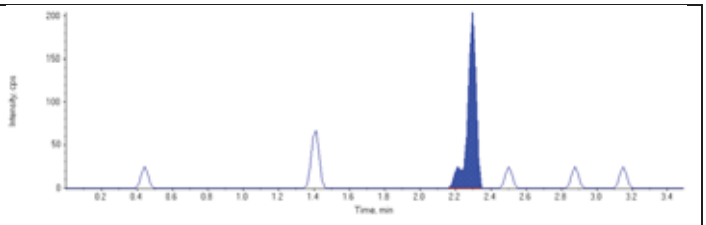
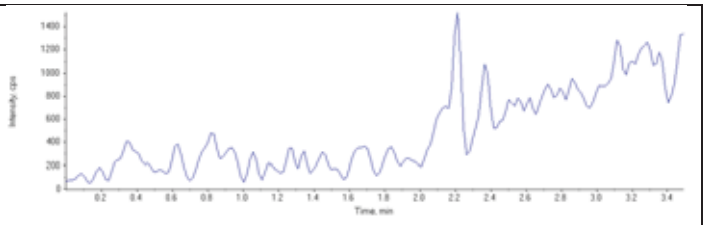
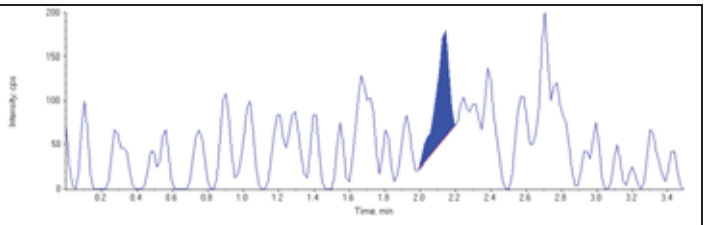
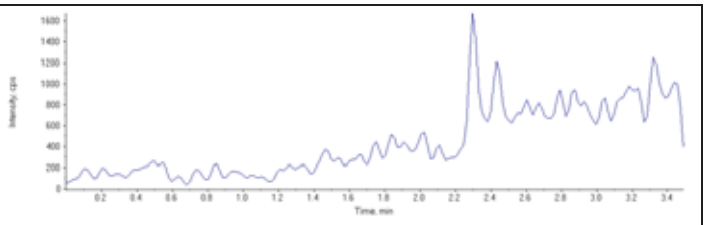
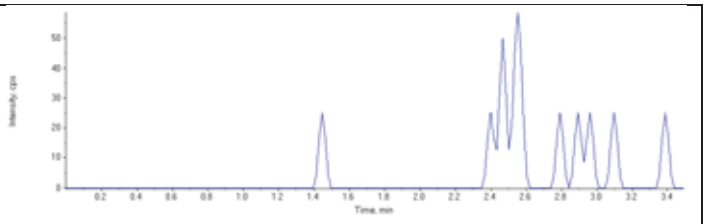


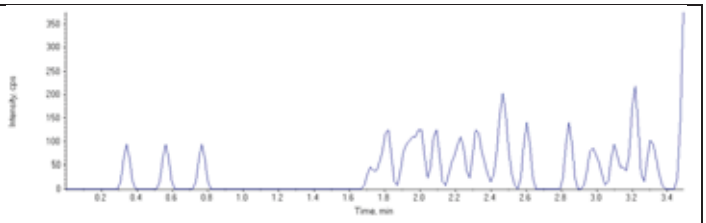
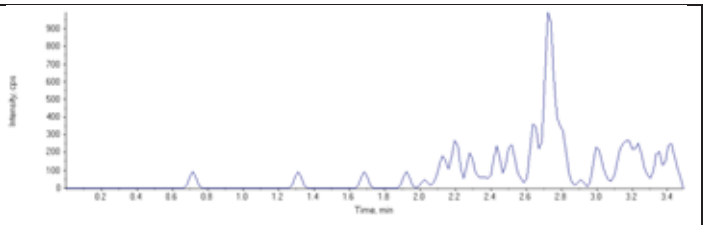
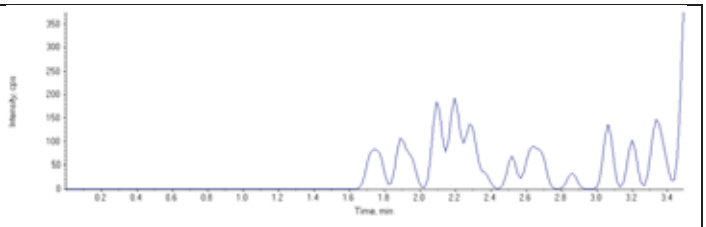
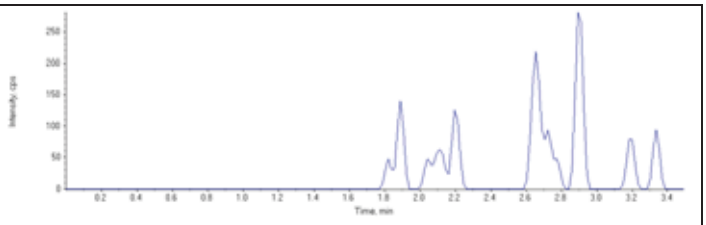
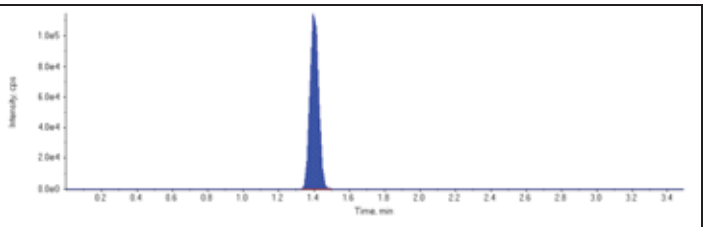
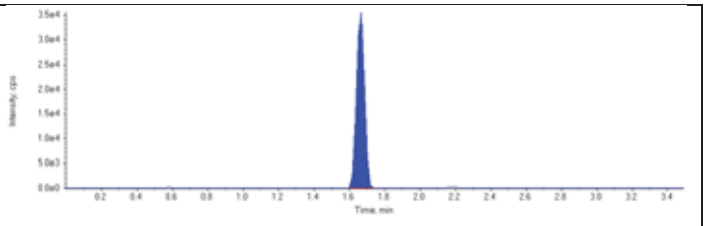
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

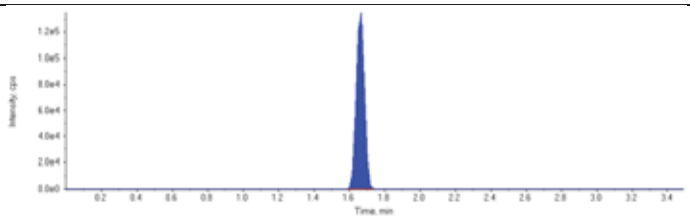
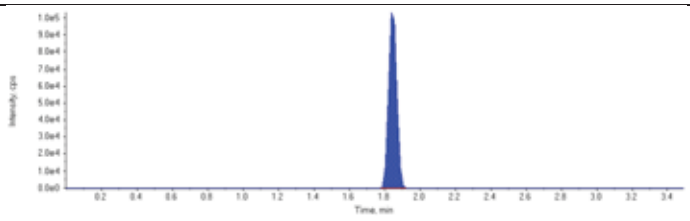
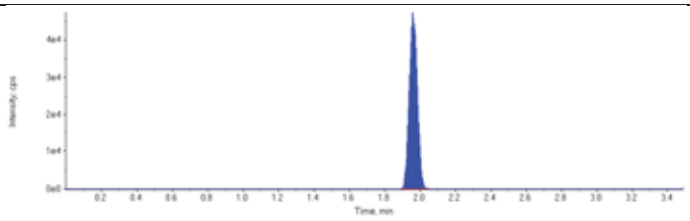
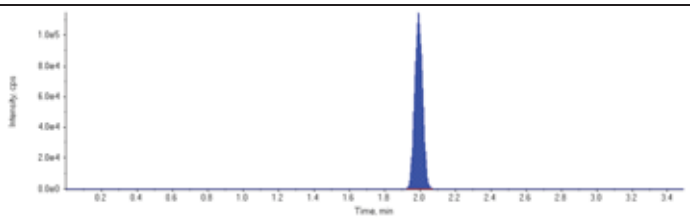
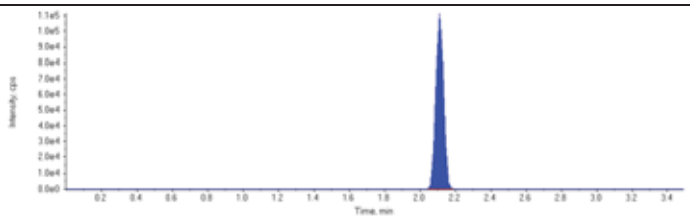
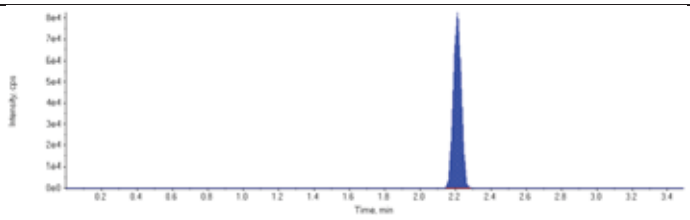
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 1.14 (1.09) min Calculated Conc: 0.00418 µg/L Area Ratio: 0.00483 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.46 (1.41) min Calculated Conc: 0.00525 µg/L Area Ratio: 0.00345 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

