November 15, 2016

Vista Work Order No. 1601359

Mr. Kevin Olness
AMEC Foster Wheeler
9210 Sky Park Court Suite 200
San Diego, CA 92123

Dear Mr. Olness,

Enclosed are the additional results for the sample set received at Vista Analytical Laboratory on October 26, 2016. This sample set was analyzed on a rush turn-around time, under your Project Name 'Alameda Basewide / 5023146096'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Karen Lopez for

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1601359
Case Narrative

Sample Condition on Receipt:

Twelve aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. As requested, all "EB" and "FB" samples were extracted and placed on hold.

Per client's request on 11/14/2016, sample "FB-MW08-07_161025" was removed from hold and the results are included within this report.

Analytical Notes:

Modified EPA Method 537

The sample was extracted and analyzed for a selected list of 3 PFAS using Modified EPA Method 537.

Holding Times

The sample was extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the method acceptance criteria

The labeled standard recoveries for all QC and field samples were within the QAPP acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID		Sampled	Received	Components/Containers
1601359-01	5-3MW1S_161025		25-Oct-16 09:26	26-Oct-16 09:05	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1601359-02	5-3MW7S_161025		25-Oct-16 08:30	26-Oct-16 09:05	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1601359-03	DUP05_161024		24-Oct-16 14:08	26-Oct-16 09:05	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1601359-04	EB-5-3MW1S_161025	Extract and hold	25-Oct-16 09:35	26-Oct-16 09:05	HDPE Bottle, 125 mL
		Extract and hold			HDPE Bottle, 125 mL
1601359-05	EB-5-3MW7S_161025	Extract and hold	25-Oct-16 08:45	26-Oct-16 09:05	HDPE Bottle, 125 mL
		Extract and hold			HDPE Bottle, 125 mL
1601359-06	EB-M05-20_161024	Extract and hold	24-Oct-16 13:25	26-Oct-16 09:05	HDPE Bottle, 125 mL
		Extract and hold			HDPE Bottle, 125 mL
1601359-07	FB-5-3MW1S_161025	Extract and hold	25-Oct-16 09:30	26-Oct-16 09:05	HDPE Bottle, 125 mL
		Extract and hold			HDPE Bottle, 125 mL
1601359-08	FB-5-3MW7S_161025	Extract and hold	25-Oct-16 08:40	26-Oct-16 09:05	HDPE Bottle, 125 mL
		Extract and hold			HDPE Bottle, 125 mL
1601359-09	FB-M05-20_161024	Extract and hold	24-Oct-16 13:30	26-Oct-16 09:05	HDPE Bottle, 125 mL
		Extract and hold			HDPE Bottle, 125 mL
1601359-10	FB-M08-07_161025	Extract and hold	25-Oct-16 10:25	26-Oct-16 09:05	HDPE Bottle, 125 mL
		Extract and hold			HDPE Bottle, 125 mL
1601359-11	M05-20_161024		24-Oct-16 14:03	26-Oct-16 09:05	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1601359-12	M08-07_161025		25-Oct-16 10:23	26-Oct-16 09:05	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL

Vista Project: 1601359

Client Project: Alameda Basewide / 5023146096

ANALYTICAL RESULTS

Sample ID: Method Blank — Modified EPA Method 537

Matrix:	Aqueous	QC Batch:	B6K0031	Lab Sample:	B6K0031-BLK1
Sample Size:	0.125 L	Date Extracted:	04-Nov-2016 9:32	Date Analyzed:	06-Nov-16 22:18 Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers
PFBS	ND	1.79	4.00	8.00	
PFOA	1.08	0.651	2.00	8.00	J
PFOS	ND	0.807	0.900	8.00	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C3-PFBS	82.6	60 - 150	
IS	13C2-PFOA	95.0	60 - 150	
IS	13C8-PFOS	97.8	60 - 150	

DL - Detection limit

RL - Reporting limit

LCL-UCL - Lower control limit - upper control limit

Results reported to DL.

When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers.

Only the linear isomer is reported for all other analytes.

Sample ID: OPR

Modified EPA Method 537

Matrix:	Aqueous	QC Batch:	B6K0031	Lab Sample:	B6K0031-BS1
Sample Size:	0.125 L	Date Extracted:	04-Nov-2016 9:32	Date Analyzed:	06-Nov-16 21:52 Column: BEH C18

Analyte	Amt Found (ng/L)	Spike Amt	%R	Limits		Labeled Standard	%R	LCL-UCL
PFBS	74.9	80.0	93.6	60 - 130	IS	13C3-PFBS	90.8	60 - 150
PFOA	84.0	80.0	105	70 - 130	IS	13C2-PFOA	88.2	60 - 150
PFOS	74.9	80.0	93.6	70 - 130	IS	13C8-PFOS	93.3	60 - 150

LCL-UCL - Lower control limit - upper control limit

Sample ID: FB-M08-07_161025 — Modified EPA Method 537

Client Data		Sample Data		Laboratory Data			
Name:	AMEC Foster Wheeler	Matrix:	QC Water	Lab Sample:	1601359-10	Date Received:	26-Oct-2016 9:05
Project:	Alameda Basewide / 5023146096	Sample Size:	0.130 L	QC Batch:	B6K0031	Date Extracted:	04-Nov-2016 9:32
Date Collected:	25-Oct-2016 10:25			Date Analyzed:	12-Nov-16 03:03	Column:	BEH C18
Location:							

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers
PFBS	ND	1.73	3.85	7.71	
PFOA	ND	0.627	1.92	7.71	
PFOS	ND	0.778	0.865	7.71	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C3-PFBS	100	60 - 150	
IS	13C2-PFOA	81.2	60 - 150	
IS	13C8-PFOS	90.7	60 - 150	

DL - Detection limit

RL - Reporting limit

LCL-UCL - Lower control limit - upper control limit

Results reported to DL.

When reported, PFBS, PFHxS, PFOA and PFOS include both linear and branched isomers.

Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	**This compound was also detected in the method blank.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Reporting Limit/LOQ.**
*****	**See Cover Letter**
Conc.	**Concentration**
NA	**Not applicable**
ND	**Not Detected**
TEQ	**Toxic Equivalency**

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

1601359 0.9°C

CHAIN OF CUSTODY

MMEC Group
9177 Sky Park Court
San Diego, CA
(858) 278-3600

SHIP TO:
Vista Analytical
1104 Windfield Way
El Dorado Hills, CA 95762
Atten: Karen Lopez
Lab Phone# 916-673-1520

DATE: 10/25/2016
COC #: COC161025
PAGE: 1 OF 2

Project Name:	Alameda Basewide	Project Contact:	Marina Mitchell	Bill To:	KMEA	Disposal Instructions:	LAB
Project Number:	5023146096	Phone Number:	(503) 639-3400		2423 Hoover Ave	Shipment Method:	FEDEX
Project Manager:	Kevin Olness	Project Phase:	.03.****		National City, CA 91950	Waybill Number:	N/A

Sample Information / Methods for Analysis / RUSH

No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	PFOS, PFOA, and PFBS	24 Hour	48 Hour	72 Hour	5 Days	TOTAL BOTTLES	HOLD All Analyses
1	5-3MW1S_161025	10/25/16 09:26	WG	N	N	X						
2	5-3MW7S_161025	10/25/16 08:30	WG	N	N	X						
3	DUP05_161024	10/24/16 14:08	WG	FD	N	X						
4	EB-5-3MW1S_161025	10/25/16 09:35	WQ	EB	N	X						X
5	EB-5-3MW7S_161025	10/25/16 08:45	WQ	EB	N	X						X
6	EB-M05-20_161024	10/24/16 13:25	WQ	EB	N	X						X
7	FB-5-3MW1S_161025	10/25/16 09:30	WQ	FB	N	X						X
8	FB-5-3MW7S_161025	10/25/16 08:40	WQ	FB	N	X						X
9	FB-M05-20_161024	10/24/16 13:30	WQ	FB	N	X						X
10	FB-M08-07_161025	10/25/16 10:25	WQ	FB	N	X						X
11	M05-20_161024	10/24/16 14:03	WG	N	N	X						
12	M08-07_161025	10/25/16 10:23	WG	N	N	X						

Sampler's Signature:	Date: 10/25/16	Time: 16:45
Relinquished By/Affiliation: Ly Ruiz	Date: 10/25/16	Time: 18:40
Received By: FedEx	Date:	Time:
Relinquished By/Affiliation: FedEx	Date: 10/26/16	Time: 0905
Received By: Bob Burnett	Date: 10/26/16	Time: 0924
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

EB-... , FB-... Samples - extract Only

NUMBER OF COOLERS SENT:

SAMPLE LOG-IN CHECKLIST

Vista Analytical Laboratory

Vista Project #: 1601359 **TAT** Std

Samples Arrival:	**Date/Time** 10/26/16 0905	**Initials:** [illegible]	**Location:** WR-2 **Shelf/Rack:** NA
Logged In:	**Date/Time** 10/27/16 0729	**Initials:** JBB	**Location:** WR-2 **Shelf/Rack:** F6

Delivered By:	FedEx	UPS	On Trac	DHL	Hand Delivered	Other
Preservation:	Ice	Blue Ice	Dry Ice	None		

Temp °C: 1.2	(uncorrected)	**Time:** 0923	**Thermometer ID:** IR-1
Temp °C: 0.9	(corrected)	**Probe used:** Yes☐ No☑	

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill — Trk # 784458050470	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Preservation Documented:	$Na_2S_2O_3$	Trizma	Yes	No	NA
Shipping Container	Vista	Client	Retain	Return	Dispose

Comments:

BLA 09/06/2016

EXTRACTION INFORMATION

Process Sheet

Workorder: 1601359

Prep Expiration: 11/07/2016

Client: AMEC Foster Wheeler

Workorder Due: 09-Nov-16 00:00

TAT: 14

Method: **537 PFAS**

Matrix: **Aqueous**

Prep Batch: BGK0031

Prep Data Entered: 11/5/16 JS
Date and Initials

Version: Version1-PFOA, PFOS, PFBS only

Initial Sequence:

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1601359-01 "A"	☒	5-3MW1S_161025	26-Oct-16 09:05	WR-2 F-6	A B
1601359-02	☒	5-3MW7S_161025	26-Oct-16 09:05	WR-2 F-6	A
1601359-03	☒	DUP05_161024	26-Oct-16 09:05	WR-2 F-6	A
1601359-04	☒	EB-5-3MW1S_161025	26-Oct-16 09:05	WR-2 F-6	**Extract and hold**
1601359-05	☒	EB-5-3MW7S_161025	26-Oct-16 09:05	WR-2 F-6	**Extract and hold**
1601359-06	☒	EB-M05-20_161024	26-Oct-16 09:05	WR-2 F-6	**Extract and hold**
1601359-07	☒	FB-5-3MW1S_161025	26-Oct-16 09:05	WR-2 F-6	**Extract and hold**
1601359-08	☒	FB-5-3MW7S_161025	26-Oct-16 09:05	WR-2 F-6	**Extract and hold**
1601359-09	☒	FB-M05-20_161024	26-Oct-16 09:05	WR-2 F-6	**Extract and hold**
1601359-10	☒	FB-M08-07_161025	26-Oct-16 09:05	WR-2 F-6	**Extract and hold**
1601359-11	☒	M05-20_161024	26-Oct-16 09:05	WR-2 F-6	A B
1601359-12	☒	M08-07_161025	26-Oct-16 09:05	WR-2 F-6	B

(A) Sample light brown in color. ES 11/4/16
(B) Sample contains particulate. ES 11/4/16

WO Comments: **DoD** → Only if client requests

Extract all of the Equipment Blanks, but only analyze the extract if the associated sample exceeds EPA PHAs (70 ng/L) for PFOA, PFOS, PFOA + PFOS and 380 ug/L for PFBS.

Vista PM: Martha Maier

Vial Box ID: Tiny Hardz (BLK/OPR 1-3, 11, 12)

Sample Reconciled By: ES 11/4/16

Page 1 of 1

Percent Solids

Vista Analytical Laboratory

Project: BGK0031 **Balance ID:** HRMS-8

Sample ID	Chemist: NA Date: ✓ Time:	Chemist: NA Date: ✓ Time:	Chemist/Date ES 11/4/16		
	Boat Wt.	Sample + Boat Wt.	Residue + Boat Wt.	pH before	pH* after	Cl
1601359-1 A (A)	NA	NA	NA	7	2	0
-2				7	2	0
-3				7	2	0
-4 (B)				6	2	0
-5				6	2	0
-6				6	2	0
-7				6	2	0
-8				6	2	0
-9				6	2	0
-10				6	2	0
-11 (A)				6	2	0
-12				6	2	0

Procedure:

- Tare the balance.
- Record Boat Weight.
- Add 2 - 10 g of sample.
- Record Wet Wt. + Boat Wt.
- Dry in oven overnight at 107°C.
- Tare the balance.
- Record Residue + Boat Wt.

Notes:

(A) 8 drops HCl added ~~ES 11/2~~ 11/4/16

(B) 4 drops HCl added ES 11/4/16

- *Methods 8280, 613, 1613, 8290, 1614 – pH <9*
- *Methods 1668/PCN – pH 2-3*
- *NCASI 551 – pH 1*

%Solids rmh 5/2011

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537 PFAS

B6K0031

Chemist: E. Schneider

Prep Date/Time: 04-Nov-16 09:32

Prepared using: LCMS - SPE Extraction-LCMS

C	VISTA Sample ID	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE CC6K0025	RS CHEM/WIT DATE
☐	B6K0031-BLK1	N/A	N/A	(0.125)	ES JS 11/4/16	ES 11/4/16	ES JS 11/4/16
☐	B6K0031-BS1	↓	↓	↓			
☐	1601359-01 (A) (B)	155.10	26.30	0.12880			
☐	1601359-02	149.88	26.45	0.12343			
☐	1601359-03 (B)	153.19	26.38	0.12681			
☐	1601359-04	154.76	27.14	0.12762			
☐	1601359-05	155.64	27.26	0.12838			
☐	1601359-06	158.52	27.20	0.13132			
☐	1601359-07	155.11	27.74	0.12737			
☐	1601359-08	157.67	27.21	0.13046			
☐	1601359-09	159.46	27.27	0.13219			
☐	1601359-10	157.33	27.64	0.12969			
☐	1601359-11 (A) (B)	154.07	26.25	0.12782			
☐	1601359-12 (A)	153.75	26.39	0.12736			

(A) Light brown in color. Centrifuged & transferred to clean new bottle. ES 11/4/16
(B) Light brown at FV. ES 11/4/16

IS Name (V4)	NS Name (V2)	RS Name (V2)		
16I2604, 10µL	16I1160, 10µL	16I2603, 10µL	SPE Chem: Strata XAW 33µm, 200mg/6mL Ele SOLV: MeOH + 0.5% NH4OH in MeOH Final Volume(s): 1mL	Check Out: Chemist/Date: ES 11/4/16 Check In: Chemist/Date: Empty Balance ID: HRMS-8

Comments: Assume 1 g = 1 mL

SAMPLE DATA – MODIFIED EPA METHOD 537

Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-21.qld

Last Altered: Tuesday, November 08, 2016 15:29:00 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:29:32 Pacific Standard Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

ID: B6K0031-BLK1 Method Blank 0.125, Description: Method Blank, Name: 161106G1_21, Date: 06-Nov-2016, Time: 22:18:00

	#	Name	Trace	Peak Area	IS Resp	RRF Mean	wt/vol	RT	Conc.	%Rec
1	3	PFBS	299 > 79.7		5.853e3		0.125			
2	8	PFOA	413 > 368.7	3.951e2	3.575e4		0.125	4.28	1.08	
3	9	PFOS	499 >79.9		6.018e3		0.125			
4	15	13C3-PFBS	302.0 > 98.8	5.853e3	3.397e4	0.209	0.125	2.99	82.6	82.6
5	20	13C2-PFOA	414.9 > 369.7	3.575e4	1.617e4	2.326	0.125	4.28	95.0	95.0
6	21	13C8-PFOS	507.0 > 79.9	6.018e3	6.263e3	0.982	0.125	4.69	97.8	97.8
7	22	13C5-PFNA	468.2 > 422.9	1.327e4	1.330e4	1.038	0.125	4.62	96.2	96.2
8	23	13C2-PFDA	515.1 > 469.9	1.293e4	1.494e4	1.053	0.125	4.92	82.3	82.3
9	24	13C2-8:2 FTS	529.1 > 508.7	3.524e3	4.525e3	0.635	0.125	4.89	123	123
10	25	13C4-PFBA	217 > 171.8	2.512e4	2.512e4	1.000	0.125	1.74	100	100
11	26	13C2-4:2 FTS	329.2 > 308.9	4.525e3	4.525e3	1.000	0.125	3.27	100	100
12	27	13C5-PFHxA	318.0 > 272.9	3.397e4	3.397e4	1.000	0.125	3.35	100	100
13	28	13C3-PFHxS	401.9 > 79.9	1.155e4	1.155e4	1.000	0.125	3.99	100	100
14	29	13C8-PFOA	421.3 > 376	1.617e4	1.617e4	1.000	0.125	4.28	100	100
15	30	13C4-PFOS	503.0 > 79.9	6.263e3	6.263e3	1.000	0.125	4.69	100	100
16	31	13C9-PFNA	472.2 > 426.9	1.330e4	1.330e4	1.000	0.125	4.63	100	100
17	32	13C6-PFDA	519.1 > 473.7	1.494e4	1.494e4	1.000	0.125	4.92	100	100
18	33	Total PFBS	299 > 79.7		5.882e3		0.125			
19	35	Total PFOA	413 > 368.7		3.575e4		0.125		1.08	
20	36	Total PFOS	499 > 79.9		6.018e3		0.125			

WJL 11/11/2016 AC 11/8/16

Vista Analytical Laboratory Q1

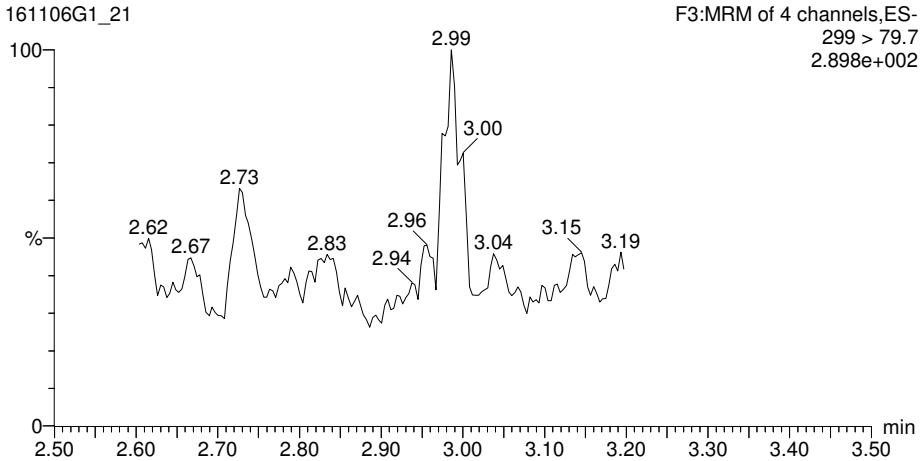
Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-21.qld

Last Altered: Tuesday, November 08, 2016 15:29:00 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:29:32 Pacific Standard Time

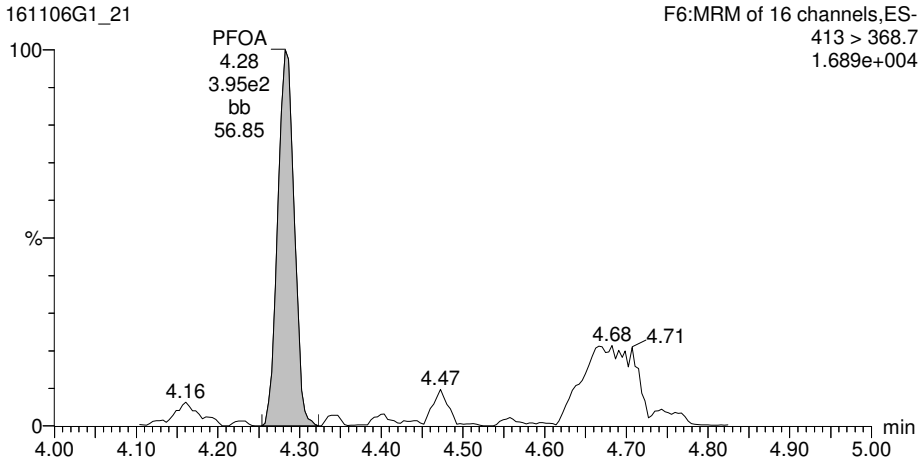
Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

ID: B6K0031-BLK1 Method Blank 0.125, Description: Method Blank, Name: 161106G1_21, Date: 06-Nov-2016, Time: 22:18:00, Instrument: , Lab: , User:

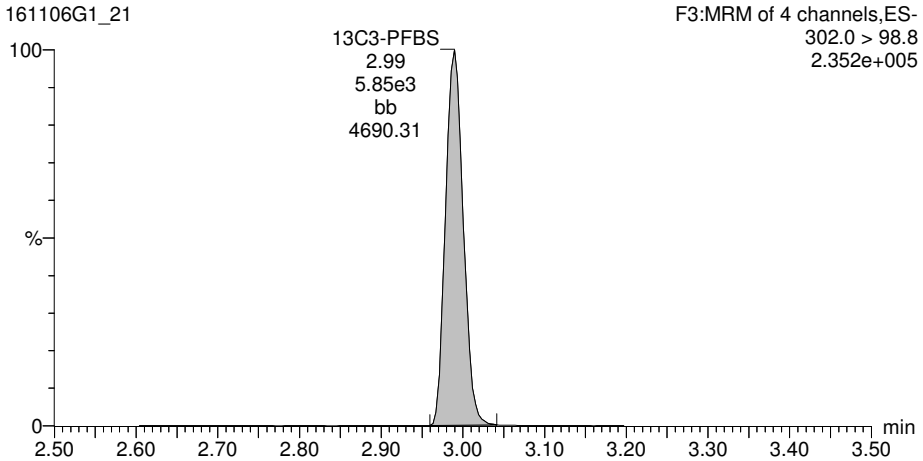
Total PFBS



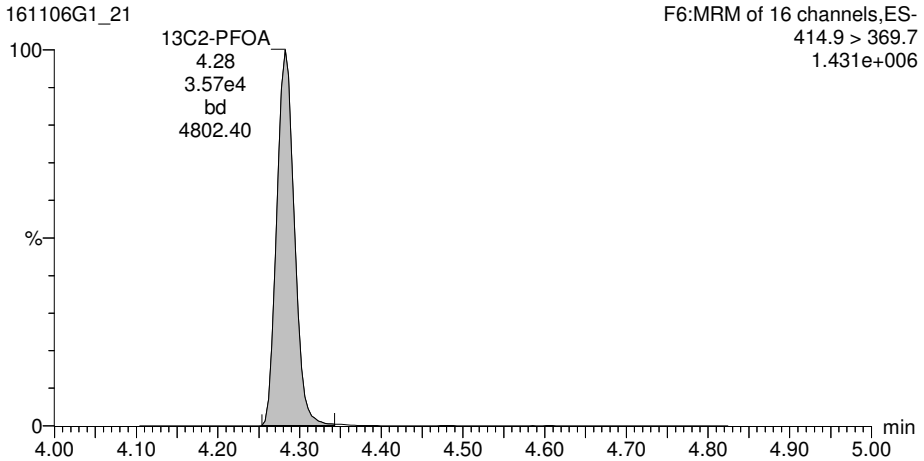
Total PFOA



13C3-PFBS



13C2-PFOA



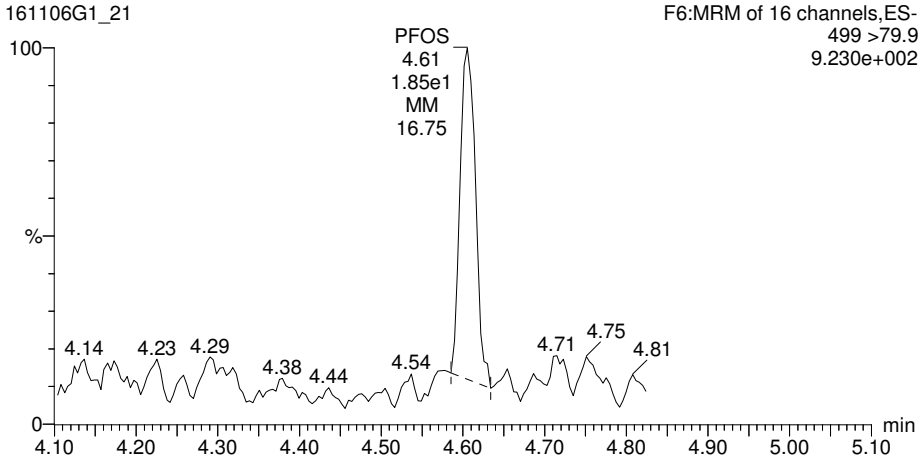
WJL 11/11/2016 AC 11/8/16

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-21.qld

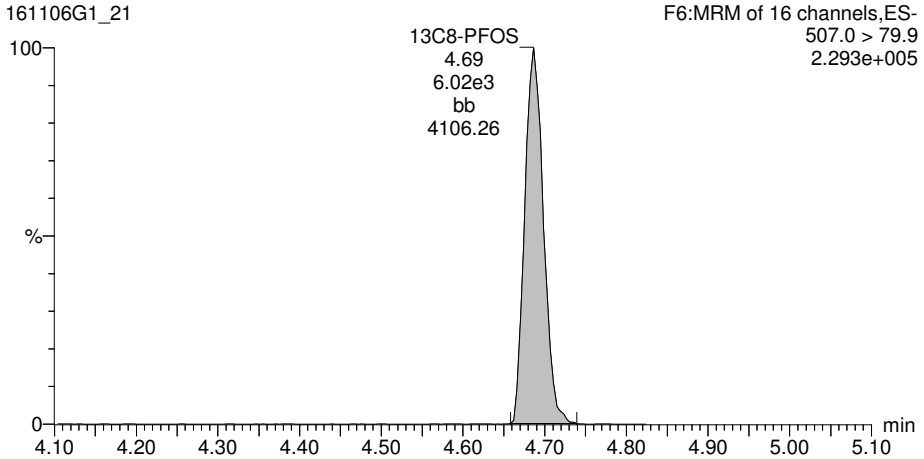
Last Altered: Tuesday, November 08, 2016 15:29:00 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:29:32 Pacific Standard Time

ID: B6K0031-BLK1 Method Blank 0.125, Description: Method Blank, Name: 161106G1_21, Date: 06-Nov-2016, Time: 22:18:00, Instrument: , Lab: , User:

Total PFOS



13C8-PFOS



WJL 11/11/2016 AC 11/8/16

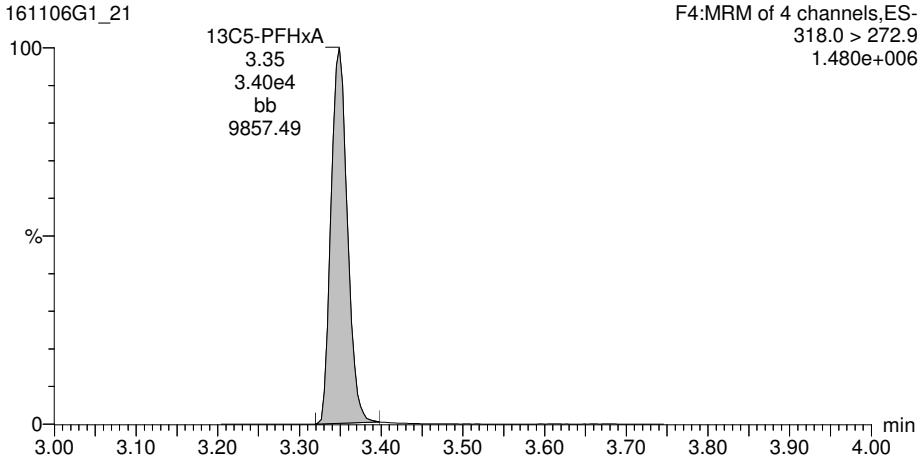
Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-21.qld

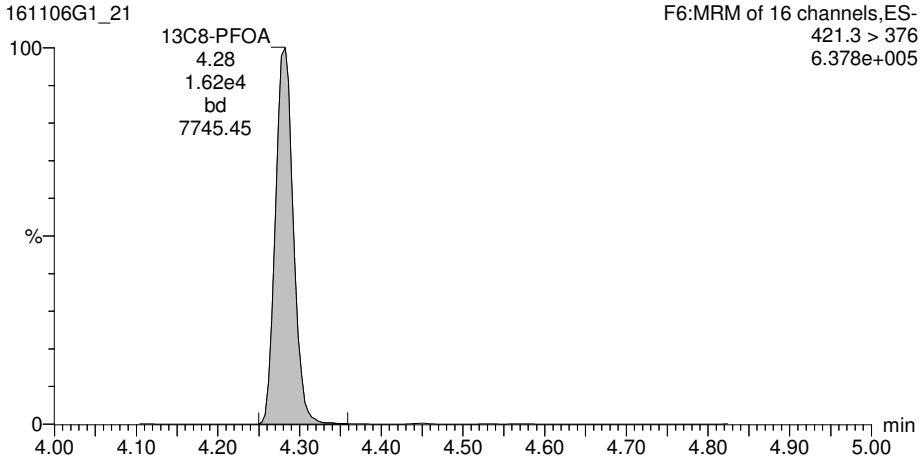
Last Altered: Tuesday, November 08, 2016 15:29:00 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:29:32 Pacific Standard Time

ID: B6K0031-BLK1 Method Blank 0.125, Description: Method Blank, Name: 161106G1_21, Date: 06-Nov-2016, Time: 22:18:00, Instrument: , Lab: , User:

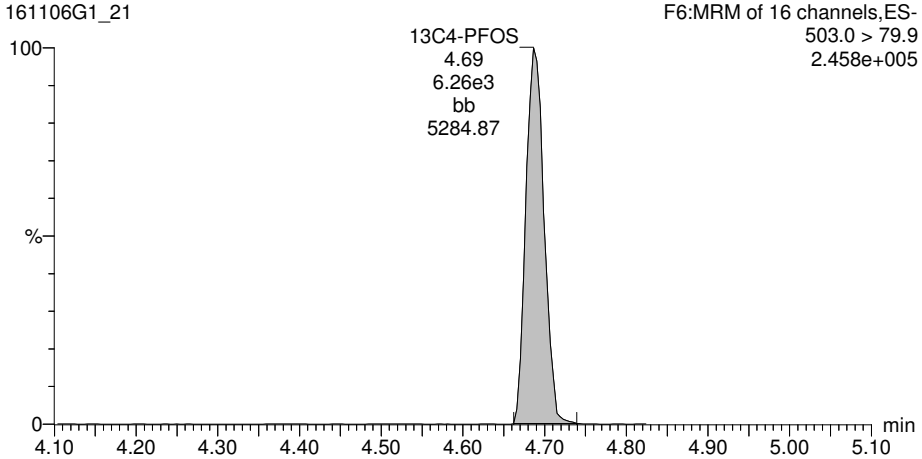
13C5-PFHxA



13C8-PFOA



13C4-PFOS



WJL 11/11/2016 AC 11/8/16

Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-19.qld

Last Altered: Tuesday, November 08, 2016 15:24:19 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:26:40 Pacific Standard Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

ID: B6K0031-BS1 OPR 0.125, Description: OPR, Name: 161106G1_19, Date: 06-Nov-2016, Time: 21:52:47

	#	Name	Trace	Peak Area	IS Resp	RRF Mean	wt/vol	RT	Conc.	%Rec
1	3	PFBS	299 > 79.7	5.802e3	5.638e3		0.125	2.99	74.9	93.6
2	8	PFOA	413 > 368.7	2.190e4	2.860e4		0.125	4.28	84.0	105
3	9	PFOS	499 >79.9	3.984e3	6.221e3		0.125	4.69	74.9	93.6
4	15	13C3-PFBS	302.0 > 98.8	5.638e3	2.979e4	0.209	0.125	2.99	90.8	90.8
5	20	13C2-PFOA	414.9 > 369.7	2.860e4	1.395e4	2.326	0.125	4.28	88.2	88.2
6	21	13C8-PFOS	507.0 > 79.9	6.221e3	6.786e3	0.982	0.125	4.69	93.3	93.3
7	22	13C5-PFNA	468.2 > 422.9	1.110e4	1.217e4	1.038	0.125	4.63	87.8	87.8
8	23	13C2-PFDA	515.1 > 469.9	1.156e4	1.509e4	1.053	0.125	4.92	72.8	72.8
9	24	13C2-8:2 FTS	529.1 > 508.7	3.541e3	4.315e3	0.635	0.125	4.89	129	129
10	25	13C4-PFBA	217 > 171.8	2.386e4	2.386e4	1.000	0.125	1.74	100	100
11	26	13C2-4:2 FTS	329.2 > 308.9	4.315e3	4.315e3	1.000	0.125	3.27	100	100
12	27	13C5-PFHxA	318.0 > 272.9	2.979e4	2.979e4	1.000	0.125	3.35	100	100
13	28	13C3-PFHxS	401.9 > 79.9	9.818e3	9.818e3	1.000	0.125	3.99	100	100
14	29	13C8-PFOA	421.3 > 376	1.395e4	1.395e4	1.000	0.125	4.28	100	100
15	30	13C4-PFOS	503.0 > 79.9	6.786e3	6.786e3	1.000	0.125	4.69	100	100
16	31	13C9-PFNA	472.2 > 426.9	1.217e4	1.217e4	1.000	0.125	4.63	100	100
17	32	13C6-PFDA	519.1 > 473.7	1.509e4	1.509e4	1.000	0.125	4.92	100	100
18	33	Total PFBS	299 > 79.7		5.442e3		0.125		74.9	
19	35	Total PFOA	413 > 368.7		2.860e4		0.125		84.0	
20	36	Total PFOS	499 > 79.9		6.221e3		0.125		75.9	

WJL 11/11/2016 AC 11/8/16

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-19.qld

Last Altered: Tuesday, November 08, 2016 15:24:19 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:26:40 Pacific Standard Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

ID: B6K0031-BS1 OPR 0.125, Description: OPR, Name: 161106G1_19, Date: 06-Nov-2016, Time: 21:52:47

Total PFBS

	#	Name	Trace	RT	Area	IS Area	Conc.
1	3	PFBS	299 > 79.7	2.99	5801.874	5637.677	74.9

Total PFHxS

	#	Name	Trace	RT	Area	IS Area	Conc.
1	6	PFHxS	398.9 > 79.6	3.99	7010.784	5441.957	87.6

Total PFOA

	#	Name	Trace	RT	Area	IS Area	Conc.
1	8	PFOA	413 > 368.7	4.28	21901.795	28602.715	84.0

Total PFOS

	#	Name	Trace	RT	Area	IS Area	Conc.
1	9	PFOS	499 >79.9	4.69	3983.602	6221.444	74.9
2	36	Total PFOS	499 >79.9	4.60	30.972	6221.444	1.0

Vista Analytical Laboratory Q1

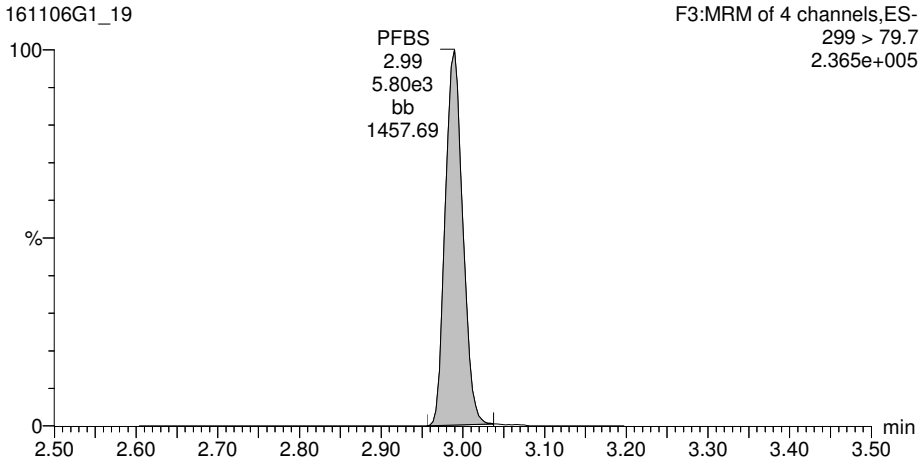
Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-19.qld

Last Altered: Tuesday, November 08, 2016 15:24:19 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:26:40 Pacific Standard Time

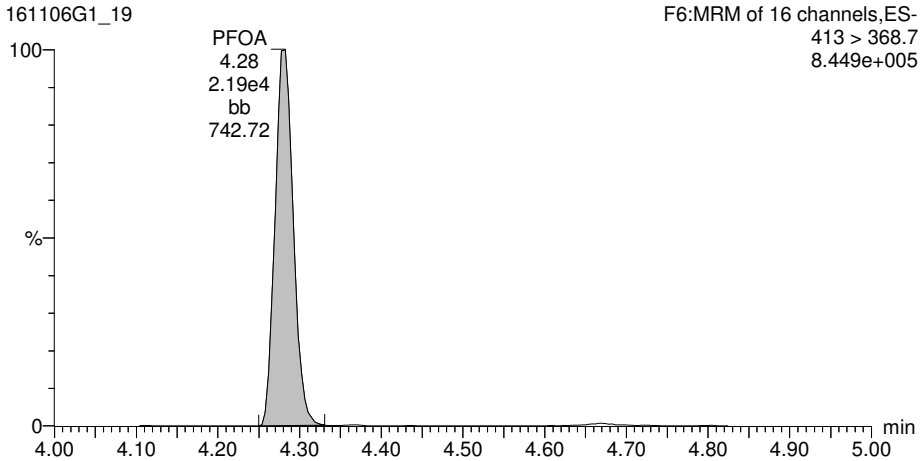
Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

ID: B6K0031-BS1 OPR 0.125, Description: OPR, Name: 161106G1_19, Date: 06-Nov-2016, Time: 21:52:47, Instrument: , Lab: , User:

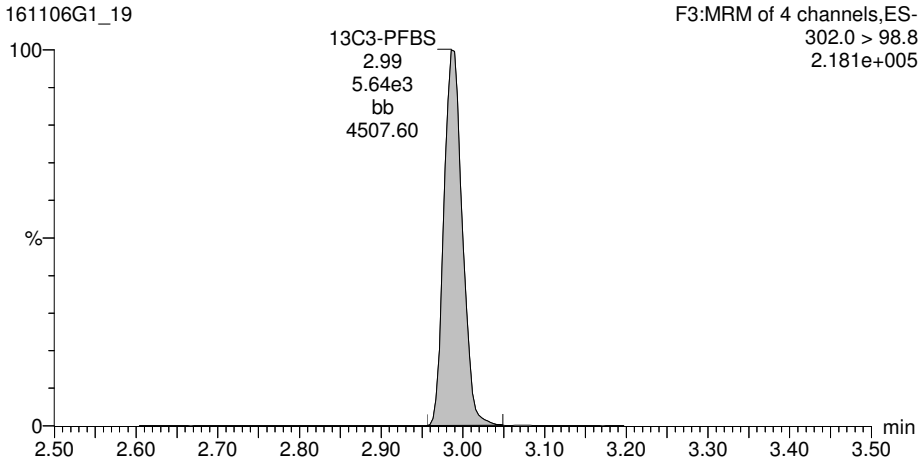
Total PFBS



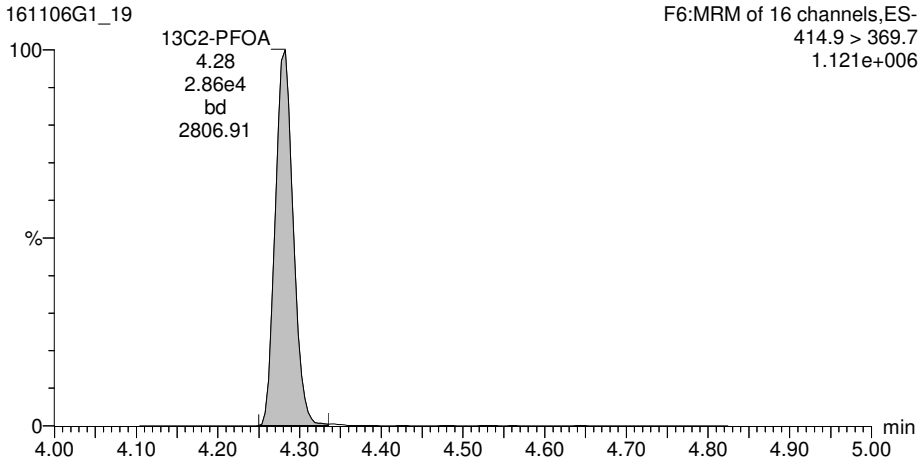
Total PFOA



13C3-PFBS



13C2-PFOA



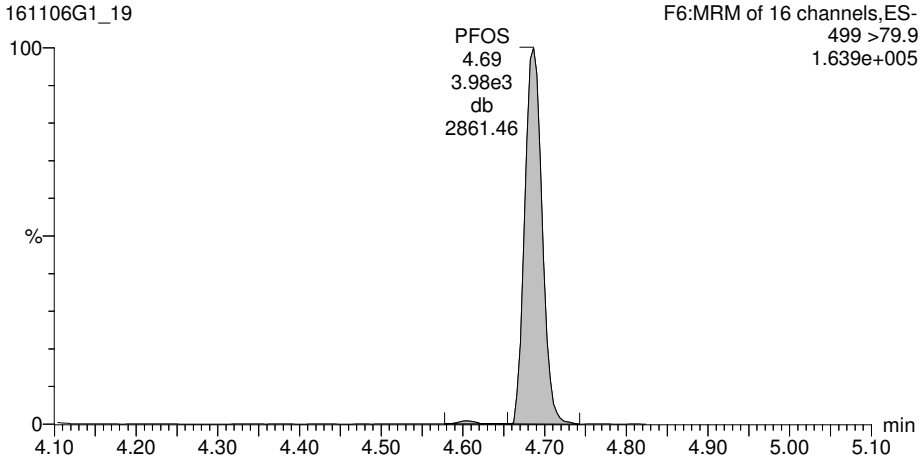
WJL 11/11/2016 AC 11/8/16

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-19.qld

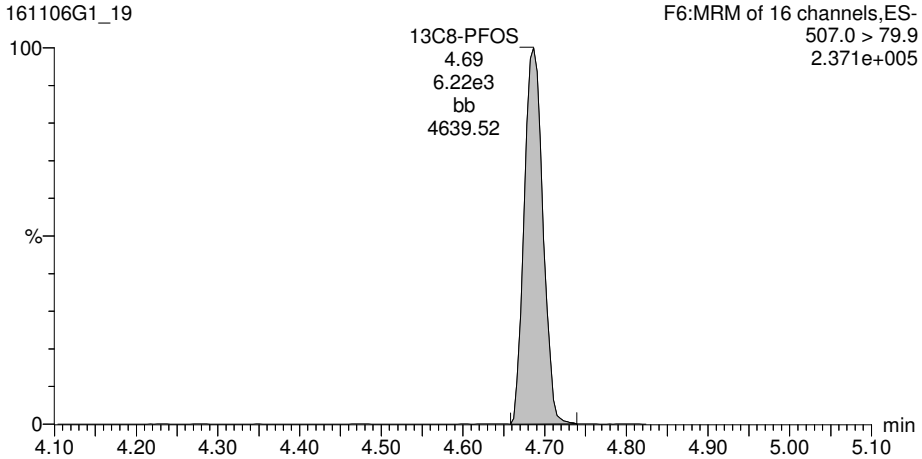
Last Altered: Tuesday, November 08, 2016 15:24:19 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:26:40 Pacific Standard Time

ID: B6K0031-BS1 OPR 0.125, Description: OPR, Name: 161106G1_19, Date: 06-Nov-2016, Time: 21:52:47, Instrument: , Lab: , User:

Total PFOS



13C8-PFOS



WJL 11/11/2016 AC 11/8/16

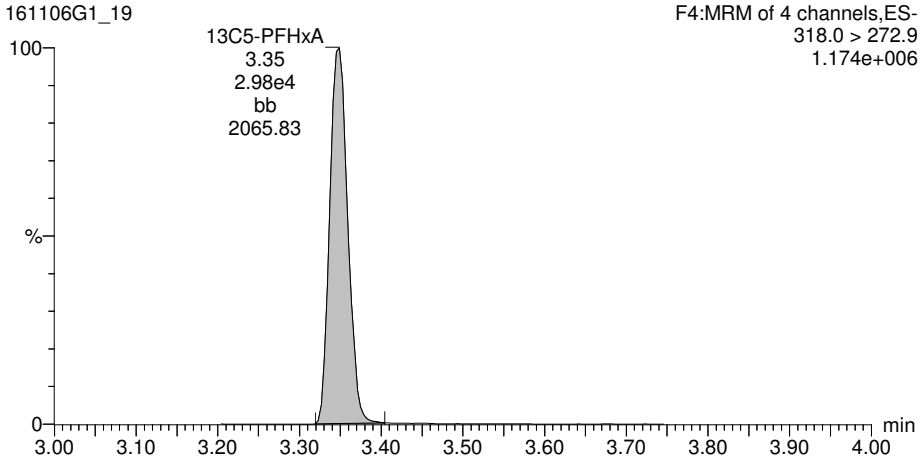
Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-19.qld

Last Altered: Tuesday, November 08, 2016 15:24:19 Pacific Standard Time
Printed: Tuesday, November 08, 2016 15:26:40 Pacific Standard Time

ID: B6K0031-BS1 OPR 0.125, Description: OPR, Name: 161106G1_19, Date: 06-Nov-2016, Time: 21:52:47, Instrument: , Lab: , User:

13C5-PFHxA



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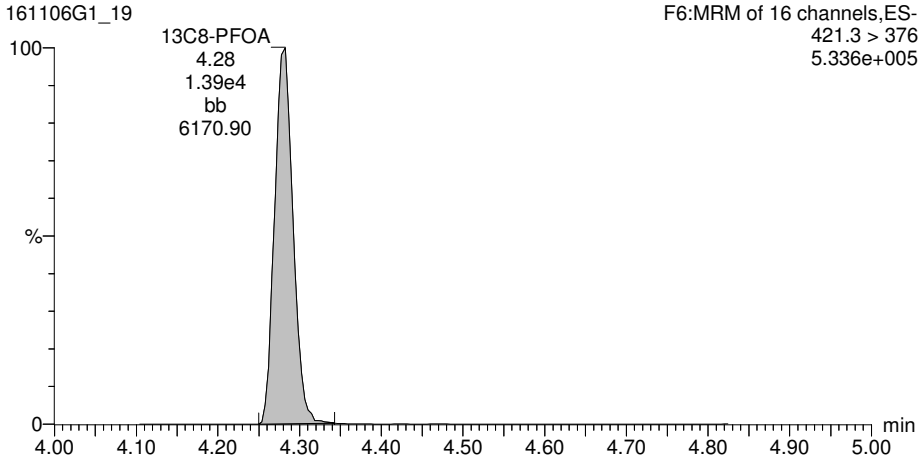
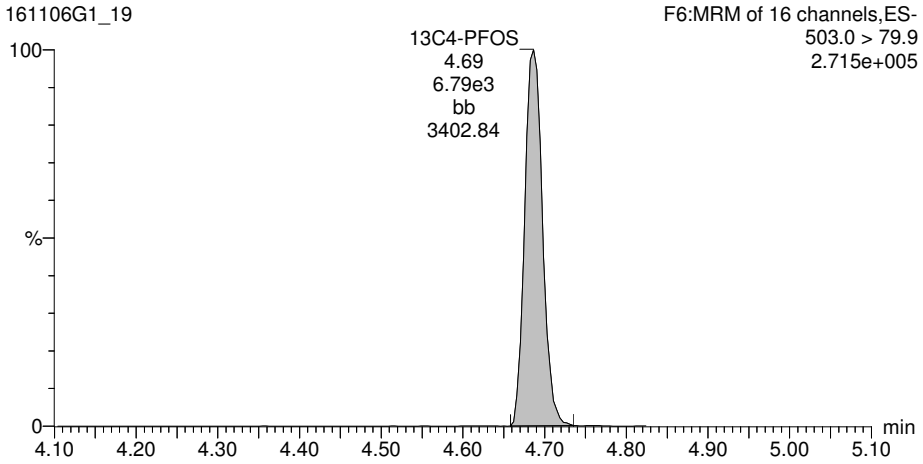


13C4-PFOS



WJL 11/11/2016 AC 11/8/16

Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161111J2\161111J2_53.qld

Last Altered: Tuesday, November 15, 2016 10:12:44 Pacific Standard Time
Printed: Tuesday, November 15, 2016 10:13:12 Pacific Standard Time

Method: U:\Q2.PRO\MethDB\PFC List 18_A No4-2FTS_Mixed.mdb 12 Nov 2016 10:51:05
Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

ID: 1601359-10, Description: FB-M08-07_161025, Name: 161111J2_53.wiff, Date: 12-Nov-2016, Time: 03:03:48

	#	Name	Trace	Peak Area	IS Resp	RRF Mean	wt/vol	RT	Conc.	%Rec
1	3	PFBS	79.90	1.647e0	6.990e3		0.130	3.47		
2	8	PFOA	368.90	7.216e1	7.636e3		0.130	4.71	0.417	
3	10	PFOS	79.92	4.311e0	3.653e3		0.130	5.10		
4	15	13C3-PFBS	79.95	6.990e3	1.311e4	0.531	0.130	3.46	96.8	100
5	20	13C2-PFOA	369.90	7.636e3	1.417e4	0.663	0.130	4.71	78.3	81.2
6	22	13C8-PFOS	79.93	3.653e3	4.373e3	0.921	0.130	5.10	87.4	90.7
7	25	13C4-PFBA	171.90	1.202e4	1.202e4	1.000	0.130	2.04	96.4	100
8	26	13C5-PFHxA	273.00	1.311e4	1.311e4	1.000	0.130	3.84	96.4	100
9	27	13C3-PFHxS	80.01	5.523e3	5.523e3	1.000	0.130	4.43	96.4	100
10	28	13C8-PFOA	375.90	1.417e4	1.417e4	1.000	0.130	4.71	96.4	100
11	29	13C4-PFOS	79.94	4.373e3	4.373e3	1.000	0.130	5.10	96.4	100
12	30	13C9-PFNA	427.00	9.069e3	9.069e3	1.000	0.130	5.04	96.4	100
13	31	13C6-PFDA	474.00	6.421e3	6.421e3	1.000	0.130	5.32	96.4	100
14	32	Total PFBS	79.90		6.990e3		0.130			
15	33	Total PFHxS	79.91		1.348e3		0.130		0.311	
16	34	Total PFOA	368.90		7.636e3		0.130		0.417	
17	35	Total PFOS	79.92		3.653e3		0.130			

Rev'd: MM 11/15/16 pw 11/15/16

Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161111J2\161111J2_53.qld

Last Altered: Tuesday, November 15, 2016 10:12:44 Pacific Standard Time
Printed: Tuesday, November 15, 2016 10:13:12 Pacific Standard Time

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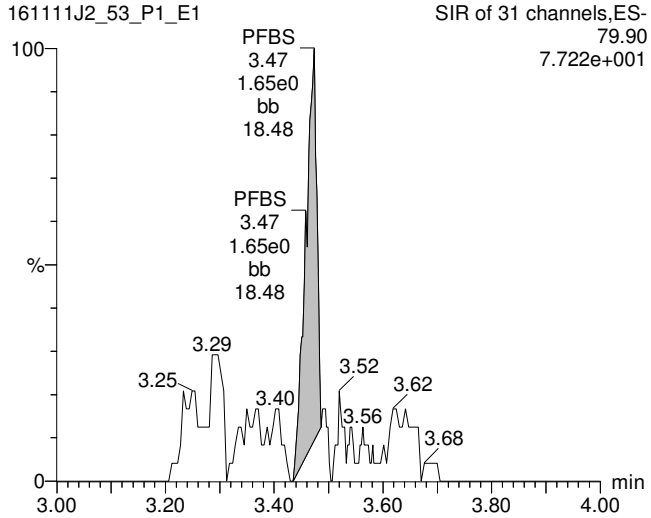
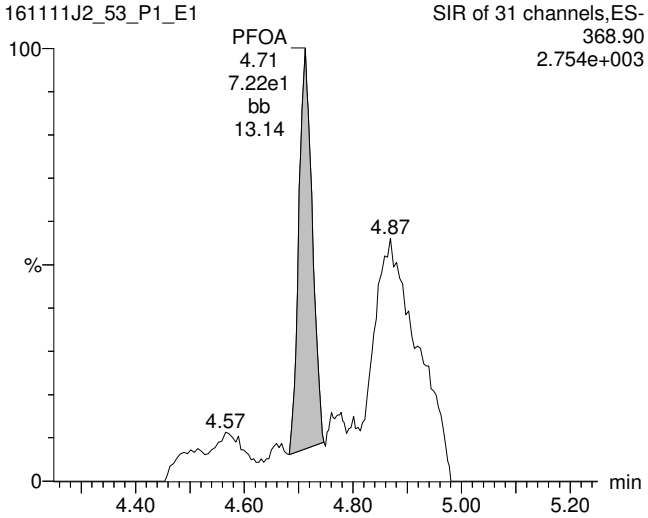
Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

ID: 1601359-10, Description: FB-M08-07_161025, Name: 161111J2_53.wiff, Date: 12-Nov-2016, Time: 03:03:48, Instrument: , Lab: ©PE-SCIEX, User: sciex

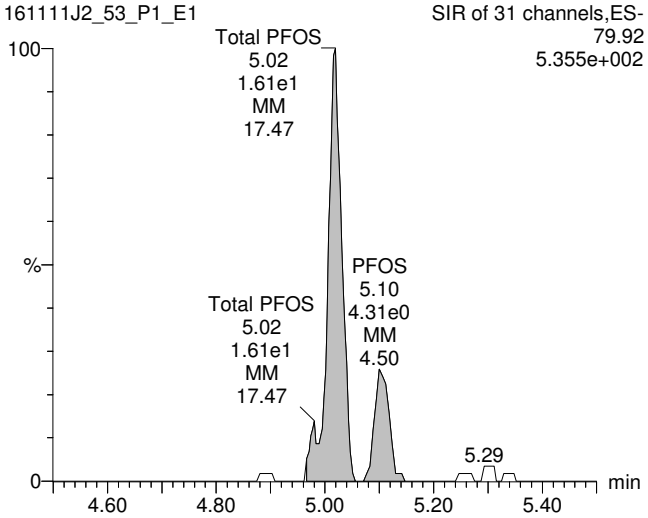
Total PFBS



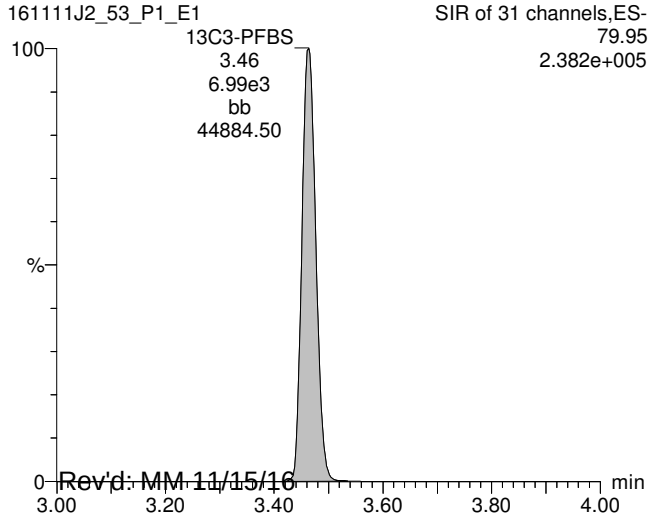
Total PFOA



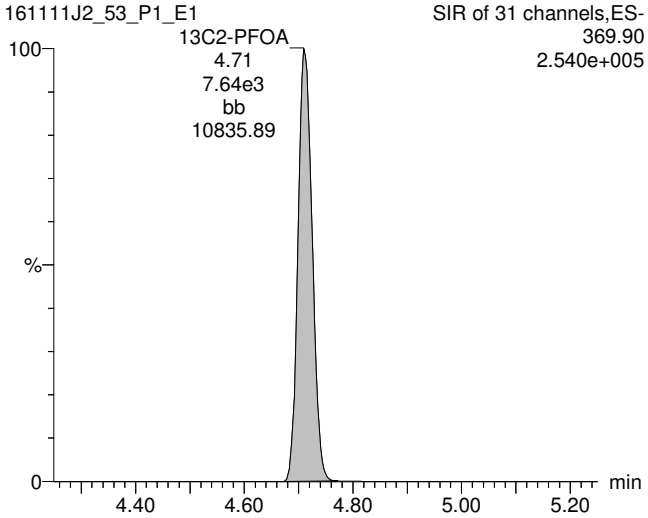
Total PFOS



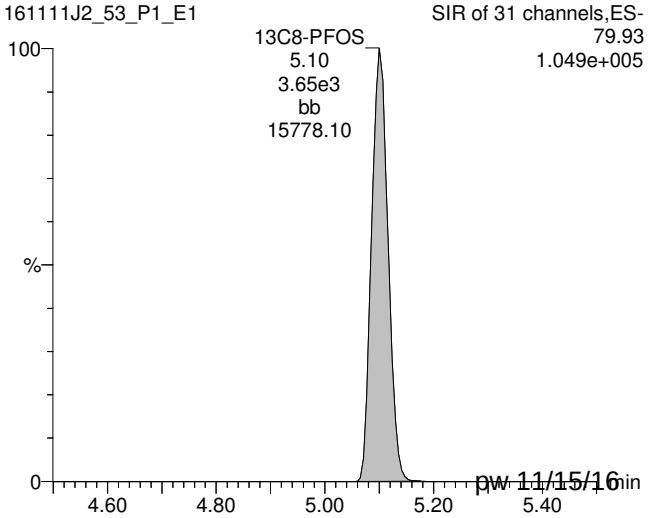
13C3-PFBS



13C2-PFOA



13C8-PFOS



Rev'd: MM 11/15/16 pw 11/15/16

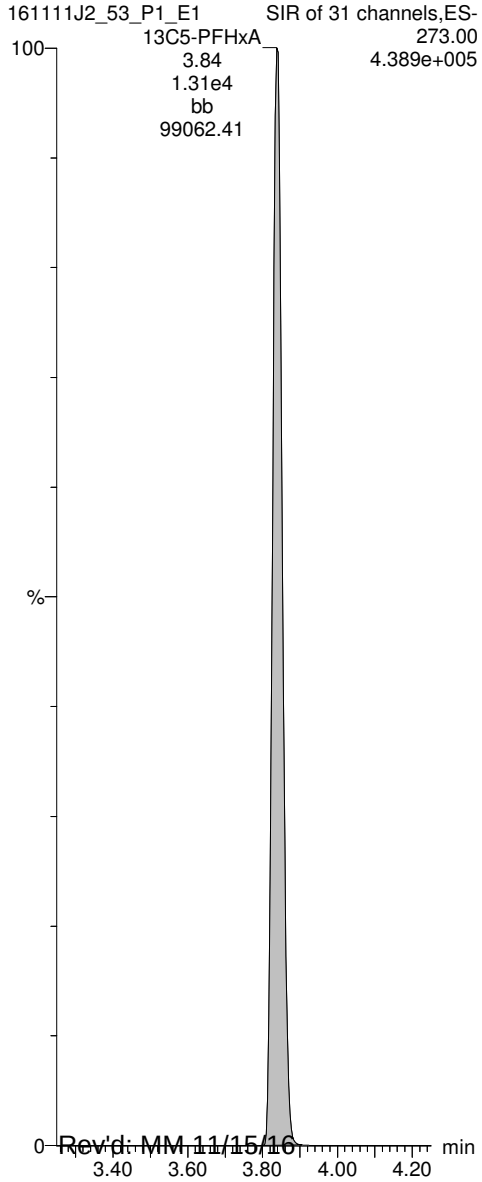
Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161111J2\161111J2_53.qld

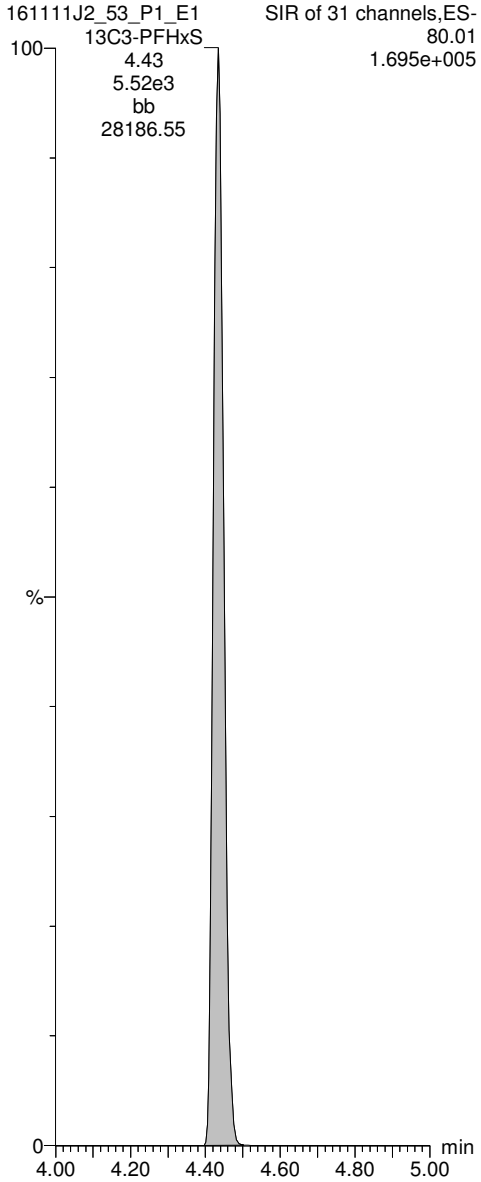
Last Altered: Tuesday, November 15, 2016 10:12:44 Pacific Standard Time
Printed: Tuesday, November 15, 2016 10:13:12 Pacific Standard Time

ID: 1601359-10, Description: FB-M08-07_161025, Name: 161111J2_53.wiff, Date: 12-Nov-2016, Time: 03:03:48, Instrument: , Lab: ©PE-SCIEX, User: sciex

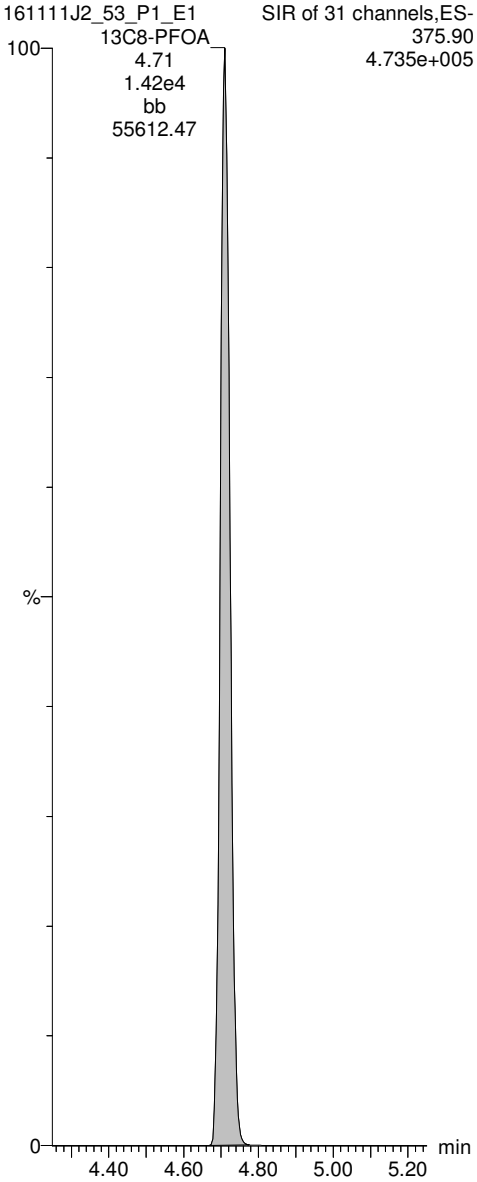
13C5-PFHxA



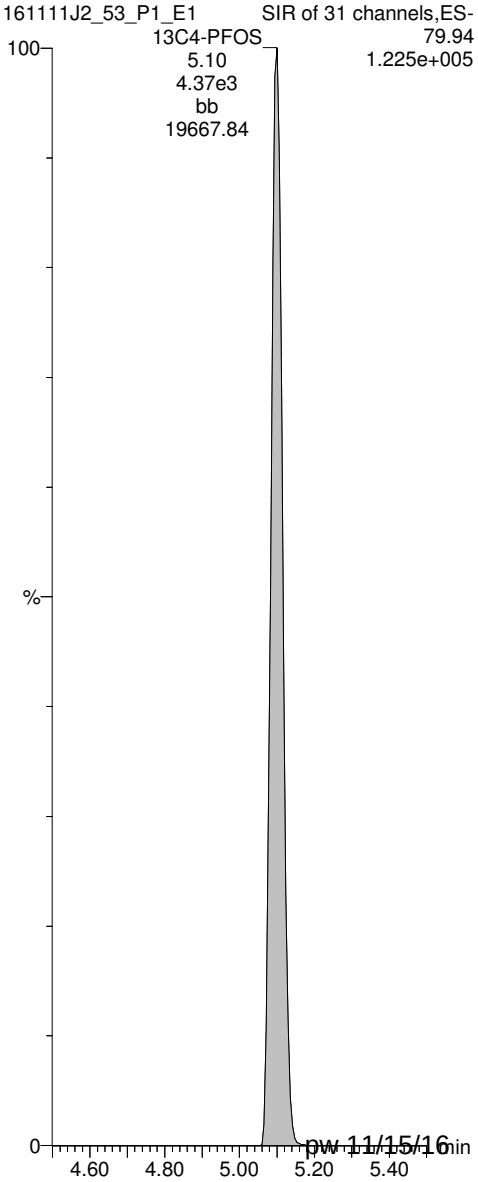
13C3-PFHxS



13C8-PFOA



13C4-PFOS



Rev'd: MM 11/15/16 pw 11/15/16

CONTINUING CALIBRATION

Quantify Sample Summary Report **MassLynx 4.1**
Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-17.qld

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Printed: Monday, November 07, 2016 10:30:02 Pacific Standard Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

Name: 161106G1_17, Date: 06-Nov-2016, Time: 21:27:33, ID: ST161106G1-2 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

	#.Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec	
1	1 PFBA	213.1 > 168.8	3.87e4	2.64e4		1.000	1.78	26.9	107.8	75-125
2	2 PFPeA	263.1 > 218.9	3.17e4	2.04e4		1.000	2.73	23.9	95.7	
3	3 PFBS	299 > 79.7	1.70e4	6.64e3		1.000	2.99	23.2	92.7	
4	4 PFHxA	313.2 > 268.9	2.81e4	9.53e3		1.000	3.35	25.2	101.0	
5	5 PFHpA	363 > 318.9	6.56e4	2.43e4		1.000	3.86	23.8	95.3	
6	6 PFHxS	398.9 > 79.6	1.76e4	6.63e3		1.000	3.99	22.5	90.0	
7	7 6:2 FTS	427.1 > 407	5.44e3	4.34e3		1.000	4.23	26.3	105.3	
8	8 PFOA	413 > 368.7	5.94e4	2.81e4		1.000	4.28	29.0	116.2	
9	9 PFOS	499 >79.9	1.03e4	6.86e3		1.000	4.69	22.0	87.8	
10	10 PFNA	463 > 418.8	5.34e4	1.61e4		1.000	4.62	22.6	90.5	
11	11 PFDA	513 > 468.8	1.98e4	1.61e4		1.000	4.92	24.1	96.4	
12	12 8:2 FTS	527 > 506.9	4.95e3	3.68e3		1.000	4.89	29.4	117.7	
13	13 13C3-PFBA	216.1 > 171.8	2.64e4	2.56e4	0.960	1.000	1.77	13.4	107.3	60-150
14	14 13C3-PFPeA	266>221.8	2.04e4	3.21e4	0.526	1.000	2.73	15.1	120.5	
15	15 13C3-PFBS	302.0 > 98.8	6.64e3	3.21e4	0.209	1.000	2.99	12.4	99.1	
16	16 13C2-PFHxA	315 > 269.8	9.53e3	3.21e4	0.655	1.000	3.35	5.66	113.1	
17	17 13C4-PFHpA	367.2 > 321.8	2.43e4	1.04e4	1.904	1.000	3.86	15.3	122.4	
18	18 18O2-PFHxS	403 > 102.6	6.63e3	1.04e4	0.580	1.000	3.99	13.7	109.8	
19	19 13C2-6:2 FTS	429.1 > 408.9	4.34e3	4.39e3	0.896	1.000	4.23	13.8	110.3	40-150
20	20 13C2-PFOA	414.9 > 369.7	2.81e4	1.53e4	2.326	1.000	4.28	9.86	78.8	60-150
21	21 13C8-PFOS	507.0 > 79.9	6.86e3	6.23e3	0.982	1.000	4.69	14.0	112.0	
22	22 13C5-PFNA	468.2 > 422.9	1.61e4	1.40e4	1.038	1.000	4.62	13.9	111.1	50-150
23	23 13C2-PFDA	515.1 > 469.9	1.61e4	1.46e4	1.053	1.000	4.92	13.1	104.6	60-150
24	24 13C2-8:2 FTS	529.1 > 508.7	3.68e3	4.39e3	0.635	1.000	4.89	16.5	131.9	40-150
25	25 13C4-PFBA	217 > 171.8	2.56e4	2.56e4	1.000	1.000	1.77	12.5	100.0	
26	26 13C2-4:2 FTS	329.2 > 308.9	4.39e3	4.39e3	1.000	1.000	3.27	12.5	100.0	
27	27 13C5-PFHxA	318.0 > 272.9	3.21e4	3.21e4	1.000	1.000	3.35	12.5	100.0	
28	28 13C3-PFHxS	401.9 > 79.9	1.04e4	1.04e4	1.000	1.000	3.99	12.5	100.0	
29	29 13C8-PFOA	421.3 > 376	1.53e4	1.53e4	1.000	1.000	4.28	12.5	100.0	
30	30 13C4-PFOS	503.0 > 79.9	6.23e3	6.23e3	1.000	1.000	4.69	12.5	100.0	
31	31 13C9-PFNA	472.2 > 426.9	1.40e4	1.40e4	1.000	1.000	4.62	12.5	100.0	

AC
11/7/16

PW
11/7/16

Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-17.qld

Last Altered: Monday, November 07, 2016 10:28:52 Pacific Standard Time
Printed: Monday, November 07, 2016 10:30:02 Pacific Standard Time

Name: 161106G1_17, Date: 06-Nov-2016, Time: 21:27:33, ID: ST161106G1-2 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

	#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	32	13C6-PFDA	519.1 > 473.7	1.46e4	1.46e4	1.000	1.000	4.92	12.5	100.0

Quantify Compound Summary Report **MassLynx 4.1**
Vista Analytical Laboratory VG-9

Dataset: Untitled

Last Altered: Monday, November 07, 2016 10:25:52 Pacific Standard Time
Printed: Monday, November 07, 2016 10:25:56 Pacific Standard Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	161106G1_16	IPA	06-Nov-16	21:14:55
2	161106G1_17	ST161106G1-2 PFC CS3.5 16K0201	06-Nov-16	21:27:33
3	161106G1_18	IPA	06-Nov-16	21:40:08
4	161106G1_19	B6K0031-BS1 OPR 0.125	06-Nov-16	21:52:47
5	161106G1_20	IPA	06-Nov-16	22:05:23
6	161106G1_21	B6K0031-BLK1 Method Blank 0.125	06-Nov-16	22:18:00
7	161106G1_22	1601348-04 EB-S6-MW-07_161024 0.12796	06-Nov-16	22:30:37
8	161106G1_23	1601348-13 EB11_161024 0.12641	06-Nov-16	22:43:11
9	161106G1_24	1601359-01 5-3MW1S_161025 0.125	06-Nov-16	22:55:46
10	161106G1_25	1601359-02 5-3MW7S_161025 0.125	06-Nov-16	23:08:25
11	161106G1_26	1601359-03 DUP05_161024 0.125	06-Nov-16	23:21:00
12	161106G1_27	1601359-11 M05-20_161024 0.125	06-Nov-16	23:33:35
13	161106G1_28	1601359-12 M08-07_161025 0.125	06-Nov-16	23:46:11
14	161106G1_29	IPA	06-Nov-16	23:58:47
15	161106G1_30	ST161106G1-3 PFC CS3.5 16K0201	07-Nov-16	00:11:26
16	161106G1_31	IPA	07-Nov-16	00:24:02

LC Calibration Standards Review Checklist Q1

			ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manaul Integrations	N/A
Calibration ID:	ST16110661-2	L M H	☒ N/A	☐	☐	☐	☐	☐	☐
Calibration ID:	↓ -3	L M H	☒	☐	☐	☐	☐	☐	☒
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 6/29/14

Comments:

Reviewed By: PW 11/7/16
Initials/Date

Vista Analytical Laboratory Q1

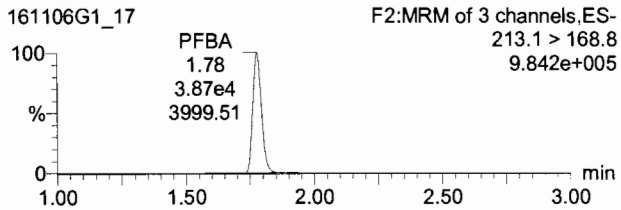
Dataset: Untitled

Last Altered: Monday, November 07, 2016 10:26:40 Pacific Standard Time
Printed: Monday, November 07, 2016 10:26:54 Pacific Standard Time

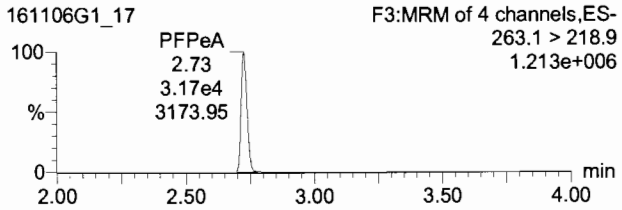
Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

Name: 161106G1_17, Date: 06-Nov-2016, Time: 21:27:33, ID: ST161106G1-2 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

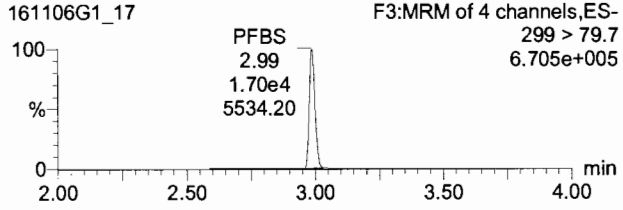
PFBA



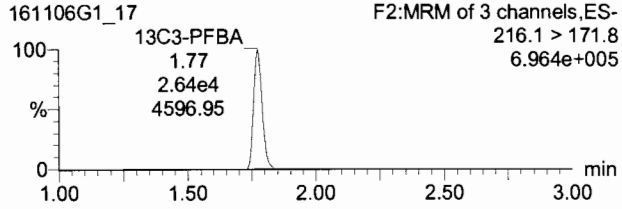
PFPeA



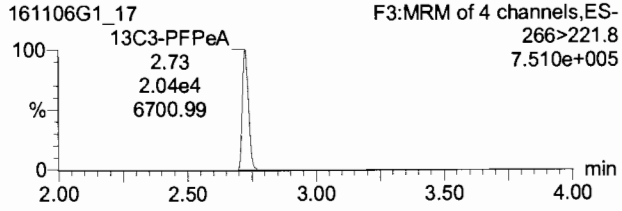
PFBS



13C3-PFBA



13C3-PFPeA



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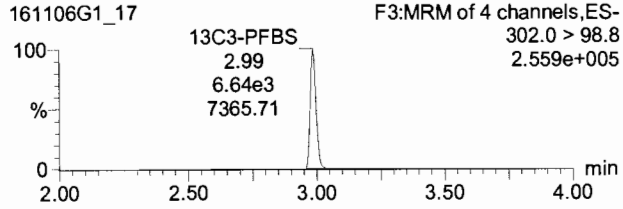
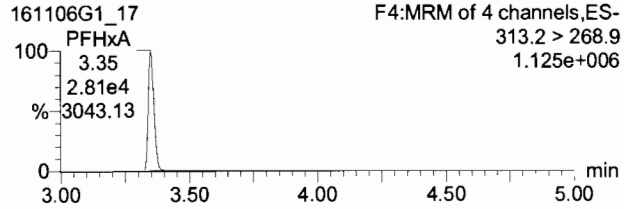
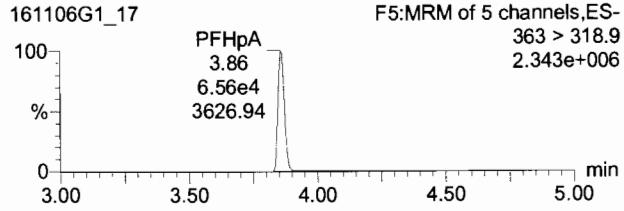


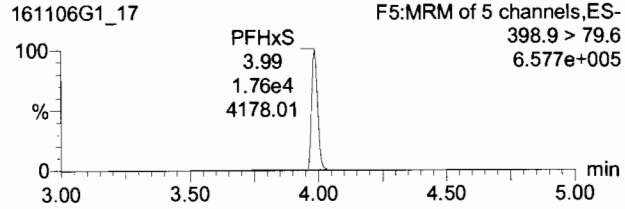
PFHxA



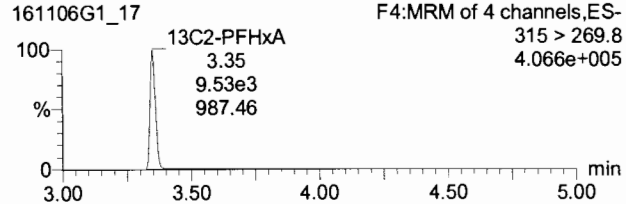
PFHpA



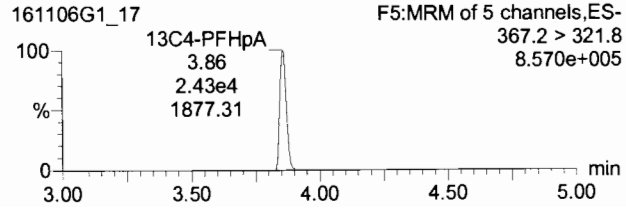
PFHxS



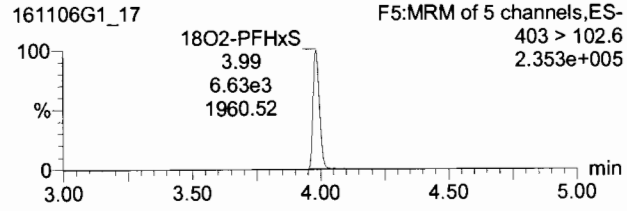
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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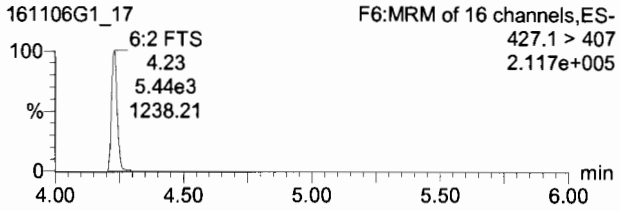
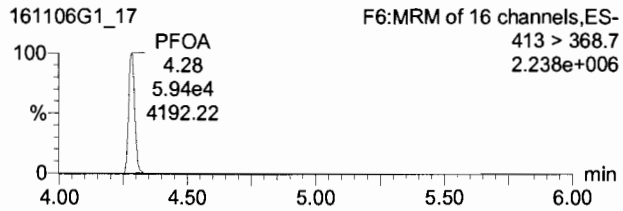
Last Altered: Monday, November 07, 2016 10:26:40 Pacific Standard Time
Printed: Monday, November 07, 2016 10:26:54 Pacific Standard Time

Name: 161106G1_17, Date: 06-Nov-2016, Time: 21:27:33, ID: ST161106G1-2 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

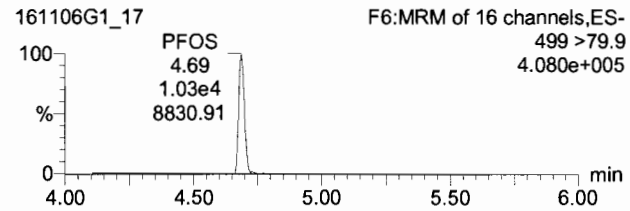
6:2 FTS



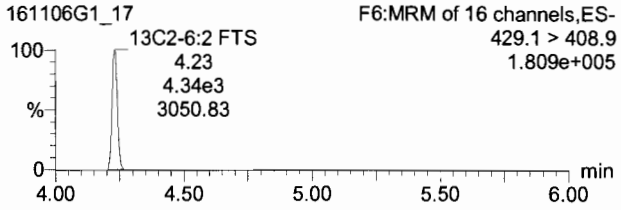
PFOA



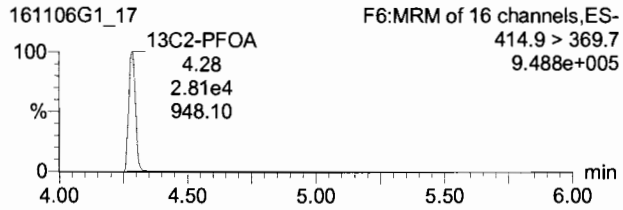
PFOS



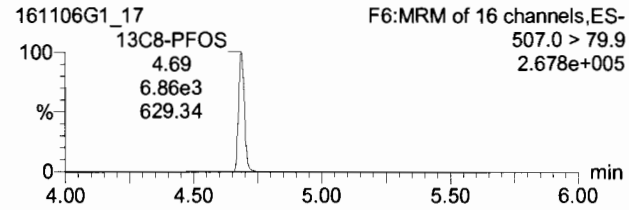
13C2-6:2 FTS



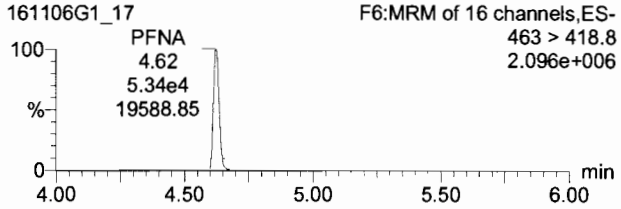
13C2-PFOA



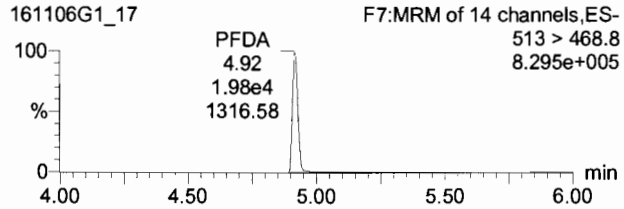
13C8-PFOS



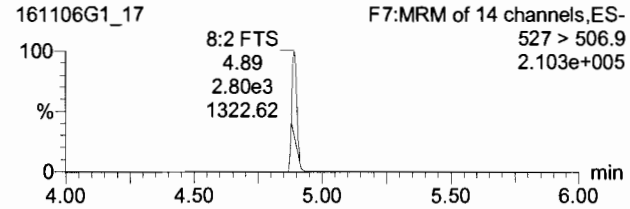
PFNA



PFDA



8:2 FTS



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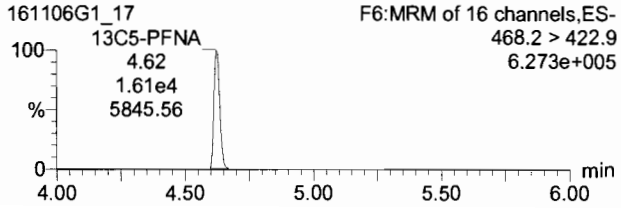

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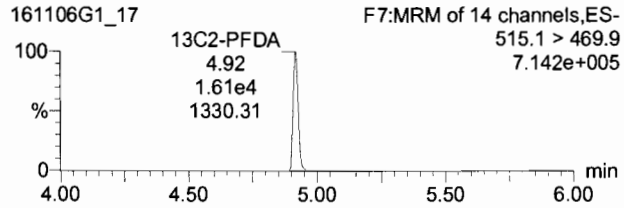
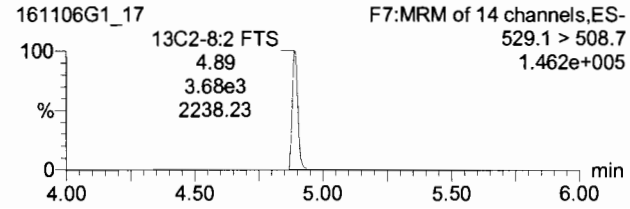


13C2-8:2 FTS

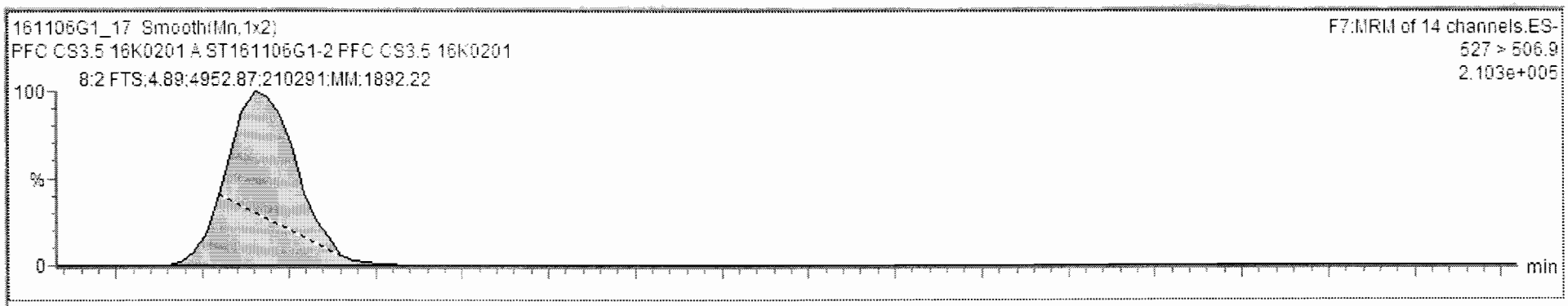


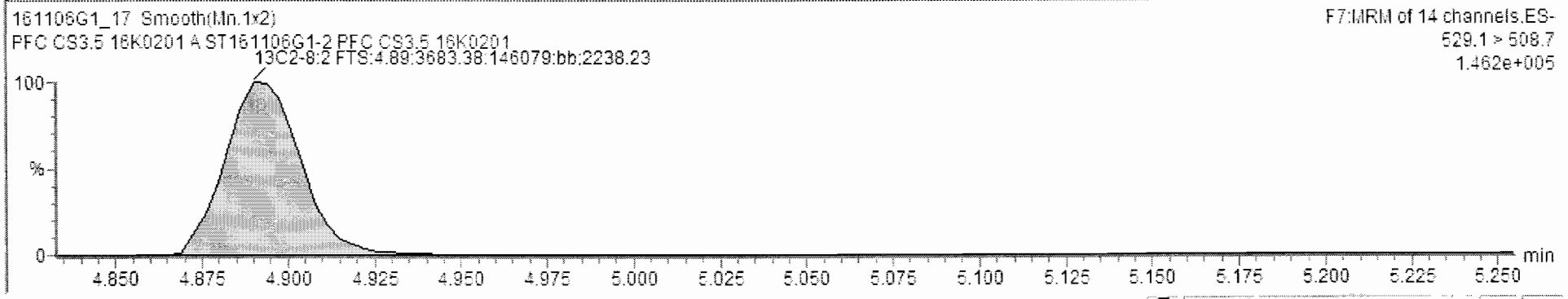
TargetLynx - untitled * - [Chromatogram]

File Edit View Display Processing Window Help

161106G1_17 - ST161106G1-2 PFC CS3.5 16K0201 - PFC CS3.5 16K0201 A

	Name	Trace	Area	RRF	Wt/Vol	Pred.RT	RT	Conc.	>MDL	%Rec	DL
1	PFBA	213.1 > 168.8	3.87e4		1.000	1.77	1.78	26.9	YES	107.8	0.0195439
2	PFPeA	263.1 > 218.9	3.17e4		1.000	2.73	2.73	23.9	YES	95.7	0.0416449
3	PFBS	299 > 79.7	1.70e4		1.000	2.99	2.99	23.2	YES	92.7	0.0765279
4	PFHxA	313.2 > 268.9	2.81e4		1.000	3.35	3.35	25.2	YES	101.0	0.0000391
5	PFHpA	363 > 318.9	6.56e4		1.000	3.86	3.86	23.8	YES	95.3	0.0377544
6	PFHxS	398.9 > 79.6	1.76e4		1.000	3.99	3.99	22.5	YES	90.0	0.0269895
7	6:2 FTS	427.1 > 407	5.44e3		1.000	4.23	4.23	26.3	YES	105.3	0.0812058
8	PFOA	413 > 368.7	5.94e4		1.000	4.28	4.28	29.0	YES	116.2	0.0028651
9	PFOS	499 >79.9	1.03e4		1.000	4.69	4.69	22.0	YES	87.8	0.0593706
10	PFNA	463 > 418.8	5.34e4		1.000	4.62	4.62	22.6	YES	90.5	0.0359156
11	PFDA	513 > 468.8	1.98e4		1.000	4.92	4.92	24.1	NO	96.4	0.0893950
12	8:2 FTS	527 > 506.9	4.95e3		1.000	4.89	4.89	29.4	YES	117.7	0.0501520





Ready 161106G1_17 CAP NUM

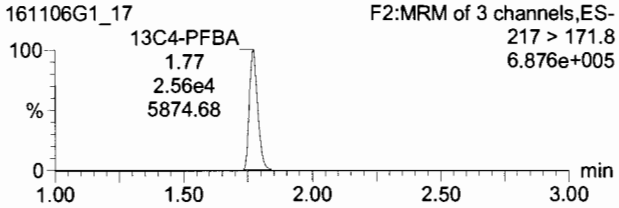
Vista Analytical Laboratory Q1

Dataset: Untitled

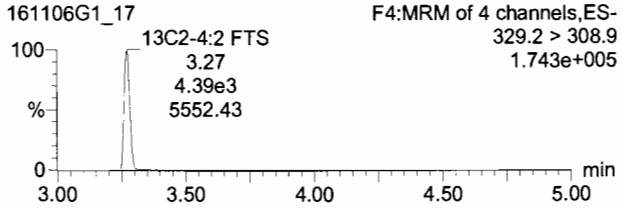
Last Altered: Monday, November 07, 2016 10:26:40 Pacific Standard Time
Printed: Monday, November 07, 2016 10:26:54 Pacific Standard Time

Name: 161106G1_17, Date: 06-Nov-2016, Time: 21:27:33, ID: ST161106G1-2 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

13C4-PFBA



13C2-4:2 FTS



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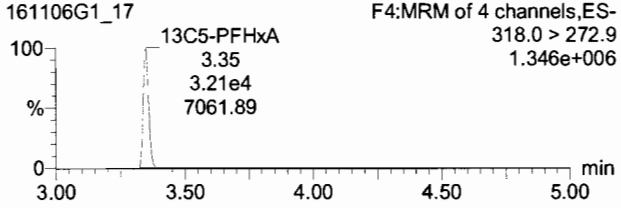
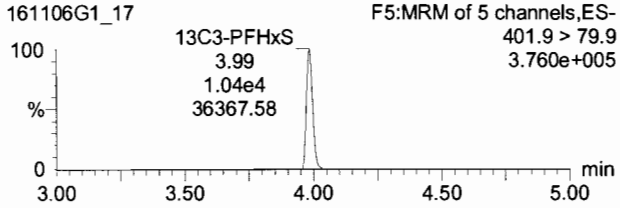
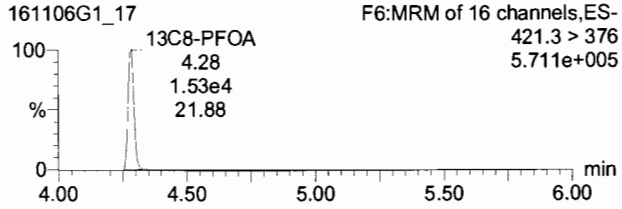


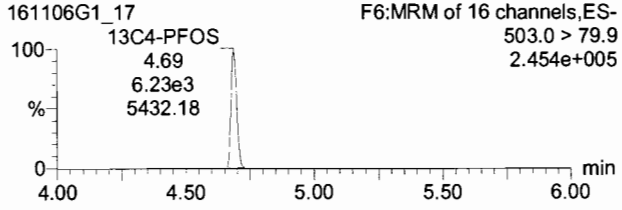
13C3-PFHxS



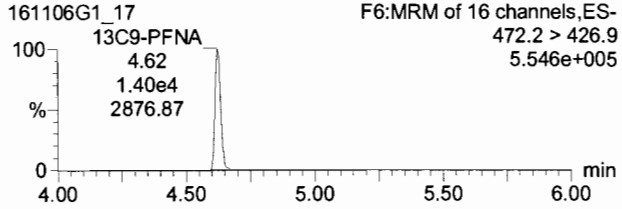
13C8-PFOA



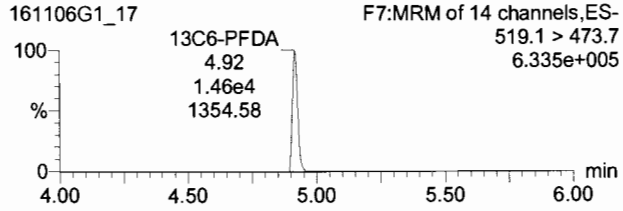
13C4-PFOS



13C9-PFNA



13C6-PFDA



Quantify Sample Summary Report **MassLynx 4.1**
Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-30.qld

Last Altered: Monday, November 07, 2016 10:31:28 Pacific Standard Time
Printed: Monday, November 07, 2016 10:32:27 Pacific Standard Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

Name: 161106G1_30, Date: 07-Nov-2016, Time: 00:11:26, ID: ST161106G1-3 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

	#-Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec	
1	1 PFBA	213.1 > 168.8	3.79e4	2.77e4		1.000	1.78	25.2	100.8	75-125
2	2 PFPeA	263.1 > 218.9	3.11e4	2.02e4		1.000	2.73	23.7	94.9	
3	3 PFBS	299 > 79.7	1.60e4	6.79e3		1.000	2.99	21.3	85.4	
4	4 PFHxA	313.2 > 268.9	2.56e4	1.04e4		1.000	3.35	21.1	84.3	
5	5 PFHpA	363 > 318.9	5.88e4	2.51e4		1.000	3.86	20.7	82.9	
6	6 PFHxS	398.9 > 79.6	1.87e4	6.88e3		1.000	3.99	23.0	92.2	
7	7 6:2 FTS	427.1 > 407	5.63e3	4.75e3		1.000	4.23	24.7	98.8	
8	8 PFOA	413 > 368.7	6.51e4	3.94e4		1.000	4.29	22.7	90.7	
9	9 PFOS	499 >79.9	1.03e4	7.18e3		1.000	4.69	21.0	83.9	
10	10 PFNA	463 > 418.8	5.19e4	1.56e4		1.000	4.63	22.8	91.4	
11	11 PFDA	513 > 468.8	1.71e4	1.48e4		1.000	4.92	22.5	90.0	
12	12 8:2 FTS	527 > 506.9	4.31e3	4.02e3		1.000	4.89	23.2	92.8	
13	13 13C3-PFBA	216.1 > 171.8	2.77e4	2.62e4	0.960	1.000	1.78	13.8	110.2	60-150
14	14 13C3-PFPeA	266>221.8	2.02e4	3.25e4	0.526	1.000	2.73	14.7	117.9	
15	15 13C3-PFBS	302.0 > 98.8	6.79e3	3.25e4	0.209	1.000	2.99	12.5	100.3	
16	16 13C2-PFHxA	315 > 269.8	1.04e4	3.25e4	0.655	1.000	3.35	6.11	122.2	
17	17 13C4-PFHpA	367.2 > 321.8	2.51e4	1.11e4	1.904	1.000	3.86	14.9	119.0	
18	18 18O2-PFHxS	403 > 102.6	6.88e3	1.11e4	0.580	1.000	3.99	13.4	107.4	
19	19 13C2-6:2 FTS	429.1 > 408.9	4.75e3	5.17e3	0.896	1.000	4.23	12.8	102.7	40-150
20	20 13C2-PFOA	414.9 > 369.7	3.94e4	1.58e4	2.326	1.000	4.29	13.4	107.1	60-150
21	21 13C8-PFOS	507.0 > 79.9	7.18e3	6.70e3	0.982	1.000	4.69	13.6	109.1	
22	22 13C5-PFNA	468.2 > 422.9	1.56e4	1.28e4	1.038	1.000	4.63	14.6	116.9	50-150
23	23 13C2-PFDA	515.1 > 469.9	1.48e4	1.23e4	1.053	1.000	4.92	14.4	114.8	60-150
24	24 13C2-8:2 FTS	529.1 > 508.7	4.02e3	5.17e3	0.635	1.000	4.89	15.3	122.4	40-150
25	25 13C4-PFBA	217 > 171.8	2.62e4	2.62e4	1.000	1.000	1.78	12.5	100.0	
26	26 13C2-4:2 FTS	329.2 > 308.9	5.17e3	5.17e3	1.000	1.000	3.27	12.5	100.0	
27	27 13C5-PFHxA	318.0 > 272.9	3.25e4	3.25e4	1.000	1.000	3.35	12.5	100.0	
28	28 13C3-PFHxS	401.9 > 79.9	1.11e4	1.11e4	1.000	1.000	3.99	12.5	100.0	
29	29 13C8-PFOA	421.3 > 376	1.58e4	1.58e4	1.000	1.000	4.29	12.5	100.0	
30	30 13C4-PFOS	503.0 > 79.9	6.70e3	6.70e3	1.000	1.000	4.69	12.5	100.0	
31	31 13C9-PFNA	472.2 > 426.9	1.28e4	1.28e4	1.000	1.000	4.63	12.5	100.0	

DC
11/7/16

PW
11/7/16

Quantify Sample Summary Report **MassLynx 4.1**
Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161106G1\161106G1-30.qld

Last Altered: Monday, November 07, 2016 10:31:28 Pacific Standard Time
Printed: Monday, November 07, 2016 10:32:27 Pacific Standard Time

Name: 161106G1_30, Date: 07-Nov-2016, Time: 00:11:26, ID: ST161106G1-3 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

