



**Groundwater Sample Results,  
Combined Level 2 and Level 4 Laboratory Report,  
Electronic Data Deliverable, Data Validation Report,  
and the Sample Location Report, SDG 1500410**

*Marine Corps Recruit Depot Parris Island  
South Carolina*

August 2019

M00263.SF.001647  
MCRD PARRIS ISLAND  
5090.3c

LABORATORY DATA PACKAGE, 1500410, MCRD PARRIS ISLAND SC  
5/22/2015  
VISTA ANALYTICAL LABORATORY

May 22, 2015

**Vista Project I.D.: 1500410**

Ms. Peggy Churchill  
Tetra Tech Inc.  
11 Riverside Drive, Suite 206  
Cocoa, FL 32922

Dear Ms. Churchill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 06, 2015. This sample set was analyzed on a standard turn-around time, under your Project Name '112G01509'.

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](mailto:mmaier@vista-analytical.com).

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

Sincerely,

Martha Maier  
Laboratory Director



*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC 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. 1500410**

**Case Narrative**

**Sample Condition on Receipt:**

Two soil 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.

**Analytical Notes:**

**VAL-PFAS**

The solid samples were extracted and analyzed for PFOA and PFOS using VAL Method PFAS.

**Holding Times**

The samples were extracted and analyzed within the 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 the LOD. The OPR recoveries were within the method acceptance criteria.

The recoveries of all internal standards for the QC and field samples were within the acceptance criteria.

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# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
1500410-01	PA104-SB28-0608	03-May-15 12:30	06-May-15 08:56	HDPE Bottle
1500410-02	PA113C-SB11-0103	04-May-15 11:15	06-May-15 08:56	HDPE Bottle

## **ANALYTICAL RESULTS**

Sample ID: Method Blank					VAL - PFAS			
Matrix: Solid		QC Batch: B5E0032			Lab Sample: B5E0032-BLK1			
Sample Size: 1.00 g		Date Extracted: 07-May-2015 15:31			Date Analyzed: 08-May-15 23:22	Column: BEH C18	Analyst: AC	
Analyte	Conc. (ng/g)	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFOS	ND	0.500	1.00		IS 13C2-PFOA	114	60 - 150	
PFOA	ND	0.500	1.00		IS 13C8-PFOS	104	60 - 150	

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to the LOD.



**Sample ID: OPR**

**VAL - PFAS**

Matrix: Solid	QC Batch: B5E0032	Lab Sample: B5E0032-BS1					
Sample Size: 1.00 g	Date Extracted: 07-May-2015 15:31	Date Analyzed: 08-May-15 23:09 Column: BEH C18 Analyst: AC					
Analyte	Amt Found (ng/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PFOS	2.11	2.00	106	50 - 150	IS 13C2-PFOA	109	60 - 150
PFOA	2.02	2.00	101	70 - 130	IS 13C8-PFOS	100	60 - 150

LCL-UCL - Lower control limit - upper control limit

**Sample ID: PA104-SB28-0608****VAL - PFAS**

Client Data		Sample Data		Laboratory Data				
Name:	Tetra Tech Inc.	Matrix:	Soil	Lab Sample:	1500410-01	Date Received:	06-May-2015 8:56	
Project:	112G01509	Sample Size:	1.46 g	QC Batch:	B5E0032	Date Extracted:	07-May-2015 15:31	
Date Collected:	03-May-2015 12:30	% Solids:	77.6	Date Analyzed:	08-May-15 23:35	Column:	BEH C18 Analyst: AC	
Location:	SB28				12-May-15 18:46	Column:	BEH C18 Analyst: AC	
Analyte	Conc. (ng/g)	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFOS	0.541	0.441	0.883	J	IS 13C2-PFOA	95.3	60 - 150	
PFOA	2.04	0.441	0.883		IS 13C8-PFOS	62.1	60 - 150	

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to the LOD.

**Sample ID: PA113C-SB11-0103****VAL - PFAS**

Client Data		Sample Data		Laboratory Data				
Name:	Tetra Tech Inc.	Matrix:	Soil	Lab Sample:	1500410-02	Date Received:	06-May-2015 8:56	
Project:	112G01509	Sample Size:	1.53 g	QC Batch:	B5E0032	Date Extracted:	07-May-2015 15:31	
Date Collected:	04-May-2015 11:15	% Solids:	56.9	Date Analyzed:	08-May-15 23:47	Column:	BEH C18 Analyst: AC	
Location:	SB11				12-May-15 18:59	Column:	BEH C18 Analyst: AC	
Analyte	Conc. (ng/g)	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFOS	4.31	0.575	1.15		IS 13C2-PFOA	90.9	60 - 150	
PFOA	ND	0.575	1.15		IS 13C8-PFOS	67.1	60 - 150	

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to the LOD.

## DATA QUALIFIERS & ABBREVIATIONS

<b>B</b>	<b>This compound was also detected in the method blank.</b>
<b>D</b>	<b>Dilution</b>
<b>E</b>	<b>The associated compound concentration exceeded the calibration range of the instrument.</b>
<b>H</b>	<b>Recovery and/or RPD was outside laboratory acceptance limits.</b>
<b>I</b>	<b>Chemical Interference</b>
<b>J</b>	<b>The amount detected is below the Lower Calibration Limit of the instrument.</b>
<b>*</b>	<b>See Cover Letter</b>
<b>Conc.</b>	<b>Concentration</b>
<b>DL</b>	<b>Sample-specific estimated detection limit</b>
<b>MDL</b>	<b>The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.</b>
<b>EMPC</b>	<b>Estimated Maximum Possible Concentration</b>
<b>NA</b>	<b>Not applicable</b>
<b>RL</b>	<b>Reporting Limit – concentrations that correspond to low calibration point</b>
<b>ND</b>	<b>Not Detected</b>
<b>TEQ</b>	<b>Toxic Equivalency</b>

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

## CERTIFICATIONS

<b>Accrediting Authority</b>	<b>Certificate Number</b>
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
Michigan Department of Natural Resources	9932
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
North Carolina Department of Health & Human Services	06700
Oregon Laboratory Accreditation Program	4042-003
Pennsylvania Department of Environmental Protection	011
South Carolina Department of Health	87002001
Tennessee Department of Environment & Conservation	TN02996
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	3138
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160



TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER N<sup>o</sup> 927853

1500410  
1.0<sup>th</sup>

PAGE 1 OF 1

PROJECT NO: 112601509		FACILITY: Parris Island		PROJECT MANAGER P. Churchill		PHONE NUMBER 321-636-6470		LABORATORY NAME AND CONTACT: Martha Mizer/Vista Analytical Lab			
SAMPLERS (SIGNATURE) 		FIELD OPERATIONS LEADER S-Hill		PHONE NUMBER 973-607-7988		ADDRESS 1104 Windfield Way		CITY, STATE El Dorado Hills, CA 95762			
STANDARD TAT <input checked="" type="checkbox"/> RUSH TAT <input type="checkbox"/>		CONTAINER TYPE PLASTIC (P) or GLASS (G)		PRESERVATIVE USED		TYPE OF ANALYSIS PFCA/PFOA 4°C G		COMMENTS			
<input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day		MATRIX (GW, SO, SW, SD, QC, ETC.)		COLLECTION METHOD GRAB (G) COMP (C)							
DATE YEAR	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS			
5/5/15	1230	PA104-SB28-0608	SB28	6	8	SO	G	1	1		
5/5/15	1115	PA113C-SB11-0103	SB11	1	3	SO	G	1	1		
1. RELINQUISHED BY 		DATE 5/5/15	TIME 1700	1. RECEIVED BY Fed Ex		DATE 5/5/15	TIME 1700				
2. RELINQUISHED BY FedEx		DATE	TIME	2. RECEIVED BY Ditta Benedict		DATE 05/06/15	TIME 0858				
3. RELINQUISHED BY		DATE	TIME	3. RECEIVED BY		DATE	TIME				
COMMENTS											

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE)

YELLOW (FIELD COPY)

PINK (FILE COPY)

4/02R

### SAMPLE LOG-IN CHECKLIST



Vista Project #: 1500410 TAT SJD

Samples Arrival:	Date/Time <u>05/06/15 0856</u>	Initials: <u>BSB</u>	Location: <u>WR-2</u> Shelf/Rack: <u>N/A</u>
Logged In:	Date/Time <u>05/06/15 1343</u>	Initials: <u>BSB</u>	Location: <u>WR-2</u> Shelf/Rack: <u>A5</u>
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
	<input type="checkbox"/> Other		
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: <u>0.9</u> (uncorrected)	Time: <u>0857</u>		Thermometer ID: IR-1
Temp °C: <u>1.0</u> (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill	✓		
Trk # <u>8079 5480 8265</u>	✓		
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?			✓
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Preservation Documented?			None
Shipping Container	Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain <input type="checkbox"/> Return <input type="checkbox"/> Dispose

Comments:

## **EXTRACTION INFORMATION**



Process Sheet

Workorder: **1500410**

Prep Expiration: 05/17/2015  
Client: Tetra Tech Inc.

Workorder Due: **27-May-15 00:00**

TAT: 21

Method: VAL - PFAS <sup>2</sup> ~~2~~ Analyte List DOD (LOQ as mRL)  
Matrix: Solid

Prep Batch: BSE0032

Client Matrix: Soil  
Also run: Percent Solids

Prep Data Entered: BR 5/11/15  
Date and Initials

Initial Sequence: \_\_\_\_\_

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1500410-01	<input checked="" type="checkbox"/>	PA104-SB28-0608	06-May-15 08:56	WR-2 A-5	
1500410-02	<input checked="" type="checkbox"/>	PA113C-SB11-0103	06-May-15 08:56	WR-2 A-5	

**WO Comments: 14-day Hold Time.**  
**PFOA and PFOS only**

Vista PM:Martha Maier

Vial Box ID: \_\_\_\_\_

Sample Reconciled By: A. Clarke 5/7/15

Percent Moisture/ Percent Solids

D2216-90

BATCH ID

B5E0033

<b>Analyst:</b> AC	<b>Test Code:</b> %Moist/%Solids
<b>Analyte:</b> Dried at 110°C+/-5°C	<b>Units:</b> %

HRMS-2

Date/Time IN: 5/8/15 9:15  
Date/Time OUT: 5/11/15 14:48

B	C	D	E	F	G	H	K	M	N	O	P	
Pan #	SampID	Source ID	SampType	Initial and Date:	08 5/8/15	BR 5/11/15	Dry Sample Weight (g)	%Solids RawVal	pH Before	pH After	Acid Added	Cl-
				Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)						
	1500410-01		Sample	1.29	7.22	5.89			NA	NA	NA	NA
	1500410-02		Sample	1.28	7.33	4.72			✓	✓	✓	✓

Percent Moisture/ Percent Solids

D2216-90

BATCH ID

B5E0033

<b>Analyst:</b> AC	<b>Test Code:</b> %Moist/%Solids
<b>Analyte:</b> Dried at 110°C+/-5°C	<b>Units:</b> %

HRMS-2

<u>Date/Time IN:</u>	<u>Date/Time OUT:</u>
5/8/15 9:15	5/11/15 14:48

B		C	D	E		G		H	K	M	N	O	P
Pan #	SampID	Source ID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	NA			
				Pan Tare Wt. (gms)	ES 5/8/15					BR 5/11/15	pH Before	pH After	Acid Added
	1500410-01		Sample	1.2900	7.2200	5.8900	4.6000	77.57	NA	NA	NA	NA	
	1500410-02		Sample	1.2800	7.3300	4.7200	3.4400	56.86	NA	NA	NA	NA	

PREPARATION BENCH SHEET

Matrix: Solid

B5E0032

Chemist: A. Clarke

Method: VAL - PFAS 6 Analyte

Prepared using: LCMS - Sonication/SPE Extraction

Prep Date/Time: 07-May-15 15:31

C	VISTA Sample ID	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	NA	NA	C5E0031	RS CHEM/WIT DATE
					Pre-Ext	Extraction	SPE	
<input type="checkbox"/>	1500410-02	1.53	AC 5/7/15	N/A	AC 5/11/15	ED 5/8/15	ED 5/8/15	ED 5/8/15

IS Name 15D2703, 20µL	NS Name 15C1922, 10µL (V3)	CRS Name N/A	RS Name 15D2201, 20µL	Cycle Time NA	Ext SOLV: 1:1 MeOH/MeCN Strata XAW 330 SPE Chem: 200 mg/L/mL Ele SOLV: 0.5% NH4OH in MeOH	Check Out: AC 5/7/15 Chemist/Date: AC 5/7/15
				Stop Date/Time NA	Final Volume(s) 1 mL	Check In: <input checked="" type="checkbox"/> Chemist/Date: <input checked="" type="checkbox"/>
						Balance ID: HRMS-2

Comments:  Pre-ext. actually performed 5/7/15. AC 5/11/15

PREPARATION BENCH SHEET

Matrix: Solid

B5E0032

Chemist: A. Clarke

Method: VAL - PFAS 6 Analyte 1

Prepared using: LCMS - Sonication/SPE Extraction

Prep Date/Time: 07-May-15 15:31

C	VISTA Sample ID	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	NA	NA	C5E0031	RS
					Pre-Ext	Extraction	SPE	CHEM/WIT DATE
<input type="checkbox"/>	B5E0032-BLK1	(1.00)	AC 5/7/15	N/A	AC 5/11/15	ES 5/8/15	ES 5/8/15	ES 5/8/15
<input type="checkbox"/>	B5E0032-BS1	↓	↓	↓	↓	↓	↓	
<input type="checkbox"/>	B5E0032-DUP1 1400880-07RE4	1.42	↓	↓	↓	↓	↓	
<input type="checkbox"/>	B5E0032-DUP2 1400944-03RE1	1.11	↓	↓	↓	↓	↓	
<input type="checkbox"/>	B5E0032-DUP3 1400952-02RE1	1.19	↓	↓	↓	↓	↓	
<input type="checkbox"/>	B5E0032-DUP4 1500203-01RE4	1.15	↓	↓	↓	↓	↓	
<input type="checkbox"/>	B5E0032-DUP5 (A) 1500209-05RE5	3.03	↓	↓	↓	↓	↓	
<input type="checkbox"/>	B5E0032-MS1 1400880-07RE4	1.29	↓	↓	↓	↓	↓	
<input type="checkbox"/>	B5E0032-MSD1 1400880-07RE4	1.35	↓	↓	↓	↓	↓	
<input type="checkbox"/>	1400880-07RE4	1.29	↓	↓	↓	↓	↓	
<input type="checkbox"/>	1400944-03RE1	1.22	↓	↓	↓	↓	↓	
<input type="checkbox"/>	1400952-02RE1	1.55	↓	↓	↓	↓	↓	
<input type="checkbox"/>	1500203-01RE4	1.10	↓	↓	↓	↓	↓	
<input type="checkbox"/>	1500209-05RE5 (B)(C)	2.76	↓	↓	↓	↓	↓	
<input type="checkbox"/>	1500410-01	1.46	↓	↓	↓	↓	↓	

IS Name 15D2307, 20µL	NS Name 15C1922 10µL (V3)	CRS Name N/A	RS Name 15D2201, 20µL	Cycle Time NA	Ext SOLV: 1:1 MeOH/MeCN Start Date/Time NA	Check Out: AC 5/7/15 Chemist/Date: ↓
				Stop Date/Time NA	SPE Chem: 20mg/ml Ele SOLV: 0.5% N+40 in MeOH	Check In: ↓ Chemist/Date: ↓
					Final Volume(s) 1ml	Balance ID: HRMS-2

Comments: (A) Colored with brown precipitate at final volume. @ 5/8/15 -

(C) Pre-ext. actually performed 5/7/15. AC 5/11/15

**SAMPLE DATA – VAL - PFAS**

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_37.qld

Last Altered: Thursday, May 14, 2015 14:18:47 Pacific Daylight Time

Printed: Thursday, May 14, 2015 14:20:36 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULLL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_37, Date: 08-May-2015, Time: 23:22:30, ID: B5E0032-BLK1 Method Blank 1, Description: Method Blank

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	8 PFOA	413 > 368.7	5.69e1	2.60e4		1.000	4.77	0.115	
2	56 Total PFOS	499 > 98.7		6.08e3		1.000		0.0443	
3	31 13C2-PFOA	414.9 > 369.7	2.60e4	1.97e4	1.160	1.000	4.77	56.9	113.9
4	32 13C8-PFOS	507.1 > 98.6	6.08e3	6.23e3	0.939	1.000	5.05	52.0	104.0
5	47 13C8-PFOA	421.3 > 376	1.97e4	1.97e4	1.000	1.000	4.77	50.0	100.0
6	48 13C4-PFOS	503.2 > 98.6	6.23e3	6.23e3	1.000	1.000	5.05	50.0	100.0

AC  
5/14/15  
6/2  
5/20/15

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_37.qld

Last Altered: Thursday, May 14, 2015 14:18:47 Pacific Daylight Time

Printed: Thursday, May 14, 2015 14:20:36 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_37, Date: 08-May-2015, Time: 23:22:30, ID: B5E0032-BLK1 Method Blank 1, Description: Method Blank

Total PFBS

#	Name	Trace	RT	Area	IS Area	Conc.
1						

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Conc.
1	6 PFHxS	398.9 > 79.6	4.44	2.92e1	8.68e3	0.128

Total PFHpS

#	Name	Trace	RT	Area	IS Area	Conc.
1						

Total PFOS

#	Name	Trace	RT	Area	IS Area	Conc.
1	10 PFOS	499 > 98.7	5.05	5.62e0	6.08e3	0.0443



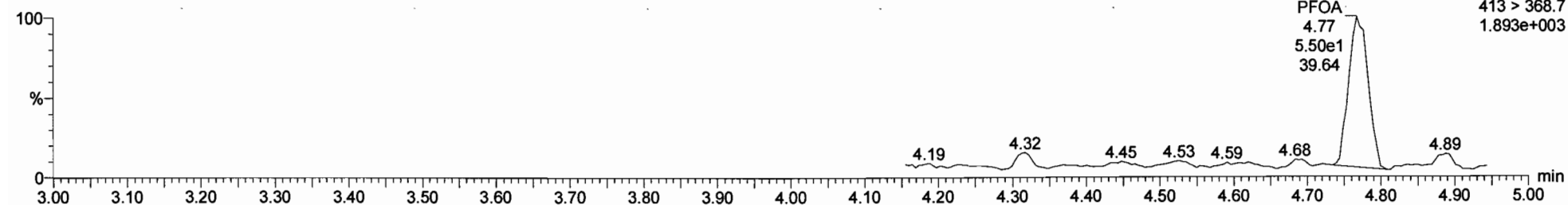
Dataset:        Untitled

Last Altered:    Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time  
Printed:         Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_37, Date: 08-May-2015, Time: 23:22:30, ID: B5E0032-BLK1 Method Blank 1, Description: Method Blank

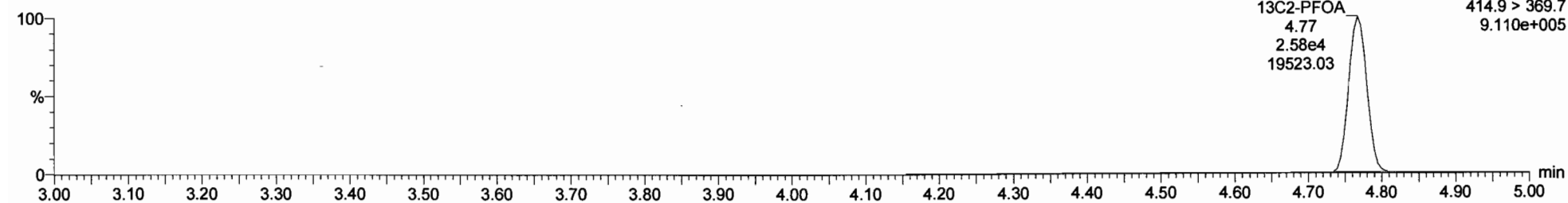
**PFOA**

150508G1\_37



**<sup>13</sup>C2-PFOA**

150508G1\_37



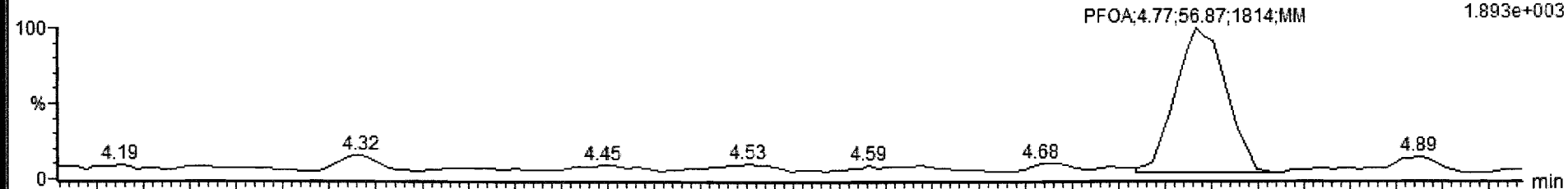


150508G1\_37 - B5E0032-BLK1 Method Blank 1 - Method Blank

Name	Trace	Area	RRF	Wt/VoL	Pred.RT	RT	Conc.	>MDL	%Rec	DL
1	PFBA	213.1 > 168.8	1.74e1	1.000	2.25	2.32	0.149	NO		0.0787338
2	PFPeA	263.1 > 218.9	1.59e1	1.000	3.30	3.29	0.0337	NO		0.0077530
3	PFBS	299 > 79.7		1.000	3.46			NO		0.0061139
4	PFHxA	313.2 > 268.9	2.19e2	1.000	3.96	3.95	0.361	NO		0.0029387
5	PFHpA	363 > 318.9	1.97e1	1.000	4.42	4.42	0.0306	NO		0.0077150
6	PFHxS	398.9 > 79.6	2.92e1	1.000	4.35	4.44	0.128	NO		0.0096061
7	6:2 FTS	427.1 > 407	9.65e0	1.000	4.61	4.77	0.146	NO		0.0269252
8	PFOA	413 > 368.7	5.69e1	1.000	4.77	4.77	0.115	NO		0.0065057
9	PFHpS	449 > 98.7		1.000	4.73			NO		0.0351085
10	PFOS	499 > 98.7	5.62e0	1.000	5.05	5.05	0.0443	NO		0.0319492
11	PFNA	463 > 418.8	1.35e1	1.000	5.05	5.06	0.0466	NO		0.0113675
12	PFDA	513 > 468.8	1.23e2	1.000	5.29	5.30	0.269	NO		0.0029871

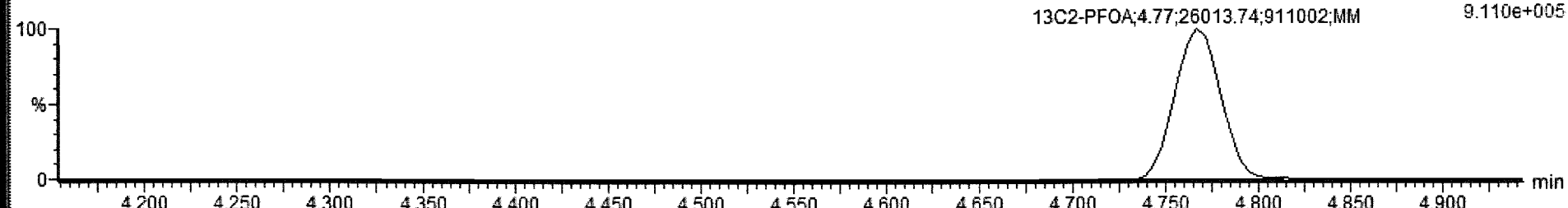
150508G1\_37 Smooth(Mn,1x2)  
Method Blank B5E0032-BLK1 Method Blank 1

F3:MRM of 11 channels,ES-  
413 > 368.7  
1.893e+003



150508G1\_37 Smooth(Mn,1x2)  
Method Blank B5E0032-BLK1 Method Blank 1

F3:MRM of 11 channels,ES-  
414.9 > 369.7  
9.110e+005



Dataset: Untitled

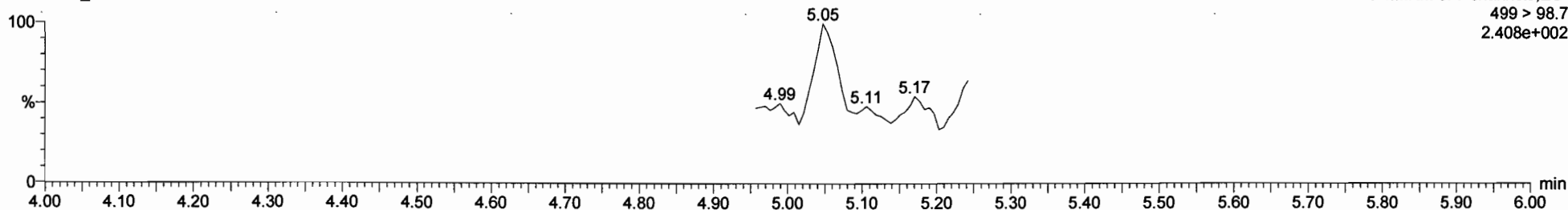
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_37, Date: 08-May-2015, Time: 23:22:30, ID: B5E0032-BLK1 Method Blank 1, Description: Method Blank

**PFOS**

150508G1\_37

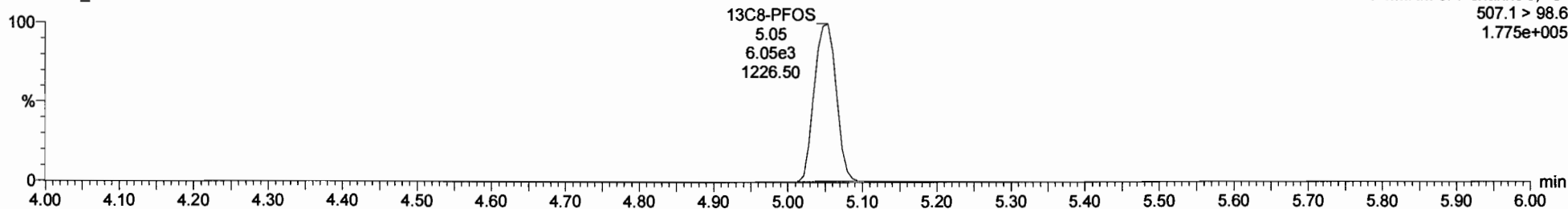
F4:MRM of 7 channels,ES-  
499 > 98.7  
2.408e+002



**13C8-PFOS**

150508G1\_37

F4:MRM of 7 channels,ES-  
507.1 > 98.6  
1.775e+005



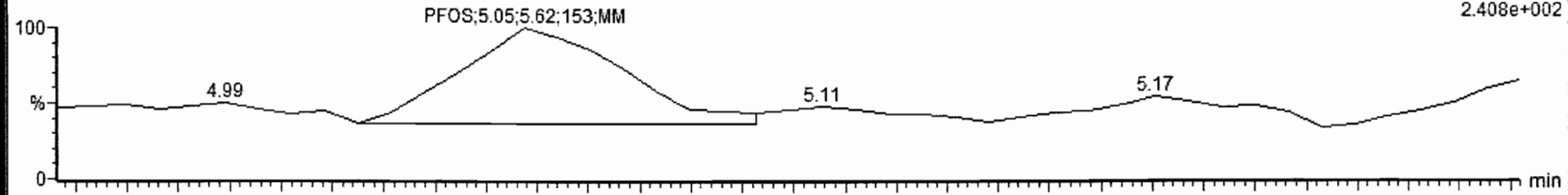


150508G1\_37 - B5E0032-BLK1 Method Blank 1 - Method Blank

Name	Trace	Area	RRF	Wt/VoL	Pred.RT	RT	Conc.	>MDL	%Rec	DL	
45	13C2-4.2 FTS	329.2 > 308.9	8.57e3	1.00	1.000	3.84	3.91	50.0	NO	100.0	0.0112610
46	13C-PFHxA	315 > 269.8	2.90e4	1.00	1.000	3.88	3.94	50.0	NO	100.0	0.0036550
47	13C8-PFOA	421.3 > 376	1.97e4	1.00	1.000	4.70	4.77	50.0	NO	100.0	0.0180417
48	13C4-PFOS	503.2 > 98.6	6.23e3	1.00	1.000	4.99	5.05	50.0	NO	100.0	0.0878412
49	13C2-FOUEA	459.1 > 393.9	1.73e4	1.00	1.000	5.09	5.15	50.0	NO	100.0	0.0346554
50	13C9-PFNA	472.2 > 426.9	1.90e4	1.00	1.000	5.07	5.05	50.0	NO	100.0	0.0389875
51	13C7-PFUDa	570.1 > 524.8	1.29e4	1.00	1.000	5.46	5.50	50.0	NO	100.0	0.0240886
52	d-N-MeFOSA	515.2 > 168.9	3.27e3	1.00	1.000	5.79	5.78	50.0	NO	100.0	0.1278031
53	Total PFBS	299 > 79.7	0.00e0		1.000	3.46			NO		
54	Total PFHxS	398.9 > 79.6	2.92e1		1.000	4.46		0.128	NO		
55	Total PFHpS	449 > 98.7	0.00e0		1.000	4.79			NO		
56	Total PFOS	499 > 98.7	5.62e0		1.000	5.07		0.0443	NO		

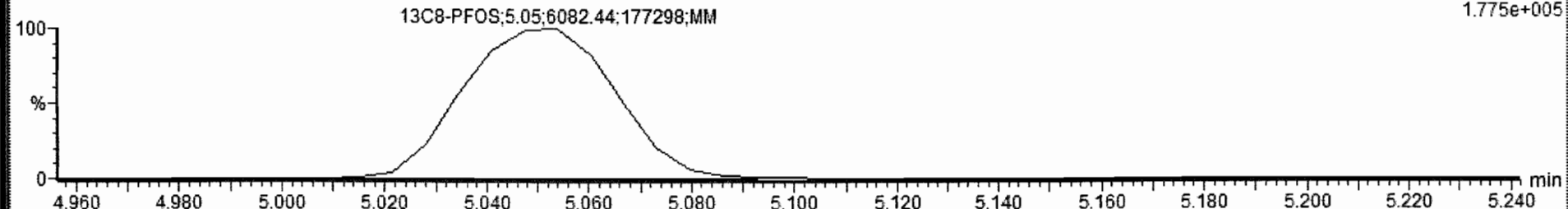
150508G1\_37 Smooth(Mn,1x2)  
Method Blank B5E0032-BLK1 Method Blank 1

F4:MRM of 7 channels,ES-  
499 > 98.7  
2.408e+002



150508G1\_37 Smooth(Mn,1x2)  
Method Blank B5E0032-BLK1 Method Blank 1

F4:MRM of 7 channels,ES-  
507.1 > 98.6  
1.775e+005



Dataset: Untitled

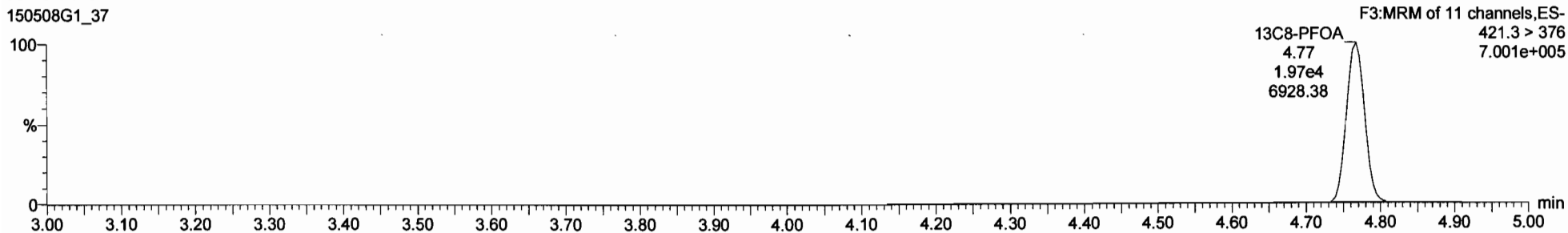
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_37, Date: 08-May-2015, Time: 23:22:30, ID: B5E0032-BLK1 Method Blank 1, Description: Method Blank

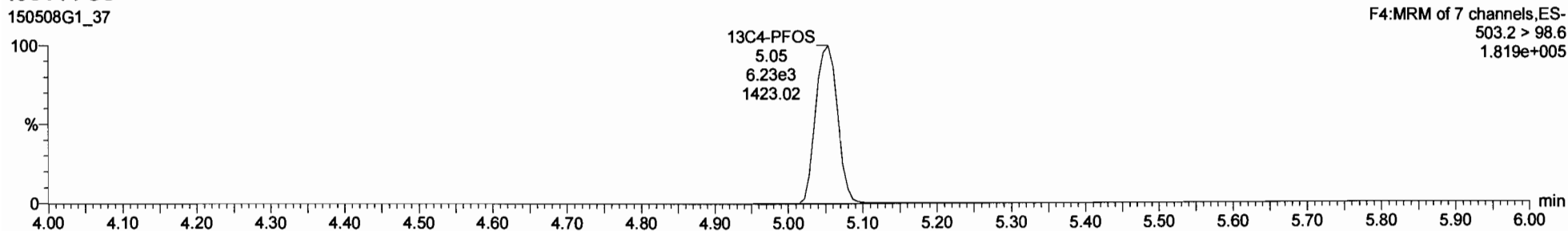
**13C8-PFOA**

150508G1\_37



**13C4-PFOS**

150508G1\_37



Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_36.qld

Last Altered: Thursday, May 14, 2015 12:07:06 Pacific Daylight Time

Printed: Thursday, May 14, 2015 14:22:14 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_36, Date: 08-May-2015, Time: 23:09:50, ID: B5E0032-BS1 OPR 1, Description: OPR

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc	%Rec
1	8 PFOA	413 > 368.7	1.63e3	4.25e4		1.000	4.77	2.02	
2	56 Total PFOS	499 > 98.7		1.07e4		1.000		2.11	
3	31 13C2-PFOA	414.9 > 369.7	4.25e4	3.36e4	1.160	1.000	4.77	54.6	109.1
4	32 13C8-PFOS	507.1 > 98.6	1.07e4	1.14e4	0.939	1.000	5.05	50.2	100.4
5	47 13C8-PFOA	421.3 > 376	3.36e4	3.36e4	1.000	1.000	4.77	50.0	100.0
6	48 13C4-PFOS	503.2 > 98.6	1.14e4	1.14e4	1.000	1.000	5.05	50.0	100.0

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Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_36.qld

Last Altered: Thursday, May 14, 2015 12:07:06 Pacific Daylight Time

Printed: Thursday, May 14, 2015 14:22:14 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULLL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_36, Date: 08-May-2015, Time: 23:09:50, ID: B5E0032-BS1 OPR 1, Description: OPR

Total PFBS

#	Name	Trace	RT	Area	IS Area	Conc.
1	53 Total PFBS	299 > 79.7	3.28	1.07e1	1.79e4	0.0204
2	3 PFBS	299 > 79.7	3.44	1.39e3	1.79e4	2.62

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Conc.
1	6 PFHxS	390.9 > 79.6	4.44	1.11e3	1.79e4	2.36

Total PFHpS

#	Name	Trace	RT	Area	IS Area	Conc.
1	9 PFHpS	449 > 98.7	4.78	3.66e2	1.79e4	1.70

Total PFOS

#	Name	Trace	RT	Area	IS Area	Conc.
1	10 PFOS	499 > 98.7	5.05	4.74e2	1.07e4	2.11

Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

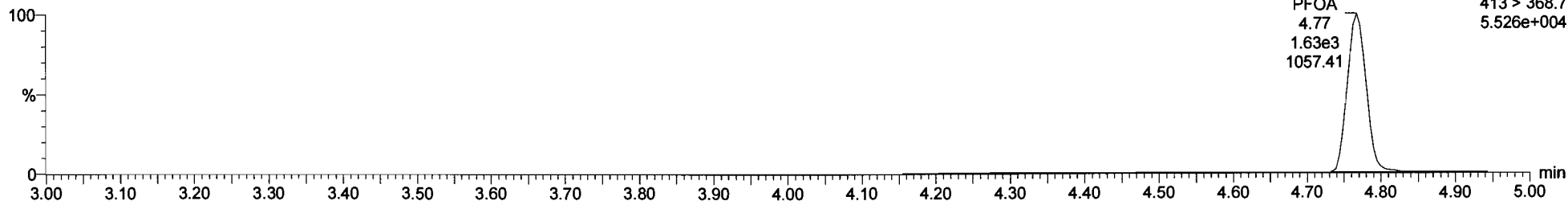
Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_36, Date: 08-May-2015, Time: 23:09:50, ID: B5E0032-BS1 OPR 1, Description: OPR

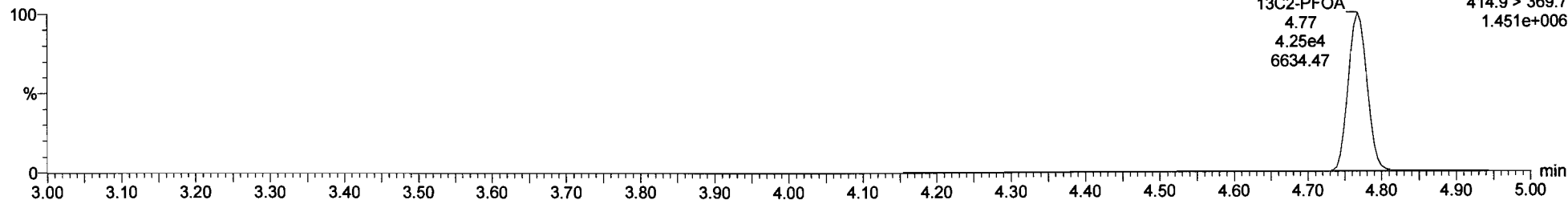
**PFOA**

150508G1\_36



**13C2-PFOA**

150508G1\_36





Dataset: Untitled

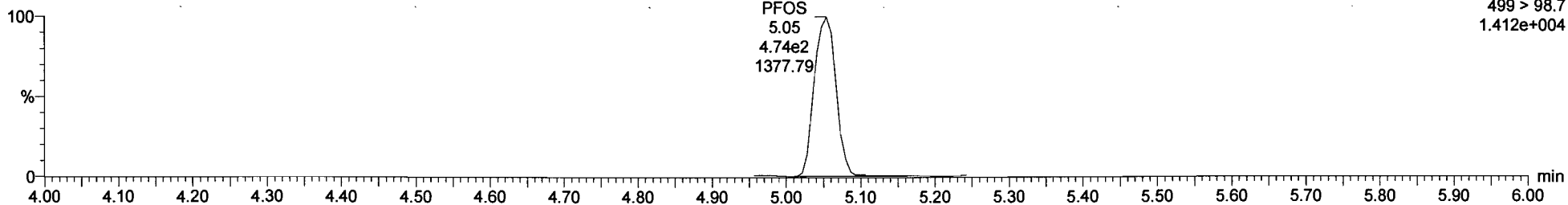
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_36, Date: 08-May-2015, Time: 23:09:50, ID: B5E0032-BS1 OPR 1, Description: OPR

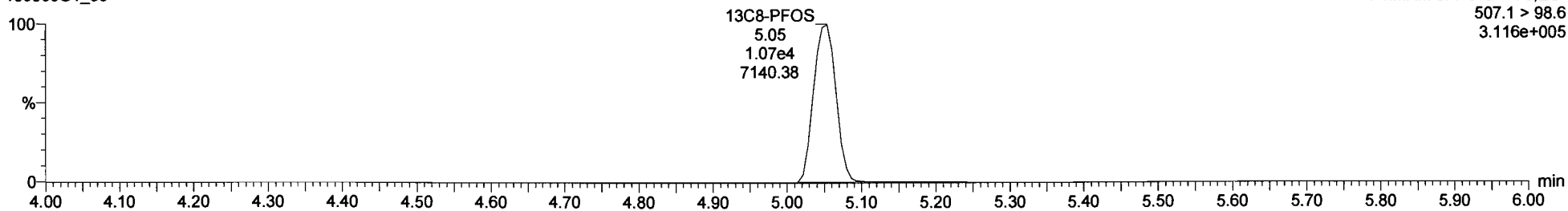
**PFOS**

150508G1\_36



**13C8-PFOS**

150508G1\_36



Dataset: Untitled

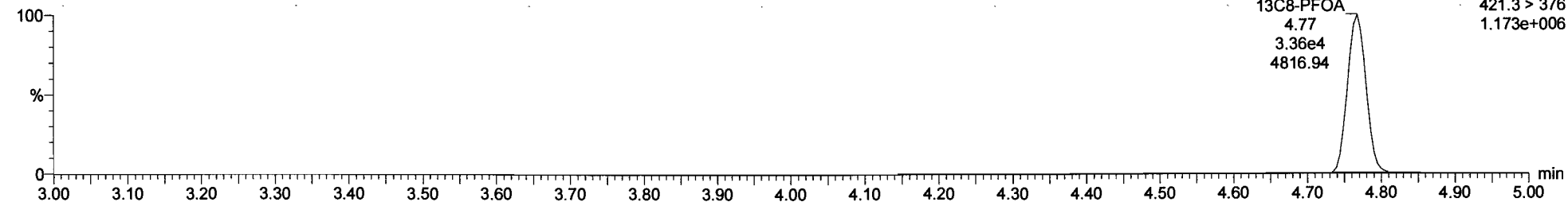
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_36, Date: 08-May-2015, Time: 23:09:50, ID: B5E0032-BS1 OPR 1, Description: OPR

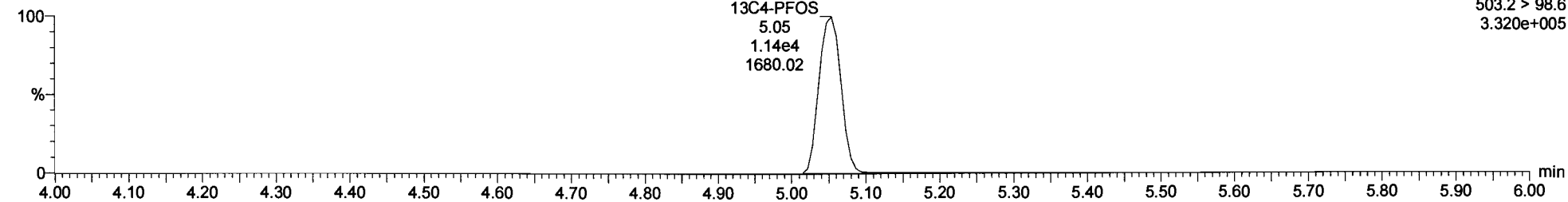
**13C8-PFOA**

150508G1\_36



**13C4-PFOS**

150508G1\_36



Dataset:      C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_38.qld

Last Altered:    Thursday, May 14, 2015 15:20:10 Pacific Daylight Time  
Printed:        Thursday, May 14, 2015 15:20:52 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_38, Date: 08-May-2015, Time: 23:35:12, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	8 PFOA	413 > 368.7	1.78e3	4.04e4		1.133	4.77	2.04	
2	<del>56 Total PFOS</del>	<del>499 &gt; 98.7</del>	<del>8.20e3</del>	<del>1.35e4</del>		<del>1.133</del>		<del>0.420</del>	
3	31 13C2-PFOA	414.9 > 369.7	4.04e4	3.66e4	1.160	1.133	4.77	42.1	95.3
4	32 13C8-PFOS	507.1 > 98.6	8.20e3	1.35e4	0.939	1.133	5.05	28.5	64.7
5	47 13C8-PFOA	421.3 > 376	3.66e4	3.66e4	1.000	1.133	4.77	44.2	100.0
6	48 13C4-PFOS	503.2 > 98.6	1.35e4	1.35e4	1.000	1.133	5.05	44.2	100.0

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Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_38.qld

Last Altered: Thursday, May 14, 2015 15:20:10 Pacific Daylight Time

Printed: Thursday, May 14, 2015 15:20:52 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULLL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_38, Date: 08-May-2015, Time: 23:35:12, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

**Total PFBS**

#	Name	Trace	RT	Area	IS Area	Conc.
1	3 PFBS	299 > 79.7	3.29	5.22e0	1.78e4	0.00876

**Total PFHxS**

#	Name	Trace	RT	Area	IS Area	Conc.
1	54 Total PFHxS	398.9 > 79.6	4.31	1.03e1	1.78e4	0.0194
2	6 PFHxS	398.9 > 79.6	4.44	8.73e1	1.78e4	0.165

**Total PFHpS**

#	Name	Trace	RT	Area	IS Area	Conc.
1						

**Total PFOS**

#	Name	Trace	RT	Area	IS Area	Conc.
1	10 PFOS	499 > 98.7	5.05	8.14e1	8.20e3	0.420

Dataset: Untitled

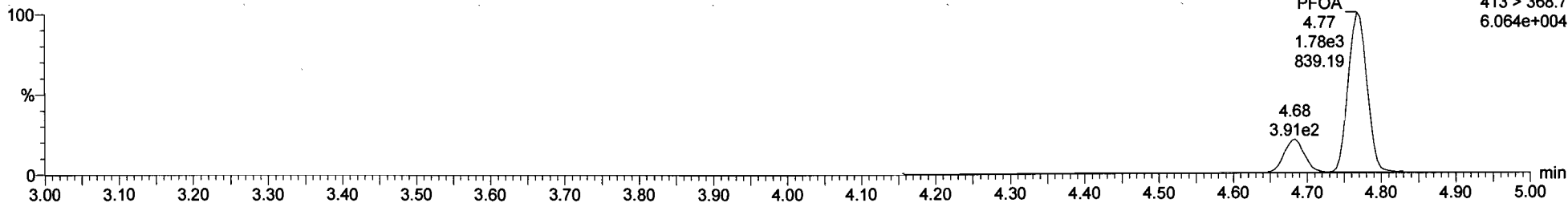
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_38, Date: 08-May-2015, Time: 23:35:12, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

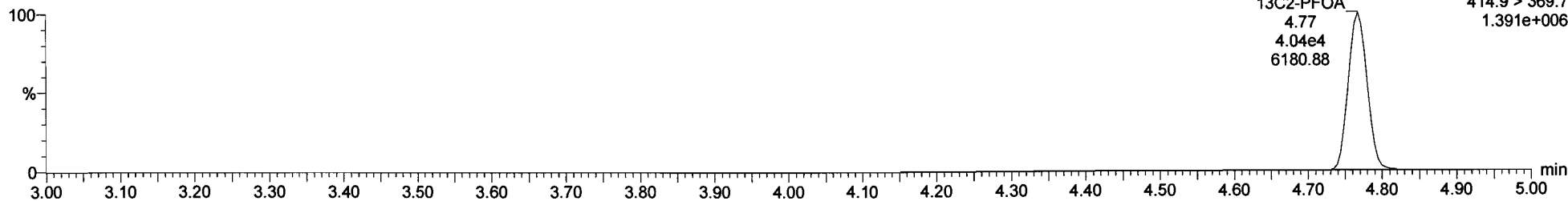
**PFOA**

150508G1\_38



**13C2-PFOA**

150508G1\_38



Dataset: Untitled

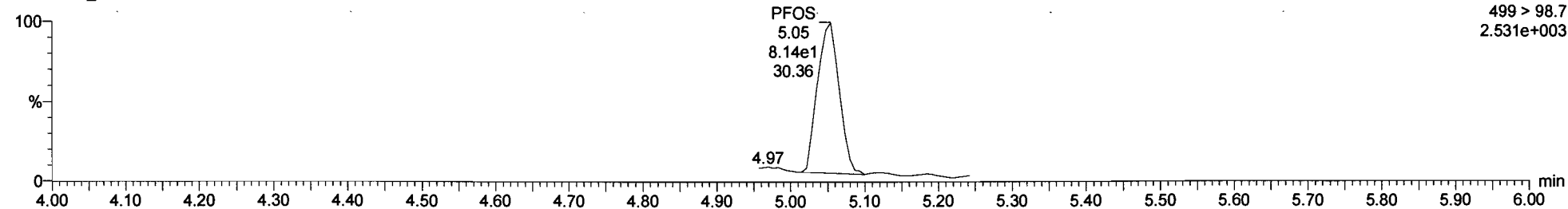
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_38, Date: 08-May-2015, Time: 23:35:12, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

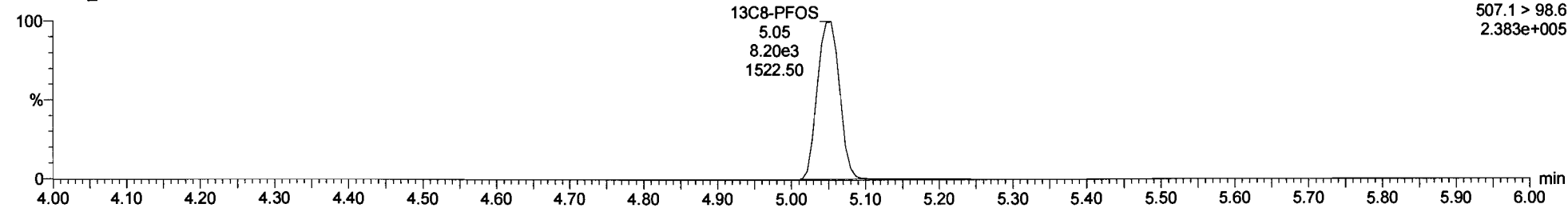
**PFOS**

150508G1\_38



**13C8-PFOS**

150508G1\_38



Dataset: Untitled

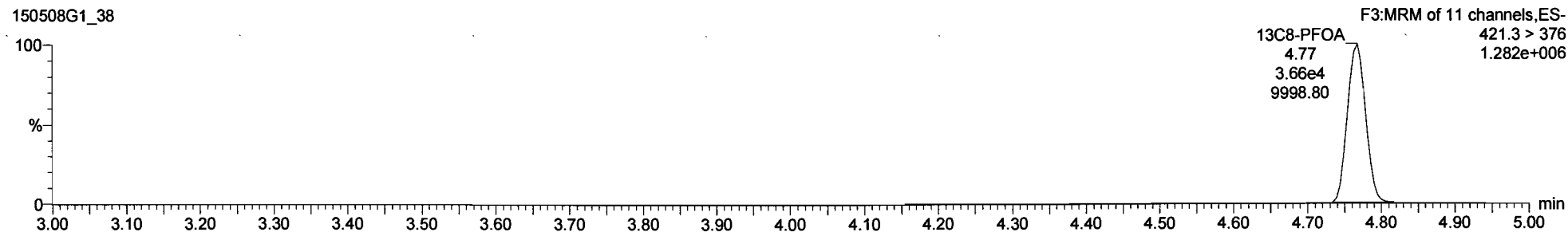
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_38, Date: 08-May-2015, Time: 23:35:12, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

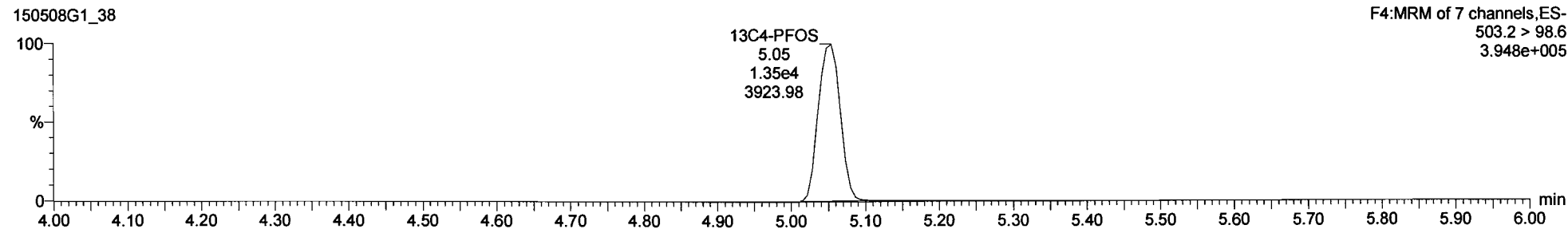
**13C8-PFOA**

150508G1\_38



**13C4-PFOS**

150508G1\_38



Dataset:      C:\Projects\Method\_1694.PRO\Results\150512G2\150512G1\_3.qld

Last Altered:    Friday, May 15, 2015 13:10:25 Pacific Daylight Time  
Printed:        Friday, May 15, 2015 13:10:56 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G2\_3, Date: 12-May-2015, Time: 18:46:25, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	56 Total PFOS	499 > 98.7		8.15e3		1.133		0.541	
2	32 13C8-PFOS	507.1 > 98.6	8.15e3	1.40e4	0.939	1.133	5.05	27.4	62.1
3	48 13C4-PFOS	503.2 > 98.6	1.40e4	1.40e4	1.000	1.133	5.05	44.2	100.0

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Dataset: C:\Projects\Method\_1694.PRO\Results\150512G2\150512G1\_3.qld

Last Altered: Friday, May 15, 2015 13:10:25 Pacific Daylight Time

Printed: Friday, May 15, 2015 13:10:56 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULLL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G2\_3, Date: 12-May-2015, Time: 18:46:25, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

Total PFBS

#	Name	Trace	RT	Area	IS Area	Conc.
1	3 PFBS	299 > 79.7	3.28	8.95e0	1.77e4	0.0151

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Conc.
1	54 Total PFHxS	398.9 > 79.6	4.31	8.42e0	1.77e4	0.0160
2	6 PFHxS	398.9 > 79.6	4.44	1.09e2	1.77e4	0.207

Total PFHpS

#	Name	Trace	RT	Area	IS Area	Conc.
1						

Total PFOS

#	Name	Trace	RT	Area	IS Area	Conc.
1	56 Total PFOS	499 > 98.7	4.96	1.73e1	8.15e3	0.0901
2	10 PFOS	499 > 98.7	5.05	8.68e1	8.15e3	0.451

Dataset: Untitled

Last Altered: Friday, May 15, 2015 12:59:17 Pacific Daylight Time

Printed: Friday, May 15, 2015 13:00:22 Pacific Daylight Time

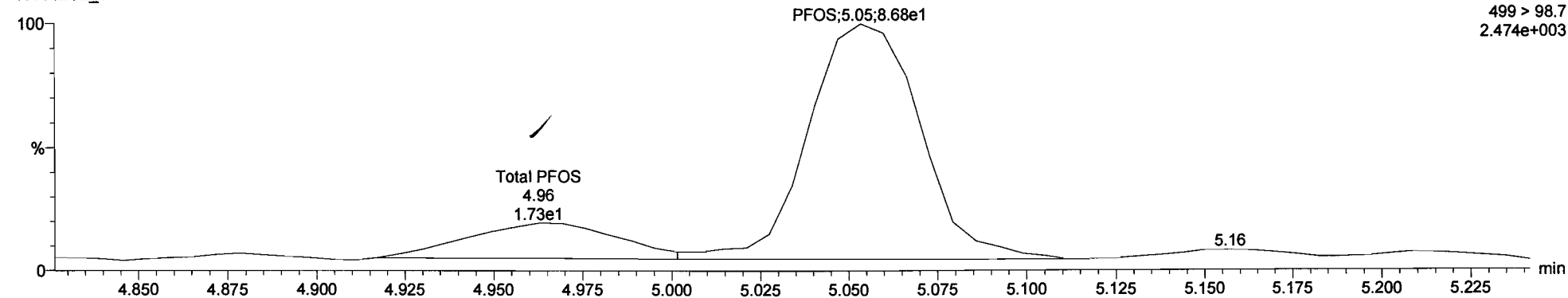
Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G2\_3, Date: 12-May-2015, Time: 18:46:25, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

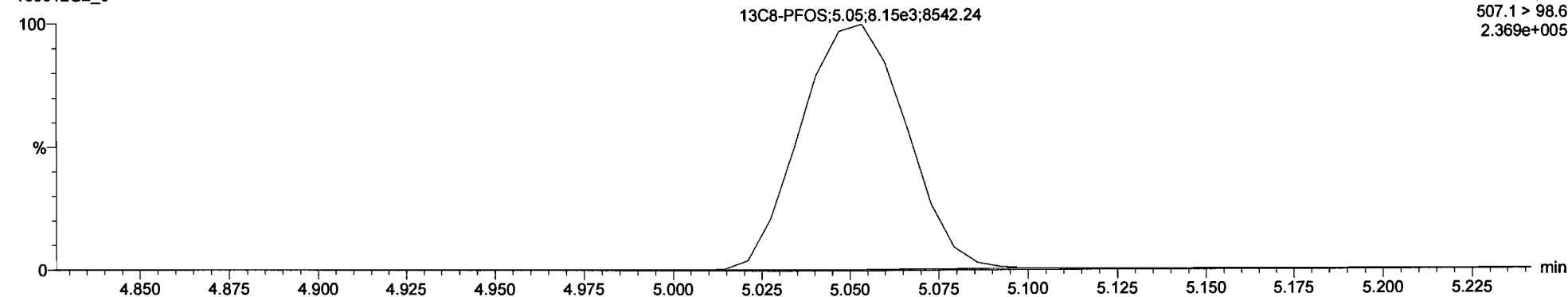
**PFOS**

150512G2\_3



**13C8-PFOS**

150512G2\_3



Dataset: Untitled

Last Altered: Friday, May 15, 2015 12:59:17 Pacific Daylight Time

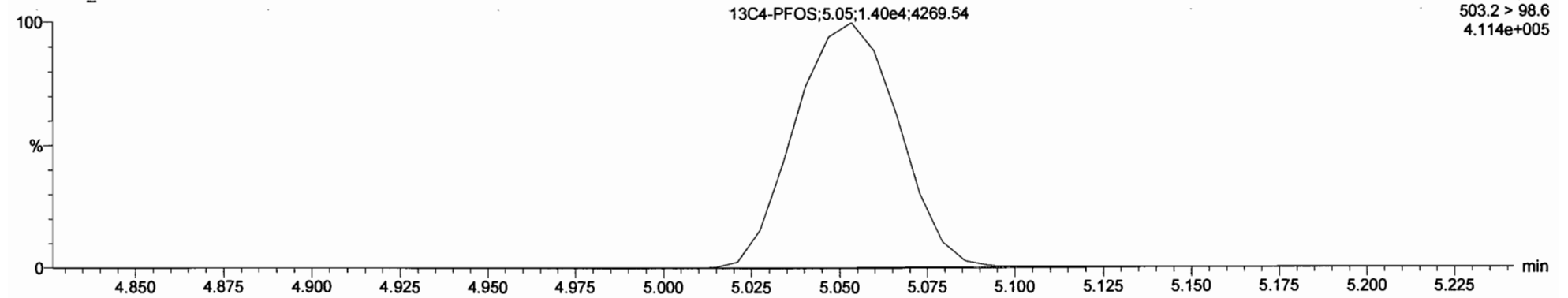
Printed: Friday, May 15, 2015 13:00:22 Pacific Daylight Time

Name: 150512G2\_3, Date: 12-May-2015, Time: 18:46:25, ID: 1500410-01 PA104-SB28-0608 1.46, Description: PA104-SB28-0608

13C4-PFOS

150512G2\_3

F4:MRM of 7 channels,ES-  
503.2 > 98.6  
4.114e+005



Dataset:      C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_39.qld

Last Altered:    Thursday, May 14, 2015 15:21:37 Pacific Daylight Time

Printed:        Thursday, May 14, 2015 15:22:51 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\IC18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_39, Date: 08-May-2015, Time: 23:47:52, ID: 1500410-02 PA113C-SB11-0103 1.53, Description: PA113C-SB11-0103

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	8 PFOA	413 > 368.7	2.76e2	4.14e4		0.870	4.77	0.404	
2	<del>56 Total PFOS</del>	<del>499 &gt; 98.7</del>		<del>8.71e3</del>		<del>0.870</del>		<del>4.26</del>	
3	31 13C2-PFOA	414.9 > 369.7	4.14e4	3.93e4	1.160	0.870	4.77	52.2	90.9
4	32 13C8-PFOS	507.1 > 98.6	8.71e3	1.34e4	0.939	0.870	5.05	39.9	69.3
5	47 13C8-PFOA	421.3 > 376	3.93e4	3.93e4	1.000	0.870	4.77	57.5	100.0
6	48 13C4-PFOS	503.2 > 98.6	1.34e4	1.34e4	1.000	0.870	5.05	57.5	100.0

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Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_39.qld

Last Altered: Thursday, May 14, 2015 15:21:37 Pacific Daylight Time

Printed: Thursday, May 14, 2015 15:22:51 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_39, Date: 08-May-2015, Time: 23:47:52, ID: 1500410-02 PA113C-SB11-0103 1.53, Description: PA113C-SB11-0103

Total PFBS

#	Name	Trace	RT	Area	IS Area	Conc.
1						

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Conc.
1	54 Total PFHxS	398.9 > 79.6	4.35	8.09e0	1.79e4	0.0198
2	6 PFHxS	398.9 > 79.6	4.44	1.41e2	1.79e4	0.345
3	54 Total PFHxS	398.9 > 79.6	4.54	5.52e0	1.79e4	0.0135

Total PFHpS

#	Name	Trace	RT	Area	IS Area	Conc.
1						

Total PFOS

#	Name	Trace	RT	Area	IS Area	Conc.
1	10 PFOS	499 > 98.7	5.05	6.74e2	8.71e3	4.26

Dataset: Untitled

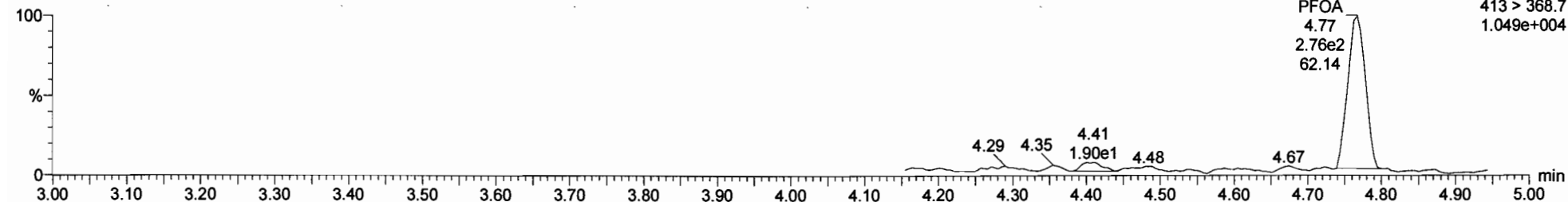
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_39, Date: 08-May-2015, Time: 23:47:52, ID: 1500410-02 PA113C-SB11-0103 1.53, Description: PA113C-SB11-0103

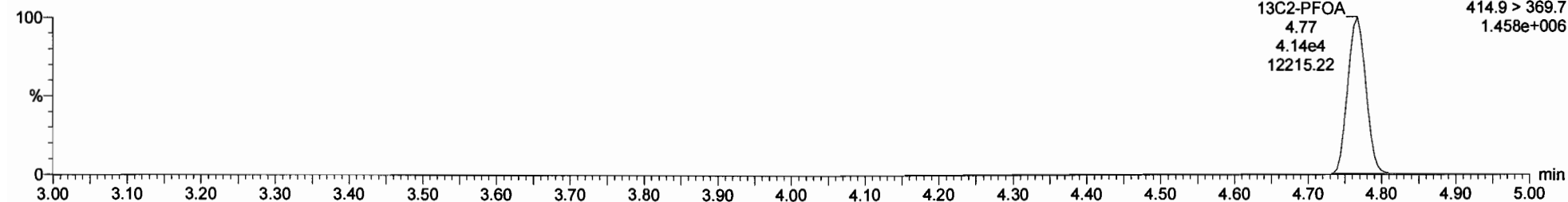
**PFOA**

150508G1\_39



**13C2-PFOA**

150508G1\_39



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

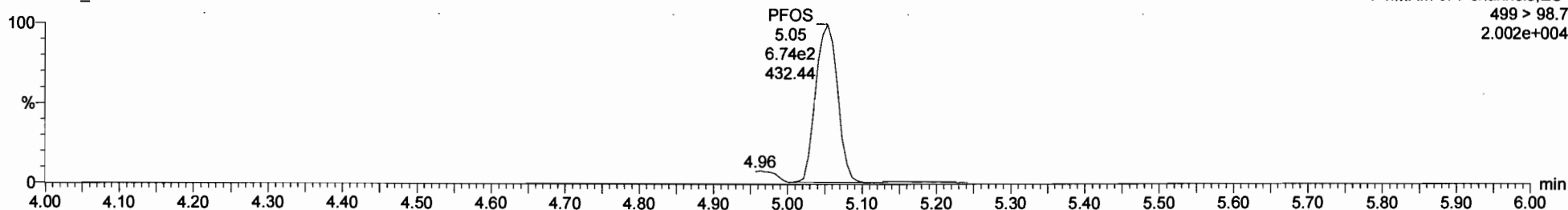
Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_39, Date: 08-May-2015, Time: 23:47:52, ID: 1500410-02 PA113C-SB11-0103 1.53, Description: PA113C-SB11-0103

**PFOS**

150508G1\_39

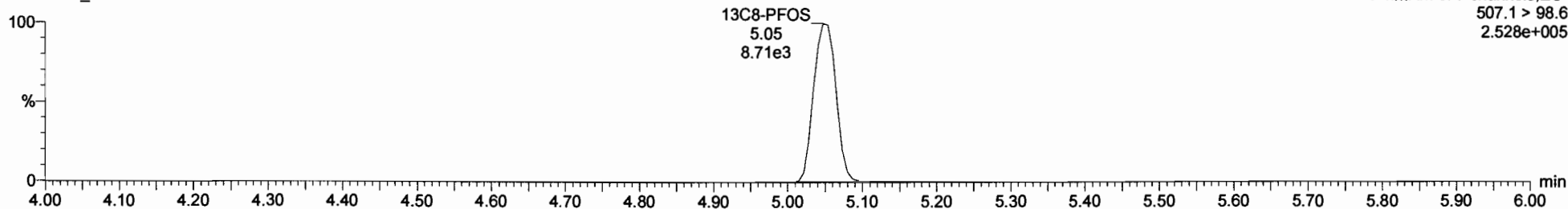
F4:MRM of 7 channels,ES-  
499 > 98.7  
2.002e+004



**13C8-PFOS**

150508G1\_39

F4:MRM of 7 channels,ES-  
507.1 > 98.6  
2.528e+005



Dataset: Untitled

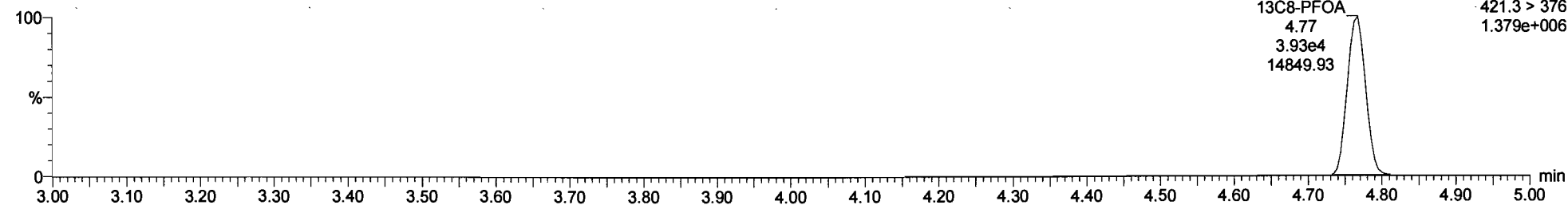
Last Altered: Tuesday, May 12, 2015 09:25:05 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 09:27:45 Pacific Daylight Time

Name: 150508G1\_39, Date: 08-May-2015, Time: 23:47:52, ID: 1500410-02 PA113C-SB11-0103 1.53, Description: PA113C-SB11-0103

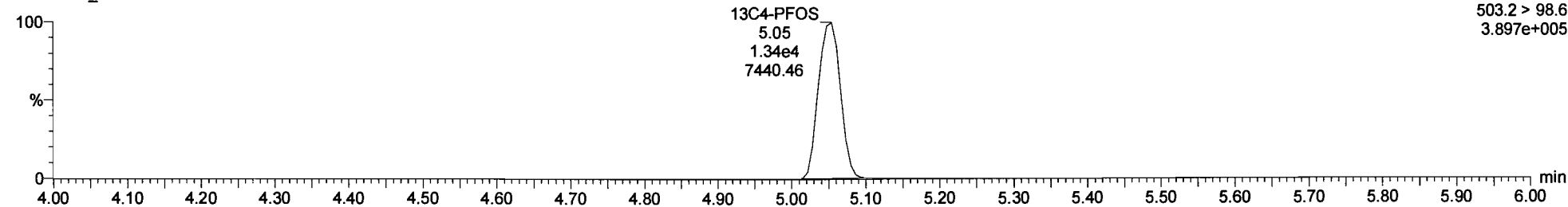
**13C8-PFOA**

150508G1\_39



**13C4-PFOS**

150508G1\_39





Dataset: C:\Projects\Method\_1694.PRO\Results\150512G2\150512G1\_4.qld

Last Altered: Friday, May 15, 2015 13:16:03 Pacific Daylight Time

Printed: Friday, May 15, 2015 13:16:16 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G2\_4, Date: 12-May-2015, Time: 18:59:05, ID: 1500410-02 PA113C-SB11-0103 1.53, Description: PA113C-SB11-0103

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	56 Total PFOS	499 > 98.7		8.97e3		0.870		4.31	
2	32 13C8-PFOS	507.1 > 98.6	8.97e3	1.42e4	0.939	0.870	5.05	38.6	67.1
3	48 13C4-PFOS	503.2 > 98.6	1.42e4	1.42e4	1.000	0.870	5.05	57.5	100.0

AC  
5/15/15

✓  
5/21/15

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150512G2\150512G1\_4.qld

Last Altered: Friday, May 15, 2015 13:16:03 Pacific Daylight Time

Printed: Friday, May 15, 2015 13:16:16 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G2\_4, Date: 12-May-2015, Time: 18:59:05, ID: 1500410-02 PA113C-SB11-0103 1.53; Description: PA113C-SB11-0103

Total PFBS

#	Name	Trace	RT	Area	IS Area	Conc.
1	53 Total PFBS	299 > 79.7	3.29	8.12e0	1.71e4	0.0185
2	53 Total PFBS	299 > 79.7	3.59	7.61e0	1.71e4	0.0174
3	53 Total PFBS	299 > 79.7	3.68	1.05e1	1.71e4	0.0239
4	3 PFBS	299 > 79.7	3.76	1.79e1	1.71e4	0.0408

Total PFHxS

#	Name	Trace	RT	Area	IS Area	Conc.
1	6 PFHxS	398.9 > 79.6	4.44	1.26e2	1.71e4	0.323

Total PFHpS

#	Name	Trace	RT	Area	IS Area	Conc.
1	9 PFHpS	449 > 98.7	4.47	1.06e1	1.71e4	0.0594
2	55 Total PFHpS	449 > 98.7	4.78	9.29e0	1.71e4	0.0520

Total PFOS

#	Name	Trace	RT	Area	IS Area	Conc.
1	56 Total PFOS	499 > 98.7	4.98	7.07e1	8.97e3	0.435
2	10 PFOS	499 > 98.7	5.05	6.31e2	8.97e3	3.88

Dataset: Untitled

Last Altered: Friday, May 15, 2015 12:59:17 Pacific Daylight Time

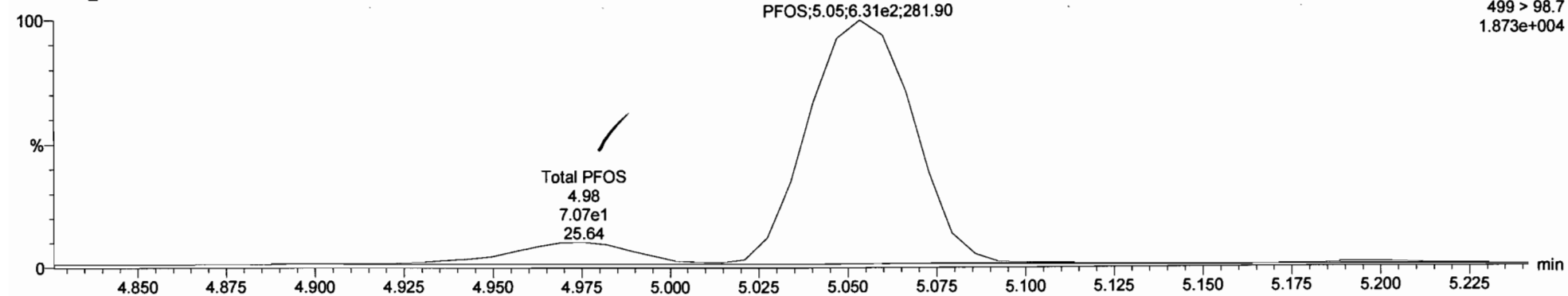
Printed: Friday, May 15, 2015 13:00:22 Pacific Daylight Time

Name: 150512G2\_4, Date: 12-May-2015, Time: 18:59:05, ID: 1500410-02 PA113C-SB11-0103 1.53, Description: PA113C-SB11-0103

**PFOS**

150512G2\_4

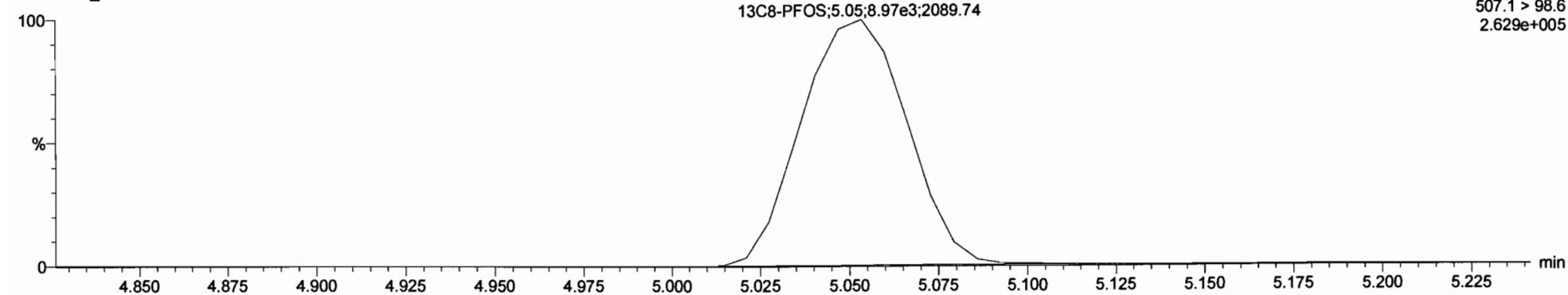
F4:MRM of 7 channels,ES-  
499 > 98.7  
1.873e+004



**13C8-PFOS**

150512G2\_4

F4:MRM of 7 channels,ES-  
507.1 > 98.6  
2.629e+005



Dataset: Untitled

Last Altered: Friday, May 15, 2015 12:59:17 Pacific Daylight Time

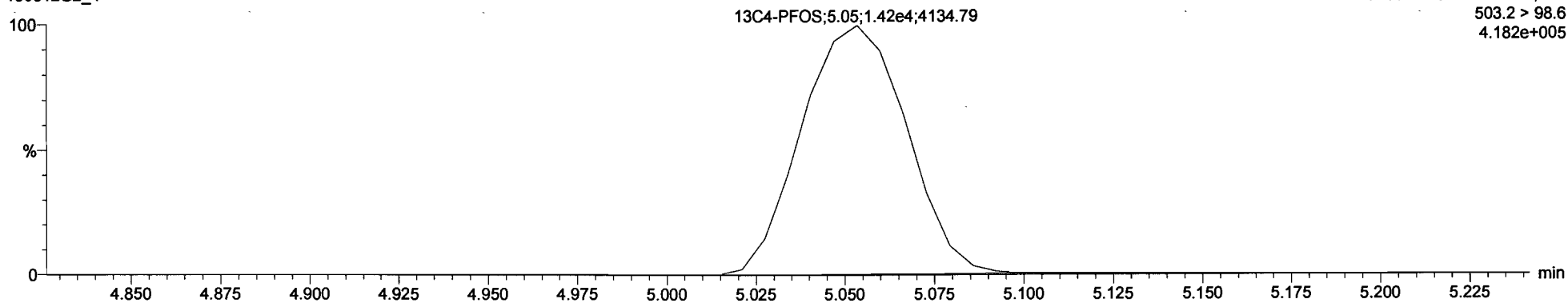
Printed: Friday, May 15, 2015 13:00:22 Pacific Daylight Time

Name: 150512G2\_4, Date: 12-May-2015, Time: 18:59:05, ID: 1500410-02 PA113C-SB11-0103 1.53, Description: PA113C-SB11-0103

13C4-PFOS

150512G2\_4

F4:MRM of 7 channels,ES-  
503.2 > 98.6  
4.182e+005



## **CONTINUING CALIBRATION**

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_33.qld

Last Altered: Tuesday, May 12, 2015 15:29:49 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 15:30:14 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc	%Rec
1	1 PFBA	213.1 > 168.8	6.21e3	3.01e4		1.000	2.28	37.8	75.6
2	2 PFPeA	263.1 > 218.9	1.78e4	2.22e4		1.000	3.29	46.8	93.6
3	3 PFBS	299 > 79.7	1.43e4	9.28e3		1.000	3.44	50.1	100.1
4	4 PFHxA	313.2 > 268.9	2.07e4	2.12e4		1.000	3.95	40.0	80.0
5	5 PFHpA	363 > 318.9	2.70e4	2.12e4		1.000	4.41	49.9	99.7
6	6 PFHxS	398.9 > 79.6	1.29e4	9.28e3		1.000	4.44	51.4	102.8
7	7 6:2 FTS	427.1 > 407	2.95e3	6.31e3		1.000	4.76	49.4	98.8
8	8 PFOA	413 > 368.7	2.28e4	2.55e4		1.000	4.77	47.3	94.5
9	9 PFHpS	449 > 98.7	5.61e3	9.28e3		1.000	4.78	48.9	97.8
10	10 PFOS	499 > 98.7	6.87e3	7.08e3		1.000	5.05	45.9	91.7
11	11 PFNA	463 > 418.8	1.71e4	1.73e4		1.000	5.06	53.4	106.9
12	12 PFDA	513 > 468.8	2.21e4	2.10e4		1.000	5.30	46.2	92.3
13	13 8:2 FTS	527 > 506.9	6.00e3	6.68e3		1.000	5.32	47.8	95.5
14	14 FOSA	498.1 > 77.8	3.28e3	6.28e3		1.000	5.40	45.6	91.2
15	15 PFDS	598.8 > 98.7	7.63e2	2.10e4		1.000	5.49	19.0	38.0
16	16 PFUdA	563 > 518.9	1.00e4	9.99e3		1.000	5.50	48.9	97.9
17	17 PFDaA	612.9 > 568.8	2.76e3	3.24e3		1.000	5.68	47.6	95.2
18	18 N-MeFOSA	512.1 > 168.9	9.74e2	8.67e0		1.000	5.78	1440	288.8
19	19 N-MeFOSE	616.1 > 58.9	1.73e2	8.67e0		1.000	5.79	1040	207.6
20	20 PFTTrDA	662.9 > 618.9	8.67e2	9.99e3		1.000	5.84	42.8	85.5
21	21 N-EiFOSE	630.1 > 58.9	2.50e2	2.15e1		1.000	5.90	542	108.4
22	22 N-EiFOSA	526.1 > 168.9	1.01e3	1.46e2		1.000	5.90	326	65.2
23	23 PFTeDA	712.9 > 668.8	9.06e2	1.06e3		1.000	5.97	47.0	94.1
24	24 PFHxDA	813.1 > 768.6	1.19e4	1.21e4		1.000	6.20	53.9	107.7
25	25 PFODA	913.1 > 868.8	3.48e4	1.21e4		1.000	6.44	84.6	169.1
26	26 13C3-PFBA	216.1 > 171.8	3.01e4	2.50e4	1.039	1.000	2.28	57.9	115.7
27	27 13C3-PFPeA	266 > 221.8	2.22e4	2.47e4	0.976	1.000	3.29	46.0	91.9
28	28 13C4-PFHpA	367.2 > 321.8	2.12e4	2.47e4	0.850	1.000	4.41	50.4	100.8
29	29 18O2-PFHxS	403 > 102.6	9.28e3	2.47e4	0.420	1.000	4.44	44.7	89.4
30	30 13C2-6:2 FTS	429.1 > 408.9	6.31e3	8.34e3	0.739	1.000	4.76	51.2	102.5
31	31 13C2-PFOA	414.9 > 369.7	2.55e4	2.05e4	1.160	1.000	4.77	53.7	107.5

70-130  
 (A) outside method limits. OK per MM.  
 AC 5/12/15  
 ✓ 5/14/15  
 60-150  
 40-150  
 60-150

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_33.qld

Last Altered: Tuesday, May 12, 2015 15:29:49 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 15:30:14 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	13C8-PFOS	507.1 > 98.6	7.08e3	7.83e3	0.939	1.000	5.05	48.1	96.2
33	13C5-PFNA	468.2 > 422.9	1.73e4	2.08e4	0.915	1.000	5.05	45.4	90.8
34	13C2-PFDA	515.1 > 469.9	2.10e4	2.08e4	1.149	1.000	5.30	44.0	88.0
35	13C2-8:2 FTS	529.1 > 508.7	6.68e3	8.34e3	0.918	1.000	5.32	43.6	87.3
36	13C8-FOSA	506.1 > 77.7	6.28e3	8.92e3	0.728	1.000	5.40	48.4	96.8
37	13C2-PFUdA	565 > 519.8	9.99e3	8.92e3	1.148	1.000	5.50	48.8	97.6
38	13C2-PFDoA	615 > 569.7	3.24e3	8.92e3	0.827	1.000	5.67	22.0	44.0
39	d7-N-MeFOSE	623.1 > 58.9	8.67e0	1.32e2	0.597	1.000	5.78	5.50	11.0
40	d9-N-EtFOSE	639.2 > 58.8	2.15e1	1.32e2	0.656	1.000	5.89	12.5	24.9
41	d5-N-EtFOSE	531.1 > 168.9	1.46e2	1.32e2	0.970	1.000	5.90	57.2	114.4
42	13C2-PFTeDA	715 > 669.7	1.06e3	8.92e3	1.415	1.000	5.97	4.22	8.4
43	13C2-PFHxDA	815.0 > 769.7	1.21e4	8.92e3	2.520	1.000	6.20	27.0	53.9
44	13C4-PFBA	217 > 171.8	2.50e4	2.50e4	1.000	1.000	2.28	50.0	100.0
45	13C2-4:2 FTS	329.2 > 308.9	8.34e3	8.34e3	1.000	1.000	3.91	50.0	100.0
46	13C-PFHxA	315 > 269.8	2.47e4	2.47e4	1.000	1.000	3.94	50.0	100.0
47	13C8-PFOA	421.3 > 376	2.05e4	2.05e4	1.000	1.000	4.77	50.0	100.0
48	13C4-PFOS	503.2 > 98.6	7.83e3	7.83e3	1.000	1.000	5.05	50.0	100.0
49	13C2-FOUEA	459.1 > 393.9	2.15e4	2.15e4	1.000	1.000	5.15	50.0	100.0
50	13C9-PFNA	472.2 > 426.9	2.08e4	2.08e4	1.000	1.000	5.05	50.0	100.0
51	13C7-PFUdA	570.1 > 524.8	8.92e3	8.92e3	1.000	1.000	5.50	50.0	100.0
52	d-N-MeFOSA	515.2 > 168.9	1.32e2	1.32e2	1.000	1.000	5.78	50.0	100.0

Ⓐ outside method limits, OK per MM.

60-150  
50-150  
60-150  
40-150  
20-150  
60-150  
30-150  
5-150  
↓  
30-150  
↓

Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 09:03:01 Pacific Daylight Time

Printed: Wednesday, May 13, 2015 09:03:32 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Compound name: PFBA

	Name	ID	Acq Date	Acq Time
1	150508G1_1	ST150508G1-1 PFC CS-1 15E0809	08-May-15	15:45:33
2	150508G1_2	ST150508G1-2 PFC CS0 15E0810	08-May-15	15:58:17
3	150508G1_3	ST150508G1-3 PFC CS1 15E0811	08-May-15	16:10:59
4	150508G1_4	ST150508G1-4 PFC CS2 15E0812	08-May-15	16:23:40
5	150508G1_5	ST150508G1-5 PFC CS3 15E0813	08-May-15	16:36:21
6	150508G1_6	ST150508G1-6 PFC CS4 15E0807	08-May-15	16:49:03
7	150508G1_7	ST150508G1-7 PFC CS5 15E0814	08-May-15	17:01:44
8	150508G1_8	ST150508G1-8 PFC CS6 15E0815	08-May-15	17:14:26
9	150508G1_9	SS150508G1-1 PFC SSS 15D2417	08-May-15	17:27:08
10	150508G1_10	B5E0029-BS1 OPR 1	08-May-15	17:39:49
11	150508G1_11	B5E0030-BS1 OPR 0.125	08-May-15	17:52:30
12	150508G1_12	Methanol	08-May-15	18:05:11
13	150508G1_13	Methanol	08-May-15	18:17:53
14	150508G1_14	B5E0029-BLK1 Method Blank 1	08-May-15	18:30:34
15	150508G1_15	B5E0030-BLK1 Method Blank 0.125	08-May-15	18:43:16
16	150508G1_16	1500395-01RE2 Resin C1-R 0.0005	08-May-15	18:55:59
17	150508G1_17	1500395-04RE2 Resin C2-R 0.0005	08-May-15	19:08:40
18	150508G1_18	B5E0029-DUP1 Duplicate 1.03	08-May-15	19:21:21
19	150508G1_19	B5E0029-DUP2 Duplicate 1.02	08-May-15	19:34:03
20	150508G1_20	B5E0029-DUP3 Duplicate 1.02	08-May-15	19:46:41
21	150508G1_21	1400880-07RE3 BERGS-SO-018 1.06	08-May-15	19:59:24
22	150508G1_22	Methanol	08-May-15	20:12:05
23	150508G1_23	Methanol	08-May-15	20:24:47
24	150508G1_24	ST150508G1-9 PFC CS4 15E0807	08-May-15	20:37:29
25	150508G1_25	Methanol	08-May-15	20:50:09
26	150508G1_26	Methanol	08-May-15	21:02:52
27	150508G1_27	1500203-01RE3 MARCH-SO-018s 1.08	08-May-15	21:15:34
28	150508G1_28	1500209-05RE4 MCCLN-SD-007 1.13	08-May-15	21:28:15
29	150508G1_29	B5E0029-MS1 Matrix Spike 1.14	08-May-15	21:40:56
30	150508G1_30	B5E0029-MSD1 Matrix Spike Dup 1.13	08-May-15	21:53:39
31	150508G1_31	Methanol	08-May-15	22:06:21



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 09:03:01 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 09:03:32 Pacific Daylight Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	150508G1_32	Methanol	08-May-15	22:19:03
33	150508G1_33	ST150508G1-10 PFC CS4 15E0807	08-May-15	22:31:45
34	150508G1_34	Methanol	08-May-15	22:44:25
35	150508G1_35	Methanol	08-May-15	22:57:07
36	150508G1_36	B5E0032-BS1 OPR 1	08-May-15	23:09:50
37	150508G1_37	B5E0032-BLK1 Method Blank 1	08-May-15	23:22:30
38	150508G1_38	1500410-01 PA104-SB28-0608 1.46	08-May-15	23:35:12
39	150508G1_39	1500410-02 PA113C-SB11-0103 1.53	08-May-15	23:47:52
40	150508G1_40	B5E0032-DUP1 Duplicate 1.42	09-May-15	00:00:34
41	150508G1_41	B5E0032-DUP2 Duplicate 1.11	09-May-15	00:13:16
42	150508G1_42	B5E0032-DUP3 Duplicate 1.19	09-May-15	00:25:58
43	150508G1_43	B5E0032-DUP4 Duplicate 1.15	09-May-15	00:38:40
44	150508G1_44	B5E0032-DUP5 Duplicate 3.03	09-May-15	00:51:22
45	150508G1_45	1400880-07RE4 BERGS-SO-018 1.29	09-May-15	01:04:05
46	150508G1_46	Methanol	09-May-15	07:15:04
47	150508G1_47	Methanol	09-May-15	07:27:44
48	150508G1_48	ST150508G1-11 PFC CS4 15E0807	09-May-15	07:40:25
49	150508G1_49	Methanol	09-May-15	07:53:06
50	150508G1_50	Methanol	09-May-15	08:05:48
51	150508G1_51	1400944-03RE1 LOWRY-SO-011 1.22	09-May-15	08:18:30
52	150508G1_52	1400952-02RE1 CHNTE-SD-001 1.55	09-May-15	08:31:09
53	150508G1_53	1500203-01RE4 MARCH-SO-018s 1.1	09-May-15	08:43:51
54	150508G1_54	1500209-05RE5 MCCLN-SD-007 2.76	09-May-15	08:56:33
55	150508G1_55	B5E0032-MS1 Matrix Spike 1.29	09-May-15	09:09:14
56	150508G1_56	B5E0032-MSD1 Matrix Spike Dup 1.35	09-May-15	09:21:55
57	150508G1_57	Methanol	09-May-15	09:34:36
58	150508G1_58	Methanol	09-May-15	09:47:18
59	150508G1_59	ST150508G1-12 PFC CS4 15E0807	09-May-15	09:59:58
60	150508G1_60	Methanol	09-May-15	10:12:39
61	150508G1_61	Methanol	09-May-15	10:25:22

Dataset: Untitled

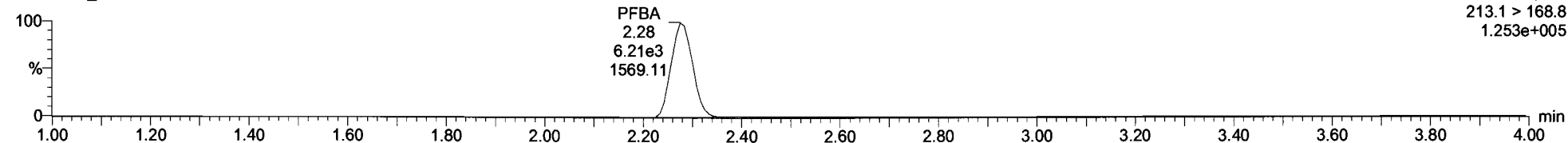
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

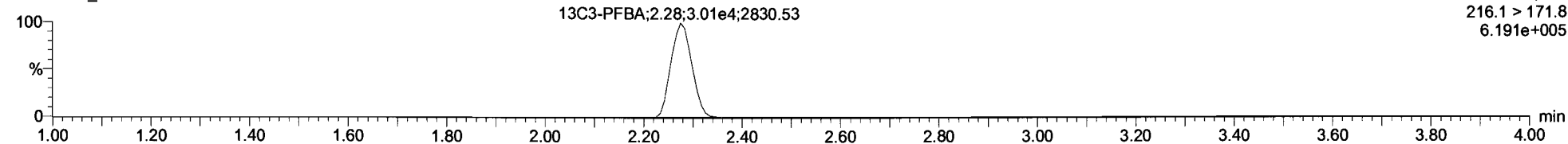
**PFBA**

150508G1\_33



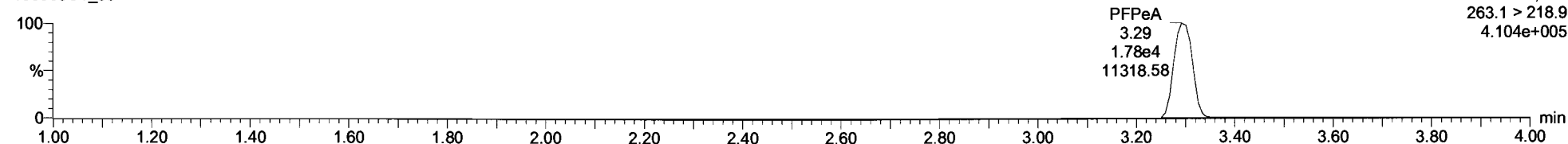
**13C3-PFBA**

150508G1\_33



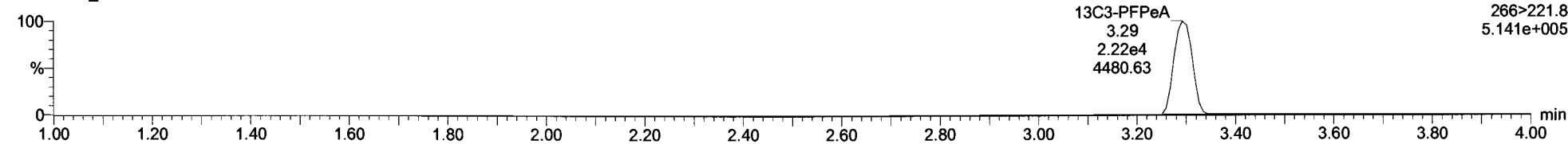
**PFPeA**

150508G1\_33



**13C3-PFPeA**

150508G1\_33



Dataset: Untitled

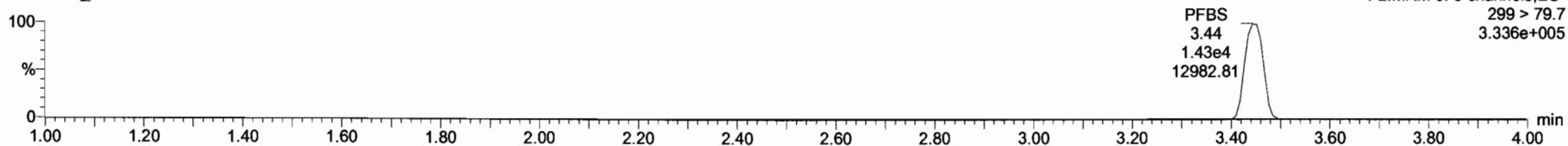
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

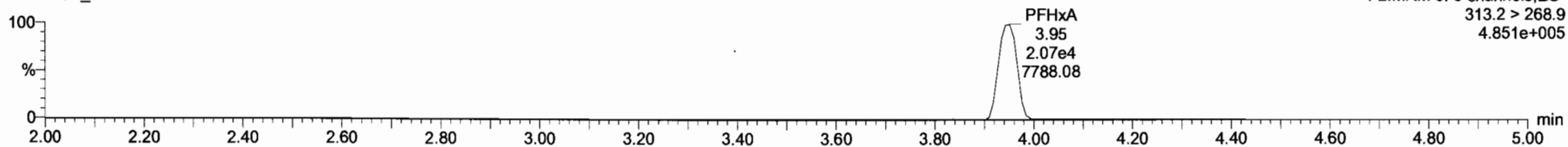
**PFBS**

150508G1\_33



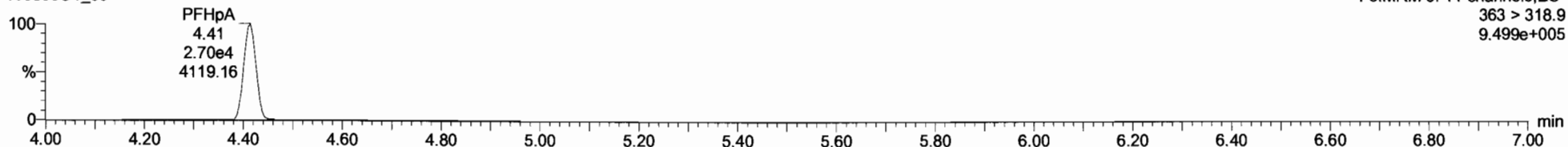
**PFHxA**

150508G1\_33



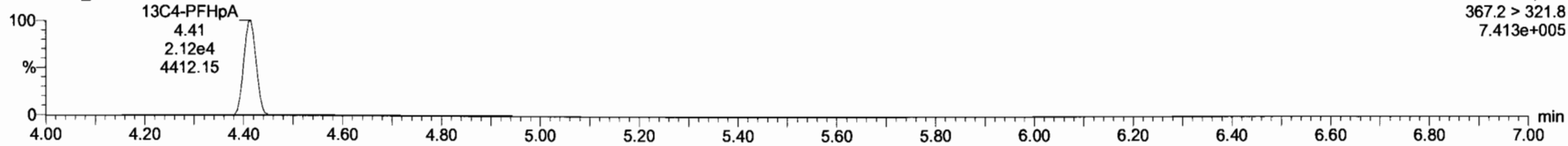
**PFHpA**

150508G1\_33



**13C4-PFHpA**

150508G1\_33



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

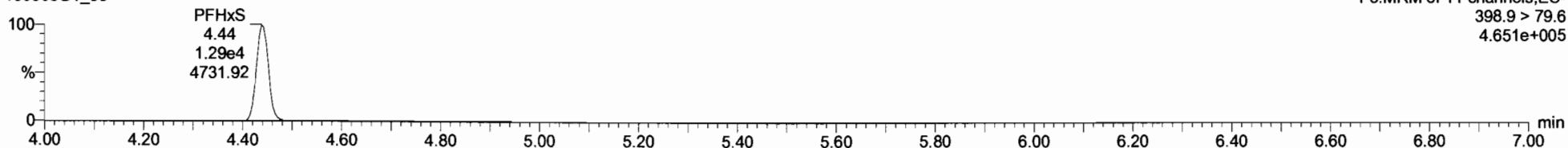
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFHxS**

150508G1\_33

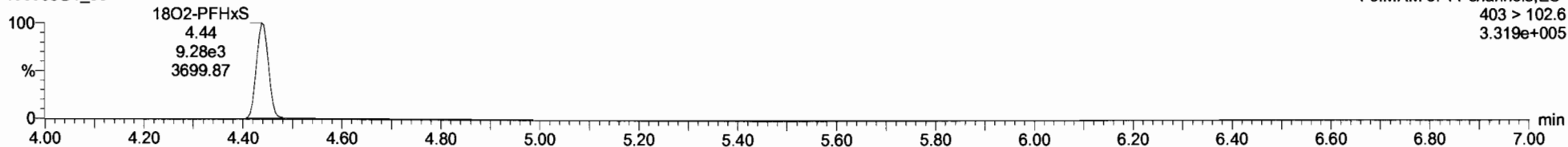
F3:MRM of 11 channels,ES-  
398.9 > 79.6  
4.651e+005



**18O2-PFHxS**

150508G1\_33

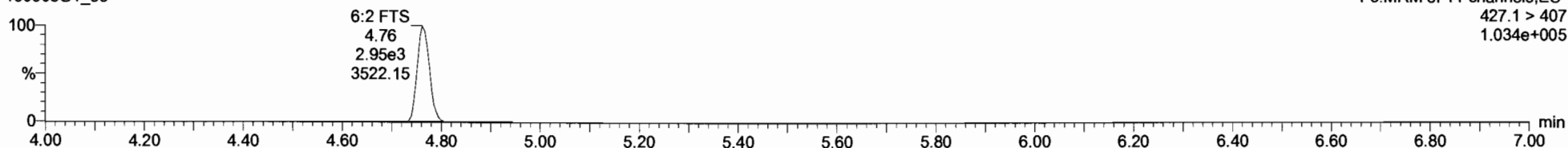
F3:MRM of 11 channels,ES-  
403 > 102.6  
3.319e+005



**6:2 FTS**

150508G1\_33

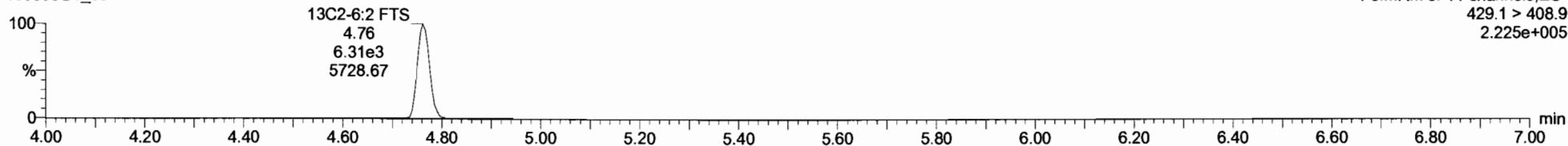
F3:MRM of 11 channels,ES-  
427.1 > 407  
1.034e+005



**13C2-6:2 FTS**

150508G1\_33

F3:MRM of 11 channels,ES-  
429.1 > 408.9  
2.225e+005



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

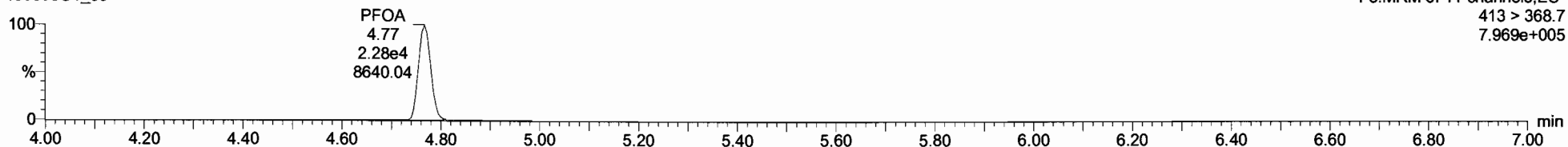
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFOA**

150508G1\_33

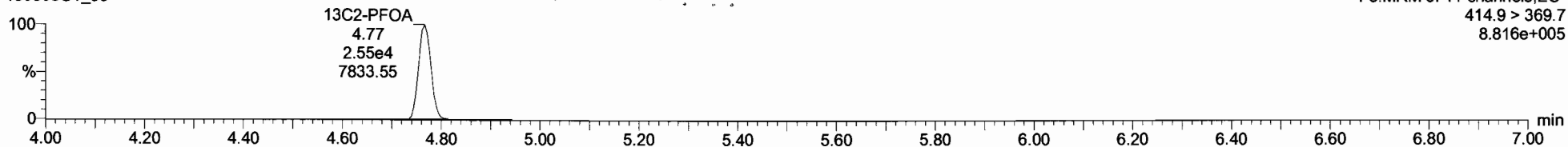
F3:MRM of 11 channels,ES-  
413 > 368.7  
7.969e+005



**13C2-PFOA**

150508G1\_33

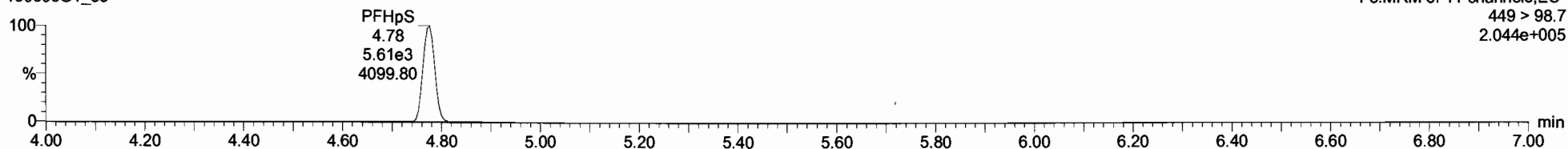
F3:MRM of 11 channels,ES-  
414.9 > 369.7  
8.816e+005



**PFHpS**

150508G1\_33

F3:MRM of 11 channels,ES-  
449 > 98.7  
2.044e+005



Dataset: Untitled

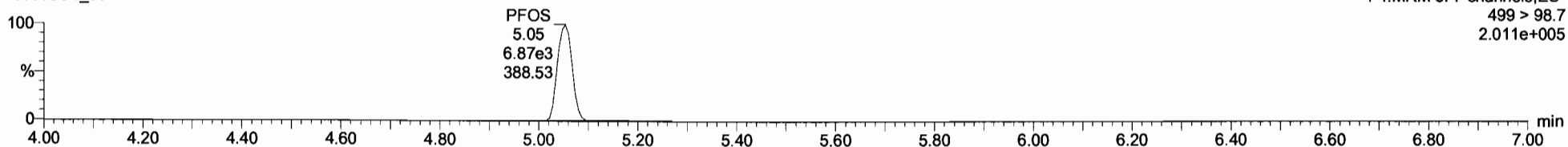
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

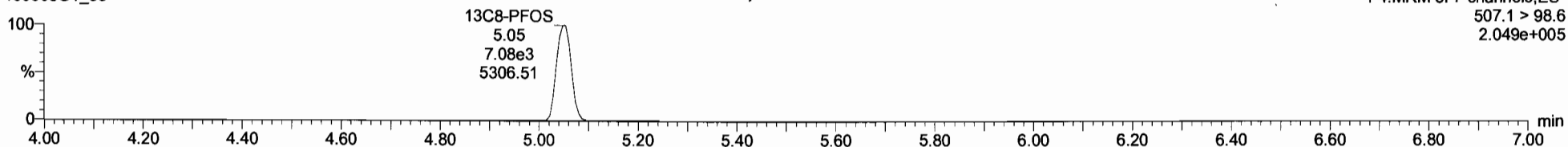
**PFOS**

150508G1\_33



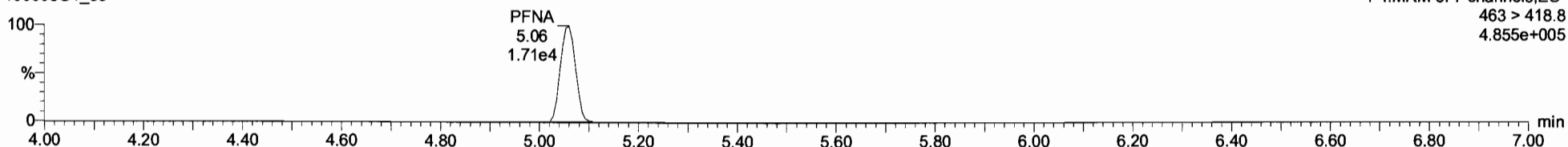
**13C8-PFOS**

150508G1\_33



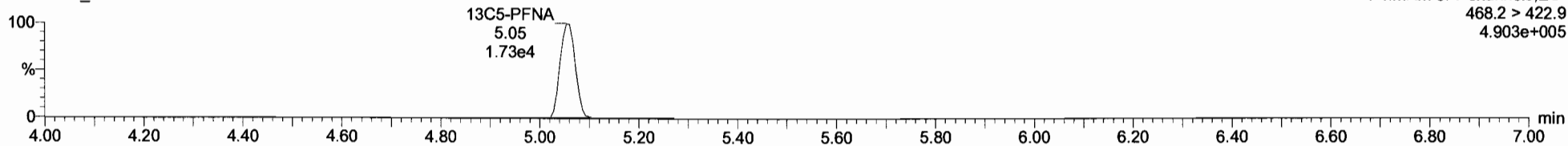
**PFNA**

150508G1\_33



**13C5-PFNA**

150508G1\_33



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

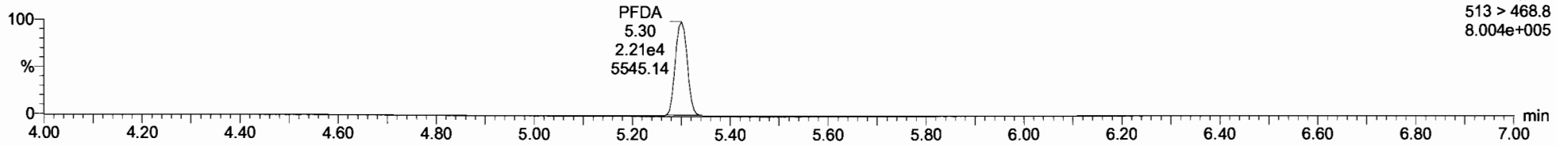
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFDA**

150508G1\_33

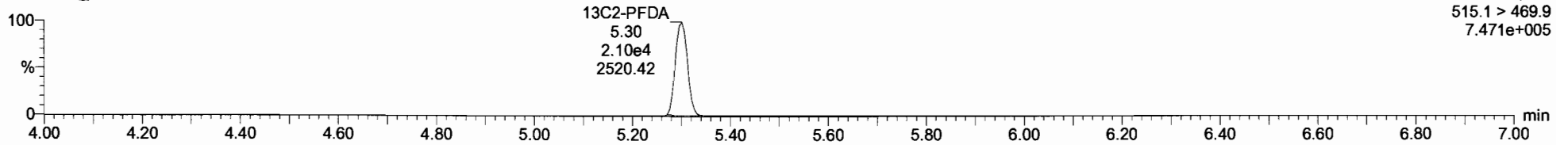
F5:MRM of 12 channels,ES-  
513 > 468.8  
8.004e+005



**13C2-PFDA**

150508G1\_33

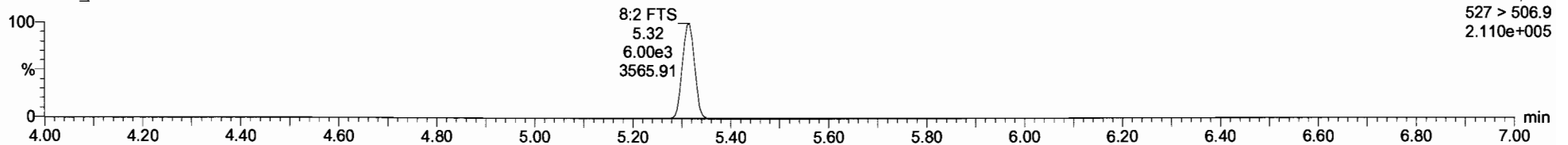
F5:MRM of 12 channels,ES-  
515.1 > 469.9  
7.471e+005



**8:2 FTS**

150508G1\_33

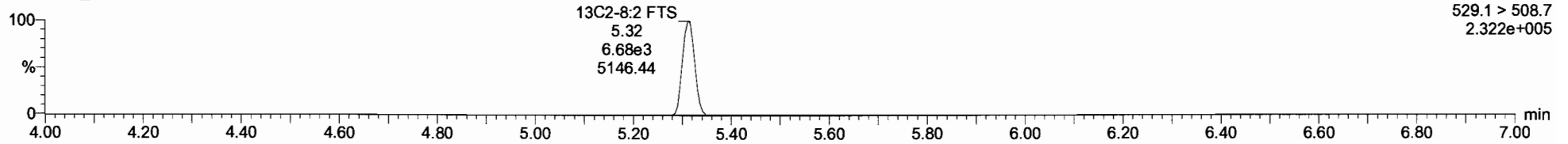
F5:MRM of 12 channels,ES-  
527 > 506.9  
2.110e+005



**13C2-8:2 FTS**

150508G1\_33

F5:MRM of 12 channels,ES-  
529.1 > 508.7  
2.322e+005



Dataset: Untitled

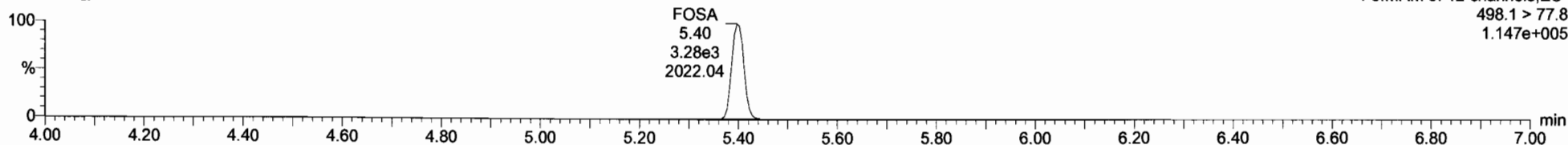
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

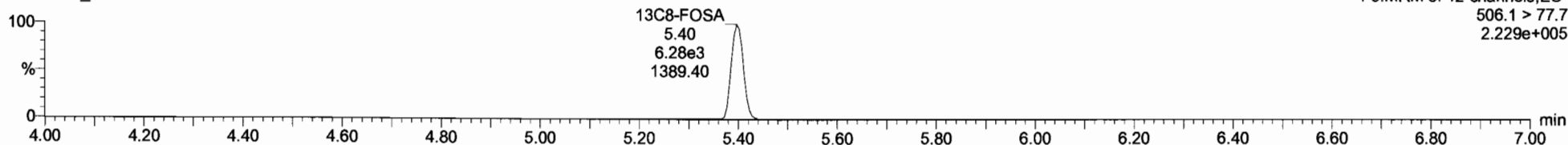
**FOSA**

150508G1\_33



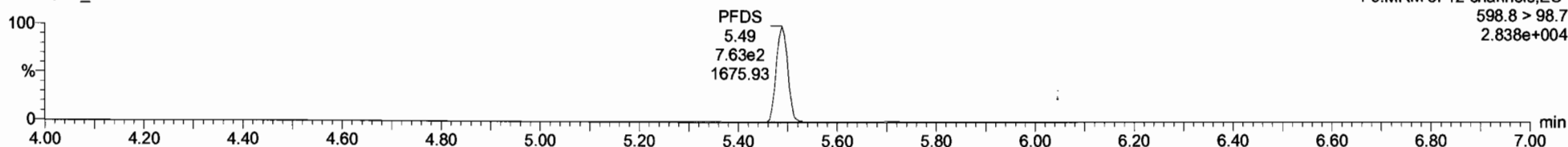
**13C8-FOSA**

150508G1\_33



**PFDS**

150508G1\_33





Dataset: Untitled

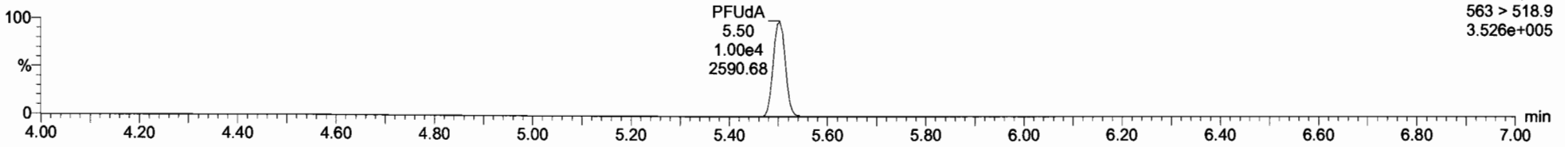
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

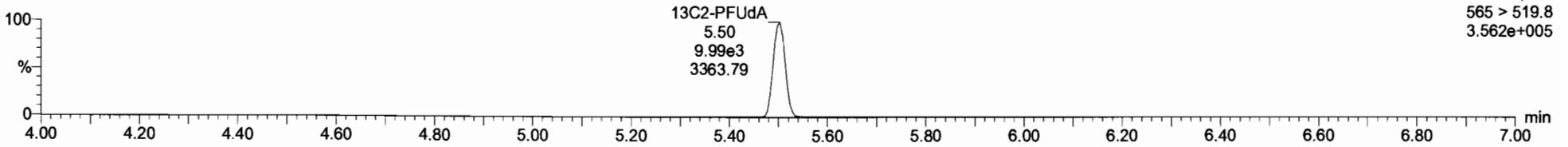
**PFUdA**

150508G1\_33



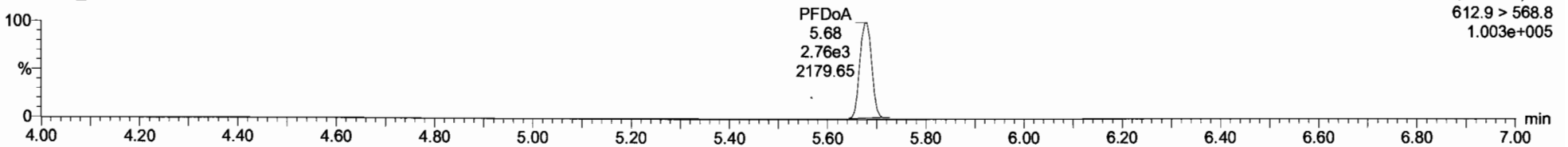
**13C2-PFUdA**

150508G1\_33



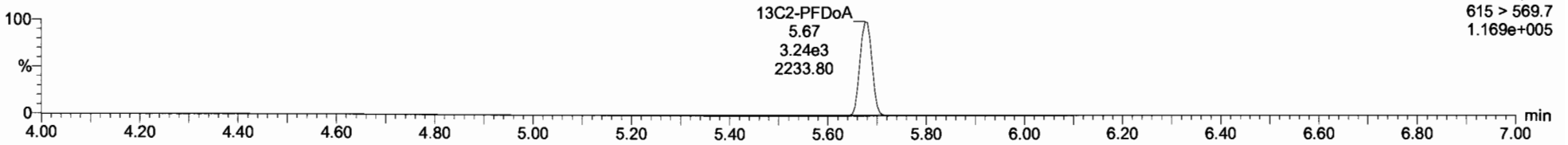
**PFDaA**

150508G1\_33



**13C2-PFDaA**

150508G1\_33



Dataset: Untitled

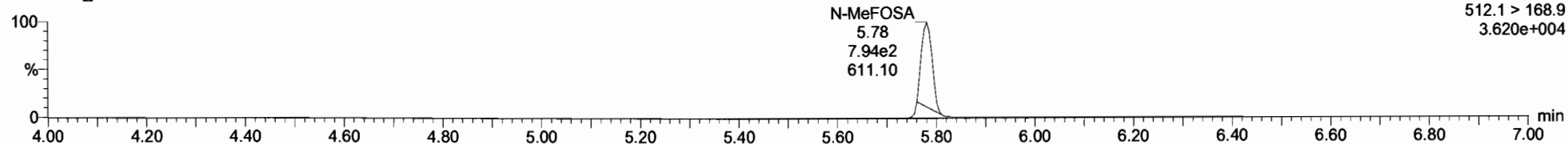
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

### N-MeFOSA

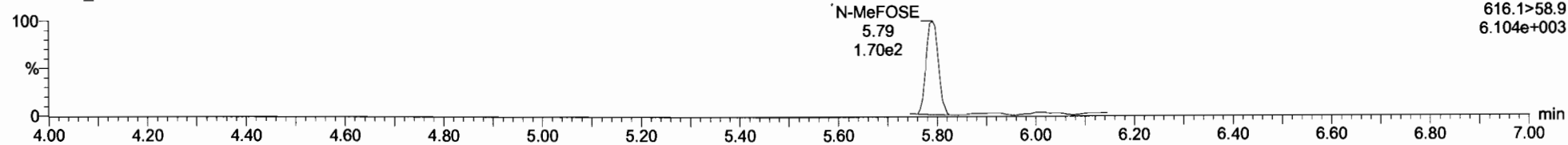
150508G1\_33



F6:MRM of 12 channels,ES-  
512.1 > 168.9  
3.620e+004

### N-MeFOSE

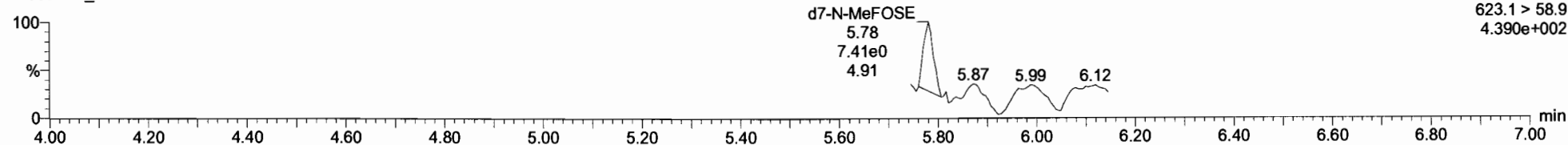
150508G1\_33



F6:MRM of 12 channels,ES-  
616.1 > 58.9  
6.104e+003

### d7-N-MeFOSE

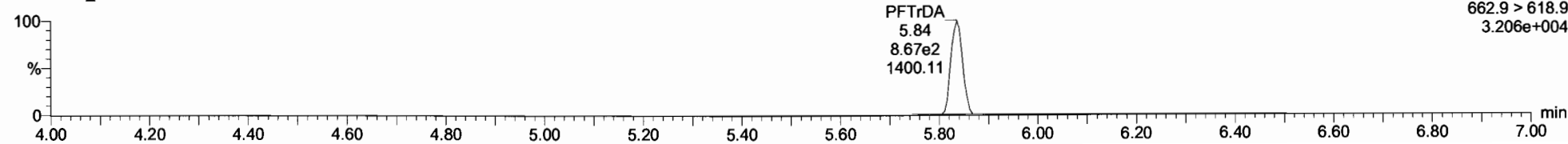
150508G1\_33



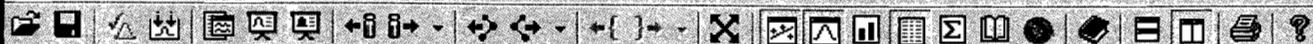
F6:MRM of 12 channels,ES-  
623.1 > 58.9  
4.390e+002

### PFTrDA

150508G1\_33

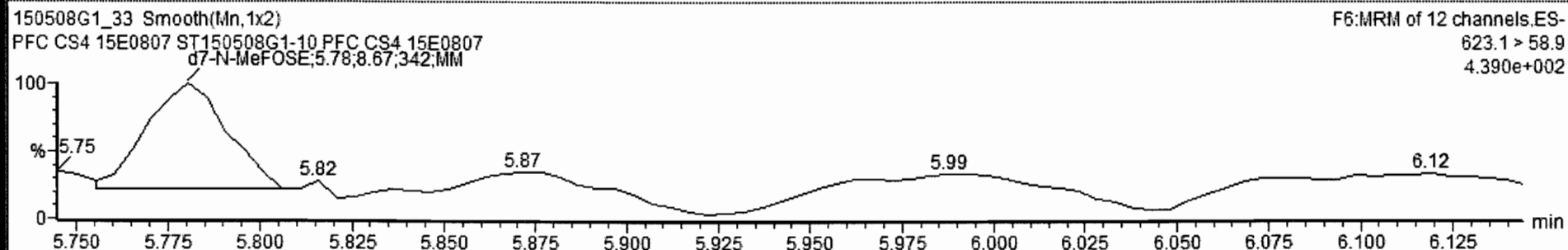
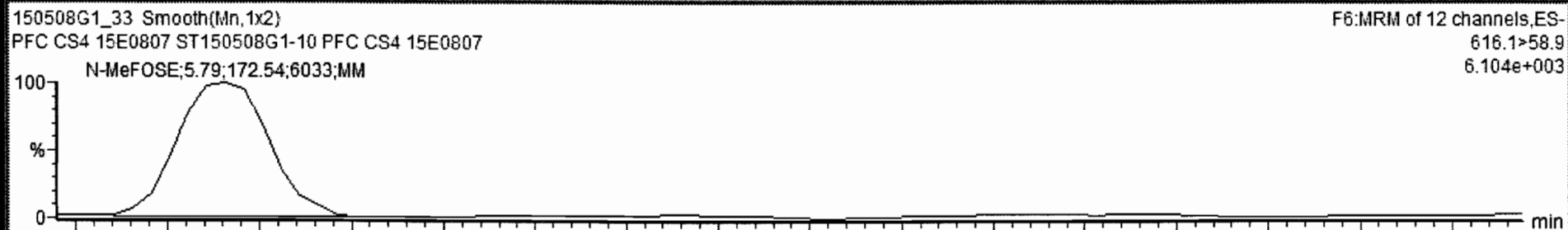


F6:MRM of 12 channels,ES-  
662.9 > 618.9  
3.206e+004



150508G1\_33 - ST150508G1-10 PFC CS4 15E0807 - PFC CS4 15E0807

Name	Trace	Area	RRF	Wt/Vol	Pred.RT	RT	Conc.	>MDL	%Rec	DL
15	PFDS	598.8 > 98.7	7.63e2	1.000	5.49	5.49	19.0	NO	38.0	0.0347820
16	PFUdA	563 > 518.9	1.00e4	1.000	5.50	5.50	48.9	NO	97.9	0.0464688
17	PFDdA	612.9 > 568.8	2.76e3	1.000	5.67	5.68	47.6	NO	95.2	0.0570913
18	N-MeFOSe	512.1 > 168.9	9.74e2	1.000	5.67	5.78	1440	NO	288.8	153.6802703
19	N-MeFOSE	616.1>58.9	1.73e2	1.000	5.67	5.79	1040	NO	207.6	0.0000000
20	PFTTrDA	662.9 > 618.9	8.67e2	1.000	5.85	5.84	42.8	NO	85.5	27.9000532
21	N-EiFOSE	630.1>58.9	2.50e2	1.000	5.89	5.90	464	NO	92.8	4.4331801
22	N-EiFOSe	526.1>168.9	1.01e3	1.000	5.90	5.90	326	NO	65.2	0.3486569
23	PFTeDA	712.9 > 668.8	9.06e2	1.000	6.05	5.97	47.0	NO	94.1	0.2669750
24	PFHxDA	813.1>768.6	1.19e4	1.000	6.21	6.20	53.9	NO	107.7	0.0216707
25	PFODA	913.1>868.8	3.48e4	1.000	6.39	6.44	84.6	NO	169.1	0.0253254
26	13C3-PFBA	216.1 > 171.8	3.01e4	1.04	2.27	2.28	57.9	NO	115.7	0.0507602
27	13C3-PFPeA	266>221.8	2.22e4	0.976	3.28	3.29	46.0	NO	91.9	0.0255647



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

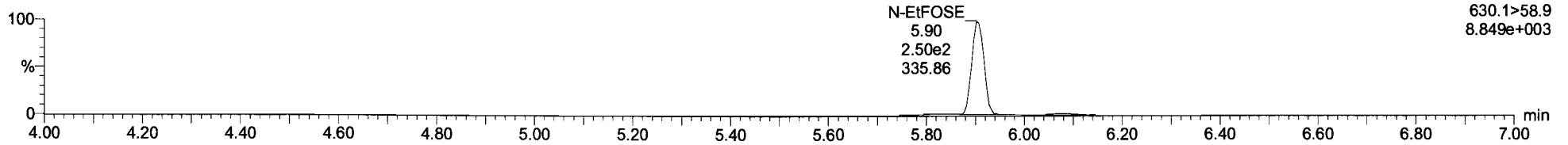
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

**N-EtFOSE**

150508G1\_33

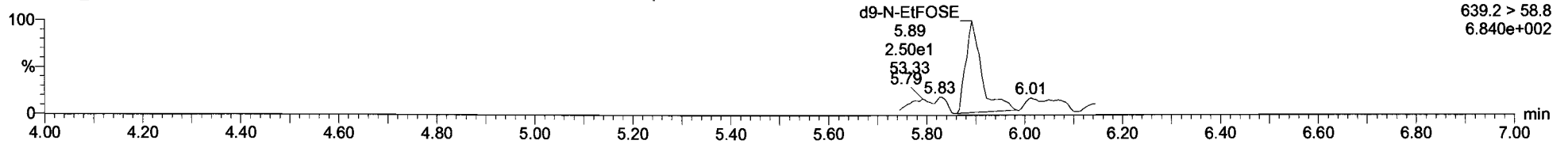
F6:MRM of 12 channels,ES-  
630.1>58.9  
8.849e+003



**d9-N-EtFOSE**

150508G1\_33

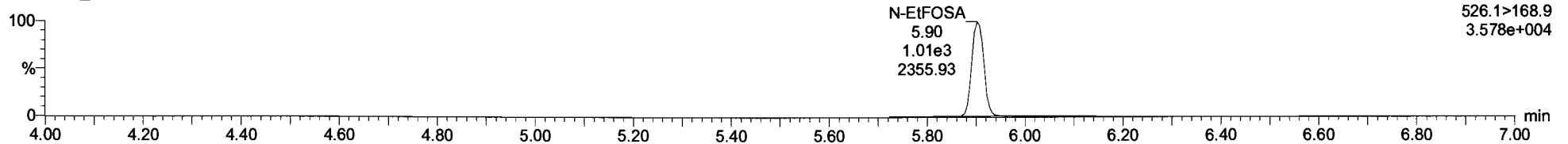
F6:MRM of 12 channels,ES-  
639.2 > 58.8  
6.840e+002