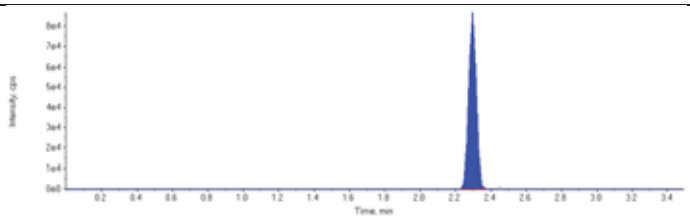
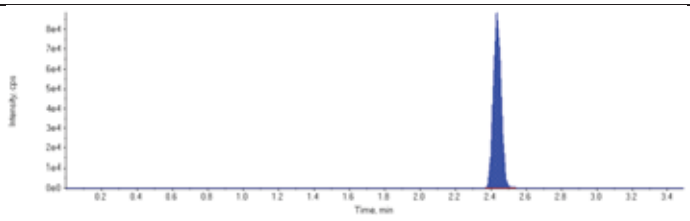
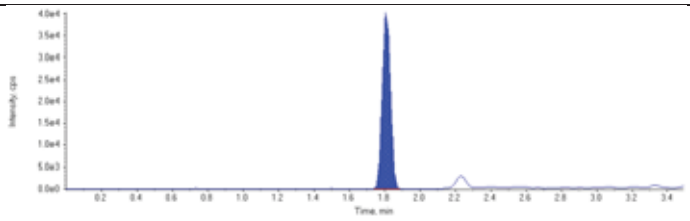
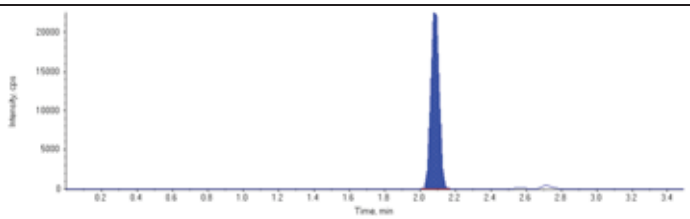
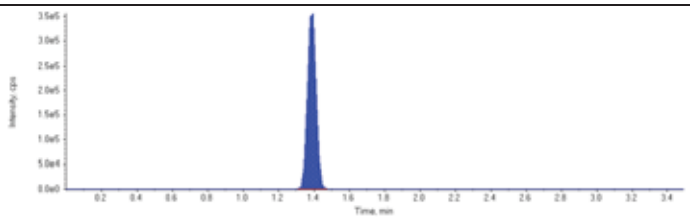
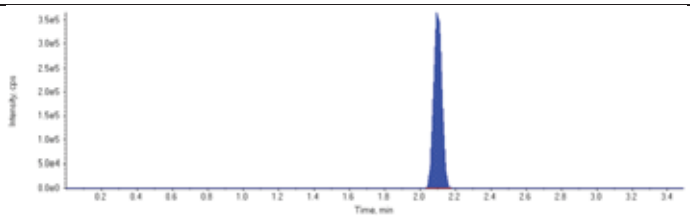
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.76 (1.67) min Calculated Conc: 0.00134 µg/L Area Ratio: 0.00173 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.83 (1.84) min Calculated Conc: 0.00582 µg/L Area Ratio: 0.00311 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.96) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 2.16 (1.96) min Calculated Conc: 0.00427 µg/L Area Ratio: 0.00530 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 0.00313 µg/L Area Ratio: 0.00303 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 0.00399 µg/L Area Ratio: 0.00215 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 0.00517 µg/L Area Ratio: 0.00262 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.14 (2.37) min Calculated Conc: 0.00177 µg/L Area Ratio: 0.00229 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.90) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 0.00 (1.80) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 96.3 µg/L Area Ratio: 0.310 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 105. µg/L Area Ratio: 0.0908 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 107. µg/L Area Ratio: 0.354 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 99.4 µg/L Area Ratio: 0.273 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 95.2 µg/L Area Ratio: 0.121 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 95.8 µg/L Area Ratio: 0.281 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 91.1 µg/L Area Ratio: 0.282 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 92.5 µg/L Area Ratio: 0.213 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 98.1 µg/L Area Ratio: 0.218 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 92.4 µg/L Area Ratio: 0.225 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 87.2 µg/L Area Ratio: 0.104 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 90.4 µg/L Area Ratio: 0.0602 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.34 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.39 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

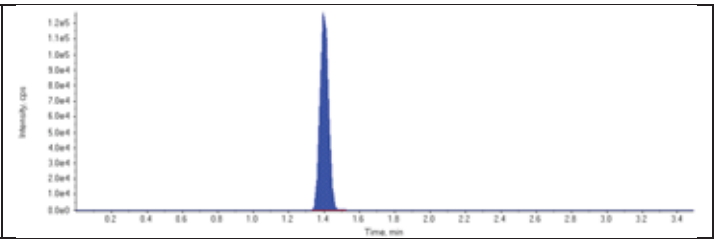
Sample ID	IB	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/05/23 2:40:00 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	421000.	1.40	1.00	-
MPFHxS	105000.	1.66	1.00	-
MPFHpA	427000.	1.66	1.00	-
MPFOA	372000.	1.84	1.00	-
MPFOS	146000.	1.96	1.00	-
MPFNA	396000.	1.99	1.00	-
MPFDA	381000.	2.11	1.00	-
MPFUnA	273000.	2.21	1.00	-
MPFDoA	252000.	2.30	1.00	-
MPFTeDA	282000.	2.44	1.00	-
M2 6:2 FTS	149000.	1.81	1.00	-
M2 8:2 FTS	80200.	2.08	1.00	-
13C6-PFHxA IS	1330000.	1.39	41.7	-
13C9-PFDA IS	1240000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	0	0.00	N/A	N/A	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	1050	1.39	N/A	0.00435	N/A
PFHxS 1	0	0.00	N/A	N/A	N/A
PFHxS 2	0	0.00	N/A	N/A	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	415	1.68	N/A	N/A	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	749	1.85	N/A	0.00568	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	830	2.11	N/A	0.00434	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	0	0.00	N/A	N/A	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	1290	2.12	N/A	0.00324	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	1220	2.17	N/A	0.00285	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	0	0.00	N/A	N/A	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	0	0.00	N/A	N/A	N/A
13C2-PFHxA	421000	1.40	N/A	98.4	N/A
18O2-PFHxS	105000	1.66	N/A	91.4	N/A
13C4-PFHpA	427000	1.66	N/A	96.9	N/A
13C4-PFOA	372000	1.84	N/A	102.	N/A
13C4-PFOS	146000	1.96	N/A	86.2	N/A
13C5-PFNA	396000	1.99	N/A	101.	N/A
13C2-PFDA	381000	2.11	N/A	99.6	N/A
13C2-PFUnA	273000	2.21	N/A	95.9	N/A
13C2-PFDoA	252000	2.30	N/A	91.5	N/A
13C2-PFTeDA	282000	2.44	N/A	93.7	N/A
13C2-6:2-FTS	149000	1.81	N/A	93.9	N/A
13C2-8:2 FTS	80200	2.08	N/A	90.5	N/A
13C6-PFHxA	1330000	1.39	N/A	2.50	N/A
13C9-PFDA	1240000	2.10	N/A	2.48	N/A

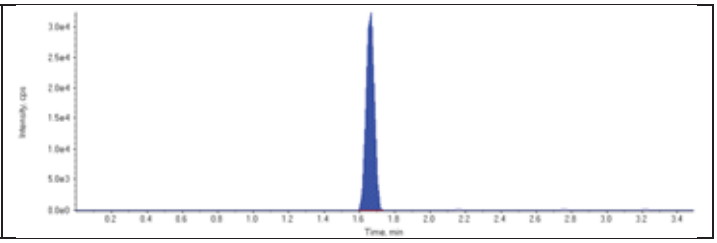
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



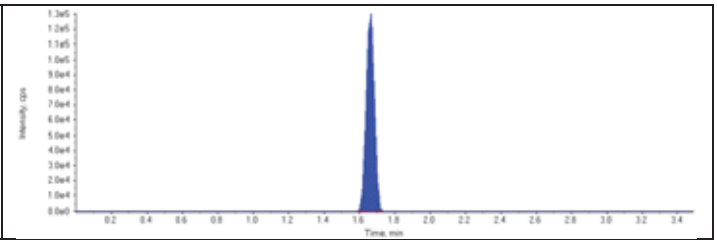
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