	#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	32	13C6-PFDA	519.1 > 473.7	1.23e4	1.23e4	1.000	1.000	4.92	12.5	100.0

Quantify Compound Summary Report **MassLynx 4.1**
Vista Analytical Laboratory VG-9

Dataset: Untitled

Last Altered: Monday, November 07, 2016 10:25:52 Pacific Standard Time
Printed: Monday, November 07, 2016 10:25:56 Pacific Standard Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	161106G1_16	IPA	06-Nov-16	21:14:55
2	161106G1_17	ST161106G1-2 PFC CS3.5 16K0201	06-Nov-16	21:27:33
3	161106G1_18	IPA	06-Nov-16	21:40:08
4	161106G1_19	B6K0031-BS1 OPR 0.125	06-Nov-16	21:52:47
5	161106G1_20	IPA	06-Nov-16	22:05:23
6	161106G1_21	B6K0031-BLK1 Method Blank 0.125	06-Nov-16	22:18:00
7	161106G1_22	1601348-04 EB-S6-MW-07_161024 0.12796	06-Nov-16	22:30:37
8	161106G1_23	1601348-13 EB11_161024 0.12641	06-Nov-16	22:43:11
9	161106G1_24	1601359-01 5-3MW1S_161025 0.125	06-Nov-16	22:55:46
10	161106G1_25	1601359-02 5-3MW7S_161025 0.125	06-Nov-16	23:08:25
11	161106G1_26	1601359-03 DUP05_161024 0.125	06-Nov-16	23:21:00
12	161106G1_27	1601359-11 M05-20_161024 0.125	06-Nov-16	23:33:35
13	161106G1_28	1601359-12 M08-07_161025 0.125	06-Nov-16	23:46:11
14	161106G1_29	IPA	06-Nov-16	23:58:47
15	161106G1_30	ST161106G1-3 PFC CS3.5 16K0201	07-Nov-16	00:11:26
16	161106G1_31	IPA	07-Nov-16	00:24:02

Vista Analytical Laboratory Q1

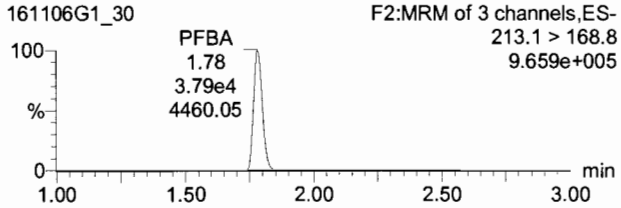
Dataset: Untitled

Last Altered: Monday, November 07, 2016 10:27:01 Pacific Standard Time
Printed: Monday, November 07, 2016 10:27:11 Pacific Standard Time

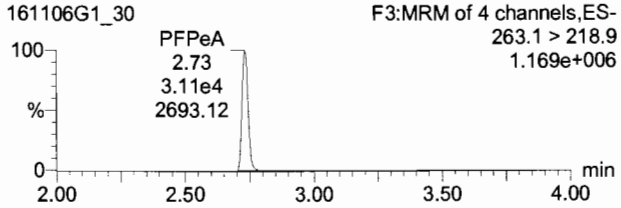
Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:33:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 12:21:44

Name: 161106G1_30, Date: 07-Nov-2016, Time: 00:11:26, ID: ST161106G1-3 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

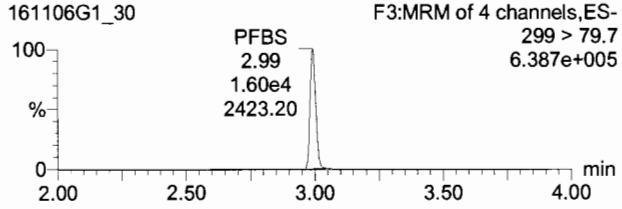
PFBA



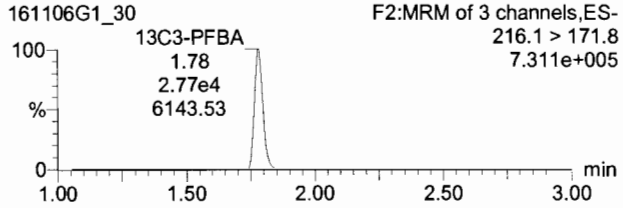
PFPeA



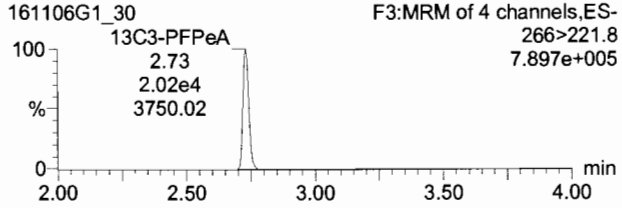
PFBS



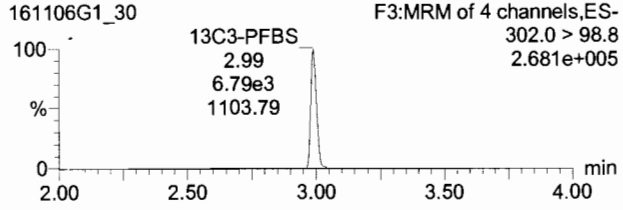
13C3-PFBA



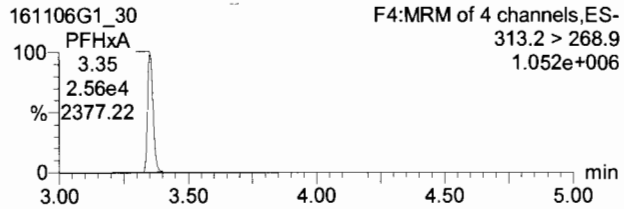
13C3-PFPeA



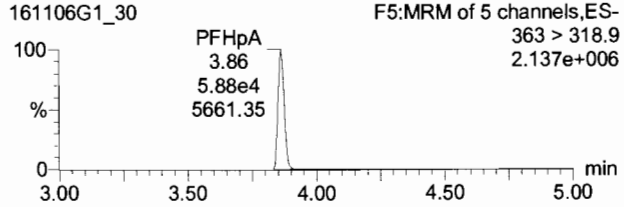
13C3-PFBS



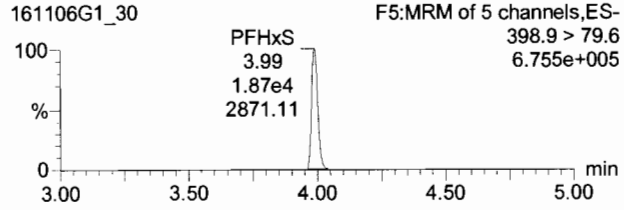
PFHxA



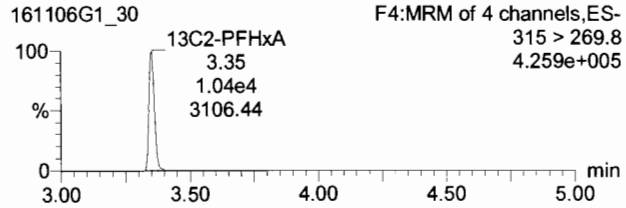
PFHpA



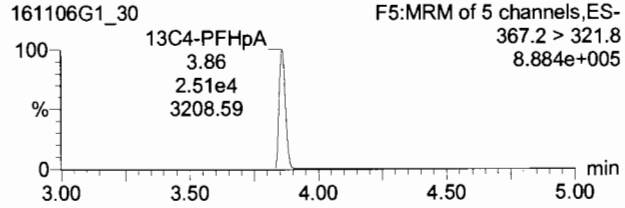
PFHxS



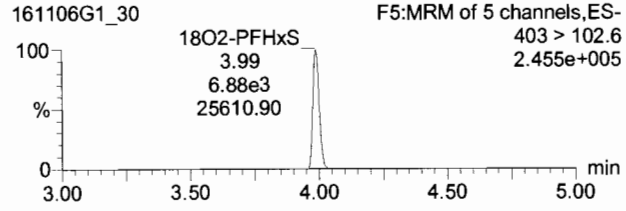
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



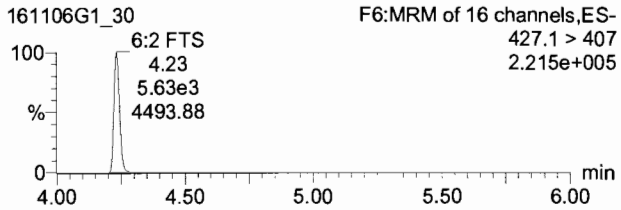
Vista Analytical Laboratory Q1

Dataset: Untitled

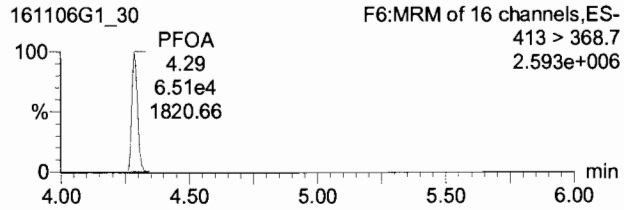
Last Altered: Monday, November 07, 2016 10:27:01 Pacific Standard Time
Printed: Monday, November 07, 2016 10:27:11 Pacific Standard Time

Name: 161106G1_30, Date: 07-Nov-2016, Time: 00:11:26, ID: ST161106G1-3 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

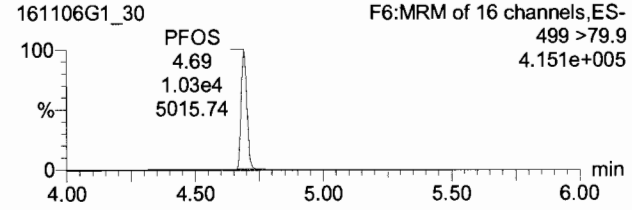
6:2 FTS



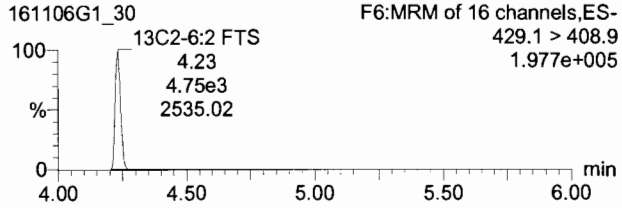
PFOA



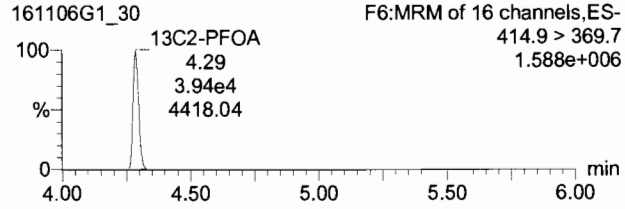
PFOS



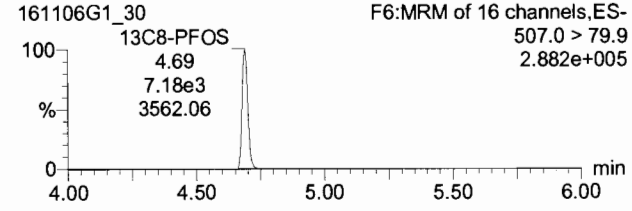
13C2-6:2 FTS



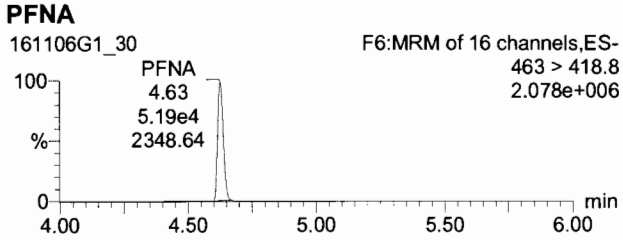
13C2-PFOA



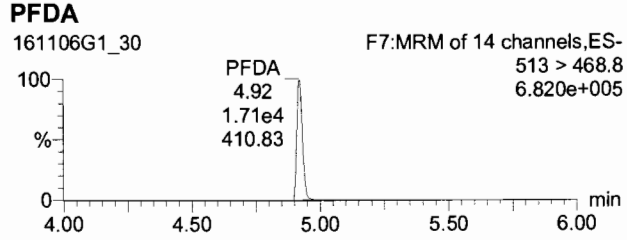
13C8-PFOS



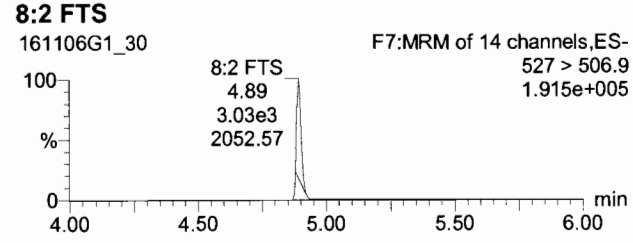
PFNA



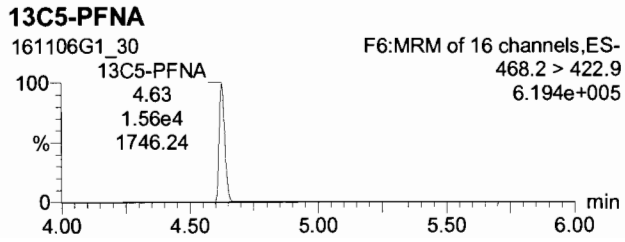
PFDA



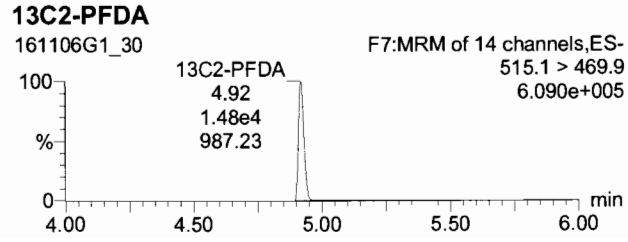
8:2 FTS



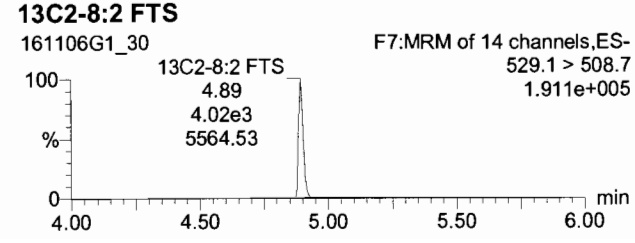
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS

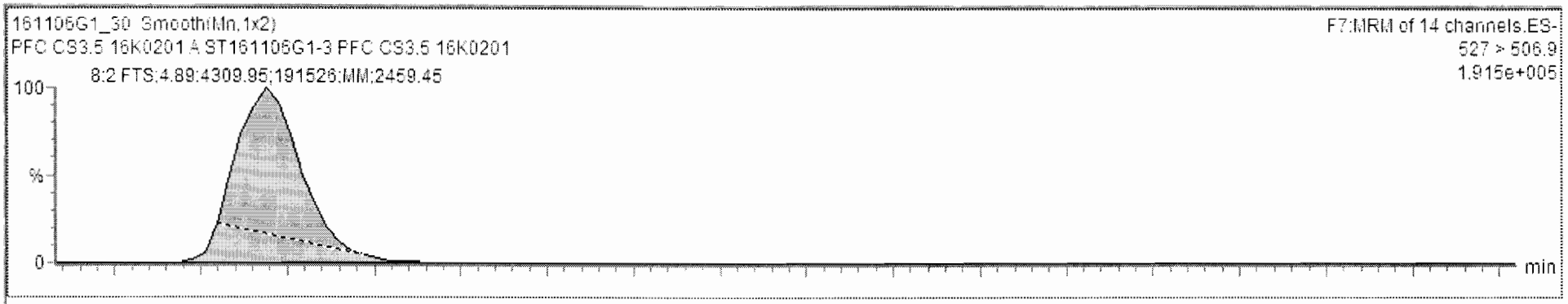


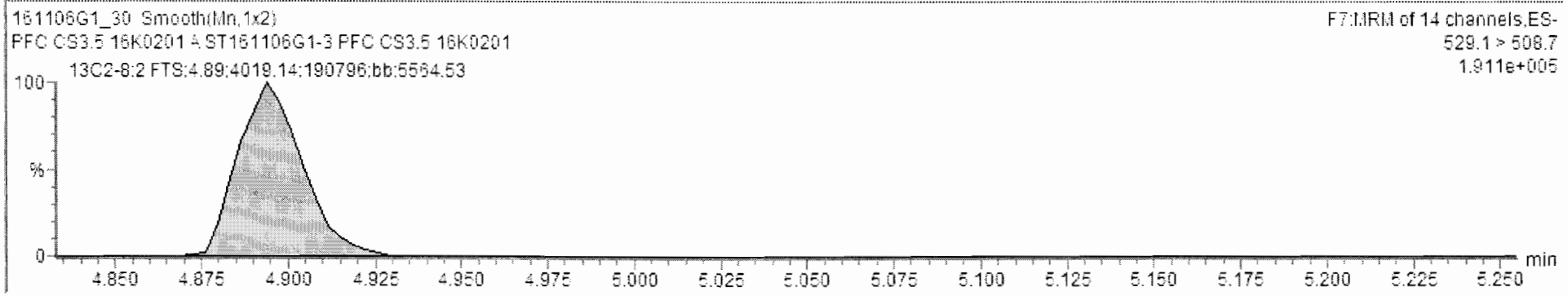
TargetLynx - untitled * - [Chromatogram]

File Edit View Display Processing Window Help

161106G1_30 - ST161106G1-3 PFC CS3.5 16K0201 - PFC CS3.5 16K0201 A

	Name	Trace	Area	RRF	Wt/VoL	Pred.RT	RT	Conc.	>MDL	%Rec	DL
1	PFBA	213.1 > 168.8	3.79e4		1.000	1.78	1.78	25.2	YES	100.8	0.0169004
2	PFPeA	263.1 > 218.9	3.11e4		1.000	2.73	2.73	23.7	YES	94.9	0.0432082
3	PFBS	299 > 79.7	1.60e4		1.000	2.99	2.99	21.3	YES	85.4	0.0880349
4	PFHxA	313.2 > 268.9	2.56e4		1.000	3.35	3.35	21.1	YES	84.3	0.0028278
5	PFHpA	363 > 318.9	5.88e4		1.000	3.86	3.86	20.7	YES	82.9	0.0305066
6	PFHxS	398.9 > 79.6	1.87e4		1.000	3.99	3.99	23.0	YES	92.2	0.0331156
7	6:2 FTS	427.1 > 407	5.63e3		1.000	4.23	4.23	24.7	YES	98.8	0.0481385
8	PFOA	413 > 368.7	6.51e4		1.000	4.29	4.29	22.7	YES	90.7	0.0143567
9	PFOS	499 >79.9	1.03e4		1.000	4.70	4.69	21.0	YES	83.9	0.0635274
10	PFNA	463 > 418.8	5.19e4		1.000	4.63	4.63	22.8	YES	91.4	0.0573416
11	PFDA	513 > 468.8	1.71e4		1.000	4.92	4.92	22.5	NO	90.0	0.1595684
12	8:2 FTS	527 > 506.9	4.31e3		1.000	4.89	4.89	23.2	YES	92.8	0.0318900





Ready 161106G1_30 CAP NUM

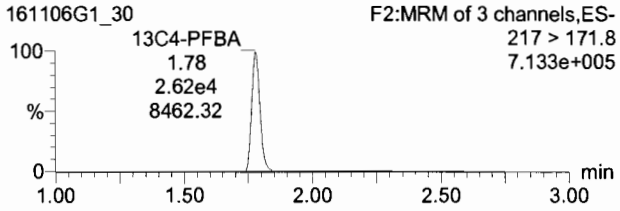
Vista Analytical Laboratory Q1

Dataset: Untitled

Last Altered: Monday, November 07, 2016 10:27:01 Pacific Standard Time
Printed: Monday, November 07, 2016 10:27:11 Pacific Standard Time

Name: 161106G1_30, Date: 07-Nov-2016, Time: 00:11:26, ID: ST161106G1-3 PFC CS3.5 16K0201, Description: PFC CS3.5 16K0201 A

13C4-PFBA



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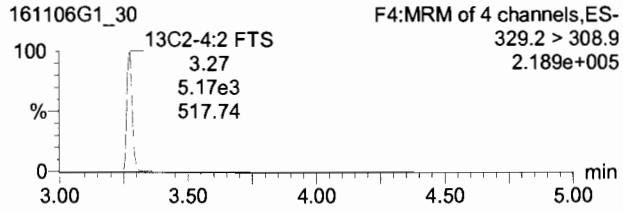

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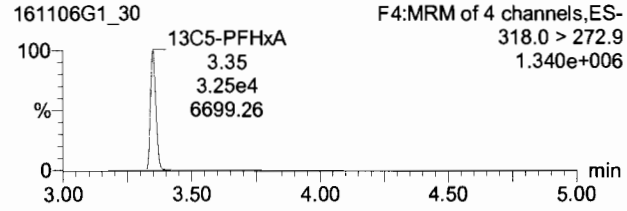

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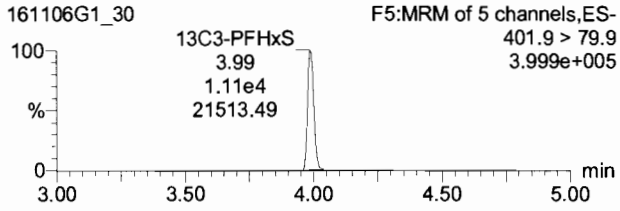

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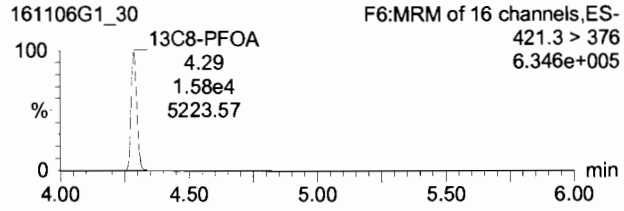

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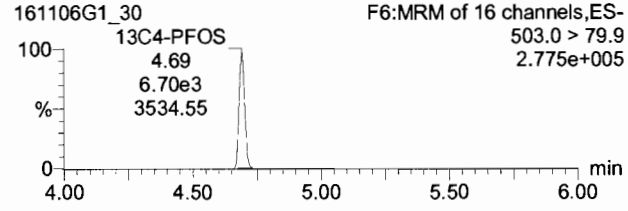

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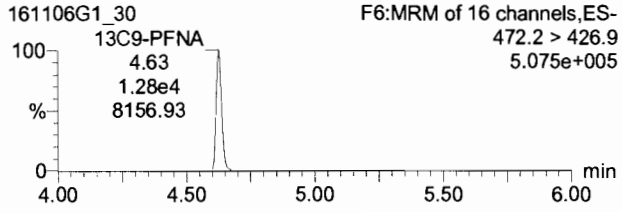

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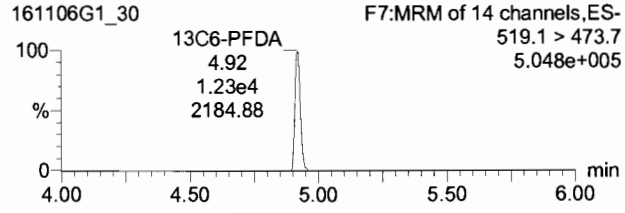

Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161112J2\161111J2_44.qld

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Printed: Saturday, November 12, 2016 11:01:56 Pacific Standard Time

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Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

Name: 161111J2_44.wiff, Date: 12-Nov-2016, Time: 01:13:36, ID: ST161111J2-12 PFC C3.5 16K1120, Description: PFC C3.5 16K0713 A

	#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec	
1	1	PFBA	168.90	2.09e4	9.08e3		1.000	2.05	27.5	110.0	75-125
2	2	PFPeA	218.90	2.16e4	1.04e4		1.000	3.19	28.4	113.6	
3	3	PFBS	79.90	1.04e4	5.90e3		1.000	3.47	28.1	112.2	
4	4	PFHxA	268.90	1.90e4	4.03e3		1.000	3.85	27.6	110.3	
5	5	PFHpA	318.90	1.62e4	8.65e3		1.000	4.33	27.8	111.0	
6	6	PFHxS	79.91	8.65e3	1.22e3		1.000	4.44	27.3	109.1	
7	7	6:2 FTS	406.90	4.64e3	2.49e3		1.000	4.67	25.6	102.6	
8	8	PFOA	368.90	2.06e4	7.46e3		1.000	4.72	27.7	111.0	
9	9	PFNA	419.00	1.63e4	8.15e3		1.000	5.05	27.6	110.3	
10	10	PFOS	79.92	8.71e3	3.13e3		1.000	5.11	27.7	111.0	
11	11	PFDA	469.00	9.40e3	4.37e3		1.000	5.32	26.6	106.4	
12	12	8:2 FTS	506.90	2.51e3	1.21e3		1.000	5.30	25.3	101.2	
13	13	13C3-PFBA	172.00	9.08e3	1.26e4	0.894	1.000	2.05	10.1	80.6	60-150
14	14	13C3-PFPeA	221.90	1.04e4	1.35e4	0.945	1.000	3.19	10.2	81.6	
15	15	13C3-PFBS	79.95	5.90e3	1.35e4	0.531	1.000	3.47	10.3	82.2	
16	16	13C2-PFHxA	269.90	4.03e3	1.35e4	0.905	1.000	3.85	4.13	82.6	
17	17	13C4-PFHpA	321.90	8.65e3	1.35e4	0.770	1.000	4.33	10.4	83.2	
18	18	18O2-PFHxS	102.90	1.22e3	5.45e3	0.276	1.000	4.44	10.1	81.1	
19	19	13C2-6:2 FTS	408.90	2.49e3	1.46e4	0.219	1.000	4.67	9.74	77.9	40-150
20	20	13C2-PFOA	369.90	7.46e3	1.46e4	0.663	1.000	4.72	9.62	76.9	60-150
21	21	13C5-PFNA	422.90	8.15e3	1.00e4	1.019	1.000	5.05	9.98	79.9	50-150
22	22	13C8-PFOS	79.93	3.13e3	4.14e3	0.921	1.000	5.11	10.3	82.0	60-150
23	23	13C2-PFDA	470.00	4.37e3	5.70e3	0.887	1.000	5.32	10.8	86.5	
24	24	13C2-8:2 FTS	508.70	1.21e3	5.70e3	0.272	1.000	5.30	9.77	78.2	40-150
25	25	13C4-PFBA	171.90	1.26e4	1.26e4	1.000	1.000	2.05	12.5	100.0	
26	26	13C5-PFHxA	273.00	1.35e4	1.35e4	1.000	1.000	3.84	12.5	100.0	
27	27	13C3-PFHxS	80.01	5.45e3	5.45e3	1.000	1.000	4.44	12.5	100.0	
28	28	13C8-PFOA	375.90	1.46e4	1.46e4	1.000	1.000	4.72	12.5	100.0	
29	29	13C4-PFOS	79.94	4.14e3	4.14e3	1.000	1.000	5.10	12.5	100.0	
30	30	13C9-PFNA	427.00	1.00e4	1.00e4	1.000	1.000	5.04	12.5	100.0	
31	31	13C6-PFDA	474.00	5.70e3	5.70e3	1.000	1.000	5.32	12.5	100.0	

PW
11/12/16

Printing Time: 11:07:31
Printing Date: Saturday, November 12, 2016

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2	161111J2_02	11/11/2016 16:39:32	ST161111J2-1 PFC CS(-2)16K1114	PFC CS(-2)16K1114 A
3	161111J2_03	11/11/2016 16:51:46	ST161111J2-2 PFC CS(-1) 16K1115	PFC CS(-1) 16K1115 A
4	161111J2_04	11/11/2016 17:04:00	ST161111J2-3 PFC CS0 16K1116	PFC CS0 16K1116 A
5	161111J2_05	11/11/2016 17:16:11	ST161111J2-4 PFC CS1 16K1117	PFC CS1 16K1117 A
6	161111J2_06	11/11/2016 17:28:26	ST161111J2-5 PFC CS2 16K1118	PFC CS2 16K1118 A
7	161111J2_07	11/11/2016 17:40:40	ST161111J2-6 PFC CS3 16K1119	PFC CS3 16K1119 A
8	161111J2_08	11/11/2016 17:52:55	ST161111J2-7 PFC C3.5 16K1120	PFC C3.5 16K1120 A
9	161111J2_09	11/11/2016 18:05:09	ST161111J2-8 PFC CS4 16K1121	PFC CS4 16K1121 A
10	161111J2_10	11/11/2016 18:17:21	ST161111J2-9 PFC CS4.5 16K1122	PFC CS4.5 16K1122 A
11	161111J2_11	11/11/2016 18:29:38	ST161111J2-10 PFC CS5 16K1123	PFC CS5 16K1123 A
12	161111J2_12	11/11/2016 18:41:52	IPA	IPA
13	161111J2_13	11/11/2016 18:54:07	SS161111J2-1 PFC SSS 16J1810	PFC SSS 16J1810 A
14	161111J2_14	11/11/2016 19:06:23	IPA	IPA
15	161111J2_15	11/11/2016 19:18:38	B6K0030-BS1	OPR
16	161111J2_16	11/11/2016 19:30:51	B6K0033-BS1	OPR
17	161111J2_17	11/11/2016 19:43:07	IPA	IPA
18	161111J2_18	11/11/2016 19:55:22	B6K0033-BLK1	Method Blank
19	161111J2_19	11/11/2016 20:07:37	B6K0030-BLK1	Method Blank
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21	161111J2_21	11/11/2016 20:32:00	1601384-02	WURTS_VAS01014-27-30
22	161111J2_22	11/11/2016 20:44:16	1601384-03	WURTS_VAS01014-37-40
23	161111J2_23	11/11/2016 20:56:27	1601384-04	WURTS_VAS01014-47-50
24	161111J2_24	11/11/2016 21:08:40	1601384-05	WURTS_VAS13004-20-23
25	161111J2_25	11/11/2016 21:20:55	1601384-06	WURTS_VAS13004-30-33
26	161111J2_26	11/11/2016 21:33:11	1601384-07	WURTS_VAS13004-40-43
27	161111J2_27	11/11/2016 21:45:25	1601384-08	WURTS_VAS13004-50-53
28	161111J2_28	11/11/2016 21:57:40	1601384-09	WURTS_VAS13005-26-29
29	161111J2_29	11/11/2016 22:09:56	1601384-10	WURTS_VAS13005-36-39
30	161111J2_30	11/11/2016 22:22:11	IPA	IPA
31	161111J2_31	11/11/2016 22:34:26	ST161111J2-11 PFC C3.5 16K1120	PFC C3.5 16K0713 A
32	161111J2_32	11/11/2016 22:46:37	IPA	IPA
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36	161111J2_36	11/11/2016 23:35:37	1601386-02	WURTS_EB003JH-102616
37	161111J2_37	11/11/2016 23:47:49	1601386-03	WURTS_VAS01012-18-21
38	161111J2_38	11/12/2016 00:00:10	1601386-04	WURTS_VAS01012-18-21_FD
39	161111J2_39	11/12/2016 00:12:24	1601386-05	WURTS_VAS01012-28-31
40	161111J2_40	11/12/2016 00:24:39	1601386-06	WURTS_VAS01012-38-41
41	161111J2_41	11/12/2016 00:36:54	1601386-07	WURTS_VAS01012-48-51
42	161111J2_42	11/12/2016 00:49:08	1601386-08	WURTS_VAS01013-20-23
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47	161111J2_47	11/12/2016 01:50:17	1601386-10	WURTS_VAS01013-40-43
48	161111J2_48	11/12/2016 02:02:33	1601386-11	WURTS_VAS01013-50-53
49	161111J2_49	11/12/2016 02:14:49	1601386-12	WURTS_VAS01014-57-60
50	161111J2_50	11/12/2016 02:27:05	1601386-13	WURTS_EB005JH-102816
51	161111J2_51	11/12/2016 02:39:20	1601386-14	WURTS_VAS15010-40-43
52	161111J2_52	11/12/2016 02:51:36	1601386-15	WURTS_VAS15010-50-53
53	161111J2_53	11/12/2016 03:03:48	1601359-10	FB-M08-07_161025
54	161111J2_54	11/12/2016 03:16:02	B6K0033-MS1	Matrix Spike
55	161111J2_55	11/12/2016 03:28:18	B6K0033-MSD1	Matrix Spike Dup
56	161111J2_56	11/12/2016 03:40:31	IPA	IPA
57	161111J2_57	11/12/2016 03:52:46	ST161111J2-13 PFC C3.5 16K1120	PFC C3.5 16K0713 A
58	161111J2_58	11/12/2016 04:05:00	IPA	IPA

Vista Analytical Laboratory Q2

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Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

Name: 161111J2_44.wiff, Date: 12-Nov-2016, Time: 01:13:36, ID: ST161111J2-12 PFC C3.5 16K1120, Description: PFC C3.5 16K0713 A

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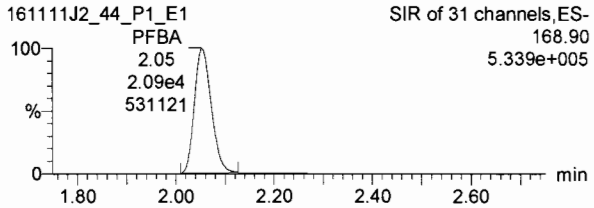

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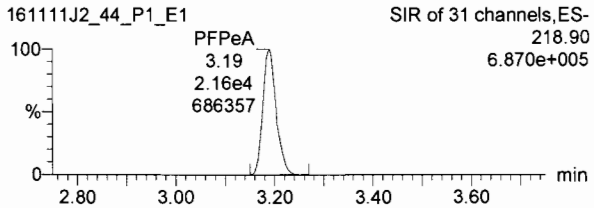

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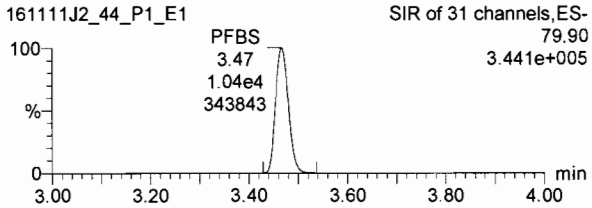

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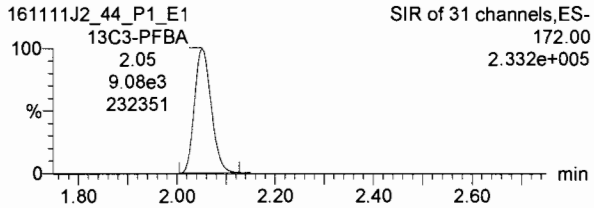

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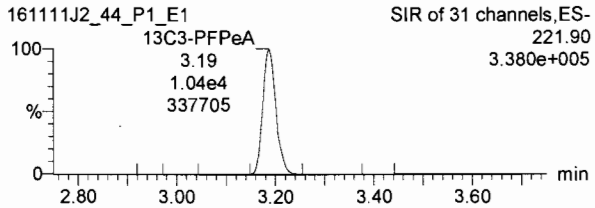

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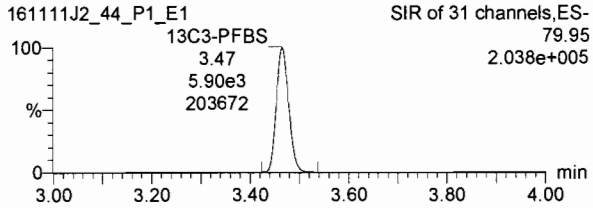

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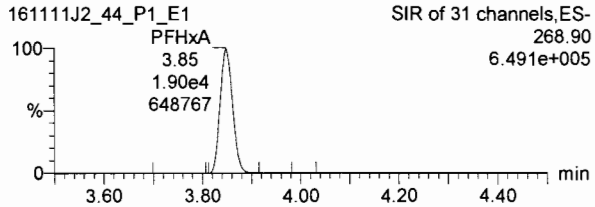

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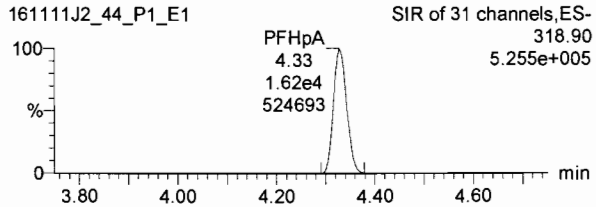

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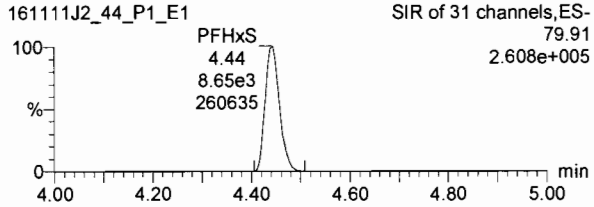

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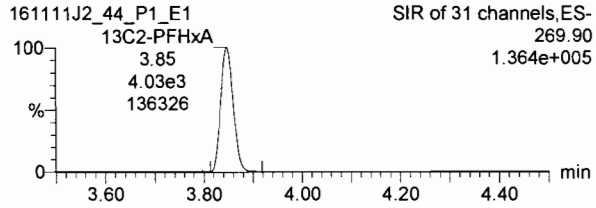

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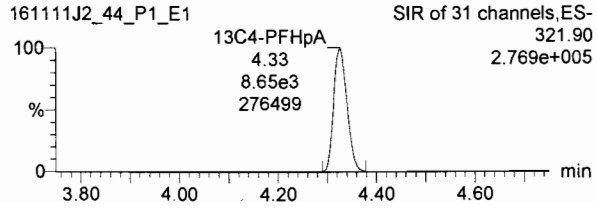

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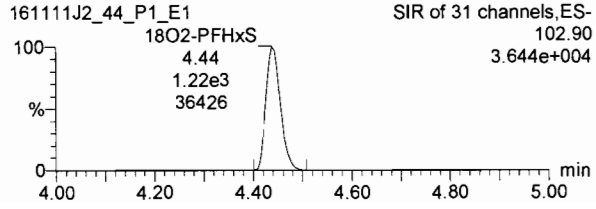

Vista Analytical Laboratory Q2

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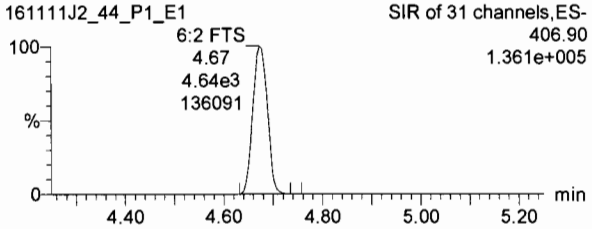
6:2 FTS



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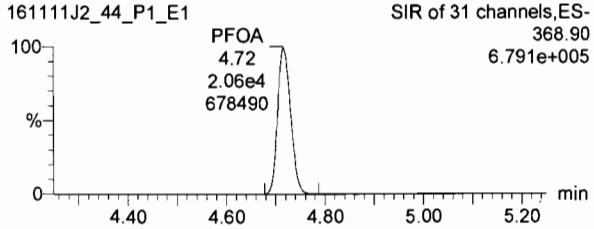

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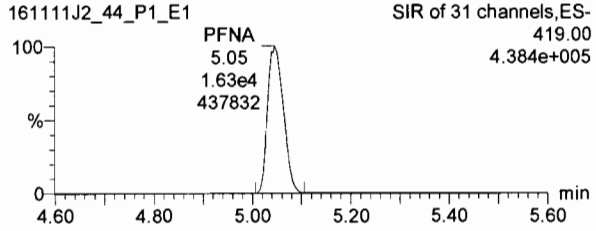

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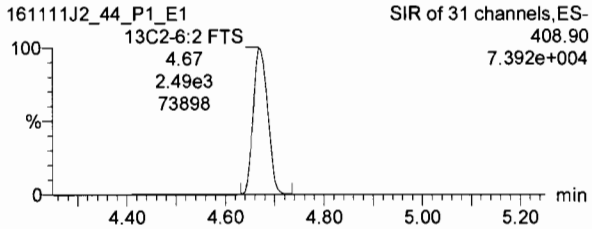

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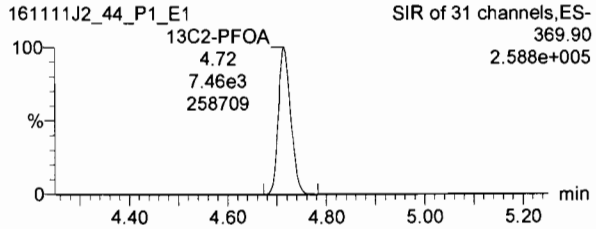
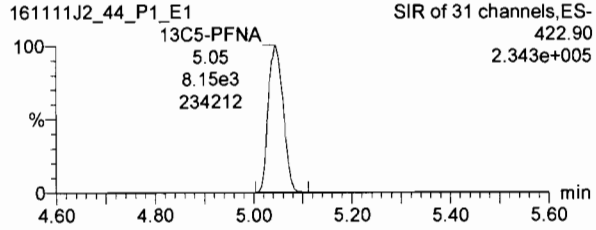


13C5-PFNA



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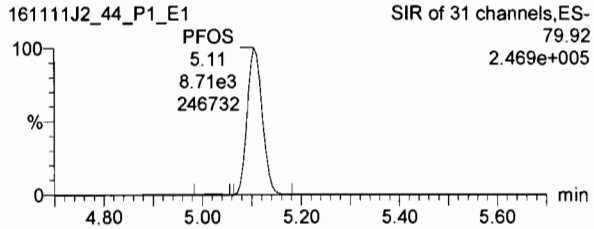

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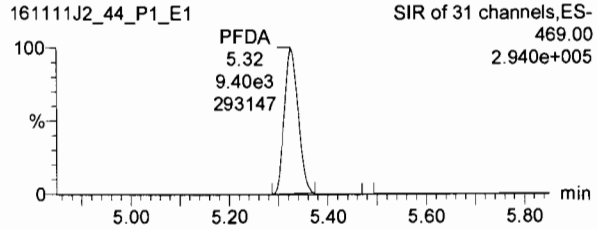

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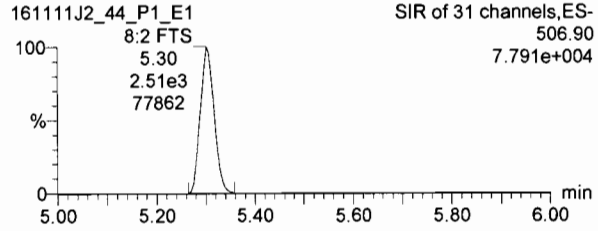

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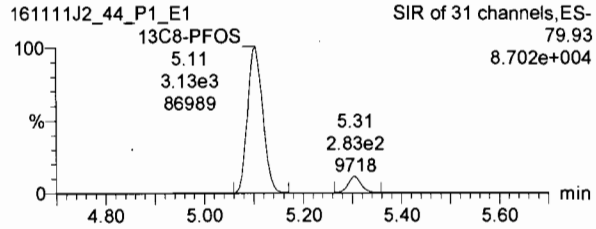

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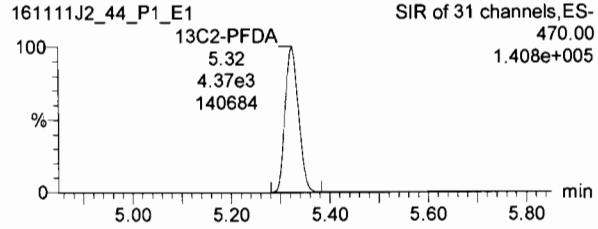

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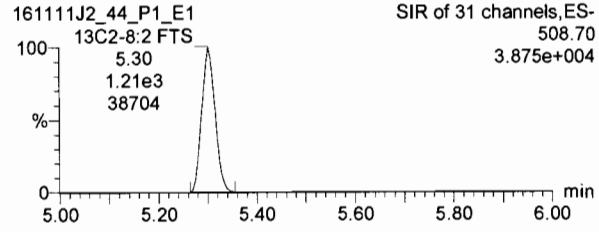

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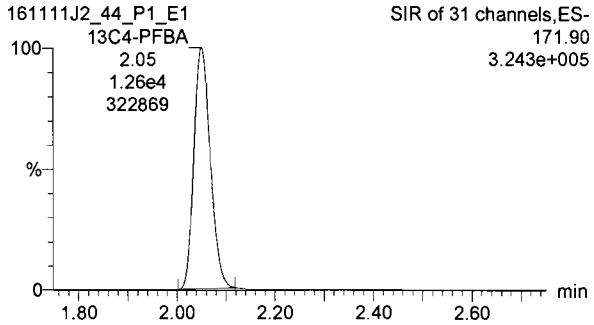
Printed: Saturday, November 12, 2016 11:02:13 Pacific Standard Time

Name: 161111J2_44.wiff, Date: 12-Nov-2016, Time: 01:13:36, ID: ST161111J2-12 PFC C3.5 16K1120, Description: PFC C3.5 16K0713 A

13C4-PFBA



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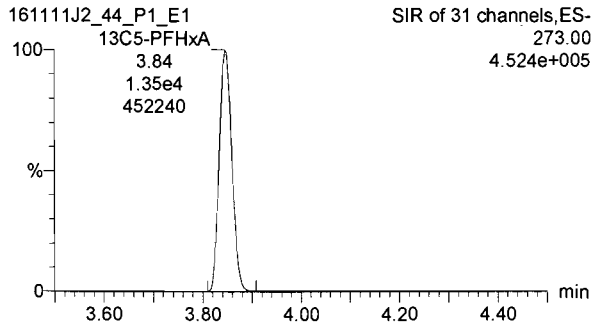

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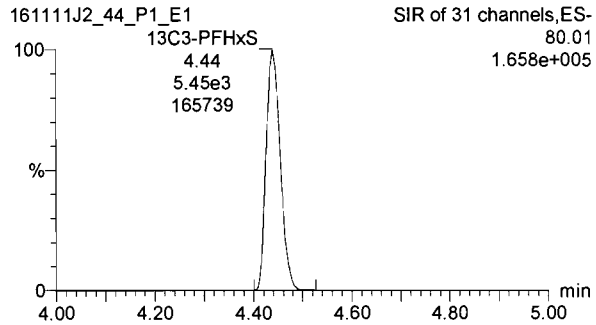

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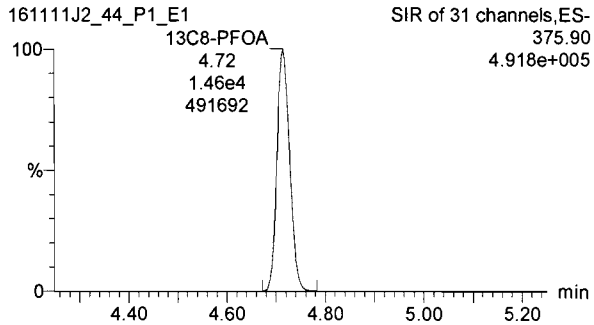

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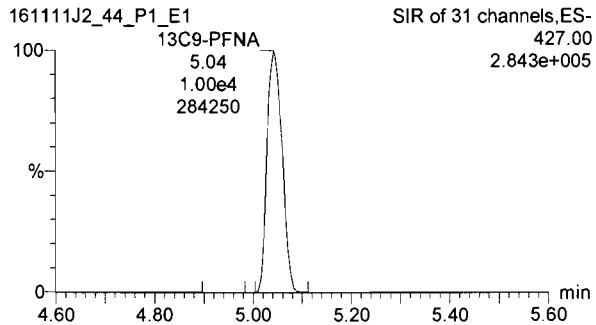

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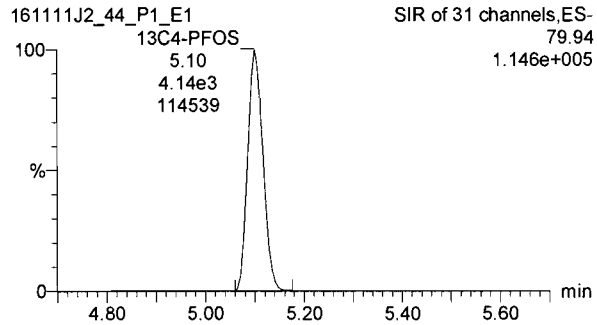

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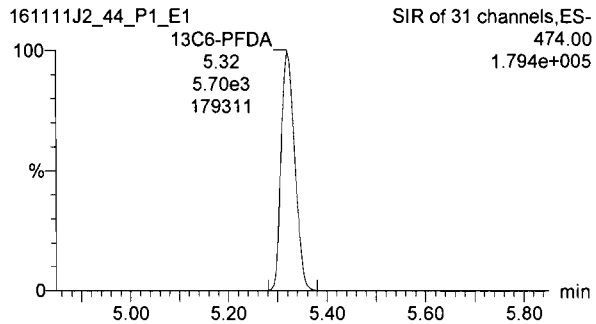

Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161112J2\161111J2_57.qld

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Printed: Saturday, November 12, 2016 11:03:24 Pacific Standard Time

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Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

Name: 161111J2_57.wiff, Date: 12-Nov-2016, Time: 03:52:46, ID: ST161111J2-13 PFC C3.5 16K1120, Description: PFC C3.5 16K0713 A

	#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec	
1	1	PFBA	168.90	2.09e4	8.98e3		1.000	2.06	27.8	111.4	75-125
2	2	PFPeA	218.90	2.14e4	1.05e4		1.000	3.19	28.0	111.8	
3	3	PFBS	79.90	1.09e4	6.06e3		1.000	3.46	28.6	114.6	
4	4	PFHxA	268.90	1.90e4	4.01e3		1.000	3.84	27.7	111.0	
5	5	PFHpA	318.90	1.62e4	8.76e3		1.000	4.33	27.3	109.3	
6	6	PFHxS	79.91	8.23e3	1.28e3		1.000	4.44	24.8	99.0	
7	7	6:2 FTS	406.90	4.58e3	2.50e3		1.000	4.67	25.2	100.7	
8	8	PFOA	368.90	2.09e4	7.83e3		1.000	4.71	26.8	107.3	
9	9	PFNA	419.00	1.56e4	7.58e3		1.000	5.04	28.5	113.8	
10	10	PFOS	79.92	7.87e3	3.19e3		1.000	5.10	24.5	98.1	
11	11	PFDA	469.00	9.58e3	4.22e3		1.000	5.32	28.1	112.4	
12	12	8:2 FTS	506.90	2.58e3	1.19e3		1.000	5.30	26.5	105.9	
13	13	13C3-PFBA	172.00	8.98e3	1.25e4	0.894	1.000	2.06	10.0	80.2	60-150
14	14	13C3-PFPeA	221.90	1.05e4	1.36e4	0.945	1.000	3.19	10.2	81.5	
15	15	13C3-PFBS	79.95	6.06e3	1.36e4	0.531	1.000	3.46	10.5	84.0	
16	16	13C2-PFHxA	269.90	4.01e3	1.36e4	0.905	1.000	3.84	4.08	81.6	
17	17	13C4-PFHpA	321.90	8.76e3	1.36e4	0.770	1.000	4.32	10.5	83.9	
18	18	18O2-PFHxS	102.90	1.28e3	5.35e3	0.276	1.000	4.43	10.9	86.8	
19	19	13C2-6:2 FTS	408.90	2.50e3	1.49e4	0.219	1.000	4.67	9.61	76.9	40-150
20	20	13C2-PFOA	369.90	7.83e3	1.49e4	0.663	1.000	4.71	9.92	79.4	60- 150
21	21	13C5-PFNA	422.90	7.58e3	9.67e3	1.019	1.000	5.04	9.60	76.8	50-150
22	22	13C8-PFOS	79.93	3.19e3	4.08e3	0.921	1.000	5.09	10.6	84.9	60- 150
23	23	13C2-PFDA	470.00	4.22e3	6.02e3	0.887	1.000	5.32	9.88	79.0	
24	24	13C2-8:2 FTS	508.70	1.19e3	6.02e3	0.272	1.000	5.30	9.13	73.1	40-150
25	25	13C4-PFBA	171.90	1.25e4	1.25e4	1.000	1.000	2.05	12.5	100.0	
26	26	13C5-PFHxA	273.00	1.36e4	1.36e4	1.000	1.000	3.83	12.5	100.0	
27	27	13C3-PFHxS	80.01	5.35e3	5.35e3	1.000	1.000	4.43	12.5	100.0	
28	28	13C8-PFOA	375.90	1.49e4	1.49e4	1.000	1.000	4.71	12.5	100.0	
29	29	13C4-PFOS	79.94	4.08e3	4.08e3	1.000	1.000	5.09	12.5	100.0	
30	30	13C9-PFNA	427.00	9.67e3	9.67e3	1.000	1.000	5.03	12.5	100.0	
31	31	13C6-PFDA	474.00	6.02e3	6.02e3	1.000	1.000	5.32	12.5	100.0	

PW
11/12/16

Printing Time: 11:07:31
Printing Date: Saturday, November 12, 2016

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3	161111J2_03	11/11/2016 16:51:46	ST161111J2-2 PFC CS(-1) 16K1115	PFC CS(-1) 16K1115 A
4	161111J2_04	11/11/2016 17:04:00	ST161111J2-3 PFC CS0 16K1116	PFC CS0 16K1116 A
5	161111J2_05	11/11/2016 17:16:11	ST161111J2-4 PFC CS1 16K1117	PFC CS1 16K1117 A
6	161111J2_06	11/11/2016 17:28:26	ST161111J2-5 PFC CS2 16K1118	PFC CS2 16K1118 A
7	161111J2_07	11/11/2016 17:40:40	ST161111J2-6 PFC CS3 16K1119	PFC CS3 16K1119 A
8	161111J2_08	11/11/2016 17:52:55	ST161111J2-7 PFC C3.5 16K1120	PFC C3.5 16K1120 A
9	161111J2_09	11/11/2016 18:05:09	ST161111J2-8 PFC CS4 16K1121	PFC CS4 16K1121 A
10	161111J2_10	11/11/2016 18:17:21	ST161111J2-9 PFC CS4.5 16K1122	PFC CS4.5 16K1122 A
11	161111J2_11	11/11/2016 18:29:38	ST161111J2-10 PFC CS5 16K1123	PFC CS5 16K1123 A
12	161111J2_12	11/11/2016 18:41:52	IPA	IPA
13	161111J2_13	11/11/2016 18:54:07	SS161111J2-1 PFC SSS 16J1810	PFC SSS 16J1810 A
14	161111J2_14	11/11/2016 19:06:23	IPA	IPA
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16	161111J2_16	11/11/2016 19:30:51	B6K0033-BS1	OPR
17	161111J2_17	11/11/2016 19:43:07	IPA	IPA
18	161111J2_18	11/11/2016 19:55:22	B6K0033-BLK1	Method Blank
19	161111J2_19	11/11/2016 20:07:37	B6K0030-BLK1	Method Blank
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21	161111J2_21	11/11/2016 20:32:00	1601384-02	WURTS_VAS01014-27-30
22	161111J2_22	11/11/2016 20:44:16	1601384-03	WURTS_VAS01014-37-40
23	161111J2_23	11/11/2016 20:56:27	1601384-04	WURTS_VAS01014-47-50
24	161111J2_24	11/11/2016 21:08:40	1601384-05	WURTS_VAS13004-20-23
25	161111J2_25	11/11/2016 21:20:55	1601384-06	WURTS_VAS13004-30-33
26	161111J2_26	11/11/2016 21:33:11	1601384-07	WURTS_VAS13004-40-43
27	161111J2_27	11/11/2016 21:45:25	1601384-08	WURTS_VAS13004-50-53
28	161111J2_28	11/11/2016 21:57:40	1601384-09	WURTS_VAS13005-26-29
29	161111J2_29	11/11/2016 22:09:56	1601384-10	WURTS_VAS13005-36-39
30	161111J2_30	11/11/2016 22:22:11	IPA	IPA
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37	161111J2_37	11/11/2016 23:47:49	1601386-03	WURTS_VAS01012-18-21
38	161111J2_38	11/12/2016 00:00:10	1601386-04	WURTS_VAS01012-18-21_FD
39	161111J2_39	11/12/2016 00:12:24	1601386-05	WURTS_VAS01012-28-31
40	161111J2_40	11/12/2016 00:24:39	1601386-06	WURTS_VAS01012-38-41
41	161111J2_41	11/12/2016 00:36:54	1601386-07	WURTS_VAS01012-48-51
42	161111J2_42	11/12/2016 00:49:08	1601386-08	WURTS_VAS01013-20-23
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47	161111J2_47	11/12/2016 01:50:17	1601386-10	WURTS_VAS01013-40-43
48	161111J2_48	11/12/2016 02:02:33	1601386-11	WURTS_VAS01013-50-53
49	161111J2_49	11/12/2016 02:14:49	1601386-12	WURTS_VAS01014-57-60
50	161111J2_50	11/12/2016 02:27:05	1601386-13	WURTS_EB005JH-102816
51	161111J2_51	11/12/2016 02:39:20	1601386-14	WURTS_VAS15010-40-43
52	161111J2_52	11/12/2016 02:51:36	1601386-15	WURTS_VAS15010-50-53
53	161111J2_53	11/12/2016 03:03:48	1601359-10	FB-M08-07_161025
54	161111J2_54	11/12/2016 03:16:02	B6K0033-MS1	Matrix Spike
55	161111J2_55	11/12/2016 03:28:18	B6K0033-MSD1	Matrix Spike Dup
56	161111J2_56	11/12/2016 03:40:31	IPA	IPA
57	161111J2_57	11/12/2016 03:52:46	ST161111J2-13 PFC C3.5 16K1120	PFC C3.5 16K0713 A
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Page 1 of 1

Vista Analytical Laboratory Q2

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Printed: Saturday, November 12, 2016 11:03:13 Pacific Standard Time

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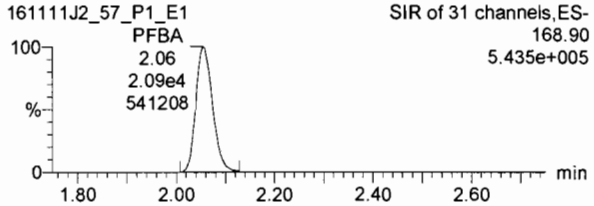

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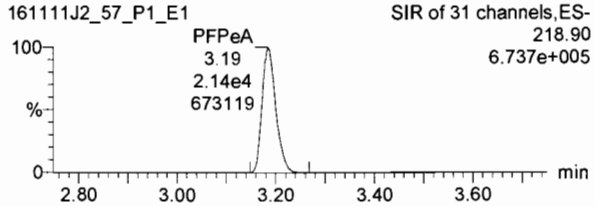

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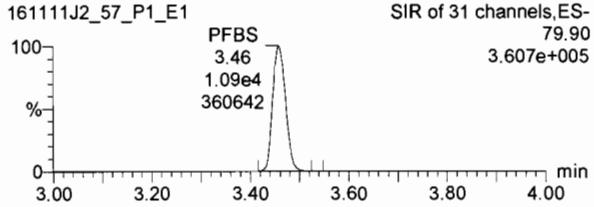

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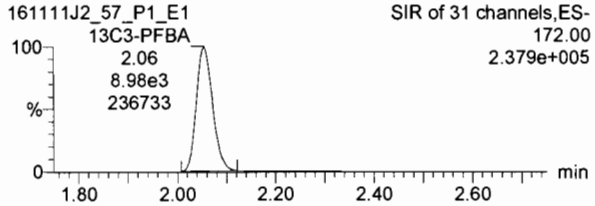

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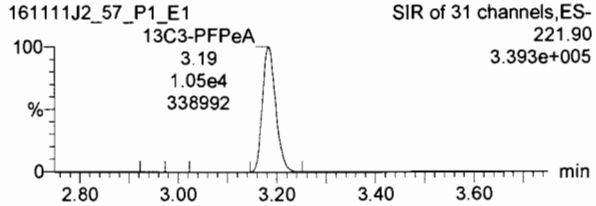

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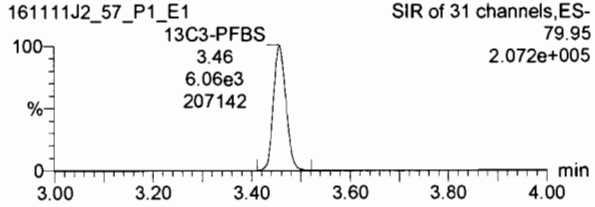

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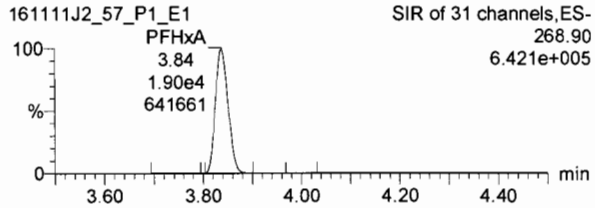

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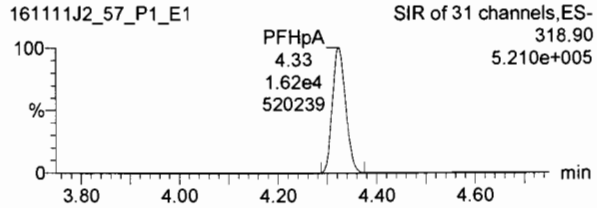

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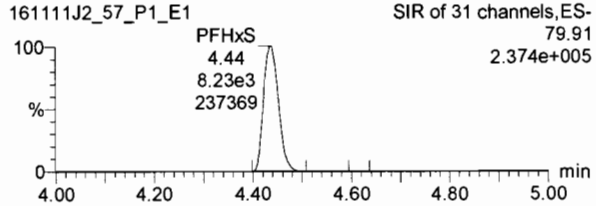

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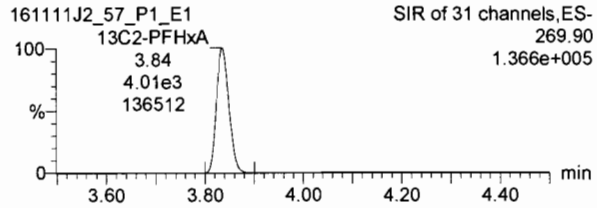

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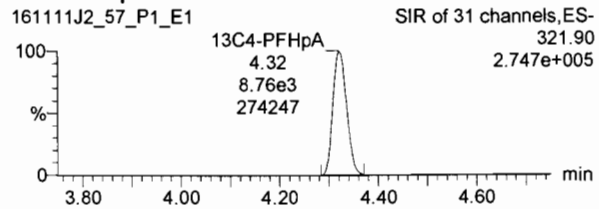

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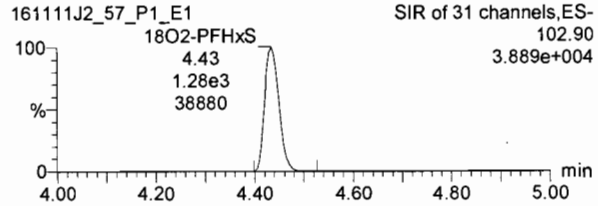

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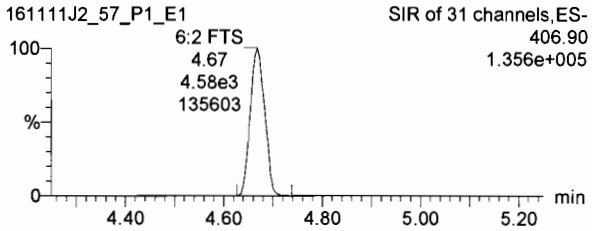
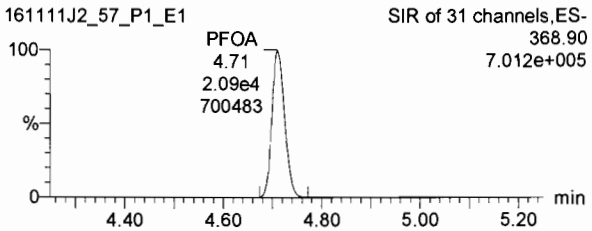
Last Altered: Saturday, November 12, 2016 11:02:58 Pacific Standard Time
Printed: Saturday, November 12, 2016 11:03:13 Pacific Standard Time

Name: 161111J2_57.wiff, Date: 12-Nov-2016, Time: 03:52:46, ID: ST161111J2-13 PFC C3.5 16K1120, Description: PFC C3.5 16K0713 A

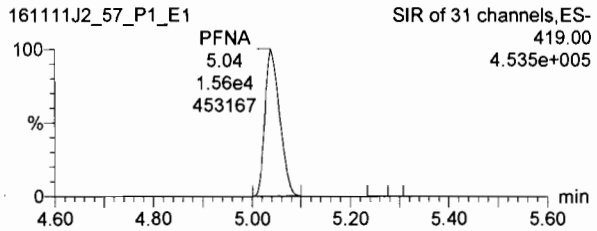
6:2 FTS



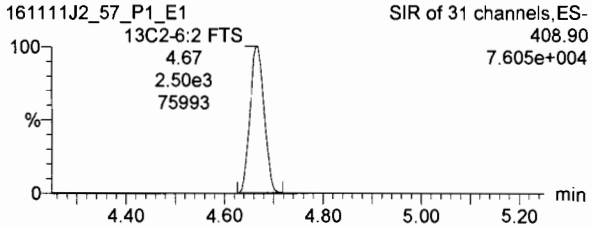
PFOA



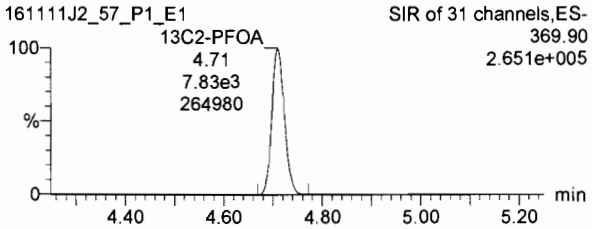
PFNA



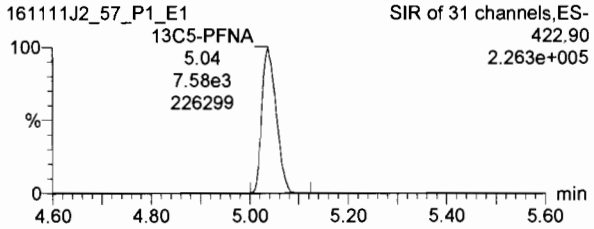
13C2-6:2 FTS



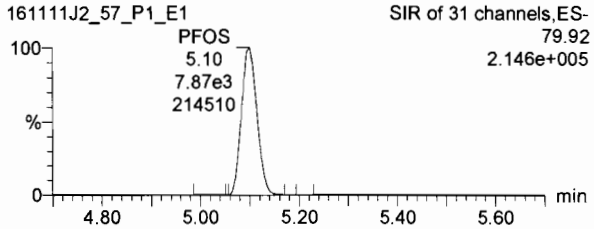
13C2-PFOA



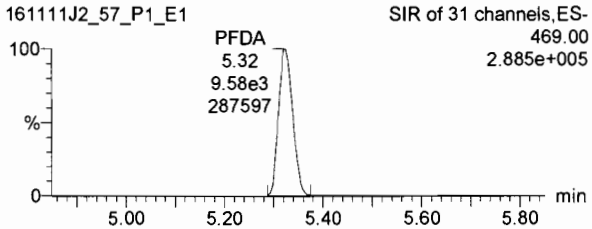
13C5-PFNA



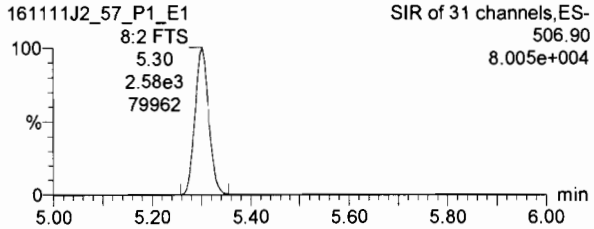
PFOS



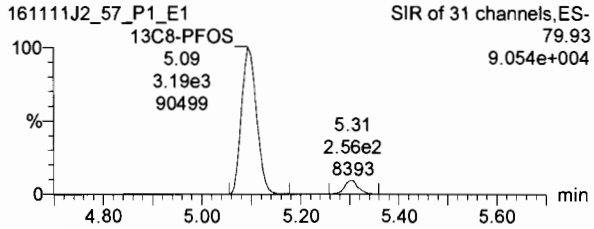
PFDA



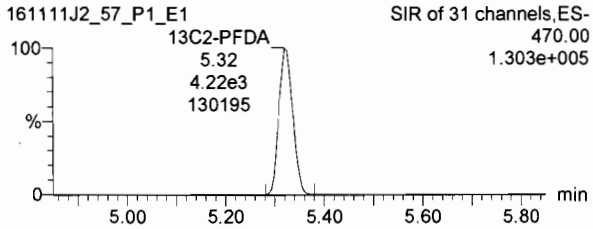
8:2 FTS



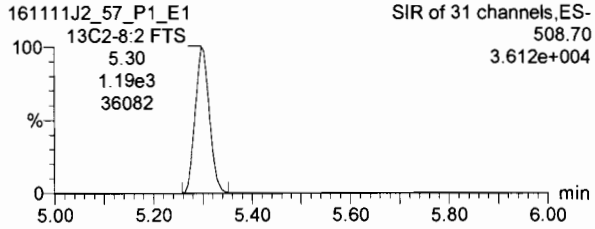
13C8-PFOS



13C2-PFDA



13C2-8:2 FTS

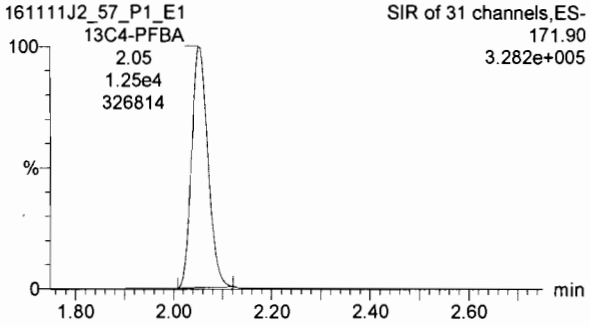


Dataset: U:\Q2.PRO\Results\161112J2\161111J2_57.qld

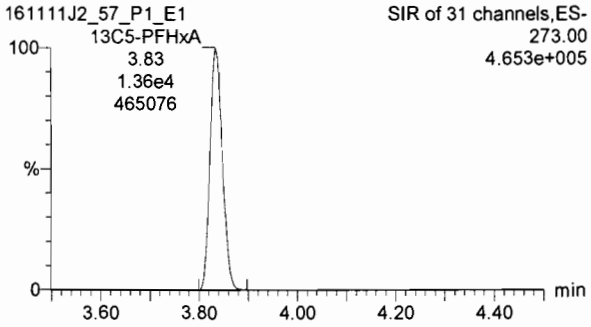
Last Altered: Saturday, November 12, 2016 11:02:58 Pacific Standard Time
Printed: Saturday, November 12, 2016 11:03:13 Pacific Standard Time

Name: 161111J2_57.wiff, Date: 12-Nov-2016, Time: 03:52:46, ID: ST161111J2-13 PFC C3.5 16K1120, Description: PFC C3.5 16K0713 A

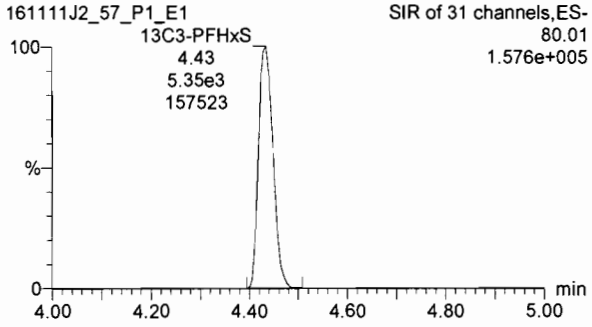
13C4-PFBA



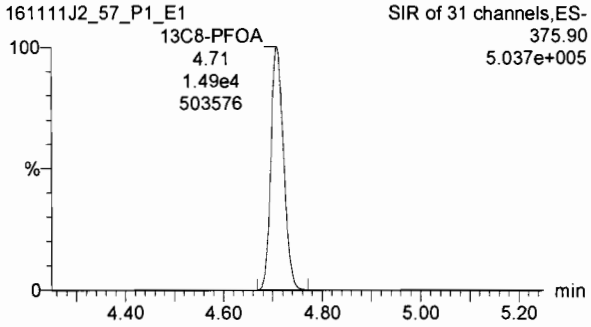
13C5-PFHxA



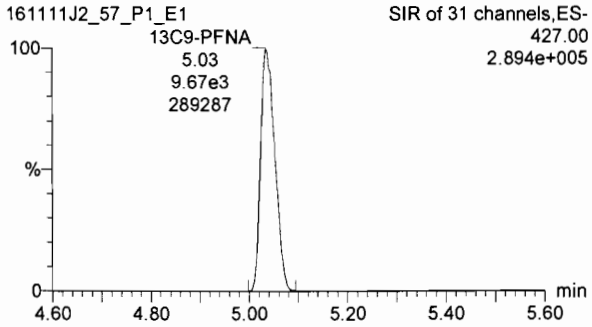
13C3-PFHxS



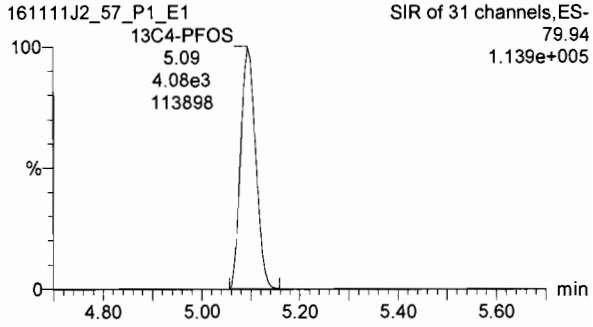
13C8-PFOA



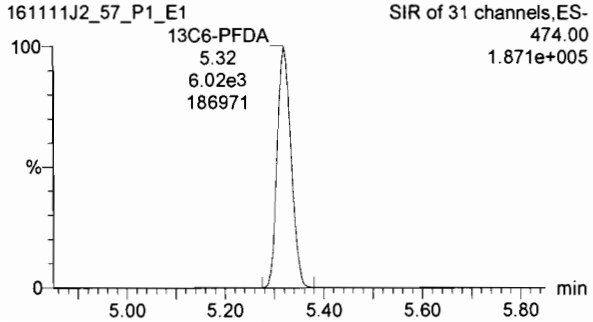
13C9-PFNA



13C4-PFOS



13C6-PFDA



INITIAL CALIBRATION

Quantify Compound Summary Report **MassLynx 4.1**
Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:23:42 Pacific Daylight Time

Scanned KC 11-1-16

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 28 Oct 2016 10:49:06
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 13:21:44

Compound name: PFBA
Correlation coefficient: r = 0.999461, r^2 = 0.998922
Calibration curve: 0.68025 * x + -0.00224366
Response type: Internal Std (Ref 13), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	0.125	1.75	2.80e2	1.84e4	0.283	1.52	126.4
2	2	161031G2_3	0.500	1.76	4.94e2	1.93e4	0.475	0.641	-5.0
3	3	161031G2_4	1.00	1.76	1.01e3	1.89e4	0.991	0.672	-0.9
4	4	161031G2_5	2.00	1.77	2.56e3	2.36e4	2.00	0.678	-0.2
5	5	161031G2_6	5.00	1.77	6.14e3	2.53e4	4.47	0.607	-10.6
6	6	161031G2_7	10.0	1.78	1.53e4	2.55e4	11.0	0.751	10.5
7	7	161031G2_8	25.0	1.76	2.81e4	1.97e4	26.2	0.713	4.9
8	8	161031G2_9	50.0	1.78	6.07e4	2.21e4	50.4	0.686	0.9
9	9	161031G2_10	75.0	1.77	8.44e4	2.07e4	75.1	0.681	0.1
10	10	161031G2_11	100	1.78	1.03e5	1.94e4	97.8	0.665	-2.2

AC 11/1/16

PLW 11/1/16

Compound name: PFPeA
Correlation coefficient: r = 0.999481, r^2 = 0.998962
Calibration curve: 0.813936 * x + -0.0179966
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	0.125	2.71	2.27e2	1.39e4	0.274	1.64	119.0
2	2	161031G2_3	0.500	2.71	4.19e2	1.45e4	0.466	0.722	-6.9
3	3	161031G2_4	1.00	2.71	8.68e2	1.42e4	0.960	0.763	-4.0
4	4	161031G2_5	2.00	2.71	2.33e3	1.95e4	1.85	0.745	-7.3
5	5	161031G2_6	5.00	2.71	5.58e3	1.96e4	4.39	0.712	-12.1
6	6	161031G2_7	10.0	2.71	1.36e4	1.94e4	10.8	0.875	7.8
7	7	161031G2_8	25.0	2.71	2.41e4	1.40e4	26.5	0.862	5.9
8	8	161031G2_9	50.0	2.71	5.22e4	1.59e4	50.6	0.823	1.2
9	9	161031G2_10	75.0	2.71	6.99e4	1.44e4	74.4	0.807	-0.8

Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:23:42 Pacific Daylight Time

Compound name: PFPeA

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
10	10 161031G2_11	100	2.71	8.60e4	1.34e4	98.6	0.802	-1.4

Compound name: PFBS
Correlation coefficient: r = 0.999367, r^2 = 0.998735
Calibration curve: 1.38406 * x + -0.0911461
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	0.125	2.97	1.35e2	5.87e3	0.274	2.30	119.0
2	2 161031G2_3	0.500	2.97	2.37e2	5.52e3	0.453	1.07	-9.3
3	3 161031G2_4	1.00	2.97	5.27e2	5.45e3	0.938	1.21	-6.2
4	4 161031G2_5	2.00	2.97	1.36e3	7.77e3	1.64	1.09	-17.9
5	5 161031G2_6	5.00	2.97	3.56e3	8.15e3	4.02	1.09	-19.7
6	6 161031G2_7	10.0	2.97	8.43e3	7.72e3	9.92	1.36	-0.8
7	7 161031G2_8	25.0	2.97	1.54e4	5.55e3	25.0	1.38	0.1
8	8 161031G2_9	50.0	2.97	3.34e4	6.10e3	49.5	1.37	-1.0
9	9 161031G2_10	75.0	2.97	4.71e4	5.64e3	75.5	1.39	0.7
10	10 161031G2_11	100	2.97	5.89e4	5.25e3	101	1.40	1.5

Compound name: PFHxA
Correlation coefficient: r = 0.999560, r^2 = 0.999121
Calibration curve: 0.583416 * x + 0.0113256
Response type: Internal Std (Ref 16), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	0.125	3.33	2.70e2	7.14e3	0.305	1.51	143.6
2	2 161031G2_3	0.500	3.33	4.48e2	7.12e3	0.520	0.629	3.9
3	3 161031G2_4	1.00	3.33	8.88e2	6.75e3	1.11	0.658	10.9
4	4 161031G2_5	2.00	3.33	2.23e3	9.15e3	2.07	0.610	3.5
5	5 161031G2_6	5.00	3.33	5.10e3	9.65e3	4.51	0.528	-9.8
6	6 161031G2_7	10.0	3.33	1.19e4	9.58e3	10.6	0.622	6.4
7	7 161031G2_8	25.0	3.33	2.15e4	7.18e3	25.6	0.597	2.3

Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:23:42 Pacific Daylight Time

Compound name: PFHxA

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
8	8 161031G2_9	50.0	3.33	4.80e4	8.46e3	48.6	0.567	-2.8
9	9 161031G2_10	75.0	3.33	6.44e4	7.17e3	76.9	0.599	2.6
10	10 161031G2_11	100	3.33	7.76e4	6.75e3	98.5	0.575	-1.5

Compound name: PFHpA
Correlation coefficient: r = 0.999484, r^2 = 0.998969
Calibration curve: 1.41793 * x + -0.0299716
Response type: Internal Std (Ref 17), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	0.125	3.84	5.59e2	1.95e4	0.274	2.87	119.3
2	2 161031G2_3	0.500	3.84	1.01e3	1.89e4	0.491	1.33	-1.8
3	3 161031G2_4	1.00	3.84	2.13e3	1.89e4	1.01	1.41	1.5
4	4 161031G2_5	2.00	3.84	5.53e3	2.70e4	1.83	1.28	-8.6
5	5 161031G2_6	5.00	3.84	1.32e4	2.77e4	4.22	1.19	-15.7
6	6 161031G2_7	10.0	3.84	3.07e4	2.59e4	10.5	1.48	4.9
7	7 161031G2_8	25.0	3.84	5.59e4	1.88e4	26.2	1.48	4.7
8	8 161031G2_9	50.0	3.84	1.21e5	2.19e4	48.6	1.38	-2.9
9	9 161031G2_10	75.0	3.84	1.59e5	1.85e4	75.8	1.43	1.0
10	10 161031G2_11	100	3.84	1.97e5	1.74e4	100	1.42	-0.0

Compound name: PFHxS
Correlation coefficient: r = 0.999820, r^2 = 0.999641
Calibration curve: 1.47313 * x + -0.0188609
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	0.125	3.97	2.26e2	6.32e3	0.317	3.58	153.5
2	2 161031G2_3	0.500	3.97	3.01e2	5.78e3	0.455	1.30	-9.1
3	3 161031G2_4	1.00	3.97	7.65e2	5.97e3	1.10	1.60	9.9
4	4 161031G2_5	2.00	3.97	1.68e3	7.61e3	1.89	1.38	-5.7
5	5 161031G2_6	5.00	3.97	4.11e3	7.74e3	4.52	1.33	-9.5

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:23:42 Pacific Daylight Time

Compound name: PFHxS

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
6	6 161031G2_7	10.0	3.97	9.31e3	7.65e3	10.3	1.52	3.4
7	7 161031G2_8	25.0	3.97	1.79e4	5.99e3	25.4	1.50	1.6
8	8 161031G2_9	50.0	3.97	3.77e4	6.47e3	49.4	1.46	-1.2
9	9 161031G2_10	75.0	3.97	5.18e4	5.87e3	74.9	1.47	-0.1
10	10 161031G2_11	100	3.97	6.57e4	5.55e3	100	1.48	0.4

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.995986
Calibration curve: -0.00237607 * x^2 + 0.658455 * x + -0.0238852
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	0.125	4.22	4.80e1	4.02e3	0.263	1.19	110.5
2	2 161031G2_3	0.500	4.22	1.48e2	4.68e3	0.636	0.787	27.1
3	3 161031G2_4	1.00	4.22	1.57e2	4.37e3	0.720	0.449	-28.0
4	4 161031G2_5	2.00	4.21	5.59e2	5.75e3	1.90	0.608	-5.2
5	5 161031G2_6	5.00	4.21	1.13e3	4.60e3	4.80	0.617	-3.9
6	6 161031G2_7	10.0	4.22	3.08e3	5.43e3	11.3	0.709	12.6
7	7 161031G2_8	25.0	4.22	5.94e3	5.35e3	23.0	0.554	-8.0
8	8 161031G2_9	50.0	4.22	1.31e4	5.81e3	53.1	0.565	6.2
9	9 161031G2_10	75.0	4.22	1.84e4	6.51e3	73.1	0.472	-2.5
10	10 161031G2_11	100	4.21	2.54e4	6.76e3		0.469	

Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:23:42 Pacific Daylight Time

Compound name: PFOA
Correlation coefficient: r = 0.999034, r^2 = 0.998070
Calibration curve: 0.909667 * x + 0.0149722
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	0.125	4.27	7.77e2	3.38e4	0.299	2.30	139.1
2	2 161031G2_3	0.500	4.27	1.17e3	3.23e4	0.484	0.910	-3.2
3	3 161031G2_4	1.00	4.27	2.57e3	3.39e4	1.03	0.949	2.7
4	4 161031G2_5	2.00	4.27	6.23e3	3.92e4	2.17	0.993	8.3
5	5 161031G2_6	5.00	4.27	1.27e4	3.89e4	4.47	0.817	-10.5
6	6 161031G2_7	10.0	4.27	3.26e4	4.02e4	11.1	1.01	11.3
7	7 161031G2_8	25.0	4.27	6.29e4	3.26e4	26.5	0.963	5.8
8	8 161031G2_9	50.0	4.27	1.26e5	3.44e4	50.5	0.918	0.9
9	9 161031G2_10	75.0	4.27	1.69e5	3.04e4	76.6	0.929	2.1
10	10 161031G2_11	100	4.27	2.08e5	2.98e4	95.7	0.871	-4.3

Compound name: PFOS
Correlation coefficient: r = 0.997673, r^2 = 0.995352
Calibration curve: 0.860271 * x + -0.0456852
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	0.125	4.68	4.35e1	6.51e3	0.150	0.667	20.1
2	2 161031G2_3	0.500	4.68	1.51e2	6.84e3	0.375	0.554	-25.0
3	3 161031G2_4	1.00	4.68	4.35e2	6.84e3	0.977	0.795	-2.3
4	4 161031G2_5	2.00	4.68	6.62e2	5.97e3	1.66	0.693	-16.8
5	5 161031G2_6	5.00	4.68	1.73e3	5.84e3	4.36	0.741	-12.8
6	6 161031G2_7	10.0	4.68	4.20e3	6.58e3	9.33	0.798	-6.7
7	7 161031G2_8	25.0	4.68	1.22e4	7.03e3	25.3	0.867	1.0
8	8 161031G2_9	50.0	4.68	2.01e4	5.79e3	50.5	0.867	0.9
9	9 161031G2_10	75.0	4.68	2.73e4	5.76e3	69.0	0.791	-8.0
10	10 161031G2_11	100	4.68	3.99e4	5.42e3	107	0.921	7.1

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Compound name: PFNA
Correlation coefficient: r = 0.999491, r^2 = 0.998982
Calibration curve: 1.82913 * x + -0.0603589
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	0.125	4.62	3.93e2	1.18e4	0.260	3.32	108.1
2	2	161031G2_3	0.500	4.61	7.89e2	1.24e4	0.468	1.59	-6.5
3	3	161031G2_4	1.00	4.61	1.64e3	1.29e4	0.905	1.60	-9.5
4	4	161031G2_5	2.00	4.61	3.81e3	1.34e4	1.98	1.78	-1.0
5	5	161031G2_6	5.00	4.61	9.10e3	1.53e4	4.10	1.49	-18.0
6	6	161031G2_7	10.0	4.61	2.25e4	1.44e4	10.7	1.96	7.3
7	7	161031G2_8	25.0	4.61	4.87e4	1.31e4	25.4	1.85	1.5
8	8	161031G2_9	50.0	4.61	9.78e4	1.33e4	50.1	1.83	0.3
9	9	161031G2_10	75.0	4.61	1.28e5	1.19e4	73.9	1.80	-1.5
10	10	161031G2_11	100	4.61	1.71e5	1.16e4	101	1.85	0.9

Compound name: PFDA
Correlation coefficient: r = 0.999184, r^2 = 0.998369
Calibration curve: 0.639934 * x + -0.0168263
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	0.125	4.90	2.00e2	1.23e4	0.344	1.62	174.8
2	2	161031G2_3	0.500	4.90	2.37e2	1.16e4	0.427	0.513	-14.6
3	3	161031G2_4	1.00	4.90	7.00e2	1.25e4	1.12	0.698	11.7
4	4	161031G2_5	2.00	4.91	8.69e2	1.02e4	1.69	0.531	-15.7
5	5	161031G2_6	5.00	4.90	2.20e3	9.53e3	4.53	0.576	-9.4
6	6	161031G2_7	10.0	4.90	5.28e3	1.04e4	9.96	0.636	-0.4
7	7	161031G2_8	25.0	4.91	1.90e4	1.35e4	27.5	0.703	10.0
8	8	161031G2_9	50.0	4.90	2.82e4	1.11e4	49.8	0.637	-0.5
9	9	161031G2_10	75.0	4.90	3.95e4	1.06e4	73.1	0.623	-2.6
10	10	161031G2_11	100	4.90	5.75e4	1.12e4	100	0.643	0.5

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Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.998338
Calibration curve: -0.00108686 * x^2 + 0.603513 * x + -0.00649023
Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	0.125	4.89	1.02e1	4.04e3	0.0632	0.253	-49.4
2	2 161031G2_3	0.500	4.88	7.10e1	3.52e3	0.430	0.505	-14.1
3	3 161031G2_4	1.00	4.88	2.05e2	3.75e3	1.14	0.683	14.4
4	4 161031G2_5	2.00	4.88	3.27e2	3.64e3	1.88	0.561	-6.2
5	5 161031G2_6	5.00	4.88	6.54e2	3.10e3	4.41	0.527	-11.7
6	6 161031G2_7	10.0	4.88	1.86e3	3.58e3	11.0	0.648	9.7
7	7 161031G2_8	25.0	4.88	5.44e3	4.68e3	25.2	0.581	1.0
8	8 161031G2_9	50.0	4.88	7.39e3	3.45e3	48.7	0.536	-2.7
9	9 161031G2_10	75.0	4.88	1.13e4	3.57e3	75.8	0.527	1.1
10	10 161031G2_11	100	4.88	1.37e4	3.78e3	89.5	0.453	-10.5

Compound name: 13C3-PFBA
Response Factor: 0.960091
RRF SD: 0.0428692, Relative SD: 4.46512
Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	1.75	1.84e4	2.12e4	11.3	0.869	-9.5
2	2 161031G2_3	12.5	1.75	1.93e4	1.96e4	12.8	0.983	2.4
3	3 161031G2_4	12.5	1.76	1.89e4	2.04e4	12.1	0.926	-3.5
4	4 161031G2_5	12.5	1.77	2.36e4	2.55e4	12.1	0.928	-3.3
5	5 161031G2_6	12.5	1.77	2.53e4	2.58e4	12.7	0.978	1.9
6	6 161031G2_7	12.5	1.77	2.55e4	2.63e4	12.6	0.967	0.7
7	7 161031G2_8	12.5	1.76	1.97e4	2.06e4	12.4	0.954	-0.6
8	8 161031G2_9	12.5	1.77	2.21e4	2.18e4	13.2	1.01	5.5
9	9 161031G2_10	12.5	1.77	2.07e4	2.11e4	12.7	0.978	1.8
10	10 161031G2_11	12.5	1.77	1.94e4	1.93e4	13.1	1.00	4.6

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Compound name: 13C3-PFPeA
Response Factor: 0.526437
RRF SD: 0.0235287, Relative SD: 4.46942
Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	2.71	1.39e4	2.94e4	11.2	0.472	-10.4
2	2 161031G2_3	12.5	2.71	1.45e4	2.79e4	12.3	0.519	-1.4
3	3 161031G2_4	12.5	2.71	1.42e4	2.75e4	12.3	0.517	-1.8
4	4 161031G2_5	12.5	2.71	1.95e4	3.57e4	13.0	0.547	3.9
5	5 161031G2_6	12.5	2.71	1.96e4	3.66e4	12.7	0.536	1.8
6	6 161031G2_7	12.5	2.71	1.94e4	3.54e4	13.0	0.548	4.1
7	7 161031G2_8	12.5	2.71	1.40e4	2.71e4	12.3	0.517	-1.7
8	8 161031G2_9	12.5	2.71	1.59e4	3.04e4	12.4	0.522	-0.8
9	9 161031G2_10	12.5	2.71	1.44e4	2.71e4	12.7	0.533	1.2
10	10 161031G2_11	12.5	2.71	1.34e4	2.42e4	13.1	0.554	5.1

Compound name: 13C3-PFBS
Response Factor: 0.208518
RRF SD: 0.00950459, Relative SD: 4.55817
Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	2.97	5.87e3	2.94e4	12.0	0.200	-4.1
2	2 161031G2_3	12.5	2.97	5.52e3	2.79e4	11.9	0.198	-5.2
3	3 161031G2_4	12.5	2.97	5.45e3	2.75e4	11.9	0.198	-4.8
4	4 161031G2_5	12.5	2.97	7.77e3	3.57e4	13.1	0.218	4.4
5	5 161031G2_6	12.5	2.97	8.15e3	3.66e4	13.4	0.223	6.8
6	6 161031G2_7	12.5	2.97	7.72e3	3.54e4	13.1	0.218	4.6
7	7 161031G2_8	12.5	2.97	5.55e3	2.71e4	12.3	0.205	-1.7
8	8 161031G2_9	12.5	2.97	6.10e3	3.04e4	12.0	0.201	-3.8
9	9 161031G2_10	12.5	2.97	5.64e3	2.71e4	12.5	0.208	-0.2
10	10 161031G2_11	12.5	2.97	5.25e3	2.42e4	13.0	0.217	4.0

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Compound name: 13C2-PFHxA
Response Factor: 0.655239
RRF SD: 0.0306909, Relative SD: 4.68393
Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	5.00	3.33	7.14e3	2.94e4	4.64	0.607	-7.3
2	2 161031G2_3	5.00	3.33	7.12e3	2.79e4	4.86	0.637	-2.7
3	3 161031G2_4	5.00	3.33	6.75e3	2.75e4	4.68	0.614	-6.4
4	4 161031G2_5	5.00	3.33	9.15e3	3.57e4	4.89	0.641	-2.2
5	5 161031G2_6	5.00	3.33	9.65e3	3.66e4	5.03	0.659	0.6
6	6 161031G2_7	5.00	3.33	9.58e3	3.54e4	5.16	0.676	3.2
7	7 161031G2_8	5.00	3.33	7.18e3	2.71e4	5.06	0.663	1.2
8	8 161031G2_9	5.00	3.33	8.46e3	3.04e4	5.31	0.696	6.2
9	9 161031G2_10	5.00	3.33	7.17e3	2.71e4	5.05	0.662	1.0
10	10 161031G2_11	5.00	3.33	6.75e3	2.42e4	5.32	0.697	6.4

Compound name: 13C4-PFHpA
Response Factor: 1.90441
RRF SD: 0.176698, Relative SD: 9.27835
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	3.84	1.95e4	1.14e4	11.3	1.72	-9.9
2	2 161031G2_3	12.5	3.84	1.89e4	1.07e4	11.6	1.76	-7.5
3	3 161031G2_4	12.5	3.84	1.89e4	1.13e4	11.0	1.68	-12.0
4	4 161031G2_5	12.5	3.84	2.70e4	1.28e4	13.8	2.11	10.8
5	5 161031G2_6	12.5	3.84	2.77e4	1.30e4	14.0	2.14	12.3
6	6 161031G2_7	12.5	3.84	2.59e4	1.29e4	13.2	2.01	5.4
7	7 161031G2_8	12.5	3.84	1.88e4	1.03e4	12.0	1.84	-3.6
8	8 161031G2_9	12.5	3.84	2.19e4	1.03e4	14.0	2.13	11.6
9	9 161031G2_10	12.5	3.84	1.85e4	9.85e3	12.3	1.87	-1.6
10	10 161031G2_11	12.5	3.84	1.74e4	9.65e3	11.8	1.80	-5.5

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Compound name: 18O2-PFHxS
Response Factor: 0.579645
RRF SD: 0.0295666, Relative SD: 5.1008
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	3.97	6.32e3	1.14e4	12.0	0.556	-4.0
2	2 161031G2_3	12.5	3.96	5.78e3	1.07e4	11.7	0.540	-6.8
3	3 161031G2_4	12.5	3.97	5.97e3	1.13e4	11.4	0.530	-8.5
4	4 161031G2_5	12.5	3.97	7.61e3	1.28e4	12.8	0.595	2.7
5	5 161031G2_6	12.5	3.97	7.74e3	1.30e4	12.9	0.597	3.0
6	6 161031G2_7	12.5	3.96	7.65e3	1.29e4	12.8	0.594	2.5
7	7 161031G2_8	12.5	3.97	5.99e3	1.03e4	12.6	0.584	0.7
8	8 161031G2_9	12.5	3.97	6.47e3	1.03e4	13.5	0.628	8.3
9	9 161031G2_10	12.5	3.97	5.87e3	9.85e3	12.9	0.596	2.8
10	10 161031G2_11	12.5	3.97	5.55e3	9.65e3	12.4	0.576	-0.7

Compound name: 13C2-6:2 FTS
Response Factor: 0.896189
RRF SD: 0.116569, Relative SD: 13.0072
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	4.22	4.02e3	5.12e3	11.0	0.785	-12.4
2	2 161031G2_3	12.5	4.22	4.68e3	4.88e3	13.4	0.959	7.0
3	3 161031G2_4	12.5	4.22	4.37e3	5.08e3	12.0	0.861	-4.0
4	4 161031G2_5	12.5	4.22	5.75e3	6.44e3	12.5	0.893	-0.3
5	5 161031G2_6	12.5	4.21	4.60e3	6.65e3	9.64	0.691	-22.9
6	6 161031G2_7	12.5	4.21	5.43e3	6.58e3	11.5	0.826	-7.8
7	7 161031G2_8	12.5	4.22	5.35e3	5.54e3	13.5	0.966	7.8
8	8 161031G2_9	12.5	4.22	5.81e3	6.56e3	12.4	0.887	-1.1
9	9 161031G2_10	12.5	4.22	6.51e3	6.59e3	13.8	0.987	10.1
10	10 161031G2_11	12.5	4.22	6.76e3	6.11e3	15.4	1.11	23.5

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Compound name: 13C2-PFOA
Response Factor: 2.32598
RRF SD: 0.105036, Relative SD: 4.51575
Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	12.5	4.27	3.38e4	1.48e4	12.3	2.28	-1.8
2	2	161031G2_3	12.5	4.27	3.23e4	1.38e4	12.5	2.33	0.2
3	3	161031G2_4	12.5	4.27	3.39e4	1.56e4	11.6	2.17	-6.9
4	4	161031G2_5	12.5	4.27	3.92e4	1.68e4	12.6	2.34	0.5
5	5	161031G2_6	12.5	4.27	3.89e4	1.71e4	12.2	2.27	-2.3
6	6	161031G2_7	12.5	4.27	4.02e4	1.69e4	12.8	2.38	2.5
7	7	161031G2_8	12.5	4.27	3.26e4	1.48e4	11.9	2.21	-5.1
8	8	161031G2_9	12.5	4.27	3.44e4	1.40e4	13.2	2.45	5.5
9	9	161031G2_10	12.5	4.27	3.04e4	1.32e4	12.4	2.31	-0.6
10	10	161031G2_11	12.5	4.27	2.98e4	1.19e4	13.5	2.51	8.0

Compound name: 13C8-PFOS
Response Factor: 0.982471
RRF SD: 0.0819365, Relative SD: 8.33985
Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	12.5	4.68	6.51e3	7.51e3	11.0	0.867	-11.8
2	2	161031G2_3	12.5	4.68	6.84e3	6.83e3	12.7	1.00	1.9
3	3	161031G2_4	12.5	4.68	6.84e3	7.62e3	11.4	0.898	-8.6
4	4	161031G2_5	12.5	4.68	5.97e3	5.45e3	13.9	1.10	11.6
5	5	161031G2_6	12.5	4.68	5.84e3	6.19e3	12.0	0.943	-4.0
6	6	161031G2_7	12.5	4.68	6.58e3	6.30e3	13.3	1.04	6.3
7	7	161031G2_8	12.5	4.68	7.03e3	7.06e3	12.7	0.995	1.3
8	8	161031G2_9	12.5	4.68	5.79e3	5.88e3	12.5	0.985	0.2
9	9	161031G2_10	12.5	4.68	5.76e3	5.24e3	14.0	1.10	11.9
10	10	161031G2_11	12.5	4.68	5.42e3	6.04e3	11.4	0.896	-8.8