**N-EtFOSA**

150508G1\_33

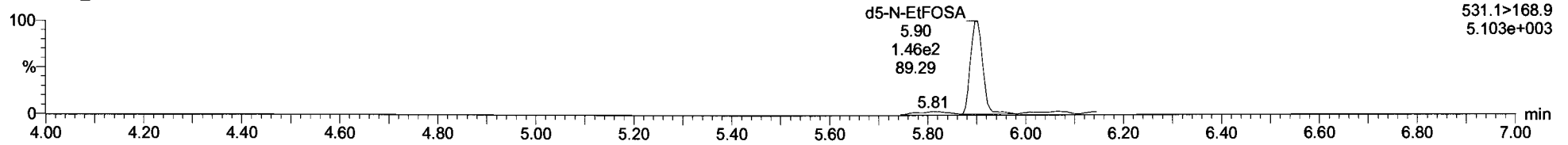
F6:MRM of 12 channels,ES-  
526.1>168.9  
3.578e+004



**d5-N-EtFOSA**

150508G1\_33

F6:MRM of 12 channels,ES-  
531.1>168.9  
5.103e+003



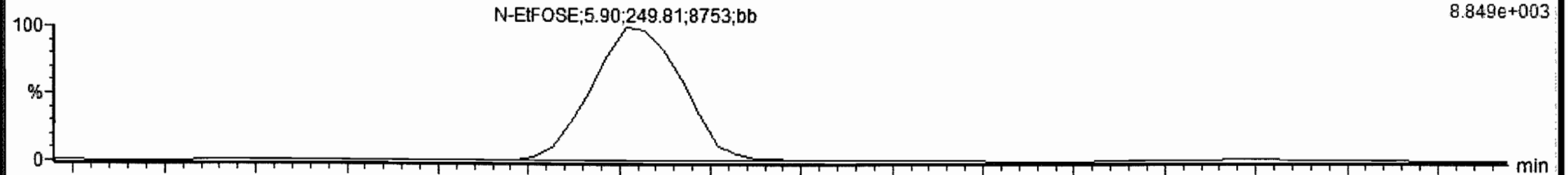


150508G1\_33 - ST150508G1-10 PFC CS4 15E0807 - PFC CS4 15E0807

Name	Trace	Area	RRF	Wt/Vol	Pred RT	RT	Conc.	>MDL	%Rec	DL
15	PFDS	598.8 > 98.7	7.63e2	1.000	5.49	5.49	19.0	NO	38.0	0.0347820
16	PFUdA	563 > 518.9	1.00e4	1.000	5.50	5.50	48.9	NO	97.9	0.0464688
17	PFDdA	612.9 > 568.8	2.76e3	1.000	5.67	5.68	47.6	NO	95.2	0.0570913
18	N-MeFOSA	512.1 > 168.9	9.74e2	1.000	5.67	5.78	1440	NO	288.8	153.6802703
19	N-MeFOSE	616.1 > 58.9	1.73e2	1.000	5.67	5.79	1040	NO	207.6	0.0000000
20	PFTrDA	662.9 > 618.9	8.67e2	1.000	5.85	5.84	42.8	NO	85.5	27.9000532
21	N-EtFOSE	630.1 > 58.9	2.50e2	1.000	5.89	5.90	542	NO	108.4	4.3741446
22	N-EtFOSA	526.1 > 168.9	1.01e3	1.000	5.90	5.90	326	NO	65.2	0.3486569
23	PFTeDA	712.9 > 668.8	9.06e2	1.000	6.05	5.97	47.0	NO	94.1	0.2669750
24	PFHxDA	813.1 > 768.6	1.19e4	1.000	6.21	6.20	53.9	NO	107.7	0.0216707
25	PFODA	913.1 > 868.8	3.48e4	1.000	6.39	6.44	84.6	NO	169.1	0.0253254
26	13C3-PFBA	216.1 > 171.8	3.01e4	1.04	2.27	2.28	57.9	NO	115.7	0.0507602
27	13C3-PFPeA	266 > 221.8	2.22e4	0.976	3.28	3.29	46.0	NO	91.9	0.0255647

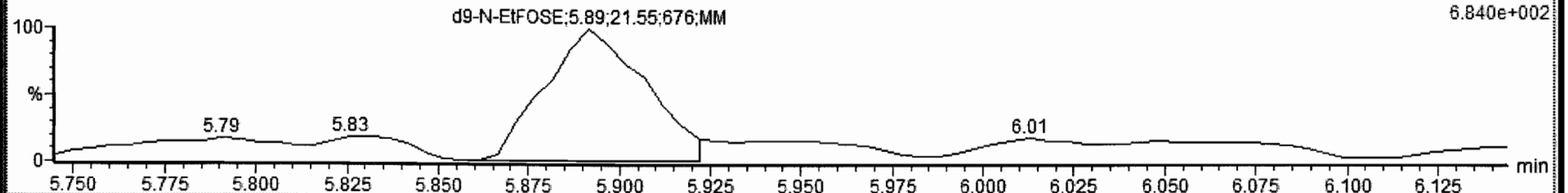
150508G1\_33 Smooth(Mn,1x2)  
PFC CS4 15E0807 ST150508G1-10 PFC CS4 15E0807

F6:MRM of 12 channels,ES-  
630.1>58.9  
8.849e+003



150508G1\_33 Smooth(Mn,1x2)  
PFC CS4 15E0807 ST150508G1-10 PFC CS4 15E0807

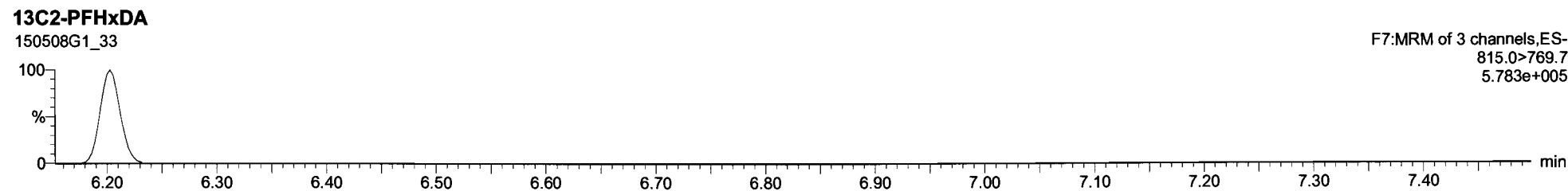
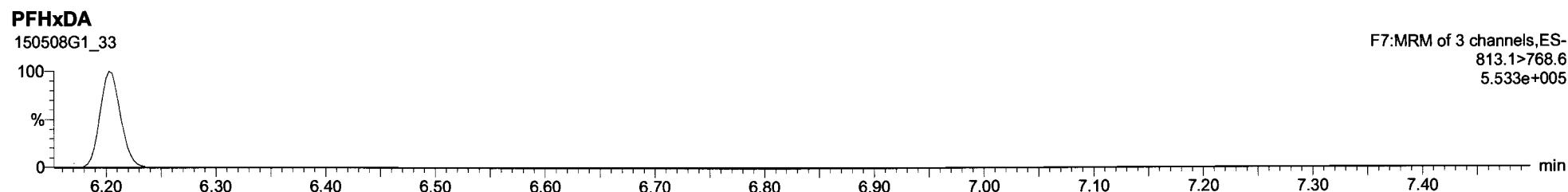
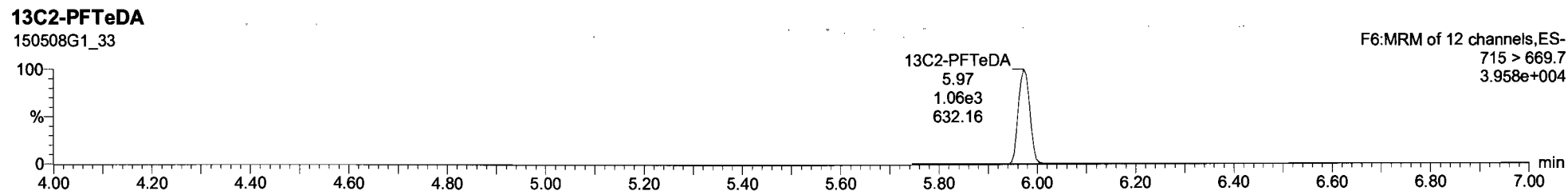
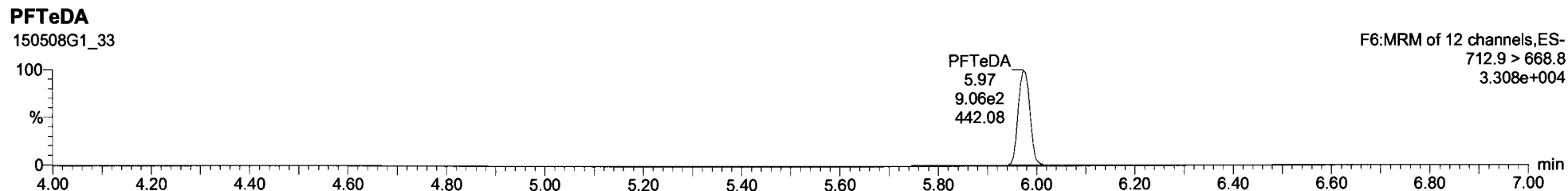
F6:MRM of 12 channels,ES-  
639.2 > 58.8  
6.840e+002



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

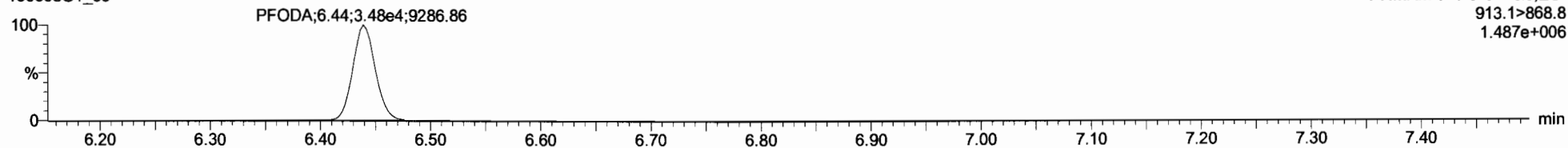
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFODA**

150508G1\_33

F7:MRM of 3 channels,ES-  
913.1>868.8  
1.487e+006



Dataset: Untitled

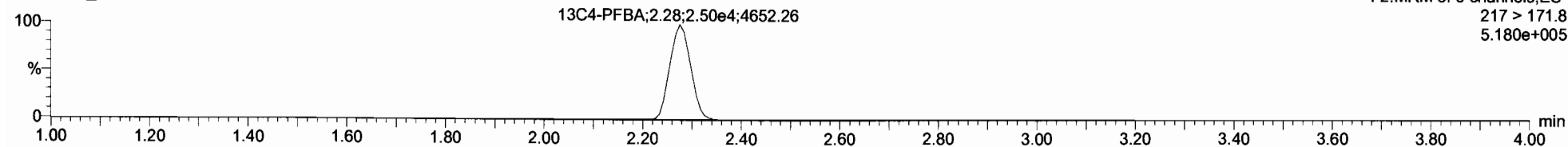
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

**13C4-PFBA**

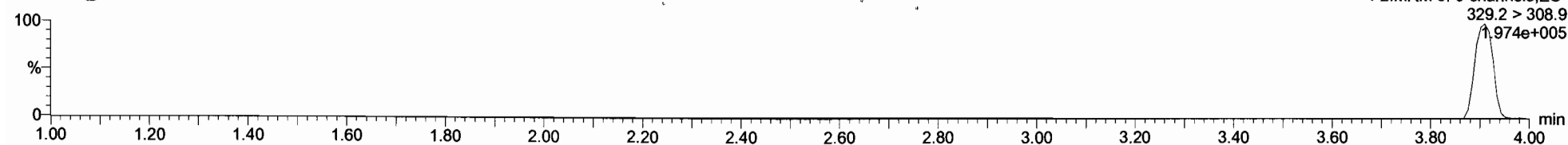
150508G1\_33



F2:MRM of 9 channels,ES-  
217 > 171.8  
5.180e+005

**13C2-4:2 FTS**

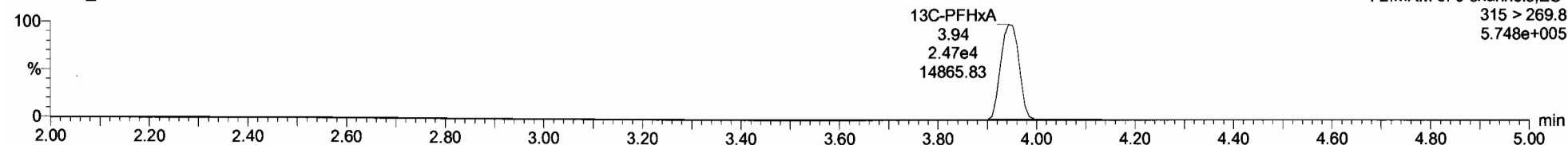
150508G1\_33



F2:MRM of 9 channels,ES-  
329.2 > 308.9  
1.974e+005

**13C-PFHxA**

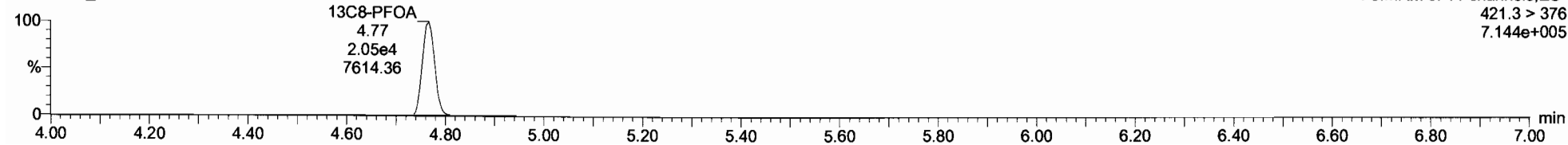
150508G1\_33



F2:MRM of 9 channels,ES-  
315 > 269.8  
5.748e+005

**13C8-PFOA**

150508G1\_33



F3:MRM of 11 channels,ES-  
421.3 > 376  
7.144e+005



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

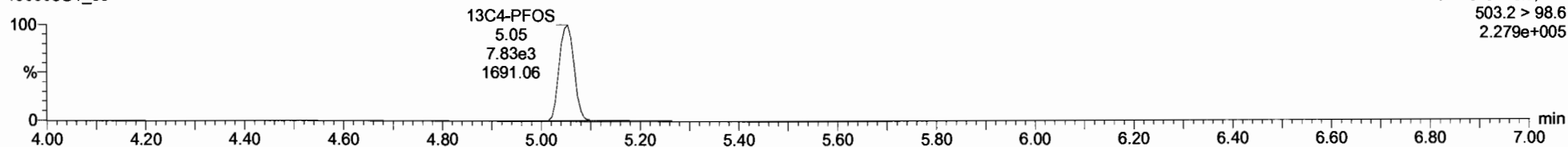
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

**13C4-PFOS**

150508G1\_33

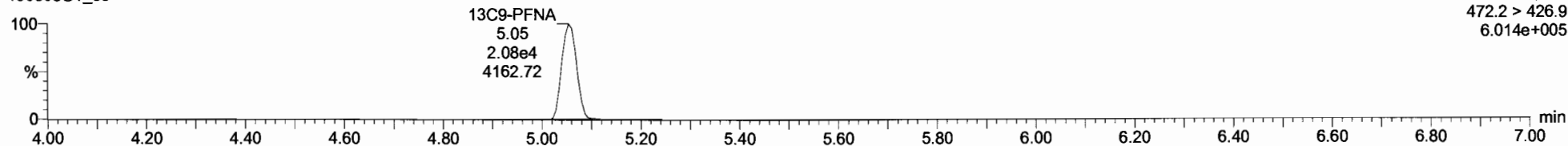
F4:MRM of 7 channels,ES-  
503.2 > 98.6  
2.279e+005



**13C9-PFNA**

150508G1\_33

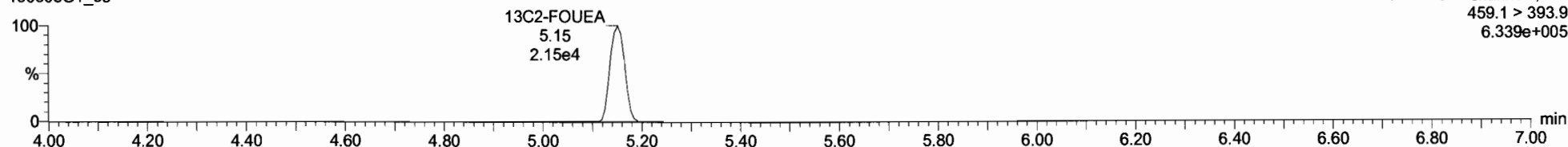
F4:MRM of 7 channels,ES-  
472.2 > 426.9  
6.014e+005



**13C2-FOUEA**

150508G1\_33

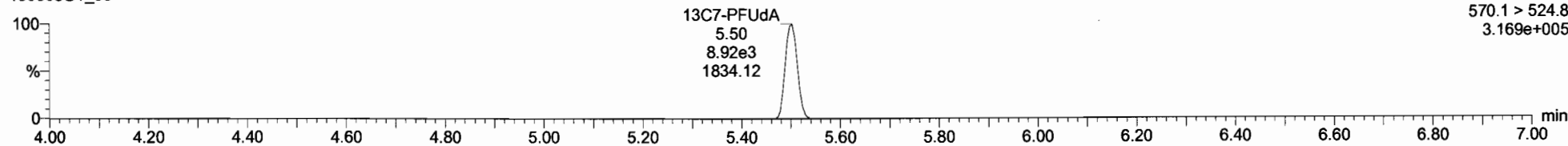
F4:MRM of 7 channels,ES-  
459.1 > 393.9  
6.339e+005



**13C7-PFUdA**

150508G1\_33

F5:MRM of 12 channels,ES-  
570.1 > 524.8  
3.169e+005



Dataset: Untitled

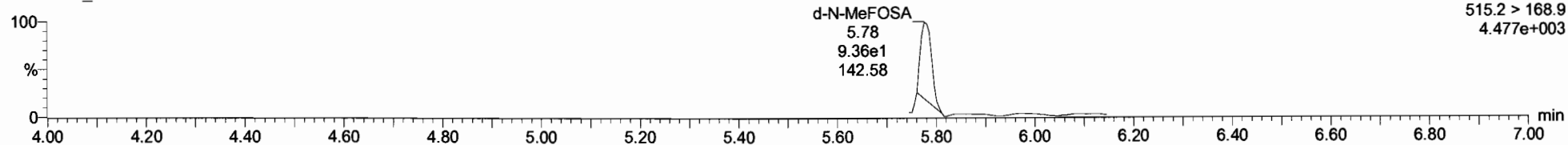
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

**d-N-MeFOSA**

150508G1\_33

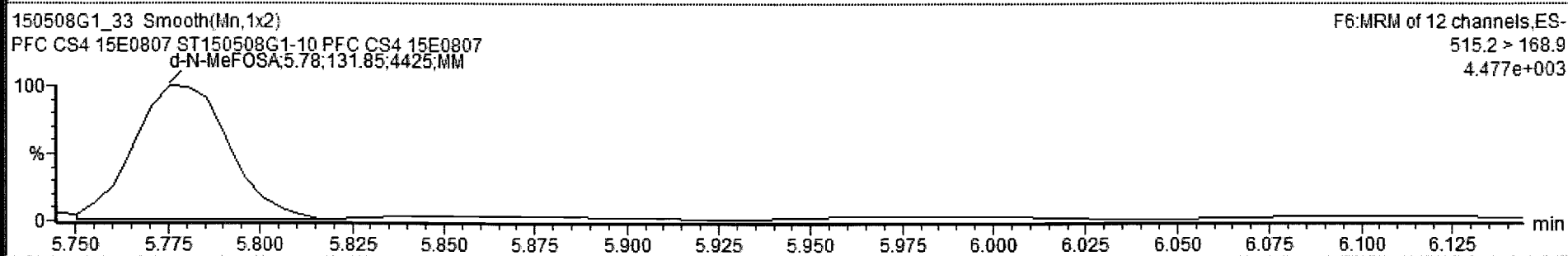
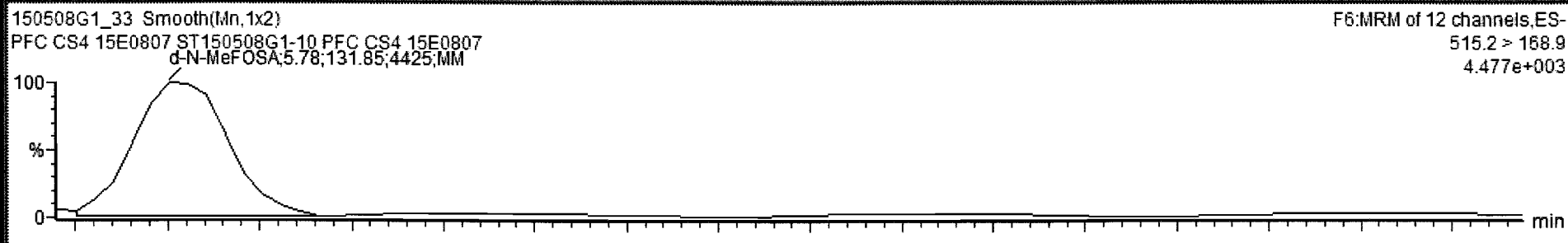
F6:MRM of 12 channels,ES-  
515.2 > 168.9  
4.477e+003





150508G1\_33 - ST150508G1-10 PFC CS4 15E0807 - PFC CS4 15E0807

	Name	Trace	Area	RRF	Wt/Vol	Pred.RT	RT	Conc.	>MDL	%Rec	DL
41	d5-N-EtFOSA	531.1>168.9	1.46e2	0.970	1.000	5.89	5.90	57.2	NO	114.4	1.6517842
42	13C2-PFTeDA	715 > 669.7	1.06e3	1.42	1.000	5.95	5.97	4.22	NO	8.4	0.0174346
43	13C2-PFHxDA	815.0>769.7	1.21e4	2.52	1.000	6.17	6.20	27.0	NO	53.9	0.0117030
44	13C4-PFBA	217 > 171.8	2.50e4	1.00	1.000	2.22	2.28	50.0	NO	100.0	0.0268687
45	13C2-4:2 FTS	329.2 > 308.9	8.34e3	1.00	1.000	3.84	3.91	50.0	NO	100.0	0.0141449
46	13C-PFHxA	315 > 269.8	2.47e4	1.00	1.000	3.88	3.94	50.0	NO	100.0	0.0084085
47	13C8-PFOA	421.3 > 376	2.05e4	1.00	1.000	4.70	4.77	50.0	NO	100.0	0.0164163
48	13C4-PFOS	503.2 > 98.6	7.83e3	1.00	1.000	4.99	5.05	50.0	NO	100.0	0.0739180
49	13C2-FOUEA	459.1 > 393.9	2.15e4	1.00	1.000	5.09	5.15	50.0	NO	100.0	0.0000000
50	13C9-PFNA	472.2 > 426.9	2.08e4	1.00	1.000	5.07	5.05	50.0	NO	100.0	0.0300284
51	13C7-PFUdA	570.1 > 524.8	8.92e3	1.00	1.000	5.46	5.50	50.0	NO	100.0	0.0681527
52	d-N-MeFOSA	515.2 > 168.9	1.32e2	1.00	1.000	5.79	5.78	50.0	NO	100.0	0.7130591
53	Total PFBS	299 > 79.7	1.43e4		1.000	3.46		50.1	NO		



Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_48.qld

Last Altered: Tuesday, May 12, 2015 15:38:02 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 15:38:52 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	1 PFBA	213.1 > 168.8	6.28e3	3.02e4	1.000	1.000	2.28	38.1	76.2
2	2 PFPeA	263.1 > 218.9	1.76e4	2.14e4	1.000	1.000	3.29	47.9	95.9
3	3 PFBS	299 > 79.7	1.49e4	9.73e3	1.000	1.000	3.45	49.8	99.7
4	4 PFHxA	313.2 > 268.9	1.97e4	2.15e4	1.000	1.000	3.95	37.4	74.7
5	5 PFHpA	363 > 318.9	2.62e4	2.15e4	1.000	1.000	4.41	47.6	95.1
6	6 PFHxS	398.9 > 79.6	1.26e4	9.73e3	1.000	1.000	4.44	48.1	96.1
7	7 6:2 FTS	427.1 > 407	2.97e3	6.60e3	1.000	1.000	4.76	47.5	95.0
8	8 PFOA	413 > 368.7	2.24e4	2.48e4	1.000	1.000	4.77	47.6	95.3
9	9 PFHpS	449 > 98.7	5.24e3	9.73e3	1.000	1.000	4.78	43.7	87.4
10	10 PFOS	499 > 98.7	6.87e3	6.87e3	1.000	1.000	5.05	47.2	94.4
11	11 PFNA	463 > 418.8	1.73e4	1.70e4	1.000	1.000	5.06	54.7	109.5
12	12 PFDA	513 > 468.8	2.05e4	1.87e4	1.000	1.000	5.30	48.0	96.0
13	13 8:2 FTS	527 > 506.9	5.59e3	6.22e3	1.000	1.000	5.32	47.7	95.5
14	14 FOSA	498.1 > 77.8	2.29e3	4.61e3	1.000	1.000	5.40	43.4	86.8
15	15 PFDS	598.8 > 98.7	6.12e2	1.87e4	1.000	1.000	5.49	17.3	34.7
16	16 PFuDA	563 > 518.9	7.55e3	8.08e3	1.000	1.000	5.50	45.5	91.1
17	17 PFDoA	612.9 > 568.8	1.87e3	2.34e3	1.000	1.000	5.68	44.9	89.7
18	18 N-MeFOSA	512.1 > 168.9	5.89e2	1.05e1	1.000	1.000	5.78	1040	207.5
19	19 N-MeFOSE	616.1 > 58.9	1.35e2	1.05e1	1.000	1.000	5.79	731	146.2
20	20 PFTrDA	662.9 > 618.9	6.61e2	8.08e3	1.000	1.000	5.84	42.1	84.3
21	21 N-EtFOSE	630.1 > 58.9	2.05e2	3.09e1	1.000	1.000	5.90	305	61.0
22	22 N-EtFOSA	526.1 > 168.9	6.93e2	5.37e1	1.000	1.000	5.90	617	123.4
23	23 PFTeDA	712.9 > 668.8	6.65e2	7.77e2	1.000	1.000	5.97	47.3	94.6
24	24 PFHxDA	813.1 > 768.6	8.86e3	9.06e3	1.000	1.000	6.20	53.7	107.4
25	25 PFOA	913.1 > 868.8	3.43e4	9.06e3	1.000	1.000	6.44	106	212.6
26	26 13C3-PFBA	216.1 > 171.8	3.02e4	2.48e4	1.039	1.000	2.28	58.7	117.4
27	27 13C3-PFPeA	266 > 221.8	2.14e4	2.44e4	0.976	1.000	3.29	44.9	89.8
28	28 13C4-PFHpA	367.2 > 321.8	2.15e4	2.44e4	0.850	1.000	4.41	52.0	104.0
29	29 18O2-PFHxS	403 > 102.6	9.73e3	2.44e4	0.420	1.000	4.44	47.5	95.1
30	30 13C2-6:2 FTS	429.1 > 408.9	6.60e3	7.42e3	0.739	1.000	4.76	60.2	120.5
31	31 13C2-PFOA	414.9 > 369.7	2.48e4	2.06e4	1.160	1.000	4.77	51.9	103.8

① outside method limits. OK per MM  
AC 5/14/15  
1/2 5/11/15

70-130  
60-150  
40-150  
60-150

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_48.qld

Last Altered: Tuesday, May 12, 2015 15:38:02 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 15:38:52 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	13C8-PFOS	507.1 > 98.6	6.87e3	7.63e3	0.939	1.000	5.05	47.9	95.9
33	13C5-PFNA	468.2 > 422.9	1.70e4	2.00e4	0.915	1.000	5.05	46.5	92.9
34	13C2-PFDA	515.1 > 469.9	1.87e4	2.00e4	1.149	1.000	5.30	40.8	81.5
35	13C2-8:2 FTS	529.1 > 508.7	6.22e3	7.42e3	0.918	1.000	5.32	45.7	91.4
36	13C8-FOSA	506.1 > 77.7	4.61e3	6.73e3	0.728	1.000	5.40	47.0	94.1
37	13C2-PFUdA	565 > 519.8	8.08e3	6.73e3	1.148	1.000	5.50	52.3	104.5
38	13C2-PFDoA	615 > 569.7	2.34e3	6.73e3	0.827	1.000	5.68	21.0	42.0
39	d7-N-MeFOSE	623.1 > 58.9	1.05e1	5.99e1	0.597	1.000	5.79	14.7	29.4
40	d9-N-EtFOSE	639.2 > 58.8	3.09e1	5.99e1	0.656	1.000	5.90	39.4	78.8
41	d5-N-EtFOSA	531.1 > 168.9	5.37e1	5.99e1	0.970	1.000	5.90	46.2	92.4
42	13C2-PFTeDA	715 > 669.7	7.77e2	6.73e3	1.415	1.000	5.97	4.08	8.2
43	13C2-PFHxDA	815.0 > 769.7	9.06e3	6.73e3	2.520	1.000	6.20	26.7	53.4
44	13C4-PFBA	217 > 171.8	2.48e4	2.48e4	1.000	1.000	2.28	50.0	100.0
45	13C2-4:2 FTS	329.2 > 308.9	7.42e3	7.42e3	1.000	1.000	3.91	50.0	100.0
46	13C-PFHxA	315 > 269.8	2.44e4	2.44e4	1.000	1.000	3.95	50.0	100.0
47	13C8-PFOA	421.3 > 376	2.06e4	2.06e4	1.000	1.000	4.77	50.0	100.0
48	13C4-PFOS	503.2 > 98.6	7.63e3	7.63e3	1.000	1.000	5.05	50.0	100.0
49	13C2-FOUEA	459.1 > 393.9	2.17e4	2.17e4	1.000	1.000	5.15	50.0	100.0
50	13C9-PFNA	472.2 > 426.9	2.00e4	2.00e4	1.000	1.000	5.05	50.0	100.0
51	13C7-PFUdA	570.1 > 524.8	6.73e3	6.73e3	1.000	1.000	5.50	50.0	100.0
52	d-N-MeFOSA	515.2 > 168.9	5.99e1	5.99e1	1.000	1.000	5.78	50.0	100.0

ⓐ outside method limits. OK per MM.

AC 5/12/15

ⓐ 8.2  
↓  
30-150  
↓

Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 09:03:01 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 09:03:35 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULLL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	150508G1_1	ST150508G1-1 PFC CS-1 15E0809	08-May-15	15:45:33
2	150508G1_2	ST150508G1-2 PFC CS0 15E0810	08-May-15	15:58:17
3	150508G1_3	ST150508G1-3 PFC CS1 15E0811	08-May-15	16:10:59
4	150508G1_4	ST150508G1-4 PFC CS2 15E0812	08-May-15	16:23:40
5	150508G1_5	ST150508G1-5 PFC CS3 15E0813	08-May-15	16:36:21
6	150508G1_6	ST150508G1-6 PFC CS4 15E0807	08-May-15	16:49:03
7	150508G1_7	ST150508G1-7 PFC CS5 15E0814	08-May-15	17:01:44
8	150508G1_8	ST150508G1-8 PFC CS6 15E0815	08-May-15	17:14:26
9	150508G1_9	SS150508G1-1 PFC SSS 15D2417	08-May-15	17:27:08
10	150508G1_10	B5E0029-BS1 OPR 1	08-May-15	17:39:49
11	150508G1_11	B5E0030-BS1 OPR 0.125	08-May-15	17:52:30
12	150508G1_12	Methanol	08-May-15	18:05:11
13	150508G1_13	Methanol	08-May-15	18:17:53
14	150508G1_14	B5E0029-BLK1 Method Blank 1	08-May-15	18:30:34
15	150508G1_15	B5E0030-BLK1 Method Blank 0.125	08-May-15	18:43:16
16	150508G1_16	1500395-01RE2 Resin C1-R 0.0005	08-May-15	18:55:59
17	150508G1_17	1500395-04RE2 Resin C2-R 0.0005	08-May-15	19:08:40
18	150508G1_18	B5E0029-DUP1 Duplicate 1.03	08-May-15	19:21:21
19	150508G1_19	B5E0029-DUP2 Duplicate 1.02	08-May-15	19:34:03
20	150508G1_20	B5E0029-DUP3 Duplicate 1.02	08-May-15	19:46:41
21	150508G1_21	1400880-07RE3 BERGS-SO-018 1.06	08-May-15	19:59:24
22	150508G1_22	Methanol	08-May-15	20:12:05
23	150508G1_23	Methanol	08-May-15	20:24:47
24	150508G1_24	ST150508G1-9 PFC CS4 15E0807	08-May-15	20:37:29
25	150508G1_25	Methanol	08-May-15	20:50:09
26	150508G1_26	Methanol	08-May-15	21:02:52
27	150508G1_27	1500203-01RE3 MARCH-SO-018s 1.08	08-May-15	21:15:34
28	150508G1_28	1500209-05RE4 MCCLN-SD-007 1.13	08-May-15	21:28:15
29	150508G1_29	B5E0029-MS1 Matrix Spike 1.14	08-May-15	21:40:56
30	150508G1_30	B5E0029-MSD1 Matrix Spike Dup 1.13	08-May-15	21:53:39
31	150508G1_31	Methanol	08-May-15	22:06:21

Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 09:03:01 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 09:03:35 Pacific Daylight Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	150508G1_32	Methanol	08-May-15	22:19:03
33	150508G1_33	ST150508G1-10 PFC CS4 15E0807	08-May-15	22:31:45
34	150508G1_34	Methanol	08-May-15	22:44:25
35	150508G1_35	Methanol	08-May-15	22:57:07
36	150508G1_36	B5E0032-BS1 OPR 1	08-May-15	23:09:50
37	150508G1_37	B5E0032-BLK1 Method Blank 1	08-May-15	23:22:30
38	150508G1_38	1500410-01 PA104-SB28-0608 1.46	08-May-15	23:35:12
39	150508G1_39	1500410-02 PA113C-SB11-0103 1.53	08-May-15	23:47:52
40	150508G1_40	B5E0032-DUP1 Duplicate 1.42	09-May-15	00:00:34
41	150508G1_41	B5E0032-DUP2 Duplicate 1.11	09-May-15	00:13:16
42	150508G1_42	B5E0032-DUP3 Duplicate 1.19	09-May-15	00:25:58
43	150508G1_43	B5E0032-DUP4 Duplicate 1.15	09-May-15	00:38:40
44	150508G1_44	B5E0032-DUP5 Duplicate 3.03	09-May-15	00:51:22
45	150508G1_45	1400880-07RE4 BERGS-SO-018 1.29	09-May-15	01:04:05
46	150508G1_46	Methanol	09-May-15	07:15:04
47	150508G1_47	Methanol	09-May-15	07:27:44
48	150508G1_48	ST150508G1-11 PFC CS4 15E0807	09-May-15	07:40:25
49	150508G1_49	Methanol	09-May-15	07:53:06
50	150508G1_50	Methanol	09-May-15	08:05:48
51	150508G1_51	1400944-03RE1 LOWRY-SO-011 1.22	09-May-15	08:18:30
52	150508G1_52	1400952-02RE1 CHNTE-SD-001 1.55	09-May-15	08:31:09
53	150508G1_53	1500203-01RE4 MARCH-SO-018s 1.1	09-May-15	08:43:51
54	150508G1_54	1500209-05RE5 MCCLN-SD-007 2.76	09-May-15	08:56:33
55	150508G1_55	B5E0032-MS1 Matrix Spike 1.29	09-May-15	09:09:14
56	150508G1_56	B5E0032-MSD1 Matrix Spike Dup 1.35	09-May-15	09:21:55
57	150508G1_57	Methanol	09-May-15	09:34:36
58	150508G1_58	Methanol	09-May-15	09:47:18
59	150508G1_59	ST150508G1-12 PFC CS4 15E0807	09-May-15	09:59:58
60	150508G1_60	Methanol	09-May-15	10:12:39
61	150508G1_61	Methanol	09-May-15	10:25:22

Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

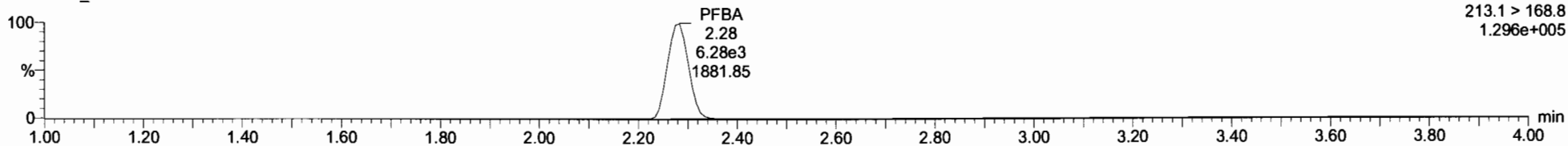
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFBA**

150508G1\_48

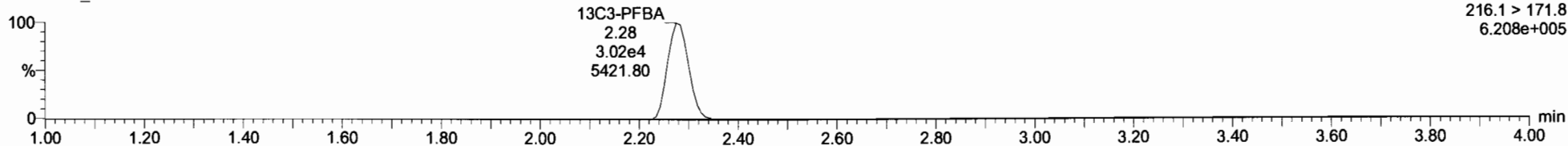
F2:MRM of 9 channels,ES-  
213.1 > 168.8  
1.296e+005



**13C3-PFBA**

150508G1\_48

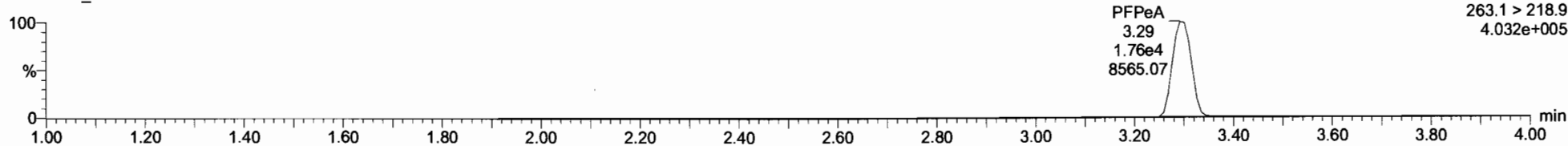
F2:MRM of 9 channels,ES-  
216.1 > 171.8  
6.208e+005



**PFPeA**

150508G1\_48

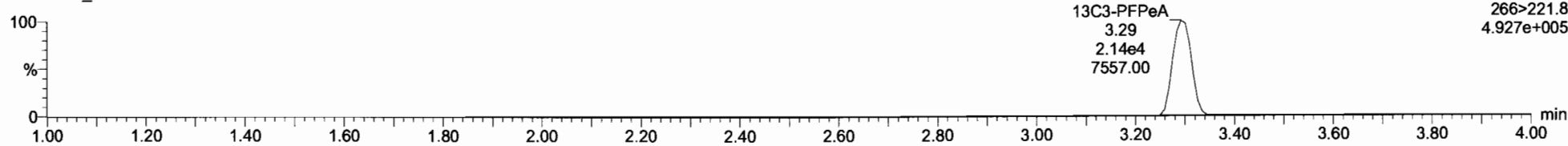
F2:MRM of 9 channels,ES-  
263.1 > 218.9  
4.032e+005



**13C3-PFPeA**

150508G1\_48

F2:MRM of 9 channels,ES-  
266 > 221.8  
4.927e+005





Dataset: Untitled

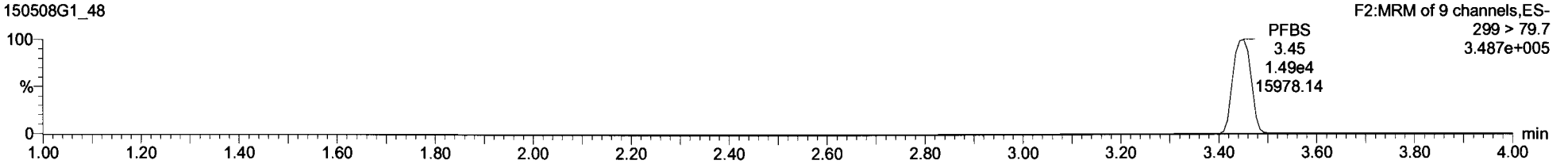
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

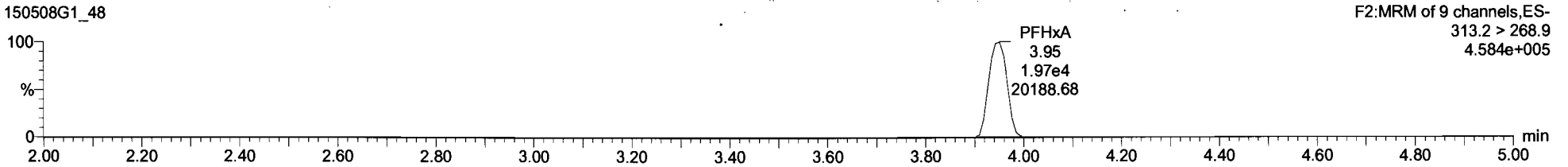
**PFBS**

150508G1\_48



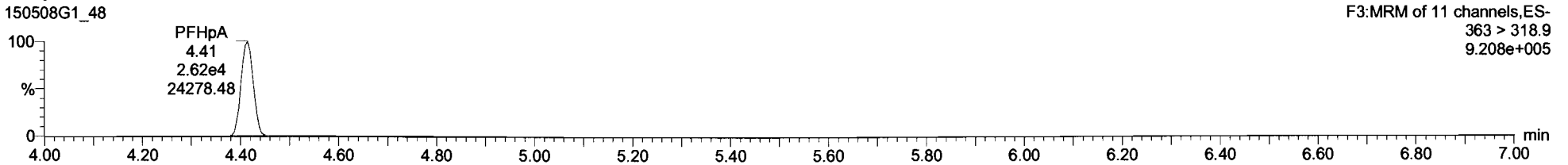
**PFHxA**

150508G1\_48



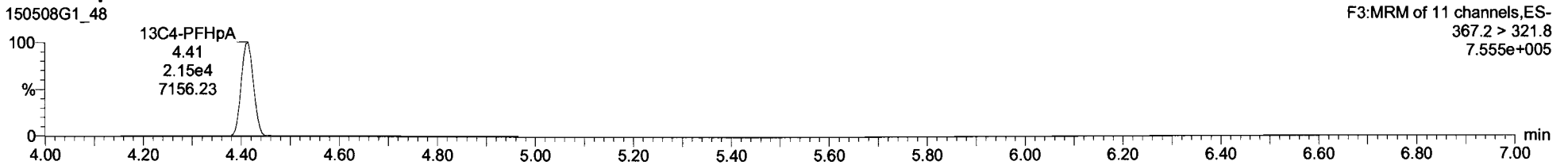
**PFHpA**

150508G1\_48



**13C4-PFHpA**

150508G1\_48



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

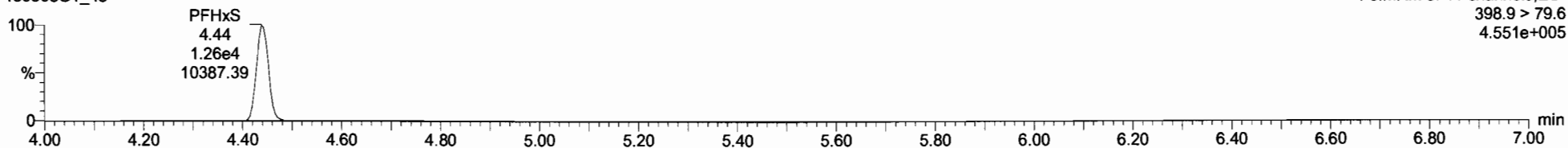
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFHxS**

150508G1\_48

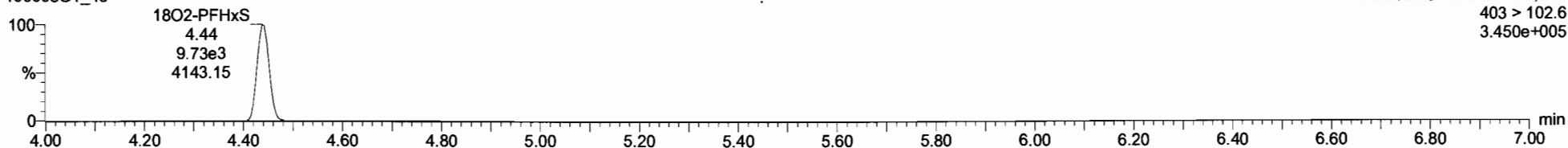
F3:MRM of 11 channels,ES-  
398.9 > 79.6  
4.551e+005



**18O2-PFHxS**

150508G1\_48

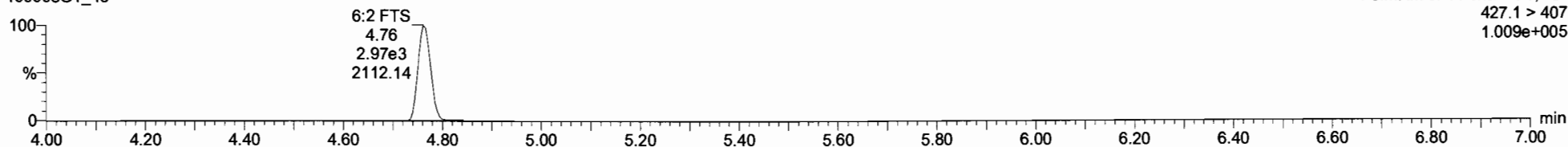
F3:MRM of 11 channels,ES-  
403 > 102.6  
3.450e+005



**6:2 FTS**

150508G1\_48

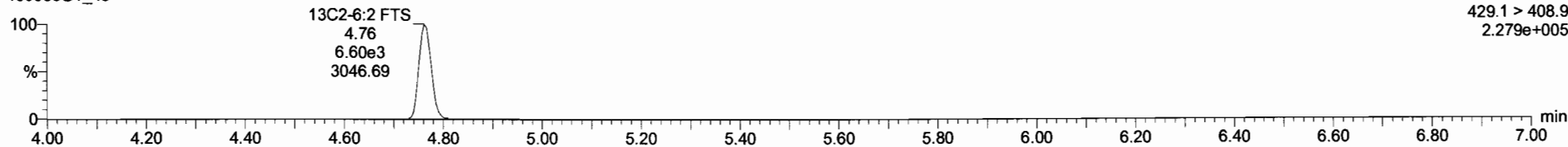
F3:MRM of 11 channels,ES-  
427.1 > 407  
1.009e+005



**13C2-6:2 FTS**

150508G1\_48

F3:MRM of 11 channels,ES-  
429.1 > 408.9  
2.279e+005



Dataset: Untitled

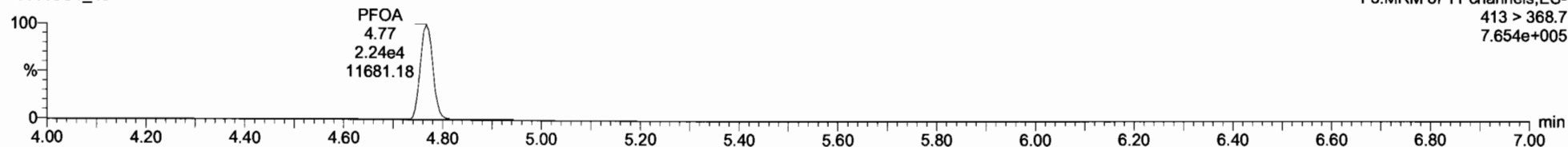
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

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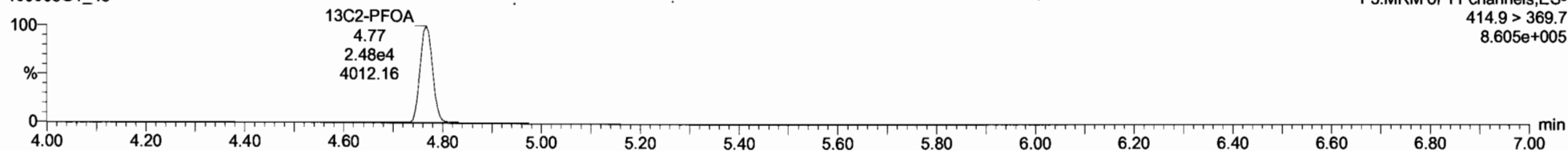
**PFOA**

150508G1\_48



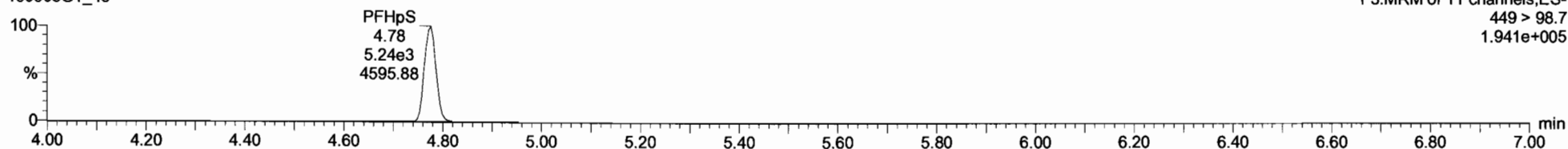
**13C2-PFOA**

150508G1\_48



**PFHpS**

150508G1\_48



Dataset: Untitled

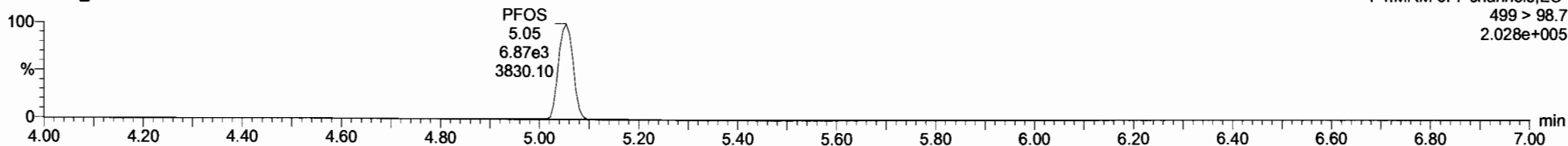
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

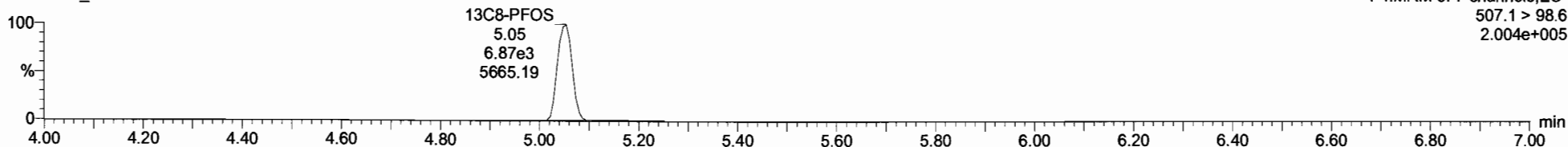
**PFOS**

150508G1\_48



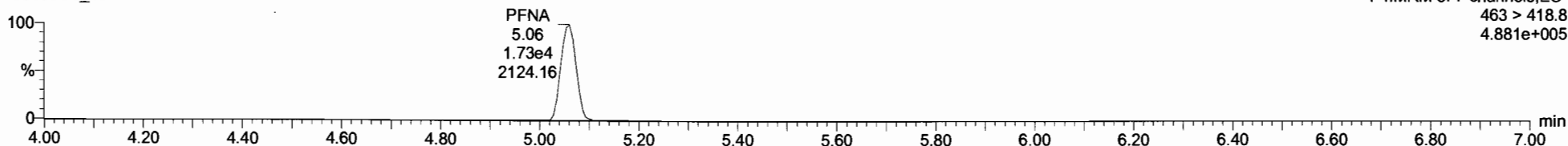
**13C8-PFOS**

150508G1\_48



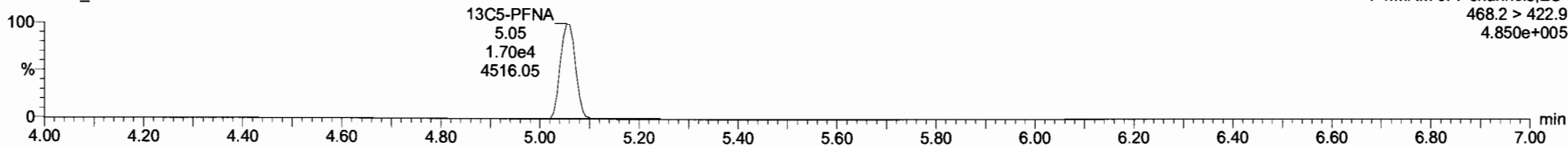
**PFNA**

150508G1\_48



**13C5-PFNA**

150508G1\_48



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

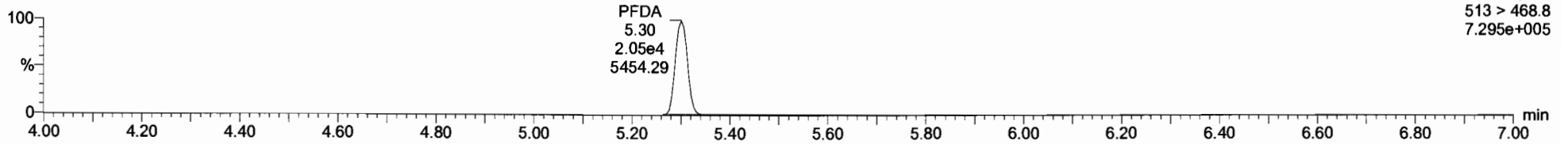
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFDA**

150508G1\_48

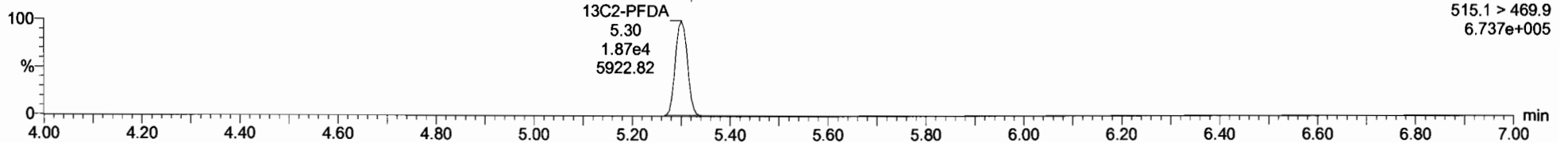
F5:MRM of 12 channels,ES-  
513 > 468.8  
7.295e+005



**13C2-PFDA**

150508G1\_48

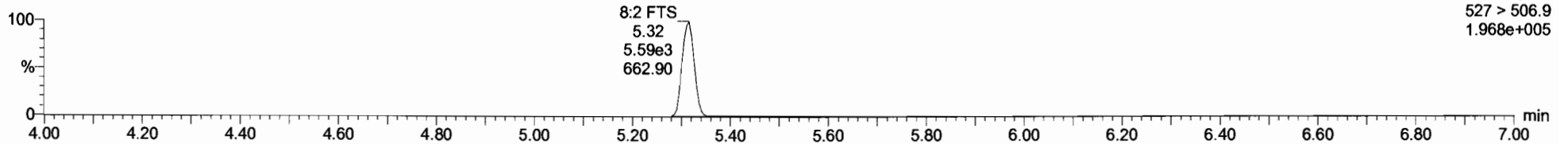
F5:MRM of 12 channels,ES-  
515.1 > 469.9  
6.737e+005



**8:2 FTS**

150508G1\_48

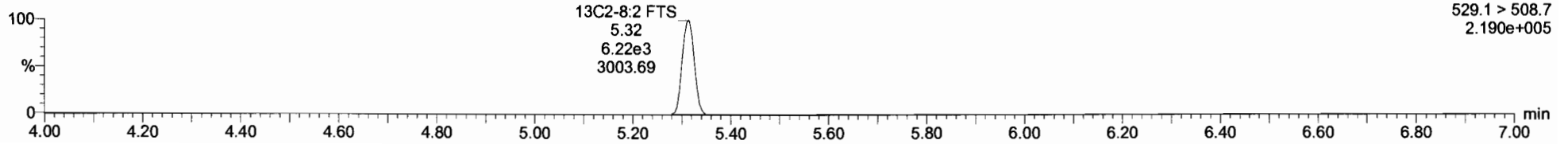
F5:MRM of 12 channels,ES-  
527 > 506.9  
1.968e+005



**13C2-8:2 FTS**

150508G1\_48

F5:MRM of 12 channels,ES-  
529.1 > 508.7  
2.190e+005



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

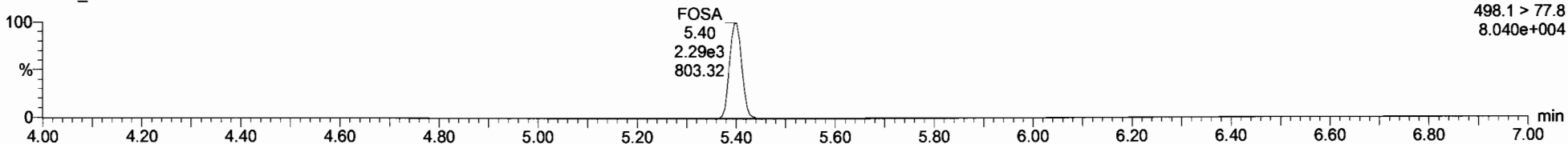
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**FOSA**

150508G1\_48

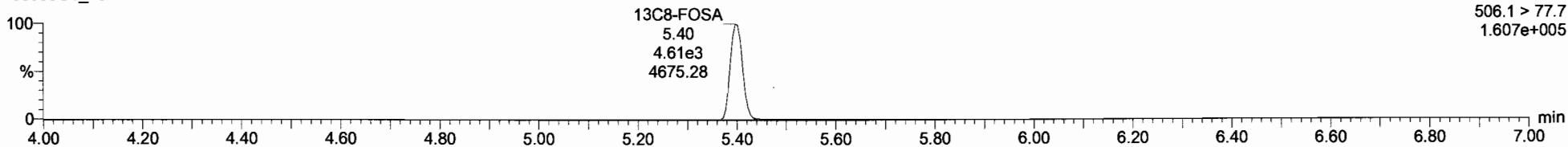
F5:MRM of 12 channels,ES-  
498.1 > 77.8  
8.040e+004



**13C8-FOSA**

150508G1\_48

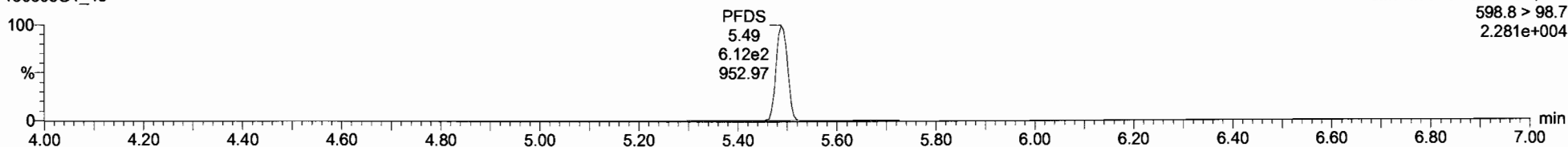
F5:MRM of 12 channels,ES-  
506.1 > 77.7  
1.607e+005



**PFDS**

150508G1\_48

F5:MRM of 12 channels,ES-  
598.8 > 98.7  
2.281e+004



Dataset: Untitled

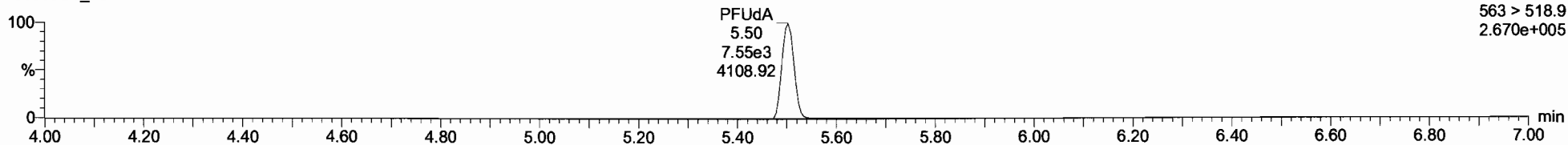
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

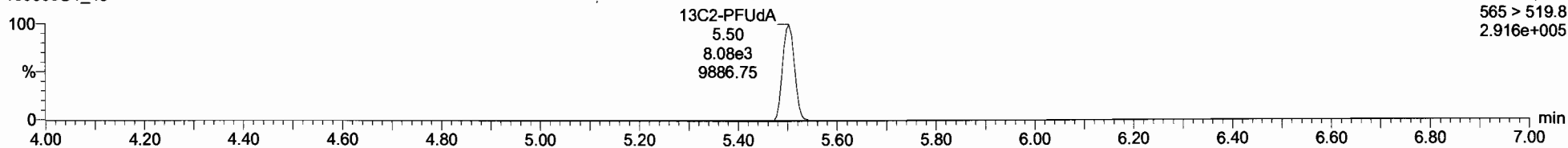
**PFUdA**

150508G1\_48



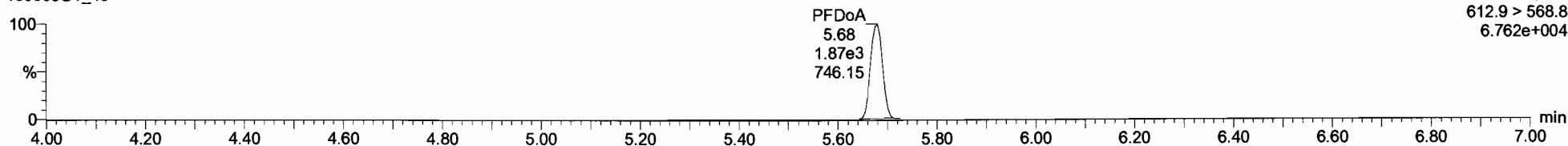
**13C2-PFUdA**

150508G1\_48



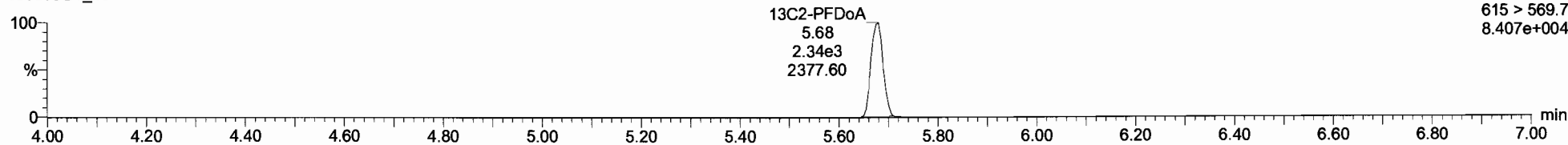
**PFDaA**

150508G1\_48



**13C2-PFDaA**

150508G1\_48



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

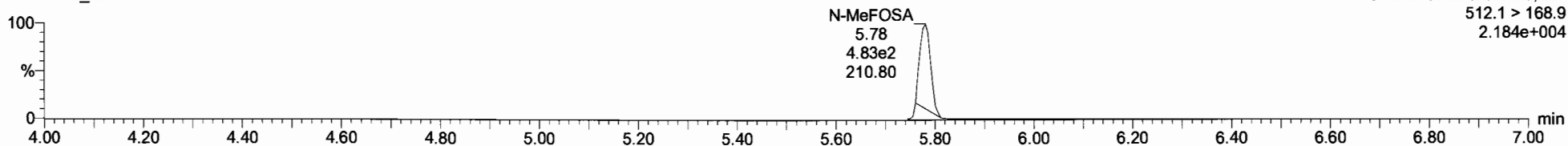
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**N-MeFOSA**

150508G1\_48

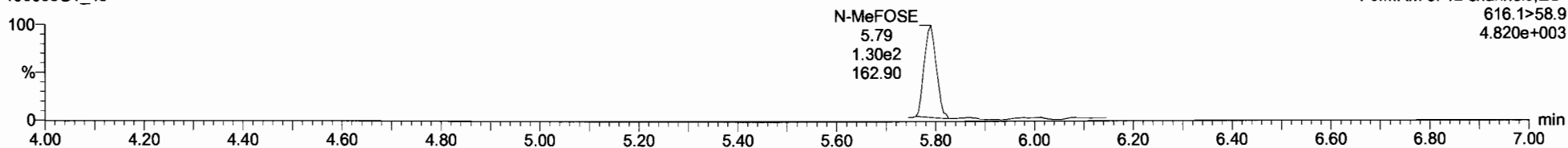
F6:MRM of 12 channels,ES-  
512.1 > 168.9  
2.184e+004



**N-MeFOSE**

150508G1\_48

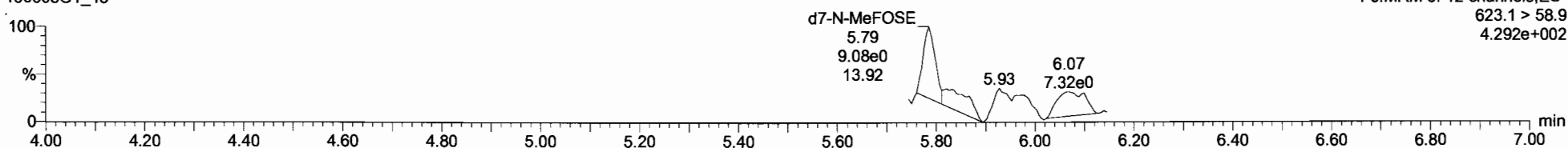
F6:MRM of 12 channels,ES-  
616.1 > 58.9  
4.820e+003



**d7-N-MeFOSE**

150508G1\_48

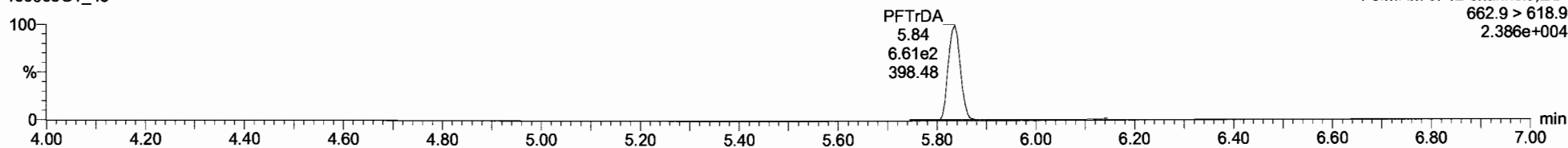
F6:MRM of 12 channels,ES-  
623.1 > 58.9  
4.292e+002



**PFTTrDA**

150508G1\_48

F6:MRM of 12 channels,ES-  
662.9 > 618.9  
2.386e+004







150508G1\_48 - ST150508G1-11 PFC CS4 15E0807 - PFC CS4 15E0807

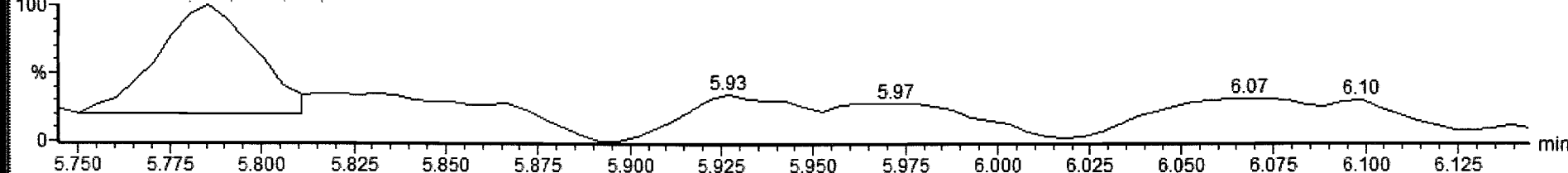
Name	Trace	Area	RRF	Wt/Vol	Pred RT	RT	Conc	>MDL	%Rec	DL
15	PFDS	598.8 > 98.7	6.12e2	1.000	5.49	5.49	17.3	NO	34.7	0.0542750
16	PFUdA	563 > 518.9	7.55e3	1.000	5.50	5.50	45.5	NO	91.1	0.0270379
17	PFDdA	612.9 > 568.8	1.87e3	1.000	5.68	5.68	44.9	NO	89.7	0.1561195
18	N-MeFOSA	512.1 > 168.9	5.89e2	1.000	5.67	5.78	1040	NO	207.5	175.8575408
19	N-MeFOSE	616.1 > 58.9	1.30e2	1.000	5.68	5.79	712	NO	142.4	15.0570081
20	PFTTrDA	662.9 > 618.9	6.61e2	1.000	5.85	5.84	42.1	NO	84.3	27.9920239
21	N-EiFOSE	630.1 > 58.9	2.05e2	1.000	5.90	5.90	305	NO	61.0	12.9847960
22	N-EiFOSA	526.1 > 168.9	6.93e2	1.000	5.90	5.90	617	NO	123.4	2.7085754
23	PFTeDA	712.9 > 668.8	6.65e2	1.000	6.05	5.97	47.3	NO	94.6	0.1037308
24	PFHxDA	813.1 > 768.6	8.86e3	1.000	6.21	6.20	53.7	NO	107.4	0.0301192
25	PFODA	913.1 > 868.8	3.43e4	1.000	6.39	6.44	106	NO	212.6	0.0335829
26	13C3-PFBA	216.1 > 171.8	3.02e4	1.04	2.27	2.28	58.7	NO	117.4	0.0270938
27	13C3-PFPeA	266 > 221.8	2.14e4	0.976	3.29	3.29	44.9	NO	89.8	0.0147904

150508G1\_48 Smooth(Mn,1x2)  
PFC CS4 15E0807 ST150508G1-11 PFC CS4 15E0807  
N-MeFOSA;5.78;589.36;21583;MM

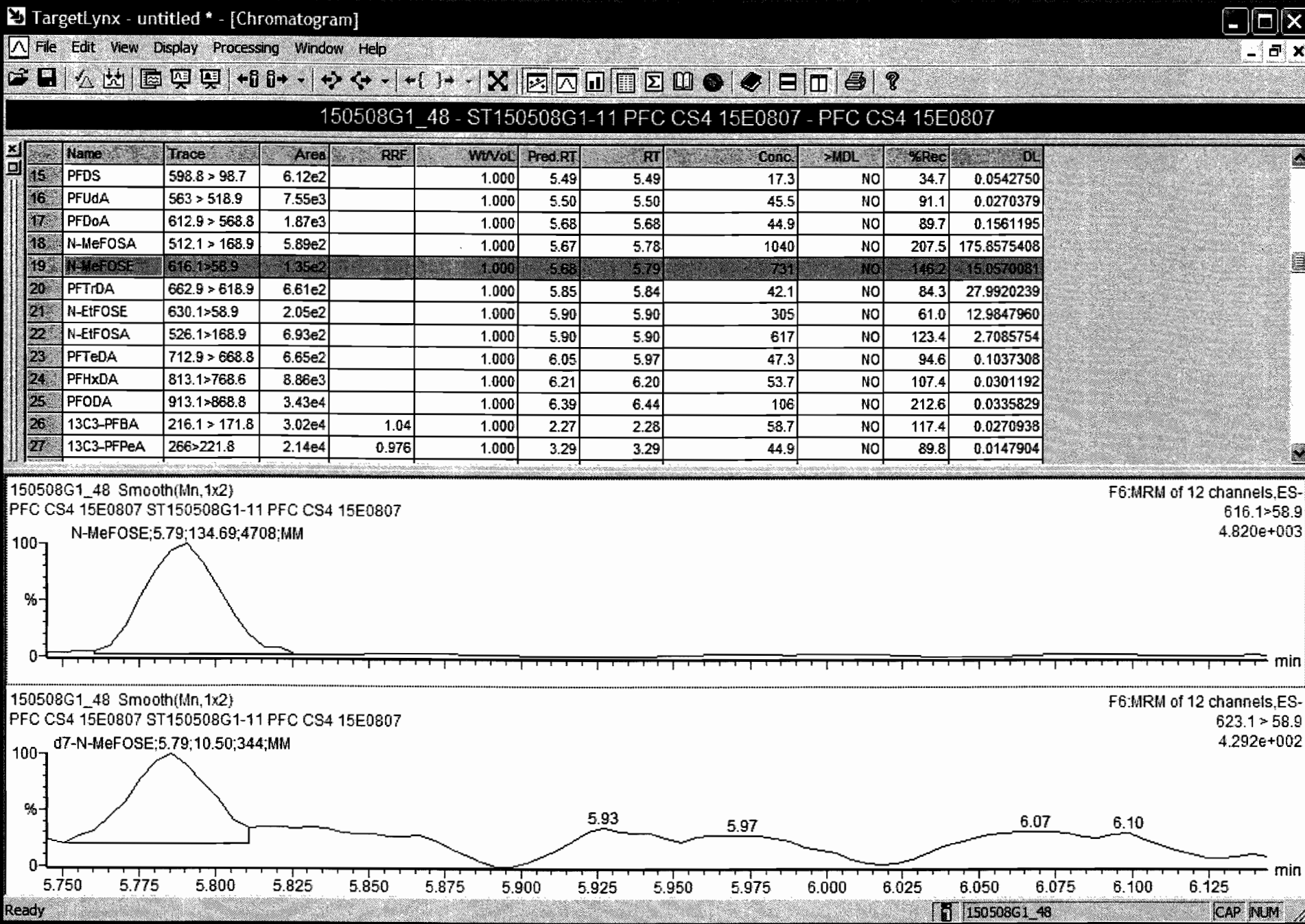


F6:MRM of 12 channels,ES-  
512.1 > 168.9  
2.184e+004

150508G1\_48 Smooth(Mn,1x2)  
PFC CS4 15E0807 ST150508G1-11 PFC CS4 15E0807  
d7-N-MeFOSE;5.79;10.50;344;MM



F6:MRM of 12 channels,ES-  
623.1 > 58.9  
4.292e+002



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

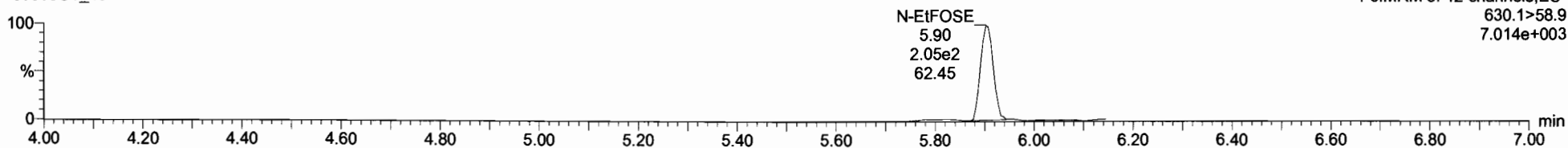
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**N-EtFOSE**

150508G1\_48

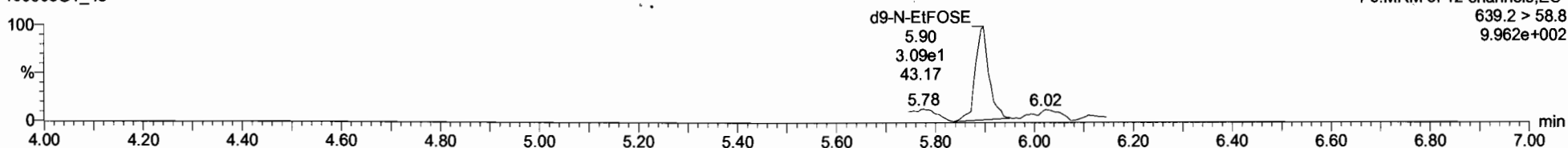
F6:MRM of 12 channels,ES-  
630.1>58.9  
7.014e+003



**d9-N-EtFOSE**

150508G1\_48

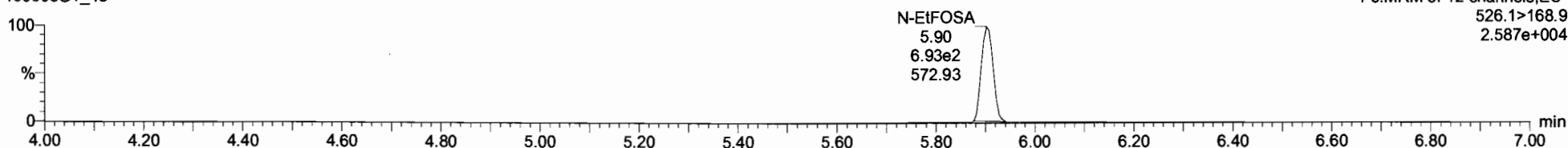
F6:MRM of 12 channels,ES-  
639.2 > 58.8  
9.962e+002



**N-EtFOSA**

150508G1\_48

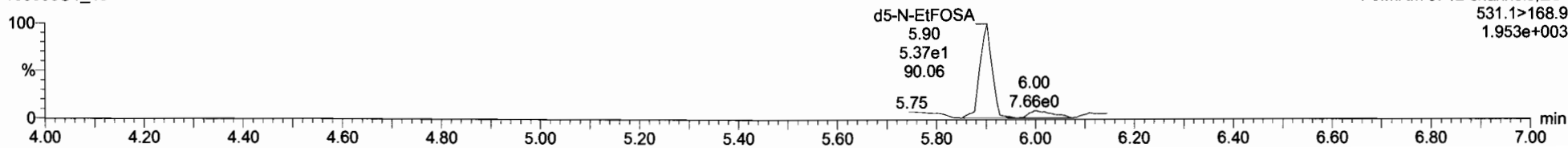
F6:MRM of 12 channels,ES-  
526.1>168.9  
2.587e+004



**d5-N-EtFOSA**

150508G1\_48

F6:MRM of 12 channels,ES-  
531.1>168.9  
1.953e+003



Dataset: Untitled

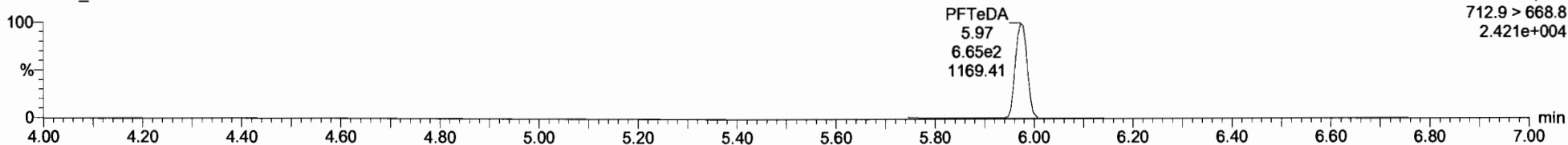
Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

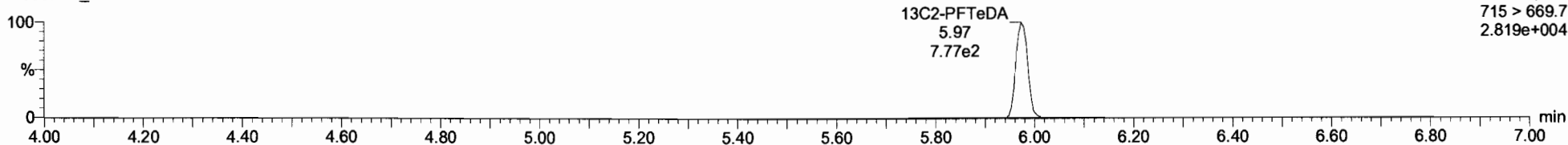
**PFTeDA**

150508G1\_48



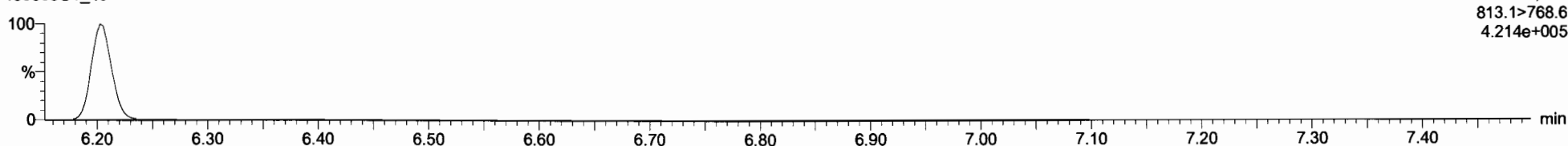
**13C2-PFTeDA**

150508G1\_48



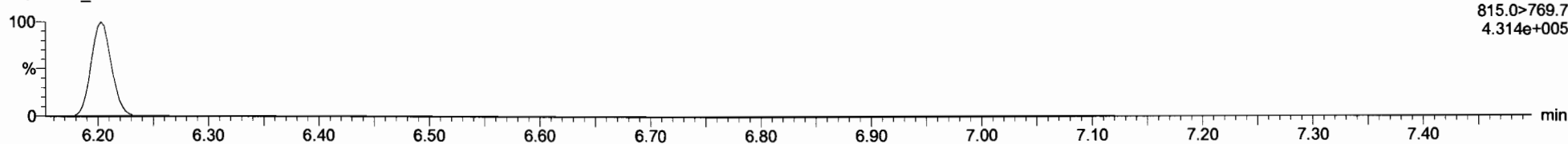
**PFHxDA**

150508G1\_48



**13C2-PFHxDA**

150508G1\_48



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

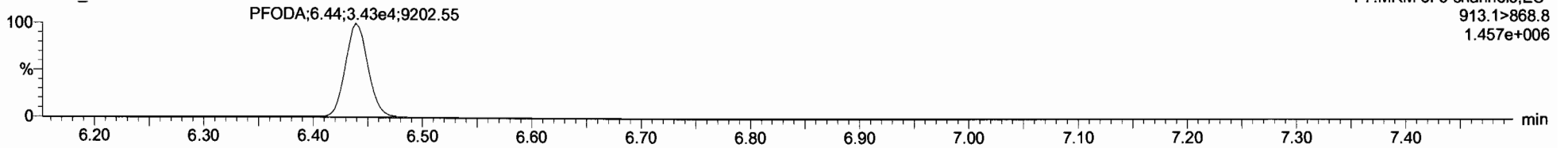
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFODA**

150508G1\_48

F7:MRM of 3 channels,ES-  
913.1>868.8  
1.457e+006



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

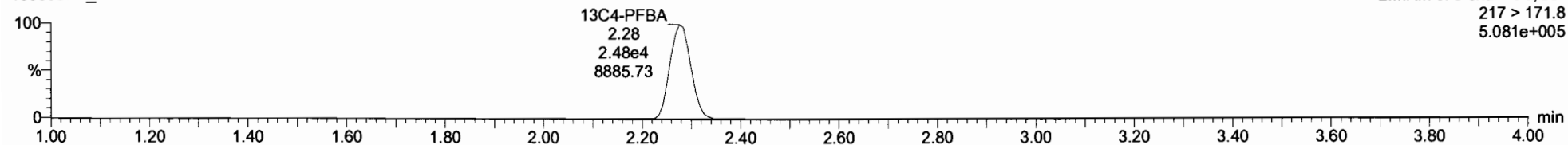
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**13C4-PFBA**

150508G1\_48

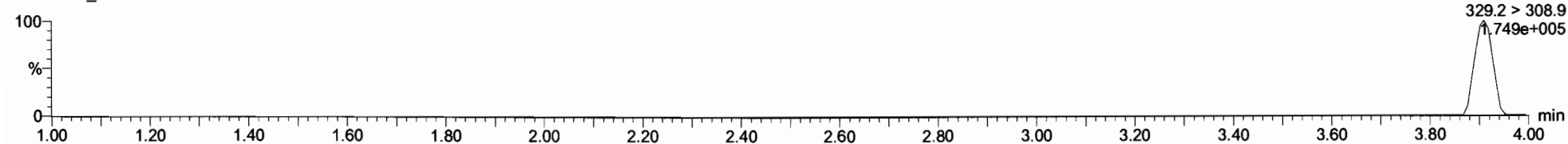
F2:MRM of 9 channels,ES-  
217 > 171.8  
5.081e+005



**13C2-4:2 FTS**

150508G1\_48

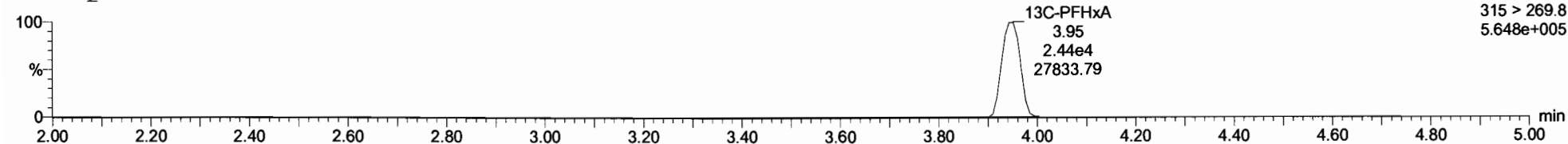
F2:MRM of 9 channels,ES-  
329.2 > 308.9  
1.749e+005



**13C-PFHxA**

150508G1\_48

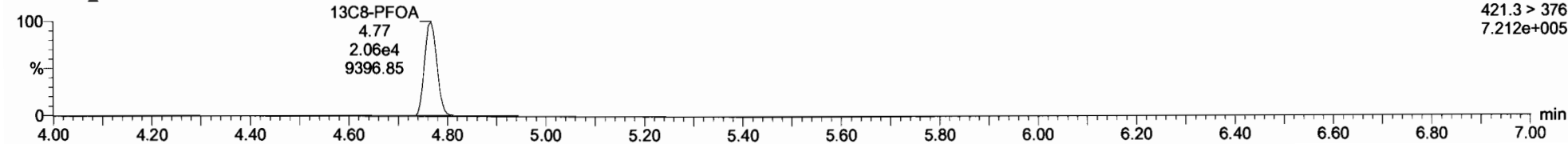
F2:MRM of 9 channels,ES-  
315 > 269.8  
5.648e+005



**13C8-PFOA**

150508G1\_48

F3:MRM of 11 channels,ES-  
421.3 > 376  
7.212e+005



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

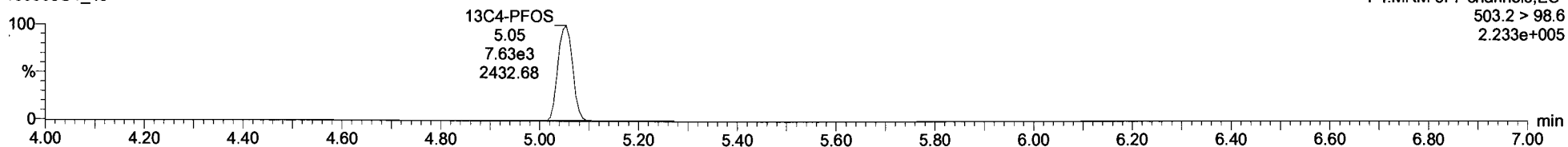
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**13C4-PFOS**

150508G1\_48

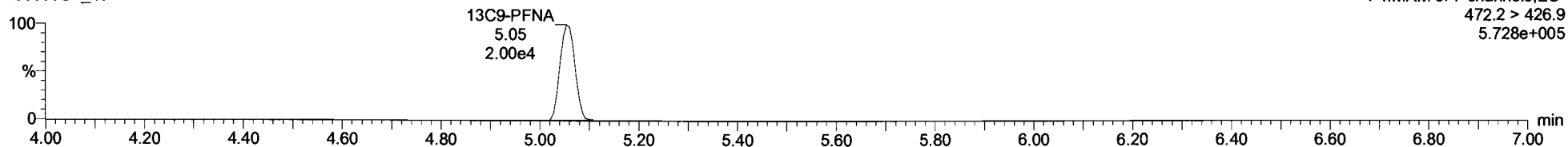
F4:MRM of 7 channels,ES-  
503.2 > 98.6  
2.233e+005



**13C9-PFNA**

150508G1\_48

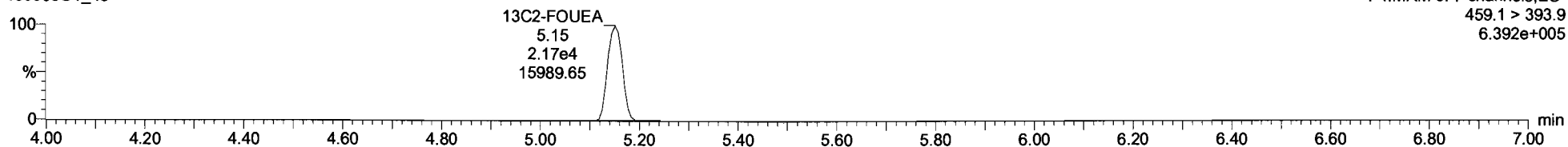
F4:MRM of 7 channels,ES-  
472.2 > 426.9  
5.728e+005



**13C2-FOUEA**

150508G1\_48

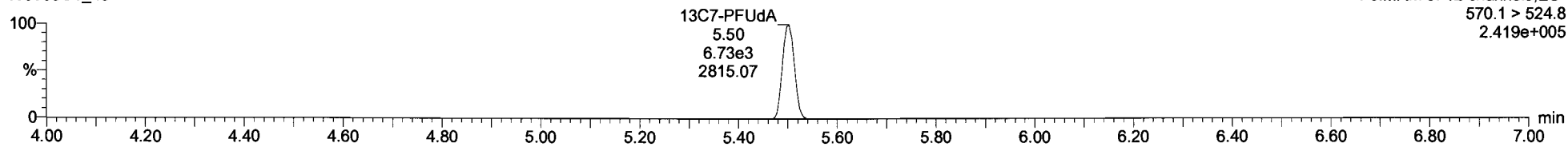
F4:MRM of 7 channels,ES-  
459.1 > 393.9  
6.392e+005



**13C7-PFUdA**

150508G1\_48

F5:MRM of 12 channels,ES-  
570.1 > 524.8  
2.419e+005



Dataset: Untitled

Last Altered: Tuesday, May 12, 2015 13:32:55 Pacific Daylight Time

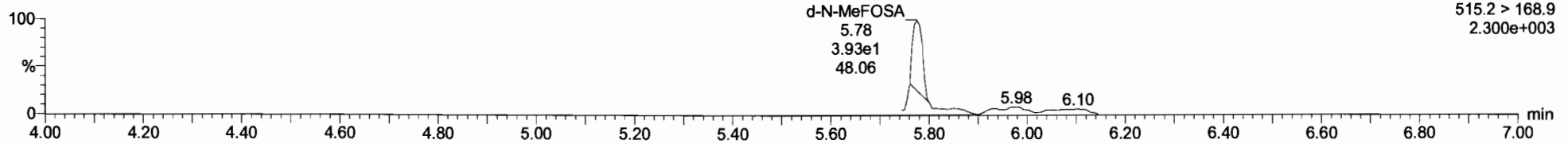
Printed: Tuesday, May 12, 2015 13:49:47 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

**d-N-MeFOSA**

150508G1\_48

F6:MRM of 12 channels,ES-  
515.2 > 168.9  
2.300e+003





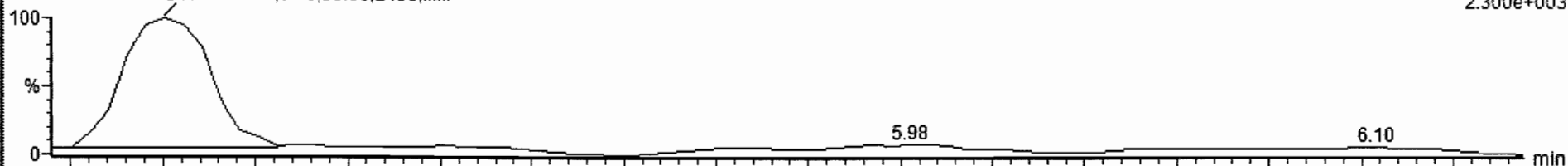


150508G1\_48 - ST150508G1-11 PFC CS4 15E0807 - PFC CS4 15E0807

	Name	Trace	Area	RRF	Wt/Vol	Pred.RT	RT	Conc.	>MDL	%Rec	DL
44	13C4-PFBA	217 > 171.8	2.48e4	1.00	1.000	2.22	2.28	50.0	NO	100.0	0.0140675
45	13C2-4:2 FTS	329.2 > 308.9	7.42e3	1.00	1.000	3.84	3.91	50.0	NO	100.0	0.0200542
46	13C-PFHxA	315 > 269.8	2.44e4	1.00	1.000	3.88	3.95	50.0	NO	100.0	0.0044909
47	13C8-PFOA	421.3 > 376	2.06e4	1.00	1.000	4.70	4.77	50.0	NO	100.0	0.0133023
48	13C4-PFOS	503.2 > 98.6	7.63e3	1.00	1.000	4.99	5.05	50.0	NO	100.0	0.0513837
49	13C2-FOUEA	459.1 > 393.9	2.17e4	1.00	1.000	5.09	5.15	50.0	NO	100.0	0.0078176
50	13C9-PFNA	472.2 > 426.9	2.00e4	1.00	1.000	5.07	5.05	50.0	NO	100.0	0.0000000
51	13C7-PFUDa	570.1 > 524.8	6.73e3	1.00	1.000	5.46	5.50	50.0	NO	100.0	0.0444038
52	d-N-MeFOSA	515.2 > 168.9	5.99e1	1.00	1.000	5.79	5.78	50.0	NO	100.0	2.0388755
53	Total PFBS	299 > 79.7	1.49e4		1.000	3.46		49.8	NO		
54	Total PFHxS	398.9 > 79.6	1.26e4		1.000	4.46		48.1	NO		
55	Total PFHpS	449 > 98.7	5.25e3		1.000	4.79		43.8	NO		
56	Total PFOS	499 > 98.7	6.87e3		1.000	5.07		47.2	NO		

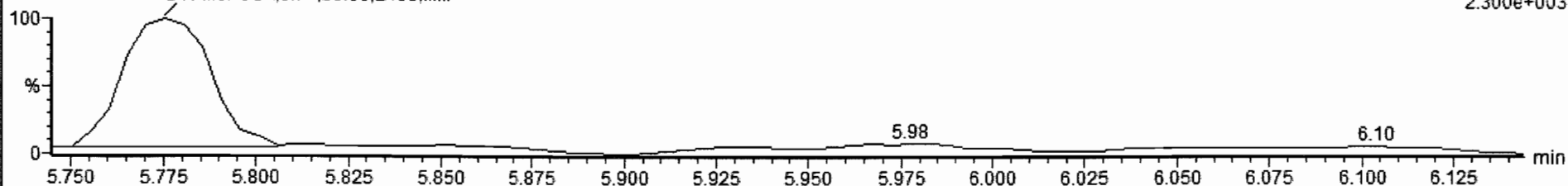
150508G1\_48 Smooth(Mn,1x2)  
 PFC CS4 15E0807 ST150508G1-11 PFC CS4 15E0807  
 d-N-MeFOSA;5.78;59.86;2193;MM

F6:MRM of 12 channels,ES-  
 515.2 > 168.9  
 2.300e+003



150508G1\_48 Smooth(Mn,1x2)  
 PFC CS4 15E0807 ST150508G1-11 PFC CS4 15E0807  
 d-N-MeFOSA;5.78;59.86;2193;MM

F6:MRM of 12 channels,ES-  
 515.2 > 168.9  
 2.300e+003



Dataset: C:\Projects\Method\_1694.PRO\Results\150512G1\150512G1\_1.qld

Last Altered: Wednesday, May 13, 2015 10:40:58 Pacific Daylight Time

Printed: Wednesday, May 13, 2015 10:42:46 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	1 PFBA	213.1 > 168.8	1.16e4	3.84e4	1.000		2.30	55.1	110.2
2	2 PFPeA	263.1 > 218.9	3.03e4	3.42e4	1.000		3.32	51.5	102.9
3	3 PFBS	299 > 79.7	2.77e4	1.56e4	1.000		3.48	57.3	114.7
4	4 PFHxA	313.2 > 268.9	3.28e4	2.49e4	1.000		3.98	53.7	107.4
5	5 PFHpA	363 > 318.9	3.43e4	2.49e4	1.000		4.44	53.8	107.7
6	6 PFHxS	398.9 > 79.6	2.24e4	1.56e4	1.000		4.47	53.1	106.1
7	7 6:2 FTS	427.1 > 407	4.89e3	1.10e4	1.000		4.79	46.6	93.3
8	8 PFOA	413 > 368.7	3.14e4	3.12e4	1.000		4.79	53.3	106.5
9	9 PFHpS	449 > 98.7	1.05e4	1.56e4	1.000		4.79	54.1	108.2
10	10 PFOS	499 > 98.7	1.48e4	1.31e4	1.000		5.07	53.1	106.2
11	11 PFNA	463 > 418.8	2.70e4	2.74e4	1.000		5.08	53.1	106.2
12	12 PFDA	513 > 468.8	4.58e4	4.09e4	1.000		5.32	49.1	98.2
13	13 8:2 FTS	527 > 506.9	1.74e4	1.78e4	1.000		5.33	52.1	104.2
14	14 FOSA	498.1 > 77.8	1.59e4	2.62e4	1.000		5.42	52.8	105.7
15	15 PFDS	598.8 > 98.7	5.65e3	4.09e4	1.000		5.50	56.5	112.9
16	16 PFUdA	563 > 518.9	3.18e4	2.91e4	1.000		5.52	53.3	106.6
17	17 PFDoA	612.9 > 568.8	2.01e4	2.09e4	1.000		5.70	53.6	107.1
18	18 N-MeFOSA	512.1 > 168.9	1.63e4	5.92e2	1.000		5.80	744	148.8
19	19 N-MeFOSE	616.1 > 58.9	5.82e3	5.92e2	1.000		5.81	586	117.3
20	20 PFTrDA	662.9 > 618.9	1.85e4	2.91e4	1.000		5.85	83.6	167.3
21	21 N-EtFOSE	630.1 > 58.9	7.84e3	6.69e2	1.000		5.92	548	109.6
22	22 N-EtFOSA	526.1 > 168.9	2.15e4	2.06e3	1.000		5.92	495	99.1
23	23 PFTeDA	712.9 > 668.8	3.57e4	3.85e4	1.000		5.99	51.2	102.3
24	24 PFHxDA	813.1 > 768.6	7.94e4	7.97e4	1.000		6.22	54.7	109.3
25	25 PFODA	913.1 > 868.8	1.13e5	7.97e4	1.000		6.46	45.8	91.5
26	26 13C3-PFBA	216.1 > 171.8	3.84e4	3.66e4	1.039	1.000	2.29	50.4	100.7
27	27 13C3-PFPeA	266 > 221.8	3.42e4	3.26e4	0.976	1.000	3.32	53.8	107.6
28	28 13C4-PFHpA	367.2 > 321.8	2.49e4	3.26e4	0.850	1.000	4.44	44.9	89.7
29	29 18O2-PFHxS	403 > 102.6	1.56e4	3.26e4	0.420	1.000	4.46	57.1	114.2
30	30 13C2-6:2 FTS	429.1 > 408.9	1.10e4	1.62e4	0.739	1.000	4.79	46.1	92.2
31	31 13C2-PFOA	414.9 > 369.7	3.12e4	2.73e4	1.160	1.000	4.79	49.3	98.6

70-130  
60-150  
40-150  
60-150

Ⓐ Recovery outside method limits.

AC  
5/13/15  
AK 5/14/15

Dataset: C:\Projects\Method\_1694.PRO\Results\150512G1\150512G1\_1.qld

Last Altered: Wednesday, May 13, 2015 10:40:58 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:42:46 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	13C8-PFOS	507.1 > 98.6	1.31e4	1.45e4	0.939	1.000	5.07	48.1	96.2
33	13C5-PFNA	468.2 > 422.9	2.74e4	3.10e4	0.915	1.000	5.08	48.4	96.7
34	13C2-PFDA	515.1 > 469.9	4.09e4	3.10e4	1.149	1.000	5.32	57.5	115.0
35	13C2-8:2 FTS	529.1 > 508.7	1.78e4	1.62e4	0.918	1.000	5.33	59.9	119.9
36	13C8-FOSA	506.1 > 77.7	2.62e4	2.47e4	0.728	1.000	5.42	72.9	145.7
37	13C2-PFUdA	565 > 519.8	2.91e4	2.47e4	1.148	1.000	5.52	51.3	102.6
38	13C2-PFDoA	615 > 569.7	2.09e4	2.47e4	0.827	1.000	5.70	51.1	102.2
39	d7-N-MeFOSE	623.1 > 58.9	5.92e2	2.37e3	0.597	1.000	5.80	20.9	41.9
40	d9-N-EtFOSE	639.2 > 58.8	6.69e2	2.37e3	0.656	1.000	5.91	21.5	43.1
41	d5-N-EtFOSA	531.1 > 168.9	2.06e3	2.37e3	0.970	1.000	5.92	44.9	89.8
42	13C2-PFTeDA	715 > 669.7	3.85e4	2.47e4	1.415	1.000	5.99	55.0	110.0
43	13C2-PFHxDA	815.0 > 769.7	7.97e4	2.47e4	2.520	1.000	6.22	64.0	128.1
44	13C4-PFBA	217 > 171.8	3.66e4	3.66e4	1.000	1.000	2.29	50.0	100.0
45	13C2-4:2 FTS	329.2 > 308.9	1.62e4	1.62e4	1.000	1.000	3.93	50.0	100.0
46	13C-PFHxA	315 > 269.8	3.26e4	3.26e4	1.000	1.000	3.98	50.0	100.0
47	13C8-PFOA	421.3 > 376	2.73e4	2.73e4	1.000	1.000	4.79	50.0	100.0
48	13C4-PFOS	503.2 > 98.6	1.45e4	1.45e4	1.000	1.000	5.07	50.0	100.0
49	13C2-FOUEA	459.1 > 393.9	3.25e4	3.25e4	1.000	1.000	5.17	50.0	100.0
50	13C9-PFNA	472.2 > 426.9	3.10e4	3.10e4	1.000	1.000	5.08	50.0	100.0
51	13C7-PFUdA	570.1 > 524.8	2.47e4	2.47e4	1.000	1.000	5.52	50.0	100.0
52	d-N-MeFOSA	515.2 > 168.9	2.37e3	2.37e3	1.000	1.000	5.80	50.0	100.0

60-150  
50-150  
60-150  
40-150  
20-150  
60-150  
30-150  
5-150  
↓  
30-150  
↓

# LC CALIBRATION STANDARDS REVIEW CHECKLIST, Q1



Calibration ID:			<u>ION Ratio</u>	<u>Concentration</u>	<u>C-Cal Name</u>	<u>Sign/ Date</u>	<u>Correct I-Cal</u>	<u>Manual Integrations</u>	
ST150512G1-1	L	<input checked="" type="radio"/> M	<input checked="" type="radio"/> H	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	NA
-2	L	<input checked="" type="radio"/> M	<input checked="" type="radio"/> H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
-3	L	<input checked="" type="radio"/> M	<input checked="" type="radio"/> H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
-4	L	<input checked="" type="radio"/> M	<input checked="" type="radio"/> H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
-5	L	<input checked="" type="radio"/> M	<input checked="" type="radio"/> H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	L	<input type="radio"/> M	<input type="radio"/> H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L	<input type="radio"/> M	<input type="radio"/> H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L	<input type="radio"/> M	<input type="radio"/> H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	L	<input type="radio"/> M	<input type="radio"/> H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Full Mass Cal. Date: 11/11/14

**Comments:**  
 several NS, IS outside method limits BP 5/13/15

Reviewed by: MP 5/14/15  
*Initials & Date*

Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time

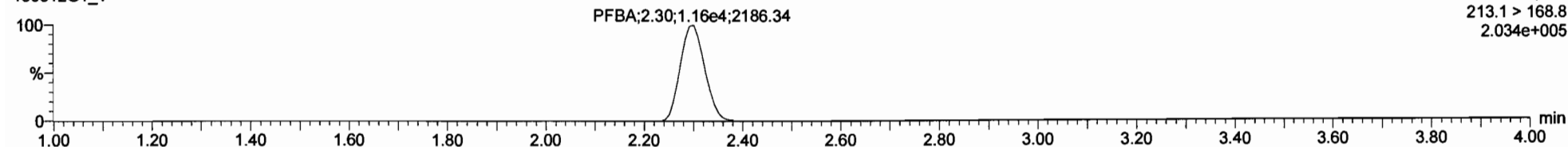
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

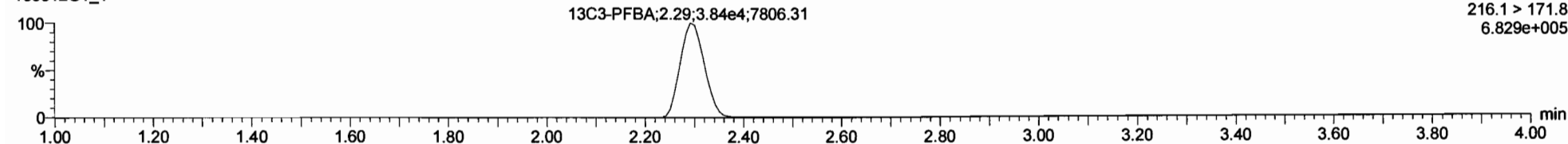
**PFBA**

150512G1\_1



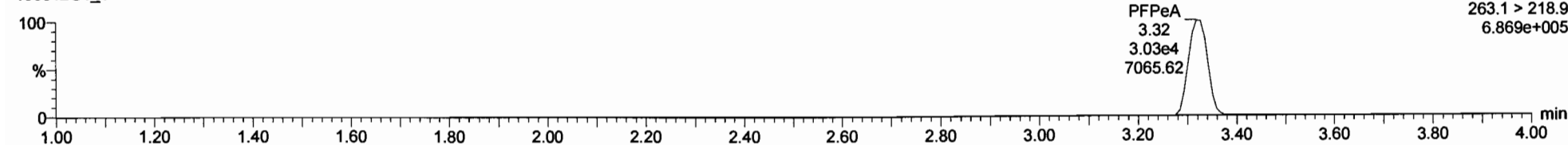
**13C3-PFBA**

150512G1\_1



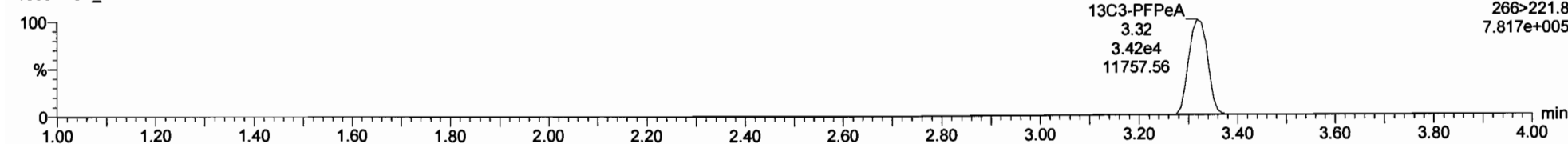
**PFPeA**

150512G1\_1



**13C3-PFPeA**

150512G1\_1

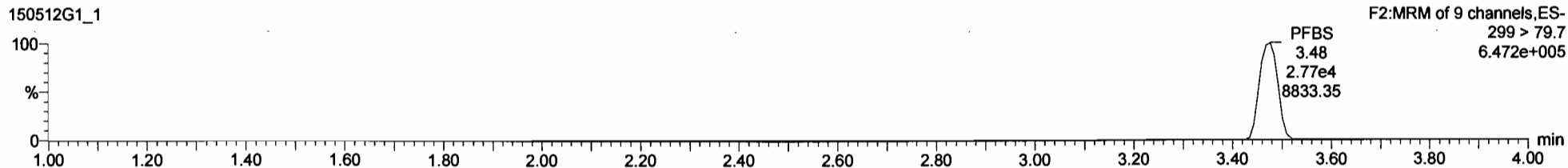


Dataset: Untitled

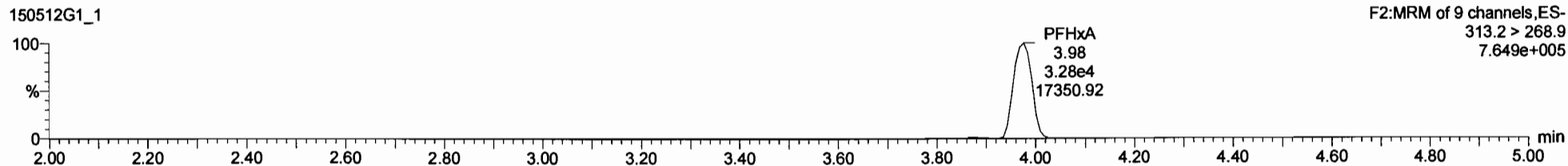
Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

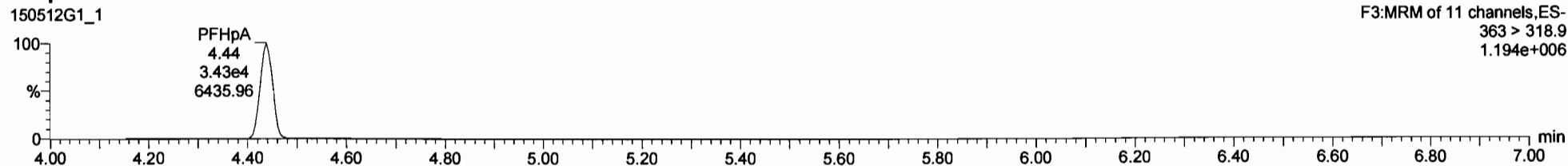
**PFBS**



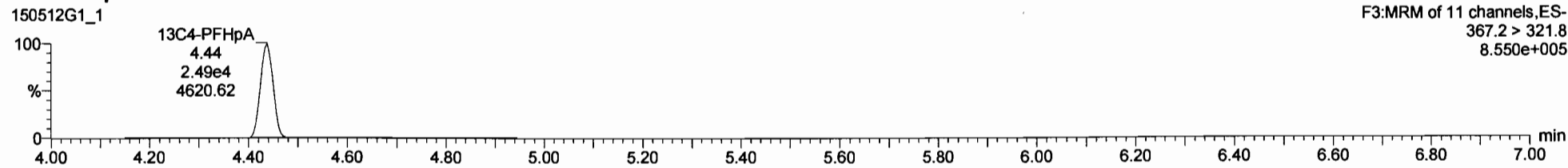
**PFHxA**



**PFHpA**



**13C4-PFHpA**

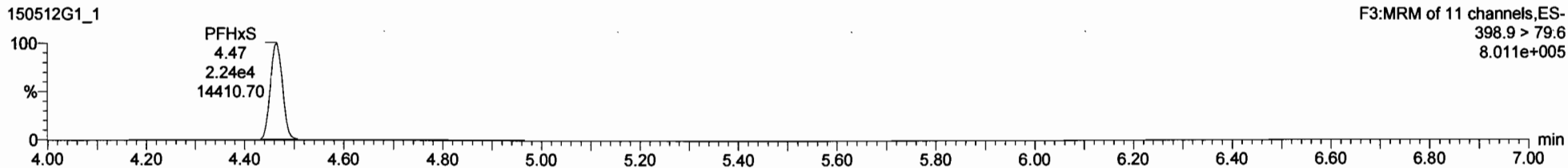


Dataset: Untitled

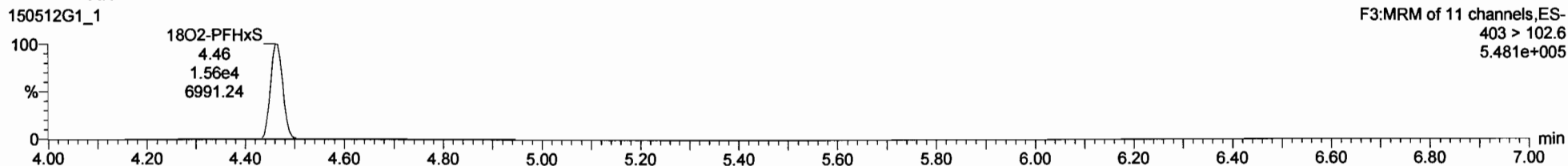
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Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

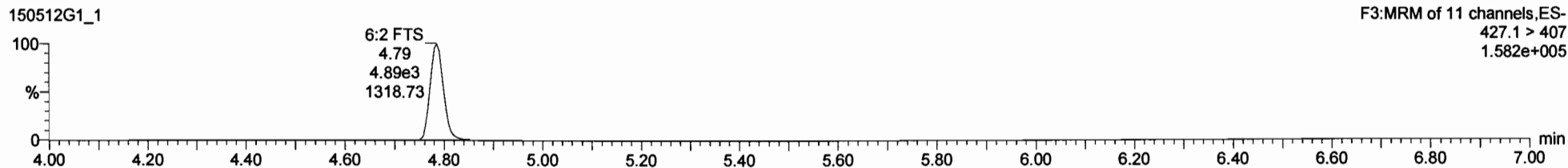
**PFHxS**



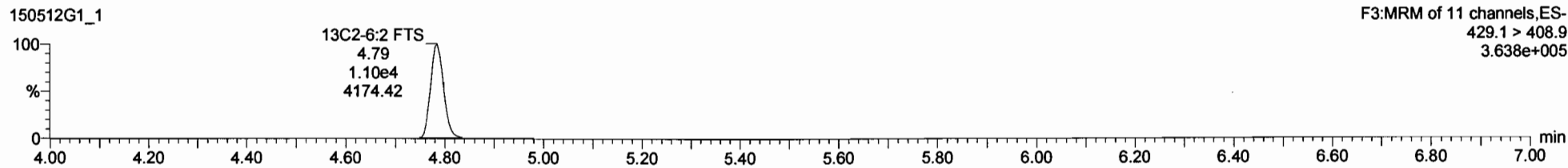
**18O2-PFHxS**



**6:2 FTS**



**13C2-6:2 FTS**

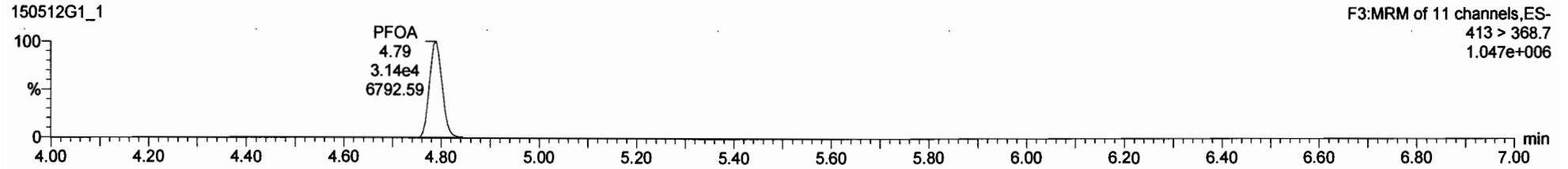


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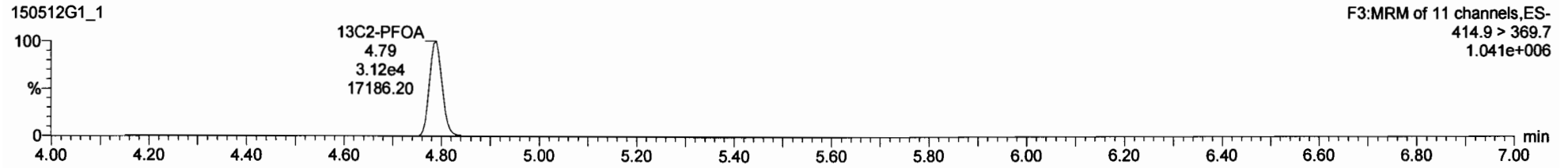
Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

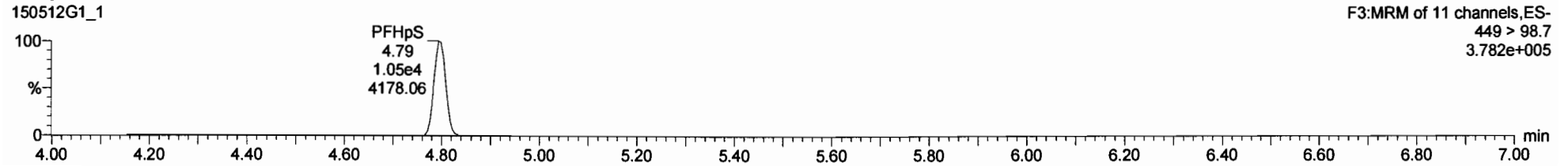
**PFOA**



**13C2-PFOA**



**PFHpS**





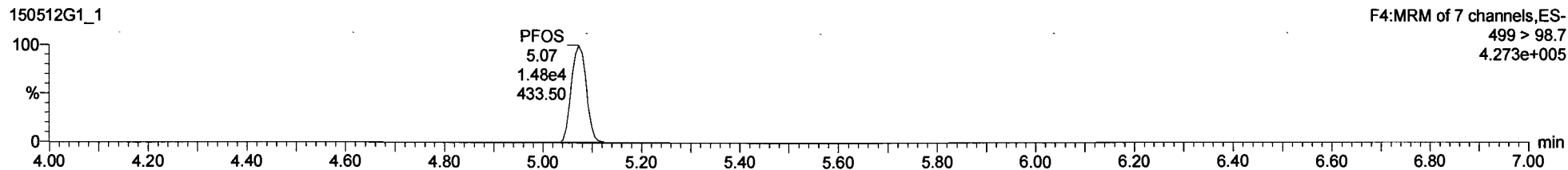
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Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time

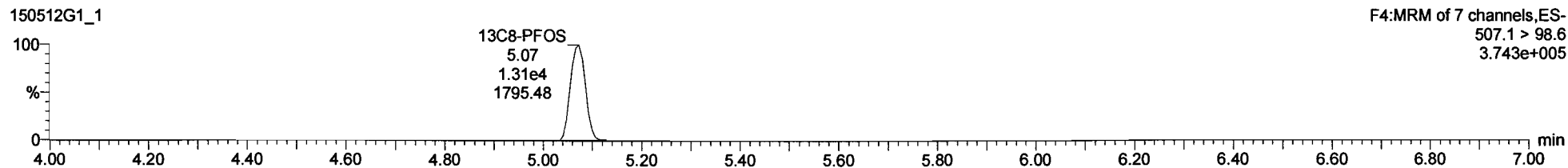
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

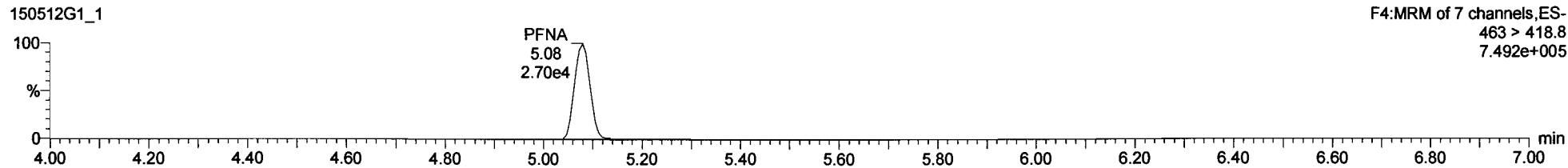
**PFOS**



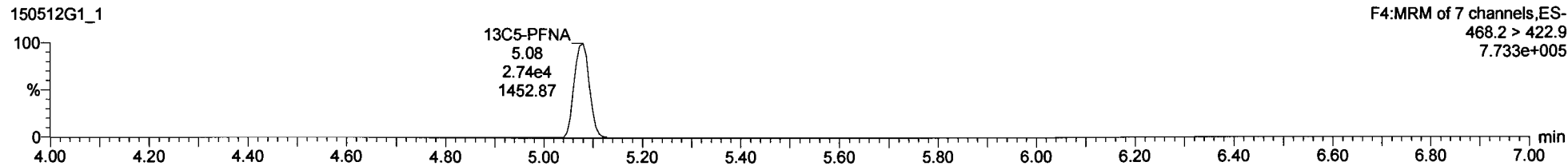
**13C8-PFOS**



**PFNA**



**13C5-PFNA**



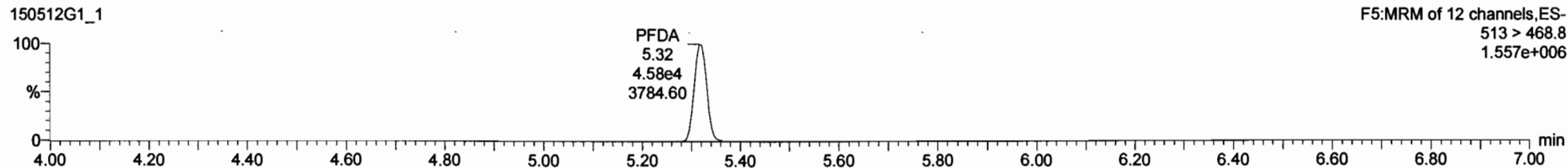
Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time

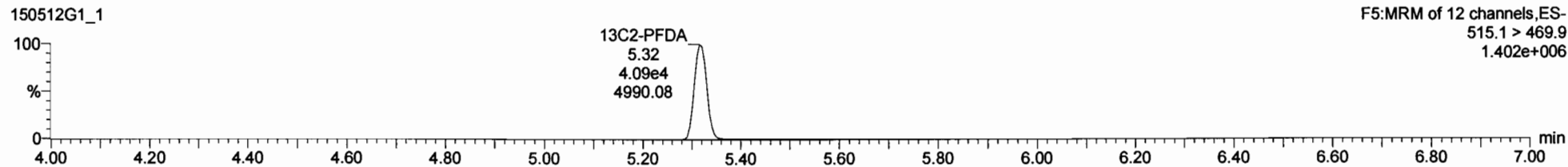
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

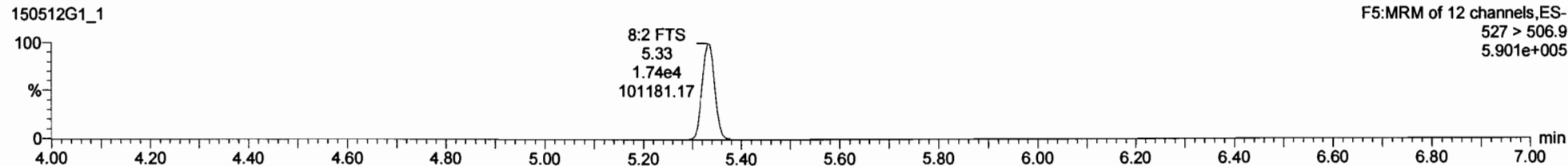
**PFDA**



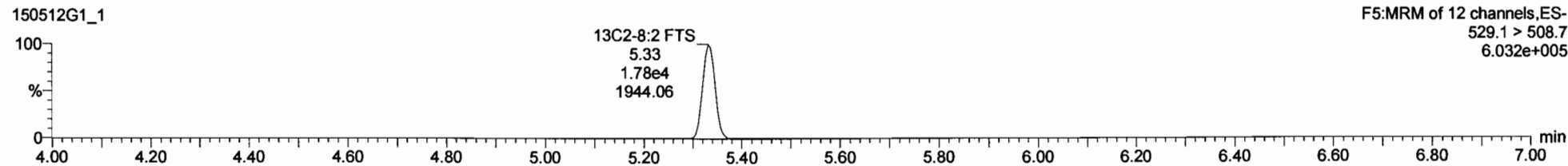
**13C2-PFDA**



**8:2 FTS**



**13C2-8:2 FTS**



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time

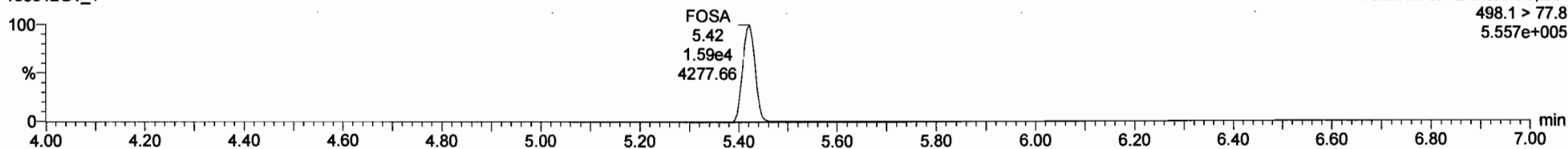
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

**FOSA**

150512G1\_1

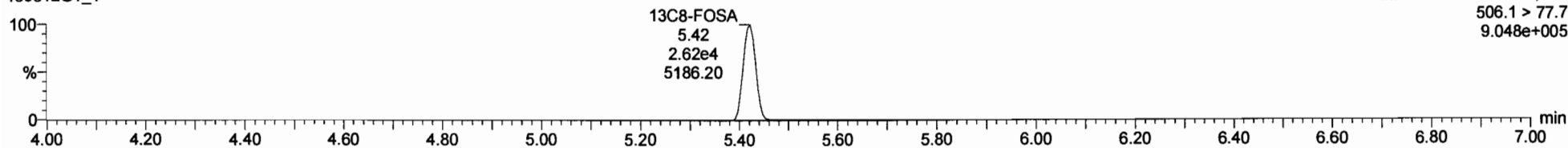
F5:MRM of 12 channels,ES-  
498.1 > 77.8  
5.557e+005



**13C8-FOSA**

150512G1\_1

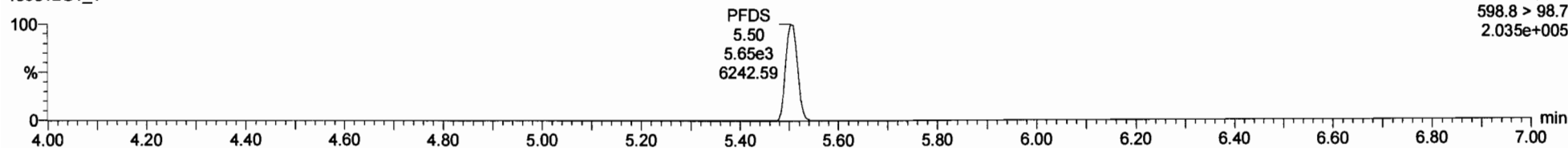
F5:MRM of 12 channels,ES-  
506.1 > 77.7  
9.048e+005