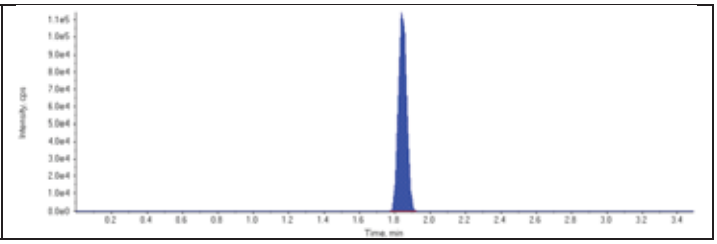
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



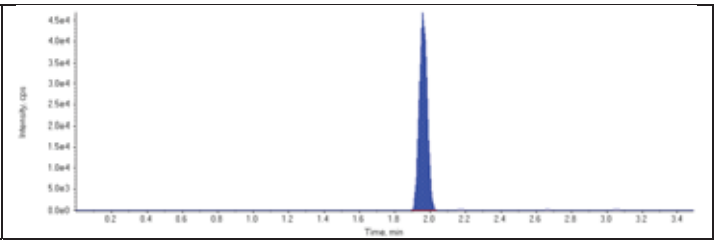
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



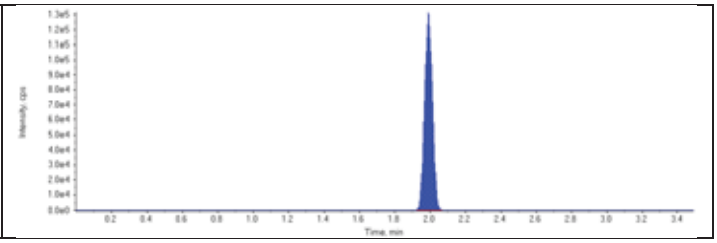
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



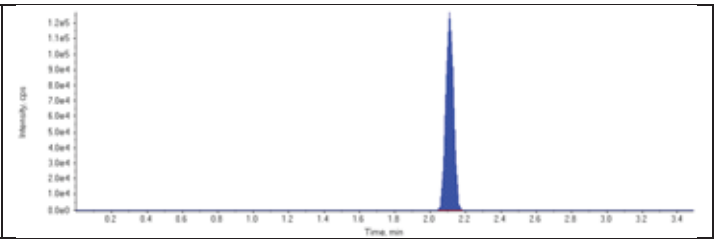
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



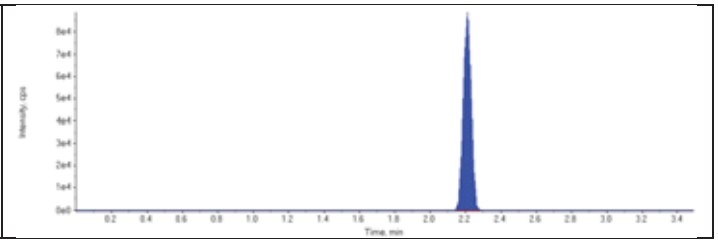
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



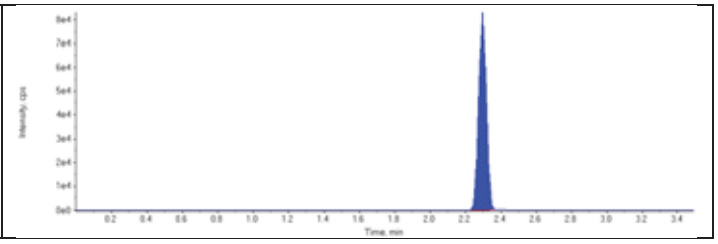
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



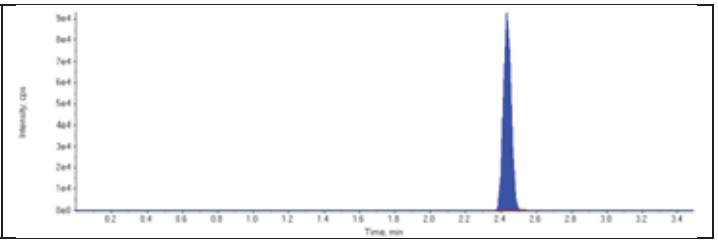
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



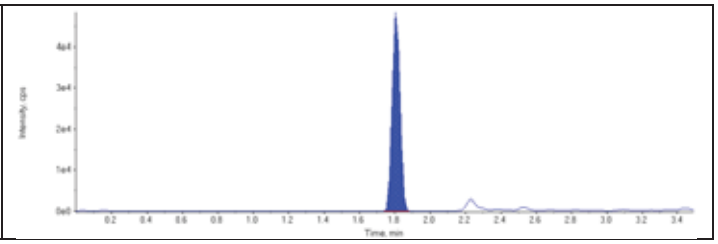
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



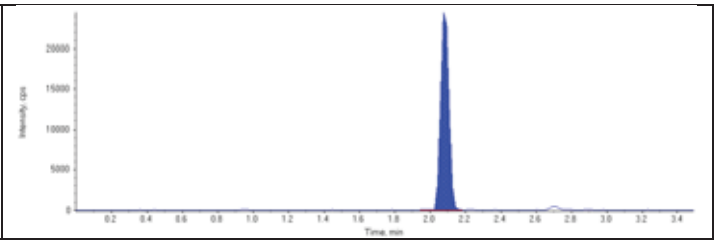
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



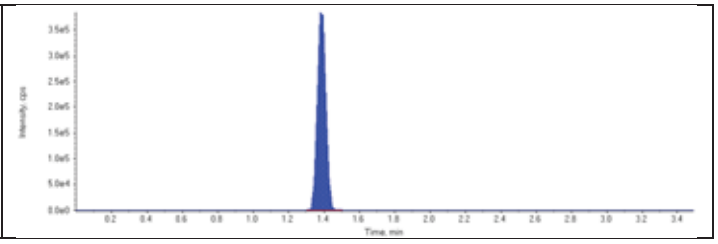
M2 8:2 FTS (Internal Standard)

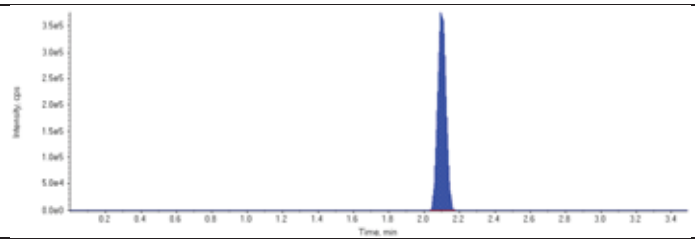
RT (Exp. RT): 2.08(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)

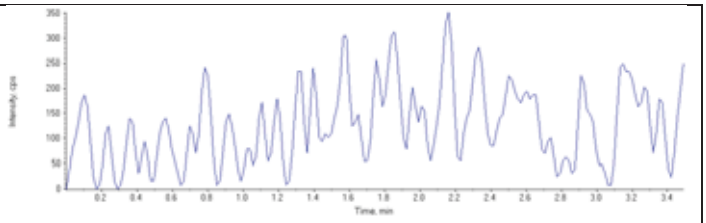
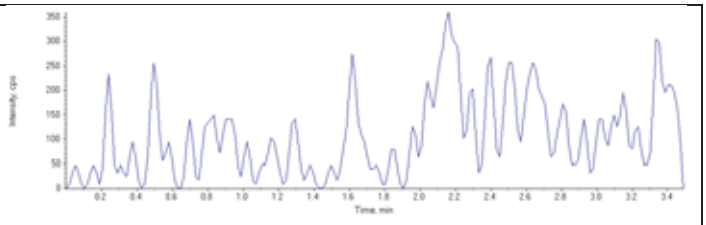
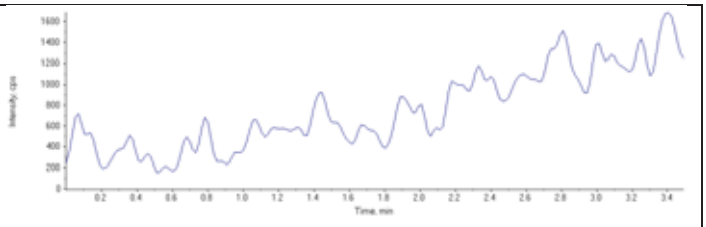
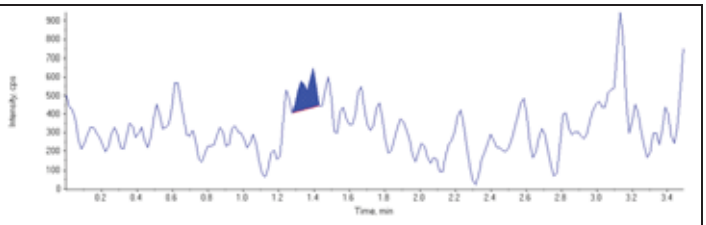
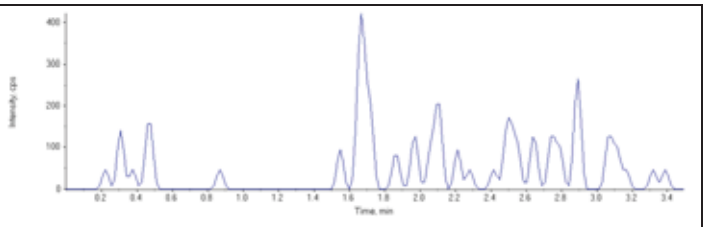
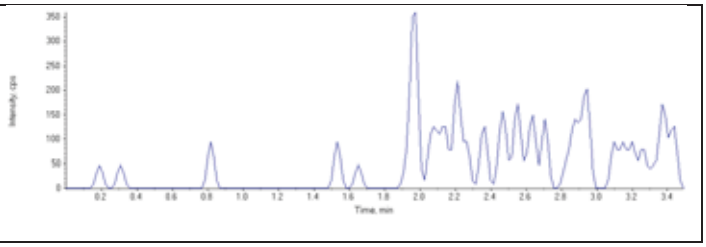