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Compound name: 13C5-PFNA
Response Factor: 1.03764
RRF SD: 0.0552455, Relative SD: 5.32416
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	4.61	1.18e4	1.27e4	11.2	0.928	-10.5
2	2 161031G2_3	12.5	4.61	1.24e4	1.20e4	12.5	1.04	-0.1
3	3 161031G2_4	12.5	4.61	1.29e4	1.26e4	12.3	1.02	-1.7
4	4 161031G2_5	12.5	4.61	1.34e4	1.26e4	12.8	1.06	2.1
5	5 161031G2_6	12.5	4.61	1.53e4	1.39e4	13.2	1.10	5.8
6	6 161031G2_7	12.5	4.61	1.44e4	1.40e4	12.4	1.03	-0.8
7	7 161031G2_8	12.5	4.61	1.31e4	1.31e4	12.1	1.00	-3.3
8	8 161031G2_9	12.5	4.61	1.33e4	1.19e4	13.5	1.12	8.3
9	9 161031G2_10	12.5	4.61	1.19e4	1.18e4	12.1	1.00	-3.3
10	10 161031G2_11	12.5	4.61	1.16e4	1.08e4	12.9	1.07	3.4

Compound name: 13C2-PFDA
Response Factor: 1.05258
RRF SD: 0.0623507, Relative SD: 5.9236
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	4.90	1.23e4	1.31e4	11.1	0.939	-10.8
2	2 161031G2_3	12.5	4.90	1.16e4	1.12e4	12.2	1.03	-2.2
3	3 161031G2_4	12.5	4.90	1.25e4	1.28e4	11.6	0.978	-7.1
4	4 161031G2_5	12.5	4.90	1.02e4	9.31e3	13.1	1.10	4.4
5	5 161031G2_6	12.5	4.90	9.53e3	8.94e3	12.7	1.07	1.3
6	6 161031G2_7	12.5	4.90	1.04e4	9.51e3	13.0	1.09	3.7
7	7 161031G2_8	12.5	4.91	1.35e4	1.31e4	12.3	1.03	-1.8
8	8 161031G2_9	12.5	4.90	1.11e4	9.78e3	13.5	1.13	7.6
9	9 161031G2_10	12.5	4.90	1.06e4	1.02e4	12.3	1.03	-1.8
10	10 161031G2_11	12.5	4.90	1.12e4	9.97e3	13.3	1.12	6.6

Vista Analytical Laboratory Q1

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Compound name: 13C2-8:2 FTS
Response Factor: 0.635406
RRF SD: 0.128256, Relative SD: 20.1849
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	4.88	4.04e3	5.12e3	15.5	0.790	24.3
2	2 161031G2_3	12.5	4.88	3.52e3	4.88e3	14.2	0.720	13.3
3	3 161031G2_4	12.5	4.88	3.75e3	5.08e3	14.5	0.739	16.3
4	4 161031G2_5	12.5	4.88	3.64e3	6.44e3	11.1	0.566	-11.0
5	5 161031G2_6	12.5	4.88	3.10e3	6.65e3	9.17	0.466	-26.6
6	6 161031G2_7	12.5	4.88	3.58e3	6.58e3	10.7	0.545	-14.3
7	7 161031G2_8	12.5	4.88	4.68e3	5.54e3	16.6	0.844	32.8
8	8 161031G2_9	12.5	4.88	3.45e3	6.56e3	10.3	0.526	-17.2
9	9 161031G2_10	12.5	4.88	3.57e3	6.59e3	10.6	0.541	-14.8
10	10 161031G2_11	12.5	4.88	3.78e3	6.11e3	12.2	0.618	-2.8

Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	1.75	2.12e4	2.12e4	12.5	1.00	0.0
2	2 161031G2_3	12.5	1.75	1.96e4	1.96e4	12.5	1.00	0.0
3	3 161031G2_4	12.5	1.75	2.04e4	2.04e4	12.5	1.00	0.0
4	4 161031G2_5	12.5	1.77	2.55e4	2.55e4	12.5	1.00	0.0
5	5 161031G2_6	12.5	1.77	2.58e4	2.58e4	12.5	1.00	0.0
6	6 161031G2_7	12.5	1.77	2.63e4	2.63e4	12.5	1.00	0.0
7	7 161031G2_8	12.5	1.76	2.06e4	2.06e4	12.5	1.00	0.0
8	8 161031G2_9	12.5	1.77	2.18e4	2.18e4	12.5	1.00	0.0
9	9 161031G2_10	12.5	1.77	2.11e4	2.11e4	12.5	1.00	0.0
10	10 161031G2_11	12.5	1.77	1.93e4	1.93e4	12.5	1.00	0.0

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Compound name: 13C2-4:2 FTS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	12.5	3.26	5.12e3	5.12e3	12.5	1.00	0.0
2	2	161031G2_3	12.5	3.26	4.88e3	4.88e3	12.5	1.00	0.0
3	3	161031G2_4	12.5	3.26	5.08e3	5.08e3	12.5	1.00	0.0
4	4	161031G2_5	12.5	3.26	6.44e3	6.44e3	12.5	1.00	0.0
5	5	161031G2_6	12.5	3.25	6.65e3	6.65e3	12.5	1.00	0.0
6	6	161031G2_7	12.5	3.26	6.58e3	6.58e3	12.5	1.00	0.0
7	7	161031G2_8	12.5	3.26	5.54e3	5.54e3	12.5	1.00	0.0
8	8	161031G2_9	12.5	3.26	6.56e3	6.56e3	12.5	1.00	0.0
9	9	161031G2_10	12.5	3.26	6.59e3	6.59e3	12.5	1.00	0.0
10	10	161031G2_11	12.5	3.26	6.11e3	6.11e3	12.5	1.00	0.0

Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	12.5	3.33	2.94e4	2.94e4	12.5	1.00	0.0
2	2	161031G2_3	12.5	3.33	2.79e4	2.79e4	12.5	1.00	0.0
3	3	161031G2_4	12.5	3.33	2.75e4	2.75e4	12.5	1.00	0.0
4	4	161031G2_5	12.5	3.33	3.57e4	3.57e4	12.5	1.00	0.0
5	5	161031G2_6	12.5	3.33	3.66e4	3.66e4	12.5	1.00	0.0
6	6	161031G2_7	12.5	3.33	3.54e4	3.54e4	12.5	1.00	0.0
7	7	161031G2_8	12.5	3.33	2.71e4	2.71e4	12.5	1.00	0.0
8	8	161031G2_9	12.5	3.33	3.04e4	3.04e4	12.5	1.00	0.0
9	9	161031G2_10	12.5	3.33	2.71e4	2.71e4	12.5	1.00	0.0
10	10	161031G2_11	12.5	3.33	2.42e4	2.42e4	12.5	1.00	0.0

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Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	3.97	1.14e4	1.14e4	12.5	1.00	0.0
2	2 161031G2_3	12.5	3.97	1.07e4	1.07e4	12.5	1.00	0.0
3	3 161031G2_4	12.5	3.97	1.13e4	1.13e4	12.5	1.00	0.0
4	4 161031G2_5	12.5	3.97	1.28e4	1.28e4	12.5	1.00	0.0
5	5 161031G2_6	12.5	3.97	1.30e4	1.30e4	12.5	1.00	0.0
6	6 161031G2_7	12.5	3.97	1.29e4	1.29e4	12.5	1.00	0.0
7	7 161031G2_8	12.5	3.97	1.03e4	1.03e4	12.5	1.00	0.0
8	8 161031G2_9	12.5	3.97	1.03e4	1.03e4	12.5	1.00	0.0
9	9 161031G2_10	12.5	3.97	9.85e3	9.85e3	12.5	1.00	0.0
10	10 161031G2_11	12.5	3.97	9.65e3	9.65e3	12.5	1.00	0.0

Compound name: 13C8-PFOA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	4.27	1.48e4	1.48e4	12.5	1.00	0.0
2	2 161031G2_3	12.5	4.27	1.38e4	1.38e4	12.5	1.00	0.0
3	3 161031G2_4	12.5	4.27	1.56e4	1.56e4	12.5	1.00	0.0
4	4 161031G2_5	12.5	4.27	1.68e4	1.68e4	12.5	1.00	0.0
5	5 161031G2_6	12.5	4.27	1.71e4	1.71e4	12.5	1.00	0.0
6	6 161031G2_7	12.5	4.27	1.69e4	1.69e4	12.5	1.00	0.0
7	7 161031G2_8	12.5	4.27	1.48e4	1.48e4	12.5	1.00	0.0
8	8 161031G2_9	12.5	4.27	1.40e4	1.40e4	12.5	1.00	0.0
9	9 161031G2_10	12.5	4.27	1.32e4	1.32e4	12.5	1.00	0.0
10	10 161031G2_11	12.5	4.27	1.19e4	1.19e4	12.5	1.00	0.0

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Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	4.68	7.51e3	7.51e3	12.5	1.00	0.0
2	2 161031G2_3	12.5	4.68	6.83e3	6.83e3	12.5	1.00	0.0
3	3 161031G2_4	12.5	4.68	7.62e3	7.62e3	12.5	1.00	0.0
4	4 161031G2_5	12.5	4.68	5.45e3	5.45e3	12.5	1.00	0.0
5	5 161031G2_6	12.5	4.68	6.19e3	6.19e3	12.5	1.00	0.0
6	6 161031G2_7	12.5	4.68	6.30e3	6.30e3	12.5	1.00	0.0
7	7 161031G2_8	12.5	4.68	7.06e3	7.06e3	12.5	1.00	0.0
8	8 161031G2_9	12.5	4.68	5.88e3	5.88e3	12.5	1.00	0.0
9	9 161031G2_10	12.5	4.68	5.24e3	5.24e3	12.5	1.00	0.0
10	10 161031G2_11	12.5	4.68	6.04e3	6.04e3	12.5	1.00	0.0

Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: RF

	#-Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1 161031G2_2	12.5	4.61	1.27e4	1.27e4	12.5	1.00	0.0
2	2 161031G2_3	12.5	4.61	1.20e4	1.20e4	12.5	1.00	0.0
3	3 161031G2_4	12.5	4.61	1.26e4	1.26e4	12.5	1.00	0.0
4	4 161031G2_5	12.5	4.61	1.26e4	1.26e4	12.5	1.00	0.0
5	5 161031G2_6	12.5	4.61	1.39e4	1.39e4	12.5	1.00	0.0
6	6 161031G2_7	12.5	4.61	1.40e4	1.40e4	12.5	1.00	0.0
7	7 161031G2_8	12.5	4.61	1.31e4	1.31e4	12.5	1.00	0.0
8	8 161031G2_9	12.5	4.61	1.19e4	1.19e4	12.5	1.00	0.0
9	9 161031G2_10	12.5	4.61	1.18e4	1.18e4	12.5	1.00	0.0
10	10 161031G2_11	12.5	4.61	1.08e4	1.08e4	12.5	1.00	0.0

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Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF	%Dev
1	1	161031G2_2	12.5	4.90	1.31e4	1.31e4	12.5	1.00	0.0
2	2	161031G2_3	12.5	4.90	1.12e4	1.12e4	12.5	1.00	0.0
3	3	161031G2_4	12.5	4.90	1.28e4	1.28e4	12.5	1.00	0.0
4	4	161031G2_5	12.5	4.90	9.31e3	9.31e3	12.5	1.00	0.0
5	5	161031G2_6	12.5	4.90	8.94e3	8.94e3	12.5	1.00	0.0
6	6	161031G2_7	12.5	4.90	9.51e3	9.51e3	12.5	1.00	0.0
7	7	161031G2_8	12.5	4.90	1.31e4	1.31e4	12.5	1.00	0.0
8	8	161031G2_9	12.5	4.90	9.78e3	9.78e3	12.5	1.00	0.0
9	9	161031G2_10	12.5	4.90	1.02e4	1.02e4	12.5	1.00	0.0
10	10	161031G2_11	12.5	4.90	9.97e3	9.97e3	12.5	1.00	0.0

Quantify Calibration Report **MassLynx 4.1**
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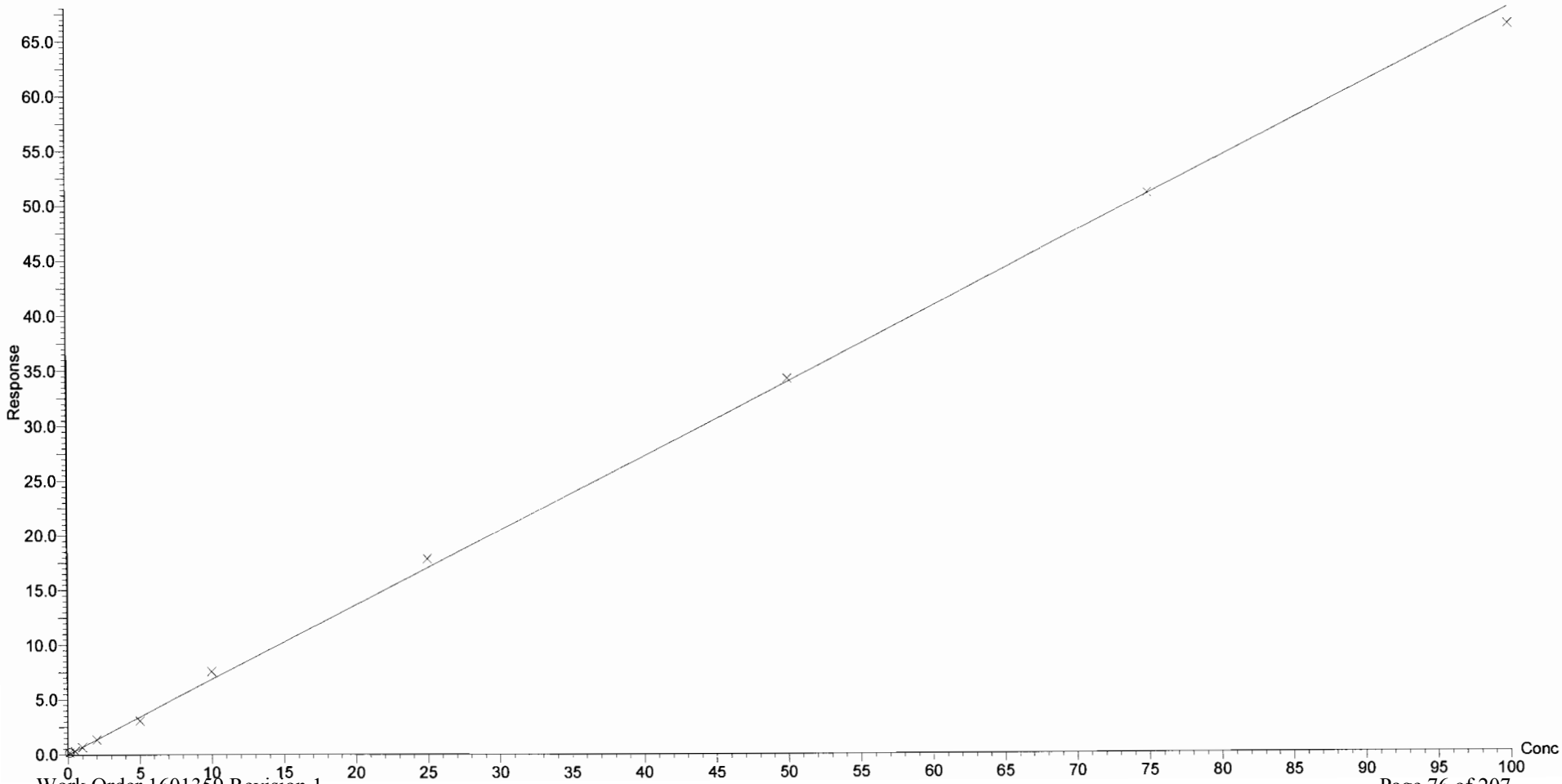
Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 28 Oct 2016 10:49:06
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 13:21:44

Compound name: PFBA
Correlation coefficient: r = 0.999461, r^2 = 0.998922
Calibration curve: 0.68025 * x + -0.00224366
Response type: Internal Std (Ref 13), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



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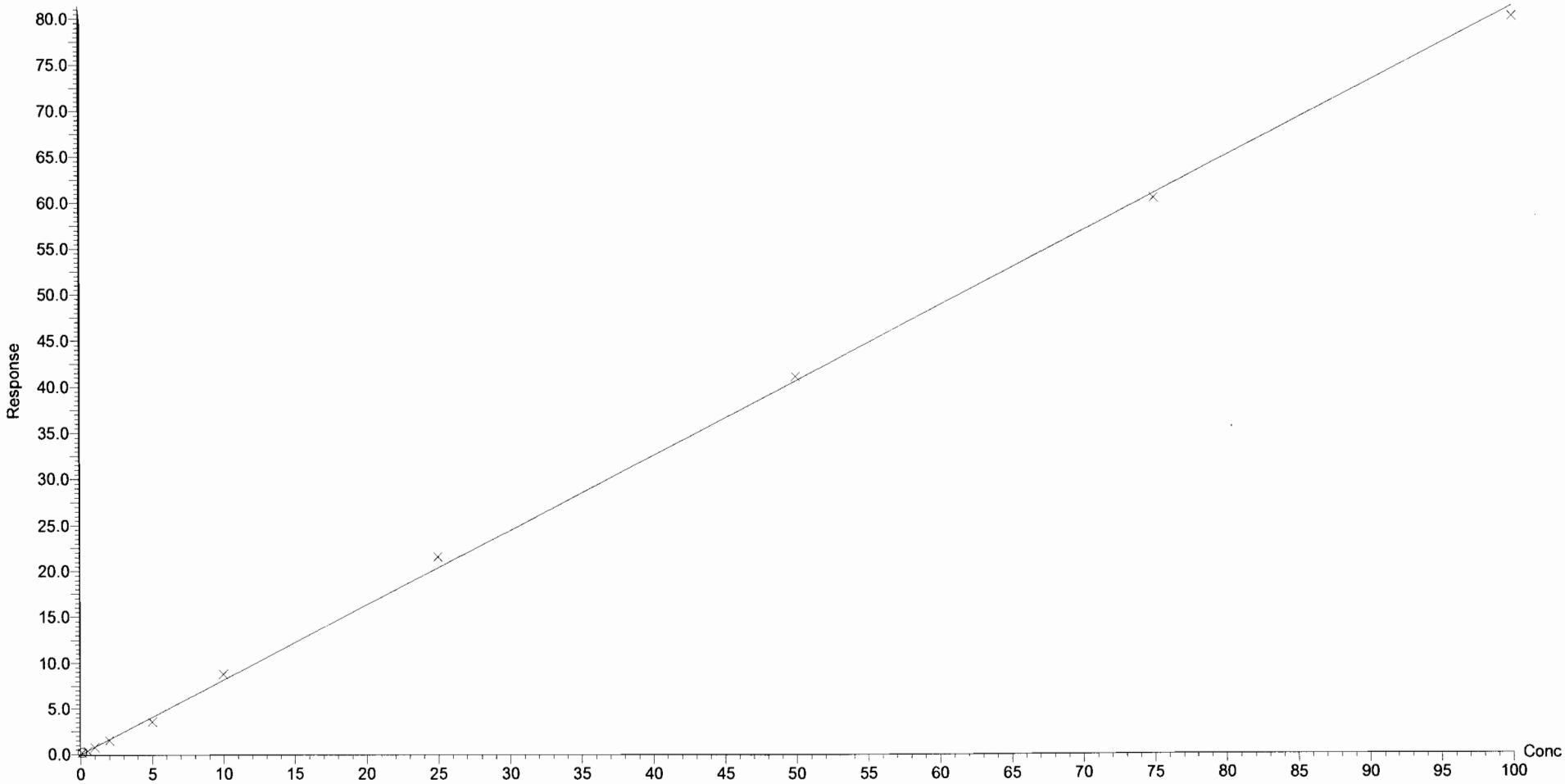
Compound name: PFPeA
Correlation coefficient: r = 0.999481, r^2 = 0.998962
Calibration curve: 0.813936 * x + -0.0179966
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



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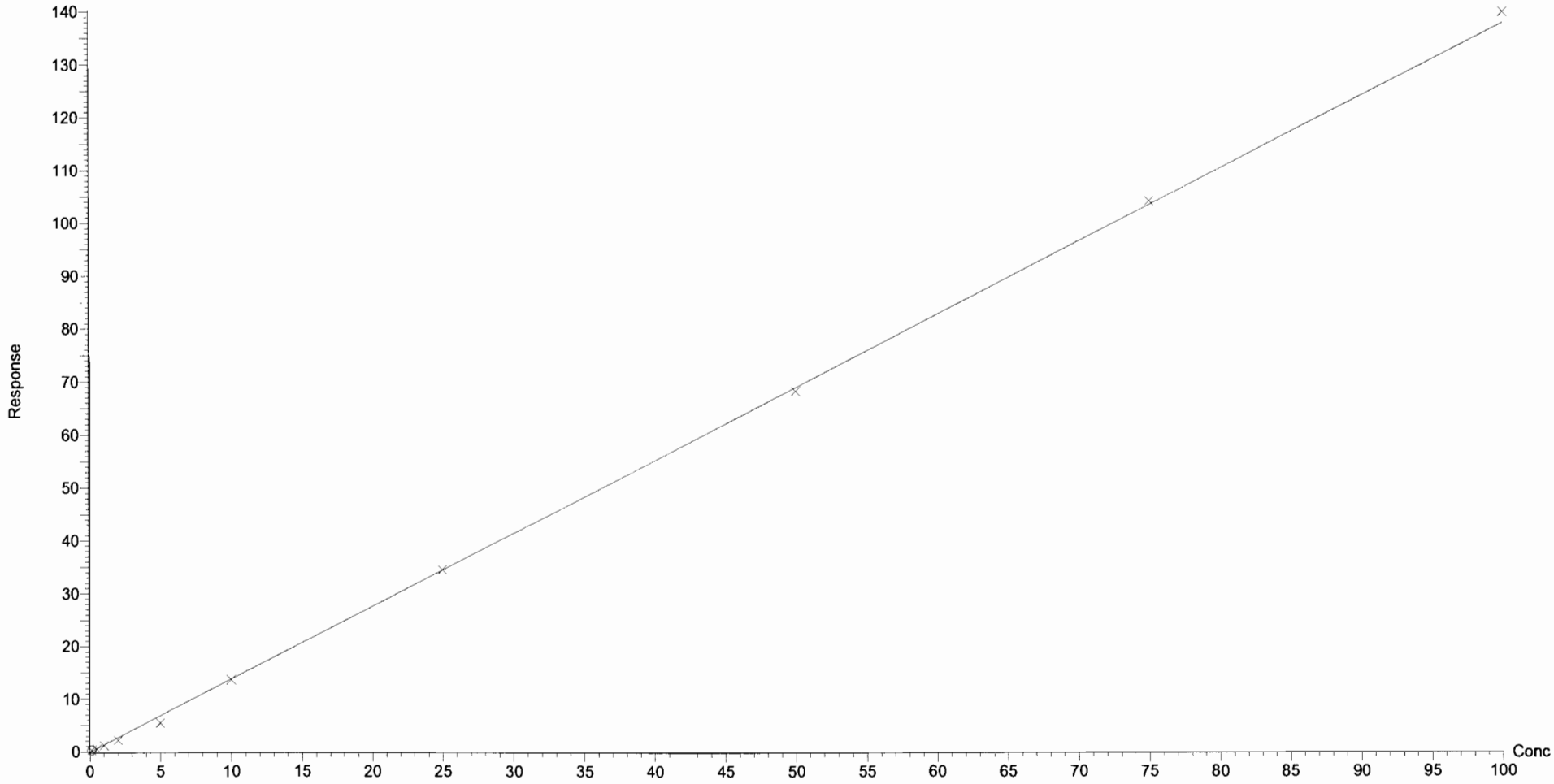
Compound name: PFBS
Correlation coefficient: r = 0.999367, r^2 = 0.998735
Calibration curve: 1.38406 * x + -0.0911461
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



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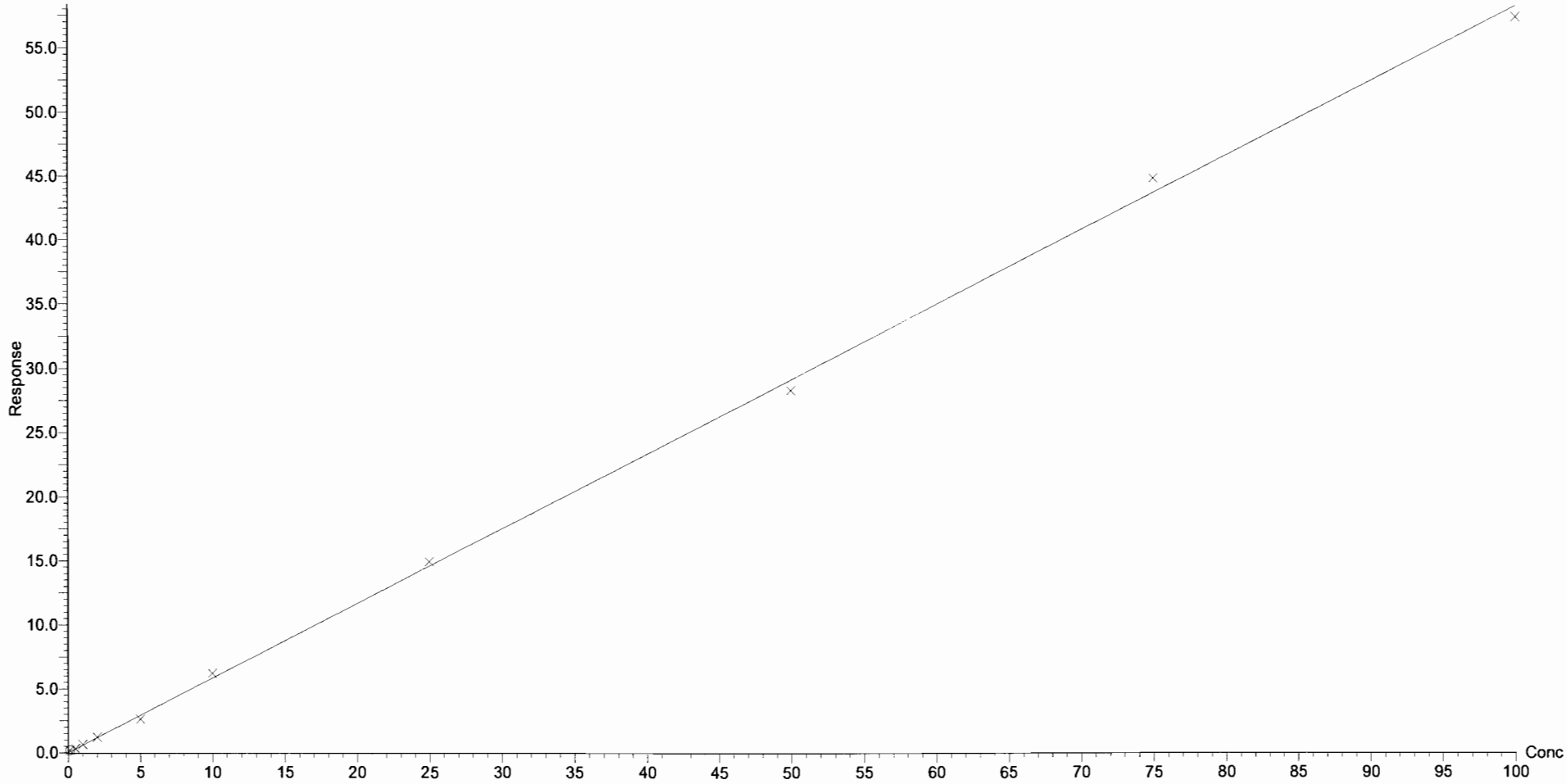
Compound name: PFHxA
Correlation coefficient: r = 0.999560, r^2 = 0.999121
Calibration curve: 0.583416 * x + 0.0113256
Response type: Internal Std (Ref 16), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

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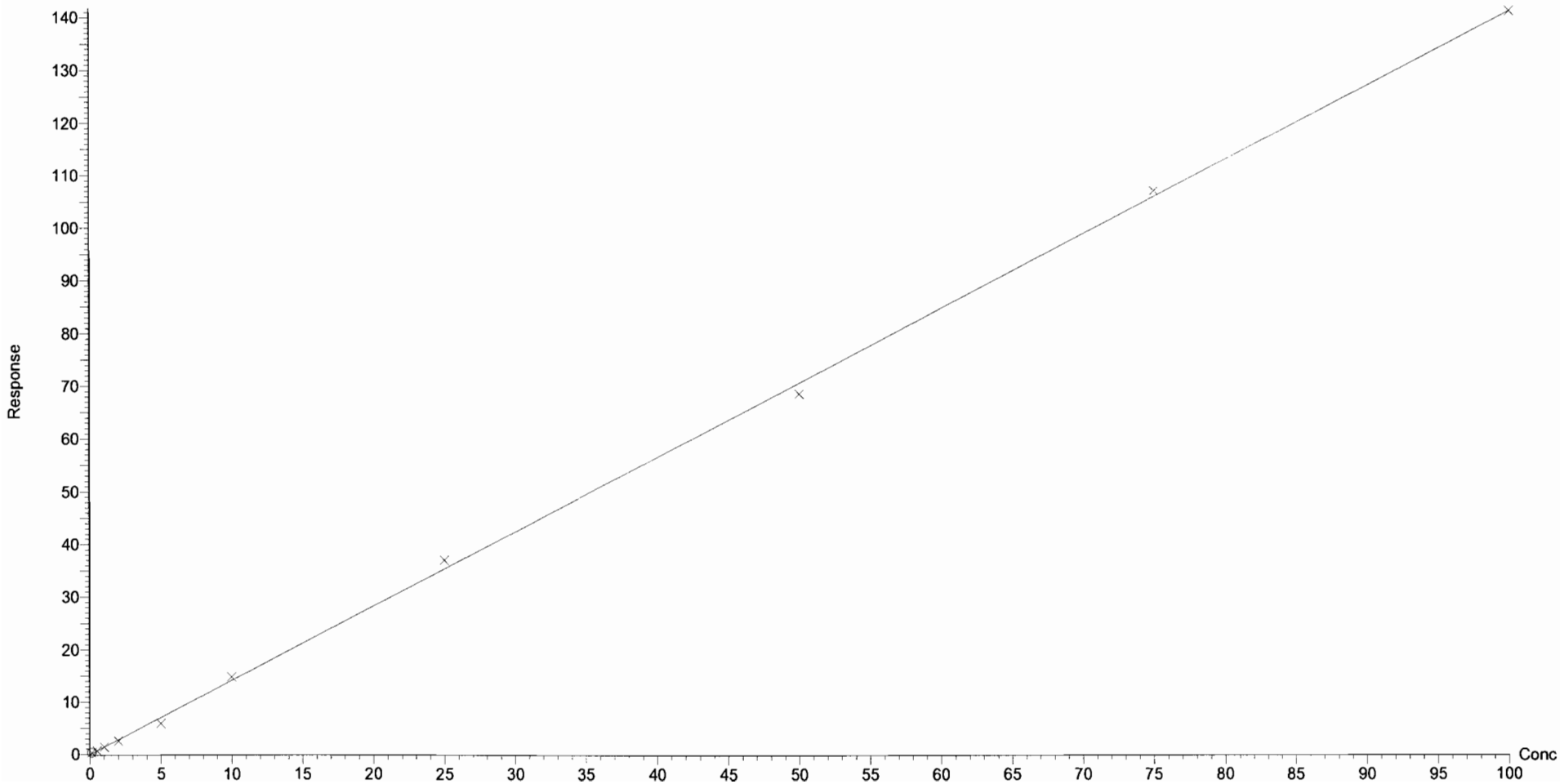
Compound name: PFHpA
Correlation coefficient: r = 0.999484, r^2 = 0.998969
Calibration curve: 1.41793 * x + -0.0299716
Response type: Internal Std (Ref 17), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

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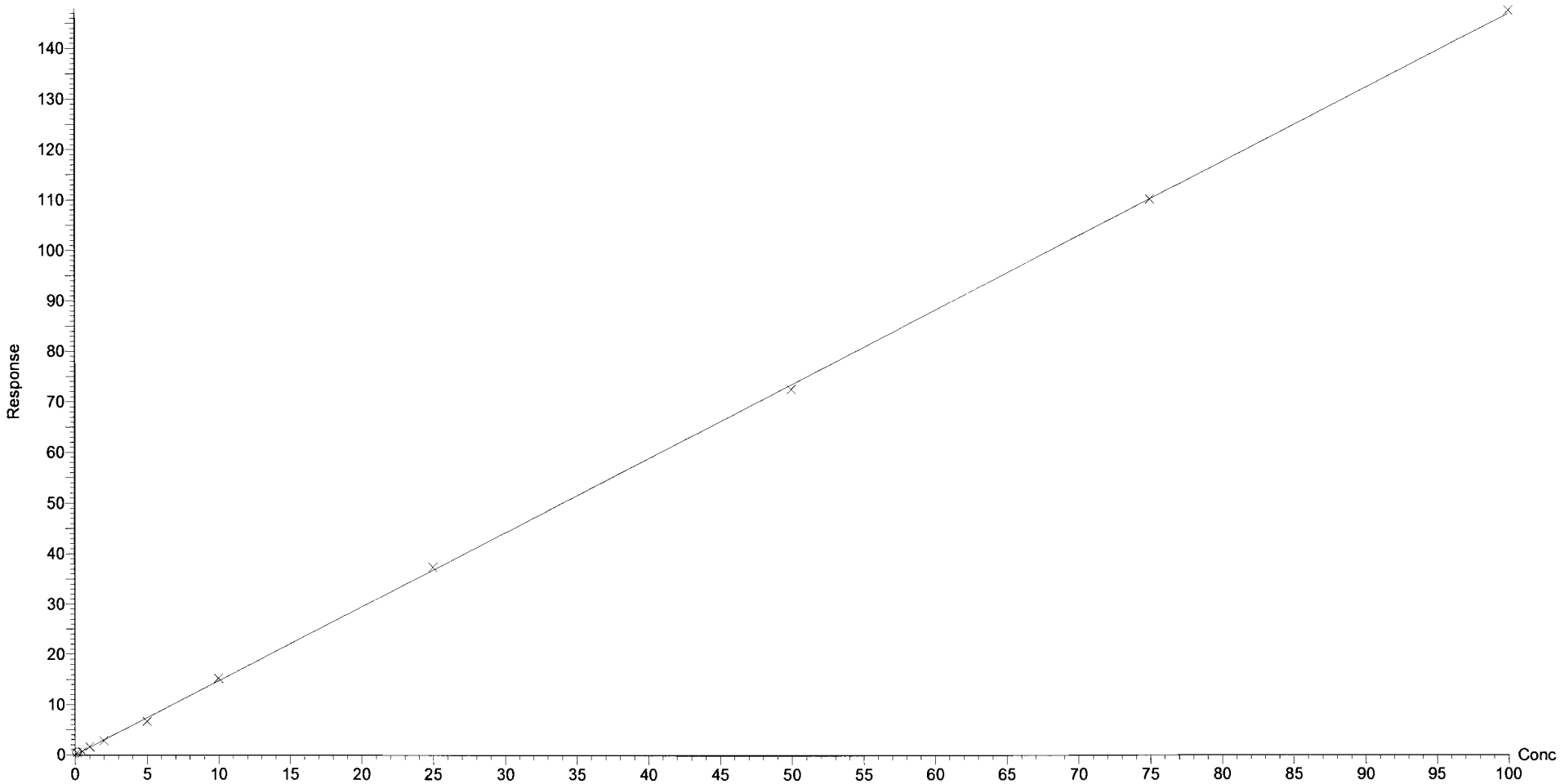
Compound name: PFHxS
Correlation coefficient: r = 0.999820, r^2 = 0.999641
Calibration curve: 1.47313 * x + -0.0188609
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



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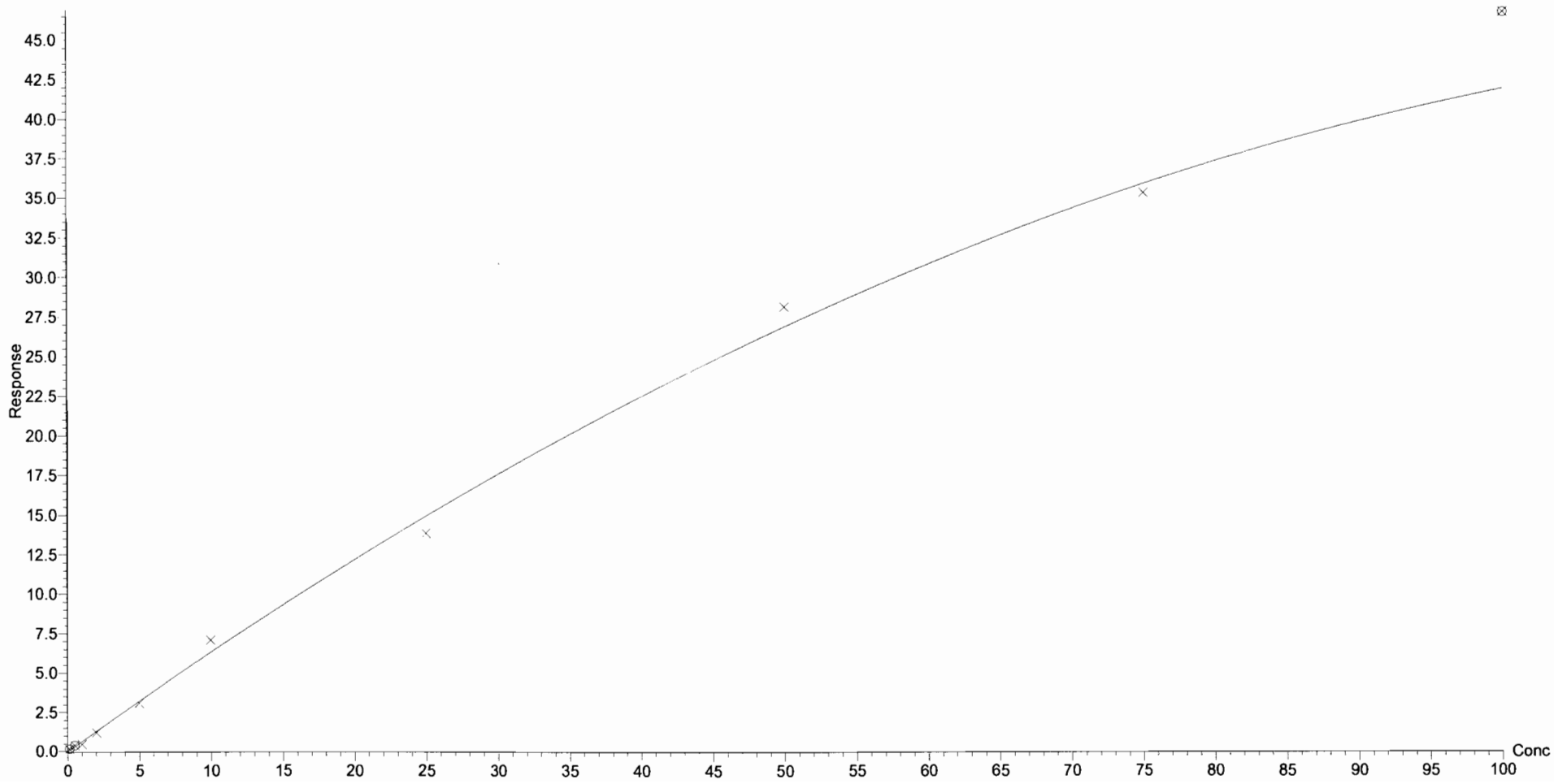
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.995986
Calibration curve: -0.00237607 * x^2 + 0.658455 * x + -0.0238852
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

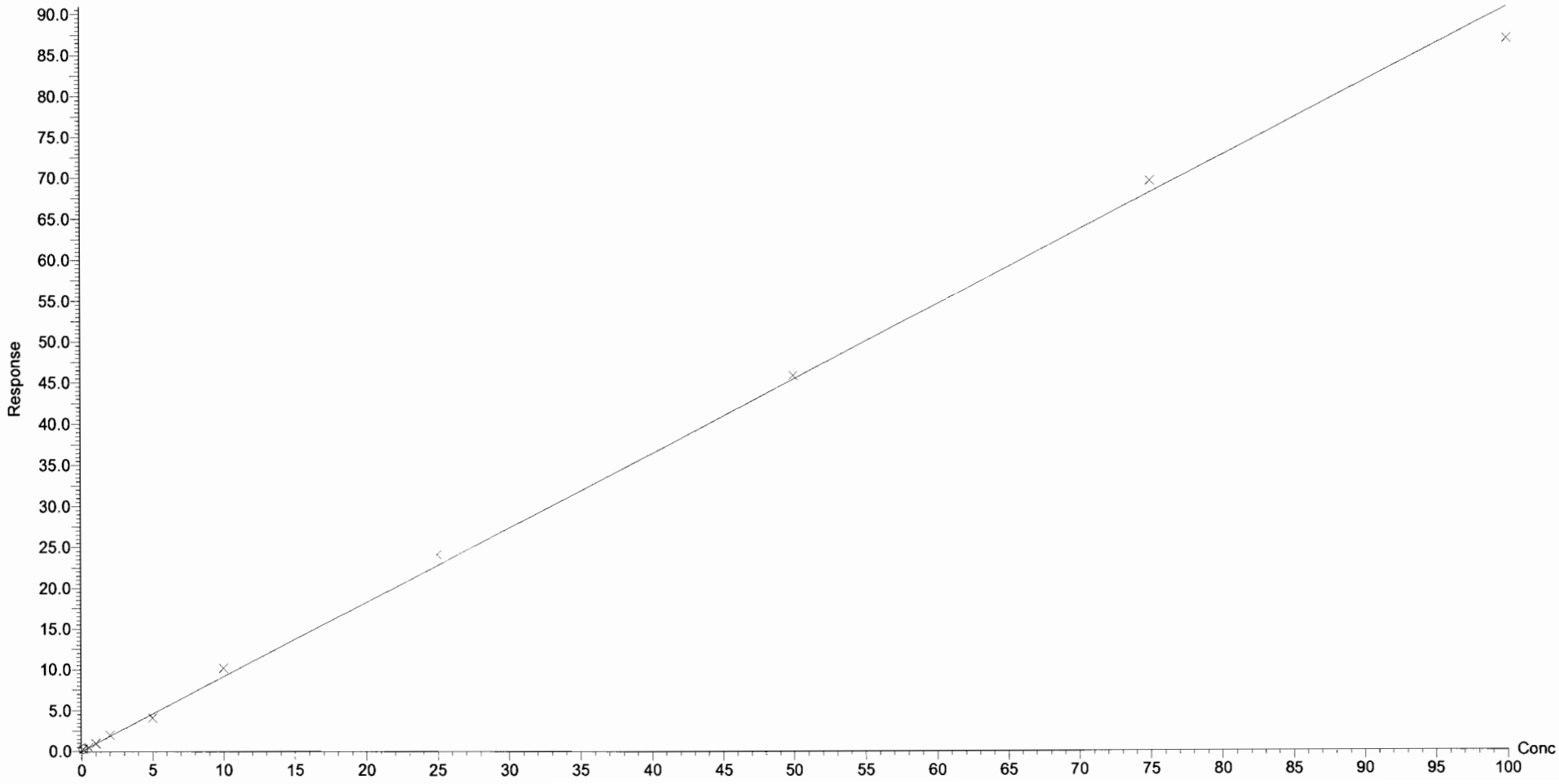


Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:22:39 Pacific Daylight Time

Compound name: PFOA
Correlation coefficient: r = 0.999034, r^2 = 0.998070
Calibration curve: 0.909667 * x + 0.0149722
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

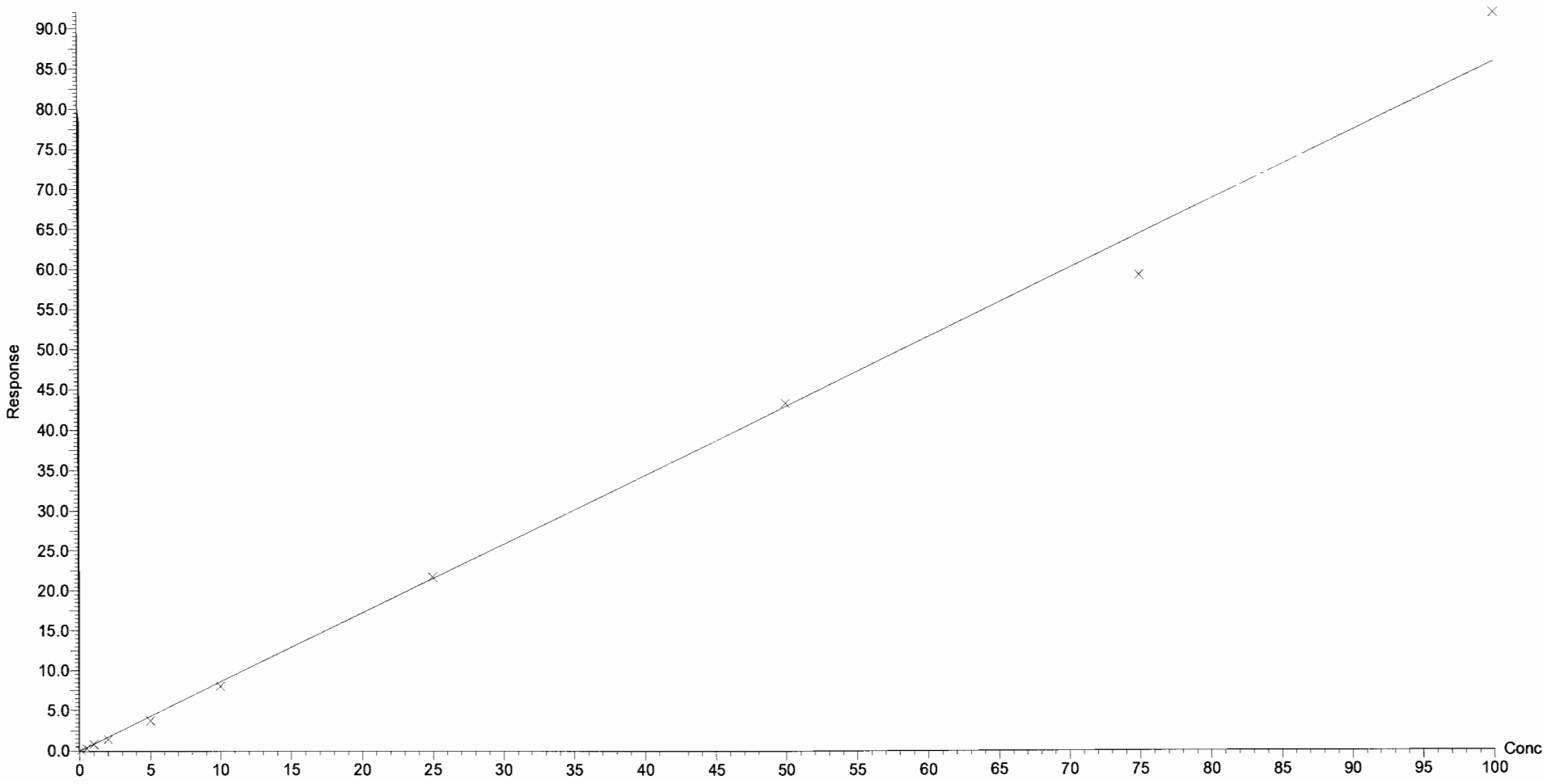


Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:22:39 Pacific Daylight Time

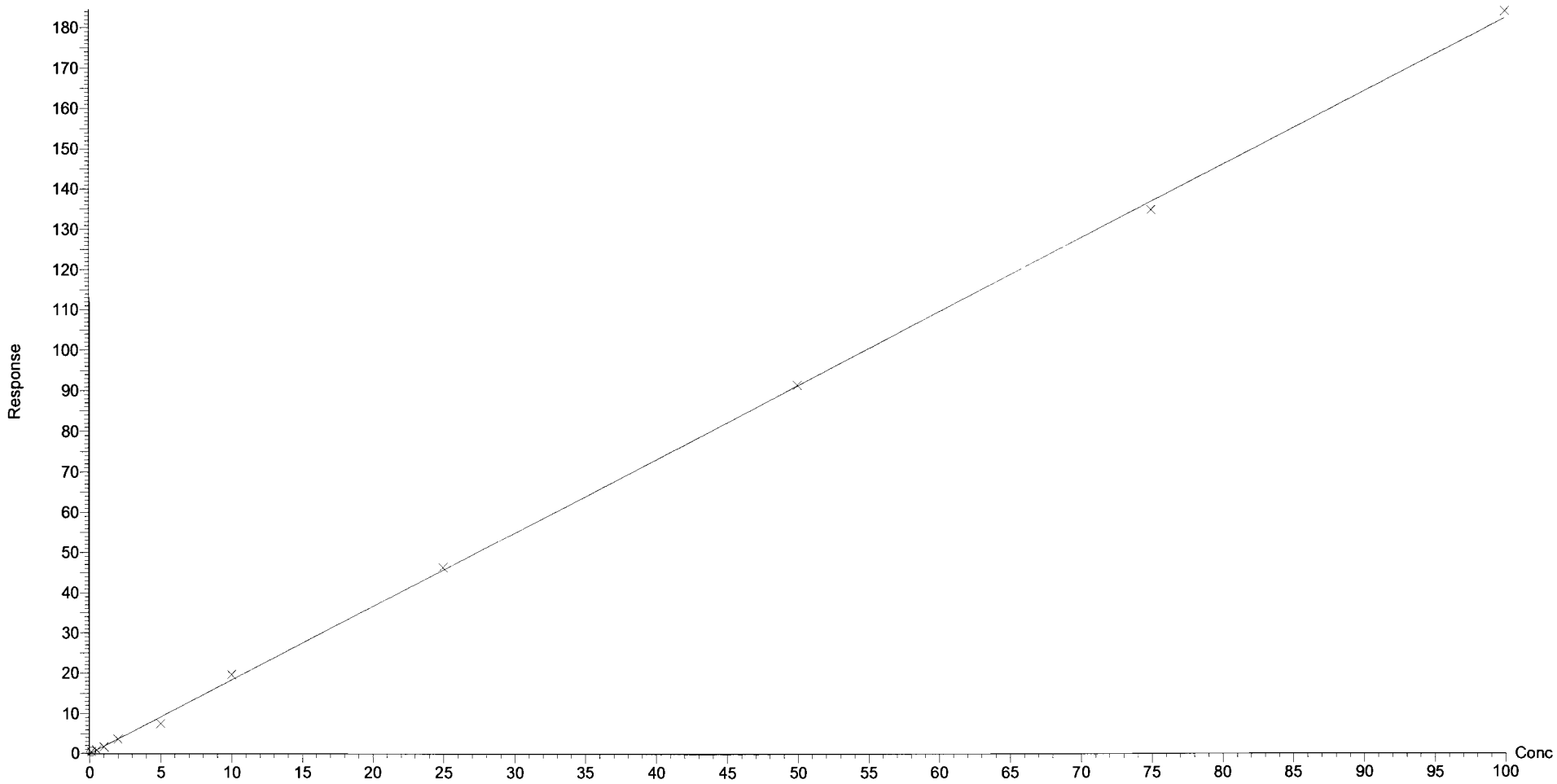
Compound name: PFOS
Correlation coefficient: r = 0.997673, r^2 = 0.995352
Calibration curve: 0.860271 * x + -0.0456852
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:22:39 Pacific Daylight Time

Compound name: PFNA
Correlation coefficient: r = 0.999491, r^2 = 0.998982
Calibration curve: 1.82913 * x + -0.0603589
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

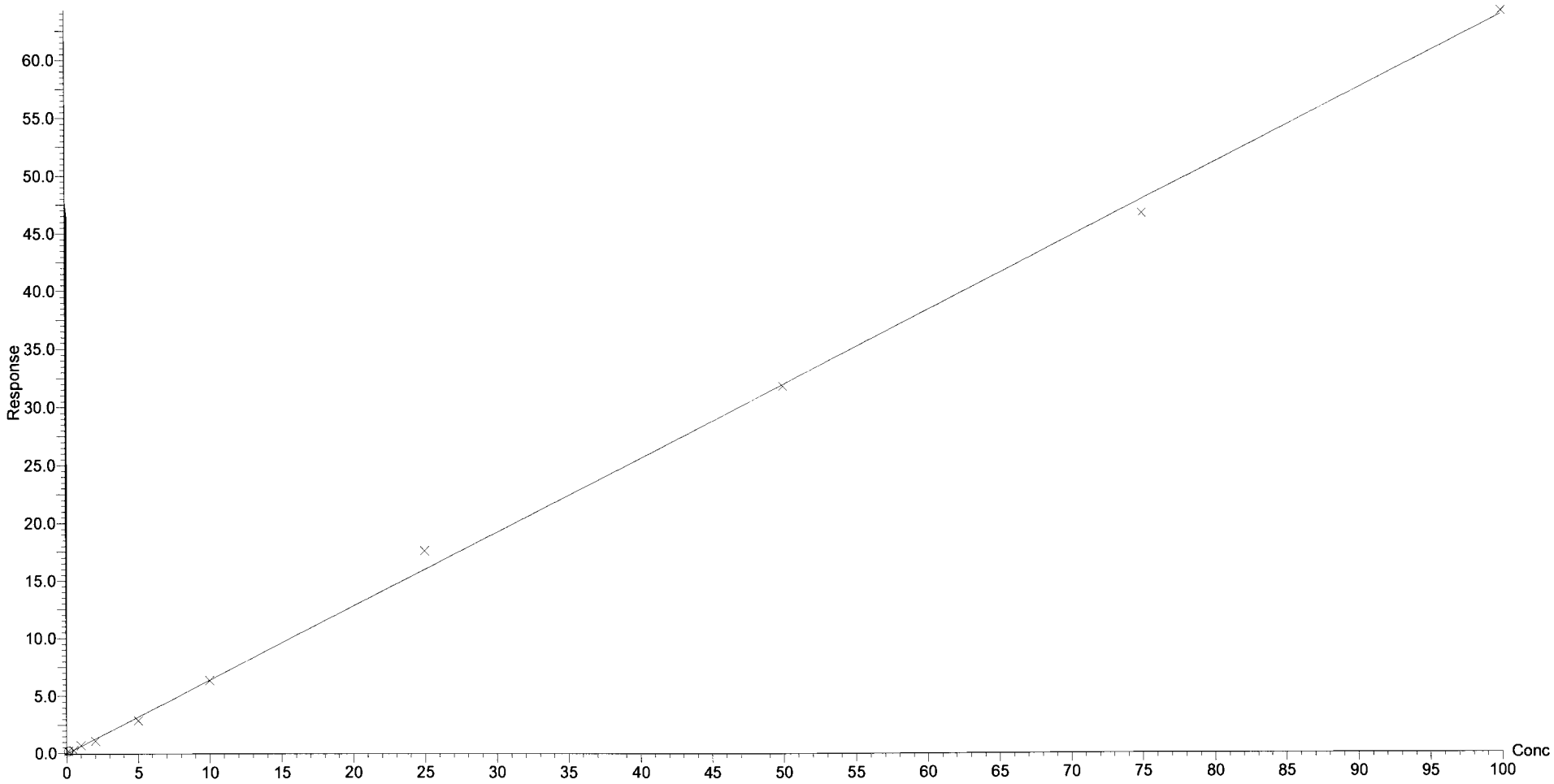


Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:22:39 Pacific Daylight Time

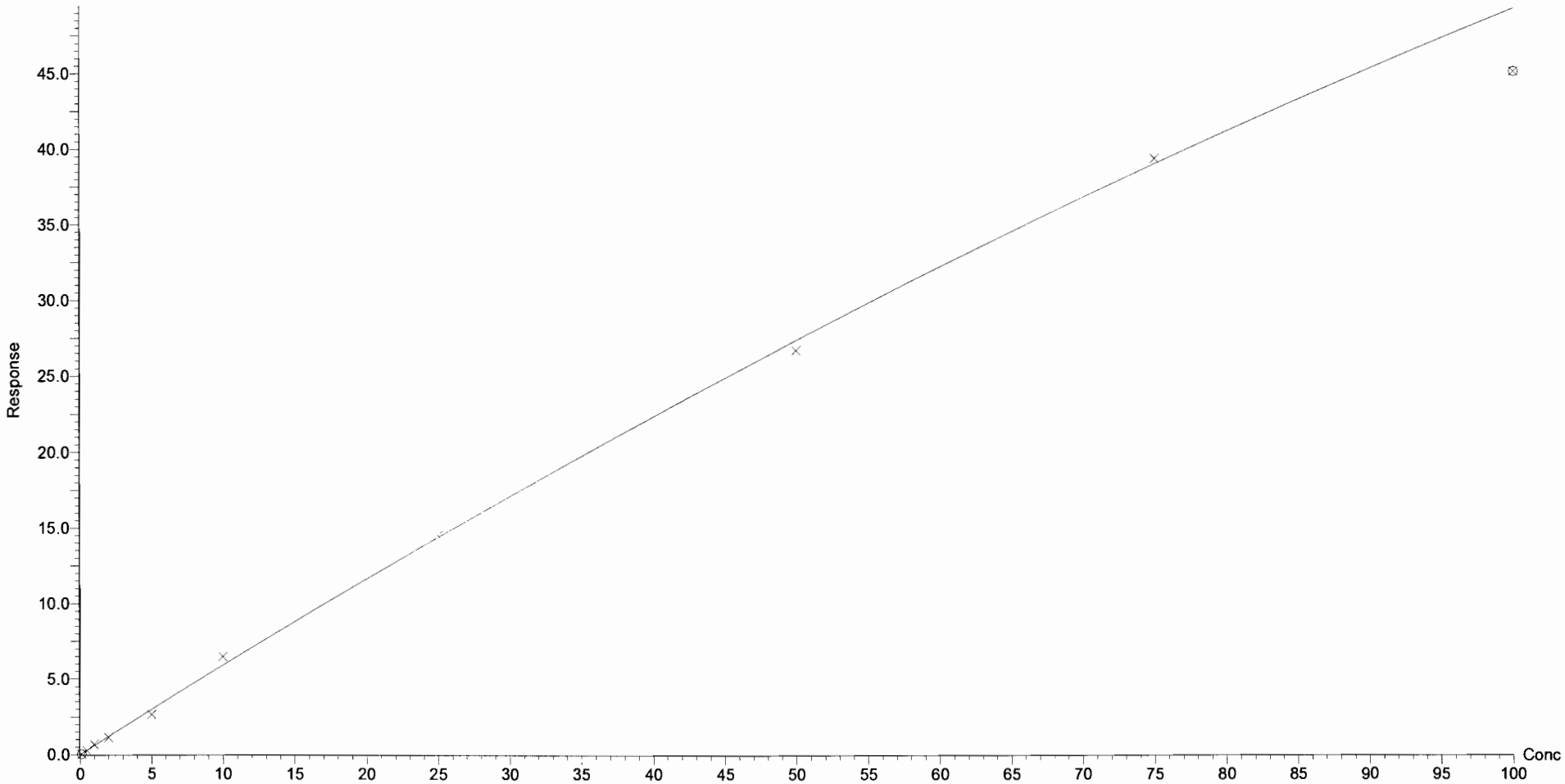
Compound name: PFDA
Correlation coefficient: r = 0.999184, r^2 = 0.998369
Calibration curve: 0.639934 * x + -0.0168263
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-CRV.qld

Last Altered: Tuesday, November 01, 2016 13:21:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:22:39 Pacific Daylight Time

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.998338
Calibration curve: -0.00108686 * x^2 + 0.603513 * x + -0.00649023
Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Quantify Compound Summary Report **MassLynx 4.1**
Vista Analytical Laboratory VG-9

Dataset: Untitled

Last Altered: Tuesday, November 01, 2016 12:19:28 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 12:20:03 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:05:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 11:59:14

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	161031G2_1	IPA	31-Oct-16	17:01:14
2	161031G2_2	ST161031G2-1 PFC CS-2 16J3104	31-Oct-16	17:13:53
3	161031G2_3	ST161031G2-2 PFC CS-1 16J3105	31-Oct-16	17:26:29
4	161031G2_4	ST161031G2-3 PFC CS0 16J3107	31-Oct-16	17:39:06
5	161031G2_5	ST161031G2-4 PFC CS1 16J2706	31-Oct-16	17:51:42
6	161031G2_6	ST161031G2-5 PFC CS2 16J2707	31-Oct-16	18:04:20
7	161031G2_7	ST161031G2-6 PFC CS3 16J2708	31-Oct-16	18:16:58
8	161031G2_8	ST161031G2-7 PFC CS3.5 16J2903	31-Oct-16	18:29:37
9	161031G2_9	ST161031G2-8 PFC CS4 16J2709	31-Oct-16	18:42:16
10	161031G2_10	ST161031G2-9 PFC CS4.5 16J2710	31-Oct-16	18:54:56
11	161031G2_11	ST161031G2-10 PFC CS5 16J2711	31-Oct-16	19:07:32
12	161031G2_12	IPA	31-Oct-16	19:20:09
13	161031G2_13	SS161031G2-1 PFC SSS 16J1810	31-Oct-16	19:32:47
14	161031G2_14	IPA	31-Oct-16	19:45:24
15	161031G2_15	B6J0178-BS1 OPR 0.125	31-Oct-16	19:58:03
16	161031G2_16	IPA	31-Oct-16	20:10:40
17	161031G2_17	B6J0178-BLK1 Method Blank 0.125	31-Oct-16	20:23:18
18	161031G2_18	1601334-10 BERP03010 0.125	31-Oct-16	20:35:56
19	161031G2_19	1601334-13 BERPXX064 0.125	31-Oct-16	20:48:35
20	161031G2_20	1601334-14 BERP05030 0.125	31-Oct-16	21:01:13
21	161031G2_21	B6J0178-MS1 Matrix Spike 0.125	31-Oct-16	21:13:53
22	161031G2_22	B6J0178-MSD1 Matrix Spike Dup 0.125	31-Oct-16	21:26:29
23	161031G2_23	1601334-15 BERP05071 0.125	31-Oct-16	21:39:04
24	161031G2_24	1601334-16 BERP06032 0.125	31-Oct-16	21:51:41
25	161031G2_25	1601334-17 BERP06033 0.125	31-Oct-16	22:04:17
26	161031G2_26	1601334-18 BERP04022 0.125	31-Oct-16	22:16:55
27	161031G2_27	1601334-19 BERP06034 0.125	31-Oct-16	22:29:33
28	161031G2_28	IPA	31-Oct-16	22:42:12
29	161031G2_29	ST161031G2-11 PFC CS3.5 16J2903	31-Oct-16	22:54:51
30	161031G2_30	IPA	31-Oct-16	23:07:29
31	161031G2_31	B6J0182-BS1 OPR 1	31-Oct-16	23:20:08

Vista Analytical Laboratory VG-9

Dataset: Untitled

Last Altered: Tuesday, November 01, 2016 12:19:28 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 12:20:03 Pacific Daylight Time

Compound name: PFBA

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32	161031G2_32	IPA	31-Oct-16	23:32:48
33	161031G2_33	B6J0182-BLK1 Method Blank 1	31-Oct-16	23:45:27
34	161031G2_34	1601334-20 BERP03011 0.125	31-Oct-16	23:58:02
35	161031G2_35	1601343-01 BERP05026 0.125	01-Nov-16	00:10:38
36	161031G2_36	1601343-02 BERP05027 0.125	01-Nov-16	00:23:14
37	161031G2_37	1601343-03 BERP05029 0.125	01-Nov-16	00:35:51
38	161031G2_38	1601218-01RE1 LORNG-FTLT18-092016 1.03	01-Nov-16	00:48:29
39	161031G2_39	1601218-02RE1 LORNG-FTLT19-092016 1.02	01-Nov-16	01:01:06
40	161031G2_40	IPA	01-Nov-16	01:13:45
41	161031G2_41	ST161031G2-12 PFC CS3.5 16J2903	01-Nov-16	01:26:23
42	161031G2_42	IPA	01-Nov-16	01:39:02
43	161031G2_43	B6J0183-BS1 OPR 0.125	01-Nov-16	01:51:42
44	161031G2_44	B6J0183-BSD1 LCS Dup 0.125	01-Nov-16	02:04:22
45	161031G2_45	B6J0185-BS1 OPR 0.125	01-Nov-16	02:16:59
46	161031G2_46	B6J0185-BSD1 LCS Dup 0.125	01-Nov-16	02:29:35
47	161031G2_47	IPA	01-Nov-16	02:42:11
48	161031G2_48	B6J0183-BLK1 Method Blank 0.125	01-Nov-16	02:54:50
49	161031G2_49	B6J0185-BLK1 Method Blank 0.125	01-Nov-16	03:07:26
50	161031G2_50	1601332-01RE1 AFFF-MW01-073-101716 0.1...	01-Nov-16	03:20:04
51	161031G2_51	1601332-03RE1 AFFF-FFTA-MW-2-101816 0....	01-Nov-16	03:32:41
52	161031G2_52	1601332-04RE1 AFFF-FFTA-MW-2B-101816 ...	01-Nov-16	03:45:20
53	161031G2_53	B6J0183-MS1 Matrix Spike 0.125	01-Nov-16	03:57:59
54	161031G2_54	B6J0183-MSD1 Matrix Spike Dup 0.125	01-Nov-16	04:10:34
55	161031G2_55	1601332-05RE1 AFFF-FFTA-MW-2D-101816 ...	01-Nov-16	04:23:10
56	161031G2_56	1601332-06RE1 AFFF-TLF-MW-55D-101816 ...	01-Nov-16	04:35:46
57	161031G2_57	1601332-07RE1 AFFF-FFTA-MW-60-101816 ...	01-Nov-16	04:48:22
58	161031G2_58	1601332-08RE1 AFFF-FFTA-MW-60D-10181...	01-Nov-16	05:00:59
59	161031G2_59	1601332-09RE1 AFFF-FFTA-MW-60D2-1018...	01-Nov-16	05:13:37
60	161031G2_60	1601332-10RE1 AFFF-FFTA-DUP2-101916 0....	01-Nov-16	05:26:16
61	161031G2_61	1601332-11RE1 EB2-WG-101916 0.13061	01-Nov-16	05:38:56
62	161031G2_62	IPA	01-Nov-16	05:51:31
63	161031G2_63	ST161031G2-13 PFC CS3.5 16J2903	01-Nov-16	06:04:09
64	161031G2_64	IPA	01-Nov-16	06:16:48
65	161031G2_65	1601332-12RE1 AFFF-FFTA-MW-103I-10191...	01-Nov-16	06:29:28

Quantify Compound Summary Report **MassLynx 4.1**
Vista Analytical Laboratory VG-9

Dataset: Untitled

Last Altered: Tuesday, November 01, 2016 12:19:28 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 12:20:03 Pacific Daylight Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	161031G2_66	1601332-02RE1 AFFF-MW01-093-101716 0.1...	01-Nov-16	06:42:03
67	161031G2_67	IPA	01-Nov-16	06:54:40
68	161031G2_68	ST161031G2-14 PFC CS3.5 16J2903	01-Nov-16	07:07:18
69	161031G2_69	IPA	01-Nov-16	07:19:58

Vista Analytical Laboratory Q1

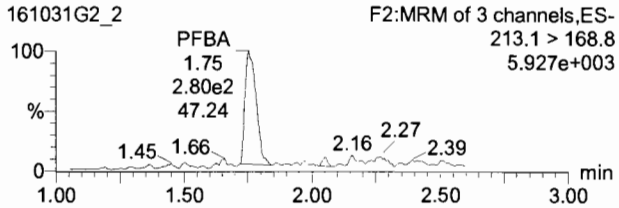
Dataset: Untitled

Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

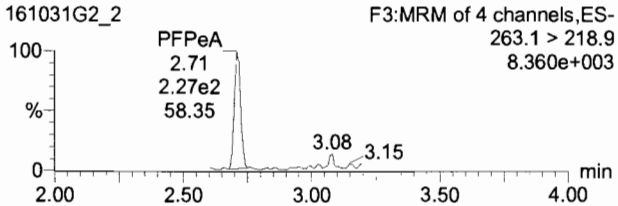
Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 28 Oct 2016 10:49:06
Calibration: 01 Nov 2016 11:15:44

Name: 161031G2_2, Date: 31-Oct-2016, Time: 17:13:53, ID: ST161031G2-1 PFC CS-2 16J3104, Description: PFC CS-2 16J3104 A

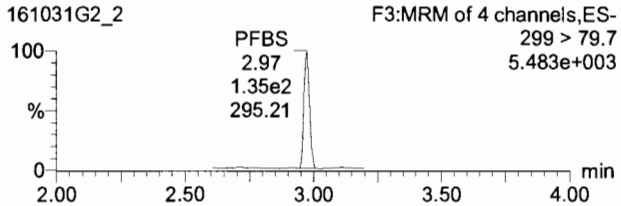
PFBA



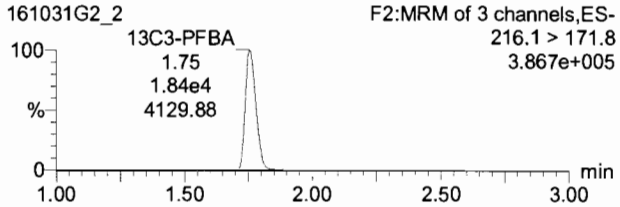
PFPeA



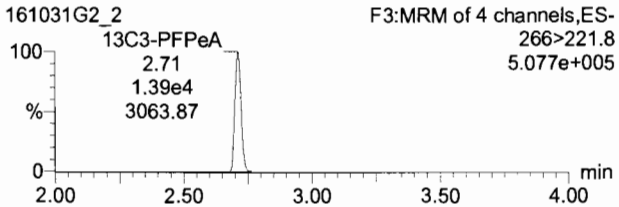
PFBS



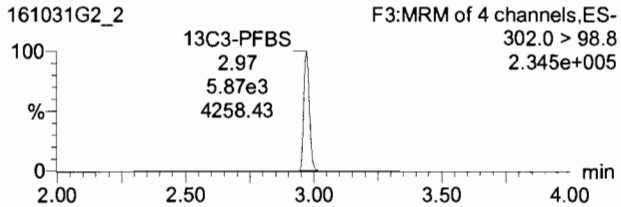
13C3-PFBA



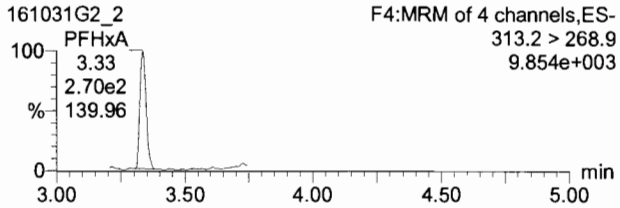
13C3-PFPeA



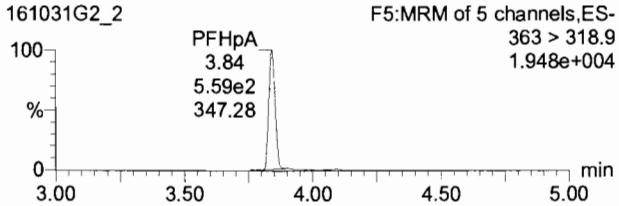
13C3-PFBS



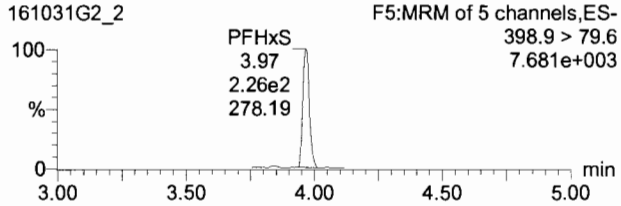
PFHxA



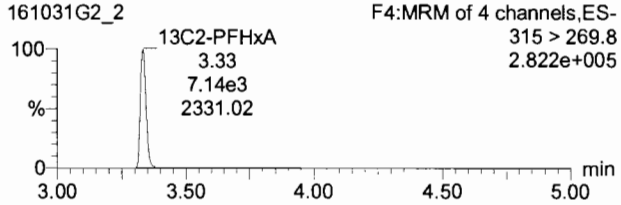
PFHpA



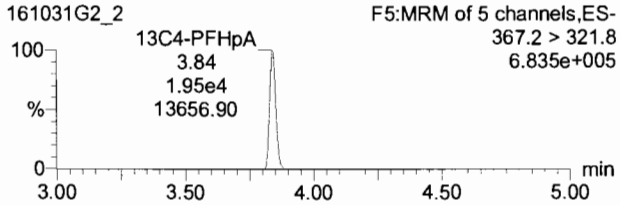
PFHxS



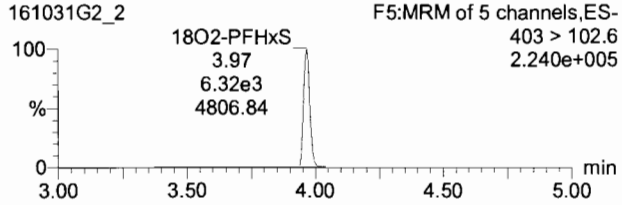
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

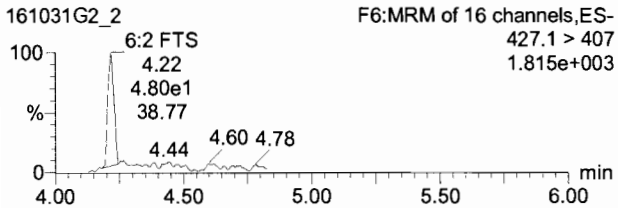


Dataset: Untitled

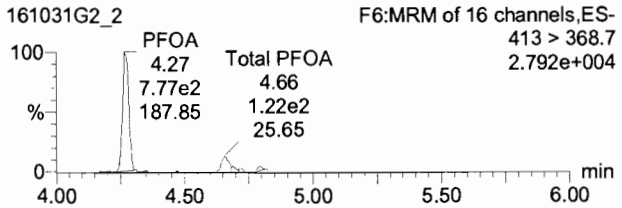
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_2, Date: 31-Oct-2016, Time: 17:13:53, ID: ST161031G2-1 PFC CS-2 16J3104, Description: PFC CS-2 16J3104 A

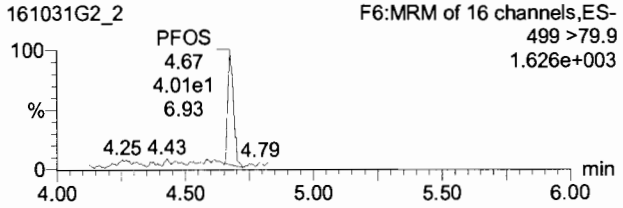
6:2 FTS



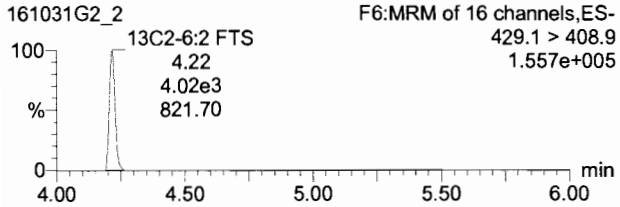
PFOA



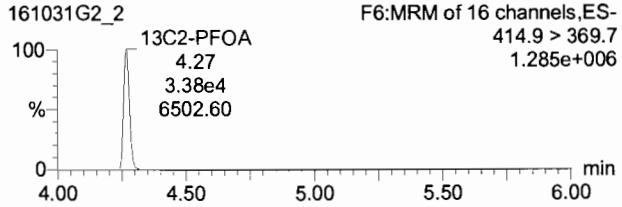
PFOS



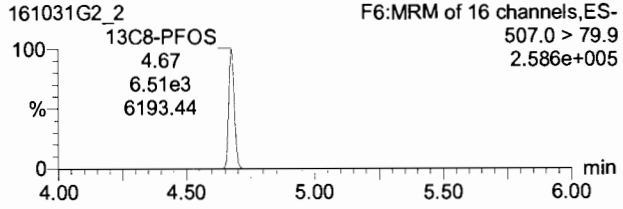
13C2-6:2 FTS



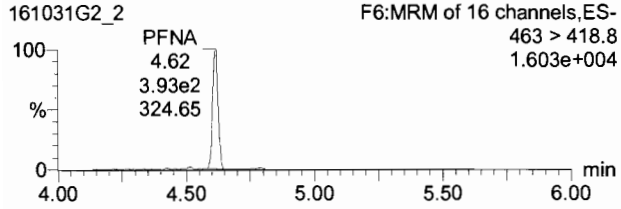
13C2-PFOA



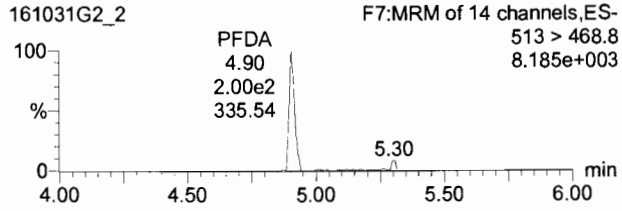
13C8-PFOS



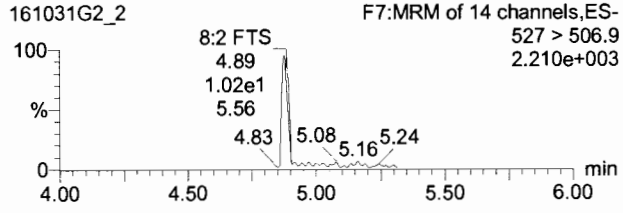
PFNA



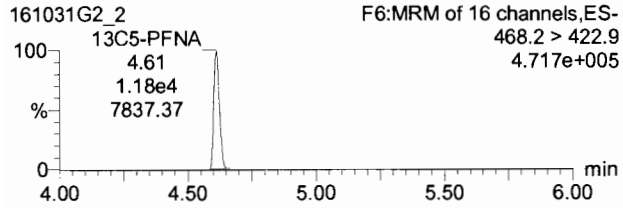
PFDA



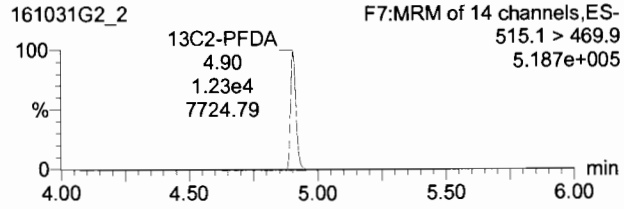
8:2 FTS



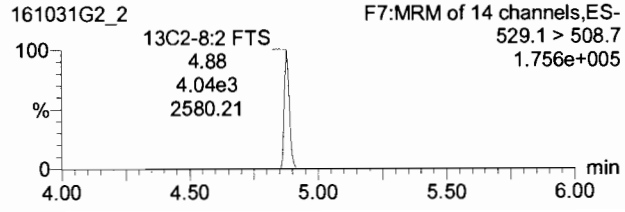
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS

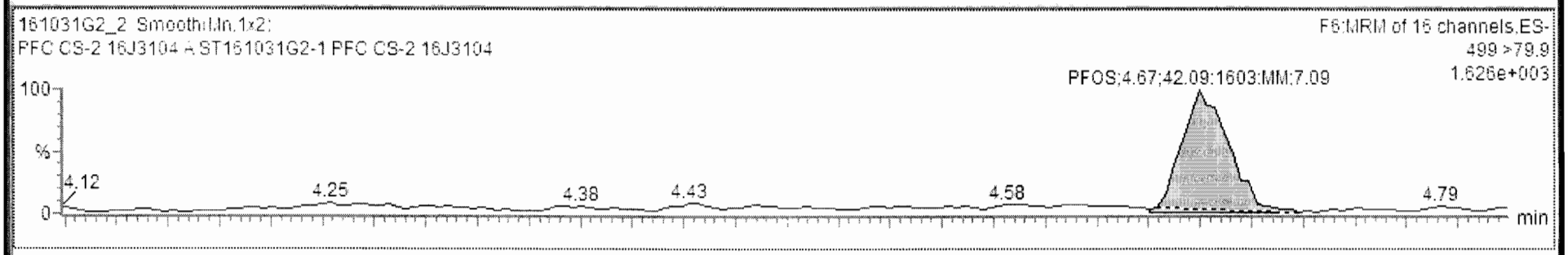


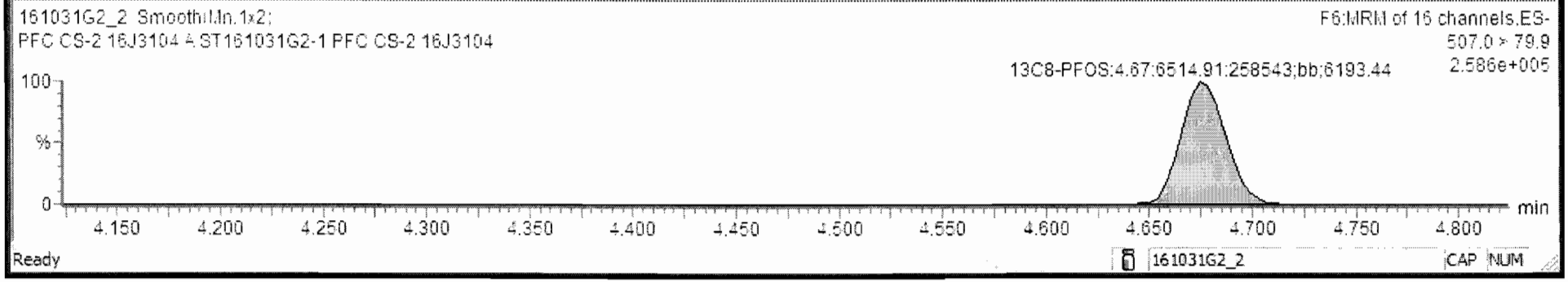
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_2 - ST161031G2-1 PFC CS-2 16J3104 - PFC CS-2 16J3104 A

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	2.80e2	0.190	1.522	1.000	1.75	0.283	226.4	0.0173602		0.9989
2	PFPeA	263.1 > 218.9	2.27e2	0.205	1.639	1.000	2.71	0.274	219.0	0.0327468		0.9990
3	PFBS	299 > 79.7	1.35e2	0.288	2.302	1.000	2.97	0.274	219.0	0.0676193		0.9987
4	PFHxA	313.2 > 268.9	2.70e2	0.189	1.512	1.000	3.33	0.305	243.6	0.0000000		0.9991
5	PFHpA	363 > 318.9	5.59e2	0.359	2.869	1.000	3.84	0.274	219.3	0.0229325		0.9990
6	PFHxS	398.9 > 79.8	2.26e2	0.448	3.583	1.000	3.97	0.317	253.5	0.0153934		0.9996
7	6:2 FTS	427.1 > 407	4.80e1	0.149	1.194	1.000	4.22	0.233	186.4	0.0112085		0.9774
8	PFOA	413 > 368.7	7.77e2	0.287	2.295	1.000	4.27	0.299	239.1	0.0000000		0.9981
9	PFOS	499 >79.9	4.21e1	0.081	0.646	1.000	4.67	0.149	119.0	0.0866629		0.9954
10	PFNA	463 > 418.8	3.93e2	0.416	3.324	1.000	4.62	0.260	208.1	0.0347843		0.9990
11	PFDA	513 > 468.8	2.00e2	0.203	1.624	1.000	4.90	0.344	274.8	0.0285852		0.9984
12	8:2 FTS	527 > 506.9	1.02e1	0.032	0.253	1.000	4.89	0.0744	59.5	0.0626835		0.9982
13	13C3-PFBA	216.1 > 171.8	1.84e4	10.859	0.869	1.000	1.75	11.3	90.5	0.0067070	4.47	
14	13C2-PFPeA	266>221.8	1.39e4	5.896	0.472	1.000	2.71	11.2	89.6	0.0083985	4.47	





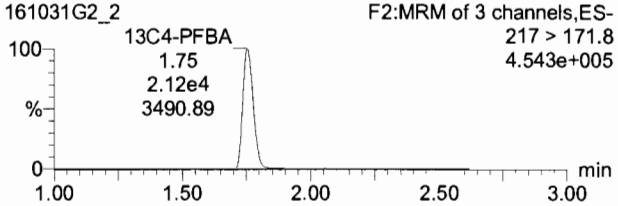
Ready 161031G2_2 CAP NUM

Dataset: Untitled

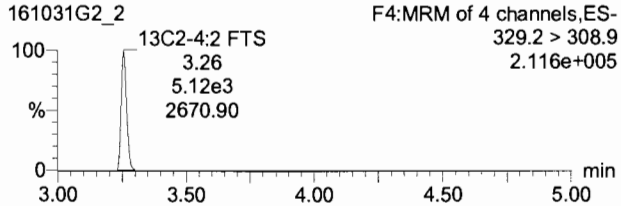
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_2, Date: 31-Oct-2016, Time: 17:13:53, ID: ST161031G2-1 PFC CS-2 16J3104, Description: PFC CS-2 16J3104 A

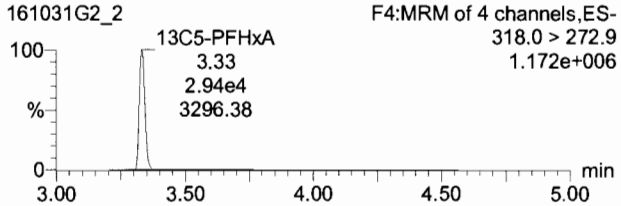
13C4-PFBA



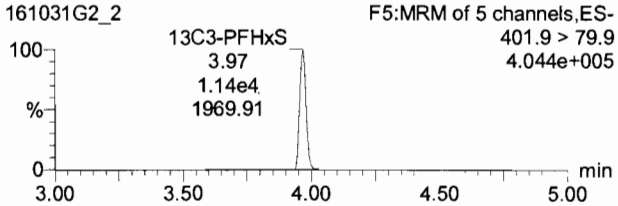
13C2-4:2 FTS



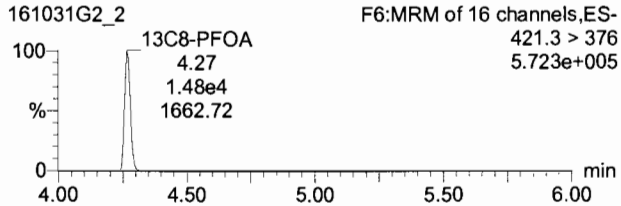
13C5-PFHxA



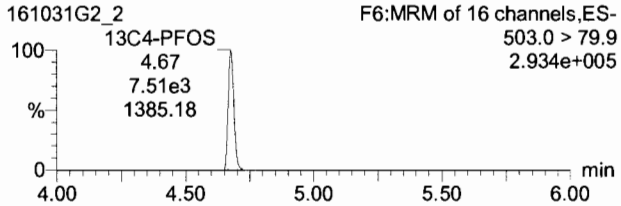
13C3-PFHxS



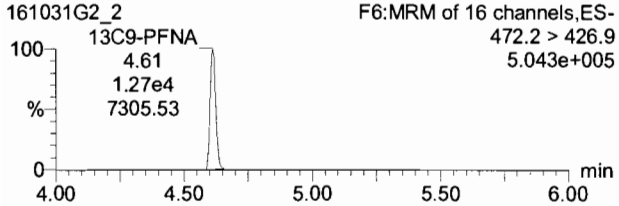
13C8-PFOA



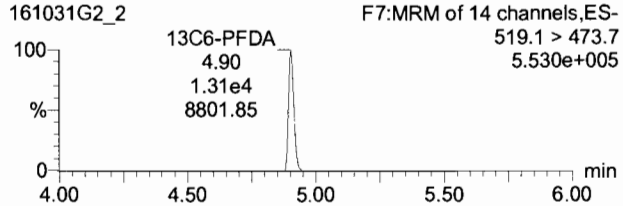
13C4-PFOS



13C9-PFNA



13C6-PFDA



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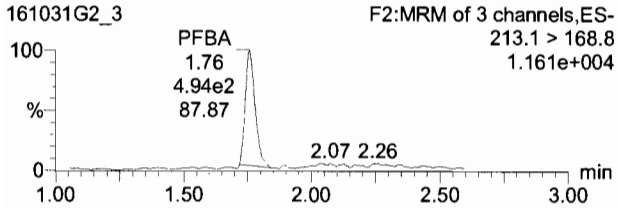
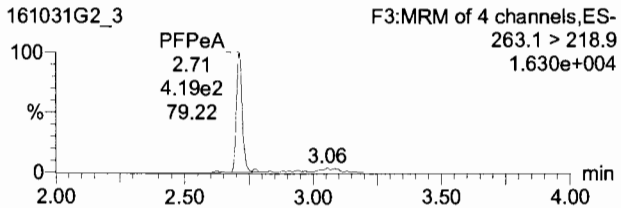
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_3, Date: 31-Oct-2016, Time: 17:26:29, ID: ST161031G2-2 PFC CS-1 16J3105, Description: PFC CS-1 16J3105 A

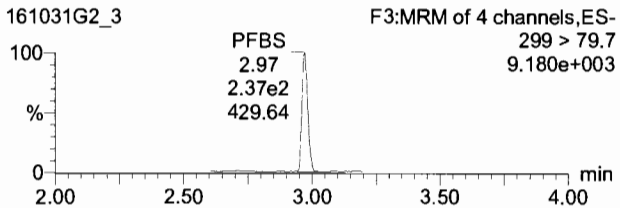
PFBA



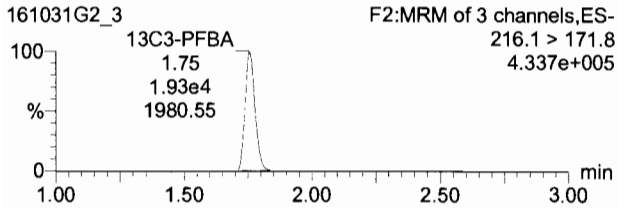
PFPeA



PFBS



13C3-PFBA



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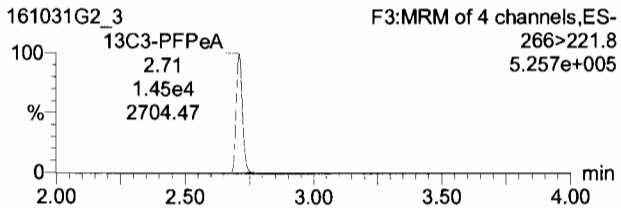
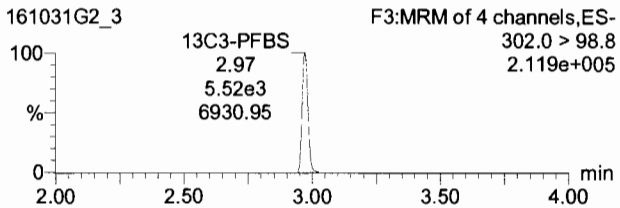


13C3-PFBS



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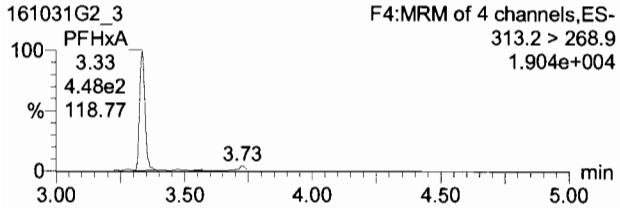
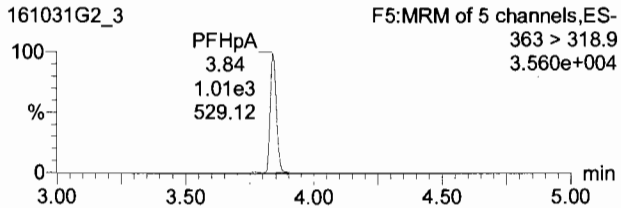
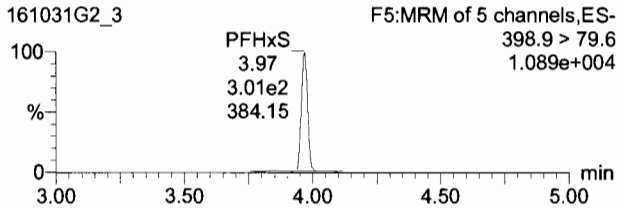


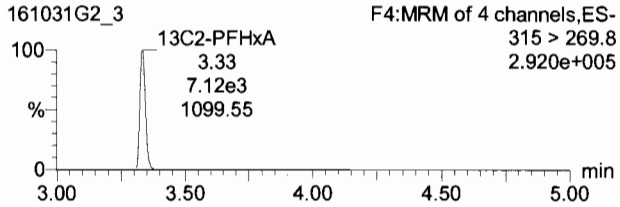
PFHpA



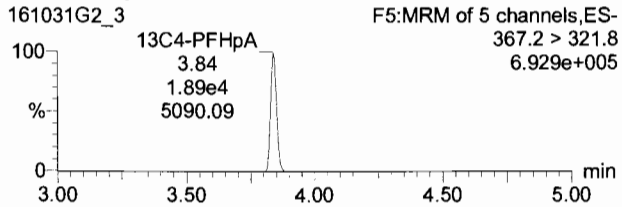
PFHxS



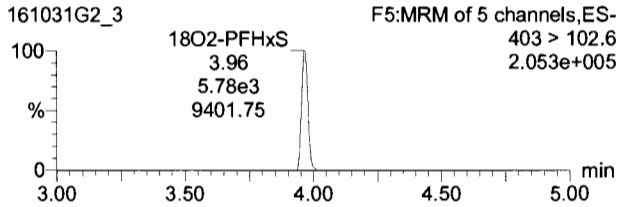
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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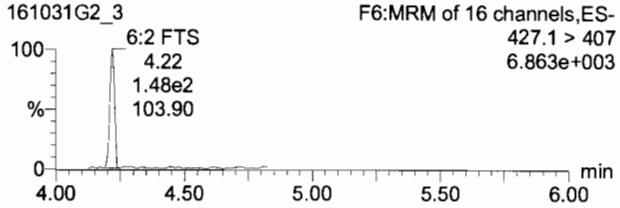
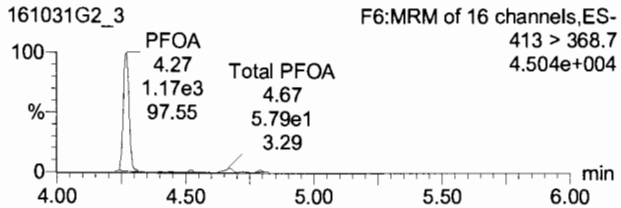
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_3, Date: 31-Oct-2016, Time: 17:26:29, ID: ST161031G2-2 PFC CS-1 16J3105, Description: PFC CS-1 16J3105 A

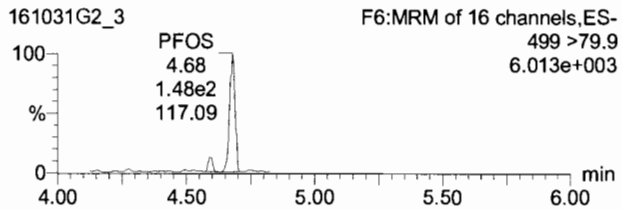
6:2 FTS



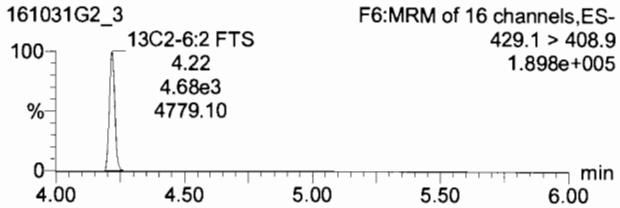
PFOA



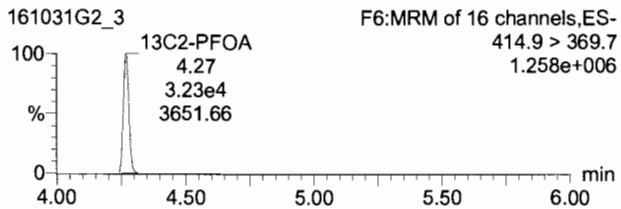
PFOS



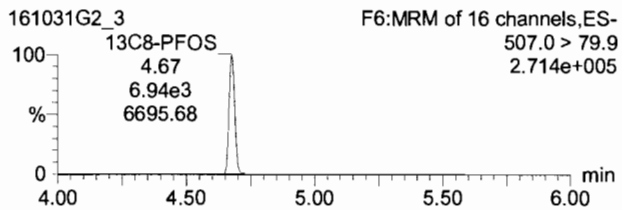
13C2-6:2 FTS



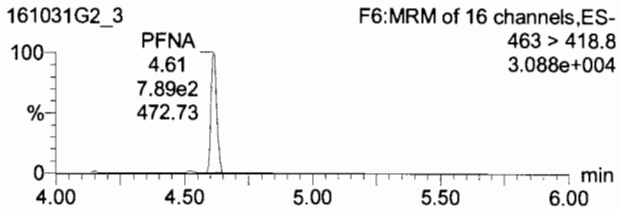
13C2-PFOA



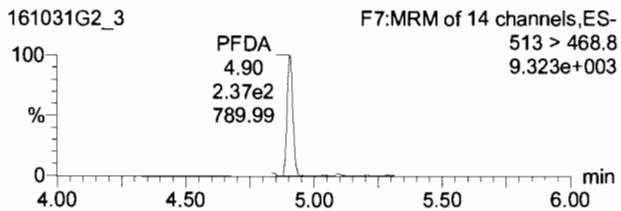
13C8-PFOS



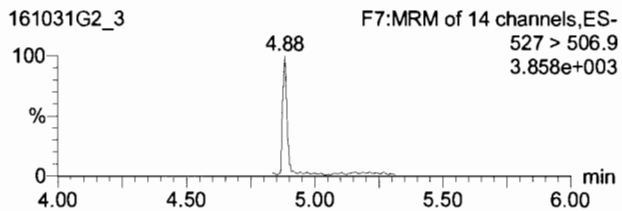
PFNA



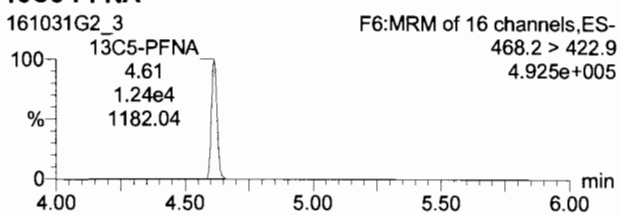
PFDA



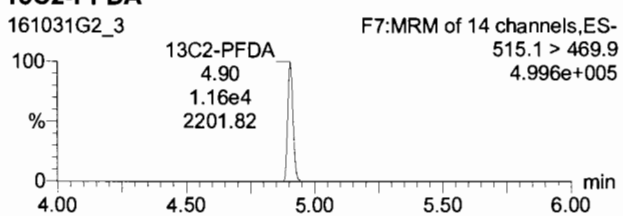
8:2 FTS



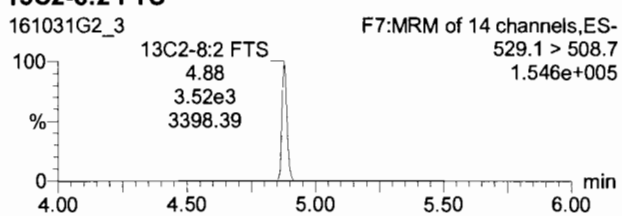
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS

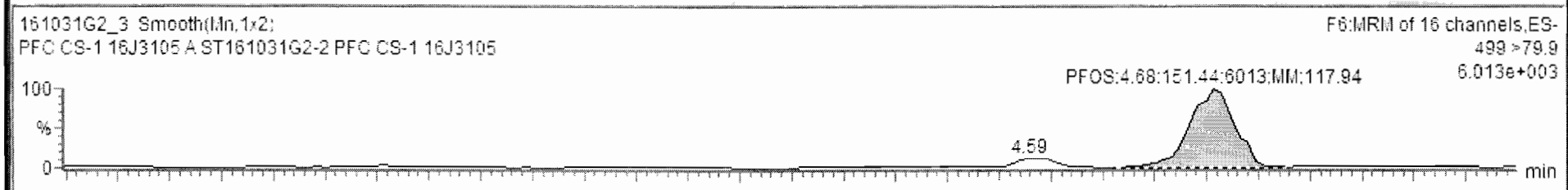


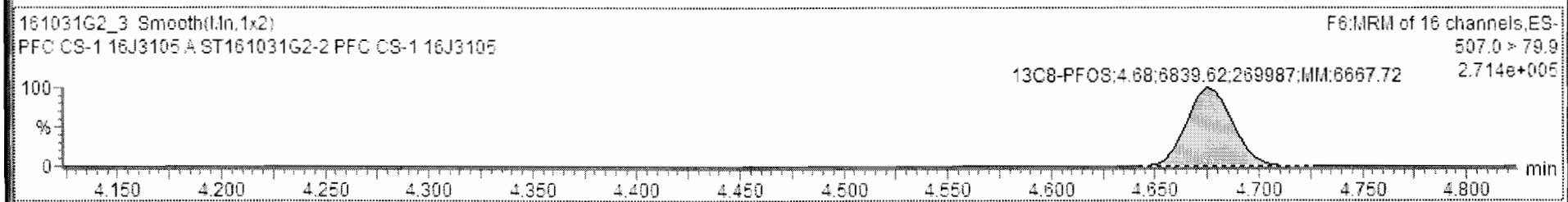
TargetLynx - 161031G2-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_3 - ST161031G2-2 PFC CS-1 16J3105 - PFC CS-1 16J3105 A

	#	Name	Trace	RT	RA	y/n	Area	IS Area	Response	Primary Flags	Conc.	%Dev	%RSD	RRF M...	RRF SD
1	1	PFBA	213.1 > 168.8	1.76			4.94e2	1.93e4	0.321	bb	0.475	-5.0			
2	2	PFPeA	263.1 > 218.9	2.71			4.19e2	1.45e4	0.361	bd	0.466	-6.9			
3	3	PFBS	299 > 79.7	2.97			2.37e2	5.52e3	0.536	bb	0.453	-9.3			
4	4	PFHxA	313.2 > 268.9	3.33			4.48e2	7.12e3	0.315	bb	0.520	3.9			
5	5	PFHpA	363 > 318.9	3.84			1.01e3	1.89e4	0.666	bb	0.491	-1.8			
6	6	PFHxS	398.9 > 79.6	3.97			3.01e2	5.78e3	0.651	bb	0.455	-9.1			
7	7	8:2 FTS	427.1 > 407	4.22			1.48e2	4.68e3	0.394	bbX	0.636	27.1			
8	8	PFOA	413 > 368.7	4.27			1.17e3	3.23e4	0.455	bd	0.484	-3.2			
9	9	PFOS	499 >79.9	4.68			1.51e2	6.84e3	0.277	MM	0.375	-25.0			
10	10	PFNA	463 > 418.8	4.61			7.89e2	1.24e4	0.795	bb	0.468	-6.5			
11	11	PFDA	513 > 468.8	4.90			2.37e2	1.16e4	0.256	bb	0.427	-14.6			
12	12	8:2 FTS	527 > 506.9	4.88			7.10e1	3.52e3	0.253	MM	0.430	-14.1			
13	13	13C3-PFBA	216.1 > 171.8	1.75			1.93e4	1.96e4	12.284	bb	12.8	2.4	4.47	0.960	0.0429
14	14	13C3-PFPeA	266>221.8	2.71			1.45e4	2.79e4	6.491	bb	12.3	-1.4	4.47	0.526	0.0235
15	15	13C3-PFBS	302.0 > 98.8	2.97			5.52e3	2.79e4	2.472	bd	11.9	-5.2	4.56	0.209	0.00950
16	16	13C2-PFHxA	315 > 269.8	3.33			7.12e3	2.79e4	3.187	bb	4.86	-2.7	4.68	0.655	0.0307
17	17	13C4-PFHpA	367.2 > 321.8	3.84			1.89e4	1.07e4	22.018	bb	11.6	-7.5	9.28	1.90	0.177
18	18	18O2-PFHxS	403 > 102.6	3.96			5.78e3	1.07e4	6.754	bd	11.7	-6.8	5.10	0.580	0.0296





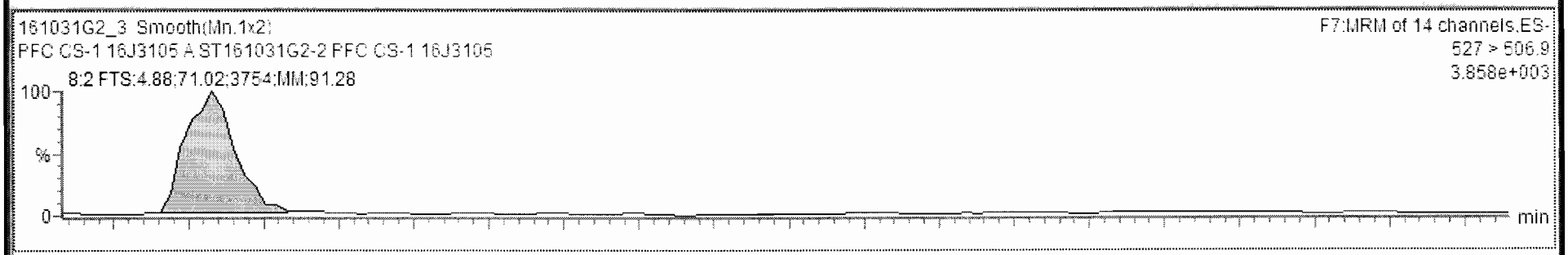
Ready 161031G2_3 CAP NUM

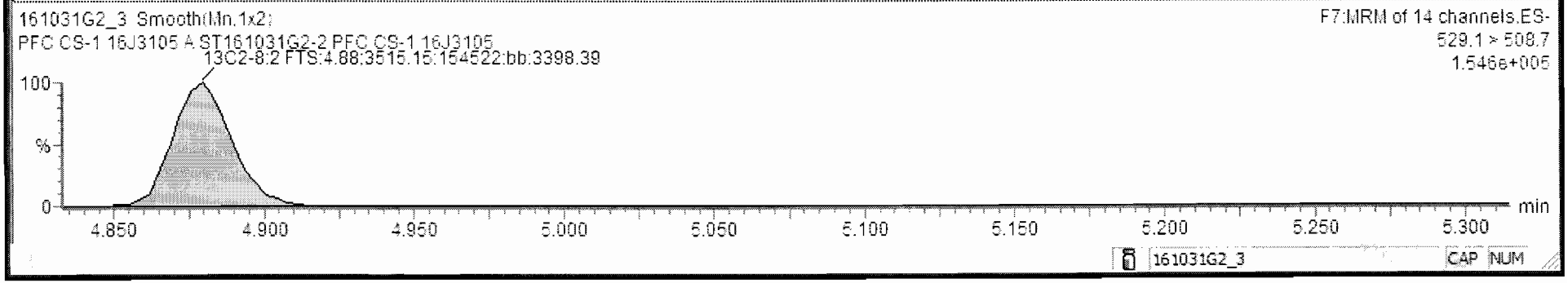
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_3 - ST161031G2-2 PFC CS-1 16J3105 - PFC CS-1 16J3105 A

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	4.94e2	0.321	0.641	1.000	1.76	0.475	95.0	0.0167526		0.9989
2	PFPeA	263.1 > 218.9	4.19e2	0.361	0.722	1.000	2.71	0.466	93.1	0.0370513		0.9990
3	PFBS	299 > 79.7	2.37e2	0.536	1.072	1.000	2.97	0.453	90.7	0.0681073		0.9987
4	PFHxA	313.2 > 268.9	4.48e2	0.315	0.629	1.000	3.33	0.520	103.9	0.0000000		0.9991
5	PFHpA	363 > 318.9	1.01e3	0.666	1.333	1.000	3.84	0.491	98.2	0.0232736		0.9990
6	PFHxS	398.9 > 79.6	3.01e2	0.651	1.301	1.000	3.97	0.455	90.9	0.0157119		0.9996
7	6:2 FTS	427.1 > 407	1.48e2	0.394	0.787	1.000	4.22	0.620	124.0	0.0142195		0.9774
8	PFOA	413 > 368.7	1.17e3	0.455	0.910	1.000	4.27	0.484	96.8	0.0000000		0.9981
9	PFOS	499 >79.9	1.46e2	0.267	0.533	1.000	4.68	0.366	73.3	0.0635175		0.9954
10	PFNA	463 > 418.8	7.89e2	0.795	1.590	1.000	4.61	0.468	93.5	0.0352554		0.9990
11	PFDA	513 > 468.8	2.37e2	0.256	0.513	1.000	4.90	0.427	85.4	0.0274466		0.9984
12	8:2 FTS	527 > 506.9	7.10e1	0.253	0.505	1.000	4.88					
13	13C3-PFBA	216.1 > 171.8	1.93e4	12.284	0.983	1.000	1.75	12.8	102.4	0.0164674	4.47	
14	13C3-PFPeA	266>221.8	1.45e4	6.491	0.519	1.000	2.71	12.3	98.6	0.0100124	4.47	





161031G2_3 CAP NUM

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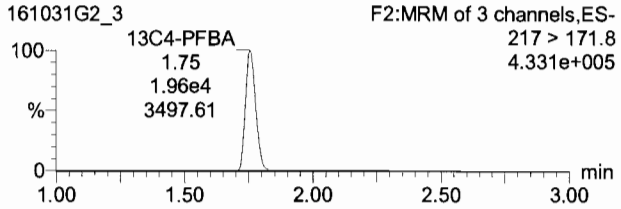
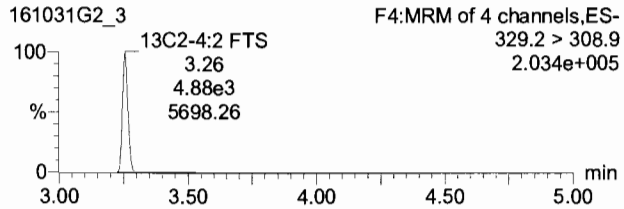
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_3, Date: 31-Oct-2016, Time: 17:26:29, ID: ST161031G2-2 PFC CS-1 16J3105, Description: PFC CS-1 16J3105 A

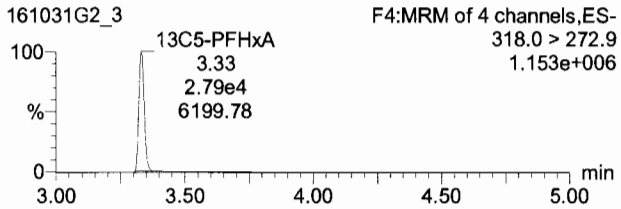
13C4-PFBA



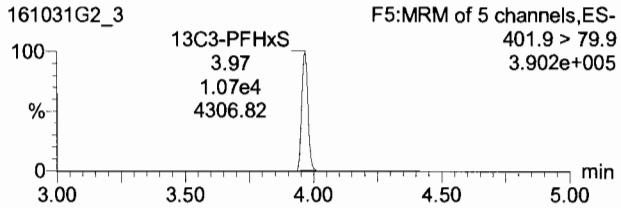
13C2-4:2 FTS



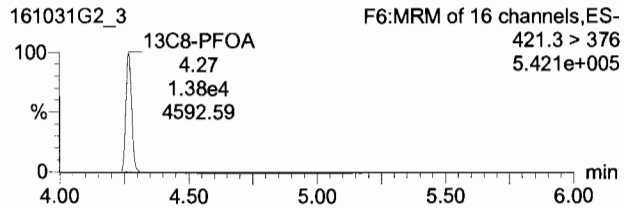
13C5-PFHxA



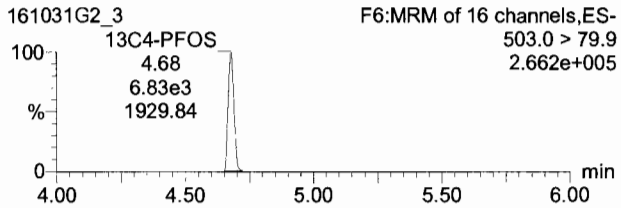
13C3-PFHxS



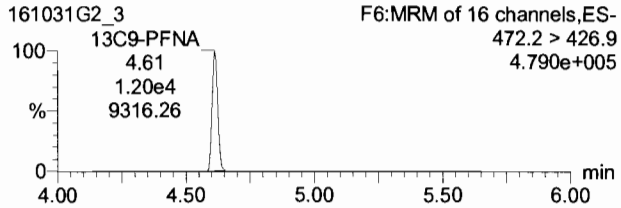
13C8-PFOA



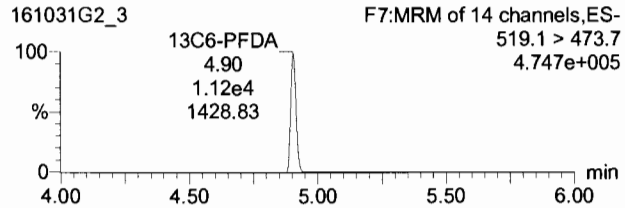
13C4-PFOS



13C9-PFNA



13C6-PFDA



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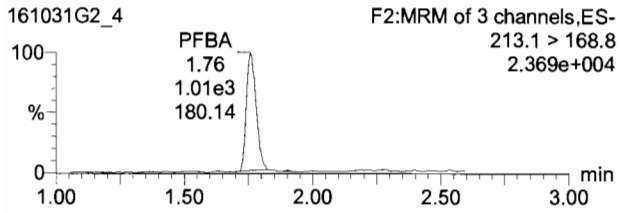
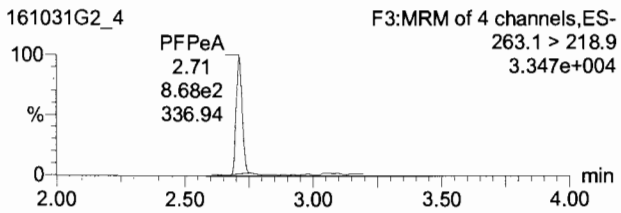
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_4, Date: 31-Oct-2016, Time: 17:39:06, ID: ST161031G2-3 PFC CS0 16J3107, Description: PFC CS0 16J3107 A

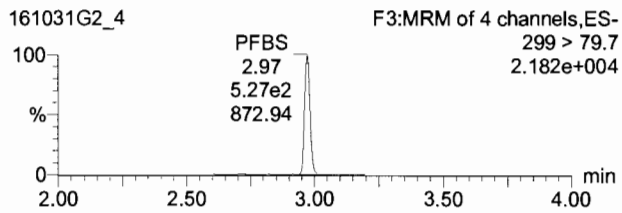
PFBA



PFPeA



PFBS



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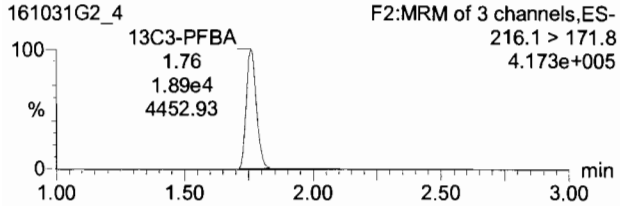
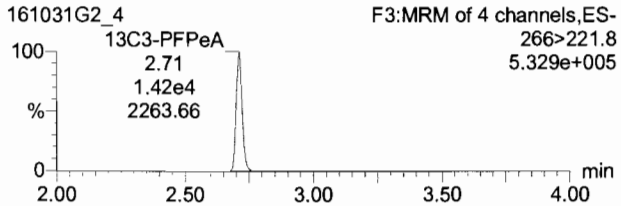
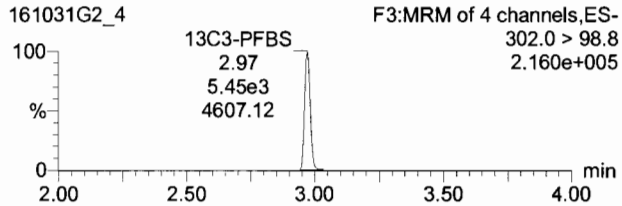


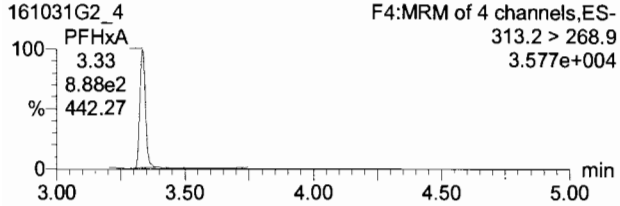
13C3-PFPeA



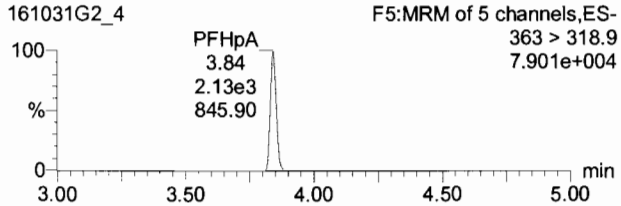
13C3-PFBS



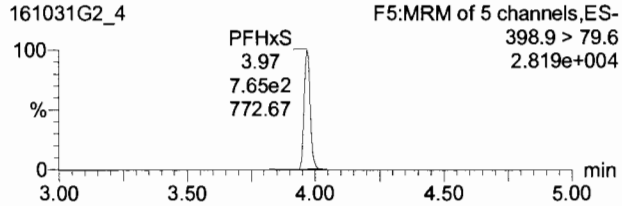
PFHxA



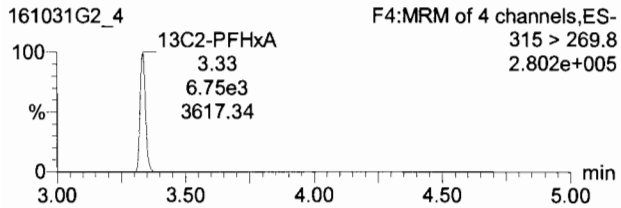
PFHpA



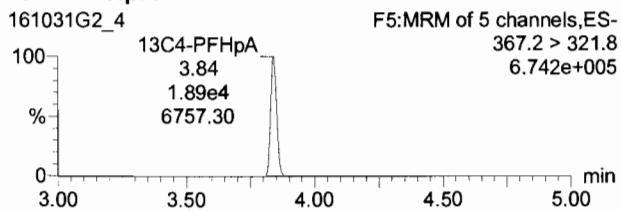
PFHxS



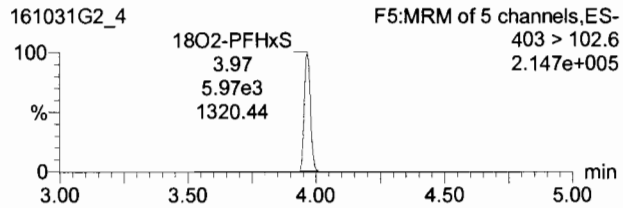
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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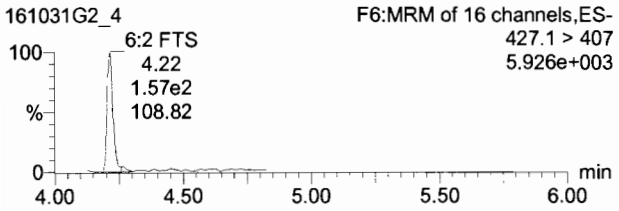
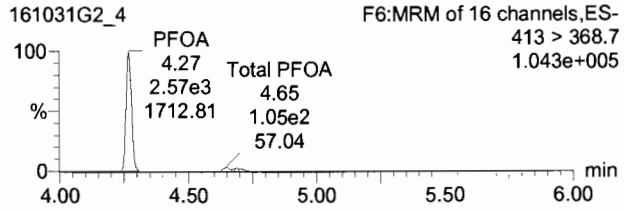
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_4, Date: 31-Oct-2016, Time: 17:39:06, ID: ST161031G2-3 PFC CS0 16J3107, Description: PFC CS0 16J3107 A

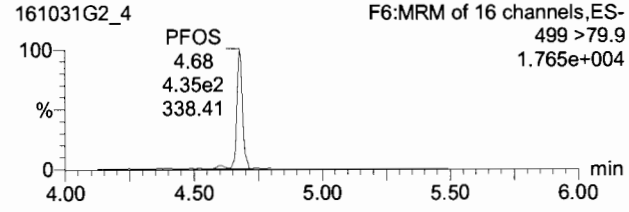
6:2 FTS



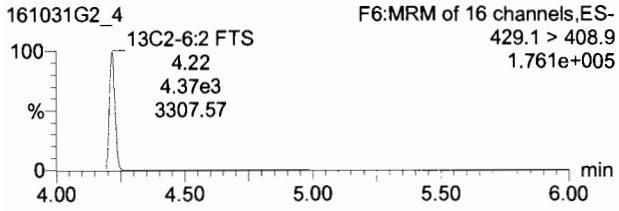
PFOA



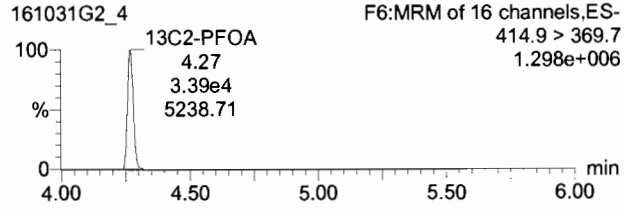
PFOS



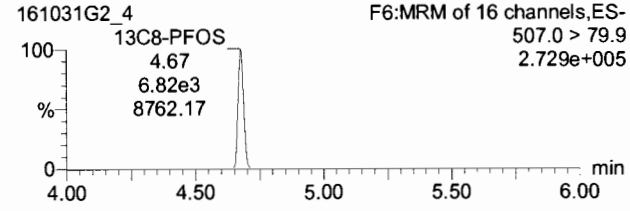
13C2-6:2 FTS



13C2-PFOA



13C8-PFOS



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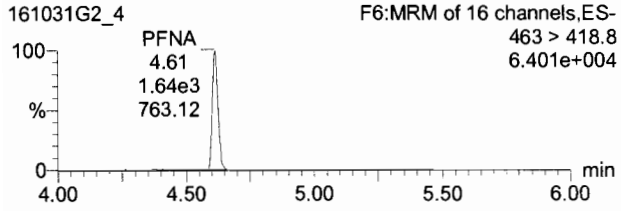
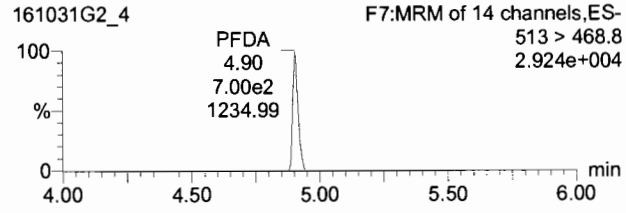
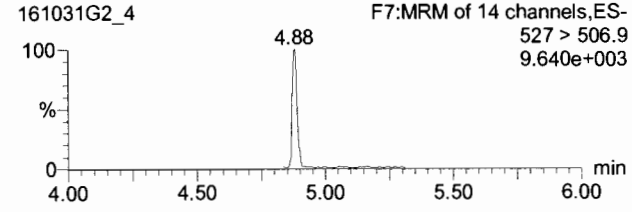


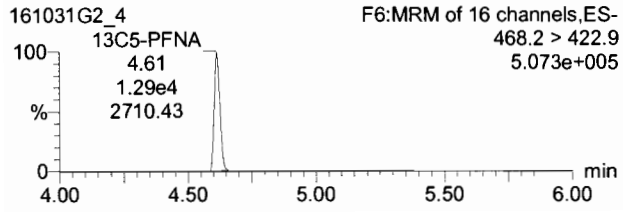
PFDA



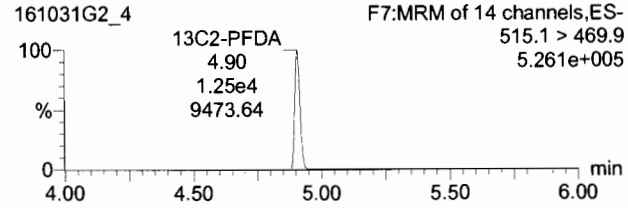
8:2 FTS



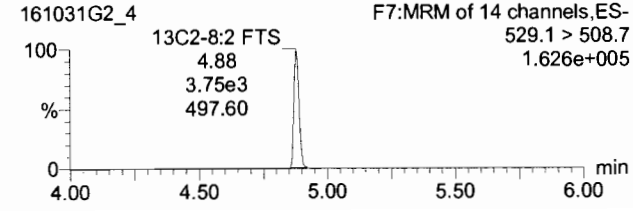
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS

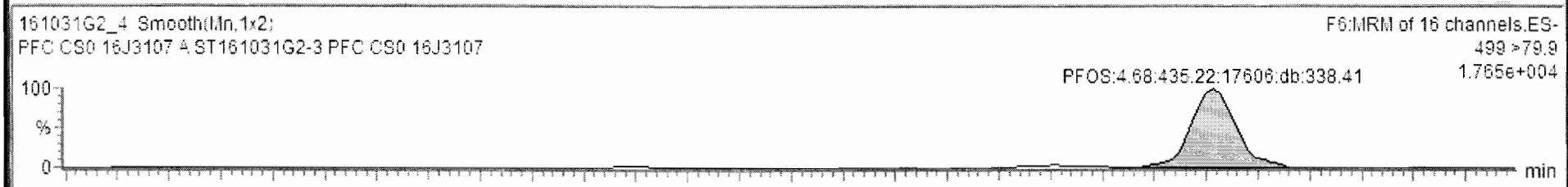


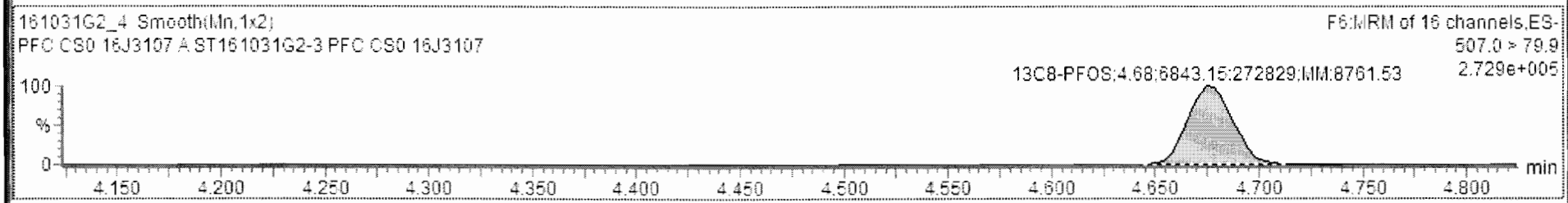
TargetLynx - 161031G2-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_4 - ST161031G2-3 PFC CS0 16J3107 - PFC CS0 16J3107 A

	#	Name	Trace	RT	RA	y/n	Area	IS Area	Response	Primary Flags	Conc.	%Dev	%RSD	RRF M...	RRF SD
1	1	PFBA	213.1 > 168.8	1.76			1.01e3	1.89e4	0.672	bb	0.991	-0.9			
2	2	PFPeA	263.1 > 218.9	2.71			8.68e2	1.42e4	0.763	bb	0.960	-4.0			
3	3	PFBS	299 > 79.7	2.97			5.27e2	5.45e3	1.207	bb	0.938	-6.2			
4	4	PFHxA	313.2 > 268.9	3.33			8.88e2	6.75e3	0.658	bb	1.11	10.9			
5	5	PFHpA	363 > 318.9	3.84			2.13e3	1.89e4	1.409	bb	1.01	1.5			
6	6	PFHxS	398.9 > 79.6	3.97			7.65e2	5.97e3	1.601	bb	1.10	9.9			
7	7	6:2 FTS	427.1 > 407	4.22			1.57e2	4.37e3	0.449	bd	0.720	-28.0			
8	8	PFOA	413 > 368.7	4.27			2.57e3	3.39e4	0.949	bb	1.03	2.7			
9	9	PFOS	499 >79.9	4.68			4.35e2	6.84e3	0.795	db	0.977	-2.3			
10	10	PFNA	463 > 418.8	4.61			1.64e3	1.29e4	1.596	bd	0.905	-9.5			
11	11	PFDA	513 > 468.8	4.90			7.00e2	1.25e4	0.698	bb	1.12	11.7			
12	12	8:2 FTS	527 > 506.9	4.88			2.05e2	3.75e3	0.682	MM	1.14	14.4			
13	13	13C3-PFBA	216.1 > 171.8	1.76			1.89e4	2.04e4	11.579	bb	12.1	-3.5	4.47	0.960	0.0429
14	14	13C3-PFPeA	266>221.8	2.71			1.42e4	2.75e4	6.459	bb	12.3	-1.8	4.47	0.526	0.0235
15	15	13C3-PFBS	302.0 > 98.8	2.97			5.45e3	2.75e4	2.480	bd	11.9	-4.8	4.56	0.209	0.00950
16	16	13C2-PFHxA	315 > 269.8	3.33			6.75e3	2.75e4	3.068	bd	4.68	-6.4	4.68	0.655	0.0307
17	17	13C4-PFHpA	367.2 > 321.8	3.84			1.89e4	1.13e4	20.948	bb	11.0	-12.0	9.28	1.90	0.177
18	18	18O2-PFHxS	403 > 102.6	3.97			5.97e3	1.13e4	6.629	bb	11.4	-8.5	5.10	0.580	0.0296





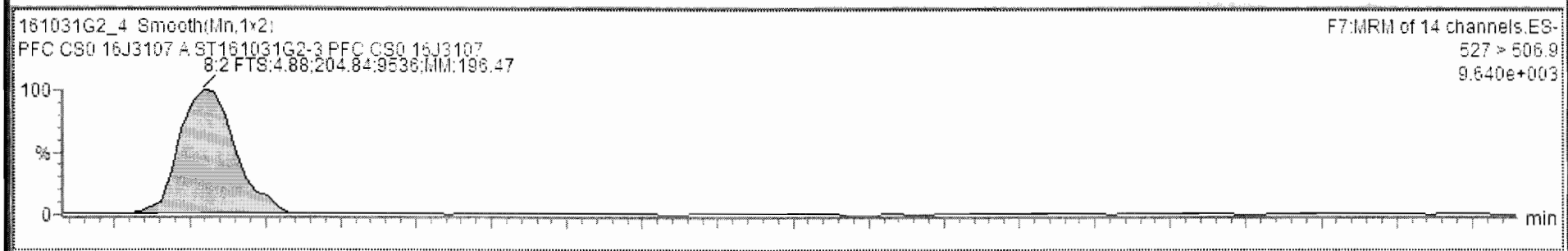
161031G2_4 CAP NUM

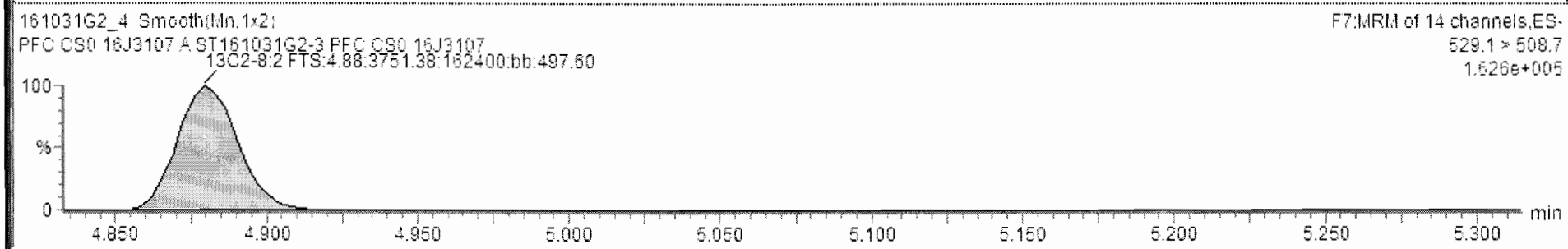
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_4 - ST161031G2-3 PFC CS0 16J3107 - PFC CS0 16J3107 A

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	1.01e3	0.672	0.672	1.000	1.76	0.991	99.1	0.0175301		0.9989
2	PFPeA	263.1 > 218.9	8.68e2	0.763	0.763	1.000	2.71	0.960	96.0	0.0291939		0.9990
3	PFBS	299 > 79.7	5.27e2	1.207	1.207	1.000	2.97	0.938	93.8	0.0684562		0.9987
4	PFHxA	313.2 > 268.9	8.88e2	0.658	0.658	1.000	3.33	1.11	110.9	0.0000000		0.9991
5	PFHpA	363 > 318.9	2.13e3	1.409	1.409	1.000	3.84	1.01	101.5	0.0241869		0.9990
6	PFHxS	398.9 > 79.6	7.65e2	1.601	1.601	1.000	3.97	1.10	109.9	0.0164003		0.9996
7	6:2 FTS	427.1 > 407	1.57e2	0.449	0.449	1.000	4.22	0.708	70.8	0.0124129		0.9774
8	PFOA	413 > 368.7	2.57e3	0.949	0.949	1.000	4.27	1.03	102.7	0.0000000		0.9981
9	PFOS	499 >79.9	4.35e2	0.798	0.798	1.000	4.68	0.983	98.3	0.0636126		0.9954
10	PFNA	463 > 418.8	1.64e3	1.596	1.596	1.000	4.61	0.905	90.5	0.0356233		0.9990
11	PFDA	513 > 468.8	7.00e2	0.698	0.698	1.000	4.90	1.12	111.7	0.0284894		0.9984
12	8:2 FTS	527 > 506.9	2.05e2	0.683	0.683	1.000	4.88	1.00	100.0	0.0276734		1.0000
13	13C3-PFBA	216.1 > 171.8	1.89e4	11.579	0.926	1.000	1.76	12.1	96.5	0.0068688	4.47	
14	13C3-PFPeA	266>221.8	1.42e4	8.459	0.517	1.000	2.71	12.3	98.2	0.0122752	4.47	





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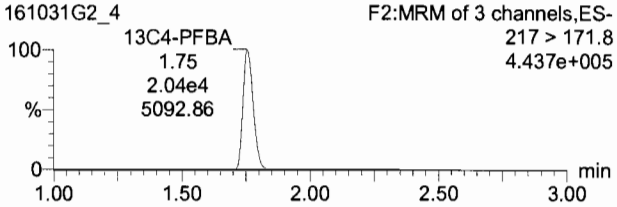
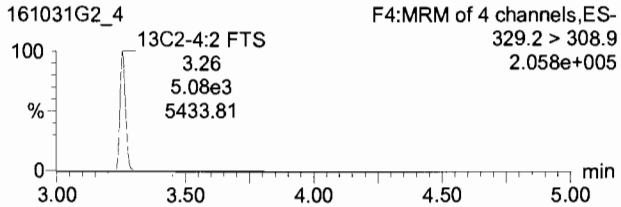
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_4, Date: 31-Oct-2016, Time: 17:39:06, ID: ST161031G2-3 PFC CS0 16J3107, Description: PFC CS0 16J3107 A

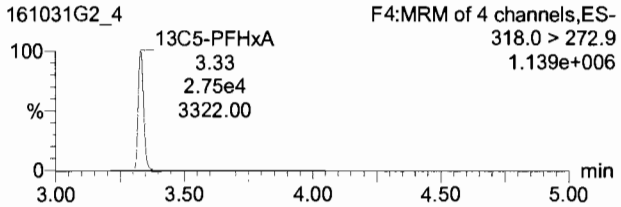
13C4-PFBA



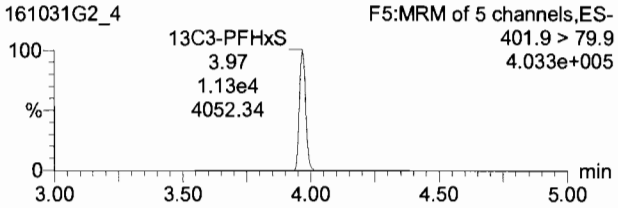
13C2-4:2 FTS



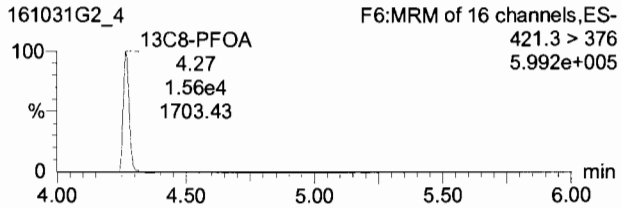
13C5-PFHxA



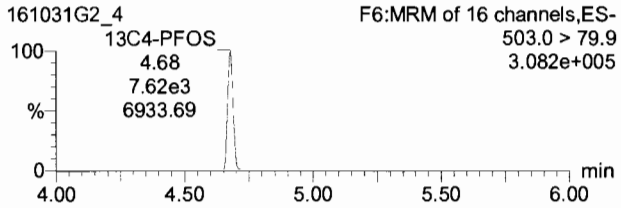
13C3-PFHxS



13C8-PFOA



13C4-PFOS



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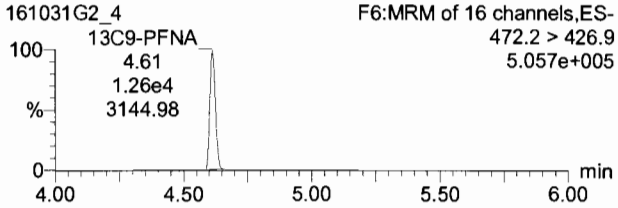

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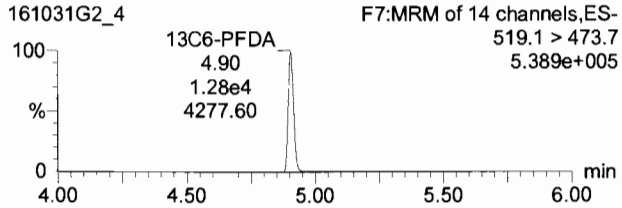

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Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
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Name: 161031G2_5, Date: 31-Oct-2016, Time: 17:51:42, ID: ST161031G2-4 PFC CS1 16J2706, Description: PFC CS1 16J2706 A

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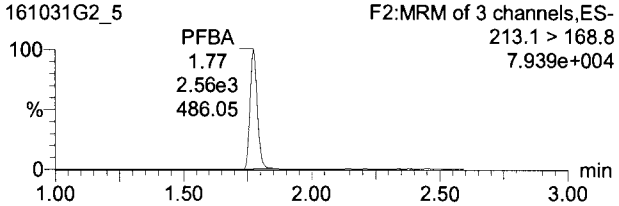

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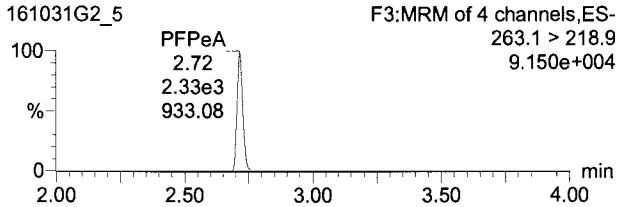

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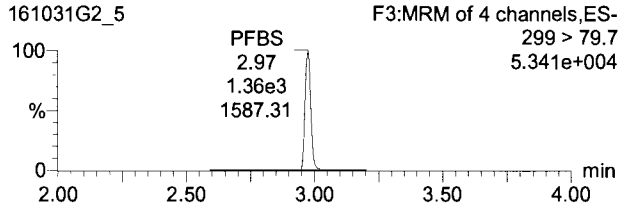

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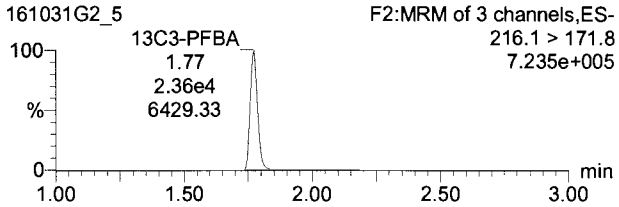

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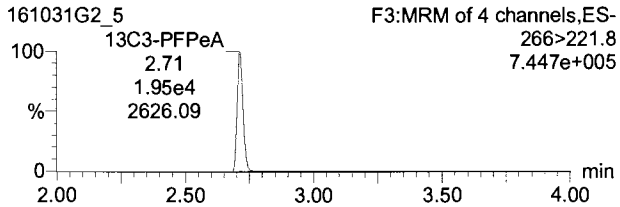

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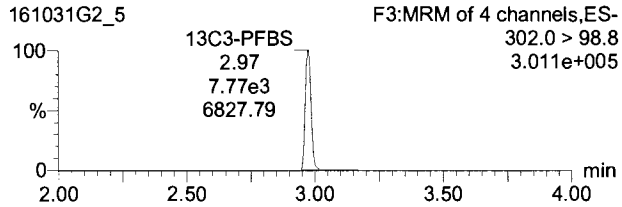

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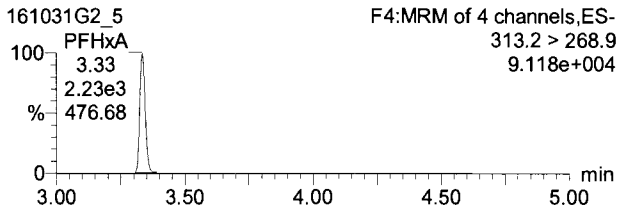

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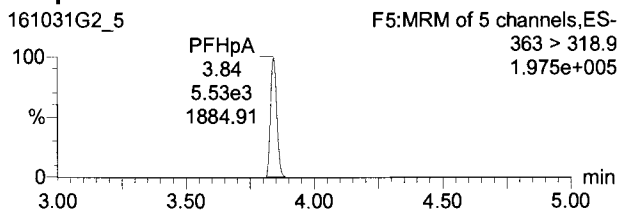

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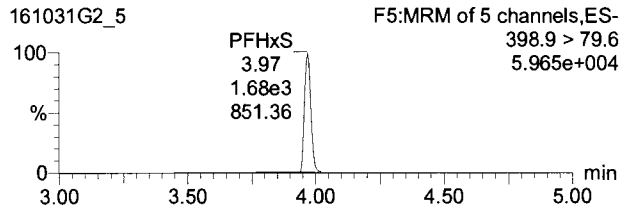

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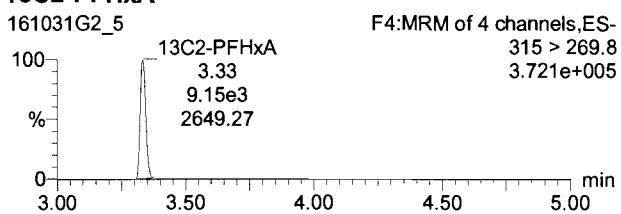

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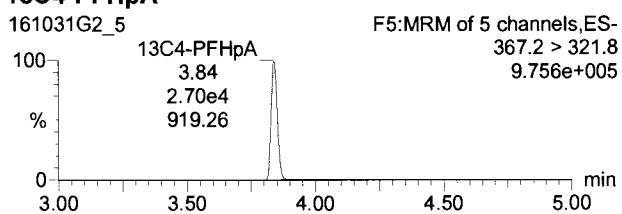
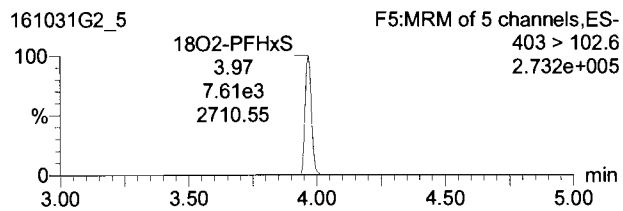


18O2-PFHxS



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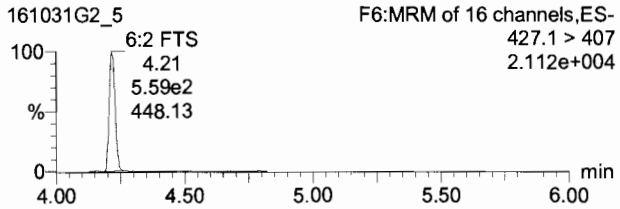
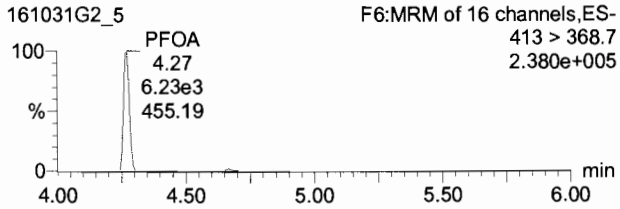
Name: 161031G2_5, Date: 31-Oct-2016, Time: 17:51:42, ID: ST161031G2-4 PFC CS1 16J2706, Description: PFC CS1 16J2706 A

6:2 FTS



PFOA



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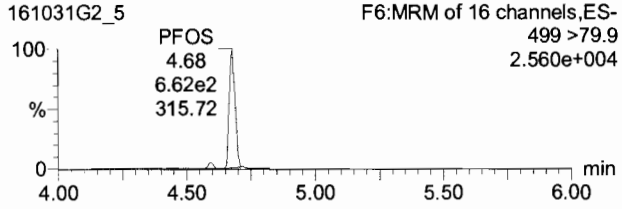
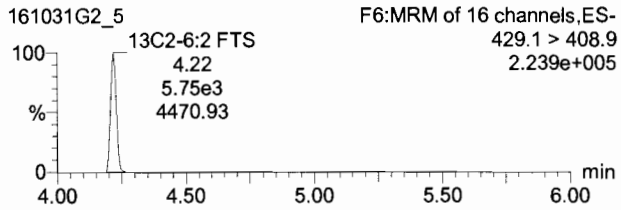


13C2-6:2 FTS



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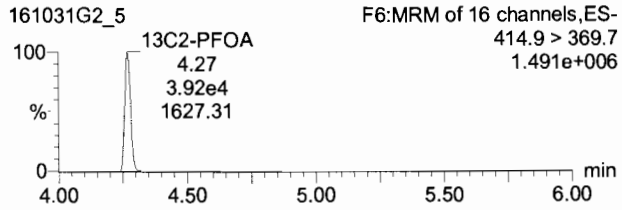

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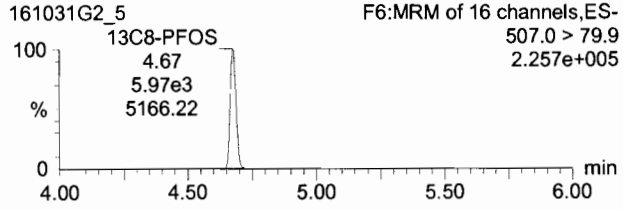

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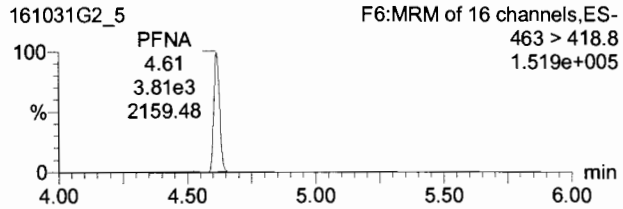

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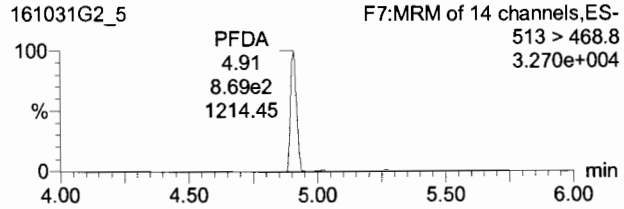
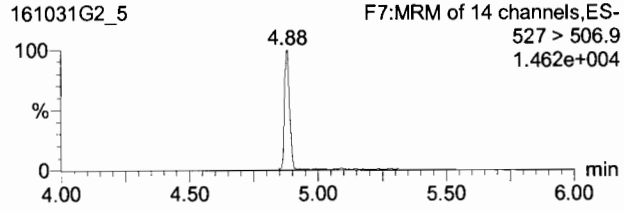
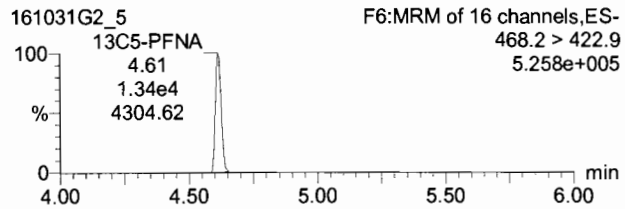


8:2 FTS



13C5-PFNA



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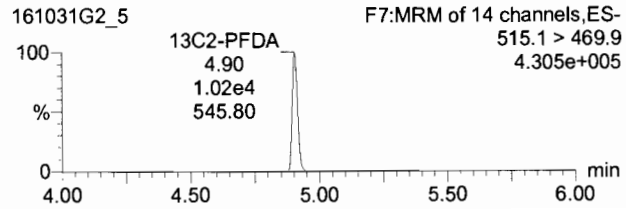
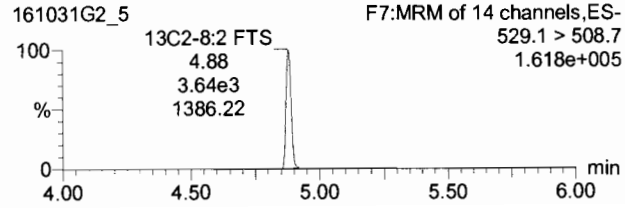


13C2-8:2 FTS

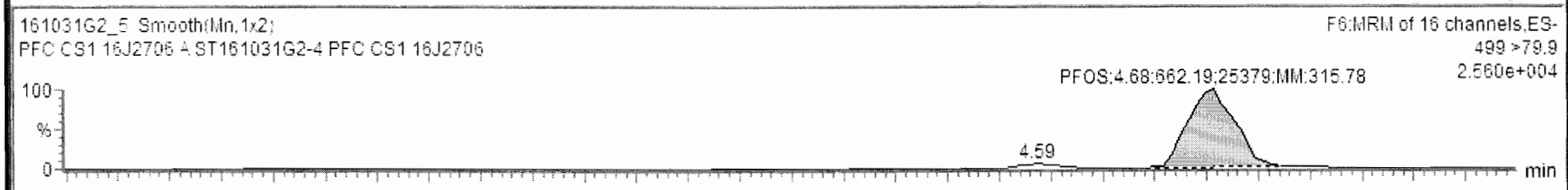


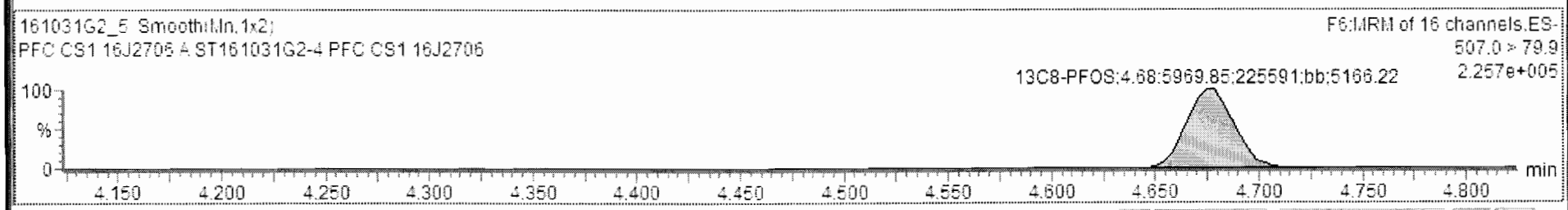
TargetLynx - 161031G2-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_5 - ST161031G2-4 PFC CS1 16J2706 - PFC CS1 16J2706 A

	#	Name	Trace	RT	RA	y/n	Area	IS Area	Response	Primary Flags	Conc.	%Dev	%RSD	RRF M...	RRF SD
1	1	PFBA	213.1 > 168.8	1.77			2.56e3	2.36e4	1.355	bb	2.00	-0.2			
2	2	PFPeA	263.1 > 218.9	2.71			2.33e3	1.95e4	1.490	bb	1.85	-7.3			
3	3	PFBS	299 > 79.7	2.97			1.36e3	7.77e3	2.181	bb	1.64	-17.9			
4	4	PFHxA	313.2 > 268.9	3.33			2.23e3	9.15e3	1.219	bd	2.07	3.5			
5	5	PFHpA	363 > 318.9	3.84			5.53e3	2.70e4	2.562	bb	1.83	-8.6			
6	6	PFHxS	398.9 > 79.6	3.97			1.68e3	7.61e3	2.759	bb	1.89	-5.7			
7	7	6:2 FTS	427.1 > 407	4.21			5.59e2	5.75e3	1.215	bb	1.90	-5.2			
8	8	PFOA	413 > 368.7	4.27			6.23e3	3.92e4	1.985	bb	2.17	8.3			
9	9	PFOS	499 >79.9	4.68			6.62e2	5.97e3	1.387	MM	1.66	-16.8			
10	10	PFNA	463 > 418.8	4.61			3.81e3	1.34e4	3.560	bb	1.98	-1.0			
11	11	PFDA	513 > 468.8	4.91			8.69e2	1.02e4	1.062	bb	1.69	-15.7			
12	12	8:2 FTS	527 > 506.9	4.88			3.27e2	3.84e3	1.122	MM	1.88	-6.2			
13	13	13C3-PFBA	216.1 > 171.8	1.77			2.36e4	2.55e4	11.604	bb	12.1	-3.3	4.47	0.960	0.0429
14	14	13C3-PFPeA	266>221.8	2.71			1.95e4	3.57e4	6.836	bb	13.0	3.9	4.47	0.526	0.0235
15	15	13C3-PFBS	302.0 > 98.8	2.97			7.77e3	3.57e4	2.721	bb	13.1	4.4	4.56	0.209	0.00950
16	16	13C2-PFHxA	315 > 269.8	3.33			9.15e3	3.57e4	3.204	bb	4.89	-2.2	4.68	0.655	0.0307
17	17	13C4-PFHpA	367.2 > 321.8	3.84			2.70e4	1.28e4	26.372	bb	13.8	10.8	9.28	1.90	0.177
18	18	18O2-PFHxS	403 > 102.6	3.97			7.61e3	1.28e4	7.441	bb	12.8	2.7	5.10	0.580	0.0296





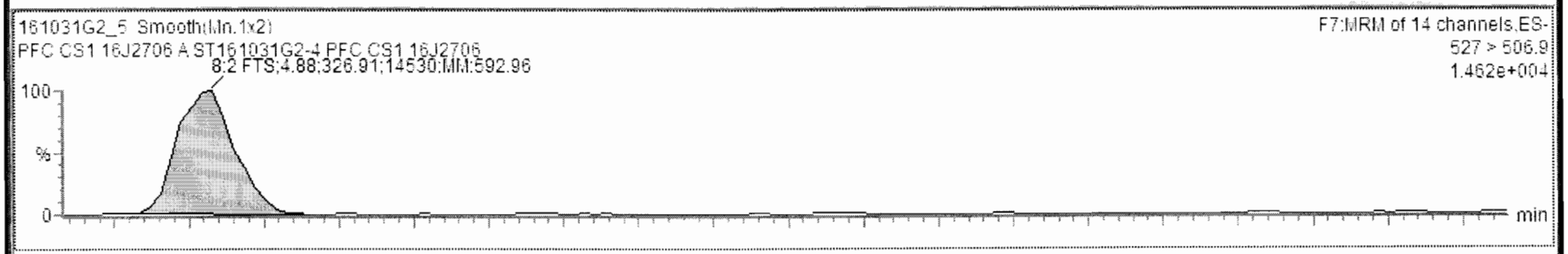
Ready 161031G2_5 CAP NUM

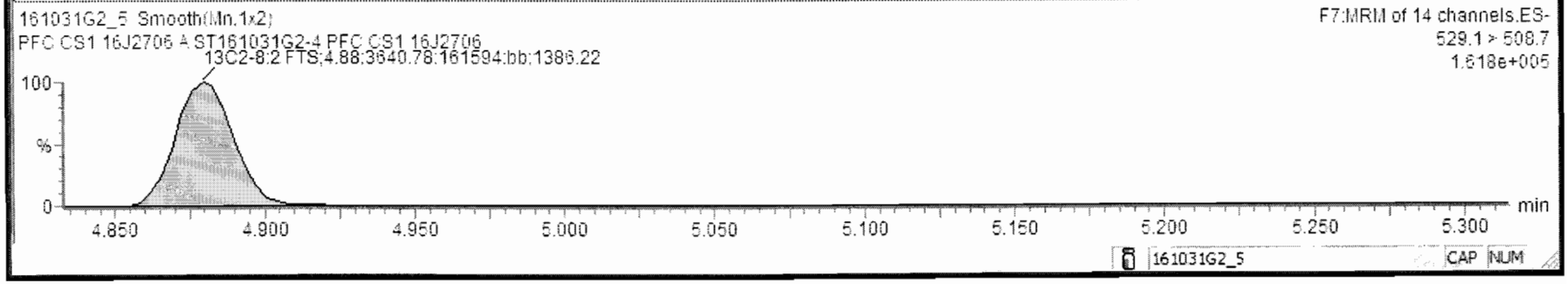
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_5 - ST161031G2-4 PFC CS1 16J2706 - PFC CS1 16J2706 A

	Name	Trace	Area	Response	RRF	Wt/VoL	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	2.56e3	1.355	0.676	1.000	1.77	2.00	99.8	0.0136362		0.9989
2	PFPeA	263.1 > 218.9	2.33e3	1.490	0.745	1.000	2.72	1.85	92.7	0.0271575		0.9990
3	PFBS	299 > 79.7	1.36e3	2.181	1.090	1.000	2.97	1.64	82.1	0.0683733		0.9987
4	PFHxA	313.2 > 268.9	2.23e3	1.219	0.610	1.000	3.33	2.07	103.5	0.0000000		0.9991
5	PFHpA	363 > 318.9	5.53e3	2.562	1.281	1.000	3.84	1.83	91.4	0.0234992		0.9990
6	PFHxS	398.9 > 79.8	1.68e3	2.759	1.379	1.000	3.97	1.89	94.3	0.0182447		0.9996
7	6:2 FTS	427.1 > 407	5.59e2	1.215	0.608	1.000	4.21	1.93	96.4	0.0075298		0.9774
8	PFOA	413 > 368.7	6.23e2	1.985	0.993	1.000	4.27	2.17	108.3	0.0000000		0.9981
9	PFOS	499 >79.9	6.62e2	1.386	0.693	1.000	4.68	1.67	83.3	0.0696217		0.9954
10	PFNA	463 > 418.8	3.81e3	3.560	1.780	1.000	4.61	1.98	99.0	0.0352851		0.9990
11	PFDA	513 > 468.8	8.69e2	1.062	0.531	1.000	4.91	1.69	84.3	0.0293485		0.9984
12	8:2 FTS	527 > 506.9	3.27e2	1.122	0.561	1.000	4.88	1.95	97.4	0.0153251		0.9867
13	13C3-PFBA	216.1 > 171.8	2.36e4	11.604	0.928	1.000	1.77	12.1	96.7	0.0047486	4.47	
14	13C3-PFPeA	266>221.8	1.95e4	6.836	0.547	1.000	2.71	13.0	103.9	0.0115528	4.47	





161031G2_5 CAP NUM

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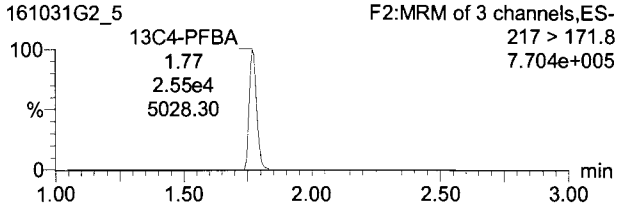
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_5, Date: 31-Oct-2016, Time: 17:51:42, ID: ST161031G2-4 PFC CS1 16J2706, Description: PFC CS1 16J2706 A

13C4-PFBA



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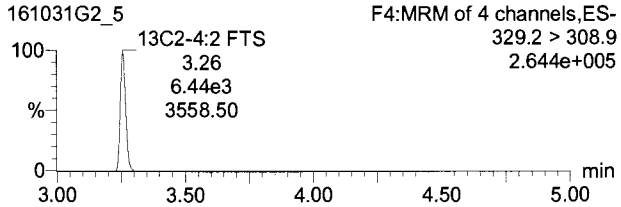
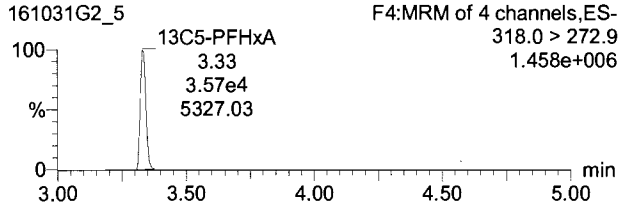


13C5-PFHxA



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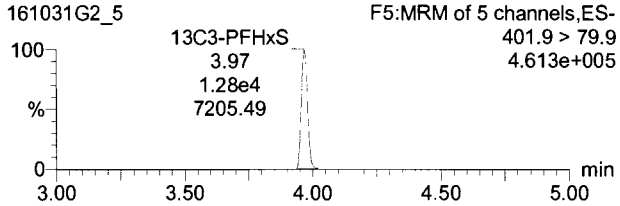

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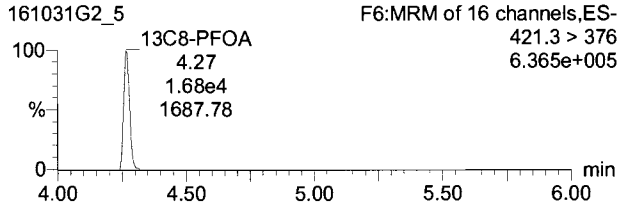

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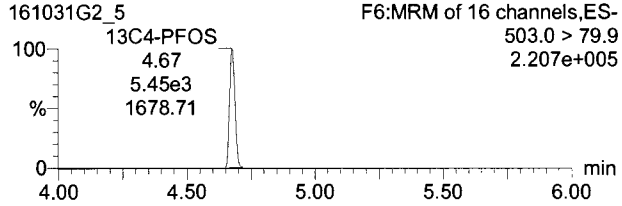

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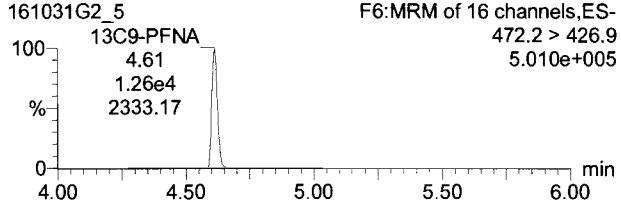
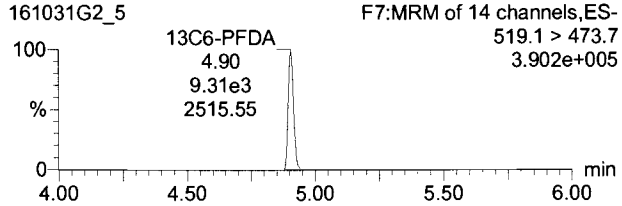


13C6-PFDA



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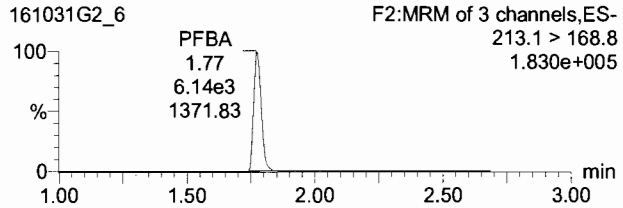
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_6, Date: 31-Oct-2016, Time: 18:04:20, ID: ST161031G2-5 PFC CS2 16J2707, Description: PFC CS2 16J2707 A

PFBA



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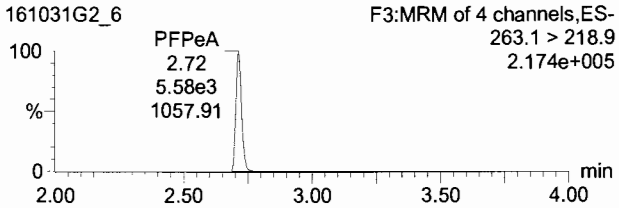

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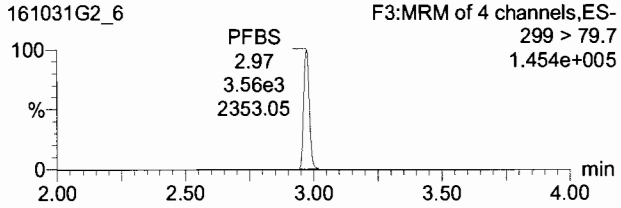

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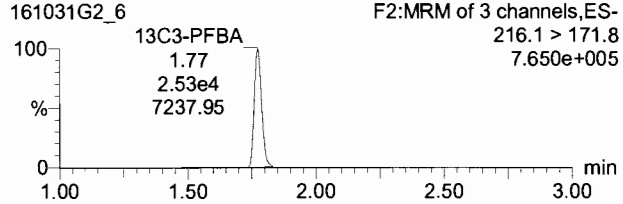

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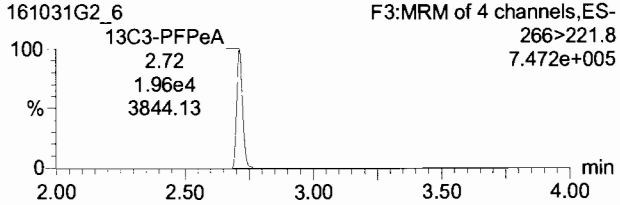

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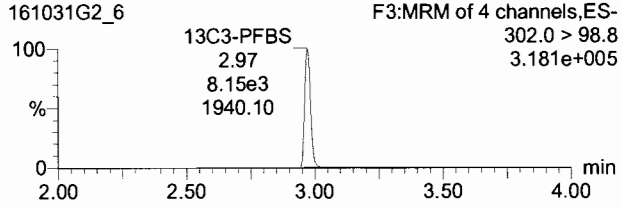

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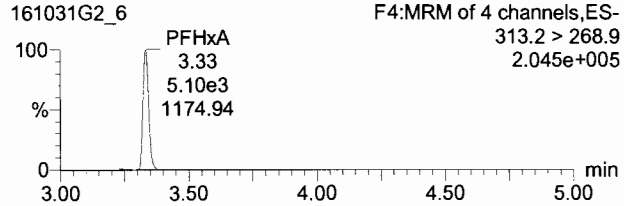

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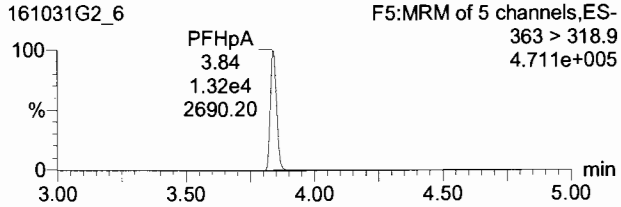

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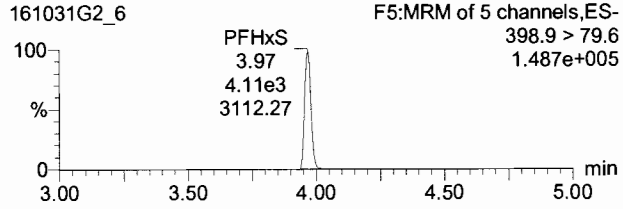

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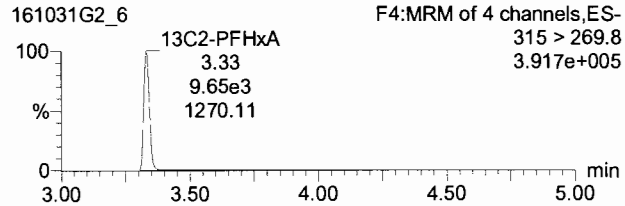

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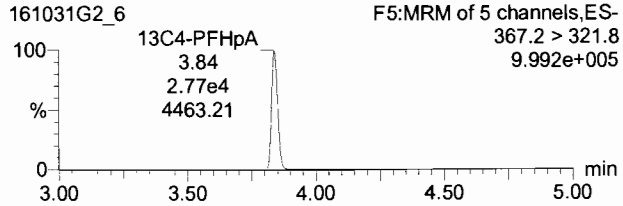

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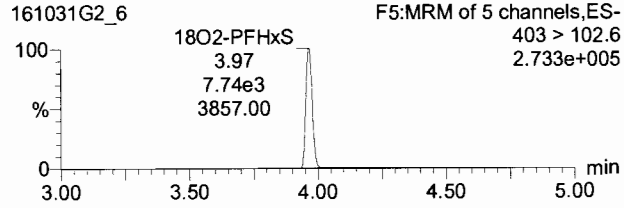

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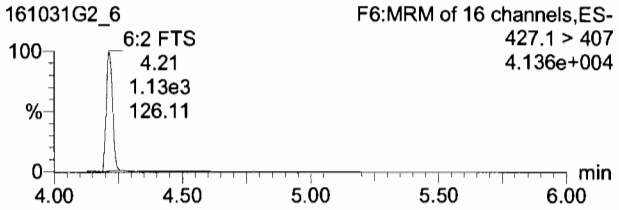
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_6, Date: 31-Oct-2016, Time: 18:04:20, ID: ST161031G2-5 PFC CS2 16J2707, Description: PFC CS2 16J2707 A

6:2 FTS



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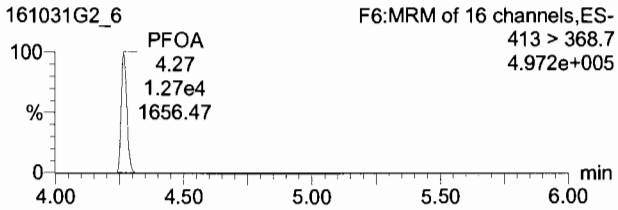
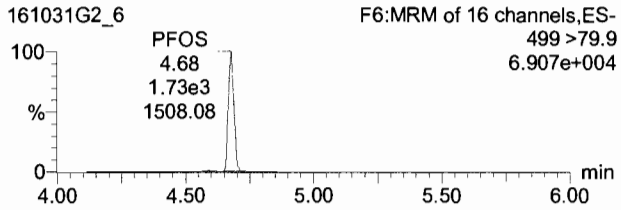


PFOS



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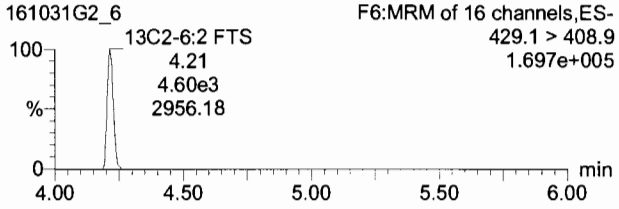

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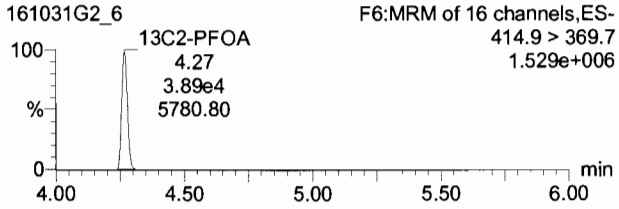
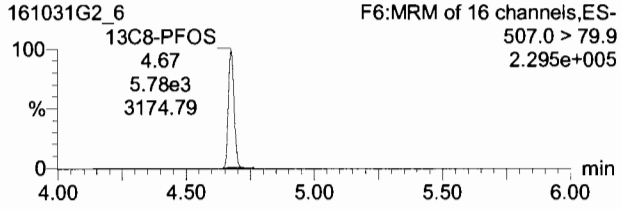


13C8-PFOS



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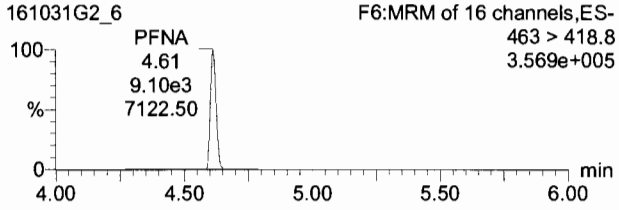

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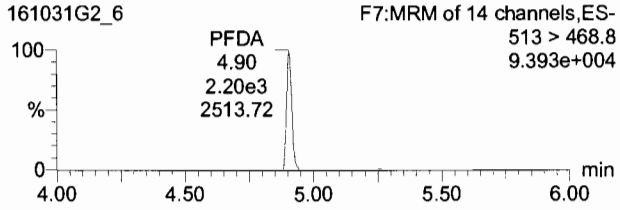
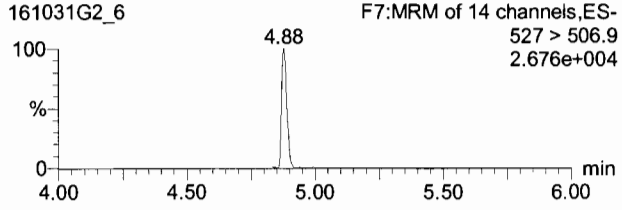


8:2 FTS



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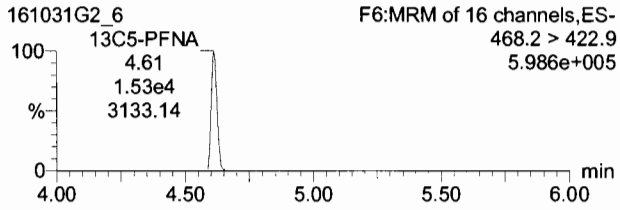

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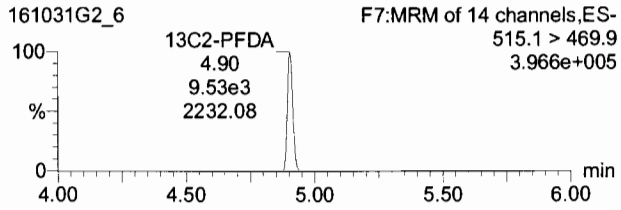
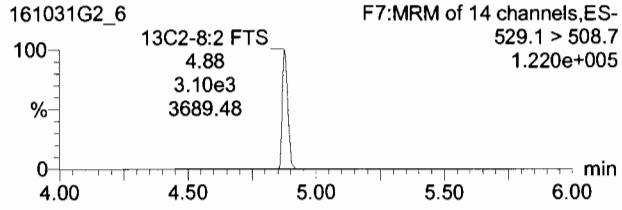


13C2-8:2 FTS



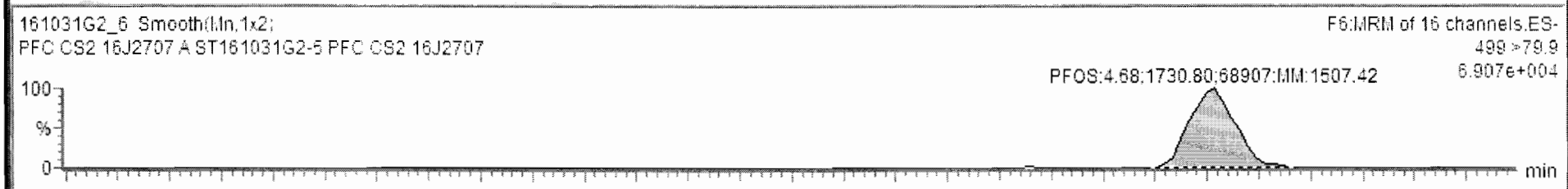
TargetLynx - 161031G2-CRV.qld - [Chromatogram]

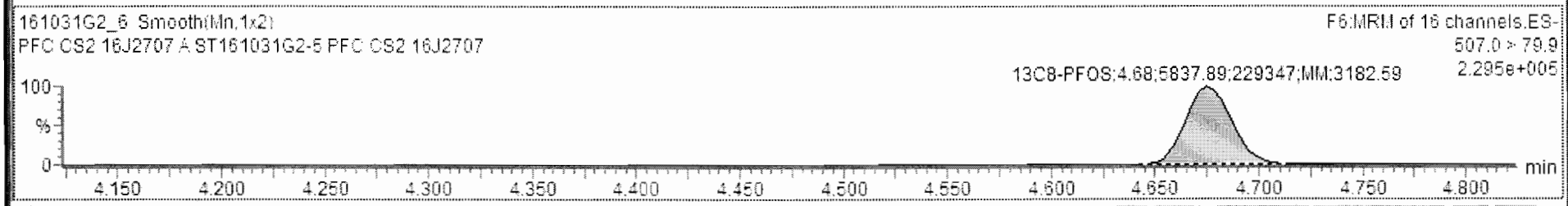
File Edit View Display Processing Window Help

161031G2_6 - ST161031G2-5 PFC CS2 16J2707 - PFC CS2 16J2707 A

Display Default

	#	Name	Trace	RT	RA	y/n	Area	IS Area	Response	Primary Flags	Conc.	%Dev	%RSD	RRF M...	RRF SD
1	1	PFBA	213.1 > 168.8	1.77			6.14e3	2.53e4	3.037	bb	4.47	-10.6			
2	2	PFPeA	263.1 > 218.9	2.71			5.58e3	1.96e4	3.559	bb	4.39	-12.1			
3	3	PFBS	299 > 79.7	2.97			3.56e3	8.15e3	5.467	bb	4.02	-19.7			
4	4	PFHxA	313.2 > 268.9	3.33			5.10e3	9.65e3	2.642	bd	4.51	-9.8			
5	5	PFHpA	363 > 318.9	3.84			1.32e4	2.77e4	5.947	bb	4.22	-15.7			
6	6	PFHxS	398.9 > 79.6	3.97			4.11e3	7.74e3	6.644	bd	4.52	-9.5			
7	7	6:2 FTS	427.1 > 407	4.21			1.13e3	4.60e3	3.085	bb	4.80	-3.9			
8	8	PFOA	413 > 368.7	4.27			1.27e4	3.89e4	4.086	bd	4.47	-10.5			
9	9	PFOS	499 >79.9	4.68			1.73e3	5.84e3	3.706	MM	4.36	-12.8			
10	10	PFNA	463 > 418.8	4.61			9.10e3	1.53e4	7.439	bb	4.10	-18.0			
11	11	PFDA	513 > 468.8	4.90			2.20e3	9.53e3	2.881	bb	4.53	-9.4			
12	12	8:2 FTS	527 > 506.9	4.88			8.54e2	3.10e3	2.636	MM	4.41	-11.7			
13	13	13C3-PFBA	216.1 > 171.8	1.77			2.53e4	2.58e4	12.231	bb	12.7	1.9	4.47	0.960	0.0429
14	14	13C3-PFPeA	266>221.8	2.71			1.96e4	3.66e4	6.697	bb	12.7	1.8	4.47	0.526	0.0235
15	15	13C3-PFBS	302.0 > 98.8	2.97			8.15e3	3.66e4	2.784	bb	13.4	6.8	4.56	0.209	0.00950
16	16	13C2-PFHxA	315 > 269.8	3.33			9.65e3	3.66e4	3.295	bb	5.03	0.6	4.68	0.655	0.0307
17	17	13C4-PFHpA	367.2 > 321.8	3.84			2.77e4	1.30e4	26.730	bd	14.0	12.3	9.28	1.90	0.177
18	18	18O2-PFHxS	403 > 102.6	3.97			7.74e3	1.30e4	7.463	bb	12.9	3.0	5.10	0.580	0.0296





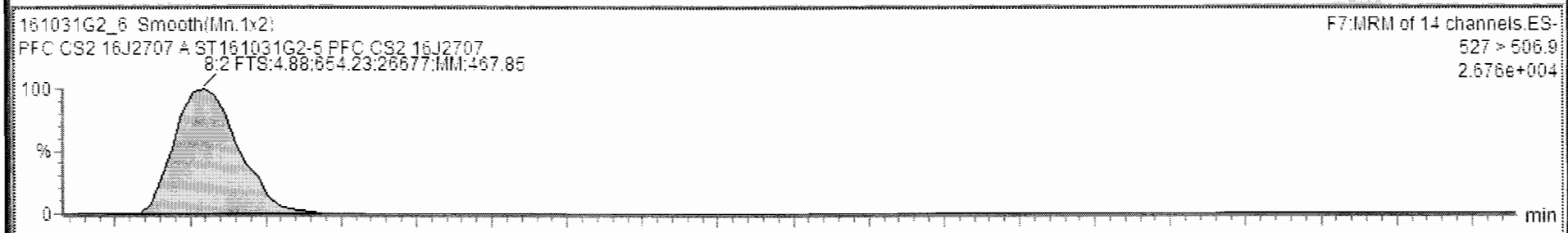
Display default range 161031G2_6 CAP NUM

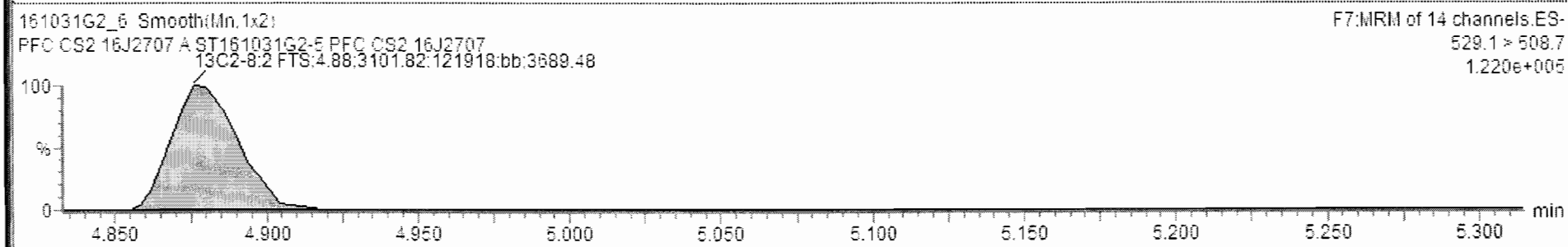
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_6 - ST161031G2-5 PFC CS2 16J2707 - PFC CS2 16J2707 A

	Name	Trace	Area	Response	RRF	Wt/VoL	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	6.14e3	3.037	0.607	1.000	1.77	4.47	89.4	0.0112945		0.9989
2	PFPeA	263.1 > 218.9	5.58e3	3.559	0.712	1.000	2.72	4.39	87.9	0.0326664		0.9990
3	PFBS	299 > 79.7	3.56e3	5.467	1.093	1.000	2.97	4.02	80.3	0.0702377		0.9987
4	PFHxA	313.2 > 268.9	5.10e3	2.642	0.528	1.000	3.33	4.51	90.2	0.0000000		0.9991
5	PFHpA	363 > 318.9	1.32e4	5.947	1.189	1.000	3.84	4.22	84.3	0.0249966		0.9990
6	PFHxS	398.9 > 79.8	4.11e3	6.644	1.329	1.000	3.97	4.52	90.5	0.0165204		0.9996
7	6:2 FTS	427.1 > 407	1.13e3	3.085	0.617	1.000	4.21	4.94	98.8	0.0921423		0.9774
8	PFOA	413 > 368.7	1.27e4	4.086	0.817	1.000	4.27	4.47	89.5	0.0000000		0.9981
9	PFOS	499 >79.9	1.73e3	3.747	0.749	1.000	4.68	4.41	88.2	0.0639439		0.9954
10	PFNA	463 > 418.8	9.10e3	7.439	1.488	1.000	4.61	4.10	82.0	0.0344292		0.9990
11	PFDA	513 > 468.8	2.20e3	2.881	0.576	1.000	4.90	4.53	90.6	0.0308904		0.9984
12	8:2 FTS	527 > 506.9	6.54e2	2.636	0.527	1.000	4.88	5.01	100.2	0.0300562		0.9941
13	13C3-PFBA	216.1 > 171.8	2.53e4	12.231	0.978	1.000	1.77	12.7	101.9	0.0043832	4.47	
14	13C3-PFPeA	266>221.8	1.96e4	6.697	0.536	1.000	2.72	12.7	101.8	0.0075877	4.47	





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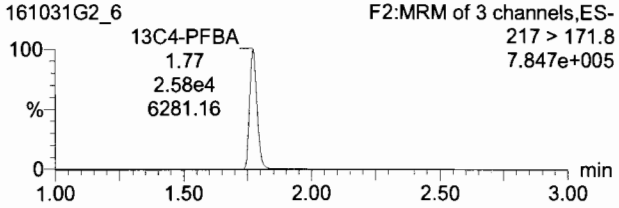
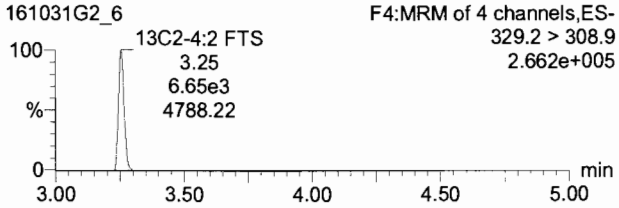
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_6, Date: 31-Oct-2016, Time: 18:04:20, ID: ST161031G2-5 PFC CS2 16J2707, Description: PFC CS2 16J2707 A

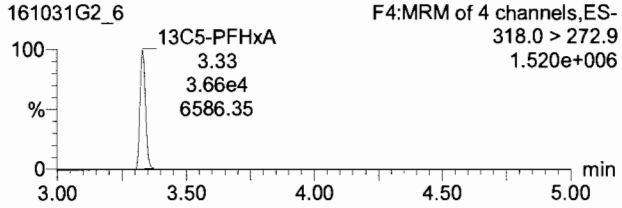
13C4-PFBA



13C2-4:2 FTS



13C5-PFHxA



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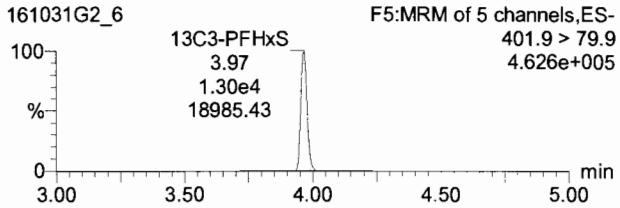

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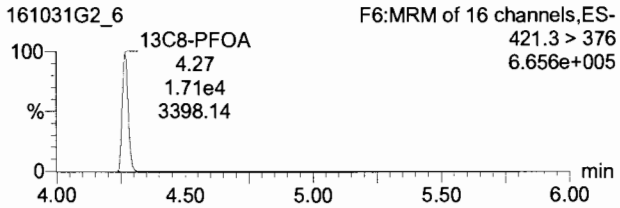

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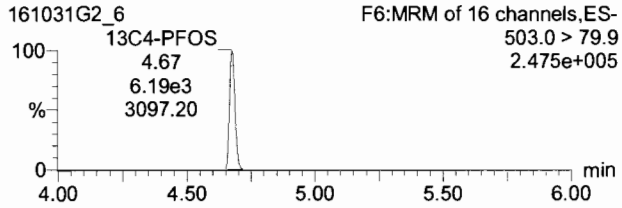

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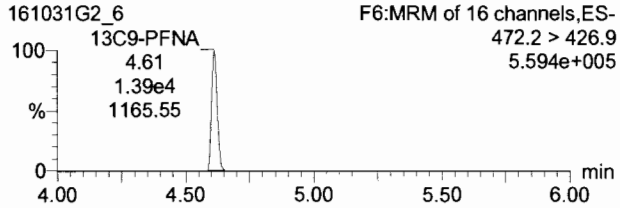

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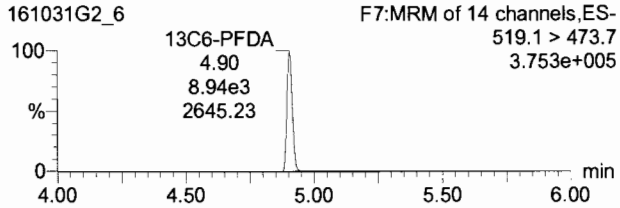

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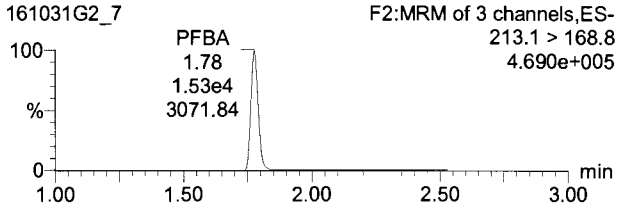
PFBA



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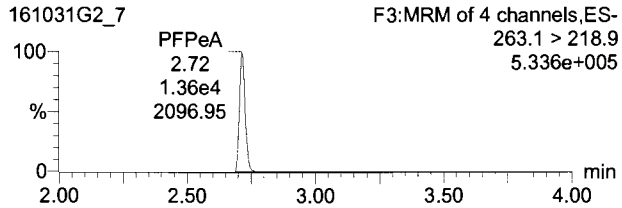

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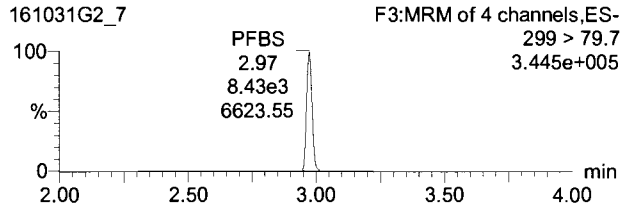

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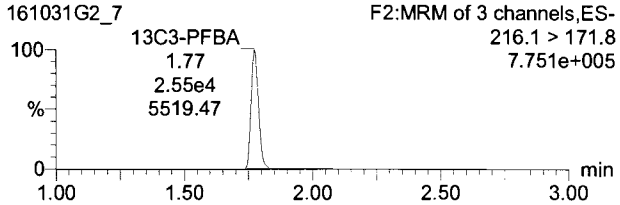

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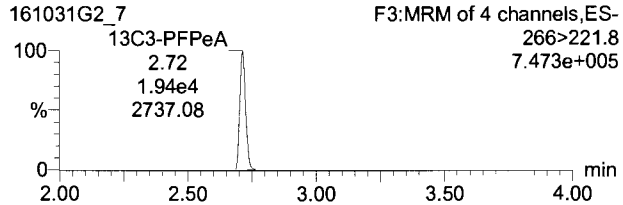

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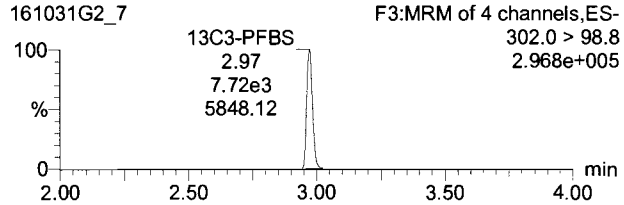
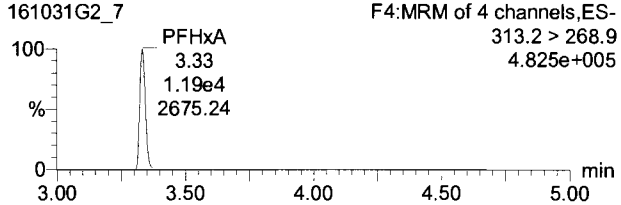
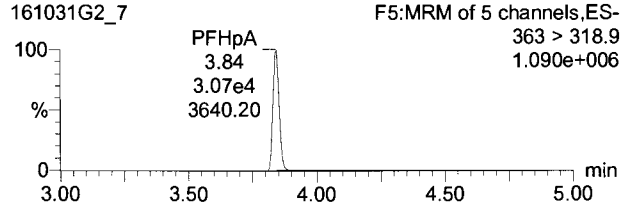


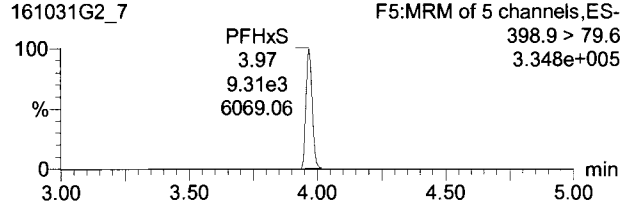
PFHxA



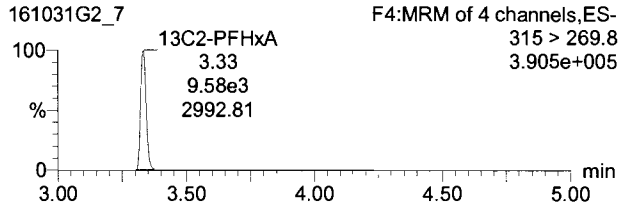
PFHpA



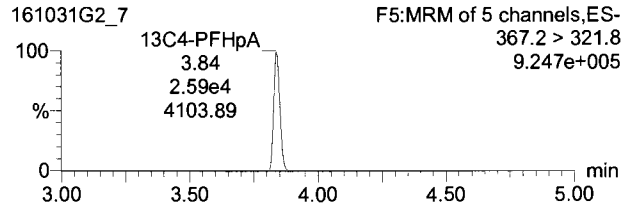
PFHxS



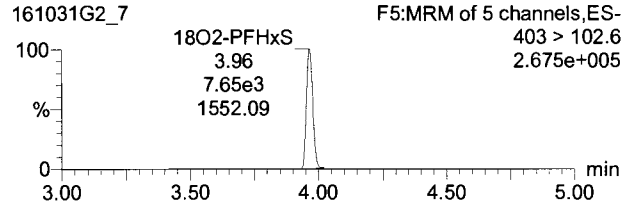
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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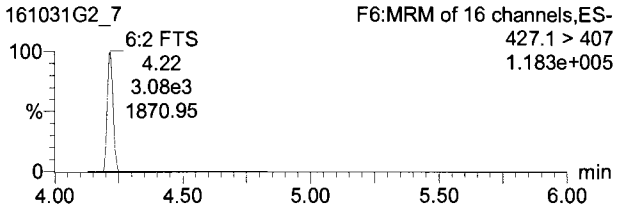
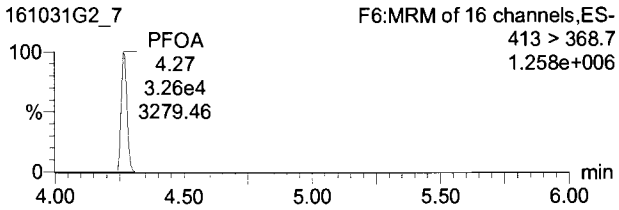
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_7, Date: 31-Oct-2016, Time: 18:16:58, ID: ST161031G2-6 PFC CS3 16J2708, Description: PFC CS3 16J2708 A

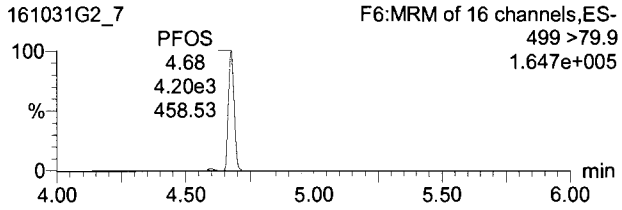
6:2 FTS



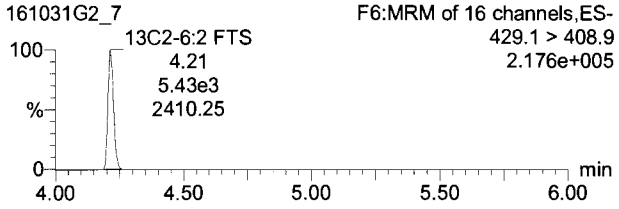
PFOA



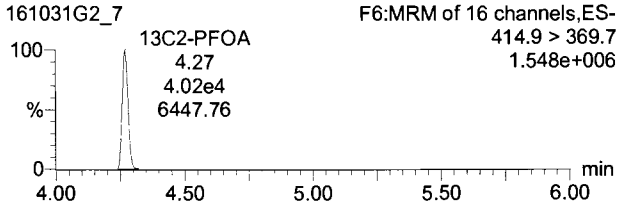
PFOS



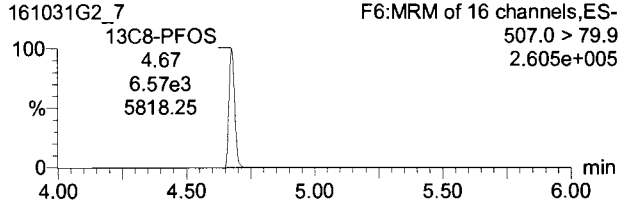
13C2-6:2 FTS



13C2-PFOA



13C8-PFOS



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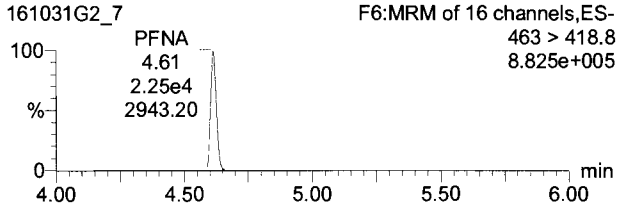
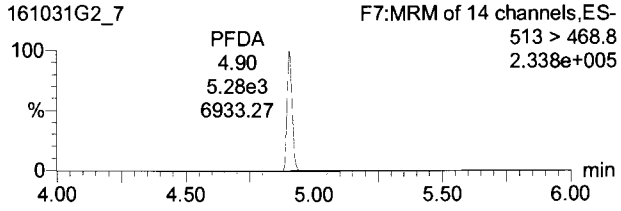
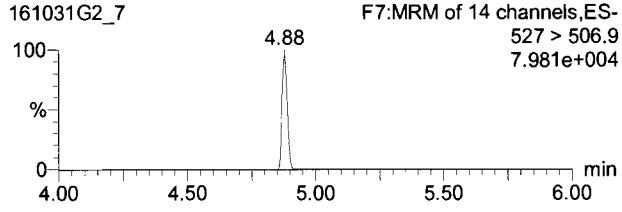