**PFDS**

150512G1\_1

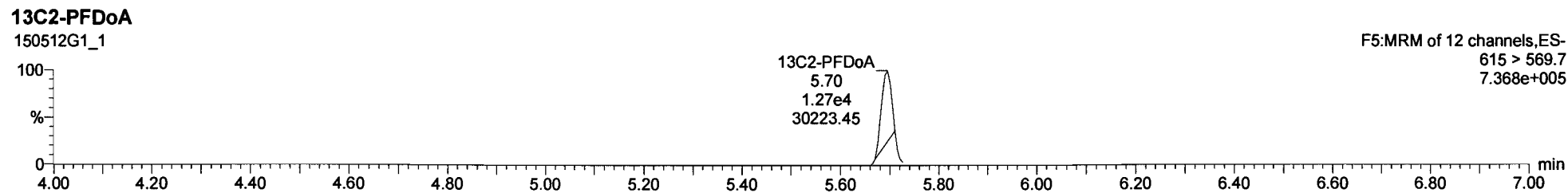
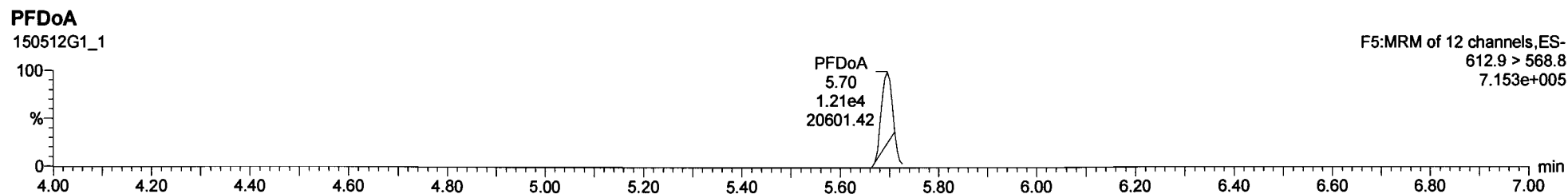
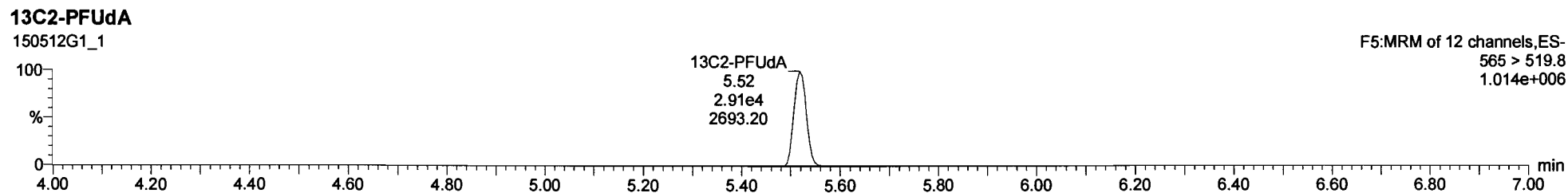
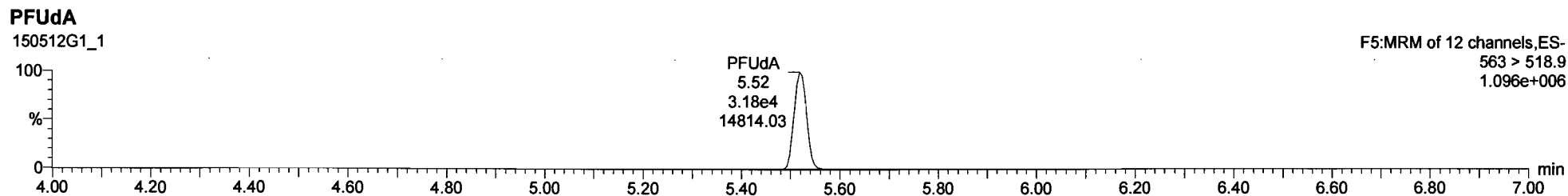
F5:MRM of 12 channels,ES-  
598.8 > 98.7  
2.035e+005



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

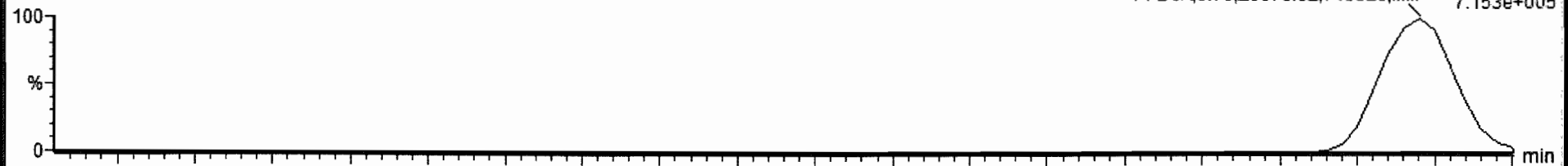




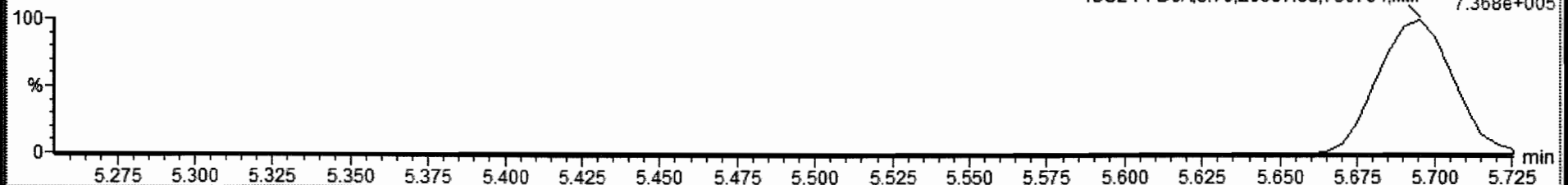
150512G1\_1 - ST150512G1-1 PFC CS4 15E1201 - PFC CS4 15E1201

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D.
15	PFDS	598.8 > 98.7	5.65e3	6.906	0.138	1.000	5.50	56.5	112.9	0.0355494	0.9999
16	PFUDa	563 > 518.9	3.18e4	54.631	1.093	1.000	5.52	53.3	106.6	0.0088446	0.9999
17	PFDoA	612.9 > 568.8	2.01e4	48.051	0.961	1.000	5.70	53.6	107.1	0.0051226	0.9998
18	N-MeFOFA	512.1 > 168.9	1.63e4	1374.861	2.750	1.000	5.80	744	148.8	118.7417200	0.9392
19	N-MeFOFE	616.1 > 58.9	5.82e3	491.871	0.984	1.000	5.81	586	117.3	2.5823803	0.9997
20	PFTrDA	662.9 > 618.9	1.85e4	31.744	0.635	1.000	5.85	83.6	167.3	28.2236813	0.9955
21	N-EtFOFE	630.1 > 58.9	7.84e3	585.895	1.172	1.000	5.92	548	109.6	1.1051203	0.9999
22	N-EtFOFA	526.1 > 168.9	2.15e4	520.918	1.042	1.000	5.92	495	99.1	0.3751414	0.9991
23	PFTeDA	712.9 > 668.8	3.57e4	46.387	0.927	1.000	5.99	51.2	102.3	0.0039929	0.9996
24	PFHxDA	813.1 > 768.6	7.94e4	49.803	0.996	1.000	6.22	54.7	109.3	0.0048924	0.9991
25	PFODA	913.1 > 868.8	1.13e5	70.706	1.414	1.000	6.46	45.8	91.5	0.0058364	0.9790
26	13C3-PFBA	216.1 > 171.8	3.84e4	52.344	1.047	1.000	2.29	50.4	100.7	0.0162661	2.99
27	13C3-PFPeA	266 > 221.8	3.42e4	52.491	1.050	1.000	3.32	53.8	107.6	0.0112796	4.78

150512G1\_1 Smooth(Mn,1x2)  
PFC CS4 15E1201 ST150512G1-1 PFC CS4 15E1201



150512G1\_1 Smooth(Mn,1x2)  
PFC CS4 15E1201 ST150512G1-1 PFC CS4 15E1201

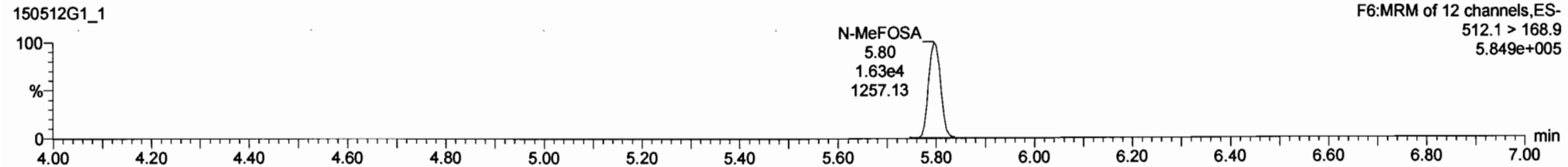


Dataset: Untitled

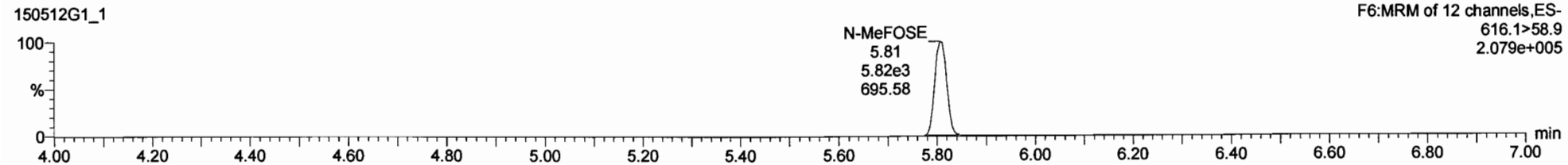
Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

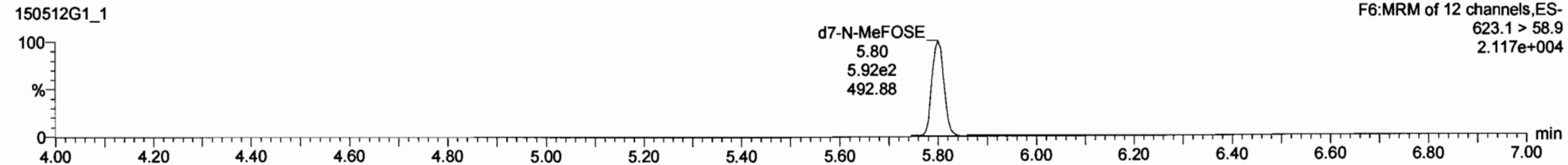
**N-MeFOSA**



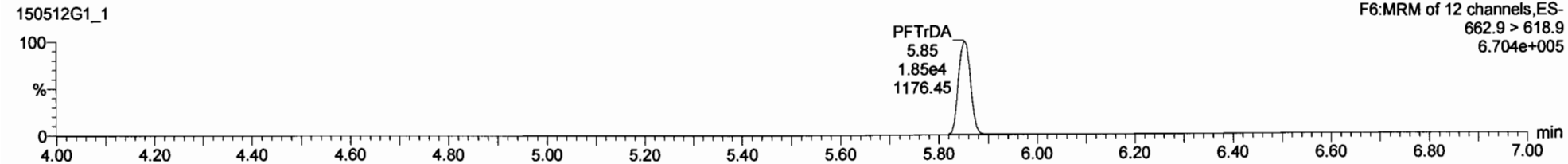
**N-MeFOSE**



**d7-N-MeFOSE**



**PFTrDA**

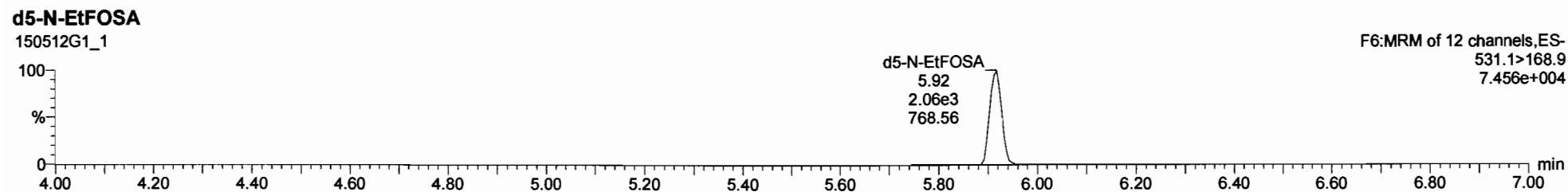
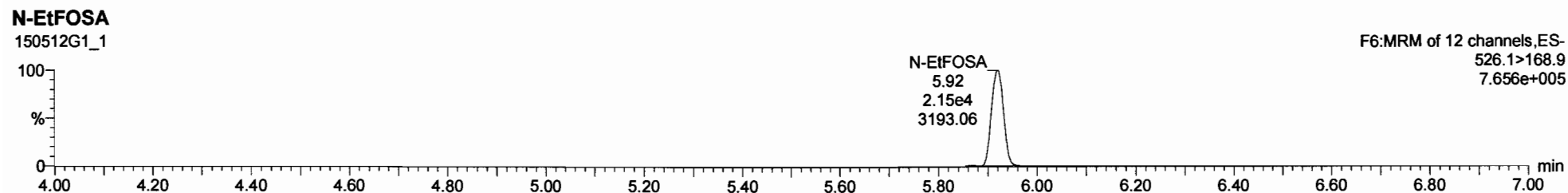
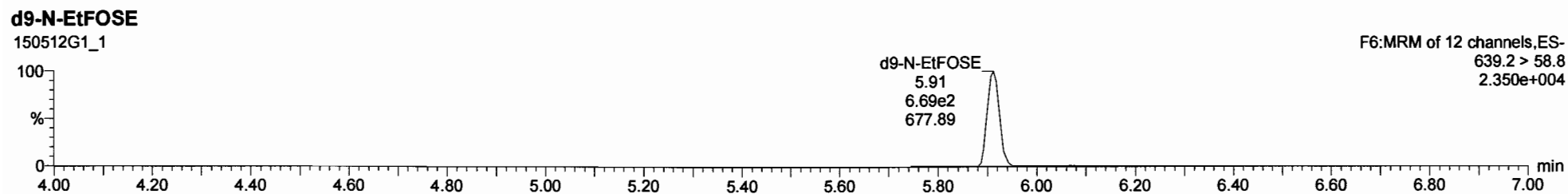
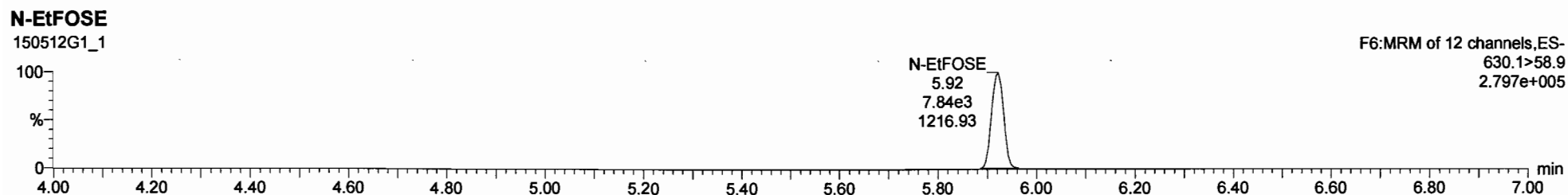


Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time

Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

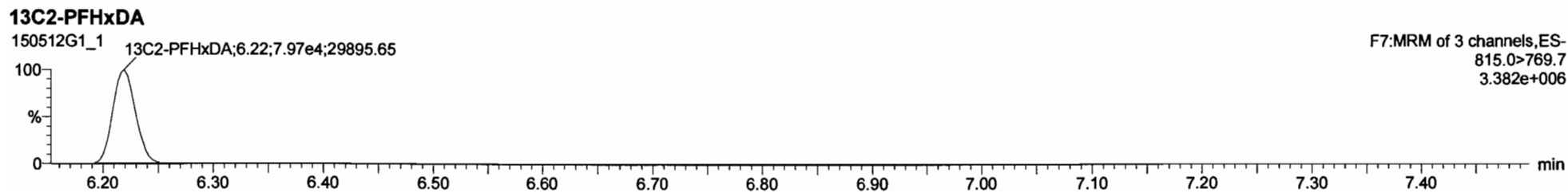
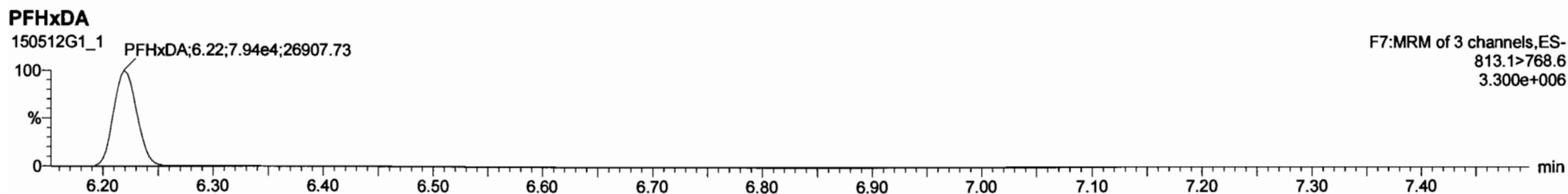
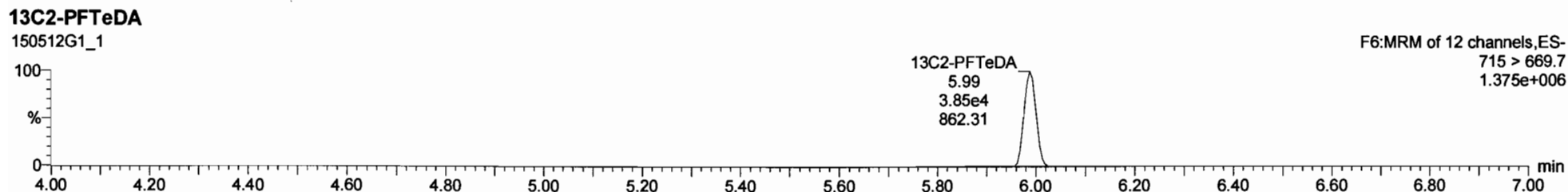
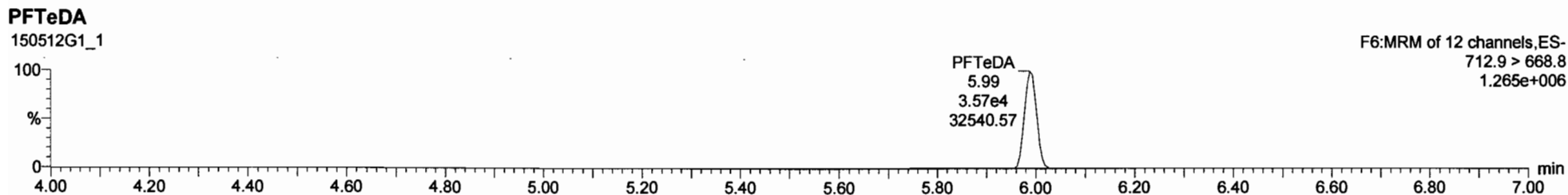
Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201





Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time

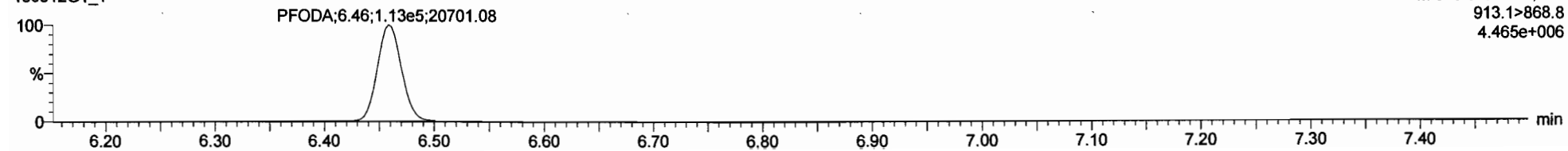
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

**PFODA**

150512G1\_1

F7:MRM of 3 channels,ES-  
913.1>868.8  
4.465e+006



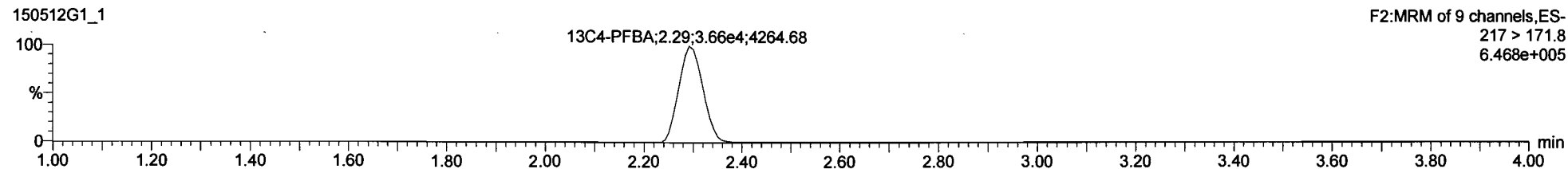
Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time

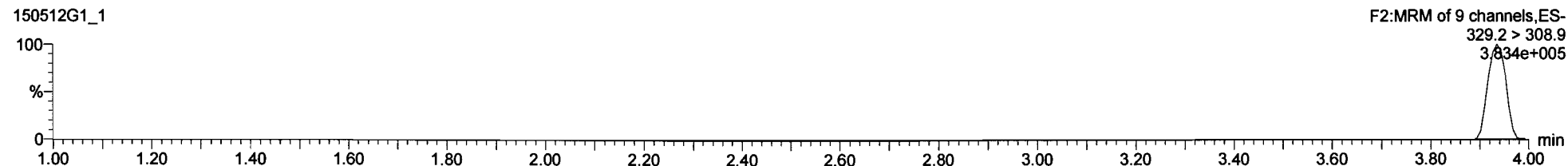
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

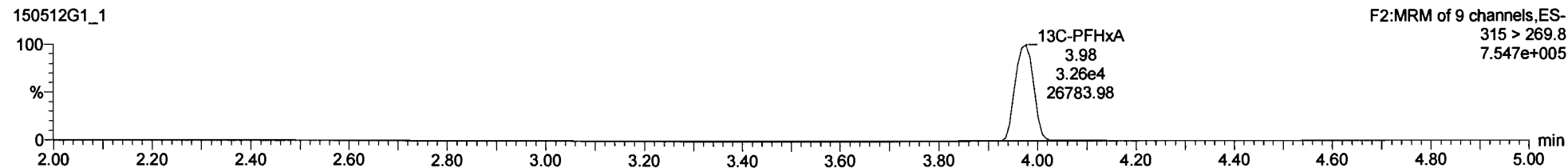
**13C4-PFBA**



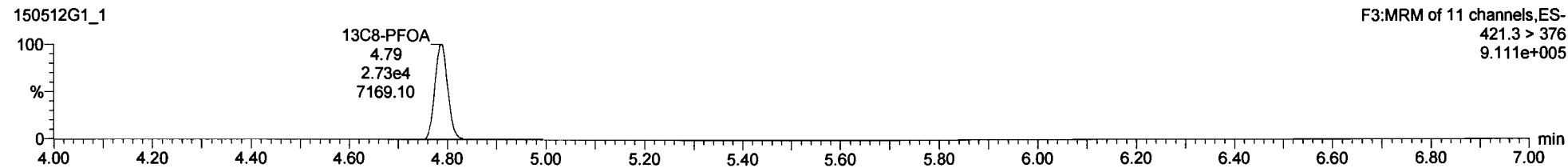
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**



Dataset: Untitled

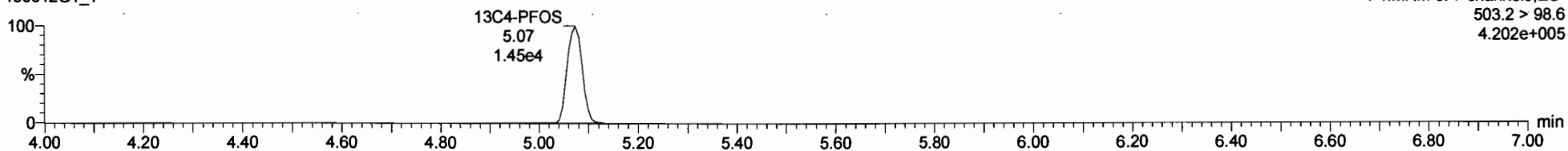
Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

13C4-PFOS

150512G1\_1

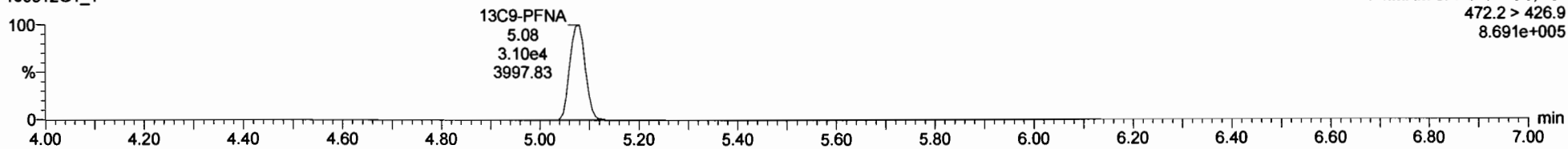
F4:MRM of 7 channels,ES-  
503.2 > 98.6  
4.202e+005



13C9-PFNA

150512G1\_1

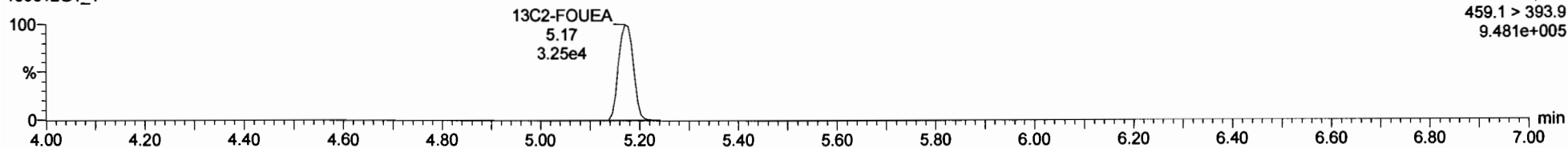
F4:MRM of 7 channels,ES-  
472.2 > 426.9  
8.691e+005



13C2-FOUEA

150512G1\_1

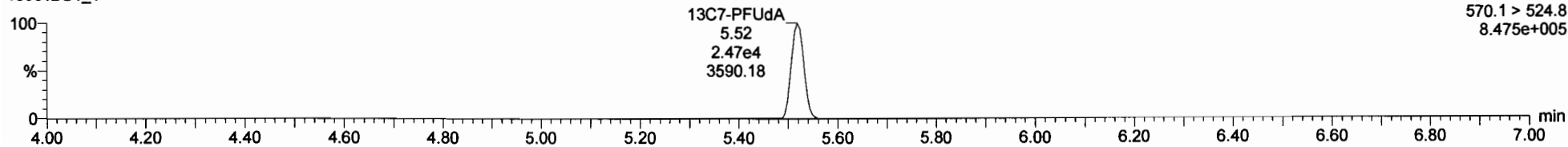
F4:MRM of 7 channels,ES-  
459.1 > 393.9  
9.481e+005



13C7-PFUdA

150512G1\_1

F5:MRM of 12 channels,ES-  
570.1 > 524.8  
8.475e+005



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:33:48 Pacific Daylight Time

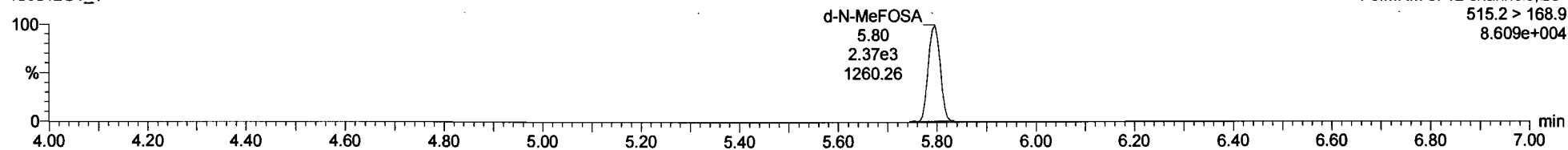
Printed: Wednesday, May 13, 2015 10:34:01 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

**d-N-MeFOSA**

150512G1\_1

F6:MRM of 12 channels,ES-  
515.2 > 168.9  
8.609e+004



Dataset: C:\Projects\Method\_1694.PRO\Results\150512G1\150512G1\_16.qld

Last Altered: Wednesday, May 13, 2015 12:44:38 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 12:45:26 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	1 PFBA	213.1 > 168.8	1.37e4	3.99e4	1.000	2.27	2.27	62.6	125.1
2	2 PFPeA	263.1 > 218.9	3.55e4	3.49e4	1.000	3.28	3.28	58.9	117.8
3	3 PFBS	299 > 79.7	2.83e4	1.59e4	1.000	3.44	3.44	57.4	114.8
4	4 PFHxA	313.2 > 268.9	3.85e4	3.24e4	1.000	3.94	3.94	48.5	96.9
5	5 PFHpA	363 > 318.9	4.11e4	3.24e4	1.000	4.41	4.41	49.6	99.2
6	6 PFHxS	398.9 > 79.6	2.21e4	1.59e4	1.000	4.44	4.44	51.6	103.1
7	7 6:2 FTS	427.1 > 407	4.98e3	9.91e3	1.000	4.76	4.76	53.3	106.5
8	8 PFOA	413 > 368.7	3.52e4	3.59e4	1.000	4.77	4.77	51.9	103.7
9	9 PFHpS	449 > 98.7	1.06e4	1.59e4	1.000	4.77	4.77	54.0	107.9
10	10 PFOS	499 > 98.7	1.56e4	1.45e4	1.000	5.05	5.05	50.6	101.2
11	11 PFNA	463 > 418.8	2.92e4	3.10e4	1.000	5.06	5.06	50.7	101.4
12	12 PFDA	513 > 468.8	5.01e4	4.20e4	1.000	5.30	5.30	52.3	104.6
13	13 8:2 FTS	527 > 506.9	1.53e4	1.52e4	1.000	5.31	5.31	53.6	107.2
14	14 FOSA	498.1 > 77.8	1.49e4	2.51e4	1.000	5.40	5.40	52.0	104.0
15	15 PFDS	598.8 > 98.7	4.53e3	4.20e4	1.000	5.49	5.49	46.7	93.3
16	16 PFUdA	563 > 518.9	2.88e4	2.75e4	1.000	5.50	5.50	51.1	102.2
17	17 PFDoA	612.9 > 568.8	1.25e4	1.34e4	1.000	5.68	5.68	52.1	104.1
18	18 N-MeFOSA	512.1 > 168.9	1.08e4	1.61e2	1.000	5.78	5.78	1130	226.0
19	19 N-MeFOSE	616.1 > 58.9	1.82e3	1.61e2	1.000	5.79	5.79	659	131.7
20	20 PFTrDA	662.9 > 618.9	4.91e3	2.75e4	1.000	5.84	5.84	52.7	105.5
21	21 N-EtFOSE	630.1 > 58.9	2.67e3	2.18e2	1.000	5.91	5.91	574	114.8
22	22 N-EtFOSA	526.1 > 168.9	1.25e4	1.27e3	1.000	5.91	5.91	466	93.3
23	23 PFTeDA	712.9 > 668.8	6.56e3	6.80e3	1.000	5.97	5.97	53.2	106.4
24	24 PFHxDA	813.1 > 768.6	4.15e4	4.36e4	1.000	6.20	6.20	52.1	104.3
25	25 PFODA	913.1 > 868.8	8.76e4	4.36e4	1.000	6.43	6.43	62.4	124.8
26	26 13C3-PFBA	216.1 > 171.8	3.99e4	4.34e4	1.039	1.000	2.26	44.3	88.7
27	27 13C3-PFPeA	266 > 221.8	3.49e4	3.59e4	0.976	1.000	3.28	49.8	99.7
28	28 13C4-PFHpA	367.2 > 321.8	3.24e4	3.59e4	0.850	1.000	4.41	53.0	106.0
29	29 18O2-PFHxS	403 > 102.6	1.59e4	3.59e4	0.420	1.000	4.44	52.8	105.5
30	30 13C2-6:2 FTS	429.1 > 408.9	9.91e3	1.36e4	0.739	1.000	4.76	49.3	98.6
31	31 13C2-PFOA	414.9 > 369.7	3.59e4	3.31e4	1.160	1.000	4.76	46.8	93.6

70-130  
 (A) Recovery outside method limits.  
 AC 5/14/15  
 W  
 5/14/15  
 60-150  
 40-150  
 60-150

Dataset: C:\Projects\Method\_1694.PRO\Results\150512G1\150512G1\_16.qld

Last Altered: Wednesday, May 13, 2015 12:44:38 Pacific Daylight Time

Printed: Wednesday, May 13, 2015 12:45:26 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	13C8-PFOS	507.1 > 98.6	1.45e4	1.58e4	0.939	1.000	5.05	48.7	97.4
33	13C5-PFNA	468.2 > 422.9	3.10e4	3.44e4	0.915	1.000	5.05	49.3	98.6
34	13C2-PFDA	515.1 > 469.9	4.20e4	3.44e4	1.149	1.000	5.30	53.2	106.4
35	13C2-8:2 FTS	529.1 > 508.7	1.52e4	1.36e4	0.918	1.000	5.31	60.8	121.7
36	13C8-FOSA	506.1 > 77.7	2.51e4	2.46e4	0.728	1.000	5.40	69.9	139.8
37	13C2-PFUdA	565 > 519.8	2.75e4	2.46e4	1.148	1.000	5.50	48.6	97.3
38	13C2-PFDoA	615 > 569.7	1.34e4	2.46e4	0.827	1.000	5.68	32.9	65.7
39	d7-N-MeFOSE	623.1 > 58.9	1.61e2	1.71e3	0.597	1.000	5.78	7.88	15.8
40	d9-N-EtFOSE	639.2 > 58.8	2.18e2	1.71e3	0.656	1.000	5.90	9.68	19.4
41	d5-N-EtFOSE	531.1 > 168.9	1.27e3	1.71e3	0.970	1.000	5.90	38.2	76.5
42	13C2-PFTeDA	715 > 669.7	6.80e3	2.46e4	1.415	1.000	5.97	9.75	19.5
43	13C2-PFHxDA	815.0 > 769.7	4.36e4	2.46e4	2.520	1.000	6.20	35.1	70.2
44	13C4-PFBA	217 > 171.8	4.34e4	4.34e4	1.000	1.000	2.26	50.0	100.0
45	13C2-4:2 FTS	329.2 > 308.9	1.36e4	1.36e4	1.000	1.000	3.91	50.0	100.0
46	13C-PFHxA	315 > 269.8	3.59e4	3.59e4	1.000	1.000	3.94	50.0	100.0
47	13C8-PFOA	421.3 > 376	3.31e4	3.31e4	1.000	1.000	4.76	50.0	100.0
48	13C4-PFOS	503.2 > 98.6	1.58e4	1.58e4	1.000	1.000	5.05	50.0	100.0
49	13C2-FOUEA	459.1 > 393.9	4.73e4	4.73e4	1.000	1.000	5.15	50.0	100.0
50	13C9-PFNA	472.2 > 426.9	3.44e4	3.44e4	1.000	1.000	5.05	50.0	100.0
51	13C7-PFUdA	570.1 > 524.8	2.46e4	2.46e4	1.000	1.000	5.50	50.0	100.0
52	d-N-MeFOSA	515.2 > 168.9	1.71e3	1.71e3	1.000	1.000	5.78	50.0	100.0

Ⓐ Recovery outside method limits.

ACS/13/15

60-150  
50-150  
60-150  
40-150  
20-150  
60-150  
30-150  
5-150  
↓  
30-150  
↓

Dataset: Untitled

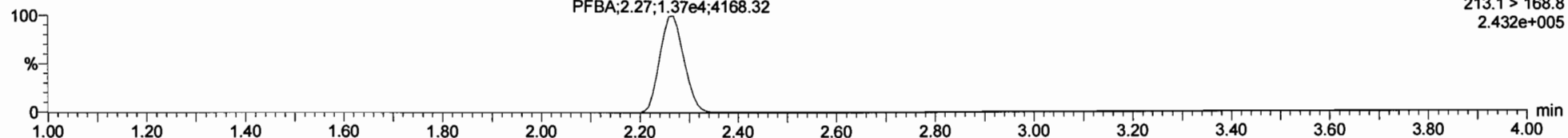
Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

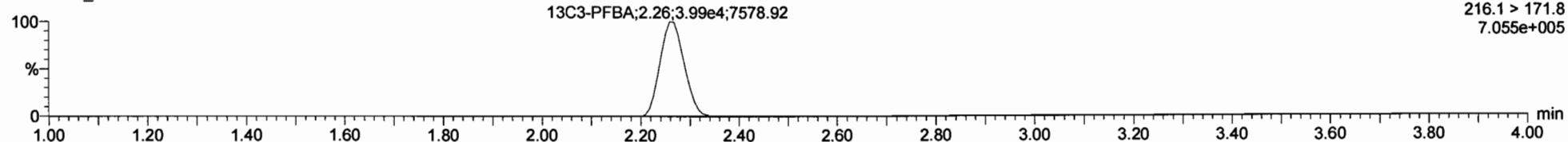
**PFBA**

150512G1\_16



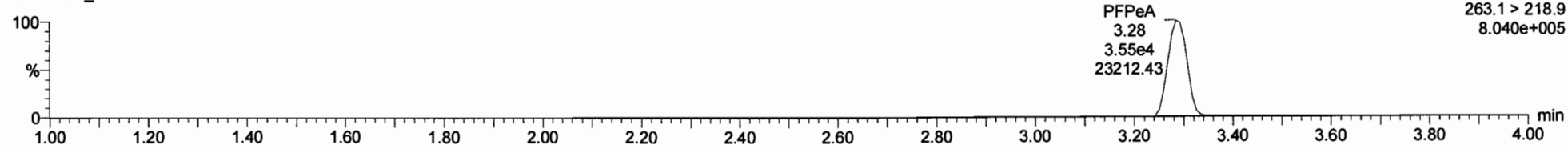
**13C3-PFBA**

150512G1\_16



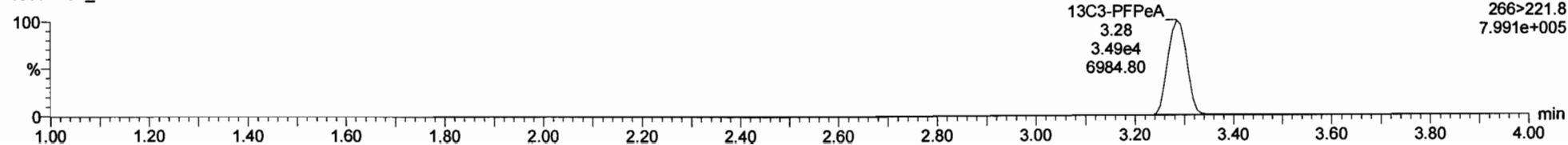
**PFPeA**

150512G1\_16



**13C3-PFPeA**

150512G1\_16



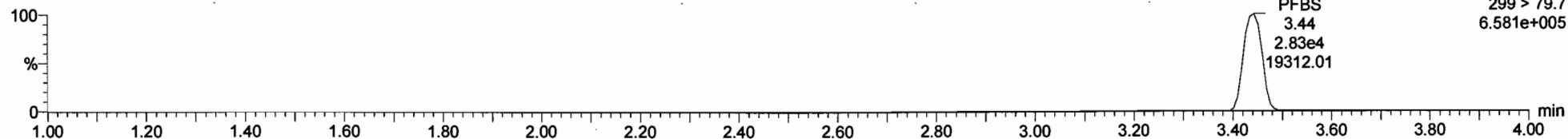
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Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

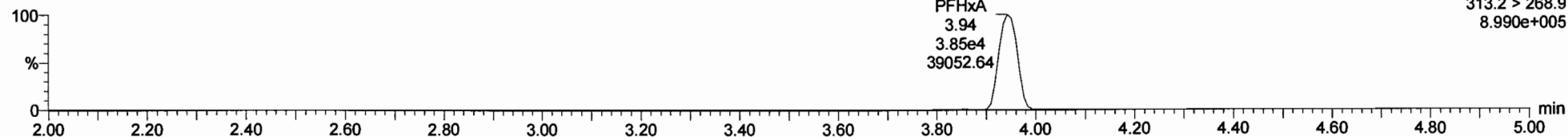
**PFBS**

150512G1\_16



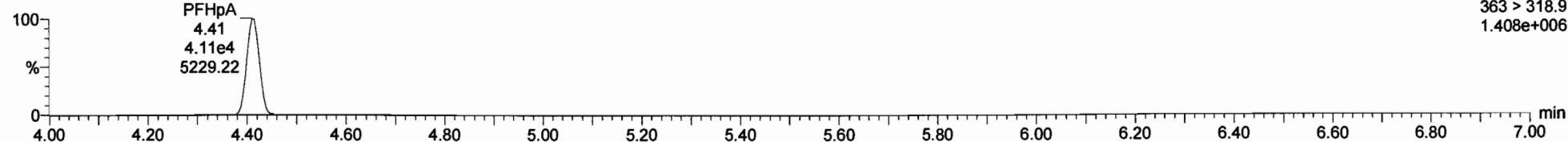
**PFHxA**

150512G1\_16



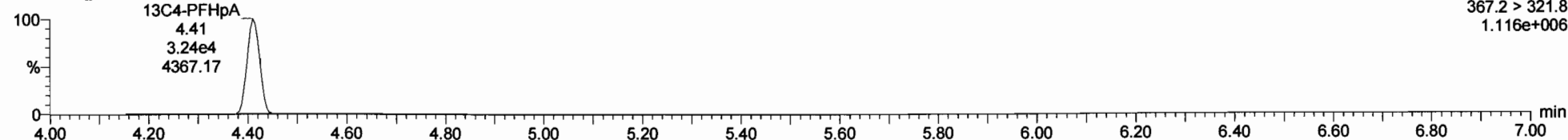
**PFHpA**

150512G1\_16



**13C4-PFHpA**

150512G1\_16





Dataset: Untitled

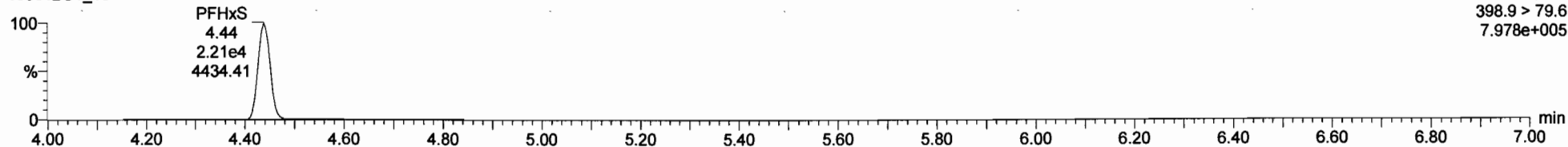
Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time

Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

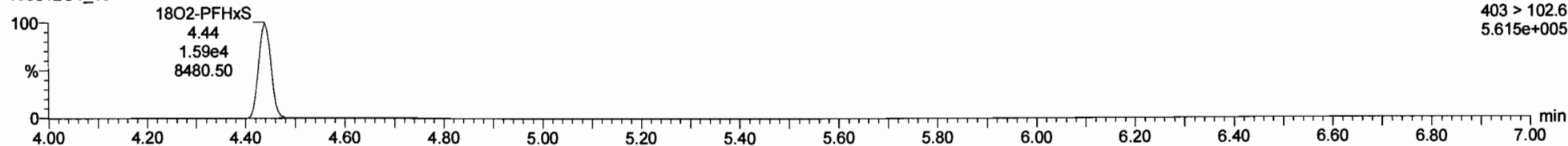
**PFHxS**

150512G1\_16



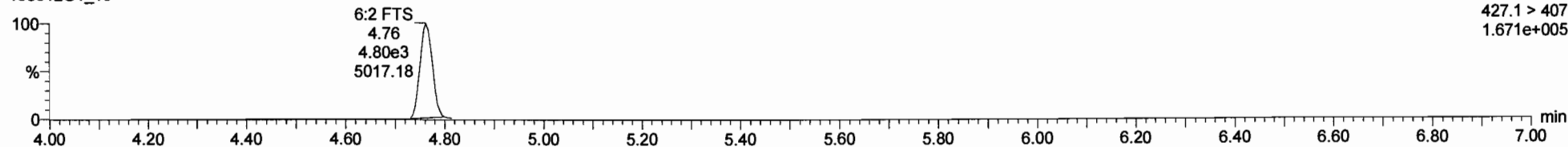
**18O2-PFHxS**

150512G1\_16



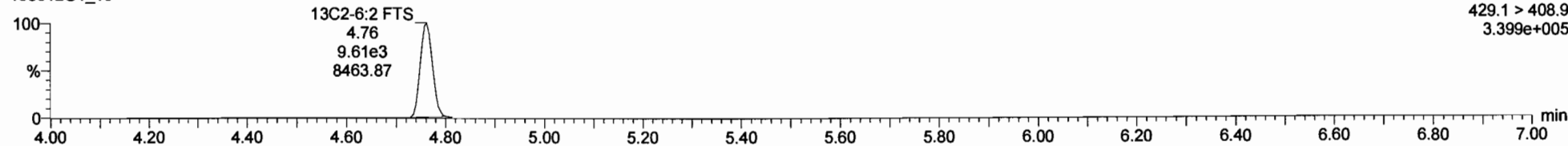
**6:2 FTS**

150512G1\_16



**13C2-6:2 FTS**

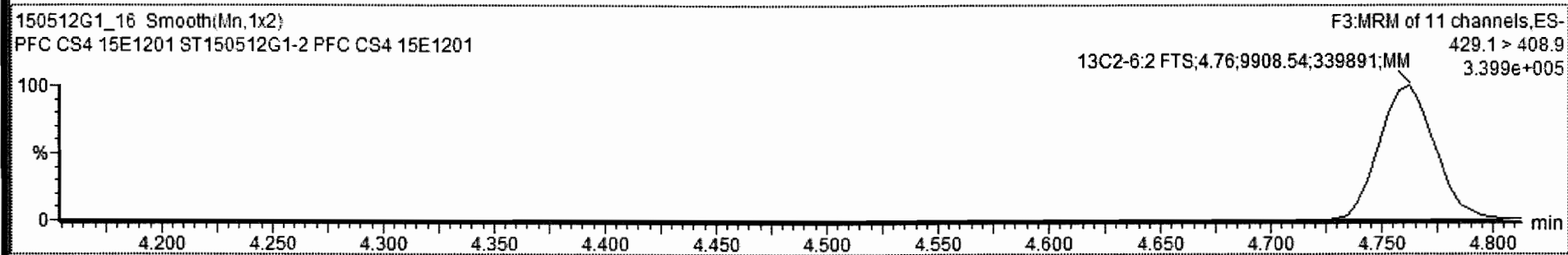
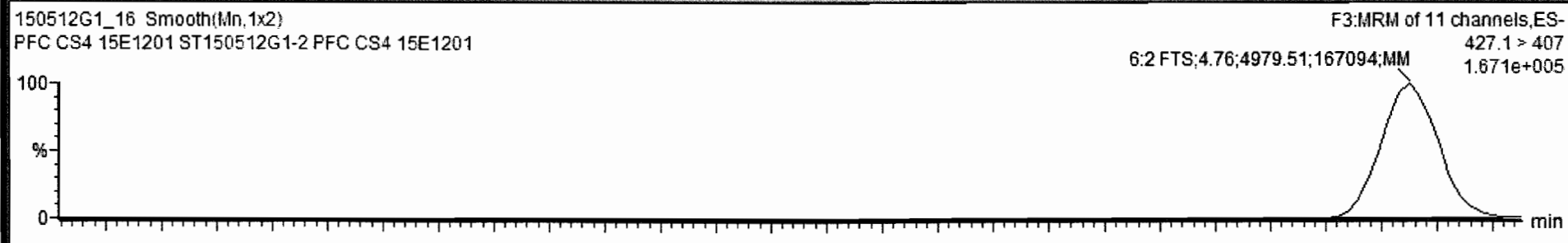
150512G1\_16





150512G1\_16 - ST150512G1-2 PFC CS4 15E1201 - PFC CS4 15E1201

	Name	Trace	Area	RRF	Wt/Vol	Pred.RT	RT	Conc.	>MDL	%Rec	DL
1	PFBA	213.1 > 168.8	1.37e4		1.000	2.26	2.27	62.6	YES	125.1	0.0381478
2	PFPeA	263.1 > 218.9	3.55e4		1.000	3.30	3.28	58.9	YES	117.8	0.0063994
3	PFBS	299 > 79.7	2.83e4		1.000	3.46	3.44	57.4	YES	114.8	0.0051393
4	PFHxA	313.2 > 268.9	3.85e4		1.000	3.95	3.94	48.5	YES	96.9	0.0021306
5	PFHpA	363 > 318.9	4.11e4		1.000	4.41	4.41	49.6	YES	99.2	0.0235833
6	PFHxS	398.9 > 79.6	2.21e4		1.000	4.35	4.44	51.6	YES	103.1	0.0304809
7	6:2 FTS	427.1 > 407	4.98e3		1.000	4.61	4.76	53.3	YES	106.5	0.0244776
8	PFOA	413 > 368.7	3.34e4		1.000	4.76	4.77	52.0	YES	103.9	0.0064537
9	PFHpS	449 > 98.7	9.63e3		1.000	4.73	4.77	48.9	YES	97.9	0.0183703
10	PFOS	499 > 98.7	1.56e4		1.000	5.05	5.05	50.6	YES	101.2	0.0000000
11	PFNA	463 > 418.8	2.92e4		1.000	5.05	5.06	50.7	YES	101.4	0.0000000
12	PFDA	513 > 468.8	4.79e4		1.000	5.28	5.30	52.8	NO	105.7	0.0223311
13	8:2 FTS	527 > 506.9	1.53e4		1.000	5.31	5.31	53.6	YES	107.2	0.1004384



Dataset: Untitled

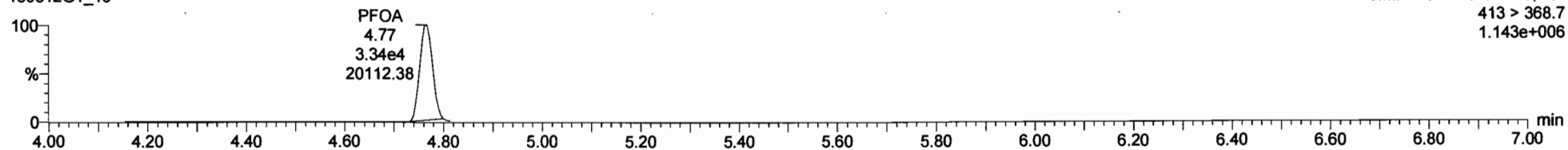
Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

**PFOA**

150512G1\_16

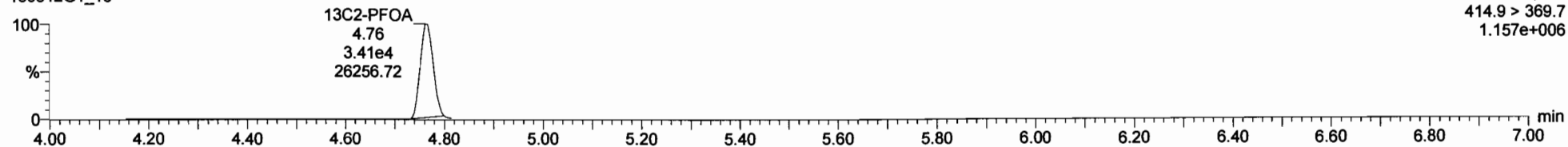
F3:MRM of 11 channels,ES-  
413 > 368.7  
1.143e+006



**13C2-PFOA**

150512G1\_16

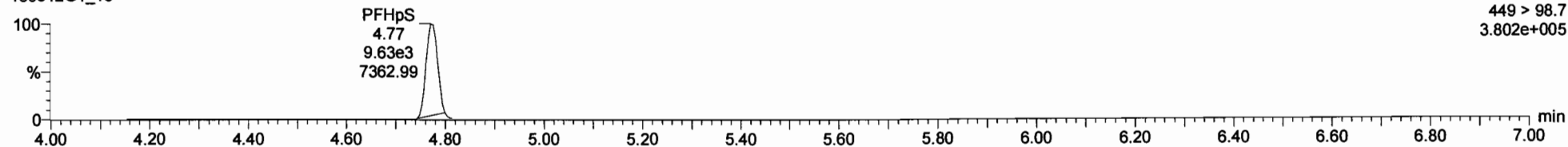
F3:MRM of 11 channels,ES-  
414.9 > 369.7  
1.157e+006

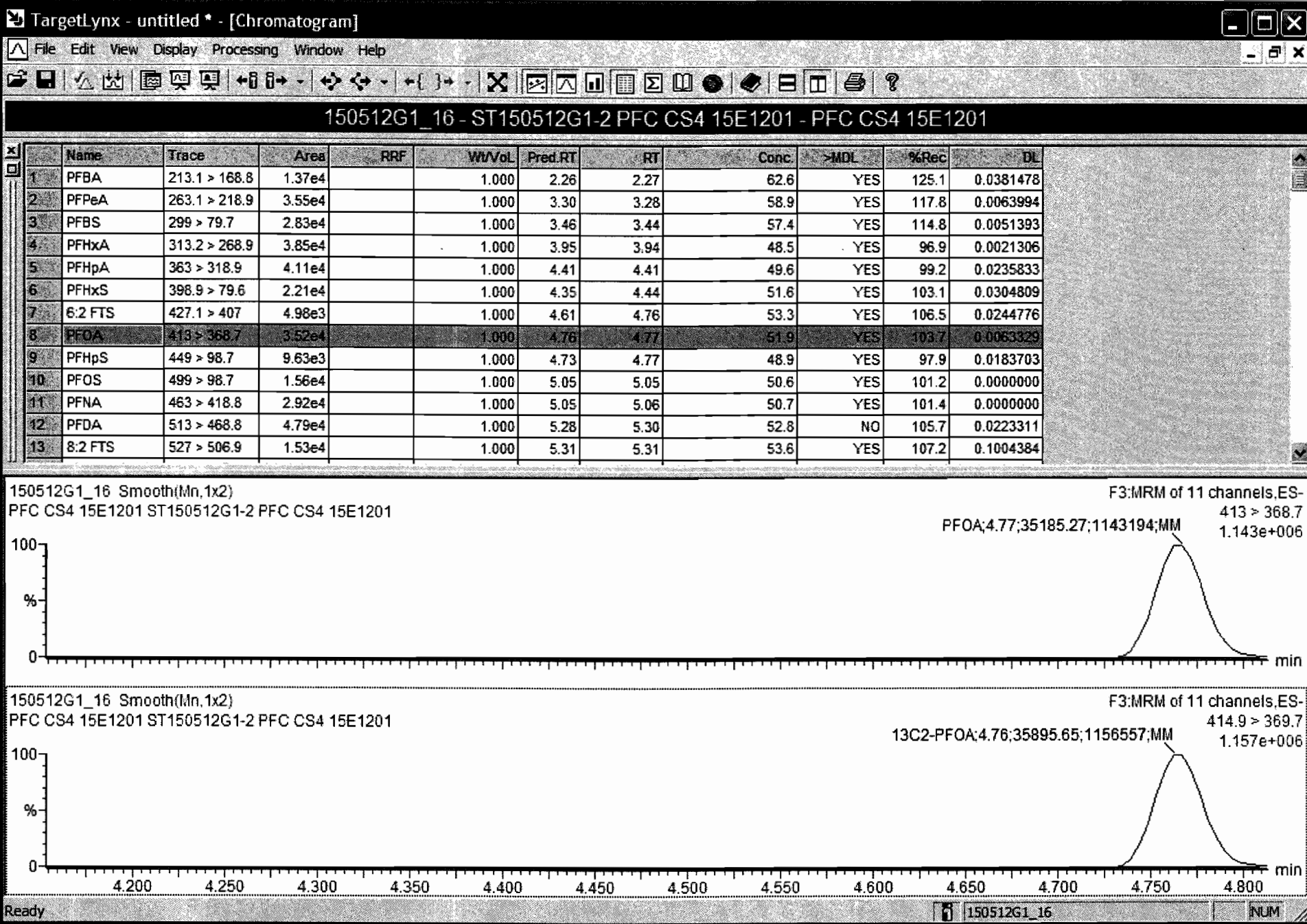


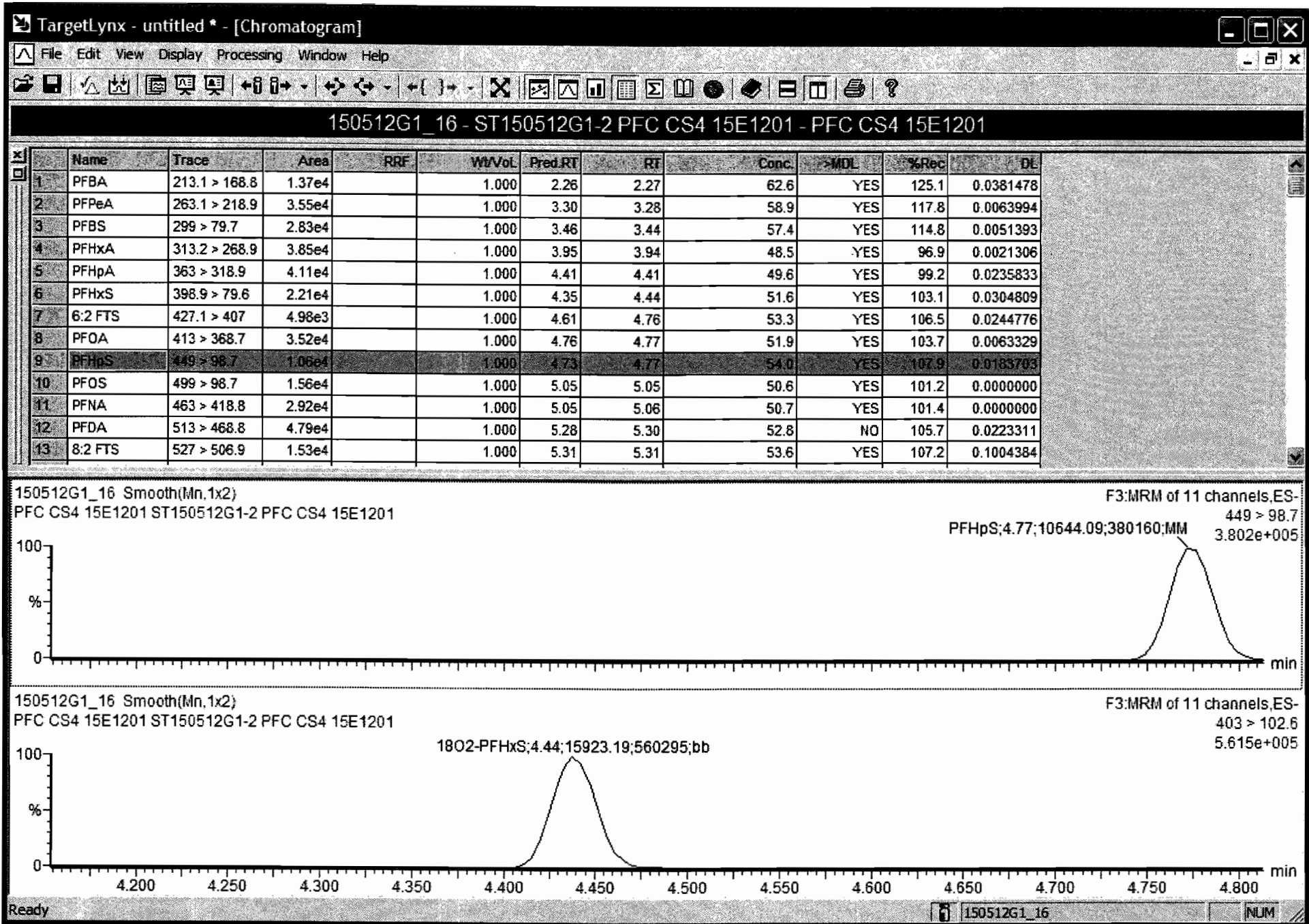
**PFHpS**

150512G1\_16

F3:MRM of 11 channels,ES-  
449 > 98.7  
3.802e+005







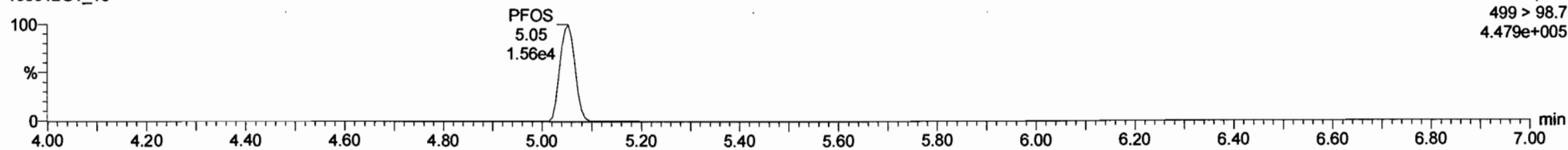
Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

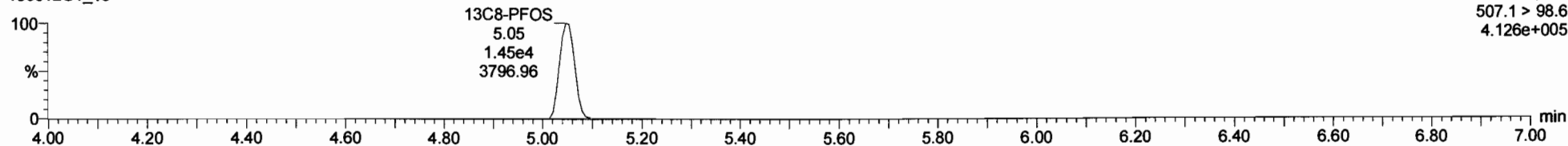
**PFOS**

150512G1\_16



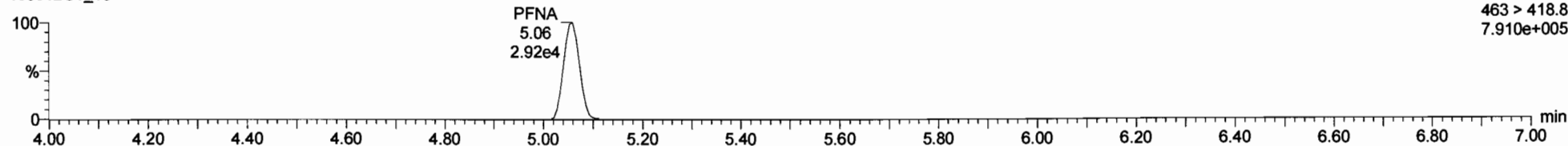
**13C8-PFOS**

150512G1\_16



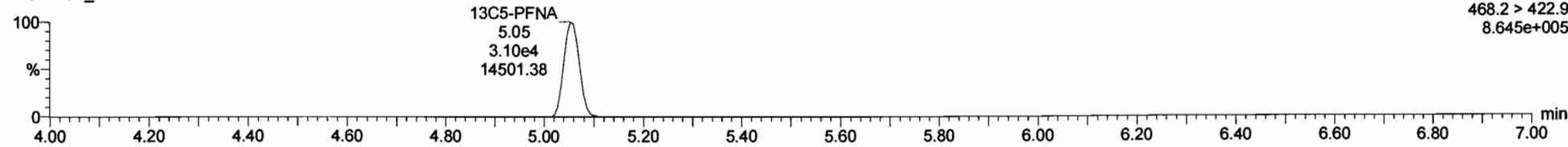
**PFNA**

150512G1\_16



**13C5-PFNA**

150512G1\_16



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time

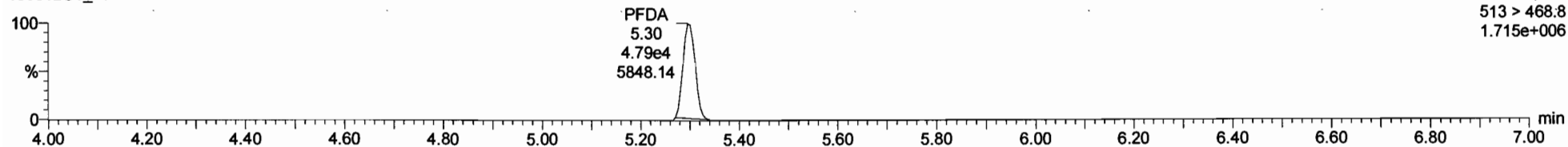
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

**PFDA**

150512G1\_16

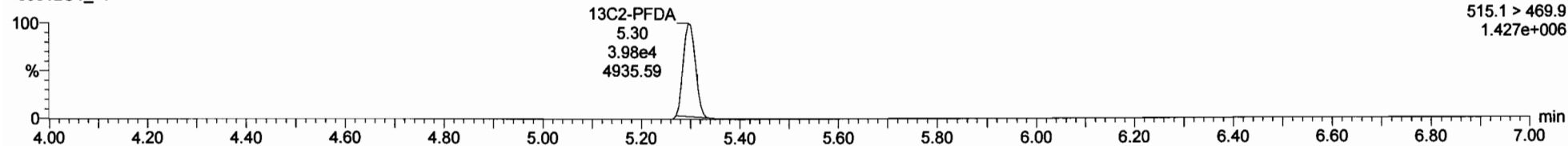
F5:MRM of 12 channels,ES-  
513 > 468.8  
1.715e+006



**13C2-PFDA**

150512G1\_16

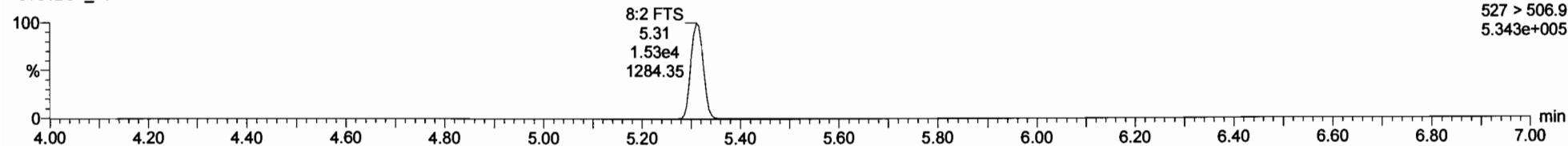
F5:MRM of 12 channels,ES-  
515.1 > 469.9  
1.427e+006



**8:2 FTS**

150512G1\_16

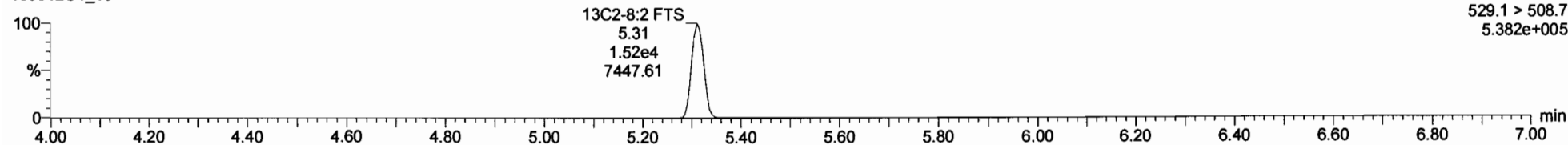
F5:MRM of 12 channels,ES-  
527 > 506.9  
5.343e+005

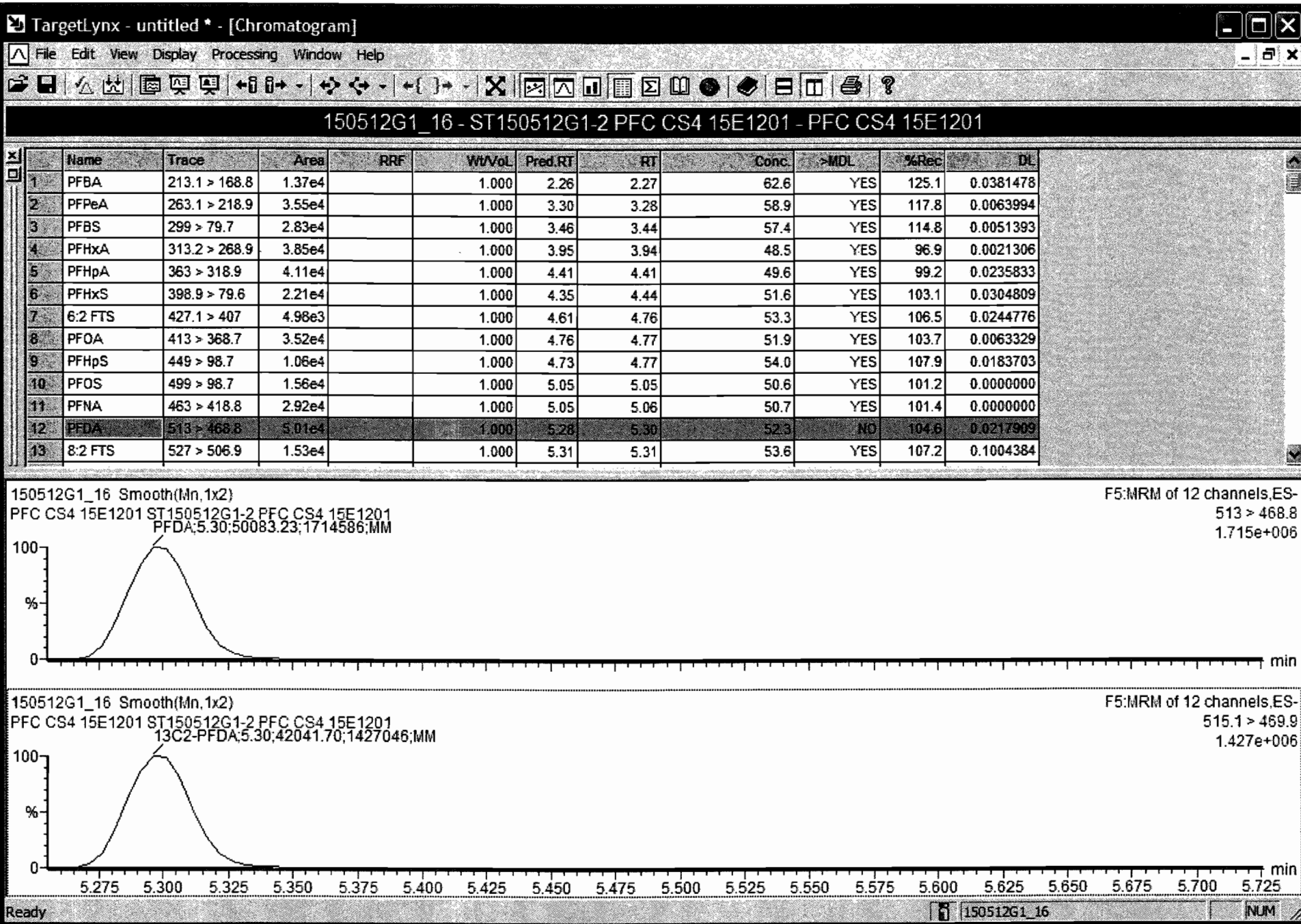


**13C2-8:2 FTS**

150512G1\_16

F5:MRM of 12 channels,ES-  
529.1 > 508.7  
5.382e+005







Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time

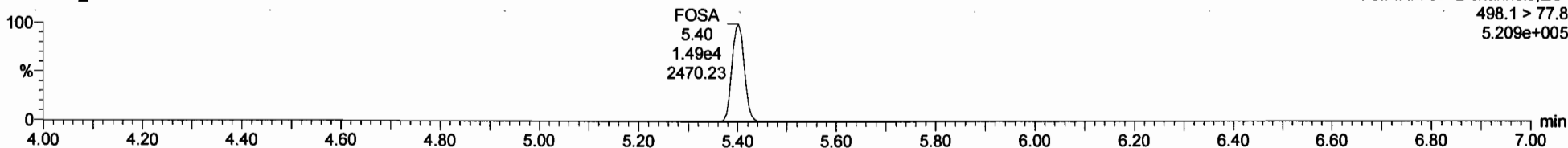
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

**FOSA**

150512G1\_16

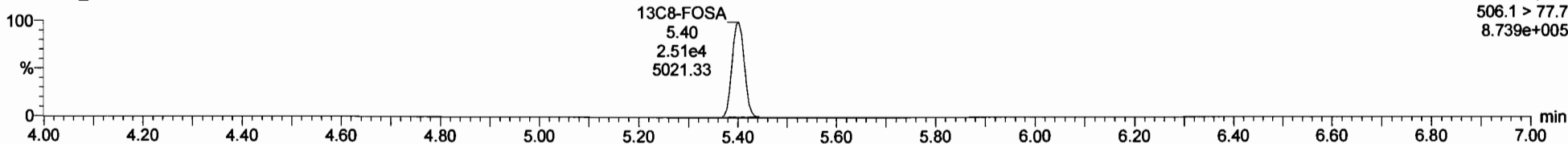
F5:MRM of 12 channels,ES-  
498.1 > 77.8  
5.209e+005



**13C8-FOSA**

150512G1\_16

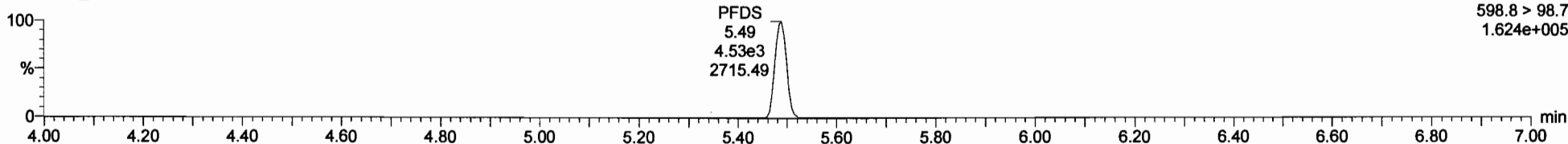
F5:MRM of 12 channels,ES-  
506.1 > 77.7  
8.739e+005



**PFDS**

150512G1\_16

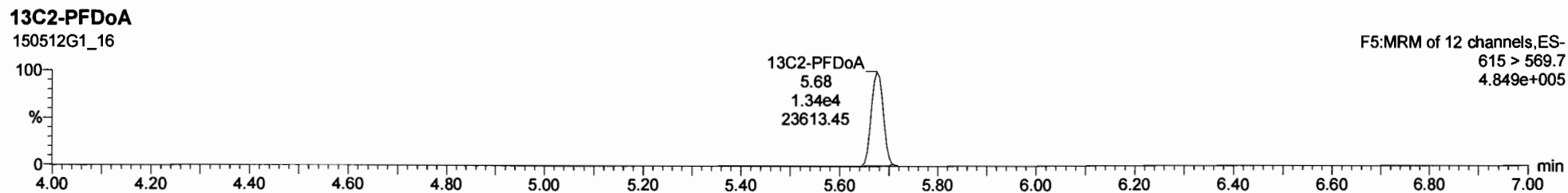
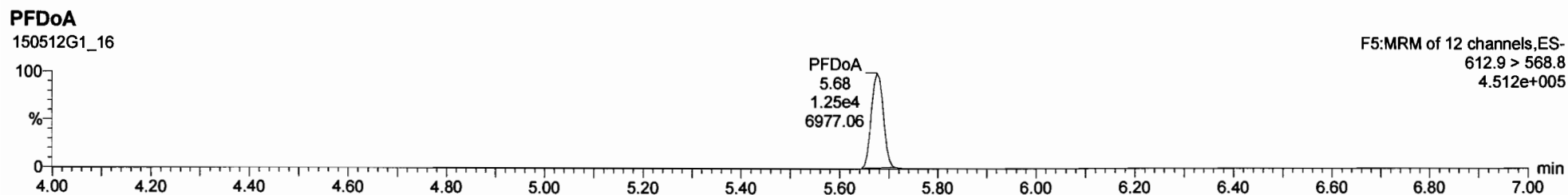
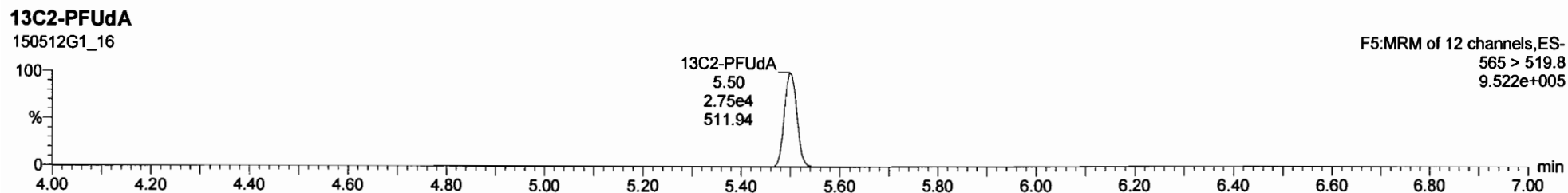
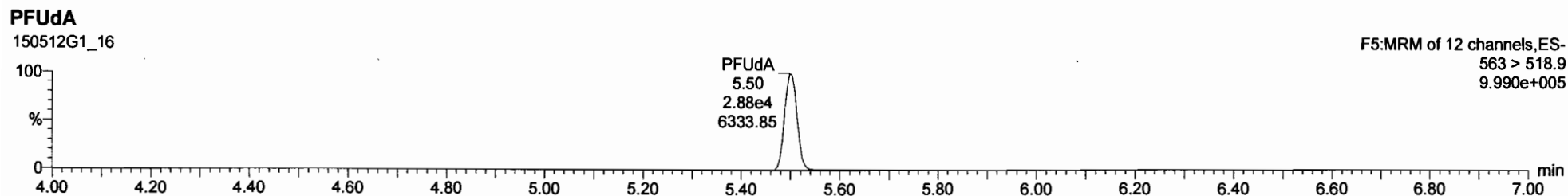
F5:MRM of 12 channels,ES-  
598.8 > 98.7  
1.624e+005



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time

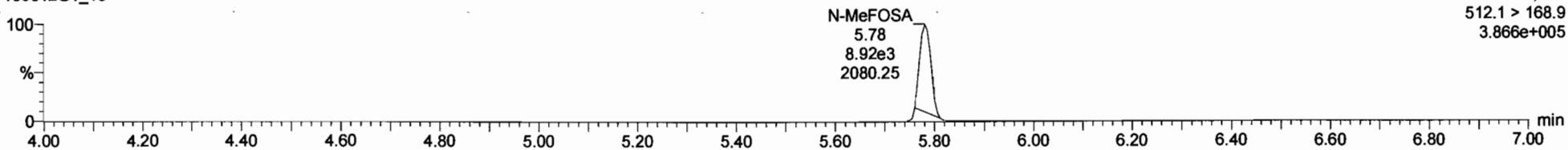
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

**N-MeFOSA**

150512G1\_16

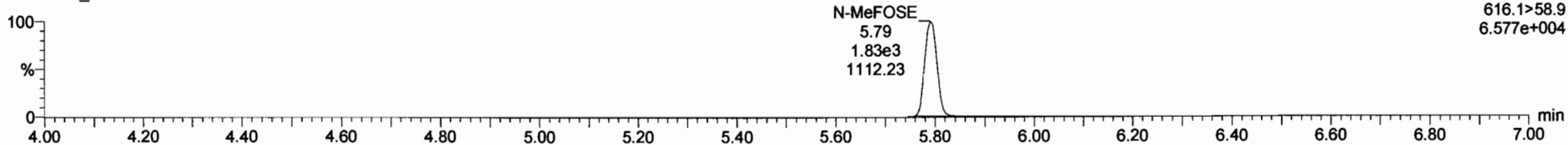
F6:MRM of 12 channels,ES-  
512.1 > 168.9  
3.866e+005



**N-MeFOSE**

150512G1\_16

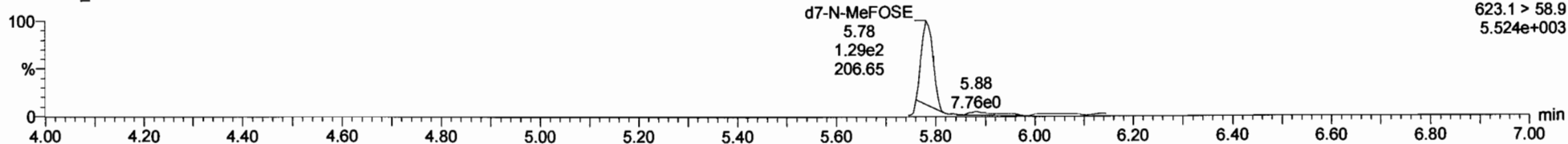
F6:MRM of 12 channels,ES-  
616.1 > 58.9  
6.577e+004



**d7-N-MeFOSE**

150512G1\_16

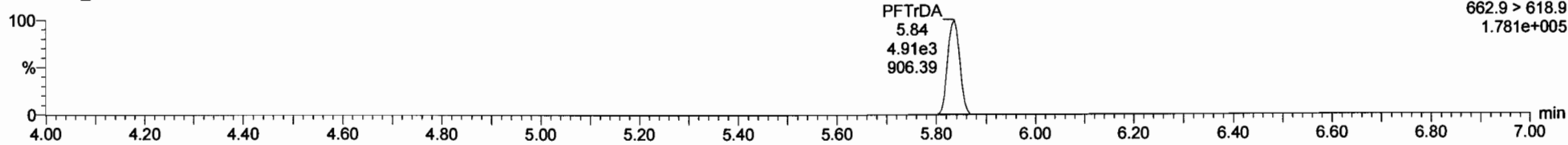
F6:MRM of 12 channels,ES-  
623.1 > 58.9  
5.524e+003



**PFTTrDA**

150512G1\_16

F6:MRM of 12 channels,ES-  
662.9 > 618.9  
1.781e+005





150512G1\_16 - ST150512G1-2 PFC CS4 15E1201 - PFC CS4 15E1201

	Name	Trace	Area	RRF	Wt/Vol	Pred.RT	RT	Conc.	>MDL	%Rec	DL
15	PFDS	598.8 > 98.7	4.53e3		1.000	5.48	5.49	46.7	NO	93.3	0.0639203
16	PFUdA	563 > 518.9	2.88e4		1.000	5.50	5.50	51.1	NO	102.2	0.0201066
17	PFDcA	612.9 > 568.8	1.25e4		1.000	5.68	5.68	52.1	NO	104.1	0.0194189
18	N-MeFOSA	512.1 > 168.9	1.08e4		1.000	5.67	5.78	1130	NO	226.4	121.6579986
19	N-MeFOSE	616.1 > 58.9	1.83e3		1.000	5.67	5.79	664	NO	132.8	1.9684196
20	PFTrDA	662.9 > 618.9	4.91e3		1.000	5.85	5.84	52.7	NO	105.5	27.9932980
21	N-EtFOSE	630.1 > 58.9	2.67e3		1.000	5.90	5.91	574	NO	114.8	1.3803088
22	N-EtFOSA	526.1 > 168.9	1.25e4		1.000	5.90	5.91	466	NO	93.3	1.0645605
23	PFTeDA	712.9 > 668.8	6.56e3		1.000	6.05	5.97	53.2	NO	106.4	0.0713210
24	PFHxDA	813.1 > 768.6	4.15e4		1.000	6.20	6.20	52.1	NO	104.3	0.0094430
25	PFODA	913.1 > 868.8	8.76e4		1.000	6.38	6.43	62.4	NO	124.8	0.0062890
26	13C3-PFBA	216.1 > 171.8	3.99e4	1.04	1.000	2.27	2.26	44.3	NO	88.7	0.0145107
27	13C3-PFPeA	266 > 221.8	3.49e4	0.976	1.000	3.28	3.28	49.8	NO	99.7	0.0174268

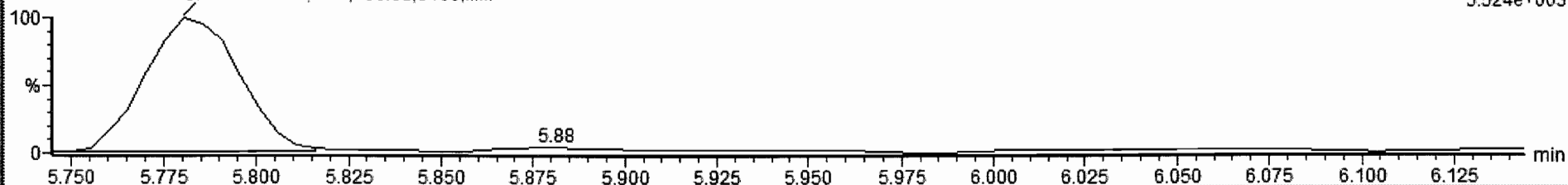
150512G1\_16 Smooth(Mn,1x2)  
 PFC CS4 15E1201 ST150512G1-2 PFC CS4 15E1201  
 N-MeFOSA;5.78;10839.29;386637;MM

F6:MRM of 12 channels,ES-  
 512.1 > 168.9  
 3.866e+005



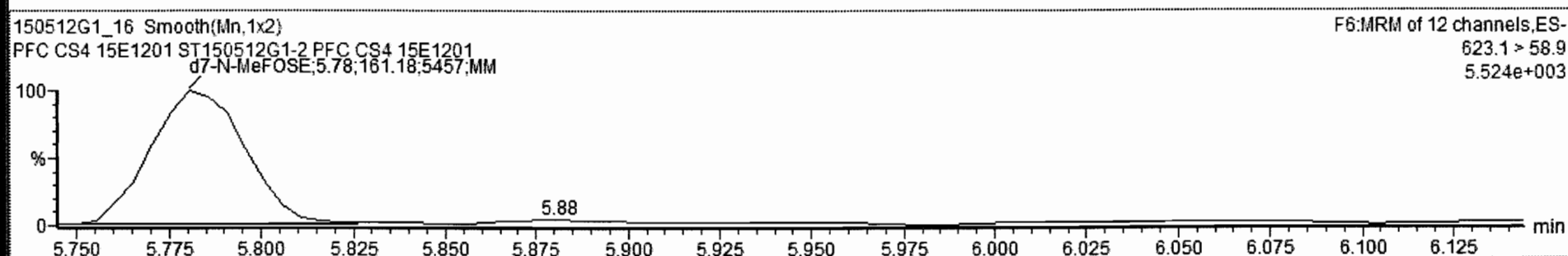
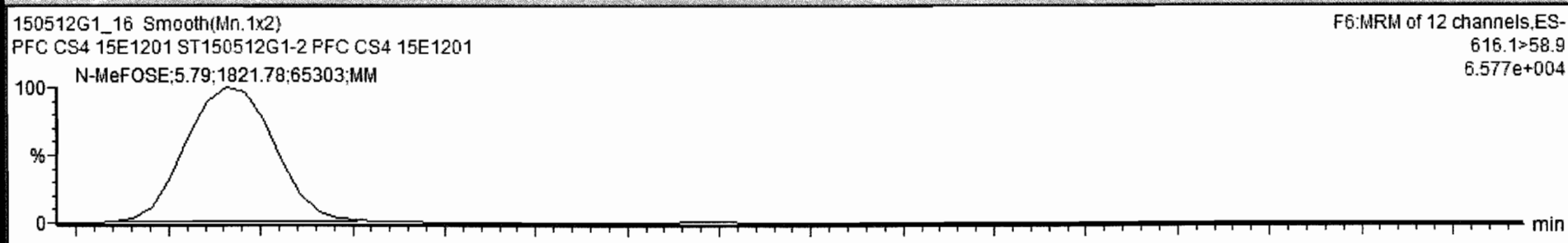
150512G1\_16 Smooth(Mn,1x2)  
 PFC CS4 15E1201 ST150512G1-2 PFC CS4 15E1201  
 d7-N-MeFOSE;5.78;160.58;5460;MM

F6:MRM of 12 channels,ES-  
 623.1 > 58.9  
 5.524e+003



150512G1\_16 - ST150512G1-2 PFC CS4 15E1201 - PFC CS4 15E1201

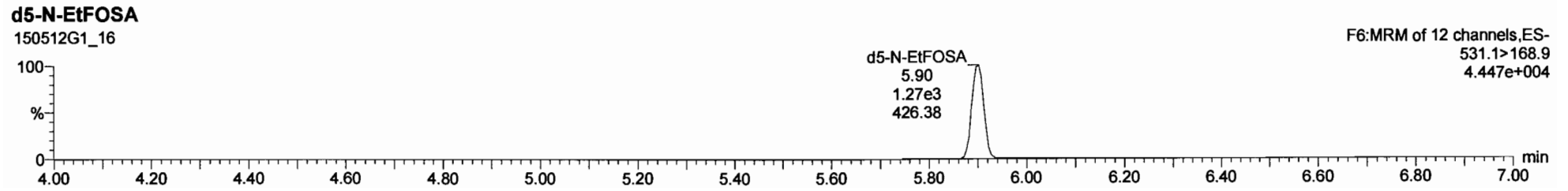
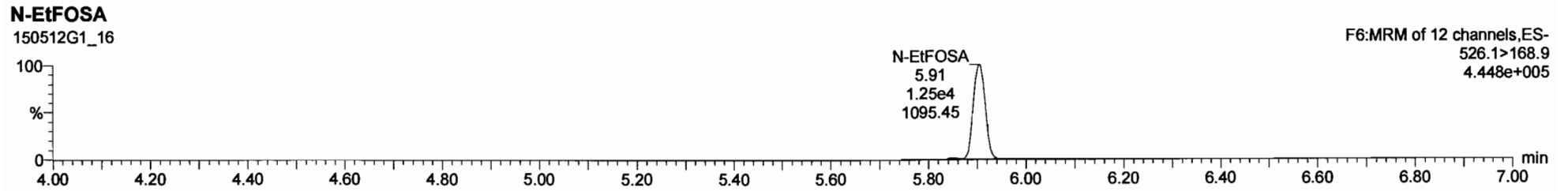
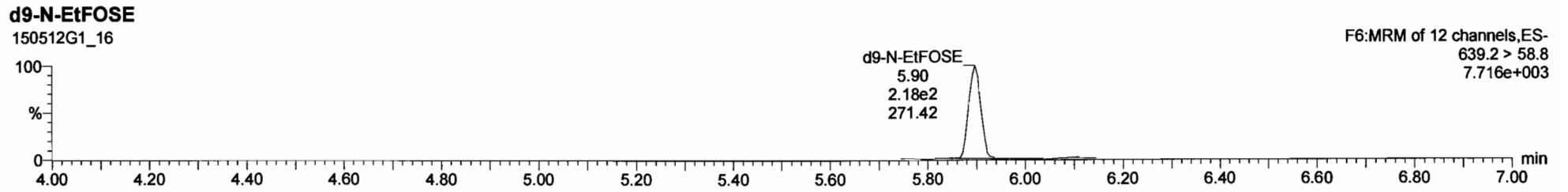
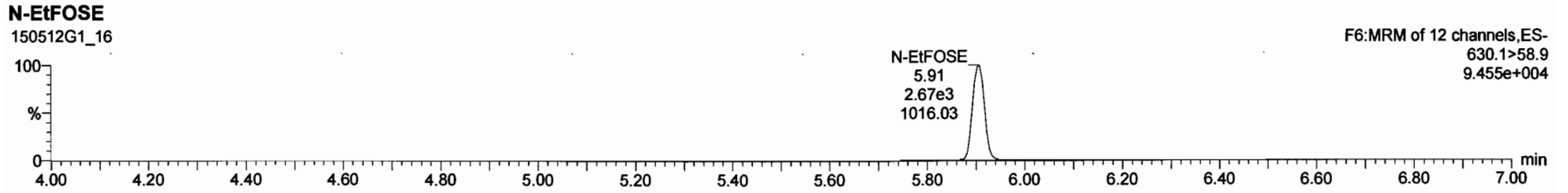
Name	Trace	Area	RRF	Wt/Vol	Pred.RT	RT	Conc.	>MDL	%Rec	DL
15	PFDS	598.8 > 98.7	4.53e3	1.000	5.48	5.49	46.7	NO	93.3	0.0639203
16	PFUdA	563 > 518.9	2.88e4	1.000	5.50	5.50	51.1	NO	102.2	0.0201066
17	PFDaA	612.9 > 568.8	1.25e4	1.000	5.68	5.68	52.1	NO	104.1	0.0194189
18	N-MeFOSA	512.1 > 168.9	1.08e4	1.000	5.67	5.78	1130	NO	226.0	121.6634690
19	N-MeFOSE	616.1 > 58.9	1.82e3	1.000	5.67	5.79	659	NO	131.7	1.9695009
20	PFTTrDA	662.9 > 618.9	4.91e3	1.000	5.85	5.84	52.7	NO	105.5	27.9932980
21	N-EtFOSE	630.1 > 58.9	2.67e3	1.000	5.90	5.91	574	NO	114.8	1.3803088
22	N-EtFOSA	526.1 > 168.9	1.25e4	1.000	5.90	5.91	466	NO	93.3	1.0645605
23	PFTTeDA	712.9 > 668.8	6.56e3	1.000	6.05	5.97	53.2	NO	106.4	0.0713210
24	PFHxDA	813.1 > 768.6	4.15e4	1.000	6.20	6.20	52.1	NO	104.3	0.0094430
25	PFODA	913.1 > 868.8	8.76e4	1.000	6.38	6.43	62.4	NO	124.8	0.0062890
26	13C3-PFBA	216.1 > 171.8	3.99e4	1.04	2.27	2.26	44.3	NO	88.7	0.0145107
27	13C3-PFPeA	266 > 221.8	3.49e4	0.976	3.28	3.28	49.8	NO	99.7	0.0174268



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time

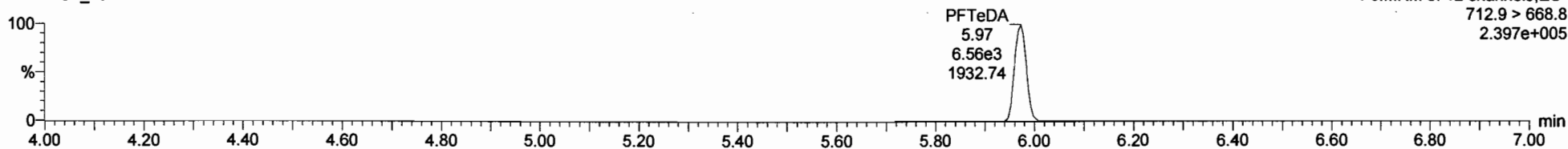
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

**PFTeDA**

150512G1\_16

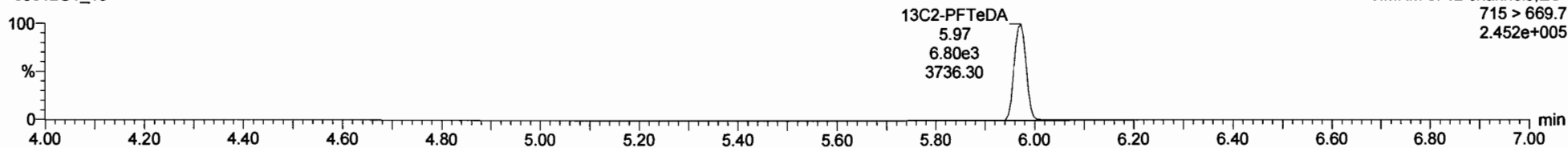
F6:MRM of 12 channels,ES-  
712.9 > 668.8  
2.397e+005



**13C2-PFTeDA**

150512G1\_16

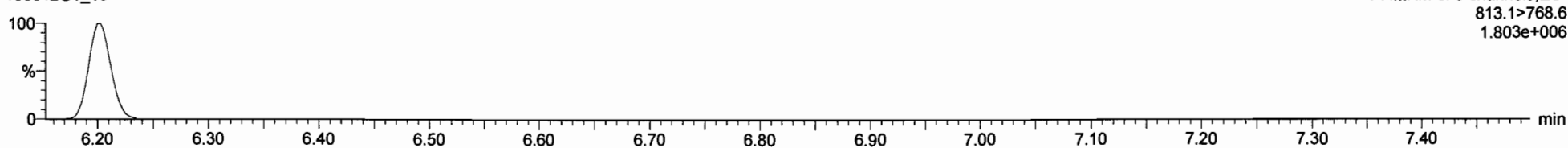
F6:MRM of 12 channels,ES-  
715 > 669.7  
2.452e+005



**PFHxDA**

150512G1\_16

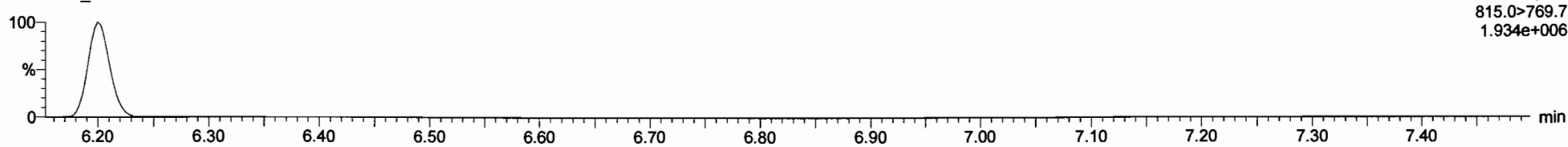
F7:MRM of 3 channels,ES-  
813.1 > 768.6  
1.803e+006



**13C2-PFHxDA**

150512G1\_16

F7:MRM of 3 channels,ES-  
815.0 > 769.7  
1.934e+006



Dataset:        Untitled

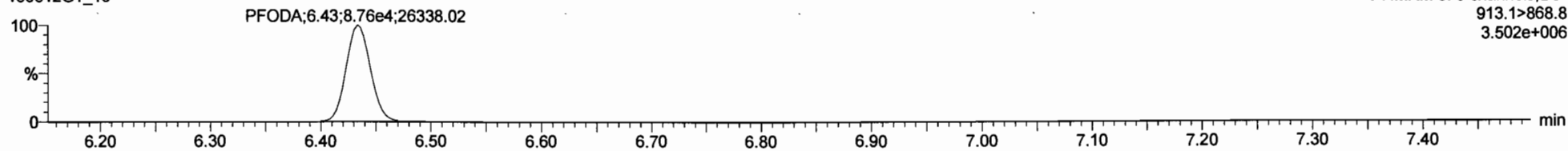
Last Altered:    Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed:         Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

**PFODA**

150512G1\_16

F7:MRM of 3 channels,ES-  
913.1>868.8  
3.502e+006





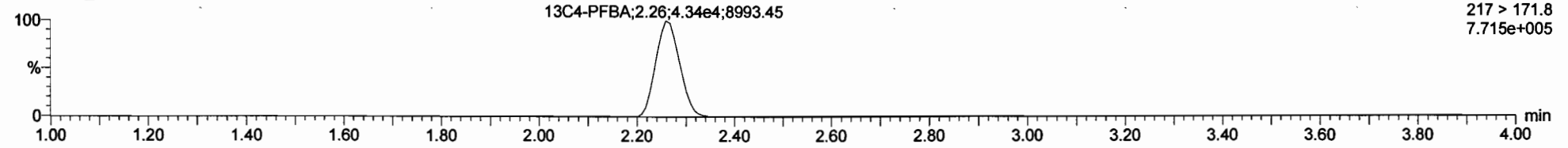
Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

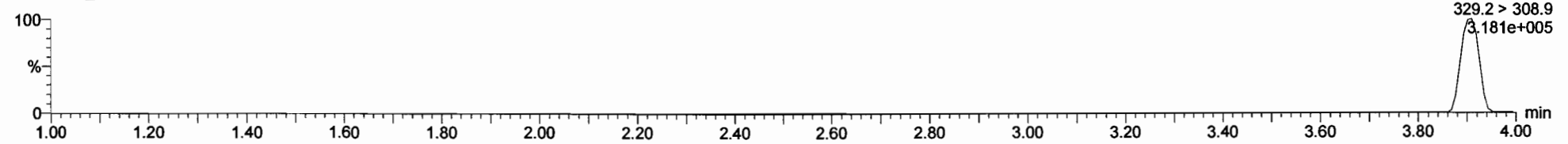
**13C4-PFBA**

150512G1\_16



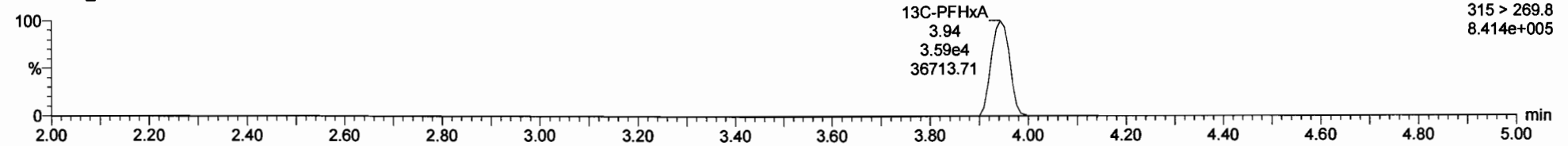
**13C2-4:2 FTS**

150512G1\_16



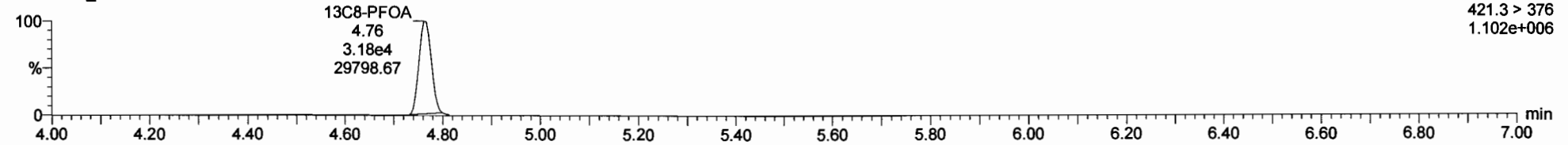
**13C-PFHxA**

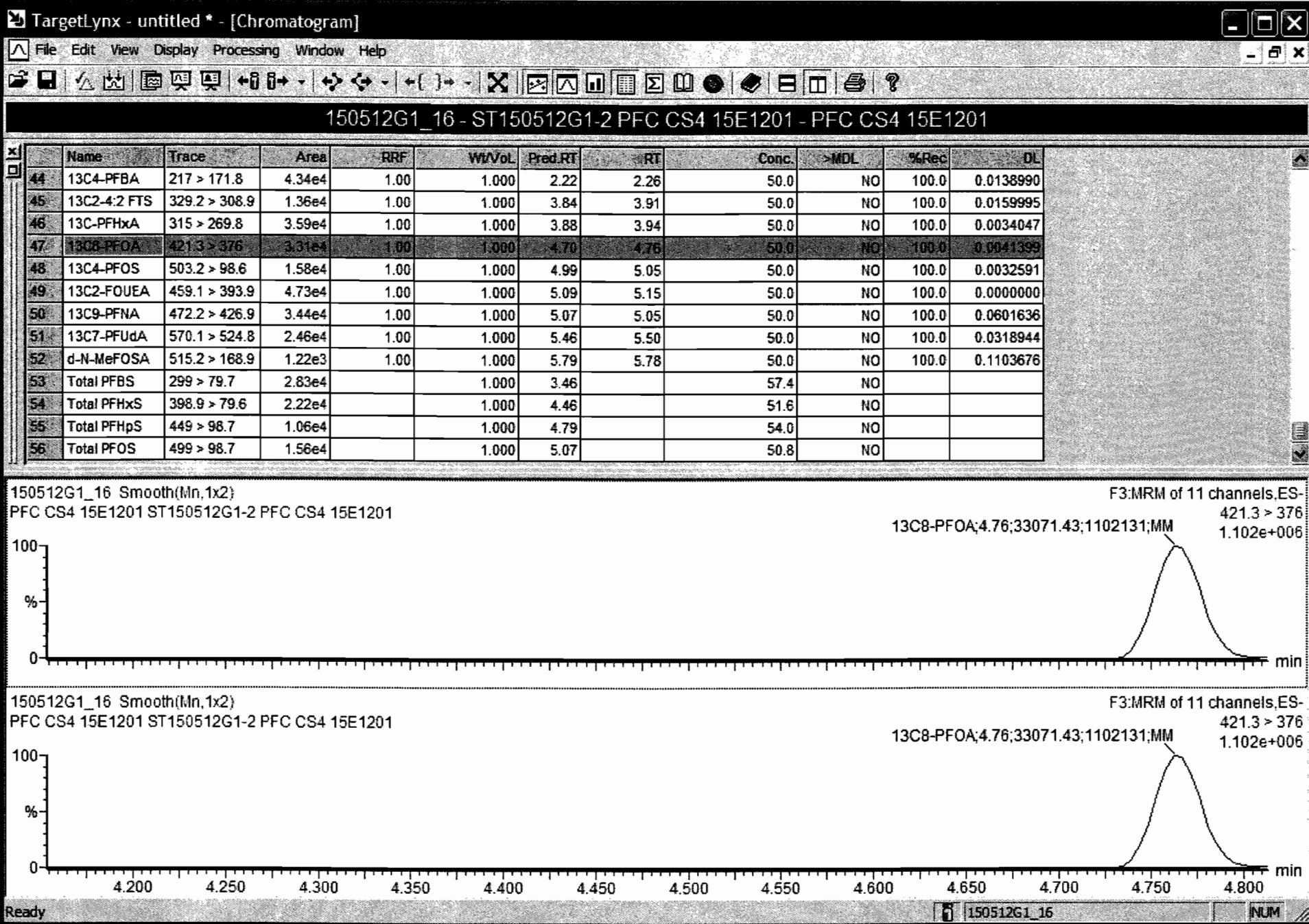
150512G1\_16



**13C8-PFOA**

150512G1\_16





Dataset: Untitled

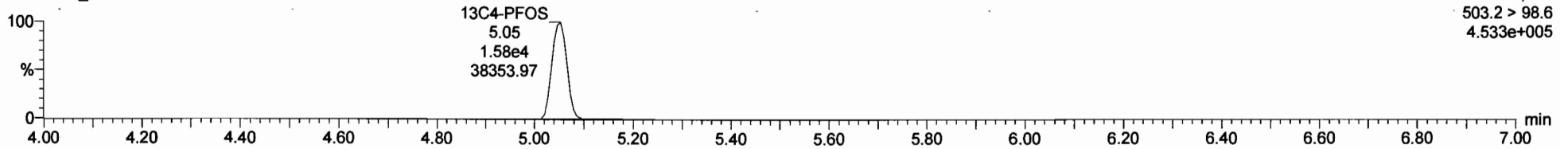
Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

**13C4-PFOS**

150512G1\_16

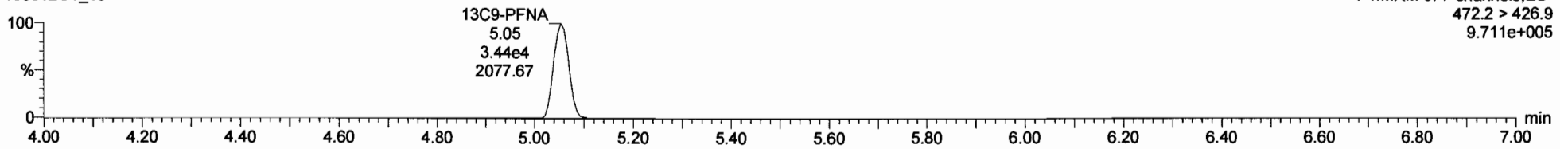
F4:MRM of 7 channels,ES-  
503.2 > 98.6  
4.533e+005



**13C9-PFNA**

150512G1\_16

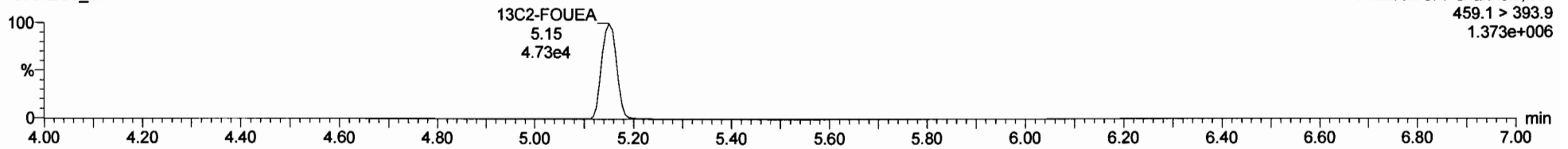
F4:MRM of 7 channels,ES-  
472.2 > 426.9  
9.711e+005



**13C2-FOUEA**

150512G1\_16

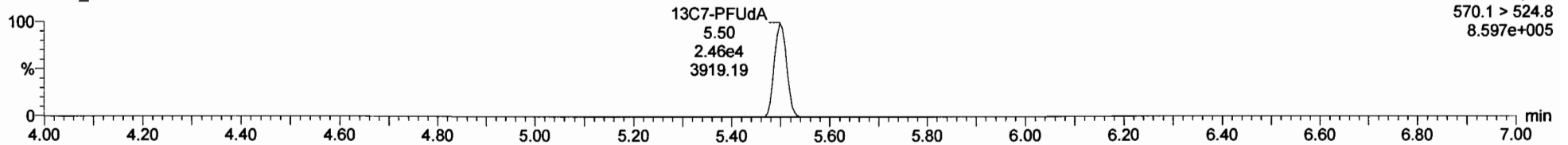
F4:MRM of 7 channels,ES-  
459.1 > 393.9  
1.373e+006



**13C7-PFUdA**

150512G1\_16

F5:MRM of 12 channels,ES-  
570.1 > 524.8  
8.597e+005



Dataset: Untitled

Last Altered: Wednesday, May 13, 2015 10:34:11 Pacific Daylight Time

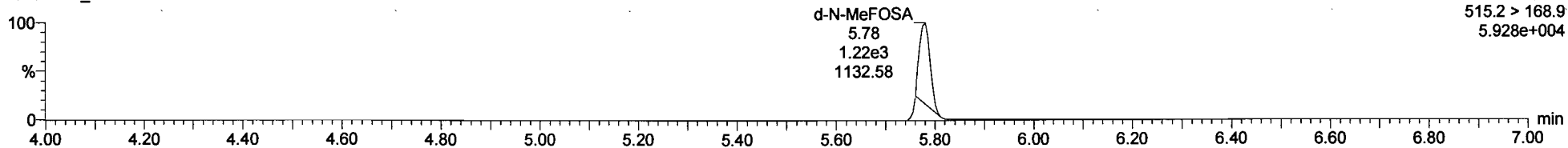
Printed: Wednesday, May 13, 2015 10:34:17 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

d-N-MeFOSA

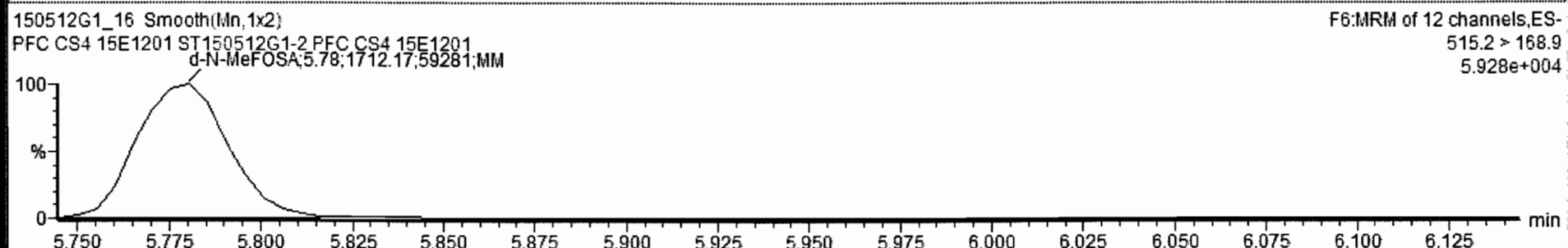
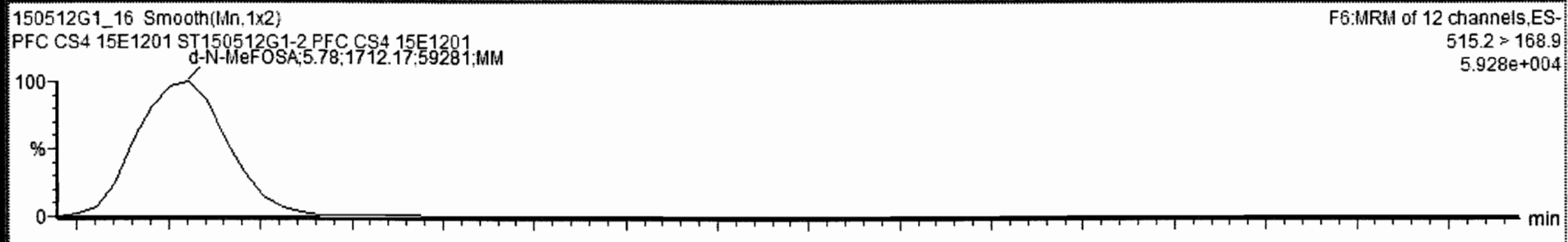
150512G1\_16

F6:MRM of 12 channels, ES-  
515.2 > 168.9  
5.928e+004



150512G1\_16 - ST150512G1-2 PFC CS4 15E1201 - PFC CS4 15E1201

	Name	Trace	Area	RRF	Wt/Vol	Pred.RT	RT	Conc.	>MDL	%Rec	DL
44	13C4-PFBA	217 > 171.8	4.34e4	1.00	1.000	2.22	2.26	50.0	NO	100.0	0.0138990
45	13C2-4:2 FTS	329.2 > 308.9	1.36e4	1.00	1.000	3.84	3.91	50.0	NO	100.0	0.0159995
46	13C-PFHxA	315 > 269.8	3.59e4	1.00	1.000	3.88	3.94	50.0	NO	100.0	0.0034047
47	13C8-PFOA	421.3 > 376	3.31e4	1.00	1.000	4.70	4.76	50.0	NO	100.0	0.0041399
48	13C4-PFOS	503.2 > 98.6	1.58e4	1.00	1.000	4.99	5.05	50.0	NO	100.0	0.0032591
49	13C2-FOUEA	459.1 > 393.9	4.73e4	1.00	1.000	5.09	5.15	50.0	NO	100.0	0.0000000
50	13C9-PFNA	472.2 > 426.9	3.44e4	1.00	1.000	5.07	5.05	50.0	NO	100.0	0.0601636
51	13C7-PFUDa	570.1 > 524.8	2.46e4	1.00	1.000	5.46	5.50	50.0	NO	100.0	0.0318944
52	d-N-MeFOSA	515.2 > 168.9	1.71e3	1.00	1.000	5.79	5.78	50.0	NO	100.0	0.0925746
53	Total PFBS	299 > 79.7	2.83e4		1.000	3.46		57.4	NO		
54	Total PFHxS	398.9 > 79.6	2.22e4		1.000	4.46		51.6	NO		
55	Total PFHpS	449 > 98.7	1.06e4		1.000	4.79		54.0	NO		
56	Total PFOS	499 > 98.7	1.56e4		1.000	5.07		50.8	NO		



## **INITIAL CALIBRATION**

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
 Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

Method: Untitled 11 May 2015 13:08:22 *PFAS - Longlist QUAD2*  
 Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Compound name: PFBA  
 Coefficient of Determination:  $R^2 = 0.999550$   
 Calibration curve:  $5.65713e-005 * x^2 + 0.27087 * x$   
 Response type: Internal Std ( Ref 26 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	2.30	1.49e2	3.90e4	0.702	0.9996
2	2 150508G1_2	1.00	2.28	2.66e2	4.03e4	1.22	0.9996
3	3 150508G1_3	2.00	2.28	4.69e2	4.28e4	2.03	0.9996
4	4 150508G1_4	5.00	2.28	1.01e3	4.01e4	4.65	0.9996
5	5 150508G1_5	10.0	2.28	2.57e3	4.07e4	11.6	0.9996
6	6 150508G1_6	50.0	2.28	1.16e4	4.52e4	46.9	0.9996
7	7 150508G1_7	100	2.28	2.03e4	3.60e4	102	0.9996
8	8 150508G1_8	200	2.26	4.16e4	3.69e4	200	0.9996

*AC 5/11/15*

*Reviewed 5/11/15  
 RR*

Compound name: PFPeA  
 Coefficient of Determination:  $R^2 = 0.999650$   
 Calibration curve:  $0.00027275 * x^2 + 0.846594 * x$   
 Response type: Internal Std ( Ref 27 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	3.32	5.22e2	4.03e4	0.765	0.9997
2	2 150508G1_2	1.00	3.30	8.23e2	3.94e4	1.23	0.9997
3	3 150508G1_3	2.00	3.30	1.43e3	4.21e4	2.01	0.9997
4	4 150508G1_4	5.00	3.29	3.23e3	3.68e4	5.16	0.9997
5	5 150508G1_5	10.0	3.29	7.07e3	3.70e4	11.3	0.9997
6	6 150508G1_6	50.0	3.29	3.35e4	3.71e4	52.6	0.9997
7	7 150508G1_7	100	3.29	5.30e4	3.10e4	97.9	0.9997
8	8 150508G1_8	200	3.29	9.70e4	2.69e4	200	0.9997

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
 Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

**Compound name: PFBS**

Coefficient of Determination:  $R^2 = 0.998263$   
 Calibration curve:  $0.00120471 * x^2 + 1.47667 * x$   
 Response type: Internal Std ( Ref 29 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	3.48	3.80e2	1.71e4	0.752	0.9983
2	2 150508G1_2	1.00	3.45	4.73e2	1.70e4	0.939	0.9983
3	3 150508G1_3	2.00	3.45	1.23e3	1.75e4	2.37	0.9983
4	4 150508G1_4	5.00	3.45	2.58e3	1.61e4	5.40	0.9983
5	5 150508G1_5	10.0	3.44	6.37e3	1.63e4	13.1	0.9983
6	6 150508G1_6	50.0	3.44	2.75e4	1.59e4	55.9	0.9983
7	7 150508G1_7	100	3.44	4.29e4	1.42e4	95.3	0.9983
8	8 150508G1_8	200	3.44	7.65e4	1.11e4	201	0.9983

**Compound name: PFHxA**

Coefficient of Determination:  $R^2 = 0.999469$   
 Calibration curve:  $0.00035657 * x^2 + 1.21033 * x$   
 Response type: Internal Std ( Ref 28 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	3.98	6.94e2	3.30e4	0.869	0.9995
2	2 150508G1_2	1.00	3.95	1.04e3	3.91e4	1.10	0.9995
3	3 150508G1_3	2.00	3.95	1.75e3	3.95e4	1.84	0.9995
4	4 150508G1_4	5.00	3.95	3.78e3	3.54e4	4.41	0.9995
5	5 150508G1_5	10.0	3.95	8.59e3	3.49e4	10.1	0.9995
6	6 150508G1_6	50.0	3.95	3.57e4	3.12e4	46.5	0.9995
7	7 150508G1_7	100	3.95	6.04e4	2.36e4	103	0.9995
8	8 150508G1_8	200	3.94	1.01e5	1.96e4	200	0.9995



Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

**Compound name: PFHpA**Coefficient of Determination:  $R^2 = 0.999825$ Calibration curve:  $-5.59448e-006 * x^2 + 1.27986 * x$ 

Response type: Internal Std ( Ref 28 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	4.44	4.70e2	3.30e4	0.556	0.9998
2	2 150508G1_2	1.00	4.42	1.02e3	3.91e4	1.02	0.9998
3	3 150508G1_3	2.00	4.42	1.80e3	3.95e4	1.78	0.9998
4	4 150508G1_4	5.00	4.41	4.25e3	3.54e4	4.69	0.9998
5	5 150508G1_5	10.0	4.41	9.49e3	3.49e4	10.6	0.9998
6	6 150508G1_6	50.0	4.41	3.84e4	3.12e4	48.1	0.9998
7	7 150508G1_7	100	4.41	6.13e4	2.36e4	101	0.9998
8	8 150508G1_8	200	4.41	1.00e5	1.96e4	200	0.9998

**Compound name: PFHxS**Coefficient of Determination:  $R^2 = 0.999768$ Calibration curve:  $0.000684891 * x^2 + 1.31306 * x$ 

Response type: Internal Std ( Ref 29 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	4.46	3.42e2	1.71e4	0.761	0.9998
2	2 150508G1_2	1.00	4.45	5.72e2	1.70e4	1.28	0.9998
3	3 150508G1_3	2.00	4.44	9.66e2	1.75e4	2.11	0.9998
4	4 150508G1_4	5.00	4.44	2.17e3	1.61e4	5.12	0.9998
5	5 150508G1_5	10.0	4.44	5.06e3	1.63e4	11.8	0.9998
6	6 150508G1_6	50.0	4.44	2.22e4	1.59e4	51.8	0.9998
7	7 150508G1_7	100	4.44	3.85e4	1.42e4	98.4	0.9998
8	8 150508G1_8	200	4.44	6.44e4	1.11e4	200	0.9998

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

**Compound name: 6:2 FTS**

Coefficient of Determination: R^2 = 0.999008

Calibration curve:  $-0.00041331 * x^2 + 0.493707 * x$

Response type: Internal Std ( Ref 30 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	4.78	9.16e1	1.52e4	0.612	0.9990
2	2 150508G1_2	1.00	4.77	1.11e2	1.05e4	1.08	0.9990
3	3 150508G1_3	2.00	4.77	2.12e2	1.14e4	1.89	0.9990
4	4 150508G1_4	5.00	4.77	5.39e2	1.10e4	4.96	0.9990
5	5 150508G1_5	10.0	4.76	1.15e3	1.08e4	10.9	0.9990
6	6 150508G1_6	50.0	4.76	4.78e3	1.10e4	45.6	0.9990
7	7 150508G1_7	100	4.76	8.32e3	8.92e3	103	0.9990
8	8 150508G1_8	200	4.76	1.41e4	8.62e3	199	0.9990

**Compound name: PFOA**

Coefficient of Determination: R^2 = 0.999872

Calibration curve:  $-0.000103446 * x^2 + 0.950371 * x$

Response type: Internal Std ( Ref 31 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	4.79	5.74e2	4.02e4	0.752	0.9999
2	2 150508G1_2	1.00	4.77	8.60e2	4.49e4	1.01	0.9999
3	3 150508G1_3	2.00	4.77	1.60e3	4.42e4	1.90	0.9999
4	4 150508G1_4	5.00	4.77	3.56e3	3.93e4	4.76	0.9999
5	5 150508G1_5	10.0	4.77	8.25e3	3.94e4	11.0	0.9999
6	6 150508G1_6	50.0	4.77	3.33e4	3.64e4	48.5	0.9999
7	7 150508G1_7	100	4.77	5.33e4	2.81e4	101	0.9999
8	8 150508G1_8	200	4.77	8.87e4	2.39e4	200	0.9999

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: PFHpS**

Coefficient of Determination:  $R^2 = 0.998871$   
 Calibration curve:  $0.000328508 * x^2 + 0.601622 * x$   
 Response type: Internal Std ( Ref 29 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	4.79	1.03e2	1.71e4	0.503	0.9989
2	2 150508G1_2	1.00	4.78	1.66e2	1.70e4	0.811	0.9989
3	3 150508G1_3	2.00	4.78	4.40e2	1.75e4	2.09	0.9989
4	4 150508G1_4	5.00	4.78	9.78e2	1.61e4	5.03	0.9989
5	5 150508G1_5	10.0	4.78	2.30e3	1.63e4	11.7	0.9989
6	6 150508G1_6	50.0	4.78	1.08e4	1.59e4	54.9	0.9989
7	7 150508G1_7	100	4.78	1.72e4	1.42e4	96.2	0.9989
8	8 150508G1_8	200	4.78	2.97e4	1.11e4	201	0.9989

**Compound name: PFOS**

Coefficient of Determination:  $R^2 = 0.999903$   
 Calibration curve:  $0.000368843 * x^2 + 1.04217 * x$   
 Response type: Internal Std ( Ref 32 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.07	9.58e1	1.18e4	0.390	0.9999
2	2 150508G1_2	1.00	5.06	2.11e2	1.13e4	0.901	0.9999
3	3 150508G1_3	2.00	5.05	4.74e2	1.23e4	1.84	0.9999
4	4 150508G1_4	5.00	5.05	1.12e3	1.15e4	4.69	0.9999
5	5 150508G1_5	10.0	5.05	2.76e3	1.21e4	11.0	0.9999
6	6 150508G1_6	50.0	5.05	1.52e4	1.48e4	48.6	0.9999
7	7 150508G1_7	100	5.05	2.51e4	1.15e4	101	0.9999
8	8 150508G1_8	200	5.05	4.92e4	1.10e4	200	0.9999

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: PFNA**

Coefficient of Determination:  $R^2 = 0.999547$

Calibration curve:  $0.000330257 * x^2 + 0.909529 * x$

Response type: Internal Std ( Ref 33 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.08	3.64e2	2.82e4	0.708	0.9995
2	2 150508G1_2	1.00	5.06	6.19e2	2.92e4	1.17	0.9995
3	3 150508G1_3	2.00	5.06	1.10e3	2.99e4	2.02	0.9995
4	4 150508G1_4	5.00	5.06	2.64e3	2.79e4	5.20	0.9995
5	5 150508G1_5	10.0	5.06	6.40e3	2.90e4	12.1	0.9995
6	6 150508G1_6	50.0	5.06	2.74e4	3.15e4	46.9	0.9995
7	7 150508G1_7	100	5.06	4.95e4	2.58e4	102	0.9995
8	8 150508G1_8	200	5.06	9.16e4	2.35e4	200	0.9995

**Compound name: PFDA**

Coefficient of Determination:  $R^2 = 0.999783$

Calibration curve:  $-0.000311293 * x^2 + 1.15525 * x$

Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.32	6.12e2	3.28e4	0.806	0.9998
2	2 150508G1_2	1.00	5.31	8.23e2	3.18e4	1.12	0.9998
3	3 150508G1_3	2.00	5.30	1.62e3	3.60e4	1.94	0.9998
4	4 150508G1_4	5.00	5.30	3.79e3	3.50e4	4.69	0.9998
5	5 150508G1_5	10.0	5.30	8.80e3	3.40e4	11.2	0.9998
6	6 150508G1_6	50.0	5.30	4.79e4	4.37e4	48.0	0.9998
7	7 150508G1_7	100	5.30	7.20e4	3.16e4	101	0.9998
8	8 150508G1_8	200	5.30	1.62e5	3.72e4	200	0.9998

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: 8:2 FTS**

Coefficient of Determination:  $R^2 = 0.999830$   
 Calibration curve:  $-0.000475814 * x^2 + 0.963198 * x$   
 Response type: Internal Std ( Ref 35 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

Ⓐ Excluded, IS not linear. AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.33	1.36e2	1.47e4	0.481	0.9998
2	2 150508G1_2	1.00	5.32	2.46e2	1.06e4	1.20	0.9998
3	3 150508G1_3	2.00	5.32	4.76e2	1.33e4	1.86	0.9998
4	4 150508G1_4	5.00	5.32	1.24e3	1.23e4	5.28	0.9998
5	5 150508G1_5	10.0	5.32	2.62e3	1.23e4	11.1	0.9998
6	6 150508G1_6	50.0	5.32	1.49e4	1.64e4	48.3	0.9998
7	7 150508G1_7	100	5.32	2.32e4	1.25e4	101	0.9998
8	8 150508G1_8	200	5.32	5.01e4	1.44e4	200	0.9998