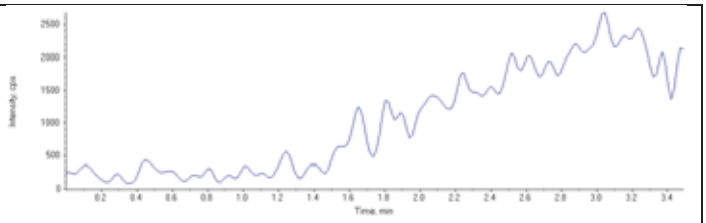
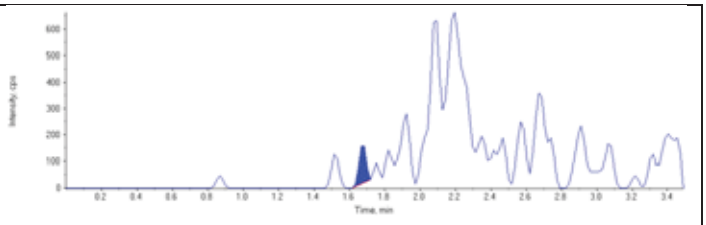
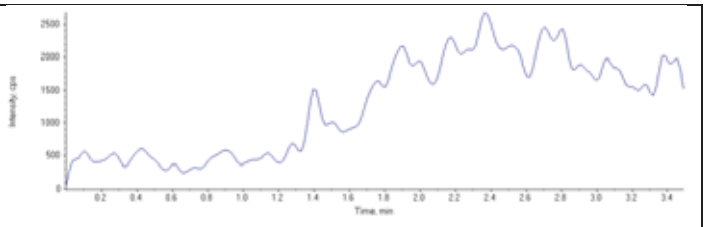
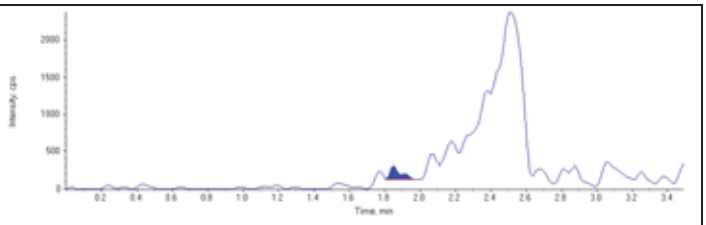
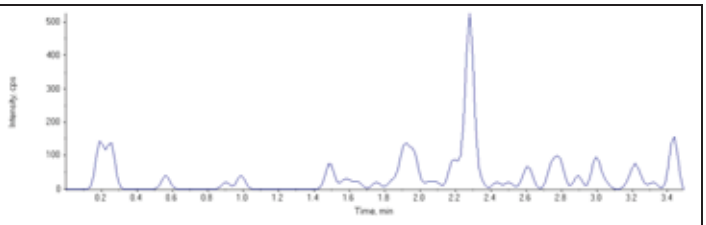
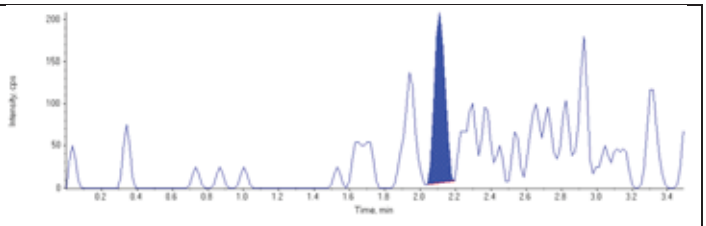
13C6-PFHxA IS (Internal Standard)

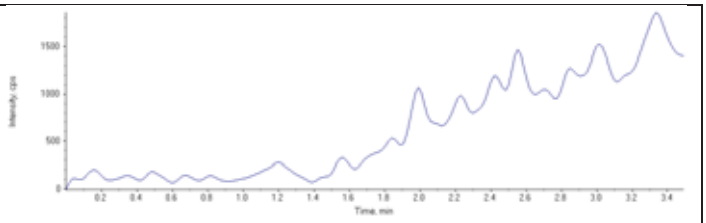
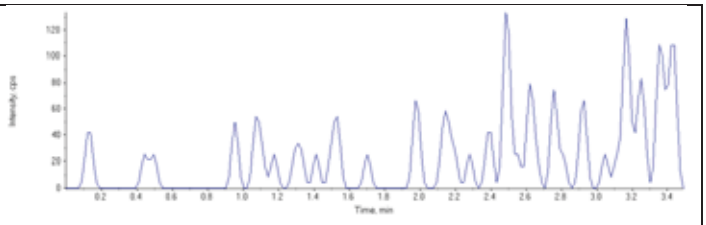
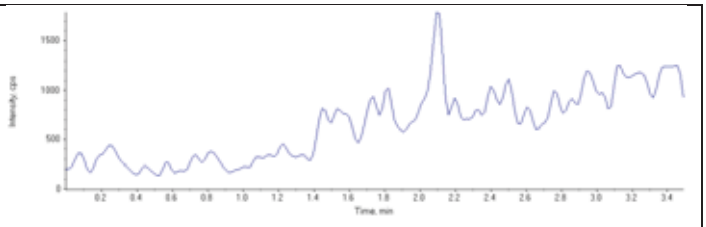
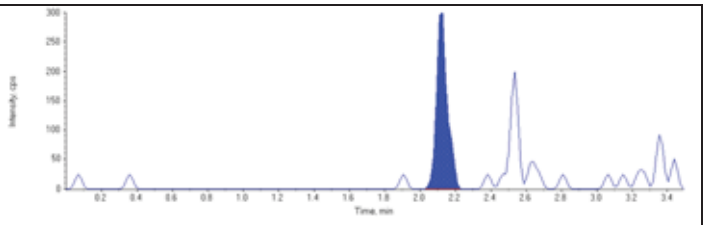
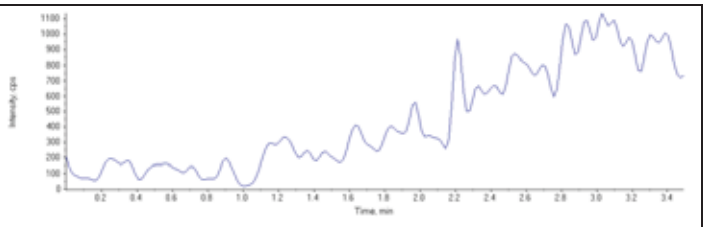
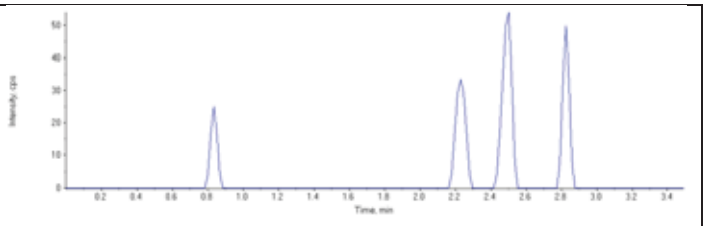
RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)