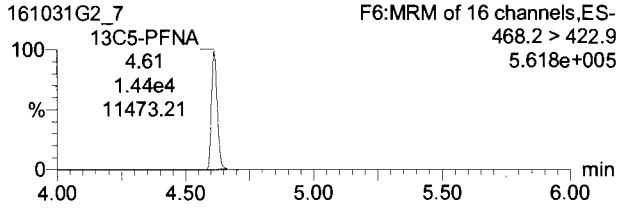
PFDA



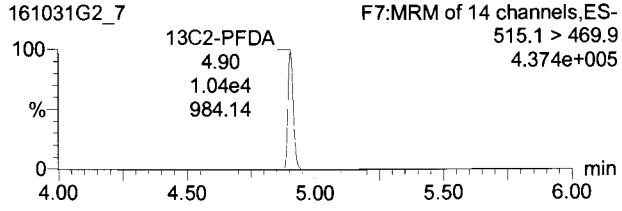
8:2 FTS



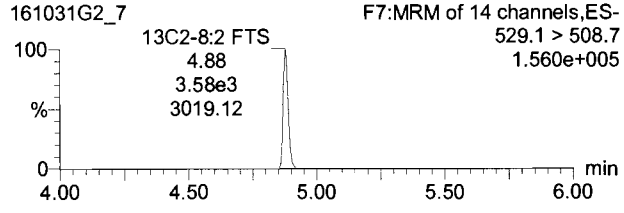
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS

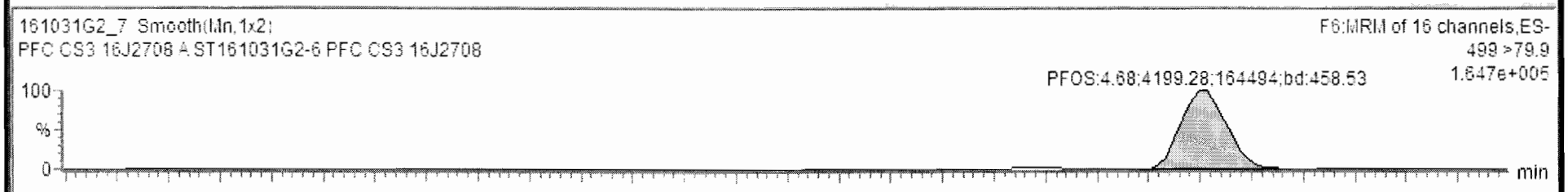


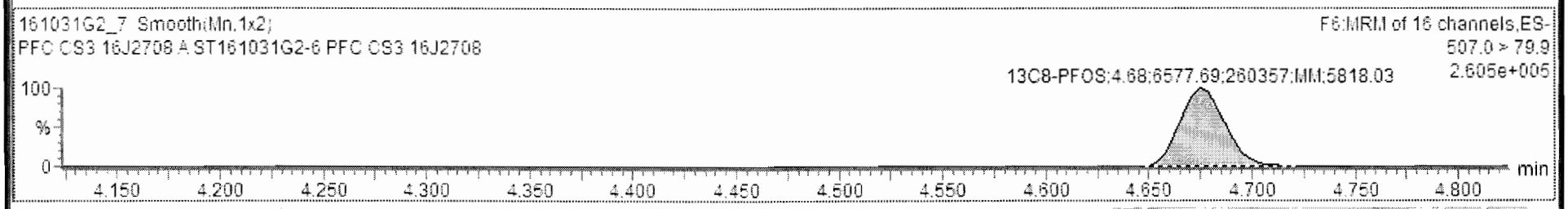
TargetLynx - 161031G2-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_7 - ST161031G2-6 PFC CS3 16J2708 - PFC CS3 16J2708 A

	#	Name	Trace	RT	RA	y/n	Area	IS Area	Response	Primary Flags	Conc.	%Dev	%RSD	RRF M...	RRF SD
1	1	PFBA	213.1 > 168.8	1.78			1.53e4	2.55e4	7.514	bb	11.0	10.5			
2	2	PFPeA	263.1 > 218.9	2.71			1.36e4	1.94e4	8.753	bb	10.8	7.8			
3	3	PFBS	299 > 79.7	2.97			8.43e3	7.72e3	13.634	bd	9.92	-0.8			
4	4	PFHxA	313.2 > 268.9	3.33			1.19e4	9.58e3	6.218	bb	10.6	6.4			
5	5	PFHpA	363 > 318.9	3.84			3.07e4	2.59e4	14.847	bb	10.5	4.9			
6	6	PFHxS	398.9 > 79.6	3.97			9.31e3	7.65e3	15.211	bb	10.3	3.4			
7	7	6:2 FTS	427.1 > 407	4.22			3.08e3	5.43e3	7.092	bb	11.3	12.6			
8	8	PFOA	413 > 368.7	4.27			3.26e4	4.02e4	10.140	bb	11.1	11.3			
9	9	PFOS	499 >79.9	4.68			4.20e3	6.58e3	7.980	bd	9.33	-6.7			
10	10	PFNA	463 > 418.8	4.61			2.25e4	1.44e4	19.569	bb	10.7	7.3			
11	11	PFDA	513 > 468.8	4.90			5.28e3	1.04e4	8.356	bb	9.96	-0.4			
12	12	8:2 FTS	527 > 506.9	4.88			1.88e3	3.58e3	6.481	MM	11.0	9.7			
13	13	13C3-PFBA	216.1 > 171.8	1.77			2.55e4	2.63e4	12.089	bb	12.6	0.7	4.47	0.960	0.0429
14	14	13C3-PFPeA	266>221.8	2.71			1.94e4	3.54e4	6.848	bb	13.0	4.1	4.47	0.526	0.0235
15	15	13C3-PFBS	302.0 > 98.8	2.97			7.72e3	3.54e4	2.725	bb	13.1	4.6	4.56	0.209	0.00950
16	16	13C2-PFHxA	315 > 269.8	3.33			9.58e3	3.54e4	3.381	bb	5.16	3.2	4.88	0.655	0.0307
17	17	13C4-PFHpA	367.2 > 321.8	3.84			2.59e4	1.29e4	25.087	bb	13.2	5.4	9.28	1.90	0.177
18	18	18O2-PFHxS	403 > 102.6	3.96			7.65e3	1.28e4	7.424	bb	12.8	2.5	5.10	0.580	0.0296





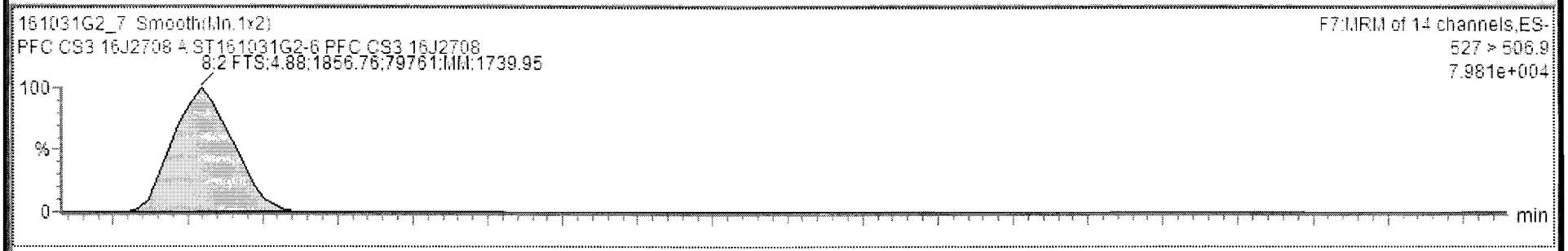
Ready 161031G2_7 CAP NUM

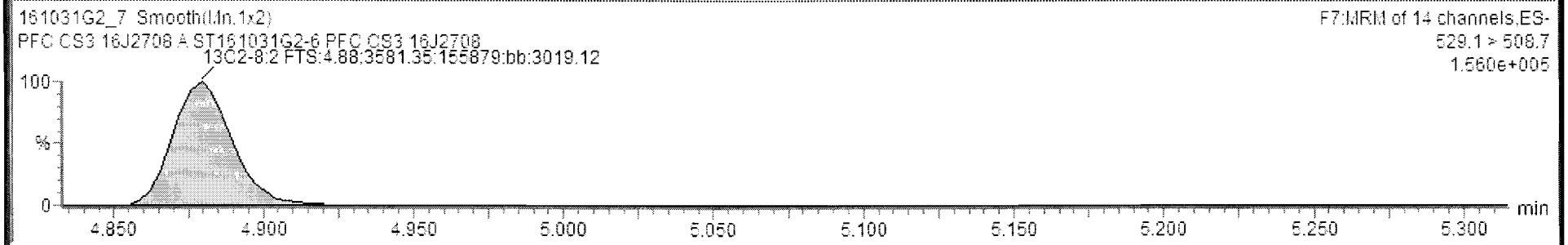
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

Next Sample 031G2_7 - ST161031G2-6 PFC CS3 16J2708 - PFC CS3 16J2708 A

	Name	Trace	Area	Response	RRF	Wt/VoL	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	1.53e4	7.514	0.751	1.000	1.78	11.0	110.5	0.0123441		0.9989
2	PFPeA	263.1 > 218.9	1.36e4	8.753	0.875	1.000	2.72	10.8	107.8	0.0351848		0.9990
3	PFBS	299 > 79.7	8.43e3	13.634	1.363	1.000	2.97	9.92	99.2	0.0898121		0.9987
4	PFHxA	313.2 > 268.9	1.19e4	6.218	0.622	1.000	3.33	10.6	106.4	0.0000000		0.9991
5	PFHpA	363 > 318.9	3.07e4	14.847	1.485	1.000	3.84	10.5	104.9	0.0282737		0.9990
6	PFHxS	398.9 > 79.6	9.31e3	15.211	1.521	1.000	3.97	10.3	103.4	0.0171734		0.9996
7	6:2 FTS	427.1 > 407	3.08e3	7.092	0.709	1.000	4.22	11.6	115.7	0.0115069		0.9774
8	PFOA	413 > 368.7	3.26e4	10.140	1.014	1.000	4.27	11.1	111.3	0.0000000		0.9981
9	PFOS	499 >79.9	4.20e3	7.990	0.799	1.000	4.68	9.33	93.3	0.1066934		0.9954
10	PFNA	463 > 418.8	2.25e4	19.569	1.957	1.000	4.61	10.7	107.3	0.0421052		0.9990
11	PFDA	513 > 468.8	5.28e3	6.356	0.636	1.000	4.90	9.96	99.6	0.0300579		0.9984
12	8:2 FTS	527 > 506.9	1.86e3	6.481	0.648	1.000	4.88	10.1	101.5	0.0000000		0.9939
13	13C3-PFBA	216.1 > 171.8	2.55e4	12.089	0.967	1.000	1.77	12.6	100.7	0.0055385	4.47	
14	13C3-PFPeA	266>221.8	1.94e4	6.848	0.548	1.000	2.72	13.0	104.1	0.0112939	4.47	





Display next sample 161031G2_7 CAP NUM

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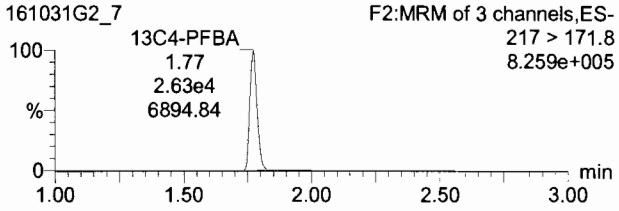
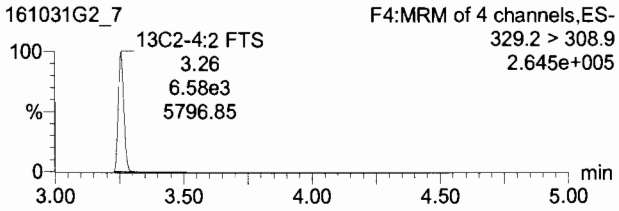
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_7, Date: 31-Oct-2016, Time: 18:16:58, ID: ST161031G2-6 PFC CS3 16J2708, Description: PFC CS3 16J2708 A

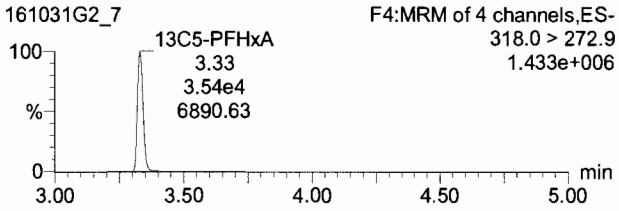
13C4-PFBA



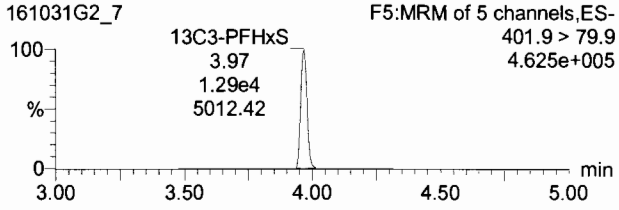
13C2-4:2 FTS



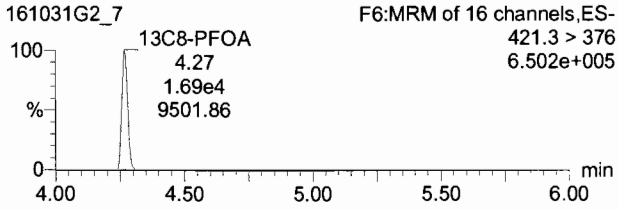
13C5-PFHxA



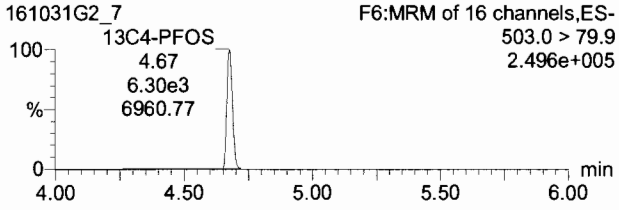
13C3-PFHxS



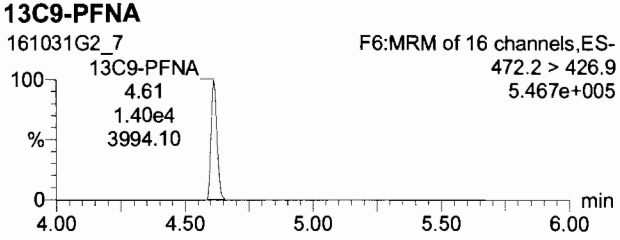
13C8-PFOA



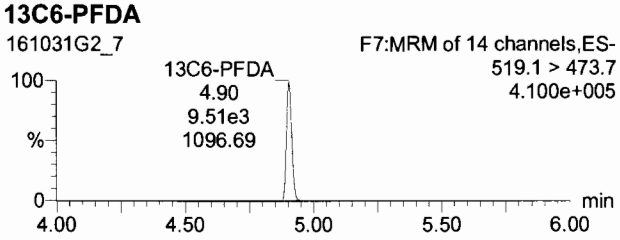
13C4-PFOS



13C9-PFNA



13C6-PFDA



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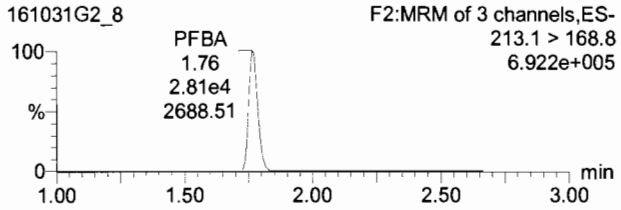
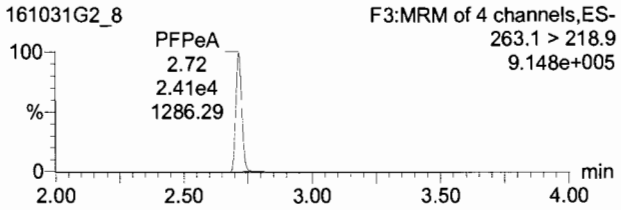
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_8, Date: 31-Oct-2016, Time: 18:29:37, ID: ST161031G2-7 PFC CS3.5 16J2903, Description: PFC CS3.5 16J2903 A

PFBA



PFPeA



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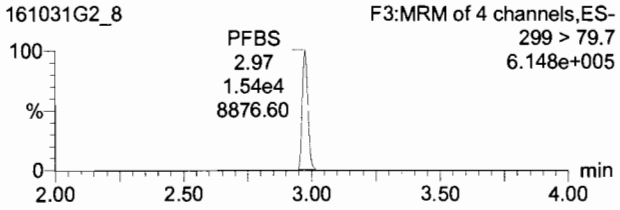

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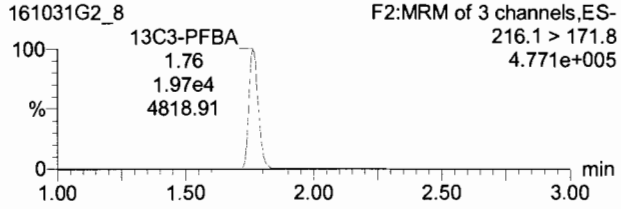
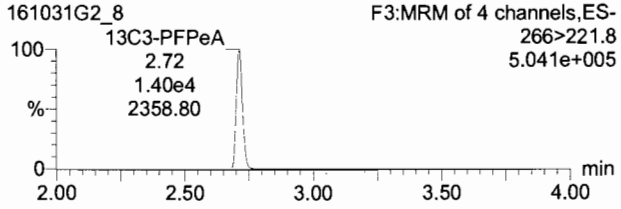
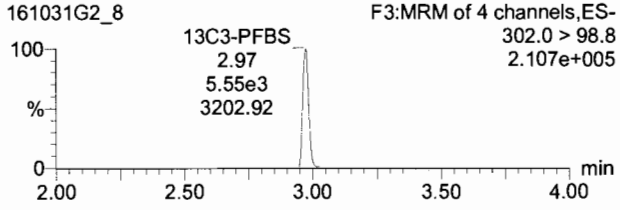


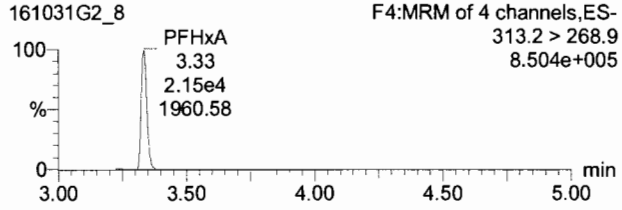
13C3-PFPeA



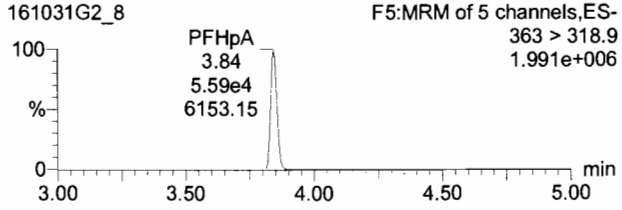
13C3-PFBS



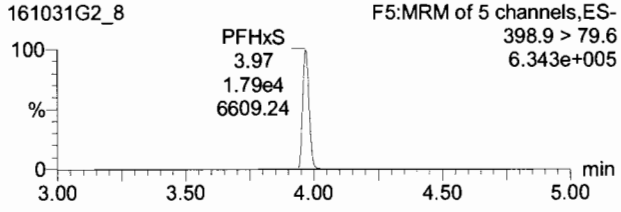
PFHxA



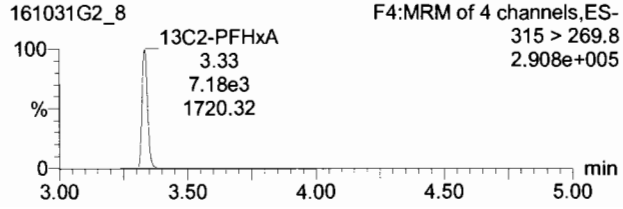
PFHpA



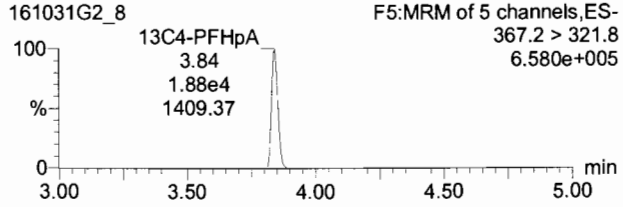
PFHxS



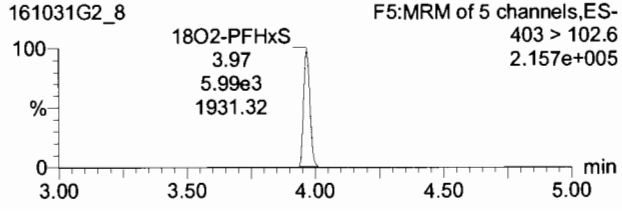
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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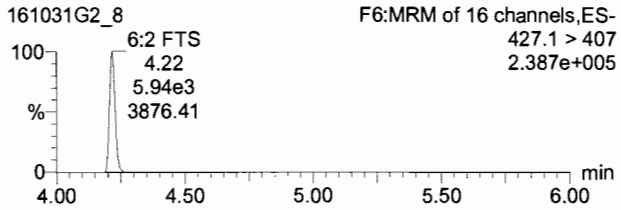
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_8, Date: 31-Oct-2016, Time: 18:29:37, ID: ST161031G2-7 PFC CS3.5 16J2903, Description: PFC CS3.5 16J2903 A

6:2 FTS



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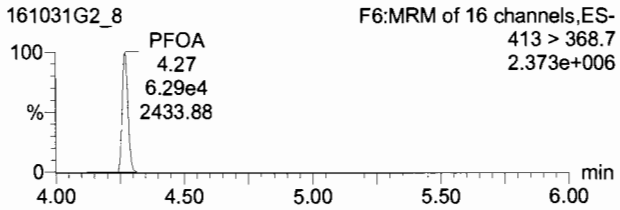

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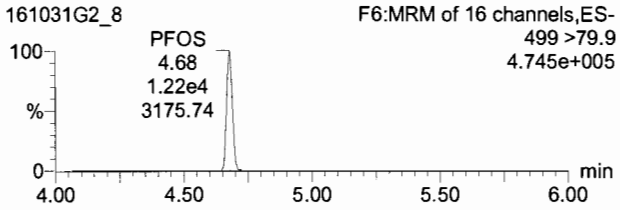

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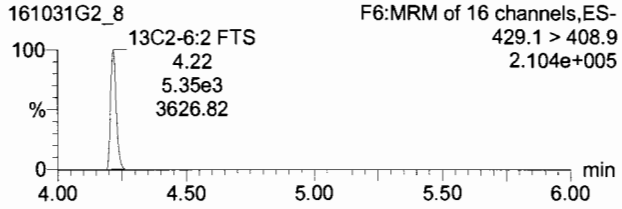

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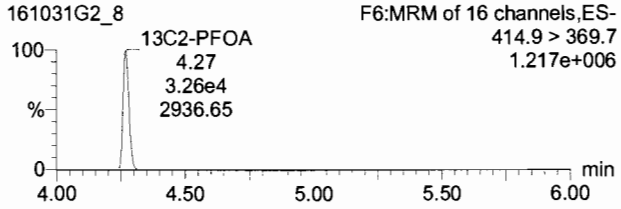

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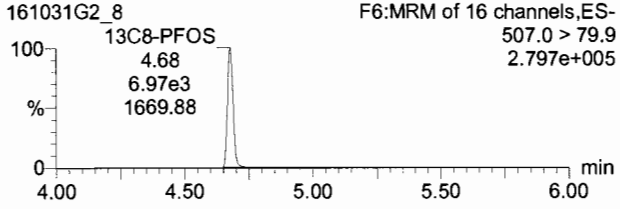

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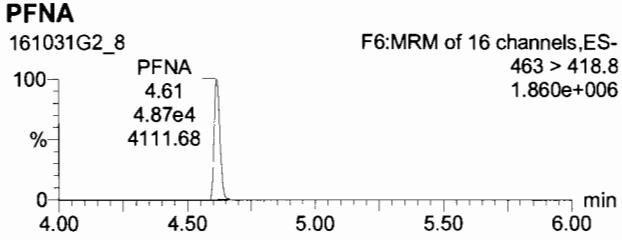

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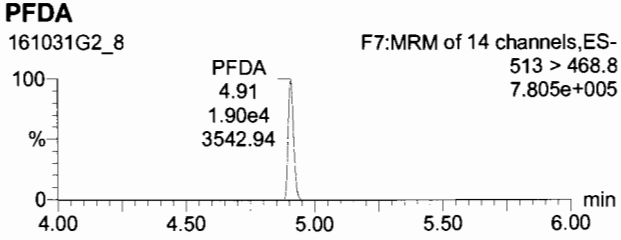
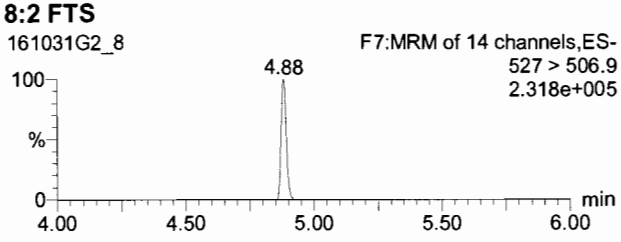


8:2 FTS



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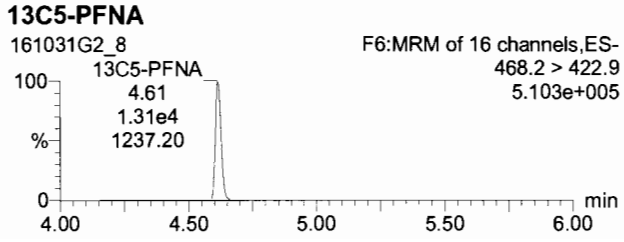

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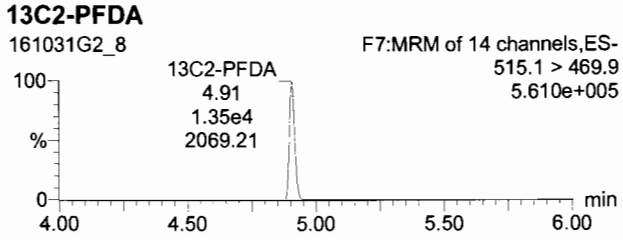

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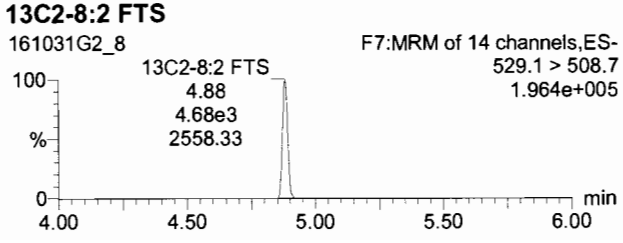
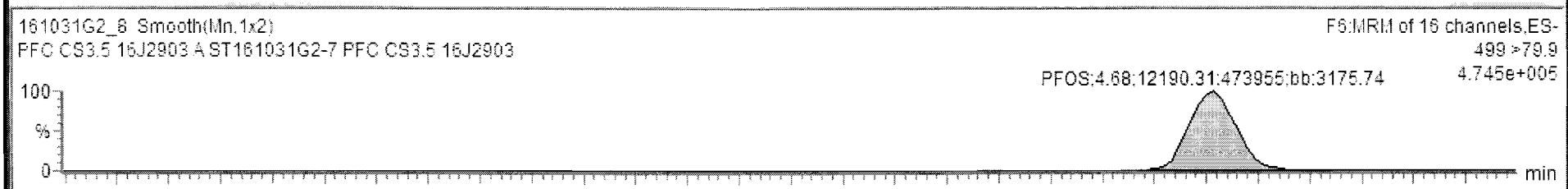


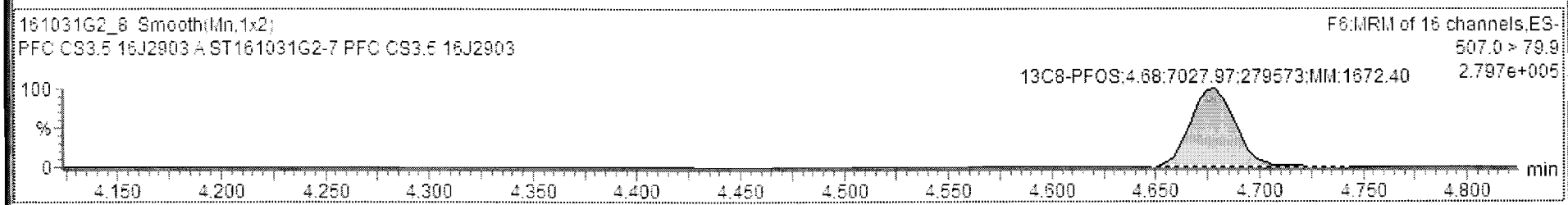
TargetLynx - 161031G2-CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_8 - ST161031G2-7 PF[illegible]903 - PFC CS3.5 16J2903 A

	#	Name	Trace	RT	RA	y/n	Area	IS Area	Response	Primary Flags	Conc.	%Dev	%RSD	RRF M...	RRF SD
1	1	PFBA	212.1 > 168.8	1.76			2.81e4	1.97e4	17.634	bb	26.2	4.9			
2	2	PFPeA	263.1 > 218.9	2.71			2.41e4	1.40e4	21.539	bb	26.5	5.9			
3	3	PFBS	299 > 79.7	2.97			1.54e4	5.55e3	34.549	bb	25.0	0.1			
4	4	PFHxA	313.2 > 268.9	3.33			2.15e4	7.18e3	14.933	bb	25.6	2.3			
5	5	PFHpA	363 > 318.9	3.84			5.59e4	1.88e4	37.074	bb	26.2	4.7			
6	6	PFHxS	398.9 > 79.6	3.97			1.79e4	5.99e3	37.398	bb	25.4	1.6			
7	7	6:2 FTS	427.1 > 407	4.22			5.94e3	5.35e3	13.861	bb	23.0	-8.0			
8	8	PFOA	413 > 368.7	4.27			8.29e4	3.26e4	24.084	bb	26.5	5.8			
9	9	PFOS	499 >79.9	4.68			1.22e4	7.03e3	21.682	bb	25.3	1.0			
10	10	PFNA	463 > 418.8	4.61			4.87e4	1.31e4	46.364	bb	25.4	1.5			
11	11	PFDA	513 > 468.8	4.91			1.90e4	1.35e4	17.582	bb	27.5	10.0			
12	12	8:2 FTS	527 > 506.9	4.88			5.44e3	4.68e3	14.534	MM	25.2	1.0			
13	13	13C3-PFBA	216.1 > 171.8	1.76			1.97e4	2.06e4	11.924	bb	12.4	-0.8	4.47	0.960	0.0429
14	14	13C3-PFPeA	266>221.8	2.71			1.40e4	2.71e4	6.467	bb	12.3	-1.7	4.47	0.528	0.0235
15	15	13C3-PFBS	302.0 > 98.8	2.97			5.55e3	2.71e4	2.563	bd	12.3	-1.7	4.56	0.209	0.00950
16	16	13C2-PFHxA	315 > 269.8	3.33			7.18e3	2.71e4	3.315	bd	5.06	1.2	4.68	0.655	0.0307
17	17	13C4-PFHpA	367.2 > 321.8	3.84			1.88e4	1.03e4	22.938	bd	12.0	-3.8	9.28	1.90	0.177
18	18	18O2-PFHxS	403 > 102.6	3.97			5.99e3	1.03e4	7.298	bb	12.6	0.7	5.10	0.580	0.0296





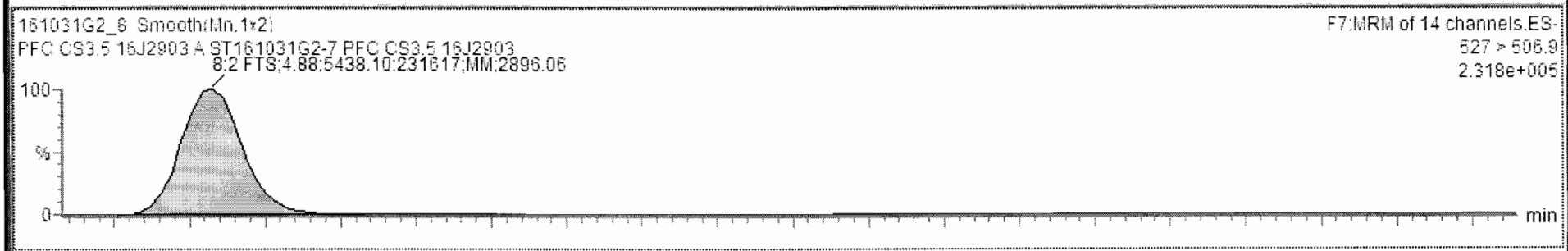
Show or hide the summary bar | 161031G2_8 | CAP NUM

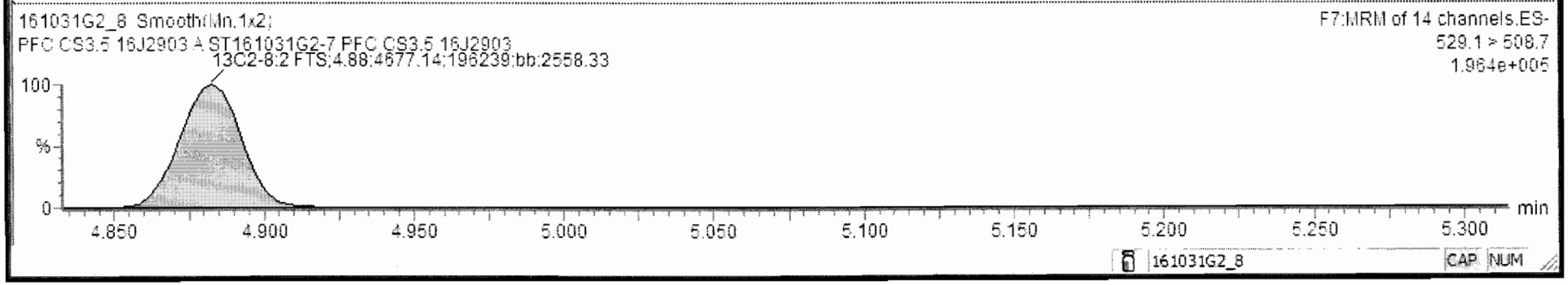
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_8 - ST161031G2-7 PFC CS3.5 16J2903 - PFC CS3.5 16J2903 A

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	2.81e4	17.834	0.713	1.000	1.76	26.2	104.9	0.0281199		0.9989
2	PFPeA	263.1 > 218.9	2.41e4	21.539	0.862	1.000	2.72	26.5	105.9	0.0762131		0.9990
3	PFBS	299 > 79.7	1.54e4	34.549	1.382	1.000	2.97	25.0	100.1	0.0732684		0.9987
4	PFHxA	313.2 > 268.9	2.15e4	14.933	0.597	1.000	3.33	25.6	102.3	0.0125455		0.9991
5	PFHpA	363 > 318.9	5.59e4	37.074	1.483	1.000	3.84	26.2	104.7	0.0319603		0.9990
6	PFHxS	398.9 > 79.6	1.79e4	37.398	1.496	1.000	3.97	25.4	101.6	0.0222532		0.9996
7	6:2 FTS	427.1 > 407	5.94e3	13.861	0.554	1.000	4.22	23.4	93.7	0.0116295		0.9774
8	PFOA	413 > 368.7	6.29e4	24.084	0.963	1.000	4.27	26.5	105.8	0.0110412		0.9981
9	PFOS	499 >79.9	1.22e4	21.849	0.874	1.000	4.68	25.4	101.7	0.0760944		0.9954
10	PFNA	463 > 418.8	4.87e4	46.364	1.855	1.000	4.61	25.4	101.5	0.0481377		0.9990
11	PFDA	513 > 468.8	1.90e4	17.582	0.703	1.000	4.91	27.5	110.0	0.0454465		0.9984
12	8:2 FTS	527 > 506.9	5.44e3	14.534	0.581	1.000	4.88	24.8	99.1	0.0332136		0.9953
13	13C3-PFBA	216.1 > 171.8	1.97e4	11.924	0.954	1.000	1.76	12.4	99.4	0.0064962	4.47	
14	13C3-PFPeA	266>221.8	1.40e4	6.467	0.517	1.000	2.72	12.3	98.3	0.0117632	4.47	





161031G2_8 CAP NUM

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Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
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Name: 161031G2_8, Date: 31-Oct-2016, Time: 18:29:37, ID: ST161031G2-7 PFC CS3.5 16J2903, Description: PFC CS3.5 16J2903 A

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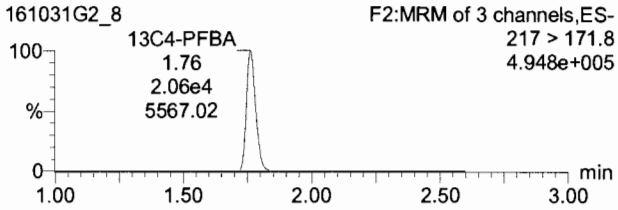

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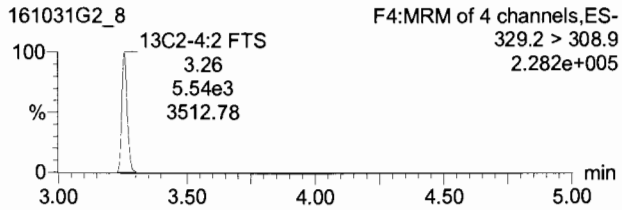
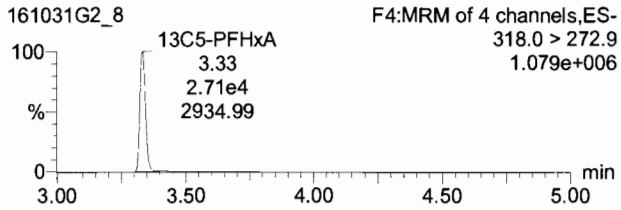


13C5-PFHxA



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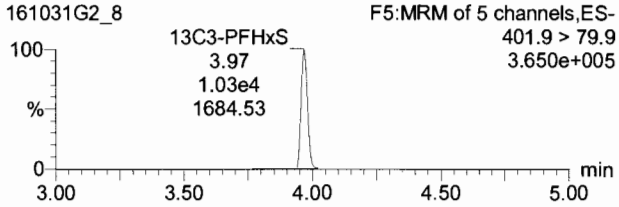

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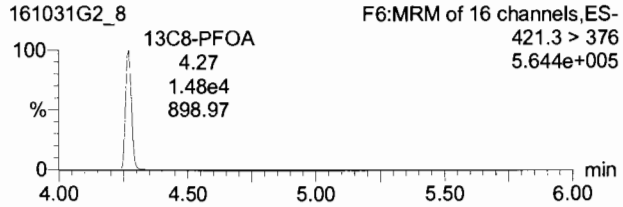

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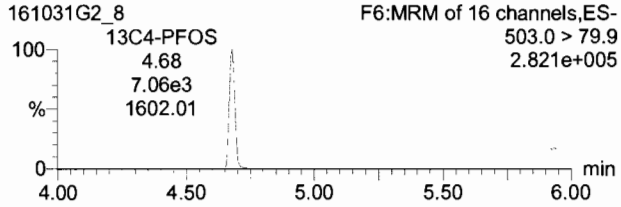

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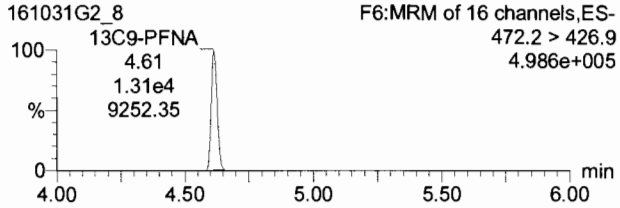

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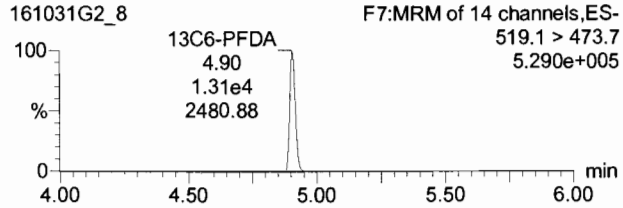

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Name: 161031G2_9, Date: 31-Oct-2016, Time: 18:42:16, ID: ST161031G2-8 PFC CS4 16J2709, Description: PFC CS4 16J2709 A

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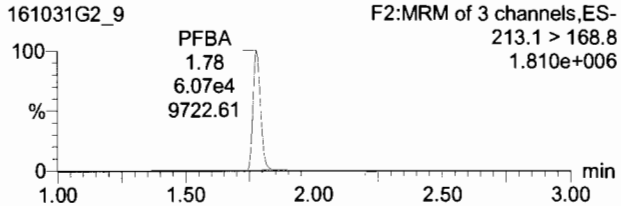

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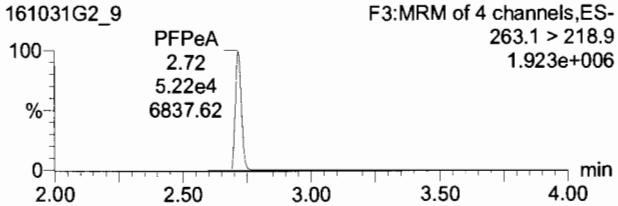

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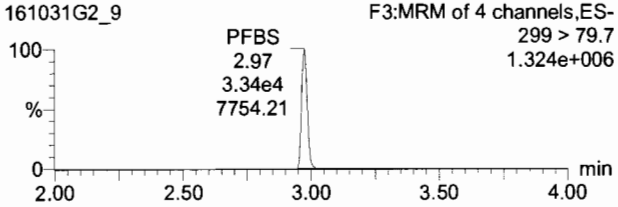

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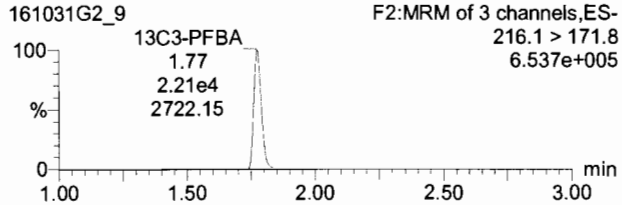

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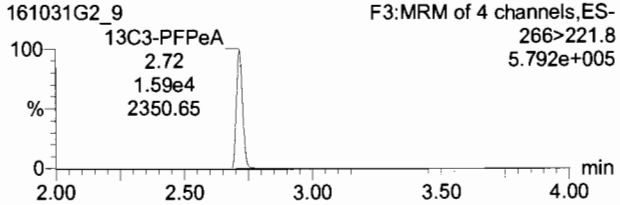

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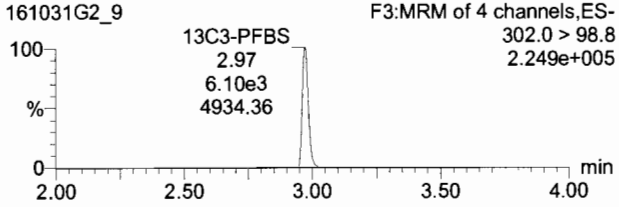

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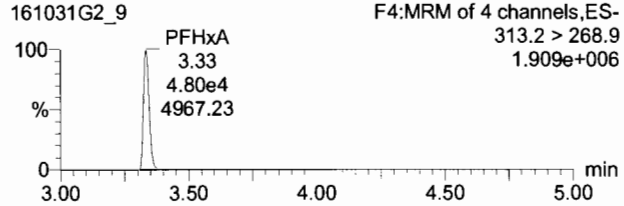

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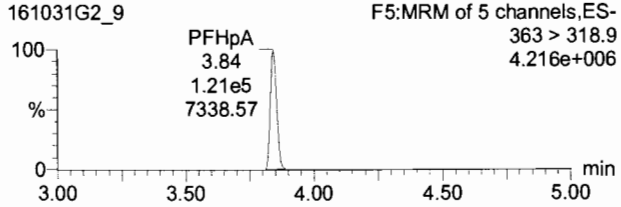

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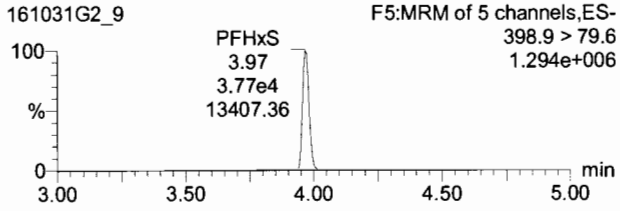

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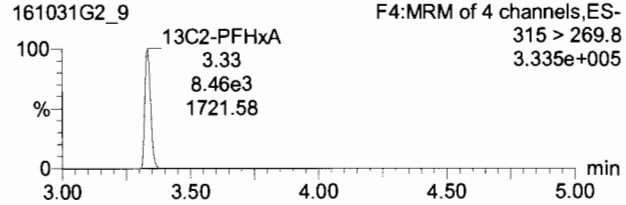

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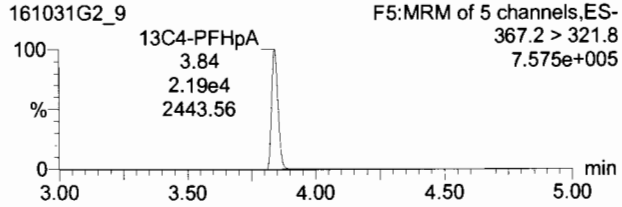

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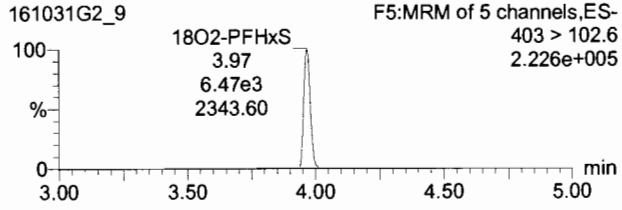

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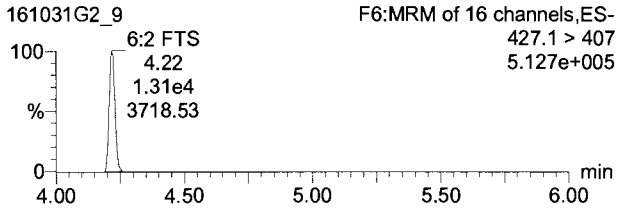
Name: 161031G2_9, Date: 31-Oct-2016, Time: 18:42:16, ID: ST161031G2-8 PFC CS4 16J2709, Description: PFC CS4 16J2709 A

6:2 FTS



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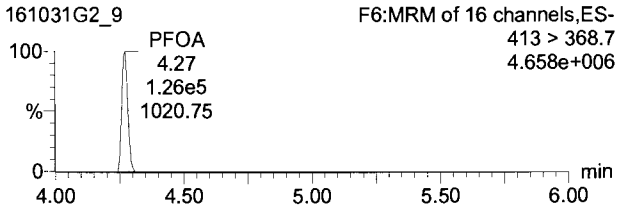

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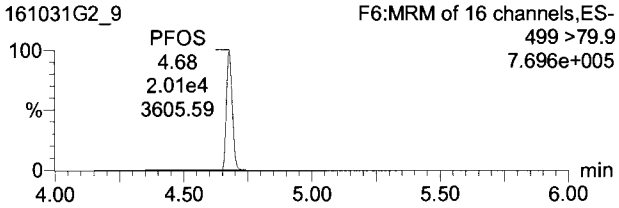

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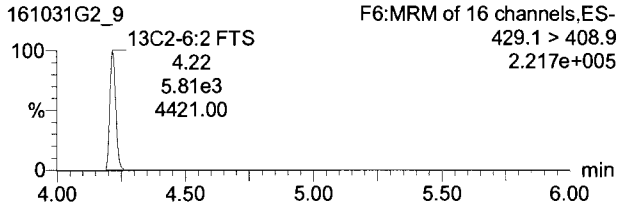

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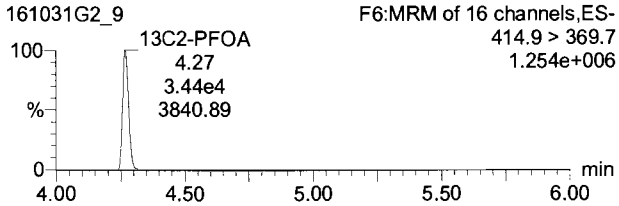

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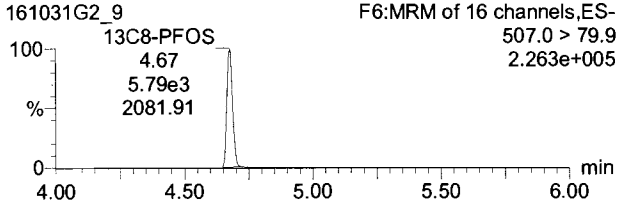
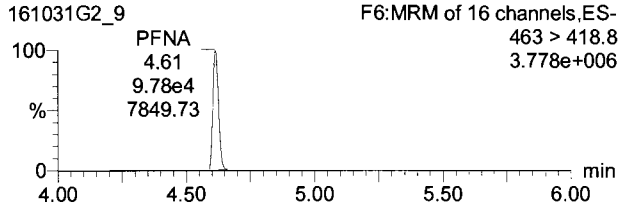
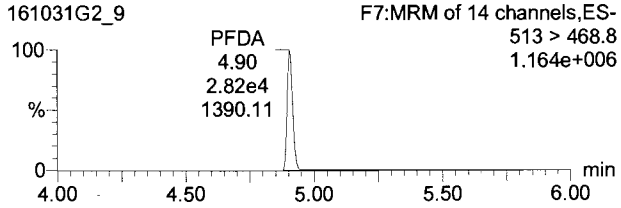


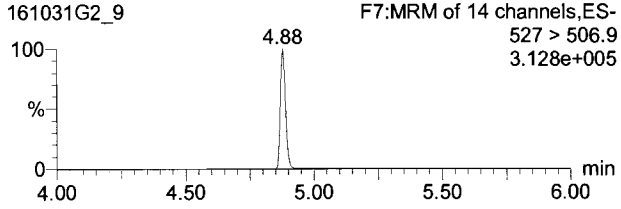
PFNA



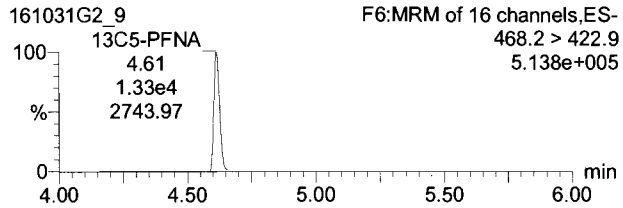
PFDA



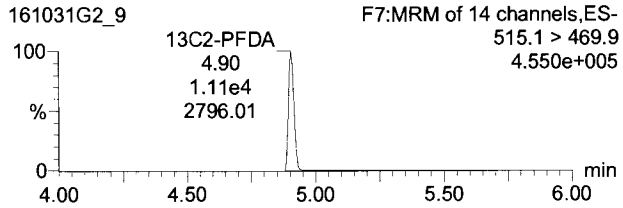
8:2 FTS



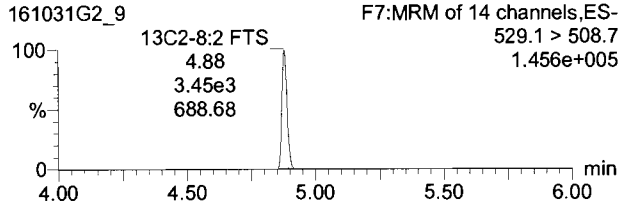
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS

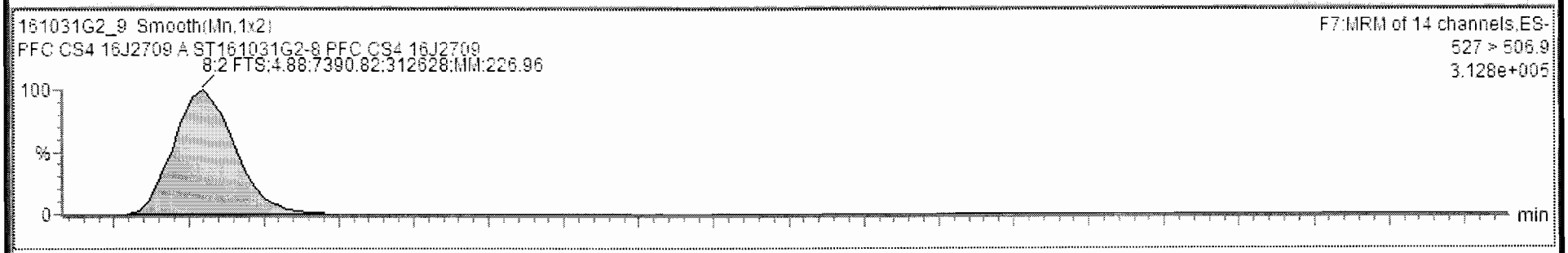


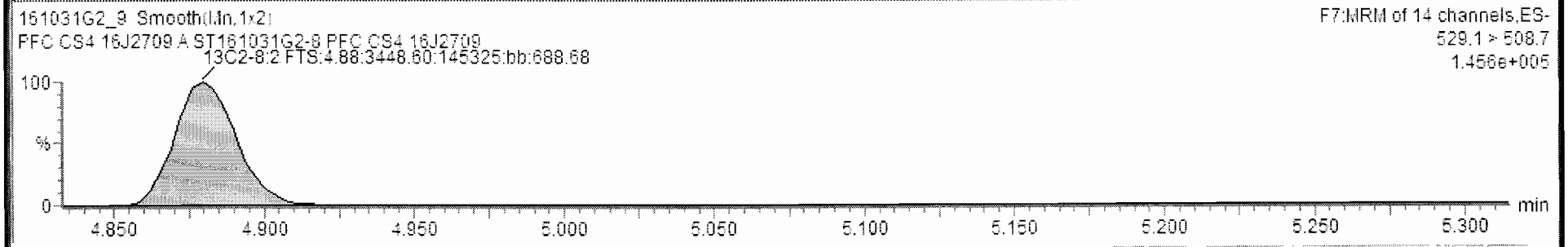
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_9 - ST161031G2-8 PFC CS4 16J2709 - PFC CS4 16J2709 A

	Name	Trace	Area	Response	RRF	Wt/VoL	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	6.07e4	34.312	0.686	1.000	1.78	50.4	100.9	0.0163735		0.9989
2	PFPeA	263.1 > 218.9	5.22e4	41.152	0.823	1.000	2.72	50.6	101.2	0.0407550		0.9990
3	PFBS	299 > 79.7	3.34e4	68.441	1.369	1.000	2.97	49.5	99.0	0.0829823		0.9987
4	PFHxA	313.2 > 268.9	4.80e4	28.373	0.567	1.000	3.33	48.6	97.2	0.0052980		0.9991
5	PFHpA	363 > 318.9	1.21e5	68.812	1.376	1.000	3.84	48.6	97.1	0.0378386		0.9990
6	PFHxS	398.9 > 79.8	3.77e4	72.772	1.455	1.000	3.97	49.4	98.8	0.0220031		0.9998
7	6:2 FTS	427.1 > 407	1.31e4	28.232	0.565	1.000	4.22	52.2	104.4	0.0278686		0.9774
8	PFOA	413 > 368.7	1.26e5	45.912	0.918	1.000	4.27	50.5	100.9	0.1083692		0.9981
9	PFOS	499 >79.9	2.01e4	43.365	0.867	1.000	4.68	50.4	100.8	0.0910455		0.9954
10	PFNA	463 > 418.8	9.78e4	91.633	1.833	1.000	4.61	50.1	100.3	0.0490064		0.9990
11	PFDA	513 > 468.8	2.82e4	31.831	0.637	1.000	4.90	49.8	99.5	0.1161658		0.9984
12	8:2 FTS	527 > 506.9	7.39e3	26.789	0.536	1.000	4.88	49.8	99.6	0.4983354		0.9975
13	13C3-PFBA	216.1 > 171.8	2.21e4	12.865	1.013	1.000	1.77	13.2	105.5	0.0122161	4.47	
14	13C3-PFPeA	266>221.8	1.59e4	6.528	0.522	1.000	2.72	12.4	99.2	0.0124278	4.47	





Ready 161031G2_9 CAP NUM

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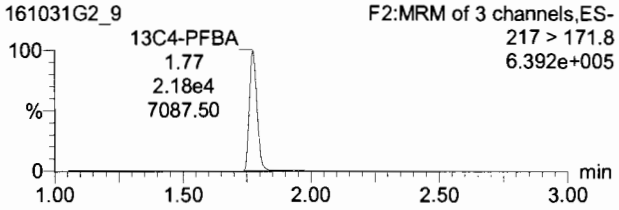
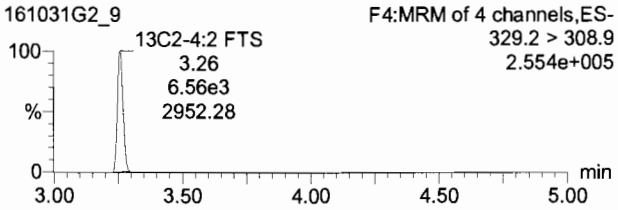
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_9, Date: 31-Oct-2016, Time: 18:42:16, ID: ST161031G2-8 PFC CS4 16J2709, Description: PFC CS4 16J2709 A

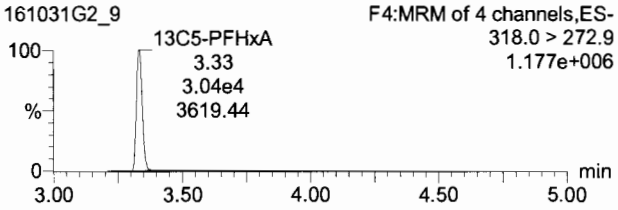
13C4-PFBA



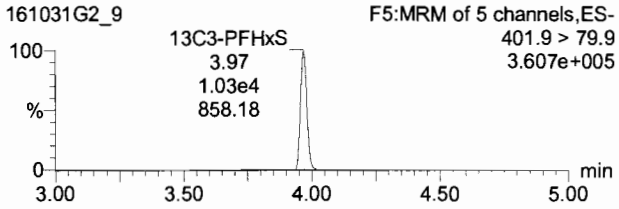
13C2-4:2 FTS



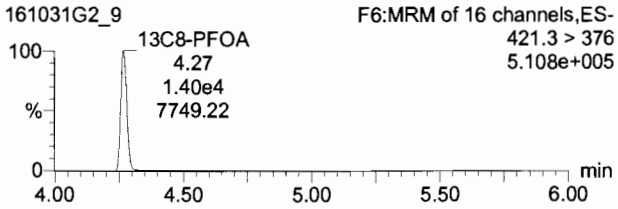
13C5-PFHxA



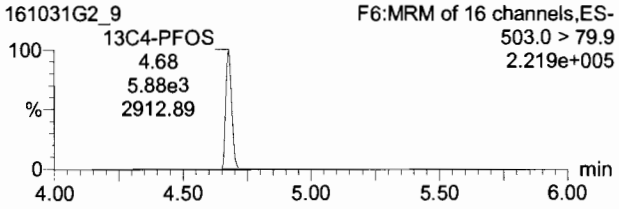
13C3-PFHxS



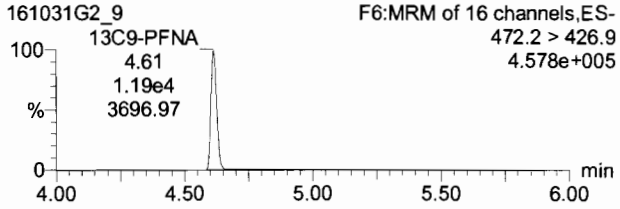
13C8-PFOA



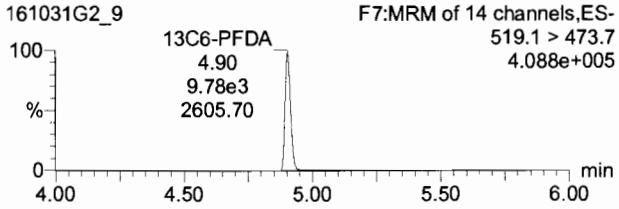
13C4-PFOS



13C9-PFNA



13C6-PFDA



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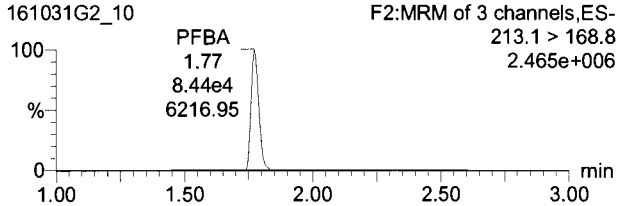
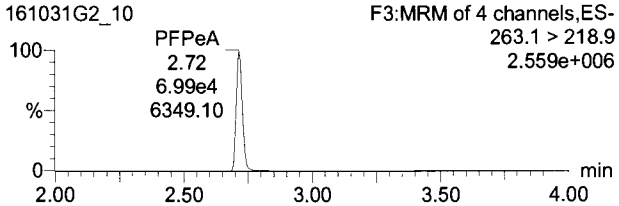
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_10, Date: 31-Oct-2016, Time: 18:54:56, ID: ST161031G2-9 PFC CS4.5 16J2710, Description: PFC CS4.5 16J2710 A

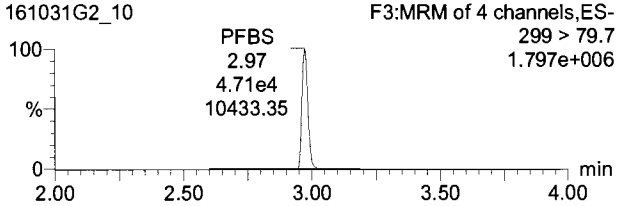
PFBA



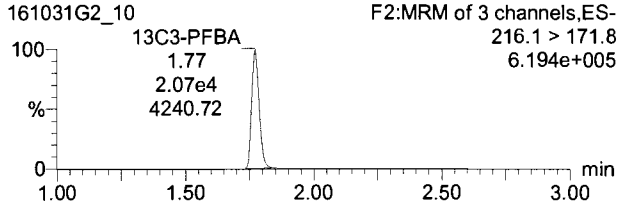
PFPeA



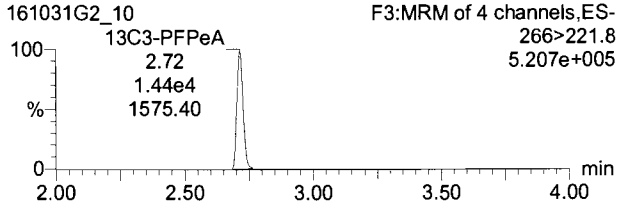
PFBS



13C3-PFBA



13C3-PFPeA



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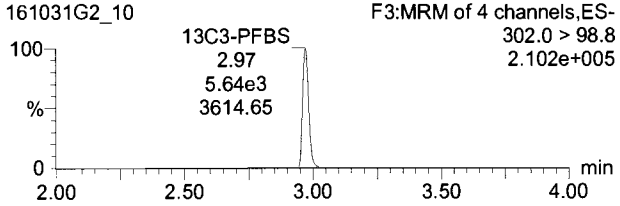
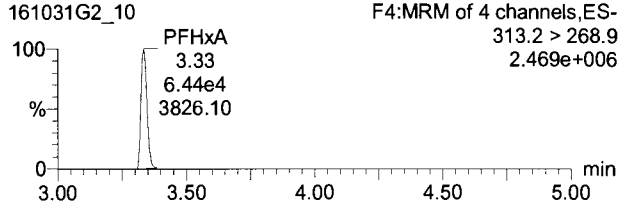
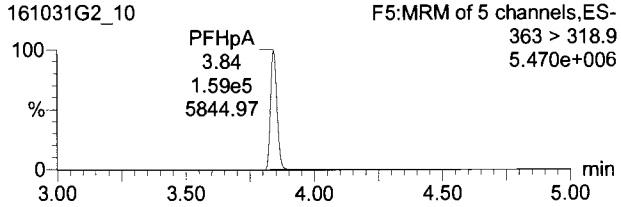


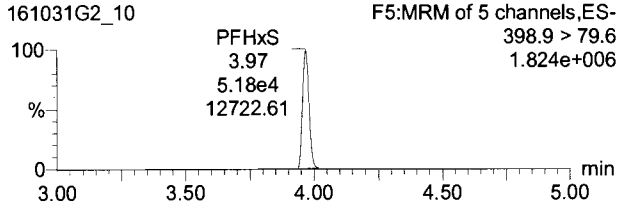
PFHxA



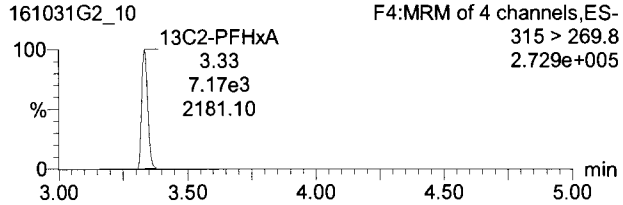
PFHpA



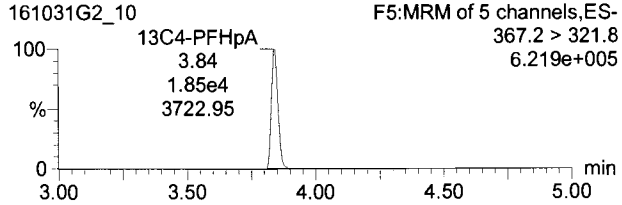
PFHxS



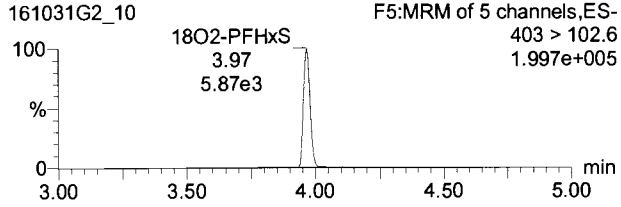
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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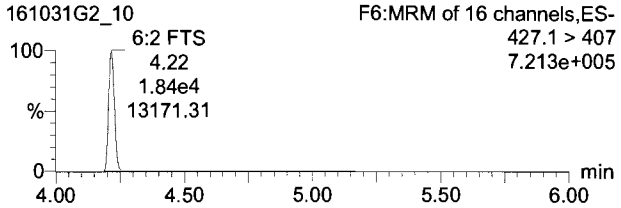
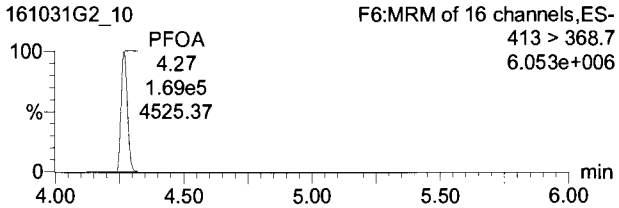
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_10, Date: 31-Oct-2016, Time: 18:54:56, ID: ST161031G2-9 PFC CS4.5 16J2710, Description: PFC CS4.5 16J2710 A

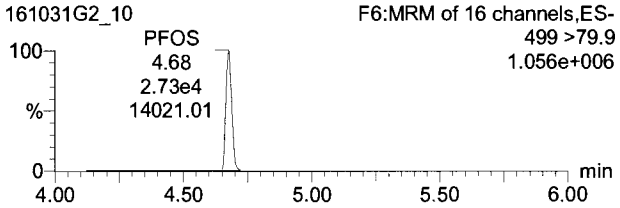
6:2 FTS



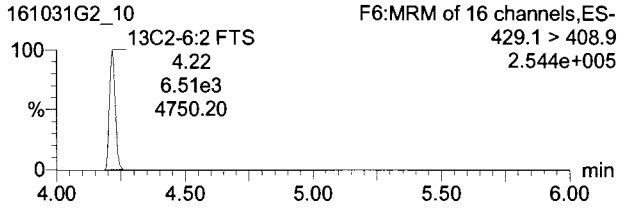
PFOA



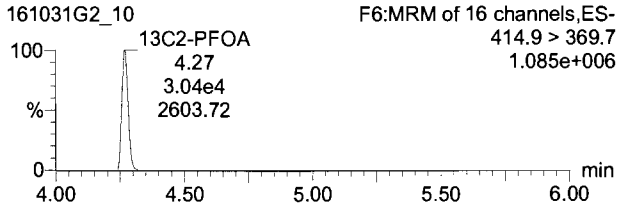
PFOS



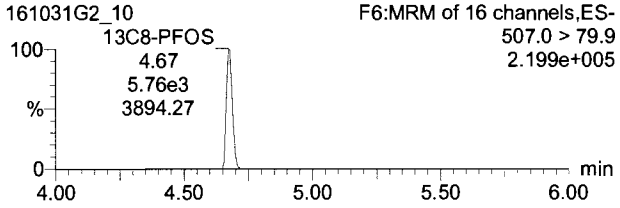
13C2-6:2 FTS



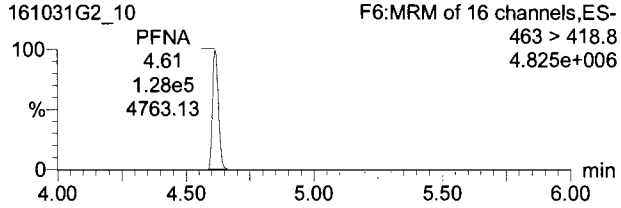
13C2-PFOA



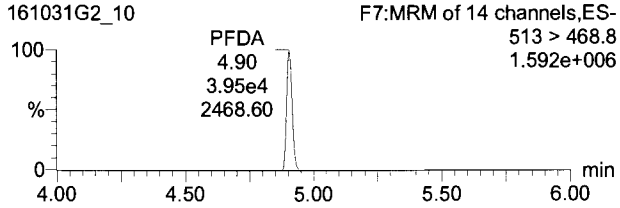
13C8-PFOS



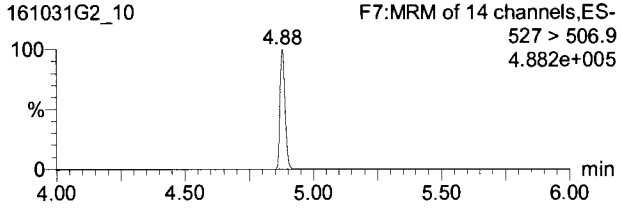
PFNA



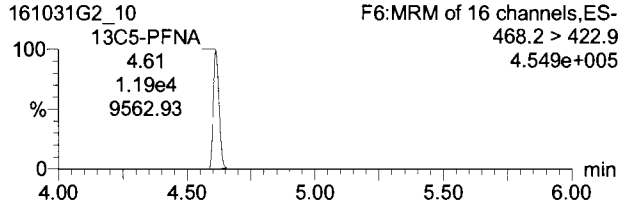
PFDA



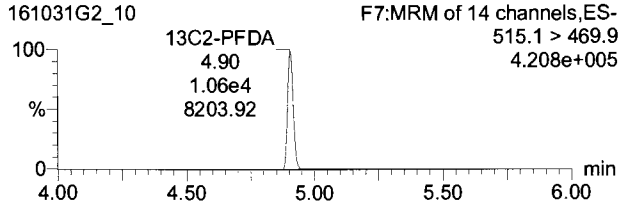
8:2 FTS



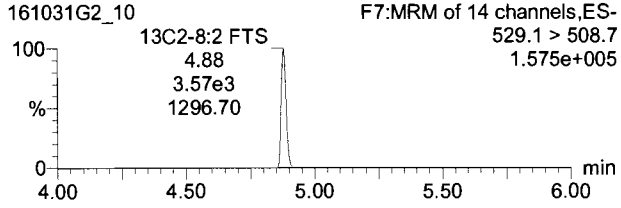
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS

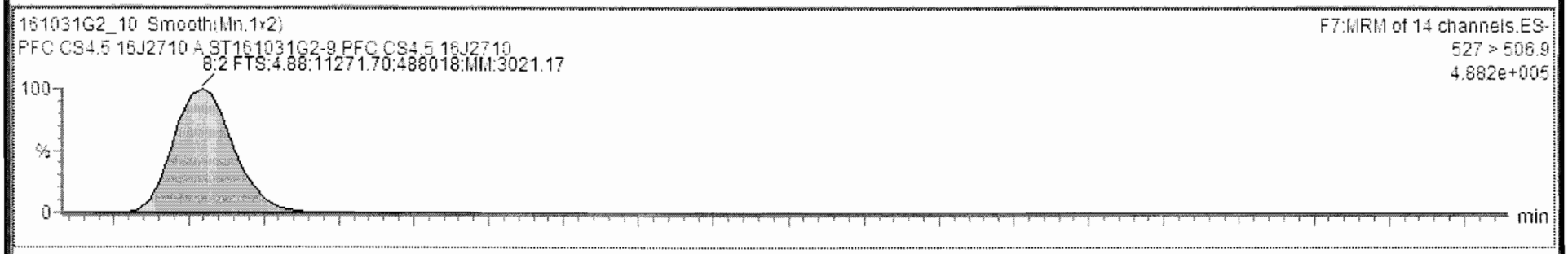


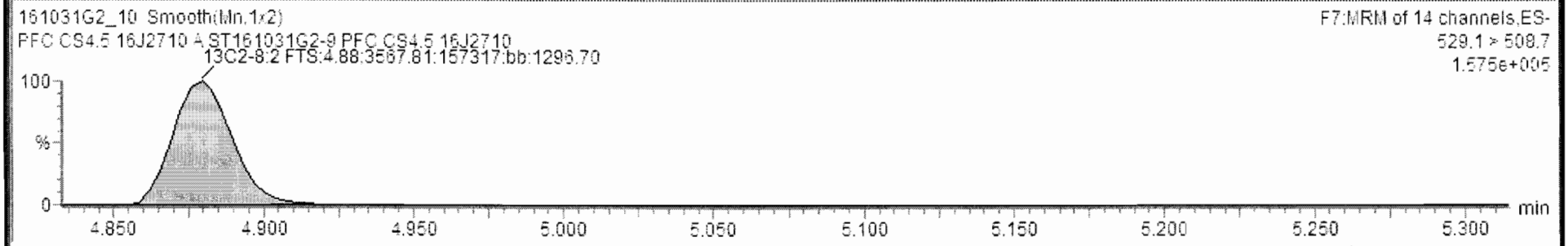
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_10 - ST161031G2-9 PFC CS4.5 16J2710 - PFC CS4.5 16J2710 A

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	8.44e4	51.087	0.681	1.000	1.77	75.1	100.1	0.0327276		0.9989
2	PFPeA	263.1 > 218.9	6.99e4	60.517	0.807	1.000	2.72	74.4	99.2	0.0518582		0.9990
3	PFBS	299 > 79.7	4.71e4	104.438	1.393	1.000	2.97	75.5	100.7	0.0843678		0.9987
4	PFHxA	313.2 > 268.9	6.44e4	44.897	0.599	1.000	3.33	76.9	102.6	0.0312998		0.9991
5	PFHpA	363 > 318.9	1.59e5	107.382	1.432	1.000	3.84	75.8	101.0	0.0542971		0.9990
6	PFHxS	398.9 > 79.8	5.18e4	110.390	1.472	1.000	3.97	74.9	99.9	0.0280233		0.9996
7	6:2 FTS	427.1 > 407	1.84e4	35.420	0.472	1.000	4.22	69.4	92.5	0.0077995		0.9774
8	PFOA	413 > 368.7	1.69e5	69.682	0.929	1.000	4.27	76.6	102.1	0.0258967		0.9981
9	PFOS	499 >79.9	2.73e4	59.299	0.791	1.000	4.68	68.9	91.9	0.0691400		0.9954
10	PFNA	463 > 418.8	1.28e5	135.090	1.801	1.000	4.61	73.9	98.5	0.0709993		0.9990
11	PFDA	513 > 468.8	3.95e4	46.736	0.623	1.000	4.90	73.1	97.4	0.1011274		0.9984
12	8:2 FTS	527 > 506.9	1.13e4	39.491	0.527	1.000	4.88	75.8	101.1	0.0639291		0.9983
13	13C3-PFBA	216.1 > 171.8	2.07e4	12.220	0.978	1.000	1.77	12.7	101.8	0.0077704	4.47	
14	13C3-PFPeA	266>221.8	1.44e4	6.662	0.533	1.000	2.72	12.7	101.2	0.0186335	4.47	





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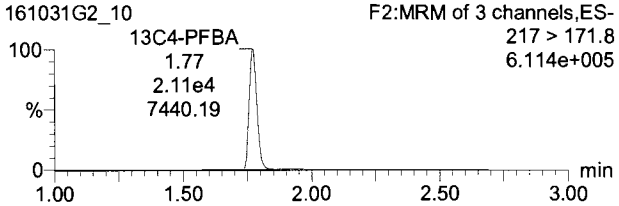
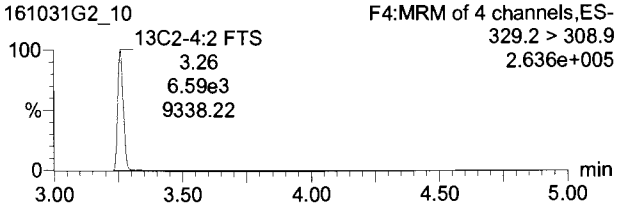
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_10, Date: 31-Oct-2016, Time: 18:54:56, ID: ST161031G2-9 PFC CS4.5 16J2710, Description: PFC CS4.5 16J2710 A

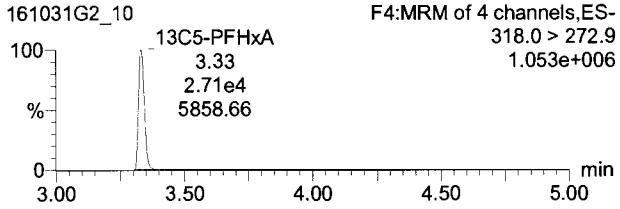
13C4-PFBA



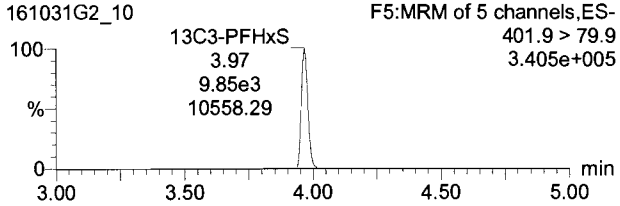
13C2-4:2 FTS



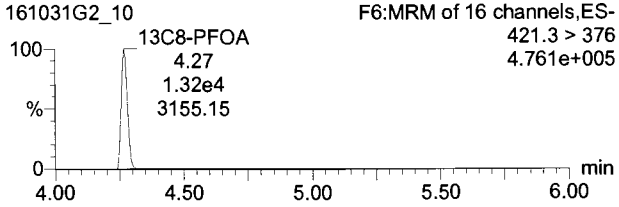
13C5-PFHxA



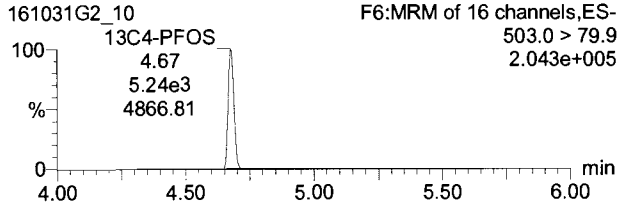
13C3-PFHxS



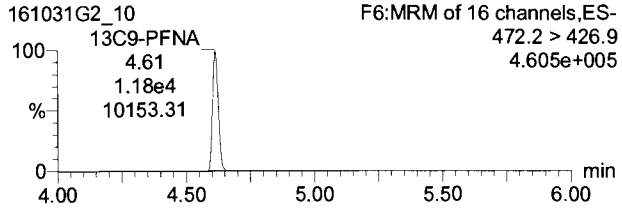
13C8-PFOA



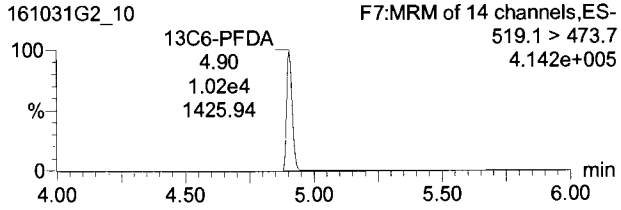
13C4-PFOS



13C9-PFNA



13C6-PFDA



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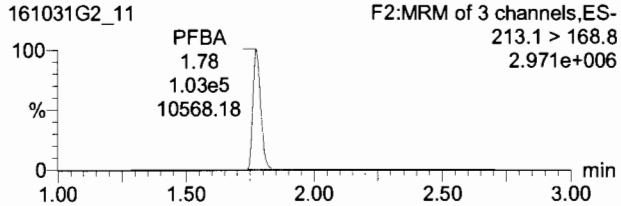
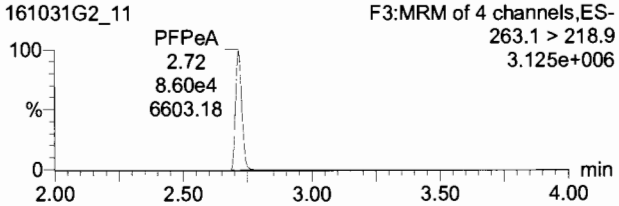
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_11, Date: 31-Oct-2016, Time: 19:07:32, ID: ST161031G2-10 PFC CS5 16J2711, Description: PFC CS5 16J2711 A

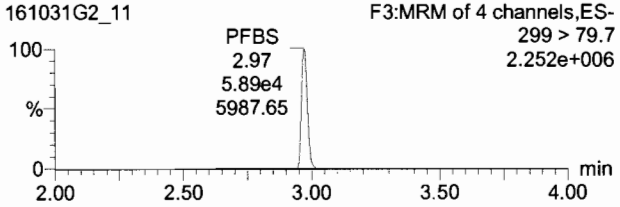
PFBA



PFPeA



PFBS



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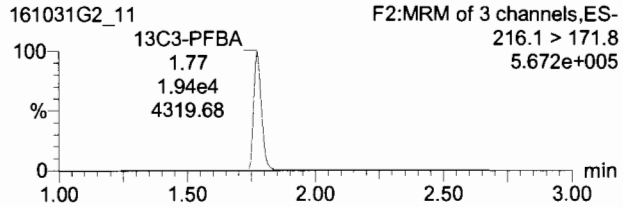

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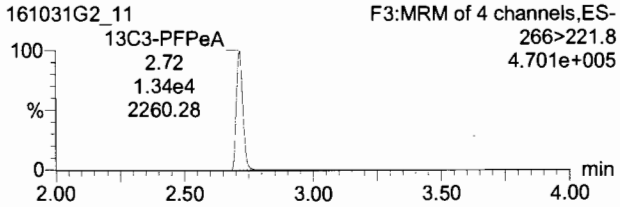
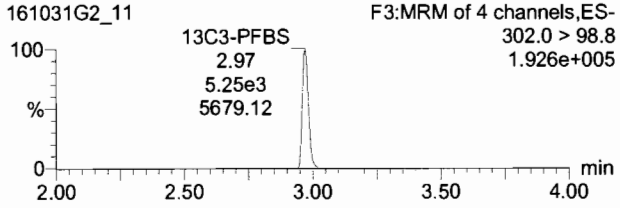
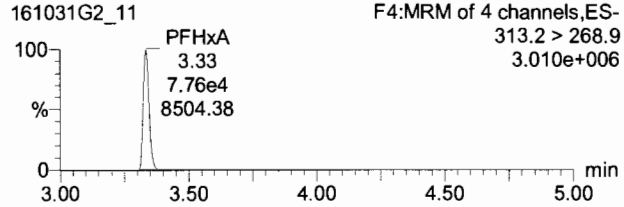


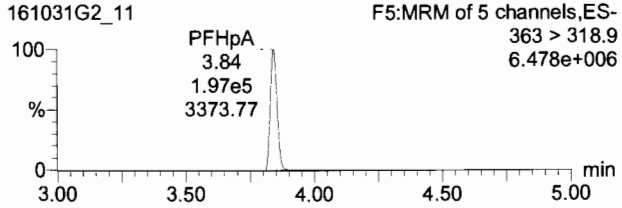
13C3-PFBS



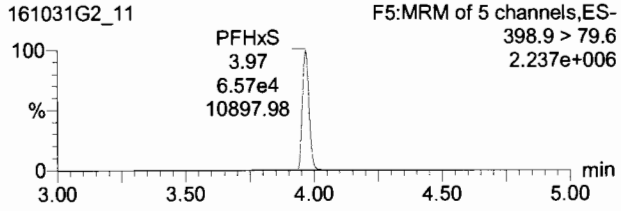
PFHxA



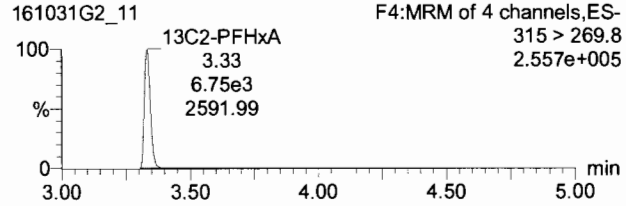
PFHpA



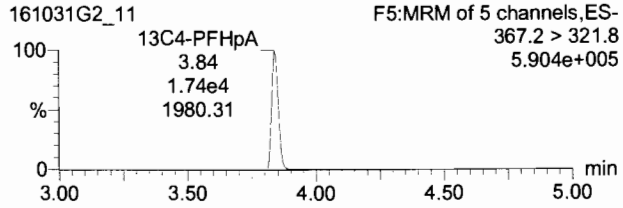
PFHxS



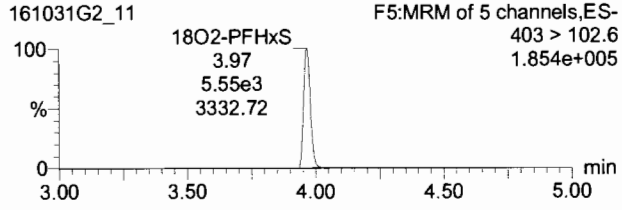
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



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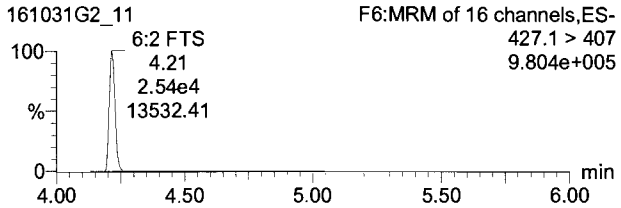
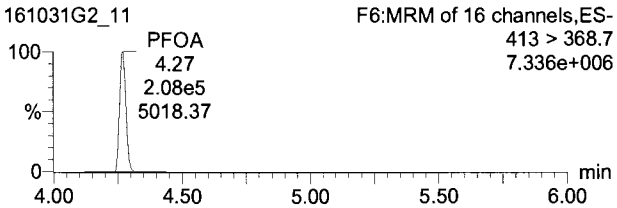
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_11, Date: 31-Oct-2016, Time: 19:07:32, ID: ST161031G2-10 PFC CS5 16J2711, Description: PFC CS5 16J2711 A

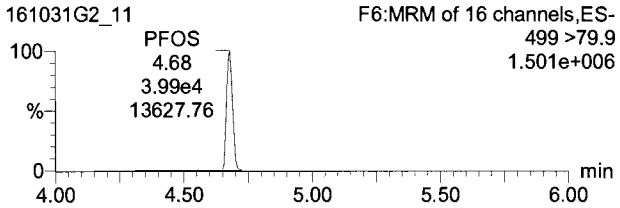
6:2 FTS



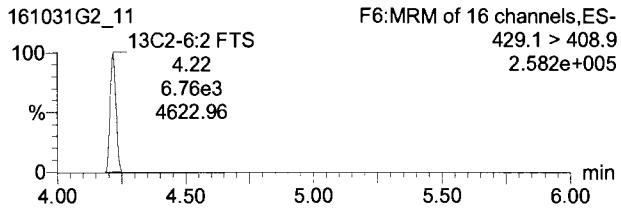
PFOA



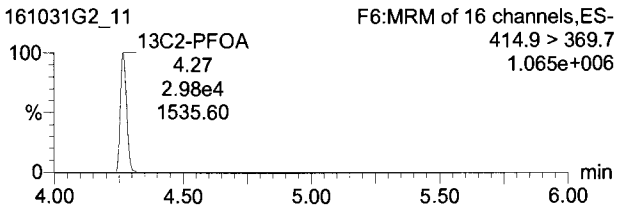
PFOS



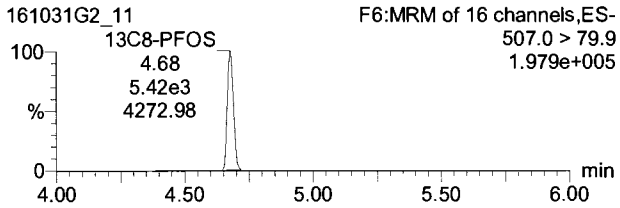
13C2-6:2 FTS



13C2-PFOA



13C8-PFOS



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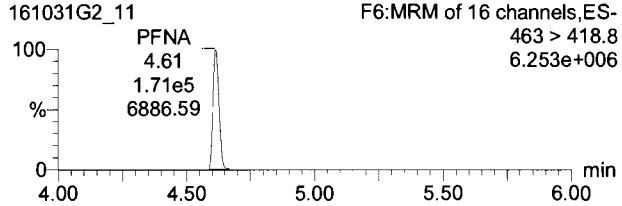
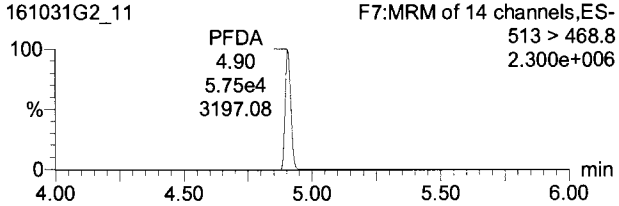
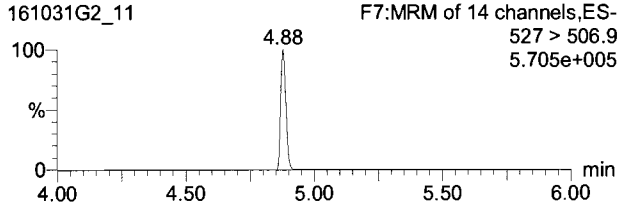


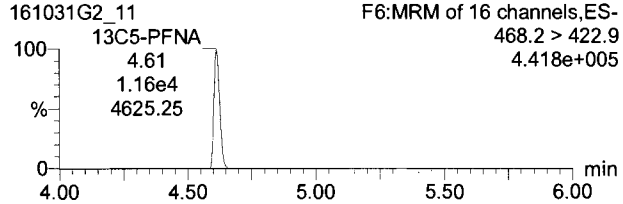
PFDA



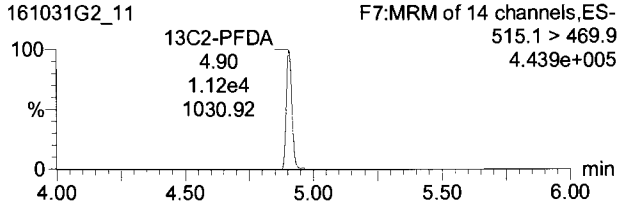
8:2 FTS



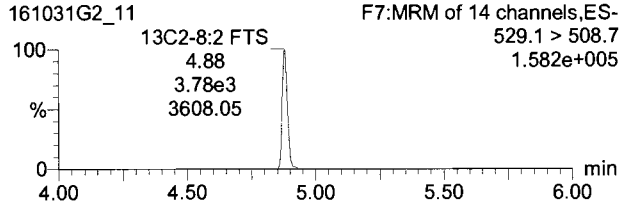
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS

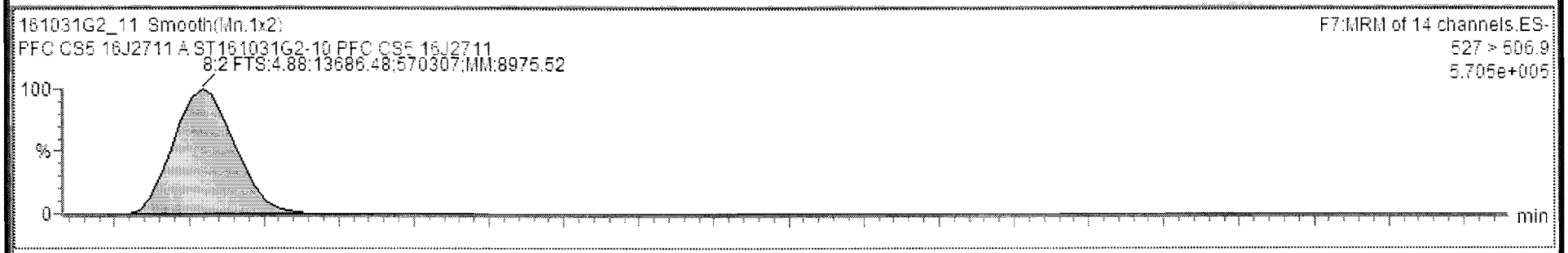


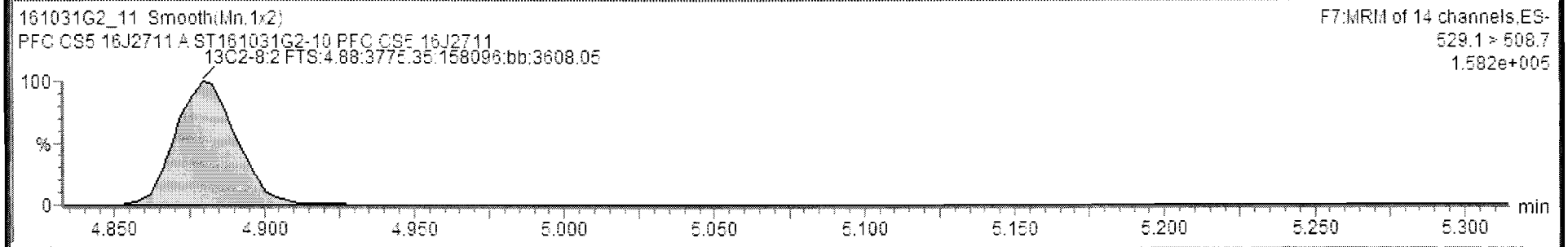
TargetLynx - 161031G2-CRV.qld * - [Chromatogram]

File Edit View Display Processing Window Help

161031G2_11 - ST161031G2-10 PFC CS5 16J2711 - PFC CS5 16J2711 A

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	1.03e5	86.494	0.665	1.000	1.78	97.8	97.8	0.0260358		0.9969
2	PFPeA	263.1 > 218.9	8.60e4	80.245	0.802	1.000	2.72	98.6	98.6	0.0607746		0.9990
3	PFBS	299 > 79.7	5.89e4	140.345	1.403	1.000	2.97	101	101.5	0.1099331		0.9987
4	PFHxA	313.2 > 268.9	7.76e4	57.494	0.575	1.000	3.33	98.5	98.5	0.0102827		0.9991
5	PFHpA	363 > 318.9	1.97e5	141.744	1.417	1.000	3.84	100	100.0	0.0928676		0.9990
6	PFHxS	398.9 > 79.6	6.57e4	147.941	1.479	1.000	3.97	100	100.4	0.0363065		0.9996
7	8:2 FTS	427.1 > 407	2.54e4	46.933	0.469	1.000	4.21	105	104.7	0.0110362		0.9774
8	PFOA	413 > 368.7	2.08e5	87.088	0.871	1.000	4.27	95.7	95.7	0.0306469		0.9981
9	PFOS	499 >79.9	3.99e4	92.059	0.921	1.000	4.68	107	107.0	0.0769305		0.9954
10	PFNA	463 > 418.8	1.71e5	184.533	1.845	1.000	4.61	101	100.9	0.0680584		0.9990
11	PFDA	513 > 468.8	5.75e4	64.269	0.643	1.000	4.90	100	100.5	0.1053562		0.9984
12	8:2 FTS	527 > 506.9	1.37e4	45.315	0.453	1.000	4.88	96.6	96.6	0.0438888		0.9982
13	13C3-PFBA	216.1 > 171.8	1.94e4	12.556	1.004	1.000	1.77	13.1	104.6	0.0078269	4.47	
14	13C3-PFPeA	266>221.8	1.34e4	6.919	0.554	1.000	2.72	13.1	105.1	0.0136090	4.47	





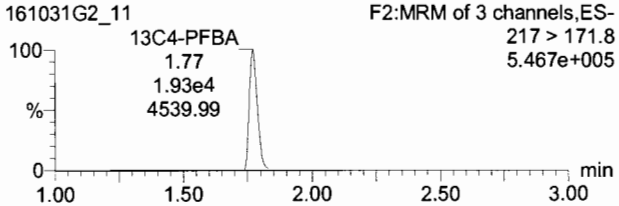
Ready 161031G2_11 CAP NUM

Dataset: Untitled

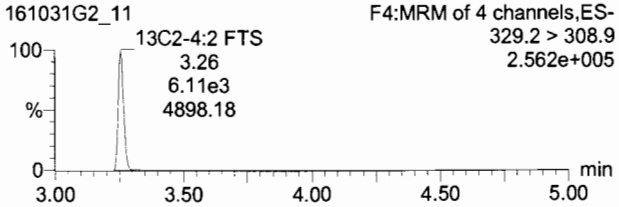
Last Altered: Tuesday, November 01, 2016 11:15:44 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:16:04 Pacific Daylight Time

Name: 161031G2_11, Date: 31-Oct-2016, Time: 19:07:32, ID: ST161031G2-10 PFC CS5 16J2711, Description: PFC CS5 16J2711 A

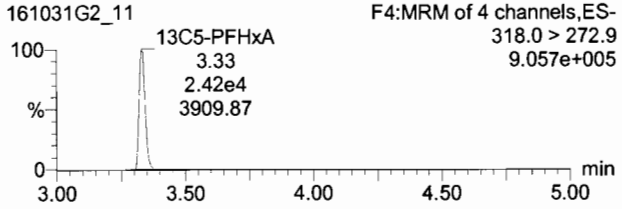
13C4-PFBA



13C2-4:2 FTS



13C5-PFHxA



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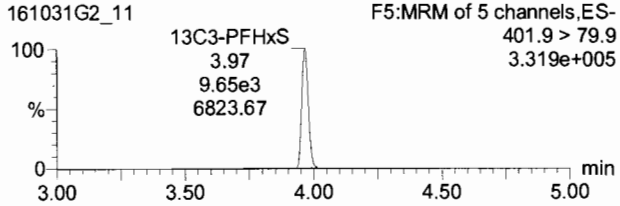
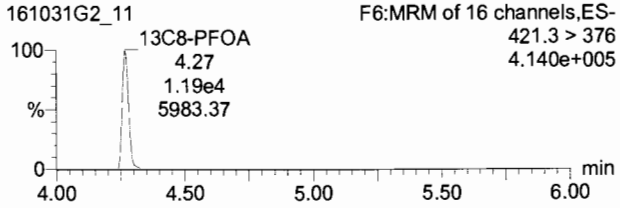
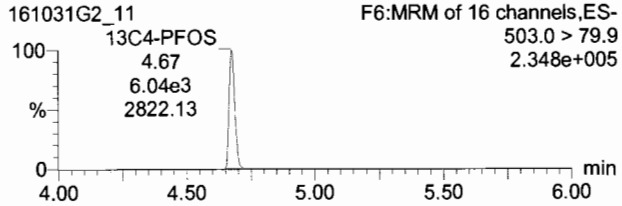