**Compound name: FOSA**

Coefficient of Determination:  $R^2 = 0.999724$   
 Calibration curve:  $7.04969e-005 * x^2 + 0.568845 * x$   
 Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.42	1.04e2	1.67e4	0.547	0.9997
2	2 150508G1_2	1.00	5.41	9.53e1	1.09e4	0.767	0.9997
3	3 150508G1_3	2.00	5.40	3.05e2	1.29e4	2.08	0.9997
4	4 150508G1_4	5.00	5.40	6.54e2	1.28e4	4.48	0.9997
5	5 150508G1_5	10.0	5.40	1.46e3	1.13e4	11.4	0.9997
6	6 150508G1_6	50.0	5.40	1.41e4	2.49e4	49.6	0.9997
7	7 150508G1_7	100	5.40	1.90e4	1.65e4	100	0.9997
8	8 150508G1_8	200	5.40	1.05e5	4.48e4	200	0.9997

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: PFDS**

Coefficient of Determination: R^2 = 0.999927

Calibration curve: 0.00071702 \* x^2 + 0.0818658 \* x

Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc	Coeff. Of D...
1	1 150508G1_1	0.500	5.50	4.32e1	3.28e4	0.798	0.9999
2	2 150508G1_2	1.00	5.50	7.90e1	3.18e4	1.50	0.9999
3	3 150508G1_3	2.00	5.49	1.18e2	3.60e4	1.97	0.9999
4	4 150508G1_4	5.00	5.49	3.16e2	3.50e4	5.28	0.9999
5	5 150508G1_5	10.0	5.49	7.80e2	3.40e4	12.6	0.9999
6	6 150508G1_6	50.0	5.49	4.96e3	4.37e4	48.6	0.9999
7	7 150508G1_7	100	5.49	9.79e3	3.16e4	100	0.9999
8	8 150508G1_8	200	5.49	3.35e4	3.72e4	200	0.9999

**Compound name: PFUdA**

Coefficient of Determination: R^2 = 0.999874

Calibration curve: -8.50084e-005 \* x^2 + 1.02996 \* x

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc	Coeff. Of D...
1	1 150508G1_1	0.500	5.52	5.29e2	2.14e4	1.20	0.9999
2	2 150508G1_2	1.00	5.51	6.68e2	1.93e4	1.68	0.9999
3	3 150508G1_3	2.00	5.50	1.22e3	2.40e4	2.46	0.9999
4	4 150508G1_4	5.00	5.50	2.47e3	2.41e4	4.98	0.9999
5	5 150508G1_5	10.0	5.50	5.07e3	2.13e4	11.6	0.9999
6	6 150508G1_6	50.0	5.50	2.96e4	2.93e4	49.2	0.9999
7	7 150508G1_7	100	5.50	4.95e4	2.42e4	100	0.9999
8	8 150508G1_8	200	5.50	1.40e5	3.45e4	200	0.9999

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: PFDoA**

Coefficient of Determination:  $R^2 = 0.999831$   
 Calibration curve:  $0.000736243 * x^2 + 0.857671 * x$   
 Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

ⓐ COD outside method limits.  
 AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.69	2.14e2	1.68e4	0.741	0.9998
2	2 150508G1_2	1.00	5.68	2.03e2	1.14e4	1.04	0.9998
3	3 150508G1_3	2.00	5.68	5.42e2	1.59e4	1.99	0.9998
4	4 150508G1_4	5.00	5.68	1.29e3	1.37e4	5.47	0.9998
5	5 150508G1_5	10.0	5.68	2.77e3	1.37e4	11.7	0.9998
6	6 150508G1_6	50.0	5.68	1.49e4	1.61e4	51.4	0.9998
7	7 150508G1_7	100	5.68	3.09e4	1.68e4	98.7	0.9998
8	8 150508G1_8	200	5.68	1.73e5	4.31e4	200	0.9998

**Compound name: N-MeFOSA**

Coefficient of Determination:  $R^2 = 0.939196$  ⓐ  
 Calibration curve:  $0.00291862 * x^2 + -0.323442 * x$   
 Response type: Internal Std ( Ref 39 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	5.00	5.80	2.68e2	2.17e3	127	0.9392
2	2 150508G1_2	10.0	5.79	1.16e2	1.07e3	126	0.9392
3	3 150508G1_3	20.0	5.78	6.98e2	1.71e3	156	0.9392
4	4 150508G1_4	50.0	5.78	1.23e3	1.52e3	186	0.9392
5	5 150508G1_5	100	5.78	5.46e3	2.57e3	254	0.9392
6	6 150508G1_6	500	5.78	8.75e3	1.70e2	997	0.9392
7	7 150508G1_7	1000	5.78	2.29e4	1.08e3	661	0.9392
8	8 150508G1_8	2000	5.78	2.23e5	9.88e2	2020	0.9392

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Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: N-MeFOSE**

Coefficient of Determination: R<sup>2</sup> = 0.999662

Calibration curve: 0.000266129 \* x<sup>2</sup> + 0.682944 \* x

Response type: Internal Std ( Ref 39 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	5.00	5.81	2.18e2	2.17e3	7.35	0.9997
2	2 150508G1_2	10.0	5.80	1.70e2	1.07e3	11.6	0.9997
3	3 150508G1_3	20.0	5.79	6.80e2	1.71e3	28.7	0.9997
4	4 150508G1_4	50.0	5.79	1.29e3	1.52e3	60.7	0.9997
5	5 150508G1_5	100	5.79	5.61e3	2.57e3	151	0.9997
6	6 150508G1_6	500	5.79	1.39e3	1.70e2	503	0.9997
7	7 150508G1_7	1000	5.79	2.03e4	1.08e3	991	0.9997
8	8 150508G1_8	2000	5.80	4.81e4	9.88e2	2000	0.9997

**Compound name: PFTrDA**

Coefficient of Determination: R<sup>2</sup> = 0.995540

Calibration curve: 0.00680653 \* x<sup>2</sup> + -0.189616 \* x

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.85	3.36e2	2.14e4	31.5	0.9955
2	2 150508G1_2	1.00	5.84	2.87e2	1.93e4	31.3	0.9955
3	3 150508G1_3	2.00	5.84	7.22e2	2.40e4	34.3	0.9955
4	4 150508G1_4	5.00	5.84	1.44e3	2.41e4	39.1	0.9955
5	5 150508G1_5	10.0	5.84	5.06e3	2.13e4	58.0	0.9955
6	6 150508G1_6	50.0	5.84	4.85e3	2.93e4	51.5	0.9955
7	7 150508G1_7	100	5.84	2.20e4	2.42e4	96.9	0.9955
8	8 150508G1_8	200	5.84	1.62e5	3.45e4	200	0.9955



Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: N-EtFOSE**

Coefficient of Determination:  $R^2 = 0.999864$

Calibration curve:  $-5.91536e-005 * x^2 + 1.10198 * x$

Response type: Internal Std ( Ref 40 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	5.00	5.92	2.34e2	2.28e3	4.65	0.9999
2	2 150508G1_2	10.0	5.91	2.62e2	1.09e3	10.9	0.9999
3	3 150508G1_3	20.0	5.91	8.03e2	2.08e3	17.5	0.9999
4	4 150508G1_4	50.0	5.91	1.62e3	1.64e3	45.1	0.9999
5	5 150508G1_5	100	5.91	7.13e3	2.81e3	116	0.9999
6	6 150508G1_6	500	5.91	2.10e3	1.93e2	508	0.9999
7	7 150508G1_7	1000	5.91	2.47e4	1.20e3	991	0.9999
8	8 150508G1_8	2000	5.91	5.93e4	1.51e3	2000	0.9999

**Compound name: N-EtFOSA**

Coefficient of Determination:  $R^2 = 0.999060$

Calibration curve:  $-3.43571e-005 * x^2 + 1.0684 * x$

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	5.00	5.92	3.07e2	3.01e3	4.77	0.9991
2	2 150508G1_2	10.0	5.91	2.42e2	1.17e3	9.70	0.9991
3	3 150508G1_3	20.0	5.91	1.09e3	2.63e3	19.4	0.9991
4	4 150508G1_4	50.0	5.91	1.94e3	1.75e3	52.0	0.9991
5	5 150508G1_5	100	5.90	8.48e3	3.78e3	105	0.9991
6	6 150508G1_6	500	5.90	9.84e3	1.03e3	455	0.9991
7	7 150508G1_7	1000	5.90	3.58e4	1.68e3	1030	0.9991
8	8 150508G1_8	2000	5.90	2.90e5	7.26e3	1990	0.9991

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: PFTeDA**

Coefficient of Determination:  $R^2 = 0.999613$

Calibration curve:  $0.000418872 * x^2 + 0.88467 * x$

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.99	9.65e2	4.87e4	1.12	0.9996
2	2 150508G1_2	1.00	5.98	8.92e2	3.01e4	1.68	0.9996
3	3 150508G1_3	2.00	5.98	1.44e3	3.13e4	2.60	0.9996
4	4 150508G1_4	5.00	5.98	2.83e3	2.62e4	6.08	0.9996
5	5 150508G1_5	10.0	5.97	7.99e3	3.56e4	12.6	0.9996
6	6 150508G1_6	50.0	5.97	3.97e3	4.60e3	47.7	0.9996
7	7 150508G1_7	100	5.97	3.70e4	1.98e4	101	0.9996
8	8 150508G1_8	200	5.97	1.11e5	2.85e4	200	0.9996

**Compound name: PFHxDA**

Coefficient of Determination:  $R^2 = 0.999107$

Calibration curve:  $-0.000284561 * x^2 + 0.926696 * x$

Response type: Internal Std ( Ref 43 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	6.22	4.19e3	8.05e4	2.81	0.9991
2	2 150508G1_2	1.00	6.21	3.05e3	5.48e4	3.01	0.9991
3	3 150508G1_3	2.00	6.21	4.29e3	5.83e4	3.97	0.9991
4	4 150508G1_4	5.00	6.21	6.47e3	5.08e4	6.89	0.9991
5	5 150508G1_5	10.0	6.21	1.38e4	5.65e4	13.2	0.9991
6	6 150508G1_6	50.0	6.21	3.02e4	3.33e4	49.8	0.9991
7	7 150508G1_7	100	6.20	8.31e4	4.66e4	99.2	0.9991
8	8 150508G1_8	200	6.20	6.27e4	1.80e4	200	0.9991

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: PFODA**

Coefficient of Determination:  $R^2 = 0.979018$

Calibration curve:  $0.00392936 * x^2 + 1.36541 * x$

Response type: Internal Std ( Ref 43 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS-Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	6.46	1.30e3	8.05e4	0.591	0.9790
2	2 150508G1_2	1.00	6.44	1.40e3	5.48e4	0.930	0.9790
3	3 150508G1_3	2.00	6.44	2.96e3	5.83e4	1.85	0.9790
4	4 150508G1_4	5.00	6.44	6.46e3	5.08e4	4.59	0.9790
5	5 150508G1_5	10.0	6.44	1.75e4	5.65e4	11.0	0.9790
6	6 150508G1_6	50.0	6.44	8.25e4	3.33e4	74.8	0.9790
7	7 150508G1_7	100	6.44	1.32e5	4.66e4	83.4	0.9790
8	8 150508G1_8	200	6.44	1.57e5	1.80e4	202	0.9790

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

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Method: Untitled 11 May 2015 13:08:22

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Compound name: 13C3-PFBA

Response Factor: 1.03917

RRF SD: 0.031068, Relative SD: 2.98971

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	2.30	3.90e4	3.93e4	47.8	0.993
2	2 150508G1_2	50.0	2.28	4.03e4	3.92e4	49.5	1.03
3	3 150508G1_3	50.0	2.28	4.28e4	4.16e4	49.5	1.03
4	4 150508G1_4	50.0	2.28	4.01e4	3.76e4	51.4	1.07
5	5 150508G1_5	50.0	2.28	4.07e4	3.79e4	51.7	1.07
6	6 150508G1_6	50.0	2.27	4.52e4	4.51e4	48.2	1.00
7	7 150508G1_7	50.0	2.27	3.60e4	3.37e4	51.3	1.07
8	8 150508G1_8	50.0	2.26	3.69e4	3.51e4	50.7	1.05

Compound name: 13C3-PFPeA

Response Factor: 0.975838

RRF SD: 0.0466711, Relative SD: 4.78267

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	3.32	4.03e4	4.02e4	51.5	1.00
2	2 150508G1_2	50.0	3.30	3.94e4	4.08e4	49.5	0.965
3	3 150508G1_3	50.0	3.29	4.21e4	4.24e4	50.8	0.992
4	4 150508G1_4	50.0	3.29	3.68e4	3.96e4	47.7	0.931
5	5 150508G1_5	50.0	3.29	3.70e4	3.90e4	48.5	0.947
6	6 150508G1_6	50.0	3.29	3.71e4	4.07e4	46.7	0.911
7	7 150508G1_7	50.0	3.29	3.10e4	3.11e4	51.2	0.998
8	8 150508G1_8	50.0	3.28	2.69e4	2.54e4	54.2	1.06

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C4-PFHpA**

Response Factor: 0.849971

RRF SD: 0.0785916, Relative SD: 9.24638

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.43	3.30e4	4.02e4	48.3	0.822
2	2 150508G1_2	50.0	4.42	3.91e4	4.08e4	56.3	0.958
3	3 150508G1_3	50.0	4.41	3.95e4	4.24e4	54.7	0.930
4	4 150508G1_4	50.0	4.41	3.54e4	3.96e4	52.6	0.895
5	5 150508G1_5	50.0	4.41	3.49e4	3.90e4	52.6	0.894
6	6 150508G1_6	50.0	4.41	3.12e4	4.07e4	45.2	0.768
7	7 150508G1_7	50.0	4.41	2.36e4	3.11e4	44.7	0.760
8	8 150508G1_8	50.0	4.41	1.96e4	2.54e4	45.5	0.773

**Compound name: 18O2-PFHxS**

Response Factor: 0.42031

RRF SD: 0.0193569, Relative SD: 4.6054

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.46	1.71e4	4.02e4	50.7	0.426
2	2 150508G1_2	50.0	4.45	1.70e4	4.08e4	49.6	0.417
3	3 150508G1_3	50.0	4.44	1.75e4	4.24e4	48.9	0.411
4	4 150508G1_4	50.0	4.44	1.61e4	3.96e4	48.5	0.408
5	5 150508G1_5	50.0	4.44	1.63e4	3.90e4	49.6	0.417
6	6 150508G1_6	50.0	4.44	1.59e4	4.07e4	46.6	0.392
7	7 150508G1_7	50.0	4.44	1.42e4	3.11e4	54.2	0.456
8	8 150508G1_8	50.0	4.44	1.11e4	2.54e4	51.9	0.437

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

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**Compound name: 13C2-6:2 FTS**

Response Factor: 0.738727

RRF SD: 0.0408691, Relative SD: 5.53237

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.78	1.52e4	2.16e4	47.5	0.702
2	2 150508G1_2	50.0	4.77	1.05e4	1.39e4	50.9	0.753
3	3 150508G1_3	50.0	4.77	1.14e4	1.57e4	49.0	0.725
4	4 150508G1_4	50.0	4.77	1.10e4	1.40e4	53.5	0.791
5	5 150508G1_5	50.0	4.76	1.08e4	1.34e4	54.4	0.804
6	6 150508G1_6	50.0	4.76	1.10e4	1.55e4	48.1	0.711
7	7 150508G1_7	50.0	4.76	8.92e3	1.29e4	46.9	0.693
8	8 150508G1_8	50.0	4.76	8.62e3	1.18e4	49.5	0.731

**Compound name: 13C2-PFOA**

Response Factor: 1.15963

RRF SD: 0.058011, Relative SD: 5.00254

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.79	4.02e4	3.45e4	50.2	1.16
2	2 150508G1_2	50.0	4.77	4.49e4	3.62e4	53.4	1.24
3	3 150508G1_3	50.0	4.77	4.42e4	3.71e4	51.4	1.19
4	4 150508G1_4	50.0	4.77	3.93e4	3.33e4	51.0	1.18
5	5 150508G1_5	50.0	4.77	3.94e4	3.28e4	51.8	1.20
6	6 150508G1_6	50.0	4.77	3.64e4	3.45e4	45.4	1.05
7	7 150508G1_7	50.0	4.77	2.81e4	2.50e4	48.4	1.12
8	8 150508G1_8	50.0	4.77	2.39e4	2.13e4	48.4	1.12

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
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**Compound name: 13C8-PFOS**

Response Factor: 0.939383

RRF SD: 0.0454519, Relative SD: 4.83849

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.07	1.18e4	1.21e4	51.9	0.975
2	2 150508G1_2	50.0	5.05	1.13e4	1.20e4	49.8	0.935
3	3 150508G1_3	50.0	5.05	1.23e4	1.32e4	49.6	0.931
4	4 150508G1_4	50.0	5.05	1.15e4	1.21e4	50.7	0.953
5	5 150508G1_5	50.0	5.05	1.21e4	1.20e4	53.4	1.00
6	6 150508G1_6	50.0	5.05	1.48e4	1.74e4	45.1	0.847
7	7 150508G1_7	50.0	5.05	1.15e4	1.22e4	50.4	0.947
8	8 150508G1_8	50.0	5.05	1.10e4	1.20e4	49.1	0.923

**Compound name: 13C5-PFNA**

Response Factor: 0.914519

RRF SD: 0.0398454, Relative SD: 4.35698

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.07	2.82e4	2.96e4	52.1	0.953
2	2 150508G1_2	50.0	5.06	2.92e4	3.04e4	52.5	0.960
3	3 150508G1_3	50.0	5.06	2.99e4	3.29e4	49.7	0.910
4	4 150508G1_4	50.0	5.06	2.79e4	2.96e4	51.5	0.941
5	5 150508G1_5	50.0	5.06	2.90e4	3.14e4	50.4	0.922
6	6 150508G1_6	50.0	5.06	3.15e4	3.76e4	45.8	0.838
7	7 150508G1_7	50.0	5.06	2.58e4	2.84e4	49.6	0.907
8	8 150508G1_8	50.0	5.06	2.35e4	2.66e4	48.4	0.885

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: 13C2-PFDA**

Response Factor: 1.14857

RRF SD: 0.110012, Relative SD: 9.57822

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.32	3.28e4	2.96e4	48.3	1.11
2	2 150508G1_2	50.0	5.31	3.18e4	3.04e4	45.6	1.05
3	3 150508G1_3	50.0	5.31	3.60e4	3.29e4	47.6	1.09
4	4 150508G1_4	50.0	5.30	3.50e4	2.96e4	51.4	1.18
5	5 150508G1_5	50.0	5.30	3.40e4	3.14e4	47.1	1.08
6	6 150508G1_6	50.0	5.30	4.37e4	3.76e4	50.7	1.16
7	7 150508G1_7	50.0	5.30	3.16e4	2.84e4	48.4	1.11
8	8 150508G1_8	50.0	5.30	3.72e4	2.66e4	60.9	1.40

**Compound name: 13C2-8:2 FTS**

Response Factor: 0.917614

RRF SD: 0.170212, Relative SD: 18.5494

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.33	1.47e4	2.16e4	37.1	0.681
2	2 150508G1_2	50.0	5.32	1.06e4	1.39e4	41.6	0.764
3	3 150508G1_3	50.0	5.32	1.33e4	1.57e4	46.2	0.847
4	4 150508G1_4	50.0	5.32	1.23e4	1.40e4	47.8	0.878
5	5 150508G1_5	50.0	5.32	1.23e4	1.34e4	50.0	0.917
6	6 150508G1_6	50.0	5.32	1.64e4	1.55e4	57.6	1.06
7	7 150508G1_7	50.0	5.32	1.25e4	1.29e4	53.0	0.972
8	8 150508G1_8	50.0	5.32	1.44e4	1.18e4	66.7	1.22



Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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Compound name: 13C8-FOSA  
 Response Factor: 0.728043  
 RRF SD: 0.131802, Relative SD: 18.1037  
 Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

Excluded, not linear.  
 AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.42	1.67e4	1.79e4	64.1	0.933
2	2 150508G1_2	50.0	5.41	1.09e4	1.64e4	45.6	0.664
3	3 150508G1_3	50.0	5.40	1.29e4	2.10e4	42.0	0.612
4	4 150508G1_4	50.0	5.40	1.28e4	2.02e4	43.7	0.636
5	5 150508G1_5	50.0	5.40	1.13e4	1.88e4	41.2	0.600
6	6 150508G1_6	50.0	5.40	2.49e4	2.96e4	57.7	0.841
7	7 150508G1_7	50.0	5.40	1.65e4	2.03e4	55.7	0.811
8	8 150508G1_8	50.0	5.40	4.48e4	2.96e4	104	1.51

Compound name: 13C2-PFUdA  
 Response Factor: 1.14796  
 RRF SD: 0.0682511, Relative SD: 5.94544  
 Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.52	2.14e4	1.79e4	52.1	1.20
2	2 150508G1_2	50.0	5.51	1.93e4	1.64e4	51.1	1.17
3	3 150508G1_3	50.0	5.50	2.40e4	2.10e4	49.8	1.14
4	4 150508G1_4	50.0	5.50	2.41e4	2.02e4	52.0	1.19
5	5 150508G1_5	50.0	5.50	2.13e4	1.88e4	49.4	1.13
6	6 150508G1_6	50.0	5.50	2.93e4	2.96e4	43.1	0.989
7	7 150508G1_7	50.0	5.50	2.42e4	2.03e4	51.8	1.19
8	8 150508G1_8	50.0	5.50	3.45e4	2.96e4	50.8	1.17

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
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Compound name: 13C2-PFDoA  
Response Factor: 0.827404  
RRF SD: 0.2789, Relative SD: 33.7078  
Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

Ⓐ RSD outside  
method limits.  
AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.70	1.68e4	1.79e4	56.8	0.941
2	2 150508G1_2	50.0	5.68	1.14e4	1.64e4	41.8	0.691
3	3 150508G1_3	50.0	5.68	1.59e4	2.10e4	45.6	0.755
4	4 150508G1_4	50.0	5.68	1.37e4	2.02e4	40.9	0.677
5	5 150508G1_5	50.0	5.68	1.37e4	1.88e4	44.0	0.728
6	6 150508G1_6	50.0	5.68	1.61e4	2.96e4	32.9	0.544
7	7 150508G1_7	50.0	5.68	1.68e4	2.03e4	50.0	0.827
8	8 150508G1_8	50.0	5.67	4.31e4	2.96e4	88.0	1.46

Compound name: d7-N-MeFOSE  
Response Factor: 0.597018  
RRF SD: 0.309698, Relative SD: 51.8742 Ⓐ  
Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.80	2.17e3	3.12e3	58.2	0.695
2	2 150508G1_2	50.0	5.79	1.07e3	1.09e3	82.6	0.986
3	3 150508G1_3	50.0	5.79	1.71e3	2.74e3	52.5	0.626
4	4 150508G1_4	50.0	5.79	1.52e3	1.96e3	65.0	0.776
5	5 150508G1_5	50.0	5.79	2.57e3	3.32e3	64.8	0.774
6	6 150508G1_6	50.0	5.79	1.70e2	1.30e3	10.9	0.130
7	7 150508G1_7	50.0	5.79	1.08e3	1.63e3	55.6	0.664
8	8 150508G1_8	50.0	5.79	9.88e2	7.95e3	10.4	0.124

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: d9-N-EtFOSE**

Response Factor: 0.656249

RRF SD: 0.313488, Relative SD: 47.7697 A

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

A RSD outside method limits. AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.91	2.28e3	3.12e3	55.7	0.732
2	2 150508G1_2	50.0	5.90	1.09e3	1.09e3	76.4	1.00
3	3 150508G1_3	50.0	5.90	2.08e3	2.74e3	57.9	0.760
4	4 150508G1_4	50.0	5.90	1.64e3	1.96e3	63.8	0.838
5	5 150508G1_5	50.0	5.90	2.81e3	3.32e3	64.5	0.847
6	6 150508G1_6	50.0	5.90	1.93e2	1.30e3	11.3	0.148
7	7 150508G1_7	50.0	5.90	1.20e3	1.63e3	55.9	0.734
8	8 150508G1_8	50.0	5.90	1.51e3	7.95e3	14.4	0.190

**Compound name: d5-N-EtFOSA**

Response Factor: 0.970495

RRF SD: 0.110608, Relative SD: 11.3971

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.91	3.01e3	3.12e3	49.8	0.966
2	2 150508G1_2	50.0	5.90	1.17e3	1.09e3	55.4	1.07
3	3 150508G1_3	50.0	5.90	2.63e3	2.74e3	49.5	0.961
4	4 150508G1_4	50.0	5.90	1.75e3	1.96e3	46.0	0.893
5	5 150508G1_5	50.0	5.90	3.78e3	3.32e3	58.7	1.14
6	6 150508G1_6	50.0	5.90	1.03e3	1.30e3	40.6	0.787
7	7 150508G1_7	50.0	5.90	1.68e3	1.63e3	53.0	1.03
8	8 150508G1_8	50.0	5.90	7.26e3	7.95e3	47.1	0.914

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: 13C2-PFTeDA**

Response Factor: 1.41518

RRF SD: 0.766009, Relative SD: 54.128 X

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

A RSD outside method  
limits. ACS/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.99	4.87e4	1.79e4	96.1	2.72
2	2 150508G1_2	50.0	5.98	3.01e4	1.64e4	64.6	1.83
3	3 150508G1_3	50.0	5.98	3.13e4	2.10e4	52.6	1.49
4	4 150508G1_4	50.0	5.97	2.62e4	2.02e4	45.9	1.30
5	5 150508G1_5	50.0	5.97	3.56e4	1.88e4	66.9	1.89
6	6 150508G1_6	50.0	5.97	4.60e3	2.96e4	5.48	0.155
7	7 150508G1_7	50.0	5.97	1.98e4	2.03e4	34.4	0.973
8	8 150508G1_8	50.0	5.97	2.85e4	2.96e4	34.1	0.964

**Compound name: 13C2-PFHxDA**

Response Factor: 2.51962

RRF SD: 1.2268, Relative SD: 48.6901 X

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	6.22	8.05e4	1.79e4	89.3	4.50
2	2 150508G1_2	50.0	6.21	5.48e4	1.64e4	66.2	3.33
3	3 150508G1_3	50.0	6.21	5.83e4	2.10e4	55.1	2.78
4	4 150508G1_4	50.0	6.21	5.08e4	2.02e4	50.0	2.52
5	5 150508G1_5	50.0	6.20	5.65e4	1.88e4	59.7	3.01
6	6 150508G1_6	50.0	6.20	3.33e4	2.96e4	22.3	1.12
7	7 150508G1_7	50.0	6.20	4.66e4	2.03e4	45.5	2.29
8	8 150508G1_8	50.0	6.20	1.80e4	2.96e4	12.1	0.608

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C4-PFBA**

Response Factor: 1

RRF SD: 9.3831e-017, Relative SD: 9.3831e-015

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	2.30	3.93e4	3.93e4	50.0	1.00
2	2 150508G1_2	50.0	2.28	3.92e4	3.92e4	50.0	1.00
3	3 150508G1_3	50.0	2.28	4.16e4	4.16e4	50.0	1.00
4	4 150508G1_4	50.0	2.28	3.76e4	3.76e4	50.0	1.00
5	5 150508G1_5	50.0	2.28	3.79e4	3.79e4	50.0	1.00
6	6 150508G1_6	50.0	2.27	4.51e4	4.51e4	50.0	1.00
7	7 150508G1_7	50.0	2.27	3.37e4	3.37e4	50.0	1.00
8	8 150508G1_8	50.0	2.25	3.51e4	3.51e4	50.0	1.00

**Compound name: 13C2-4:2 FTS**

Response Factor: 1

RRF SD: 1.32697e-016, Relative SD: 1.32697e-014

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	3.93	2.16e4	2.16e4	50.0	1.00
2	2 150508G1_2	50.0	3.92	1.39e4	1.39e4	50.0	1.00
3	3 150508G1_3	50.0	3.91	1.57e4	1.57e4	50.0	1.00
4	4 150508G1_4	50.0	3.91	1.40e4	1.40e4	50.0	1.00
5	5 150508G1_5	50.0	3.91	1.34e4	1.34e4	50.0	1.00
6	6 150508G1_6	50.0	3.91	1.55e4	1.55e4	50.0	1.00
7	7 150508G1_7	50.0	3.91	1.29e4	1.29e4	50.0	1.00
8	8 150508G1_8	50.0	3.91	1.18e4	1.18e4	50.0	1.00

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C-PFHxA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	3.97	4.02e4	4.02e4	50.0	1.00
2	2 150508G1_2	50.0	3.95	4.08e4	4.08e4	50.0	1.00
3	3 150508G1_3	50.0	3.95	4.24e4	4.24e4	50.0	1.00
4	4 150508G1_4	50.0	3.95	3.96e4	3.96e4	50.0	1.00
5	5 150508G1_5	50.0	3.94	3.90e4	3.90e4	50.0	1.00
6	6 150508G1_6	50.0	3.95	4.07e4	4.07e4	50.0	1.00
7	7 150508G1_7	50.0	3.95	3.11e4	3.11e4	50.0	1.00
8	8 150508G1_8	50.0	3.94	2.54e4	2.54e4	50.0	1.00

**Compound name: 13C8-PFOA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.79	3.45e4	3.45e4	50.0	1.00
2	2 150508G1_2	50.0	4.77	3.62e4	3.62e4	50.0	1.00
3	3 150508G1_3	50.0	4.77	3.71e4	3.71e4	50.0	1.00
4	4 150508G1_4	50.0	4.77	3.33e4	3.33e4	50.0	1.00
5	5 150508G1_5	50.0	4.77	3.28e4	3.28e4	50.0	1.00
6	6 150508G1_6	50.0	4.77	3.45e4	3.45e4	50.0	1.00
7	7 150508G1_7	50.0	4.77	2.50e4	2.50e4	50.0	1.00
8	8 150508G1_8	50.0	4.77	2.13e4	2.13e4	50.0	1.00

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C4-PFOS**

Response Factor: 1

RRF SD: 4.19625e-017, Relative SD: 4.19625e-015

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.07	1.21e4	1.21e4	50.0	1.00
2	2 150508G1_2	50.0	5.06	1.20e4	1.20e4	50.0	1.00
3	3 150508G1_3	50.0	5.05	1.32e4	1.32e4	50.0	1.00
4	4 150508G1_4	50.0	5.05	1.21e4	1.21e4	50.0	1.00
5	5 150508G1_5	50.0	5.05	1.20e4	1.20e4	50.0	1.00
6	6 150508G1_6	50.0	5.05	1.74e4	1.74e4	50.0	1.00
7	7 150508G1_7	50.0	5.05	1.22e4	1.22e4	50.0	1.00
8	8 150508G1_8	50.0	5.05	1.20e4	1.20e4	50.0	1.00

**Compound name: 13C2-FOUEA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 49 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.17	2.45e4	2.45e4	50.0	1.00
2	2 150508G1_2	50.0	5.16	3.18e4	3.18e4	50.0	1.00
3	3 150508G1_3	50.0	5.16	3.27e4	3.27e4	50.0	1.00
4	4 150508G1_4	50.0	5.15	2.99e4	2.99e4	50.0	1.00
5	5 150508G1_5	50.0	5.15	3.14e4	3.14e4	50.0	1.00
6	6 150508G1_6	50.0	5.15	4.56e4	4.56e4	50.0	1.00
7	7 150508G1_7	50.0	5.15	3.66e4	3.66e4	50.0	1.00
8	8 150508G1_8	50.0	5.15	4.23e4	4.23e4	50.0	1.00

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C9-PFNA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.07	2.96e4	2.96e4	50.0	1.00
2	2 150508G1_2	50.0	5.06	3.04e4	3.04e4	50.0	1.00
3	3 150508G1_3	50.0	5.06	3.29e4	3.29e4	50.0	1.00
4	4 150508G1_4	50.0	5.06	2.96e4	2.96e4	50.0	1.00
5	5 150508G1_5	50.0	5.05	3.14e4	3.14e4	50.0	1.00
6	6 150508G1_6	50.0	5.05	3.76e4	3.76e4	50.0	1.00
7	7 150508G1_7	50.0	5.05	2.84e4	2.84e4	50.0	1.00
8	8 150508G1_8	50.0	5.05	2.66e4	2.66e4	50.0	1.00

**Compound name: 13C7-PFUdA**

Response Factor: 1

RRF SD: 4.19625e-017, Relative SD: 4.19625e-015

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.52	1.79e4	1.79e4	50.0	1.00
2	2 150508G1_2	50.0	5.51	1.64e4	1.64e4	50.0	1.00
3	3 150508G1_3	50.0	5.50	2.10e4	2.10e4	50.0	1.00
4	4 150508G1_4	50.0	5.50	2.02e4	2.02e4	50.0	1.00
5	5 150508G1_5	50.0	5.50	1.88e4	1.88e4	50.0	1.00
6	6 150508G1_6	50.0	5.50	2.96e4	2.96e4	50.0	1.00
7	7 150508G1_7	50.0	5.50	2.03e4	2.03e4	50.0	1.00
8	8 150508G1_8	50.0	5.50	2.96e4	2.96e4	50.0	1.00



Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: d-N-MeFOSA**

Response Factor: 1

RRF SD: 1.18688e-016, Relative SD: 1.18688e-014

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc	RRF
1	1 150508G1_1	50.0	5.79	3.12e3	3.12e3	50.0	1.00
2	2 150508G1_2	50.0	5.78	1.09e3	1.09e3	50.0	1.00
3	3 150508G1_3	50.0	5.78	2.74e3	2.74e3	50.0	1.00
4	4 150508G1_4	50.0	5.78	1.96e3	1.96e3	50.0	1.00
5	5 150508G1_5	50.0	5.78	3.32e3	3.32e3	50.0	1.00
6	6 150508G1_6	50.0	5.78	1.30e3	1.30e3	50.0	1.00
7	7 150508G1_7	50.0	5.78	1.63e3	1.63e3	50.0	1.00
8	8 150508G1_8	50.0	5.78	7.95e3	7.95e3	50.0	1.00

Vista Analytical Laboratory VG-9

Dataset: Untitled

Last Altered: Monday, May 11, 2015 15:57:14 Pacific Daylight Time

Printed: Monday, May 11, 2015 15:57:33 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 11 May 2015 13:08:22

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	150508G1_1	ST150508G1-1 PFC CS-1 15E0809	08-May-15	15:45:33
2	150508G1_2	ST150508G1-2 PFC CS0 15E0810	08-May-15	15:58:17
3	150508G1_3	ST150508G1-3 PFC CS1 15E0811	08-May-15	16:10:59
4	150508G1_4	ST150508G1-4 PFC CS2 15E0812	08-May-15	16:23:40
5	150508G1_5	ST150508G1-5 PFC CS3 15E0813	08-May-15	16:36:21
6	150508G1_6	ST150508G1-6 PFC CS4 15E0807	08-May-15	16:49:03
7	150508G1_7	ST150508G1-7 PFC CS5 15E0814	08-May-15	17:01:44
8	150508G1_8	ST150508G1-8 PFC CS6 15E0815	08-May-15	17:14:26
9	150508G1_9	SS150508G1-1 PFC SSS 15D2417	08-May-15	17:27:08
10	150508G1_10	B5E0029-BS1 OPR 1	08-May-15	17:39:49
11	150508G1_11	B5E0030-BS1 OPR 0.125	08-May-15	17:52:30
12	150508G1_12	Methanol	08-May-15	18:05:11
13	150508G1_13	Methanol	08-May-15	18:17:53
14	150508G1_14	B5E0029-BLK1 Method Blank 1	08-May-15	18:30:34
15	150508G1_15	B5E0030-BLK1 Method Blank 0.125	08-May-15	18:43:16
16	150508G1_16	1500395-01RE2 Resin C1-R 0.0005	08-May-15	18:55:59
17	150508G1_17	1500395-04RE2 Resin C2-R 0.0005	08-May-15	19:08:40
18	150508G1_18	B5E0029-DUP1 Duplicate 1.03	08-May-15	19:21:21
19	150508G1_19	B5E0029-DUP2 Duplicate 1.02	08-May-15	19:34:03
20	150508G1_20	B5E0029-DUP3 Duplicate 1.02	08-May-15	19:46:41
21	150508G1_21	1400880-07RE3 BERGS-SO-018 1.06	08-May-15	19:59:24
22	150508G1_22	Methanol	08-May-15	20:12:05
23	150508G1_23	Methanol	08-May-15	20:24:47
24	150508G1_24	ST150508G1-9 PFC CS4 15E0807	08-May-15	20:37:29
25	150508G1_25	Methanol	08-May-15	20:50:09
26	150508G1_26	Methanol	08-May-15	21:02:52
27	150508G1_27	1500203-01RE3 MARCH-SO-018s 1.08	08-May-15	21:15:34
28	150508G1_28	1500209-05RE4 MCCLN-SD-007 1.13	08-May-15	21:28:15
29	150508G1_29	B5E0029-MS1 Matrix Spike 1.14	08-May-15	21:40:56
30	150508G1_30	B5E0029-MSD1 Matrix Spike Dup 1.13	08-May-15	21:53:39
31	150508G1_31	Methanol	08-May-15	22:06:21

Dataset: Untitled

Last Altered: Monday, May 11, 2015 15:57:14 Pacific Daylight Time  
Printed: Monday, May 11, 2015 15:57:33 Pacific Daylight Time

Compound name: PFBA

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32	150508G1_32	Methanol	08-May-15	22:19:03
33	150508G1_33	ST150508G1-10 PFC CS4 15E0807	08-May-15	22:31:45
34	150508G1_34	Methanol	08-May-15	22:44:25
35	150508G1_35	Methanol	08-May-15	22:57:07
36	150508G1_36	B5E0032-BS1 OPR 1	08-May-15	23:09:50
37	150508G1_37	B5E0032-BLK1 Method Blank 1	08-May-15	23:22:30
38	150508G1_38	1500410-01 PA104-SB28-0608 1.46	08-May-15	23:35:12
39	150508G1_39	1500410-02 PA113C-SB11-0103 1.53	08-May-15	23:47:52
40	150508G1_40	B5E0032-DUP1 Duplicate 1.42	09-May-15	00:00:34
41	150508G1_41	B5E0032-DUP2 Duplicate 1.11	09-May-15	00:13:16
42	150508G1_42	B5E0032-DUP3 Duplicate 1.19	09-May-15	00:25:58
43	150508G1_43	B5E0032-DUP4 Duplicate 1.15	09-May-15	00:38:40
44	150508G1_44	B5E0032-DUP5 Duplicate 3.03	09-May-15	00:51:22
45	150508G1_45	1400880-07RE4 BERGS-SO-018 1.29	09-May-15	01:04:05
46	150508G1_46	Methanol	09-May-15	07:15:04
47	150508G1_47	Methanol	09-May-15	07:27:44
48	150508G1_48	ST150508G1-11 PFC CS4 15E0807	09-May-15	07:40:25
49	150508G1_49	Methanol	09-May-15	07:53:06
50	150508G1_50	Methanol	09-May-15	08:05:48
51	150508G1_51	1400944-03RE1 LOWRY-SO-011 1.22	09-May-15	08:18:30
52	150508G1_52	1400952-02RE1 CHNTE-SD-001 1.55	09-May-15	08:31:09
53	150508G1_53	1500203-01RE4 MARCH-SO-018s 1.1	09-May-15	08:43:51
54	150508G1_54	1500209-05RE5 MCCLN-SD-007 2.76	09-May-15	08:56:33
55	150508G1_55	B5E0032-MS1 Matrix Spike 1.29	09-May-15	09:09:14
56	150508G1_56	B5E0032-MSD1 Matrix Spike Dup 1.35	09-May-15	09:21:55
57	150508G1_57	Methanol	09-May-15	09:34:36
58	150508G1_58	Methanol	09-May-15	09:47:18
59	150508G1_59	ST150508G1-12 PFC CS4 15E0807	09-May-15	09:59:58
60	150508G1_60	Methanol	09-May-15	10:12:39
61	150508G1_61	Methanol	09-May-15	10:25:22

Ⓐ Instrument idle while  
reestablishing communications,  
AC 5/11/15

Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

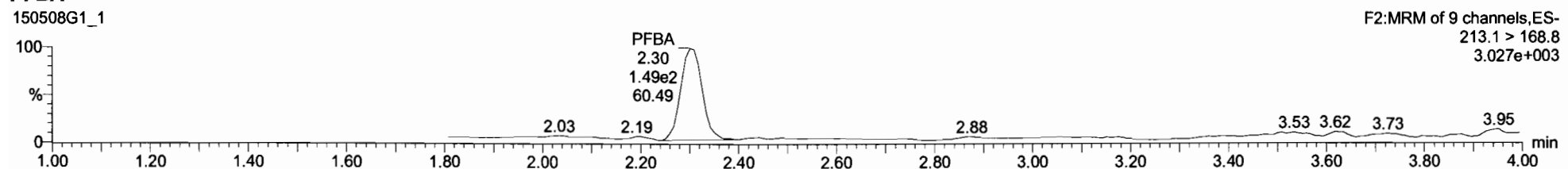
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 11 May 2015 13:08:22

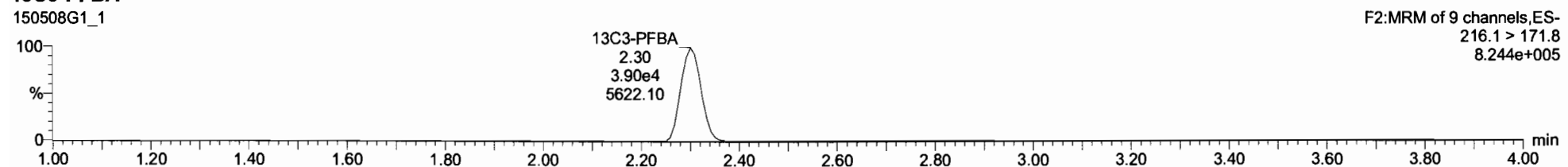
Calibration: 11 May 2015 13:08:31

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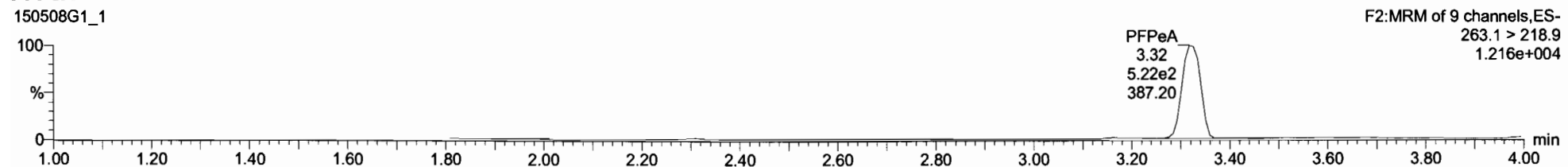
**PFBA**



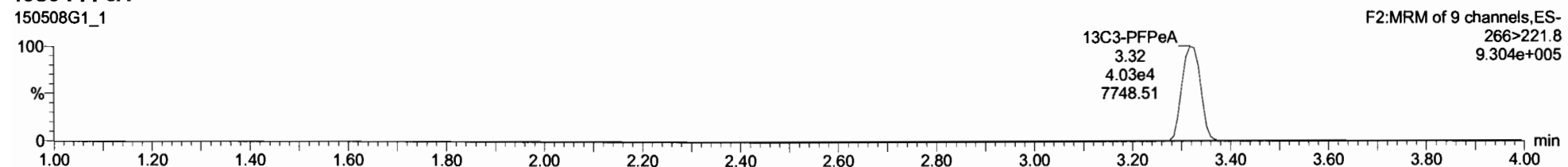
**13C3-PFBA**



**PFPeA**



**13C3-PFPeA**

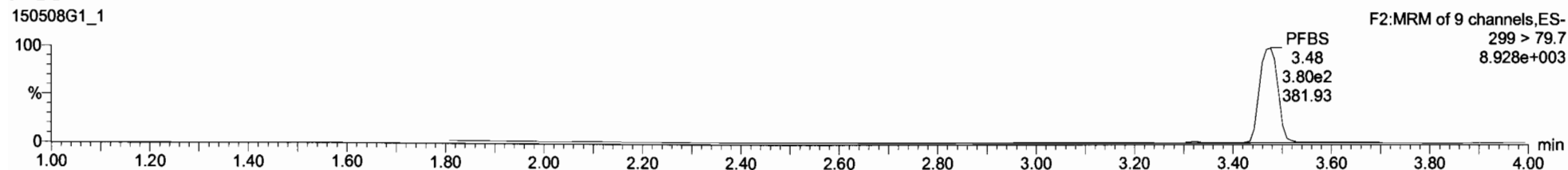


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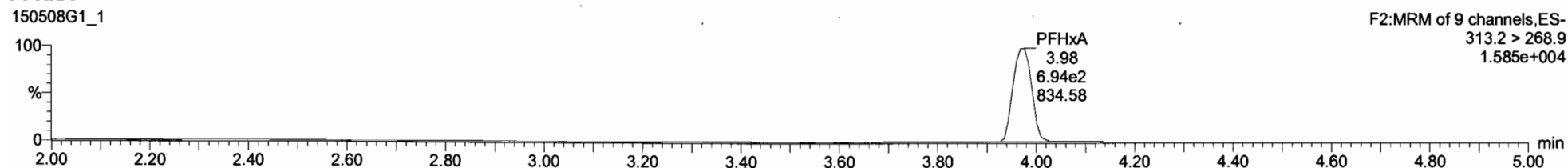
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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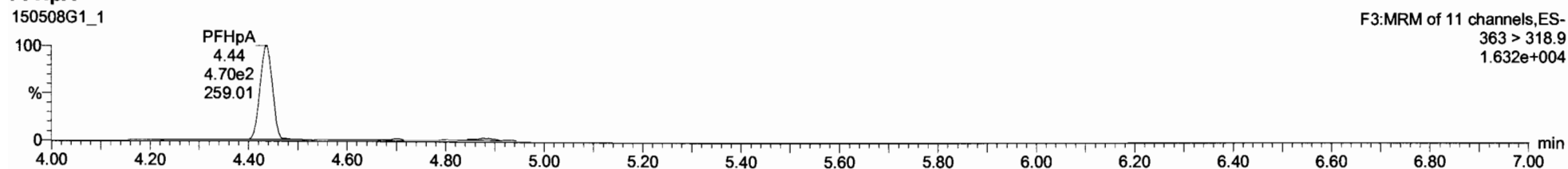
**PFBS**



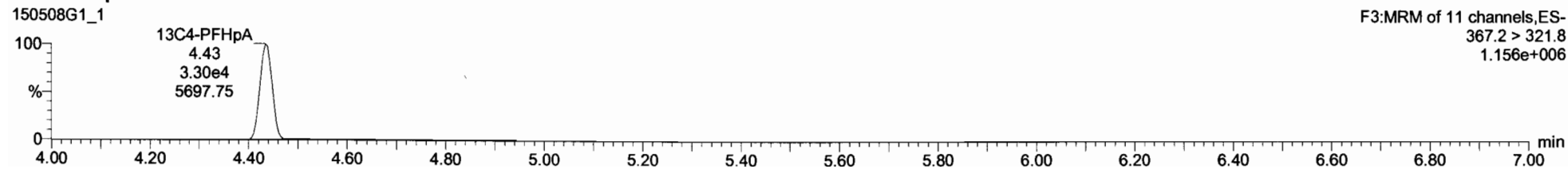
**PFHxA**



**PFHpA**



**13C4-PFHpA**

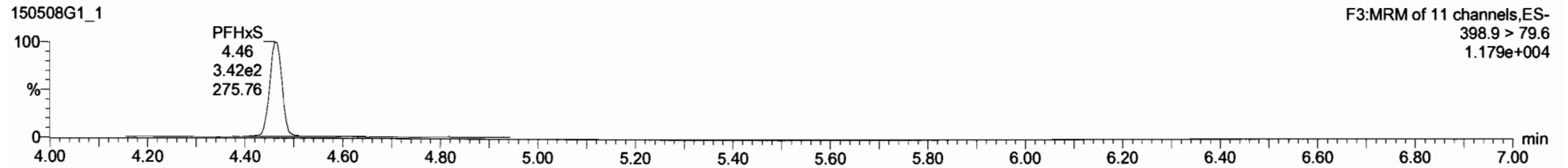


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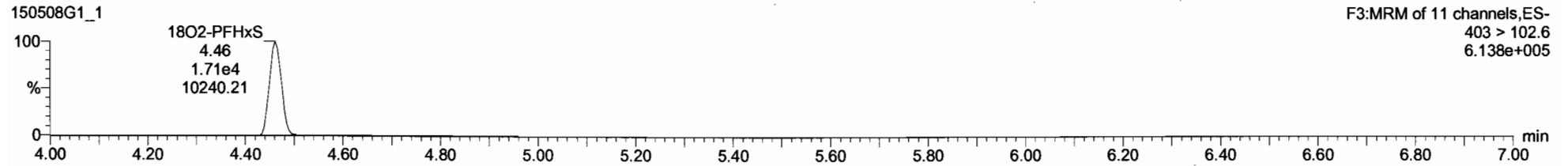
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

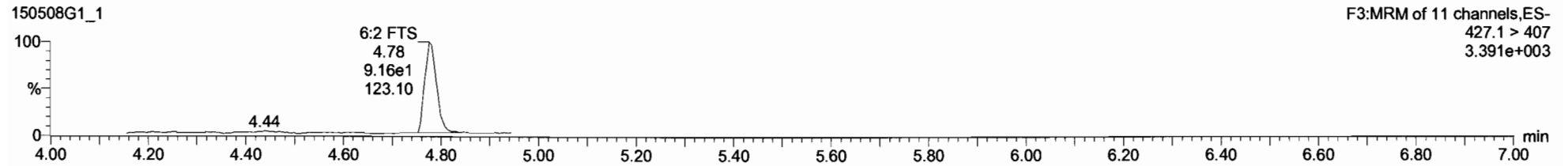
**PFHxS**



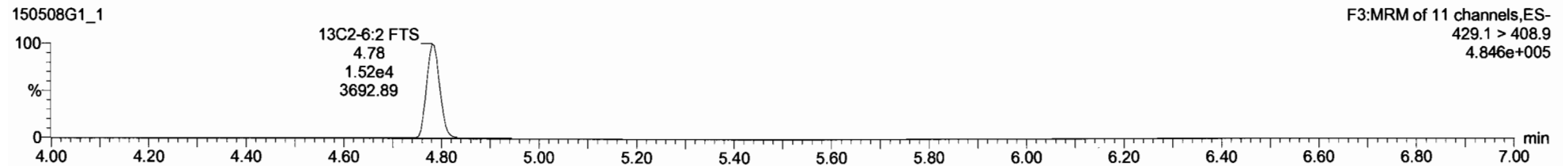
**18O2-PFHxS**



**6:2 FTS**



**13C2-6:2 FTS**



Dataset: Untitled

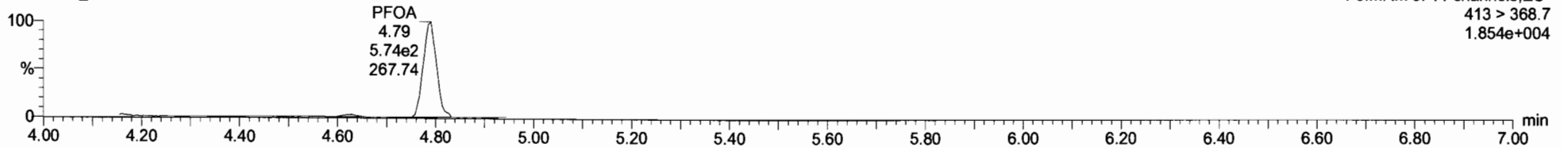
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

**PFOA**

150508G1\_1

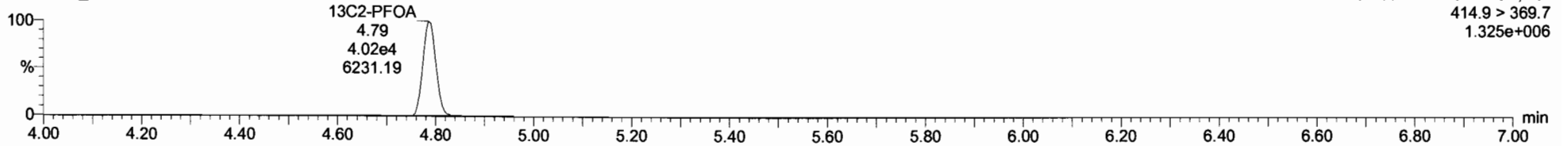
F3:MRM of 11 channels,ES-  
413 > 368.7  
1.854e+004



**13C2-PFOA**

150508G1\_1

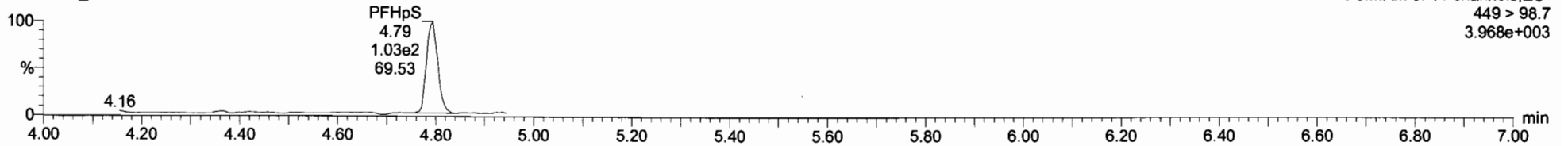
F3:MRM of 11 channels,ES-  
414.9 > 369.7  
1.325e+006



**PFHpS**

150508G1\_1

F3:MRM of 11 channels,ES-  
449 > 98.7  
3.968e+003

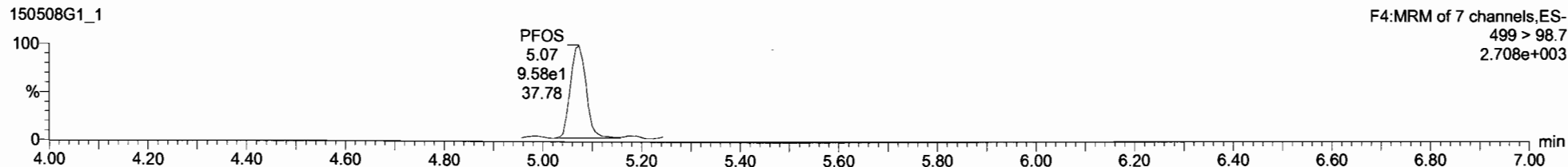


Dataset:      Untitled

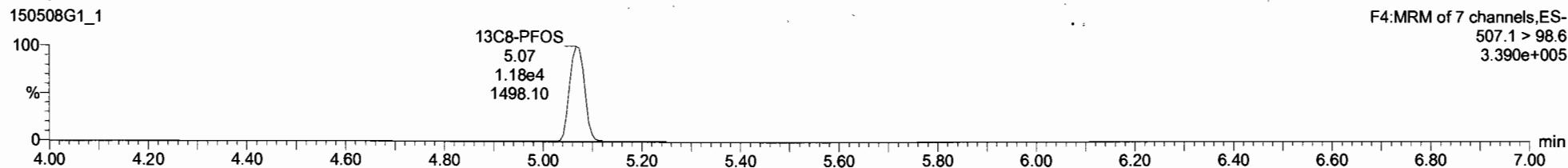
Last Altered:    Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed:          Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

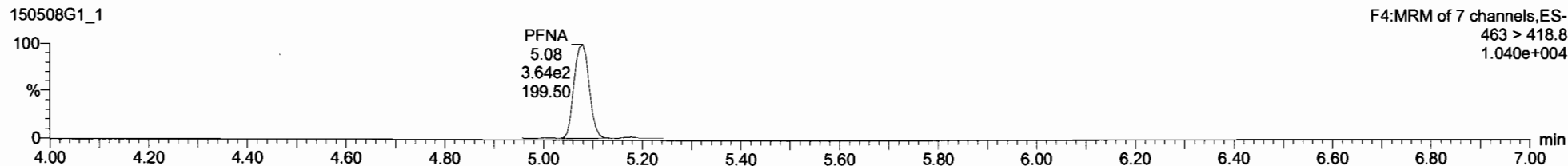
**PFOS**



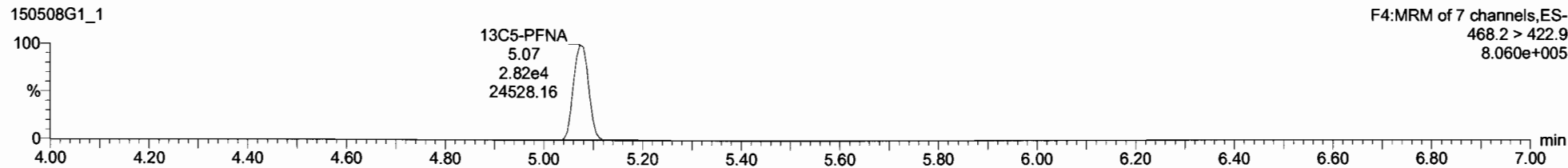
**13C8-PFOS**



**PFNA**



**13C5-PFNA**





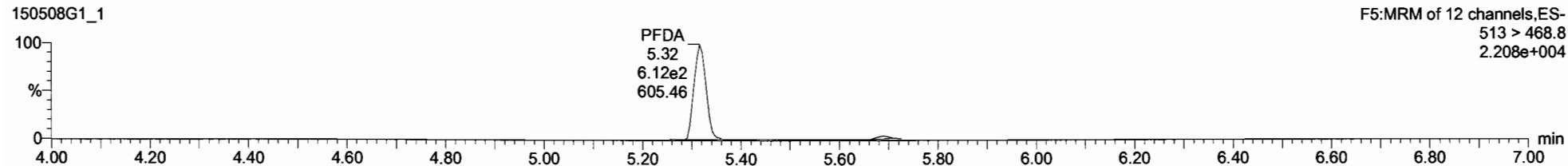
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

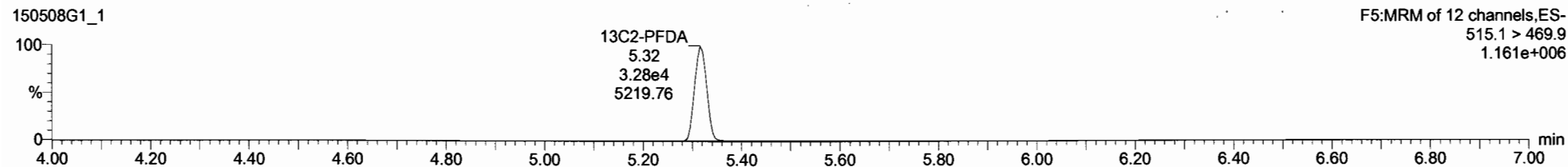
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

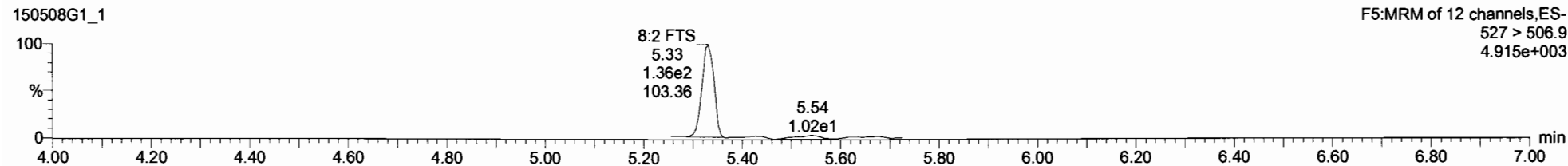
**PFDA**



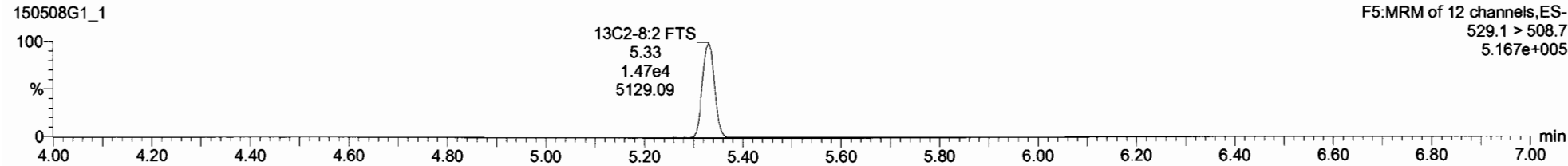
**13C2-PFDA**



**8:2 FTS**



**13C2-8:2 FTS**

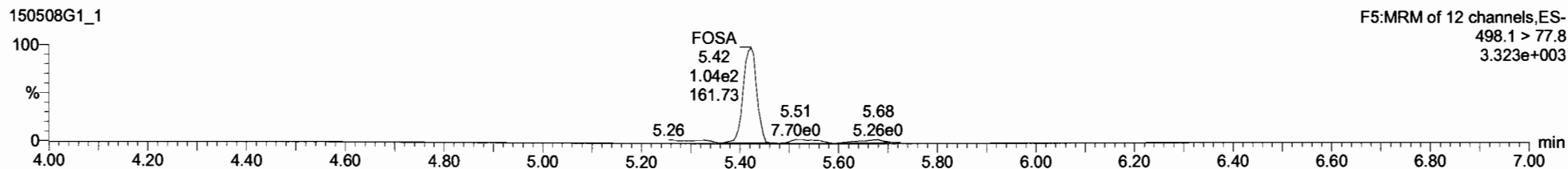


Dataset: Untitled

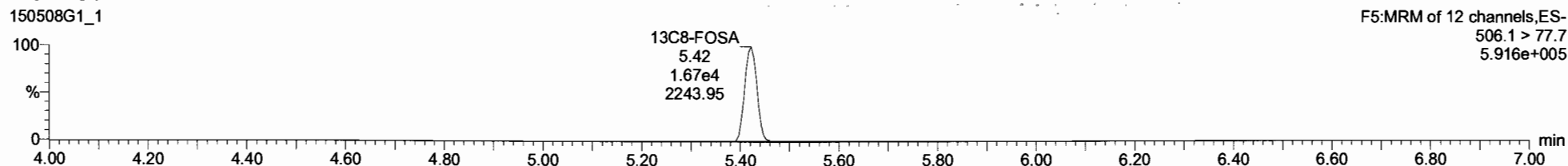
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

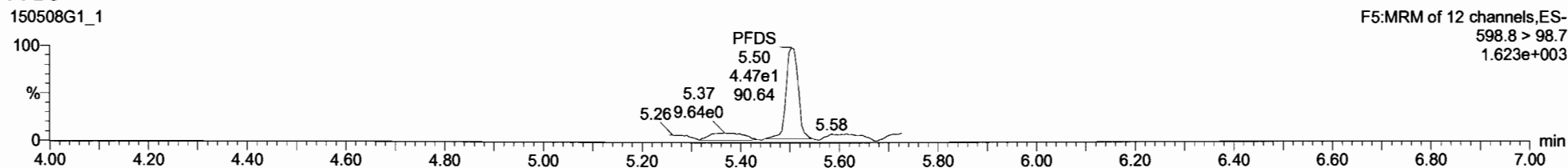
**FOSA**



**13C8-FOSA**



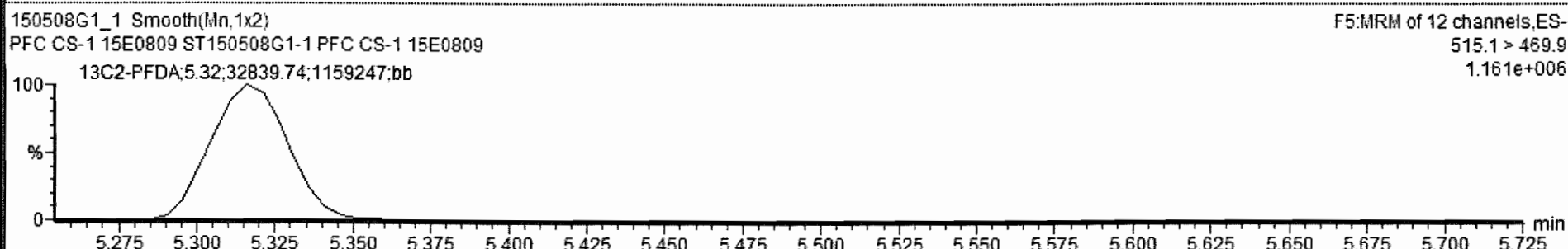
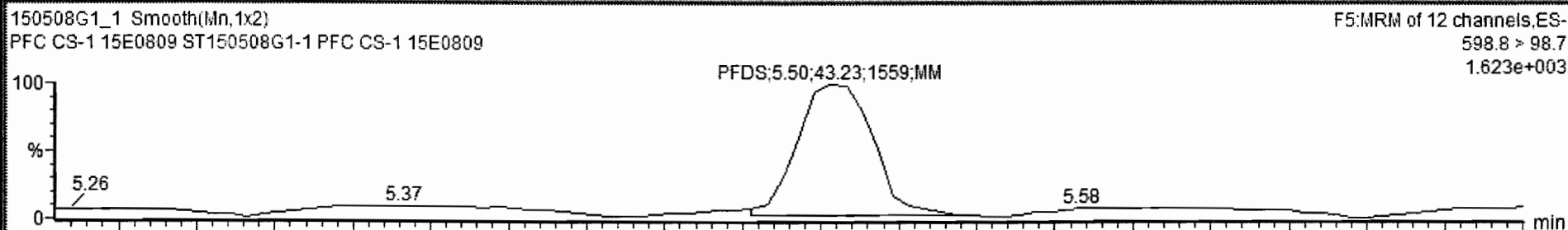
**PFDS**





150508G1\_1 - ST150508G1-1 PFC CS-1 15E0809 - PFC CS-1 15E0809

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	4.32e1	0.066	0.132	1.000	5.50	0.861	172.3	0.0245578	0.9999
16	PFUdA	563 > 518.9	5.29e2	1.236	2.472	1.000	5.52	1.20	240.0	0.0054626	0.9999
17	PFDoA	612.9 > 568.8	1.47e2	0.600	1.199	1.000	5.69	0.697	139.5	0.0080611	0.9998
18	N-MeFOSA	512.1 > 168.9	2.72e2	6.283	1.257	1.000	5.80	104	2078.6	79.1282135	0.9373
19	N-MeFOSE	616.1 > 58.9	2.18e2	5.033	1.007	1.000	5.81	6.97	139.4	0.1035484	0.9997
20	PFTrDA	662.9 > 618.9	3.36e2	0.784	1.569	1.000	5.85	31.5	6302.8	27.9385140	0.9955
21	N-EtFOSE	630.1 > 58.9	2.34e2	5.128	1.026	1.000	5.92	4.65	93.1	0.0584100	0.9999
22	N-EtFOSA	526.1 > 168.9	3.07e2	5.091	1.018	1.000	5.92	4.77	95.3	0.0000000	0.9991
23	PFTeDA	712.9 > 668.8	9.65e2	0.992	1.983	1.000	5.99	1.12	224.0	0.0078033	0.9996
24	PFHxDA	813.1 > 768.6	4.19e3	2.605	5.210	1.000	6.22	2.81	562.7	0.0025607	0.9991
25	PFODA	913.1 > 868.8	1.30e3	0.808	1.617	1.000	6.46	0.591	118.2	0.0024954	0.9790
26	13C3-PFBA	216.1 > 171.8	3.90e4	49.628	0.993	1.000	2.30	47.8	95.5	0.0212314	2.99
27	13C3-PFPeA	266 > 221.8	4.03e4	50.238	1.005	1.000	3.32	51.5	103.0	0.0164015	4.78



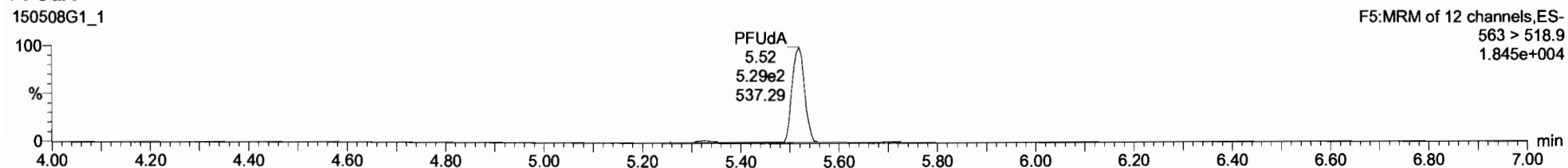
Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

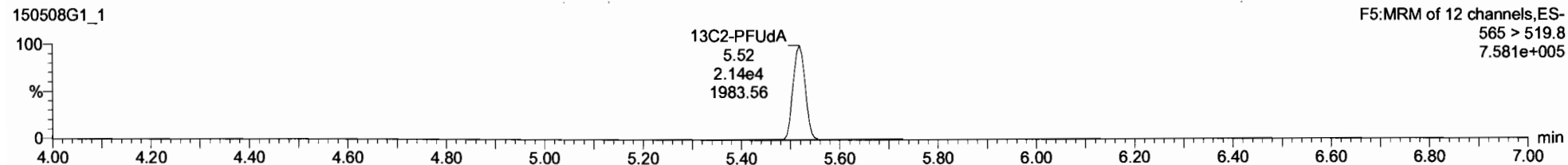
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

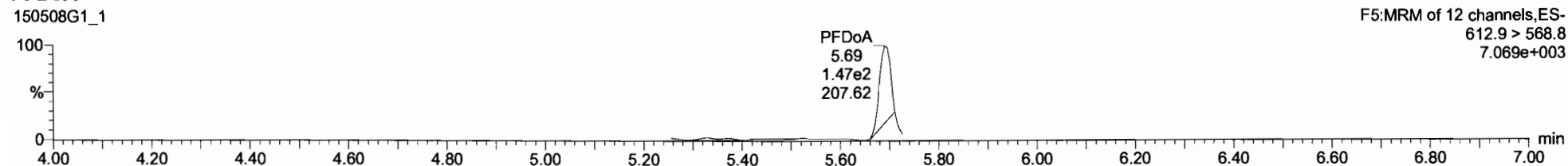
**PFUdA**



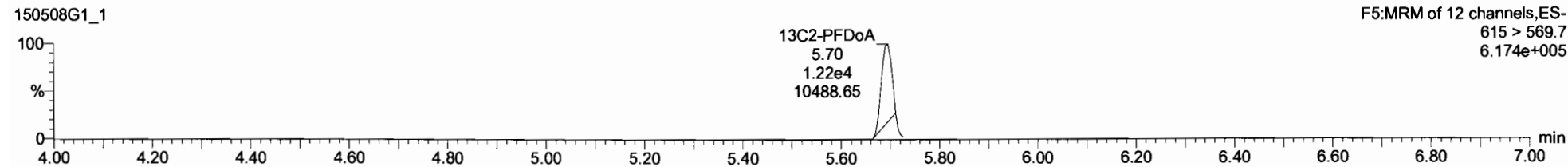
**13C2-PFUdA**

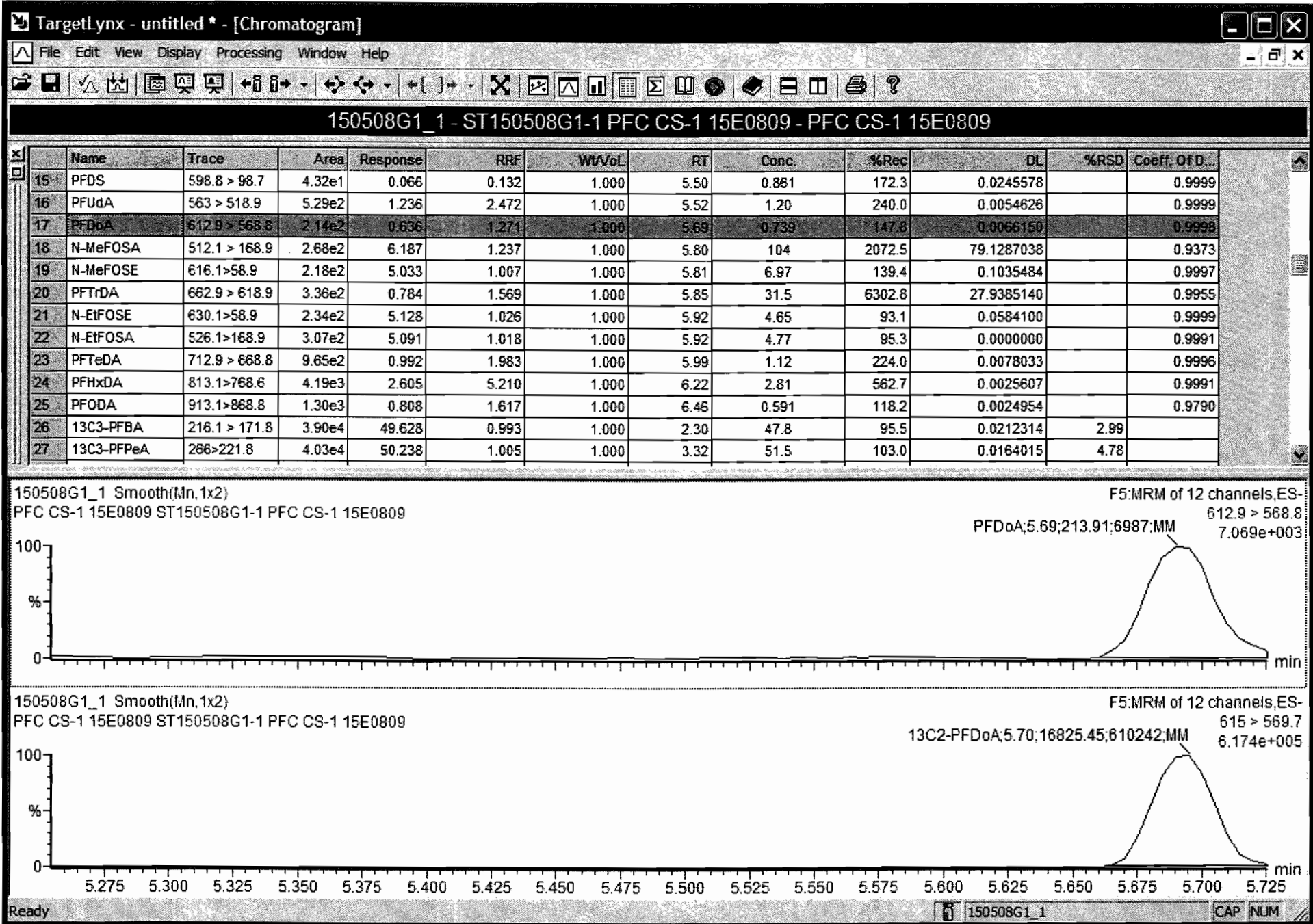


**PFDaA**



**13C2-PFDaA**



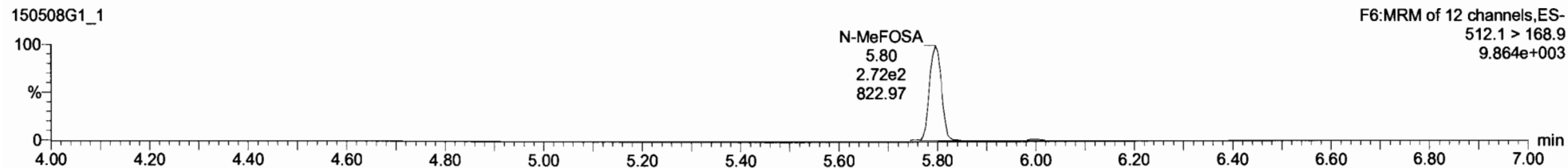


Dataset: Untitled

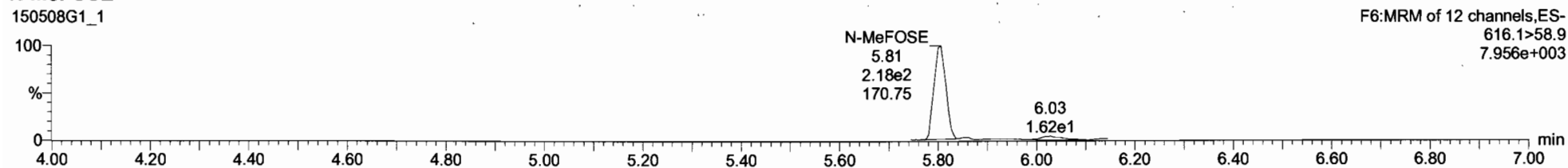
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

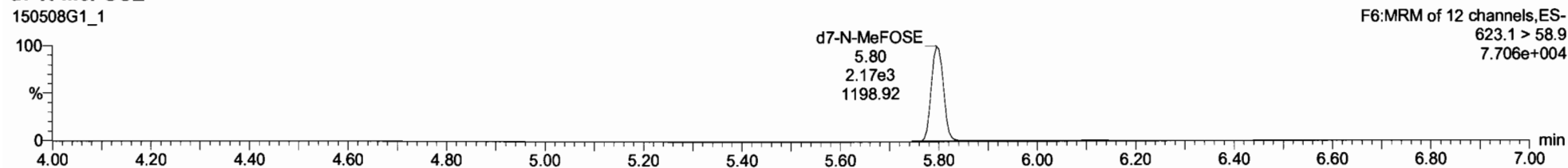
**N-MeFOSA**



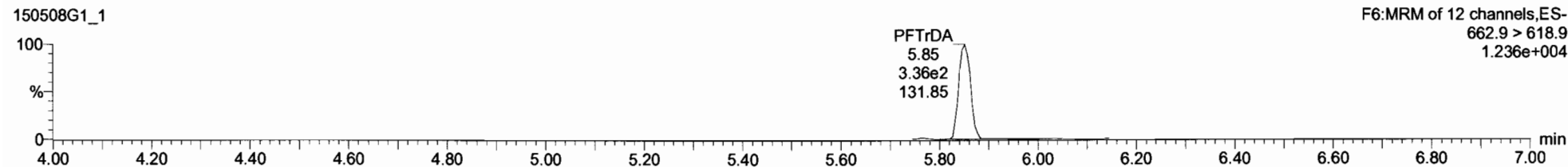
**N-MeFOSE**

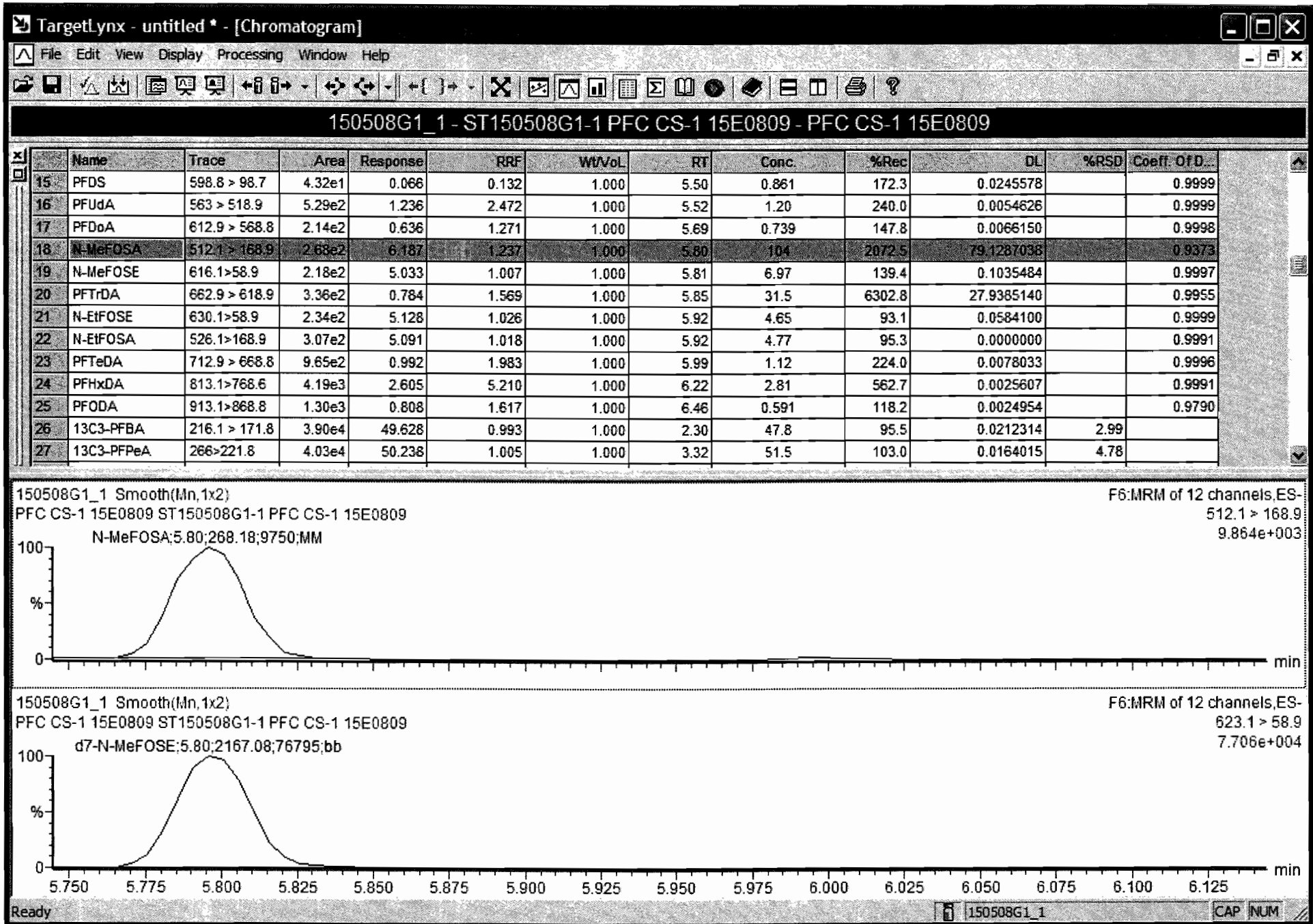


**d7-N-MeFOSE**



**PFTTrDA**

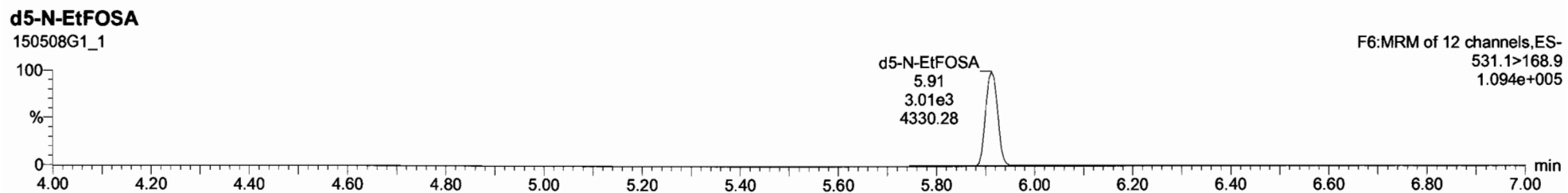
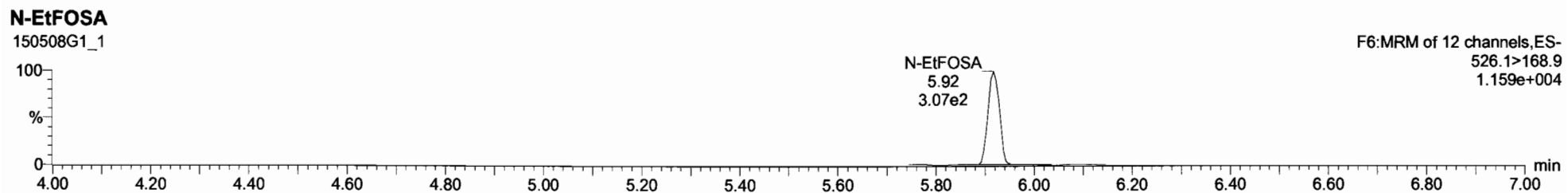
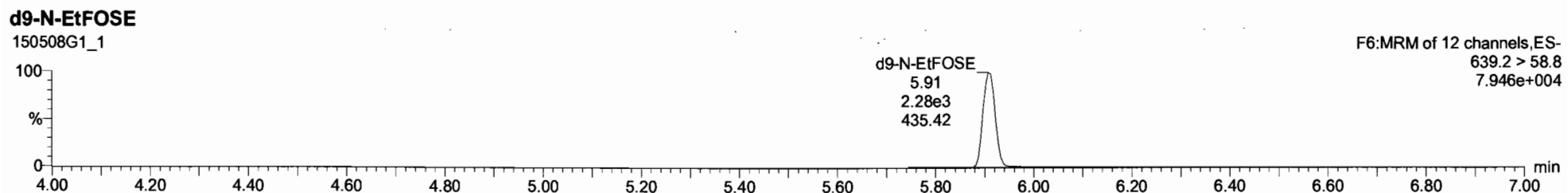
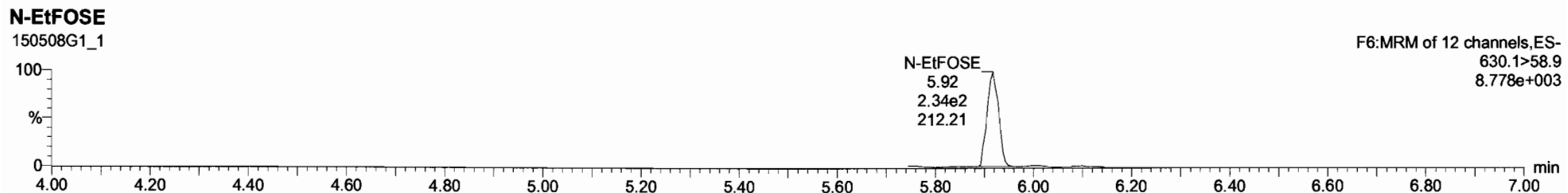




Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809



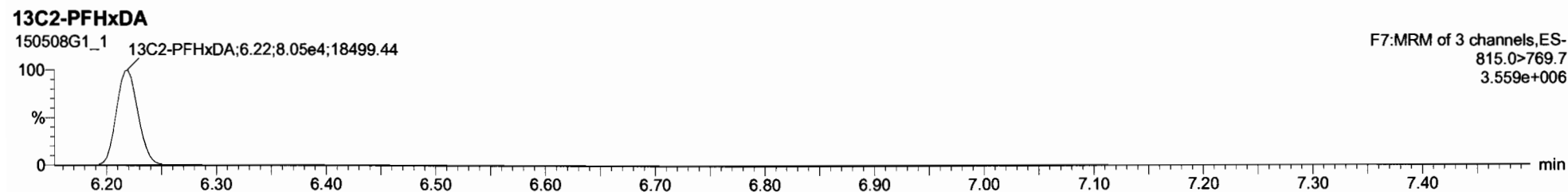
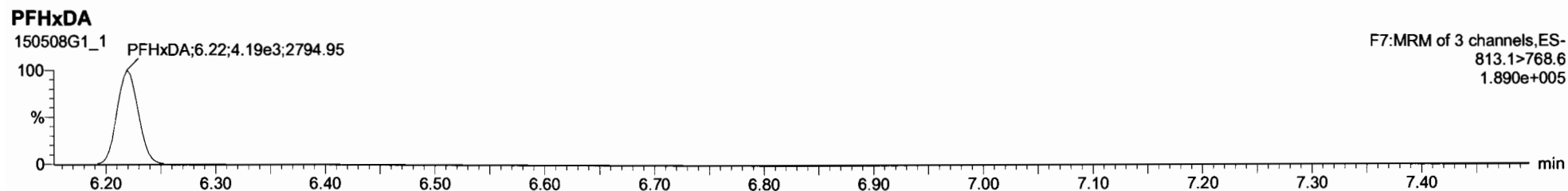
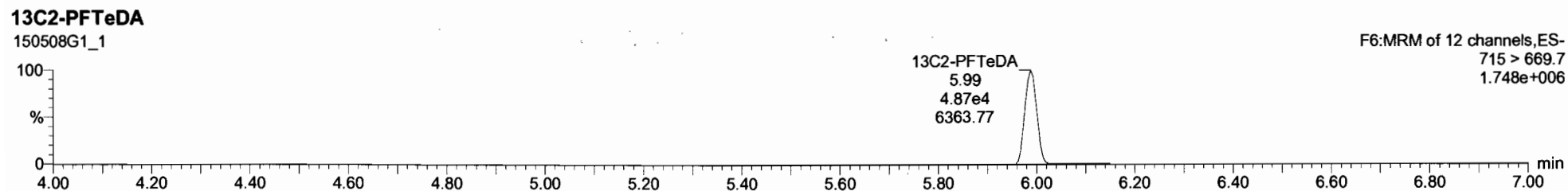
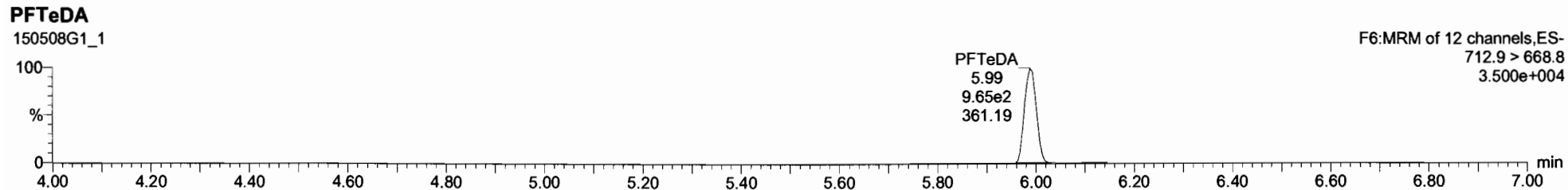


Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809



Dataset: Untitled

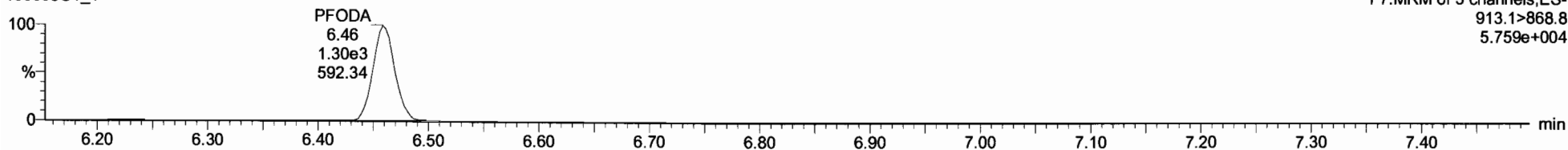
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

**PFODA**

150508G1\_1

F7:MRM of 3 channels,ES-  
913.1>868.8  
5.759e+004



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

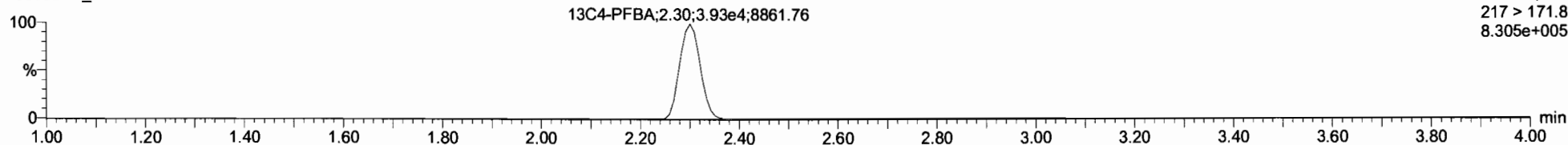
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

**13C4-PFBA**

150508G1\_1

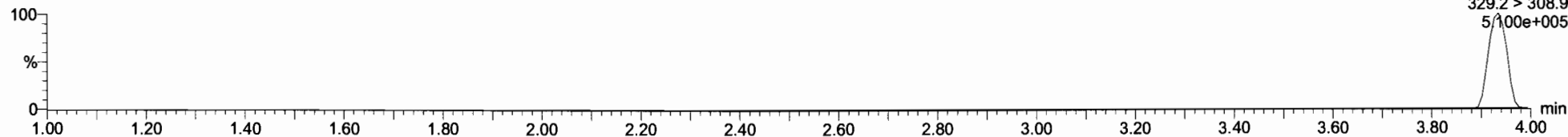
F2:MRM of 9 channels,ES-  
217 > 171.8  
8.305e+005



**13C2-4:2 FTS**

150508G1\_1

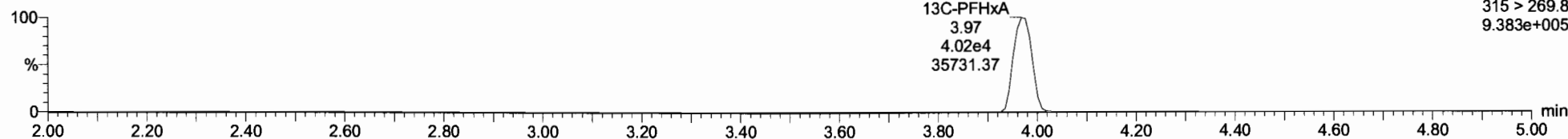
F2:MRM of 9 channels,ES-  
329.2 > 308.9  
5.100e+005



**13C-PFHxA**

150508G1\_1

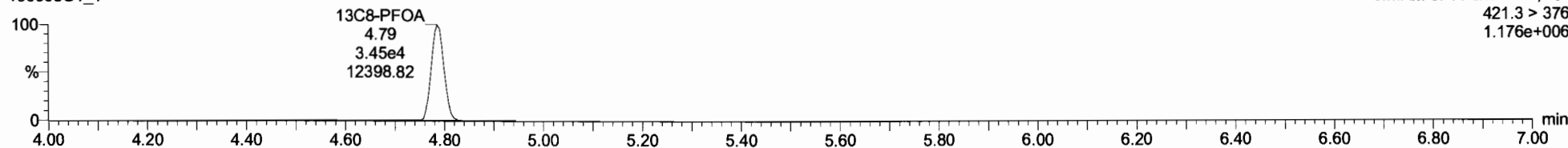
F2:MRM of 9 channels,ES-  
315 > 269.8  
9.383e+005



**13C8-PFOA**

150508G1\_1

F3:MRM of 11 channels,ES-  
421.3 > 376  
1.176e+006



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

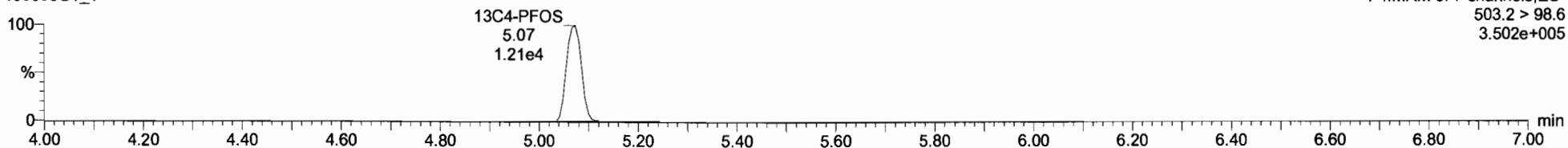
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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### 13C4-PFOS

150508G1\_1

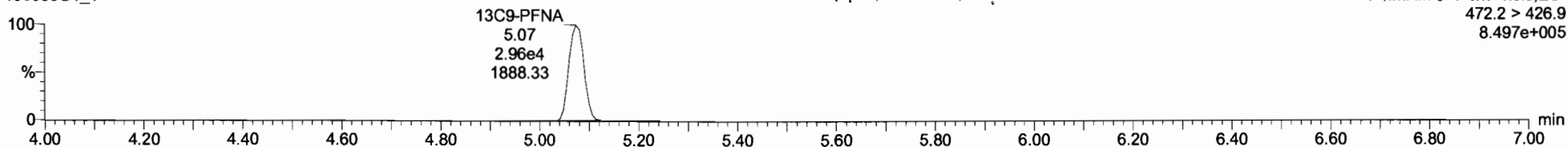
F4:MRM of 7 channels,ES-  
503.2 > 98.6  
3.502e+005



### 13C9-PFNA

150508G1\_1

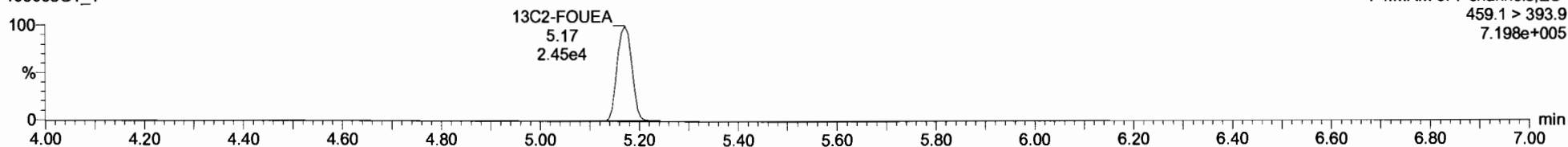
F4:MRM of 7 channels,ES-  
472.2 > 426.9  
8.497e+005



### 13C2-FOUEA

150508G1\_1

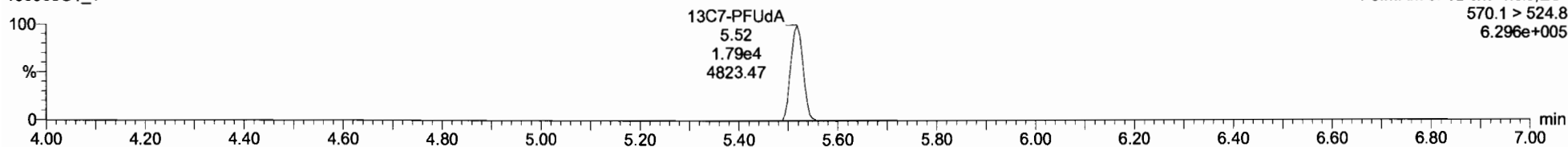
F4:MRM of 7 channels,ES-  
459.1 > 393.9  
7.198e+005



### 13C7-PFUdA

150508G1\_1

F5:MRM of 12 channels,ES-  
570.1 > 524.8  
6.296e+005



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

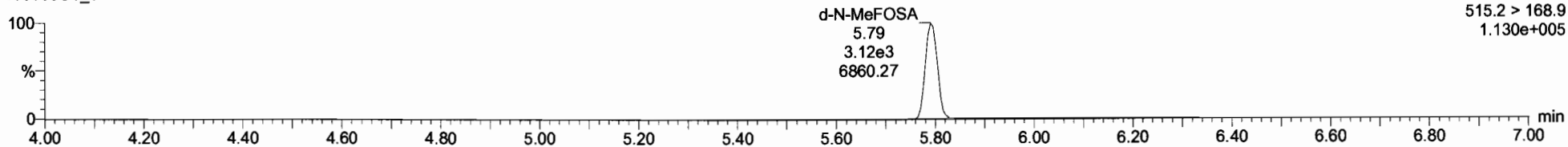
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_1, Date: 08-May-2015, Time: 15:45:33, ID: ST150508G1-1 PFC CS-1 15E0809, Description: PFC CS-1 15E0809

**d-N-MeFOSA**

150508G1\_1

F6:MRM of 12 channels,ES-  
515.2 > 168.9  
1.130e+005



Dataset: Untitled

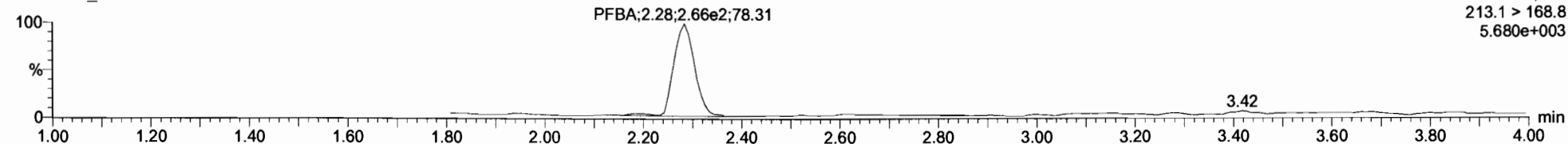
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

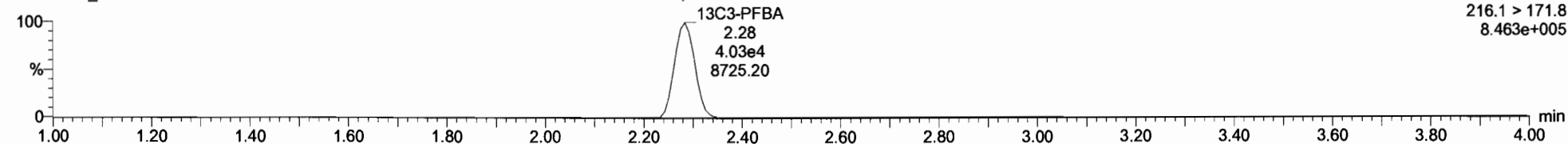
**PFBA**

150508G1\_2



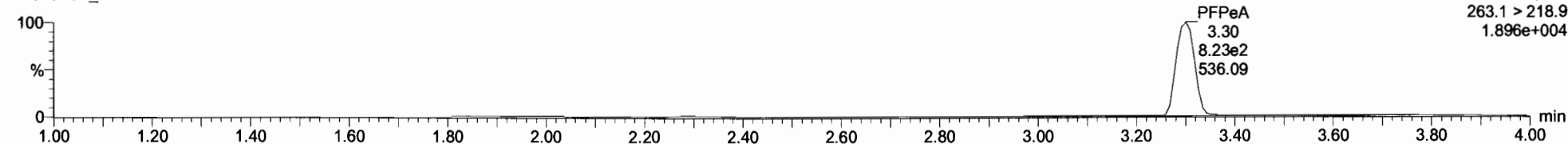
**13C3-PFBA**

150508G1\_2



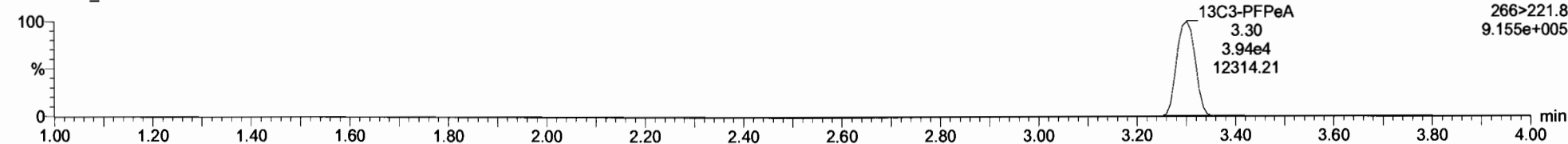
**PFPeA**

150508G1\_2



**13C3-PFPeA**

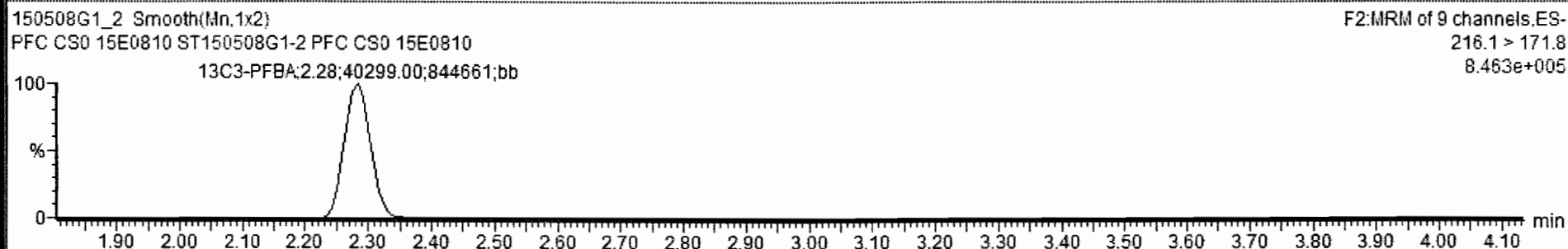
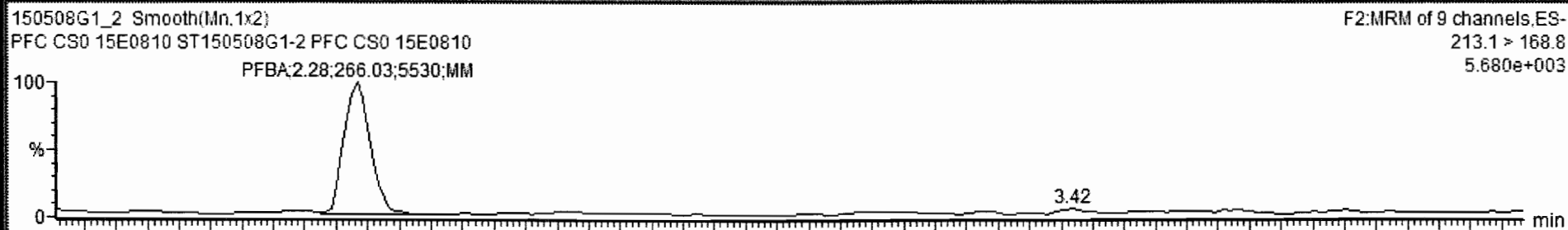
150508G1\_2





150508G1\_2 - ST150508G1-2 PFC CS0 15E0810 - PFC CS0 15E0810

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff Of D...
1	PFBA	213.1 > 168.8	2.66e2	0.330	0.330	1.000	2.28	1.22	121.8	0.0385471	0.9996
2	PFPeA	263.1 > 218.9	8.23e2	1.043	1.043	1.000	3.30	1.23	123.2	0.0056778	0.9997
3	PFBS	299 > 79.7	4.73e2	1.388	1.388	1.000	3.45	0.939	93.9	0.0029712	0.9983
4	PFHxA	313.2 > 268.9	1.04e3	1.336	1.336	1.000	3.95	1.10	110.3	0.0016089	0.9995
5	PFHpA	363 > 318.9	1.02e3	1.306	1.306	1.000	4.42	1.02	102.0	0.0025243	0.9998
6	PFHxS	398.9 > 79.6	5.72e2	1.681	1.681	1.000	4.45	1.28	127.9	0.0042148	0.9998
7	6:2 FTS	427.1 > 407	1.11e2	0.531	0.531	1.000	4.77	1.08	107.6	0.0311590	0.9990
8	PFOA	413 > 368.7	8.60e2	0.958	0.958	1.000	4.77	1.01	100.8	0.0049764	0.9999
9	PFHpS	449 > 98.7	1.66e2	0.488	0.488	1.000	4.78	0.811	81.1	0.0132514	0.9989
10	PFOS	499 > 98.7	2.11e2	0.940	0.940	1.000	5.06	0.901	90.1	0.0216608	0.9999
11	PFNA	463 > 418.8	6.19e2	1.062	1.062	1.000	5.06	1.17	116.7	0.0091763	0.9995
12	PFDA	513 > 468.8	8.23e2	1.295	1.295	1.000	5.31	1.15	115.0	0.0045027	0.9999
13	8:2 FTS	527 > 506.9	2.46e2	1.155	1.155	1.000	5.32	1.20	119.9	0.0254574	0.9998



Dataset: Untitled

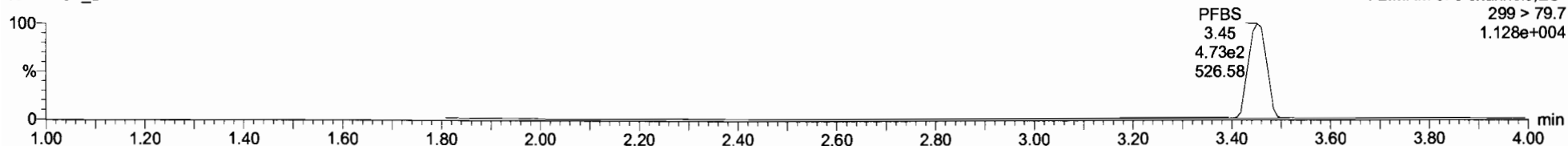
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

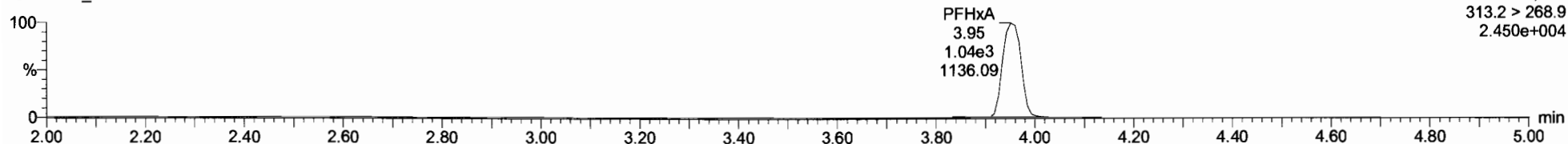
**PFBS**

150508G1\_2



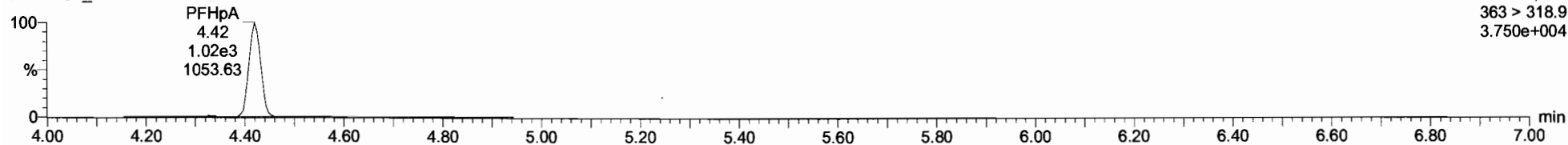
**PFHxA**

150508G1\_2



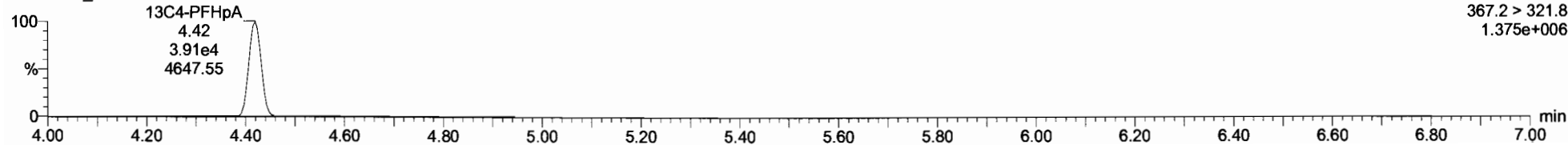
**PFHpA**

150508G1\_2



**13C4-PFHpA**

150508G1\_2





Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

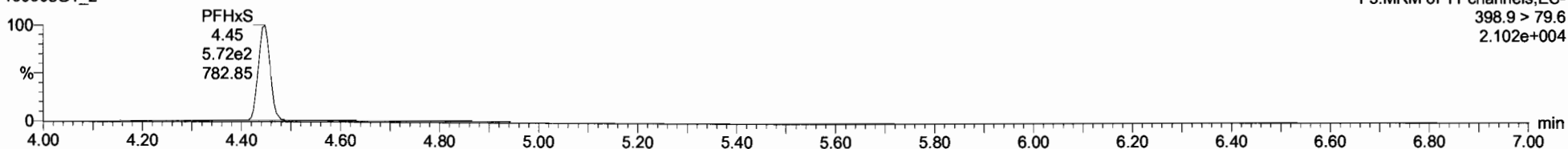
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

**PFHxS**

150508G1\_2

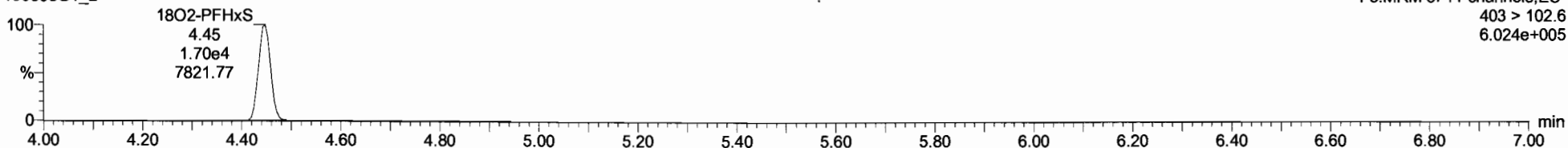
F3:MRM of 11 channels,ES-  
398.9 > 79.6  
2.102e+004



**18O2-PFHxS**

150508G1\_2

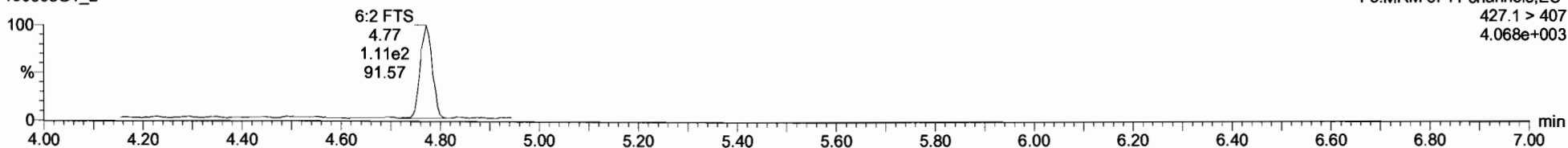
F3:MRM of 11 channels,ES-  
403 > 102.6  
6.024e+005



**6:2 FTS**

150508G1\_2

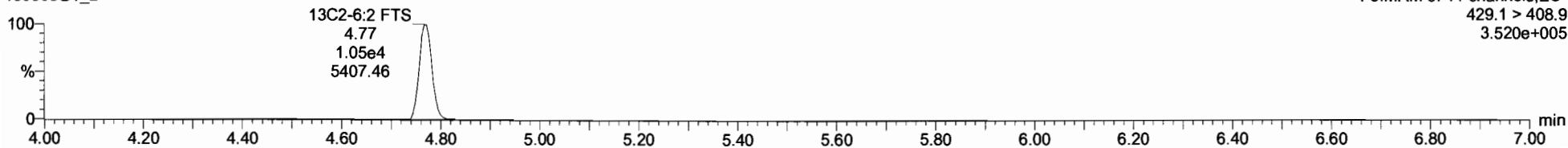
F3:MRM of 11 channels,ES-  
427.1 > 407  
4.068e+003



**13C2-6:2 FTS**

150508G1\_2

F3:MRM of 11 channels,ES-  
429.1 > 408.9  
3.520e+005



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

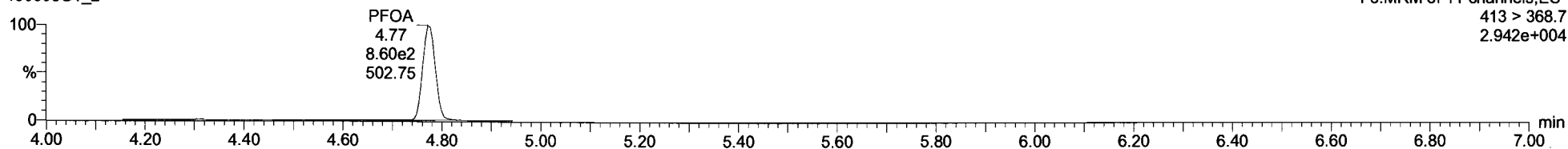
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

**PFOA**

150508G1\_2

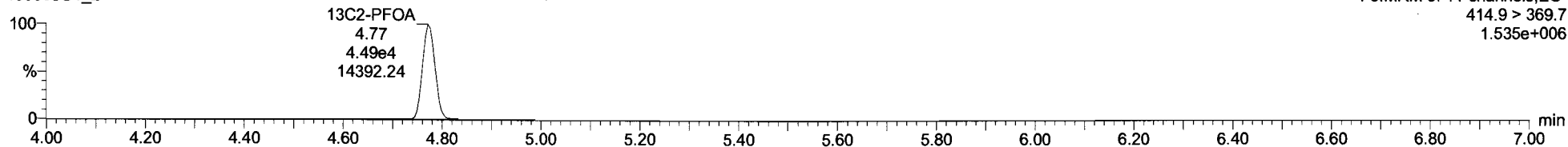
F3:MRM of 11 channels,ES-  
413 > 368.7  
2.942e+004



**13C2-PFOA**

150508G1\_2

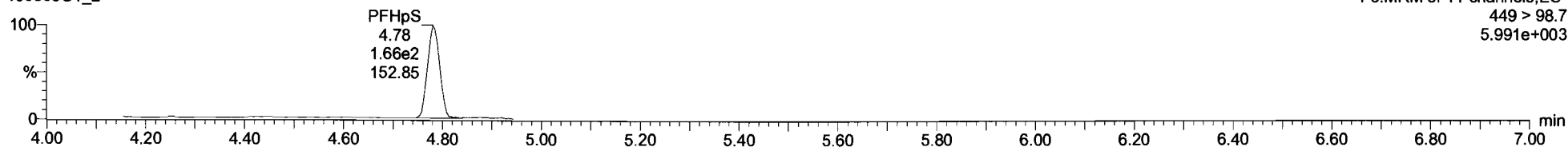
F3:MRM of 11 channels,ES-  
414.9 > 369.7  
1.535e+006



**PFHpS**

150508G1\_2

F3:MRM of 11 channels,ES-  
449 > 98.7  
5.991e+003



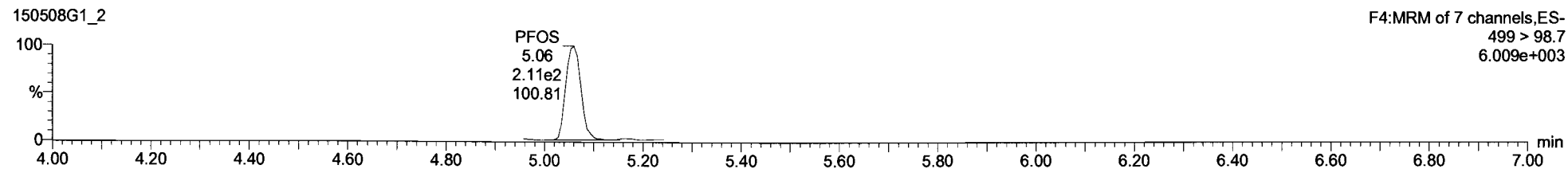
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

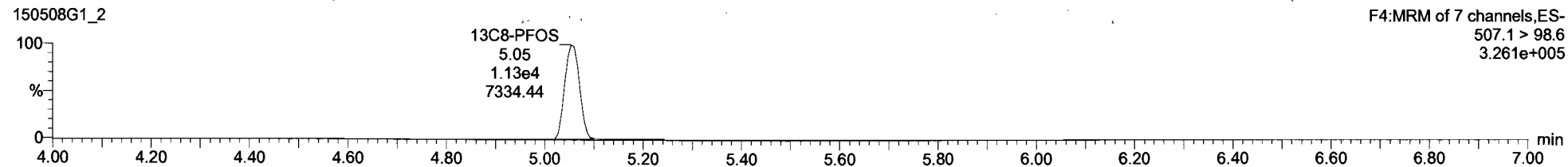
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

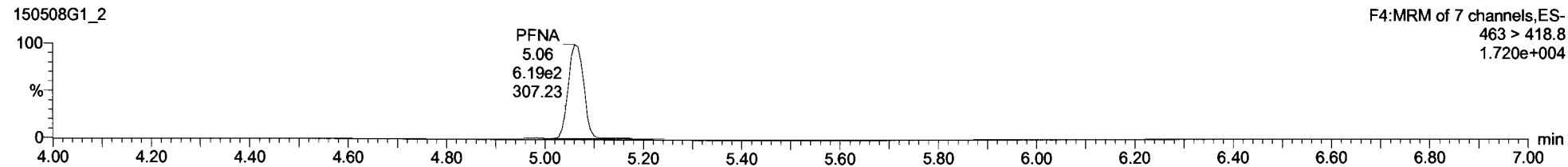
**PFOS**



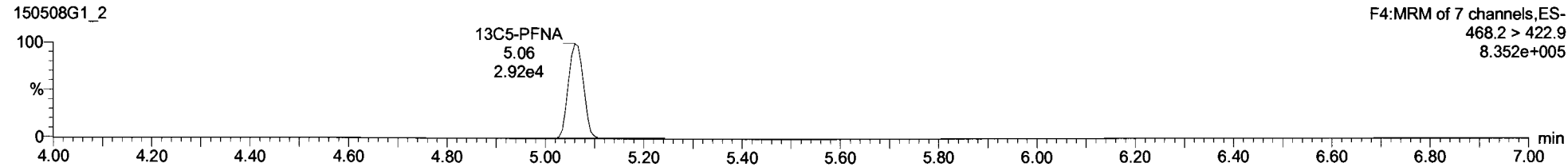
**13C8-PFOS**



**PFNA**



**13C5-PFNA**



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

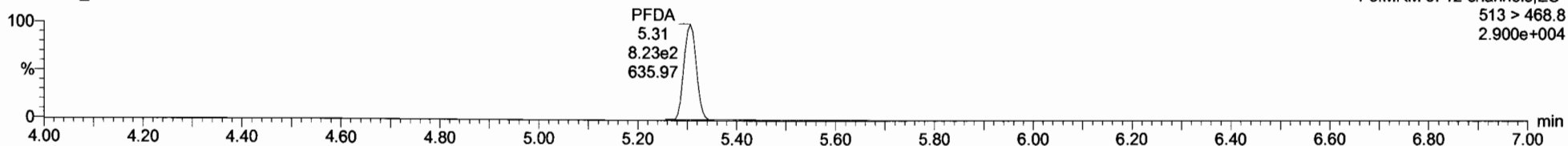
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

**PFDA**

150508G1\_2

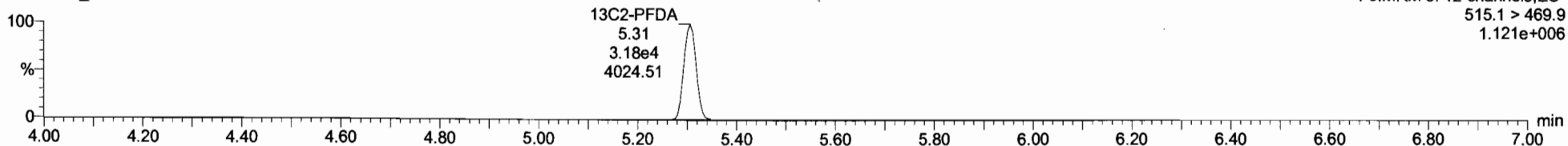
F5:MRM of 12 channels,ES-  
513 > 468.8  
2.900e+004



**13C2-PFDA**

150508G1\_2

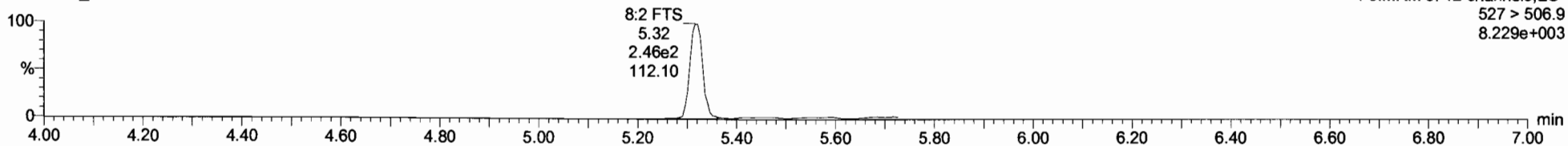
F5:MRM of 12 channels,ES-  
515.1 > 469.9  
1.121e+006



**8:2 FTS**

150508G1\_2

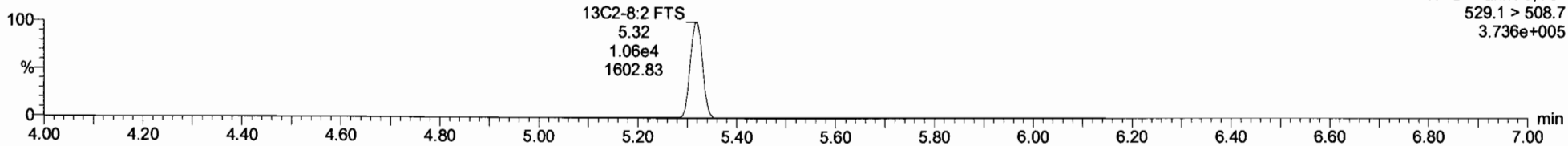
F5:MRM of 12 channels,ES-  
527 > 506.9  
8.229e+003



**13C2-8:2 FTS**

150508G1\_2

F5:MRM of 12 channels,ES-  
529.1 > 508.7  
3.736e+005



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

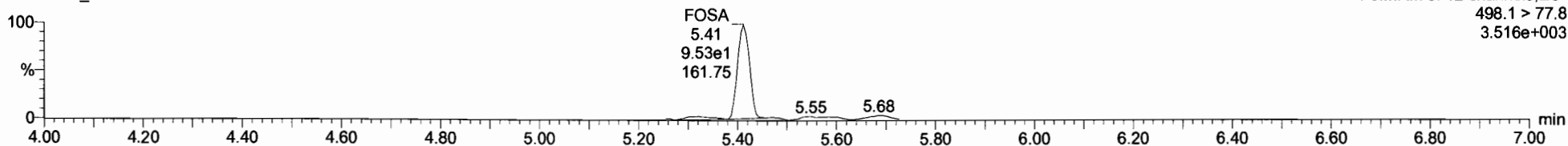
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

**FOSA**

150508G1\_2

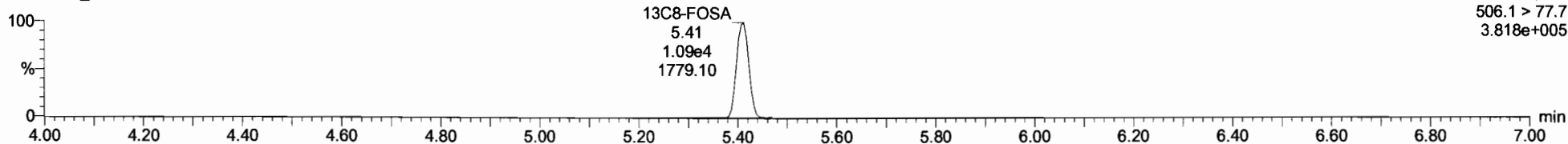
F5:MRM of 12 channels,ES-  
498.1 > 77.8  
3.516e+003



**13C8-FOSA**

150508G1\_2

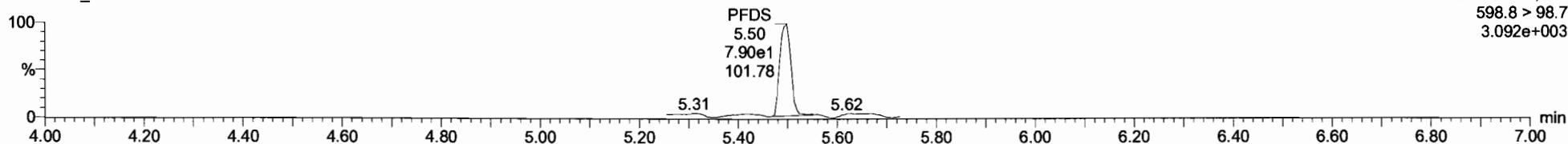
F5:MRM of 12 channels,ES-  
506.1 > 77.7  
3.818e+005