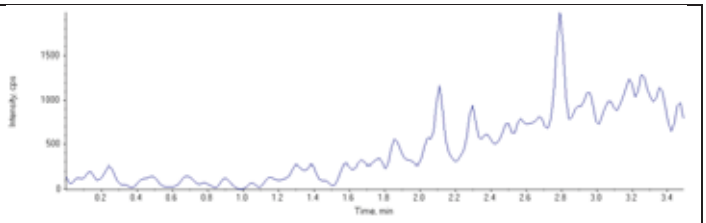
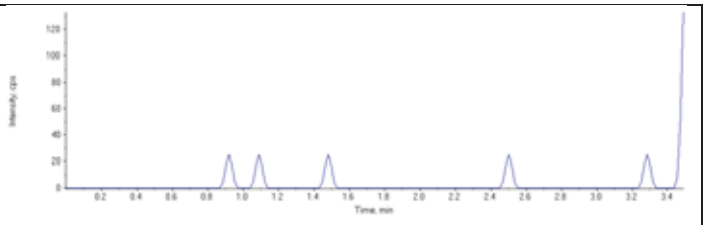
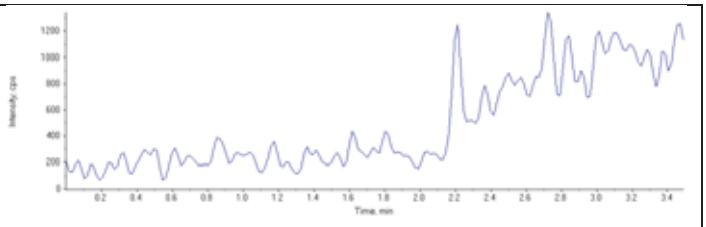
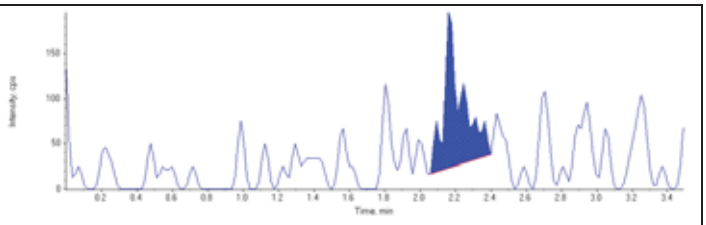
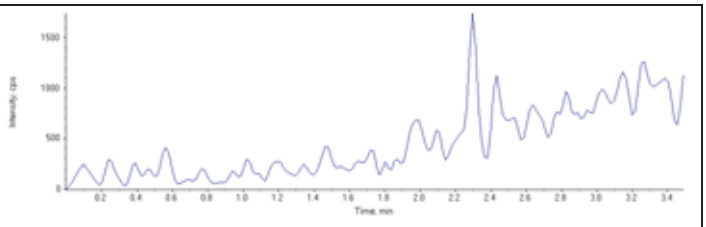
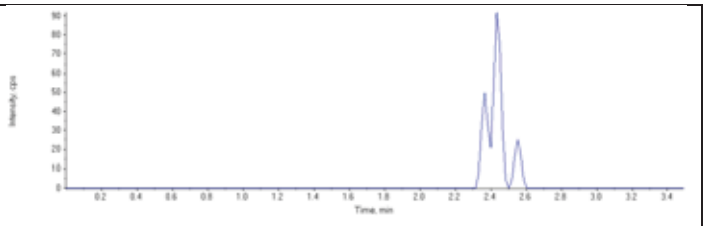


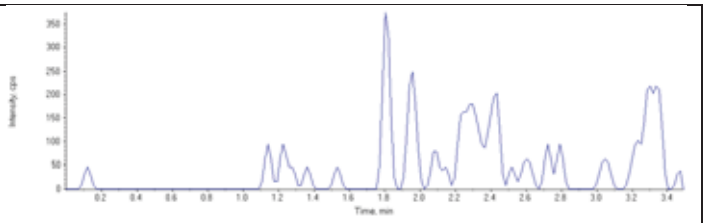
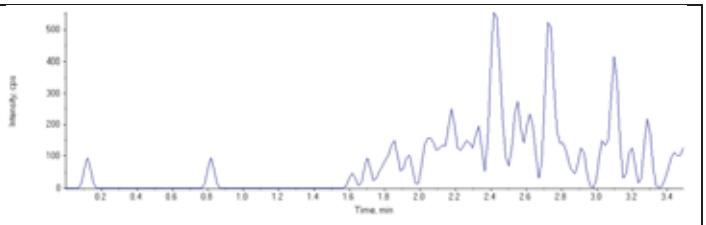
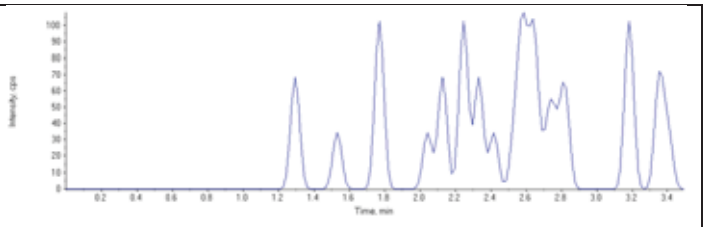
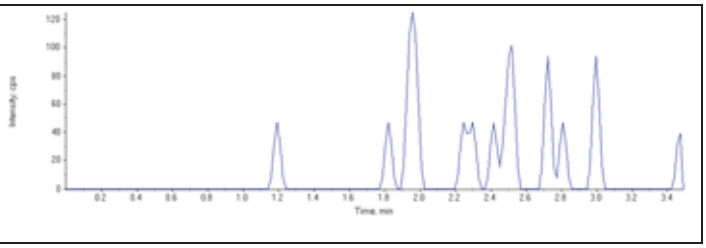
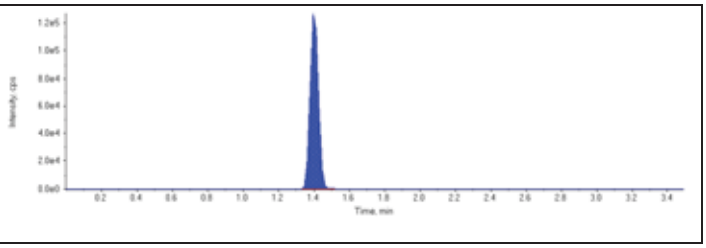
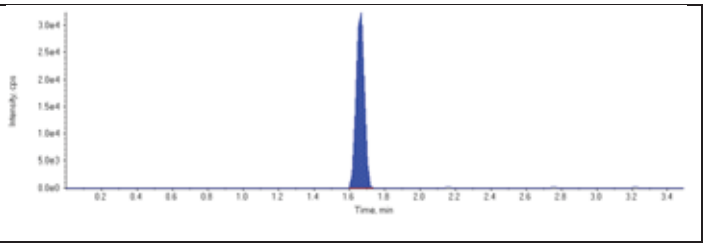
13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

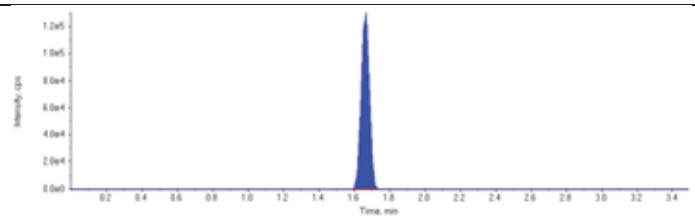
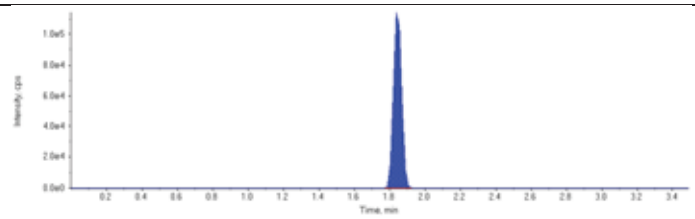
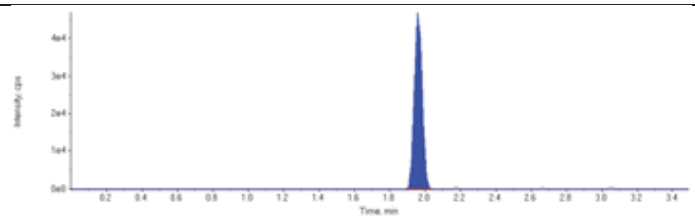
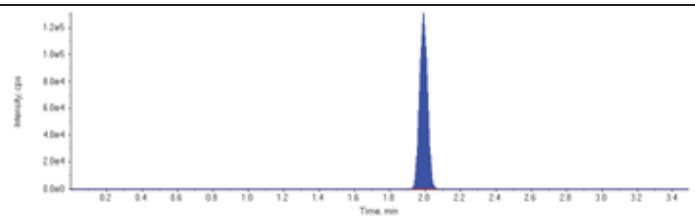
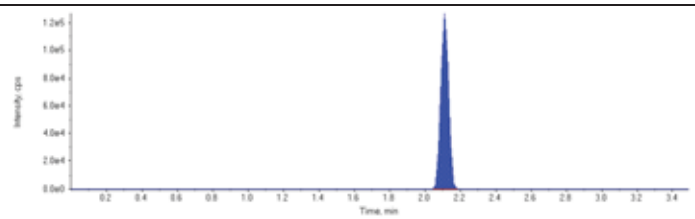
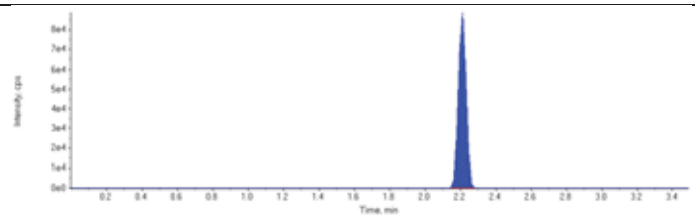
PFBS 1 (298.900/79.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFBS 2 (298.900/98.900 Da) RT (Exp. RT): 0.00 (1.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 1 (313.000/269.000 Da) RT (Exp. RT): 0.00 (1.40) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxA 2 (313.000/119.000 Da) RT (Exp. RT): 1.39 (1.41) min Calculated Conc: 0.00435 µg/L Area Ratio: 0.00250 Sample Type: (Unknown)	
PFHxS 1 (398.900/79.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHxS 2 (398.900/98.900 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