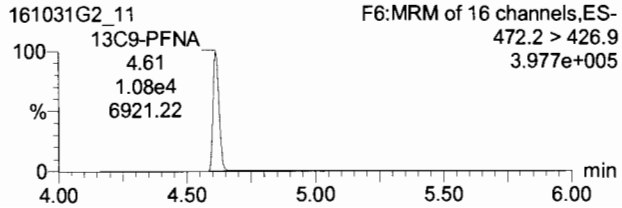
13C8-PFOA



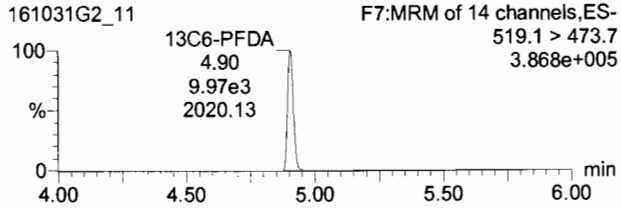
13C4-PFOS



13C9-PFNA



13C6-PFDA



Quantify Sample Summary Report **MassLynx 4.1**
Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-13.qld

Last Altered: Tuesday, November 01, 2016 13:28:56 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:29:25 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 13:33:12
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 13:21:44

Name: 161031G2_13, Date: 31-Oct-2016, Time: 19:32:47, ID: SS161031G2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

	#-Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	1 PFBA	213.1 > 168.8	2.53e4	1.78e4		1.000	1.77	26.2	104.8
2	2 PFPeA	263.1 > 218.9	1.63e4	1.26e4		1.000	2.72	20.0	79.8
3	3 PFBS	299 > 79.7	1.16e4	5.16e3		1.000	2.97	20.4	81.4
4	4 PFHxA	313.2 > 268.9	2.15e4	6.43e3		1.000	3.34	28.6	114.5
5	5 PFHpA	363 > 318.9	4.98e4	1.74e4		1.000	3.84	25.2	100.9
6	6 PFHxS	398.9 > 79.6	1.03e4	5.08e3		1.000	3.97	17.2	~~68.8~~ 84.8 A
7	7 6:2 FTS	427.1 > 407	4.96e3	3.14e3		1.000	4.22	34.3	137.2 B
8	8 PFOA	413 > 368.7	3.81e4	2.60e4		1.000	4.27	20.1	~~80.6~~ 102 A
9	9 PFOS	499 >79.9	5.03e3	4.78e3		1.000	4.68	15.3	~~61.4~~ 77.9
10	10 PFNA	463 > 418.8	3.78e4	1.07e4		1.000	4.62	24.2	96.6
11	11 PFDA	513 > 468.8	1.09e4	7.67e3		1.000	4.91	27.8	111.3
12	12 8:2 FTS	527 > 506.9	2.02e3	2.31e3		1.000	4.88	18.8	75.0
13	13 13C3-PFBA	216.1 > 171.8	1.78e4	1.79e4	0.960	1.000	1.77	13.0	103.7
14	14 13C3-PFPeA	266>221.8	1.26e4	2.35e4	0.526	1.000	2.72	12.7	101.9
15	15 13C3-PFBS	302.0 > 98.8	5.16e3	2.35e4	0.209	1.000	2.97	13.2	105.4
16	16 13C2-PFHxA	315 > 269.8	6.43e3	2.35e4	0.655	1.000	3.33	5.23	104.5
17	17 13C4-PFHpA	367.2 > 321.8	1.74e4	8.24e3	1.904	1.000	3.84	13.9	111.0
18	18 18O2-PFHxS	403 > 102.6	5.08e3	8.24e3	0.580	1.000	3.97	13.3	106.3
19	19 13C2-6:2 FTS	429.1 > 408.9	3.14e3	4.49e3	0.896	1.000	4.22	9.74	77.9
20	20 13C2-PFOA	414.9 > 369.7	2.60e4	1.13e4	2.326	1.000	4.27	12.4	99.1
21	21 13C8-PFOS	507.0 > 79.9	4.78e3	3.60e3	0.982	1.000	4.68	16.9	135.2
22	22 13C5-PFNA	468.2 > 422.9	1.07e4	9.73e3	1.038	1.000	4.61	13.3	106.1
23	23 13C2-PFDA	515.1 > 469.9	7.67e3	7.69e3	1.053	1.000	4.91	11.8	94.7
24	24 13C2-8:2 FTS	529.1 > 508.7	2.31e3	4.49e3	0.635	1.000	4.88	10.1	80.9
25	25 13C4-PFBA	217 > 171.8	1.79e4	1.79e4	1.000	1.000	1.77	12.5	100.0
26	26 13C2-4:2 FTS	329.2 > 308.9	4.49e3	4.49e3	1.000	1.000	3.26	12.5	100.0
27	27 13C5-PFHxA	318.0 > 272.9	2.35e4	2.35e4	1.000	1.000	3.33	12.5	100.0
28	28 13C3-PFHxS	401.9 > 79.9	8.24e3	8.24e3	1.000	1.000	3.97	12.5	100.0
29	29 13C8-PFOA	421.3 > 376	1.13e4	1.13e4	1.000	1.000	4.27	12.5	100.0
30	30 13C4-PFOS	503.0 > 79.9	3.60e3	3.60e3	1.000	1.000	4.68	12.5	100.0
31	31 13C9-PFNA	472.2 > 426.9	9.73e3	9.73e3	1.000	1.000	4.61	12.5	100.0

75-125

AC
11/1/16

Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2016\161031G2\161031G2-13.qld

Last Altered: Tuesday, November 01, 2016 13:28:56 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 13:29:25 Pacific Daylight Time

Name: 161031G2_13, Date: 31-Oct-2016, Time: 19:32:47, ID: SS161031G2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

	#-Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	32 13C6-PFDA	519.1 > 473.7	7.69e3	7.69e3	1.000	1.000	4.90	12.5	100.0

Vista Analytical Laboratory Q1

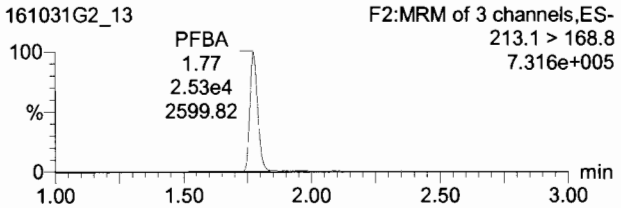
Dataset: Untitled

Last Altered: Tuesday, November 01, 2016 12:04:06 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 12:05:16 Pacific Daylight Time

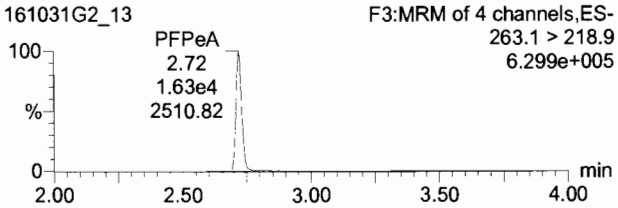
Method: U:\G1.PRO\MethDB\PFAS_18_A_LINEAR.mdb 01 Nov 2016 12:05:38
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-31-16_L18_A.cdb 01 Nov 2016 11:59:14

Name: 161031G2_13, Date: 31-Oct-2016, Time: 19:32:47, ID: SS161031G2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

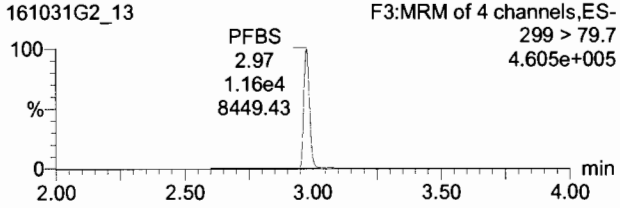
PFBA



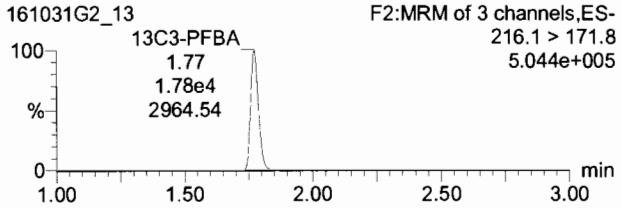
PFPeA



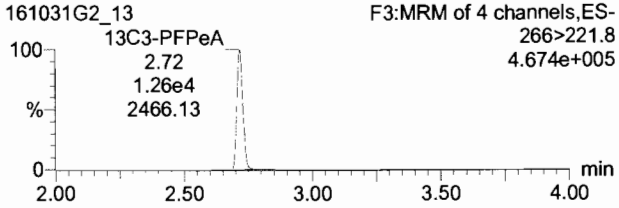
PFBS



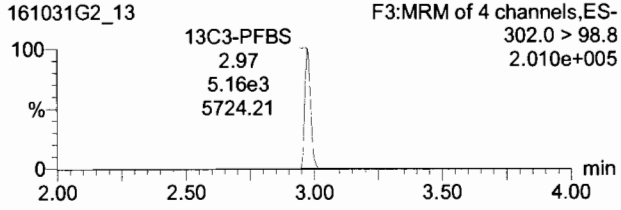
13C3-PFBA



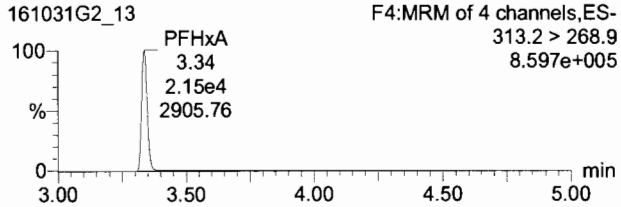
13C3-PFPeA



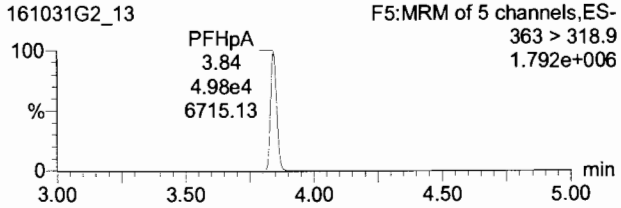
13C3-PFBS



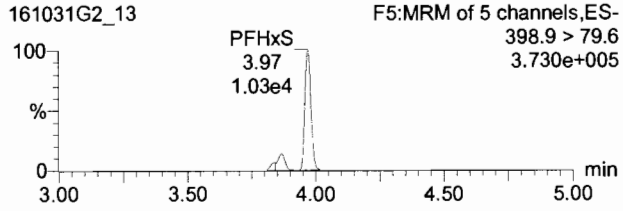
PFHxA



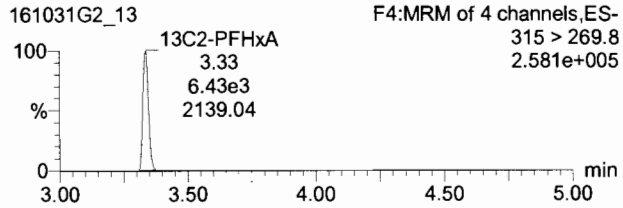
PFHpA



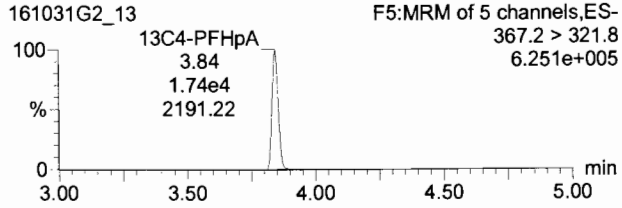
PFHxS



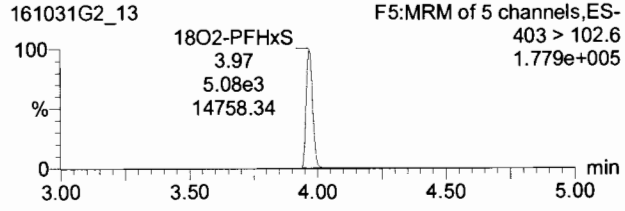
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



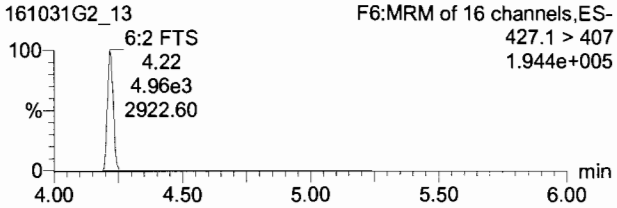
Vista Analytical Laboratory Q1

Dataset: Untitled

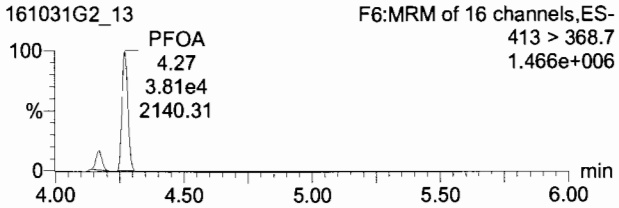
Last Altered: Tuesday, November 01, 2016 12:04:06 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 12:05:16 Pacific Daylight Time

Name: 161031G2_13, Date: 31-Oct-2016, Time: 19:32:47, ID: SS161031G2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

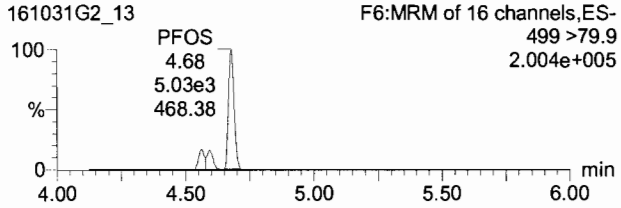
6:2 FTS



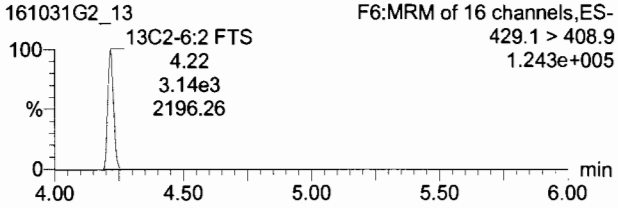
PFOA



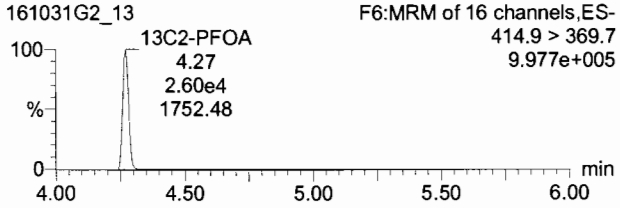
PFOS



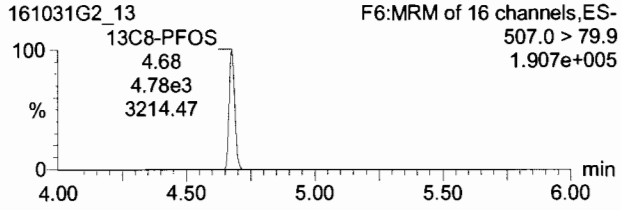
13C2-6:2 FTS



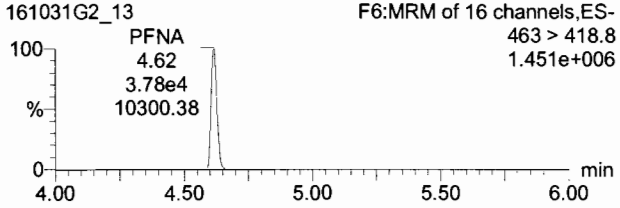
13C2-PFOA



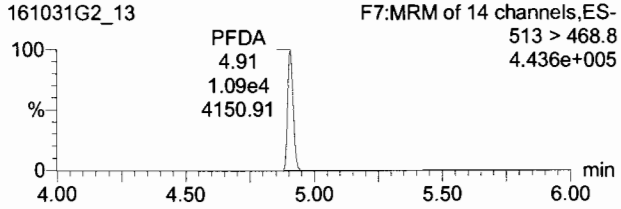
13C8-PFOS



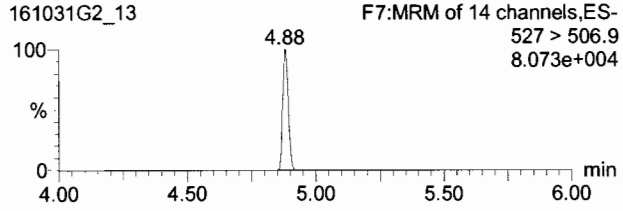
PFNA



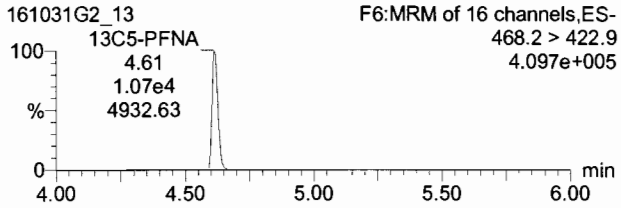
PFDA



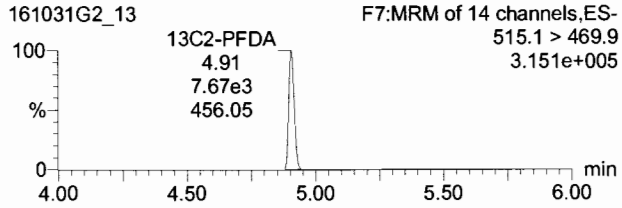
8:2 FTS



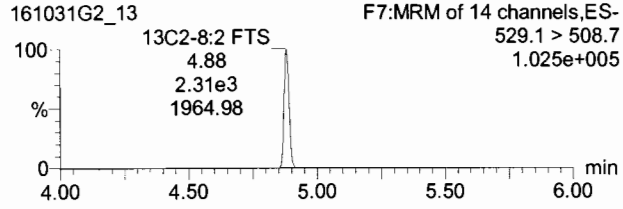
13C5-PFNA



13C2-PFDA



13C2-8:2 FTS



TargetLynx - untitled * - [Chromatogram]

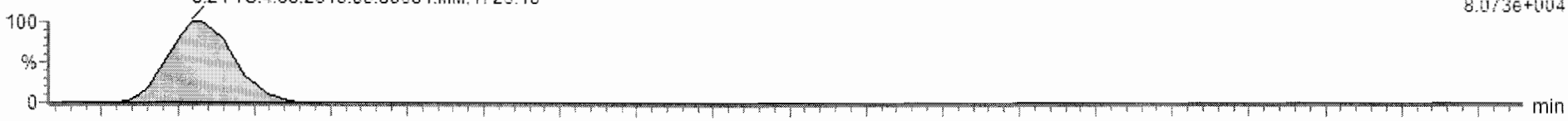
File Edit View Display Processing Window Help

161031G2_13 - SS161031G2-1 PFC SSS 16J1810 - PFC SSS 16J1810 A

	Name	Trace	Area	RRF	WtVoL	Pred.RT	RT	Conc.	>MDL	%Rec	DL
1	PFBA	213.1 > 168.8	2.53e4		1.000	1.77	1.77	26.2	YES	104.8	0.0288910
2	PFPeA	263.1 > 218.9	1.63e4		1.000	2.72	2.72	20.0	YES	79.8	0.0427341
3	PFBS	299 > 79.7	1.16e4		1.000	2.97	2.97	20.4	YES	81.4	0.0719750
4	PFHxA	313.2 > 268.9	2.15e4		1.000	3.33	3.34	28.6	YES	114.5	0.0051964
5	PFHpA	363 > 318.9	4.98e4		1.000	3.84	3.84	25.2	YES	100.9	0.0305483
6	PFHxS	398.9 > 79.8	1.03e4		1.000	3.97	3.97	17.2	YES	68.8	0.0128032
7	6:2 FTS	427.1 > 407	4.96e3		1.000	4.22	4.22	34.3	YES	137.2	0.0616842
8	PFOA	413 > 368.7	3.81e4		1.000	4.27	4.27	20.1	YES	80.6	0.0070728
9	PFOS	499 >79.9	5.03e3		1.000	4.68	4.68	15.3	YES	61.4	0.1345361
10	PFNA	463 > 418.8	3.78e4		1.000	4.61	4.62	24.2	YES	96.6	0.0388678
11	PFDA	513 > 468.8	1.09e4		1.000	4.91	4.91	27.8	NO	111.3	0.0428996
12	8:2 FTS	527 > 506.9	2.02e3		1.000	4.88	4.88	18.8	YES	75.0	0.0344267
13	13C3-PFBA	216.1 > 171.8	1.78e4	0.960	1.000	1.77	1.77	13.0	NO	103.7	0.0111681
14	13C3-PFPeA	266>221.8	1.26e4	0.526	1.000	2.72	2.72	12.7	NO	101.9	0.0119928
15	13C3-PFBS	302.0 > 98.8	5.16e3	0.209	1.000	2.97	2.97	13.2	NO	105.4	0.0056148
16	13C2-PFHxA	315 > 269.8	6.43e3	0.655	1.000	3.33	3.33	5.23	NO	104.5	0.0061313
17	13C4-PFHpA	367.2 > 321.8	1.74e4	1.90	1.000	3.85	3.84	13.9	NO	111.0	0.0156260
18	18O2-PFHxS	403 > 102.6	5.08e3	0.580	1.000	3.97	3.97	13.3	NO	106.3	0.0021694

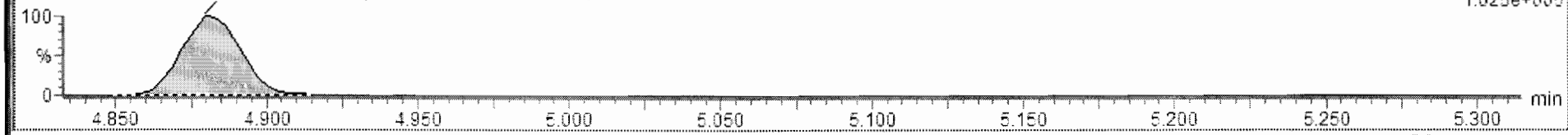
161031G2_13 Smooth(Mn,1x2);
PFC SSS 16J1810 A SS161031G2-1 PFC SSS 16J1810
8:2 FTS:4.88:2019.55:80681:MM:1726.18

F7:MRM of 14 channels.ES-
527 > 506.9
8.073e+004



161031G2_13 Smooth(Mn,1x2);
PFC SSS 16J1810 A SS161031G2-1 PFC SSS 16J1810
13C2-8:2 FTS:4.88:2308.91:102245:MM:1963.55

F7:MRM of 14 channels.ES-
529.1 > 508.7
1.025e+005



Ready 161031G2_13 CAP NUM

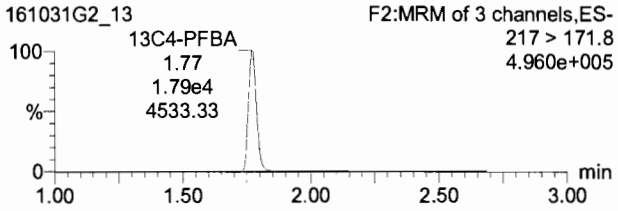
Vista Analytical Laboratory Q1

Dataset: Untitled

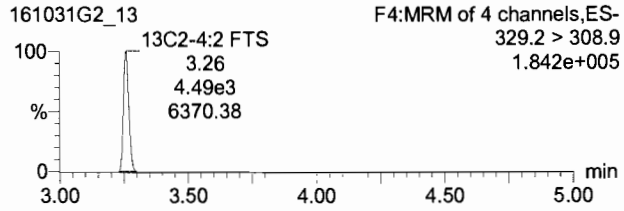
Last Altered: Tuesday, November 01, 2016 12:04:06 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 12:05:16 Pacific Daylight Time

Name: 161031G2_13, Date: 31-Oct-2016, Time: 19:32:47, ID: SS161031G2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

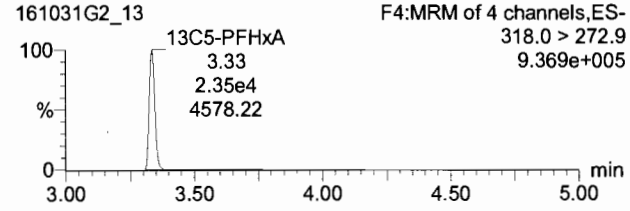
13C4-PFBA



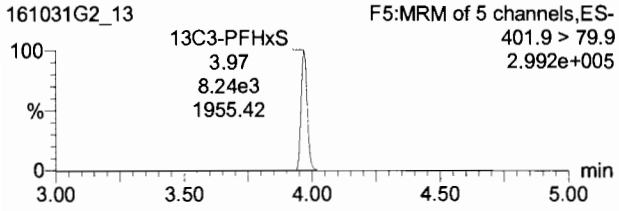
13C2-4:2 FTS



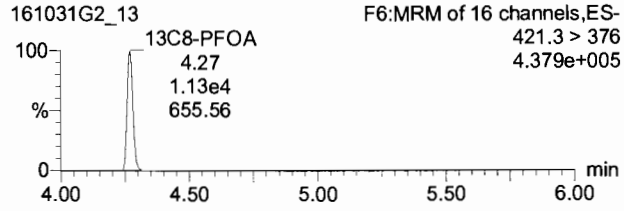
13C5-PFHxA



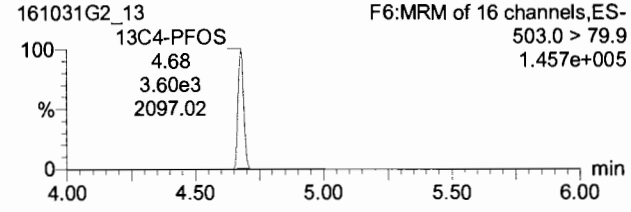
13C3-PFHxS



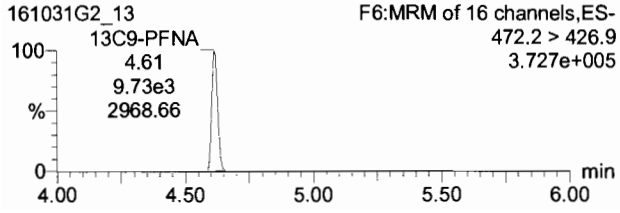
13C8-PFOA



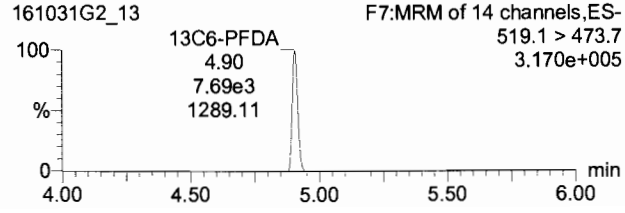
13C4-PFOS



13C9-PFNA



13C6-PFDA



Quantify Compound Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory Q2

Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:53:42 Pacific Standard Time

Method: U:\Q2.PRO\MethDB\PFC List 18_A No4-2FTS_Mixed.mdb 12 Nov 2016 10:51:05
Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

Compound name: PFBA
Correlation coefficient: r = 0.998498, r^2 = 0.996999
Calibration curve: 1.04509 * x + 0.0382703
Response type: Internal Std (Ref 13), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	2.04	5.63e2	1.03e4	0.616	23.3	1.36
2	2	161111J2_04_P1_E1	1.00	2.04	9.71e2	1.10e4	1.02	2.2	1.11
3	3	161111J2_05_P1_E1	2.00	2.03	1.64e3	1.14e4	1.68	-15.9	0.898
4	4	161111J2_06_P1_E1	5.00	2.04	3.73e3	1.12e4	3.94	-21.3	0.830
5	5	161111J2_07_P1_E1	10.0	2.04	1.01e4	1.08e4	11.1	10.6	1.16
6	6	161111J2_08_P1_E1	25.0	2.04	2.07e4	8.98e3	27.6	10.3	1.15
7	7	161111J2_09_P1_E1	50.0	2.04	4.37e4	1.03e4	50.8	1.5	1.06
8	8	161111J2_10_P1_E1	75.0	2.04	6.53e4	1.05e4	74.4	-0.8	1.04
9	9	161111J2_11_P1_E1	100	2.04	8.30e4	1.02e4	97.5	-2.5	1.02

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11/12/16

✓AC 11/13/16

Compound name: PFPeA
Correlation coefficient: r = 0.998036, r^2 = 0.996076
Calibration curve: 0.910461 * x + 0.0566694
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	3.18	5.69e2	1.15e4	0.619	23.7	1.24
2	2	161111J2_04_P1_E1	1.00	3.19	1.04e3	1.26e4	1.07	7.4	1.03
3	3	161111J2_05_P1_E1	2.00	3.18	1.66e3	1.32e4	1.66	-16.9	0.785
4	4	161111J2_06_P1_E1	5.00	3.18	3.82e3	1.32e4	3.91	-21.8	0.723
5	5	161111J2_07_P1_E1	10.0	3.19	1.04e4	1.30e4	10.9	8.9	0.998
6	6	161111J2_08_P1_E1	25.0	3.18	2.17e4	1.06e4	28.1	12.6	1.03
7	7	161111J2_09_P1_E1	50.0	3.18	4.51e4	1.20e4	51.7	3.4	0.943
8	8	161111J2_10_P1_E1	75.0	3.18	6.59e4	1.22e4	74.0	-1.4	0.899
9	9	161111J2_11_P1_E1	100	3.18	8.26e4	1.17e4	96.5	-3.5	0.880

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Compound name: PFBS
Coefficient of Determination: R^2 = 0.977505
Calibration curve: 0.00122129 * x^2 + 0.743308 * x + 0.145497
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x^2, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	3.45	2.92e2	6.77e3	0.529	5.8	1.08
2	2	161111J2_04_P1_E1	1.00	3.47	4.88e2	6.92e3	0.988	-1.2	0.881
3	3	161111J2_05_P1_E1	2.00	3.46	8.48e2	7.66e3	1.66	-17.0	0.692
4	4	161111J2_06_P1_E1	5.00	3.46	1.89e3	7.70e3	3.90	-22.1	0.612
5	5	161111J2_07_P1_E1	10.0	3.47	5.15e3	7.23e3	11.6	15.7	0.891
6	6	161111J2_08_P1_E1	25.0	3.46	1.10e4	5.91e3	29.6	18.3	0.928
7	7	161111J2_09_P1_E1	50.0	3.46	2.22e4	6.45e3	53.1	6.2	0.861
8	8	161111J2_10_P1_E1	75.0	3.46	3.34e4	6.63e3	75.3	0.4	0.840
9	9	161111J2_11_P1_E1	100	3.46	4.15e4	6.50e3	93.1	-6.9	0.799

Compound name: PFHxA
Correlation coefficient: r = 0.996921, r^2 = 0.993852
Calibration curve: 0.852369 * x + 0.067677
Response type: Internal Std (Ref 16), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	3.84	5.34e2	4.46e3	0.623	24.6	1.20
2	2	161111J2_04_P1_E1	1.00	3.84	9.27e2	4.84e3	1.04	4.4	0.958
3	3	161111J2_05_P1_E1	2.00	3.83	1.51e3	5.10e3	1.65	-17.4	0.738
4	4	161111J2_06_P1_E1	5.00	3.84	3.45e3	5.09e3	3.90	-22.0	0.678
5	5	161111J2_07_P1_E1	10.0	3.84	9.48e3	4.93e3	11.2	12.0	0.962
6	6	161111J2_08_P1_E1	25.0	3.84	1.97e4	3.97e3	29.0	15.9	0.990
7	7	161111J2_09_P1_E1	50.0	3.84	4.06e4	4.55e3	52.3	4.6	0.893
8	8	161111J2_10_P1_E1	75.0	3.85	5.88e4	4.61e3	74.7	-0.4	0.850
9	9	161111J2_11_P1_E1	100	3.85	7.27e4	4.53e3	94.1	-5.9	0.803

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Compound name: PFHpA
Correlation coefficient: r = 0.998500, r^2 = 0.997002
Calibration curve: 0.842904 * x + 0.0395603
Response type: Internal Std (Ref 17), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	4.32	4.20e2	9.04e3	0.642	28.4	1.16
2	2	161111J2_04_P1_E1	1.00	4.33	7.53e2	9.91e3	1.08	7.9	0.949
3	3	161111J2_05_P1_E1	2.00	4.32	1.18e3	1.08e4	1.57	-21.4	0.682
4	4	161111J2_06_P1_E1	5.00	4.33	2.74e3	1.04e4	3.86	-22.8	0.659
5	5	161111J2_07_P1_E1	10.0	4.32	7.77e3	1.05e4	11.0	9.6	0.928
6	6	161111J2_08_P1_E1	25.0	4.32	1.58e4	8.54e3	27.4	9.8	0.927
7	7	161111J2_09_P1_E1	50.0	4.32	3.40e4	1.00e4	50.1	0.1	0.845
8	8	161111J2_10_P1_E1	75.0	4.33	5.23e4	1.04e4	74.6	-0.5	0.839
9	9	161111J2_11_P1_E1	100	4.32	6.50e4	9.81e3	98.3	-1.7	0.829

Compound name: PFHxS
Coefficient of Determination: R^2 = 0.998167
Calibration curve: 0.00081896 * x^2 + 3.22284 * x + 0.0419742
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	4.43	2.29e2	1.34e3	0.648	29.7	4.26
2	2	161111J2_04_P1_E1	1.00	4.44	3.76e2	1.41e3	1.02	1.8	3.32
3	3	161111J2_05_P1_E1	2.00	4.43	6.82e2	1.59e3	1.65	-17.4	2.68
4	4	161111J2_06_P1_E1	5.00	4.44	1.50e3	1.48e3	3.91	-21.8	2.53
5	5	161111J2_07_P1_E1	10.0	4.44	3.85e3	1.46e3	10.2	2.0	3.30
6	6	161111J2_08_P1_E1	25.0	4.44	8.40e3	1.22e3	26.6	6.3	3.45
7	7	161111J2_09_P1_E1	50.0	4.44	1.86e4	1.41e3	50.3	0.6	3.28
8	8	161111J2_10_P1_E1	75.0	4.44	2.65e4	1.37e3	73.8	-1.6	3.23
9	9	161111J2_11_P1_E1	100	4.43	3.33e4	1.25e3	100	0.4	3.32

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Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.995743
Calibration curve: -0.00213642 * x^2 + 0.961467 * x + 0.0440674
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	4.66	1.33e2	2.51e3	0.643	28.6	1.32
2	2	161111J2_04_P1_E1	1.00	4.67	1.94e2	2.89e3	0.826	-17.4	0.837
3	3	161111J2_05_P1_E1	2.00	4.66	4.01e2	2.88e3	1.77	-11.7	0.868
4	4	161111J2_06_P1_E1	5.00	4.67	9.29e2	2.84e3	4.24	-15.2	0.817
5	5	161111J2_07_P1_E1	10.0	4.67	2.40e3	2.63e3	12.1	21.4	1.14
6	6	161111J2_08_P1_E1	25.0	4.66	4.58e3	2.68e3	23.4	-6.5	0.854
7	7	161111J2_09_P1_E1	50.0	4.67	1.00e4	2.95e3	49.6	-0.9	0.849
8	8	161111J2_10_P1_E1	75.0	4.67	1.51e4	3.07e3	77.3	3.0	0.821
9	9	161111J2_11_P1_E1	100	4.66	2.07e4	3.49e3	98.6	-1.4	0.741

Compound name: PFOA
Coefficient of Determination: R^2 = 0.996931
Calibration curve: -0.0025112 * x^2 + 1.31194 * x + 0.0471482
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	4.71	5.87e2	8.45e3	0.627	25.4	1.74
2	2	161111J2_04_P1_E1	1.00	4.71	1.03e3	8.64e3	1.10	10.2	1.49
3	3	161111J2_05_P1_E1	2.00	4.70	1.64e3	9.24e3	1.66	-17.2	1.11
4	4	161111J2_06_P1_E1	5.00	4.71	3.78e3	9.36e3	3.84	-23.2	1.01
5	5	161111J2_07_P1_E1	10.0	4.72	9.98e3	9.02e3	10.7	7.2	1.38
6	6	161111J2_08_P1_E1	25.0	4.71	2.00e4	7.47e3	26.9	7.7	1.34
7	7	161111J2_09_P1_E1	50.0	4.71	4.10e4	8.76e3	49.2	-1.7	1.17
8	8	161111J2_10_P1_E1	75.0	4.71	6.01e4	9.14e3	72.8	-2.9	1.10
9	9	161111J2_11_P1_E1	100	4.71	7.58e4	8.81e3	102	1.8	1.08

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Compound name: PFNA
Correlation coefficient: r = 0.998382, r^2 = 0.996768
Calibration curve: 0.905077 * x + 0.00552082
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	5.03	3.24e2	7.26e3	0.611	22.1	1.12
2	2	161111J2_04_P1_E1	1.00	5.03	6.34e2	8.73e3	0.997	-0.3	0.908
3	3	161111J2_05_P1_E1	2.00	5.03	1.10e3	8.84e3	1.71	-14.5	0.776
4	4	161111J2_06_P1_E1	5.00	5.05	2.80e3	1.02e4	3.79	-24.2	0.687
5	5	161111J2_07_P1_E1	10.0	5.06	8.36e3	9.95e3	11.6	16.0	1.05
6	6	161111J2_08_P1_E1	25.0	5.03	1.25e4	6.61e3	26.0	4.1	0.943
7	7	161111J2_09_P1_E1	50.0	5.03	2.75e4	7.56e3	50.3	0.6	0.911
8	8	161111J2_10_P1_E1	75.0	5.03	4.10e4	7.89e3	71.8	-4.3	0.866
9	9	161111J2_11_P1_E1	100	5.05	6.43e4	8.74e3	102	1.7	0.920

Compound name: PFOS
Correlation coefficient: r = 0.985935, r^2 = 0.972067
Calibration curve: 1.25111 * x + 0.123067
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x^2, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	5.09	2.07e2	3.18e3	0.553	10.7	1.63
2	2	161111J2_04_P1_E1	1.00	5.10	3.67e2	3.57e3	0.927	-7.3	1.28
3	3	161111J2_05_P1_E1	2.00	5.09	6.49e2	3.92e3	1.56	-22.2	1.04
4	4	161111J2_06_P1_E1	5.00	5.11	1.33e3	3.44e3	3.77	-24.6	0.968
5	5	161111J2_07_P1_E1	10.0	5.11	3.82e3	3.38e3	11.2	11.7	1.41
6	6	161111J2_08_P1_E1	25.0	5.09	8.42e3	2.92e3	28.7	14.8	1.44
7	7	161111J2_09_P1_E1	50.0	5.09	1.21e4	2.42e3	49.9	-0.2	1.25
8	8	161111J2_10_P1_E1	75.0	5.10	2.03e4	2.48e3	81.7	9.0	1.36
9	9	161111J2_11_P1_E1	100	5.11	2.75e4	2.53e3	108	8.2	1.35

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Compound name: PFDA
Correlation coefficient: r = 0.998849, r^2 = 0.997699
Calibration curve: 1.01138 * x + -0.0247569
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	5.31	1.89e2	4.48e3	0.547	9.4	1.06
2	2	161111J2_04_P1_E1	1.00	5.32	3.61e2	4.63e3	0.988	-1.2	0.975
3	3	161111J2_05_P1_E1	2.00	5.32	7.61e2	5.52e3	1.73	-13.6	0.861
4	4	161111J2_06_P1_E1	5.00	5.33	1.52e3	4.38e3	4.31	-13.7	0.867
5	5	161111J2_07_P1_E1	10.0	5.33	3.62e3	4.24e3	10.6	6.0	1.07
6	6	161111J2_08_P1_E1	25.0	5.31	8.34e3	3.84e3	26.9	7.5	1.09
7	7	161111J2_09_P1_E1	50.0	5.32	1.26e4	2.94e3	52.8	5.7	1.07
8	8	161111J2_10_P1_E1	75.0	5.31	1.79e4	3.02e3	73.3	-2.2	0.989
9	9	161111J2_11_P1_E1	100	5.32	2.62e4	3.33e3	97.3	-2.7	0.983

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.995769
Calibration curve: -0.00383329 * x^2 + 1.1235 * x + -0.0810222
Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500	5.29	6.35e1	1.27e3	0.632	26.4	1.25
2	2	161111J2_04_P1_E1	1.00	5.29	1.02e2	1.36e3	0.910	-9.0	0.938
3	3	161111J2_05_P1_E1	2.00	5.30	2.14e2	1.48e3	1.69	-15.5	0.903
4	4	161111J2_06_P1_E1	5.00	5.31	4.03e2	1.23e3	3.77	-24.6	0.819
5	5	161111J2_07_P1_E1	10.0	5.31	1.09e3	1.27e3	9.94	-0.6	1.07
6	6	161111J2_08_P1_E1	25.0	5.29	2.44e3	1.08e3	27.7	10.8	1.12
7	7	161111J2_09_P1_E1	50.0	5.30	4.06e3	1.08e3	50.6	1.1	0.939
8	8	161111J2_10_P1_E1	75.0	5.29	5.24e3	1.08e3	71.7	-4.3	0.811
9	9	161111J2_11_P1_E1	100	5.30	6.59e3	1.10e3	102	1.8	0.746

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Compound name: 13C3-PFBA
Response Factor: 0.89422
RRF SD: 0.0909819, Relative SD: 10.1744
Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	2.03	1.03e4	1.29e4	11.2	-10.3	0.802
2	2	161111J2_04_P1_E1	12.5	2.04	1.10e4	1.17e4	13.1	4.9	0.938
3	3	161111J2_05_P1_E1	12.5	2.03	1.14e4	1.19e4	13.4	7.2	0.958
4	4	161111J2_06_P1_E1	12.5	2.04	1.12e4	1.11e4	14.2	13.5	1.01
5	5	161111J2_07_P1_E1	12.5	2.04	1.08e4	1.11e4	13.6	9.0	0.974
6	6	161111J2_08_P1_E1	12.5	2.04	8.98e3	1.24e4	10.1	-19.3	0.721
7	7	161111J2_09_P1_E1	12.5	2.04	1.03e4	1.17e4	12.3	-1.7	0.879
8	8	161111J2_10_P1_E1	12.5	2.04	1.05e4	1.18e4	12.5	-0.3	0.891
9	9	161111J2_11_P1_E1	12.5	2.04	1.02e4	1.17e4	12.1	-2.8	0.869

Compound name: 13C3-PFPeA
Response Factor: 0.945444
RRF SD: 0.102116, Relative SD: 10.8009
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	3.18	1.15e4	1.41e4	10.8	-13.9	0.814
2	2	161111J2_04_P1_E1	12.5	3.19	1.26e4	1.31e4	12.7	1.5	0.960
3	3	161111J2_05_P1_E1	12.5	3.17	1.32e4	1.35e4	13.0	3.7	0.981
4	4	161111J2_06_P1_E1	12.5	3.18	1.32e4	1.23e4	14.2	13.9	1.08
5	5	161111J2_07_P1_E1	12.5	3.19	1.30e4	1.22e4	14.0	12.2	1.06
6	6	161111J2_08_P1_E1	12.5	3.18	1.06e4	1.38e4	10.1	-19.4	0.762
7	7	161111J2_09_P1_E1	12.5	3.18	1.20e4	1.25e4	12.6	1.0	0.955
8	8	161111J2_10_P1_E1	12.5	3.18	1.22e4	1.27e4	12.8	2.1	0.965
9	9	161111J2_11_P1_E1	12.5	3.18	1.17e4	1.26e4	12.4	-1.1	0.935

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Compound name: 13C3-PFBS
Response Factor: 0.530916
RRF SD: 0.0593801, Relative SD: 11.1845
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	3.45	6.77e3	1.41e4	11.3	-9.5	0.480
2	2	161111J2_04_P1_E1	12.5	3.47	6.92e3	1.31e4	12.4	-0.7	0.527
3	3	161111J2_05_P1_E1	12.5	3.46	7.66e3	1.35e4	13.4	7.3	0.570
4	4	161111J2_06_P1_E1	12.5	3.46	7.70e3	1.23e4	14.8	18.2	0.627
5	5	161111J2_07_P1_E1	12.5	3.47	7.23e3	1.22e4	13.9	11.2	0.590
6	6	161111J2_08_P1_E1	12.5	3.46	5.91e3	1.38e4	10.1	-19.6	0.427
7	7	161111J2_09_P1_E1	12.5	3.46	6.45e3	1.25e4	12.1	-3.0	0.515
8	8	161111J2_10_P1_E1	12.5	3.46	6.63e3	1.27e4	12.3	-1.3	0.524
9	9	161111J2_11_P1_E1	12.5	3.46	6.50e3	1.26e4	12.2	-2.5	0.518

Compound name: 13C2-PFHxA
Response Factor: 0.904554
RRF SD: 0.0988189, Relative SD: 10.9246
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	5.00	3.84	4.46e3	1.41e4	4.37	-12.5	0.791
2	2	161111J2_04_P1_E1	5.00	3.84	4.84e3	1.31e4	5.09	1.8	0.921
3	3	161111J2_05_P1_E1	5.00	3.83	5.10e3	1.35e4	5.24	4.9	0.948
4	4	161111J2_06_P1_E1	5.00	3.84	5.09e3	1.23e4	5.73	14.6	1.04
5	5	161111J2_07_P1_E1	5.00	3.84	4.93e3	1.22e4	5.56	11.3	1.01
6	6	161111J2_08_P1_E1	5.00	3.84	3.97e3	1.38e4	3.96	-20.7	0.717
7	7	161111J2_09_P1_E1	5.00	3.84	4.55e3	1.25e4	5.02	0.4	0.908
8	8	161111J2_10_P1_E1	5.00	3.84	4.61e3	1.27e4	5.03	0.7	0.911
9	9	161111J2_11_P1_E1	5.00	3.85	4.53e3	1.26e4	4.98	-0.3	0.902

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Compound name: 13C4-PFHpA
Response Factor: 0.769651
RRF SD: 0.0853478, Relative SD: 11.0892
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	4.32	9.04e3	1.41e4	10.4	-16.6	0.642
2	2	161111J2_04_P1_E1	12.5	4.33	9.91e3	1.31e4	12.3	-1.9	0.755
3	3	161111J2_05_P1_E1	12.5	4.31	1.08e4	1.35e4	13.1	4.8	0.806
4	4	161111J2_06_P1_E1	12.5	4.33	1.04e4	1.23e4	13.8	10.0	0.847
5	5	161111J2_07_P1_E1	12.5	4.32	1.05e4	1.22e4	13.9	11.1	0.855
6	6	161111J2_08_P1_E1	12.5	4.32	8.54e3	1.38e4	10.0	-19.8	0.617
7	7	161111J2_09_P1_E1	12.5	4.32	1.00e4	1.25e4	13.0	4.3	0.803
8	8	161111J2_10_P1_E1	12.5	4.33	1.04e4	1.27e4	13.3	6.6	0.821
9	9	161111J2_11_P1_E1	12.5	4.32	9.81e3	1.26e4	12.7	1.5	0.781

Compound name: 18O2-PFHxS
Response Factor: 0.275968
RRF SD: 0.0323848, Relative SD: 11.735
Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	4.43	1.34e3	5.84e3	10.4	-16.6	0.230
2	2	161111J2_04_P1_E1	12.5	4.44	1.41e3	5.10e3	12.6	0.5	0.277
3	3	161111J2_05_P1_E1	12.5	4.43	1.59e3	5.19e3	13.9	10.9	0.306
4	4	161111J2_06_P1_E1	12.5	4.44	1.48e3	4.72e3	14.2	13.5	0.313
5	5	161111J2_07_P1_E1	12.5	4.44	1.46e3	4.92e3	13.4	7.4	0.296
6	6	161111J2_08_P1_E1	12.5	4.44	1.22e3	5.55e3	9.93	-20.5	0.219
7	7	161111J2_09_P1_E1	12.5	4.43	1.41e3	4.80e3	13.4	6.8	0.295
8	8	161111J2_10_P1_E1	12.5	4.44	1.37e3	4.97e3	12.4	-0.4	0.275
9	9	161111J2_11_P1_E1	12.5	4.43	1.25e3	4.61e3	12.3	-1.5	0.272

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Compound name: 13C2-6:2 FTS
Response Factor: 0.218688
RRF SD: 0.0312976, Relative SD: 14.3115
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	4.66	2.51e3	1.41e4	10.2	-18.7	0.178
2	2	161111J2_04_P1_E1	12.5	4.66	2.89e3	1.39e4	11.9	-4.9	0.208
3	3	161111J2_05_P1_E1	12.5	4.66	2.88e3	1.30e4	12.7	1.6	0.222
4	4	161111J2_06_P1_E1	12.5	4.67	2.84e3	1.35e4	12.0	-3.9	0.210
5	5	161111J2_07_P1_E1	12.5	4.67	2.63e3	1.28e4	11.8	-5.6	0.206
6	6	161111J2_08_P1_E1	12.5	4.66	2.68e3	1.42e4	10.8	-14.0	0.188
7	7	161111J2_09_P1_E1	12.5	4.66	2.95e3	1.26e4	13.4	7.0	0.234
8	8	161111J2_10_P1_E1	12.5	4.67	3.07e3	1.30e4	13.5	8.3	0.237
9	9	161111J2_11_P1_E1	12.5	4.66	3.49e3	1.23e4	16.3	30.1	0.284

Compound name: 13C2-PFOA
Response Factor: 0.663371
RRF SD: 0.0669504, Relative SD: 10.0924
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	4.71	8.45e3	1.41e4	11.3	-9.7	0.599
2	2	161111J2_04_P1_E1	12.5	4.71	8.64e3	1.39e4	11.7	-6.4	0.621
3	3	161111J2_05_P1_E1	12.5	4.70	9.24e3	1.30e4	13.4	7.3	0.712
4	4	161111J2_06_P1_E1	12.5	4.71	9.36e3	1.35e4	13.0	4.2	0.691
5	5	161111J2_07_P1_E1	12.5	4.72	9.02e3	1.28e4	13.3	6.6	0.707
6	6	161111J2_08_P1_E1	12.5	4.71	7.47e3	1.42e4	9.88	-21.0	0.524
7	7	161111J2_09_P1_E1	12.5	4.71	8.76e3	1.26e4	13.1	4.6	0.694
8	8	161111J2_10_P1_E1	12.5	4.71	9.14e3	1.30e4	13.3	6.2	0.704
9	9	161111J2_11_P1_E1	12.5	4.71	8.81e3	1.23e4	13.5	8.1	0.717

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Compound name: 13C5-PFNA
Response Factor: 1.01945
RRF SD: 0.110532, Relative SD: 10.8423
Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	5.02	7.26e3	8.03e3	11.1	-11.3	0.904
2	2	161111J2_04_P1_E1	12.5	5.03	8.73e3	7.82e3	13.7	9.5	1.12
3	3	161111J2_05_P1_E1	12.5	5.03	8.84e3	8.19e3	13.2	5.8	1.08
4	4	161111J2_06_P1_E1	12.5	5.05	1.02e4	8.40e3	14.9	19.1	1.21
5	5	161111J2_07_P1_E1	12.5	5.05	9.95e3	1.00e4	12.2	-2.5	0.994
6	6	161111J2_08_P1_E1	12.5	5.03	6.61e3	7.86e3	10.3	-17.5	0.841
7	7	161111J2_09_P1_E1	12.5	5.03	7.56e3	7.38e3	12.6	0.5	1.02
8	8	161111J2_10_P1_E1	12.5	5.03	7.89e3	7.77e3	12.5	-0.4	1.02
9	9	161111J2_11_P1_E1	12.5	5.04	8.74e3	8.86e3	12.1	-3.2	0.987

Compound name: 13C8-PFOS
Response Factor: 0.92134
RRF SD: 0.0963018, Relative SD: 10.4524
Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	5.09	3.18e3	4.04e3	10.7	-14.7	0.786
2	2	161111J2_04_P1_E1	12.5	5.10	3.57e3	3.65e3	13.3	6.3	0.979
3	3	161111J2_05_P1_E1	12.5	5.09	3.92e3	3.72e3	14.3	14.3	1.05
4	4	161111J2_06_P1_E1	12.5	5.11	3.44e3	3.47e3	13.5	7.6	0.991
5	5	161111J2_07_P1_E1	12.5	5.11	3.38e3	3.51e3	13.1	4.6	0.963
6	6	161111J2_08_P1_E1	12.5	5.09	2.92e3	3.88e3	10.2	-18.2	0.753
7	7	161111J2_09_P1_E1	12.5	5.09	2.42e3	2.58e3	12.7	1.9	0.939
8	8	161111J2_10_P1_E1	12.5	5.09	2.48e3	2.72e3	12.4	-1.1	0.912
9	9	161111J2_11_P1_E1	12.5	5.10	2.53e3	2.77e3	12.4	-0.7	0.915

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Compound name: 13C2-PFDA
Response Factor: 0.886754
RRF SD: 0.0917341, Relative SD: 10.3449
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	5.31	4.48e3	5.57e3	11.3	-9.3	0.805
2	2	161111J2_04_P1_E1	12.5	5.32	4.63e3	4.96e3	13.2	5.5	0.935
3	3	161111J2_05_P1_E1	12.5	5.32	5.52e3	5.51e3	14.1	13.0	1.00
4	4	161111J2_06_P1_E1	12.5	5.33	4.38e3	4.37e3	14.1	13.1	1.00
5	5	161111J2_07_P1_E1	12.5	5.32	4.24e3	4.61e3	13.0	3.6	0.919
6	6	161111J2_08_P1_E1	12.5	5.31	3.84e3	5.31e3	10.2	-18.5	0.722
7	7	161111J2_09_P1_E1	12.5	5.32	2.94e3	3.32e3	12.5	-0.3	0.884
8	8	161111J2_10_P1_E1	12.5	5.31	3.02e3	3.63e3	11.7	-6.4	0.830
9	9	161111J2_11_P1_E1	12.5	5.32	3.33e3	3.79e3	12.4	-0.8	0.880

Compound name: 13C2-8:2 FTS
Response Factor: 0.271622
RRF SD: 0.0363065, Relative SD: 13.3666
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	5.29	1.27e3	5.57e3	10.5	-16.3	0.227
2	2	161111J2_04_P1_E1	12.5	5.29	1.36e3	4.96e3	12.6	0.9	0.274
3	3	161111J2_05_P1_E1	12.5	5.30	1.48e3	5.51e3	12.4	-1.1	0.269
4	4	161111J2_06_P1_E1	12.5	5.31	1.23e3	4.37e3	13.0	3.6	0.281
5	5	161111J2_07_P1_E1	12.5	5.31	1.27e3	4.61e3	12.7	1.5	0.276
6	6	161111J2_08_P1_E1	12.5	5.29	1.08e3	5.31e3	9.39	-24.9	0.204
7	7	161111J2_09_P1_E1	12.5	5.29	1.08e3	3.32e3	15.0	19.7	0.325
8	8	161111J2_10_P1_E1	12.5	5.29	1.08e3	3.63e3	13.7	9.2	0.297
9	9	161111J2_11_P1_E1	12.5	5.30	1.10e3	3.79e3	13.4	7.3	0.291

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Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	2.03	1.29e4	1.29e4	12.5	0.0	1.00
2	2	161111J2_04_P1_E1	12.5	2.04	1.17e4	1.17e4	12.5	0.0	1.00
3	3	161111J2_05_P1_E1	12.5	2.03	1.19e4	1.19e4	12.5	0.0	1.00
4	4	161111J2_06_P1_E1	12.5	2.03	1.11e4	1.11e4	12.5	0.0	1.00
5	5	161111J2_07_P1_E1	12.5	2.03	1.11e4	1.11e4	12.5	0.0	1.00
6	6	161111J2_08_P1_E1	12.5	2.04	1.24e4	1.24e4	12.5	0.0	1.00
7	7	161111J2_09_P1_E1	12.5	2.04	1.17e4	1.17e4	12.5	0.0	1.00
8	8	161111J2_10_P1_E1	12.5	2.04	1.18e4	1.18e4	12.5	0.0	1.00
9	9	161111J2_11_P1_E1	12.5	2.04	1.17e4	1.17e4	12.5	0.0	1.00

Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	3.83	1.41e4	1.41e4	12.5	0.0	1.00
2	2	161111J2_04_P1_E1	12.5	3.84	1.31e4	1.31e4	12.5	0.0	1.00
3	3	161111J2_05_P1_E1	12.5	3.83	1.35e4	1.35e4	12.5	0.0	1.00
4	4	161111J2_06_P1_E1	12.5	3.84	1.23e4	1.23e4	12.5	0.0	1.00
5	5	161111J2_07_P1_E1	12.5	3.84	1.22e4	1.22e4	12.5	0.0	1.00
6	6	161111J2_08_P1_E1	12.5	3.84	1.38e4	1.38e4	12.5	0.0	1.00
7	7	161111J2_09_P1_E1	12.5	3.83	1.25e4	1.25e4	12.5	0.0	1.00
8	8	161111J2_10_P1_E1	12.5	3.84	1.27e4	1.27e4	12.5	0.0	1.00
9	9	161111J2_11_P1_E1	12.5	3.85	1.26e4	1.26e4	12.5	0.0	1.00

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Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	4.43	5.84e3	5.84e3	12.5	0.0	1.00
2	2	161111J2_04_P1_E1	12.5	4.43	5.10e3	5.10e3	12.5	0.0	1.00
3	3	161111J2_05_P1_E1	12.5	4.43	5.19e3	5.19e3	12.5	0.0	1.00
4	4	161111J2_06_P1_E1	12.5	4.44	4.72e3	4.72e3	12.5	0.0	1.00
5	5	161111J2_07_P1_E1	12.5	4.44	4.92e3	4.92e3	12.5	0.0	1.00
6	6	161111J2_08_P1_E1	12.5	4.43	5.55e3	5.55e3	12.5	0.0	1.00
7	7	161111J2_09_P1_E1	12.5	4.43	4.80e3	4.80e3	12.5	0.0	1.00
8	8	161111J2_10_P1_E1	12.5	4.44	4.97e3	4.97e3	12.5	0.0	1.00
9	9	161111J2_11_P1_E1	12.5	4.43	4.61e3	4.61e3	12.5	0.0	1.00

Compound name: 13C8-PFOA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	4.70	1.41e4	1.41e4	12.5	0.0	1.00
2	2	161111J2_04_P1_E1	12.5	4.71	1.39e4	1.39e4	12.5	0.0	1.00
3	3	161111J2_05_P1_E1	12.5	4.70	1.30e4	1.30e4	12.5	0.0	1.00
4	4	161111J2_06_P1_E1	12.5	4.71	1.35e4	1.35e4	12.5	0.0	1.00
5	5	161111J2_07_P1_E1	12.5	4.72	1.28e4	1.28e4	12.5	0.0	1.00
6	6	161111J2_08_P1_E1	12.5	4.71	1.42e4	1.42e4	12.5	0.0	1.00
7	7	161111J2_09_P1_E1	12.5	4.71	1.26e4	1.26e4	12.5	0.0	1.00
8	8	161111J2_10_P1_E1	12.5	4.71	1.30e4	1.30e4	12.5	0.0	1.00
9	9	161111J2_11_P1_E1	12.5	4.71	1.23e4	1.23e4	12.5	0.0	1.00

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Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	5.09	4.04e3	4.04e3	12.5	-0.0	1.00
2	2	161111J2_04_P1_E1	12.5	5.09	3.65e3	3.65e3	12.5	0.0	1.00
3	3	161111J2_05_P1_E1	12.5	5.09	3.72e3	3.72e3	12.5	0.0	1.00
4	4	161111J2_06_P1_E1	12.5	5.10	3.47e3	3.47e3	12.5	0.0	1.00
5	5	161111J2_07_P1_E1	12.5	5.11	3.51e3	3.51e3	12.5	0.0	1.00
6	6	161111J2_08_P1_E1	12.5	5.08	3.88e3	3.88e3	12.5	0.0	1.00
7	7	161111J2_09_P1_E1	12.5	5.09	2.58e3	2.58e3	12.5	0.0	1.00
8	8	161111J2_10_P1_E1	12.5	5.09	2.72e3	2.72e3	12.5	0.0	1.00
9	9	161111J2_11_P1_E1	12.5	5.10	2.77e3	2.77e3	12.5	0.0	1.00

Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	5.02	8.03e3	8.03e3	12.5	0.0	1.00
2	2	161111J2_04_P1_E1	12.5	5.03	7.82e3	7.82e3	12.5	0.0	1.00
3	3	161111J2_05_P1_E1	12.5	5.03	8.19e3	8.19e3	12.5	0.0	1.00
4	4	161111J2_06_P1_E1	12.5	5.04	8.40e3	8.40e3	12.5	0.0	1.00
5	5	161111J2_07_P1_E1	12.5	5.05	1.00e4	1.00e4	12.5	0.0	1.00
6	6	161111J2_08_P1_E1	12.5	5.03	7.86e3	7.86e3	12.5	0.0	1.00
7	7	161111J2_09_P1_E1	12.5	5.03	7.38e3	7.38e3	12.5	0.0	1.00
8	8	161111J2_10_P1_E1	12.5	5.03	7.77e3	7.77e3	12.5	0.0	1.00
9	9	161111J2_11_P1_E1	12.5	5.05	8.86e3	8.86e3	12.5	0.0	1.00

Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

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Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	12.5	5.30	5.57e3	5.57e3	12.5	0.0	1.00
2	2	161111J2_04_P1_E1	12.5	5.31	4.96e3	4.96e3	12.5	0.0	1.00
3	3	161111J2_05_P1_E1	12.5	5.32	5.51e3	5.51e3	12.5	0.0	1.00
4	4	161111J2_06_P1_E1	12.5	5.33	4.37e3	4.37e3	12.5	0.0	1.00
5	5	161111J2_07_P1_E1	12.5	5.32	4.61e3	4.61e3	12.5	0.0	1.00
6	6	161111J2_08_P1_E1	12.5	5.31	5.31e3	5.31e3	12.5	0.0	1.00
7	7	161111J2_09_P1_E1	12.5	5.31	3.32e3	3.32e3	12.5	0.0	1.00
8	8	161111J2_10_P1_E1	12.5	5.31	3.63e3	3.63e3	12.5	-0.0	1.00
9	9	161111J2_11_P1_E1	12.5	5.32	3.79e3	3.79e3	12.5	0.0	1.00

Compound name: Total PFBS
Coefficient of Determination: R^2 = 0.977505
Calibration curve: 0.00122129 * x^2 + 0.743308 * x + 0.145497
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x^2, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500			6.77e3	0.529		
2	2	161111J2_04_P1_E1	1.00			6.92e3	0.988		
3	3	161111J2_05_P1_E1	2.00			7.66e3	1.66		
4	4	161111J2_06_P1_E1	5.00			7.70e3	3.90		
5	5	161111J2_07_P1_E1	10.0			7.23e3	11.6		
6	6	161111J2_08_P1_E1	25.0			5.91e3	29.6		
7	7	161111J2_09_P1_E1	50.0			6.45e3	53.1		
8	8	161111J2_10_P1_E1	75.0			6.63e3	75.3		
9	9	161111J2_11_P1_E1	100			6.50e3	93.1		

Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
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Compound name: Total PFHxS
Coefficient of Determination: R^2 = 0.998167
Calibration curve: 0.00081896 * x^2 + 3.22284 * x + 0.0419742
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500			1.34e3	0.648		
2	2	161111J2_04_P1_E1	1.00			1.41e3	1.02		
3	3	161111J2_05_P1_E1	2.00			1.59e3	1.65		
4	4	161111J2_06_P1_E1	5.00			1.48e3	3.91		
5	5	161111J2_07_P1_E1	10.0			1.46e3	10.2		
6	6	161111J2_08_P1_E1	25.0			1.22e3	26.6		
7	7	161111J2_09_P1_E1	50.0			1.41e3	50.3		
8	8	161111J2_10_P1_E1	75.0			1.37e3	73.8		
9	9	161111J2_11_P1_E1	100			1.25e3	100		

Compound name: Total PFOA
Coefficient of Determination: R^2 = 0.996931
Calibration curve: -0.0025112 * x^2 + 1.31194 * x + 0.0471482
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500			8.45e3	0.627		
2	2	161111J2_04_P1_E1	1.00			8.64e3	1.19		
3	3	161111J2_05_P1_E1	2.00			9.24e3	1.66		
4	4	161111J2_06_P1_E1	5.00			9.36e3	3.84		
5	5	161111J2_07_P1_E1	10.0			9.02e3	10.7		
6	6	161111J2_08_P1_E1	25.0			7.47e3	27.0		
7	7	161111J2_09_P1_E1	50.0			8.76e3	49.2		
8	8	161111J2_10_P1_E1	75.0			9.14e3	72.8		
9	9	161111J2_11_P1_E1	100			8.81e3	102		

Vista Analytical Laboratory Q2

Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:53:42 Pacific Standard Time

Compound name: Total PFOS
Correlation coefficient: r = 0.985935, r^2 = 0.972067
Calibration curve: 1.25111 * x + 0.123067
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x^2, Axis trans: None

	#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	%Dev	RRF
1	1	161111J2_03_P1_E1	0.500			3.18e3	0.553		
2	2	161111J2_04_P1_E1	1.00			3.57e3	0.927		
3	3	161111J2_05_P1_E1	2.00			3.92e3	1.56		
4	4	161111J2_06_P1_E1	5.00			3.44e3	3.77		
5	5	161111J2_07_P1_E1	10.0			3.38e3	11.2		
6	6	161111J2_08_P1_E1	25.0			2.92e3	28.7		
7	7	161111J2_09_P1_E1	50.0			2.42e3	50.0		
8	8	161111J2_10_P1_E1	75.0			2.48e3	81.9		
9	9	161111J2_11_P1_E1	100			2.53e3	108		

Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
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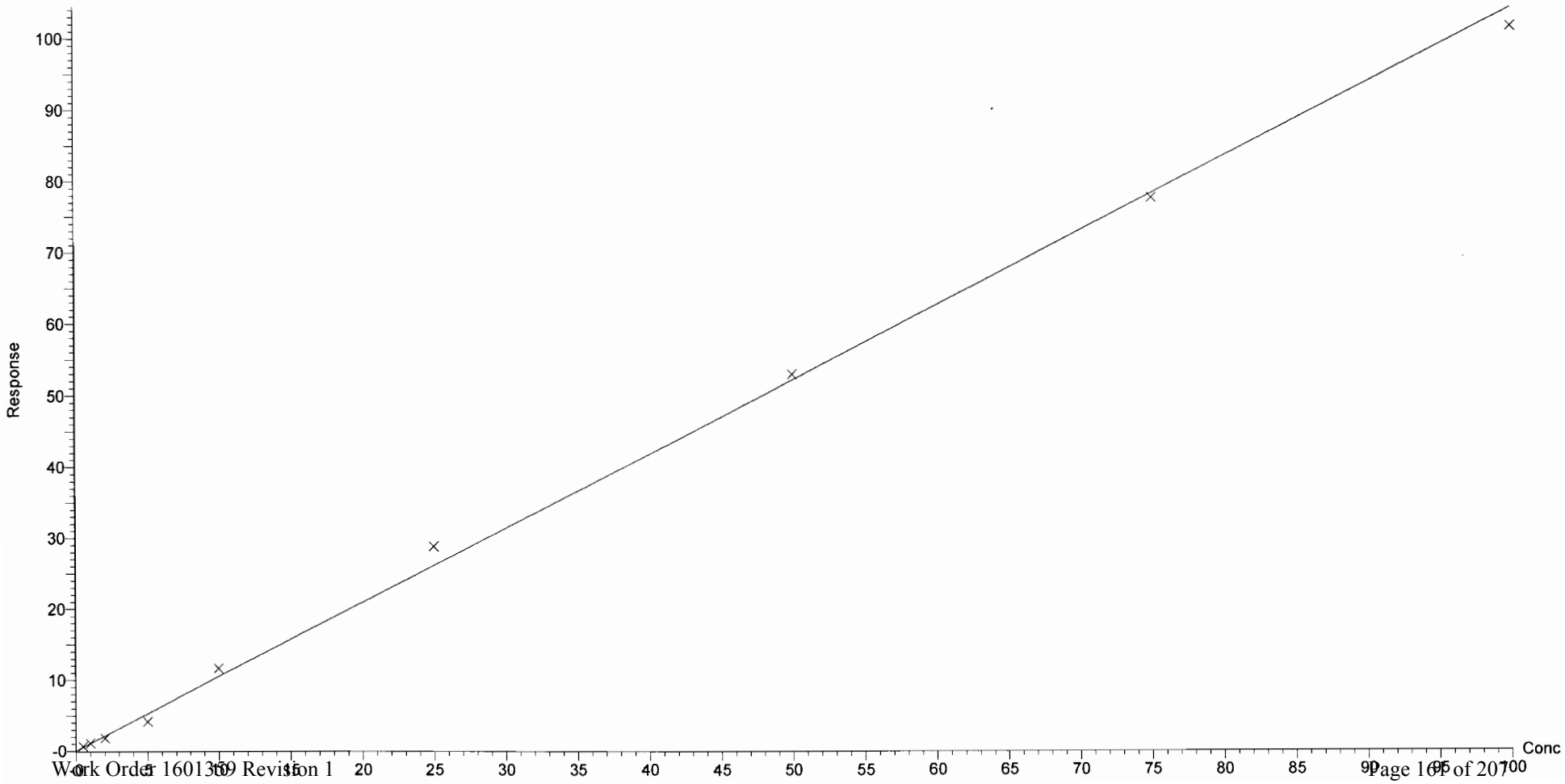
Method: U:\Q2.PRO\MethDB\PFC List 18_A No4-2FTS_Mixed.mdb 12 Nov 2016 10:51:05
Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

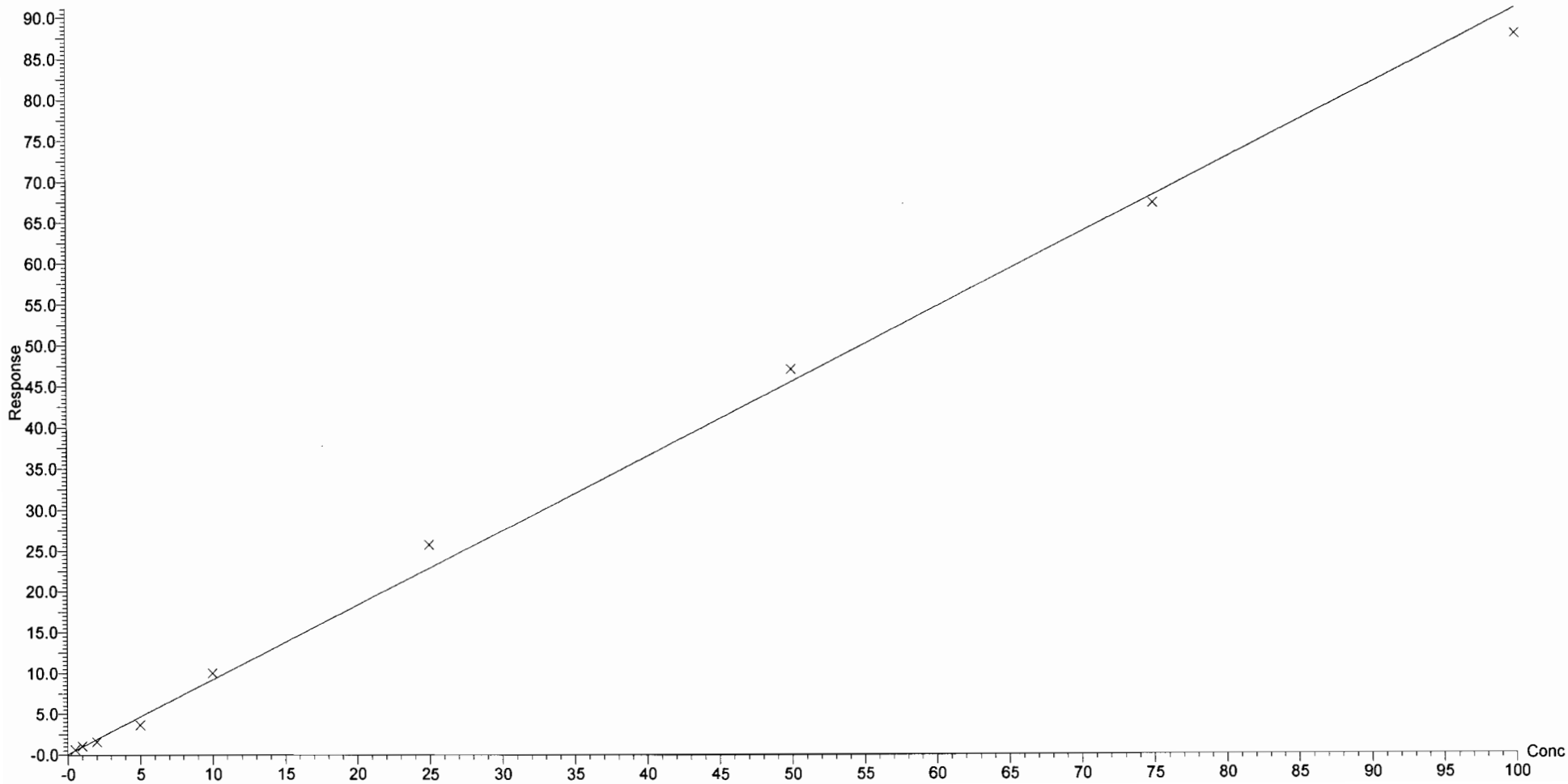
Compound name: PFBA
Correlation coefficient: r = 0.998498, r^2 = 0.996999
Calibration curve: 1.04509 * x + 0.0382703
Response type: Internal Std (Ref 13), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

Compound name: PFPeA
Correlation coefficient: r = 0.998036, r^2 = 0.996076
Calibration curve: 0.910461 * x + 0.0566694
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

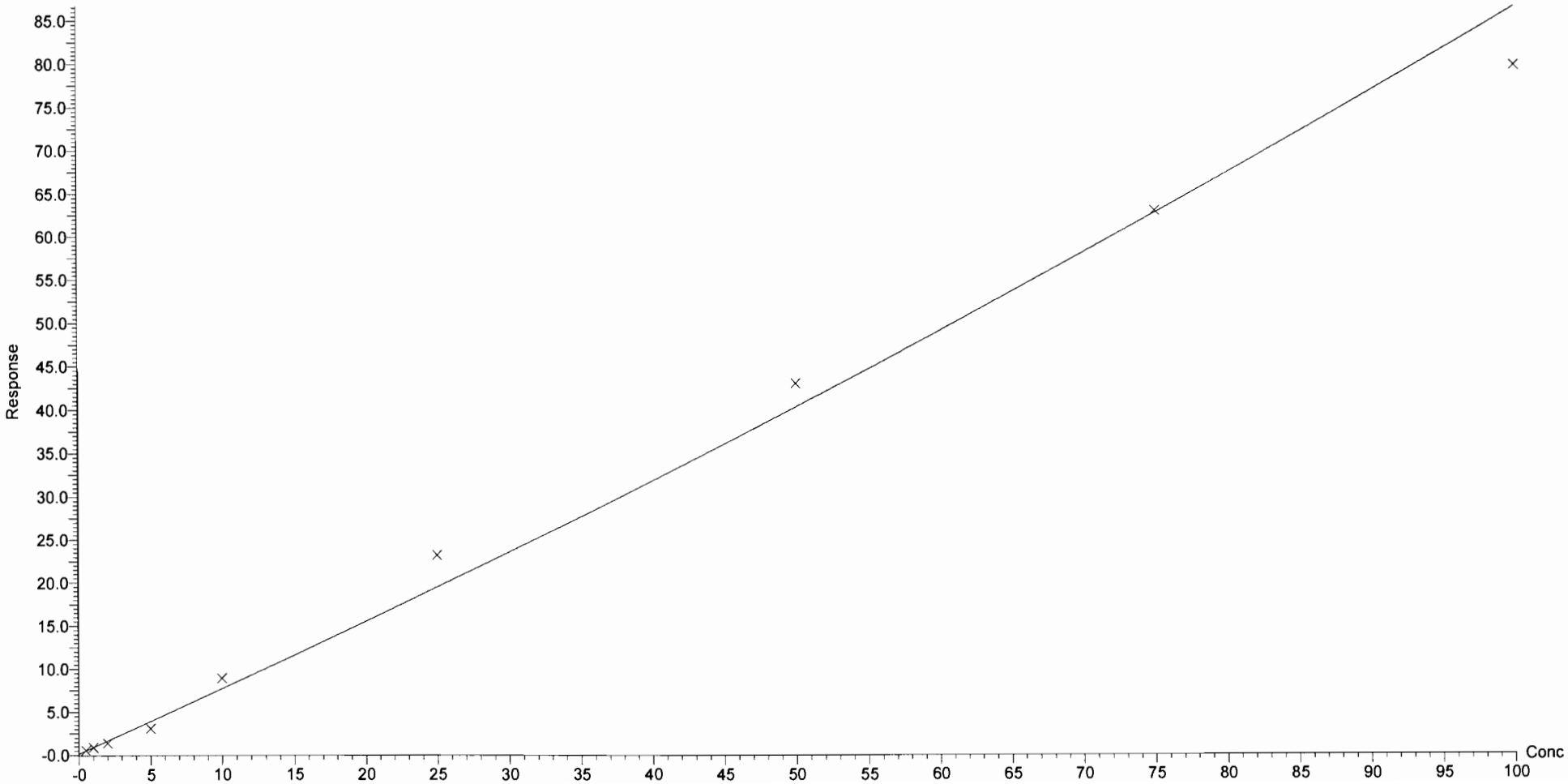


Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

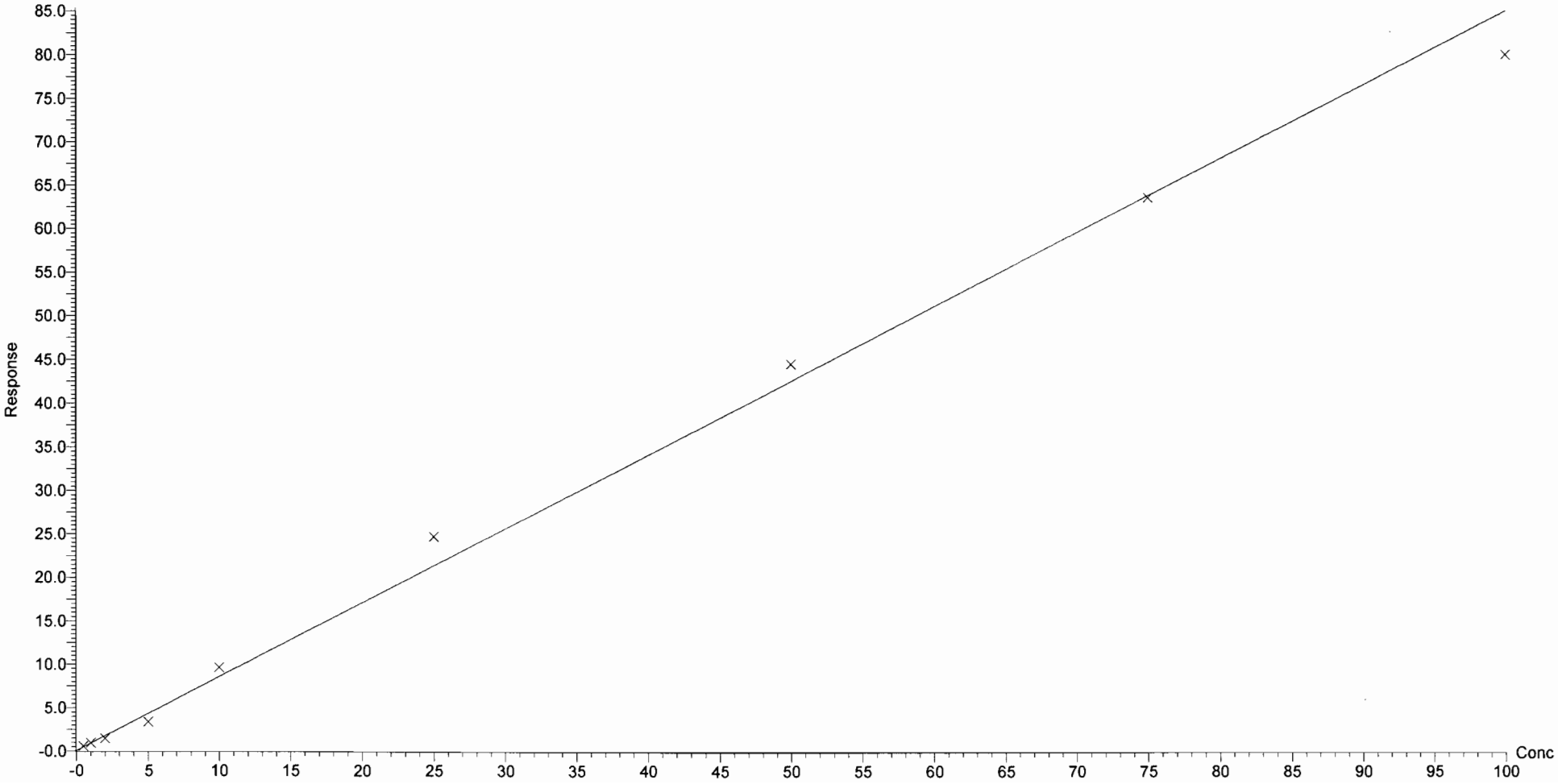
Compound name: PFBS
Coefficient of Determination: R^2 = 0.977505
Calibration curve: 0.00122129 * x^2 + 0.743308 * x + 0.145497
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x^2, Axis trans: None



Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

Compound name: PFHxA
Correlation coefficient: r = 0.996921, r^2 = 0.993852
Calibration curve: 0.852369 * x + 0.067677
Response type: Internal Std (Ref 16), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
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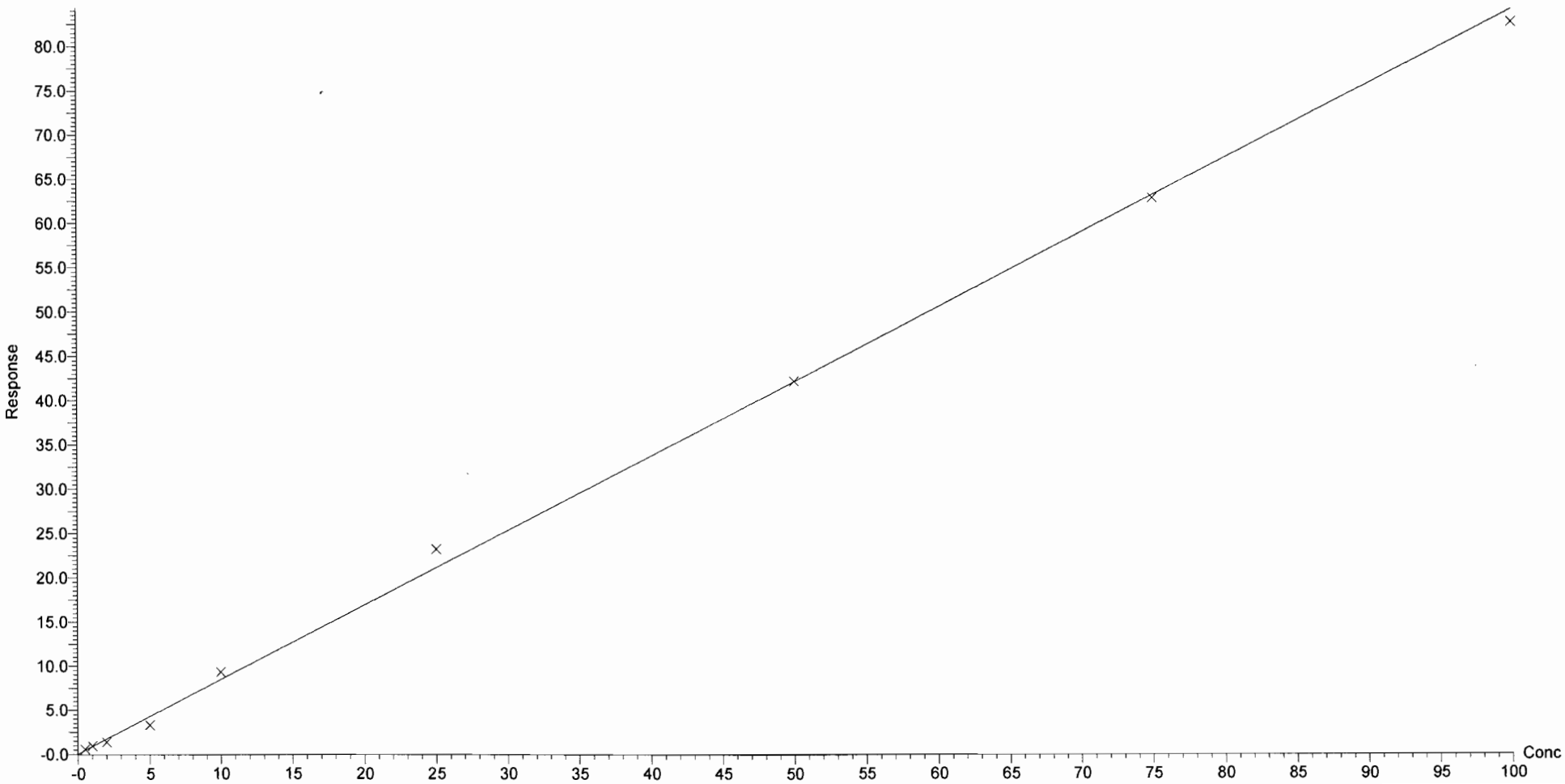
Compound name: PFHpA
Correlation coefficient: r = 0.998500, r^2 = 0.997002
Calibration curve: 0.842904 * x + 0.0395603
Response type: Internal Std (Ref 17), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

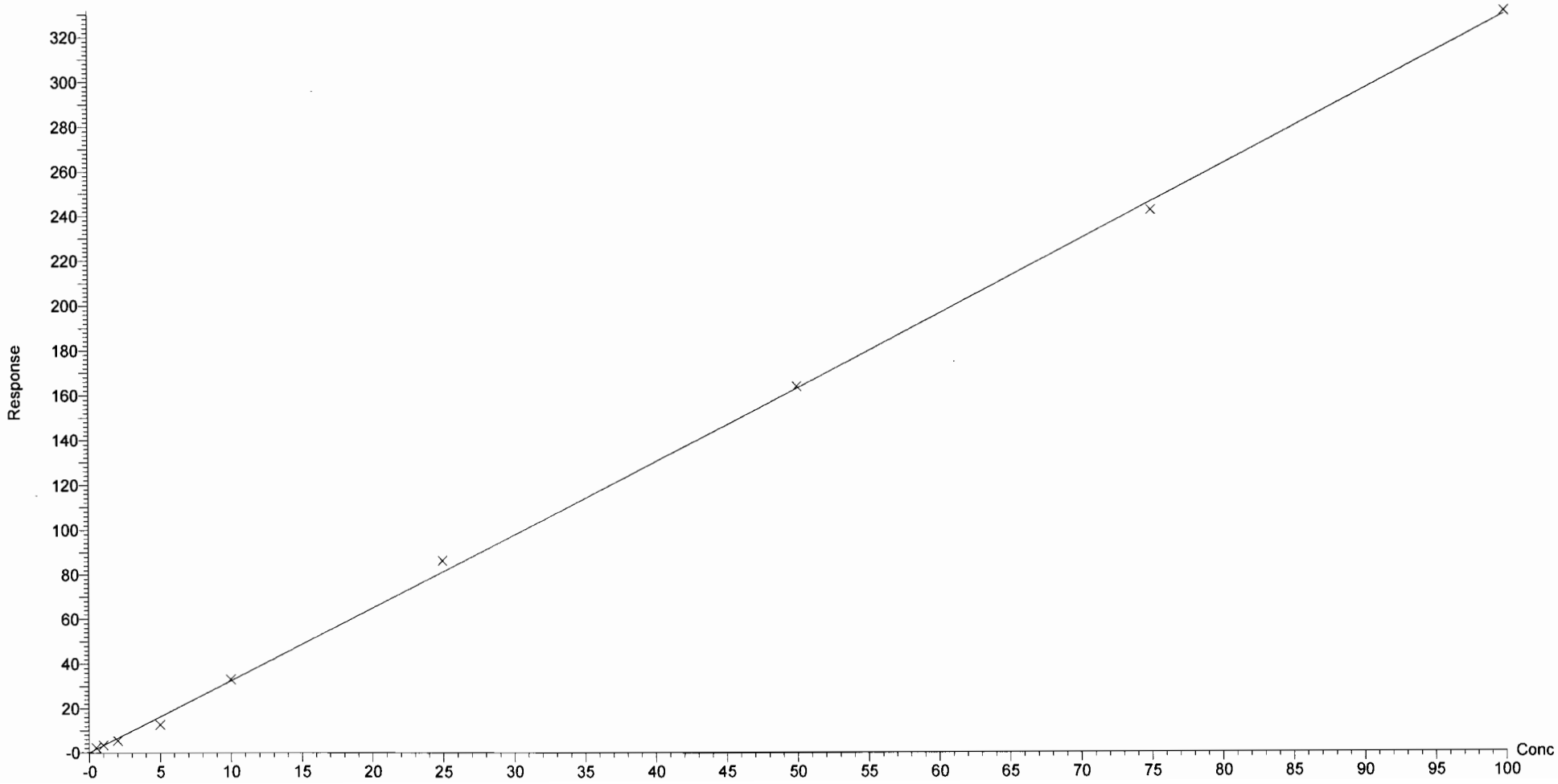


Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

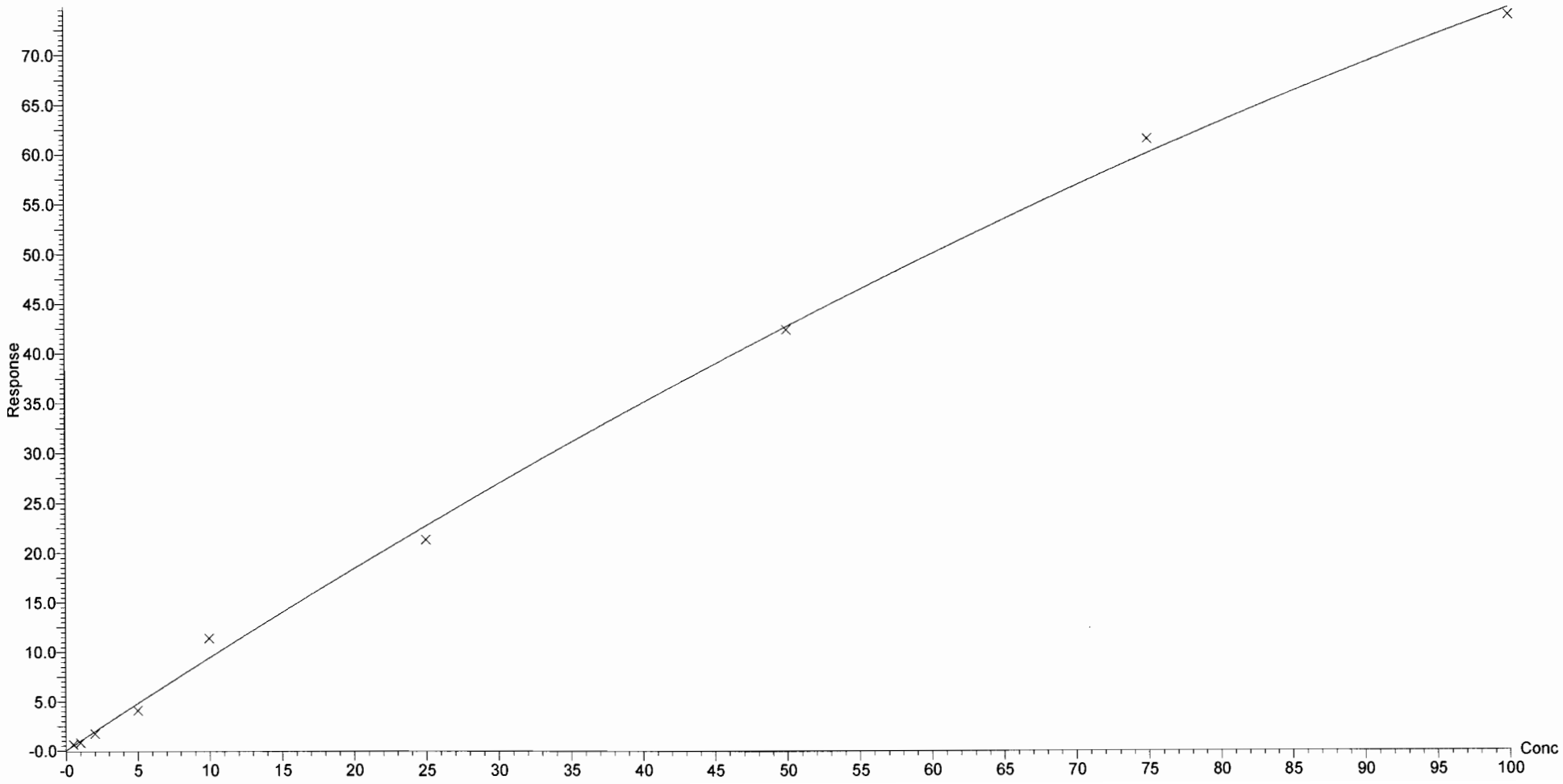
Compound name: PFHxS
Coefficient of Determination: R^2 = 0.998167
Calibration curve: 0.00081896 * x^2 + 3.22284 * x + 0.0419742
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

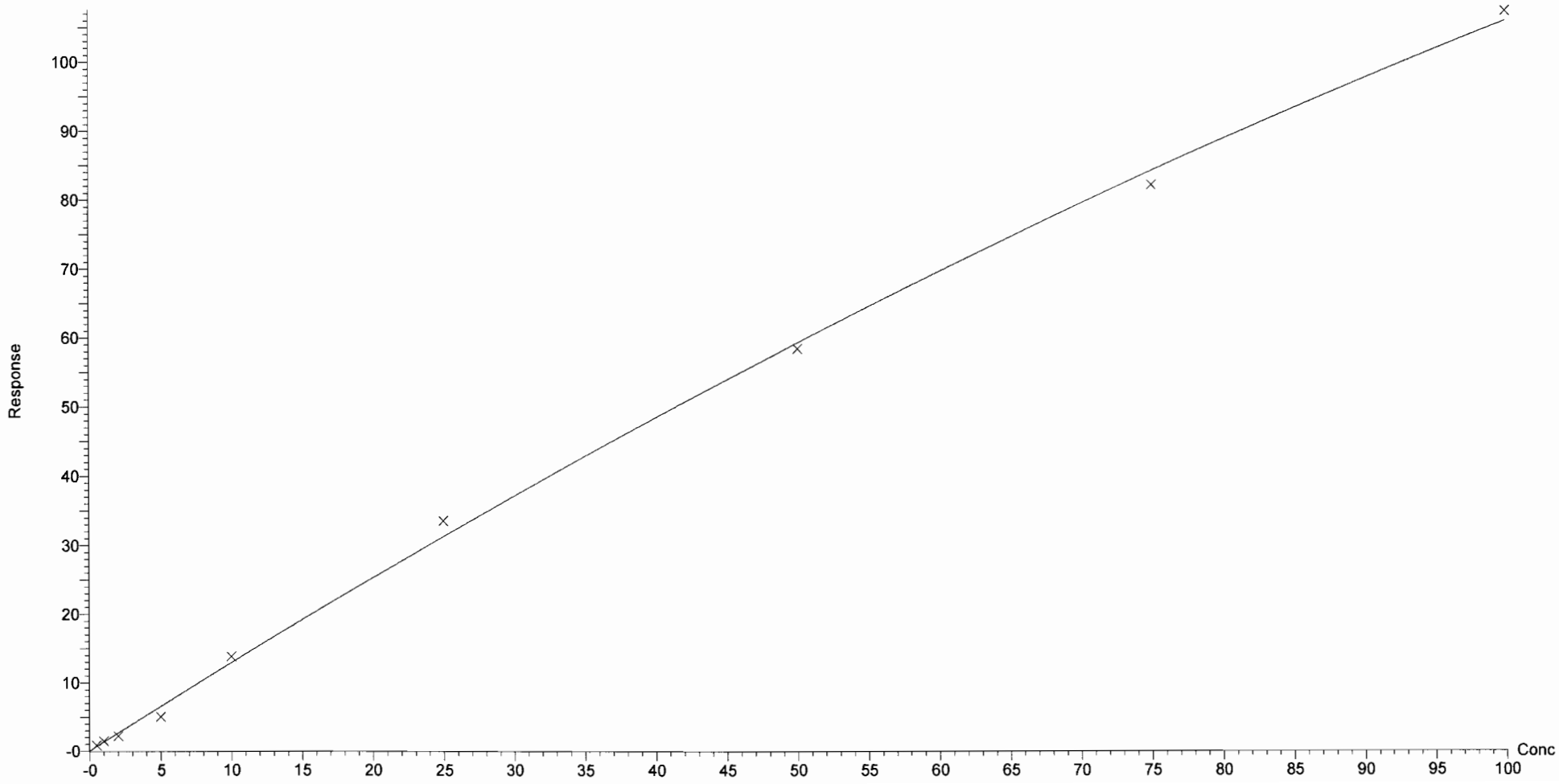
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.995743
Calibration curve: -0.00213642 * x^2 + 0.961467 * x + 0.0440674
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