**PFDS**

150508G1\_2

F5:MRM of 12 channels,ES-  
598.8 > 98.7  
3.092e+003



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

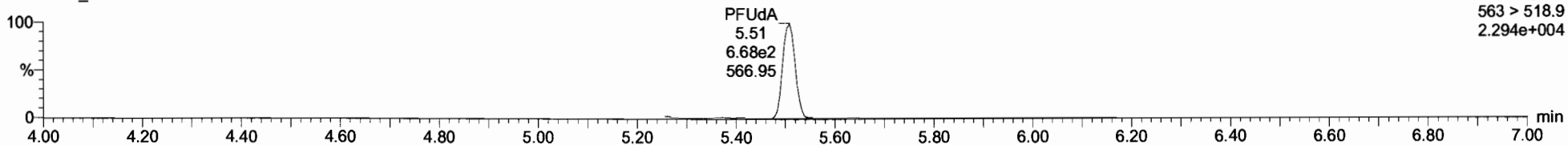
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

**PFUdA**

150508G1\_2

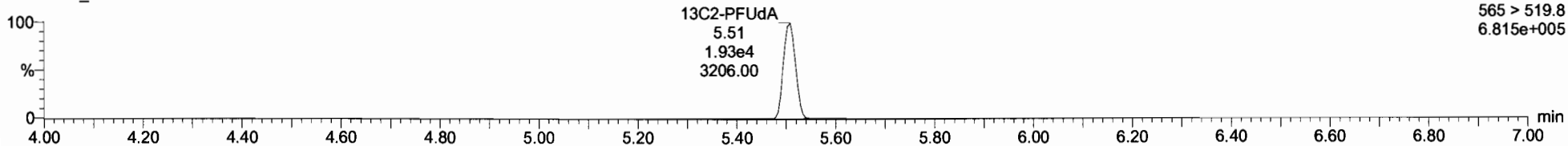
F5:MRM of 12 channels,ES-  
565 > 518.9  
2.294e+004



**13C2-PFUdA**

150508G1\_2

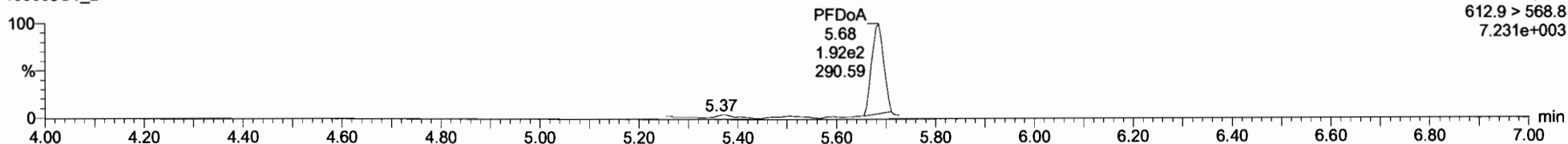
F5:MRM of 12 channels,ES-  
565 > 519.8  
6.815e+005



**PFDoA**

150508G1\_2

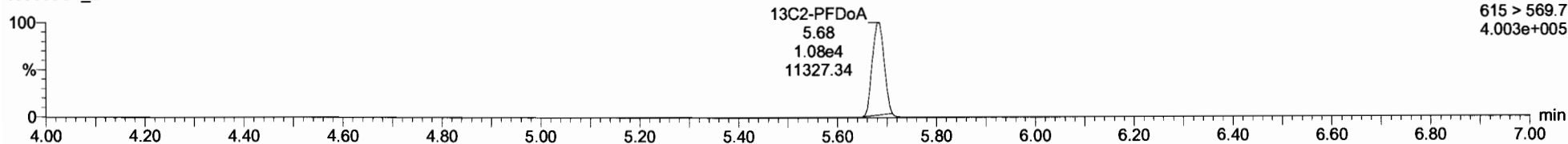
F5:MRM of 12 channels,ES-  
612.9 > 568.8  
7.231e+003



**13C2-PFDoA**

150508G1\_2

F5:MRM of 12 channels,ES-  
615 > 569.7  
4.003e+005





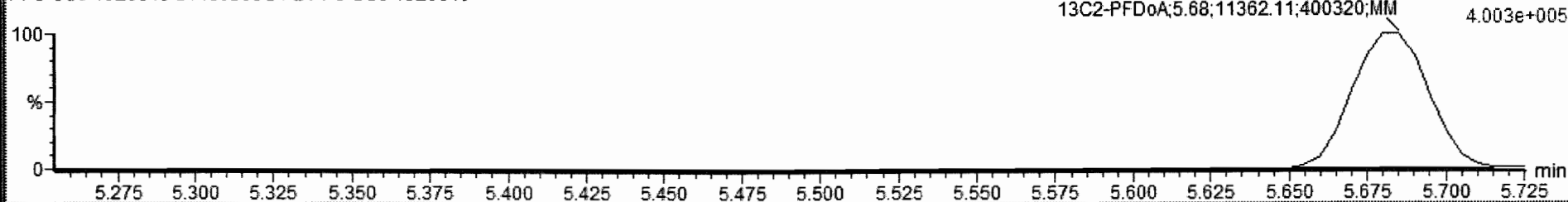
150508G1\_2 - ST150508G1-2 PFC CS0 15E0810 - PFC CS0 15E0810

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	7.90e1	0.124	0.124	1.000	5.50	1.61	161.5	0.0434835	0.9999
16	PFuDA	563 > 518.9	6.68e2	1.734	1.734	1.000	5.51	1.68	168.3	0.0071909	0.9999
17	PFDoA	612.9 > 568.8	2.03e2	0.895	0.895	1.000	5.68	1.04	104.0	0.0085858	0.9998
18	N-MeFOFA	512.1 > 168.9	1.19e2	5.738	0.574	1.000	5.79	102	1021.7	79.6448034	0.9373
19	N-MeFOSE	616.1 > 58.9	1.80e2	8.711	0.871	1.000	5.80	12.0	120.4	0.1301402	0.9997
20	PFTrDA	662.9 > 618.9	2.87e2	0.745	0.745	1.000	5.84	31.3	3134.8	27.9665755	0.9955
21	N-EtFOSE	630.1 > 58.9	2.62e2	12.027	1.203	1.000	5.91	10.9	109.2	0.1010611	0.9999
22	N-EtFOFA	526.1 > 168.9	2.42e2	10.363	1.036	1.000	5.91	9.70	97.0	0.0588097	0.9991
23	PFTeDA	712.9 > 668.8	8.92e2	1.483	1.483	1.000	5.98	1.68	167.6	0.0059749	0.9996
24	PFHxDA	813.1 > 768.6	3.05e3	2.785	2.785	1.000	6.21	3.01	300.8	0.0053757	0.9991
25	PFODA	913.1 > 868.8	1.40e3	1.274	1.274	1.000	6.44	0.930	93.0	0.0039763	0.9790
26	13C3-PFBA	216.1 > 171.8	4.03e4	51.429	1.029	1.000	2.28	49.5	99.0	0.0142136	2.99
27	13C3-PFPeA	266 > 221.8	3.94e4	48.269	0.965	1.000	3.30	49.5	98.9	0.0099298	4.78

150508G1\_2 Smooth(Mn.1x2)  
PFC CS0 15E0810 ST150508G1-2 PFC CS0 15E0810



150508G1\_2 Smooth(Mn.1x2)  
PFC CS0 15E0810 ST150508G1-2 PFC CS0 15E0810

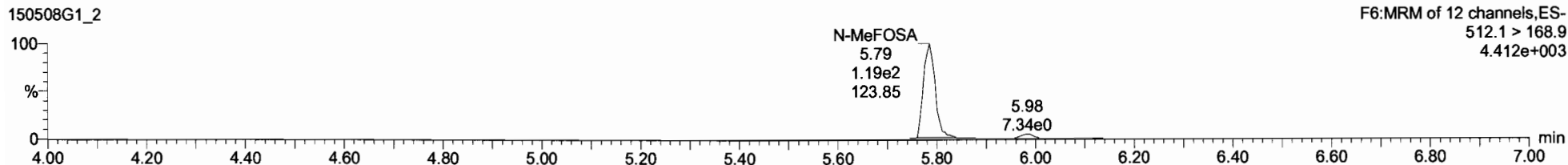


Dataset: Untitled

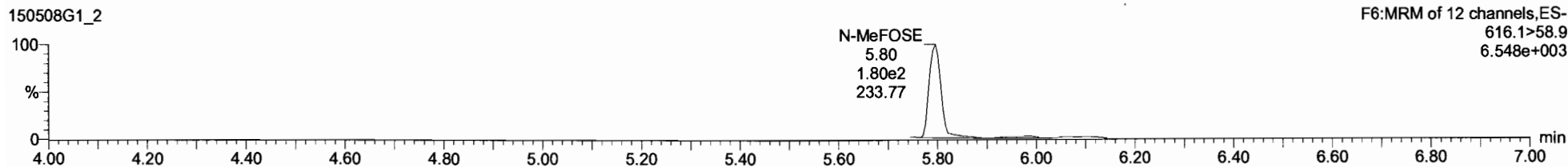
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

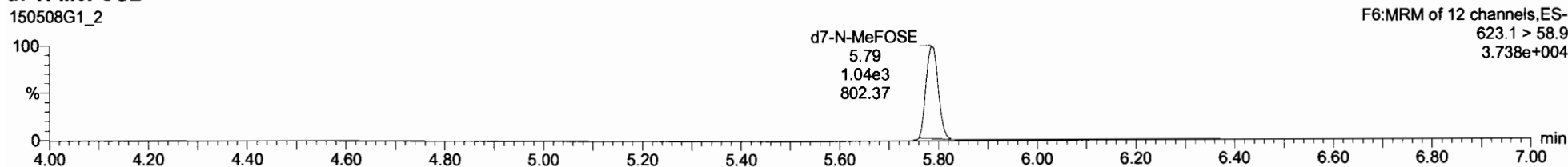
**N-MeFOSA**



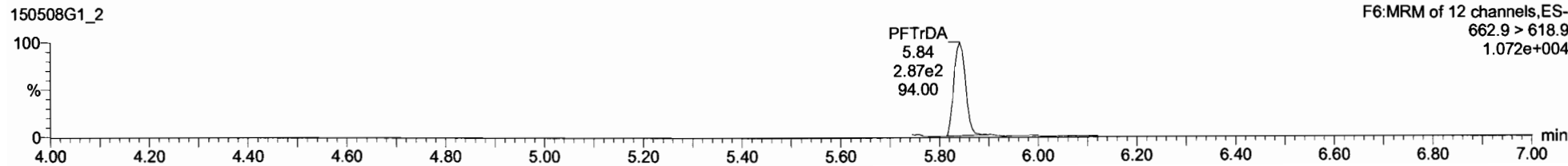
**N-MeFOSE**



**d7-N-MeFOSE**



**PFTrDA**







150508G1\_2 - ST150508G1-2 PFC CS0 15E0810 - PFC CS0 15E0810

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	7.90e1	0.124	0.124	1.000	5.50	1.61	161.5	0.0434835	0.9999
16	PFUdA	563 > 518.9	6.68e2	1.734	1.734	1.000	5.51	1.68	168.3	0.0071909	0.9999
17	PFDaA	612.9 > 568.8	2.03e2	0.895	0.895	1.000	5.68	1.04	104.0	0.0085858	0.9998
18	N-MeFOFA	512.1 > 168.9	1.16e2	5.597	0.560	1.000	5.79	102	1017.0	79.6462497	0.9373
19	N-MeFOSE	616.1 > 58.9	1.80e2	8.711	0.871	1.000	5.80	12.0	120.4	0.1301402	0.9997
20	PFTrDA	662.9 > 618.9	2.87e2	0.745	0.745	1.000	5.84	31.3	3134.8	27.9665755	0.9955
21	N-EtFOSE	630.1 > 58.9	2.62e2	12.027	1.203	1.000	5.91	10.9	109.2	0.1010611	0.9999
22	N-EtFOFA	526.1 > 168.9	2.42e2	10.363	1.036	1.000	5.91	9.70	97.0	0.0588097	0.9991
23	PFTeDA	712.9 > 668.8	8.92e2	1.483	1.483	1.000	5.98	1.68	167.5	0.0059749	0.9996
24	PFHxDA	813.1 > 768.6	3.05e3	2.785	2.785	1.000	6.21	3.01	300.8	0.0053757	0.9991
25	PFOFA	913.1 > 868.8	1.40e3	1.274	1.274	1.000	6.44	0.930	93.0	0.0039763	0.9790
26	13C3-PFBA	216.1 > 171.8	4.03e4	51.429	1.029	1.000	2.28	49.5	99.0	0.0142136	2.99
27	13C3-PFPeA	266 > 221.8	3.94e4	48.269	0.965	1.000	3.30	49.5	98.9	0.0099298	4.78

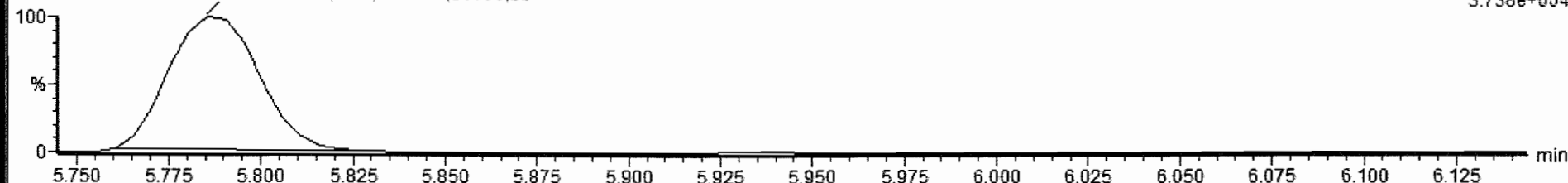
150508G1\_2 Smooth(Mn,1x2)  
PFC CS0 15E0810 ST150508G1-2 PFC CS0 15E0810

F6:MRM of 12 channels,ES-  
512.1 > 168.9  
4.412e+003



150508G1\_2 Smooth(Mn,1x2)  
PFC CS0 15E0810 ST150508G1-2 PFC CS0 15E0810

F6:MRM of 12 channels,ES-  
623.1 > 58.9  
3.738e+004





150508G1\_2 - ST150508G1-2 PFC CS0 15E0810 - PFC CS0 15E0810

Name	Trace	Area	Response	RRF	WtVol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	7.90e1	0.124	0.124	1.000	5.50	1.61	161.5	0.0434835	0.9999
16	PFUDa	563 > 518.9	6.68e2	1.734	1.734	1.000	5.51	1.68	168.3	0.0071909	0.9999
17	PFDaA	612.9 > 568.8	2.03e2	0.895	0.895	1.000	5.68	1.04	104.0	0.0085858	0.9998
18	N-MeFOSe	512.1 > 168.9	1.16e2	5.414	0.541	1.000	5.79	101	1011.0	79.6388085	0.9373
19	N-MeFOSE	616.1 > 58.9	1.70e2	7.964	0.796	1.000	5.80	11.0	110.1	0.1281667	0.9997
20	PFTrDA	662.9 > 618.9	2.87e2	0.745	0.745	1.000	5.84	31.3	3134.8	27.9665755	0.9955
21	N-EtFOSE	630.1 > 58.9	2.62e2	12.027	1.203	1.000	5.91	10.9	109.2	0.1010611	0.9999
22	N-EtFOSe	526.1 > 168.9	2.42e2	10.363	1.036	1.000	5.91	9.70	97.0	0.0588097	0.9991
23	PFTeDA	712.9 > 668.8	8.92e2	1.483	1.483	1.000	5.98	1.68	167.6	0.0059749	0.9996
24	PFHxDA	813.1 > 768.6	3.05e3	2.785	2.785	1.000	6.21	3.01	300.8	0.0053757	0.9991
25	PFODA	913.1 > 868.8	1.40e3	1.274	1.274	1.000	6.44	0.930	93.0	0.0039763	0.9790
26	13C3-PFBA	216.1 > 171.8	4.03e4	51.429	1.029	1.000	2.28	49.5	99.0	0.0142136	2.99
27	13C3-PFPeA	266 > 221.8	3.94e4	48.269	0.965	1.000	3.30	49.5	98.9	0.0099298	4.78

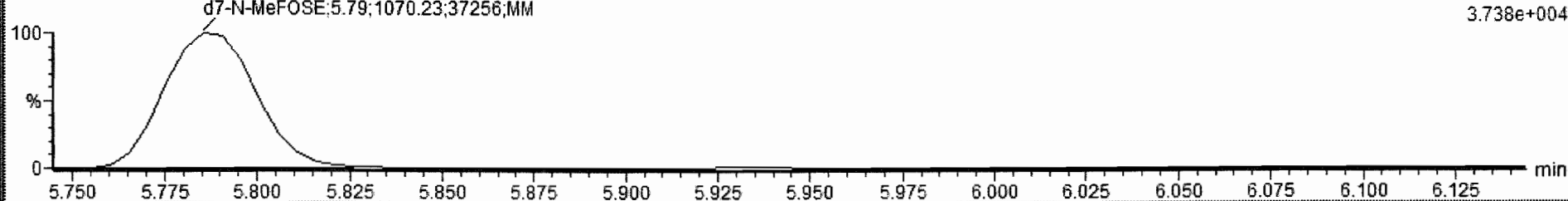
150508G1\_2 Smooth(Mn,1x2)  
PFC CS0 15E0810 ST150508G1-2 PFC CS0 15E0810

F6:MRM of 12 channels,ES-  
616.1>58.9  
6.548e+003



150508G1\_2 Smooth(Mn,1x2)  
PFC CS0 15E0810 ST150508G1-2 PFC CS0 15E0810

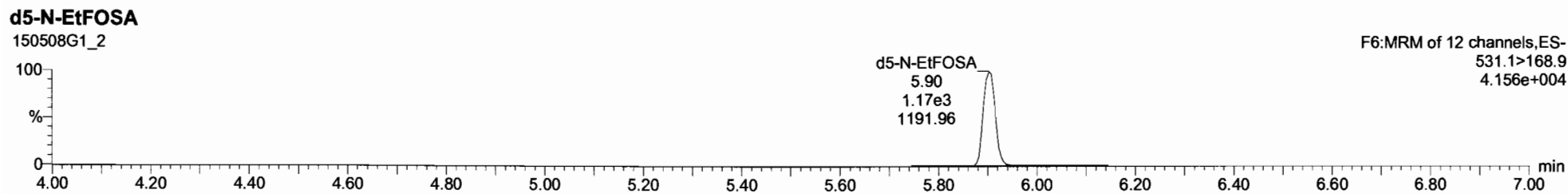
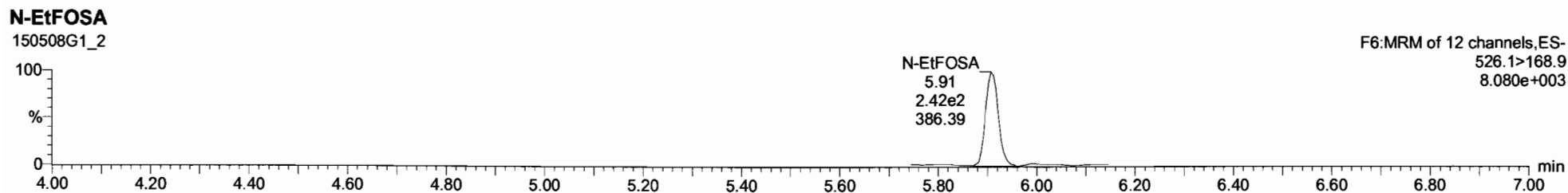
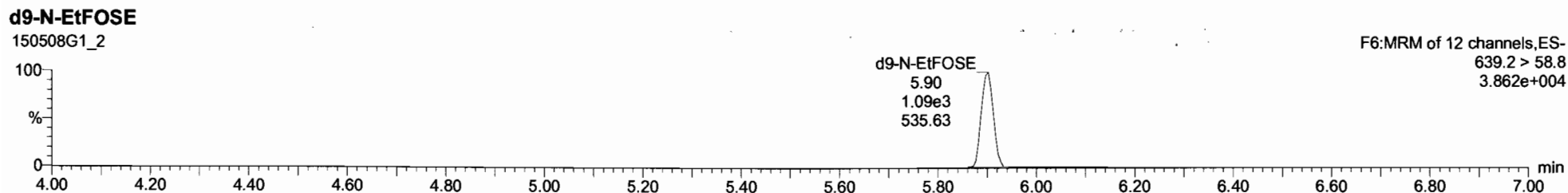
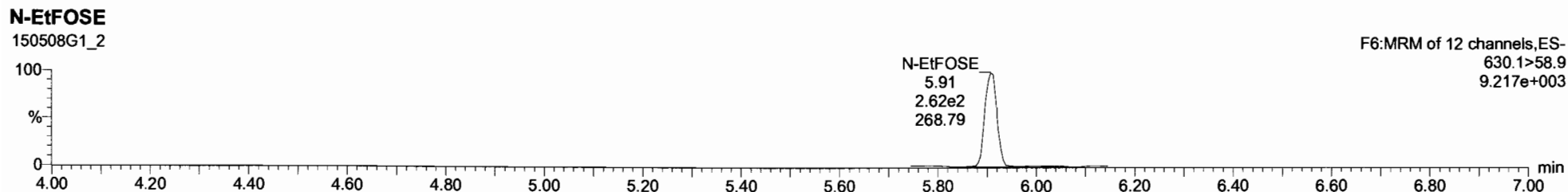
F6:MRM of 12 channels,ES-  
623.1 > 58.9  
3.738e+004



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

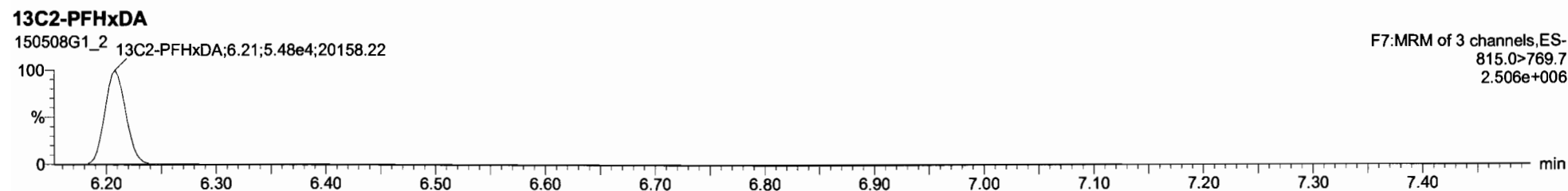
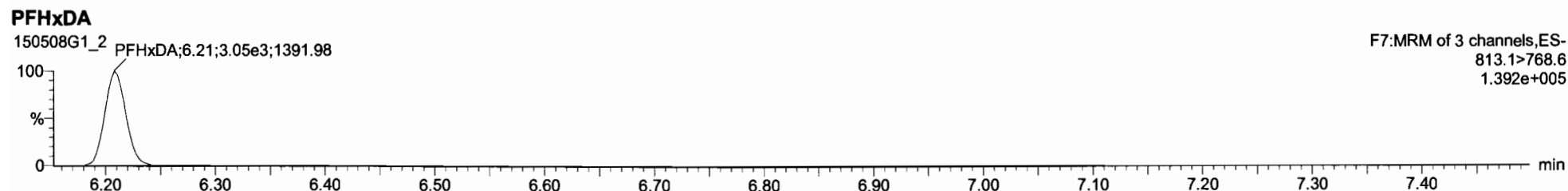
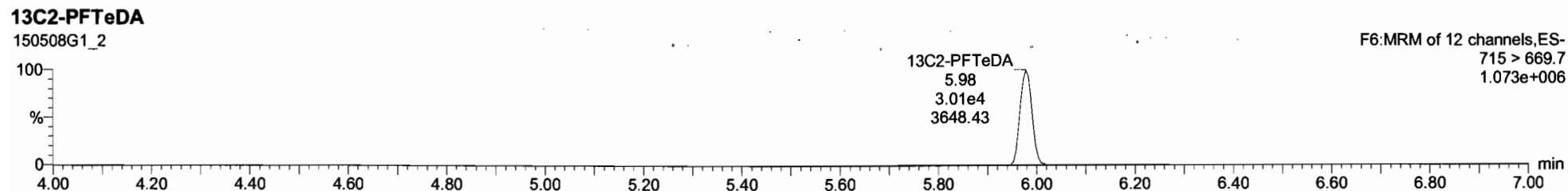
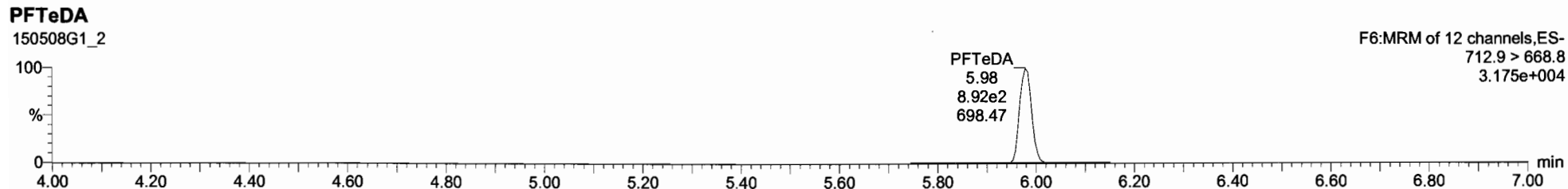


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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810



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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

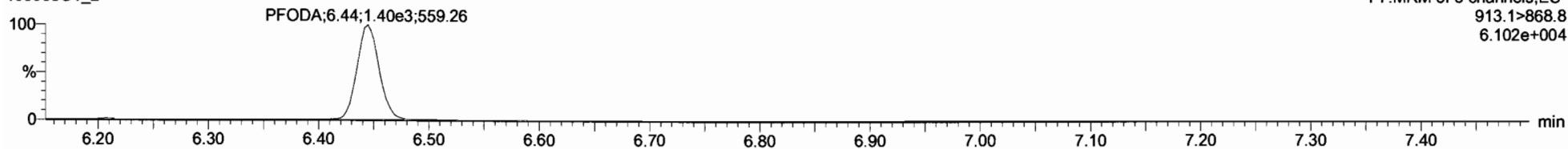
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

**PFODA**

150508G1\_2

F7:MRM of 3 channels,ES-  
913.1>868.8  
6.102e+004



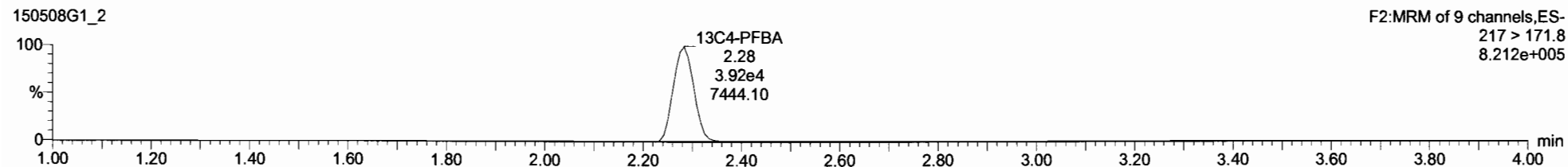
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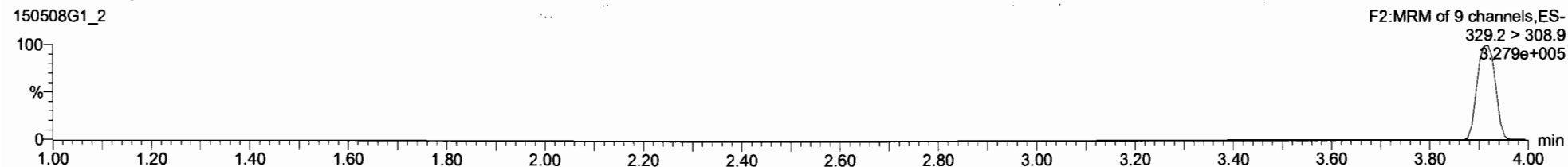
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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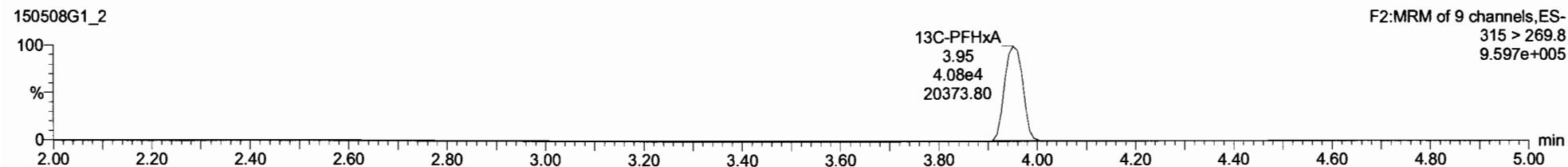
**13C4-PFBA**



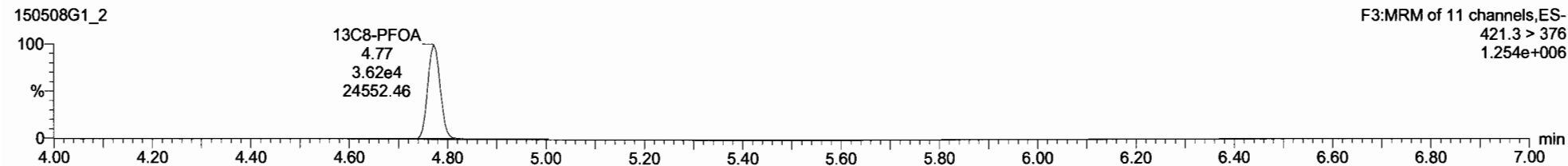
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**

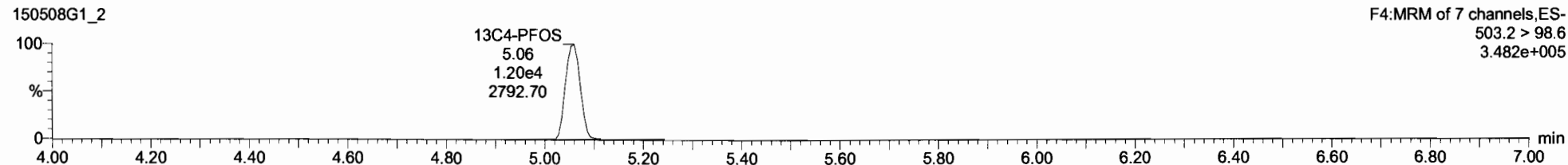


Dataset: Untitled

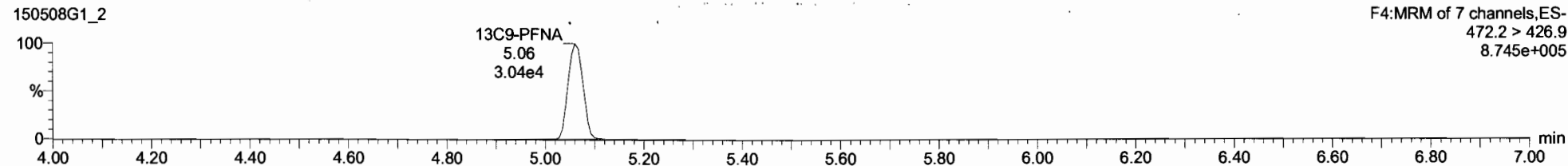
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

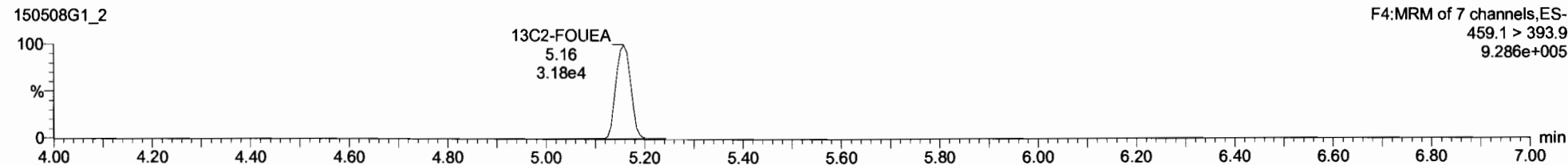
**13C4-PFOS**



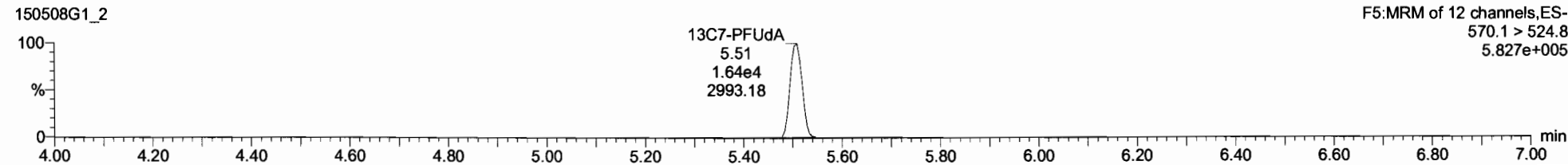
**13C9-PFNA**



**13C2-FOUEA**



**13C7-PFUdA**



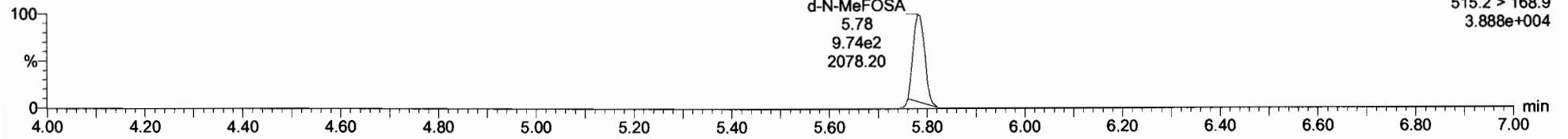
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_2, Date: 08-May-2015, Time: 15:58:17, ID: ST150508G1-2 PFC CS0 15E0810, Description: PFC CS0 15E0810

**d-N-MeFOSA**

150508G1\_2

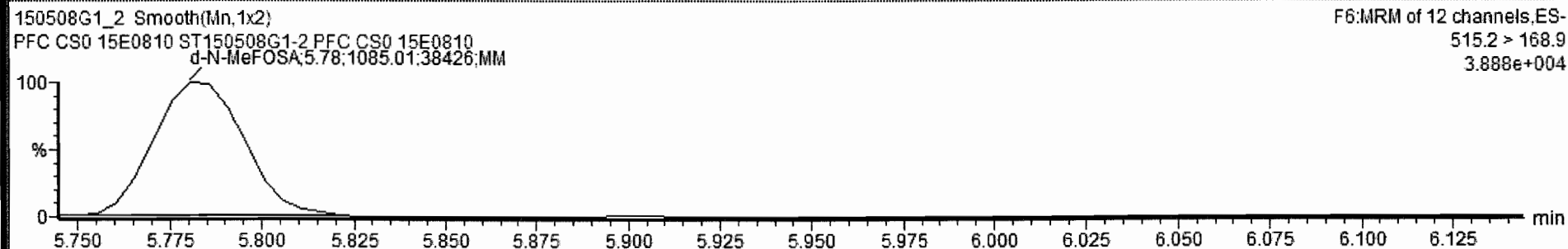
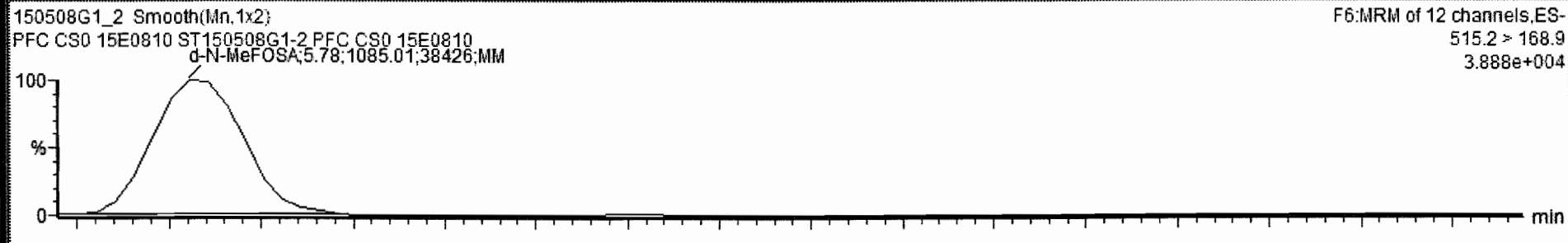






150508G1\_2 - ST150508G1-2 PFC CS0 15E0810 - PFC CS0 15E0810

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
44	13C4-PFBA	217 > 171.8	3.92e4	50.000	1.000	1.000	2.28	50.0	100.0	0.0167918	0.000000...	
45	13C2-4:2 FTS	329.2 > 308.9	1.39e4	50.000	1.000	1.000	3.92	50.0	100.0	0.0111283	0.000000...	
46	13C-PFHxA	315 > 269.8	4.08e4	50.000	1.000	1.000	3.95	50.0	100.0	0.0061353	0.000	
47	13C8-PFOA	421.3 > 376	3.62e4	50.000	1.000	1.000	4.77	50.0	100.0	0.0050911	0.000	
48	13C4-PFOS	503.2 > 98.6	1.20e4	50.000	1.000	1.000	5.06	50.0	100.0	0.0447595	0.000000...	
49	13C2-FOUEA	459.1 > 393.9	3.18e4	50.000	1.000	1.000	5.16	50.0	100.0	0.0000000	0.000	
50	13C9-PFNA	472.2 > 426.9	3.04e4	50.000	1.000	1.000	5.06	50.0	100.0	0.0000000	0.000	
51	13C7-PFUDa	570.1 > 524.8	1.64e4	50.000	1.000	1.000	5.51	50.0	100.0	0.0417617	0.000000...	
52	d-N-MeFOSA	515.2 > 168.9	1.09e3		0.000	1.000	5.78					
53	Total PFBS	299 > 79.7	4.79e2			1.000		0.951				
54	Total PFHxS	398.9 > 79.6	5.72e2			1.000		1.28				
55	Total PFHpS	449 > 98.7	1.66e2			1.000		0.811				
56	Total PFOS	499 > 98.7	2.11e2			1.000		0.901				



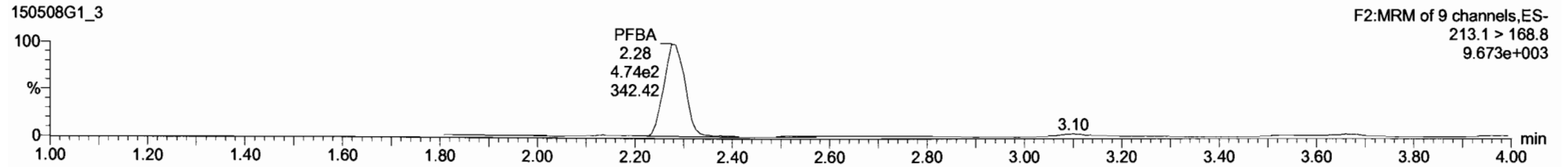
Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

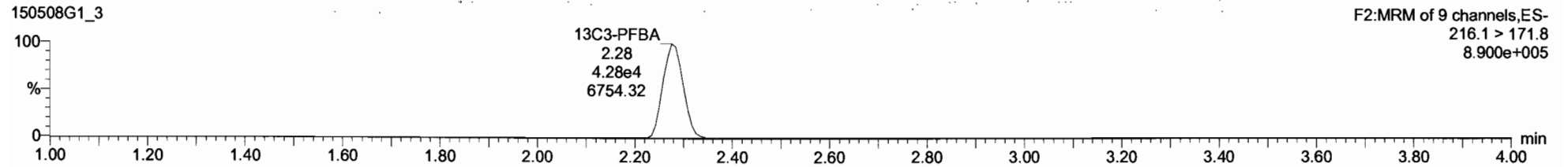
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

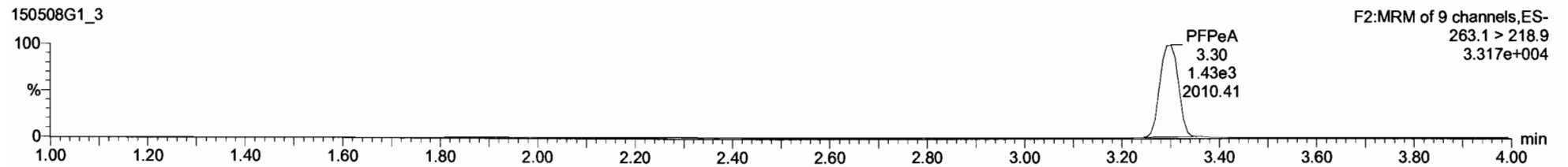
**PFBA**



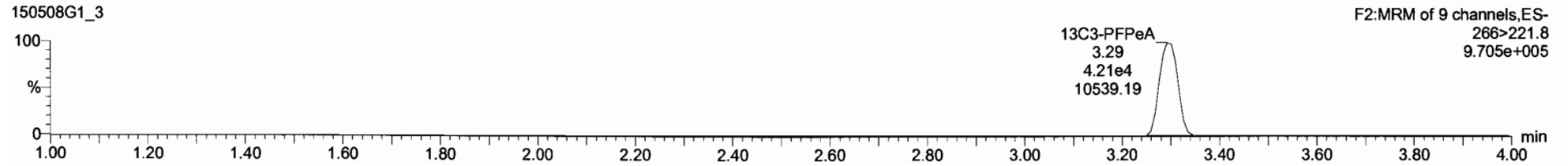
**13C3-PFBA**



**PFPeA**



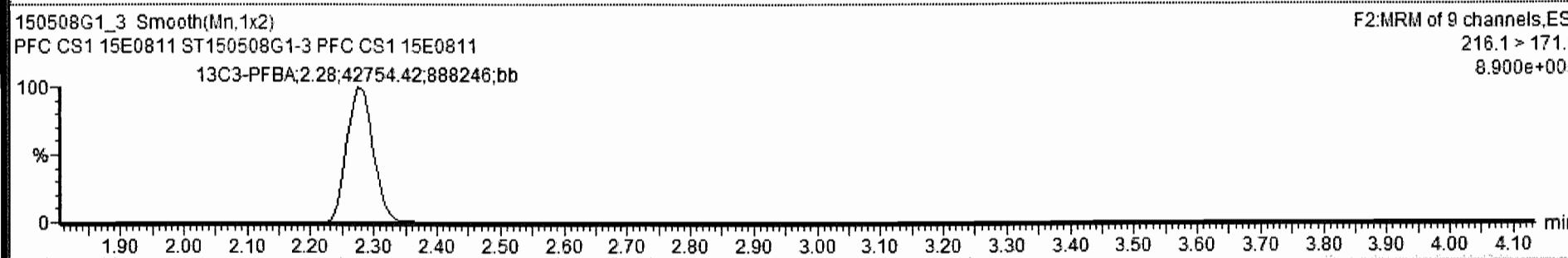
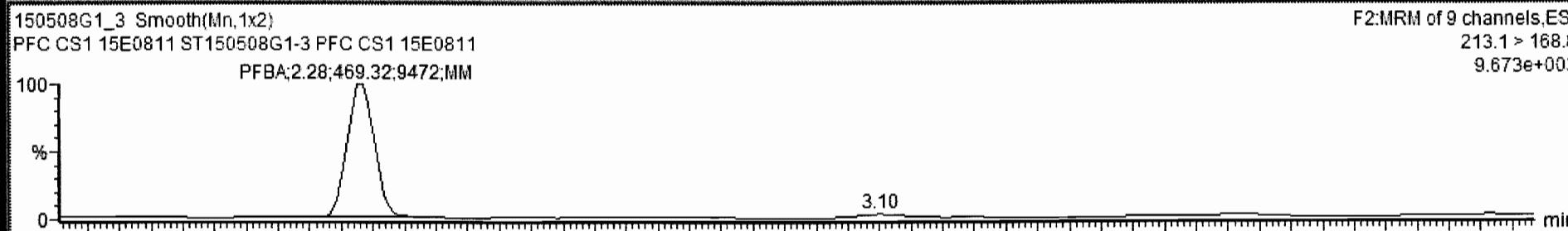
**13C3-PFPeA**





150508G1\_3 - ST150508G1-3 PFC CS1 15E0811 - PFC CS1 15E0811

Name	Trace	Area	Response	RRF	Wt/VoL	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	4.69e2	0.549	0.274	1.000	2.28	2.03	101.3	0.0144155	0.9996
2	PFPeA	263.1 > 218.9	1.43e3	1.702	0.851	1.000	3.30	2.01	100.4	0.0024828	0.9997
3	PFBS	299 > 79.7	1.23e3	3.511	1.756	1.000	3.45	2.37	118.7	0.0058303	0.9983
4	PFHxA	313.2 > 268.9	1.75e3	2.223	1.111	1.000	3.95	1.84	91.8	0.0014440	0.9995
5	PFHpA	363 > 318.9	1.80e3	2.283	1.142	1.000	4.42	1.78	89.2	0.0054406	0.9998
6	PFHxS	398.9 > 79.6	9.66e2	2.768	1.384	1.000	4.44	2.11	105.3	0.0141797	0.9998
7	6:2 FTS	427.1 > 407	2.12e2	0.932	0.466	1.000	4.77	1.89	94.6	0.0261460	0.9990
8	PFOA	413 > 368.7	1.60e3	1.809	0.904	1.000	4.77	1.90	95.2	0.0031641	0.9999
9	PFHpS	449 > 98.7	4.40e2	1.262	0.631	1.000	4.78	2.09	104.7	0.0158129	0.9989
10	PFOS	499 > 98.7	4.74e2	1.922	0.961	1.000	5.05	1.84	92.2	0.0261792	0.9999
11	PFNA	463 > 418.8	1.10e3	1.840	0.920	1.000	5.06	2.02	101.1	0.0000000	0.9995
12	PFDA	513 > 468.8	1.62e3	2.244	1.122	1.000	5.30	1.99	99.7	0.0118919	0.9999
13	8:2 FTS	527 > 506.9	4.76e2	1.792	0.896	1.000	5.32	1.86	93.1	0.0038115	0.9998

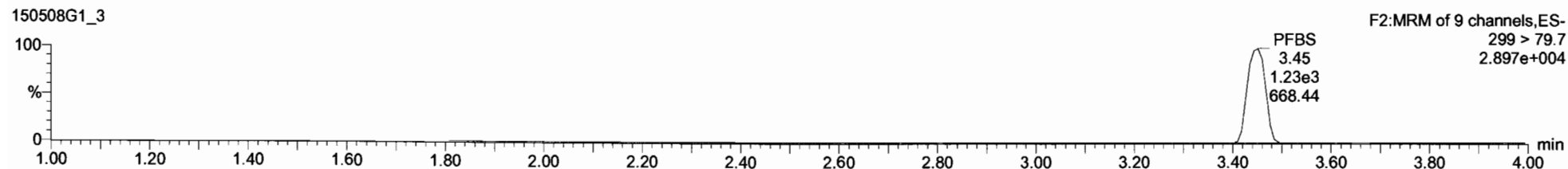


Dataset: Untitled

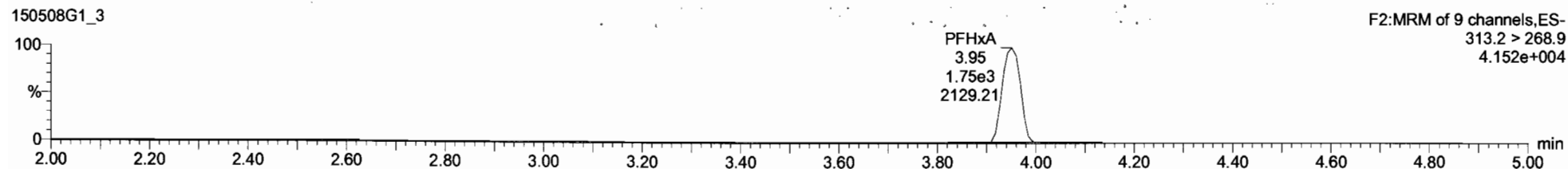
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

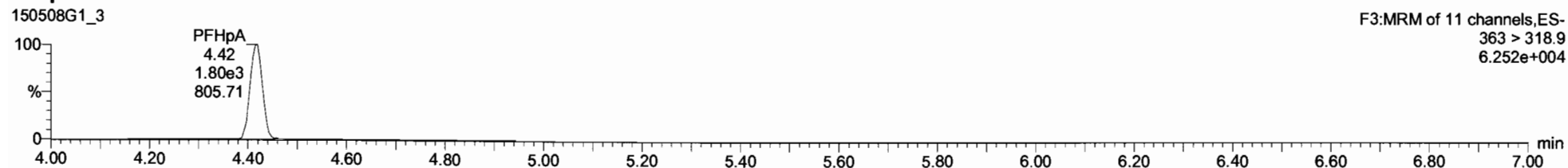
**PFBS**



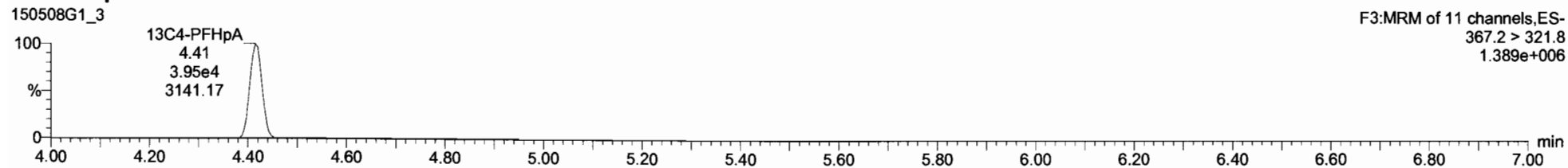
**PFHxA**



**PFHpA**



**13C4-PFHpA**



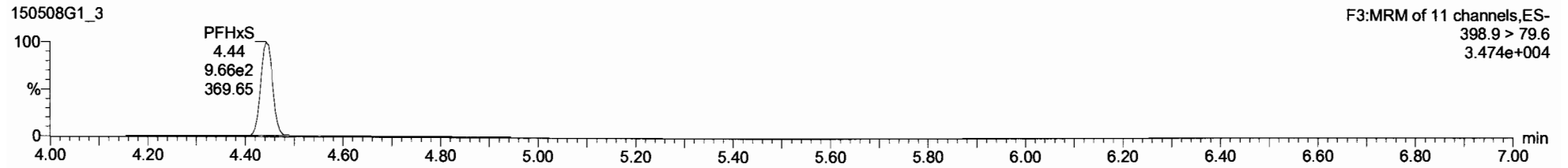
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

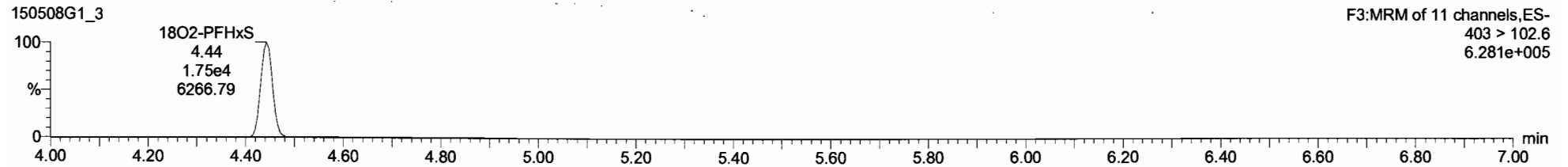
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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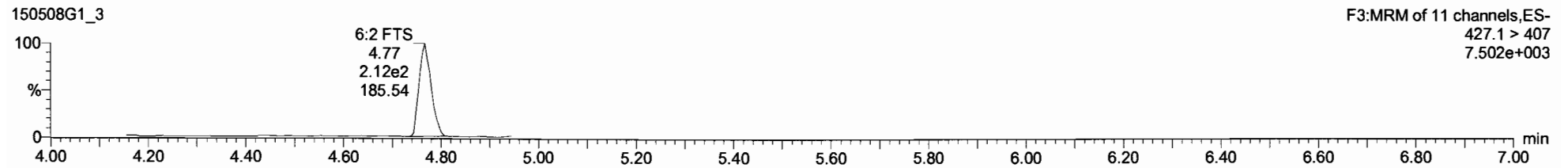
**PFHxS**



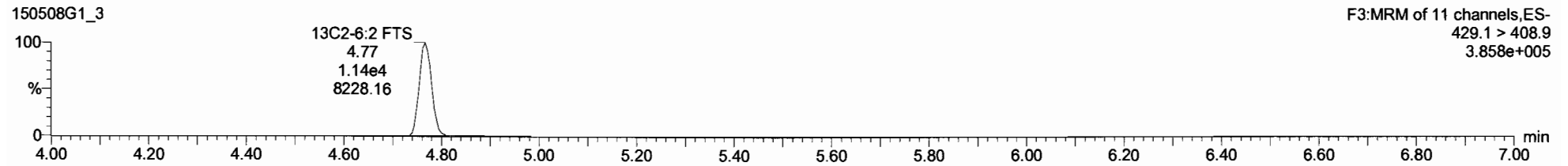
**18O2-PFHxS**



**6:2 FTS**



**13C2-6:2 FTS**

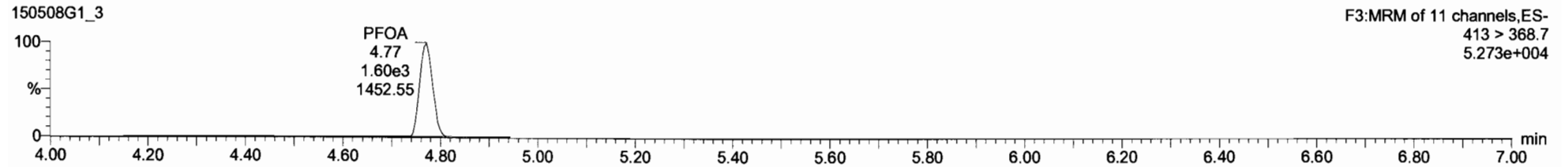


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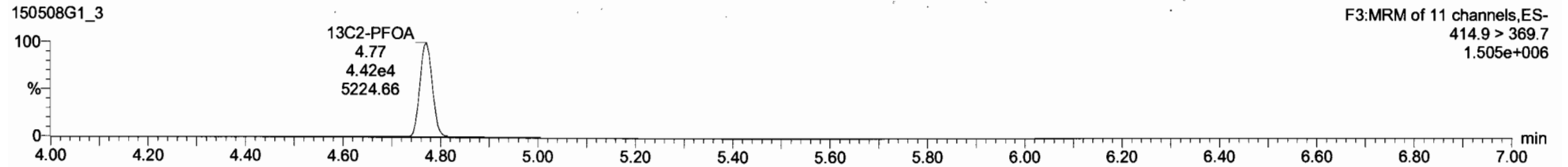
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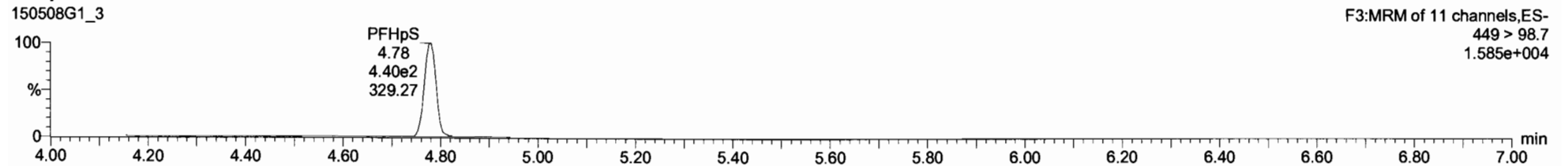
**PFOA**



**13C2-PFOA**



**PFHpS**



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

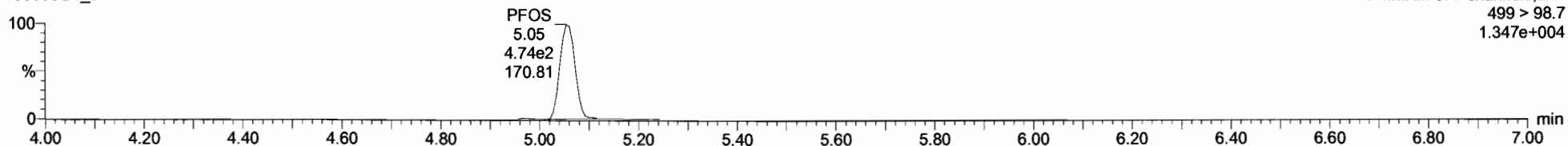
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Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

**PFOS**

150508G1\_3

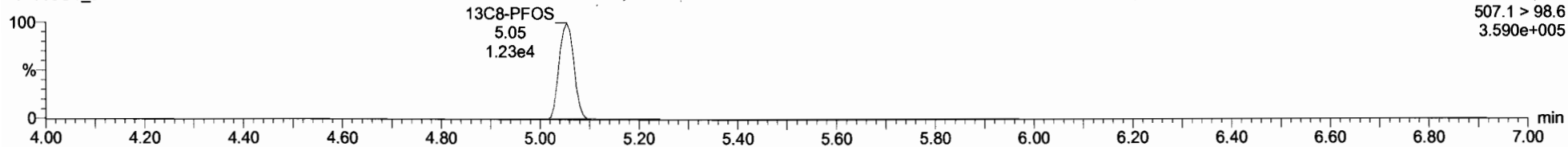
F4:MRM of 7 channels,ES-  
499 > 98.7  
1.347e+004



**13C8-PFOS**

150508G1\_3

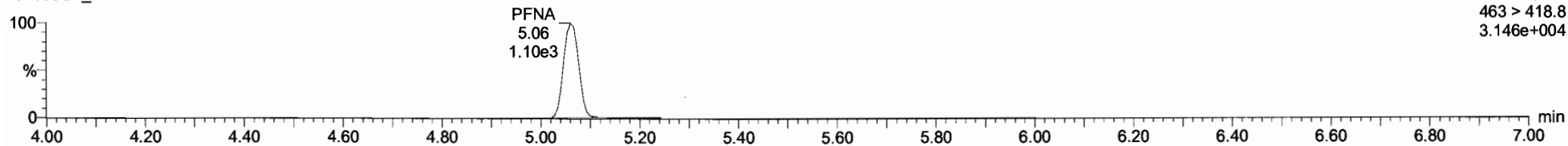
F4:MRM of 7 channels,ES-  
507.1 > 98.6  
3.590e+005



**PFNA**

150508G1\_3

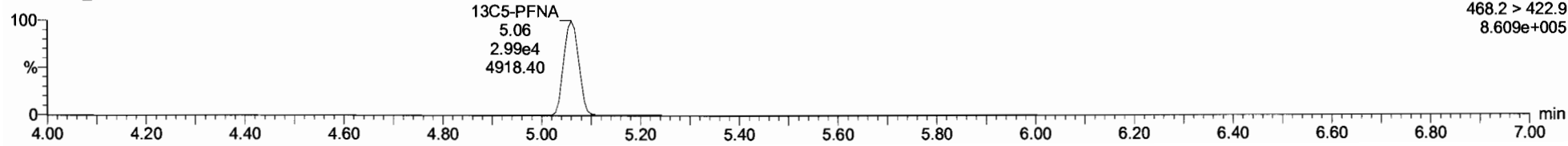
F4:MRM of 7 channels,ES-  
463 > 418.8  
3.146e+004



**13C5-PFNA**

150508G1\_3

F4:MRM of 7 channels,ES-  
468.2 > 422.9  
8.609e+005

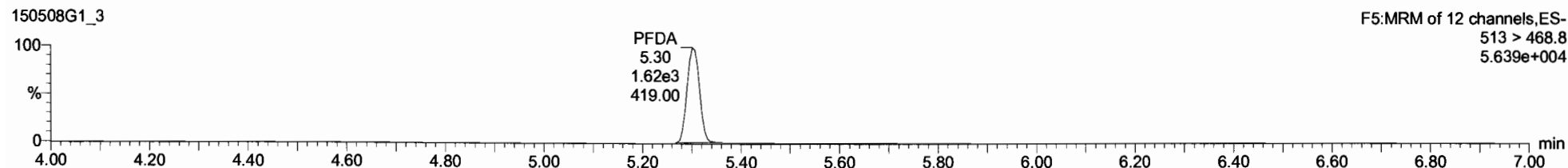


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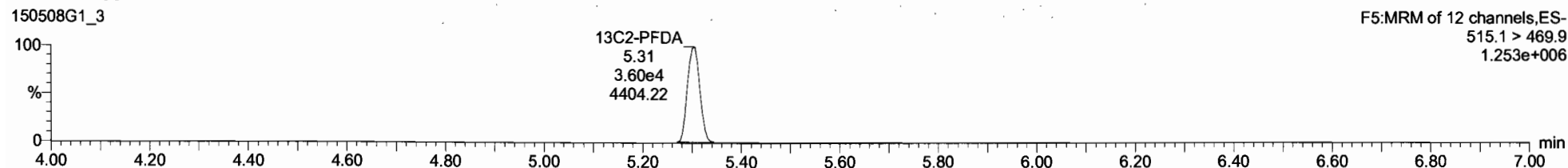
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

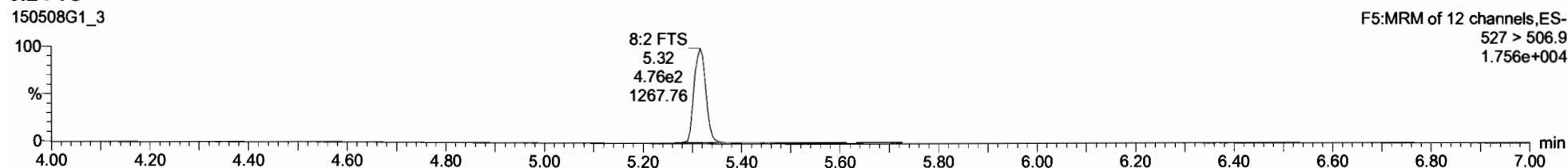
**PFDA**



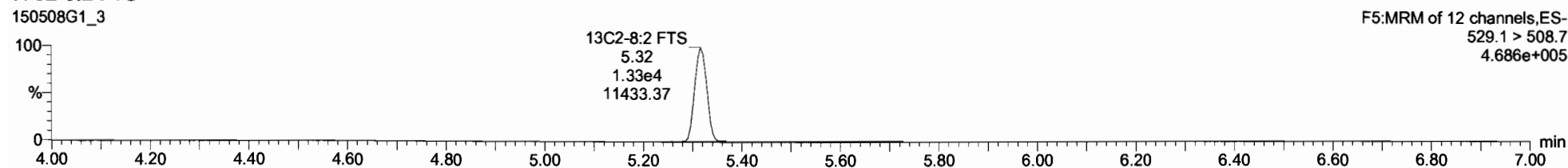
**13C2-PFDA**



**8:2 FTS**



**13C2-8:2 FTS**





Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

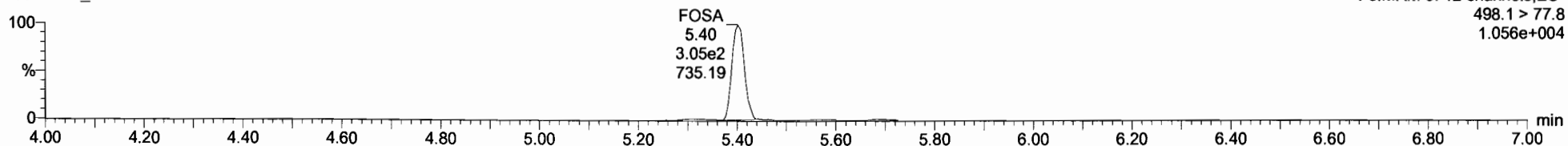
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

**FOSA**

150508G1\_3

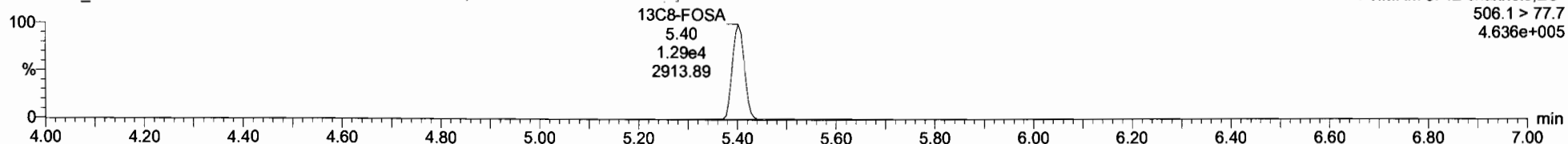
F5:MRM of 12 channels,ES-  
498.1 > 77.8  
1.056e+004



**13C8-FOSA**

150508G1\_3

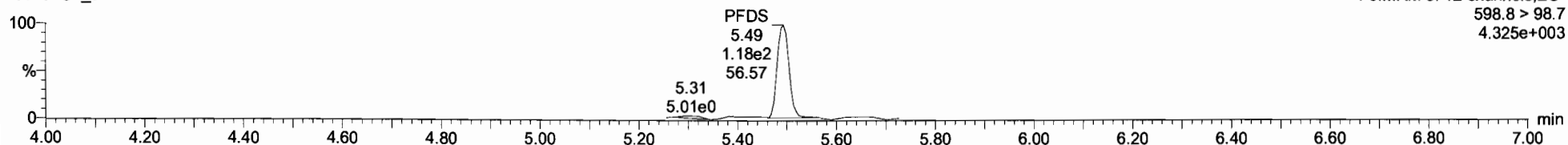
F5:MRM of 12 channels,ES-  
506.1 > 77.7  
4.636e+005



**PFDS**

150508G1\_3

F5:MRM of 12 channels,ES-  
598.8 > 98.7  
4.325e+003



Dataset: Untitled

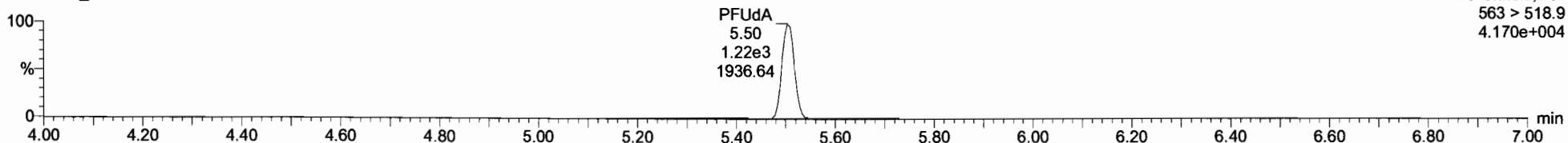
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

**PFUdA**

150508G1\_3

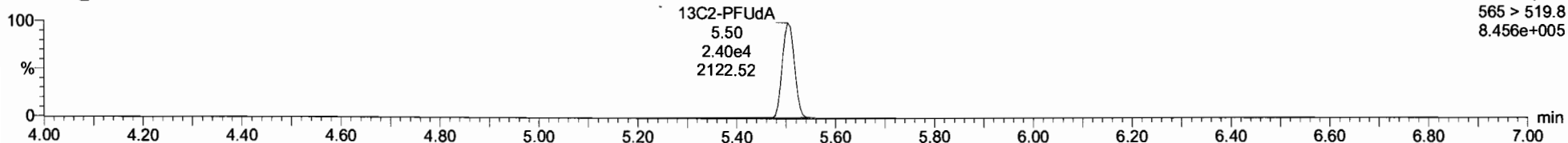
F5:MRM of 12 channels,ES-  
563 > 518.9  
4.170e+004



**13C2-PFUdA**

150508G1\_3

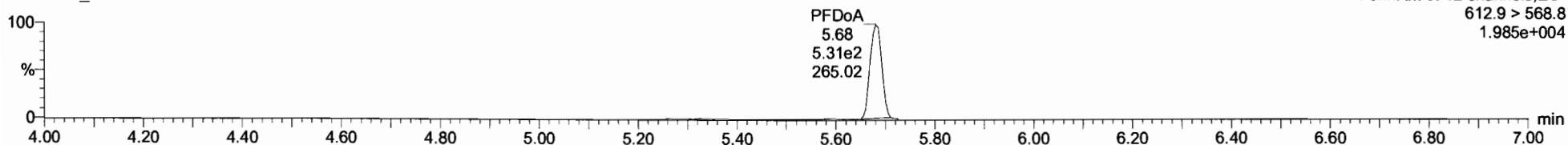
F5:MRM of 12 channels,ES-  
565 > 519.8  
8.456e+005



**PFDoA**

150508G1\_3

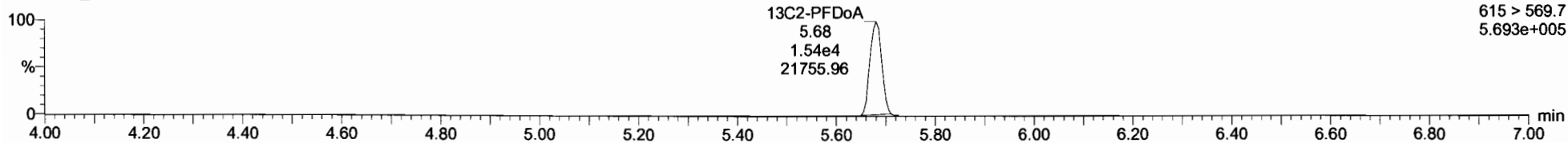
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612.9 > 568.8  
1.985e+004



**13C2-PFDoA**

150508G1\_3

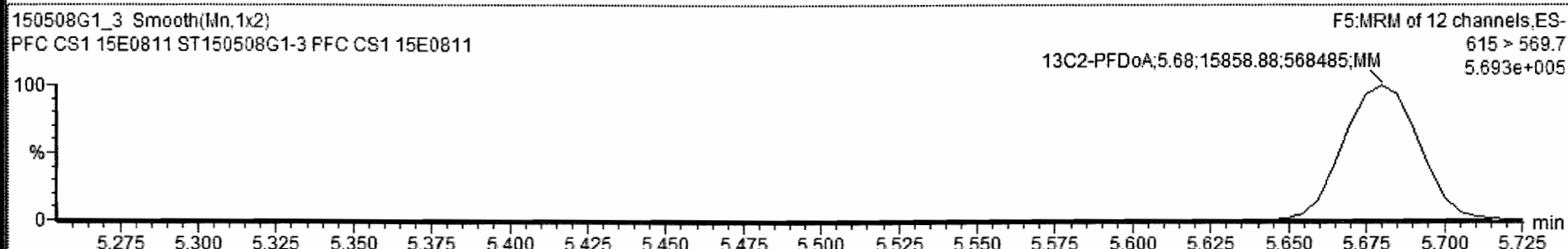
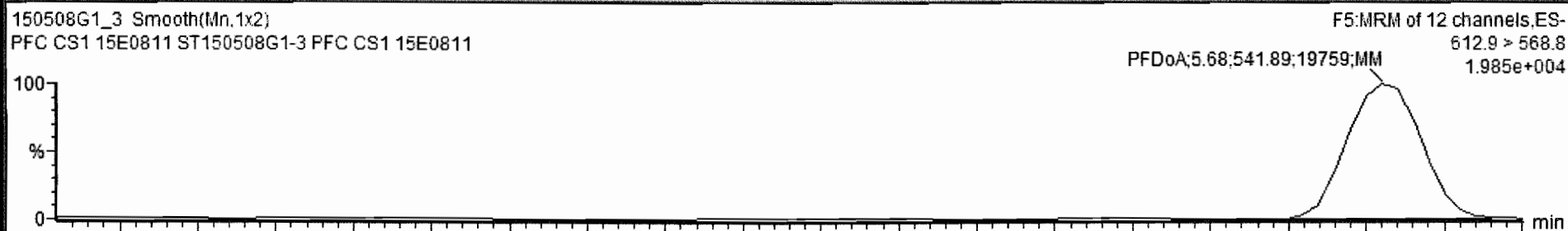
F5:MRM of 12 channels,ES-  
615 > 569.7  
5.693e+005





150508G1\_3 - ST150508G1-3 PFC CS1 15E0811 - PFC CS1 15E0811

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	1.18e2	0.164	0.082	1.000	5.49	2.12	106.1	0.0984610	0.9999
16	PFUdA	563 > 518.9	1.22e3	2.532	1.266	1.000	5.50	2.46	123.0	0.0030961	0.9999
17	PFDoA	612.9 > 568.8	5.42e2	1.708	0.854	1.000	5.68	1.98	99.2	0.0189175	0.9998
18	N-MeFOFA	512.1 > 168.9	5.95e2	17.963	0.898	1.000	5.78	134	670.9	79.6279525	0.9373
19	N-MeFOSE	616.1 > 58.9	6.80e2	20.533	1.027	1.000	5.79	28.2	140.8	0.0730950	0.9997
20	PFTrDA	662.9 > 618.9	7.22e2	1.503	0.752	1.000	5.84	34.3	1714.9	27.8728210	0.9955
21	N-EtFOSE	630.1 > 58.9	8.03e2	19.310	0.965	1.000	5.91	17.5	87.7	0.1061770	0.9999
22	N-EtFOFA	526.1 > 168.9	1.09e3	20.715	1.036	1.000	5.91	19.4	97.0	0.0609144	0.9991
23	PFTeDA	712.9 > 668.8	1.44e3	2.299	1.149	1.000	5.98	2.60	129.8	0.0126835	0.9996
24	PFHxDA	813.1 > 768.6	4.29e3	3.677	1.839	1.000	6.21	3.97	198.6	0.0042835	0.9991
25	PFODA	913.1 > 868.8	2.96e3	2.538	1.269	1.000	6.44	1.85	92.4	0.0059309	0.9790
26	13C3-PFBA	216.1 > 171.8	4.28e4	51.419	1.028	1.000	2.28	49.5	99.0	0.0183556	2.99
27	13C3-PFPeA	266 > 221.8	4.21e4	49.592	0.992	1.000	3.29	50.8	101.6	0.0118384	4.78

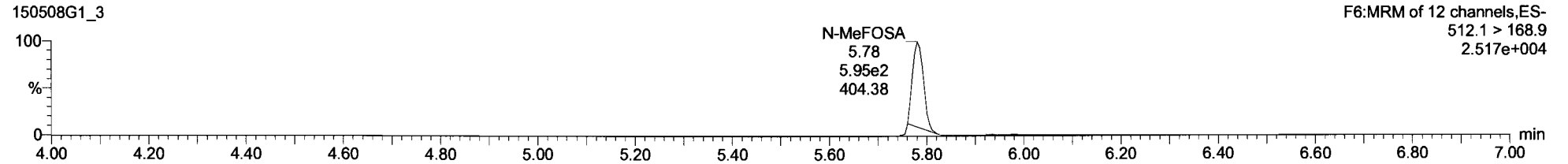


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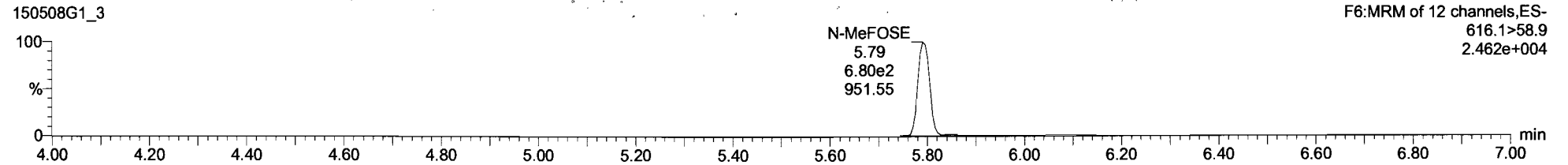
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

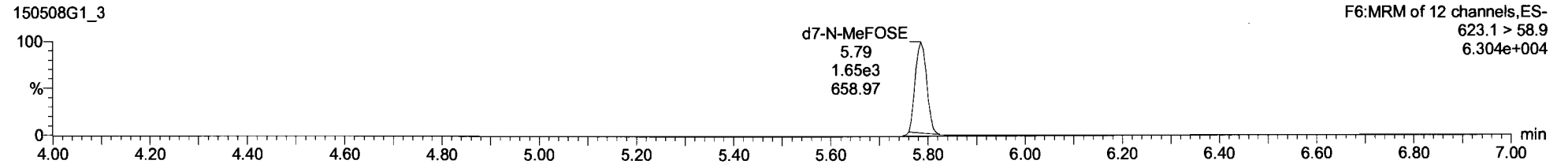
**N-MeFOSA**



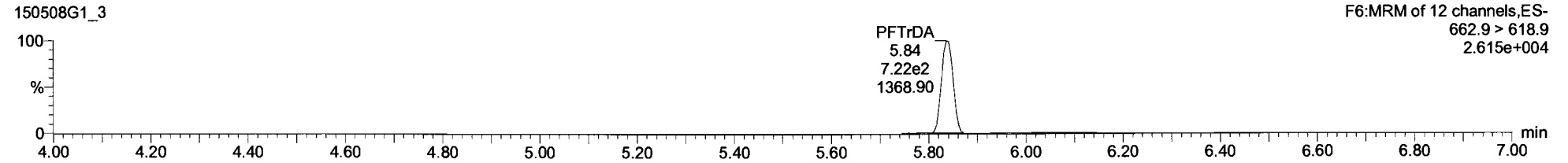
**N-MeFOSE**



**d7-N-MeFOSE**

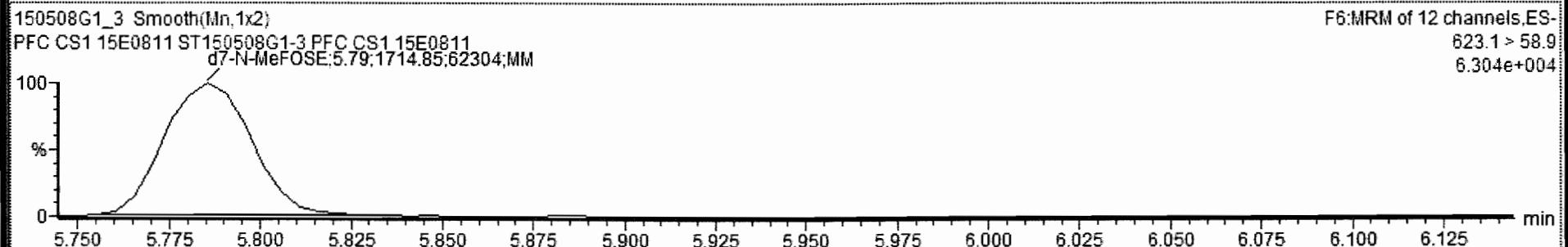


**PFTTrDA**



150508G1\_3 - ST150508G1-3 PFC CS1 15E0811 - PFC CS1 15E0811

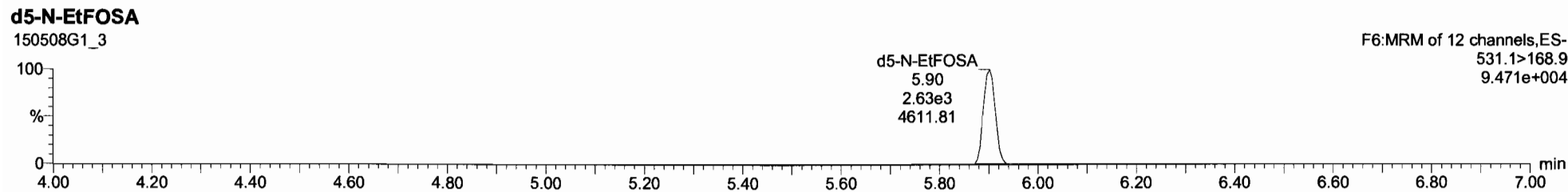
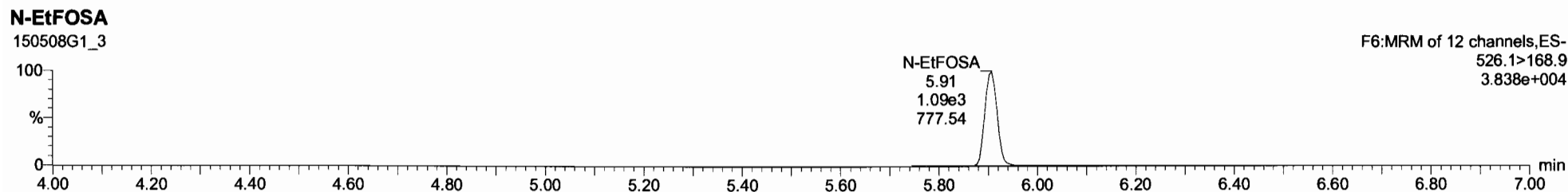
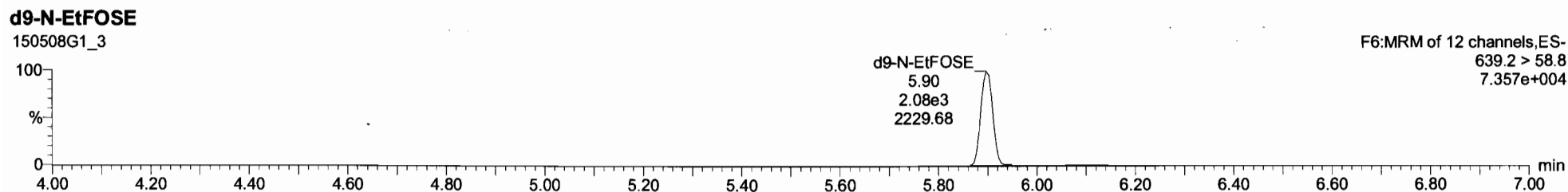
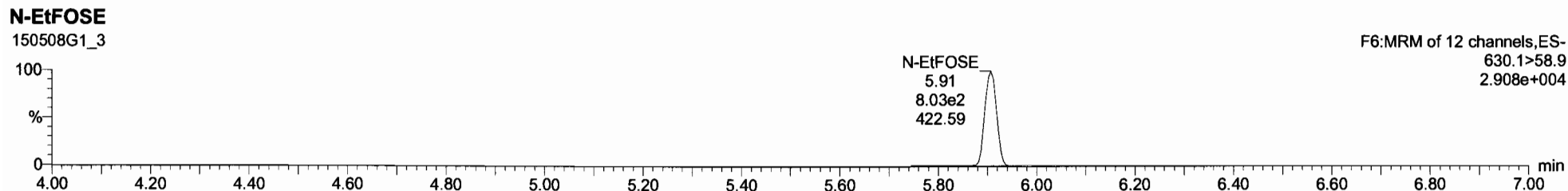
Name	Trace	Area	Response	RRF	Wt/VoL	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	1.18e2	0.164	0.082	1.000	5.49	2.12	106.1	0.0984610	0.9999
16	PFUdA	563 > 518.9	1.22e3	2.532	1.266	1.000	5.50	2.46	123.0	0.0030961	0.9999
17	PFDoA	612.9 > 568.8	5.42e2	1.708	0.854	1.000	5.68	1.98	99.2	0.0189175	0.9998
18	N-MeFOSA	512.1 > 168.9	6.98e2	20.339	1.017	1.000	5.78	139	695.9	79.5697188	0.9373
19	N-MeFOSE	616.1 > 58.9	6.80e2	19.814	0.991	1.000	5.79	27.2	135.9	0.0718622	0.9997
20	PFTrDA	662.9 > 618.9	7.22e2	1.503	0.752	1.000	5.84	34.3	1714.9	27.8728210	0.9955
21	N-EtFOSE	630.1 > 58.9	8.03e2	19.310	0.965	1.000	5.91	17.5	87.7	0.1061770	0.9999
22	N-EtFOSA	526.1 > 168.9	1.09e3	20.715	1.036	1.000	5.91	19.4	97.0	0.0609144	0.9991
23	PFTeDA	712.9 > 668.8	1.44e3	2.299	1.149	1.000	5.98	2.60	129.8	0.0126835	0.9996
24	PFHxDA	813.1 > 768.6	4.29e3	3.677	1.839	1.000	6.21	3.97	198.6	0.0042835	0.9991
25	PFODA	913.1 > 868.8	2.96e3	2.538	1.269	1.000	6.44	1.85	92.4	0.0059309	0.9790
26	13C3-PFBA	216.1 > 171.8	4.28e4	51.419	1.028	1.000	2.28	49.5	99.0	0.0183556	2.99
27	13C3-PFPeA	266 > 221.8	4.21e4	49.592	0.992	1.000	3.29	50.8	101.6	0.0118384	4.78



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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

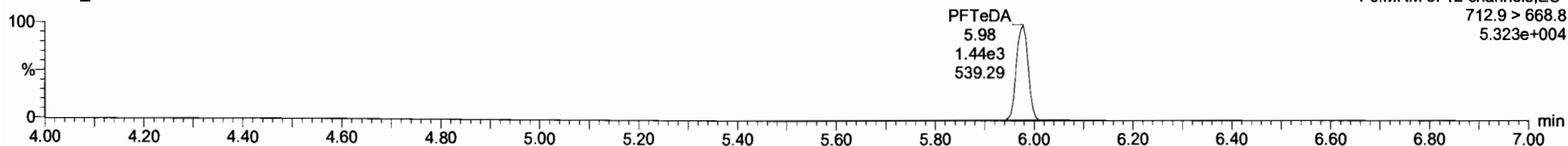
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

**PFTeDA**

150508G1\_3

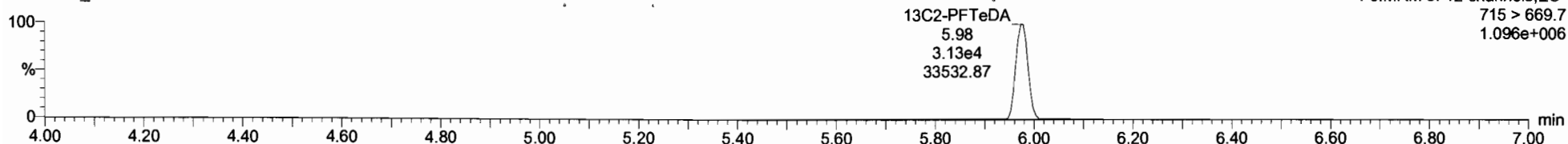
F6:MRM of 12 channels,ES-  
712.9 > 668.8  
5.323e+004



**13C2-PFTeDA**

150508G1\_3

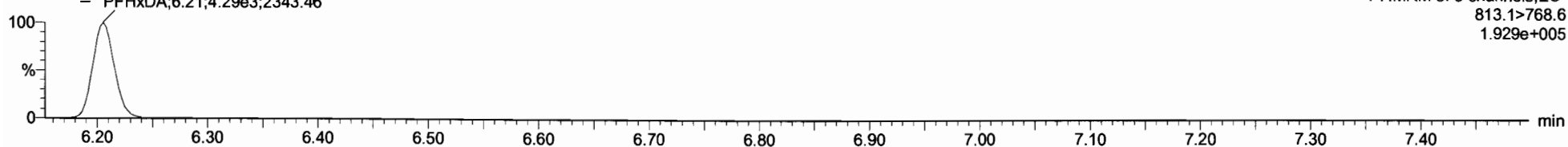
F6:MRM of 12 channels,ES-  
715 > 669.7  
1.096e+006



**PFHxDA**

150508G1\_3

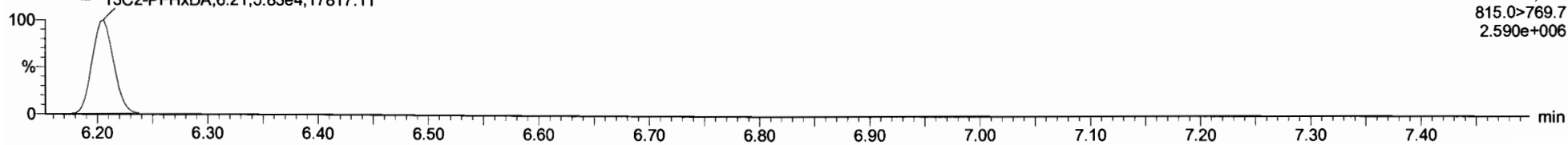
F7:MRM of 3 channels,ES-  
813.1>768.6  
1.929e+005



**13C2-PFHxDA**

150508G1\_3

F7:MRM of 3 channels,ES-  
815.0>769.7  
2.590e+006



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

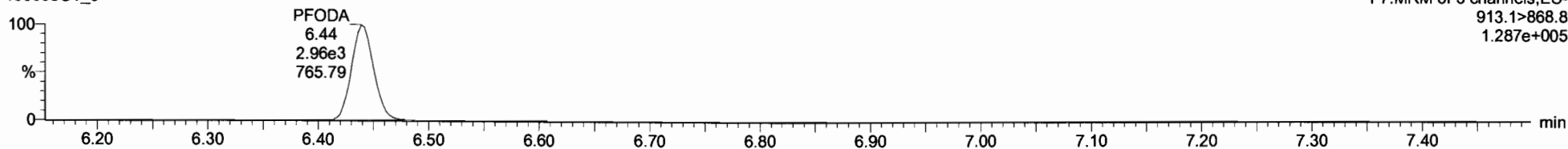
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Name: 150508G1\_3, Date: 08-May-2015, Time: 16:10:59, ID: ST150508G1-3 PFC CS1 15E0811, Description: PFC CS1 15E0811

**PFODA**

150508G1\_3

F7:MRM of 3 channels,ES-  
913.1>868.8  
1.287e+005



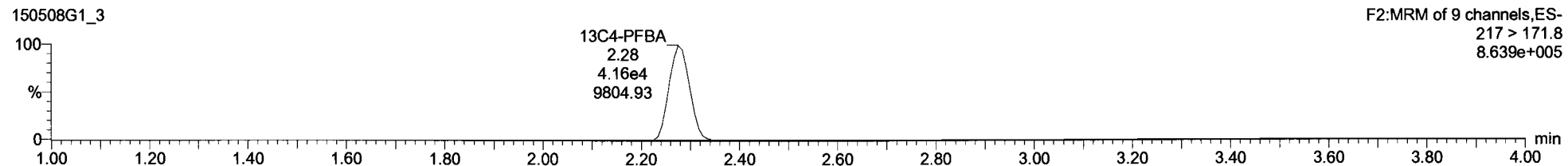


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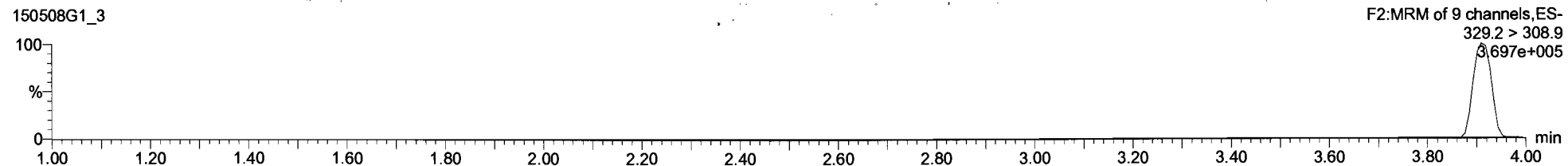
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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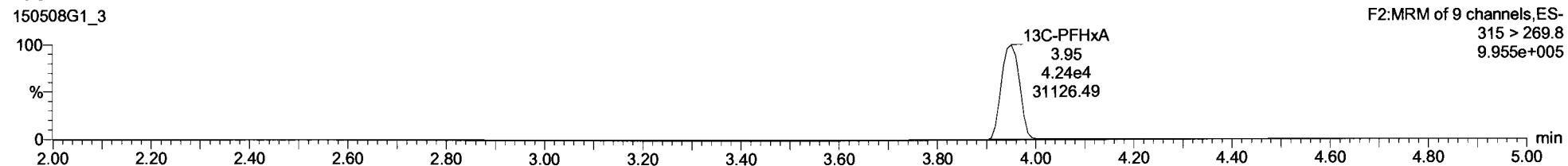
**13C4-PFBA**



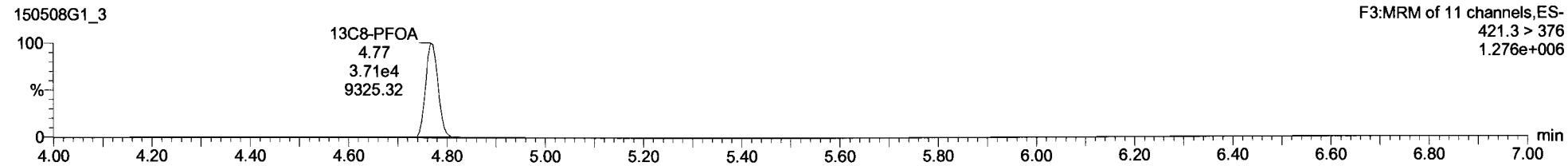
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**

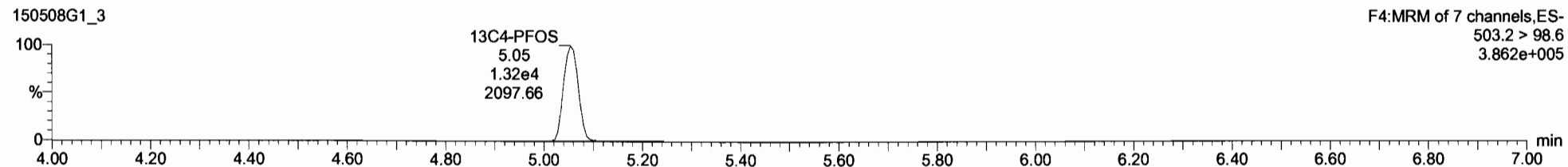


Dataset:        Untitled

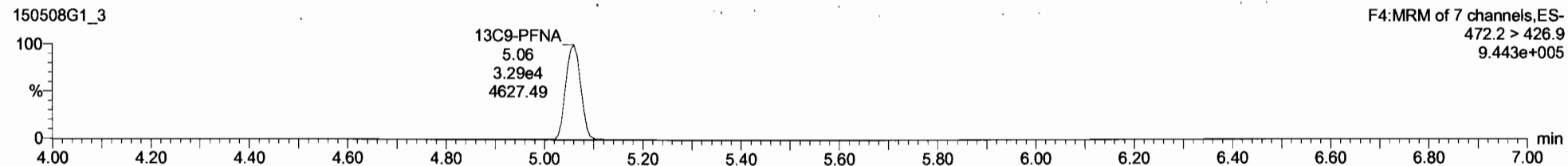
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Printed:         Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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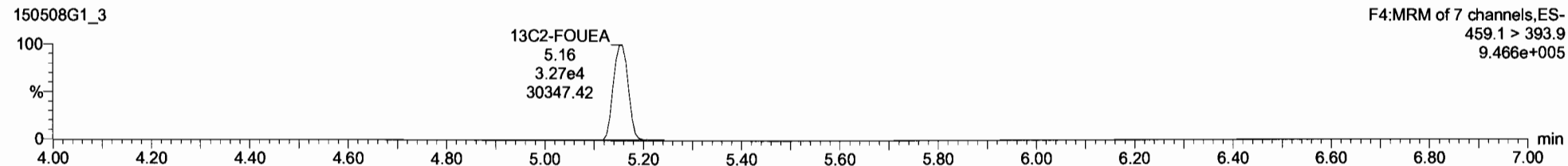
**13C4-PFOS**



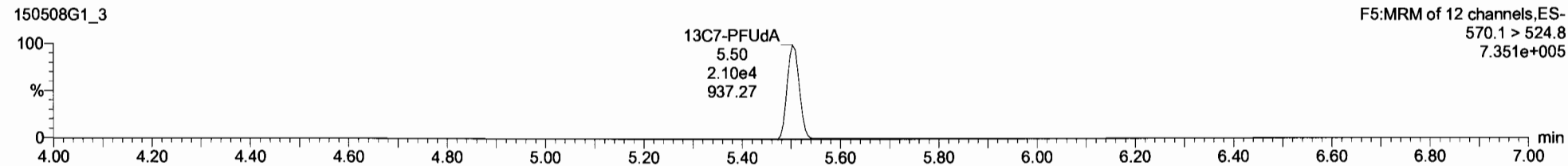
**13C9-PFNA**



**13C2-FOUEA**



**13C7-PFUdA**



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

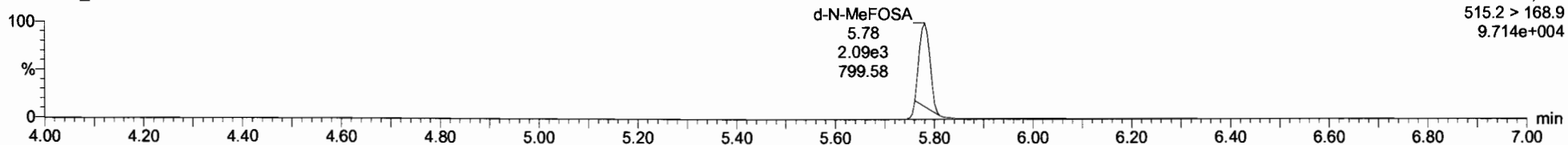
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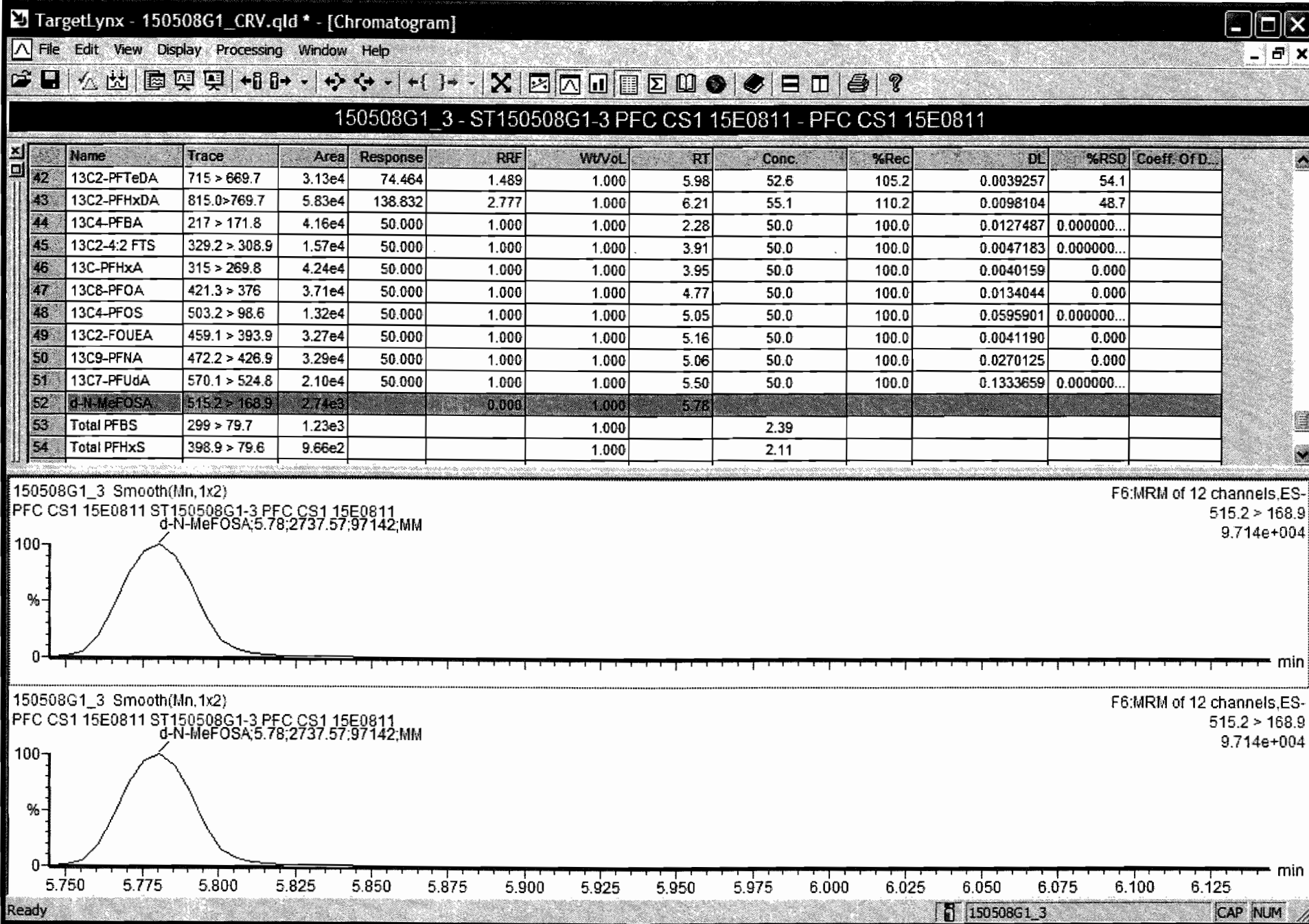
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**d-N-MeFOSA**

150508G1\_3

F6:MRM of 12 channels,ES-  
515.2 > 168.9  
9.714e+004



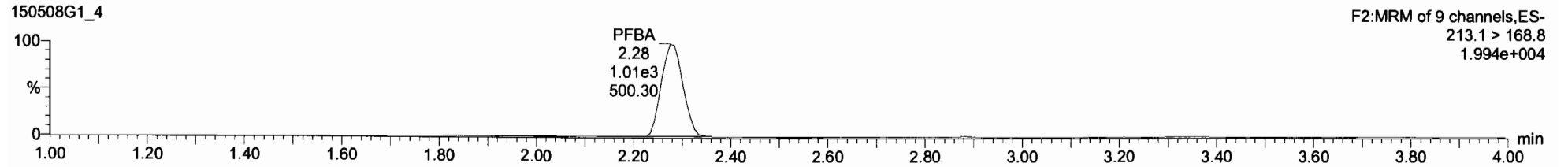


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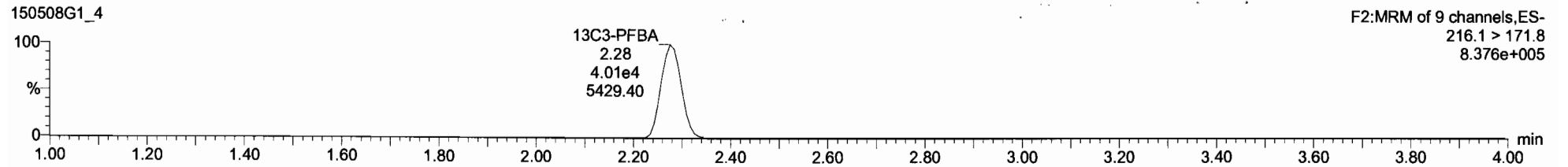
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
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Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

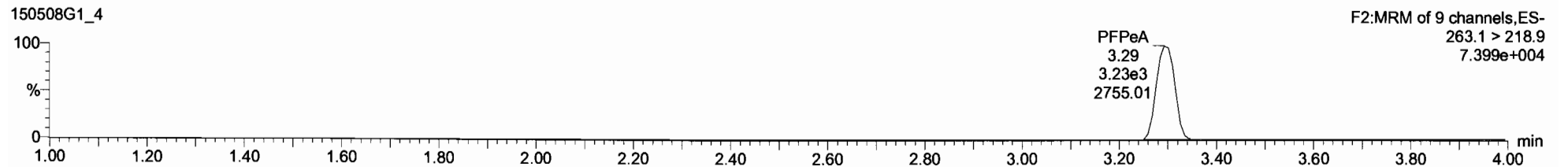
**PFBA**



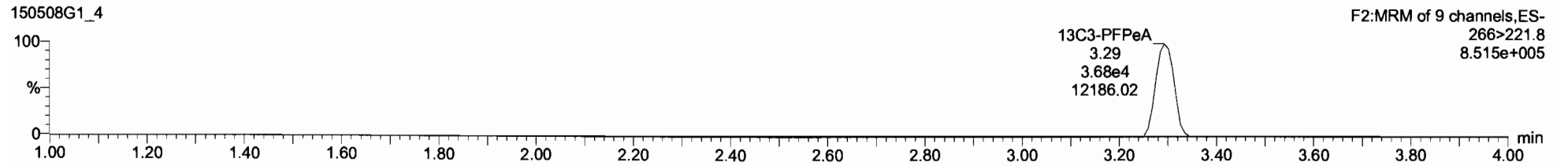
**13C3-PFBA**



**PFPeA**



**13C3-PFPeA**



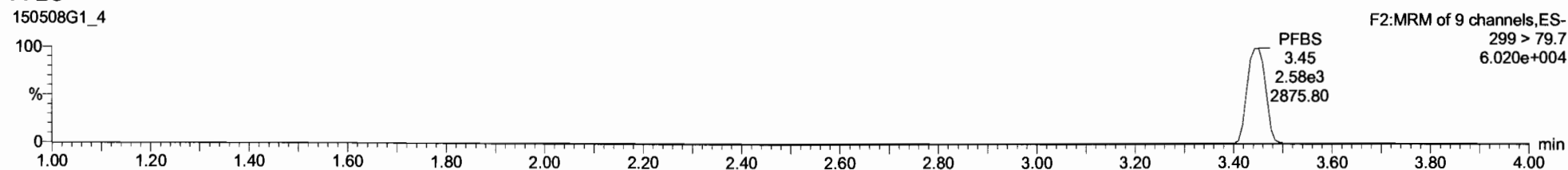
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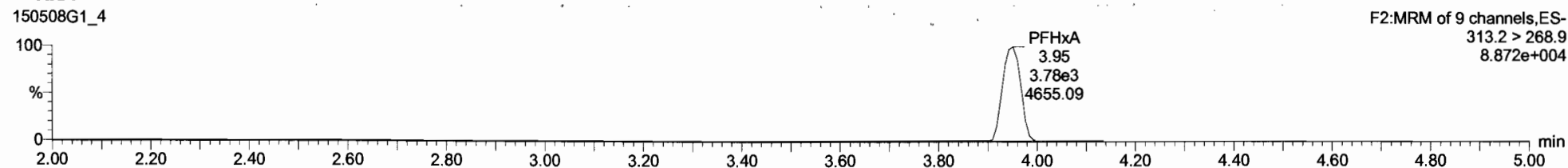
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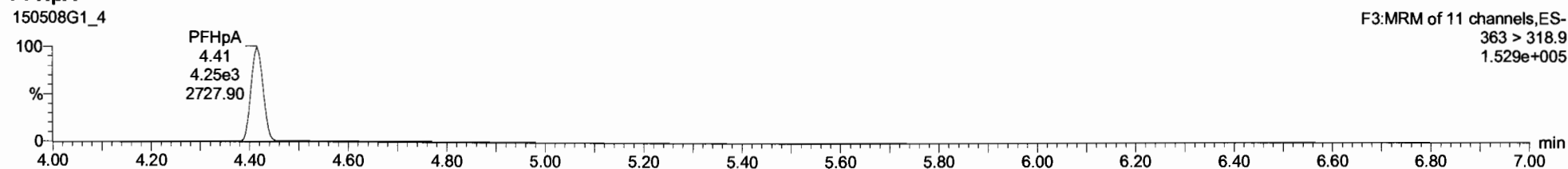
**PFBS**



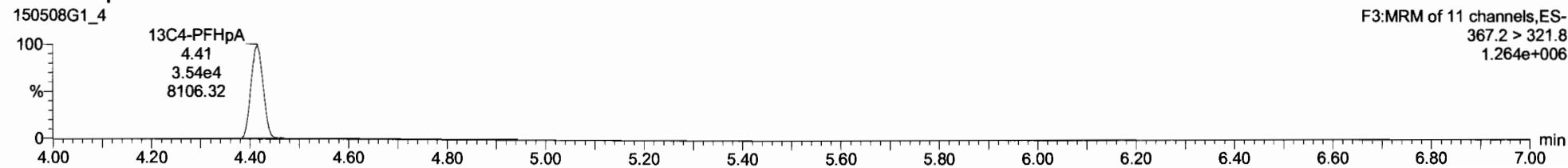
**PFHxA**



**PFHpA**



**<sup>13</sup>C4-PFHpA**



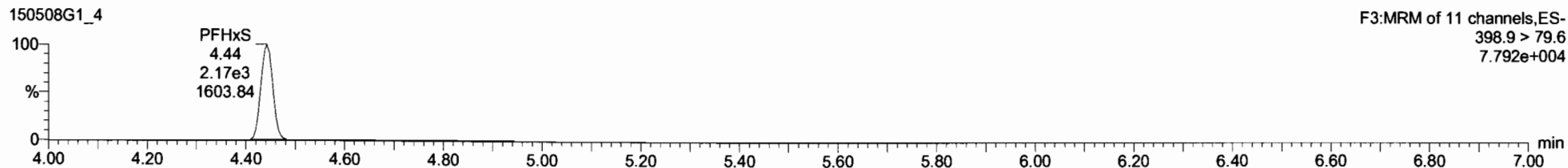
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

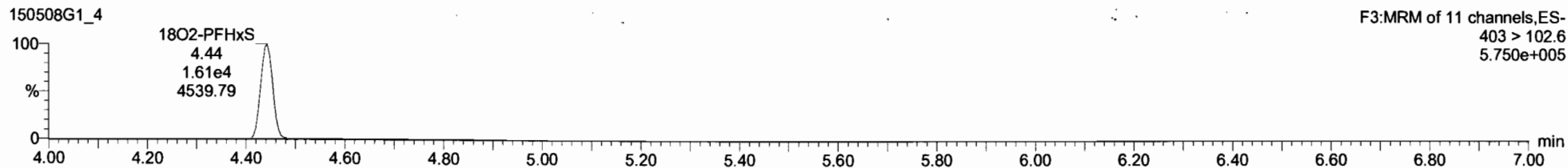
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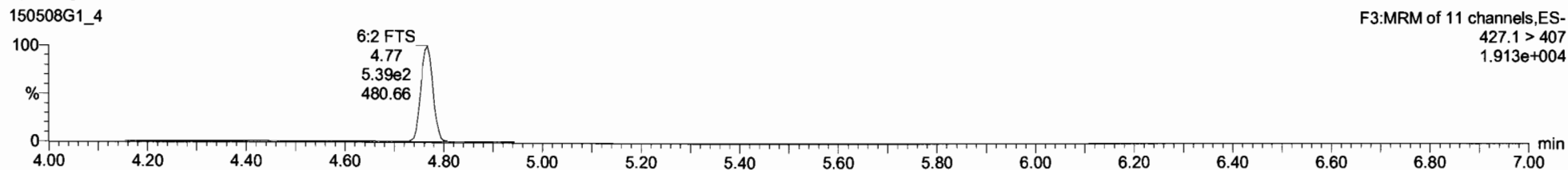
**PFHxS**



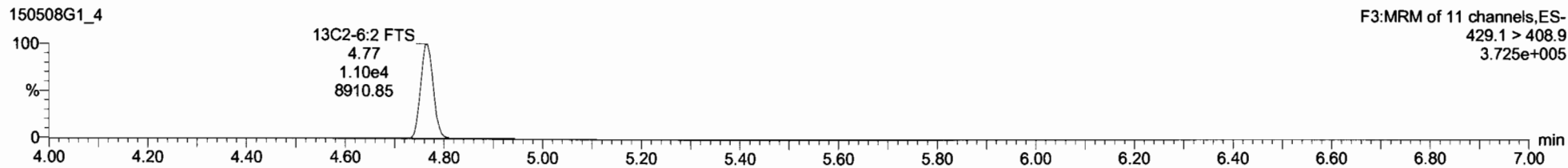
**18O2-PFHxS**



**6:2 FTS**



**13C2-6:2 FTS**



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

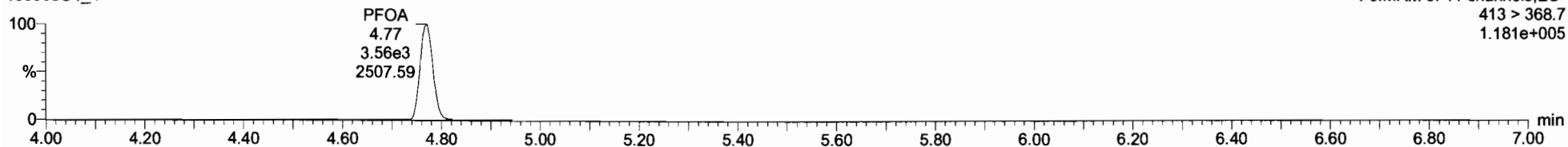
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Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

**PFOA**

150508G1\_4

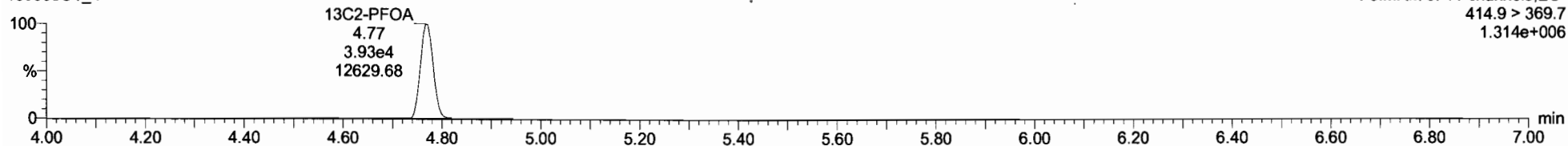
F3:MRM of 11 channels,ES-  
413 > 368.7  
1.181e+005



**13C2-PFOA**

150508G1\_4

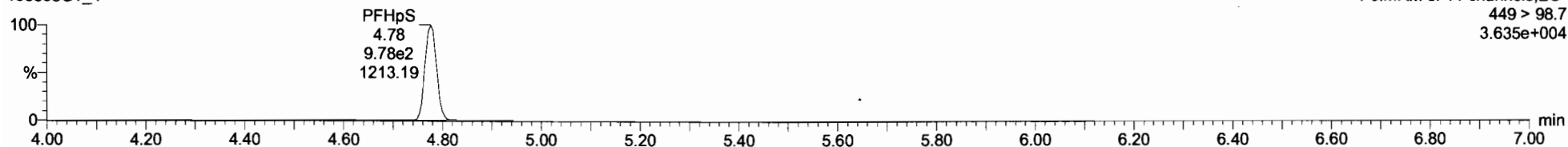
F3:MRM of 11 channels,ES-  
414.9 > 369.7  
1.314e+006



**PFHpS**

150508G1\_4

F3:MRM of 11 channels,ES-  
449 > 98.7  
3.635e+004





Dataset: Untitled

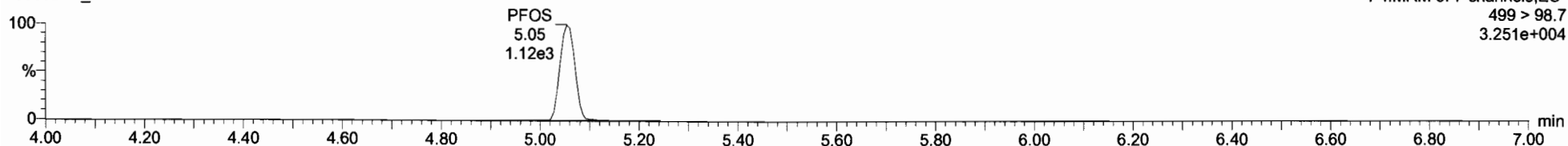
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**PFOS**

150508G1\_4

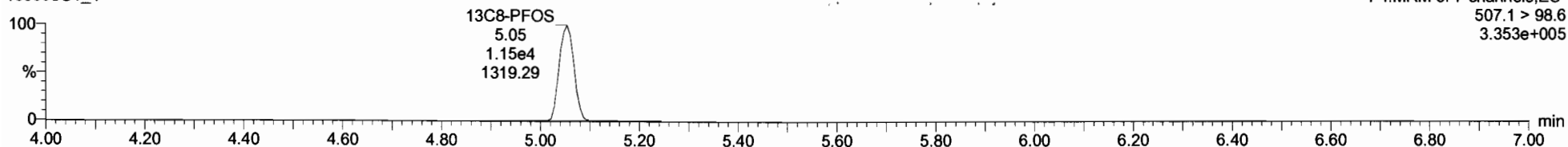
F4:MRM of 7 channels,ES-  
499 > 98.7  
3.251e+004



**13C8-PFOS**

150508G1\_4

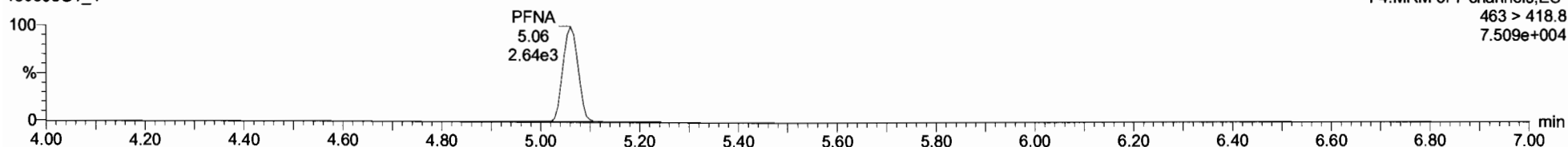
F4:MRM of 7 channels,ES-  
507.1 > 98.6  
3.353e+005



**PFNA**

150508G1\_4

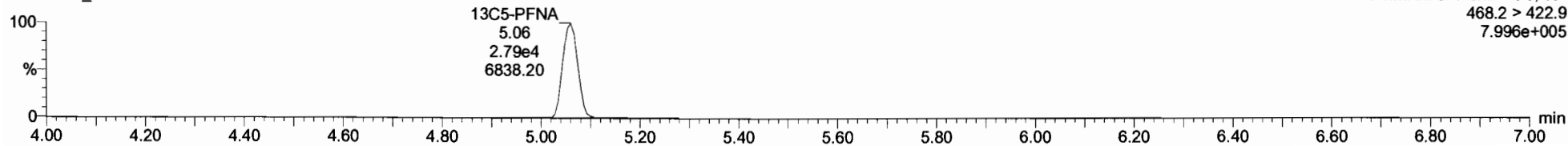
F4:MRM of 7 channels,ES-  
463 > 418.8  
7.509e+004



**13C5-PFNA**

150508G1\_4

F4:MRM of 7 channels,ES-  
468.2 > 422.9  
7.996e+005



Dataset: Untitled

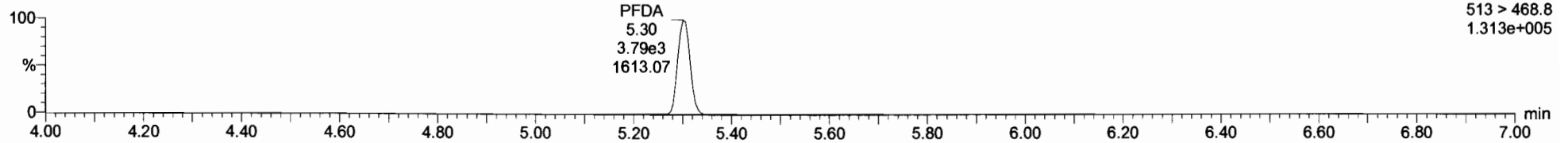
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

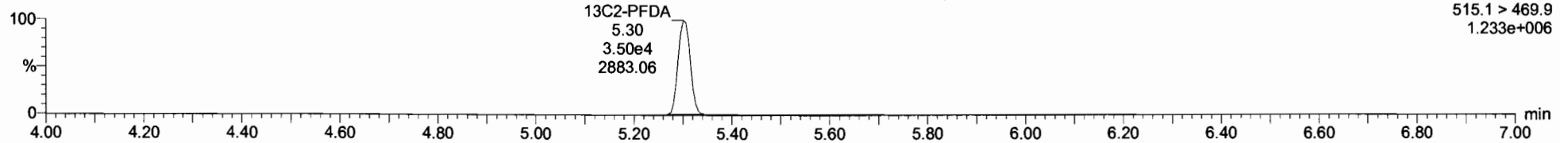
**PFDA**

150508G1\_4



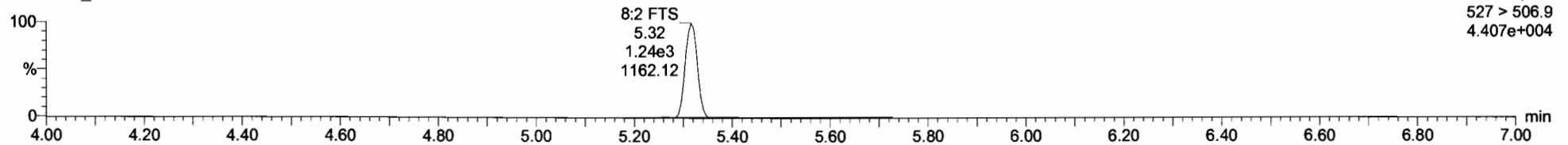
**13C2-PFDA**

150508G1\_4



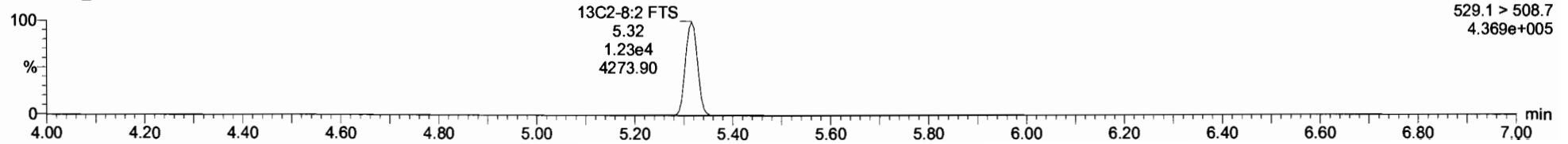
**8:2 FTS**

150508G1\_4



**13C2-8:2 FTS**

150508G1\_4



Dataset: Untitled

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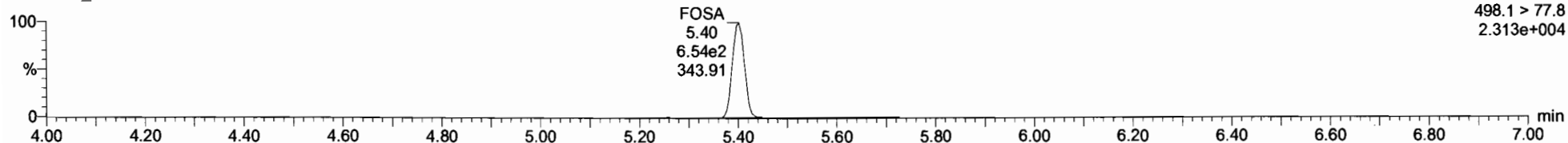
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Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

**FOSA**

150508G1\_4

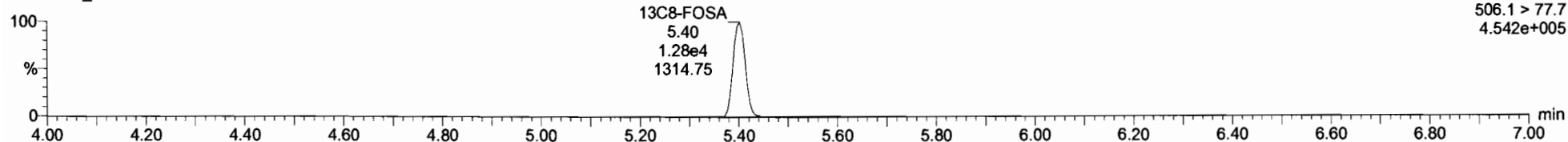
F5:MRM of 12 channels,ES-  
498.1 > 77.8  
2.313e+004



**13C8-FOSA**

150508G1\_4

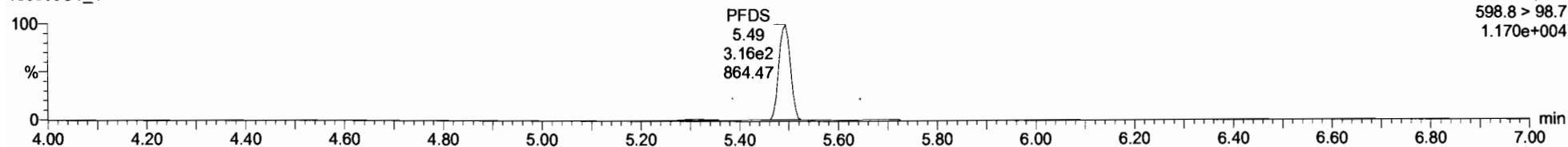
F5:MRM of 12 channels,ES-  
506.1 > 77.7  
4.542e+005



**PFDS**

150508G1\_4

F5:MRM of 12 channels,ES-  
598.8 > 98.7  
1.170e+004

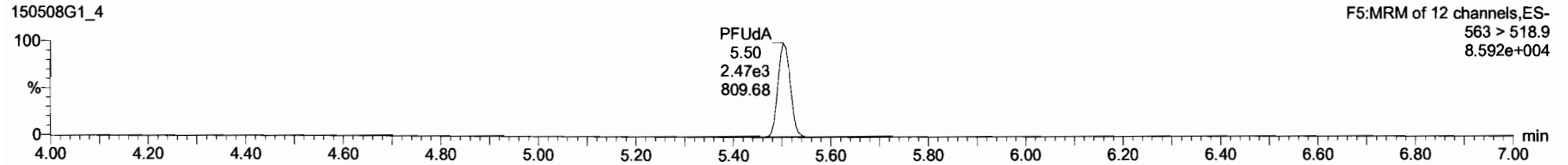


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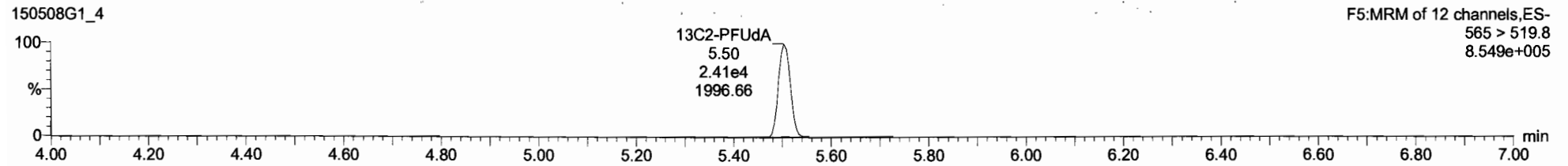
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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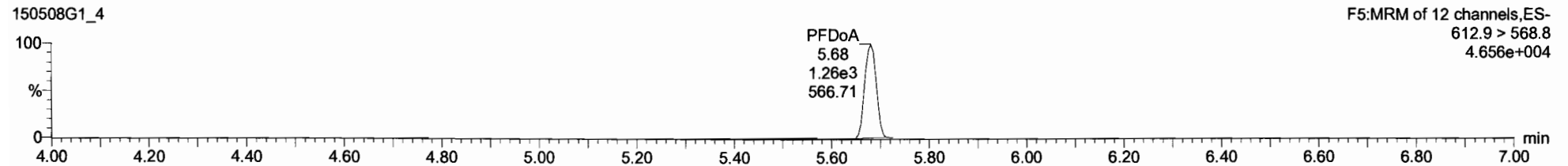
**PFUdA**