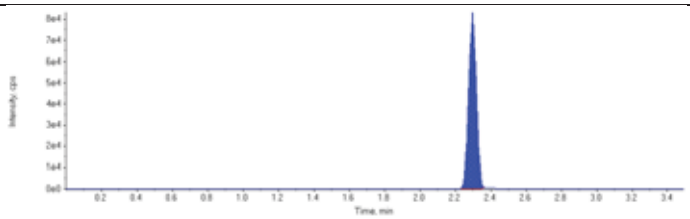
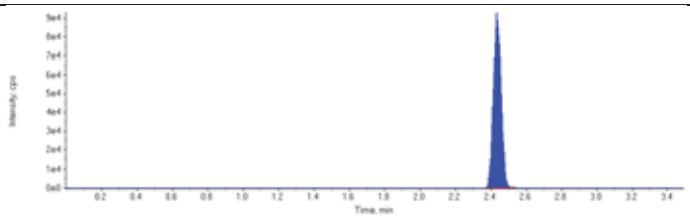
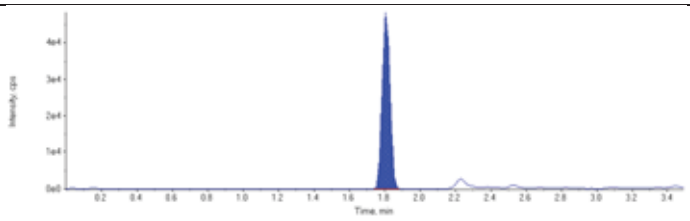
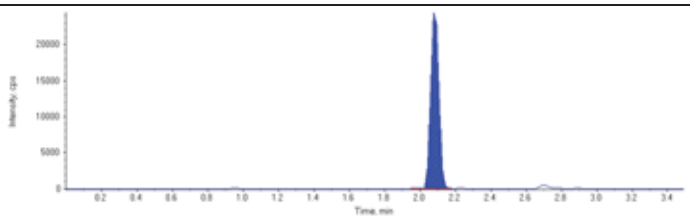
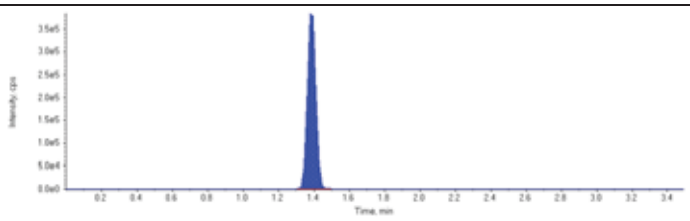
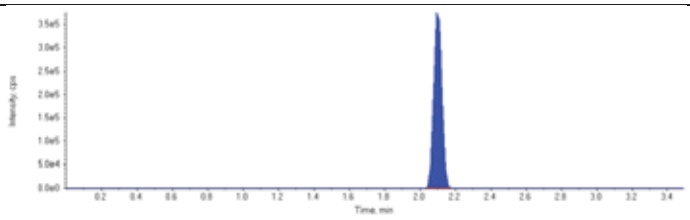
PFHpA 1 (363.000/319.000 Da) RT (Exp. RT): 0.00 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFHpA 2 (363.000/169.200 Da) RT (Exp. RT): 1.68 (1.67) min Calculated Conc: N/A µg/L Area Ratio: 0.000972 Sample Type: (Unknown)	
PFOA 1 (413.100/369.000 Da) RT (Exp. RT): 0.00 (1.85) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOA 2 (413.100/169.000 Da) RT (Exp. RT): 1.85 (1.84) min Calculated Conc: 0.00568 µg/L Area Ratio: 0.00202 Sample Type: (Unknown)	
PFOS 1 (498.900/79.900 Da) RT (Exp. RT): 0.00 (1.96) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFOS 2 (498.900/98.900 Da) RT (Exp. RT): 2.11 (1.96) min Calculated Conc: 0.00434 µg/L Area Ratio: 0.00570 Sample Type: (Unknown)	

PFNA 1 (462.900/419.000 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFNA 2 (462.900/219.100 Da) RT (Exp. RT): 0.00 (1.99) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 1 (513.000/469.100 Da) RT (Exp. RT): 0.00 (2.18) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDA 2 (513.000/218.900 Da) RT (Exp. RT): 2.12 (2.11) min Calculated Conc: 0.00324 µg/L Area Ratio: 0.00339 Sample Type: (Unknown)	
PFUnA 1 (562.900/519.000 Da) RT (Exp. RT): 0.00 (2.21) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFUnA 2 (562.900/269.200 Da) RT (Exp. RT): 0.00 (2.27) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

PFDoA 1 (612.900/569.000 Da) RT (Exp. RT): 0.00 (2.36) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFDoA 2 (612.900/319.000 Da) RT (Exp. RT): 0.00 (2.35) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 1 (663.000/619.000 Da) RT (Exp. RT): 0.00 (2.42) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTrDA 2 (663.000/318.900 Da) RT (Exp. RT): 2.17 (2.37) min Calculated Conc: 0.00285 µg/L Area Ratio: 0.00434 Sample Type: (Unknown)	
PFTeDA 1 (713.000/669.000 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
PFTeDA 2 (713.000/319.200 Da) RT (Exp. RT): 0.00 (2.49) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

6:2-FTS 1 (427.000/407.000 Da) RT (Exp. RT): 0.00 (1.90) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
6:2-FTS 2 (427.000/80.900 Da) RT (Exp. RT): 0.00 (1.80) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 1 (526.900/507.000 Da) RT (Exp. RT): 0.00 (2.16) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
8:2-FTS 2 (526.900/80.900 Da) RT (Exp. RT): 0.00 (2.09) min Calculated Conc: N/A µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C2-PFHxA (314.900/270.000 Da) RT (Exp. RT): 1.40 (1.40) min Calculated Conc: 98.4 µg/L Area Ratio: 0.316 Sample Type: (Unknown)	
18O2-PFHxS (402.900/84.000 Da) RT (Exp. RT): 1.66 (1.77) min Calculated Conc: 91.4 µg/L Area Ratio: 0.0788 Sample Type: (Unknown)	

13C4-PFHpA (366.900/322.000 Da) RT (Exp. RT): 1.66 (1.67) min Calculated Conc: 96.9 µg/L Area Ratio: 0.320 Sample Type: (Unknown)	
13C4-PFOA (416.900/372.000 Da) RT (Exp. RT): 1.84 (1.84) min Calculated Conc: 102. µg/L Area Ratio: 0.279 Sample Type: (Unknown)	
13C4-PFOS (502.900/79.900 Da) RT (Exp. RT): 1.96 (2.05) min Calculated Conc: 86.2 µg/L Area Ratio: 0.109 Sample Type: (Unknown)	
13C5-PFNA (467.900/423.000 Da) RT (Exp. RT): 1.99 (1.99) min Calculated Conc: 101. µg/L Area Ratio: 0.297 Sample Type: (Unknown)	
13C2-PFDA (514.900/470.000 Da) RT (Exp. RT): 2.11 (2.11) min Calculated Conc: 99.6 µg/L Area Ratio: 0.309 Sample Type: (Unknown)	
13C2-PFUnA (564.900/520.000 Da) RT (Exp. RT): 2.21 (2.27) min Calculated Conc: 95.9 µg/L Area Ratio: 0.221 Sample Type: (Unknown)	

13C2-PFDoA (614.900/570.000 Da) RT (Exp. RT): 2.30 (2.35) min Calculated Conc: 91.5 µg/L Area Ratio: 0.204 Sample Type: (Unknown)	
13C2-PFTeDA (714.900/669.900 Da) RT (Exp. RT): 2.44 (2.49) min Calculated Conc: 93.7 µg/L Area Ratio: 0.228 Sample Type: (Unknown)	
13C2-6:2-FTS (429.000/80.900 Da) RT (Exp. RT): 1.81 (1.80) min Calculated Conc: 93.9 µg/L Area Ratio: 0.112 Sample Type: (Unknown)	
13C2-8:2 FTS (528.900/80.900 Da) RT (Exp. RT): 2.08 (2.08) min Calculated Conc: 90.5 µg/L Area Ratio: 0.0602 Sample Type: (Unknown)	
13C6-PFHxA (318.900/274.000 Da) RT (Exp. RT): 1.39 (1.40) min Calculated Conc: 2.50 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	
13C9-PFDA (521.900/477.100 Da) RT (Exp. RT): 2.10 (2.09) min Calculated Conc: 2.48 µg/L Area Ratio: 0.00 Sample Type: (Unknown)	