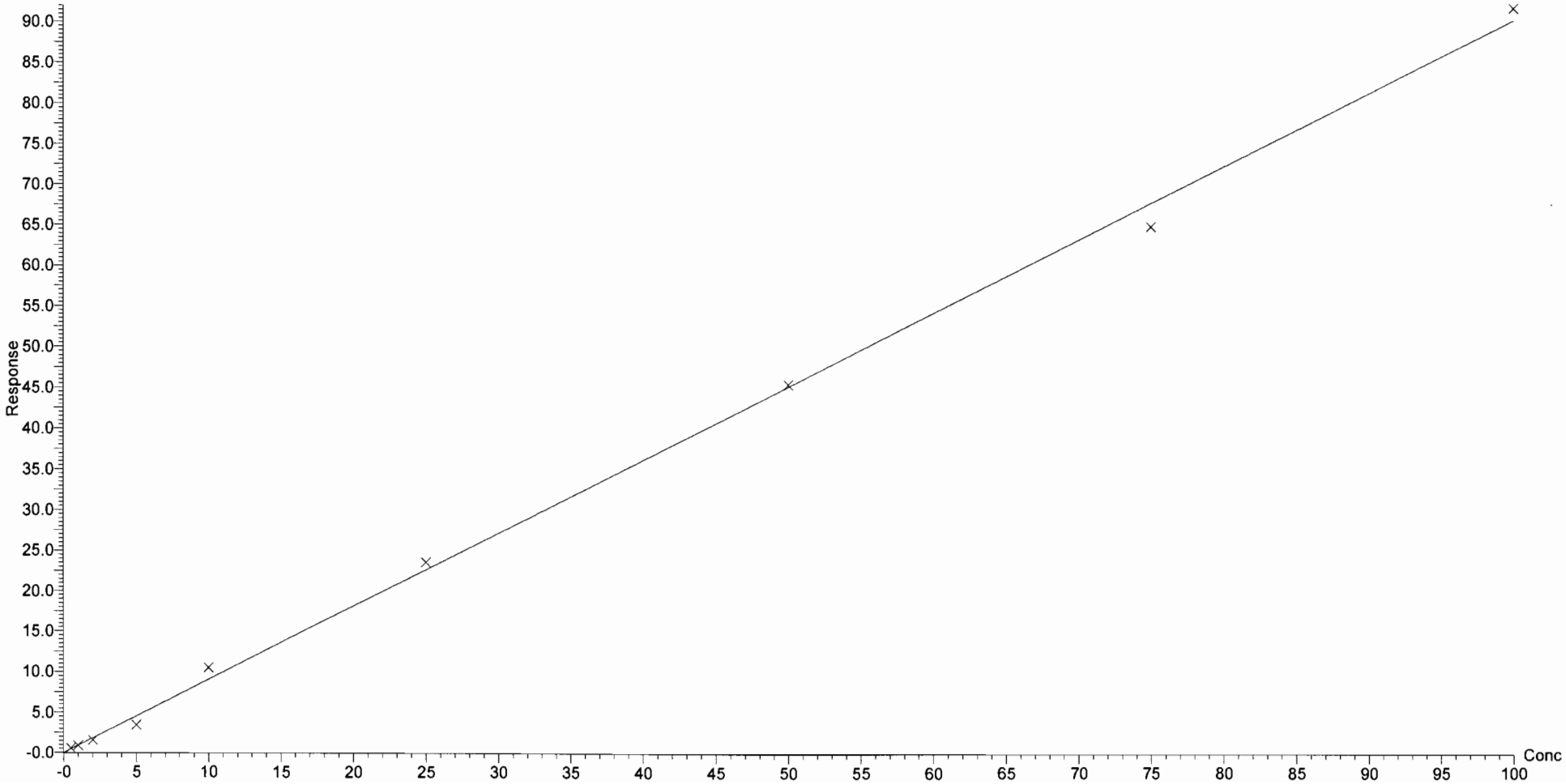
Compound name: PFOA
Coefficient of Determination: R^2 = 0.996931
Calibration curve: -0.0025112 * x^2 + 1.31194 * x + 0.0471482
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

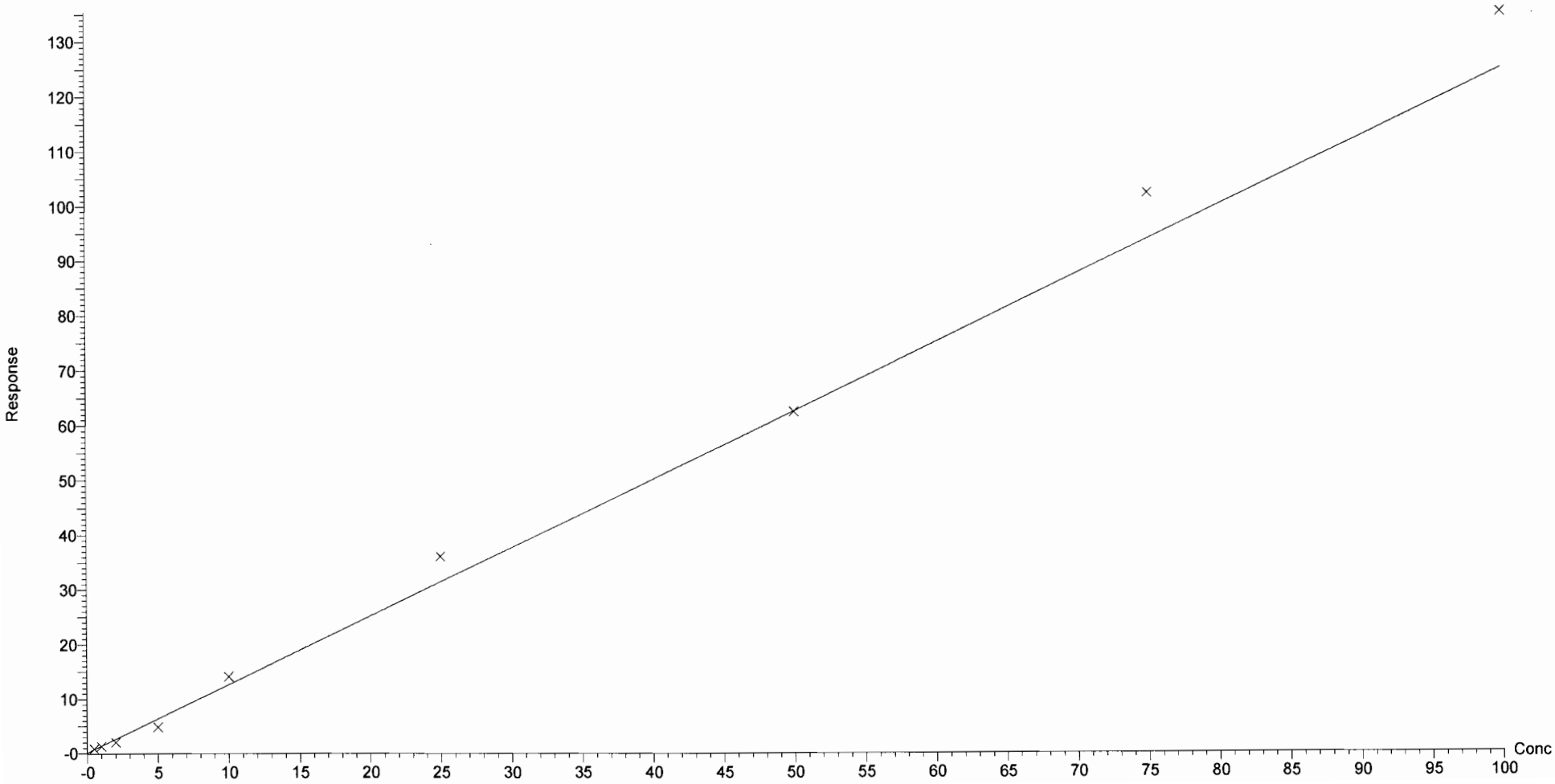
Compound name: PFNA
Correlation coefficient: r = 0.998382, r^2 = 0.996768
Calibration curve: 0.905077 * x + 0.00552082
Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

Compound name: PFOS
Correlation coefficient: r = 0.985935, r^2 = 0.972067
Calibration curve: 1.25111 * x + 0.123067
Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x^2, Axis trans: None



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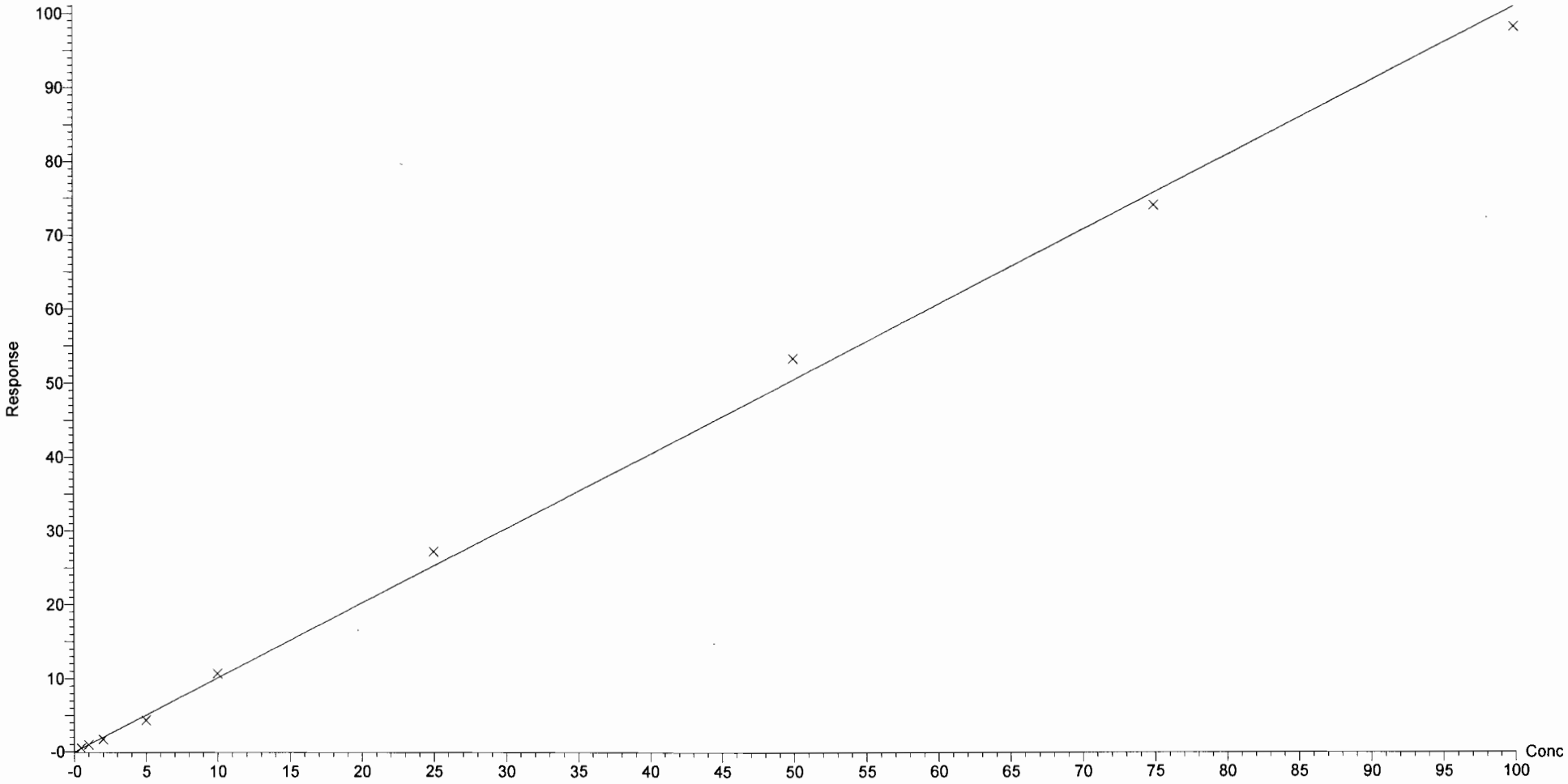
Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

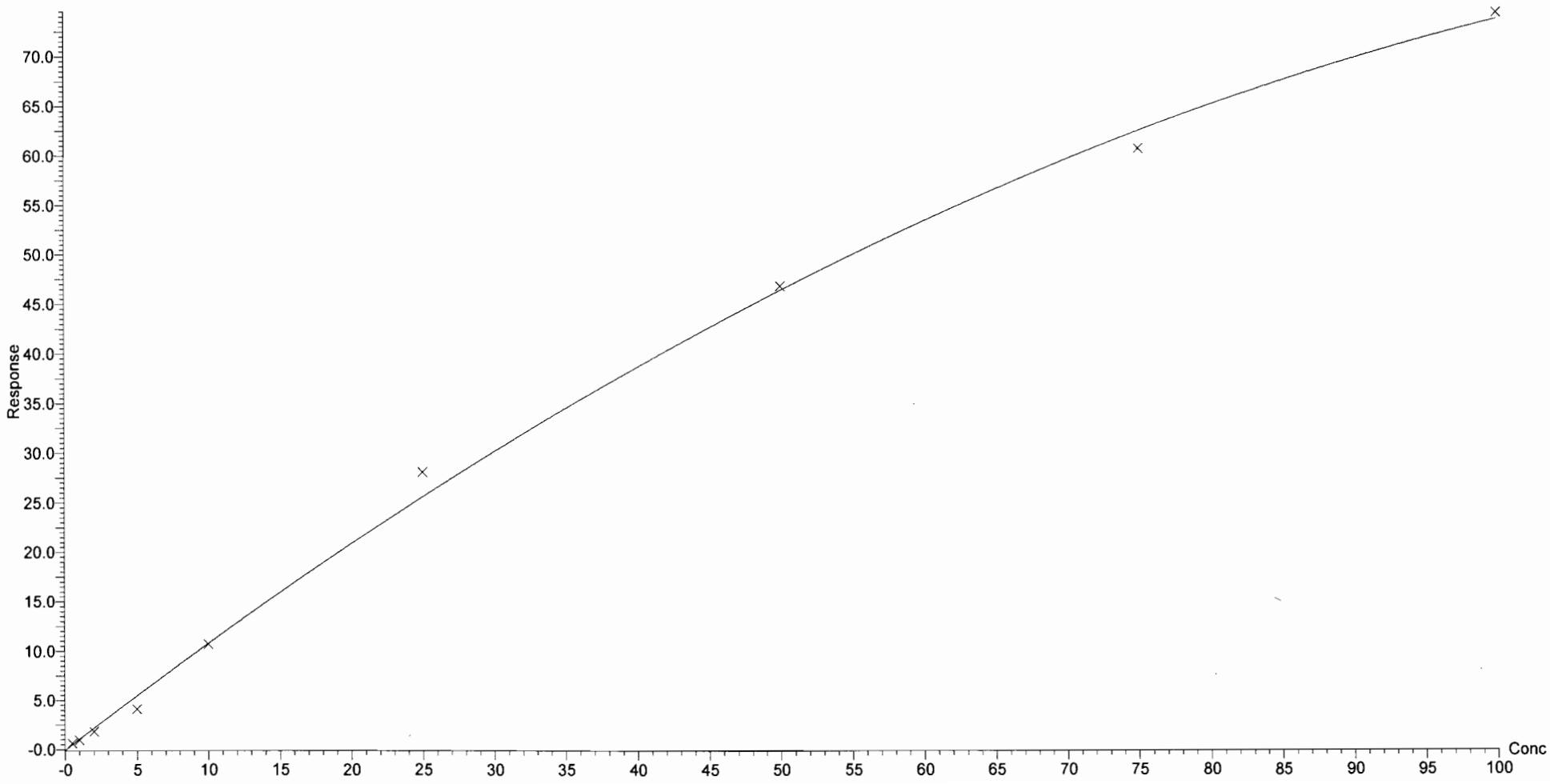
Compound name: PFDA
Correlation coefficient: r = 0.998849, r^2 = 0.997699
Calibration curve: 1.01138 * x + -0.0247569
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:54:20 Pacific Standard Time

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.995769
Calibration curve: -0.00383329 * x^2 + 1.1235 * x + -0.0810222
Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Printing Time: 10:38:19
Printing Date: Saturday, November 12, 2016

	Sample Name	Acquisition Date	Sample ID	Sample Comment
1	161111J2_01	11/11/2016 16:27:18	IPA	IPA
2	161111J2_02	11/11/2016 16:39:32	ST161111J2-1 PFC CS(-2)16K1114	PFC CS(-2)16K1114 A
3	161111J2_03	11/11/2016 16:51:46	ST161111J2-2 PFC CS(-1) 16K1115	PFC CS(-1) 16K1115 A
4	161111J2_04	11/11/2016 17:04:00	ST161111J2-3 PFC CS0 16K1116	PFC CS0 16K1116 A
5	161111J2_05	11/11/2016 17:16:11	ST161111J2-4 PFC CS1 16K1117	PFC CS1 16K1117 A
6	161111J2_06	11/11/2016 17:28:26	ST161111J2-5 PFC CS2 16K1118	PFC CS2 16K1118 A
7	161111J2_07	11/11/2016 17:40:40	ST161111J2-6 PFC CS3 16K1119	PFC CS3 16K1119 A
8	161111J2_08	11/11/2016 17:52:55	ST161111J2-7 PFC C3.5 16K1120	PFC C3.5 16K1120 A
9	161111J2_09	11/11/2016 18:05:09	ST161111J2-8 PFC CS4 16K1121	PFC CS4 16K1121 A
10	161111J2_10	11/11/2016 18:17:21	ST161111J2-9 PFC CS4.5 16K1122	PFC CS4.5 16K1122 A
11	161111J2_11	11/11/2016 18:29:38	ST161111J2-10 PFC CS5 16K1123	PFC CS5 16K1123 A
12	161111J2_12	11/11/2016 18:41:52	IPA	IPA
13	161111J2_13	11/11/2016 18:54:07	SS161111J2-1 PFC SSS 16J1810	PFC SSS 16J1810 A
14	161111J2_14	11/11/2016 19:06:23	IPA	IPA
15	161111J2_15	11/11/2016 19:18:38	B6K0030-BS1	OPR
16	161111J2_16	11/11/2016 19:30:51	B6K0033-BS1	OPR
17	161111J2_17	11/11/2016 19:43:07	IPA	IPA
18	161111J2_18	11/11/2016 19:55:22	B6K0033-BLK1	Method Blank
19	161111J2_19	11/11/2016 20:07:37	B6K0030-BLK1	Method Blank
20	161111J2_20	11/11/2016 20:19:48	1601384-01	WURTS_EB001JH-102416
21	161111J2_21	11/11/2016 20:32:00	1601384-02	WURTS_VAS01014-27-30
22	161111J2_22	11/11/2016 20:44:16	1601384-03	WURTS_VAS01014-37-40
23	161111J2_23	11/11/2016 20:56:27	1601384-04	WURTS_VAS01014-47-50
24	161111J2_24	11/11/2016 21:08:40	1601384-05	WURTS_VAS13004-20-23
25	161111J2_25	11/11/2016 21:20:55	1601384-06	WURTS_VAS13004-30-33
26	161111J2_26	11/11/2016 21:33:11	1601384-07	WURTS_VAS13004-40-43
27	161111J2_27	11/11/2016 21:45:25	1601384-08	WURTS_VAS13004-50-53
28	161111J2_28	11/11/2016 21:57:40	1601384-09	WURTS_VAS13005-26-29
29	161111J2_29	11/11/2016 22:09:56	1601384-10	WURTS_VAS13005-36-39
30	161111J2_30	11/11/2016 22:22:11	IPA	IPA
31	161111J2_31	11/11/2016 22:34:26	ST161111J2-11 PFC C3.5 16K1120	PFC C3.5 16K0713 A
32	161111J2_32	11/11/2016 22:46:37	IPA	IPA
33	161111J2_33	11/11/2016 22:58:52	1601384-11	WURTS_VAS13005-46-49
34	161111J2_34	11/11/2016 23:11:09	1601384-12	WURTS_VAS13005-56-59
35	161111J2_35	11/11/2016 23:23:24	1601386-01	WURTS_EB002JH-102516
36	161111J2_36	11/11/2016 23:35:37	1601386-02	WURTS_EB003JH-102616
37	161111J2_37	11/11/2016 23:47:49	1601386-03	WURTS_VAS01012-18-21
38	161111J2_38	11/12/2016 00:00:10	1601386-04	WURTS_VAS01012-18-21_FD
39	161111J2_39	11/12/2016 00:12:24	1601386-05	WURTS_VAS01012-28-31
40	161111J2_40	11/12/2016 00:24:39	1601386-06	WURTS_VAS01012-38-41
41	161111J2_41	11/12/2016 00:36:54	1601386-07	WURTS_VAS01012-48-51
42	161111J2_42	11/12/2016 00:49:08	1601386-08	WURTS_VAS01013-20-23
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45	161111J2_45	11/12/2016 01:25:47	IPA	IPA
46	161111J2_46	11/12/2016 01:38:02	1601386-09	WURTS_VAS01013-30-33
47	161111J2_47	11/12/2016 01:50:17	1601386-10	WURTS_VAS01013-40-43
48	161111J2_48	11/12/2016 02:02:33	1601386-11	WURTS_VAS01013-50-53
49	161111J2_49	11/12/2016 02:14:49	1601386-12	WURTS_VAS01014-57-60
50	161111J2_50	11/12/2016 02:27:05	1601386-13	WURTS_EB005JH-102816
51	161111J2_51	11/12/2016 02:39:20	1601386-14	WURTS_VAS15010-40-43
52	161111J2_52	11/12/2016 02:51:36	1601386-15	WURTS_VAS15010-50-53
53	161111J2_53	11/12/2016 03:03:48	1601359-10	FB-M08-07_161025
54	161111J2_54	11/12/2016 03:16:02	B6K0033-MS1	Matrix Spike
55	161111J2_55	11/12/2016 03:28:18	B6K0033-MSD1	Matrix Spike Dup
56	161111J2_56	11/12/2016 03:40:31	IPA	IPA
57	161111J2_57	11/12/2016 03:52:46	ST161111J2-13 PFC C3.5 16K1120	PFC C3.5 16K0713 A
58	161111J2_58	11/12/2016 04:05:00	IPA	IPA

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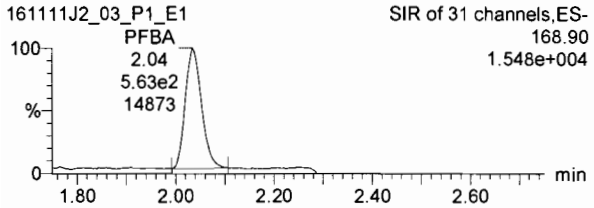

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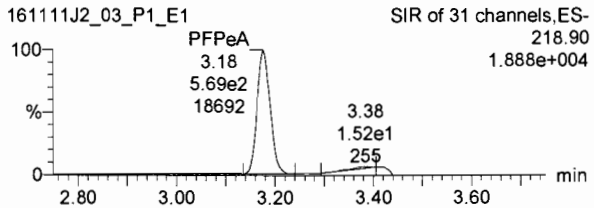

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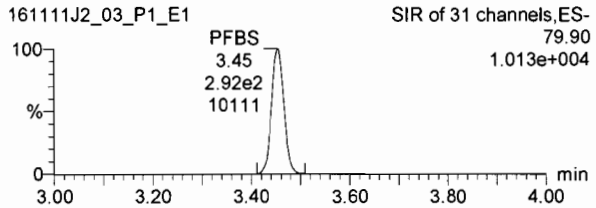

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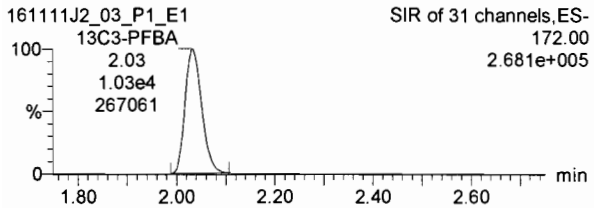

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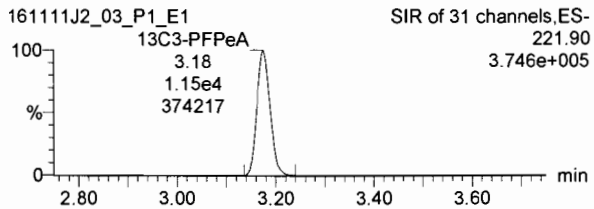

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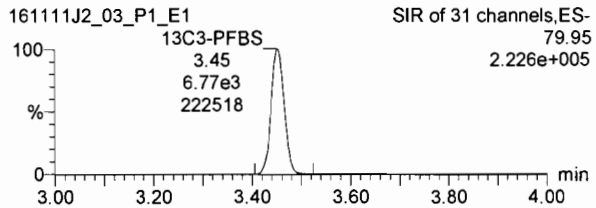

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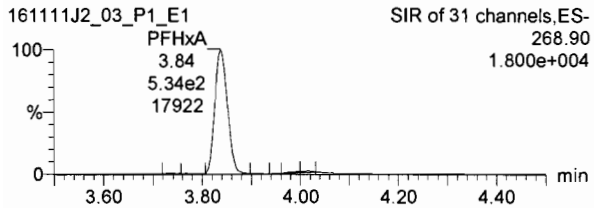

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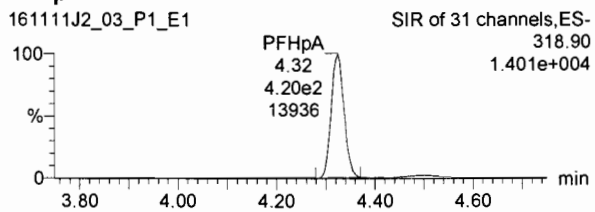

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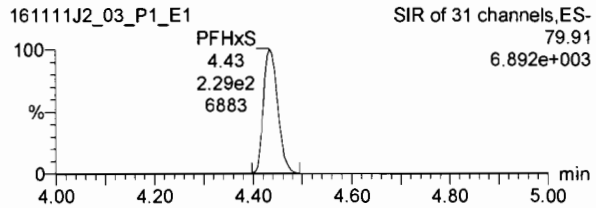

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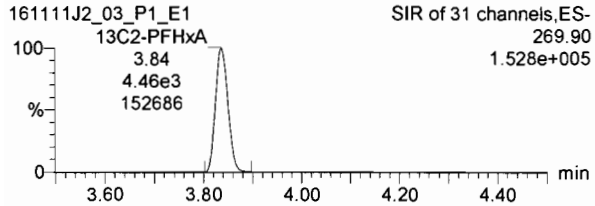

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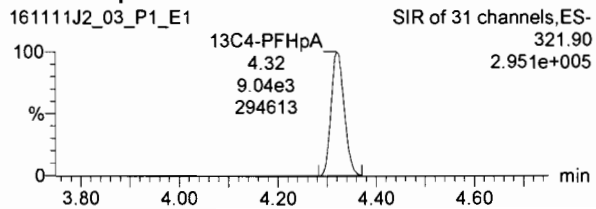

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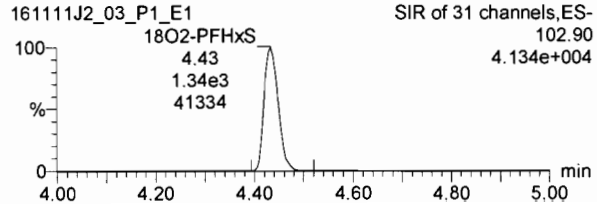

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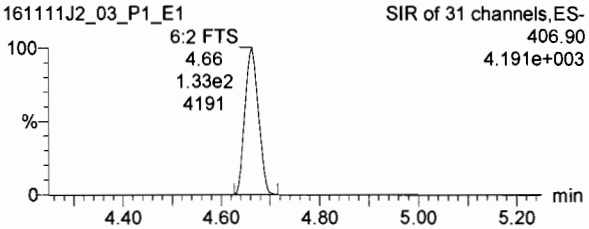
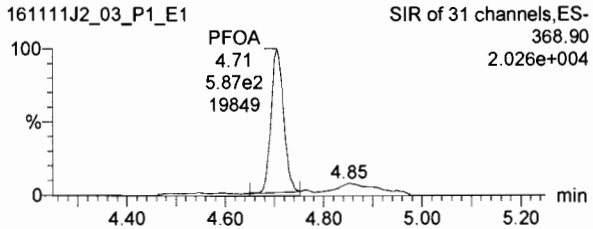
6:2 FTS



PFOA



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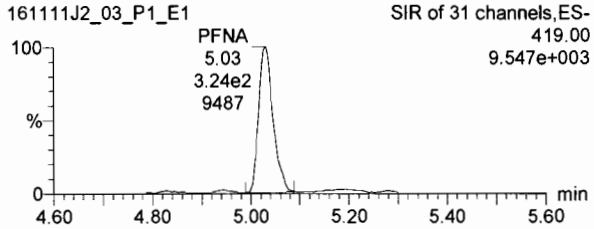

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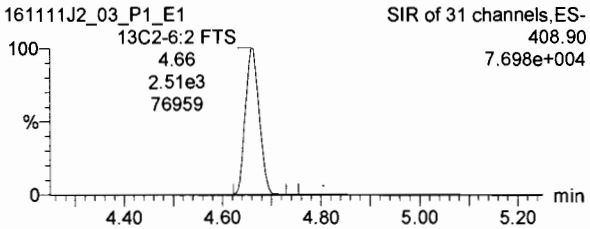

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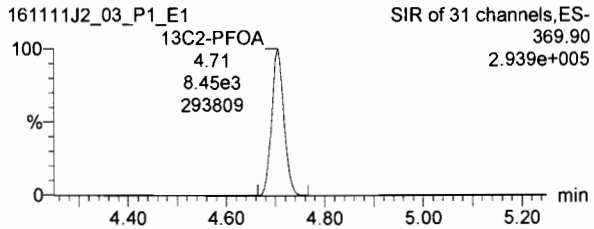

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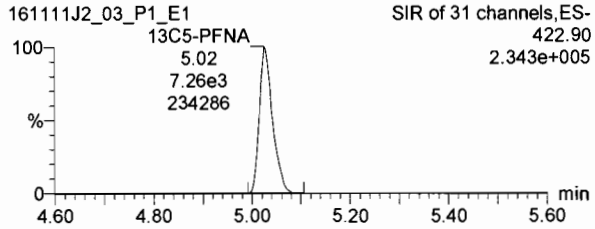

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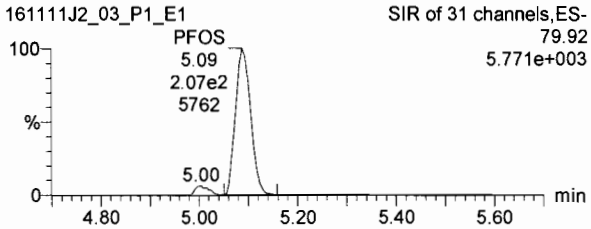

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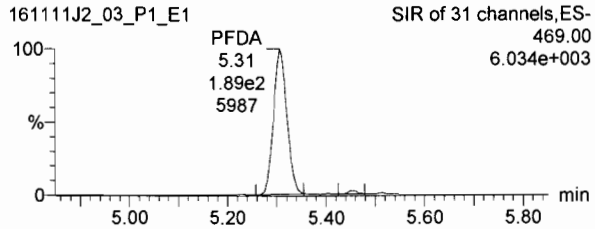
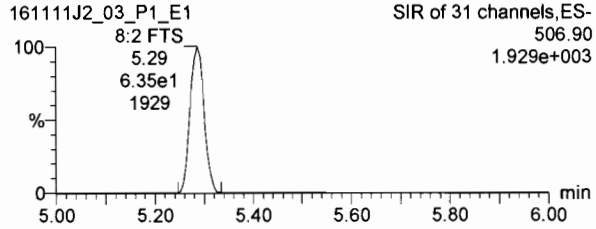


8:2 FTS



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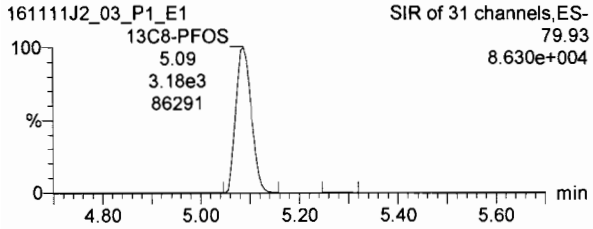

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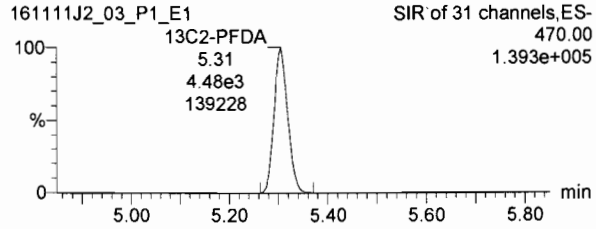

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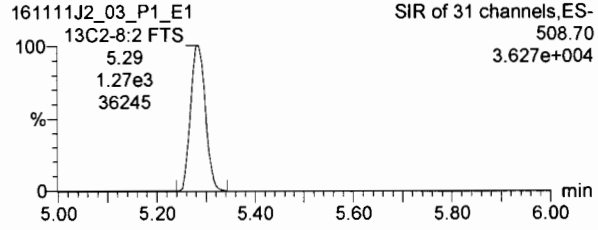

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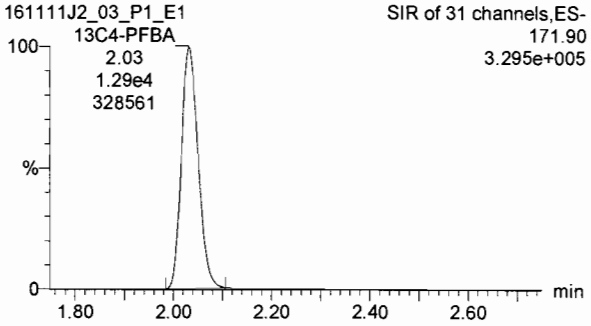
Name: 161111J2_03.wiff, Date: 11-Nov-2016, Time: 16:51:46, ID: ST161111J2-2 PFC CS(-1) 16K1115, Description: PFC CS(-1) 16K1115 A

13C4-PFBA



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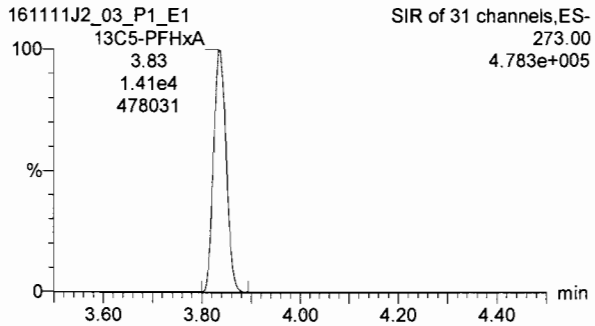

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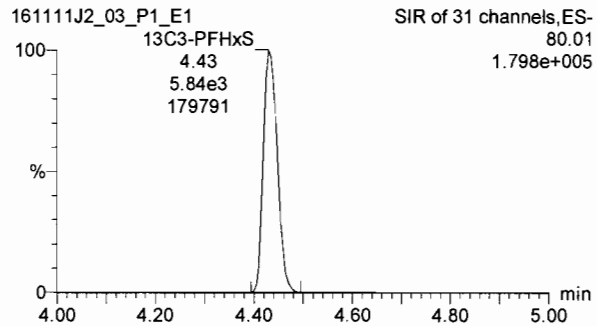

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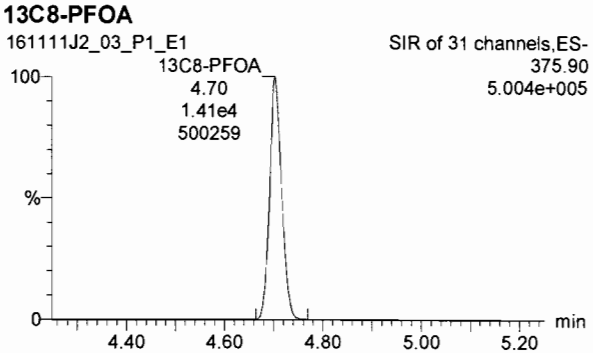

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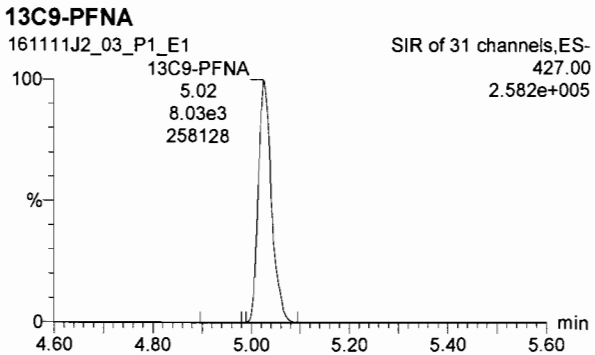

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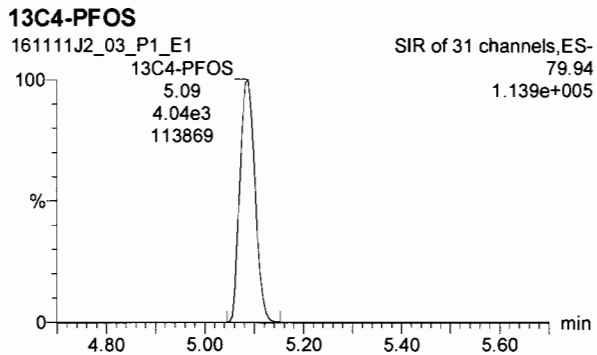

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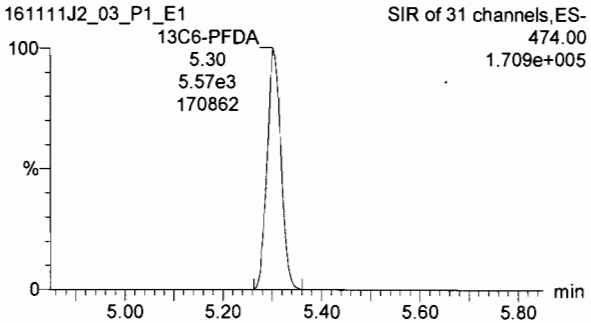

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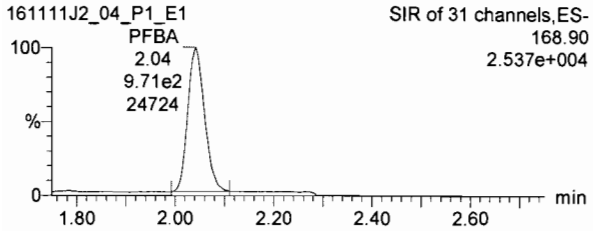

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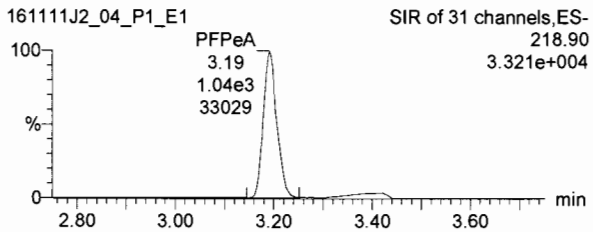

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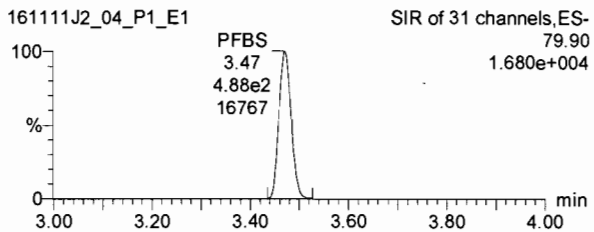

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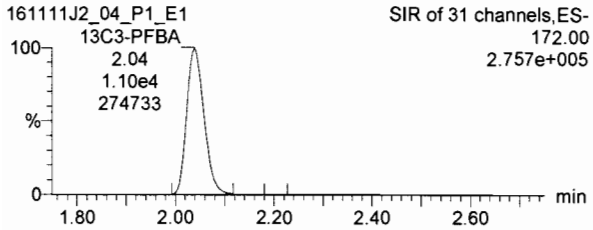

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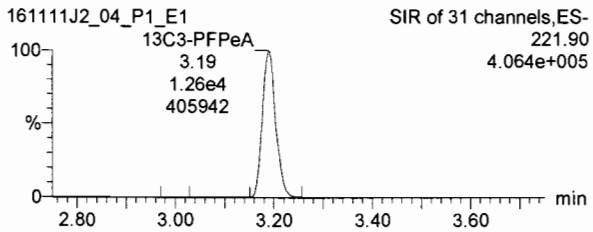

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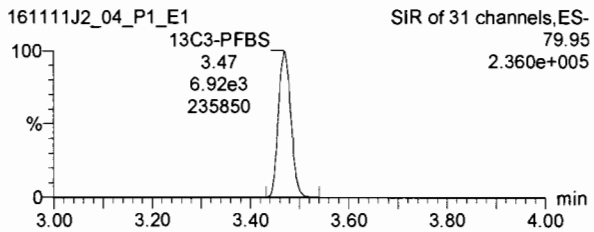

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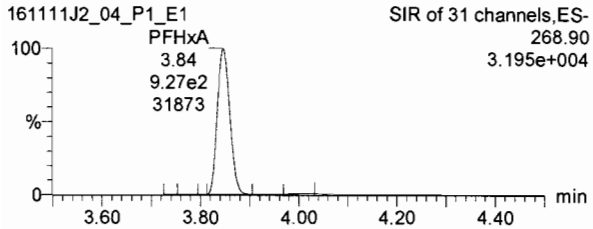

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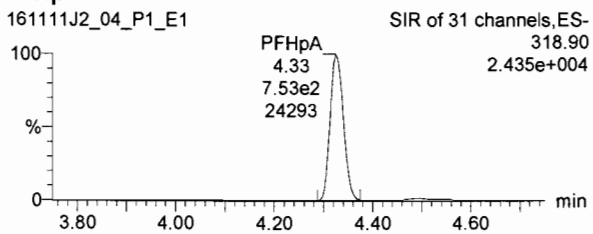

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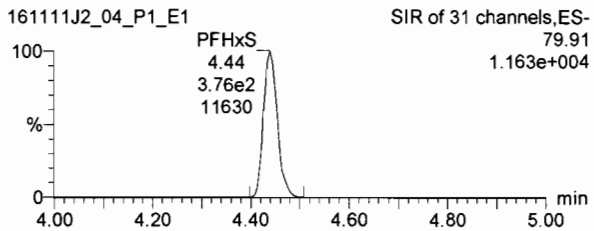

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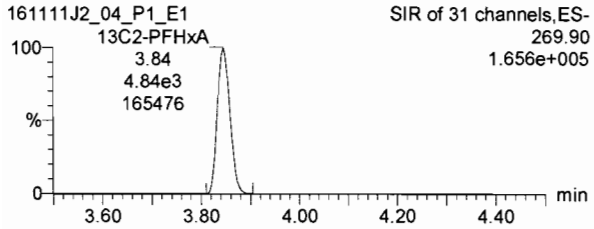

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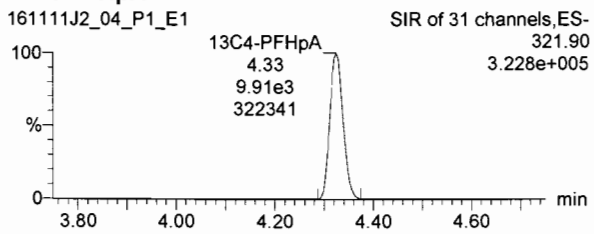

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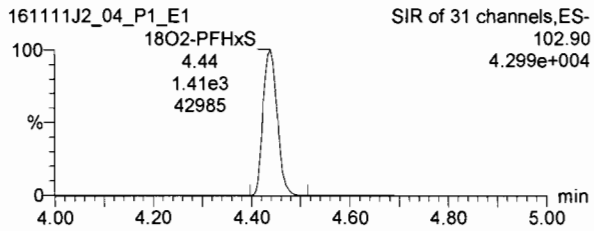

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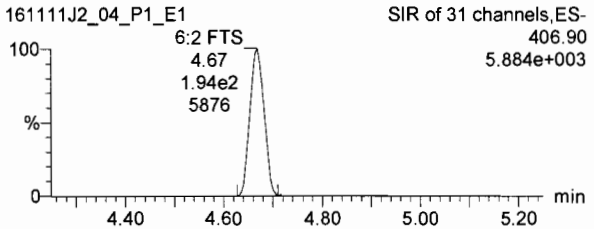
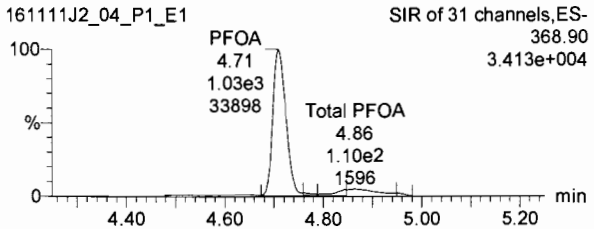


PFOA



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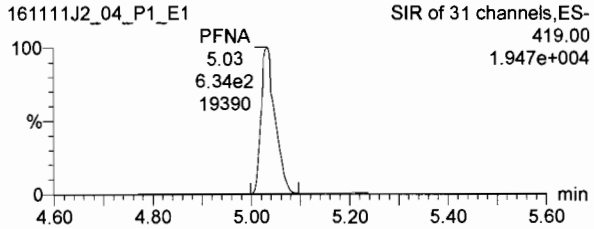

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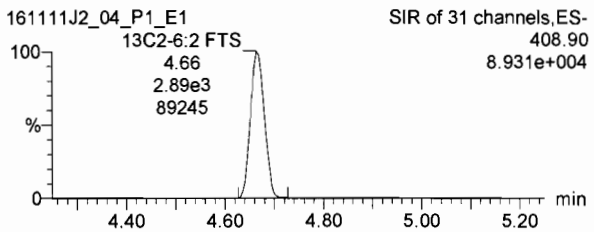

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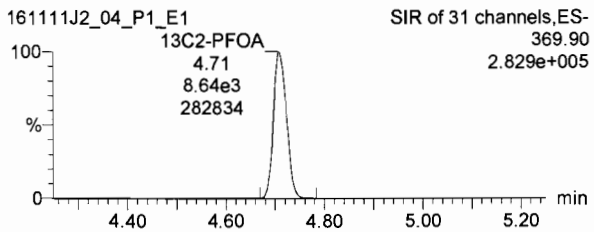

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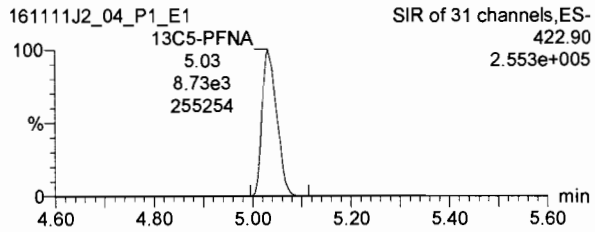

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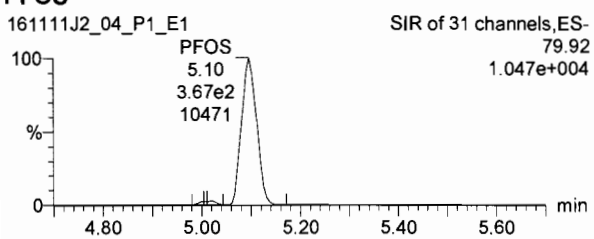

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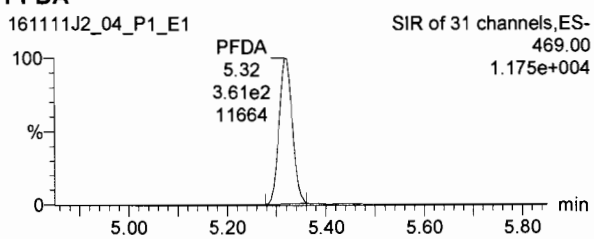
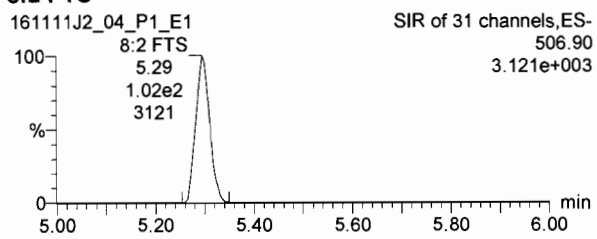


8:2 FTS



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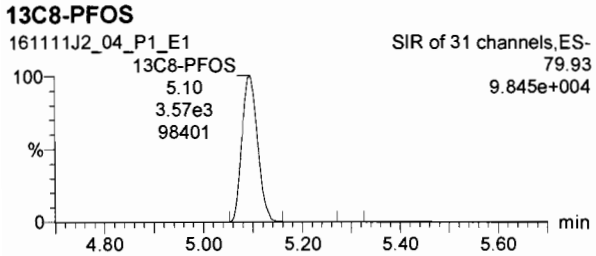

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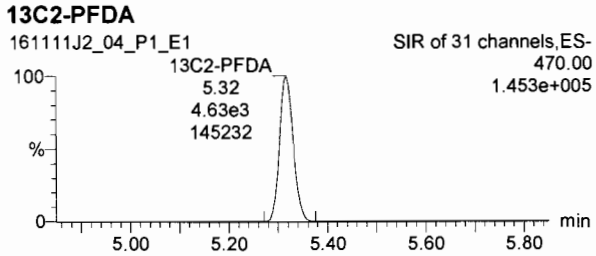

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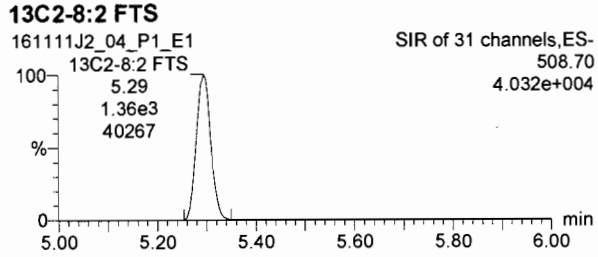

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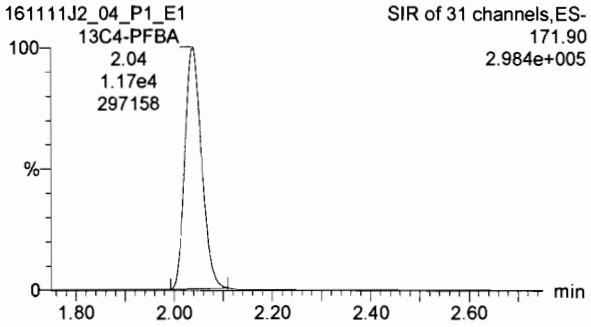
13C4-PFBA



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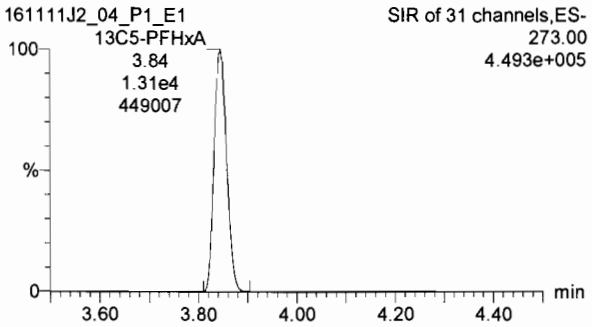

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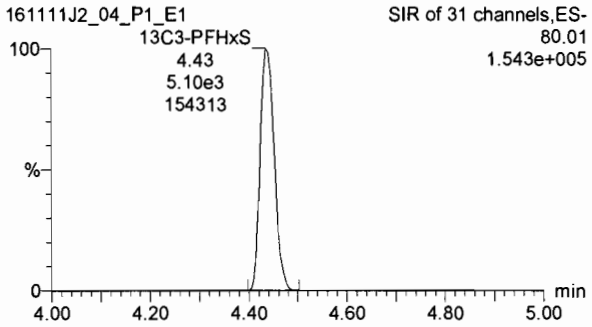

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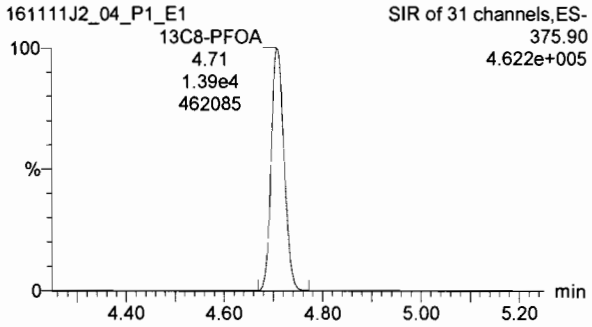

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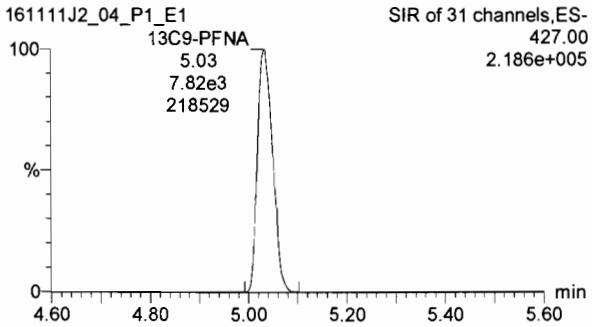

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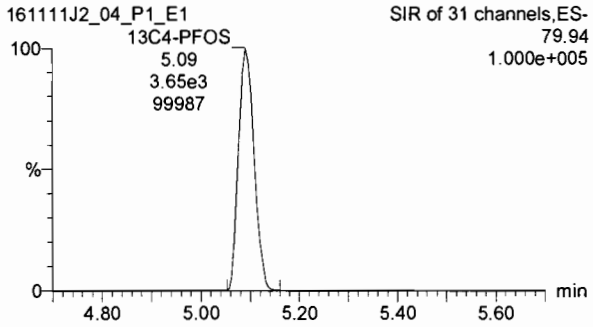

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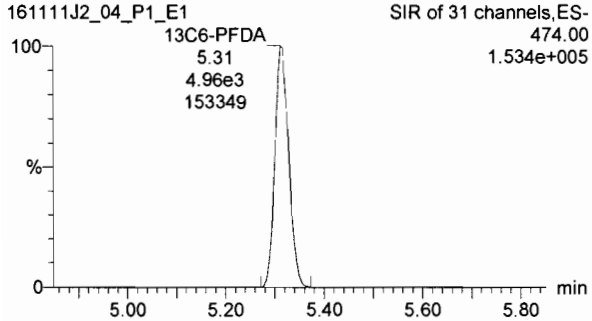

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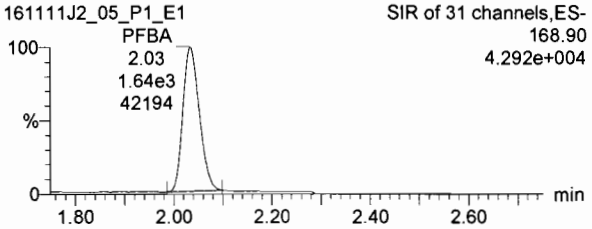

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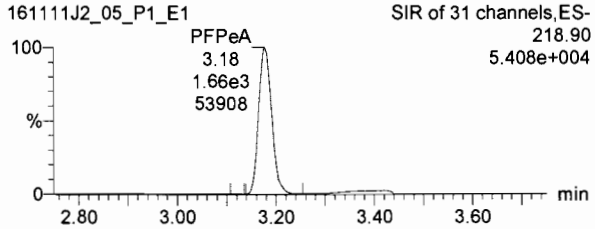

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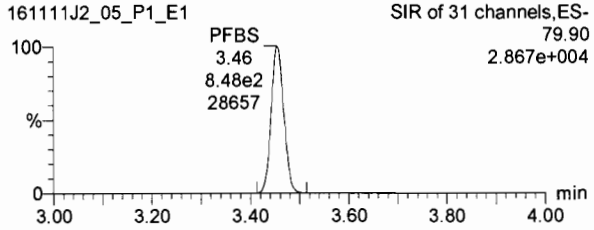

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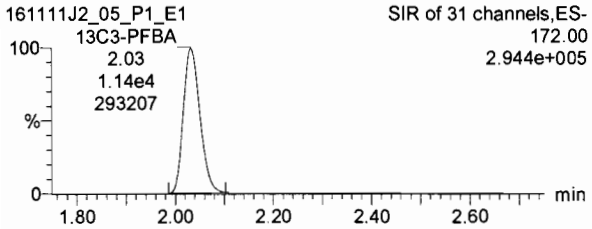

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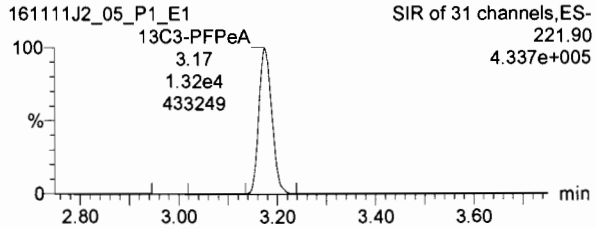

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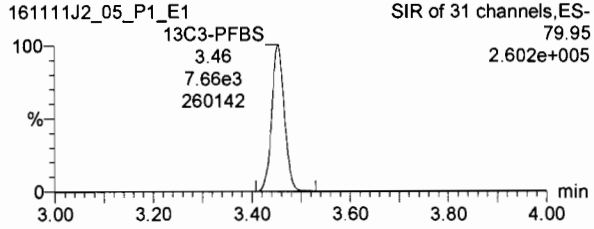

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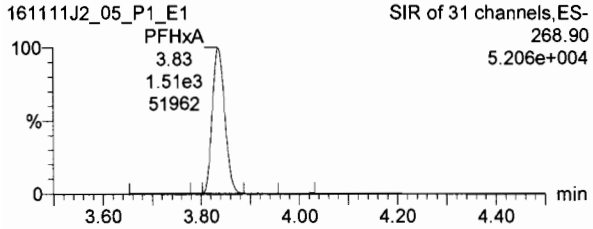

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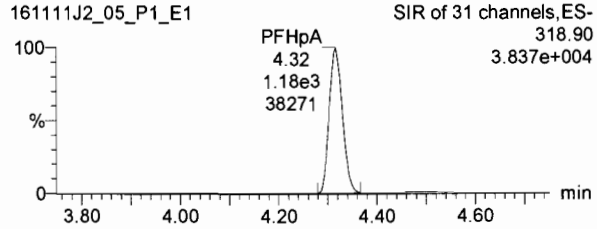

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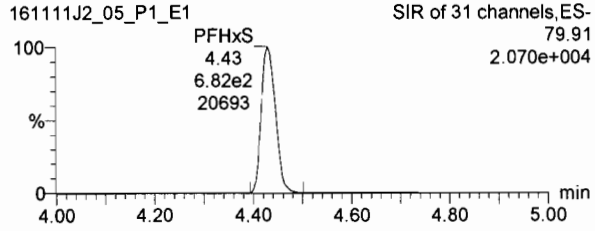

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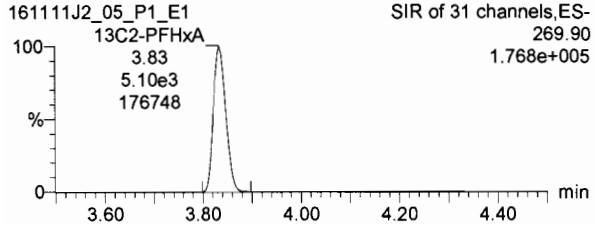

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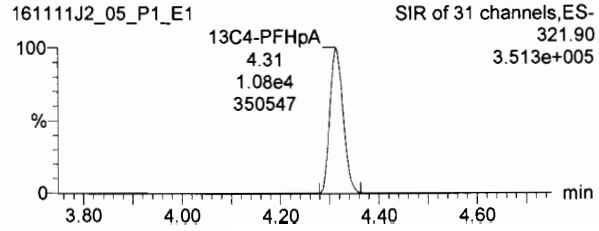

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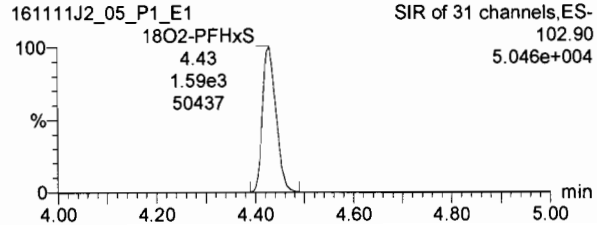

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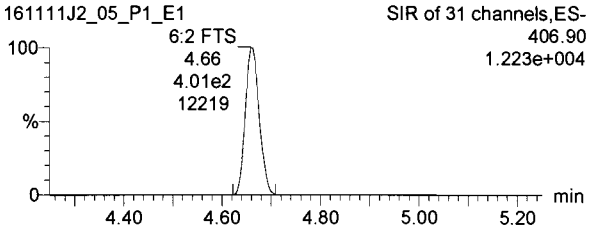
6:2 FTS



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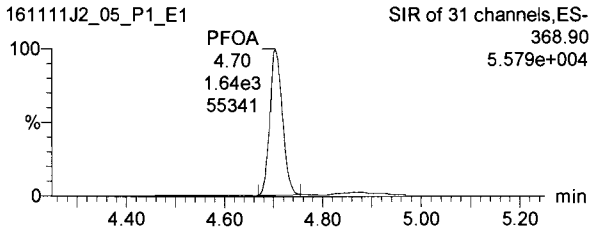

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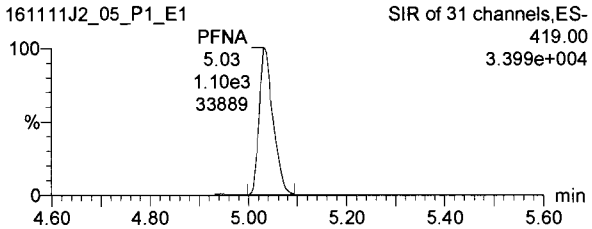
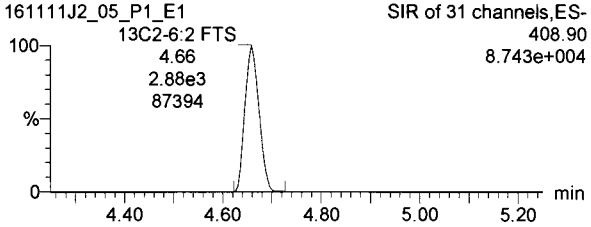


13C2-6:2 FTS



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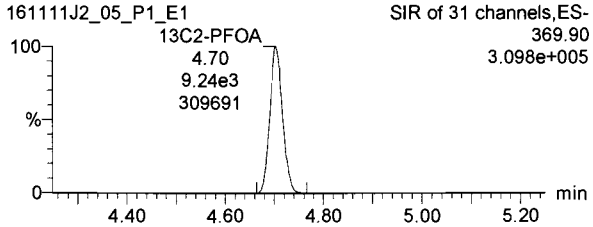

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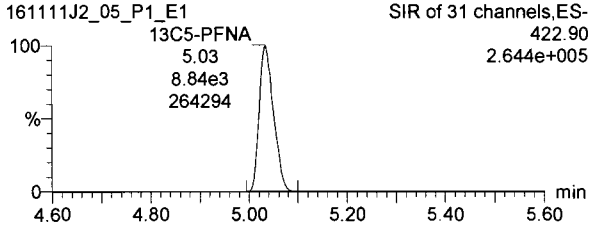

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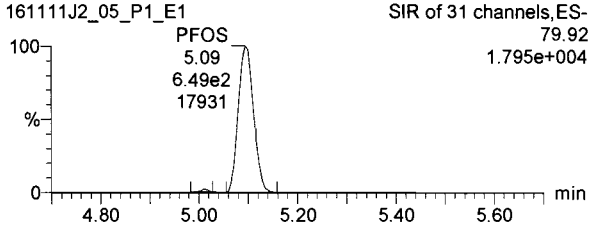
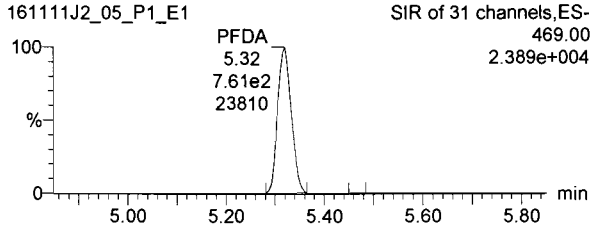


PFDA



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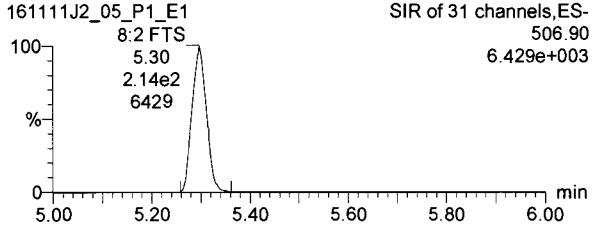

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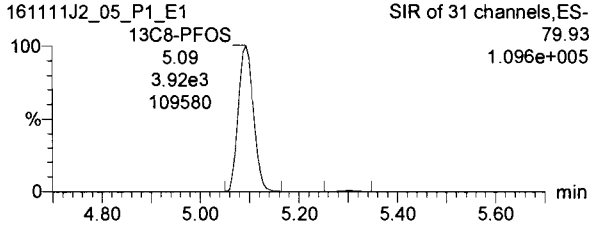

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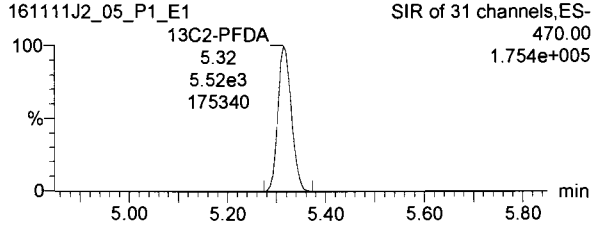

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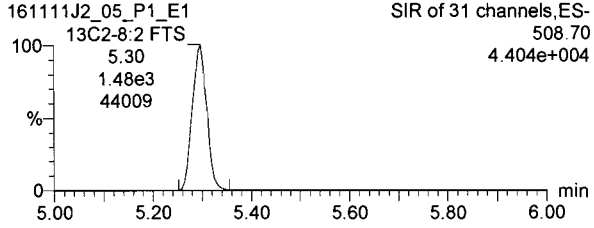

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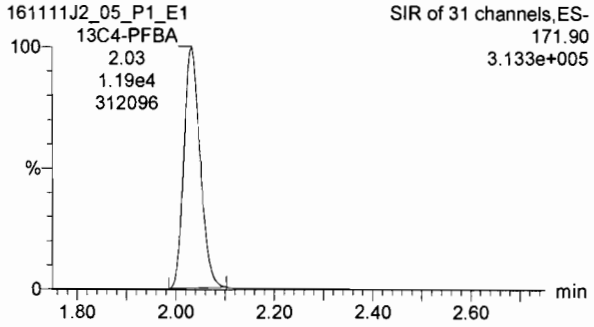
13C4-PFBA



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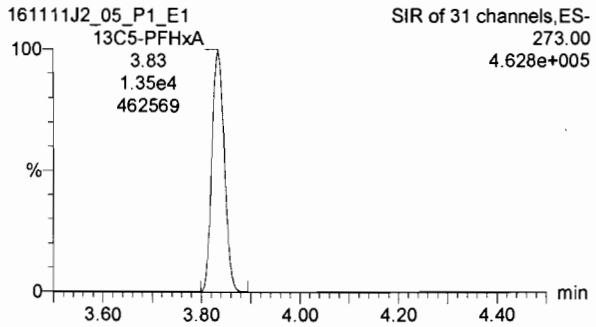

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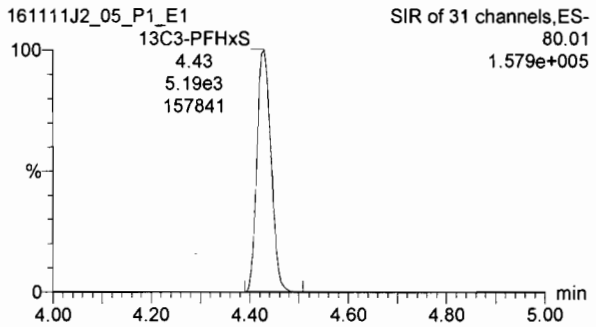

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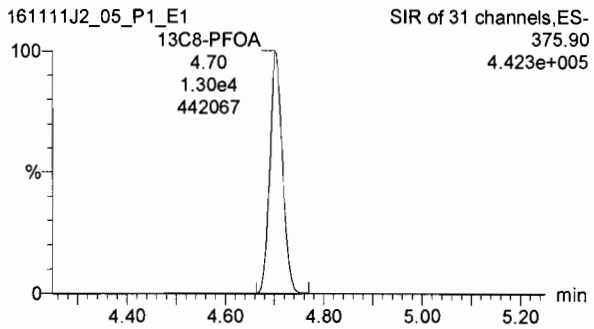

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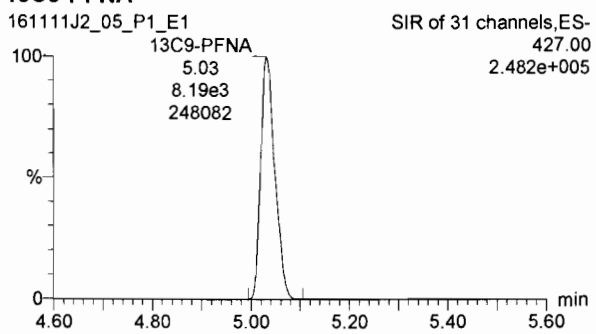

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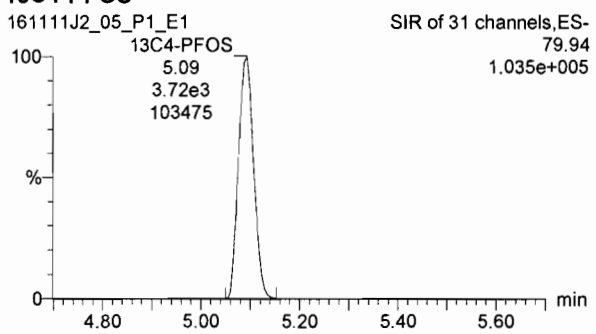

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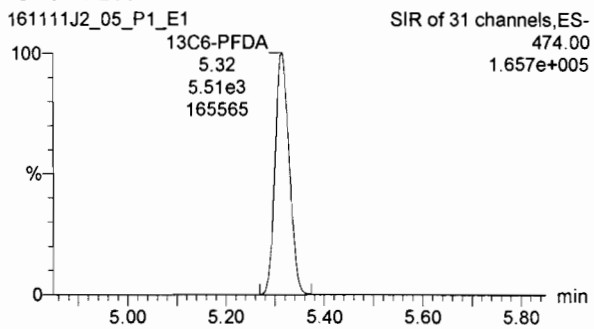

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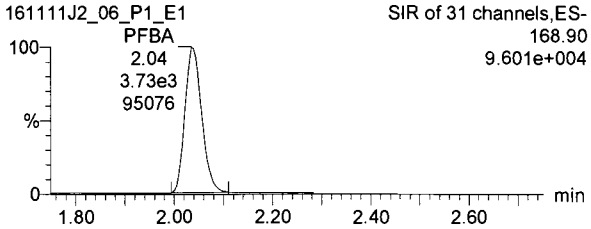

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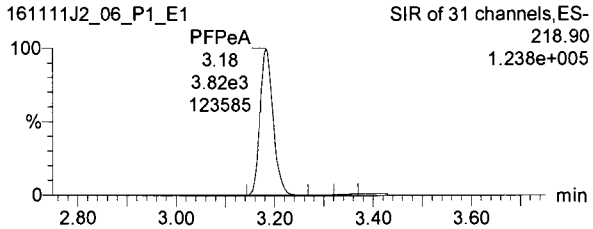

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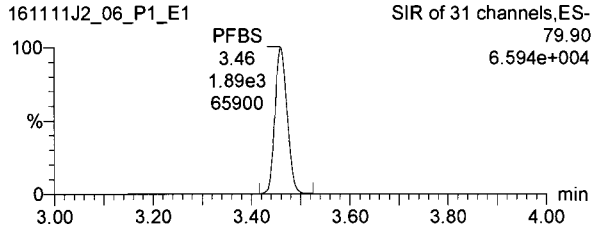

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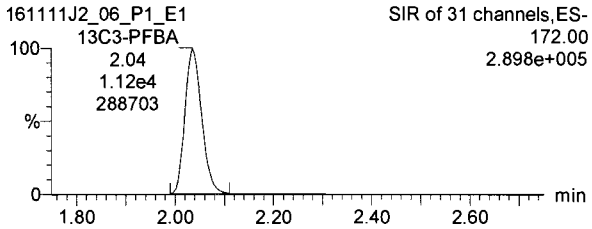

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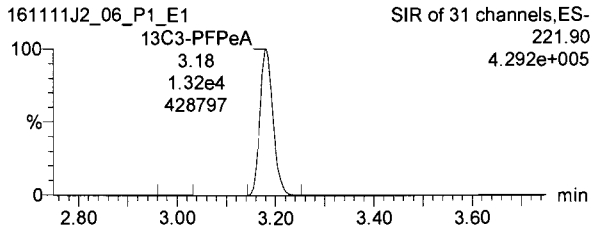

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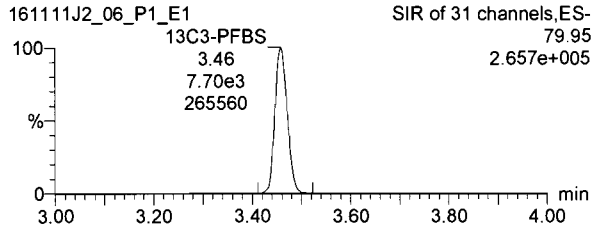

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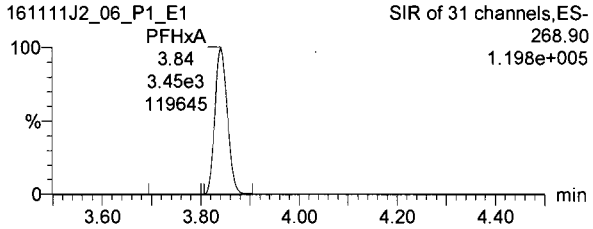

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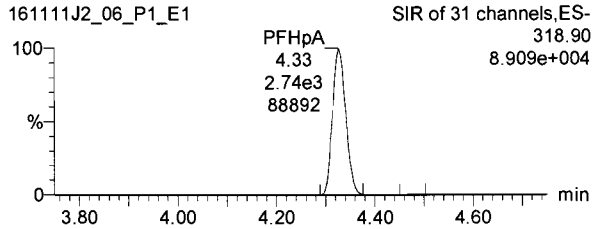

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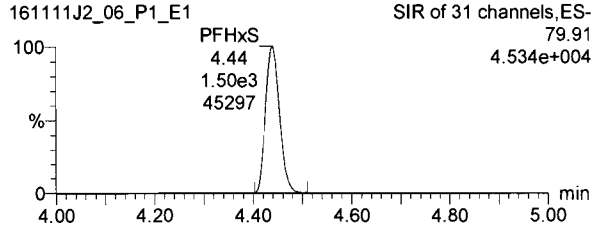

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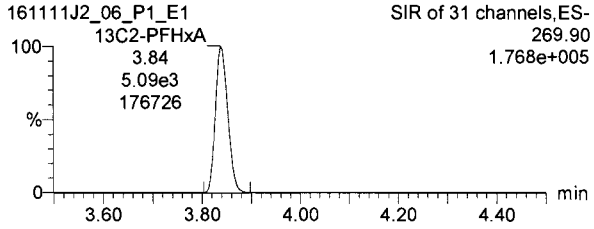

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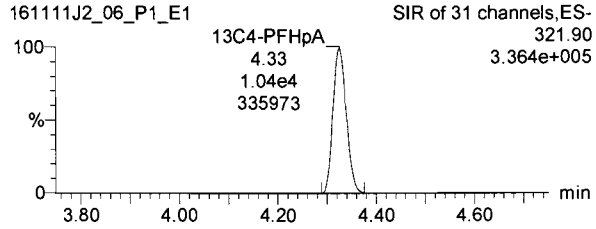

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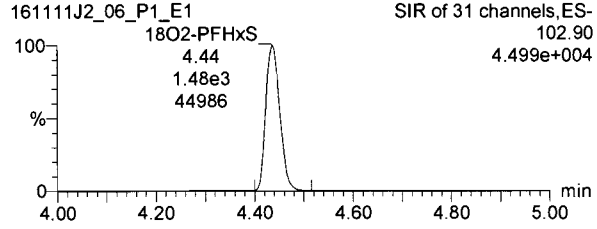

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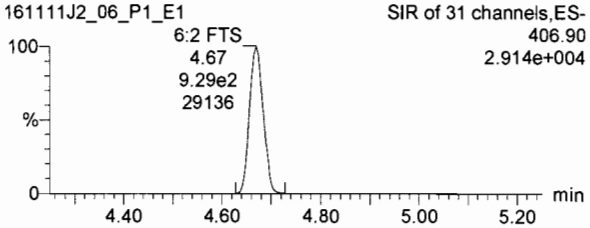

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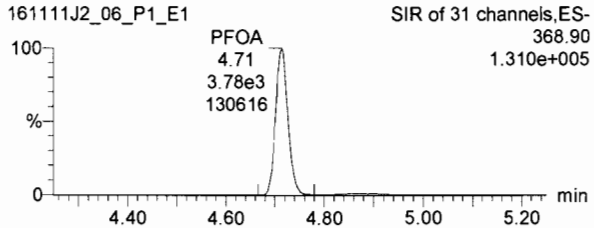

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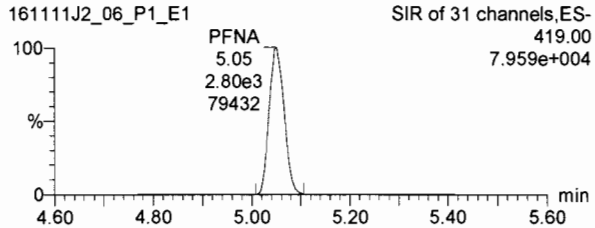

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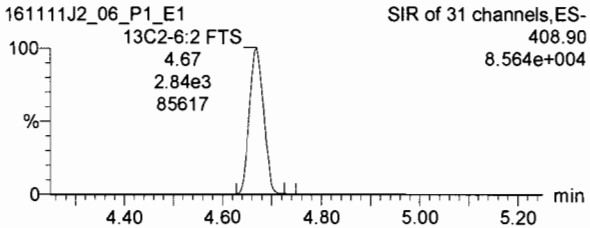

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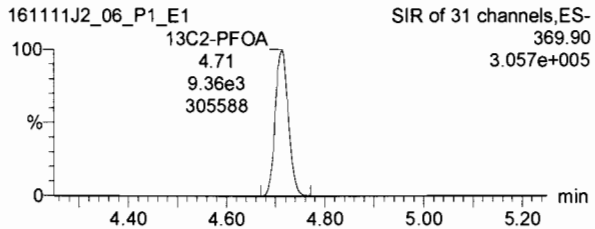

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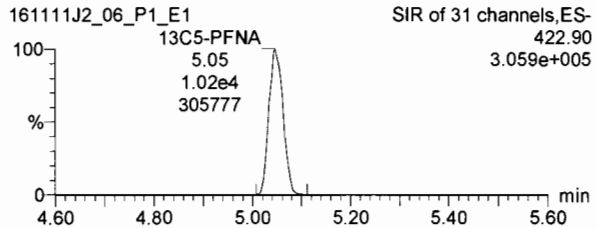

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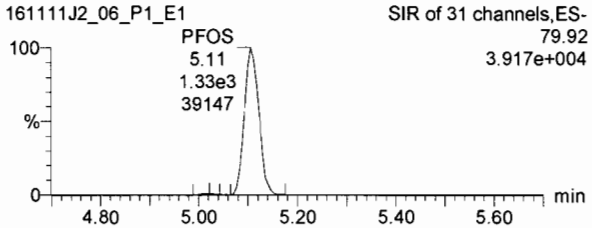

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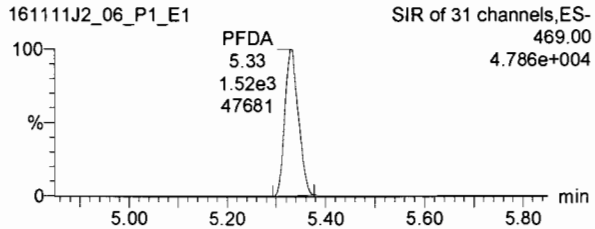

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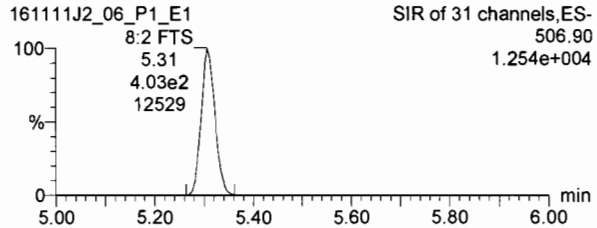
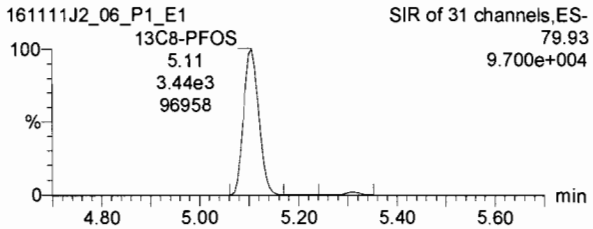


13C8-PFOS



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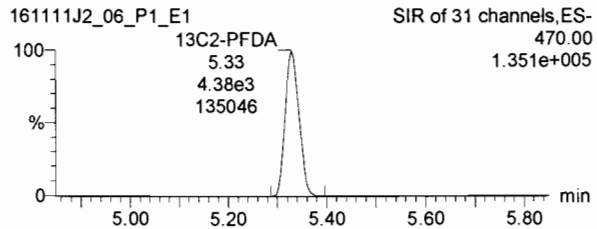

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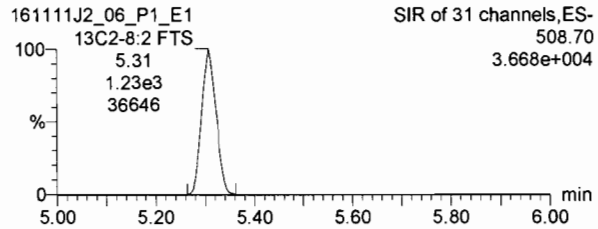

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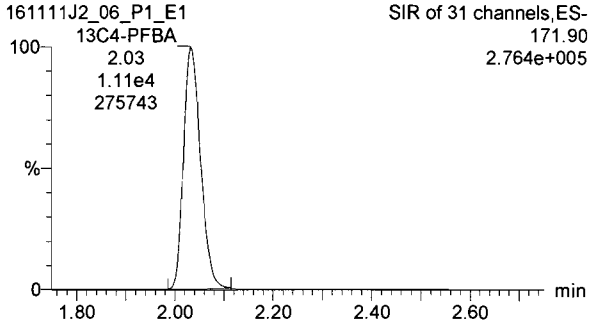
Name: 161111J2_06.wiff, Date: 11-Nov-2016, Time: 17:28:26, ID: ST161111J2-5 PFC CS2 16K1118, Description: PFC CS2 16K1118 A

13C4-PFBA



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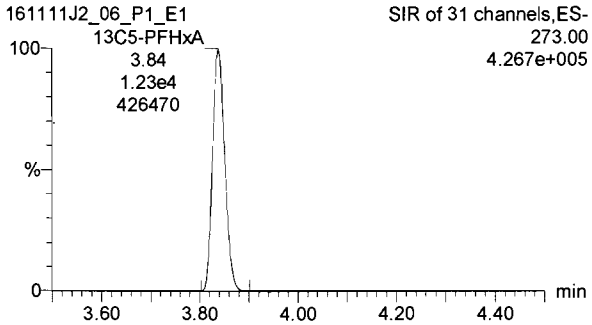

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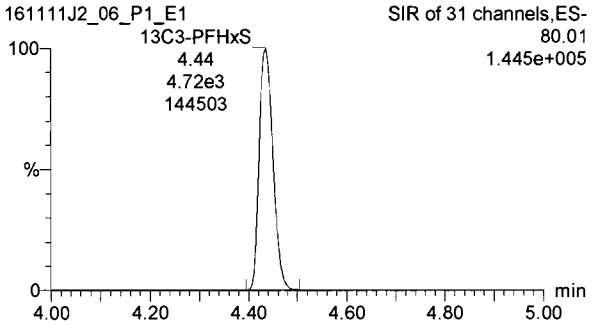

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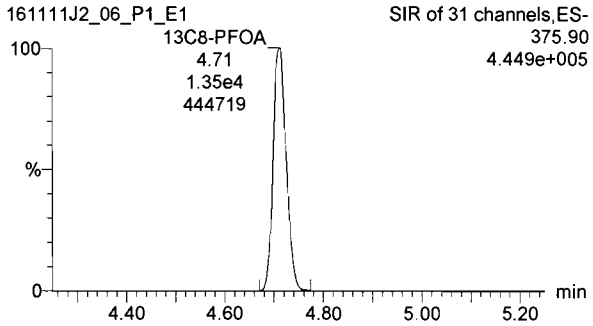

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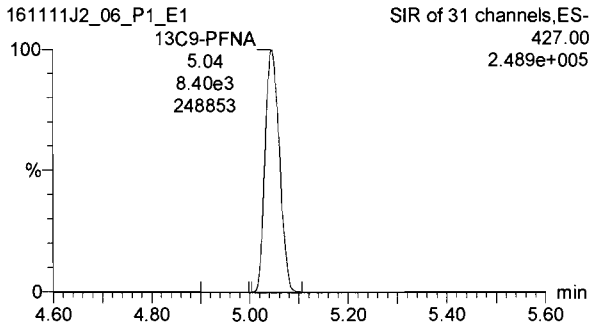

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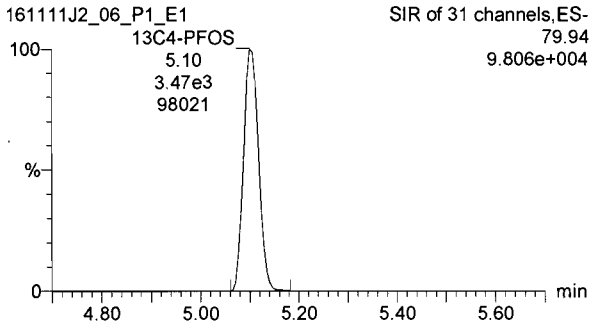

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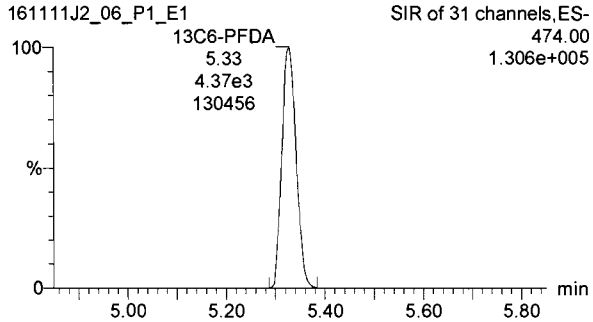

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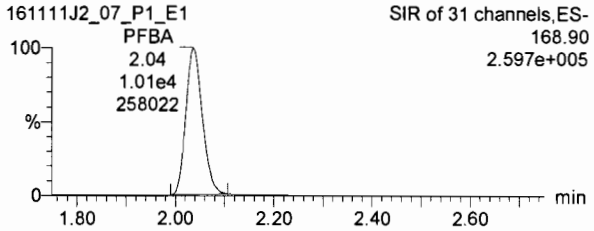

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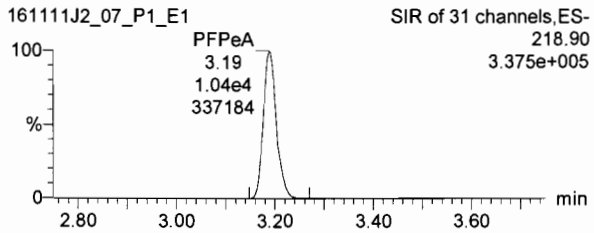

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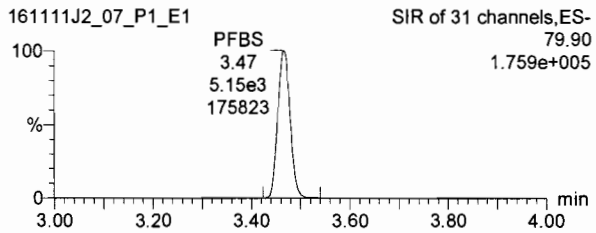

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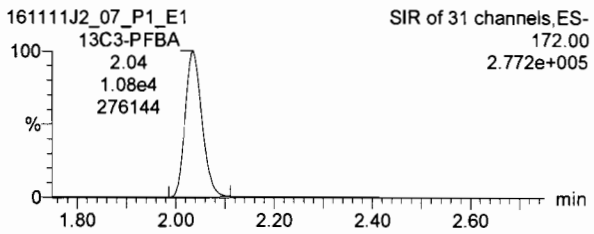

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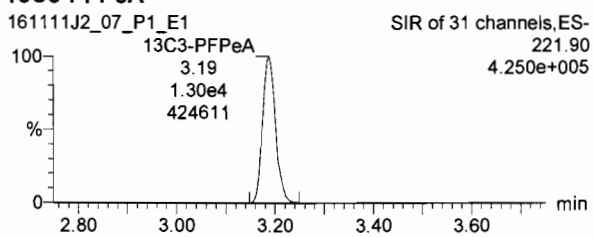

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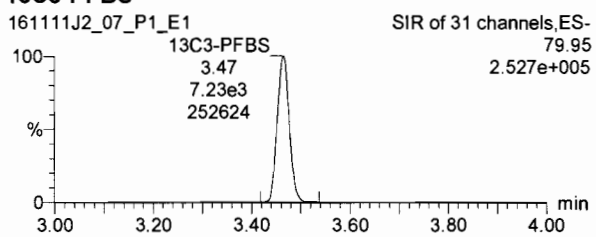

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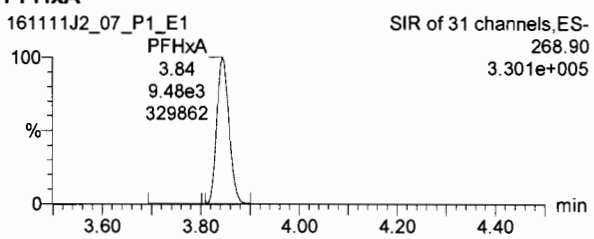

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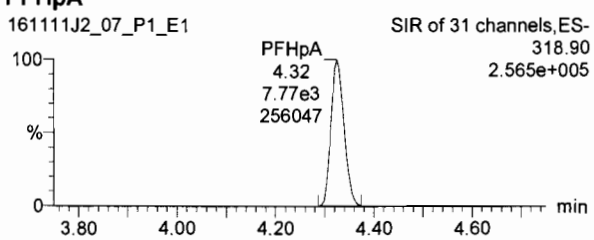

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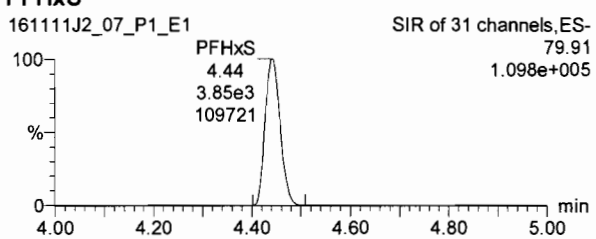

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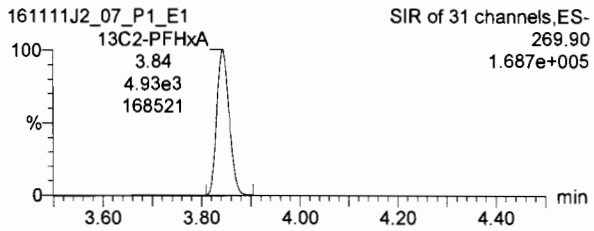

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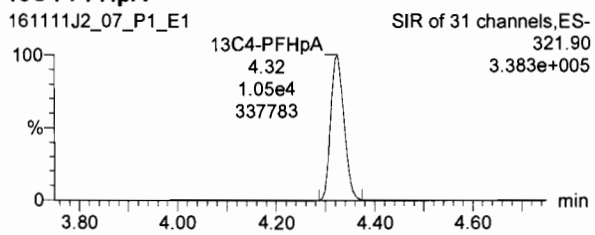

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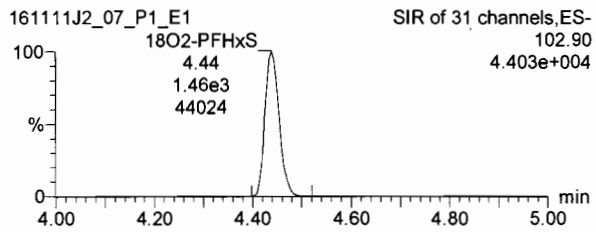

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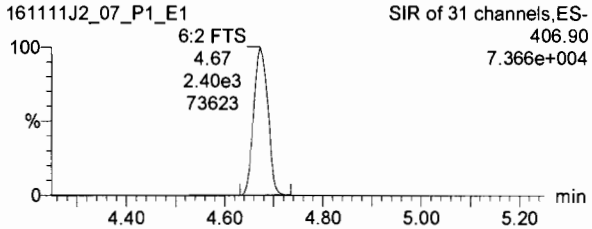

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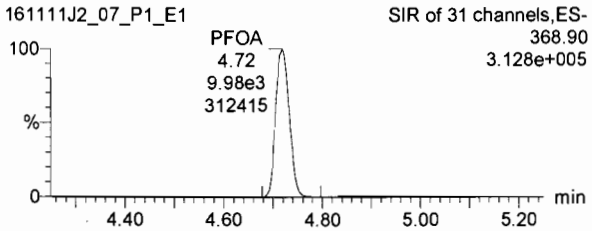

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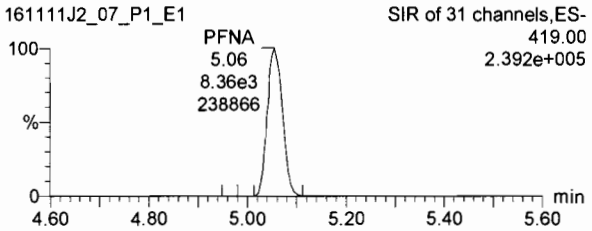

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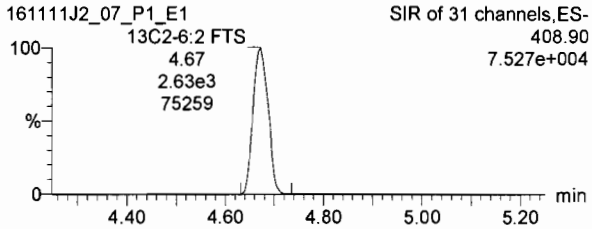

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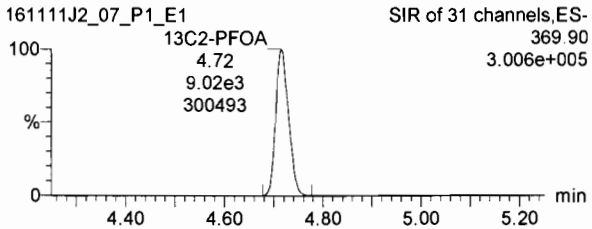

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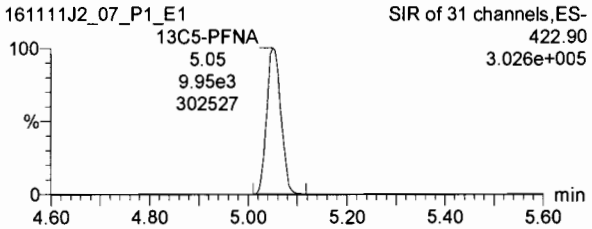

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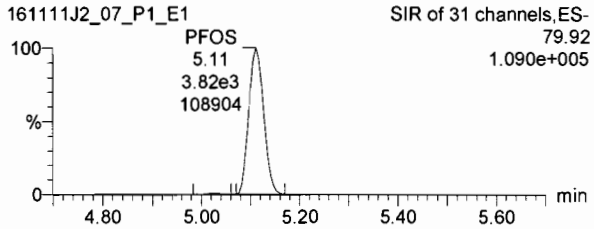

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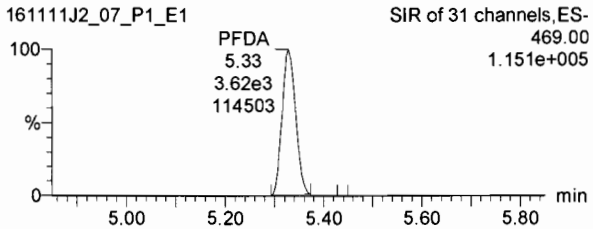

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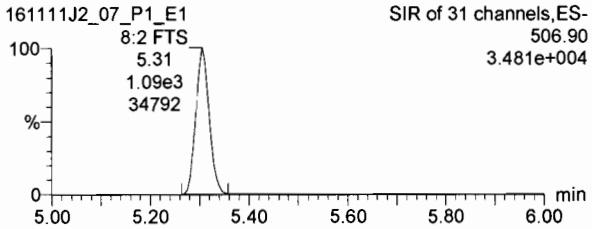

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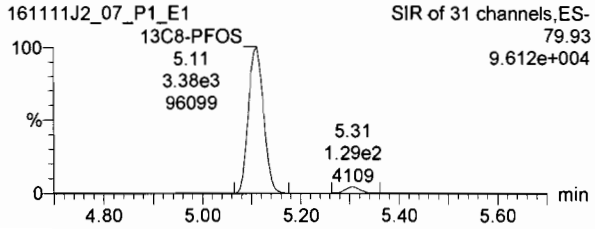

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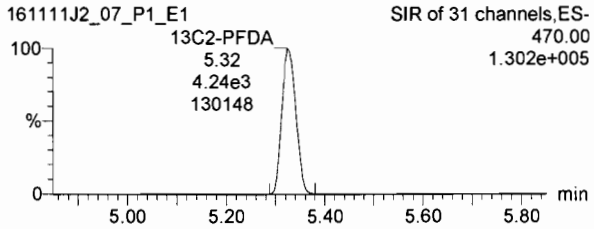
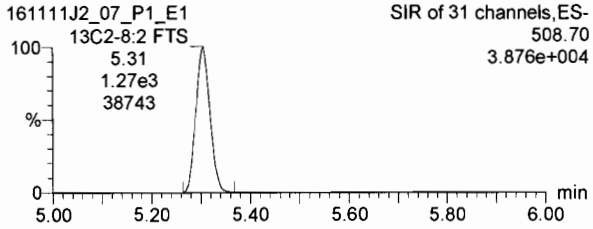


13C2-8:2 FTS



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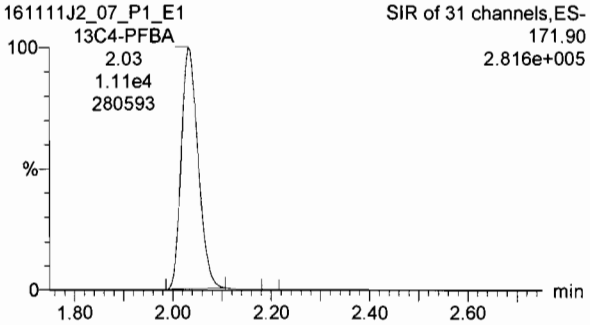
13C4-PFBA