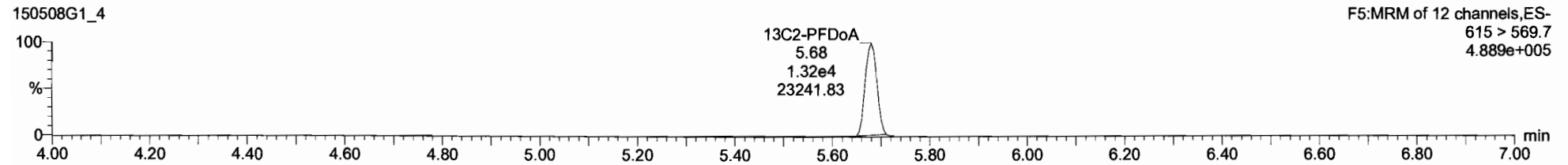
**13C2-PFUdA**



**PFDaA**



**13C2-PFDaA**





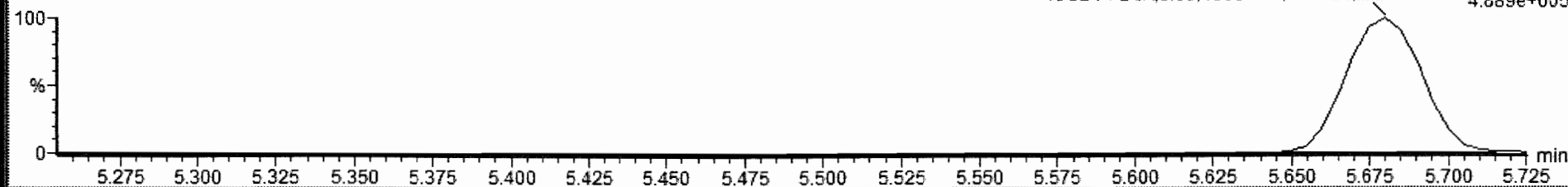
150508G1\_4 - ST150508G1-4 PFC CS2 15E0812 - PFC CS2 15E0812

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	3.16e2	0.452	0.090	1.000	5.49	5.63	112.7	0.0180362	0.9999
16	PFUDa	563 > 518.9	2.47e3	5.132	1.026	1.000	5.50	4.98	99.7	0.0150483	0.9999
17	PFDaA	612.9 > 568.8	1.29e3	4.712	0.942	1.000	5.68	5.46	109.2	0.0242013	0.9998
18	N-MeFOSA	512.1 > 168.9	1.06e3	37.497	0.750	1.000	5.78	170	339.8	79.3398046	0.9373
19	N-MeFOSE	616.1 > 58.9	1.29e3	45.613	0.912	1.000	5.79	61.6	123.2	0.1021166	0.9997
20	PFTrDA	662.9 > 618.9	1.44e3	2.994	0.599	1.000	5.84	39.1	782.1	27.8661541	0.9955
21	N-EtFOSE	630.1 > 58.9	1.62e3	49.531	0.991	1.000	5.91	45.1	90.1	0.0745417	0.9999
22	N-EtFOSA	526.1 > 168.9	1.94e3	55.430	1.109	1.000	5.91	52.0	103.9	0.1618491	0.9991
23	PFTeDA	712.9 > 668.8	2.83e3	5.394	1.079	1.000	5.98	6.08	121.6	0.0233998	0.9996
24	PFHxDA	813.1 > 768.6	6.47e3	6.368	1.274	1.000	6.21	6.89	137.7	0.0053632	0.9991
25	PFODA	913.1 > 868.8	6.46e3	6.356	1.271	1.000	6.44	4.59	91.9	0.0043006	0.9790
26	13C3-PFBA	216.1 > 171.8	4.01e4	53.414	1.068	1.000	2.28	51.4	102.8	0.0237683	2.99
27	13C3-PFPeA	266 > 221.8	3.68e4	46.574	0.931	1.000	3.29	47.7	95.5	0.0097203	4.78

150508G1\_4 Smooth(Mn.1x2)  
PFC CS2 15E0812 ST150508G1-4 PFC CS2 15E0812



150508G1\_4 Smooth(Mn.1x2)  
PFC CS2 15E0812 ST150508G1-4 PFC CS2 15E0812



Dataset: Untitled

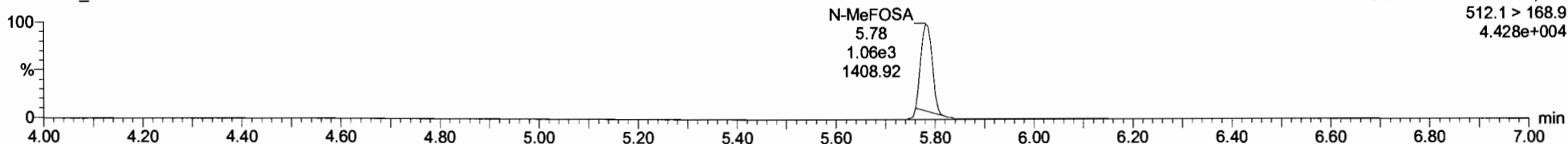
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

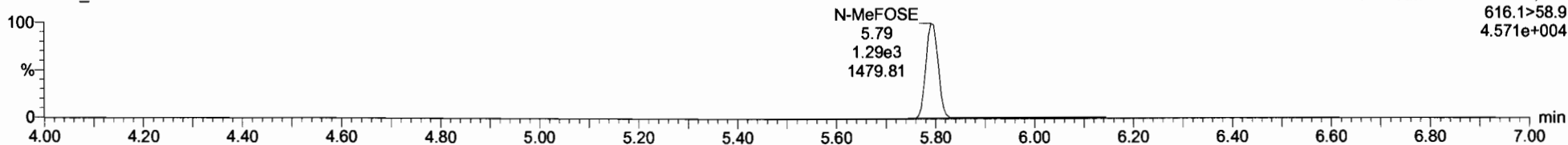
**N-MeFOSA**

150508G1\_4



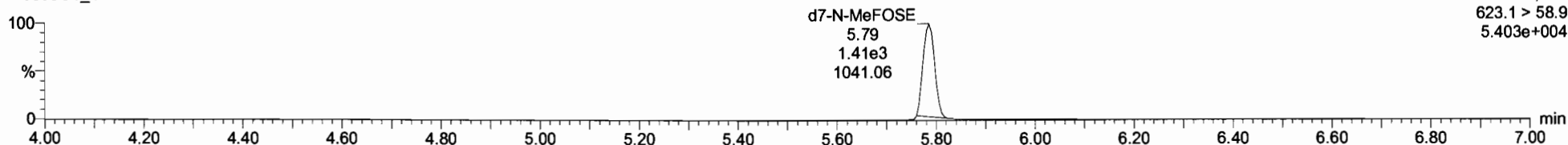
**N-MeFOSE**

150508G1\_4



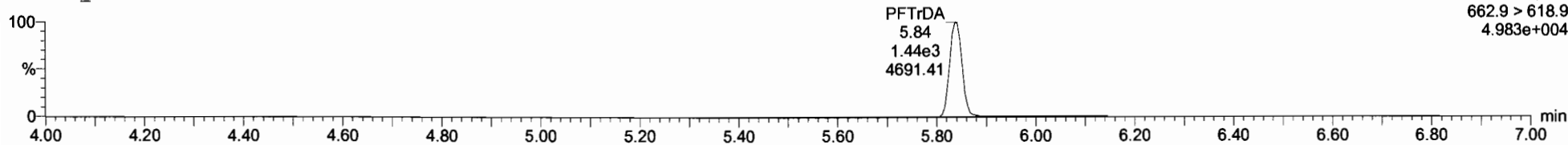
**d7-N-MeFOSE**

150508G1\_4



**PFTTrDA**

150508G1\_4





150508G1\_4 - ST150508G1-4 PFC CS2 15E0812 - PFC CS2 15E0812

	Name	Trace	Area	Response	RRF	Wt/VoL	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	3.16e2	0.452	0.090	1.000	5.49	5.63	112.7	0.0180362		0.9999
16	PFUDa	563 > 518.9	2.47e3	5.132	1.026	1.000	5.50	4.98	99.7	0.0150483		0.9999
17	PFDaA	612.9 > 568.8	1.29e3	4.712	0.942	1.000	5.68	5.46	109.2	0.0242013		0.9998
18	N-MeFOSA	512.1 > 168.9	1.23e3	40.450	0.809	1.000	5.78	174	348.8	79.1803342		0.9373
19	N-MeFOSE	616.1 > 58.9	1.29e3	42.450	0.849	1.000	5.79	57.5	114.9	0.0988362		0.9997
20	PFTrDA	662.9 > 618.9	1.44e3	2.994	0.599	1.000	5.84	39.1	762.1	27.8661541		0.9955
21	N-ElFOSE	630.1 > 58.9	1.62e3	49.531	0.991	1.000	5.91	45.1	90.1	0.0745417		0.9999
22	N-ElFOSA	526.1 > 168.9	1.94e3	55.430	1.109	1.000	5.91	52.0	103.9	0.1618491		0.9991
23	PFTeDA	712.9 > 668.8	2.83e3	5.394	1.079	1.000	5.98	6.08	121.6	0.0233998		0.9996
24	PFHxDA	813.1 > 768.6	6.47e3	6.368	1.274	1.000	6.21	6.89	137.7	0.0053632		0.9991
25	PFODA	913.1 > 868.8	6.46e3	6.356	1.271	1.000	6.44	4.59	91.9	0.0043006		0.9790
26	13C3-PFBA	216.1 > 171.8	4.01e4	53.414	1.068	1.000	2.28	51.4	102.8	0.0237683	2.99	
27	13C3-PFPeA	266 > 221.8	3.68e4	46.574	0.931	1.000	3.29	47.7	95.5	0.0097203	4.78	

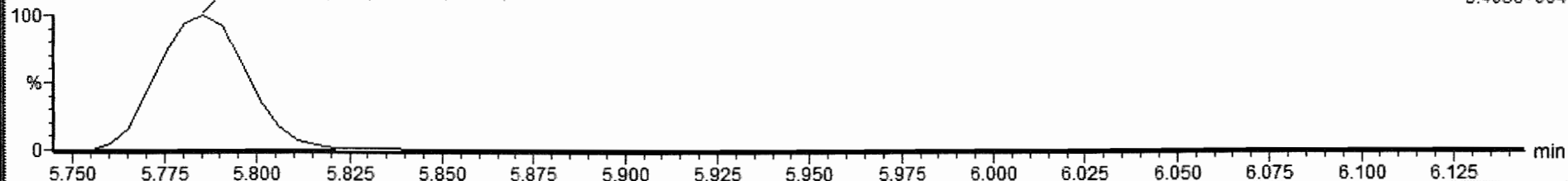
150508G1\_4 Smooth(Mn,1x2)  
PFC CS2 15E0812 ST150508G1-4 PFC CS2 15E0812  
N-MeFOSA;5.78;1228.80;43762;MM

F6:MRM of 12 channels,ES-  
512.1 > 168.9  
4.428e+004



150508G1\_4 Smooth(Mn,1x2)  
PFC CS2 15E0812 ST150508G1-4 PFC CS2 15E0812  
d7-N-MeFOSE;5.79;1518.92;54029;MM

F6:MRM of 12 channels,ES-  
623.1 > 58.9  
5.403e+004



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

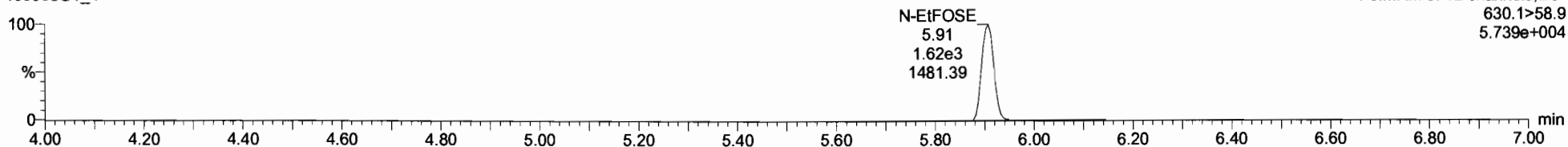
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

**N-EtFOSE**

150508G1\_4

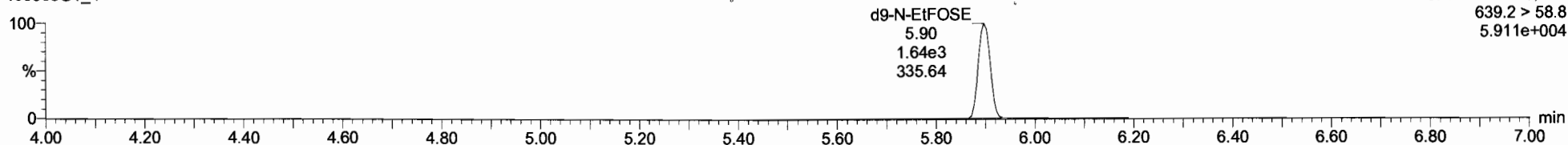
F6:MRM of 12 channels,ES-  
630.1>58.9  
5.739e+004



**d9-N-EtFOSE**

150508G1\_4

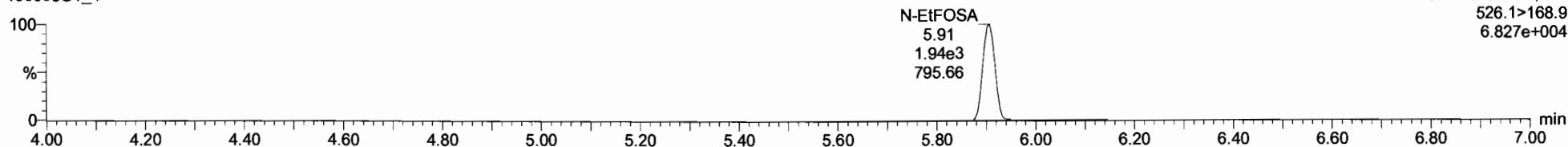
F6:MRM of 12 channels,ES-  
639.2 > 58.8  
5.911e+004



**N-EtFOSA**

150508G1\_4

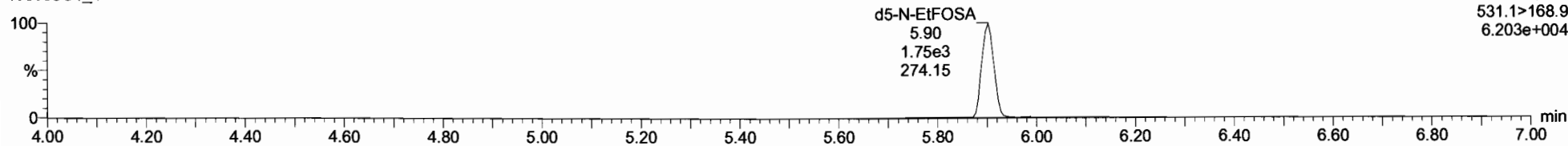
F6:MRM of 12 channels,ES-  
526.1>168.9  
6.827e+004



**d5-N-EtFOSA**

150508G1\_4

F6:MRM of 12 channels,ES-  
531.1>168.9  
6.203e+004





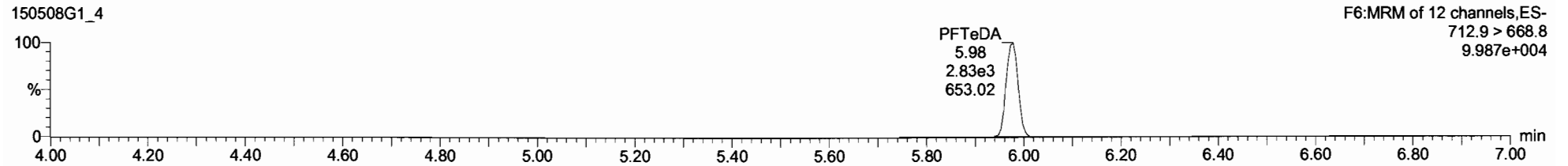
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

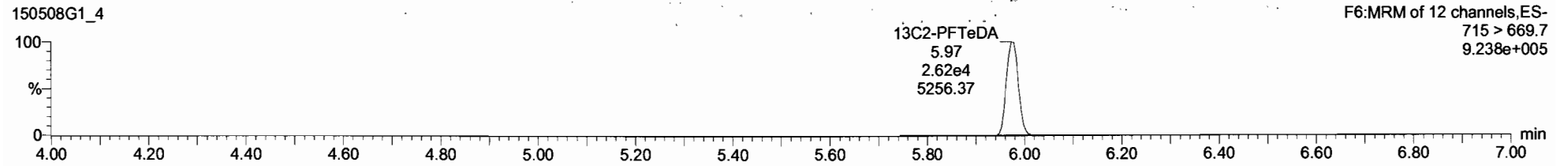
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

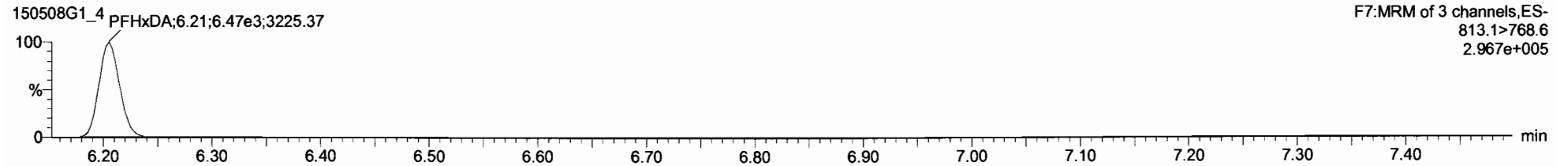
**PFTeDA**



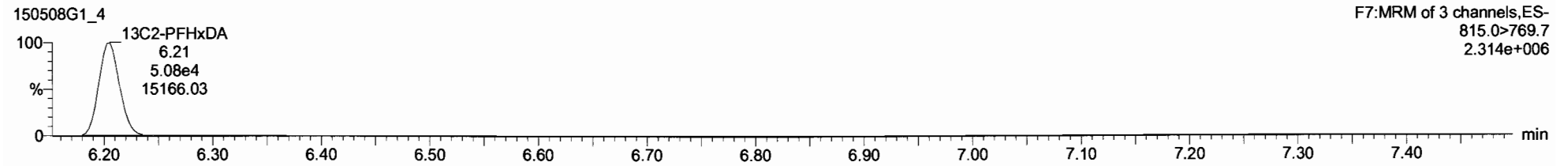
**13C2-PFTeDA**



**PFHxDA**



**13C2-PFHxDA**



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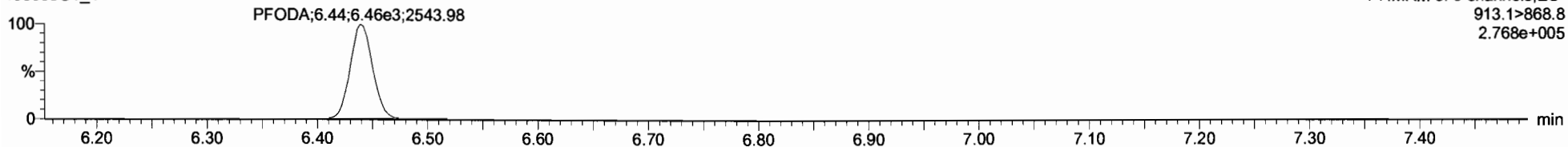
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Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

**PFODA**

150508G1\_4

F7:MRM of 3 channels,ES-  
913.1>868.8  
2.768e+005

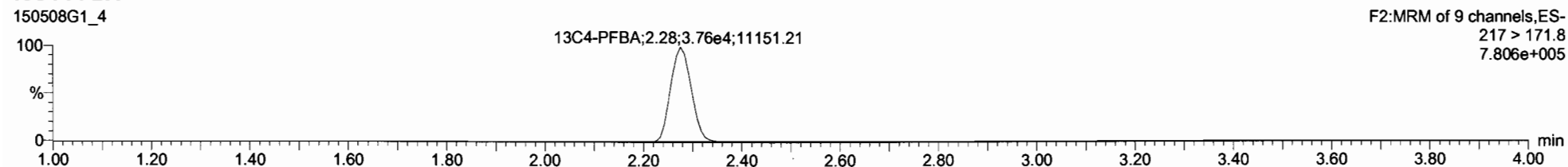


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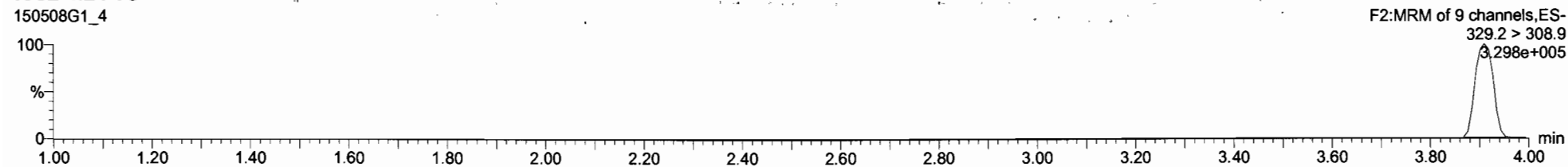
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

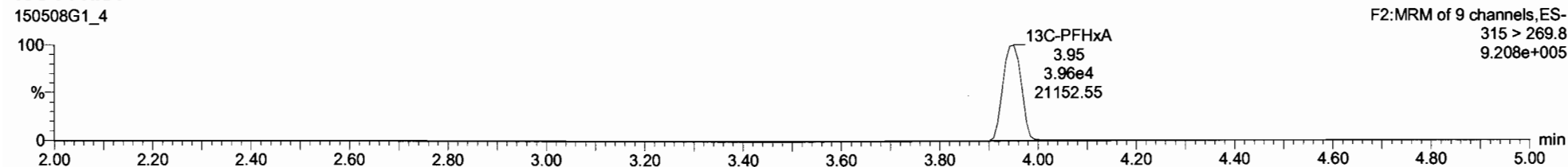
**13C4-PFBA**



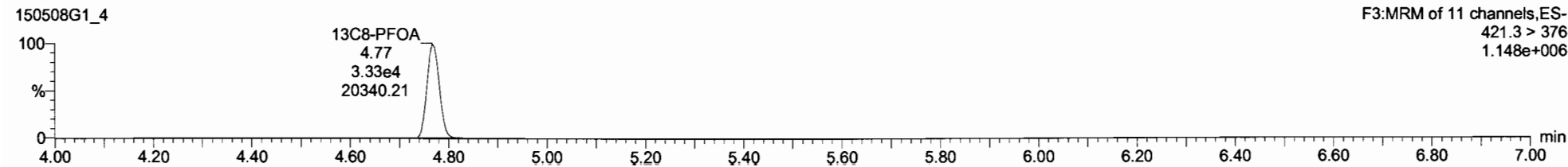
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**

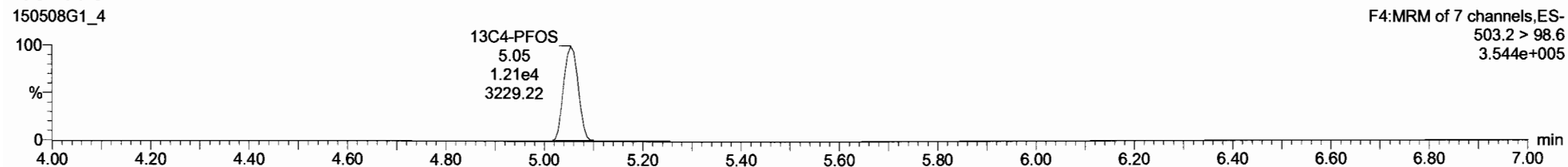


Dataset: Untitled

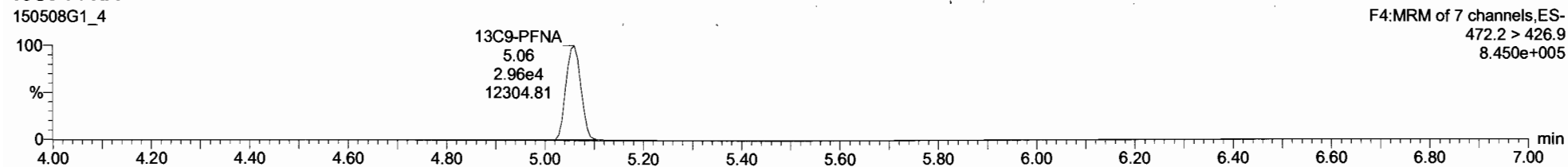
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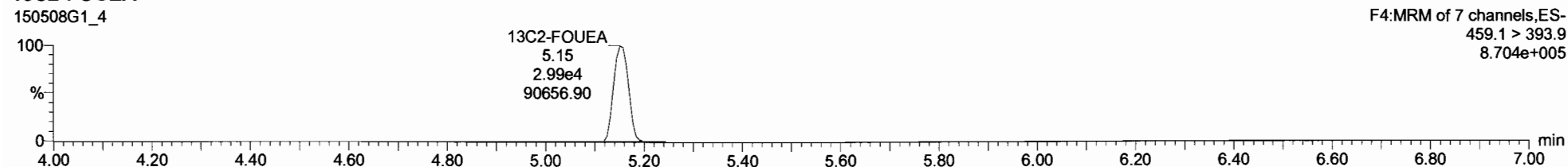
13C4-PFOS



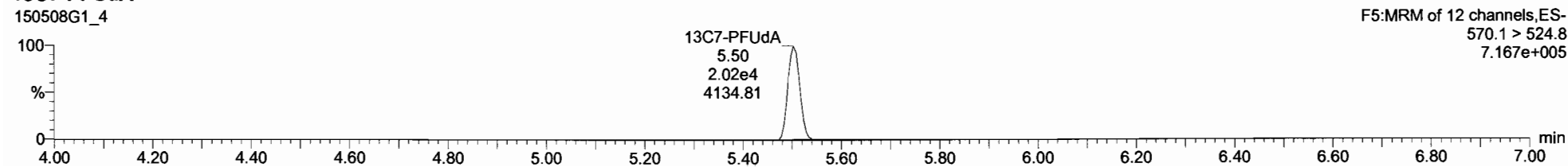
13C9-PFNA



13C2-FOUEA



13C7-PFUdA



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

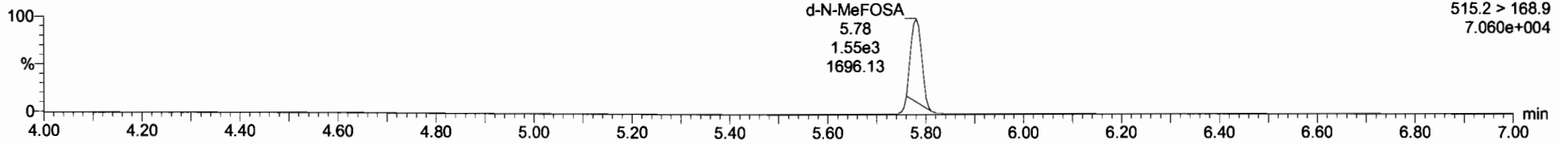
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_4, Date: 08-May-2015, Time: 16:23:40, ID: ST150508G1-4 PFC CS2 15E0812, Description: PFC CS2 15E0812

**d-N-MeFOSA**

150508G1\_4

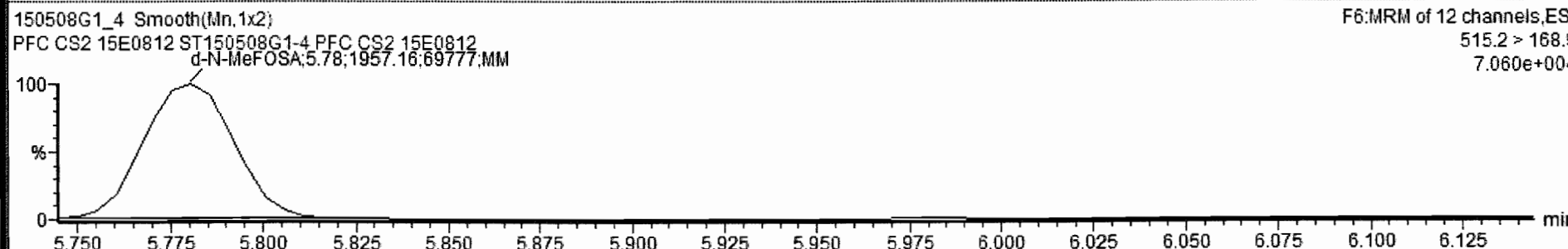
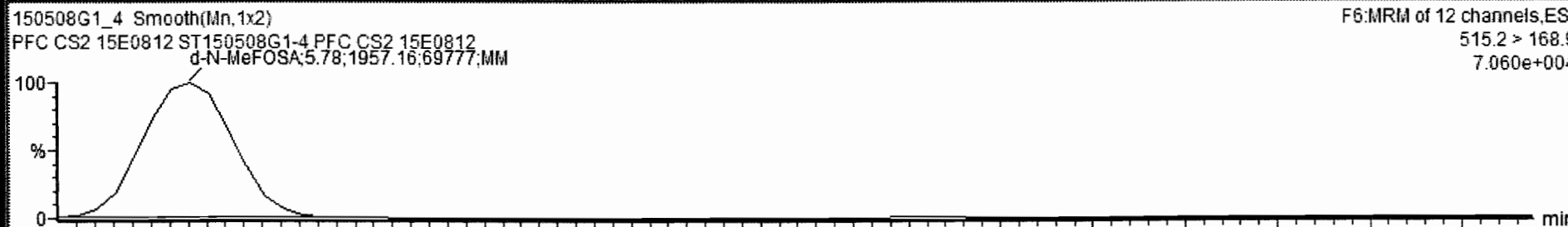
F6:MRM of 12 channels,ES-  
515.2 > 168.9  
7.060e+004





150508G1\_4 - ST150508G1-4 PFC CS2 15E0812 - PFC CS2 15E0812

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
44	13C4-PFBA	217 > 171.8	3.76e4	50.000	1.000	1.000	2.28	50.0	100.0	0.0112095	0.000000...
45	13C2-4:2 FTS	329.2 > 308.9	1.40e4	50.000	1.000	1.000	3.91	50.0	100.0	0.0078040	0.000000...
46	13C-PFHxA	315 > 269.8	3.96e4	50.000	1.000	1.000	3.95	50.0	100.0	0.0059095	0.000
47	13C8-PFOA	421.3 > 376	3.33e4	50.000	1.000	1.000	4.77	50.0	100.0	0.0061455	0.000
48	13C4-PFOS	503.2 > 98.6	1.21e4	50.000	1.000	1.000	5.05	50.0	100.0	0.0387090	0.000000...
49	13C2-FOUEA	459.1 > 393.9	2.99e4	50.000	1.000	1.000	5.15	50.0	100.0	0.0013788	0.000
50	13C9-PFNA	472.2 > 426.9	2.96e4	50.000	1.000	1.000	5.06	50.0	100.0	0.0101586	0.000
51	13C7-PFUDa	570.1 > 524.8	2.02e4	50.000	1.000	1.000	5.50	50.0	100.0	0.0302311	0.000000...
52	d-N-MeFOSA	515.2 > 168.9	1.96e3	50.000	1.000	1.000	5.78	50.0	100.0	0.0653081	0.000000...
53	Total PFBS	299 > 79.7	2.59e3			1.000		5.41			0.0000
54	Total PFHxS	398.9 > 79.6	2.17e3			1.000		5.12			
55	Total PFHpS	449 > 98.7	9.78e2			1.000		5.03			
56	Total PFOS	499 > 98.7	1.12e3			1.000		4.69			

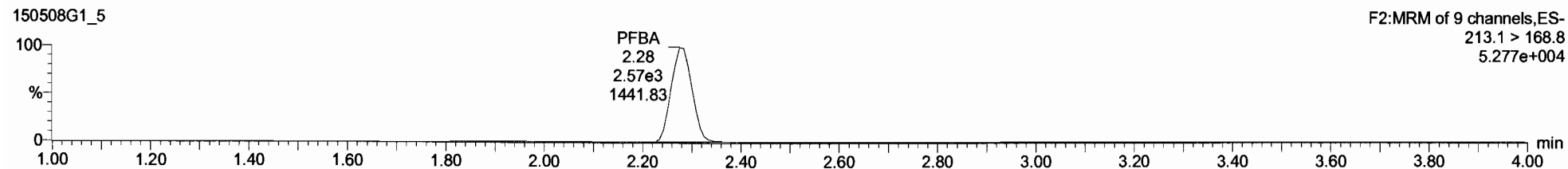


Dataset:      Untitled

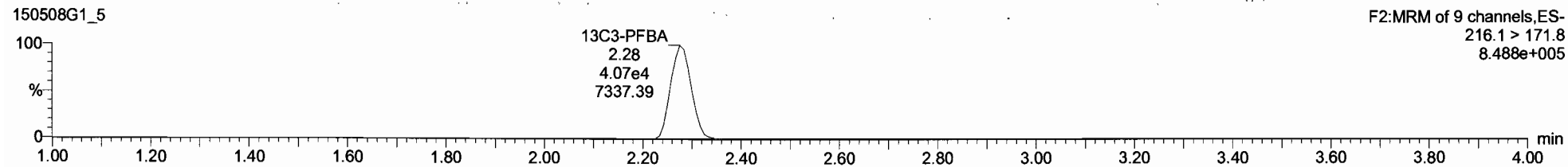
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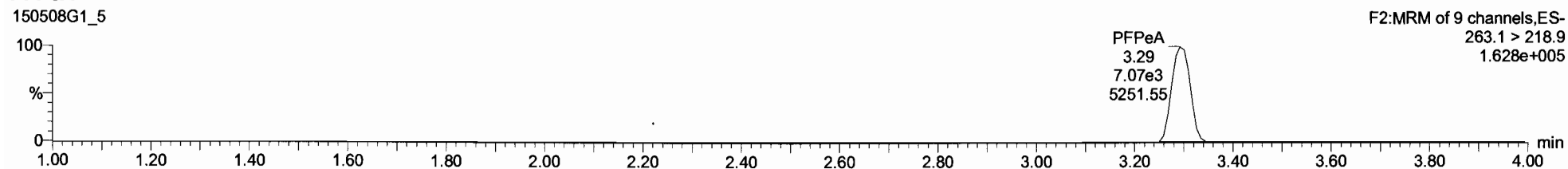
**PFBA**



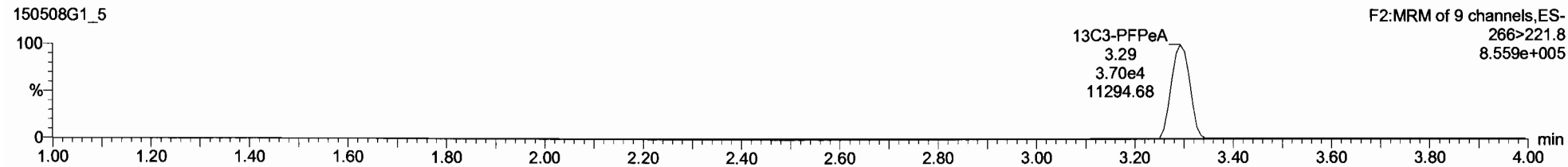
**13C3-PFBA**



**PFPeA**



**13C3-PFPeA**

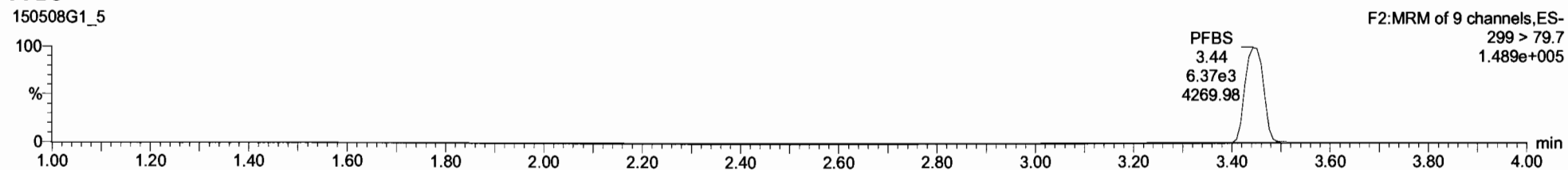


Dataset: Untitled

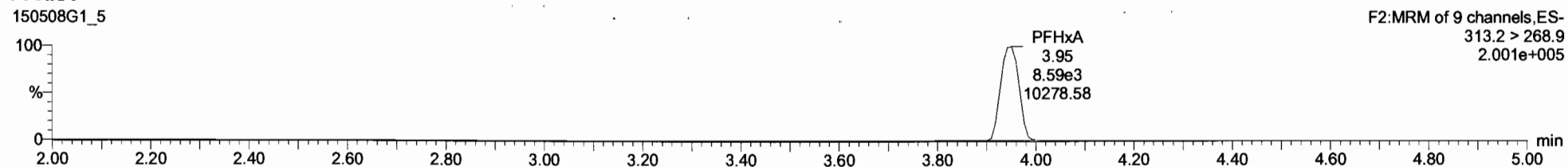
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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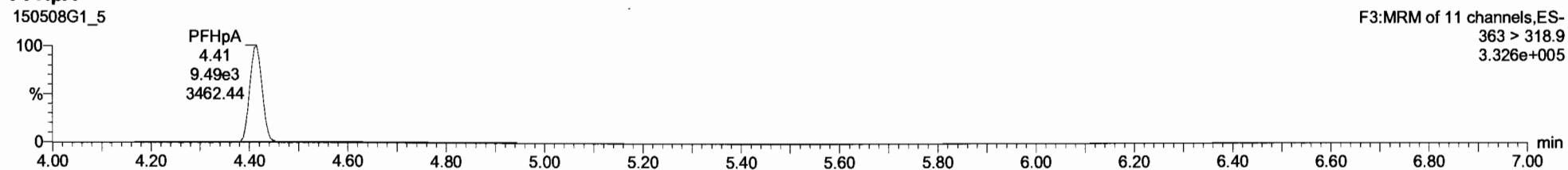
**PFBS**



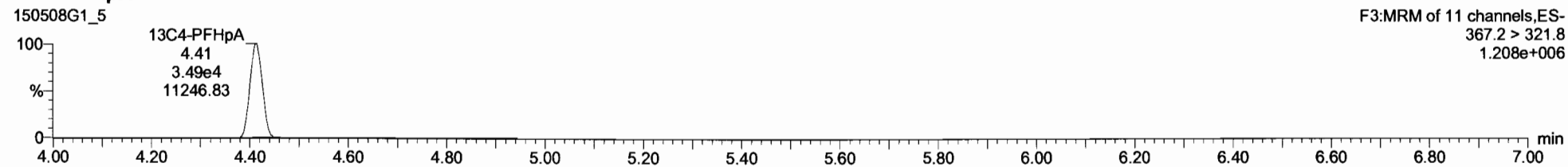
**PFHxA**



**PFHpA**



**13C4-PFHpA**



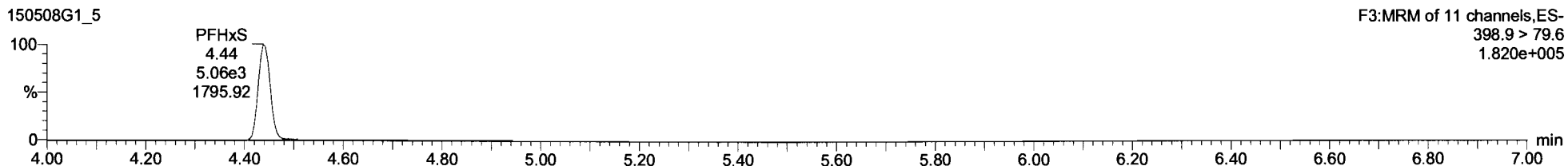


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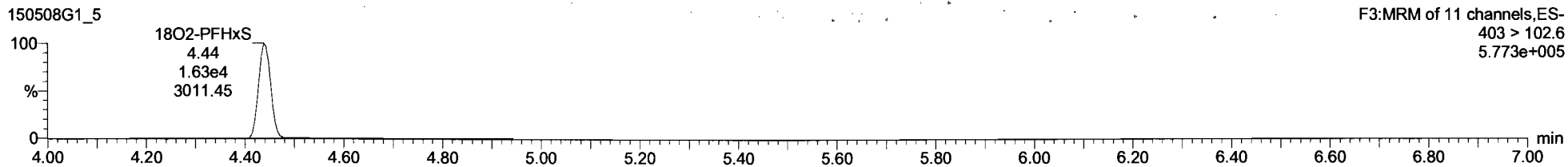
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

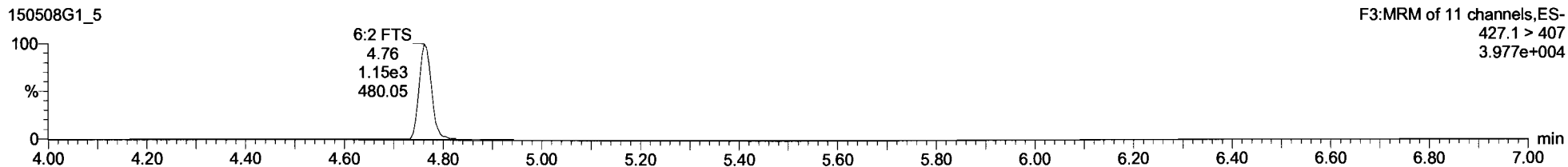
**PFHxS**



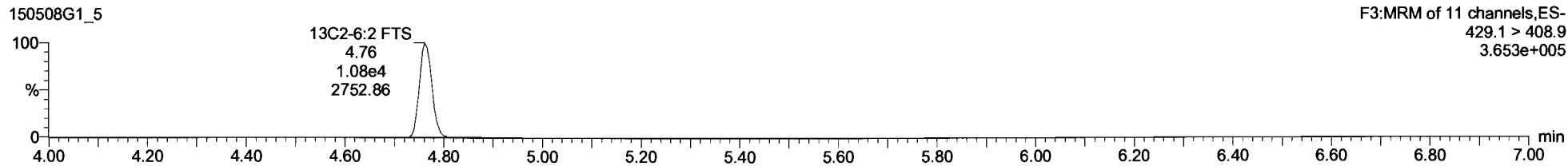
**18O2-PFHxS**



**6:2 FTS**



**13C2-6:2 FTS**

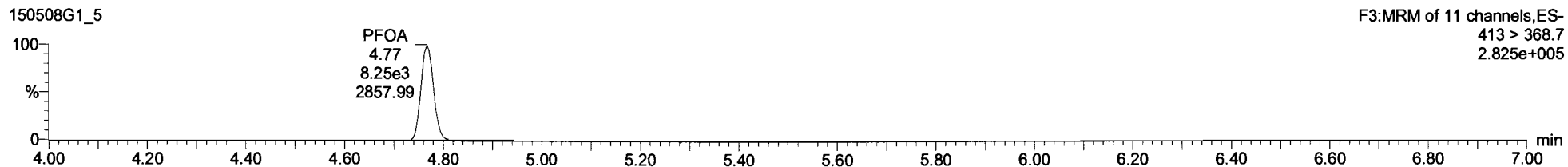


Dataset: Untitled

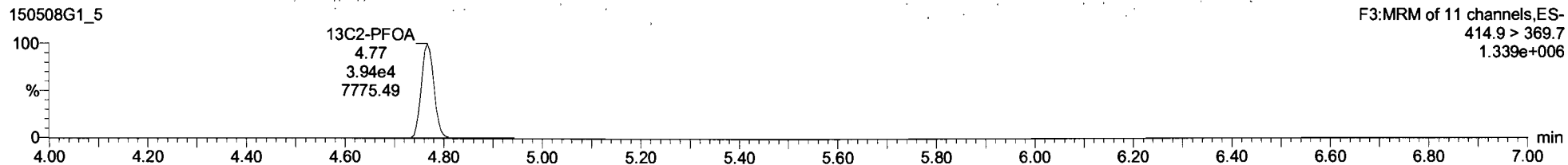
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

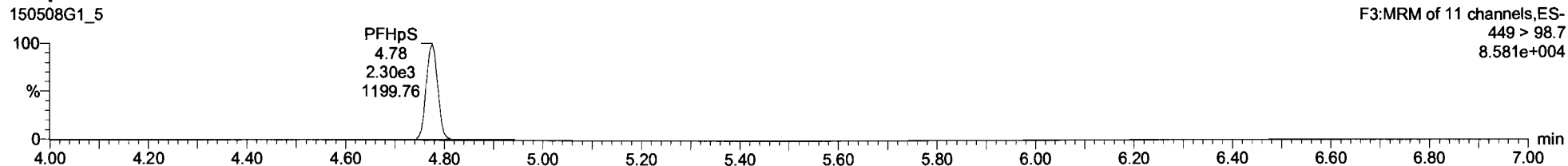
**PFOA**



**13C2-PFOA**



**PFHpS**

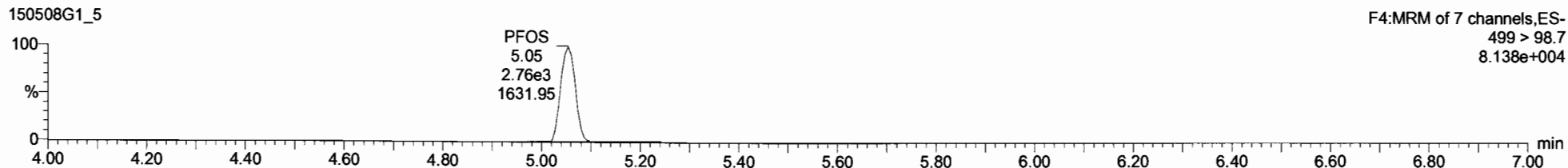


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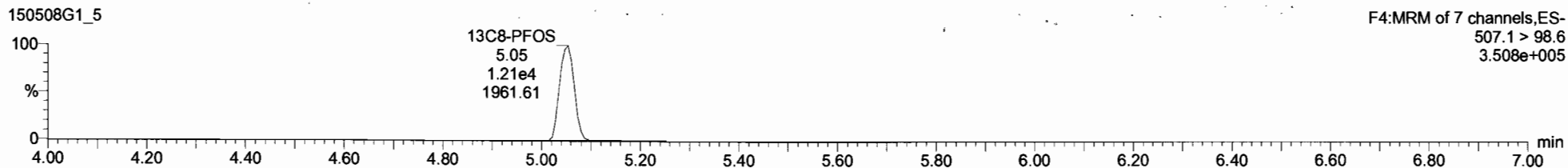
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

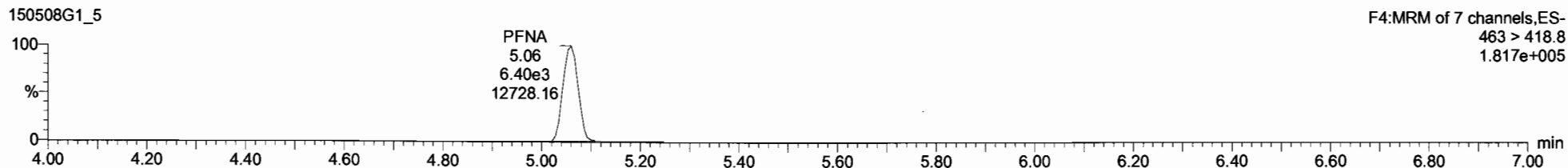
**PFOS**



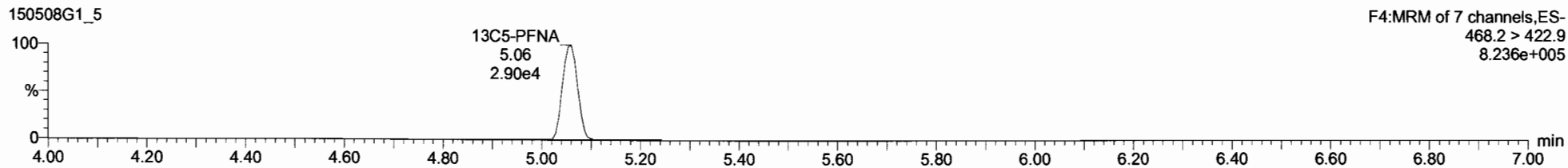
**13C8-PFOS**



**PFNA**



**13C5-PFNA**

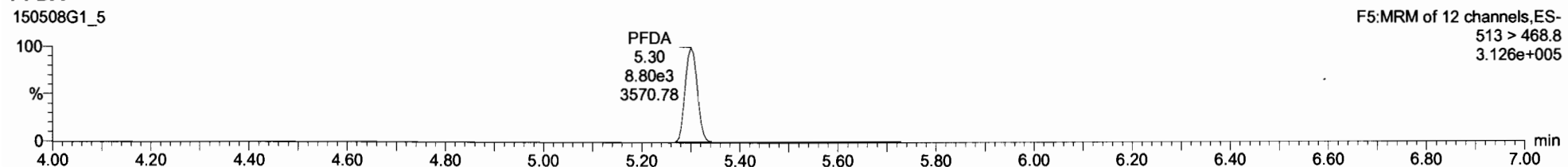


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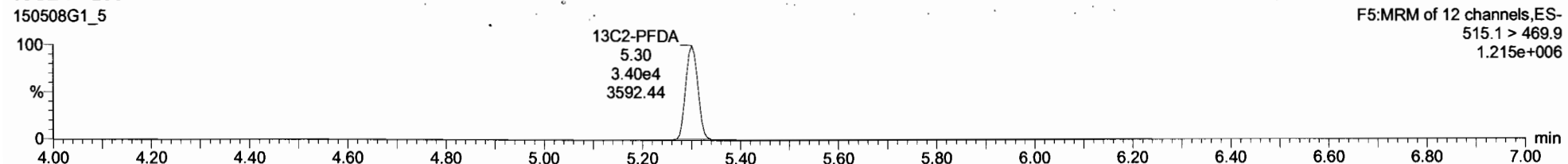
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

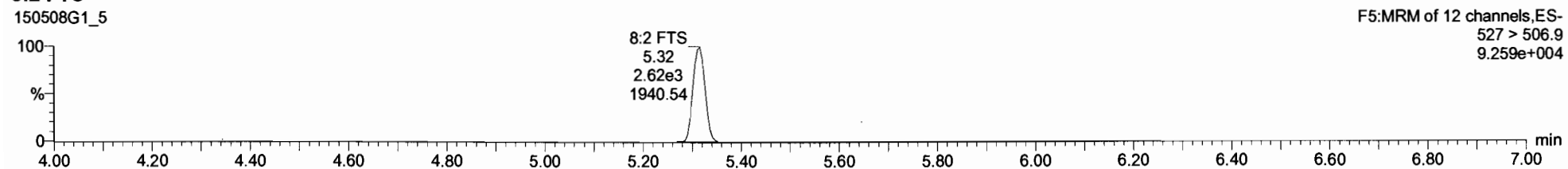
**PFDA**



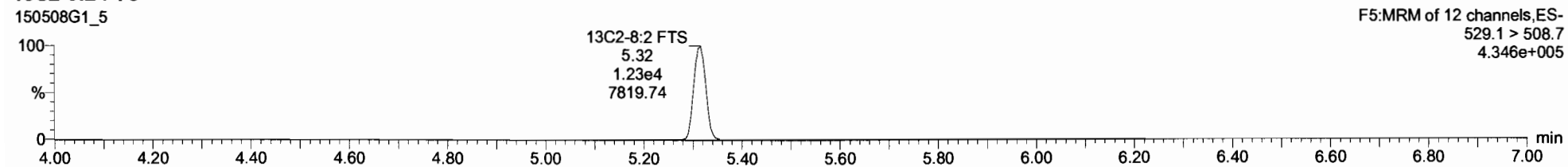
**13C2-PFDA**



**8:2 FTS**



**13C2-8:2 FTS**



Dataset: Untitled

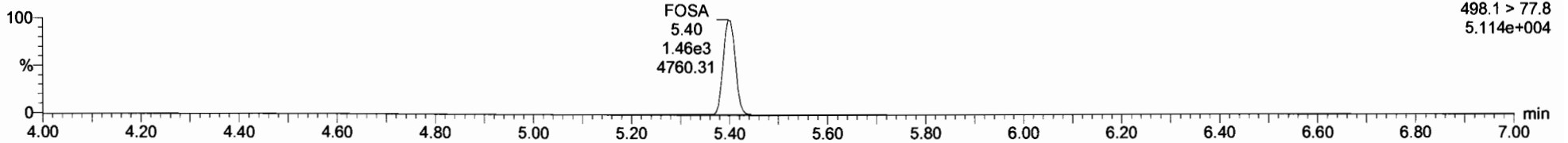
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

**FOSA**

150508G1\_5

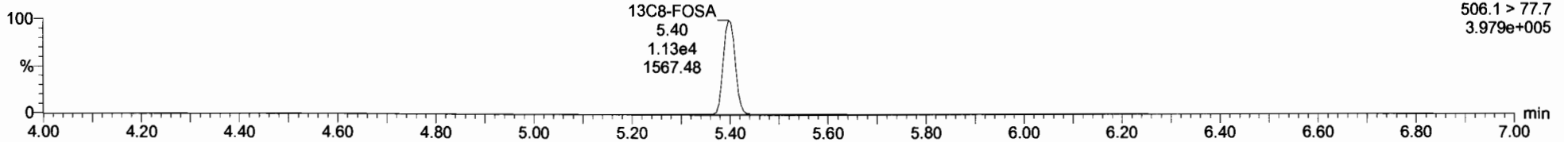
F5:MRM of 12 channels,ES-  
498.1 > 77.8  
5.114e+004



**13C8-FOSA**

150508G1\_5

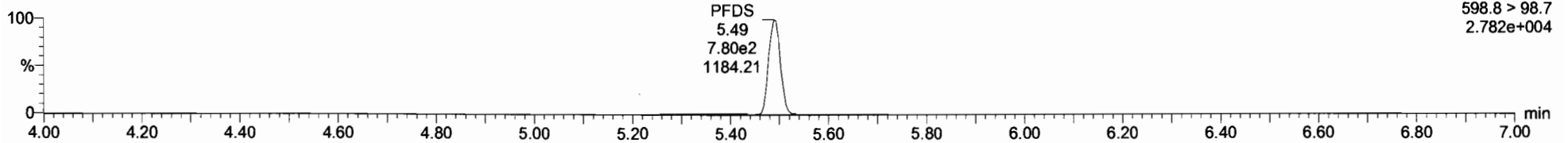
F5:MRM of 12 channels,ES-  
506.1 > 77.7  
3.979e+005



**PFDS**

150508G1\_5

F5:MRM of 12 channels,ES-  
598.8 > 98.7  
2.782e+004

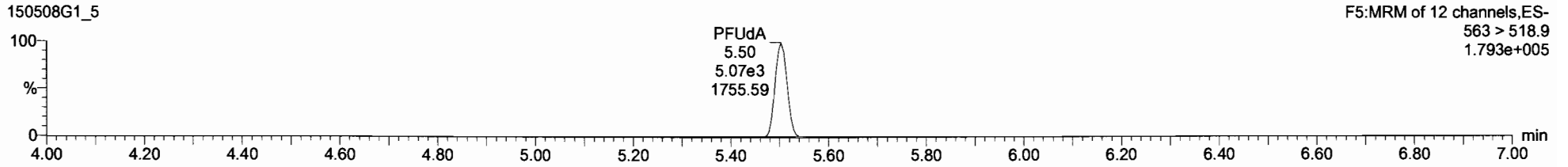


Dataset: Untitled

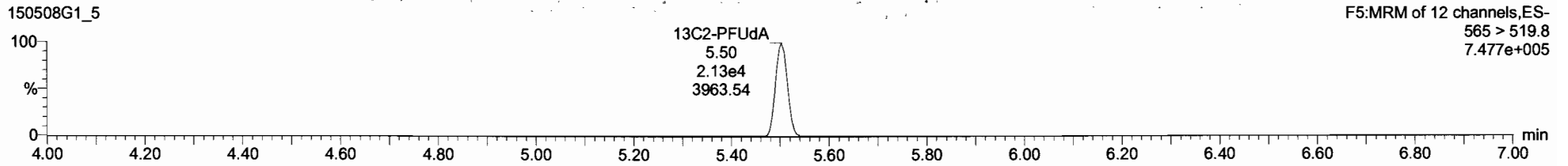
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

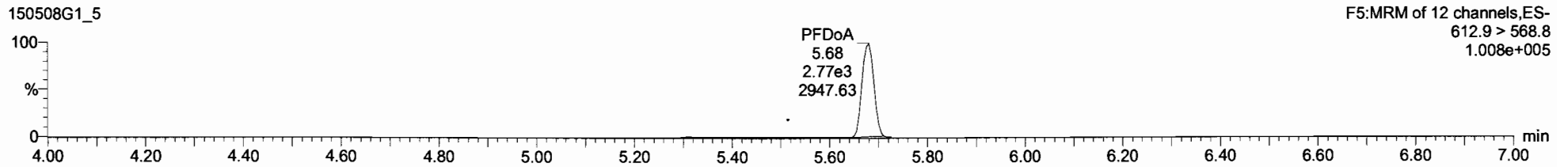
**PFUdA**



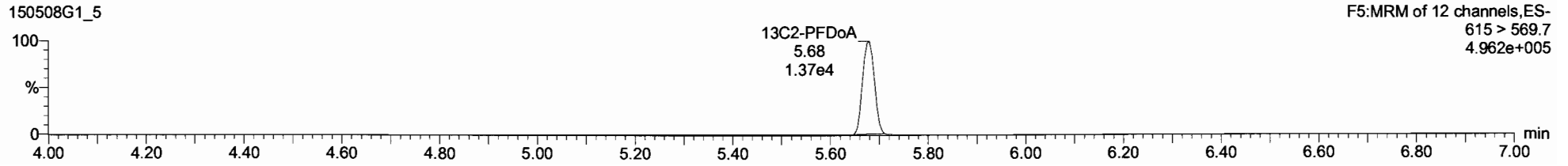
**13C2-PFUdA**



**PFDaA**



**13C2-PFDaA**

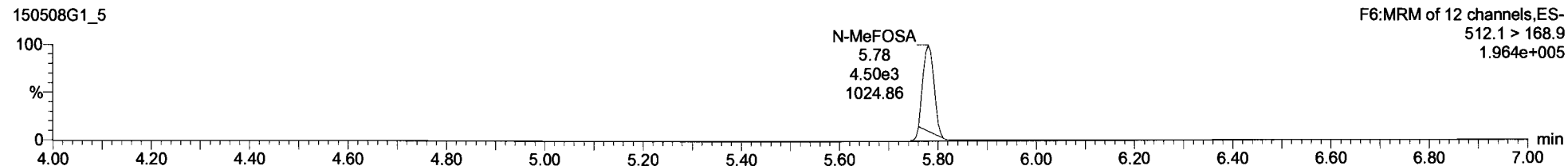


Dataset: Untitled

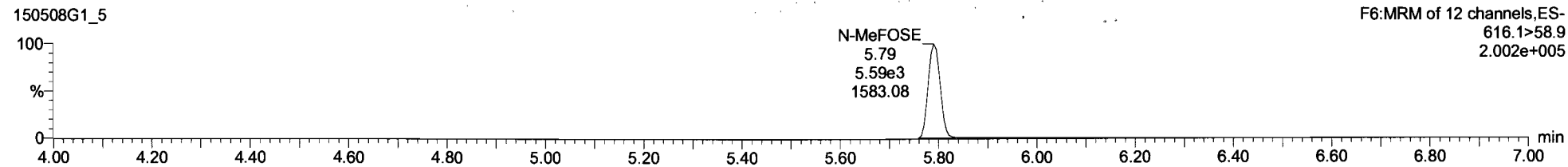
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

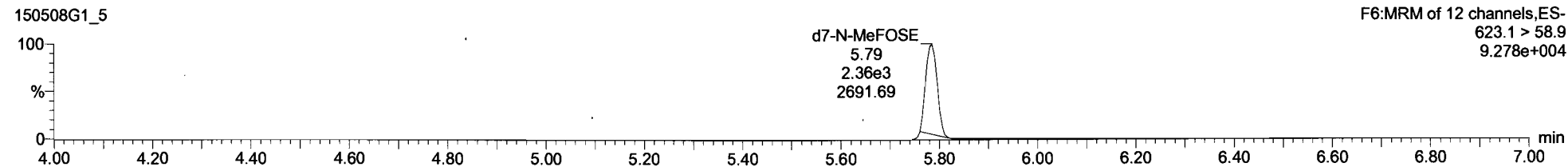
**N-MeFOSA**



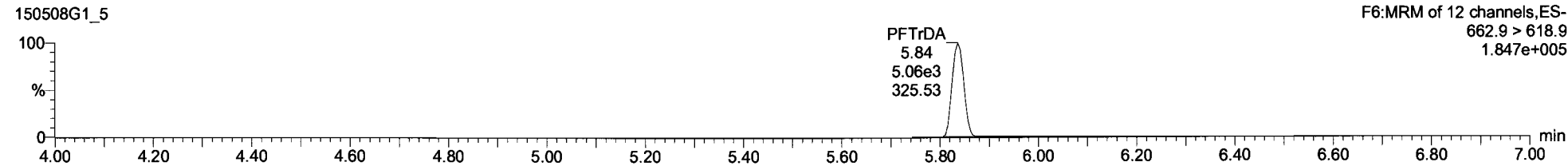
**N-MeFOSE**



**d7-N-MeFOSE**

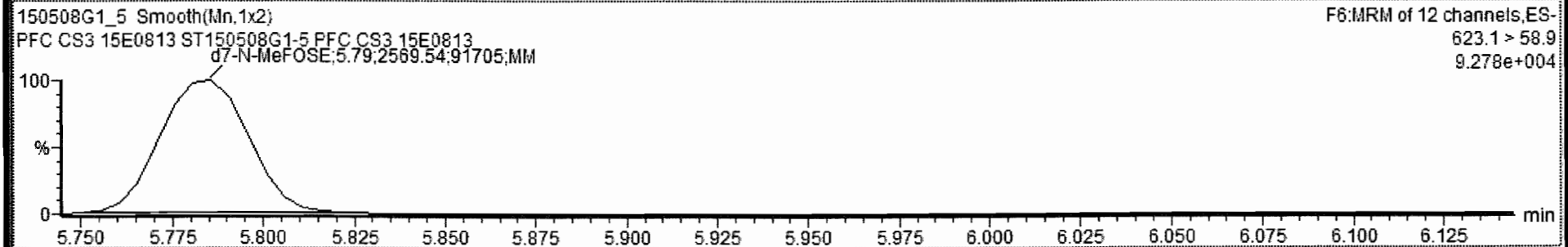
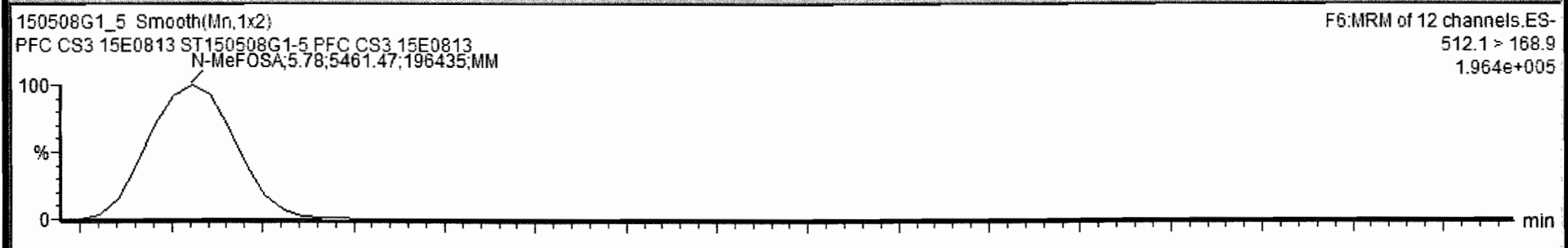


**PFTrDA**



150508G1\_5 - ST150508G1-5 PFC CS3 15E0813 - PFC CS3 15E0813

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	7.80e2	1.147	0.115	1.000	5.49	13.3	133.0	0.0320871	0.9999
16	PFUdA	563 > 518.9	5.07e3	11.905	1.191	1.000	5.50	11.6	115.7	0.0165425	0.9999
17	PFDaA	612.9 > 568.8	2.77e3	10.110	1.011	1.000	5.68	11.7	116.5	0.0100101	0.9998
18	N-MeFOSe	512.1 > 168.9	5.46e3	106.273	1.063	1.000	5.78	252	251.8	79.0005767	0.9372
19	N-MeFOSE	616.1 > 58.9	5.59e3	108.841	1.088	1.000	5.79	142	142.2	0.2391241	0.9998
20	PFTTrDA	662.9 > 618.9	5.06e3	11.880	1.188	1.000	5.84	58.0	579.7	28.3490821	0.9955
21	N-EtFOSE	630.1 > 58.9	7.13e3	126.742	1.267	1.000	5.91	116	115.7	0.0989479	0.9999
22	N-EtFOSe	526.1 > 168.9	8.48e3	111.982	1.120	1.000	5.90	105	105.2	0.1590403	0.9991
23	PFTeDA	712.9 > 668.8	7.99e3	11.229	1.123	1.000	5.97	12.6	126.2	0.0040218	0.9996
24	PFHxDA	813.1 > 768.6	1.38e4	12.174	1.217	1.000	6.21	13.2	131.9	0.0050234	0.9991
25	PFODA	913.1 > 868.8	1.75e4	15.480	1.548	1.000	6.44	11.0	109.9	0.0046647	0.9790
26	13C3-PFBA	216.1 > 171.8	4.07e4	53.703	1.074	1.000	2.28	51.7	103.4	0.0175812	2.99
27	13C3-PFPeA	266 > 221.8	3.70e4	47.334	0.947	1.000	3.29	48.5	97.0	0.0107470	4.78





150508G1\_5 - ST150508G1-5 PFC CS3 15E0813 - PFC CS3 15E0813

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	7.80e2	1.147	0.115	1.000	5.49	13.3	133.0	0.0320871		0.9999
16	PFUdA	563 > 518.9	5.07e3	11.905	1.191	1.000	5.50	11.6	115.7	0.0165425		0.9999
17	PFDaA	612.9 > 568.8	2.77e3	10.110	1.011	1.000	5.68	11.7	116.5	0.0100101		0.9998
18	N-MeFOA	512.1 > 168.9	5.46e3	106.273	1.063	1.000	5.78	252	251.8	79.0005767		0.9372
19	N-MeFOSE	616.1 > 58.9	5.61e3	109.253	1.093	1.000	5.79	143	142.7	0.2390901		0.9998
20	PFTTrDA	662.9 > 618.9	5.06e3	11.880	1.188	1.000	5.84	58.0	579.7	28.3490821		0.9955
21	N-EtFOSE	630.1 > 58.9	7.13e3	126.742	1.267	1.000	5.91	116	115.7	0.0989479		0.9999
22	N-EtFOA	526.1 > 168.9	8.48e3	111.982	1.120	1.000	5.90	105	105.2	0.1590403		0.9991
23	PFTeDA	712.9 > 668.8	7.99e3	11.229	1.123	1.000	5.97	12.6	126.2	0.0040218		0.9996
24	PFHxDA	813.1 > 768.6	1.38e4	12.174	1.217	1.000	6.21	13.2	131.9	0.0050234		0.9991
25	PFODA	913.1 > 868.8	1.75e4	15.480	1.548	1.000	6.44	11.0	109.9	0.0046647		0.9790
26	13C3-PFBA	216.1 > 171.8	4.07e4	53.703	1.074	1.000	2.28	51.7	103.4	0.0175812	2.99	
27	13C3-PFPeA	266 > 221.8	3.70e4	47.334	0.947	1.000	3.29	48.5	97.0	0.0107470	4.78	

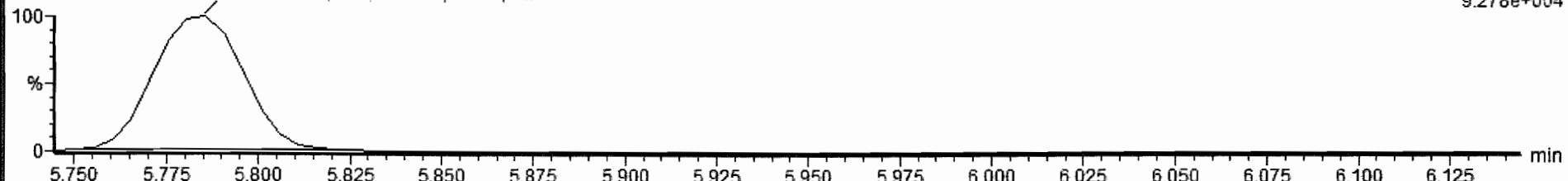
150508G1\_5 Smooth(Mn,1x2)  
PFC CS3 15E0813 ST150508G1-5 PFC CS3 15E0813

F6:MRM of 12 channels,ES-  
616.1 > 58.9  
2.002e+005



150508G1\_5 Smooth(Mn,1x2)  
PFC CS3 15E0813 ST150508G1-5 PFC CS3 15E0813

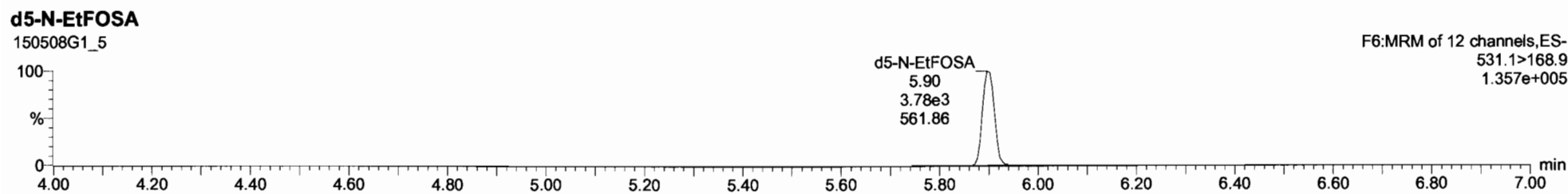
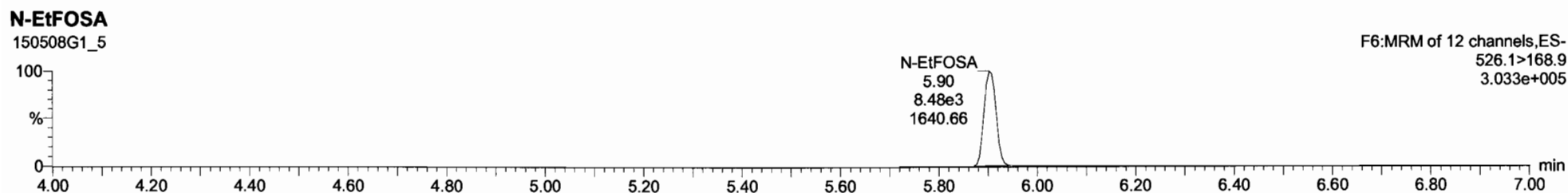
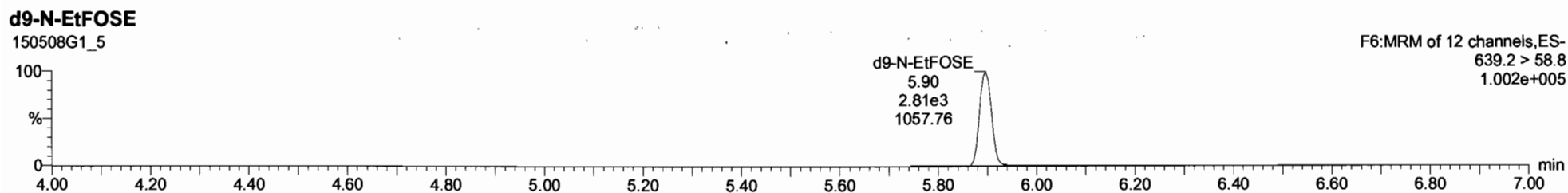
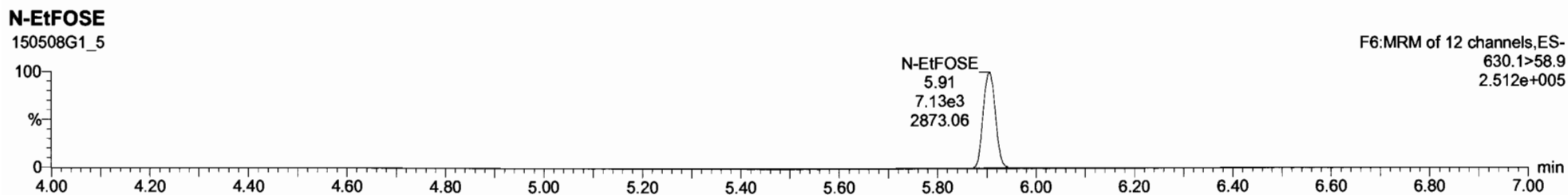
F6:MRM of 12 channels,ES-  
623.1 > 58.9  
9.278e+004



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

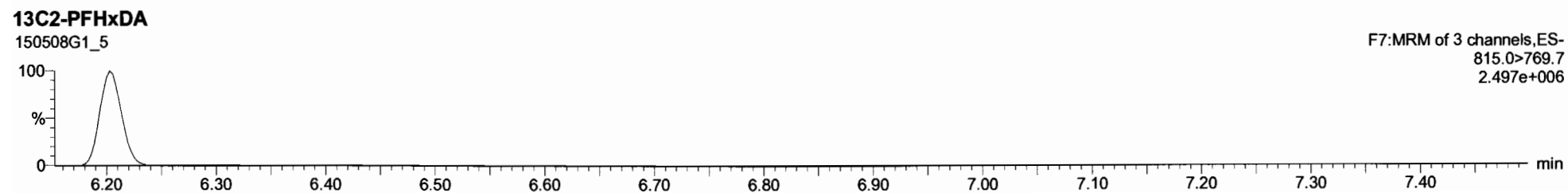
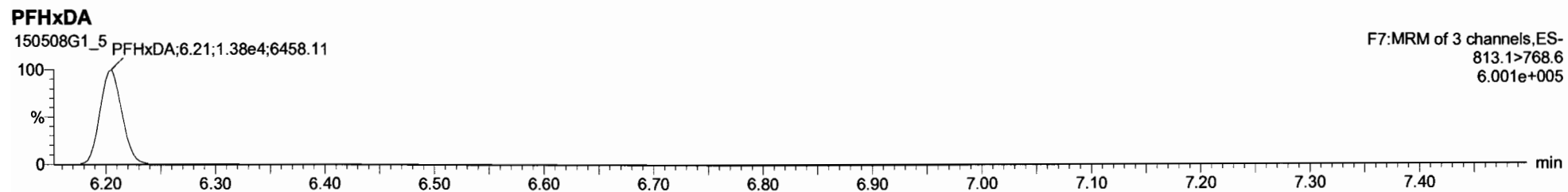
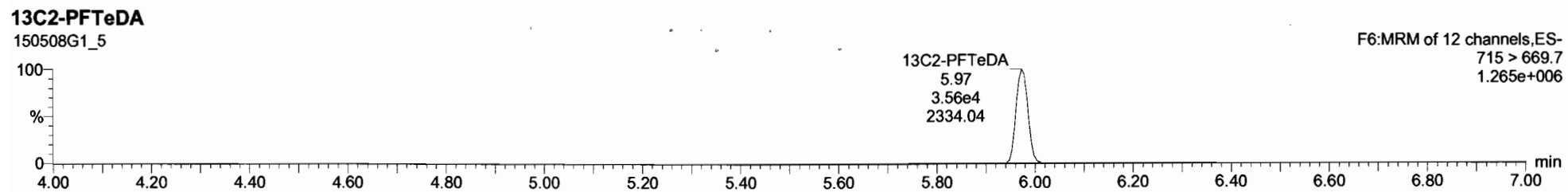
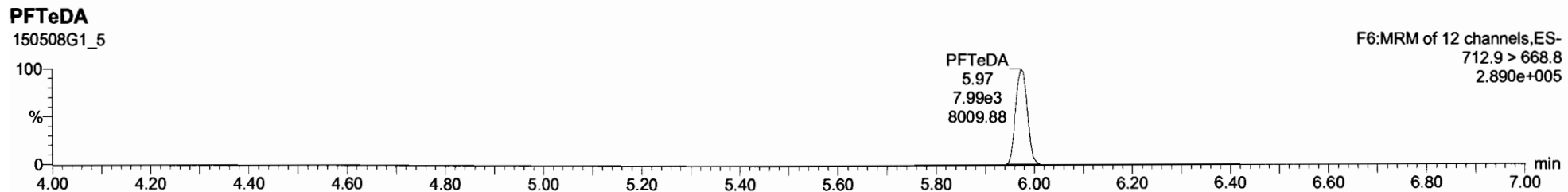
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813



Dataset: Untitled

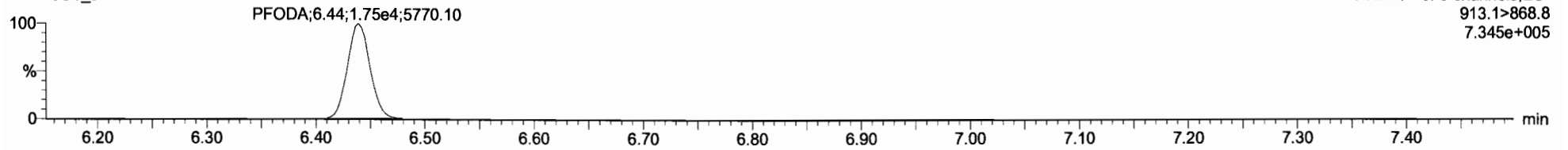
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

**PFODA**

150508G1\_5

F7:MRM of 3 channels,ES-  
913.1>868.8  
7.345e+005

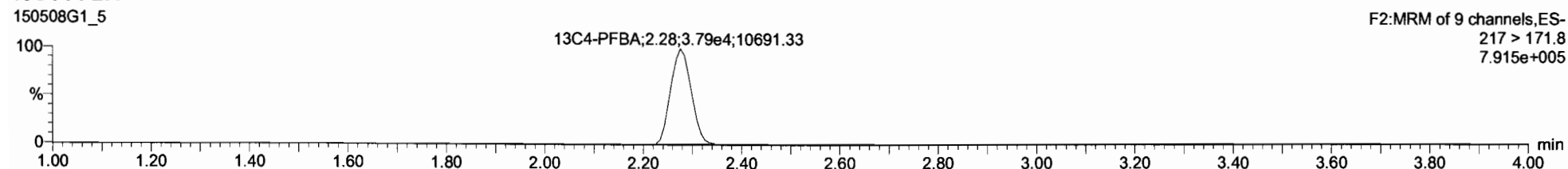


Dataset: Untitled

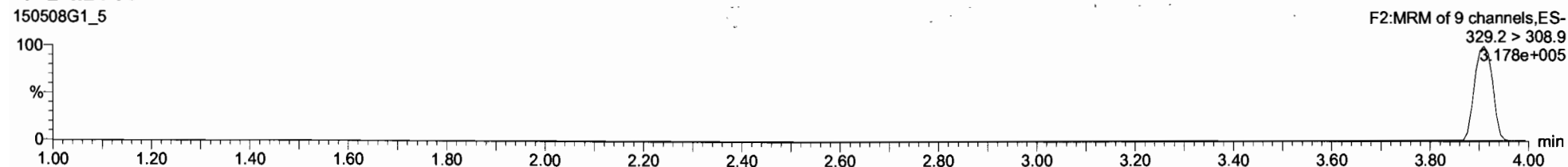
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

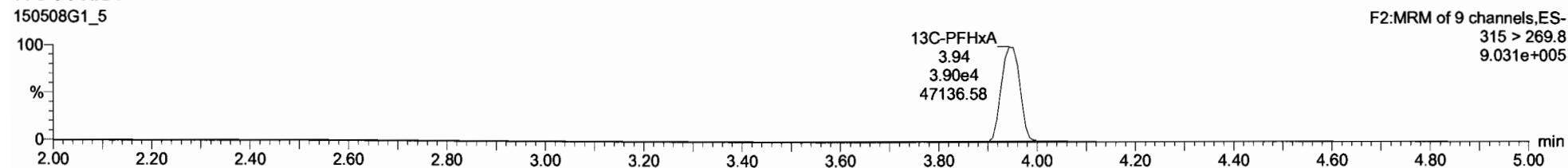
**13C4-PFBA**



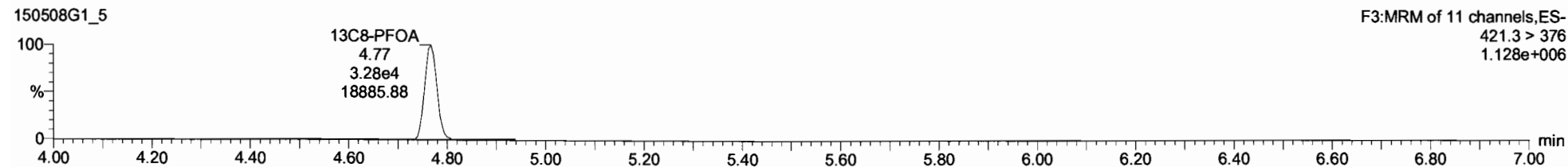
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**

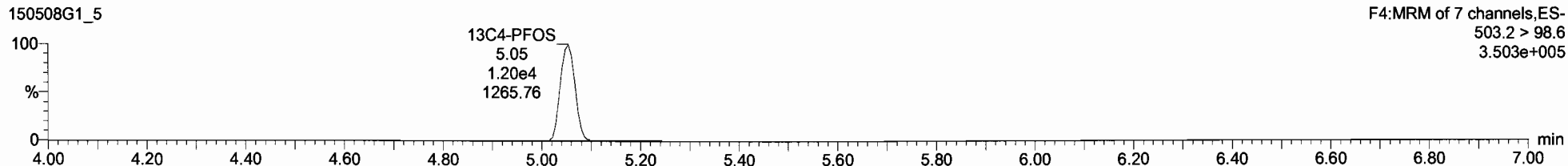


Dataset: Untitled

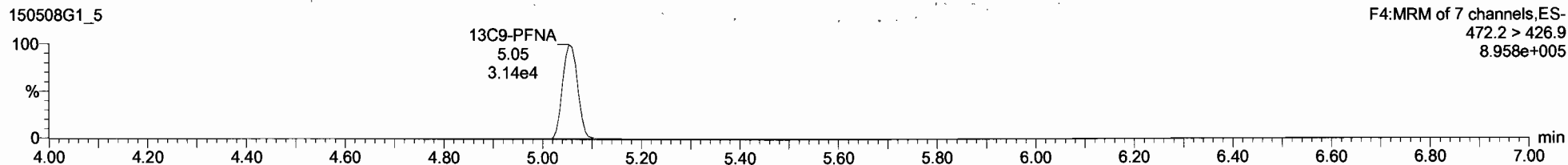
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

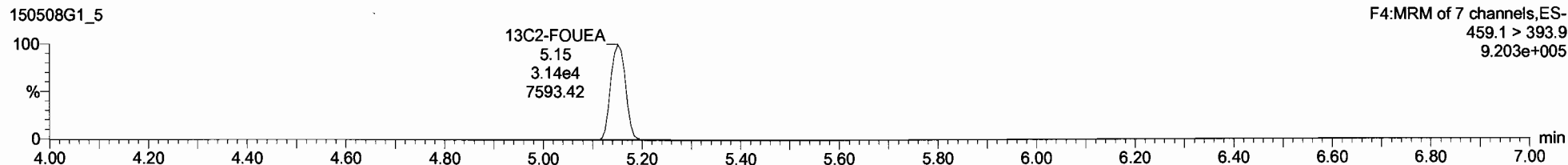
13C4-PFOS



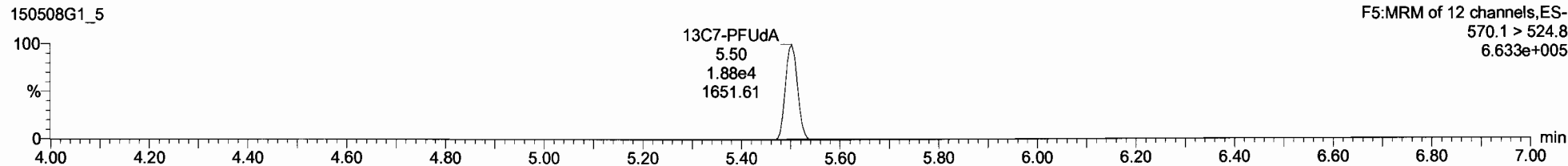
13C9-PFNA



13C2-FOUEA



13C7-PFUdA



Dataset:      Untitled

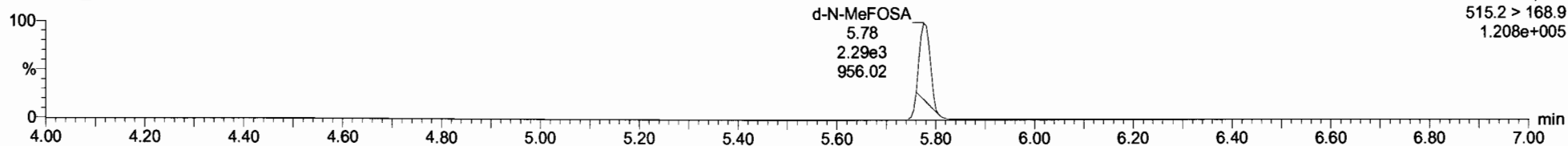
Last Altered:    Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed:          Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_5, Date: 08-May-2015, Time: 16:36:21, ID: ST150508G1-5 PFC CS3 15E0813, Description: PFC CS3 15E0813

**d-N-MeFOSA**

150508G1\_5

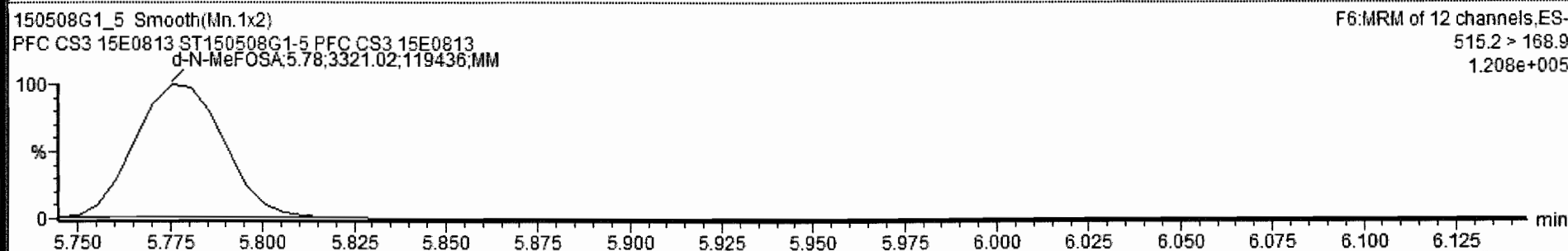
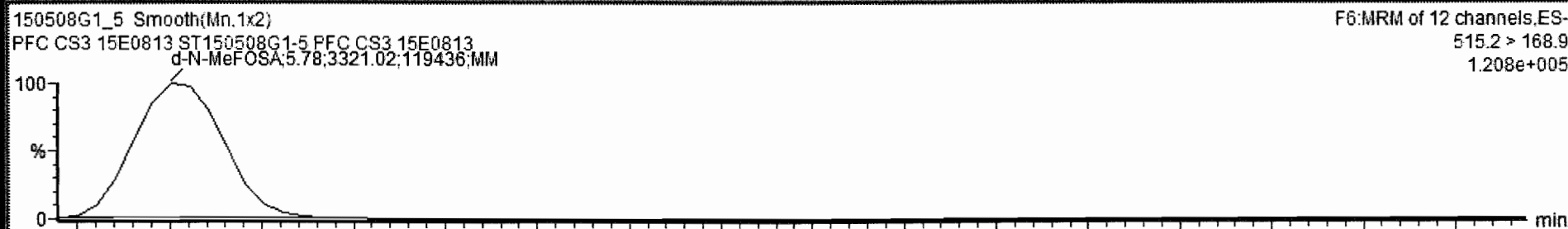
F6:MRM of 12 channels,ES-  
515.2 > 168.9  
1.208e+005





150508G1\_5 - ST150508G1-5 PFC CS3 15E0813 - PFC CS3 15E0813

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
44	13C4-PFBA	217 > 171.8	3.79e4	50.000	1.000	2.28	50.0	100.0	0.0116917	0.000000...	
45	13C2-4:2 FTS	329.2 > 308.9	1.34e4	50.000	1.000	3.91	50.0	100.0	0.0073529	0.000000...	
46	13C-PFHxA	315 > 269.8	3.90e4	50.000	1.000	3.94	50.0	100.0	0.0026519	0.000	
47	13C8-PFOA	421.3 > 376	3.28e4	50.000	1.000	4.77	50.0	100.0	0.0066187	0.000	
48	13C4-PFOS	503.2 > 98.6	1.20e4	50.000	1.000	5.05	50.0	100.0	0.0987552	0.000000...	
49	13C2-FOUEA	459.1 > 393.9	3.14e4	50.000	1.000	5.15	50.0	100.0	0.0164616	0.000	
50	13C9-PFNA	472.2 > 426.9	3.14e4	50.000	1.000	5.05	50.0	100.0	0.0000000	0.000	
51	13C7-PFUDa	570.1 > 524.8	1.88e4	50.000	1.000	5.50	50.0	100.0	0.0756839	0.000000...	
52	d-N-MeFOSA	515.2 > 168.9	3.32e3	50.000	1.000	5.78	50.0	100.0	0.1047792	0.000000...	
53	Total PFBS	299 > 79.7	6.37e3		1.000		13.1				0.0000
54	Total PFHxS	398.9 > 79.6	5.07e3		1.000		11.8				
55	Total PFHpS	449 > 98.7	2.31e3		1.000		11.7				
56	Total PFOS	499 > 98.7	2.76e3		1.000		11.0				





Dataset: Untitled

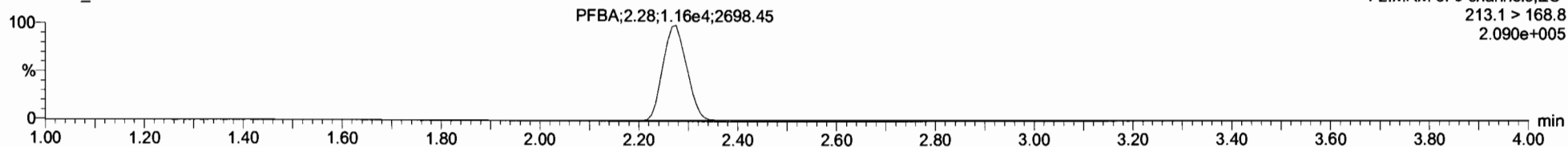
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_6, Date: 08-May-2015, Time: 16:49:03, ID: ST150508G1-6 PFC CS4 15E0807, Description: PFC CS4 15E0807

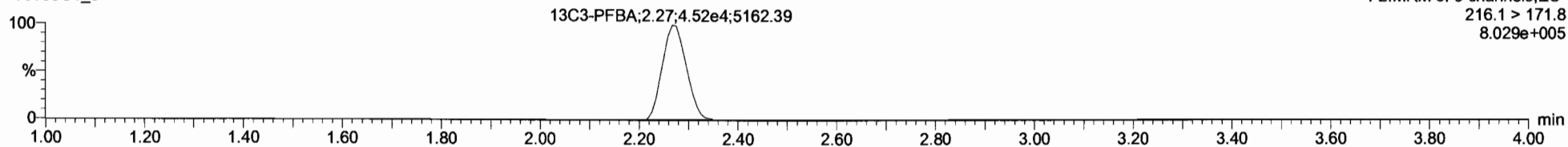
**PFBA**

150508G1\_6



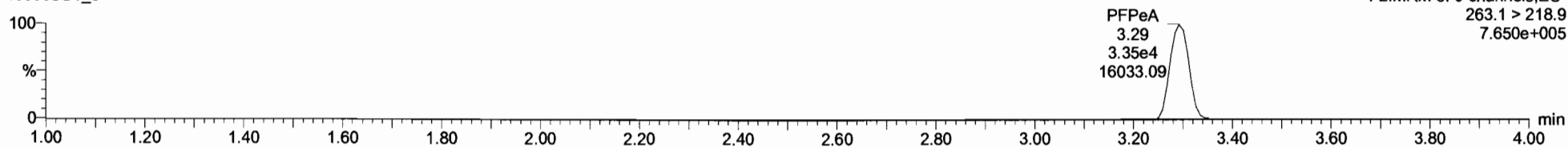
**13C3-PFBA**

150508G1\_6



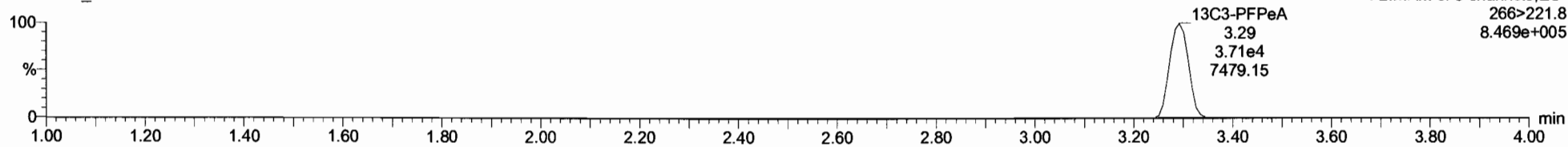
**PFPeA**

150508G1\_6



**13C3-PFPeA**

150508G1\_6



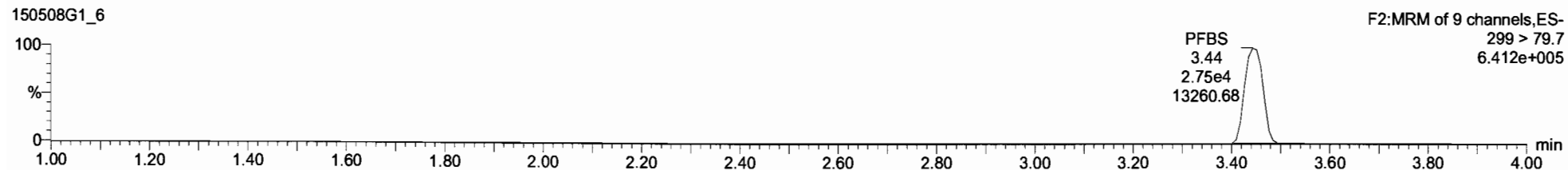
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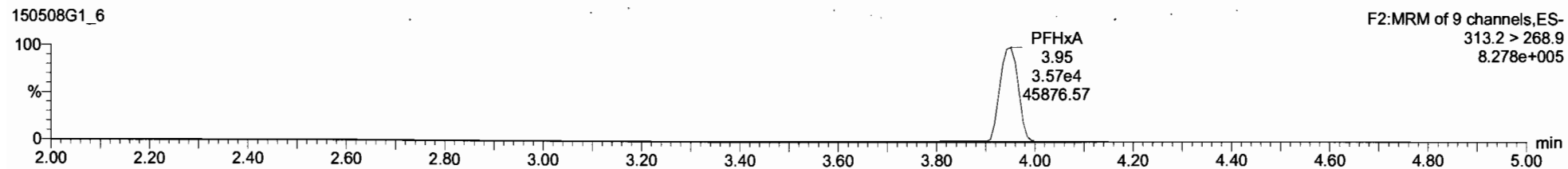
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Name: 150508G1\_6, Date: 08-May-2015, Time: 16:49:03, ID: ST150508G1-6 PFC CS4 15E0807, Description: PFC CS4 15E0807

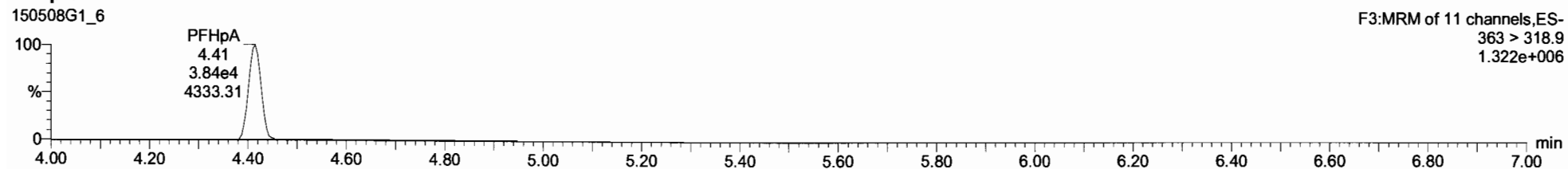
**PFBS**



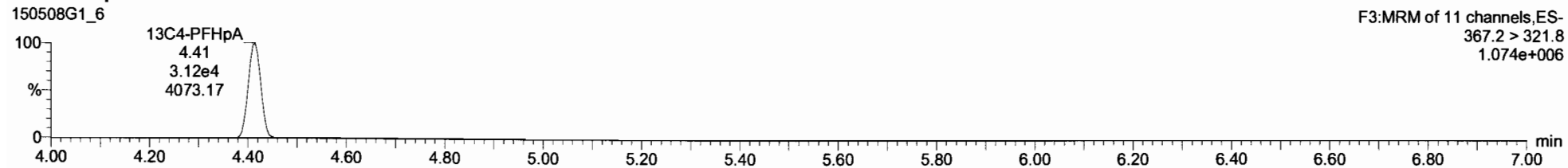
**PFHxA**



**PFHpA**



**13C4-PFHpA**



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

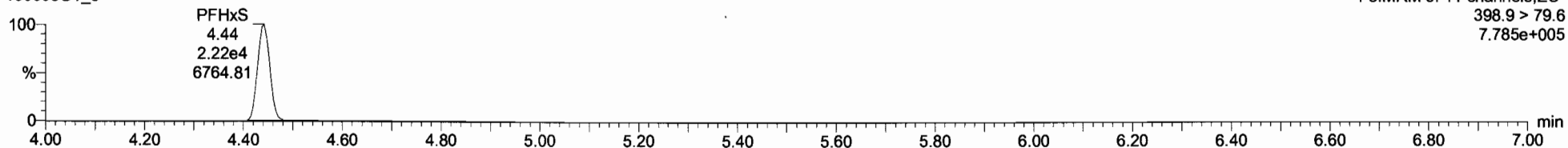
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Name: 150508G1\_6, Date: 08-May-2015, Time: 16:49:03, ID: ST150508G1-6 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFHxS**

150508G1\_6

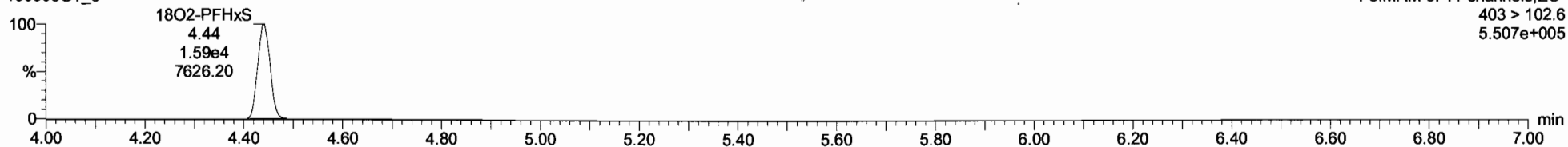
F3:MRM of 11 channels,ES-  
398.9 > 79.6  
7.785e+005



**18O2-PFHxS**

150508G1\_6

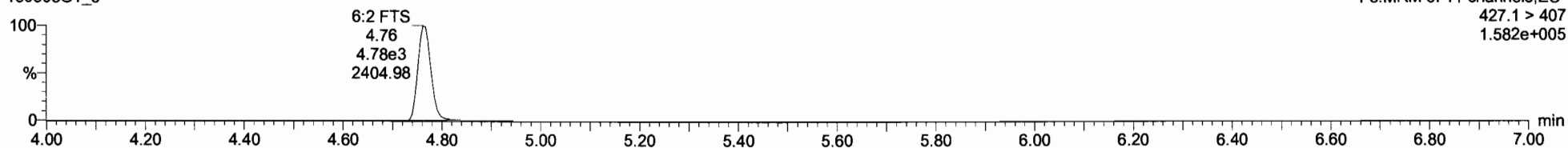
F3:MRM of 11 channels,ES-  
403 > 102.6  
5.507e+005



**6:2 FTS**

150508G1\_6

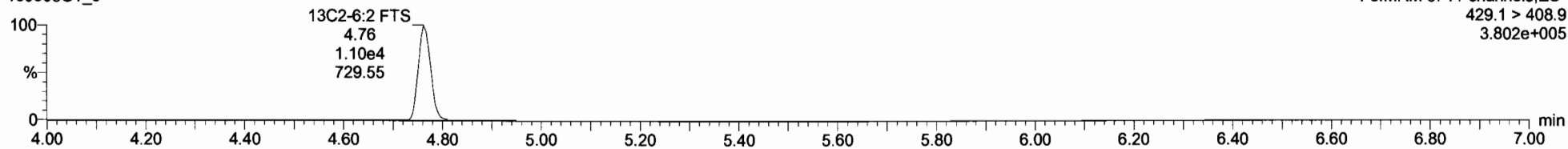
F3:MRM of 11 channels,ES-  
427.1 > 407  
1.582e+005



**13C2-6:2 FTS**

150508G1\_6

F3:MRM of 11 channels,ES-  
429.1 > 408.9  
3.802e+005

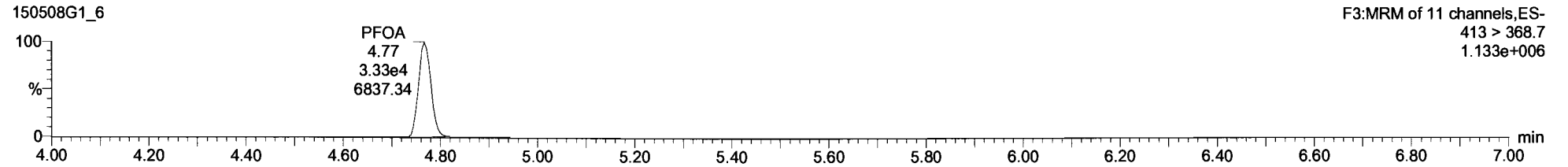


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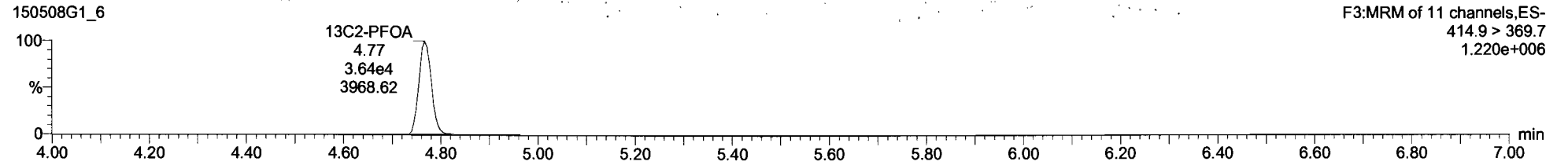
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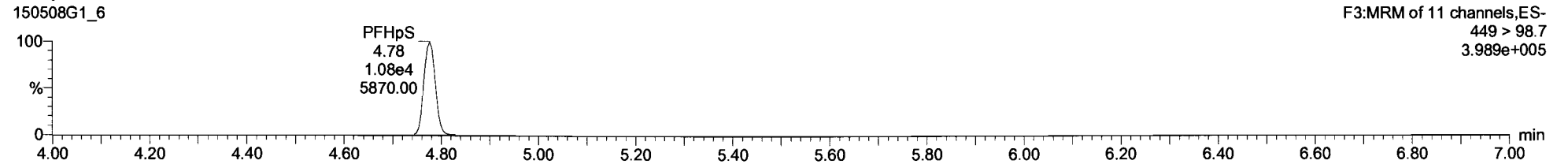
**PFOA**



**13C2-PFOA**



**PFHpS**

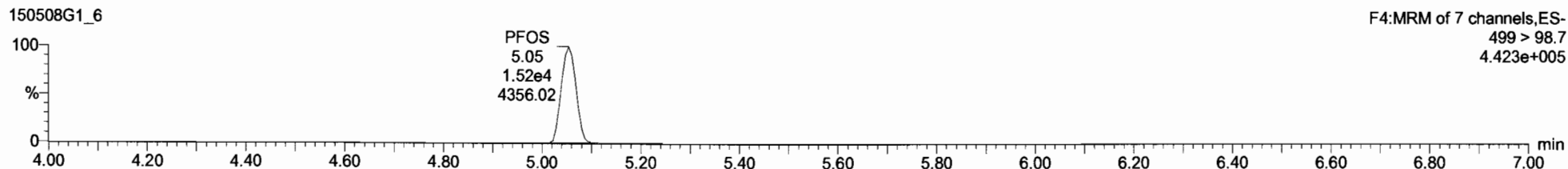


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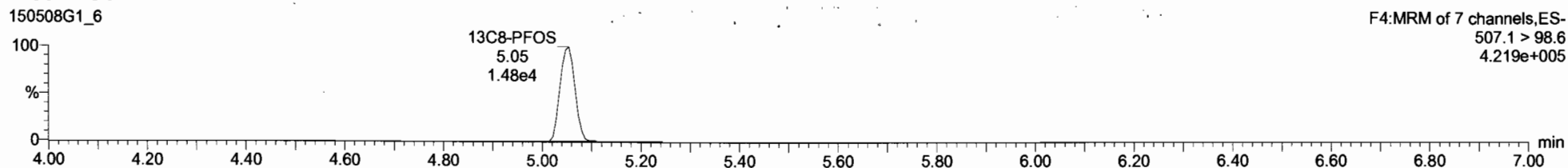
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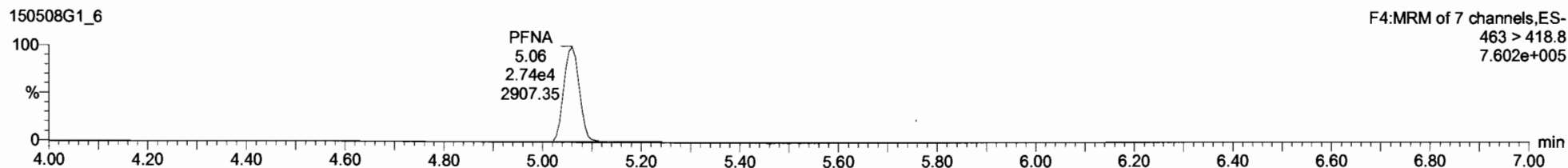
**PFOS**



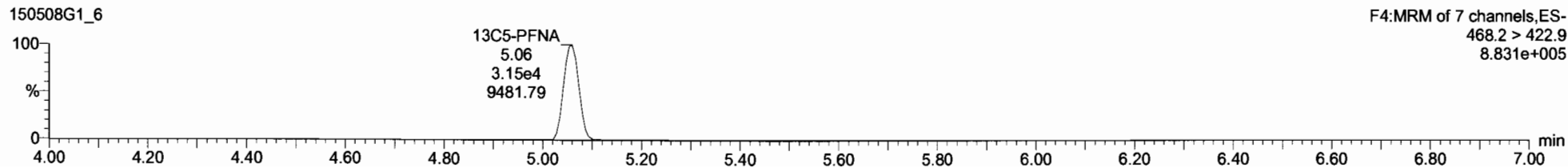
**13C8-PFOS**



**PFNA**



**13C5-PFNA**

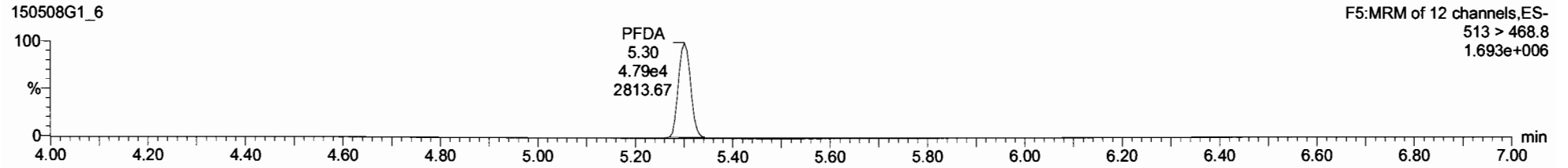


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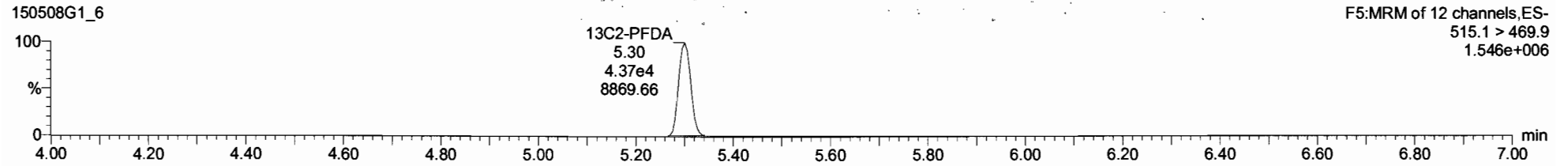
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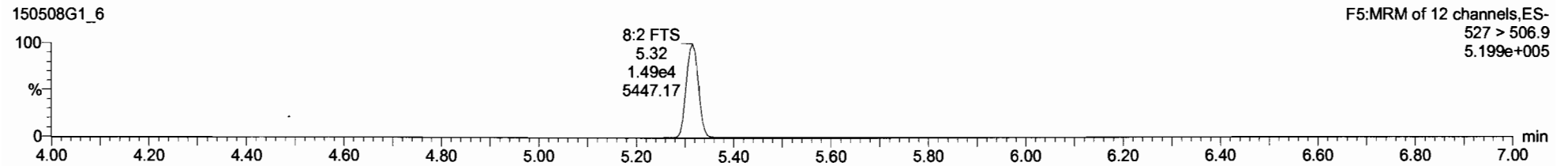
**PFDA**



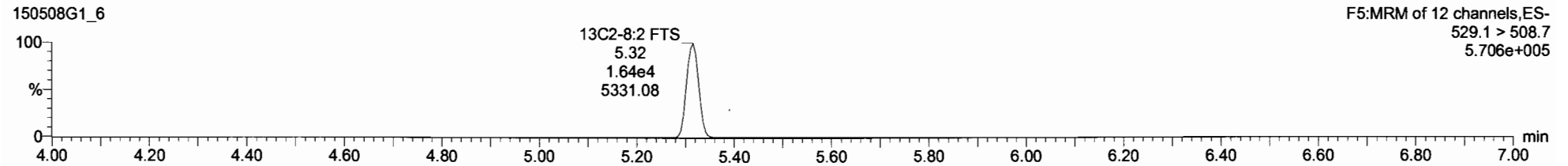
**13C2-PFDA**



**8:2 FTS**



**13C2-8:2 FTS**

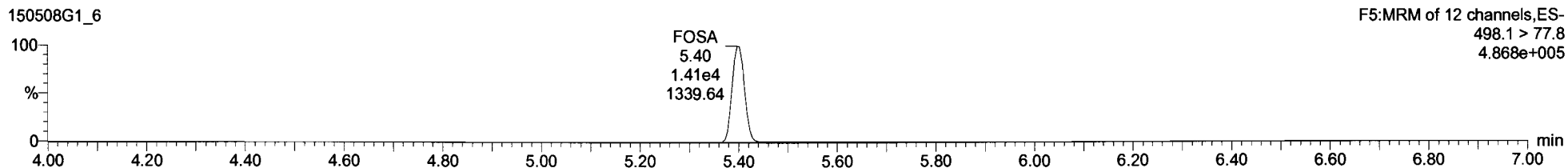


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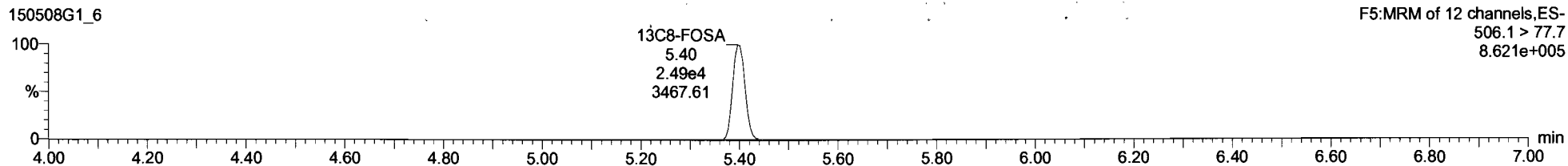
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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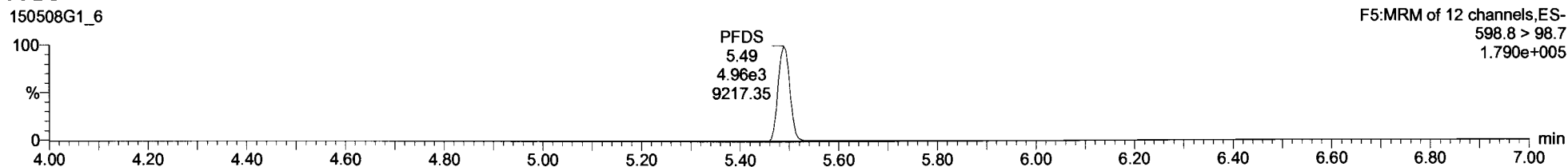
**FOSA**



**<sup>13</sup>C8-FOSA**



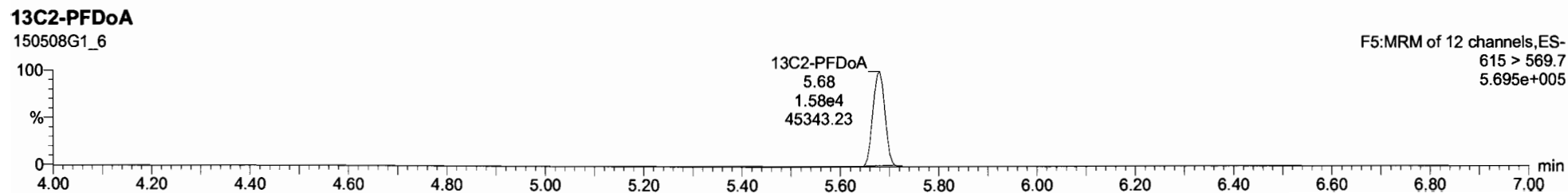
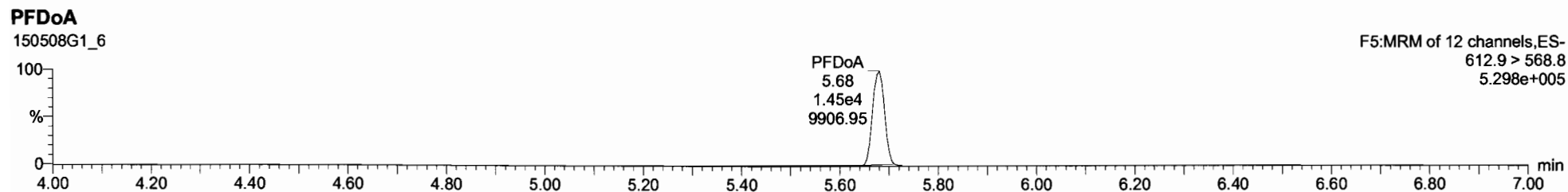
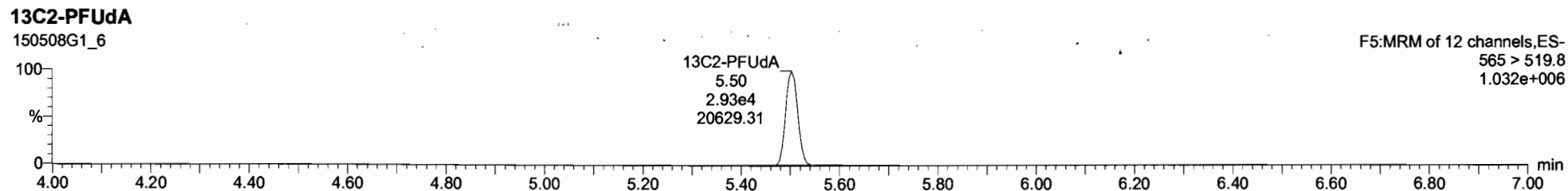
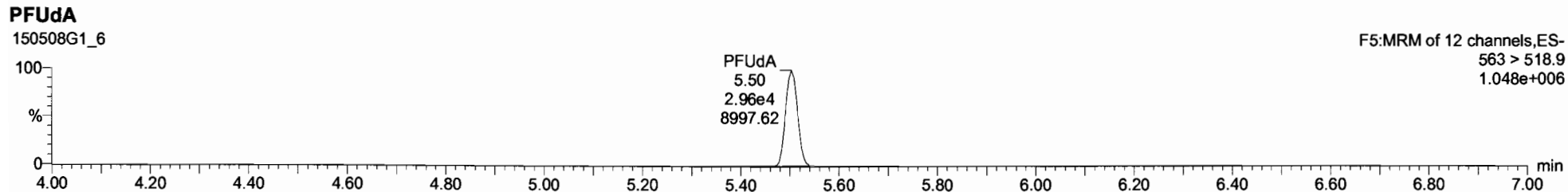
**PFDS**



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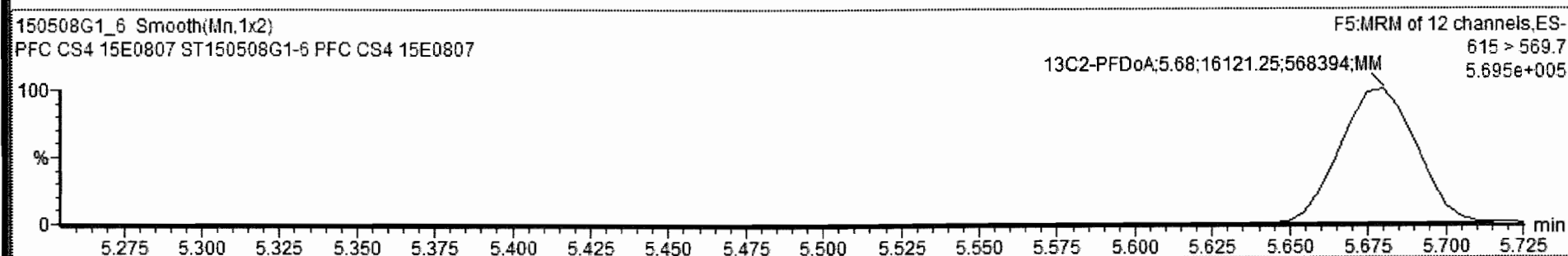
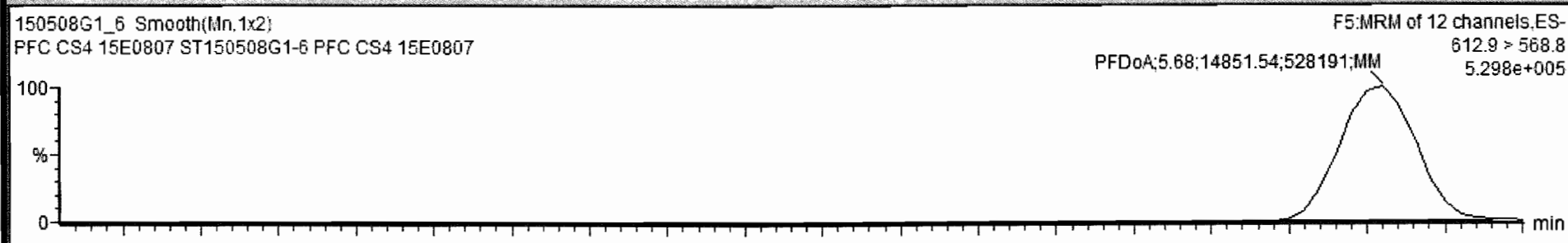






150508G1\_6 - ST150508G1-6 PFC CS4 15E0807 - PFC CS4 15E0807

Name	Trace	Area	Response	RRF	WV/VoL	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	4.96e3	5.673	0.113	1.000	5.49	49.4	98.9	0.0208558	0.9999
16	PFUdA	563 > 518.9	2.96e4	50.475	1.010	1.000	5.50	49.2	98.4	0.0136940	0.9999
17	PFDaA	612.9 > 568.8	1.49e4	46.062	0.921	1.000	5.68	51.4	102.9	0.0135084	0.9998
18	N-MeFOFA	512.1 > 168.9	7.20e3	2239.119	4.478	1.000	5.78	1000	200.1	100.0008206	0.9372
19	N-MeFOFE	616.1 > 58.9	1.39e3	433.913	0.868	1.000	5.79	491	98.1	1.4304356	0.9998
20	PFTrDA	662.9 > 618.9	4.85e3	8.277	0.166	1.000	5.84	51.5	103.0	27.9824748	0.9955
21	N-EiFOFE	630.1 > 58.9	2.10e3	544.309	1.089	1.000	5.91	508	101.6	2.3221868	0.9999
22	N-EiFOFA	526.1 > 168.9	9.84e3	478.908	0.958	1.000	5.90	455	91.0	0.8979708	0.9991
23	PFTeDA	712.9 > 668.8	3.97e3	43.193	0.864	1.000	5.97	47.7	95.5	0.0579095	0.9996
24	PFHxDA	813.1 > 768.6	3.02e4	45.400	0.908	1.000	6.21	49.8	99.5	0.0132098	0.9991
25	PFODA	913.1 > 868.8	8.25e4	124.031	2.481	1.000	6.44	74.8	149.5	0.0116508	0.9790
26	13C3-PFBA	216.1 > 171.8	4.52e4	50.108	1.002	1.000	2.27	48.2	96.4	0.0236068	2.99
27	13C3-PFPeA	266 > 221.8	3.71e4	45.570	0.911	1.000	3.29	46.7	93.4	0.0154821	4.78

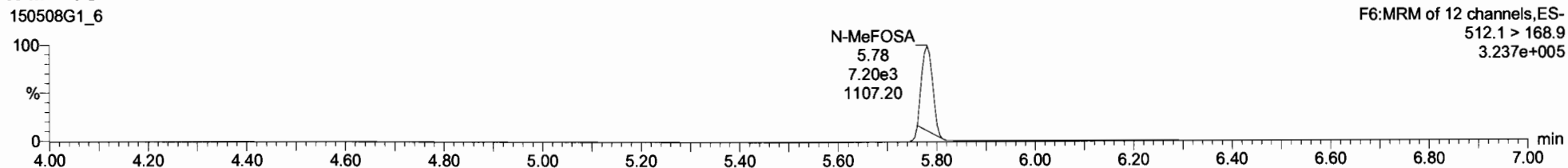


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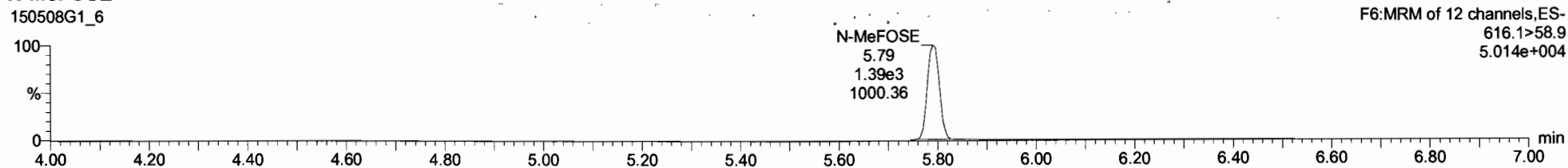
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Printed:        Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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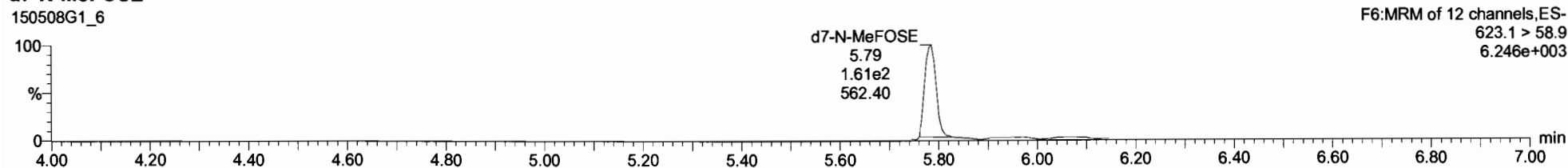
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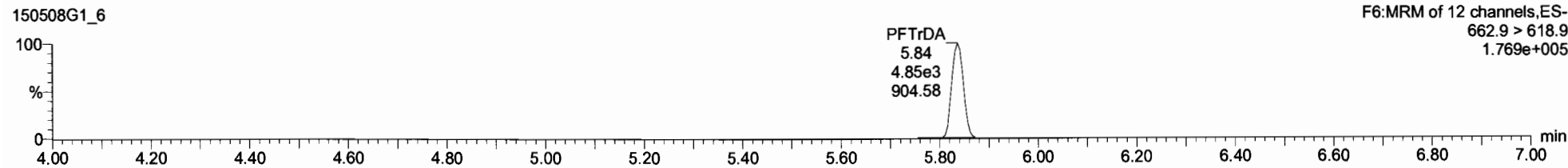
**N-MeFOSE**



**d7-N-MeFOSE**

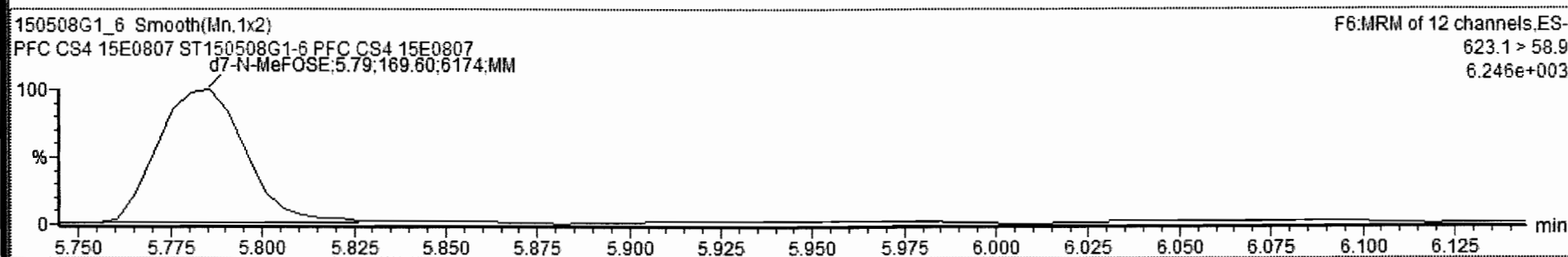
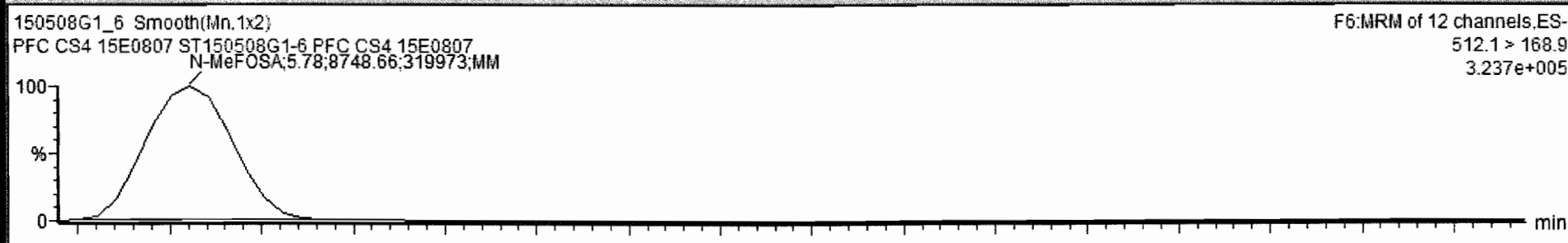