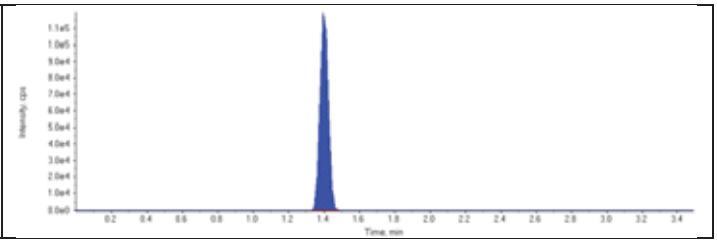
Sample ID	IB	**Injection Volume (µL)**	1
Sample Type	Unknown	**Injection Vial**	8
Acquisition Date	2017/05/23 3:10:26 PM	**Dilution Factor**	0.0240
Acquisition Method	PFC_Water_Low.dam	**Instrument Name**	LCMS03
Project	Enviro\PFOS	**Algorithm Used**	Analyst Classic
Data File	PFC_170523\WS#4988945.wiff		
Result Table	PFC_Water_170523_4988945_CTLabs.rdb		
Samples Annotation	-		

Internal Standard	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)
MPFHxA	396000.	1.40	1.00	-
MPFHxS	113000.	1.66	1.00	-
MPFHpA	428000.	1.66	1.00	-
MPFOA	345000.	1.84	1.00	-
MPFOS	153000.	1.96	1.00	-
MPFNA	383000.	1.99	1.00	-
MPFDA	377000.	2.11	1.00	-
MPFUnA	289000.	2.21	1.00	-
MPFDoA	275000.	2.30	1.00	-
MPFTeDA	288000.	2.44	1.00	-
M2 6:2 FTS	133000.	1.81	1.00	-
M2 8:2 FTS	64500.	2.09	1.00	-
13C6-PFHxA IS	1280000.	1.39	41.7	-
13C9-PFDA IS	1360000.	2.10	41.7	-
N/A	N/A	N/A	N/A	-
N/A	N/A	N/A	N/A	-

Target Analyte	Area (cps)	RT (min)	Target Conc. (ug/L)	Calc. Conc. (ug/L)	Accuracy (%)
PFBS 1	0	0.00	N/A	N/A	N/A
PFBS 2	0	0.00	N/A	N/A	N/A
PFHxA 1	0	0.00	N/A	N/A	N/A
PFHxA 2	933	1.41	N/A	0.00422	N/A
PFHxS 1	0	0.00	N/A	N/A	N/A
PFHxS 2	1400	1.62	N/A	0.00448	N/A
PFHpA 1	0	0.00	N/A	N/A	N/A
PFHpA 2	1040	1.89	N/A	0.00368	N/A
PFOA 1	0	0.00	N/A	N/A	N/A
PFOA 2	1500	1.84	N/A	0.00599	N/A
PFOS 1	0	0.00	N/A	N/A	N/A
PFOS 2	0	0.00	N/A	N/A	N/A
PFNA 1	0	0.00	N/A	N/A	N/A
PFNA 2	591	1.99	N/A	0.00191	N/A
PFDA 1	0	0.00	N/A	N/A	N/A
PFDA 2	0	0.00	N/A	N/A	N/A
PFUnA 1	0	0.00	N/A	N/A	N/A
PFUnA 2	0	0.00	N/A	N/A	N/A
PFDoA 1	0	0.00	N/A	N/A	N/A
PFDoA 2	0	0.00	N/A	N/A	N/A
PFTrDA 1	0	0.00	N/A	N/A	N/A
PFTrDA 2	412	2.27	N/A	0.00132	N/A
PFTeDA 1	0	0.00	N/A	N/A	N/A
PFTeDA 2	0	0.00	N/A	N/A	N/A
6:2-FTS 1	0	0.00	N/A	N/A	N/A
6:2-FTS 2	363	1.83	N/A	0.00319	N/A
8:2-FTS 1	0	0.00	N/A	N/A	N/A
8:2-FTS 2	383	2.08	N/A	0.00567	N/A
13C2-PFHxA	396000	1.40	N/A	96.0	N/A
18O2-PFHxS	113000	1.66	N/A	102.	N/A
13C4-PFHpA	428000	1.66	N/A	101.	N/A
13C4-PFOA	345000	1.84	N/A	97.9	N/A
13C4-PFOS	153000	1.96	N/A	94.3	N/A
13C5-PFNA	383000	1.99	N/A	102.	N/A
13C2-PFDA	377000	2.11	N/A	89.5	N/A
13C2-PFUnA	289000	2.21	N/A	92.2	N/A
13C2-PFDoA	275000	2.30	N/A	90.7	N/A
13C2-PFTeDA	288000	2.44	N/A	86.9	N/A
13C2-6:2-FTS	133000	1.81	N/A	86.7	N/A
13C2-8:2 FTS	64500	2.09	N/A	75.5	N/A
13C6-PFHxA	1280000	1.39	N/A	2.41	N/A
13C9-PFDA	1360000	2.10	N/A	2.73	N/A

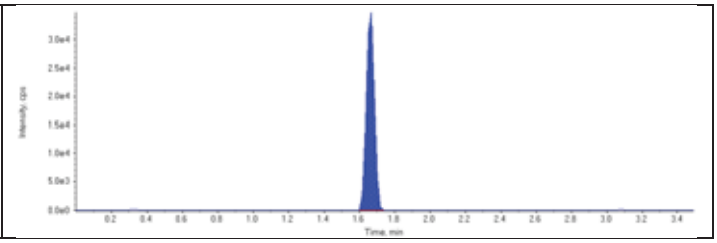
MPFHxA (Internal Standard)

RT (Exp. RT): 1.40(1.40) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



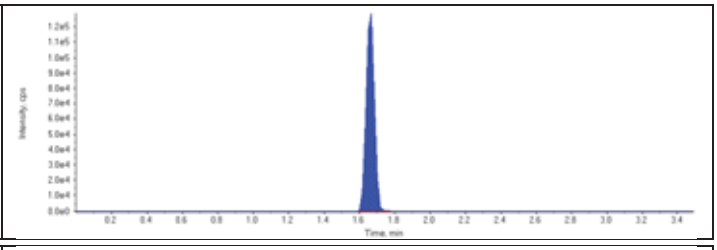
MPFHxS (Internal Standard)

RT (Exp. RT): 1.66(1.77) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



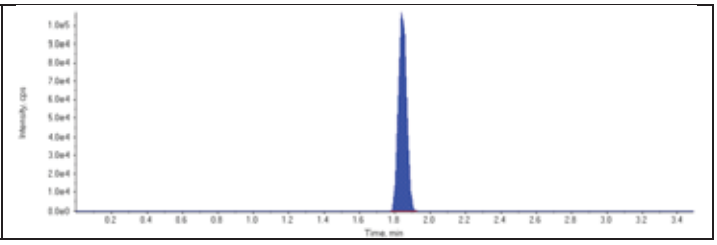
MPFHpA (Internal Standard)

RT (Exp. RT): 1.66(1.67) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



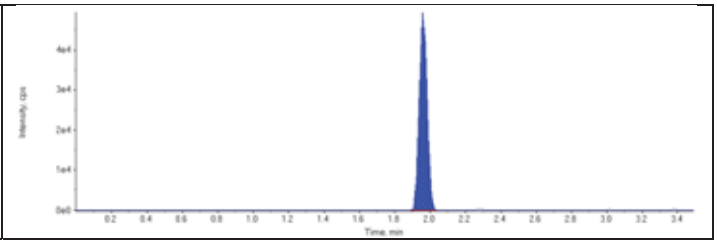
MPFOA (Internal Standard)

RT (Exp. RT): 1.84(1.84) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



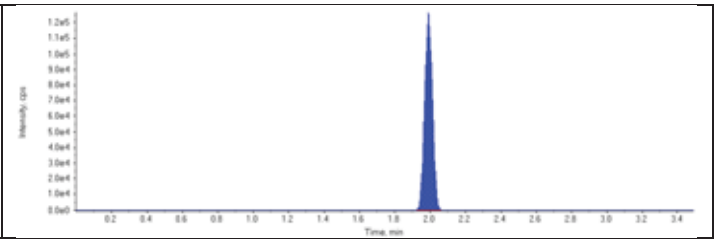
MPFOS (Internal Standard)

RT (Exp. RT): 1.96(2.05) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



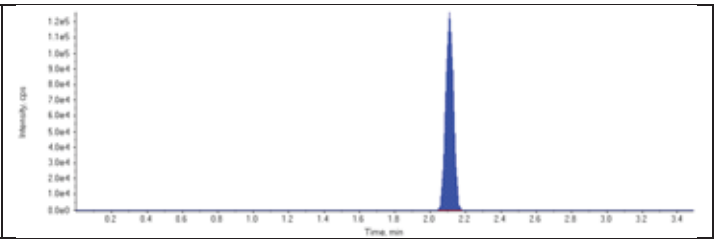
MPFNA (Internal Standard)