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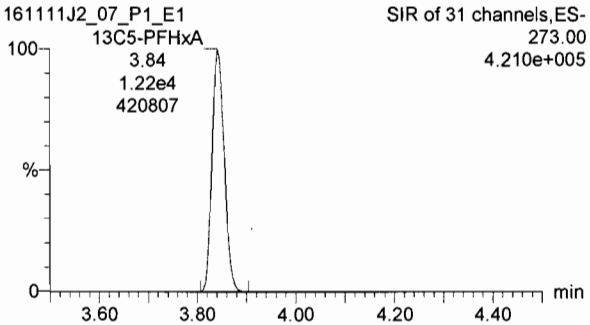

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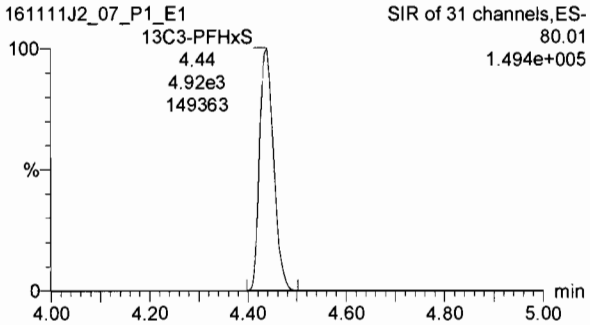

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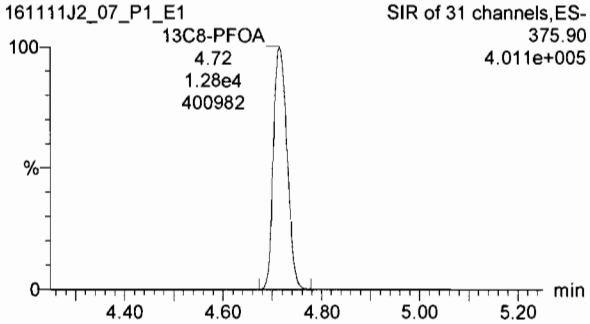
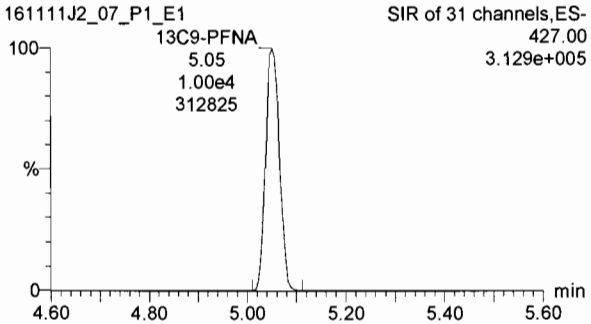


13C9-PFNA



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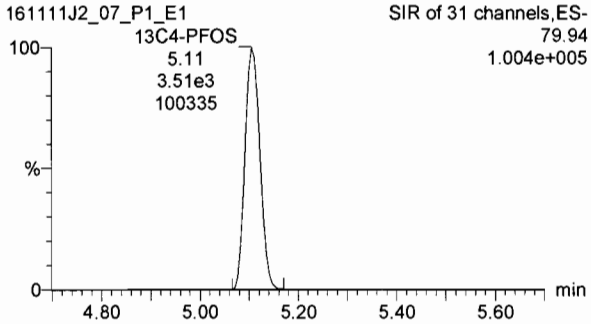
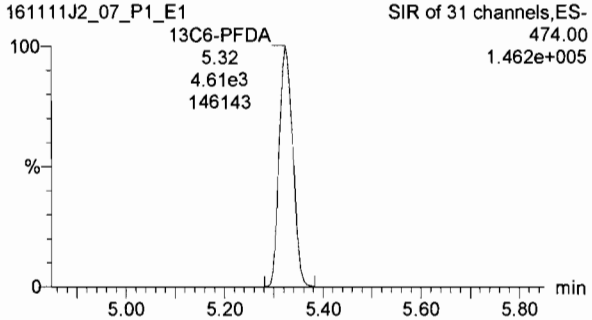


13C6-PFDA



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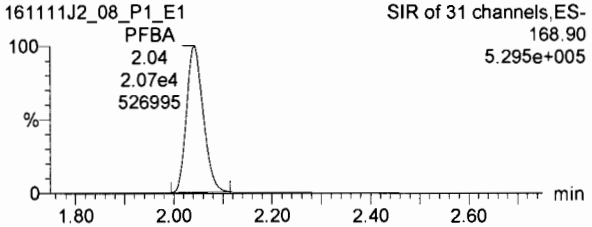

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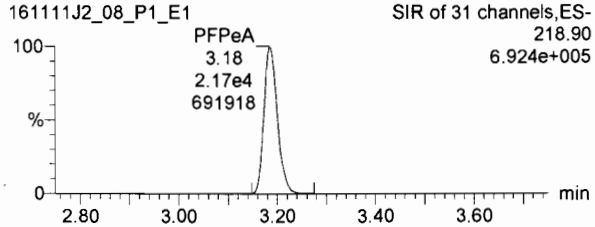

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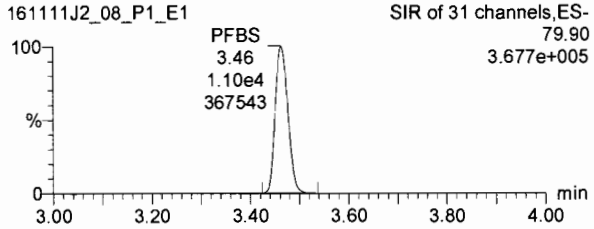

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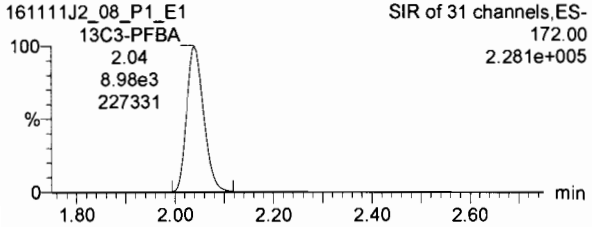

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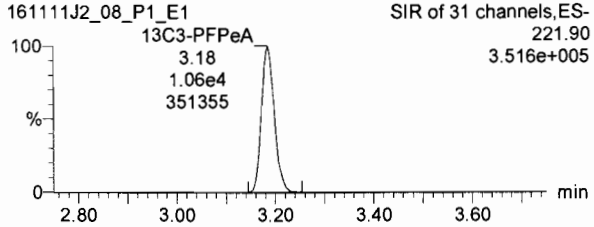

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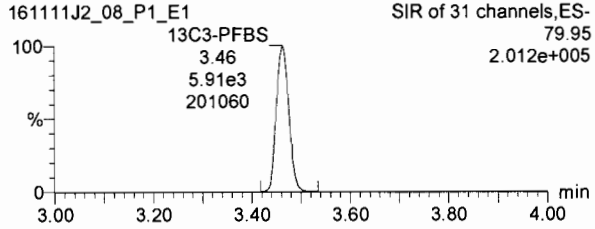

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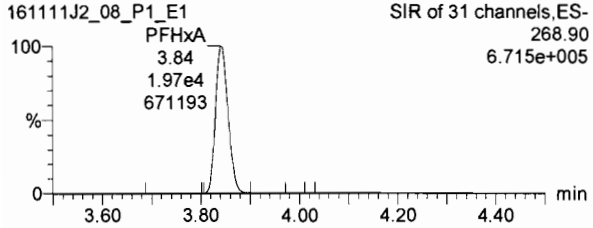

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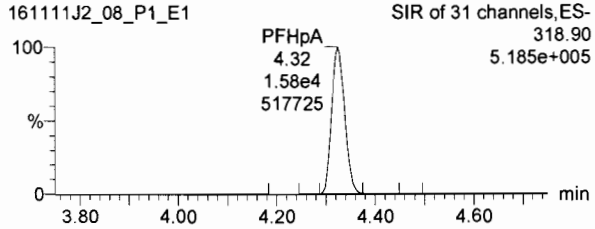

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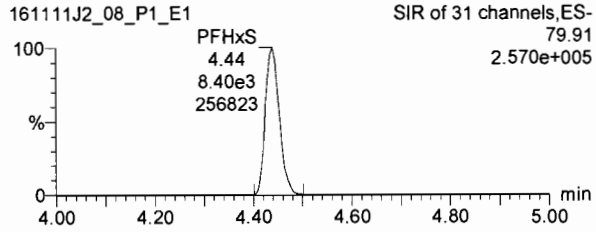

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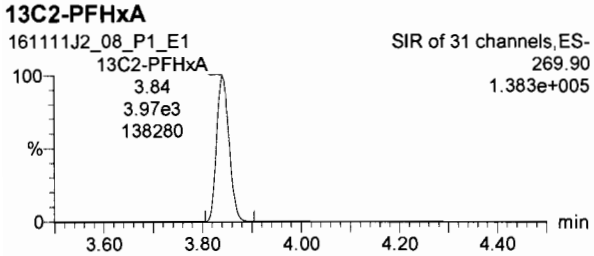

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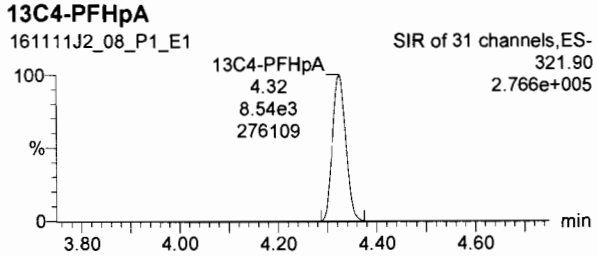

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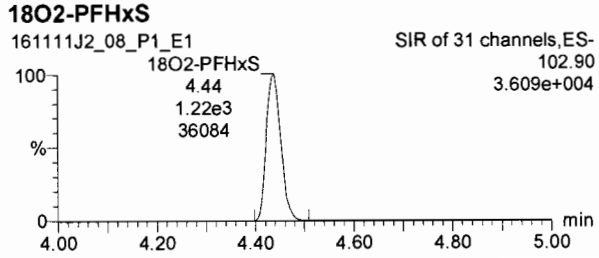

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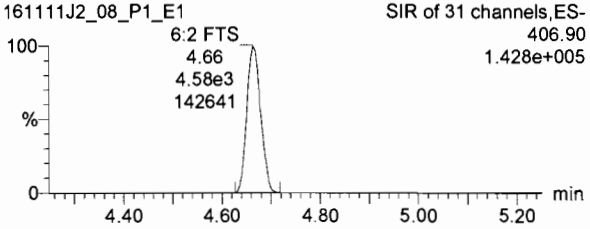

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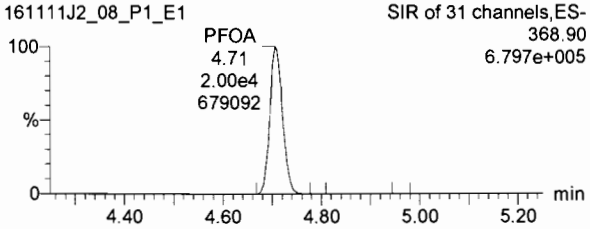

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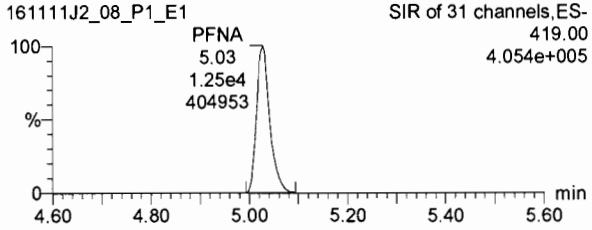

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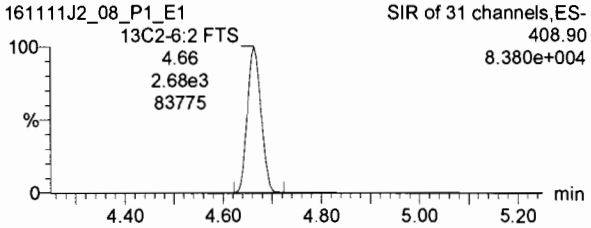

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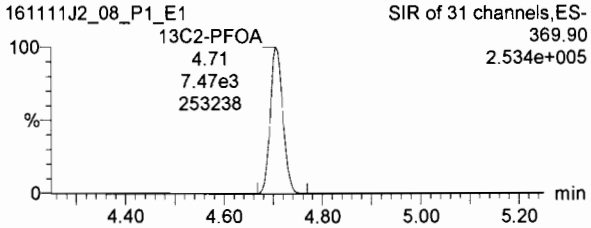

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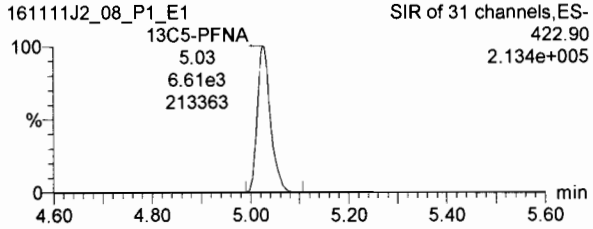

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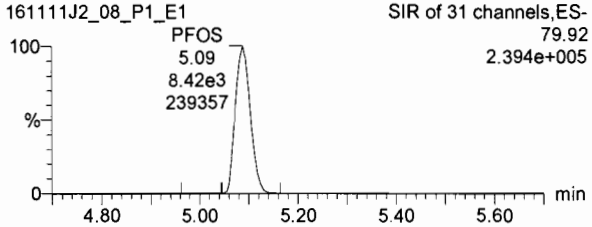

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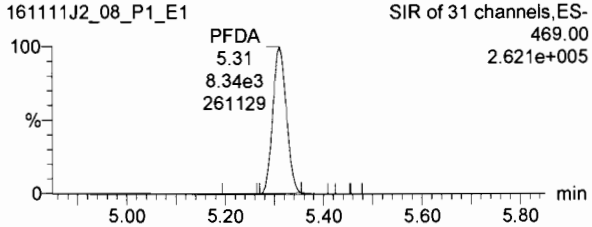
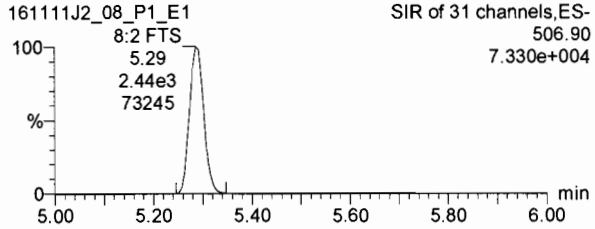


8:2 FTS



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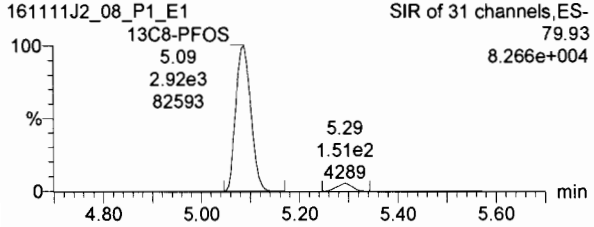

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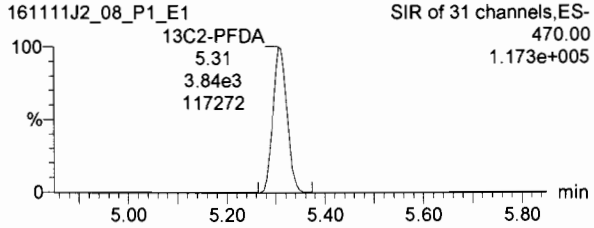

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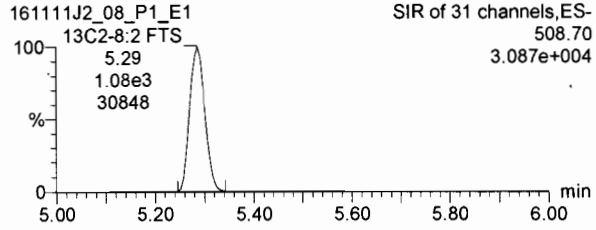

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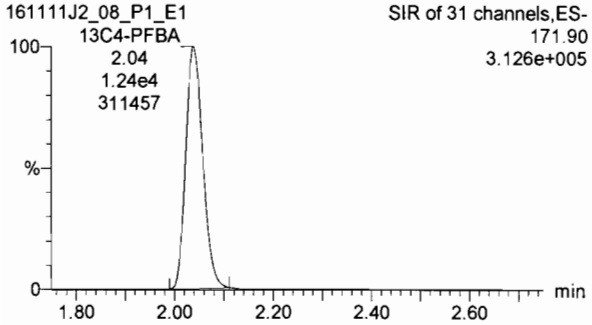
13C4-PFBA



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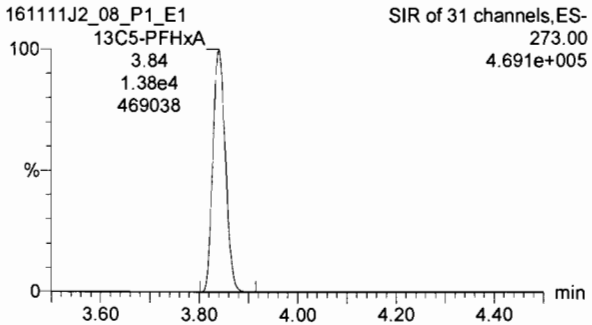

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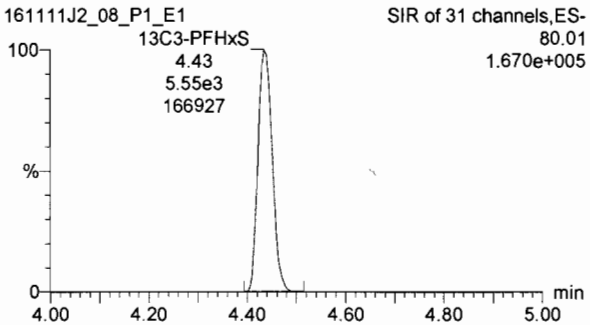

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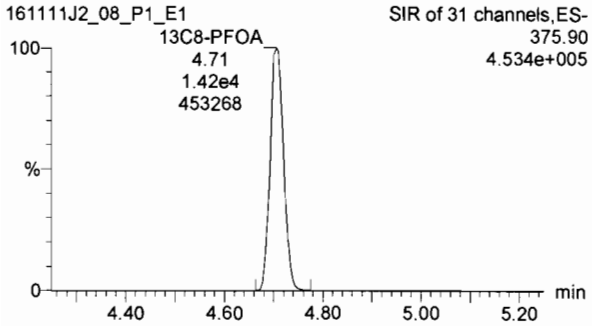

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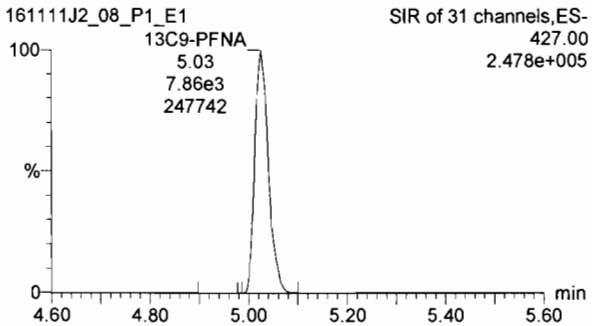

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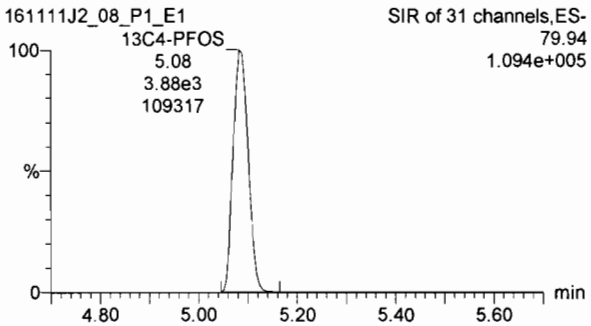

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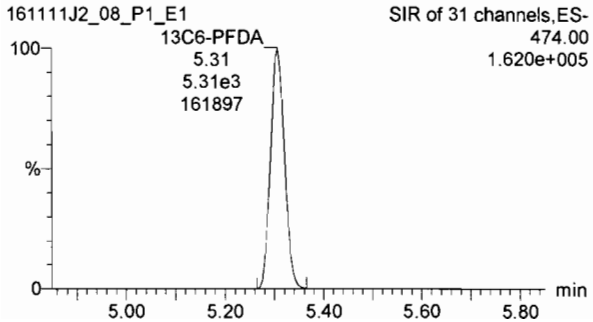

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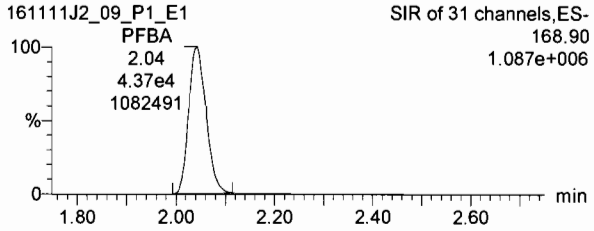

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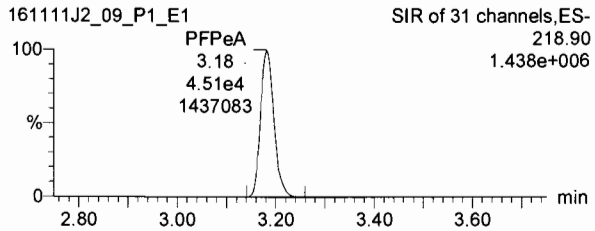

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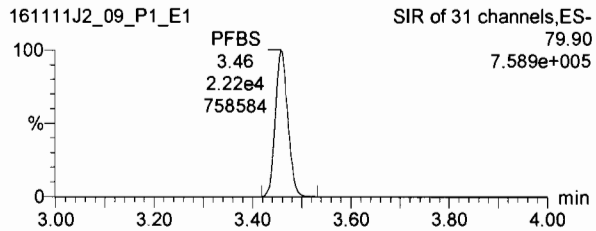

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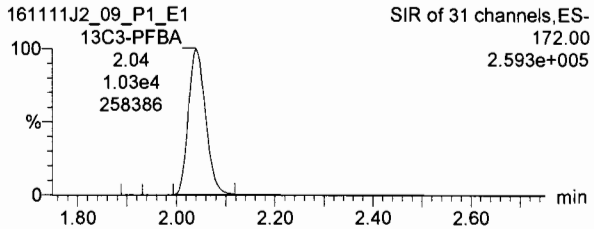

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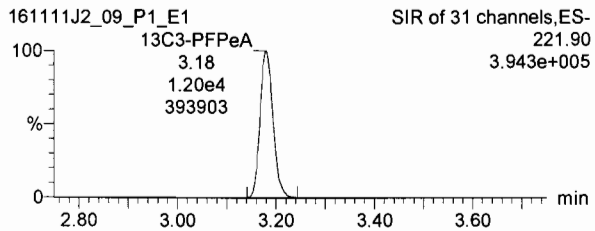

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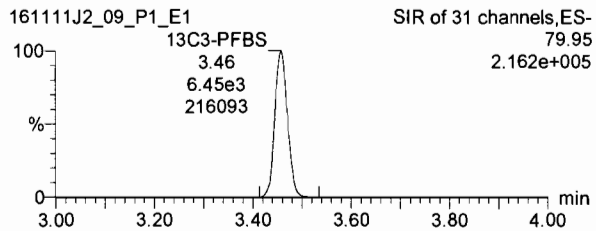

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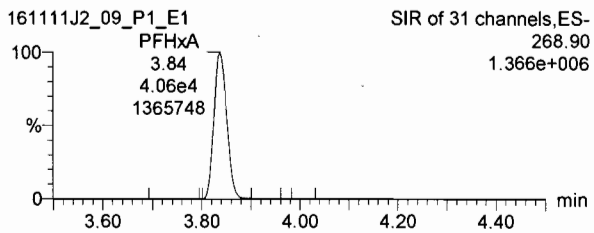

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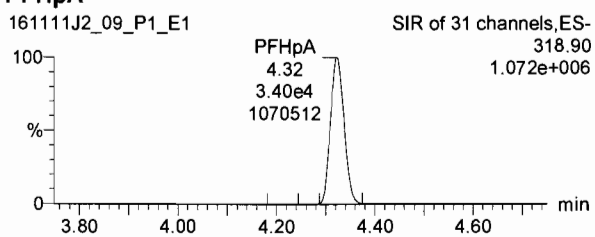

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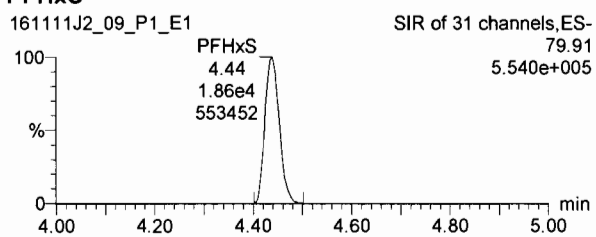

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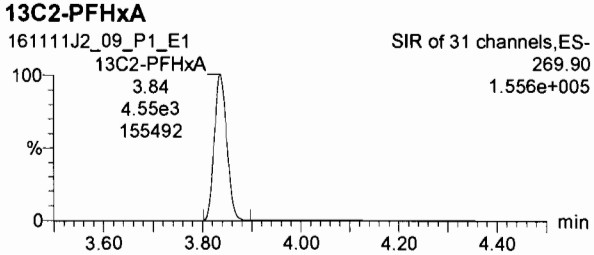

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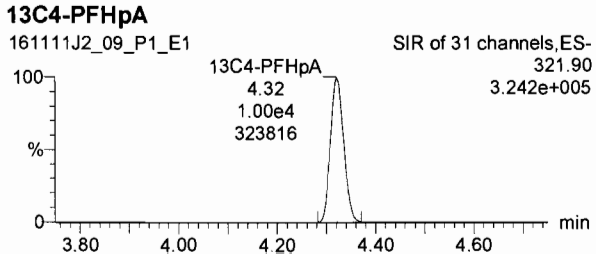
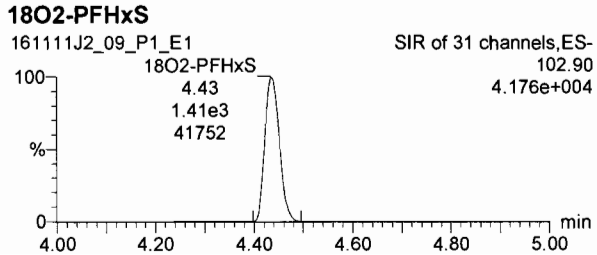


18O2-PFHxS



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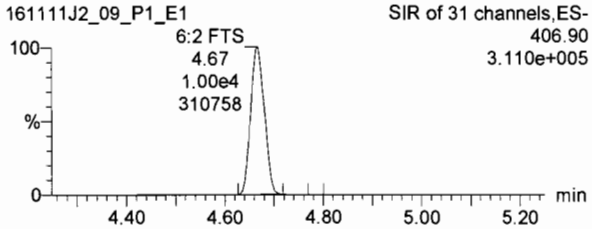

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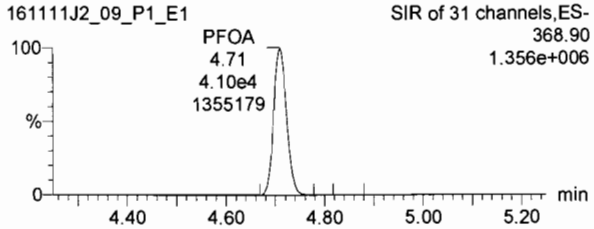

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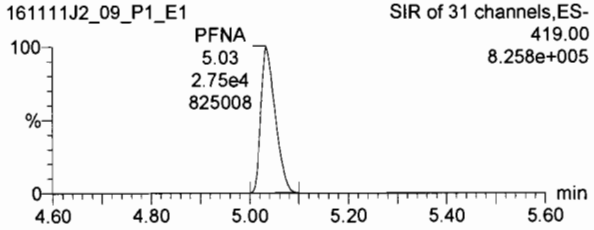

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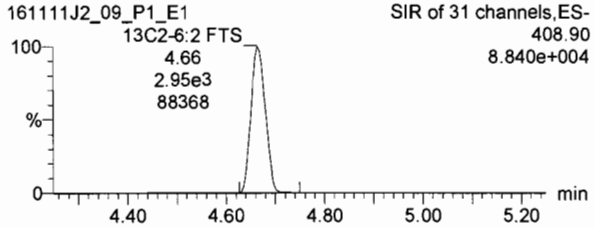

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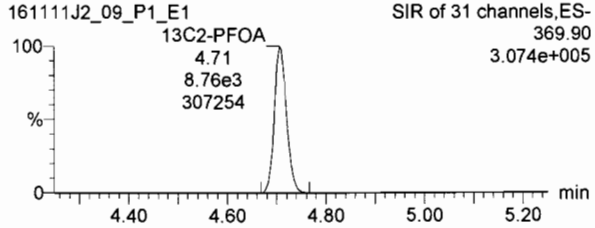

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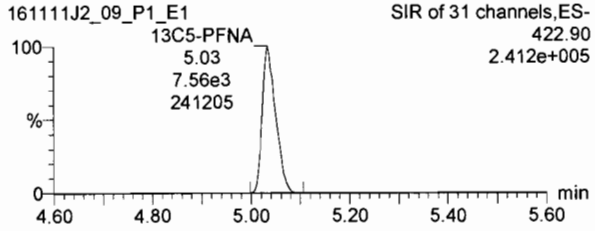

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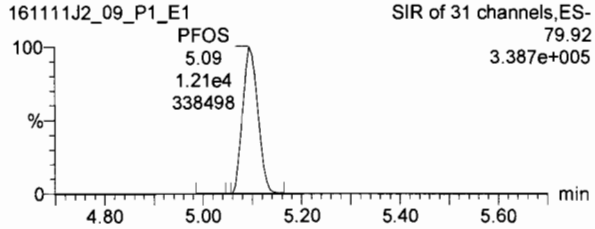

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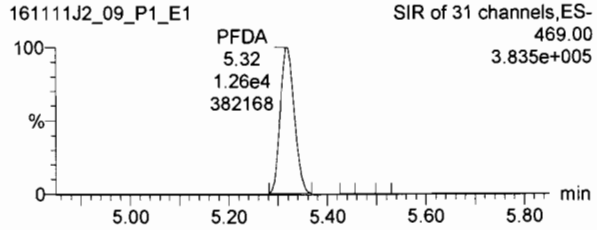
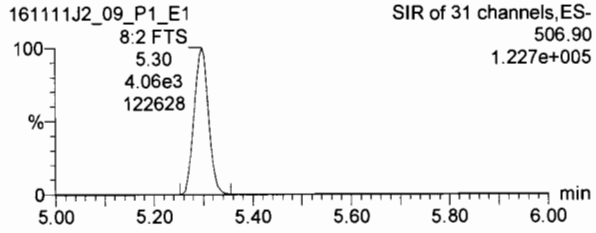


8:2 FTS



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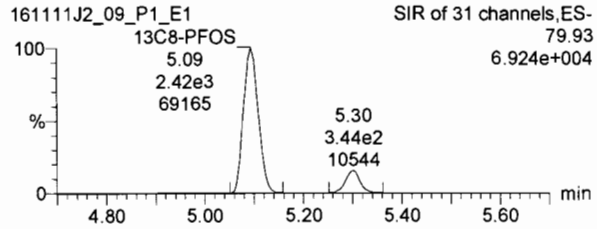

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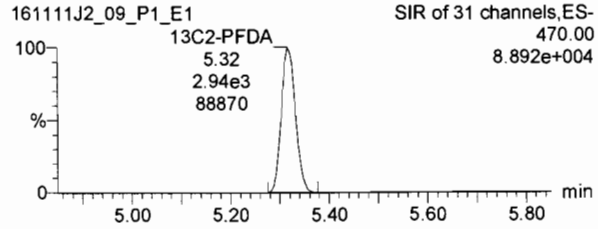

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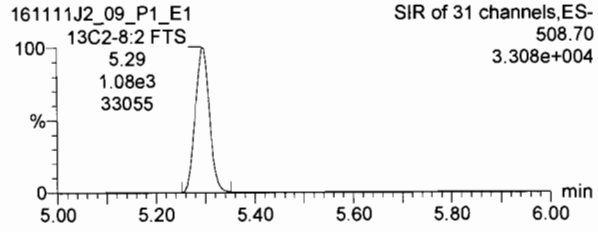

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Name: 161111J2_09.wiff, Date: 11-Nov-2016, Time: 18:05:09, ID: ST161111J2-8 PFC CS4 16K1121, Description: PFC CS4 16K1121 A

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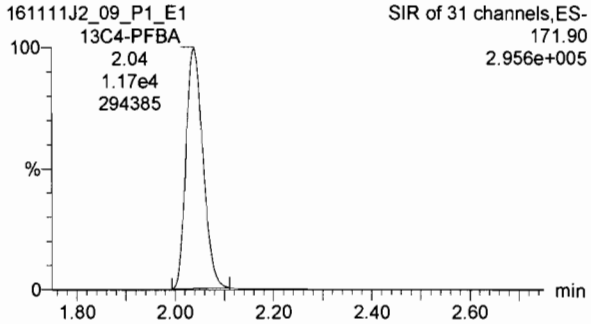

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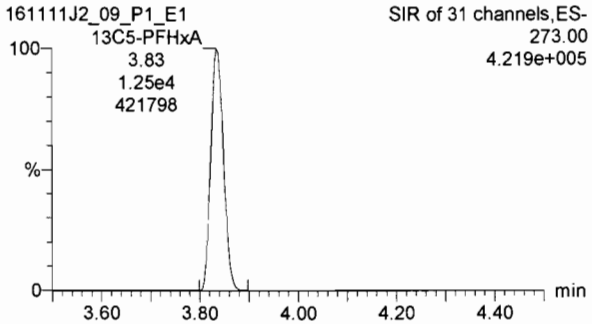

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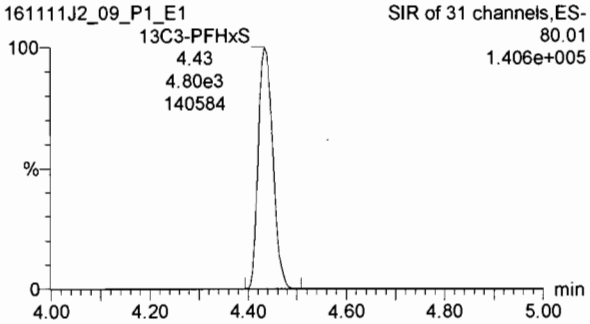

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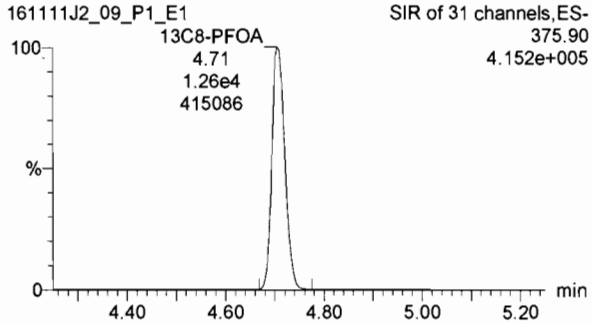

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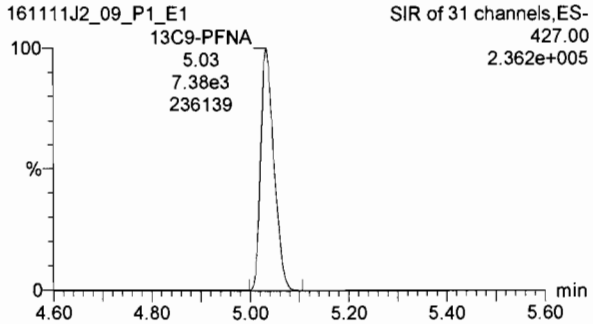

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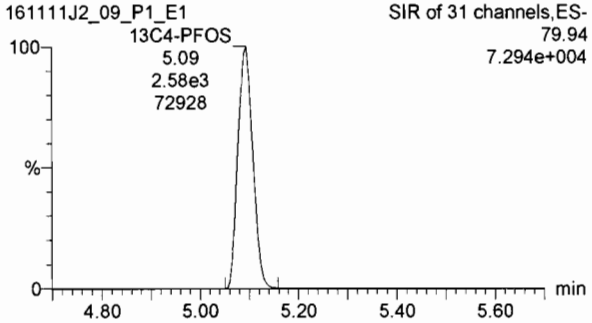

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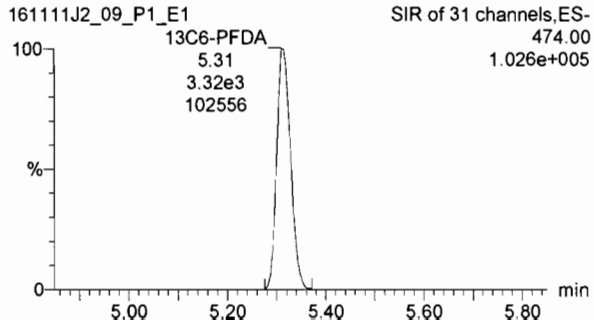

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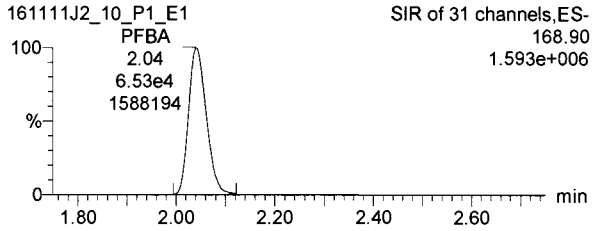

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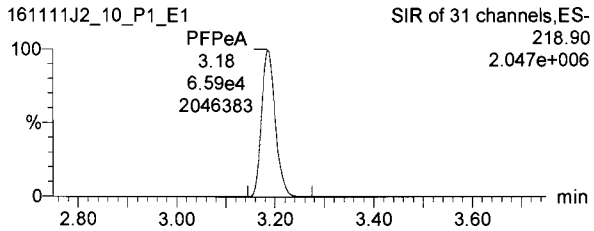

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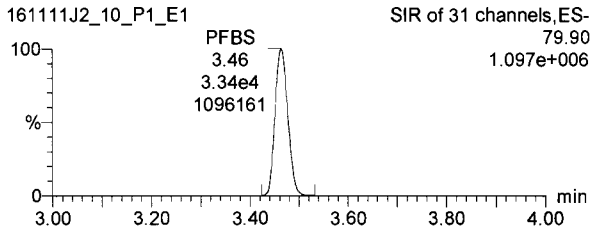

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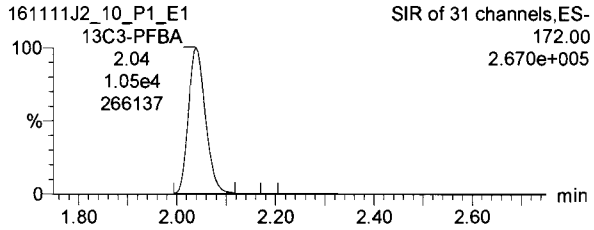

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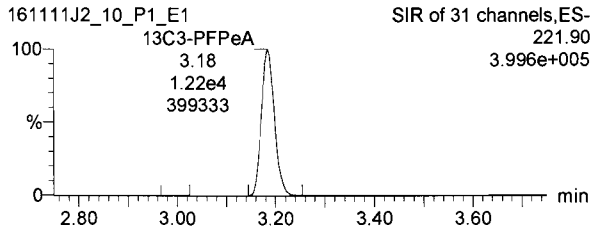

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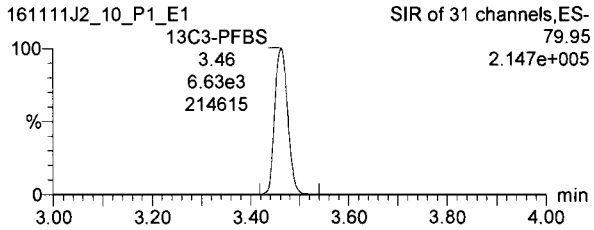

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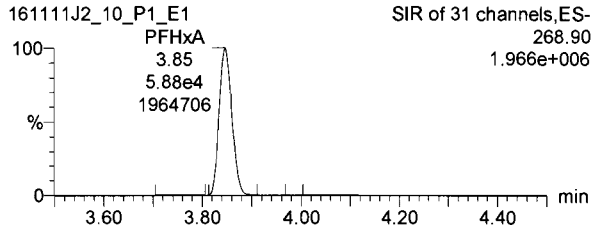

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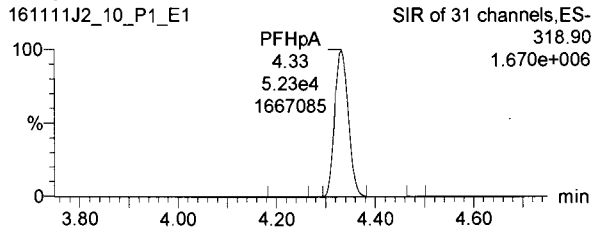

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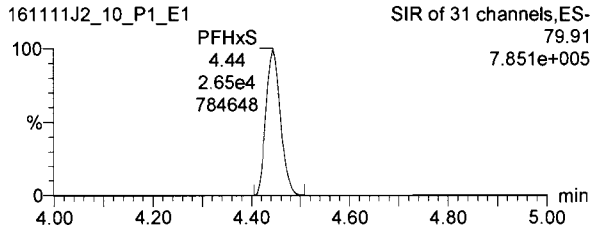

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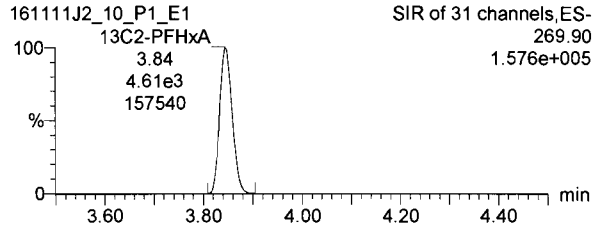

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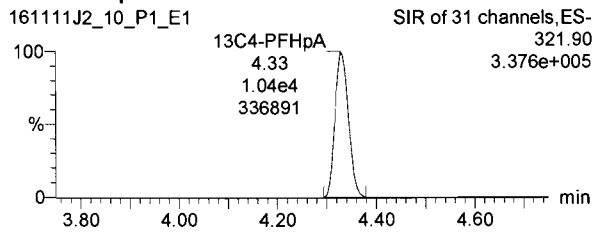

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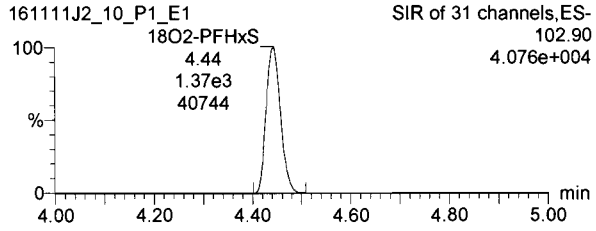

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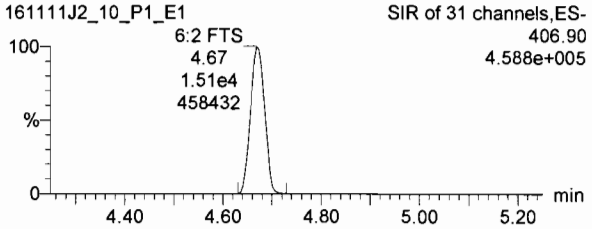

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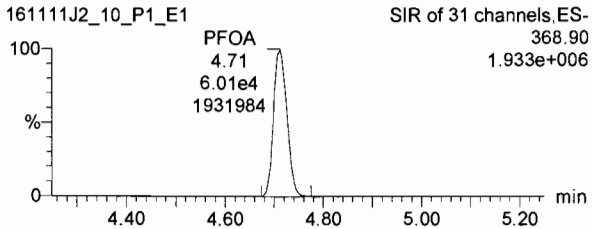

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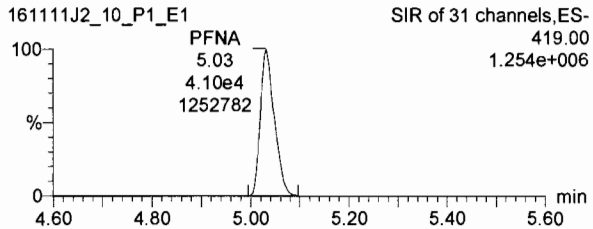

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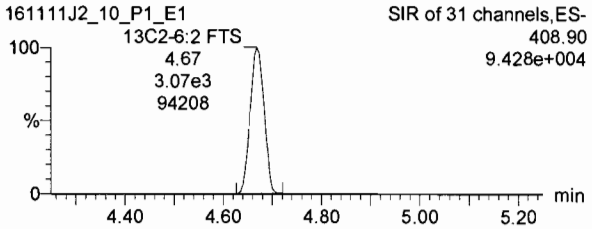

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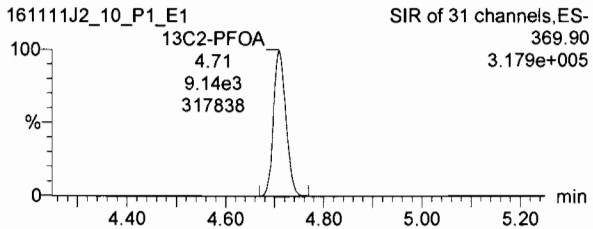

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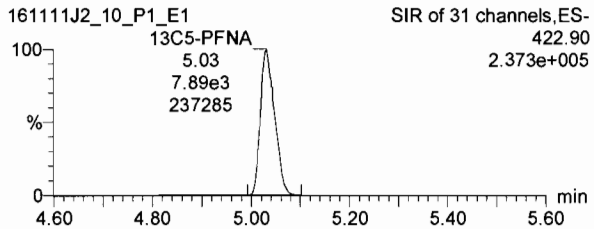

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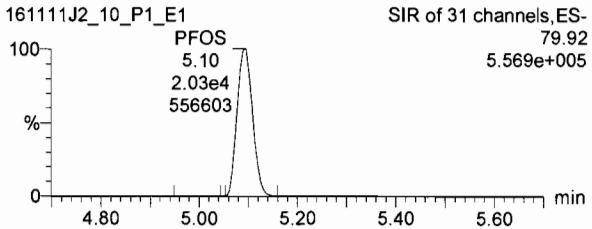

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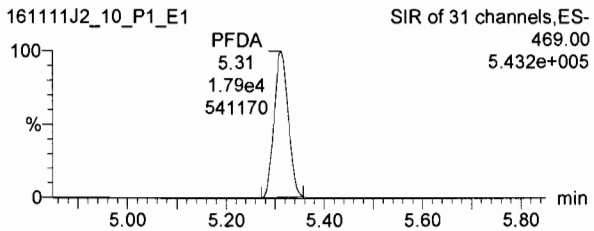

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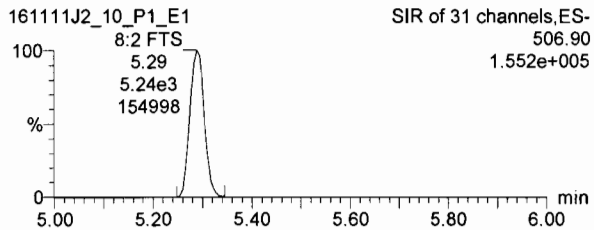

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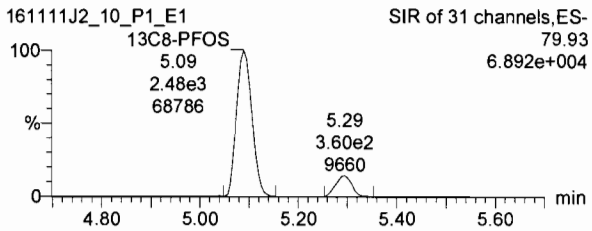

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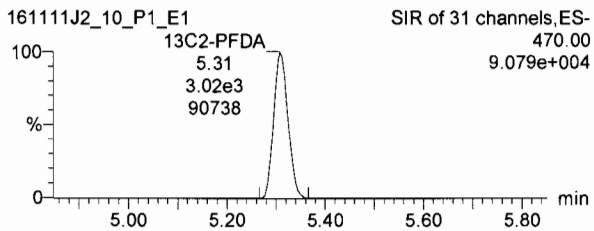
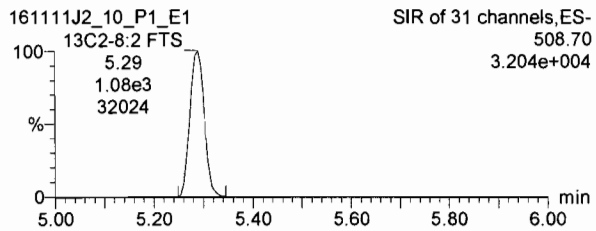


13C2-8:2 FTS



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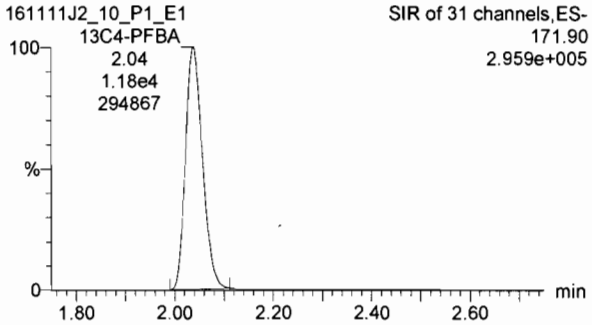
13C4-PFBA



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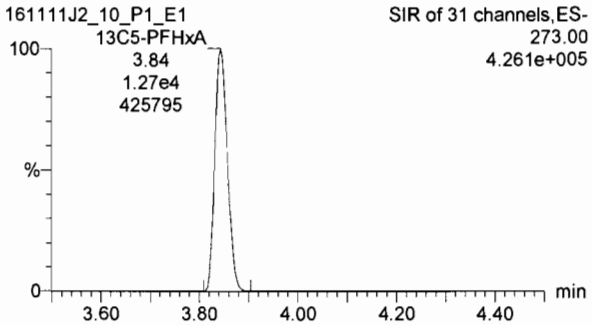
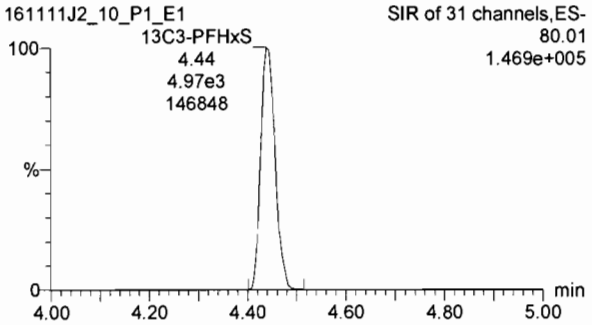


13C3-PFHxS



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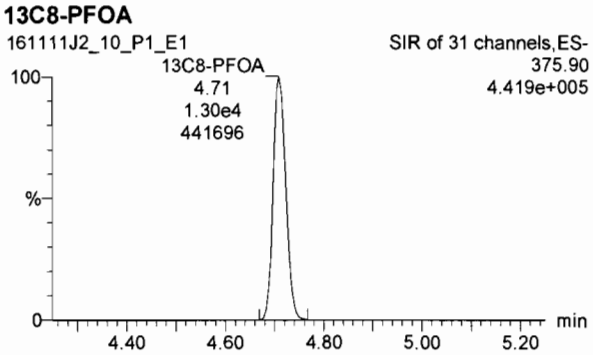

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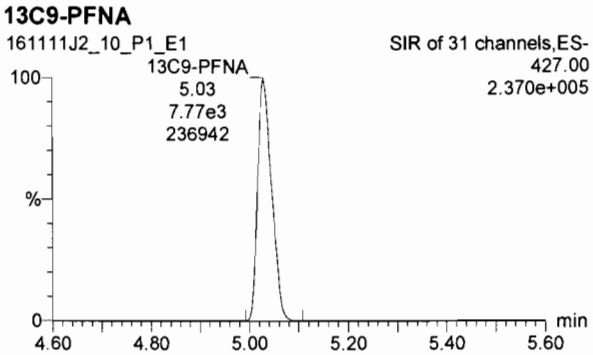

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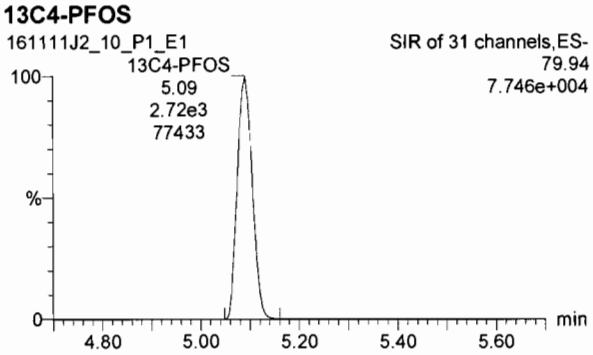

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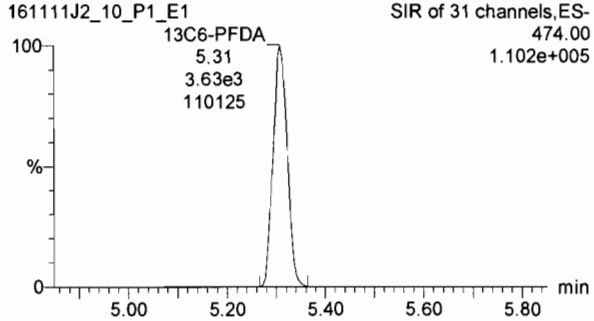

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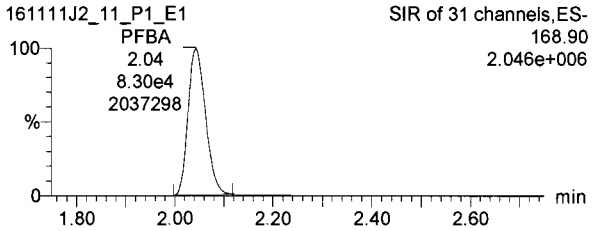

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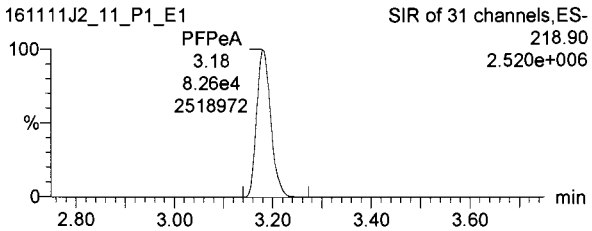

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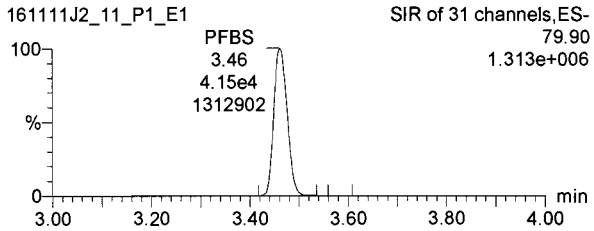

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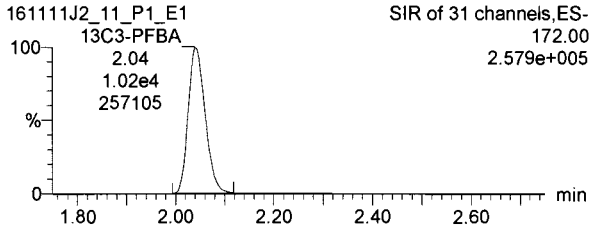

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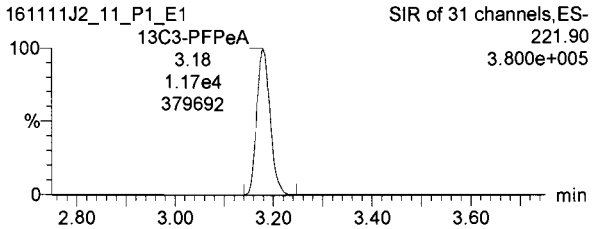

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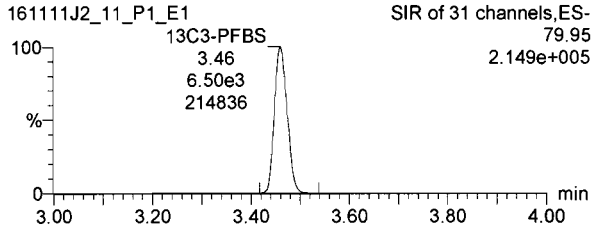

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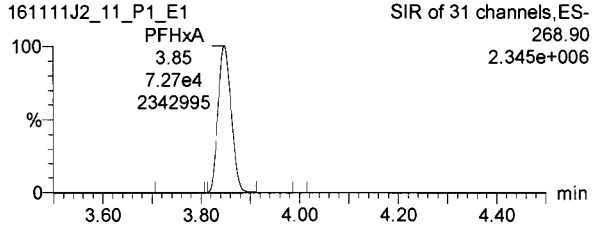

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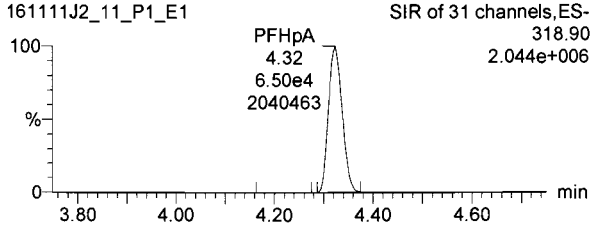

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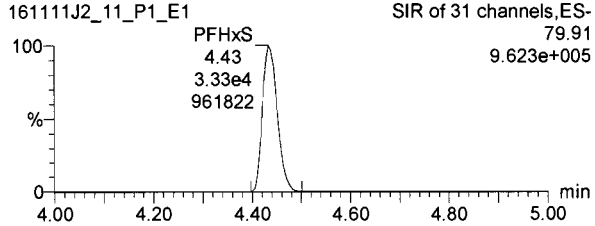

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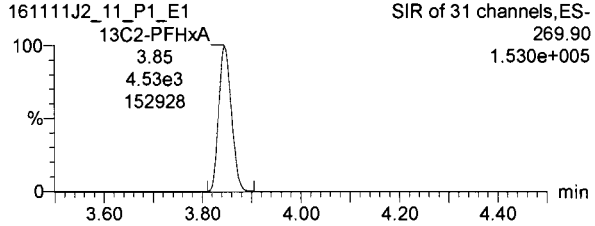

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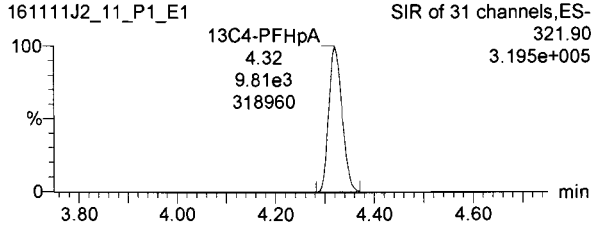
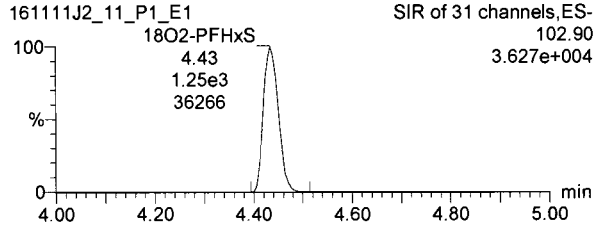


18O2-PFHxS



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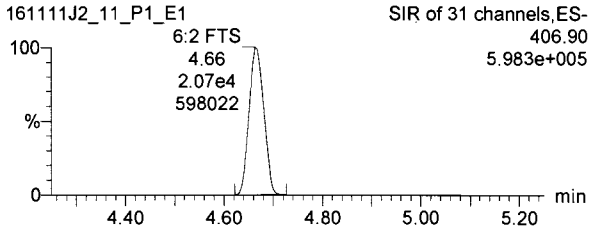
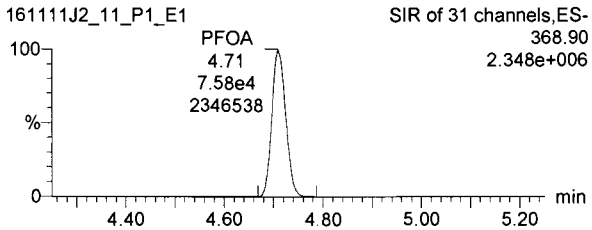
Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:55:05 Pacific Standard Time

Name: 161111J2_11.wiff, Date: 11-Nov-2016, Time: 18:29:38, ID: ST161111J2-10 PFC CS5 16K1123, Description: PFC CS5 16K1123 A

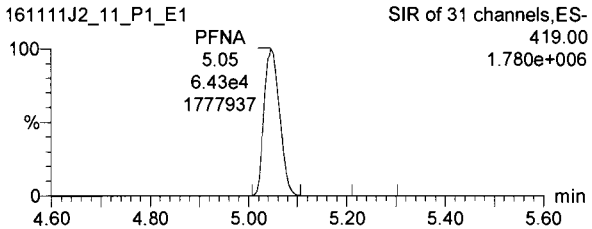
6:2 FTS



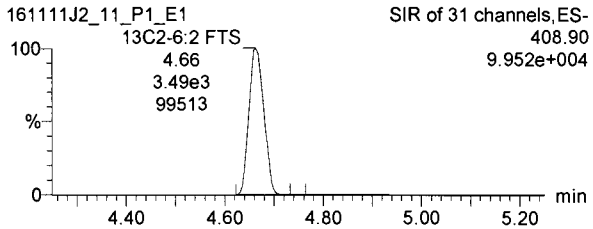
PFOA



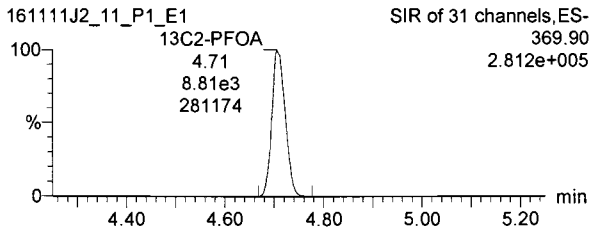
PFNA



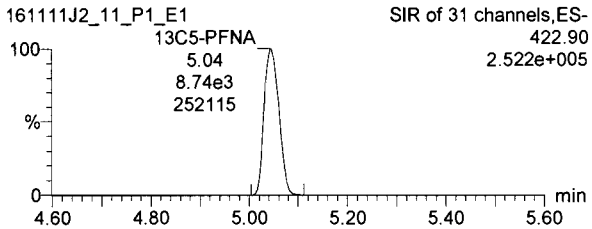
13C2-6:2 FTS



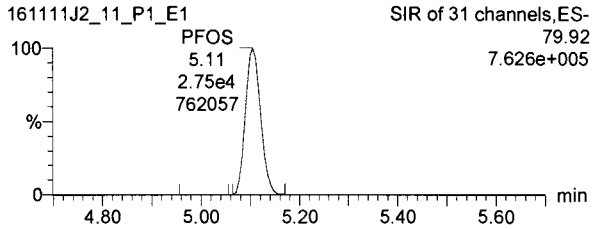
13C2-PFOA



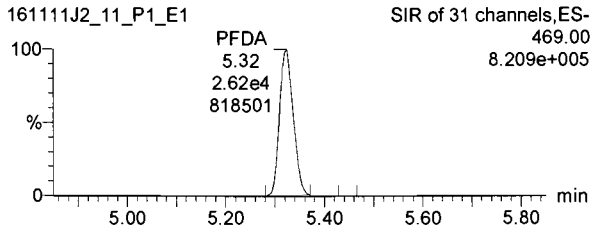
13C5-PFNA



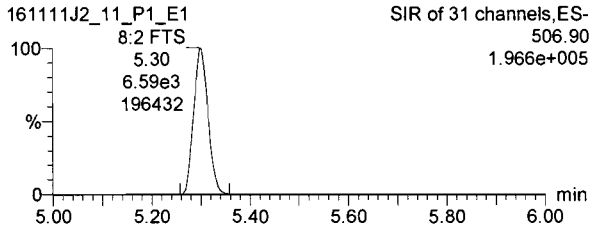
PFOS



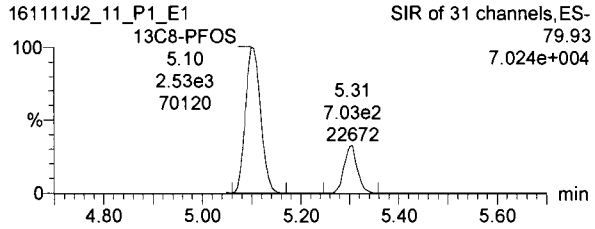
PFDA



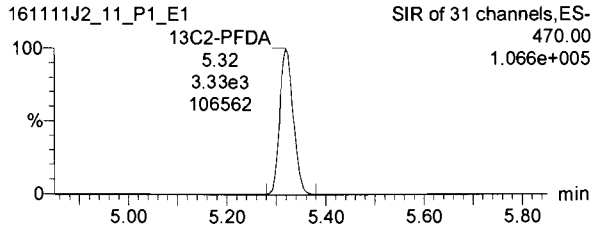
8:2 FTS



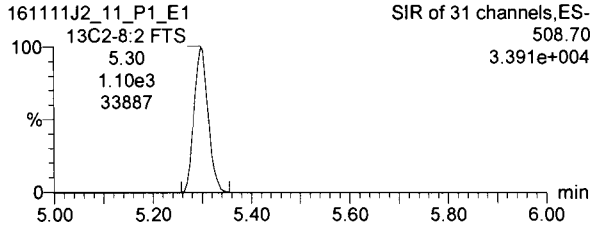
13C8-PFOS



13C2-PFDA



13C2-8:2 FTS

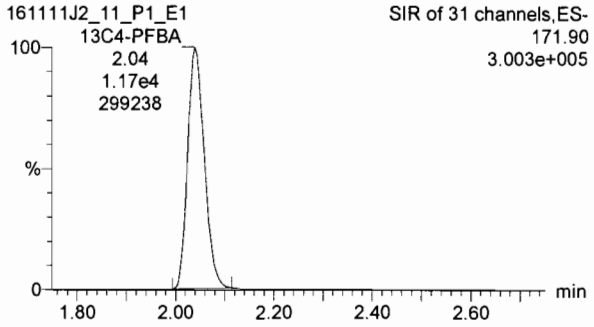


Dataset: U:\Q2.PRO\Results\161112J2\161111J2crv.qld

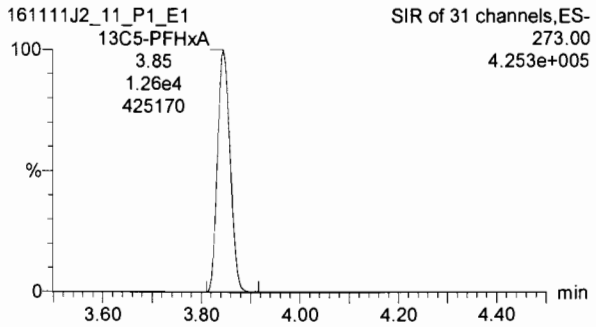
Last Altered: Saturday, November 12, 2016 10:51:18 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:55:05 Pacific Standard Time

Name: 161111J2_11.wiff, Date: 11-Nov-2016, Time: 18:29:38, ID: ST161111J2-10 PFC CS5 16K1123, Description: PFC CS5 16K1123 A

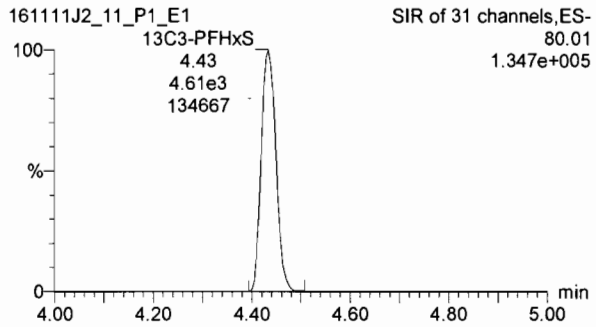
13C4-PFBA



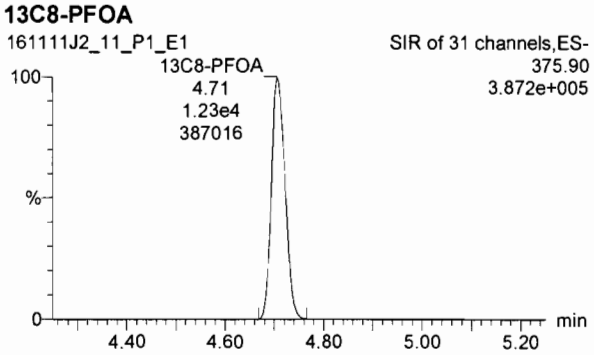
13C5-PFHxA



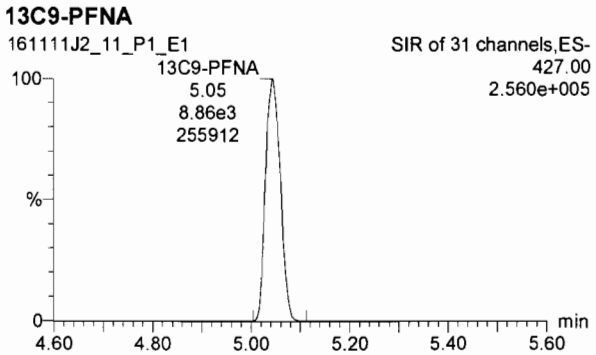
13C3-PFHxS



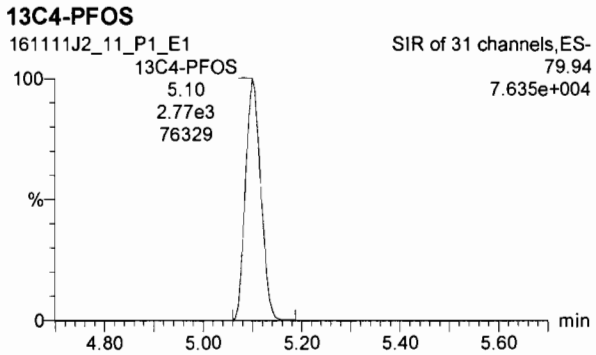
13C8-PFOA



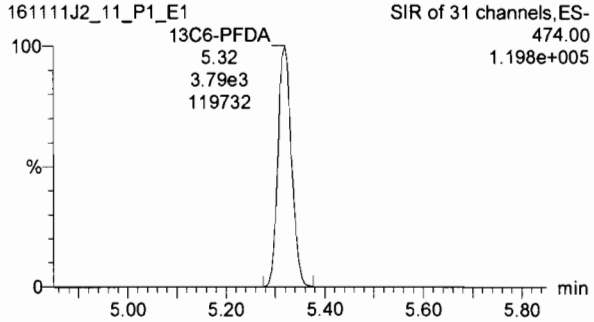
13C9-PFNA



13C4-PFOS



13C6-PFDA



Quantify Sample Summary Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161112J2\161111J2_13.qld

Last Altered: Saturday, November 12, 2016 10:56:35 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:57:30 Pacific Standard Time

Method: U:\Q2.PRO\MethDB\PFC List 18_A No4-2FTS_Mixed.mdb 12 Nov 2016 10:51:05
Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

Name: 161111J2_13.wiff, Date: 11-Nov-2016, Time: 18:54:07, ID: SS161111J2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

	#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec	
1	1	PFBA	168.90	2.48e4	1.03e4		1.000	2.04	28.7	114.7	
2	2	PFPeA	218.90	1.94e4	1.18e4		1.000	3.19	22.5	89.8	
3	3	PFBS	79.90	1.14e4	6.55e3		1.000	3.46	27.8	111.0	
4	4	PFHxA	268.90	2.23e4	4.41e3		1.000	3.85	29.6	118.3	
5	5	PFHpA	318.90	1.86e4	8.83e3		1.000	4.33	31.2	125.0	
6	6	PFHxS	79.91	7.07e3	1.18e3		1.000	4.44	23.1	92.5	114.1 A
7	7	6:2 FTS	406.90	4.53e3	2.56e3		1.000	4.67	24.3	97.0	
8	8	PFOA	368.90	1.62e4	7.16e3		1.000	4.71	22.5	90.2	114.2 A
9	9	PFNA	419.00	1.27e4	6.10e3		1.000	5.03	28.8	115.2	
10	10	PFOS	79.92	4.58e3	2.00e3		1.000	5.09	22.7	90.9	115.4 A
11	11	PFDA	469.00	4.57e3	1.88e3		1.000	5.31	30.0	120.2	
12	12	8:2 FTS	506.90	1.13e3	5.74e2		1.000	5.29	23.9	95.5	
13	13	13C3-PFBA	172.00	1.03e4	1.15e4	0.894	1.000	2.04	12.6	100.4	
14	14	13C3-PFPeA	221.90	1.18e4	1.22e4	0.945	1.000	3.19	12.9	102.8	
15	15	13C3-PFBS	79.95	6.55e3	1.22e4	0.531	1.000	3.46	12.7	101.5	
16	16	13C2-PFHxA	269.90	4.41e3	1.22e4	0.905	1.000	3.85	5.01	100.2	
17	17	13C4-PFHpA	321.90	8.83e3	1.22e4	0.770	1.000	4.32	11.8	94.4	
18	18	18O2-PFHxS	102.90	1.18e3	4.46e3	0.276	1.000	4.44	12.0	95.8	
19	19	13C2-6:2 FTS	408.90	2.56e3	1.16e4	0.219	1.000	4.67	12.6	100.9	
20	20	13C2-PFOA	369.90	7.16e3	1.16e4	0.663	1.000	4.71	11.6	93.1	
21	21	13C5-PFNA	422.90	6.10e3	6.12e3	1.019	1.000	5.03	12.2	97.8	
22	22	13C8-PFOS	79.93	2.00e3	2.16e3	0.921	1.000	5.09	12.6	100.7	
23	23	13C2-PFDA	470.00	1.88e3	2.28e3	0.887	1.000	5.31	11.6	92.8	
24	24	13C2-8:2 FTS	508.70	5.74e2	2.28e3	0.272	1.000	5.29	11.6	92.4	
25	25	13C4-PFBA	171.90	1.15e4	1.15e4	1.000	1.000	2.04	12.5	100.0	
26	26	13C5-PFHxA	273.00	1.22e4	1.22e4	1.000	1.000	3.84	12.5	100.0	
27	27	13C3-PFHxS	80.01	4.46e3	4.46e3	1.000	1.000	4.44	12.5	100.0	
28	28	13C8-PFOA	375.90	1.16e4	1.16e4	1.000	1.000	4.71	12.5	100.0	
29	29	13C4-PFOS	79.94	2.16e3	2.16e3	1.000	1.000	5.09	12.5	100.0	
30	30	13C9-PFNA	427.00	6.12e3	6.12e3	1.000	1.000	5.03	12.5	100.0	
31	31	13C6-PFDA	474.00	2.28e3	2.28e3	1.000	1.000	5.30	12.5	100.0	

Limits
75-125

PW
11/12/16

Dataset: U:\Q2.PRO\Results\161112J2\161111J2_13.qld

Last Altered: Saturday, November 12, 2016 10:56:35 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:57:30 Pacific Standard Time

Name: 161111J2_13.wiff, Date: 11-Nov-2016, Time: 18:54:07, ID: SS161111J2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

	# Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	32 Total PFBS	79.90		6.55e3		1.000		27.8	
33	33 Total PFHxS	79.91		1.18e3		1.000		28.0	
34	34 Total PFOA	368.90		7.16e3		1.000		26.5	
35	35 Total PFOS	79.92		2.00e3		1.000		32.1	

Quantify Totals Report MassLynx 4.1 SCN815
Vista Analytical Laboratory Q1

Dataset: U:\Q2.PRO\Results\161112J2\161111J2_13.qld

Last Altered: Saturday, November 12, 2016 10:56:35 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:57:30 Pacific Standard Time

Method: U:\Q2.PRO\MethDB\PFC List 18_A No4-2FTS_Mixed.mdb 12 Nov 2016 10:51:05
Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

Name: 161111J2_13.wiff, Date: 11-Nov-2016, Time: 18:54:07, ID: SS161111J2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

Total PFBS

	#	Name	Trace	RT	Area	IS Area	Conc.
1	3	PFBS	79.90	3.46	1.14e4	6.55e3	27.8

Total PFHxS

	#	Name	Trace	RT	Area	IS Area	Conc.
1	6	PFHxS	79.91	4.44	7.07e3	1.18e3	23.1
2	33	Total PFHxS	79.91	4.34	1.49e3	1.18e3	4.87

Total PFOA

	#	Name	Trace	RT	Area	IS Area	Conc.
1	8	PFOA	368.90	4.71	1.62e4	7.16e3	22.5
2	34	Total PFOA	368.90	4.62	2.98e3	7.16e3	3.96

Total PFOS

	#	Name	Trace	RT	Area	IS Area	Conc.
1	10	PFOS	79.92	5.09	4.58e3	2.00e3	22.7
2	35	Total PFOS	79.92	5.01	1.83e3	2.00e3	9.01
3	35	Total PFOS	79.92	4.89	8.54e1	2.00e3	0.328

Vista Analytical Laboratory Q2

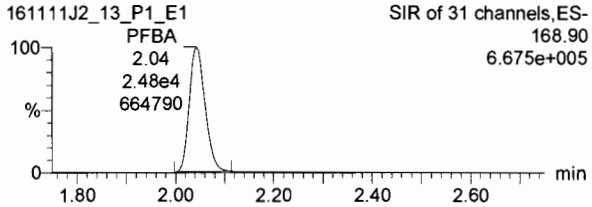
Dataset: U:\Q2.PRO\Results\161112J2\161111J2_13.qld

Last Altered: Saturday, November 12, 2016 10:56:35 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:57:42 Pacific Standard Time

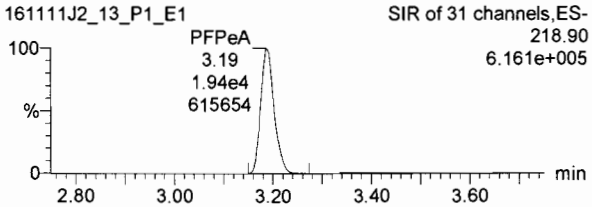
Method: U:\Q2.PRO\MethDB\PFC List 18_A No4-2FTS_Mixed.mdb 12 Nov 2016 10:51:05
Calibration: U:\Q2.PRO\CurveDB\C18_VAL-PFC_Q2_11-11-16_L18_A.cdb 12 Nov 2016 10:16:40

Name: 161111J2_13.wiff, Date: 11-Nov-2016, Time: 18:54:07, ID: SS161111J2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

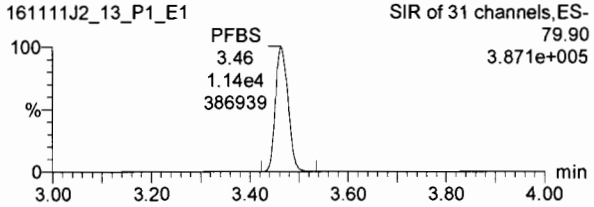
PFBA



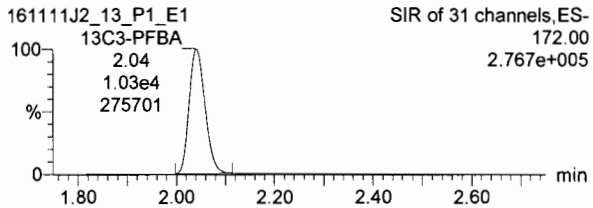
PFPeA



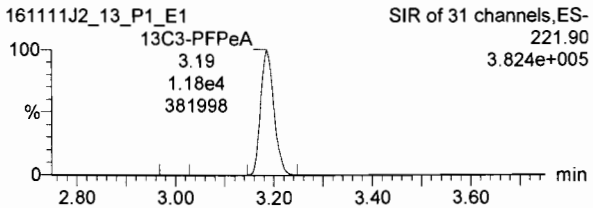
PFBS



13C3-PFBA



13C3-PFPeA



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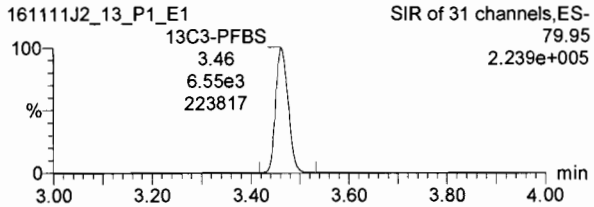
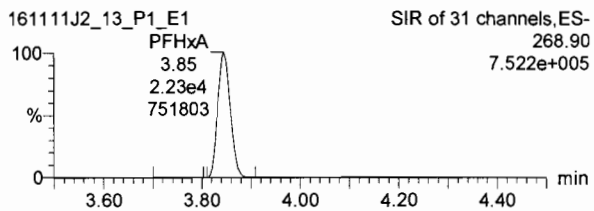
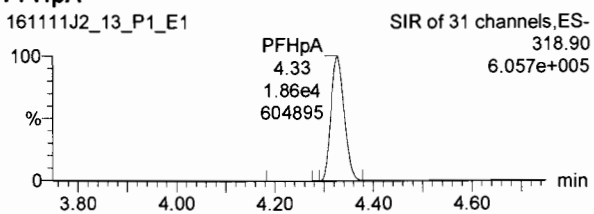


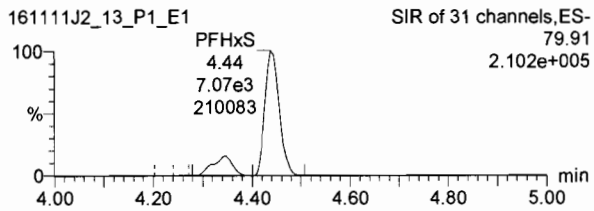
PFHxA



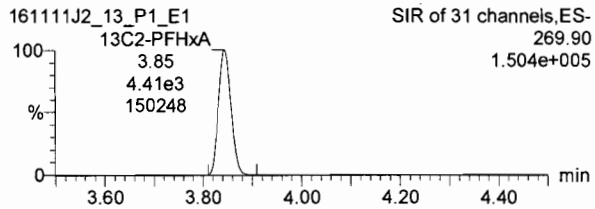
PFHpA



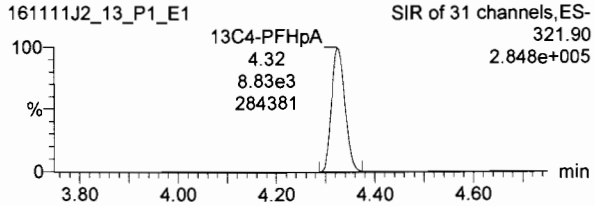
PFHxS



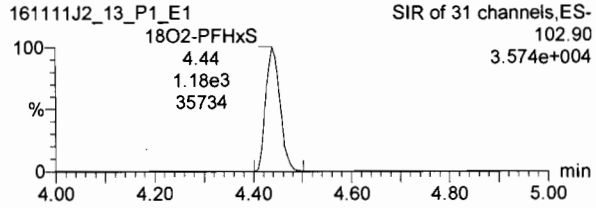
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

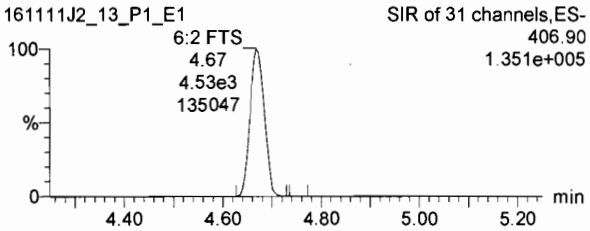


Dataset: U:\Q2.PRO\Results\161112J2\161111J2_13.qld

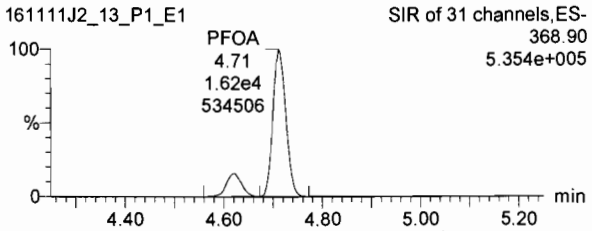
Last Altered: Saturday, November 12, 2016 10:56:35 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:57:42 Pacific Standard Time

Name: 161111J2_13.wiff, Date: 11-Nov-2016, Time: 18:54:07, ID: SS161111J2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

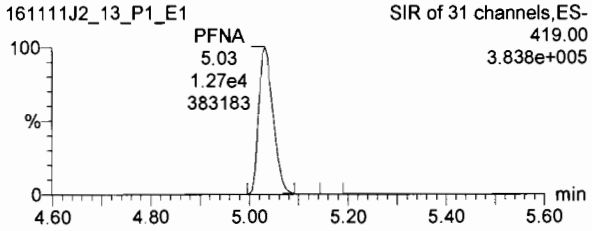
6:2 FTS



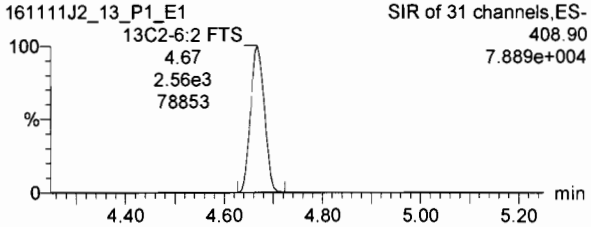
PFOA



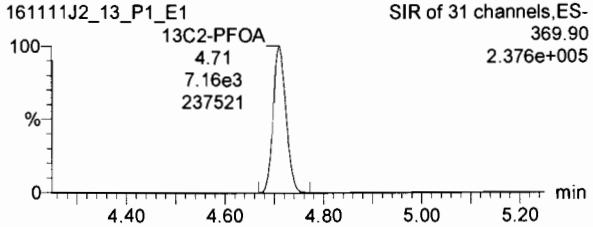
PFNA



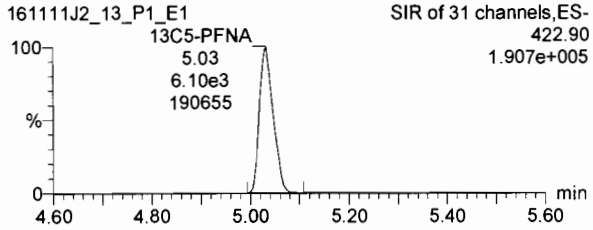
13C2-6:2 FTS



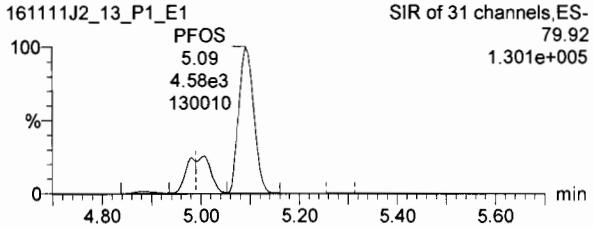
13C2-PFOA



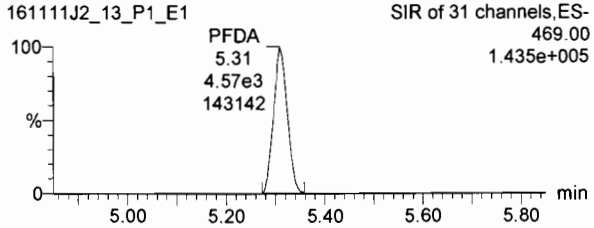
13C5-PFNA



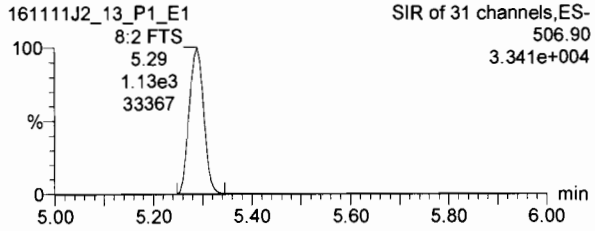
PFOS



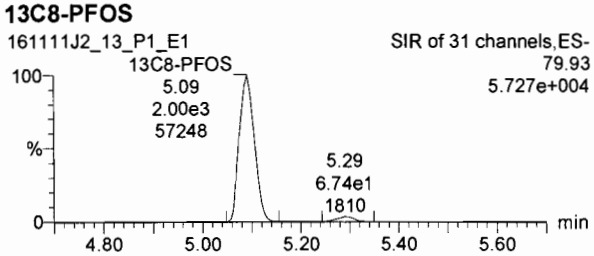
PFDA



8:2 FTS



13C8-PFOS



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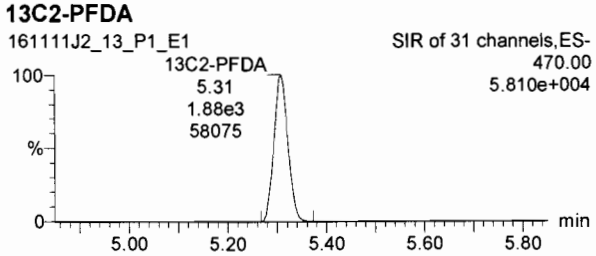
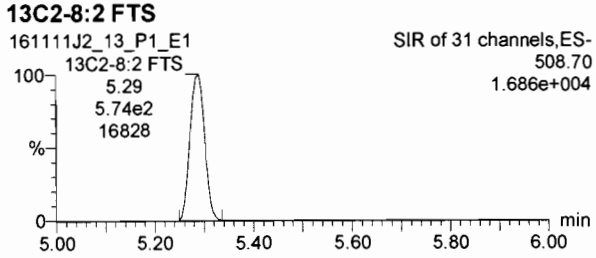


13C2-8:2 FTS



TargetLynx - 161111J2_13.qld

File Edit View Display Processing Window Help

161111J2_13_P1_E1 - SS161111J2-1 PFC SSS 16J1810 - PFC SSS 16J1810 A

	Name	Trace	Area	RRF	%Vol.	Pred RT	RT	Conc.	>MDL	%Rec	DL
13	13C3-PFBA	172.00	1.03e4	0.894	1.000	2.04	2.04	12.6	YES	100.4	0.0045669
14	13C3-PFPeA	221.90	1.18e4	0.945	1.000	3.22	3.19	12.9	YES	102.8	0.0024541
15	13C3-PFBS	79.95	6.55e3	0.531	1.000	3.47	3.46	12.7	NO	101.5	0.0026271
16	13C2-PFHxA	269.90	4.41e3	0.905	1.000	3.84	3.85	5.01	YES	100.2	0.0008500
17	13C4-PFHpA	321.90	8.83e3	0.770	1.000	4.32	4.32	11.8	NO	94.4	0.0016505
18	18O2-PFHxS	102.90	1.18e3	0.276	1.000	4.44	4.44	12.6	NO	95.8	0.0007519
19	13C2-6:2 FTS	408.90	2.56e3	0.219	1.000	4.67	4.67	12.6	YES	100.9	0.0013929
20	13C2-PFOA	369.90	7.16e3	0.663	1.000	4.71	4.71	11.6	NO	93.1	0.0025245
21	13C5-PFNA	422.90	6.10e3	1.02	1.000	5.03	5.03	12.2	NO	97.8	0.0000000
22	13C8-PFOS	79.93	2.00e3	0.921	1.000	5.09	5.09	12.6	NO	100.7	0.0000000
23	13C2-PFDA	470.00	1.88e3	0.887	1.000	5.30	5.31	11.6	YES	92.8	0.0027452
24	13C2-8:2 FTS	508.70	5.74e2	0.272	1.000	5.26	5.29	11.6	YES	92.4	0.0081746
25	13C4-PFBA	171.90	1.15e4	1.00	1.000	2.03	2.04	12.5	YES	100.0	0.0028244
26	13C5-PFHxA	273.00	1.22e4	1.00	1.000	3.83	3.84	12.5	NO	100.0	0.0003769
27	13C3-PFHxS	80.01	4.46e3	1.00	1.000	4.43	4.44	12.5	NO	100.0	0.0019699
28	13C8-PFOA	375.90	1.16e4	1.00	1.000	4.71	4.71	12.5	NO	100.0	0.0008556
29	13C4-PFOS	79.94	2.16e3	1.00	1.000	5.15	5.09	12.5	NO	100.0	0.0015666
30	13C9-PFNA	427.00	6.12e3	1.00	1.000	5.15	5.03	12.5	NO	100.0	0.0007206
31	13C6-PFDA	474.00	2.28e3	1.00	1.000	5.33	5.30	12.5	YES	100.0	0.0111878
32	Total PFBS	79.90	1.14e4		1.000	3.59		27.8	NO		
33	Total PFHxS	79.91	8.56e3		1.000	4.66		28.0	NO		
34	Total PFOA	368.90	1.92e4		1.000	4.82		26.5	NO		
35	Total PFOS	79.92	6.46e3		1.000	5.27		32.1	NO		

Chromatogram

161111J2_13_P1_E1 Smooth(Mn,1x2)
PFC SSS 16J1810 A SS161111J2-1 PFC SSS 16J1810

Total PFOS
4.89
85.44
8.54e1
2133
bd
235.78

SIR of 31 channels,ES-
79.92
4.527e+003

161111J2_13_P1_E1 Smooth(Mn,1x2)
PFC SSS 16J1810 A SS161111J2-1 PFC SSS 16J1810

13C8-PFOS;5.09,2003.96;2.00e3;57248;bb

5.29

SIR of 31 channels,ES-
79.93
5.727e+004

Ready

161111J2_13_P1_E1

NUM

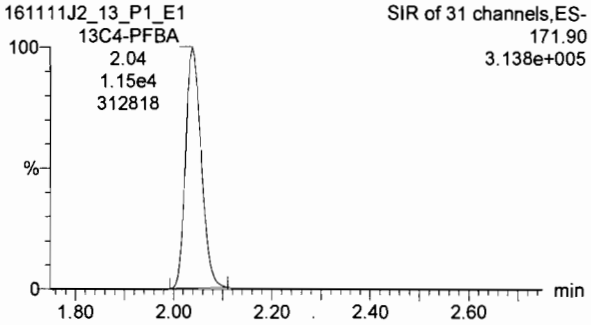
Quantify Sample Report **MassLynx 4.1 SCN815**
Vista Analytical Laboratory Q2

Dataset: U:\Q2.PRO\Results\161112J2\161111J2_13.qld

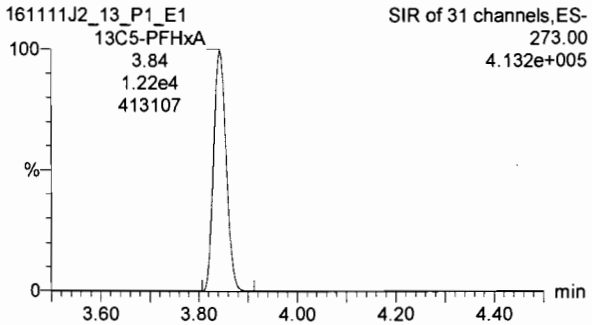
Last Altered: Saturday, November 12, 2016 10:56:35 Pacific Standard Time
Printed: Saturday, November 12, 2016 10:57:42 Pacific Standard Time

Name: 161111J2_13.wiff, Date: 11-Nov-2016, Time: 18:54:07, ID: SS161111J2-1 PFC SSS 16J1810, Description: PFC SSS 16J1810 A

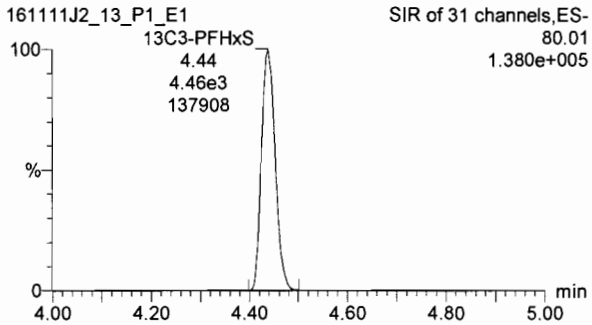
13C4-PFBA



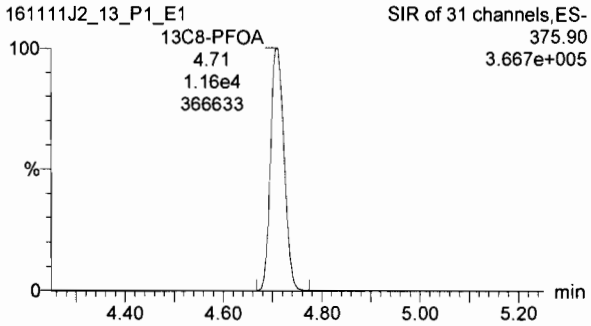
13C5-PFHxA



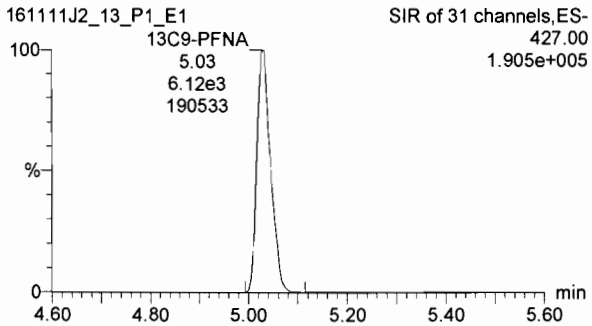
13C3-PFHxS



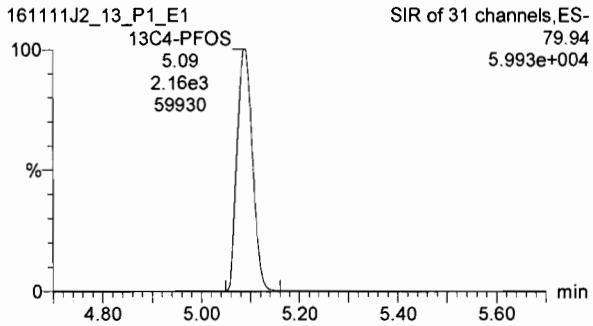
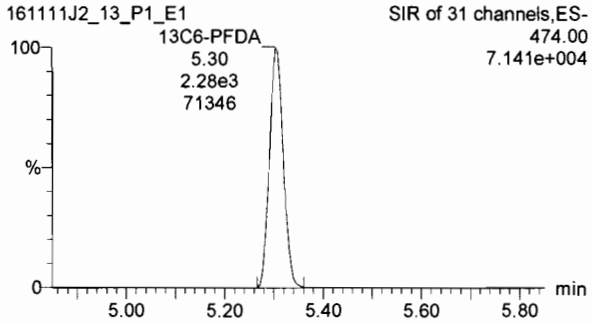
13C8-PFOA



13C9-PFNA



13C4-PFOS



13C6-PFDA