**PFTTrDA**



150508G1\_6 - ST150508G1-6 PFC CS4 15E0807 - PFC CS4 15E0807

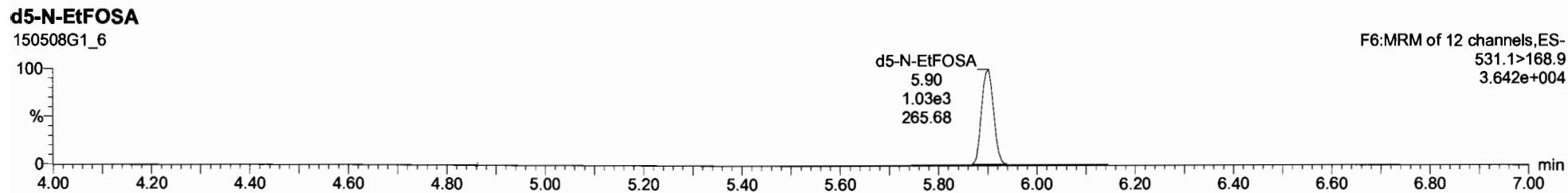
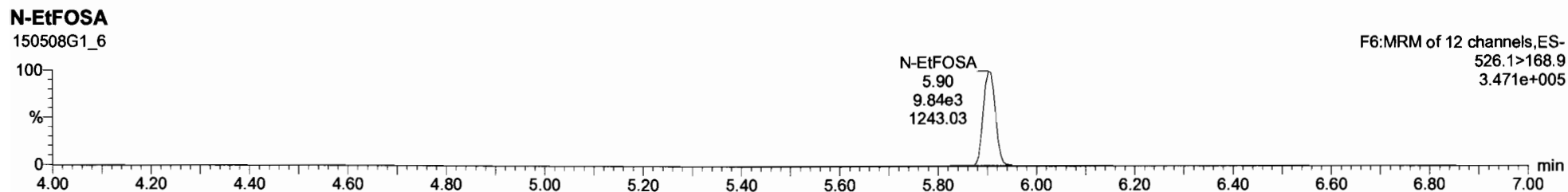
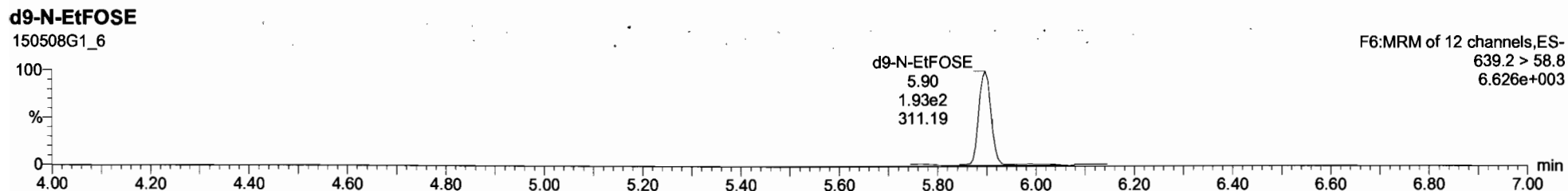
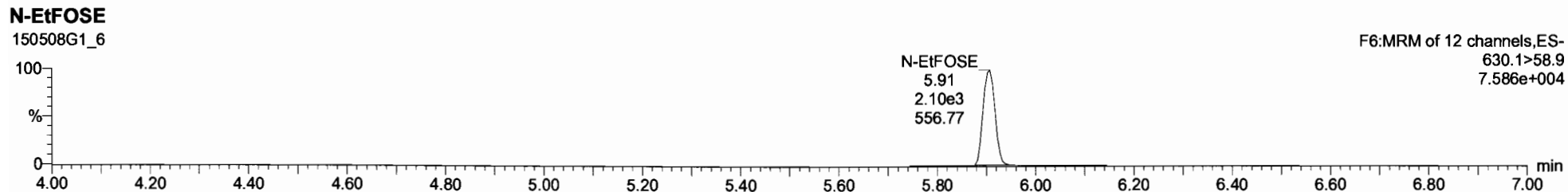
Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
15	PFDS	598.8 > 98.7	4.96e3	5.673	0.113	1.000	5.49	49.4	98.9	0.0208558	0.9999
16	PFUdA	563 > 518.9	2.96e4	50.475	1.010	1.000	5.50	49.2	98.4	0.0136940	0.9999
17	PFDpA	612.9 > 568.8	1.49e4	46.062	0.921	1.000	5.68	51.4	102.9	0.0135084	0.9998
18	N-MeFOSA	512.1 > 168.9	8.75e3	2579.175	5.158	1.000	5.78	1040	207.8	26.6635935	0.9214
19	N-MeFOSE	616.1 > 58.9	1.39e3	411.117	0.822	1.000	5.79	476	95.3	1.4426312	0.9997
20	PFTrDA	662.9 > 618.9	4.85e3	8.277	0.166	1.000	5.84	51.5	103.0	27.9824748	0.9955
21	N-EtFOSE	630.1 > 58.9	2.10e3	544.309	1.089	1.000	5.91	508	101.6	2.3221868	0.9999
22	N-EtFOSA	526.1 > 168.9	9.84e3	478.908	0.958	1.000	5.90	455	91.0	0.8979708	0.9991
23	PFTeDA	712.9 > 668.8	3.97e3	43.193	0.864	1.000	5.97	47.7	95.5	0.0579095	0.9996
24	PFHxDA	813.1 > 768.6	3.02e4	45.400	0.908	1.000	6.21	49.8	99.5	0.0132098	0.9991
25	PFODA	913.1 > 868.8	8.25e4	124.031	2.481	1.000	6.44	74.8	149.5	0.0116508	0.9790
26	13C3-PFBA	216.1 > 171.8	4.52e4	50.108	1.002	1.000	2.27	48.2	96.4	0.0236068	2.99
27	13C3-PFPeA	266 > 221.8	3.71e4	45.570	0.911	1.000	3.29	46.7	93.4	0.0154821	4.78



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

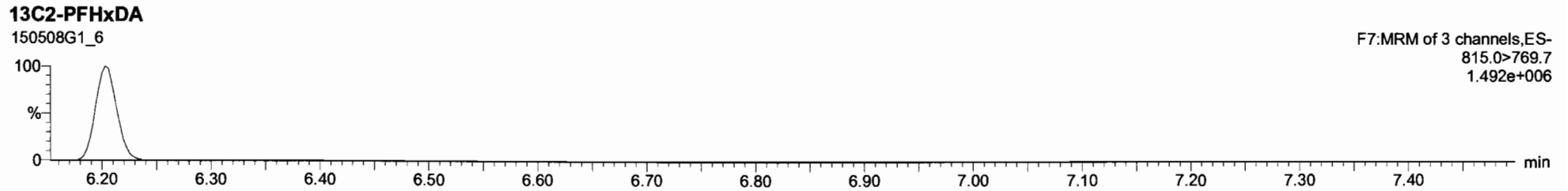
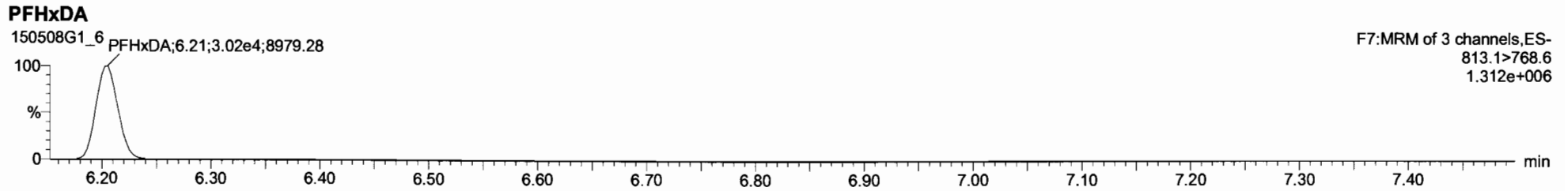
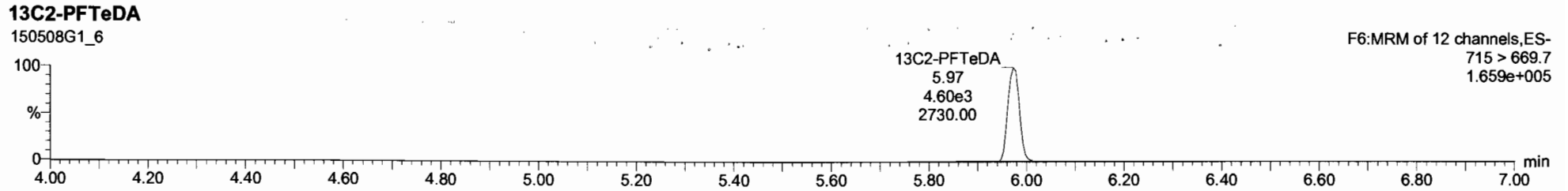
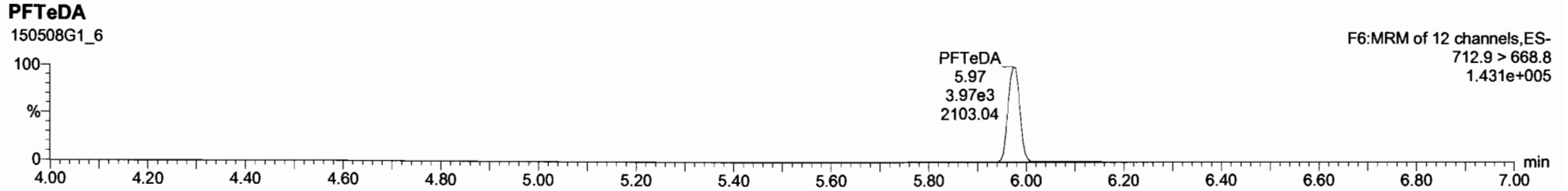
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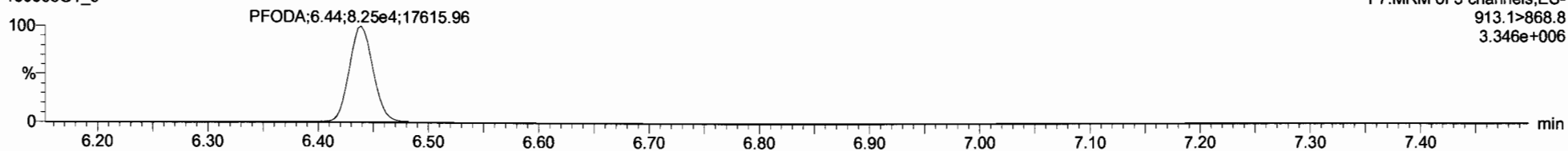
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_6, Date: 08-May-2015, Time: 16:49:03, ID: ST150508G1-6 PFC CS4 15E0807, Description: PFC CS4 15E0807

**PFODA**

150508G1\_6

F7:MRM of 3 channels,ES-  
913.1>868.8  
3.346e+006

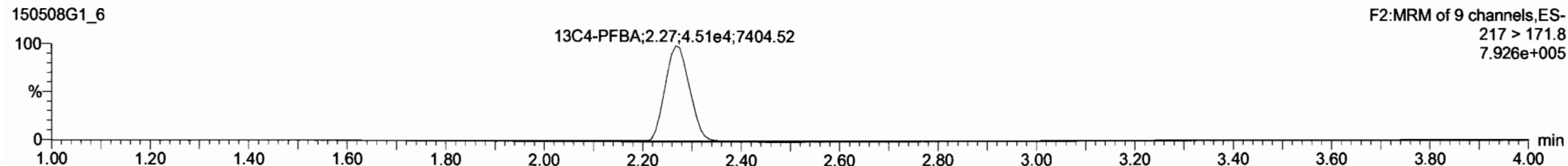


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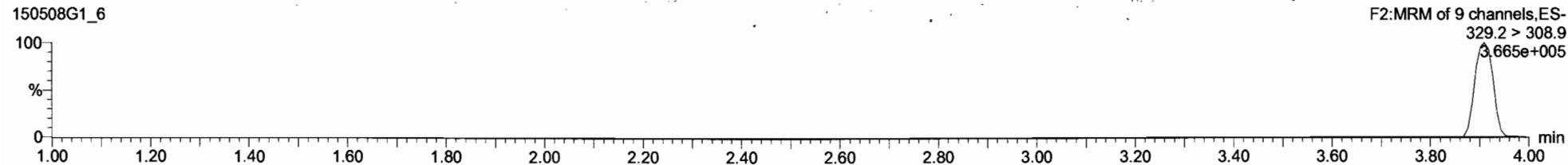
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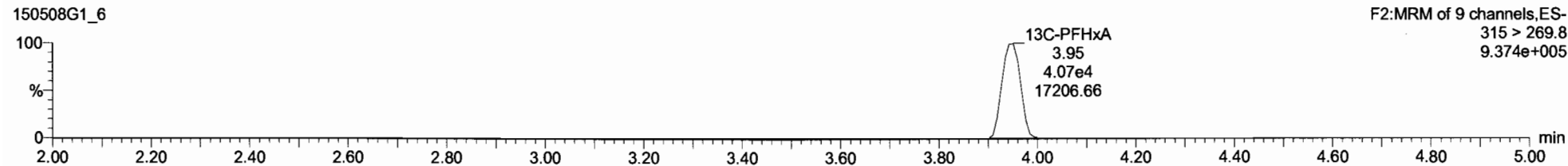
**13C4-PFBA**



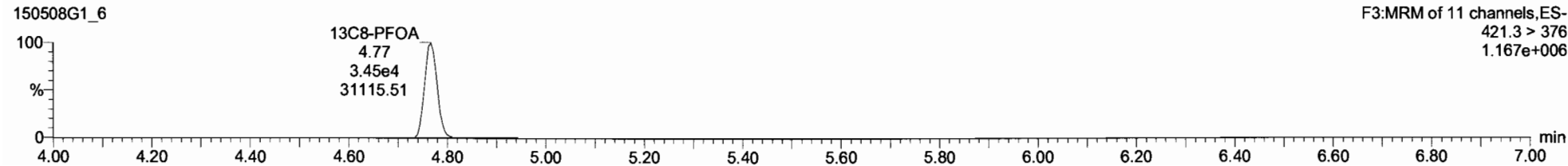
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**

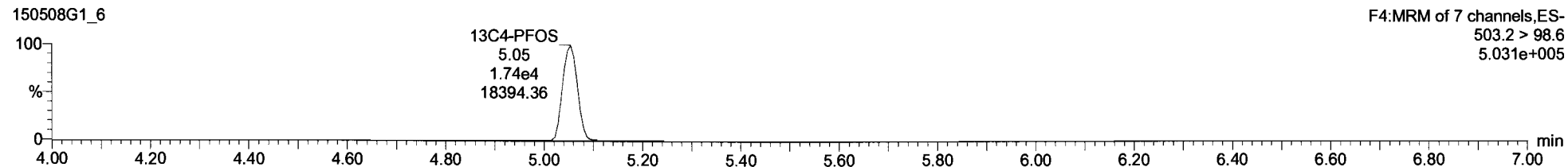


Dataset:      Untitled

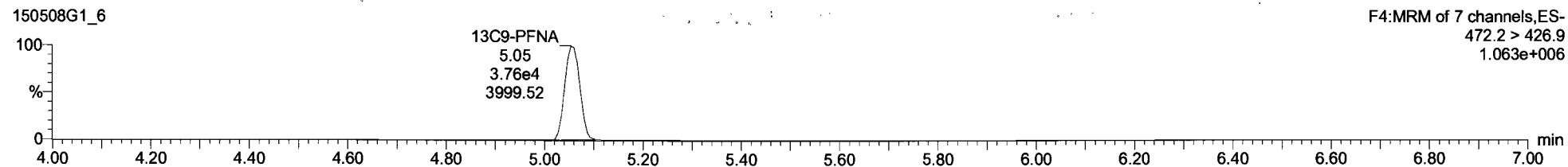
Last Altered:    Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed:          Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_6, Date: 08-May-2015, Time: 16:49:03, ID: ST150508G1-6 PFC CS4 15E0807, Description: PFC CS4 15E0807

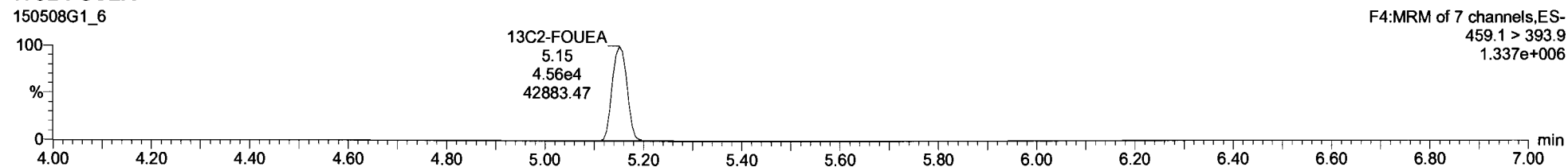
**13C4-PFOS**



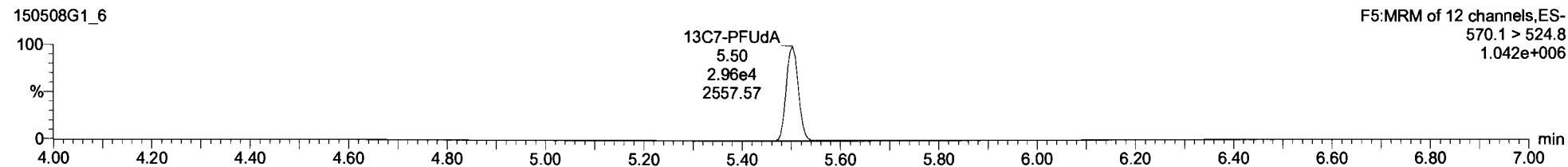
**13C9-PFNA**



**13C2-FOUEA**



**13C7-PFUdA**





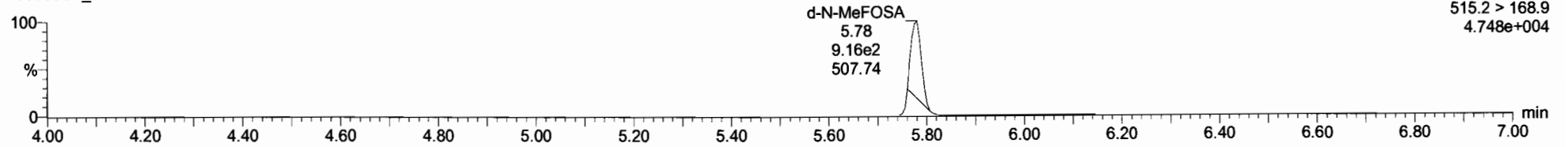
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Last Altered:    Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed:        Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_6, Date: 08-May-2015, Time: 16:49:03, ID: ST150508G1-6 PFC CS4 15E0807, Description: PFC CS4 15E0807

**d-N-MeFOSA**  
150508G1\_6

F6:MRM of 12 channels,ES-  
515.2 > 168.9  
4.748e+004





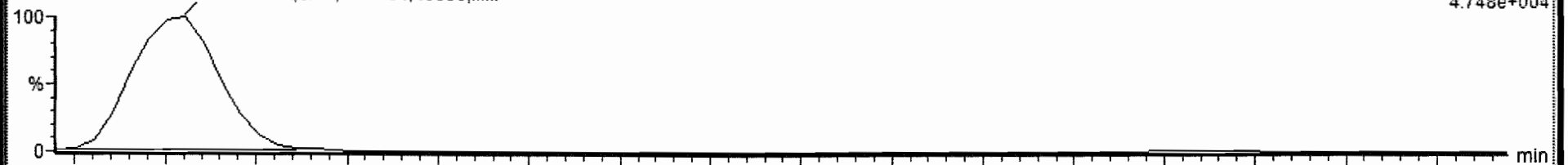
150508G1\_6 - ST150508G1-6 PFC CS4 15E0807 - PFC CS4 15E0807

	Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D..
42	13C2-PFTeDA	715 > 669.7	4.60e3	7.758	0.155	1.000	5.97	5.48	11.0	0.0051551	54.1	
43	13C2-PFHxDA	815.0 > 769.7	3.33e4	56.139	1.123	1.000	6.20	22.3	44.6	0.0052862	48.7	
44	13C4-PFBA	217 > 171.8	4.51e4	50.000	1.000	1.000	2.27	50.0	100.0	0.0168816	0.000000...	
45	13C2-4:2 FTS	329.2 > 308.9	1.55e4	50.000	1.000	1.000	3.91	50.0	100.0	0.0193835	0.000000...	
46	13C-PFHxA	315 > 269.8	4.07e4	50.000	1.000	1.000	3.95	50.0	100.0	0.0072846	0.000	
47	13C8-PFOA	421.3 > 376	3.45e4	50.000	1.000	1.000	4.77	50.0	100.0	0.0040173	0.000	
48	13C4-PFOS	503.2 > 98.6	1.74e4	50.000	1.000	1.000	5.05	50.0	100.0	0.0067956	0.000000...	
49	13C2-FOUEA	459.1 > 393.9	4.56e4	50.000	1.000	1.000	5.15	50.0	100.0	0.0029149	0.000	
50	13C9-PFNA	472.2 > 426.9	3.76e4	50.000	1.000	1.000	5.05	50.0	100.0	0.0312537	0.000	
51	13C7-PFUdA	570.1 > 524.8	2.96e4	50.000	1.000	1.000	5.50	50.0	100.0	0.0488744	0.000000...	
52	d-N-MeFOSA	515.2 > 168.9	1.30e3	50.000	1.000	1.000	5.78	50.0	100.0	0.2048007	0.000	
53	Total PFBS	299 > 79.7	2.75e4			1.000		55.9				0.0000
54	Total PFHxS	398.9 > 79.6	2.22e4			1.000		51.8				

150508G1\_6 Smooth(Mn,1x2)

PFC CS4 15E0807 ST150508G1-6 PFC CS4 15E0807  
d-N-MeFOSA;5.78;1304.51;46933;MM

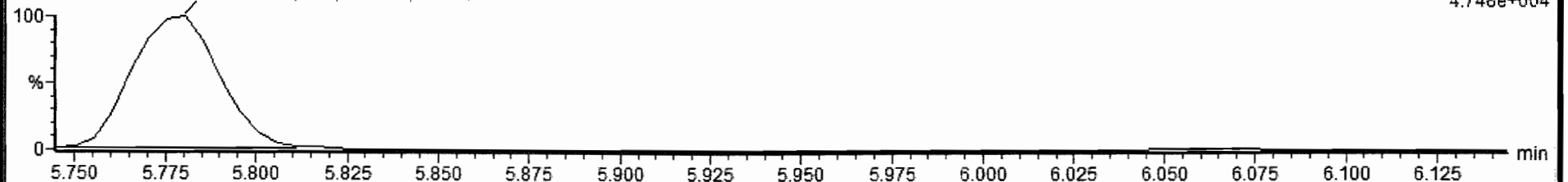
F6:MRM of 12 channels,ES-  
515.2 > 168.9  
4.748e+004



150508G1\_6 Smooth(Mn,1x2)

PFC CS4 15E0807 ST150508G1-6 PFC CS4 15E0807  
d-N-MeFOSA;5.78;1304.51;46933;MM

F6:MRM of 12 channels,ES-  
515.2 > 168.9  
4.748e+004



Ready

150508G1\_6

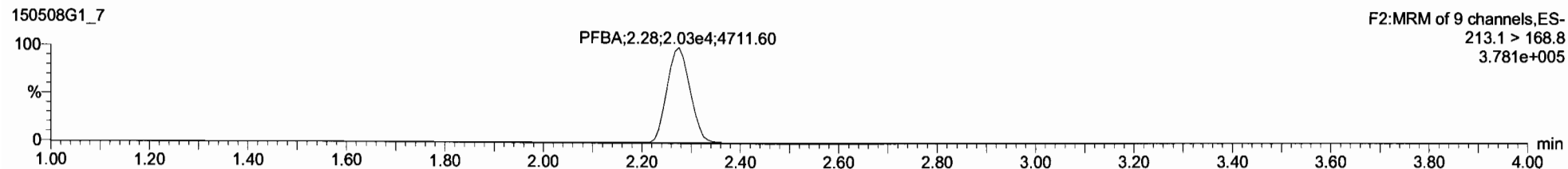
CAP NUM

Dataset: Untitled

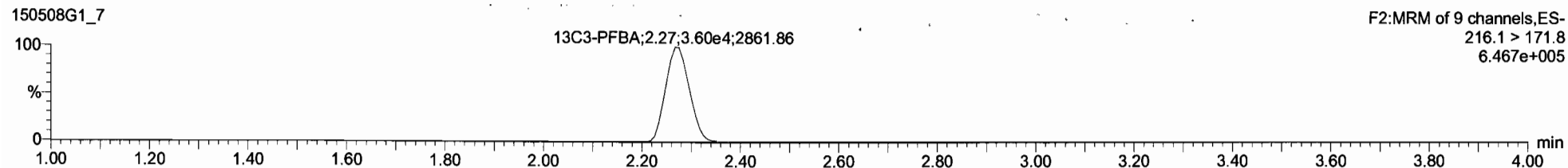
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

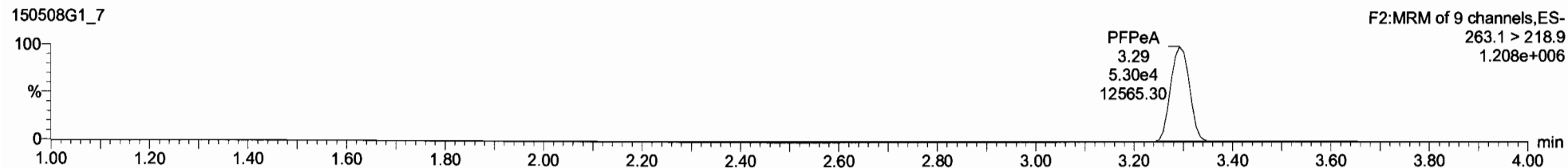
**PFBA**



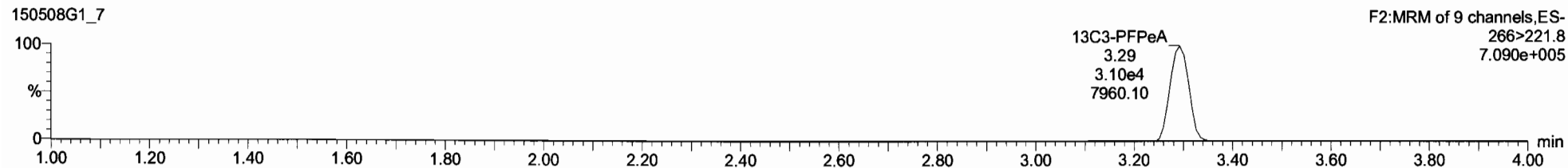
**13C3-PFBA**



**PFPeA**



**13C3-PFPeA**

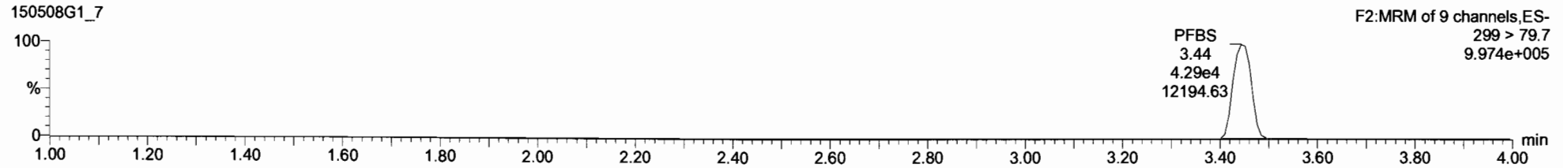


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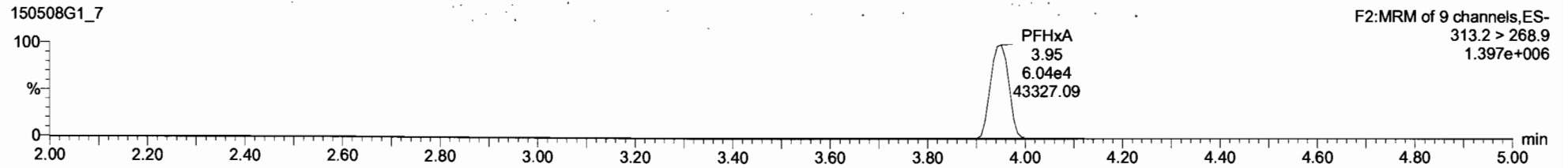
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

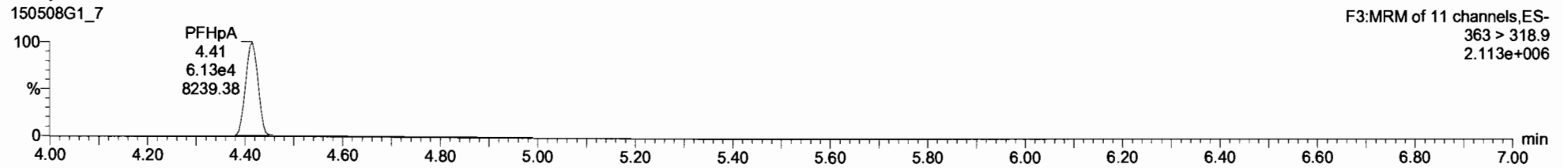
**PFBS**



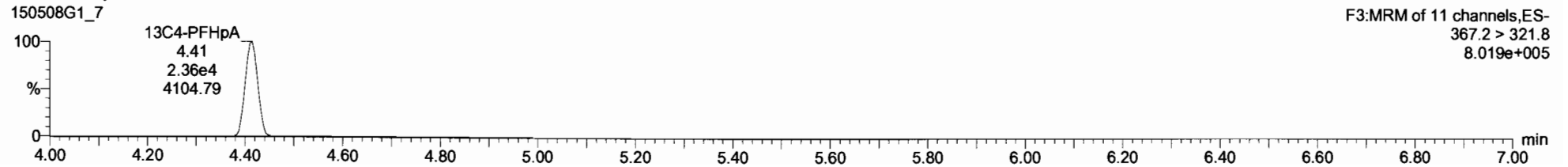
**PFHxA**



**PFHpA**



**13C4-PFHpA**

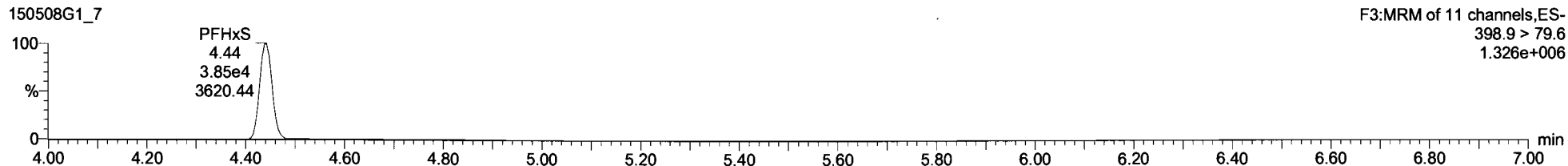


Dataset: Untitled

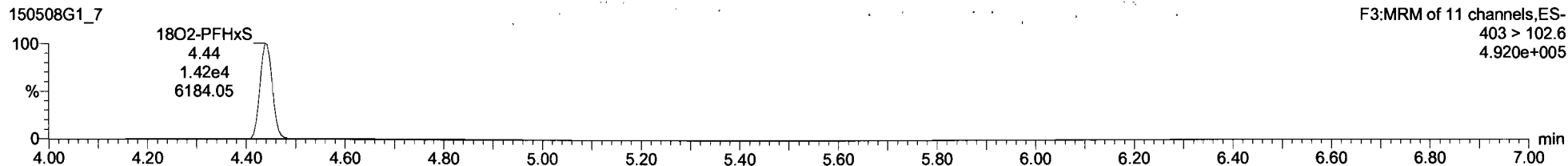
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

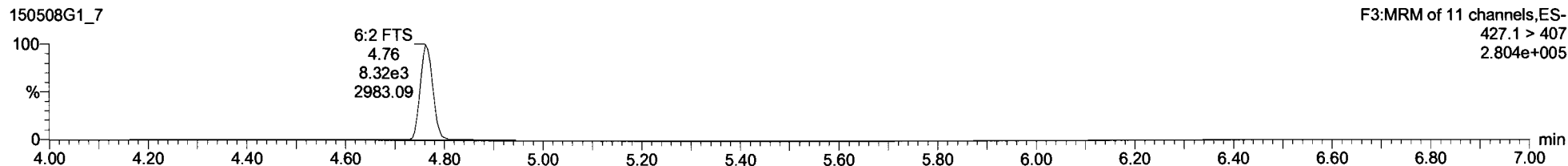
**PFHxS**



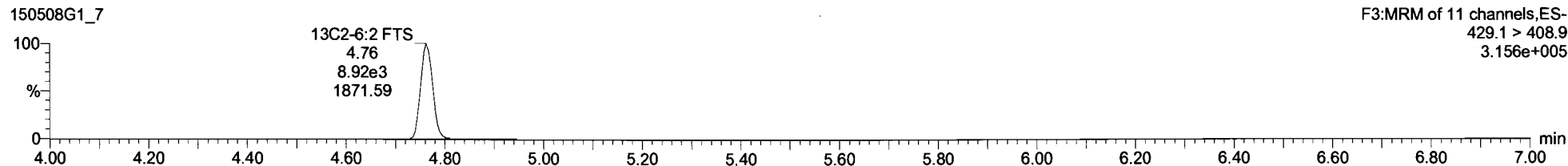
**18O2-PFHxS**



**6:2 FTS**



**13C2-6:2 FTS**

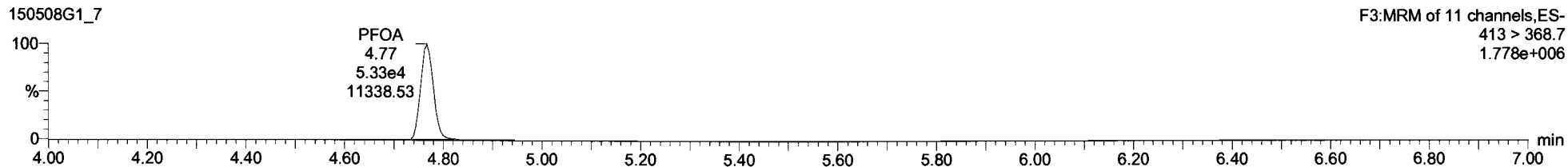


Dataset: Untitled

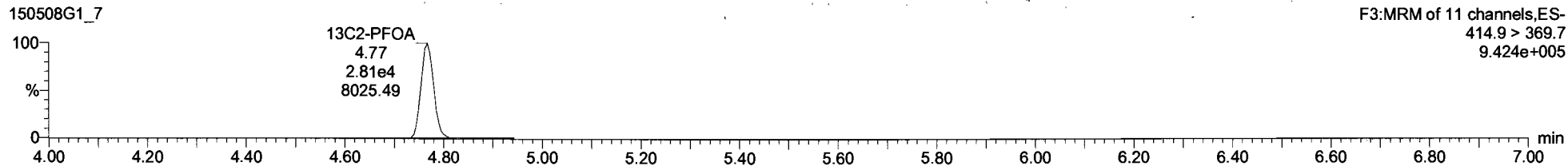
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

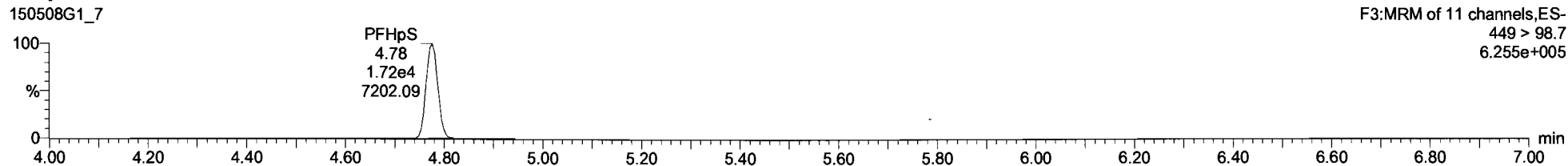
**PFOA**



**13C2-PFOA**



**PFHpS**



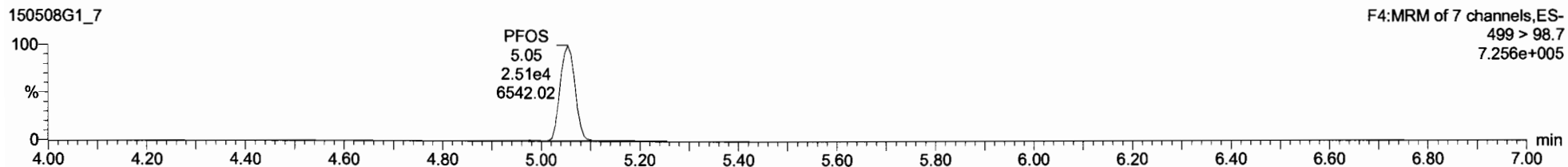
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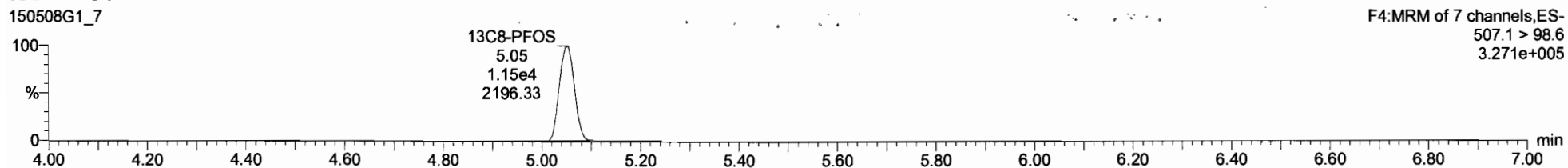
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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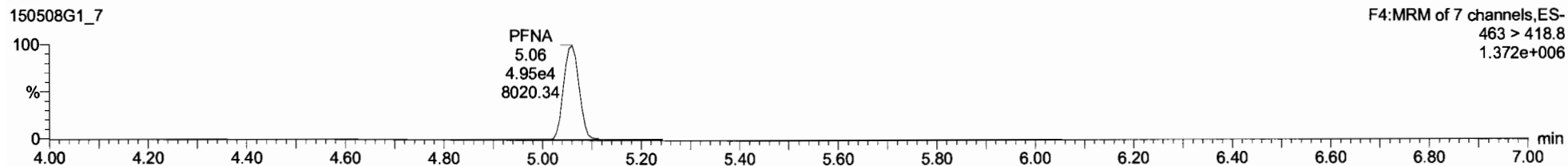
**PFOS**



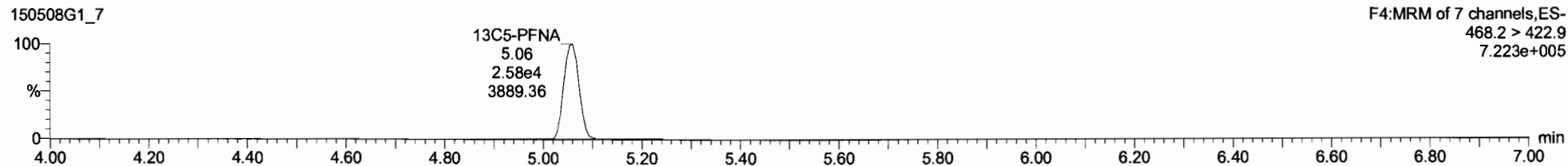
**13C8-PFOS**



**PFNA**



**13C5-PFNA**

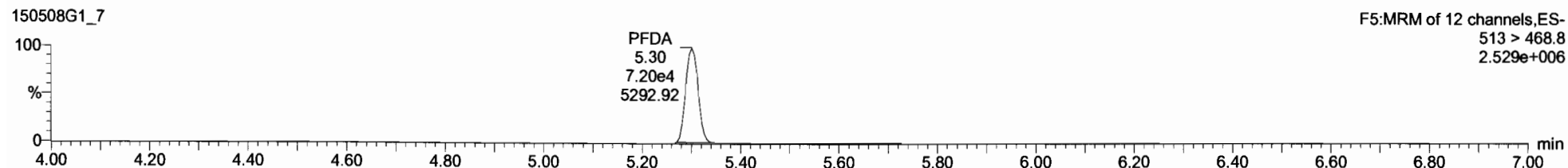


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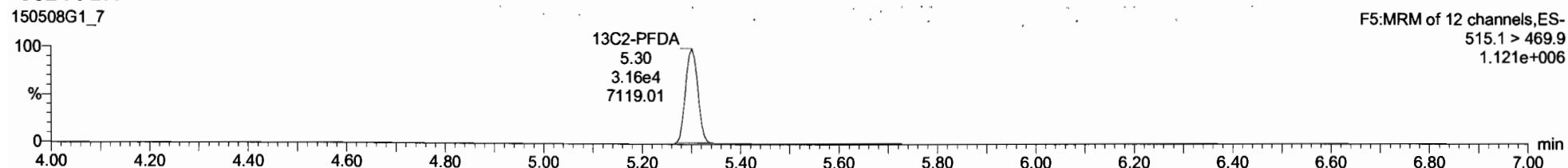
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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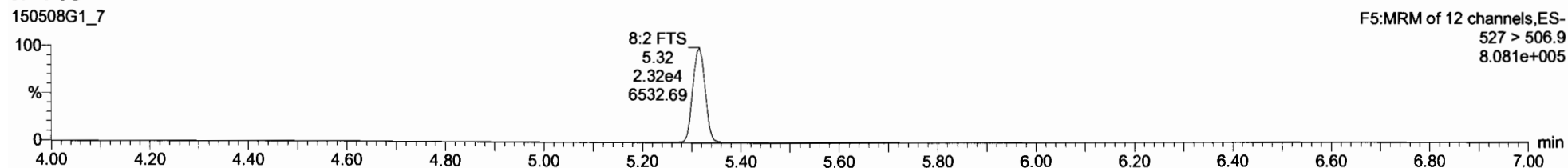
**PFDA**



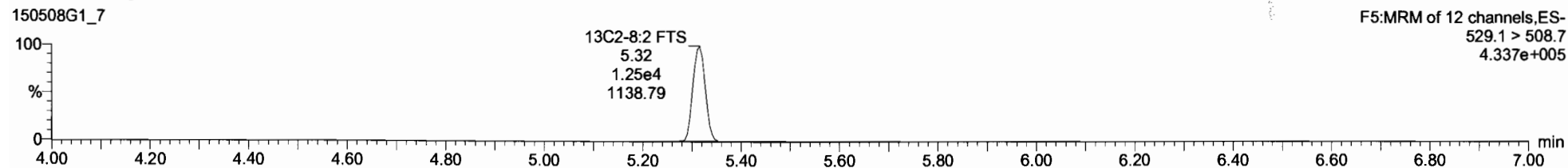
**13C2-PFDA**



**8:2 FTS**



**13C2-8:2 FTS**





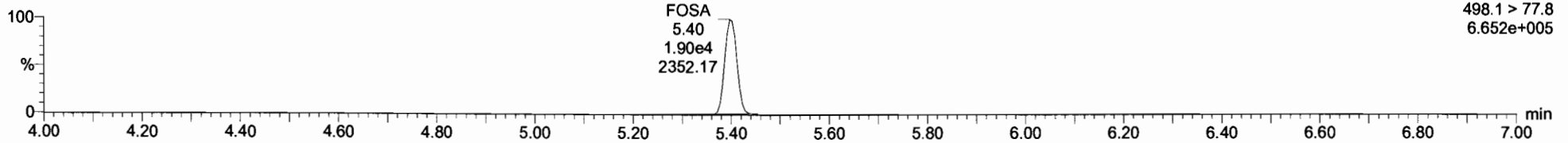
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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

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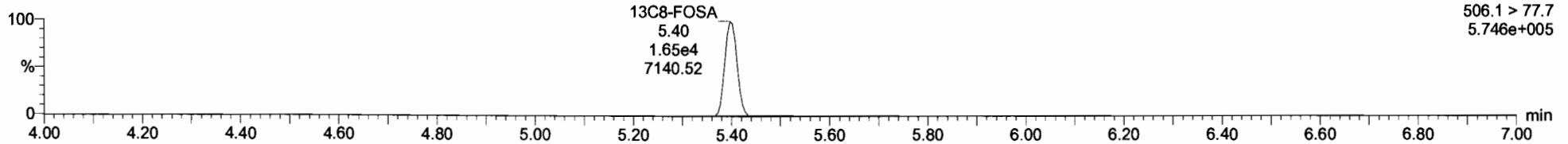
**FOSA**

150508G1\_7



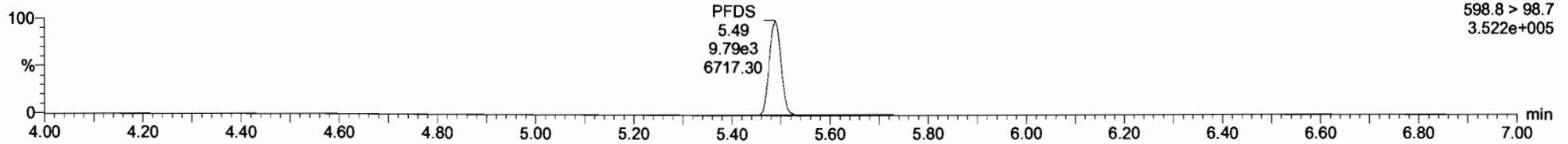
**13C8-FOSA**

150508G1\_7



**PFDS**

150508G1\_7



Dataset: Untitled

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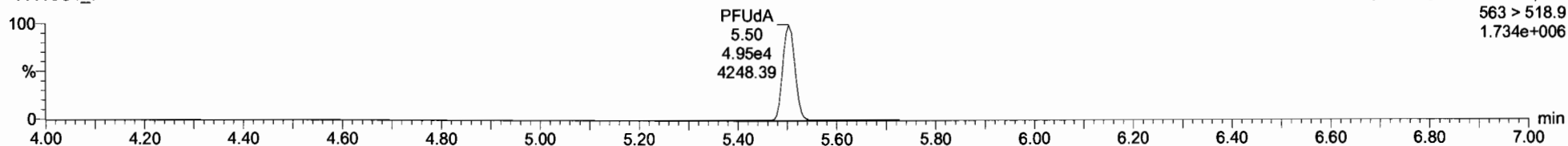
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

**PFUdA**

150508G1\_7

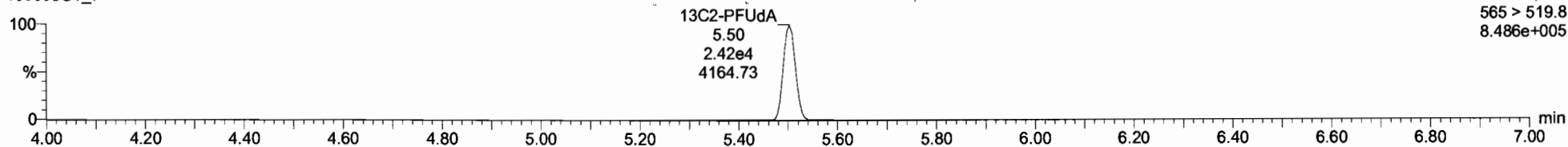
F5:MRM of 12 channels,ES-  
563 > 518.9  
1.734e+006



**13C2-PFUdA**

150508G1\_7

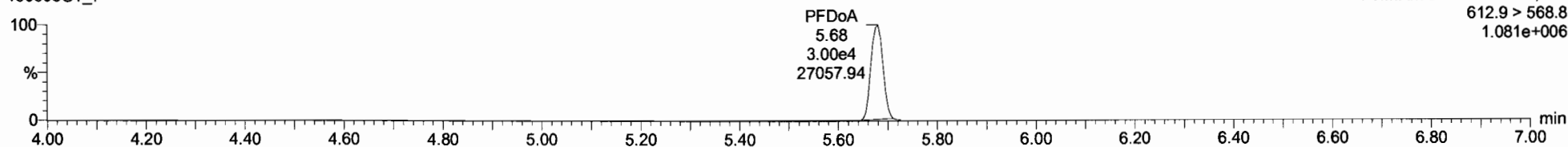
F5:MRM of 12 channels,ES-  
565 > 519.8  
8.486e+005



**PFDaA**

150508G1\_7

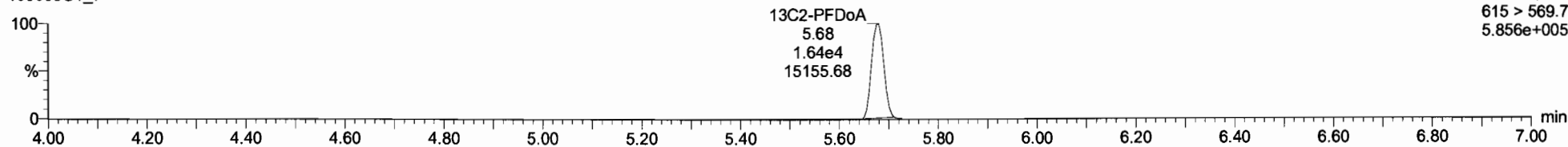
F5:MRM of 12 channels,ES-  
612.9 > 568.8  
1.081e+006



**13C2-PFDaA**

150508G1\_7

F5:MRM of 12 channels,ES-  
615 > 569.7  
5.856e+005





Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

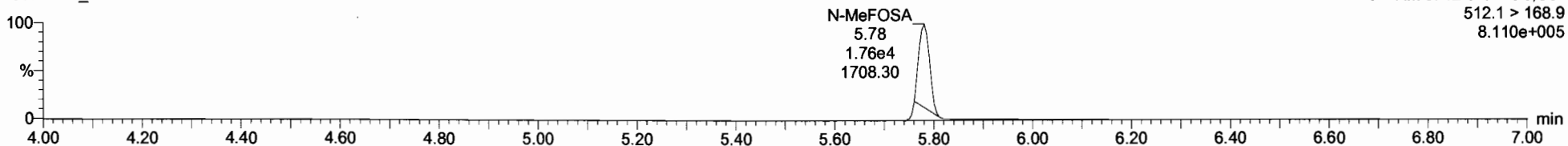
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Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

**N-MeFOSA**

150508G1\_7

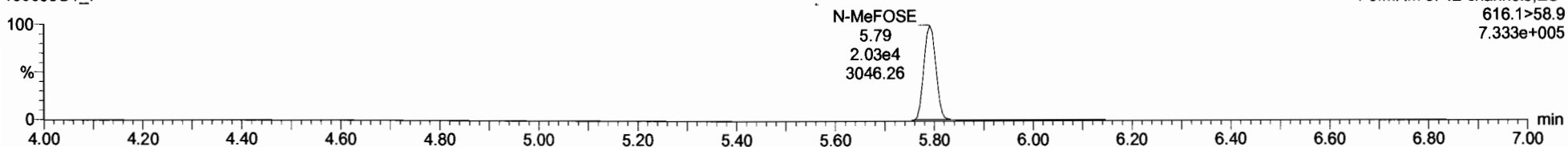
F6:MRM of 12 channels,ES-  
512.1 > 168.9  
8.110e+005



**N-MeFOSE**

150508G1\_7

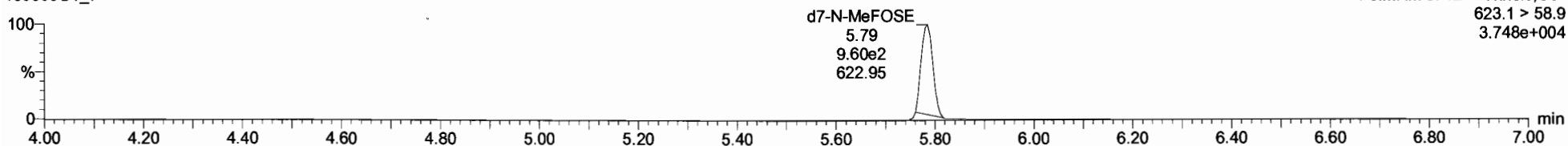
F6:MRM of 12 channels,ES-  
616.1 > 58.9  
7.333e+005



**d7-N-MeFOSE**

150508G1\_7

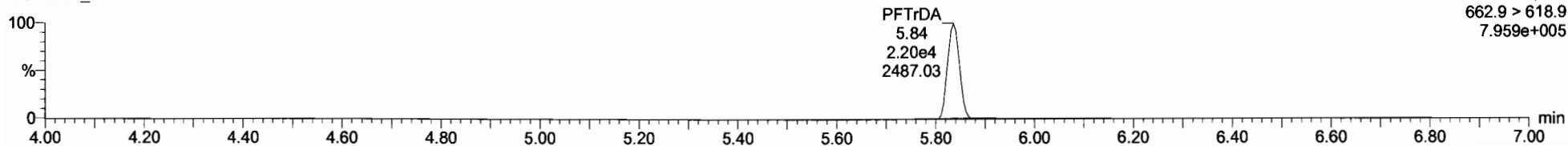
F6:MRM of 12 channels,ES-  
623.1 > 58.9  
3.748e+004

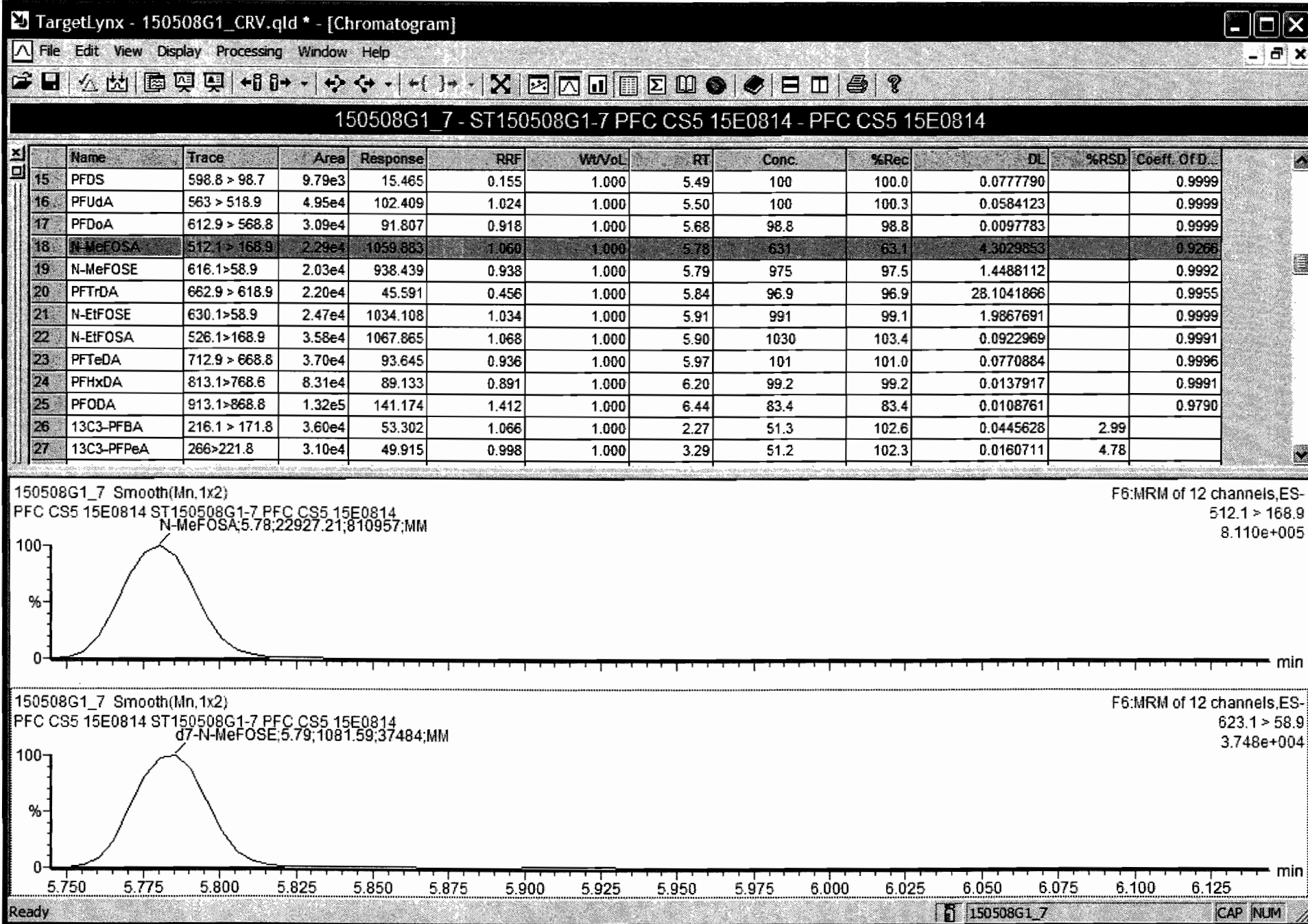


**PFTrDA**

150508G1\_7

F6:MRM of 12 channels,ES-  
662.9 > 618.9  
7.959e+005



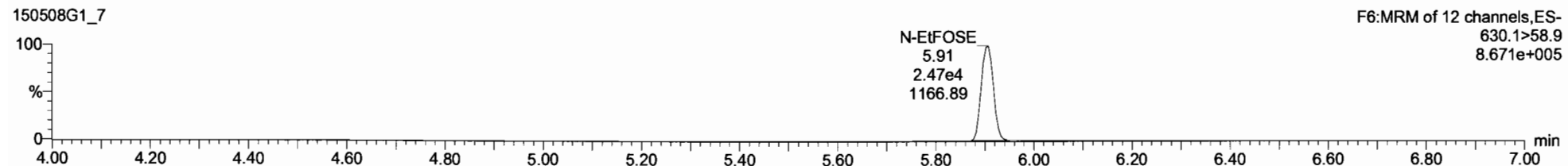


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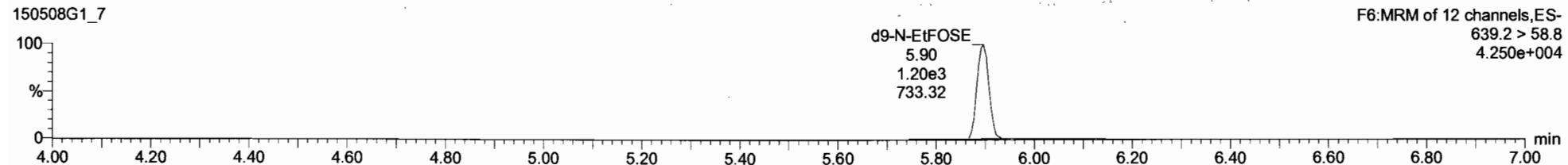
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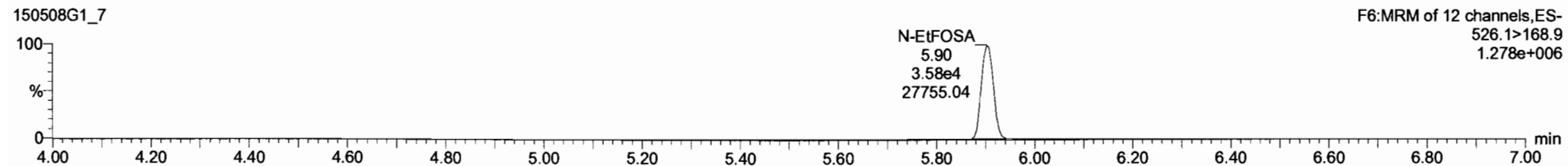
**N-EtFOSE**



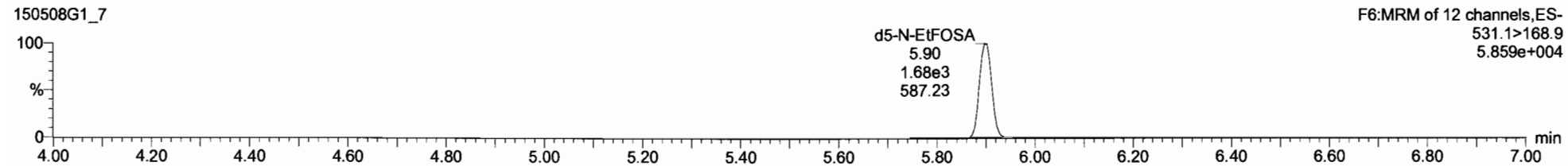
**d9-N-EtFOSE**



**N-EtFOSA**



**d5-N-EtFOSA**

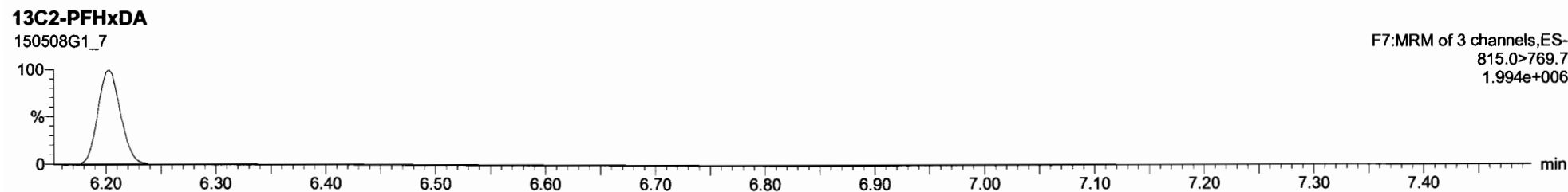
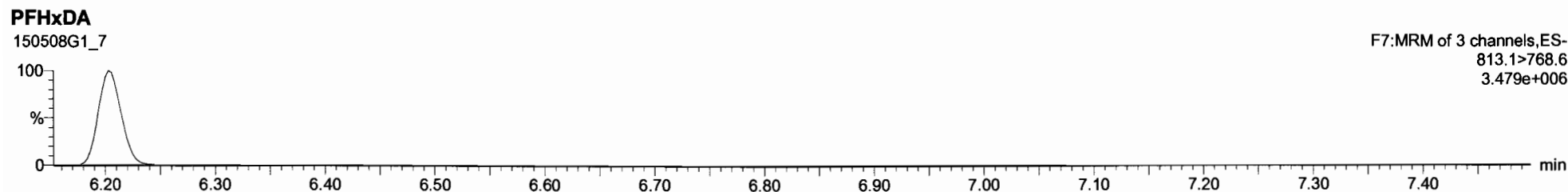
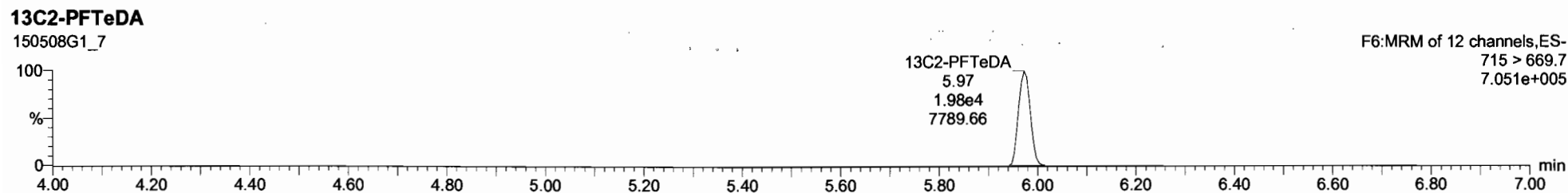
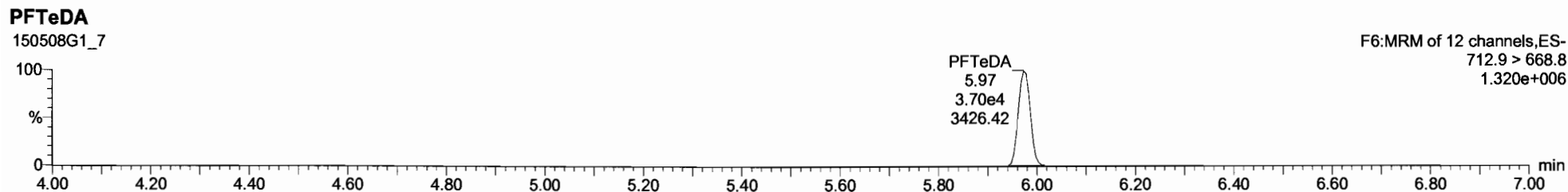


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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

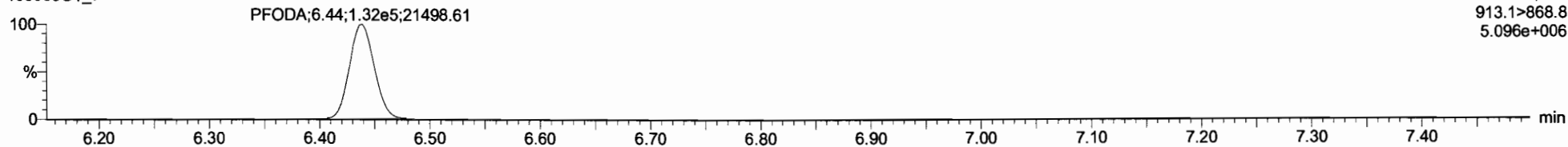
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

**PFODA**

150508G1\_7

F7:MRM of 3 channels,ES-  
913.1>868.8  
5.096e+006





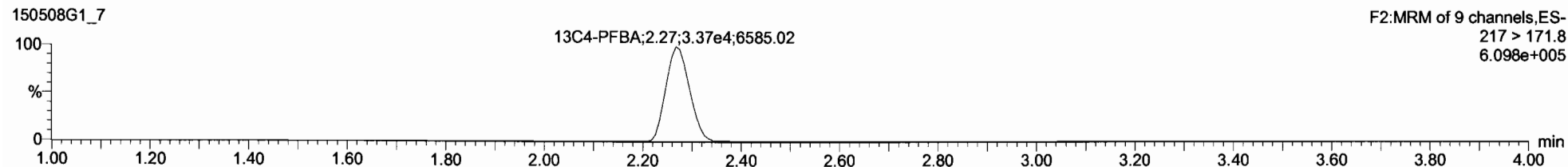
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

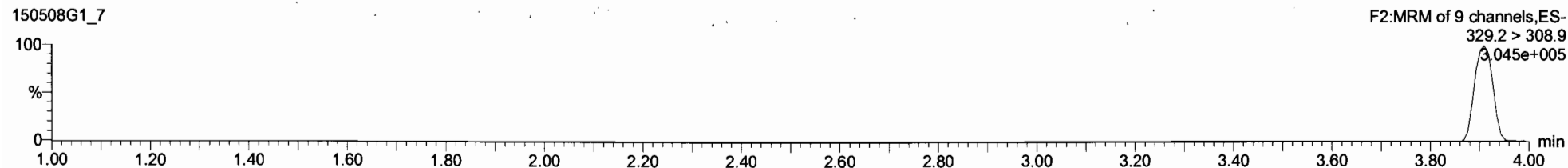
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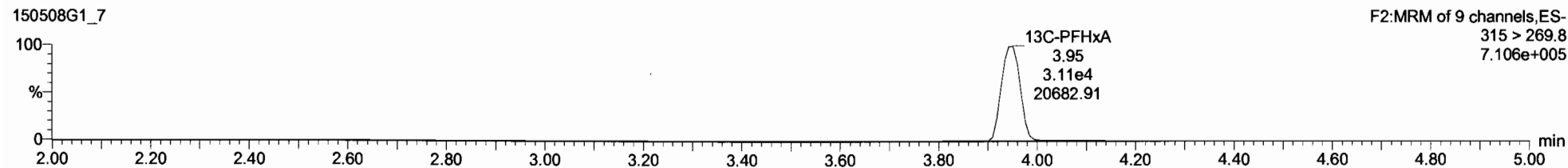
**13C4-PFBA**



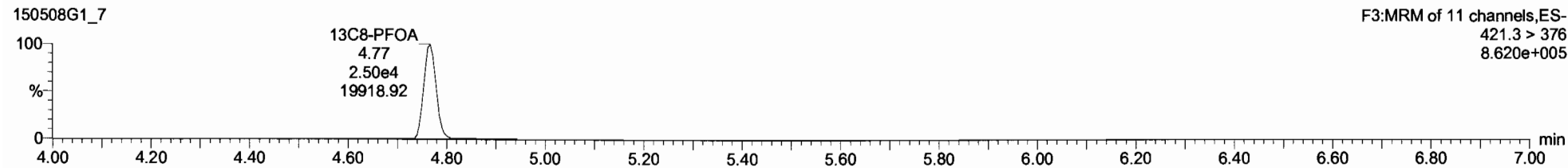
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**



Dataset: Untitled

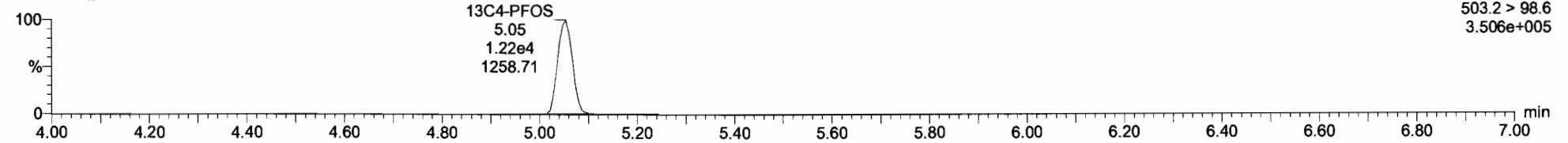
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

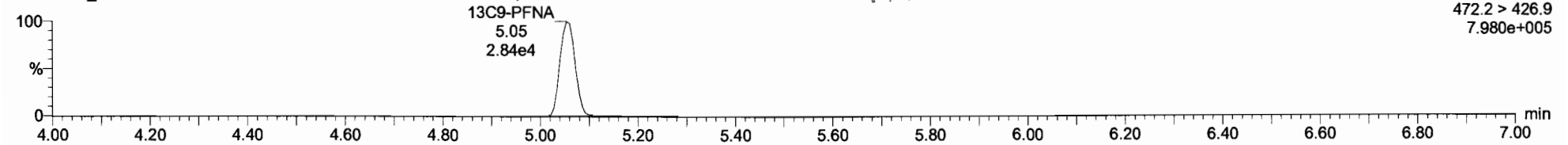
**13C4-PFOS**

150508G1\_7



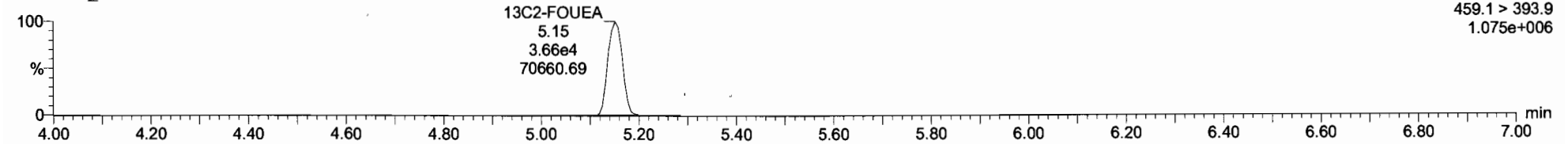
**13C9-PFNA**

150508G1\_7



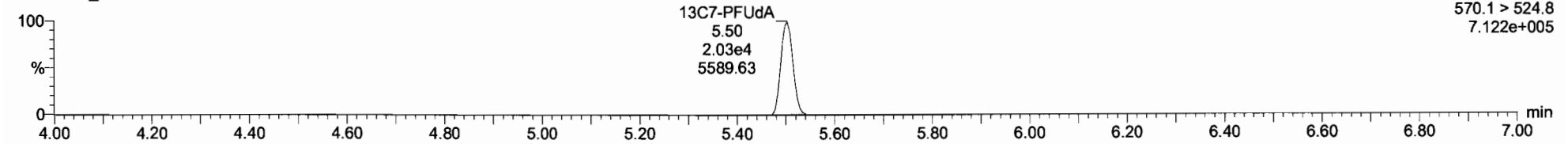
**13C2-FOUEA**

150508G1\_7



**13C7-PFUdA**

150508G1\_7



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

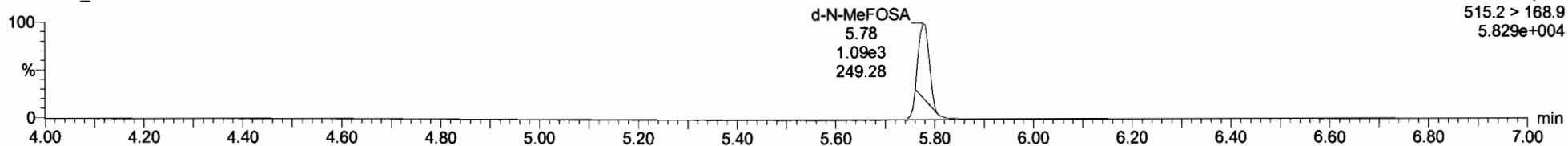
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_7, Date: 08-May-2015, Time: 17:01:44, ID: ST150508G1-7 PFC CS5 15E0814, Description: PFC CS5 15E0814

**d-N-MeFOSA**

150508G1\_7

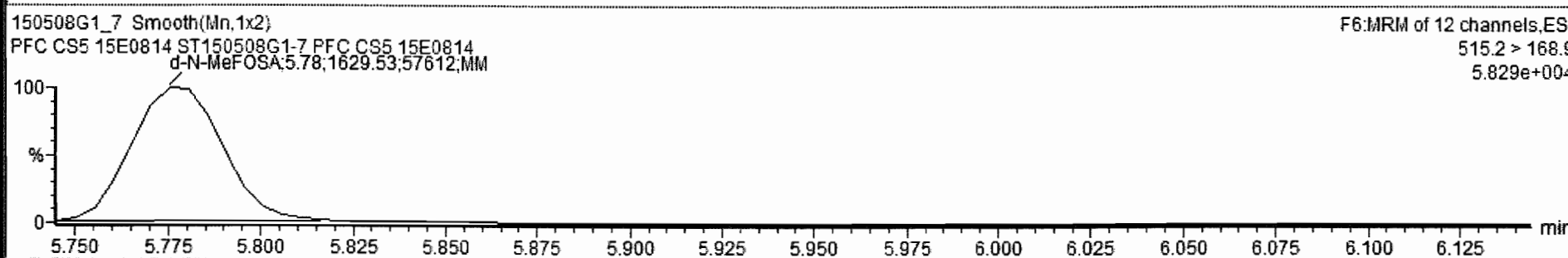
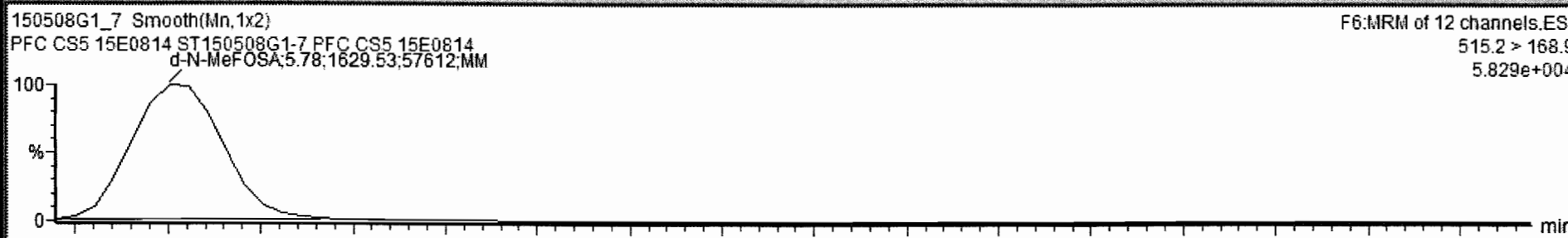
F6:MRM of 12 channels, ES-  
515.2 > 168.9  
5.829e+004





150508G1\_7 - ST150508G1-7 PFC CS5 15E0814 - PFC CS5 15E0814

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
44	13C4-PFBA	217 > 171.8	3.37e4	50.000	1.000	2.27	50.0	100.0	0.0189825	0.000000...	
45	13C2-4:2 FTS	329.2 > 308.9	1.29e4	50.000	1.000	3.91	50.0	100.0	0.0075486	0.000000...	
46	13C-PFHxA	315 > 269.8	3.11e4	50.000	1.000	3.95	50.0	100.0	0.0060436	0.000	
47	13C8-PFOA	421.3 > 376	2.50e4	50.000	1.000	4.77	50.0	100.0	0.0062754	0.000	
48	13C4-PFOS	503.2 > 98.6	1.22e4	50.000	1.000	5.05	50.0	100.0	0.0993082	0.000000...	
49	13C2-FOUEA	459.1 > 393.9	3.66e4	50.000	1.000	5.15	50.0	100.0	0.0017690	0.000	
50	13C9-PFNA	472.2 > 426.9	2.84e4	50.000	1.000	5.05	50.0	100.0	0.0000000	0.000	
51	13C7-PFUdA	570.1 > 524.8	2.03e4	50.000	1.000	5.50	50.0	100.0	0.0223628	0.000000...	
52	d-N-MeFOSA	515.2 > 168.9	1.63e3	50.000	1.000	5.78	50.0	100.0	0.3933203	0.000000...	
53	Total PFBS	299 > 79.7	4.30e4		1.000		95.4				0.0000
54	Total PFHxS	398.9 > 79.6	3.85e4		1.000		98.5				
55	Total PFHpS	449 > 98.7	1.73e4		1.000		96.3				
56	Total PFOS	499 > 98.7	2.51e4		1.000		101				



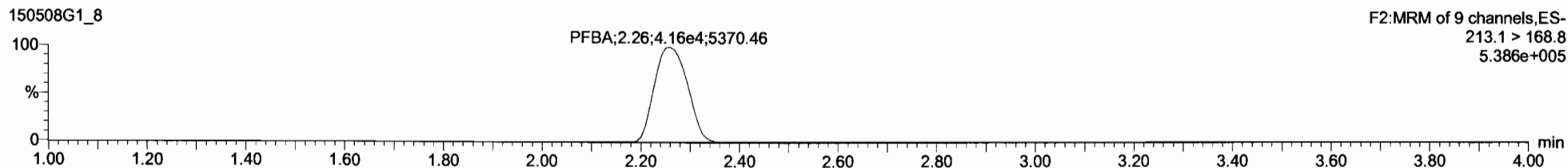
Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

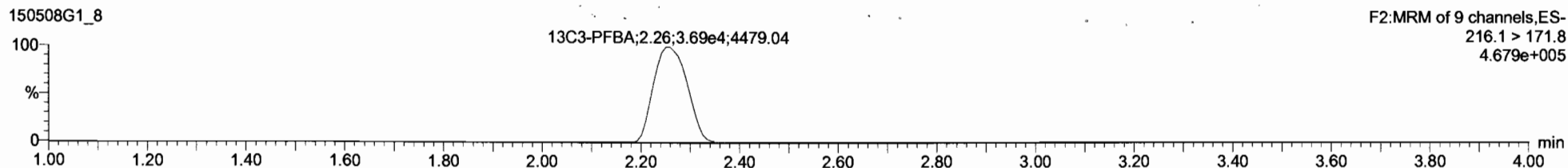
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

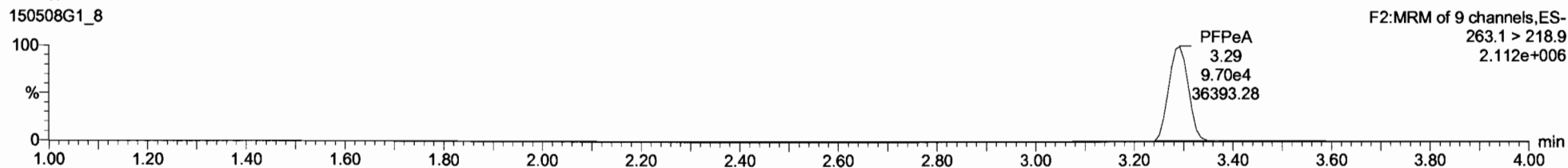
**PFBA**



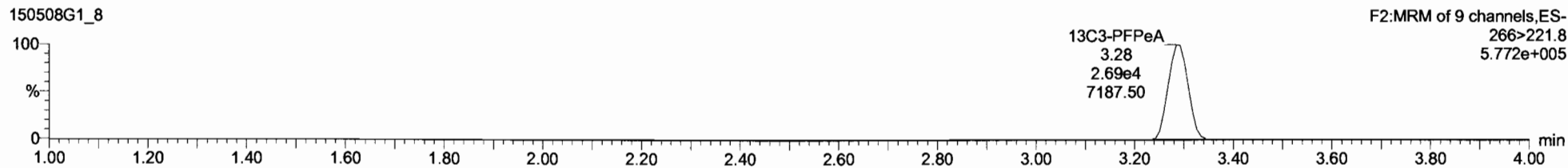
**13C3-PFBA**



**PFPeA**



**13C3-PFPeA**

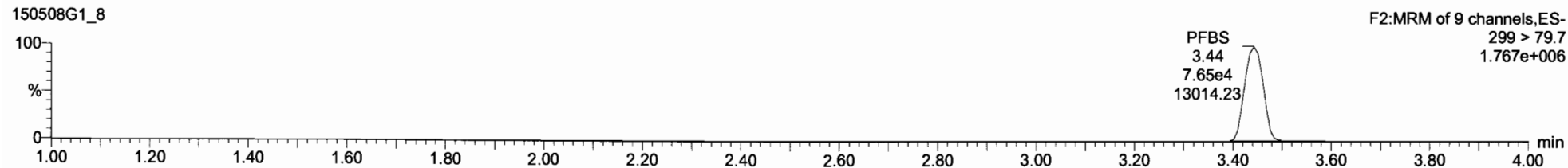


Dataset: Untitled

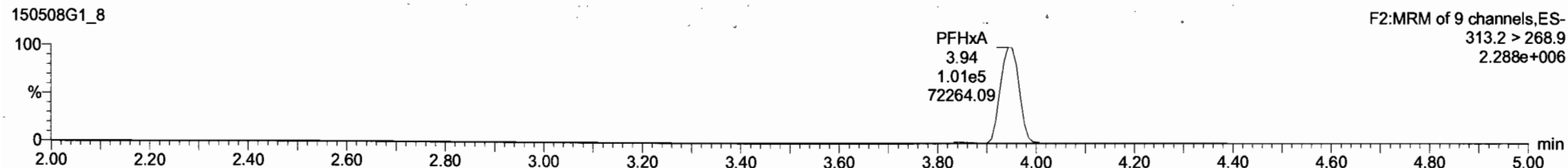
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

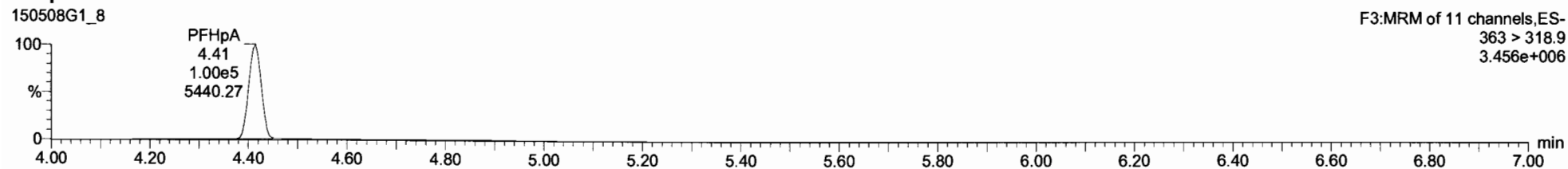
**PFBS**



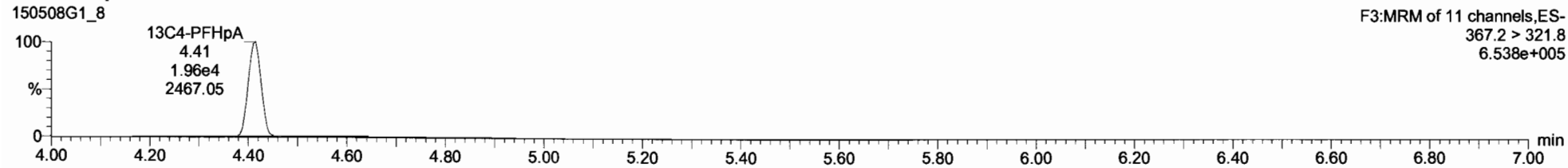
**PFHxA**



**PFHpA**



**13C4-PFHpA**



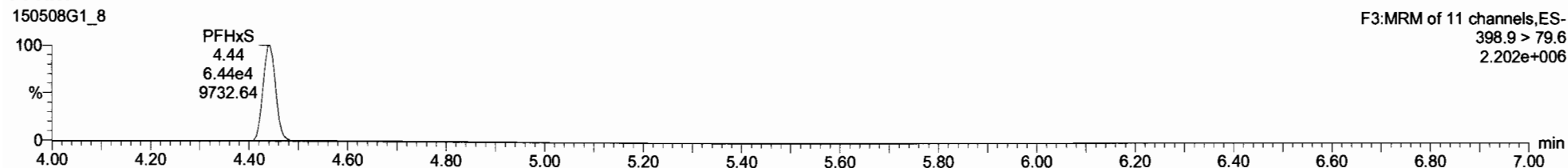
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Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

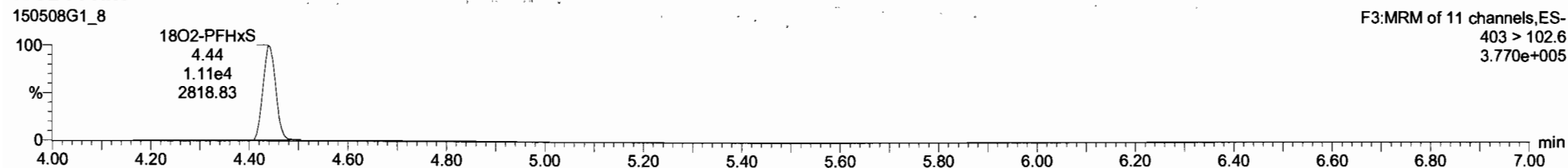
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

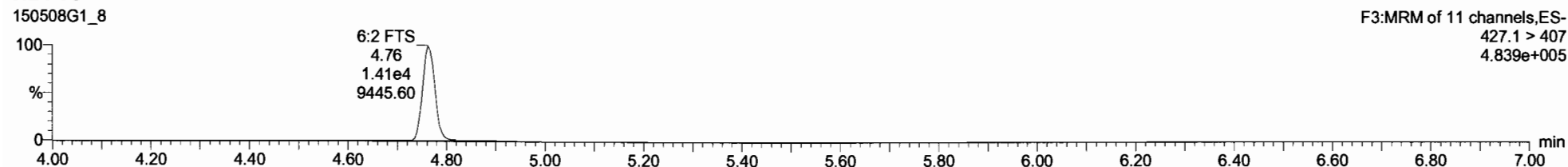
**PFHxS**



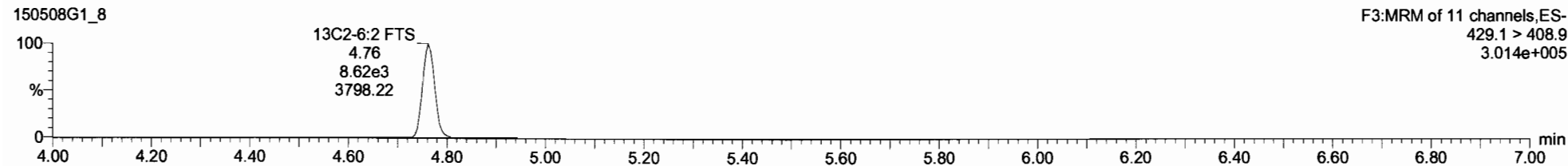
**18O2-PFHxS**



**6:2 FTS**



**13C2-6:2 FTS**

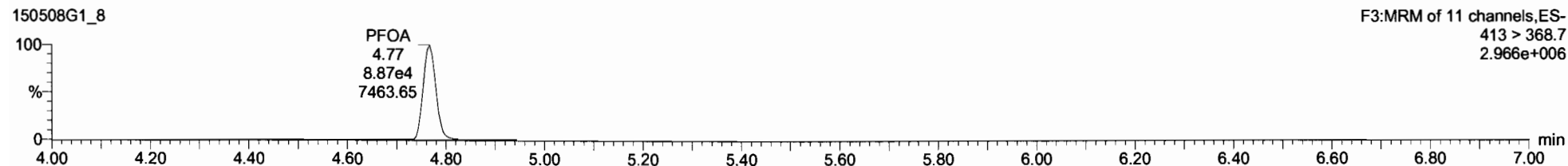


Dataset: Untitled

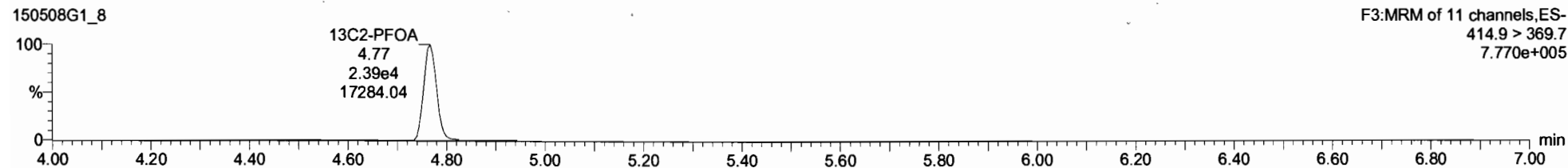
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

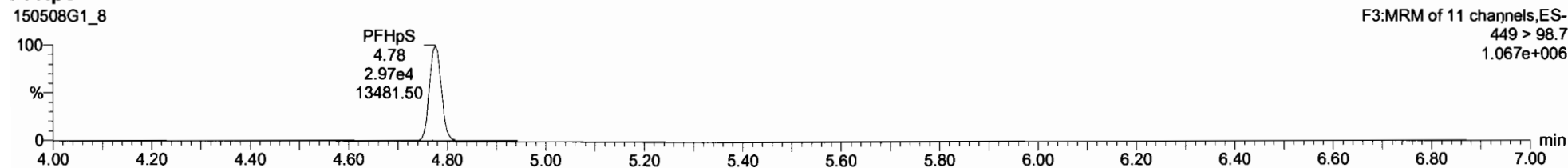
**PFOA**



**13C2-PFOA**



**PFHpS**





Dataset: Untitled

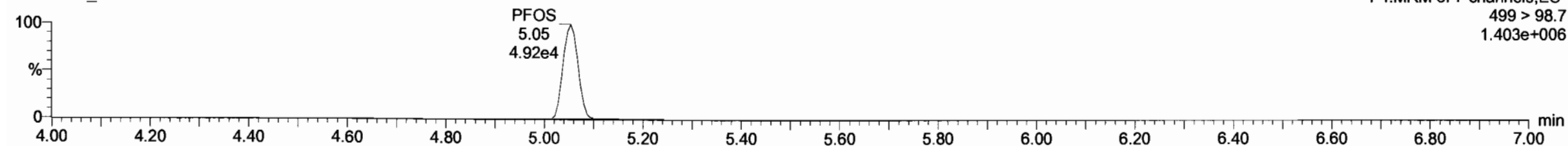
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

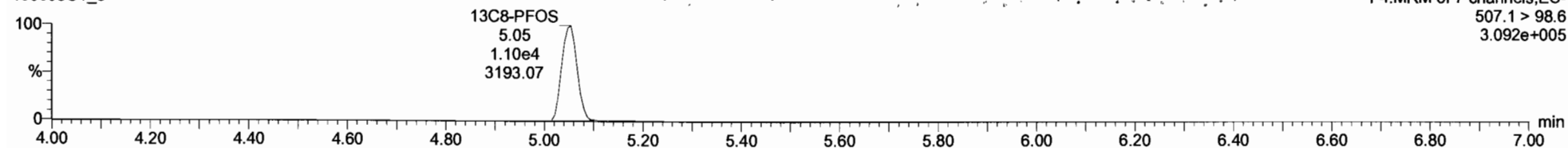
**PFOS**

150508G1\_8



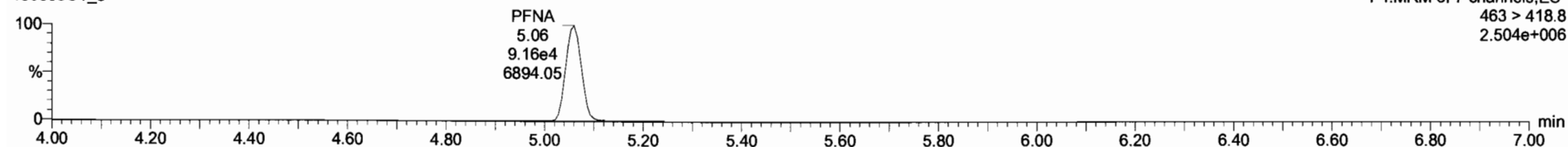
**13C8-PFOS**

150508G1\_8



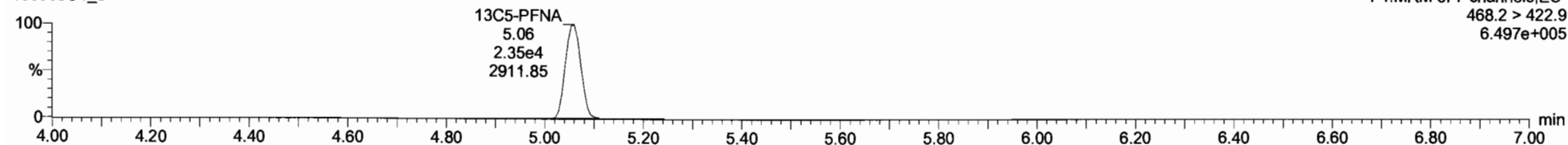
**PFNA**

150508G1\_8



**13C5-PFNA**

150508G1\_8



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

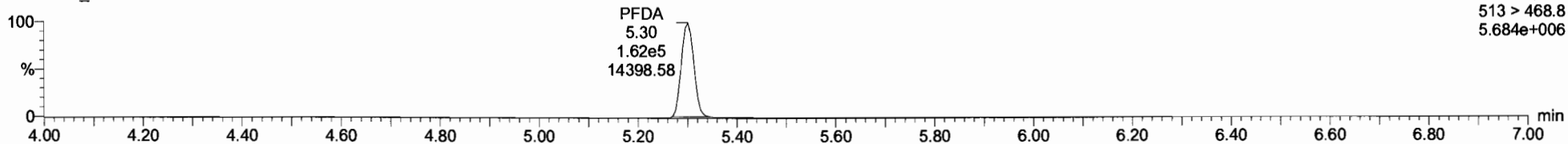
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

**PFDA**

150508G1\_8

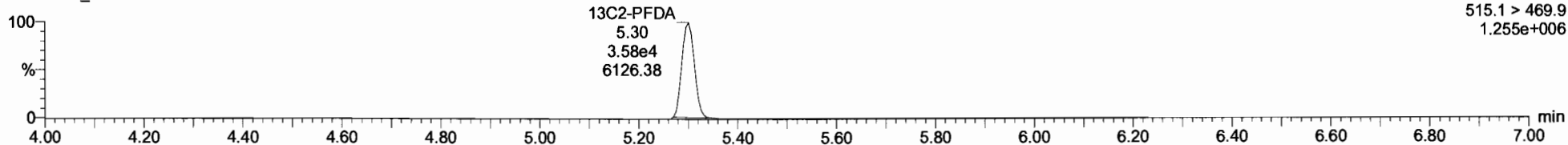
F5:MRM of 12 channels,ES-  
513 > 468.8  
5.684e+006



**13C2-PFDA**

150508G1\_8

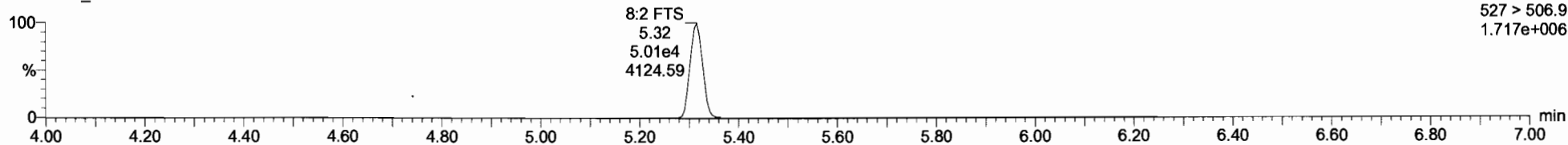
F5:MRM of 12 channels,ES-  
515.1 > 469.9  
1.255e+006



**8:2 FTS**

150508G1\_8

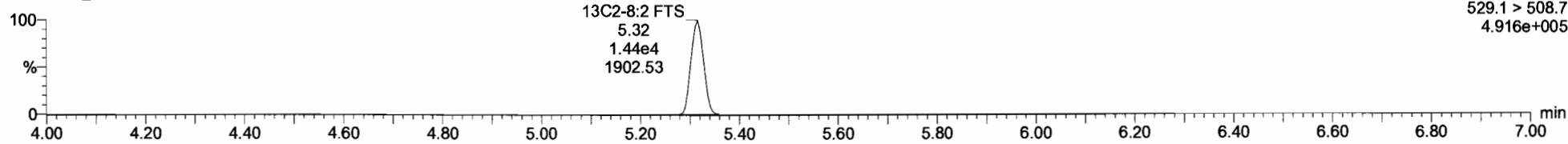
F5:MRM of 12 channels,ES-  
527 > 506.9  
1.717e+006



**13C2-8:2 FTS**

150508G1\_8

F5:MRM of 12 channels,ES-  
529.1 > 508.7  
4.916e+005



150508G1\_8 - ST150508G1-8 PFC CS6 15E0815 - PFC CS6 15E0815

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
1	PFBA	213.1 > 168.8	4.16e4	56.348	0.282	1.000	2.26	200	99.8	0.0988996	0.9996
2	PFPeA	263.1 > 218.9	9.70e4	180.562	0.903	1.000	3.29	200	100.2	0.0148434	0.9997
3	PFBS	299 > 79.7	7.65e4	344.930	1.725	1.000	3.44	201	100.4	0.0305424	0.9983
4	PFHxA	313.2 > 268.9	1.01e5	255.775	1.279	1.000	3.94	200	99.8	0.0050022	0.9995
5	PFHpA	363 > 318.9	1.00e5	255.463	1.277	1.000	4.41	200	99.9	0.0948054	0.9998
6	PFHxS	398.9 > 79.6	6.44e4	290.423	1.452	1.000	4.44	200	100.1	0.0571932	0.9998
7	6:2 FTS	427.1 > 407	1.41e4	81.981	0.410	1.000	4.76	199	99.7	0.0430747	0.9990
8	PFOA	413 > 368.7	8.87e4	185.797	0.929	1.000	4.77	200	99.9	0.0671802	0.9999
9	PFHpS	449 > 98.7	2.97e4	133.903	0.670	1.000	4.78	201	100.3	0.0436553	0.9989
10	PFOS	499 > 98.7	4.92e4	223.038	1.115	1.000	5.05	200	99.9	0.0000000	0.9999
11	PFNA	463 > 418.8	9.16e4	194.849	0.974	1.000	5.06	200	99.9	0.0769132	0.9995
12	PFDA	513 > 468.8	1.62e5	218.377	1.092	1.000	5.30	200	99.9	0.0336477	0.9998
13	8:2 FTS	527 > 506.9	5.01e4	173.465	0.867	1.000	5.32	200	99.9	0.1099255	0.9998

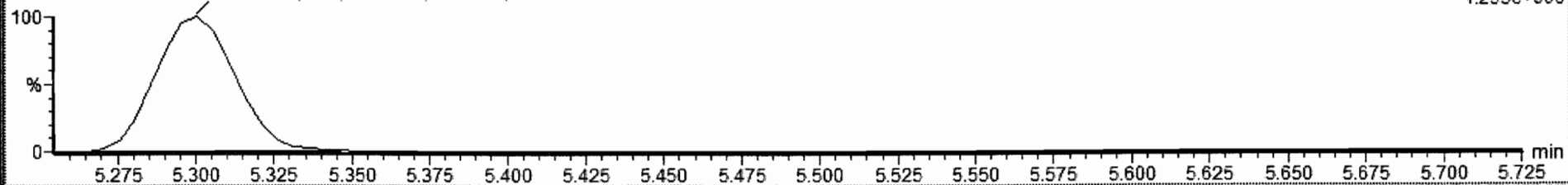
150508G1\_8 Smooth(Mn.1x2)  
 PFC CS6 15E0815 ST150508G1-8 PFC CS6 15E0815  
 PFDA;5.30;162312.88;5619803;bb

F5:MRM of 12 channels,ES-  
 513 > 468.8  
 5.684e+006



150508G1\_8 Smooth(Mn.1x2)  
 PFC CS6 15E0815 ST150508G1-8 PFC CS6 15E0815  
 13C2-PFDA;5.30;37163.47;1255117;MM

F5:MRM of 12 channels,ES-  
 515.1 > 469.9  
 1.255e+006

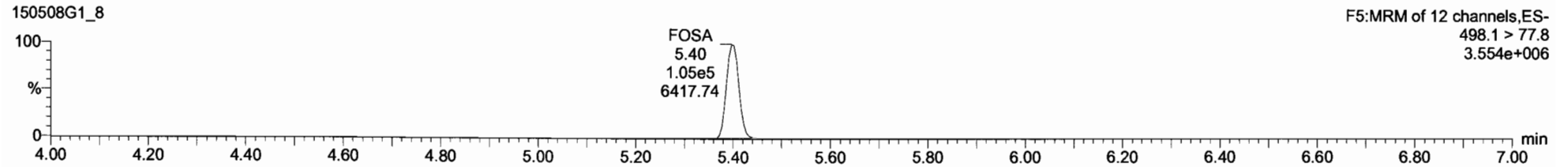


Dataset: Untitled

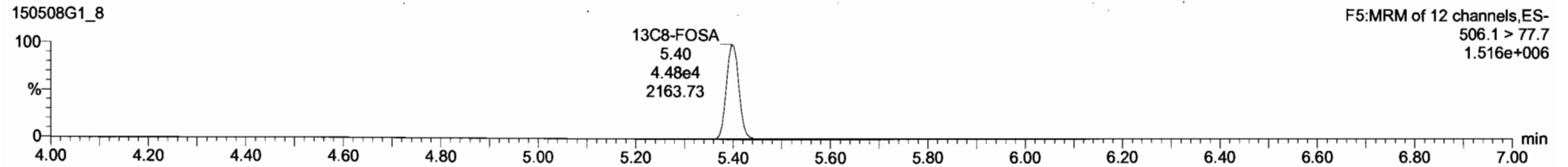
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

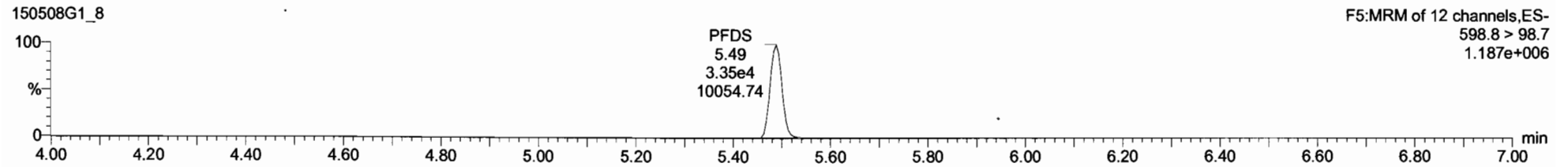
**FOSA**



**13C8-FOSA**



**PFDS**



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

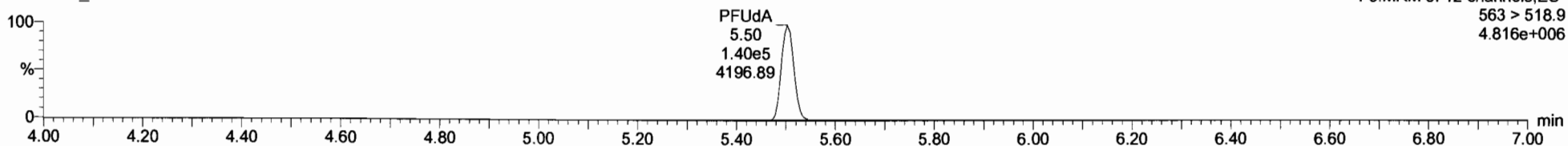
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

**PFUdA**

150508G1\_8

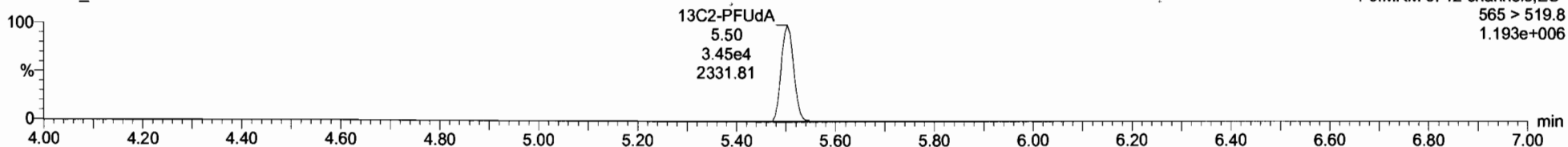
F5:MRM of 12 channels,ES-  
563 > 518.9  
4.816e+006



**13C2-PFUdA**

150508G1\_8

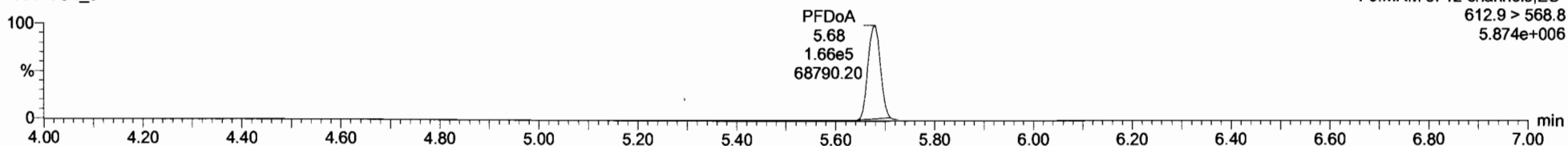
F5:MRM of 12 channels,ES-  
565 > 519.8  
1.193e+006



**PFDoA**

150508G1\_8

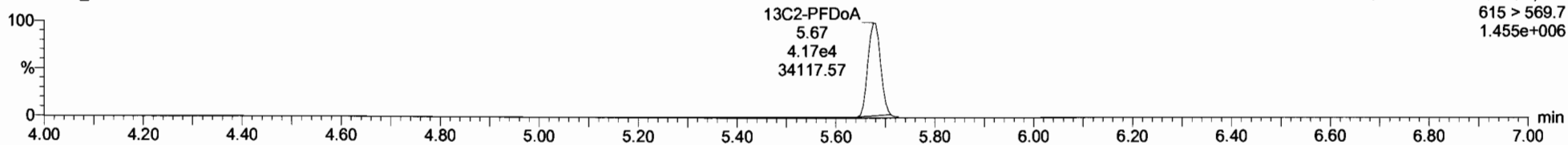
F5:MRM of 12 channels,ES-  
612.9 > 568.8  
5.874e+006

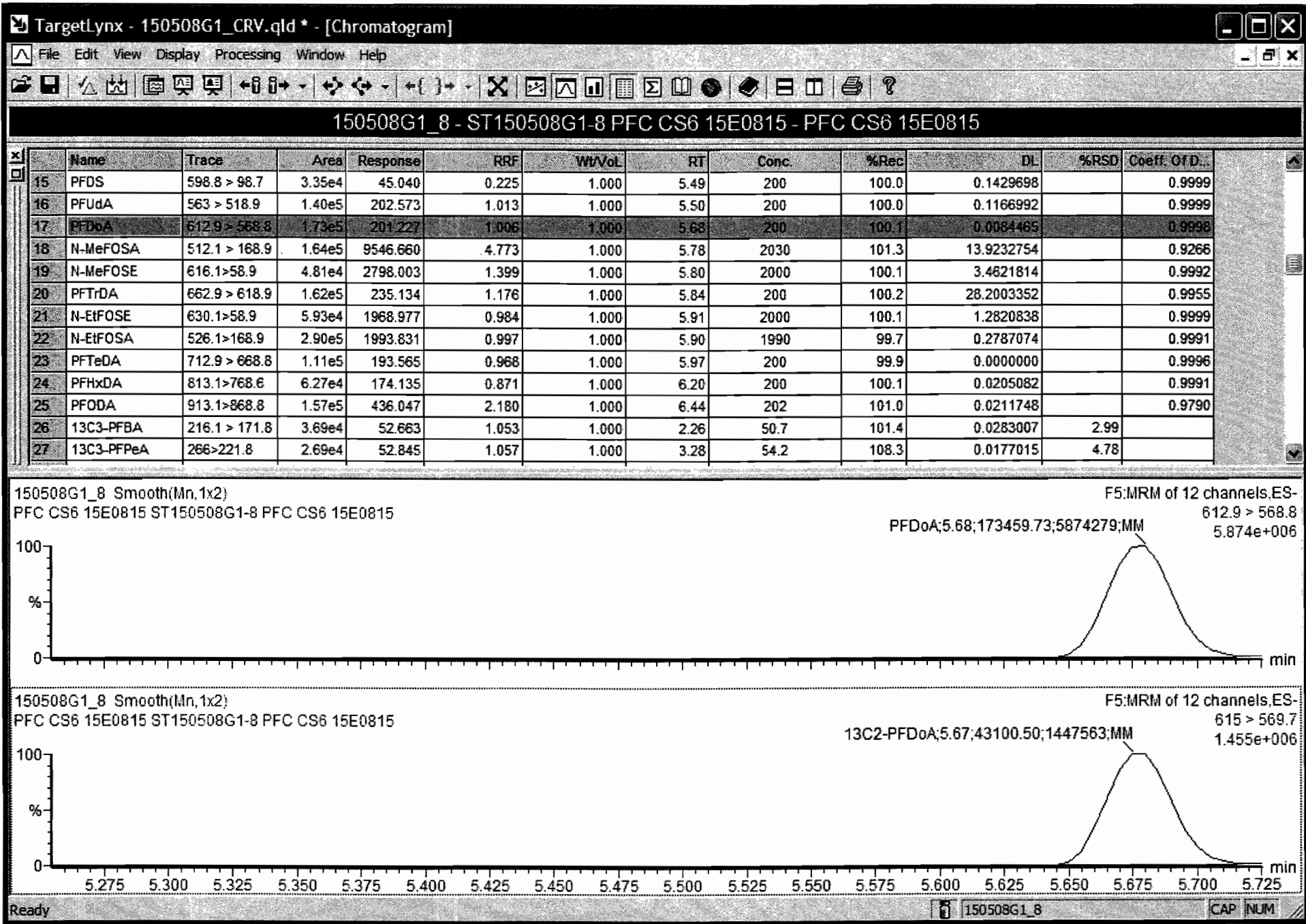


**13C2-PFDoA**

150508G1\_8

F5:MRM of 12 channels,ES-  
615 > 569.7  
1.455e+006



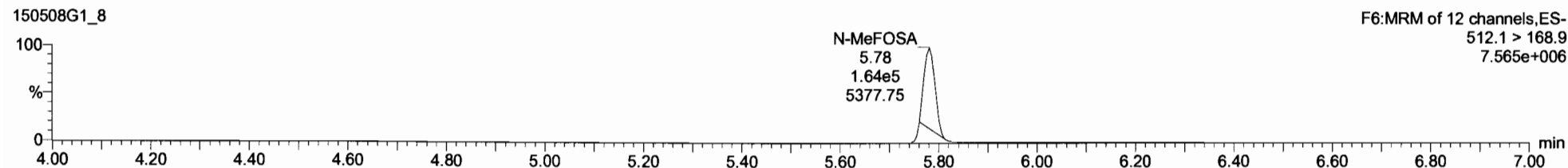


Dataset: Untitled

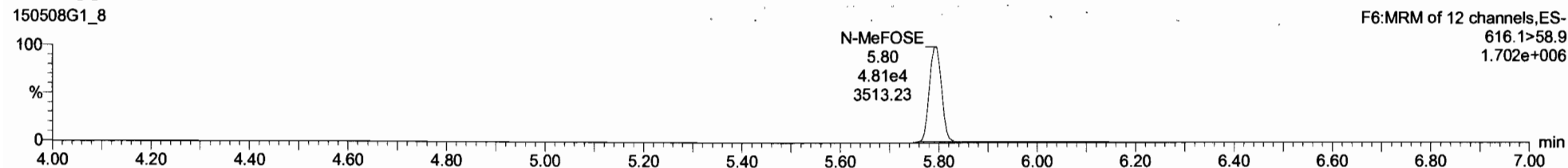
Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time  
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

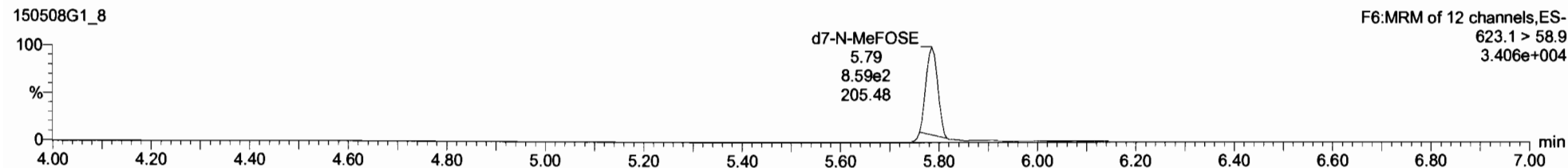
**N-MeFOSA**



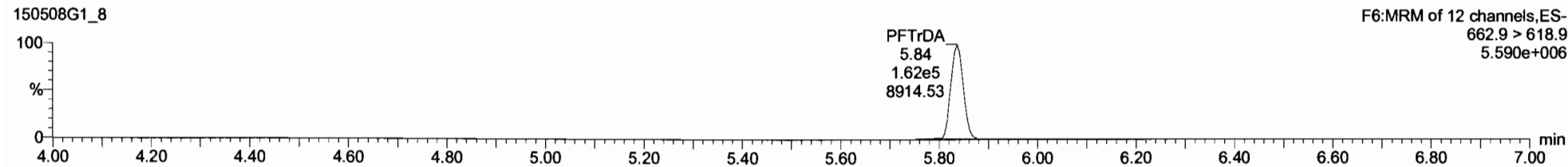
**N-MeFOSE**



**d7-N-MeFOSE**

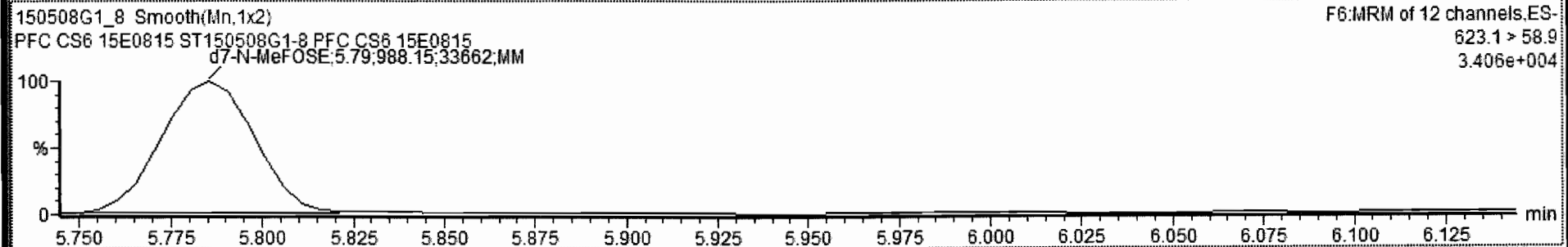
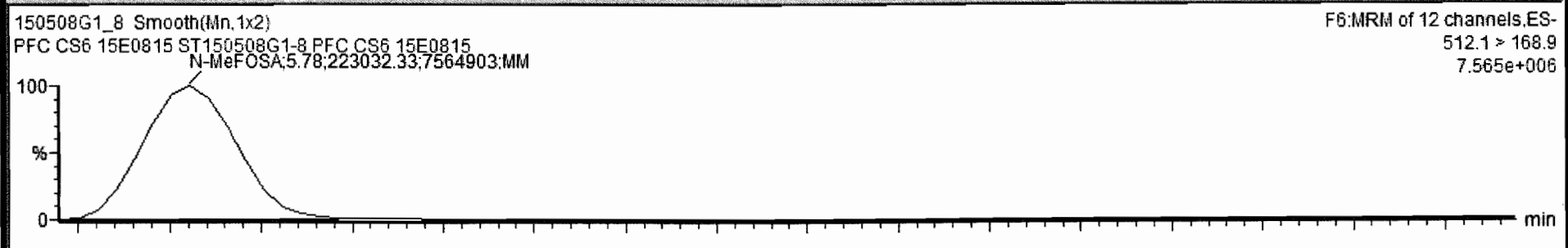


**PFTrDA**



150508G1\_8 - ST150508G1-8 PFC CS6 15E0815 - PFC CS6 15E0815

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc	%Rec	DL	%RSD	Coeff. Of D.
15	PFDS	598.8 > 98.7	3.35e4	45.040	0.225	1.000	5.49	200	100.0	0.1429698	0.9999
16	PFUdA	563 > 518.9	1.40e5	202.573	1.013	1.000	5.50	200	100.0	0.1166992	0.9999
17	PFDaA	612.9 > 568.8	1.73e5	201.227	1.006	1.000	5.68	200	100.1	0.0084465	0.9998
18	N-MeFOSA	512.1 > 168.9	2.23e5	11285.393	5.643	1.000	5.78	2020	101.1	123.2143758	0.9392
19	N-MeFOSE	616.1 > 58.9	4.81e4	2432.764	1.216	1.000	5.80	2000	100.1	2.6132799	0.9997
20	PFTTrDA	662.9 > 618.9	1.62e5	235.134	1.176	1.000	5.84	200	100.2	28.2003352	0.9955
21	N-EtFOSE	630.1 > 58.9	5.93e4	1968.977	0.984	1.000	5.91	2000	100.1	1.2820838	0.9999
22	N-EtFOSA	526.1 > 168.9	2.90e5	1993.831	0.997	1.000	5.90	1990	99.7	0.2787074	0.9991
23	PFTeDA	712.9 > 668.8	1.11e5	193.565	0.968	1.000	5.97	200	99.9	0.0000000	0.9996
24	PFHxDA	813.1 > 768.6	6.27e4	174.135	0.871	1.000	6.20	200	100.1	0.0205082	0.9991
25	PFODA	913.1 > 868.8	1.57e5	436.047	2.180	1.000	6.44	202	101.0	0.0211748	0.9790
26	13C3-PFBA	216.1 > 171.8	3.69e4	52.663	1.053	1.000	2.26	50.7	101.4	0.0283007	2.99
27	13C3-PFPeA	266 > 221.8	2.69e4	52.845	1.057	1.000	3.28	54.2	108.3	0.0177015	4.78

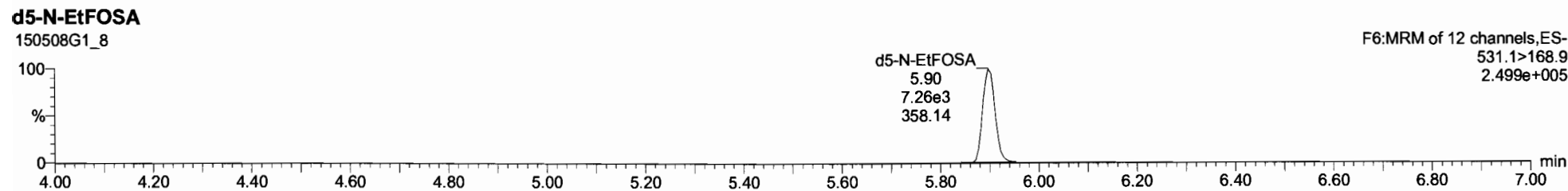
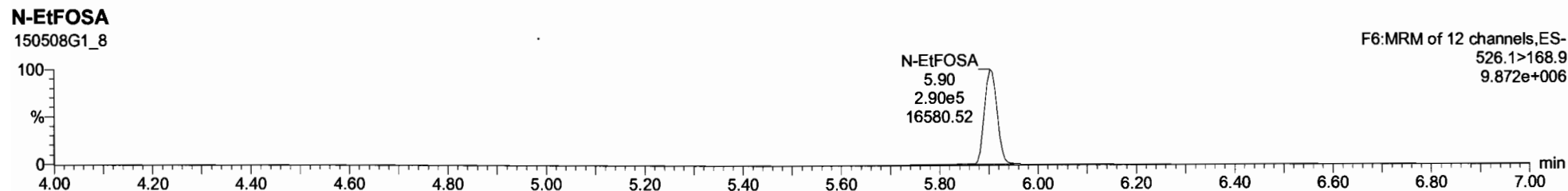
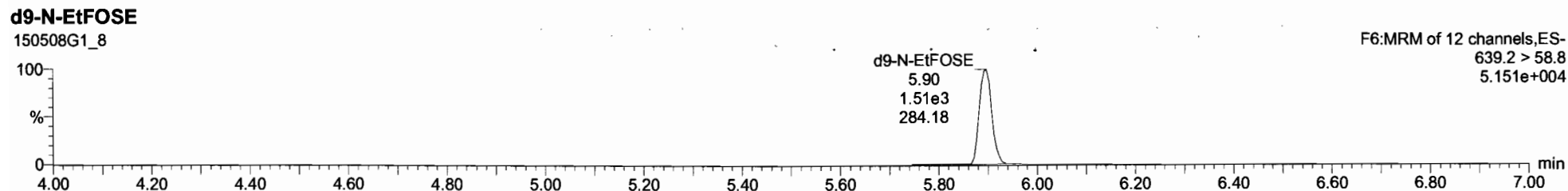
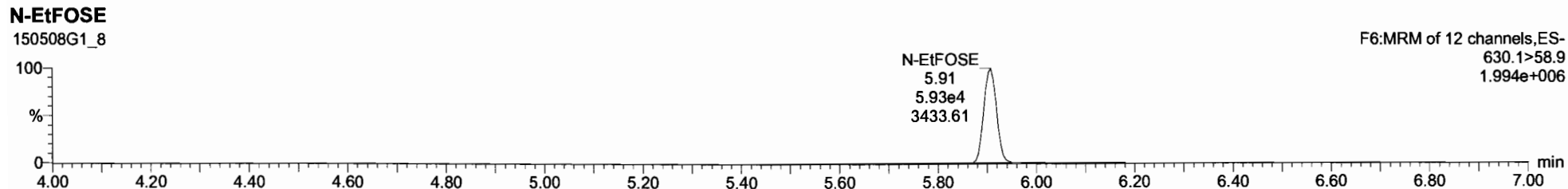




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Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

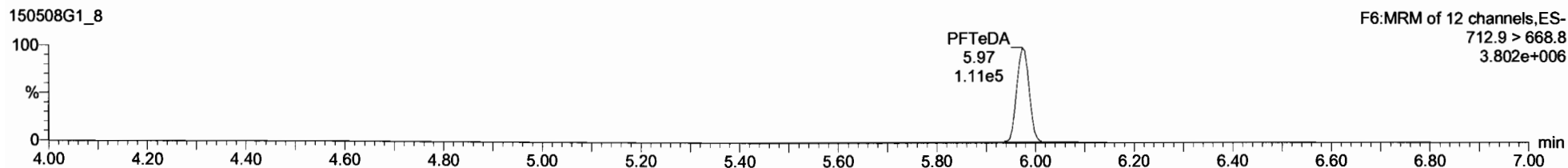


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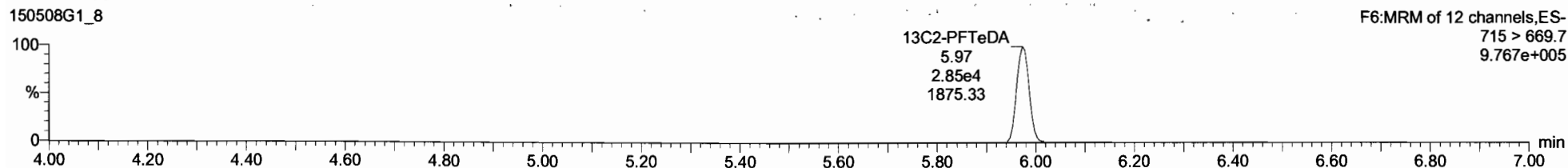
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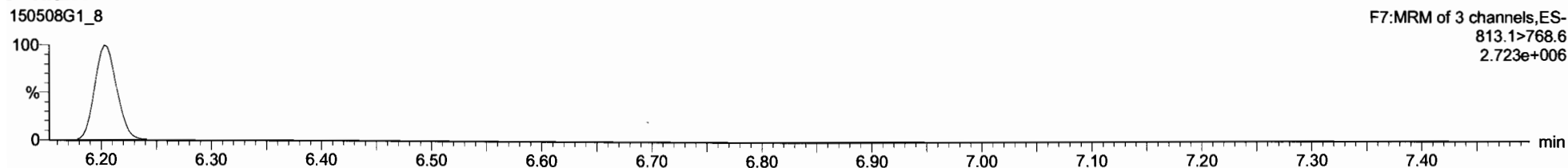
**PFTeDA**



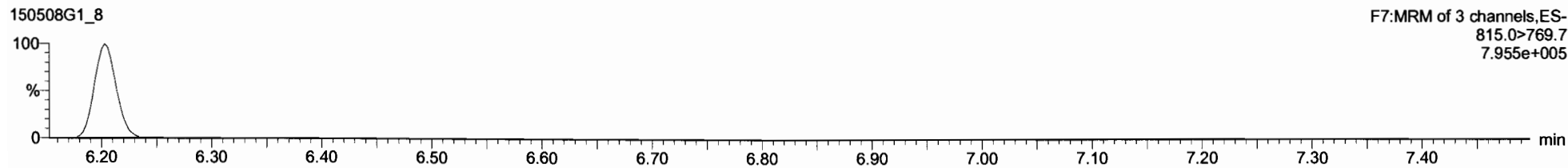
**13C2-PFTeDA**



**PFHxDA**



**13C2-PFHxDA**



Dataset: Untitled

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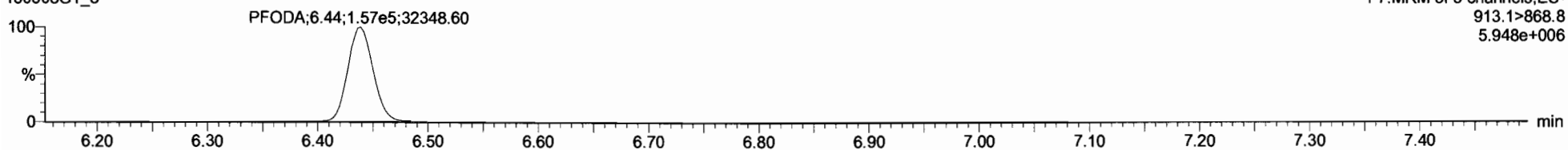
Printed: Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