RT (Exp. RT): 1.99(1.99) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



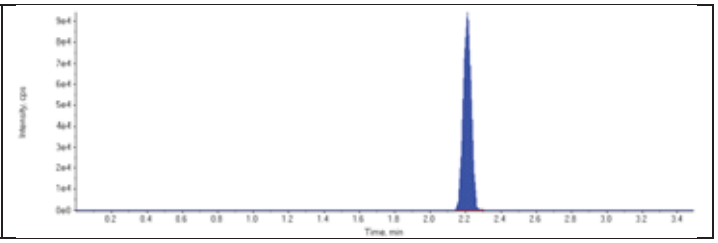
MPFDA (Internal Standard)

RT (Exp. RT): 2.11(2.18) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



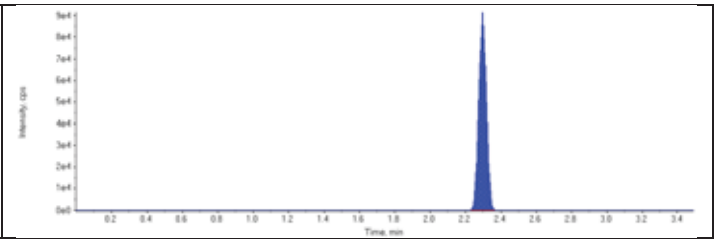
MPFUnA (Internal Standard)

RT (Exp. RT): 2.21(2.27) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



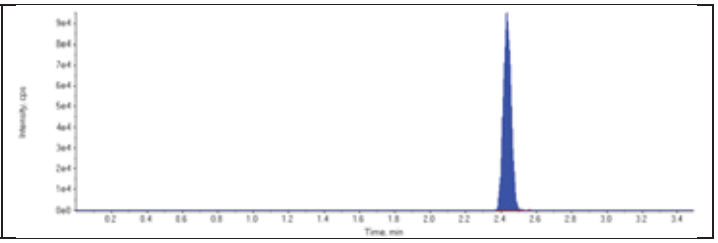
MPFDoA (Internal Standard)

RT (Exp. RT): 2.30(2.35) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



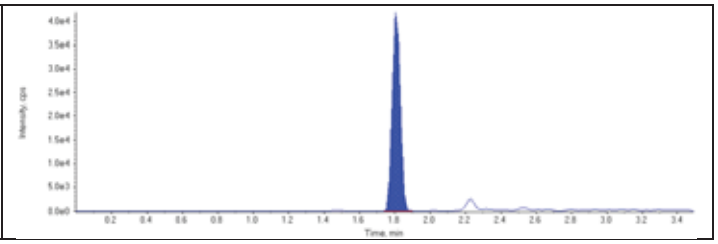
MPFTeDA (Internal Standard)

RT (Exp. RT): 2.44(2.49) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



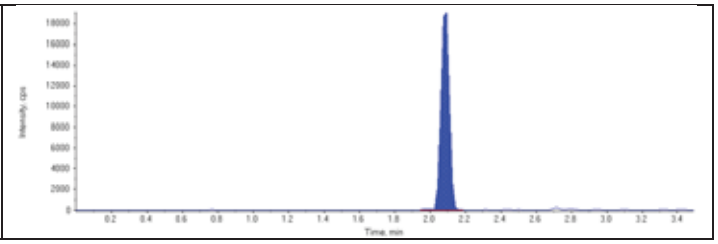
M2 6:2 FTS (Internal Standard)

RT (Exp. RT): 1.81(1.80) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



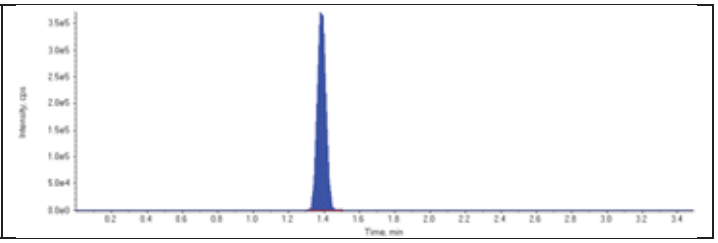
M2 8:2 FTS (Internal Standard)

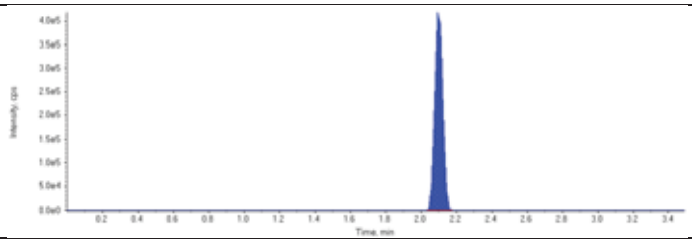
RT (Exp. RT): 2.09(2.08) min
Concentration: 1.00 ug/L
Sample Type: (Unknown)



13C6-PFHxA IS (Internal Standard)

RT (Exp. RT): 1.39(1.40) min
Concentration: 41.7 ug/L
Sample Type: (Unknown)



13C9-PFDA IS (Internal Standard) RT (Exp. RT): 2.10(2.09) min Concentration: 41.7 ug/L Sample Type: (Unknown)	
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available
N/A (Internal Standard) RT (Exp. RT): N/A(N/A) min Concentration: N/A N/A Sample Type: (Unknown)	This image is not available

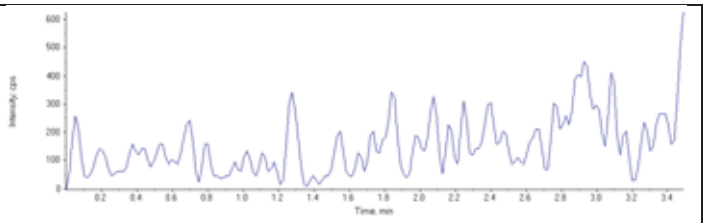
PFBS 1 (298.900/79.900 Da)

RT (Exp. RT): 0.00 (1.09) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



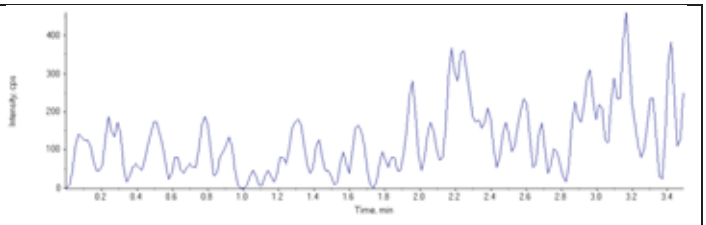
PFBS 2 (298.900/98.900 Da)

RT (Exp. RT): 0.00 (1.09) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



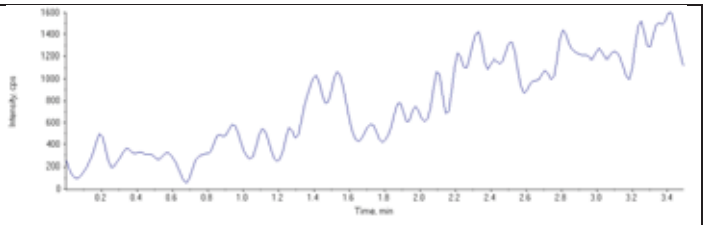
PFHxA 1 (313.000/269.000 Da)

RT (Exp. RT): 0.00 (1.40) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



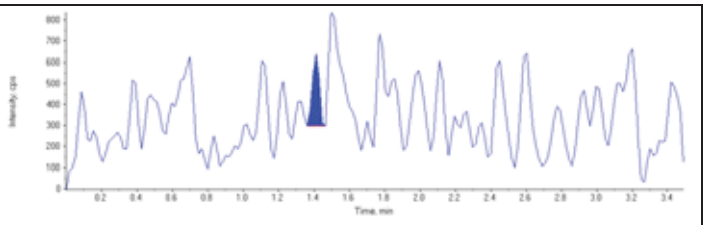
PFHxA 2 (313.000/119.000 Da)

RT (Exp. RT): 1.41 (1.41) min

Calculated Conc: 0.00422 µg/L

Area Ratio: 0.00236

Sample Type: (Unknown)



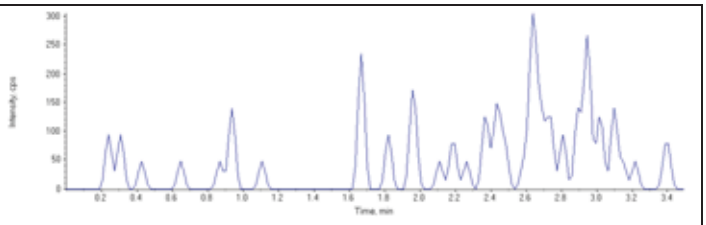
PFHxS 1 (398.900/79.900 Da)

RT (Exp. RT): 0.00 (1.67) min

Calculated Conc: N/A µg/L

Area Ratio: 0.00

Sample Type: (Unknown)



PFHxS 2 (398.900/98.900 Da)

RT (Exp. RT): 1.62 (1.67) min

Calculated Conc: 0.00448 µg/L

Area Ratio: 0.0125

Sample Type: (Unknown)