**PFODA**

150508G1\_8

F7:MRM of 3 channels,ES-  
913.1>868.8  
5.948e+006

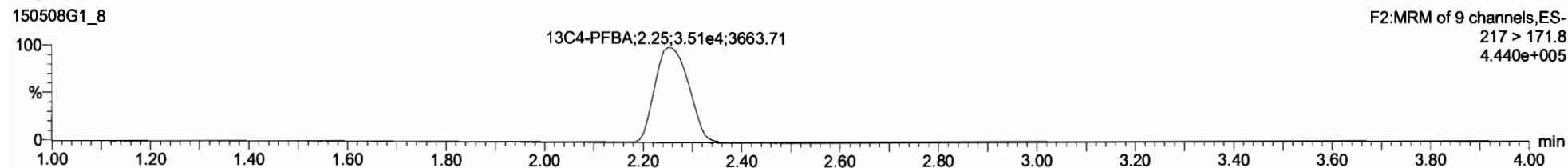


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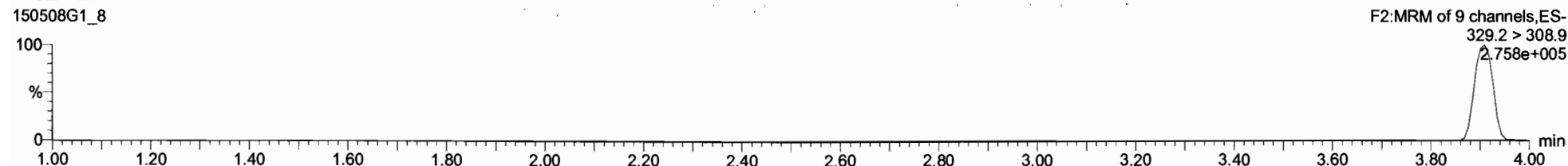
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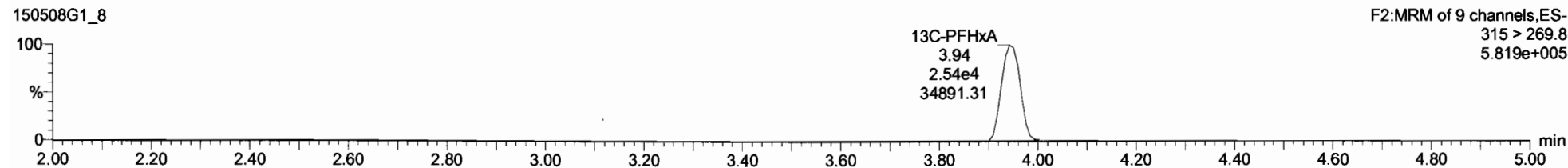
**13C4-PFBA**



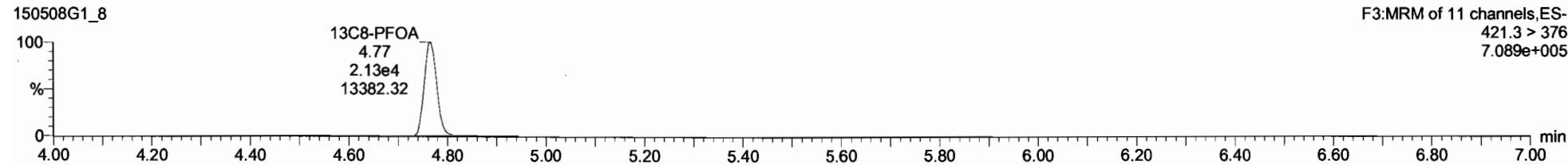
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**



Dataset: Untitled

Last Altered: Monday, May 11, 2015 13:08:31 Pacific Daylight Time

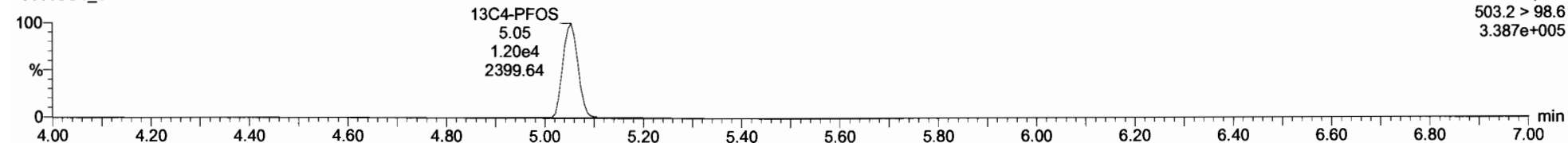
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Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

**13C4-PFOS**

150508G1\_8

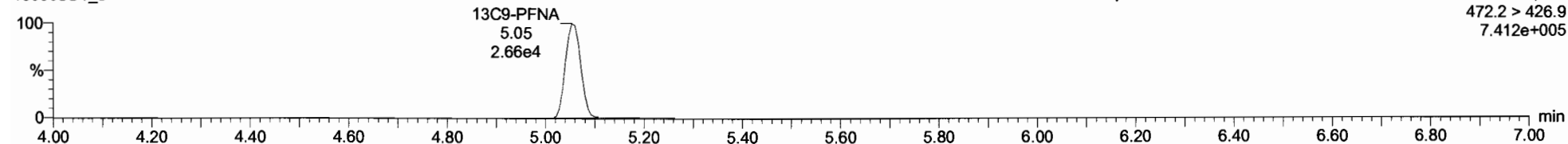
F4:MRM of 7 channels,ES-  
503.2 > 98.6  
3.387e+005



**13C9-PFNA**

150508G1\_8

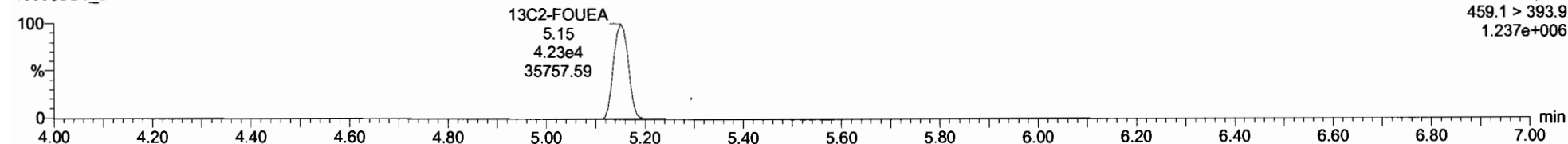
F4:MRM of 7 channels,ES-  
472.2 > 426.9  
7.412e+005



**13C2-FOUEA**

150508G1\_8

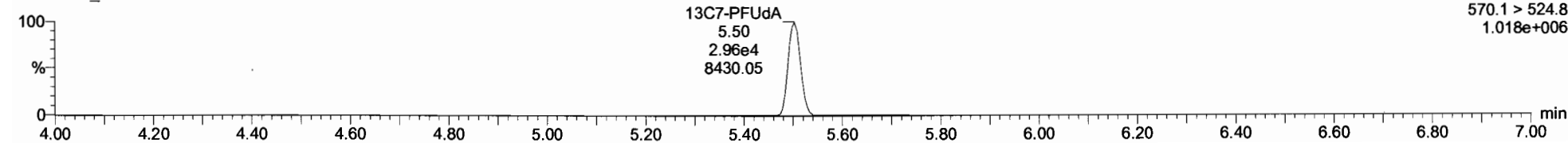
F4:MRM of 7 channels,ES-  
459.1 > 393.9  
1.237e+006



**13C7-PFUdA**

150508G1\_8

F5:MRM of 12 channels,ES-  
570.1 > 524.8  
1.018e+006



Dataset:      Untitled

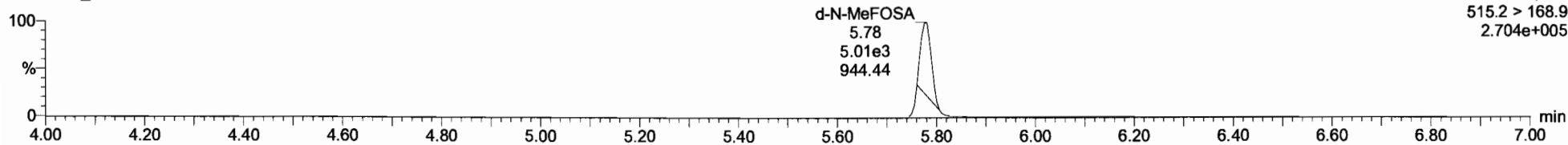
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Printed:          Monday, May 11, 2015 13:09:00 Pacific Daylight Time

Name: 150508G1\_8, Date: 08-May-2015, Time: 17:14:26, ID: ST150508G1-8 PFC CS6 15E0815, Description: PFC CS6 15E0815

**d-N-MeFOSA**

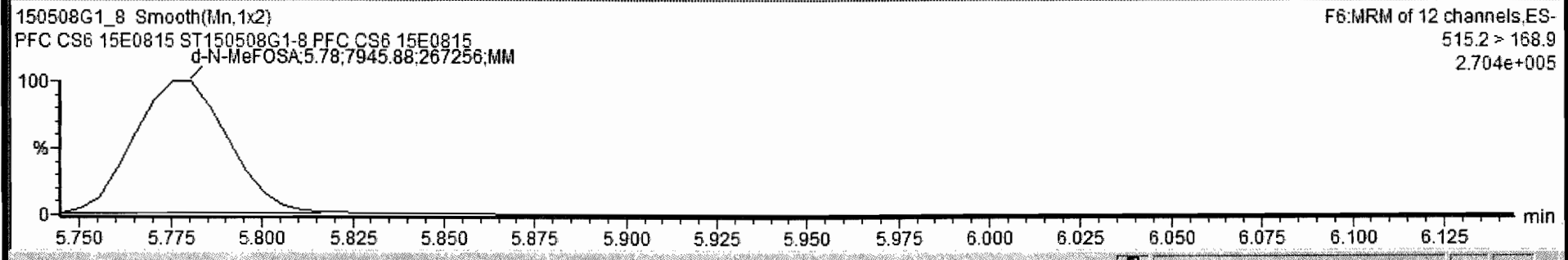
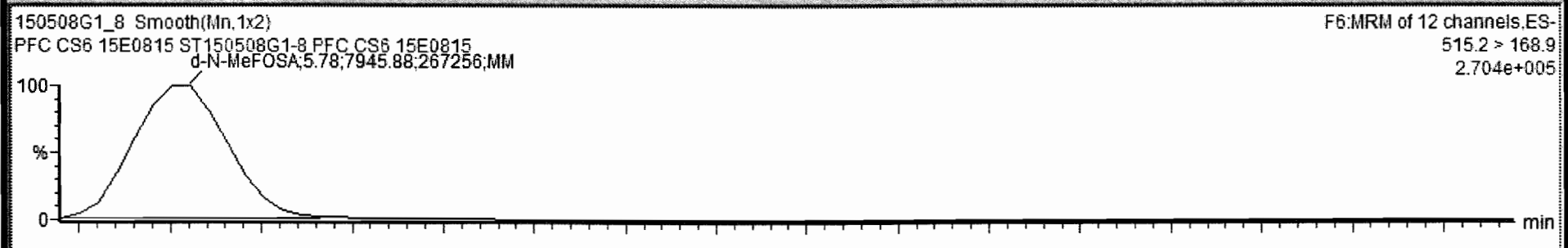
150508G1\_8

F6:MRM of 12 channels,ES-  
515.2 > 168.9  
2.704e+005



150508G1\_8 - ST150508G1-8 PFC CS6 15E0815 - PFC CS6 15E0815

Name	Trace	Area	Response	RRF	Wt/Vol	RT	Conc.	%Rec	DL	%RSD	Coeff. Of D...
44	13C4-PFBA	217 > 171.8	3.51e4	50.000	1.000	1.000	2.25	50.0	100.0	0.0341184	0.000000...
45	13C2-4:2 FTS	329.2 > 308.9	1.18e4	50.000	1.000	1.000	3.91	50.0	100.0	0.0119348	0.000000...
46	13C-PFHxA	315 > 269.8	2.54e4	50.000	1.000	1.000	3.94	50.0	100.0	0.0035826	0.000
47	13C8-PFOA	421.3 > 376	2.13e4	50.000	1.000	1.000	4.77	50.0	100.0	0.0093407	0.000
48	13C4-PFOS	503.2 > 98.6	1.20e4	50.000	1.000	1.000	5.05	50.0	100.0	0.0520911	0.000000...
49	13C2-FOUEA	459.1 > 393.9	4.23e4	50.000	1.000	1.000	5.15	50.0	100.0	0.0034958	0.000
50	13C9-PFNA	472.2 > 426.9	2.66e4	50.000	1.000	1.000	5.05	50.0	100.0	0.0000000	0.000
51	13C7-PFUDa	570.1 > 524.8	2.96e4	50.000	1.000	1.000	5.50	50.0	100.0	0.0148279	0.000000...
52	d-N-MeFOSA	515.2 > 168.9	7.95e3	50.000	1.000	1.000	5.78	50.0	100.0	0.1039441	0.000000...
53	Total PFBS	299 > 79.7	7.65e4			1.000		201			0.0000
54	Total PFHxS	398.9 > 79.6	6.44e4			1.000		200			
55	Total PFHpS	449 > 98.7	2.98e4			1.000		201			
56	Total PFOS	499 > 98.7	4.92e4			1.000		200			



Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_9.qld

Last Altered: Monday, May 11, 2015 15:57:50 Pacific Daylight Time

Printed: Monday, May 11, 2015 16:10:03 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 11 May 2015 13:08:22

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_9, Date: 08-May-2015, Time: 17:27:08, ID: SS150508G1-1 PFC SSS 15D2417, Description: PFC SSS 15D2417

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	1 PFBA	213.1 > 168.8	1.11e4	4.30e4		1.000	2.28	47.3	94.6
2	3 PFBS	299 > 79.7	2.89e4	1.78e4		1.000	3.45	52.7	105.4
3	5 PFHpA	363 > 318.9	4.06e4	3.37e4		1.000	4.41	47.1	94.2
4	6 PFHxS	398.9 > 79.6	2.26e4	1.78e4		1.000	4.44	47.3	94.6
5	8 PFOA	413 > 368.7	2.73e4	3.91e4		1.000	4.77	36.9	73.8
6	9 PFHpS	449 > 98.7	9.40e3	1.78e4		1.000	4.78	42.9	85.8
7	10 PFOS	499 > 98.7	9.17e3	1.09e4		1.000	5.05	39.6	79.2
8	11 PFNA	463 > 418.8	2.69e4	2.80e4		1.000	5.06	51.8	103.6
9	26 13C3-PFBA	216.1 > 171.8	4.30e4	4.09e4	1.039	1.000	2.28	50.7	101.3
10	27 13C3-PFPeA	266 > 221.8	4.78e4	5.00e4	0.976	1.000	3.29	49.0	98.1
11	28 13C4-PFHpA	367.2 > 321.8	3.37e4	5.00e4	0.850	1.000	4.41	39.7	79.4
12	29 18O2-PFHxS	403 > 102.6	1.78e4	5.00e4	0.420	1.000	4.44	42.4	84.8
13	30 13C2-6:2 FTS	429.1 > 408.9	1.12e4	1.74e4	0.739	1.000	4.76	43.7	87.5
14	31 13C2-PFOA	414.9 > 369.7	3.91e4	3.35e4	1.160	1.000	4.77	50.3	100.5
15	32 13C8-PFOS	507.1 > 98.6	1.09e4	1.10e4	0.939	1.000	5.05	53.0	106.0
16	33 13C5-PFNA	468.2 > 422.9	2.80e4	3.00e4	0.915	1.000	5.06	51.2	102.3
17	44 13C4-PFBA	217 > 171.8	4.09e4	4.09e4	1.000	1.000	2.28	50.0	100.0
18	45 13C2-4:2 FTS	329.2 > 308.9	1.74e4	1.74e4	1.000	1.000	3.91	50.0	100.0
19	46 13C-PFHxA	315 > 269.8	5.00e4	5.00e4	1.000	1.000	3.95	50.0	100.0
20	47 13C8-PFOA	421.3 > 376	3.35e4	3.35e4	1.000	1.000	4.77	50.0	100.0
21	48 13C4-PFOS	503.2 > 98.6	1.10e4	1.10e4	1.000	1.000	5.05	50.0	100.0
22	49 13C2-FOUEA	459.1 > 393.9	3.29e4	3.29e4	1.000	1.000	5.15	50.0	100.0
23	50 13C9-PFNA	472.2 > 426.9	3.00e4	3.00e4	1.000	1.000	5.06	50.0	100.0

70-130  
↓

AC  
5/11/15



Dataset: Untitled

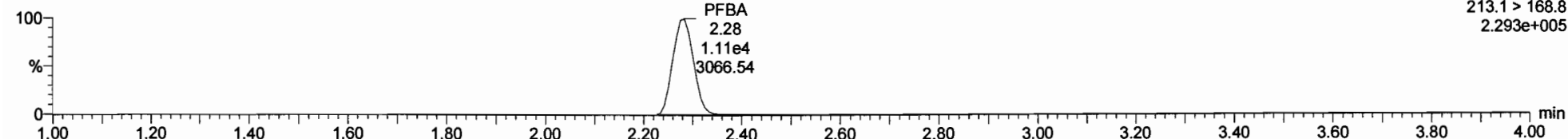
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Printed: Monday, May 11, 2015 15:58:43 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 11 May 2015 13:08:22  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_9, Date: 08-May-2015, Time: 17:27:08, ID: SS150508G1-1 PFC SSS 15D2417, Description: PFC SSS 15D2417

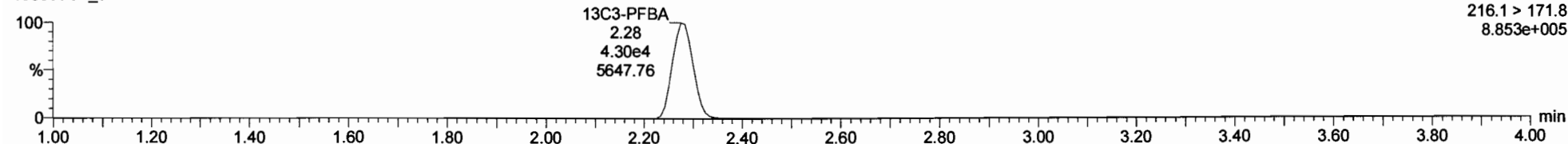
**PFBA**

150508G1\_9



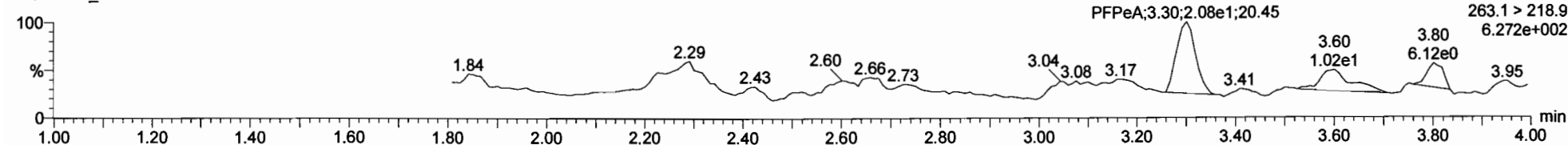
**13C3-PFBA**

150508G1\_9



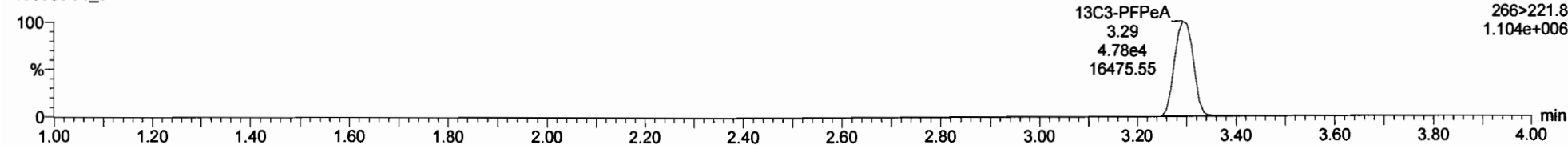
**PFPeA**

150508G1\_9



**13C3-PFPeA**

150508G1\_9

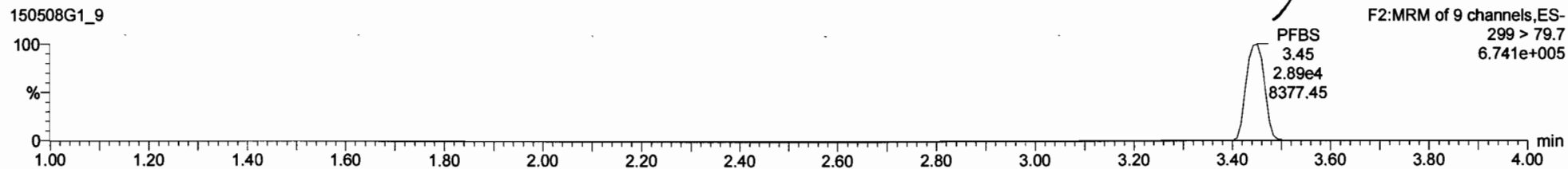


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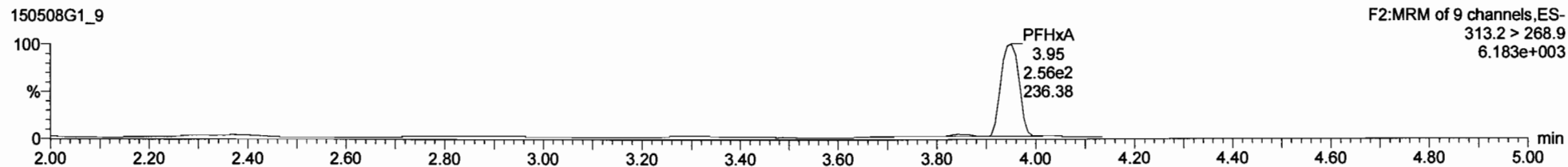
Last Altered: Monday, May 11, 2015 15:57:50 Pacific Daylight Time  
Printed: Monday, May 11, 2015 15:58:43 Pacific Daylight Time

Name: 150508G1\_9, Date: 08-May-2015, Time: 17:27:08, ID: SS150508G1-1 PFC SSS 15D2417, Description: PFC SSS 15D2417

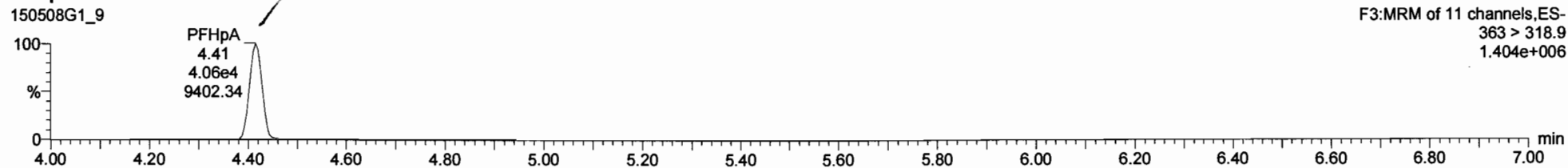
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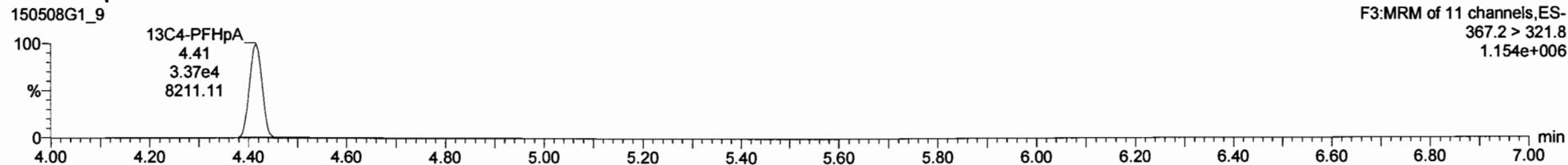
**PFHxA**



**PFHpA**



**13C4-PFHpA**



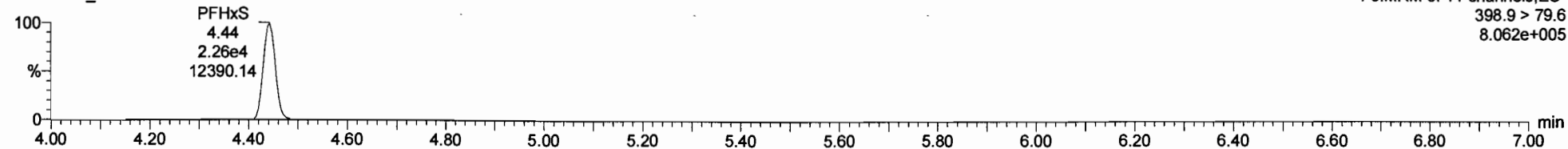
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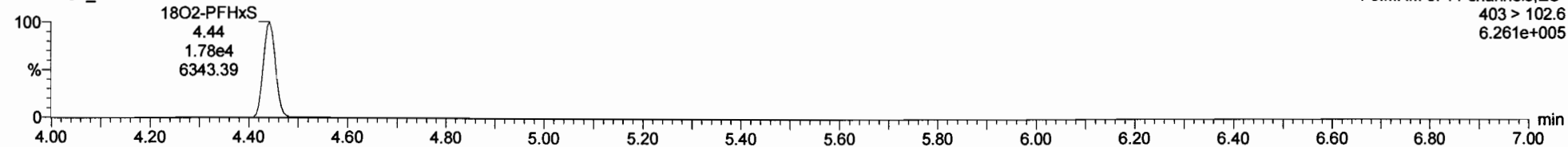
**PFHxS**

150508G1\_9



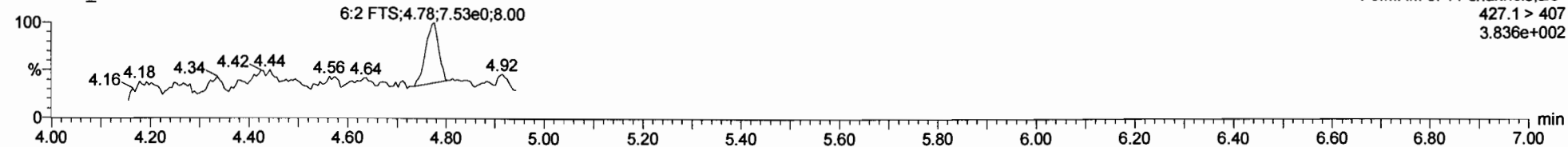
**18O2-PFHxS**

150508G1\_9



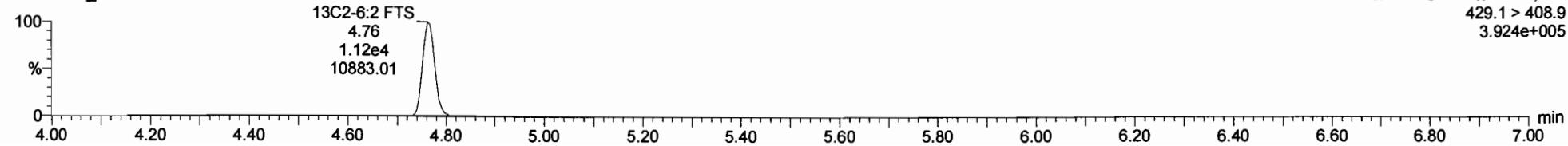
**6:2 FTS**

150508G1\_9



**13C2-6:2 FTS**

150508G1\_9



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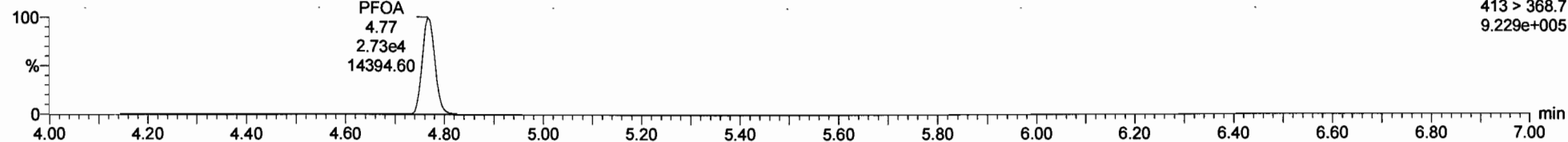
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Printed: Monday, May 11, 2015 15:58:43 Pacific Daylight Time

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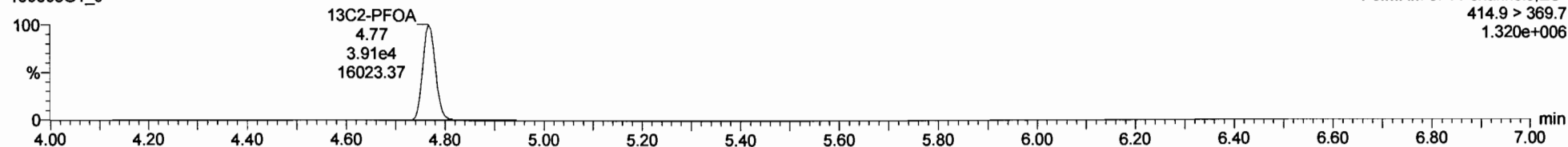
**PFOA**

150508G1\_9



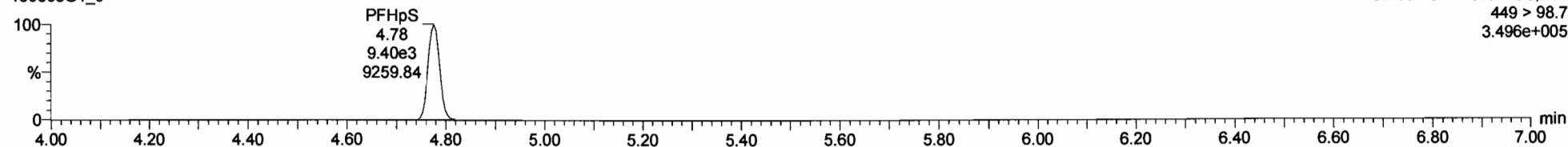
**13C2-PFOA**

150508G1\_9



**PFHpS**

150508G1\_9

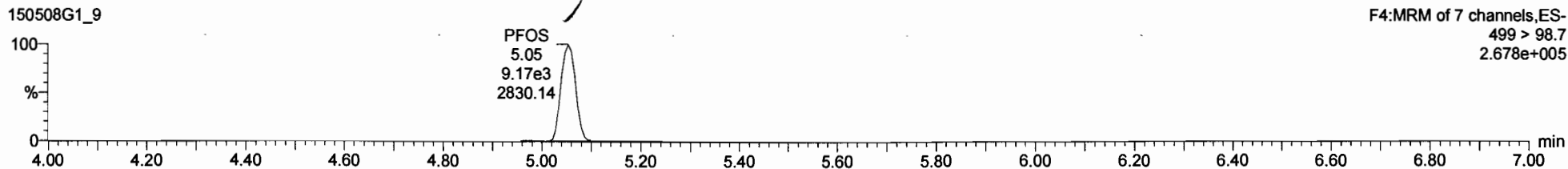


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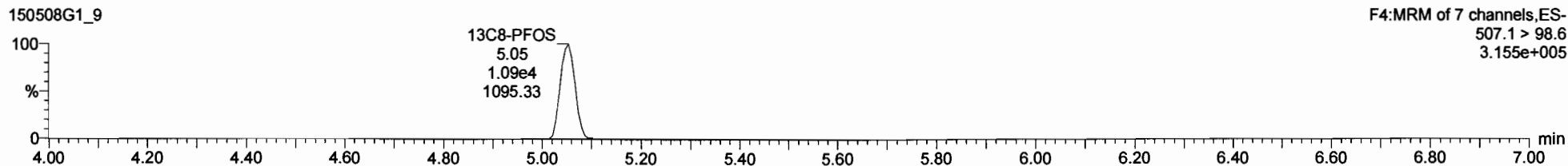
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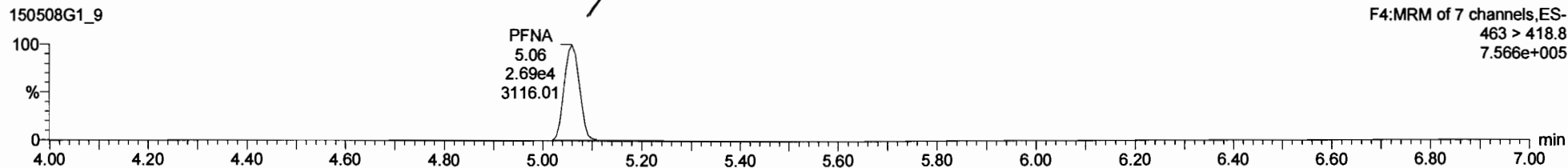
**PFOS**



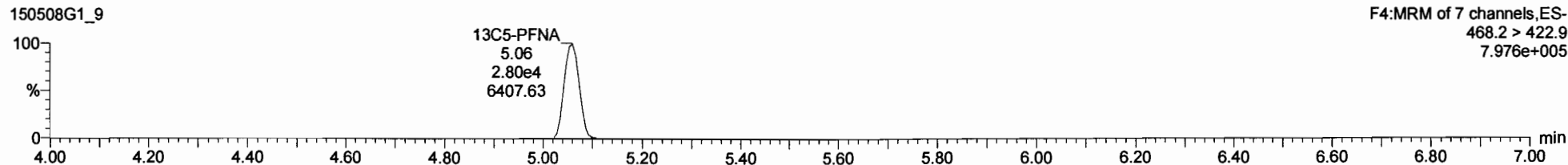
**13C8-PFOS**



**PFNA**



**13C5-PFNA**

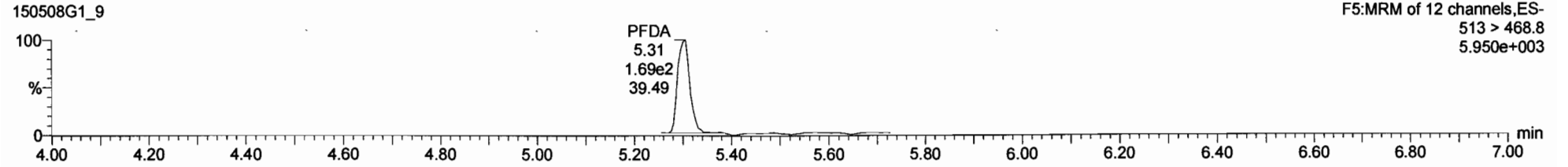


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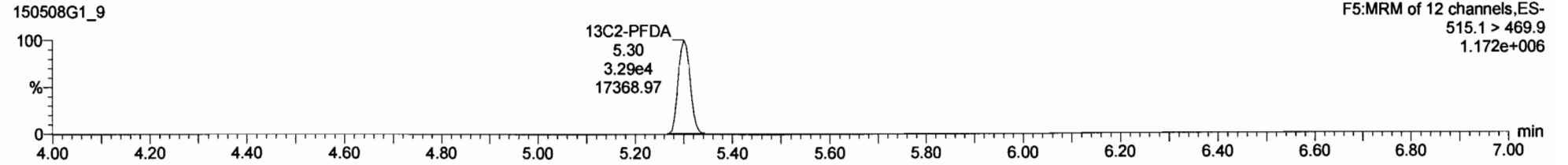
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Printed: Monday, May 11, 2015 15:58:43 Pacific Daylight Time

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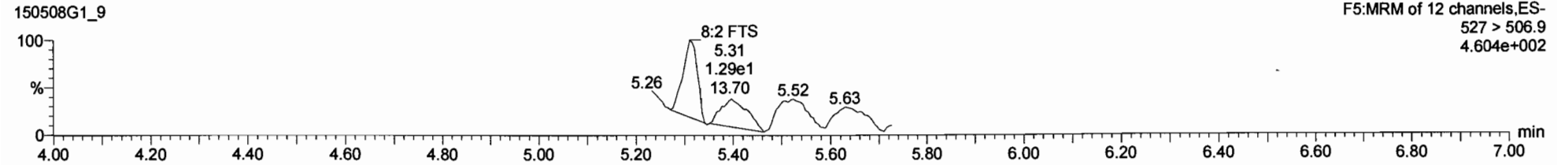
**PFDA**



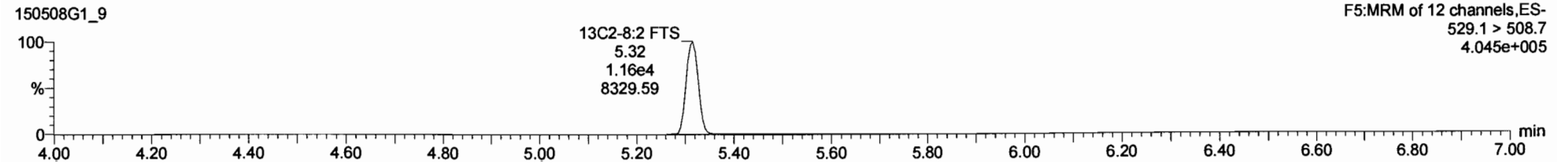
**13C2-PFDA**



**8:2 FTS**



**13C2-8:2 FTS**



Dataset: Untitled

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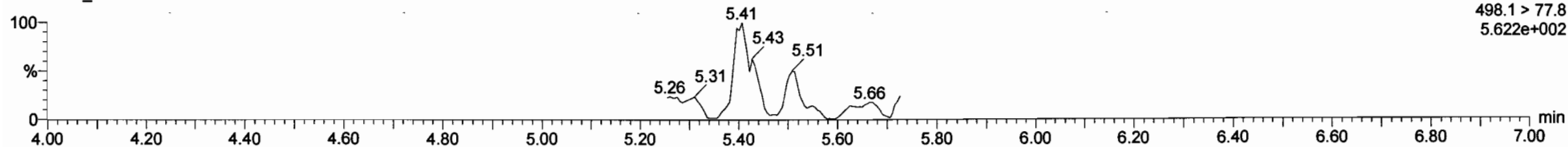
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Name: 150508G1\_9, Date: 08-May-2015, Time: 17:27:08, ID: SS150508G1-1 PFC SSS 15D2417, Description: PFC SSS 15D2417

**FOSA**

150508G1\_9

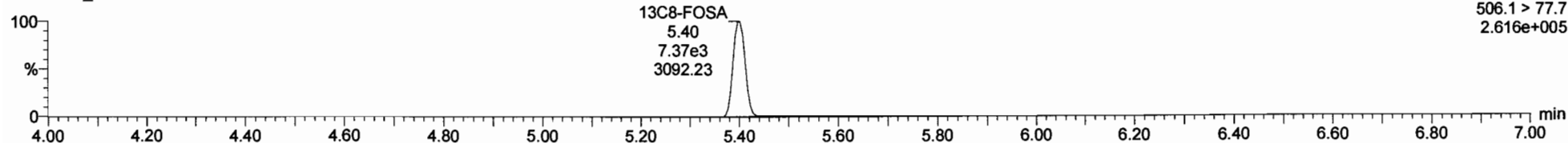
F5:MRM of 12 channels,ES-  
498.1 > 77.8  
5.622e+002



**13C8-FOSA**

150508G1\_9

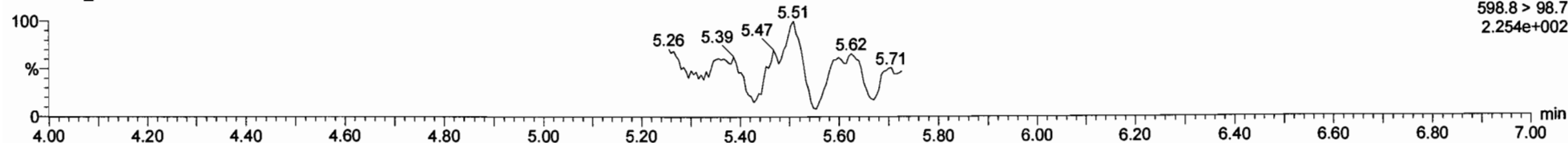
F5:MRM of 12 channels,ES-  
506.1 > 77.7  
2.616e+005



**PFDS**

150508G1\_9

F5:MRM of 12 channels,ES-  
598.8 > 98.7  
2.254e+002



Dataset: Untitled

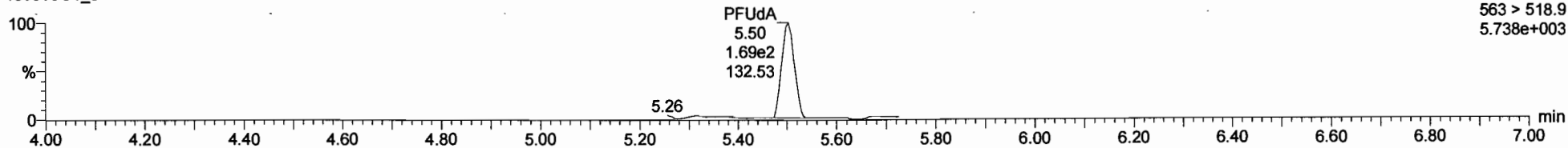
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Name: 150508G1\_9, Date: 08-May-2015, Time: 17:27:08, ID: SS150508G1-1 PFC SSS 15D2417, Description: PFC SSS 15D2417

**PFUdA**

150508G1\_9

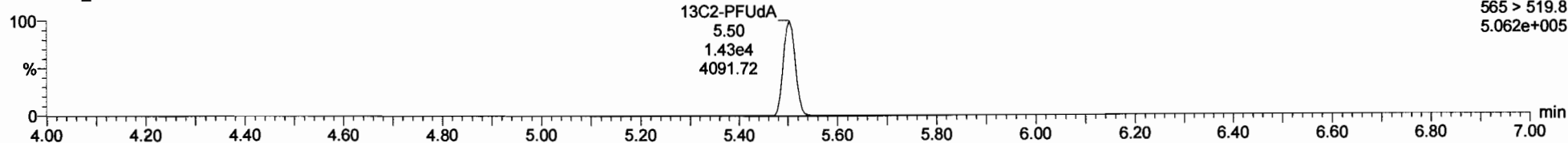
F5:MRM of 12 channels,ES-  
563 > 518.9  
5.738e+003



**13C2-PFUdA**

150508G1\_9

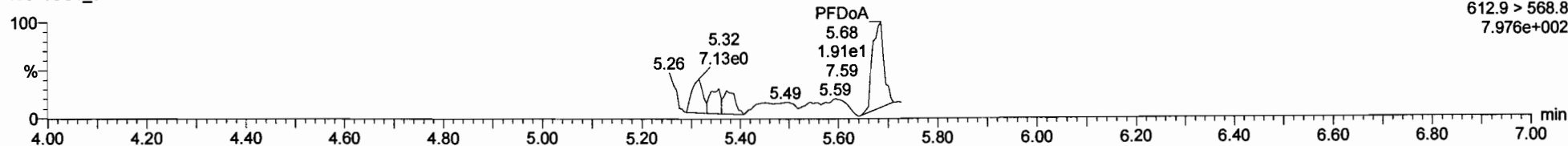
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**PFDaA**

150508G1\_9

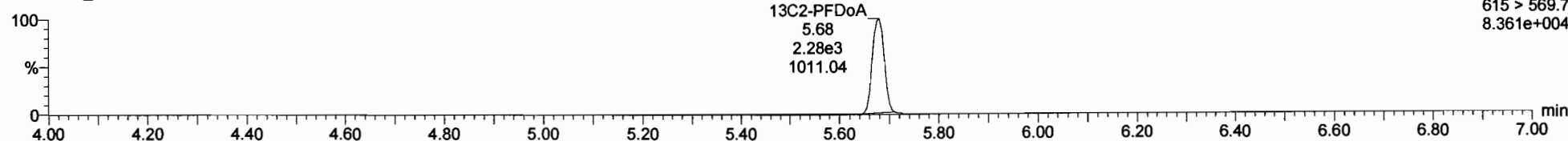
F5:MRM of 12 channels,ES-  
612.9 > 568.8  
7.976e+002



**13C2-PFDaA**

150508G1\_9

F5:MRM of 12 channels,ES-  
615 > 569.7  
8.361e+004





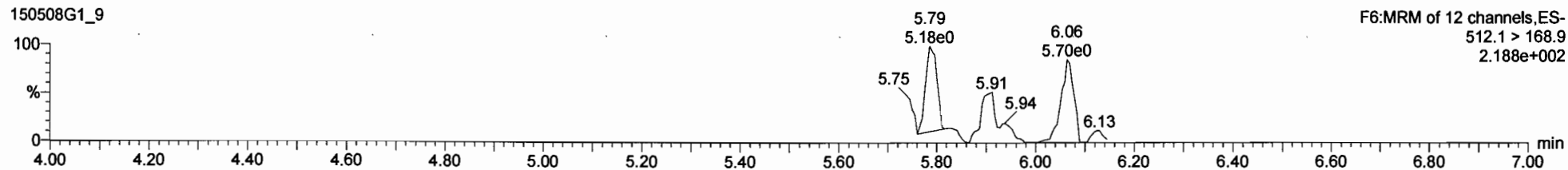
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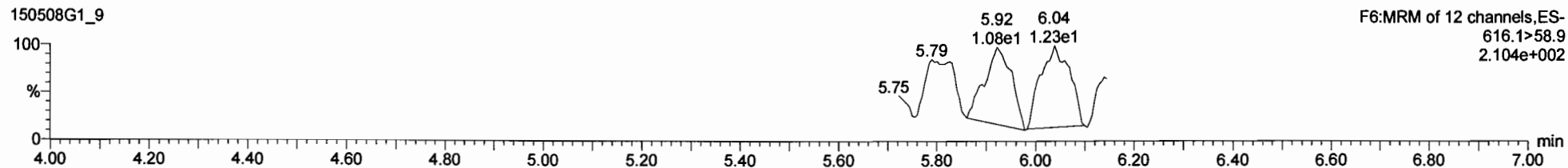
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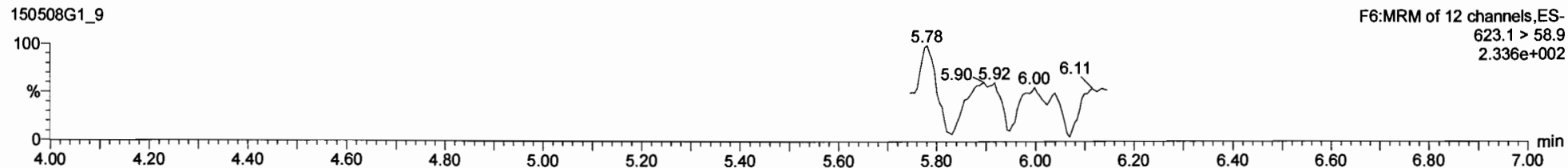
**N-MeFOSA**



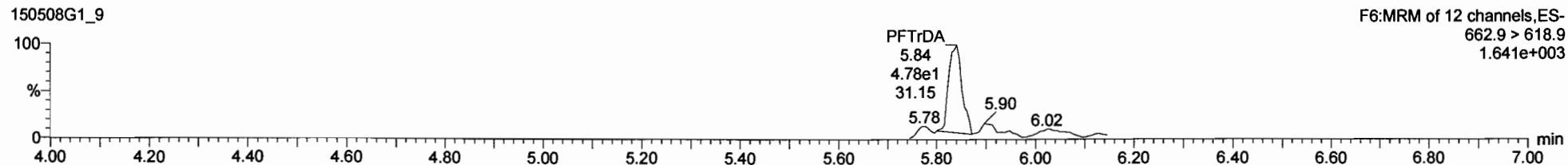
**N-MeFOSE**



**d7-N-MeFOSE**



**PFTTrDA**

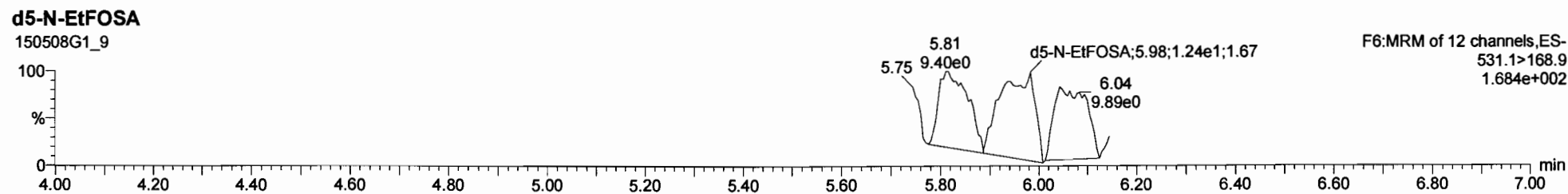
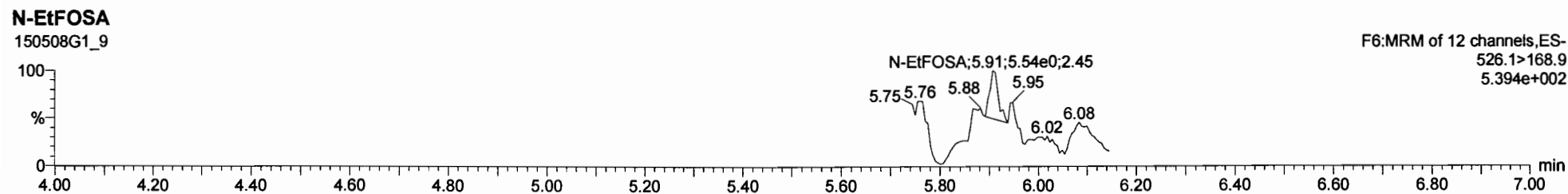
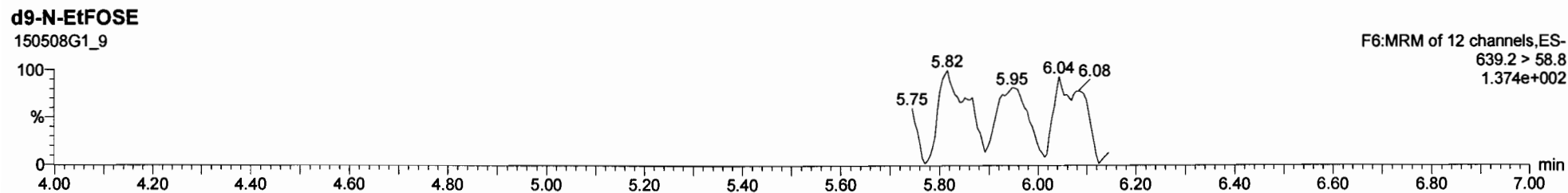
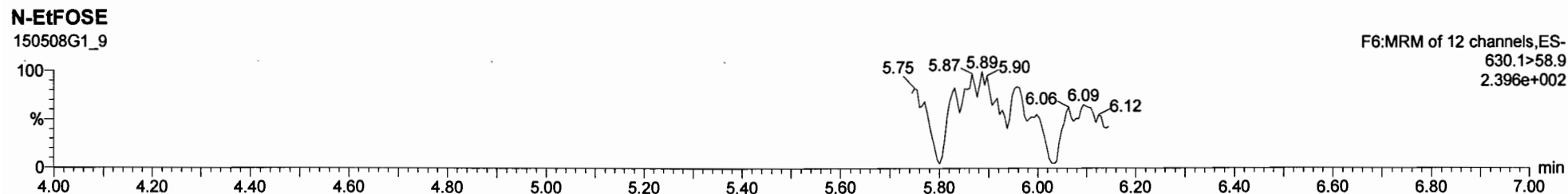


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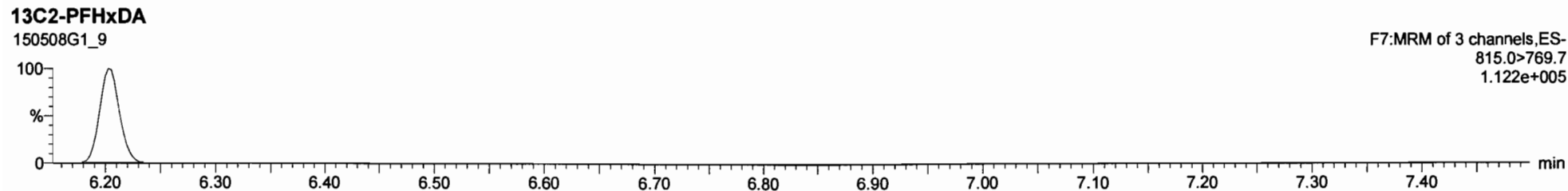
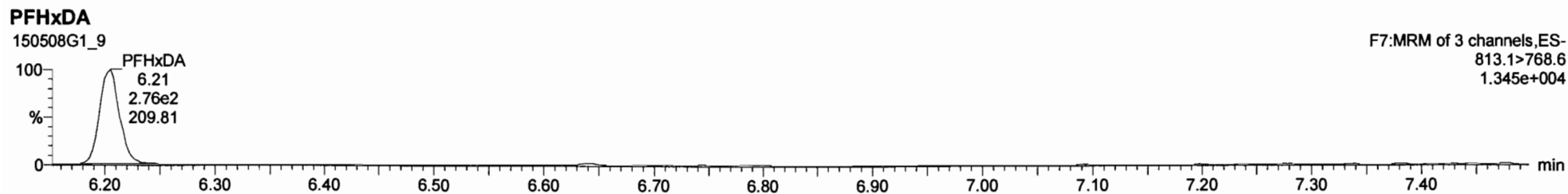
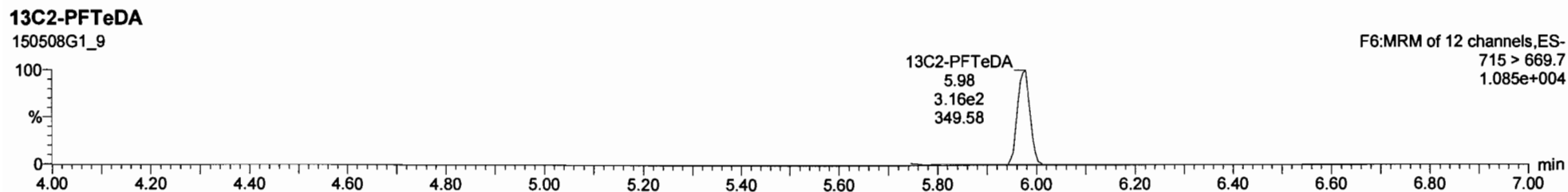
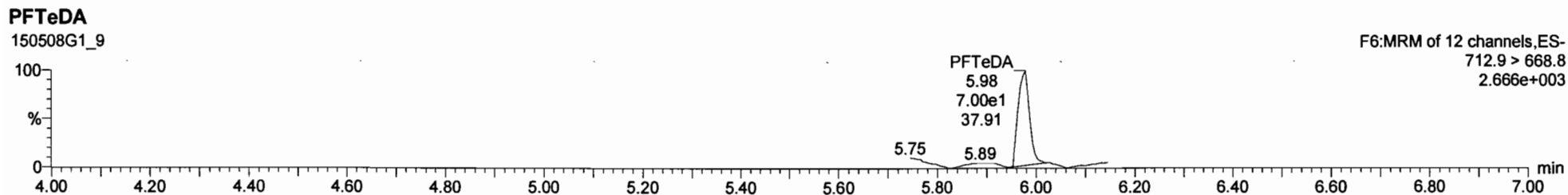
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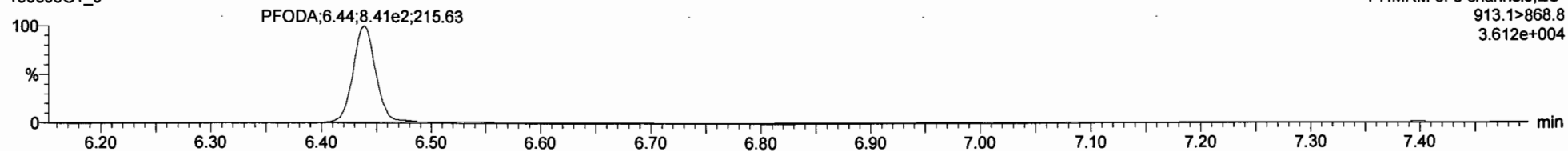
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PFODA

150508G1\_9

F7:MRM of 3 channels,ES-  
913.1>868.8  
3.612e+004



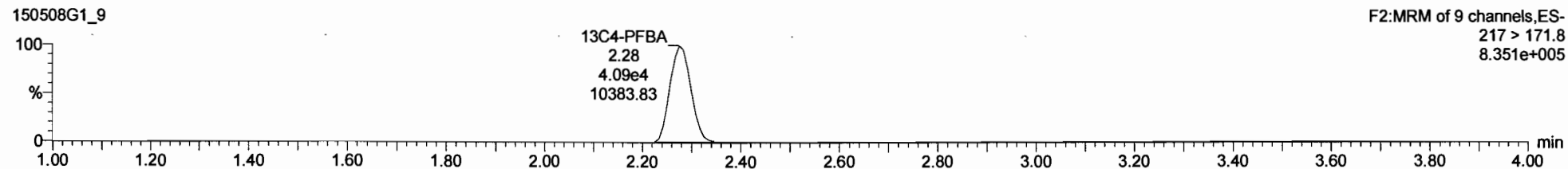
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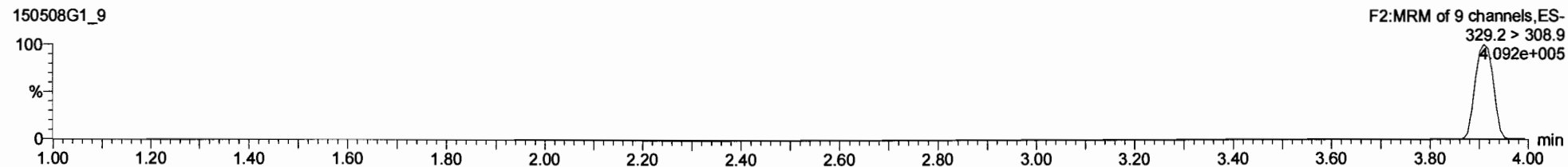
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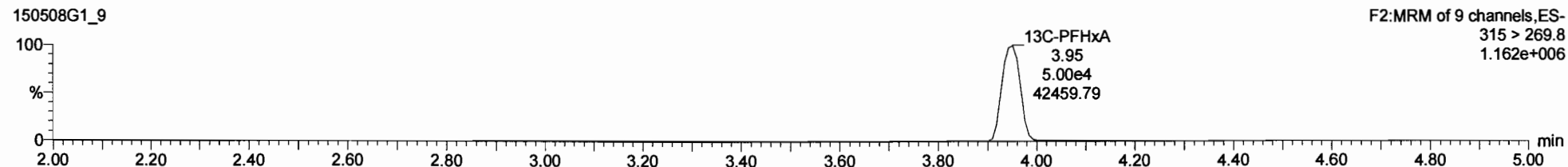
**13C4-PFBA**



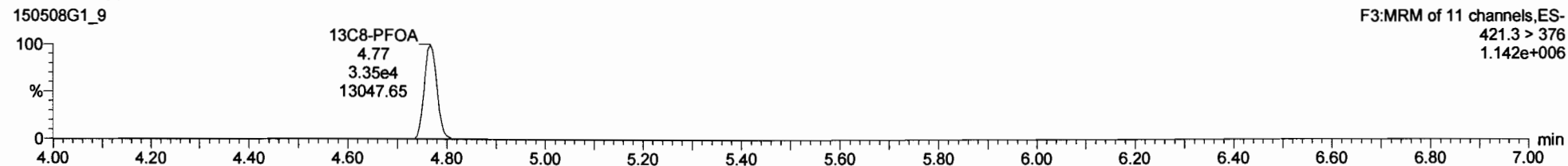
**13C2-4:2 FTS**



**13C-PFHxA**



**13C8-PFOA**

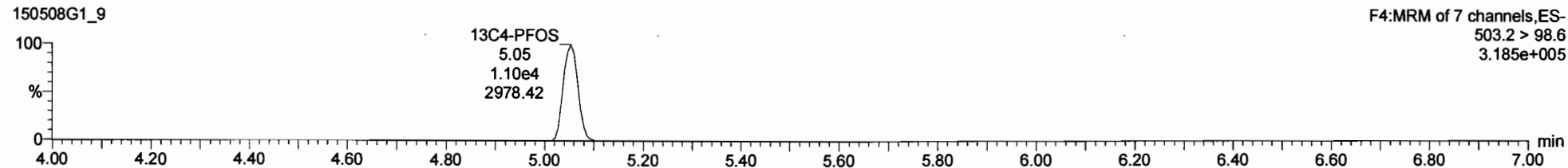


Dataset: Untitled

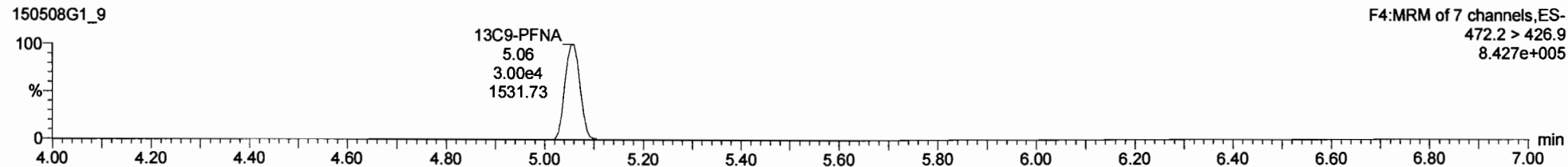
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Name: 150508G1\_9, Date: 08-May-2015, Time: 17:27:08, ID: SS150508G1-1 PFC SSS 15D2417, Description: PFC SSS 15D2417

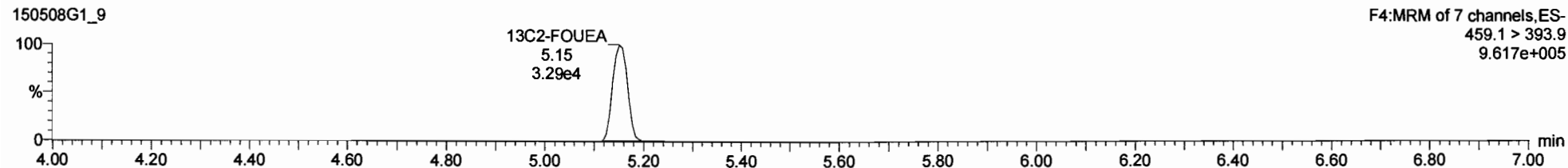
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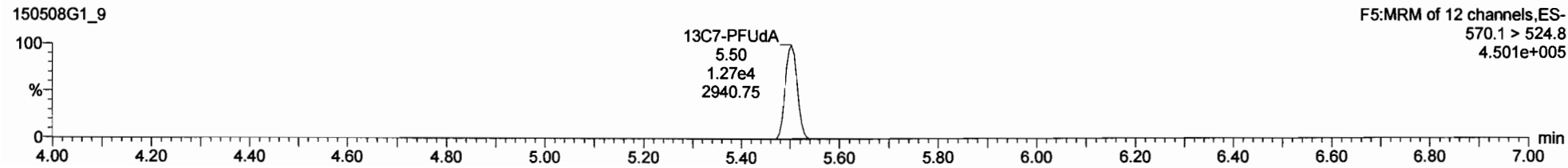
**13C9-PFNA**



**13C2-FOUEA**



**13C7-PFUdA**



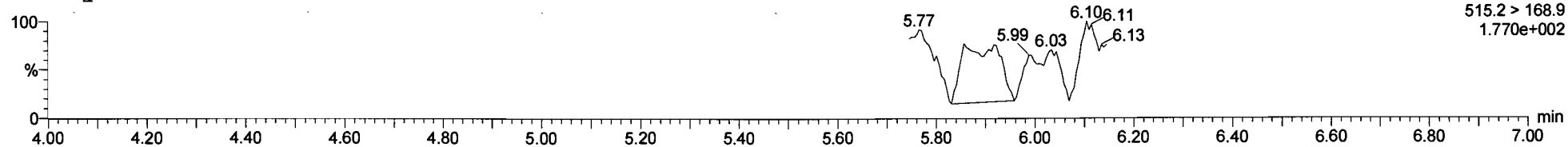
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**d-N-MeFOSA**

150508G1\_9



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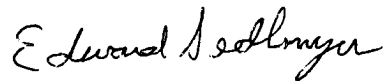
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TO: L. KLINK  
SDG: 1500410

PAGE 2

The data for these analyses were reviewed with reference to the USEPA National Functional Guidelines for Organic Data Validation (June 2008) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (July 2013). The text of this report has been formulated to address only those areas affecting data quality.



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Tetra Tech, Inc.  
Edward Sedlmyer  
Chemist/Data Validator



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Tetra Tech Inc.  
Joseph A. Samchuck  
Data Validation Manager

Attachments:

Appendix A – Qualified Analytical Results  
Appendix B – Results as Reported by the Laboratory  
Appendix C – Support Documentation

### Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

<b>U</b>	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
<b>J</b>	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
<b>J+</b>	The result is an estimated quantity, but the result may be biased high.
<b>J-</b>	The result is an estimated quantity, but the result may be biased low.
<b>UJ</b>	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
<b>R</b>	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
<b>UR</b>	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

**APPENDIX A**

**QUALIFIED ANALYTICAL RESULTS**

**Qualifier Codes:**

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's  $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ( $< 2 \times$  IDL for inorganics and  $<$ CRQL for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors  $>40\%$  for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient  $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids  $<30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate

<b>PROJ_NO: 01509</b> <b>SDG: 1500410</b> <b>FRACTION: OS</b> <b>MEDIA: SOIL</b>	NSAMPLE	PA104-SB28-0608			PA113C-SB11-0103		
	LAB_ID	1500410-01			1500410-02		
	SAMP_DATE	5/3/2015			5/4/2015		
	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	77.6			56.9		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
PENTADECAFLUOROOCCTANOIC ACID	2.04			0.575	U		
PERFLUOROOCCTANE SULFONIC ACID	0.541	J	P	4.31			

**APPENDIX B**

**RESULTS AS REPORTED BY THE LABORATORY**



**Sample ID: PA104-SB28-0608****VAL - PFAS**

Client Data		Sample Data			Laboratory Data			
Name:	Tetra Tech Inc.	Matrix:	Soil	Lab Sample:	1500410-01	Date Received:	06-May-2015 8:56	
Project:	112G01509	Sample Size:	1.46 g	QC Batch:	B5E0032	Date Extracted:	07-May-2015 15:31	
Date Collected:	03-May-2015 12:30	% Solids:	77.6	Date Analyzed:	08-May-15 23:35	Column:	BEH C18	Analyst: AC
Location:	SB28				12-May-15 18:46	Column:	BEH C18	Analyst: AC
Analyte	Conc. (ng/g)	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFOS	0.541	0.441	0.883	J	IS 13C2-PFOA	95.3	60 - 150	
PFOA	2.04	0.441	0.883		IS 13C8-PFOS	62.1	60 - 150	

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to the LOD.

**Sample ID: PA113C-SB11-0103****VAL - PFAS**

Client Data		Sample Data		Laboratory Data				
Name:	Tetra Tech Inc.	Matrix:	Soil	Lab Sample:	1500410-02	Date Received:	06-May-2015 8:56	
Project:	112G01509	Sample Size:	1.53 g	QC Batch:	B5E0032	Date Extracted:	07-May-2015 15:31	
Date Collected:	04-May-2015 11:15	% Solids:	56.9	Date Analyzed:	08-May-15 23:47	Column:	BEH C18 Analyst: AC	
Location:	SB11				12-May-15 18:59	Column:	BEH C18 Analyst: AC	
Analyte	Conc. (ng/g)	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFOS	4.31	0.575	1.15		IS 13C2-PFOA	90.9	60 - 150	
PFOA	ND	0.575	1.15		IS 13C8-PFOS	67.1	60 - 150	

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Results reported to the LOD.

**APPENDIX C**  
**SUPPORT DOCUMENTATION**

May 22, 2015

**Vista Project I.D.: 1500410**

Ms. Peggy Churchill  
Tetra Tech Inc.  
11 Riverside Drive, Suite 206  
Cocoa, FL 32922

Dear Ms. Churchill,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 06, 2015. This sample set was analyzed on a standard turn-around time, under your Project Name '112G01509'.

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](mailto:mmaier@vista-analytical.com).

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

Sincerely,

Martha Maier  
Laboratory Director



*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC 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. 1500410**

**Case Narrative**

**Sample Condition on Receipt:**

Two soil 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.

**Analytical Notes:**

**VAL-PFAS**

The solid samples were extracted and analyzed for PFOA and PFOS using VAL Method PFAS.

**Holding Times**

The samples were extracted and analyzed within the 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 the LOD. The OPR recoveries were within the method acceptance criteria.

The recoveries of all internal standards for the QC and field samples were within the acceptance criteria.

# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
1500410-01	PA104-SB28-0608	03-May-15 12:30	06-May-15 08:56	HDPE Bottle
1500410-02	PA113C-SB11-0103	04-May-15 11:15	06-May-15 08:56	HDPE Bottle

## DATA QUALIFIERS & ABBREVIATIONS

<b>B</b>	<b>This compound was also detected in the method blank.</b>
<b>D</b>	<b>Dilution</b>
<b>E</b>	<b>The associated compound concentration exceeded the calibration range of the instrument.</b>
<b>H</b>	<b>Recovery and/or RPD was outside laboratory acceptance limits.</b>
<b>I</b>	<b>Chemical Interference</b>
<b>J</b>	<b>The amount detected is below the Lower Calibration Limit of the instrument.</b>
<b>*</b>	<b>See Cover Letter</b>
<b>Conc.</b>	<b>Concentration</b>
<b>DL</b>	<b>Sample-specific estimated detection limit</b>
<b>MDL</b>	<b>The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.</b>
<b>EMPC</b>	<b>Estimated Maximum Possible Concentration</b>
<b>NA</b>	<b>Not applicable</b>
<b>RL</b>	<b>Reporting Limit – concentrations that correspond to low calibration point</b>
<b>ND</b>	<b>Not Detected</b>
<b>TEQ</b>	<b>Toxic Equivalency</b>

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



PROJECT NO: 112601509		FACILITY: Parris Island		PROJECT MANAGER P. Churchill		PHONE NUMBER 321-636-6470		LABORATORY NAME AND CONTACT: Martha Mier/Vista Analytical Lab			
SAMPLERS (SIGNATURE) 				FIELD OPERATIONS LEADER S-Hill		PHONE NUMBER 973-607-7988		ADDRESS 1104 Windfield Way CITY, STATE El Dorado Hills, CA 95762			
STANDARD TAT <input checked="" type="checkbox"/> RUSH TAT <input type="checkbox"/> <input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day				CONTAINER TYPE PLASTIC (P) or GLASS (G)		PRESERVATIVE USED		TYPE OF ANALYSIS PFCA/PFOA 4°C G			
DATE YEAR	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)				
5/5/15	1230	PA104-SB28-0608	SB28	6	8	SO	G	1	1		
5/5/15	1115	PA113C-SB11-0103	SB11	1	3	SO	G	1	1		
1. RELINQUISHED BY 		DATE 5/5/15	TIME 1700	1. RECEIVED BY Fed Ex		DATE 5/5/15	TIME 1700	2. RECEIVED BY Bette Benedict		DATE 05/06/15	TIME 0858
2. RELINQUISHED BY FedEx		DATE	TIME	3. RECEIVED BY		DATE	TIME			DATE	TIME
COMMENTS											



**SAMPLE LOG-IN CHECKLIST**



Vista Project #: 1500410 TAT SJD

<b>Samples Arrival:</b>	<b>Date/Time:</b> 05/06/15 0856	<b>Initials:</b> BSB	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> N/A
<b>Logged In:</b>	<b>Date/Time:</b> 05/06/15 1343	<b>Initials:</b> BSB	<b>Location:</b> WR-2
			<b>Shelf/Rack:</b> A5
<b>Delivered By:</b>	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered
	<input type="checkbox"/> Other		
<b>Preservation:</b>	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
<b>Temp °C:</b> 0.9 (uncorrected)	<b>Time:</b> 0857	<b>Thermometer ID:</b> IR-1	
<b>Temp °C:</b> 1.0 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill			
Trk # 8079 5480 8265	✓		
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?			✓
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Preservation Documented?			
COC			None
Sample Container			
Shipping Container	Vista	<input checked="" type="checkbox"/> Client	Retain
			Return
			Dispose

Comments:

Sample ID: Method Blank					VAL - PFAS			
Matrix: Solid		QC Batch: B5E0032			Lab Sample: B5E0032-BLK1			
Sample Size: 1.00 g		Date Extracted: 07-May-2015 15:31			Date Analyzed: 08-May-15 23:22	Column: BEH C18	Analyst: AC	
Analyte	Conc. (ng/g)	LOD	LOQ	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
PFOS	ND	0.500	1.00		IS 13C2-PFOA	114	60 - 150	
PFOA	ND	0.500	1.00		IS 13C8-PFOS	104	60 - 150	

DL - Sample specific estimated detection limit  
EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit  
The results are reported in dry weight.  
The sample size is reported in wet weight.  
Results reported to the LOD.

**Sample ID: OPR**

**VAL - PFAS**

Matrix: Solid  
Sample Size: 1.00 g

QC Batch: B5E0032  
Date Extracted: 07-May-2015 15:31

Lab Sample: B5E0032-BS1  
Date Analyzed: 08-May-15 23:09 Column: BEH C18 Analyst: AC

Analyte	Amt Found (ng/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PFOS	2.11	2.00	106	50 - 150	IS 13C2-PFOA	109	60 - 150
PFOA	2.02	2.00	101	70 - 130	IS 13C8-PFOS	100	60 - 150

LCL-UCL - Lower control limit - upper control limit

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

**Compound name: 6:2 FTS**

Coefficient of Determination:  $R^2 = 0.999008$

Calibration curve:  $-0.00041331 * x^2 + 0.493707 * x$

Response type: Internal Std ( Ref 30 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	4.78	9.16e1	1.52e4	0.612	0.9990
2	2 150508G1_2	1.00	4.77	1.11e2	1.05e4	1.08	0.9990
3	3 150508G1_3	2.00	4.77	2.12e2	1.14e4	1.89	0.9990
4	4 150508G1_4	5.00	4.77	5.39e2	1.10e4	4.96	0.9990
5	5 150508G1_5	10.0	4.76	1.15e3	1.08e4	10.9	0.9990
6	6 150508G1_6	50.0	4.76	4.78e3	1.10e4	45.6	0.9990
7	7 150508G1_7	100	4.76	8.32e3	8.92e3	103	0.9990
8	8 150508G1_8	200	4.76	1.41e4	8.62e3	199	0.9990

**Compound name: PFOA**

Coefficient of Determination:  $R^2 = 0.999872$

Calibration curve:  $-0.000103446 * x^2 + 0.950371 * x$

Response type: Internal Std ( Ref 31 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	4.79	5.74e2	4.02e4	0.752	0.9999
2	2 150508G1_2	1.00	4.77	8.60e2	4.49e4	1.01	0.9999
3	3 150508G1_3	2.00	4.77	1.60e3	4.42e4	1.90	0.9999
4	4 150508G1_4	5.00	4.77	3.56e3	3.93e4	4.76	0.9999
5	5 150508G1_5	10.0	4.77	8.25e3	3.94e4	11.0	0.9999
6	6 150508G1_6	50.0	4.77	3.33e4	3.64e4	48.5	0.9999
7	7 150508G1_7	100	4.77	5.33e4	2.81e4	101	0.9999
8	8 150508G1_8	200	4.77	8.87e4	2.39e4	200	0.9999

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

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**Compound name: PFHpS**

Coefficient of Determination:  $R^2 = 0.998871$   
 Calibration curve:  $0.000328508 * x^2 + 0.601622 * x$   
 Response type: Internal Std ( Ref 29 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	4.79	1.03e2	1.71e4	0.503	0.9989
2	2 150508G1_2	1.00	4.78	1.66e2	1.70e4	0.811	0.9989
3	3 150508G1_3	2.00	4.78	4.40e2	1.75e4	2.09	0.9989
4	4 150508G1_4	5.00	4.78	9.78e2	1.61e4	5.03	0.9989
5	5 150508G1_5	10.0	4.78	2.30e3	1.63e4	11.7	0.9989
6	6 150508G1_6	50.0	4.78	1.08e4	1.59e4	54.9	0.9989
7	7 150508G1_7	100	4.78	1.72e4	1.42e4	96.2	0.9989
8	8 150508G1_8	200	4.78	2.97e4	1.11e4	201	0.9989

**Compound name: PFOS**

Coefficient of Determination:  $R^2 = 0.999903$   
 Calibration curve:  $0.000368843 * x^2 + 1.04217 * x$   
 Response type: Internal Std ( Ref 32 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.07	9.58e1	1.18e4	0.390	0.9999
2	2 150508G1_2	1.00	5.06	2.11e2	1.13e4	0.901	0.9999
3	3 150508G1_3	2.00	5.05	4.74e2	1.23e4	1.84	0.9999
4	4 150508G1_4	5.00	5.05	1.12e3	1.15e4	4.69	0.9999
5	5 150508G1_5	10.0	5.05	2.76e3	1.21e4	11.0	0.9999
6	6 150508G1_6	50.0	5.05	1.52e4	1.48e4	48.6	0.9999
7	7 150508G1_7	100	5.05	2.51e4	1.15e4	101	0.9999
8	8 150508G1_8	200	5.05	4.92e4	1.10e4	200	0.9999

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
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**Compound name: PFNA**

Coefficient of Determination:  $R^2 = 0.999547$

Calibration curve:  $0.000330257 * x^2 + 0.909529 * x$

Response type: Internal Std ( Ref 33 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.08	3.64e2	2.82e4	0.708	0.9995
2	2 150508G1_2	1.00	5.06	6.19e2	2.92e4	1.17	0.9995
3	3 150508G1_3	2.00	5.06	1.10e3	2.99e4	2.02	0.9995
4	4 150508G1_4	5.00	5.06	2.64e3	2.79e4	5.20	0.9995
5	5 150508G1_5	10.0	5.06	6.40e3	2.90e4	12.1	0.9995
6	6 150508G1_6	50.0	5.06	2.74e4	3.15e4	46.9	0.9995
7	7 150508G1_7	100	5.06	4.95e4	2.58e4	102	0.9995
8	8 150508G1_8	200	5.06	9.16e4	2.35e4	200	0.9995

**Compound name: PFDA**

Coefficient of Determination:  $R^2 = 0.999783$

Calibration curve:  $-0.000311293 * x^2 + 1.15525 * x$

Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.32	6.12e2	3.28e4	0.806	0.9998
2	2 150508G1_2	1.00	5.31	8.23e2	3.18e4	1.12	0.9998
3	3 150508G1_3	2.00	5.30	1.62e3	3.60e4	1.94	0.9998
4	4 150508G1_4	5.00	5.30	3.79e3	3.50e4	4.69	0.9998
5	5 150508G1_5	10.0	5.30	8.80e3	3.40e4	11.2	0.9998
6	6 150508G1_6	50.0	5.30	4.79e4	4.37e4	48.0	0.9998
7	7 150508G1_7	100	5.30	7.20e4	3.16e4	101	0.9998
8	8 150508G1_8	200	5.30	1.62e5	3.72e4	200	0.9998

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
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**Compound name: 8:2 FTS**

Coefficient of Determination:  $R^2 = 0.999830$   
 Calibration curve:  $-0.000475814 * x^2 + 0.963198 * x$   
 Response type: Internal Std ( Ref 35 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

Ⓐ Excluded, IS not linear. AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.33	1.36e2	1.47e4	0.481	0.9998
2	2 150508G1_2	1.00	5.32	2.46e2	1.06e4	1.20	0.9998
3	3 150508G1_3	2.00	5.32	4.76e2	1.33e4	1.86	0.9998
4	4 150508G1_4	5.00	5.32	1.24e3	1.23e4	5.28	0.9998
5	5 150508G1_5	10.0	5.32	2.62e3	1.23e4	11.1	0.9998
6	6 150508G1_6	50.0	5.32	1.49e4	1.64e4	48.3	0.9998
7	7 150508G1_7	100	5.32	2.32e4	1.25e4	101	0.9998
8	8 150508G1_8	200	5.32	5.01e4	1.44e4	200	0.9998

**Compound name: FOSA**

Coefficient of Determination:  $R^2 = 0.999724$   
 Calibration curve:  $7.04969e-005 * x^2 + 0.568845 * x$   
 Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.42	1.04e2	1.67e4	0.547	0.9997
2	2 150508G1_2	1.00	5.41	9.53e1	1.09e4	0.767	0.9997
3	3 150508G1_3	2.00	5.40	3.05e2	1.29e4	2.08	0.9997
4	4 150508G1_4	5.00	5.40	6.54e2	1.28e4	4.48	0.9997
5	5 150508G1_5	10.0	5.40	1.46e3	1.13e4	11.4	0.9997
6	6 150508G1_6	50.0	5.40	1.41e4	2.49e4	49.6	0.9997
7	7 150508G1_7	100	5.40	1.90e4	1.65e4	100	0.9997
8	8 150508G1_8	200	5.40	1.05e5	4.48e4	200	0.9997

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

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**Compound name: PFDS**

Coefficient of Determination: R^2 = 0.999927

Calibration curve: 0.00071702 \* x^2 + 0.0818658 \* x

Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc	Coeff. Of D...
1	1 150508G1_1	0.500	5.50	4.32e1	3.28e4	0.798	0.9999
2	2 150508G1_2	1.00	5.50	7.90e1	3.18e4	1.50	0.9999
3	3 150508G1_3	2.00	5.49	1.18e2	3.60e4	1.97	0.9999
4	4 150508G1_4	5.00	5.49	3.16e2	3.50e4	5.28	0.9999
5	5 150508G1_5	10.0	5.49	7.80e2	3.40e4	12.6	0.9999
6	6 150508G1_6	50.0	5.49	4.96e3	4.37e4	48.6	0.9999
7	7 150508G1_7	100	5.49	9.79e3	3.16e4	100	0.9999
8	8 150508G1_8	200	5.49	3.35e4	3.72e4	200	0.9999

**Compound name: PFUdA**

Coefficient of Determination: R^2 = 0.999874

Calibration curve: -8.50084e-005 \* x^2 + 1.02996 \* x

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc	Coeff. Of D...
1	1 150508G1_1	0.500	5.52	5.29e2	2.14e4	1.20	0.9999
2	2 150508G1_2	1.00	5.51	6.68e2	1.93e4	1.68	0.9999
3	3 150508G1_3	2.00	5.50	1.22e3	2.40e4	2.46	0.9999
4	4 150508G1_4	5.00	5.50	2.47e3	2.41e4	4.98	0.9999
5	5 150508G1_5	10.0	5.50	5.07e3	2.13e4	11.6	0.9999
6	6 150508G1_6	50.0	5.50	2.96e4	2.93e4	49.2	0.9999
7	7 150508G1_7	100	5.50	4.95e4	2.42e4	100	0.9999
8	8 150508G1_8	200	5.50	1.40e5	3.45e4	200	0.9999



Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
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**Compound name: PFDoA**

Coefficient of Determination:  $R^2 = 0.999831$   
 Calibration curve:  $0.000736243 * x^2 + 0.857671 * x$   
 Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

ⓐ COD outside method limits.  
 AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.69	2.14e2	1.68e4	0.741	0.9998
2	2 150508G1_2	1.00	5.68	2.03e2	1.14e4	1.04	0.9998
3	3 150508G1_3	2.00	5.68	5.42e2	1.59e4	1.99	0.9998
4	4 150508G1_4	5.00	5.68	1.29e3	1.37e4	5.47	0.9998
5	5 150508G1_5	10.0	5.68	2.77e3	1.37e4	11.7	0.9998
6	6 150508G1_6	50.0	5.68	1.49e4	1.61e4	51.4	0.9998
7	7 150508G1_7	100	5.68	3.09e4	1.68e4	98.7	0.9998
8	8 150508G1_8	200	5.68	1.73e5	4.31e4	200	0.9998

**Compound name: N-MeFOSA**

Coefficient of Determination:  $R^2 = 0.939196$  ⓐ  
 Calibration curve:  $0.00291862 * x^2 + -0.323442 * x$   
 Response type: Internal Std ( Ref 39 ), Area \* ( IS Conc. / IS Area )  
 Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	5.00	5.80	2.68e2	2.17e3	127	0.9392
2	2 150508G1_2	10.0	5.79	1.16e2	1.07e3	126	0.9392
3	3 150508G1_3	20.0	5.78	6.98e2	1.71e3	156	0.9392
4	4 150508G1_4	50.0	5.78	1.23e3	1.52e3	186	0.9392
5	5 150508G1_5	100	5.78	5.46e3	2.57e3	254	0.9392
6	6 150508G1_6	500	5.78	8.75e3	1.70e2	997	0.9392
7	7 150508G1_7	1000	5.78	2.29e4	1.08e3	661	0.9392
8	8 150508G1_8	2000	5.78	2.23e5	9.88e2	2020	0.9392

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

**Compound name: N-MeFOSE**

Coefficient of Determination:  $R^2 = 0.999662$

Calibration curve:  $0.000266129 * x^2 + 0.682944 * x$

Response type: Internal Std ( Ref 39 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	5.00	5.81	2.18e2	2.17e3	7.35	0.9997
2	2 150508G1_2	10.0	5.80	1.70e2	1.07e3	11.6	0.9997
3	3 150508G1_3	20.0	5.79	6.80e2	1.71e3	28.7	0.9997
4	4 150508G1_4	50.0	5.79	1.29e3	1.52e3	60.7	0.9997
5	5 150508G1_5	100	5.79	5.61e3	2.57e3	151	0.9997
6	6 150508G1_6	500	5.79	1.39e3	1.70e2	503	0.9997
7	7 150508G1_7	1000	5.79	2.03e4	1.08e3	991	0.9997
8	8 150508G1_8	2000	5.80	4.81e4	9.88e2	2000	0.9997

**Compound name: PFTrDA**

Coefficient of Determination:  $R^2 = 0.995540$

Calibration curve:  $0.00680653 * x^2 + -0.189616 * x$

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.85	3.36e2	2.14e4	31.5	0.9955
2	2 150508G1_2	1.00	5.84	2.87e2	1.93e4	31.3	0.9955
3	3 150508G1_3	2.00	5.84	7.22e2	2.40e4	34.3	0.9955
4	4 150508G1_4	5.00	5.84	1.44e3	2.41e4	39.1	0.9955
5	5 150508G1_5	10.0	5.84	5.06e3	2.13e4	58.0	0.9955
6	6 150508G1_6	50.0	5.84	4.85e3	2.93e4	51.5	0.9955
7	7 150508G1_7	100	5.84	2.20e4	2.42e4	96.9	0.9955
8	8 150508G1_8	200	5.84	1.62e5	3.45e4	200	0.9955

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
 Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

**Compound name: N-EtFOSE**

Coefficient of Determination:  $R^2 = 0.999864$

Calibration curve:  $-5.91536e-005 * x^2 + 1.10198 * x$

Response type: Internal Std ( Ref 40 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	5.00	5.92	2.34e2	2.28e3	4.65	0.9999
2	2 150508G1_2	10.0	5.91	2.62e2	1.09e3	10.9	0.9999
3	3 150508G1_3	20.0	5.91	8.03e2	2.08e3	17.5	0.9999
4	4 150508G1_4	50.0	5.91	1.62e3	1.64e3	45.1	0.9999
5	5 150508G1_5	100	5.91	7.13e3	2.81e3	116	0.9999
6	6 150508G1_6	500	5.91	2.10e3	1.93e2	508	0.9999
7	7 150508G1_7	1000	5.91	2.47e4	1.20e3	991	0.9999
8	8 150508G1_8	2000	5.91	5.93e4	1.51e3	2000	0.9999

**Compound name: N-EtFOSA**

Coefficient of Determination:  $R^2 = 0.999060$

Calibration curve:  $-3.43571e-005 * x^2 + 1.0684 * x$

Response type: Internal Std ( Ref 41 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	5.00	5.92	3.07e2	3.01e3	4.77	0.9991
2	2 150508G1_2	10.0	5.91	2.42e2	1.17e3	9.70	0.9991
3	3 150508G1_3	20.0	5.91	1.09e3	2.63e3	19.4	0.9991
4	4 150508G1_4	50.0	5.91	1.94e3	1.75e3	52.0	0.9991
5	5 150508G1_5	100	5.90	8.48e3	3.78e3	105	0.9991
6	6 150508G1_6	500	5.90	9.84e3	1.03e3	455	0.9991
7	7 150508G1_7	1000	5.90	3.58e4	1.68e3	1030	0.9991
8	8 150508G1_8	2000	5.90	2.90e5	7.26e3	1990	0.9991

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
 Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

**Compound name: PFTeDA**

Coefficient of Determination:  $R^2 = 0.999613$

Calibration curve:  $0.000418872 * x^2 + 0.88467 * x$

Response type: Internal Std ( Ref 42 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	5.99	9.65e2	4.87e4	1.12	0.9996
2	2 150508G1_2	1.00	5.98	8.92e2	3.01e4	1.68	0.9996
3	3 150508G1_3	2.00	5.98	1.44e3	3.13e4	2.60	0.9996
4	4 150508G1_4	5.00	5.98	2.83e3	2.62e4	6.08	0.9996
5	5 150508G1_5	10.0	5.97	7.99e3	3.56e4	12.6	0.9996
6	6 150508G1_6	50.0	5.97	3.97e3	4.60e3	47.7	0.9996
7	7 150508G1_7	100	5.97	3.70e4	1.98e4	101	0.9996
8	8 150508G1_8	200	5.97	1.11e5	2.85e4	200	0.9996

**Compound name: PFHxDA**

Coefficient of Determination:  $R^2 = 0.999107$

Calibration curve:  $-0.000284561 * x^2 + 0.926696 * x$

Response type: Internal Std ( Ref 43 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	6.22	4.19e3	8.05e4	2.81	0.9991
2	2 150508G1_2	1.00	6.21	3.05e3	5.48e4	3.01	0.9991
3	3 150508G1_3	2.00	6.21	4.29e3	5.83e4	3.97	0.9991
4	4 150508G1_4	5.00	6.21	6.47e3	5.08e4	6.89	0.9991
5	5 150508G1_5	10.0	6.21	1.38e4	5.65e4	13.2	0.9991
6	6 150508G1_6	50.0	6.21	3.02e4	3.33e4	49.8	0.9991
7	7 150508G1_7	100	6.20	8.31e4	4.66e4	99.2	0.9991
8	8 150508G1_8	200	6.20	6.27e4	1.80e4	200	0.9991

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:24:57 Pacific Daylight Time

**Compound name: PFODA**

Coefficient of Determination:  $R^2 = 0.979018$

Calibration curve:  $0.00392936 * x^2 + 1.36541 * x$

Response type: Internal Std ( Ref 43 ), Area \* ( IS Conc. / IS Area )

Curve type: 2nd Order, Origin: Force, Weighting: Null, Axis trans: None

	# Name	Std. Conc	RT	Resp	IS-Resp	Conc.	Coeff. Of D...
1	1 150508G1_1	0.500	6.46	1.30e3	8.05e4	0.591	0.9790
2	2 150508G1_2	1.00	6.44	1.40e3	5.48e4	0.930	0.9790
3	3 150508G1_3	2.00	6.44	2.96e3	5.83e4	1.85	0.9790
4	4 150508G1_4	5.00	6.44	6.46e3	5.08e4	4.59	0.9790
5	5 150508G1_5	10.0	6.44	1.75e4	5.65e4	11.0	0.9790
6	6 150508G1_6	50.0	6.44	8.25e4	3.33e4	74.8	0.9790
7	7 150508G1_7	100	6.44	1.32e5	4.66e4	83.4	0.9790
8	8 150508G1_8	200	6.44	1.57e5	1.80e4	202	0.9790

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Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

Method: Untitled 11 May 2015 13:08:22

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Compound name: 13C3-PFBA

Response Factor: 1.03917

RRF SD: 0.031068, Relative SD: 2.98971

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	2.30	3.90e4	3.93e4	47.8	0.993
2	2 150508G1_2	50.0	2.28	4.03e4	3.92e4	49.5	1.03
3	3 150508G1_3	50.0	2.28	4.28e4	4.16e4	49.5	1.03
4	4 150508G1_4	50.0	2.28	4.01e4	3.76e4	51.4	1.07
5	5 150508G1_5	50.0	2.28	4.07e4	3.79e4	51.7	1.07
6	6 150508G1_6	50.0	2.27	4.52e4	4.51e4	48.2	1.00
7	7 150508G1_7	50.0	2.27	3.60e4	3.37e4	51.3	1.07
8	8 150508G1_8	50.0	2.26	3.69e4	3.51e4	50.7	1.05

Compound name: 13C3-PFPeA

Response Factor: 0.975838

RRF SD: 0.0466711, Relative SD: 4.78267

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	3.32	4.03e4	4.02e4	51.5	1.00
2	2 150508G1_2	50.0	3.30	3.94e4	4.08e4	49.5	0.965
3	3 150508G1_3	50.0	3.29	4.21e4	4.24e4	50.8	0.992
4	4 150508G1_4	50.0	3.29	3.68e4	3.96e4	47.7	0.931
5	5 150508G1_5	50.0	3.29	3.70e4	3.90e4	48.5	0.947
6	6 150508G1_6	50.0	3.29	3.71e4	4.07e4	46.7	0.911
7	7 150508G1_7	50.0	3.29	3.10e4	3.11e4	51.2	0.998
8	8 150508G1_8	50.0	3.28	2.69e4	2.54e4	54.2	1.06

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C4-PFHpA**

Response Factor: 0.849971

RRF SD: 0.0785916, Relative SD: 9.24638

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.43	3.30e4	4.02e4	48.3	0.822
2	2 150508G1_2	50.0	4.42	3.91e4	4.08e4	56.3	0.958
3	3 150508G1_3	50.0	4.41	3.95e4	4.24e4	54.7	0.930
4	4 150508G1_4	50.0	4.41	3.54e4	3.96e4	52.6	0.895
5	5 150508G1_5	50.0	4.41	3.49e4	3.90e4	52.6	0.894
6	6 150508G1_6	50.0	4.41	3.12e4	4.07e4	45.2	0.768
7	7 150508G1_7	50.0	4.41	2.36e4	3.11e4	44.7	0.760
8	8 150508G1_8	50.0	4.41	1.96e4	2.54e4	45.5	0.773

**Compound name: 18O2-PFHxS**

Response Factor: 0.42031

RRF SD: 0.0193569, Relative SD: 4.6054

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.46	1.71e4	4.02e4	50.7	0.426
2	2 150508G1_2	50.0	4.45	1.70e4	4.08e4	49.6	0.417
3	3 150508G1_3	50.0	4.44	1.75e4	4.24e4	48.9	0.411
4	4 150508G1_4	50.0	4.44	1.61e4	3.96e4	48.5	0.408
5	5 150508G1_5	50.0	4.44	1.63e4	3.90e4	49.6	0.417
6	6 150508G1_6	50.0	4.44	1.59e4	4.07e4	46.6	0.392
7	7 150508G1_7	50.0	4.44	1.42e4	3.11e4	54.2	0.456
8	8 150508G1_8	50.0	4.44	1.11e4	2.54e4	51.9	0.437

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C2-6:2 FTS**

Response Factor: 0.738727

RRF SD: 0.0408691, Relative SD: 5.53237

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.78	1.52e4	2.16e4	47.5	0.702
2	2 150508G1_2	50.0	4.77	1.05e4	1.39e4	50.9	0.753
3	3 150508G1_3	50.0	4.77	1.14e4	1.57e4	49.0	0.725
4	4 150508G1_4	50.0	4.77	1.10e4	1.40e4	53.5	0.791
5	5 150508G1_5	50.0	4.76	1.08e4	1.34e4	54.4	0.804
6	6 150508G1_6	50.0	4.76	1.10e4	1.55e4	48.1	0.711
7	7 150508G1_7	50.0	4.76	8.92e3	1.29e4	46.9	0.693
8	8 150508G1_8	50.0	4.76	8.62e3	1.18e4	49.5	0.731

**Compound name: 13C2-PFOA**

Response Factor: 1.15963

RRF SD: 0.058011, Relative SD: 5.00254

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.79	4.02e4	3.45e4	50.2	1.16
2	2 150508G1_2	50.0	4.77	4.49e4	3.62e4	53.4	1.24
3	3 150508G1_3	50.0	4.77	4.42e4	3.71e4	51.4	1.19
4	4 150508G1_4	50.0	4.77	3.93e4	3.33e4	51.0	1.18
5	5 150508G1_5	50.0	4.77	3.94e4	3.28e4	51.8	1.20
6	6 150508G1_6	50.0	4.77	3.64e4	3.45e4	45.4	1.05
7	7 150508G1_7	50.0	4.77	2.81e4	2.50e4	48.4	1.12
8	8 150508G1_8	50.0	4.77	2.39e4	2.13e4	48.4	1.12



Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C8-PFOS**

Response Factor: 0.939383

RRF SD: 0.0454519, Relative SD: 4.83849

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.07	1.18e4	1.21e4	51.9	0.975
2	2 150508G1_2	50.0	5.05	1.13e4	1.20e4	49.8	0.935
3	3 150508G1_3	50.0	5.05	1.23e4	1.32e4	49.6	0.931
4	4 150508G1_4	50.0	5.05	1.15e4	1.21e4	50.7	0.953
5	5 150508G1_5	50.0	5.05	1.21e4	1.20e4	53.4	1.00
6	6 150508G1_6	50.0	5.05	1.48e4	1.74e4	45.1	0.847
7	7 150508G1_7	50.0	5.05	1.15e4	1.22e4	50.4	0.947
8	8 150508G1_8	50.0	5.05	1.10e4	1.20e4	49.1	0.923

**Compound name: 13C5-PFNA**

Response Factor: 0.914519

RRF SD: 0.0398454, Relative SD: 4.35698

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.07	2.82e4	2.96e4	52.1	0.953
2	2 150508G1_2	50.0	5.06	2.92e4	3.04e4	52.5	0.960
3	3 150508G1_3	50.0	5.06	2.99e4	3.29e4	49.7	0.910
4	4 150508G1_4	50.0	5.06	2.79e4	2.96e4	51.5	0.941
5	5 150508G1_5	50.0	5.06	2.90e4	3.14e4	50.4	0.922
6	6 150508G1_6	50.0	5.06	3.15e4	3.76e4	45.8	0.838
7	7 150508G1_7	50.0	5.06	2.58e4	2.84e4	49.6	0.907
8	8 150508G1_8	50.0	5.06	2.35e4	2.66e4	48.4	0.885

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C2-PFDA**

Response Factor: 1.14857

RRF SD: 0.110012, Relative SD: 9.57822

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.32	3.28e4	2.96e4	48.3	1.11
2	2 150508G1_2	50.0	5.31	3.18e4	3.04e4	45.6	1.05
3	3 150508G1_3	50.0	5.31	3.60e4	3.29e4	47.6	1.09
4	4 150508G1_4	50.0	5.30	3.50e4	2.96e4	51.4	1.18
5	5 150508G1_5	50.0	5.30	3.40e4	3.14e4	47.1	1.08
6	6 150508G1_6	50.0	5.30	4.37e4	3.76e4	50.7	1.16
7	7 150508G1_7	50.0	5.30	3.16e4	2.84e4	48.4	1.11
8	8 150508G1_8	50.0	5.30	3.72e4	2.66e4	60.9	1.40

**Compound name: 13C2-8:2 FTS**

Response Factor: 0.917614

RRF SD: 0.170212, Relative SD: 18.5494

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.33	1.47e4	2.16e4	37.1	0.681
2	2 150508G1_2	50.0	5.32	1.06e4	1.39e4	41.6	0.764
3	3 150508G1_3	50.0	5.32	1.33e4	1.57e4	46.2	0.847
4	4 150508G1_4	50.0	5.32	1.23e4	1.40e4	47.8	0.878
5	5 150508G1_5	50.0	5.32	1.23e4	1.34e4	50.0	0.917
6	6 150508G1_6	50.0	5.32	1.64e4	1.55e4	57.6	1.06
7	7 150508G1_7	50.0	5.32	1.25e4	1.29e4	53.0	0.972
8	8 150508G1_8	50.0	5.32	1.44e4	1.18e4	66.7	1.22

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

Compound name: 13C8-FOSA  
 Response Factor: 0.728043  
 RRF SD: 0.131802, Relative SD: 18.1037  
 Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

*Excluded, not linear.  
 AC 5/11/15*

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.42	1.67e4	1.79e4	64.1	0.933
2	2 150508G1_2	50.0	5.41	1.09e4	1.64e4	45.6	0.664
3	3 150508G1_3	50.0	5.40	1.29e4	2.10e4	42.0	0.612
4	4 150508G1_4	50.0	5.40	1.28e4	2.02e4	43.7	0.636
5	5 150508G1_5	50.0	5.40	1.13e4	1.88e4	41.2	0.600
6	6 150508G1_6	50.0	5.40	2.49e4	2.96e4	57.7	0.841
7	7 150508G1_7	50.0	5.40	1.65e4	2.03e4	55.7	0.811
8	8 150508G1_8	50.0	5.40	4.48e4	2.96e4	104	1.51

Compound name: 13C2-PFUdA  
 Response Factor: 1.14796  
 RRF SD: 0.0682511, Relative SD: 5.94544  
 Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.52	2.14e4	1.79e4	52.1	1.20
2	2 150508G1_2	50.0	5.51	1.93e4	1.64e4	51.1	1.17
3	3 150508G1_3	50.0	5.50	2.40e4	2.10e4	49.8	1.14
4	4 150508G1_4	50.0	5.50	2.41e4	2.02e4	52.0	1.19
5	5 150508G1_5	50.0	5.50	2.13e4	1.88e4	49.4	1.13
6	6 150508G1_6	50.0	5.50	2.93e4	2.96e4	43.1	0.989
7	7 150508G1_7	50.0	5.50	2.42e4	2.03e4	51.8	1.19
8	8 150508G1_8	50.0	5.50	3.45e4	2.96e4	50.8	1.17

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

Compound name: 13C2-PFDoA  
Response Factor: 0.827404  
RRF SD: 0.2789, Relative SD: 33.7078  
Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

Ⓐ RSD outside  
method limits.  
AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.70	1.68e4	1.79e4	56.8	0.941
2	2 150508G1_2	50.0	5.68	1.14e4	1.64e4	41.8	0.691
3	3 150508G1_3	50.0	5.68	1.59e4	2.10e4	45.6	0.755
4	4 150508G1_4	50.0	5.68	1.37e4	2.02e4	40.9	0.677
5	5 150508G1_5	50.0	5.68	1.37e4	1.88e4	44.0	0.728
6	6 150508G1_6	50.0	5.68	1.61e4	2.96e4	32.9	0.544
7	7 150508G1_7	50.0	5.68	1.68e4	2.03e4	50.0	0.827
8	8 150508G1_8	50.0	5.67	4.31e4	2.96e4	88.0	1.46

Compound name: d7-N-MeFOSE  
Response Factor: 0.597018  
RRF SD: 0.309698, Relative SD: 51.8742 Ⓐ  
Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.80	2.17e3	3.12e3	58.2	0.695
2	2 150508G1_2	50.0	5.79	1.07e3	1.09e3	82.6	0.986
3	3 150508G1_3	50.0	5.79	1.71e3	2.74e3	52.5	0.626
4	4 150508G1_4	50.0	5.79	1.52e3	1.96e3	65.0	0.776
5	5 150508G1_5	50.0	5.79	2.57e3	3.32e3	64.8	0.774
6	6 150508G1_6	50.0	5.79	1.70e2	1.30e3	10.9	0.130
7	7 150508G1_7	50.0	5.79	1.08e3	1.63e3	55.6	0.664
8	8 150508G1_8	50.0	5.79	9.88e2	7.95e3	10.4	0.124

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: d9-N-EtFOSE**

Response Factor: 0.656249

RRF SD: 0.313488, Relative SD: 47.7697 A

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

A RSD outside method limits. AC 5/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.91	2.28e3	3.12e3	55.7	0.732
2	2 150508G1_2	50.0	5.90	1.09e3	1.09e3	76.4	1.00
3	3 150508G1_3	50.0	5.90	2.08e3	2.74e3	57.9	0.760
4	4 150508G1_4	50.0	5.90	1.64e3	1.96e3	63.8	0.838
5	5 150508G1_5	50.0	5.90	2.81e3	3.32e3	64.5	0.847
6	6 150508G1_6	50.0	5.90	1.93e2	1.30e3	11.3	0.148
7	7 150508G1_7	50.0	5.90	1.20e3	1.63e3	55.9	0.734
8	8 150508G1_8	50.0	5.90	1.51e3	7.95e3	14.4	0.190

**Compound name: d5-N-EtFOSA**

Response Factor: 0.970495

RRF SD: 0.110608, Relative SD: 11.3971

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.91	3.01e3	3.12e3	49.8	0.966
2	2 150508G1_2	50.0	5.90	1.17e3	1.09e3	55.4	1.07
3	3 150508G1_3	50.0	5.90	2.63e3	2.74e3	49.5	0.961
4	4 150508G1_4	50.0	5.90	1.75e3	1.96e3	46.0	0.893
5	5 150508G1_5	50.0	5.90	3.78e3	3.32e3	58.7	1.14
6	6 150508G1_6	50.0	5.90	1.03e3	1.30e3	40.6	0.787
7	7 150508G1_7	50.0	5.90	1.68e3	1.63e3	53.0	1.03
8	8 150508G1_8	50.0	5.90	7.26e3	7.95e3	47.1	0.914

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C2-PFTeDA**

Response Factor: 1.41518

RRF SD: 0.766009, Relative SD: 54.128 X

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

A RSD outside method  
limits. ACS/11/15

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.99	4.87e4	1.79e4	96.1	2.72
2	2 150508G1_2	50.0	5.98	3.01e4	1.64e4	64.6	1.83
3	3 150508G1_3	50.0	5.98	3.13e4	2.10e4	52.6	1.49
4	4 150508G1_4	50.0	5.97	2.62e4	2.02e4	45.9	1.30
5	5 150508G1_5	50.0	5.97	3.56e4	1.88e4	66.9	1.89
6	6 150508G1_6	50.0	5.97	4.60e3	2.96e4	5.48	0.155
7	7 150508G1_7	50.0	5.97	1.98e4	2.03e4	34.4	0.973
8	8 150508G1_8	50.0	5.97	2.85e4	2.96e4	34.1	0.964

**Compound name: 13C2-PFHxDA**

Response Factor: 2.51962

RRF SD: 1.2268, Relative SD: 48.6901 X

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	6.22	8.05e4	1.79e4	89.3	4.50
2	2 150508G1_2	50.0	6.21	5.48e4	1.64e4	66.2	3.33
3	3 150508G1_3	50.0	6.21	5.83e4	2.10e4	55.1	2.78
4	4 150508G1_4	50.0	6.21	5.08e4	2.02e4	50.0	2.52
5	5 150508G1_5	50.0	6.20	5.65e4	1.88e4	59.7	3.01
6	6 150508G1_6	50.0	6.20	3.33e4	2.96e4	22.3	1.12
7	7 150508G1_7	50.0	6.20	4.66e4	2.03e4	45.5	2.29
8	8 150508G1_8	50.0	6.20	1.80e4	2.96e4	12.1	0.608

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C4-PFBA**

Response Factor: 1

RRF SD: 9.3831e-017, Relative SD: 9.3831e-015

Response type: Internal Std ( Ref 44 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	2.30	3.93e4	3.93e4	50.0	1.00
2	2 150508G1_2	50.0	2.28	3.92e4	3.92e4	50.0	1.00
3	3 150508G1_3	50.0	2.28	4.16e4	4.16e4	50.0	1.00
4	4 150508G1_4	50.0	2.28	3.76e4	3.76e4	50.0	1.00
5	5 150508G1_5	50.0	2.28	3.79e4	3.79e4	50.0	1.00
6	6 150508G1_6	50.0	2.27	4.51e4	4.51e4	50.0	1.00
7	7 150508G1_7	50.0	2.27	3.37e4	3.37e4	50.0	1.00
8	8 150508G1_8	50.0	2.25	3.51e4	3.51e4	50.0	1.00

**Compound name: 13C2-4:2 FTS**

Response Factor: 1

RRF SD: 1.32697e-016, Relative SD: 1.32697e-014

Response type: Internal Std ( Ref 45 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	3.93	2.16e4	2.16e4	50.0	1.00
2	2 150508G1_2	50.0	3.92	1.39e4	1.39e4	50.0	1.00
3	3 150508G1_3	50.0	3.91	1.57e4	1.57e4	50.0	1.00
4	4 150508G1_4	50.0	3.91	1.40e4	1.40e4	50.0	1.00
5	5 150508G1_5	50.0	3.91	1.34e4	1.34e4	50.0	1.00
6	6 150508G1_6	50.0	3.91	1.55e4	1.55e4	50.0	1.00
7	7 150508G1_7	50.0	3.91	1.29e4	1.29e4	50.0	1.00
8	8 150508G1_8	50.0	3.91	1.18e4	1.18e4	50.0	1.00

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C-PFHxA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 46 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	3.97	4.02e4	4.02e4	50.0	1.00
2	2 150508G1_2	50.0	3.95	4.08e4	4.08e4	50.0	1.00
3	3 150508G1_3	50.0	3.95	4.24e4	4.24e4	50.0	1.00
4	4 150508G1_4	50.0	3.95	3.96e4	3.96e4	50.0	1.00
5	5 150508G1_5	50.0	3.94	3.90e4	3.90e4	50.0	1.00
6	6 150508G1_6	50.0	3.95	4.07e4	4.07e4	50.0	1.00
7	7 150508G1_7	50.0	3.95	3.11e4	3.11e4	50.0	1.00
8	8 150508G1_8	50.0	3.94	2.54e4	2.54e4	50.0	1.00

**Compound name: 13C8-PFOA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 47 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	4.79	3.45e4	3.45e4	50.0	1.00
2	2 150508G1_2	50.0	4.77	3.62e4	3.62e4	50.0	1.00
3	3 150508G1_3	50.0	4.77	3.71e4	3.71e4	50.0	1.00
4	4 150508G1_4	50.0	4.77	3.33e4	3.33e4	50.0	1.00
5	5 150508G1_5	50.0	4.77	3.28e4	3.28e4	50.0	1.00
6	6 150508G1_6	50.0	4.77	3.45e4	3.45e4	50.0	1.00
7	7 150508G1_7	50.0	4.77	2.50e4	2.50e4	50.0	1.00
8	8 150508G1_8	50.0	4.77	2.13e4	2.13e4	50.0	1.00



Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C4-PFOS**

Response Factor: 1

RRF SD: 4.19625e-017, Relative SD: 4.19625e-015

Response type: Internal Std ( Ref 48 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.07	1.21e4	1.21e4	50.0	1.00
2	2 150508G1_2	50.0	5.06	1.20e4	1.20e4	50.0	1.00
3	3 150508G1_3	50.0	5.05	1.32e4	1.32e4	50.0	1.00
4	4 150508G1_4	50.0	5.05	1.21e4	1.21e4	50.0	1.00
5	5 150508G1_5	50.0	5.05	1.20e4	1.20e4	50.0	1.00
6	6 150508G1_6	50.0	5.05	1.74e4	1.74e4	50.0	1.00
7	7 150508G1_7	50.0	5.05	1.22e4	1.22e4	50.0	1.00
8	8 150508G1_8	50.0	5.05	1.20e4	1.20e4	50.0	1.00

**Compound name: 13C2-FOUEA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 49 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.17	2.45e4	2.45e4	50.0	1.00
2	2 150508G1_2	50.0	5.16	3.18e4	3.18e4	50.0	1.00
3	3 150508G1_3	50.0	5.16	3.27e4	3.27e4	50.0	1.00
4	4 150508G1_4	50.0	5.15	2.99e4	2.99e4	50.0	1.00
5	5 150508G1_5	50.0	5.15	3.14e4	3.14e4	50.0	1.00
6	6 150508G1_6	50.0	5.15	4.56e4	4.56e4	50.0	1.00
7	7 150508G1_7	50.0	5.15	3.66e4	3.66e4	50.0	1.00
8	8 150508G1_8	50.0	5.15	4.23e4	4.23e4	50.0	1.00

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time  
Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: 13C9-PFNA**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 50 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.07	2.96e4	2.96e4	50.0	1.00
2	2 150508G1_2	50.0	5.06	3.04e4	3.04e4	50.0	1.00
3	3 150508G1_3	50.0	5.06	3.29e4	3.29e4	50.0	1.00
4	4 150508G1_4	50.0	5.06	2.96e4	2.96e4	50.0	1.00
5	5 150508G1_5	50.0	5.05	3.14e4	3.14e4	50.0	1.00
6	6 150508G1_6	50.0	5.05	3.76e4	3.76e4	50.0	1.00
7	7 150508G1_7	50.0	5.05	2.84e4	2.84e4	50.0	1.00
8	8 150508G1_8	50.0	5.05	2.66e4	2.66e4	50.0	1.00

**Compound name: 13C7-PFUdA**

Response Factor: 1

RRF SD: 4.19625e-017, Relative SD: 4.19625e-015

Response type: Internal Std ( Ref 51 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	# Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.52	1.79e4	1.79e4	50.0	1.00
2	2 150508G1_2	50.0	5.51	1.64e4	1.64e4	50.0	1.00
3	3 150508G1_3	50.0	5.50	2.10e4	2.10e4	50.0	1.00
4	4 150508G1_4	50.0	5.50	2.02e4	2.02e4	50.0	1.00
5	5 150508G1_5	50.0	5.50	1.88e4	1.88e4	50.0	1.00
6	6 150508G1_6	50.0	5.50	2.96e4	2.96e4	50.0	1.00
7	7 150508G1_7	50.0	5.50	2.03e4	2.03e4	50.0	1.00
8	8 150508G1_8	50.0	5.50	2.96e4	2.96e4	50.0	1.00

Vista Analytical Laboratory Q1

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_CRV.qld

Last Altered: Monday, May 11, 2015 14:05:34 Pacific Daylight Time

Printed: Monday, May 11, 2015 14:26:30 Pacific Daylight Time

**Compound name: d-N-MeFOSA**

Response Factor: 1

RRF SD: 1.18688e-016, Relative SD: 1.18688e-014

Response type: Internal Std ( Ref 52 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

#	Name	Std. Conc	RT	Resp	IS Resp	Conc.	RRF
1	1 150508G1_1	50.0	5.79	3.12e3	3.12e3	50.0	1.00
2	2 150508G1_2	50.0	5.78	1.09e3	1.09e3	50.0	1.00
3	3 150508G1_3	50.0	5.78	2.74e3	2.74e3	50.0	1.00
4	4 150508G1_4	50.0	5.78	1.96e3	1.96e3	50.0	1.00
5	5 150508G1_5	50.0	5.78	3.32e3	3.32e3	50.0	1.00
6	6 150508G1_6	50.0	5.78	1.30e3	1.30e3	50.0	1.00
7	7 150508G1_7	50.0	5.78	1.63e3	1.63e3	50.0	1.00
8	8 150508G1_8	50.0	5.78	7.95e3	7.95e3	50.0	1.00



Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_33.qld

Last Altered: Tuesday, May 12, 2015 15:29:49 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 15:30:14 Pacific Daylight Time

Name: 150508G1\_33, Date: 08-May-2015, Time: 22:31:45, ID: ST150508G1-10 PFC CS4 15E0807, Description: PFC CS4 15E0807

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	13C8-PFOS	507.1 > 98.6	7.08e3	7.83e3	0.939	1.000	5.05	48.1	96.2
33	13C5-PFNA	468.2 > 422.9	1.73e4	2.08e4	0.915	1.000	5.05	45.4	90.8
34	13C2-PFDA	515.1 > 469.9	2.10e4	2.08e4	1.149	1.000	5.30	44.0	88.0
35	13C2-8:2 FTS	529.1 > 508.7	6.68e3	8.34e3	0.918	1.000	5.32	43.6	87.3
36	13C8-FOSA	506.1 > 77.7	6.28e3	8.92e3	0.728	1.000	5.40	48.4	96.8
37	13C2-PFUdA	565 > 519.8	9.99e3	8.92e3	1.148	1.000	5.50	48.8	97.6
38	13C2-PFDoA	615 > 569.7	3.24e3	8.92e3	0.827	1.000	5.67	22.0	44.0
39	d7-N-MeFOSE	623.1 > 58.9	8.67e0	1.32e2	0.597	1.000	5.78	5.50	11.0
40	d9-N-EtFOSE	639.2 > 58.8	2.15e1	1.32e2	0.656	1.000	5.89	12.5	24.9
41	d5-N-EtFOSE	531.1 > 168.9	1.46e2	1.32e2	0.970	1.000	5.90	57.2	114.4
42	13C2-PFTeDA	715 > 669.7	1.06e3	8.92e3	1.415	1.000	5.97	4.22	8.4
43	13C2-PFHxDA	815.0 > 769.7	1.21e4	8.92e3	2.520	1.000	6.20	27.0	53.9
44	13C4-PFBA	217 > 171.8	2.50e4	2.50e4	1.000	1.000	2.28	50.0	100.0
45	13C2-4:2 FTS	329.2 > 308.9	8.34e3	8.34e3	1.000	1.000	3.91	50.0	100.0
46	13C-PFHxA	315 > 269.8	2.47e4	2.47e4	1.000	1.000	3.94	50.0	100.0
47	13C8-PFOA	421.3 > 376	2.05e4	2.05e4	1.000	1.000	4.77	50.0	100.0
48	13C4-PFOS	503.2 > 98.6	7.83e3	7.83e3	1.000	1.000	5.05	50.0	100.0
49	13C2-FOUEA	459.1 > 393.9	2.15e4	2.15e4	1.000	1.000	5.15	50.0	100.0
50	13C9-PFNA	472.2 > 426.9	2.08e4	2.08e4	1.000	1.000	5.05	50.0	100.0
51	13C7-PFUdA	570.1 > 524.8	8.92e3	8.92e3	1.000	1.000	5.50	50.0	100.0
52	d-N-MeFOSA	515.2 > 168.9	1.32e2	1.32e2	1.000	1.000	5.78	50.0	100.0

Ⓐ outside method limits, OK per MM.

60-150  
50-150  
60-150  
40-150  
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5-150  
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ⓧ  
NO  
SIGNAL

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_48.qld

Last Altered: Tuesday, May 12, 2015 15:38:02 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 15:38:52 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	1 PFBA	213.1 > 168.8	6.28e3	3.02e4	1.000	2.28	2.28	38.1	76.2
2	2 PFPeA	263.1 > 218.9	1.76e4	2.14e4	1.000	3.29	3.29	47.9	95.9
3	3 PFBS	299 > 79.7	1.49e4	9.73e3	1.000	3.45	3.45	49.8	99.7
4	4 PFHxA	313.2 > 268.9	1.97e4	2.15e4	1.000	3.95	3.95	37.4	74.7
5	5 PFHpA	363 > 318.9	2.62e4	2.15e4	1.000	4.41	4.41	47.6	95.1
6	6 PFHxS	398.9 > 79.6	1.26e4	9.73e3	1.000	4.44	4.44	48.1	96.1
7	7 6:2 FTS	427.1 > 407	2.97e3	6.60e3	1.000	4.76	4.76	47.5	95.0
8	8 PFOA	413 > 368.7	2.24e4	2.48e4	1.000	4.77	4.77	47.6	95.3
9	9 PFHpS	449 > 98.7	5.24e3	9.73e3	1.000	4.78	4.78	43.7	87.4
10	10 PFOS	499 > 98.7	6.87e3	6.87e3	1.000	5.05	5.05	47.2	94.4
11	11 PFNA	463 > 418.8	1.73e4	1.70e4	1.000	5.06	5.06	54.7	109.5
12	12 PFDA	513 > 468.8	2.05e4	1.87e4	1.000	5.30	5.30	48.0	96.0
13	13 8:2 FTS	527 > 506.9	5.59e3	6.22e3	1.000	5.32	5.32	47.7	95.5
14	14 FOSA	498.1 > 77.8	2.29e3	4.61e3	1.000	5.40	5.40	43.4	86.8
15	15 PFDS	598.8 > 98.7	6.12e2	1.87e4	1.000	5.49	5.49	17.3	34.7
16	16 PFuDA	563 > 518.9	7.55e3	8.08e3	1.000	5.50	5.50	45.5	91.1
17	17 PFDoA	612.9 > 568.8	1.87e3	2.34e3	1.000	5.68	5.68	44.9	89.7
18	18 N-MeFOSA	512.1 > 168.9	5.89e2	1.05e1	1.000	5.78	5.78	1040	207.5
19	19 N-MeFOSE	616.1 > 58.9	1.35e2	1.05e1	1.000	5.79	5.79	731	146.2
20	20 PFTrDA	662.9 > 618.9	6.61e2	8.08e3	1.000	5.84	5.84	42.1	84.3
21	21 N-EtFOSE	630.1 > 58.9	2.05e2	3.09e1	1.000	5.90	5.90	305	61.0
22	22 N-EtFOSA	526.1 > 168.9	6.93e2	5.37e1	1.000	5.90	5.90	617	123.4
23	23 PFTeDA	712.9 > 668.8	6.65e2	7.77e2	1.000	5.97	5.97	47.3	94.6
24	24 PFHxDA	813.1 > 768.6	8.86e3	9.06e3	1.000	6.20	6.20	53.7	107.4
25	25 PFOA	913.1 > 868.8	3.43e4	9.06e3	1.000	6.44	6.44	106	212.6
26	26 13C3-PFBA	216.1 > 171.8	3.02e4	2.48e4	1.039	1.000	2.28	58.7	117.4
27	27 13C3-PFPeA	266 > 221.8	2.14e4	2.44e4	0.976	1.000	3.29	44.9	89.8
28	28 13C4-PFHxA	367.2 > 321.8	2.15e4	2.44e4	0.850	1.000	4.41	52.0	104.0
29	29 18O2-PFHxS	403 > 102.6	9.73e3	2.44e4	0.420	1.000	4.44	47.5	95.1
30	30 13C2-6:2 FTS	429.1 > 408.9	6.60e3	7.42e3	0.739	1.000	4.76	60.2	120.5
31	31 13C2-PFOA	414.9 > 369.7	2.48e4	2.06e4	1.160	1.000	4.77	51.9	103.8

① outside method limits. OK per MM  
AC 5/14/15  
1/2 5/14/15  
70-130  
60-150  
40-150  
60-150

Dataset: C:\Projects\Method\_1694.PRO\Results\150508G1\150508G1\_48.qld

Last Altered: Tuesday, May 12, 2015 15:38:02 Pacific Daylight Time  
Printed: Tuesday, May 12, 2015 15:38:52 Pacific Daylight Time

Name: 150508G1\_48, Date: 09-May-2015, Time: 07:40:25, ID: ST150508G1-11 PFC CS4 15E0807, Description: PFC CS4 15E0807

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	13C8-PFOS	507.1 > 98.6	6.87e3	7.63e3	0.939	1.000	5.05	47.9	95.9
33	13C5-PFNA	468.2 > 422.9	1.70e4	2.00e4	0.915	1.000	5.05	46.5	92.9
34	13C2-PFDA	515.1 > 469.9	1.87e4	2.00e4	1.149	1.000	5.30	40.8	81.5
35	13C2-8:2 FTS	529.1 > 508.7	6.22e3	7.42e3	0.918	1.000	5.32	45.7	91.4
36	13C8-FOSA	506.1 > 77.7	4.61e3	6.73e3	0.728	1.000	5.40	47.0	94.1
37	13C2-PFUdA	565 > 519.8	8.08e3	6.73e3	1.148	1.000	5.50	52.3	104.5
38	13C2-PFDoA	615 > 569.7	2.34e3	6.73e3	0.827	1.000	5.68	21.0	42.0
39	d7-N-MeFOSE	623.1 > 58.9	1.05e1	5.99e1	0.597	1.000	5.79	14.7	29.4
40	d9-N-EtFOSE	639.2 > 58.8	3.09e1	5.99e1	0.656	1.000	5.90	39.4	78.8
41	d5-N-EtFOSA	531.1 > 168.9	5.37e1	5.99e1	0.970	1.000	5.90	46.2	92.4
42	13C2-PFTeDA	715 > 669.7	7.77e2	6.73e3	1.415	1.000	5.97	4.08	8.2
43	13C2-PFHxDA	815.0 > 769.7	9.06e3	6.73e3	2.520	1.000	6.20	26.7	53.4
44	13C4-PFBA	217 > 171.8	2.48e4	2.48e4	1.000	1.000	2.28	50.0	100.0
45	13C2-4:2 FTS	329.2 > 308.9	7.42e3	7.42e3	1.000	1.000	3.91	50.0	100.0
46	13C-PFHxA	315 > 269.8	2.44e4	2.44e4	1.000	1.000	3.95	50.0	100.0
47	13C8-PFOA	421.3 > 376	2.06e4	2.06e4	1.000	1.000	4.77	50.0	100.0
48	13C4-PFOS	503.2 > 98.6	7.63e3	7.63e3	1.000	1.000	5.05	50.0	100.0
49	13C2-FOUEA	459.1 > 393.9	2.17e4	2.17e4	1.000	1.000	5.15	50.0	100.0
50	13C9-PFNA	472.2 > 426.9	2.00e4	2.00e4	1.000	1.000	5.05	50.0	100.0
51	13C7-PFUdA	570.1 > 524.8	6.73e3	6.73e3	1.000	1.000	5.50	50.0	100.0
52	d-N-MeFOSA	515.2 > 168.9	5.99e1	5.99e1	1.000	1.000	5.78	50.0	100.0

ⓐ outside method limits. OK per MM.

AC 5/12/15

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ⓐ 8.2  
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30-150  
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Dataset: C:\Projects\Method\_1694.PRO\Results\150512G1\150512G1\_1.qld

Last Altered: Wednesday, May 13, 2015 10:40:58 Pacific Daylight Time

Printed: Wednesday, May 13, 2015 10:42:46 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14

Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	1 PFBA	213.1 > 168.8	1.16e4	3.84e4	1.000		2.30	55.1	110.2
2	2 PFPeA	263.1 > 218.9	3.03e4	3.42e4	1.000		3.32	51.5	102.9
3	3 PFBS	299 > 79.7	2.77e4	1.56e4	1.000		3.48	57.3	114.7
4	4 PFHxA	313.2 > 268.9	3.28e4	2.49e4	1.000		3.98	53.7	107.4
5	5 PFHpA	363 > 318.9	3.43e4	2.49e4	1.000		4.44	53.8	107.7
6	6 PFHxS	398.9 > 79.6	2.24e4	1.56e4	1.000		4.47	53.1	106.1
7	7 6:2 FTS	427.1 > 407	4.89e3	1.10e4	1.000		4.79	46.6	93.3
8	8 PFOA	413 > 368.7	3.14e4	3.12e4	1.000		4.79	53.3	106.5
9	9 PFHpS	449 > 98.7	1.05e4	1.56e4	1.000		4.79	54.1	108.2
10	10 PFOS	499 > 98.7	1.48e4	1.31e4	1.000		5.07	53.1	106.2
11	11 PFNA	463 > 418.8	2.70e4	2.74e4	1.000		5.08	53.1	106.2
12	12 PFDA	513 > 468.8	4.58e4	4.09e4	1.000		5.32	49.1	98.2
13	13 8:2 FTS	527 > 506.9	1.74e4	1.78e4	1.000		5.33	52.1	104.2
14	14 FOSA	498.1 > 77.8	1.59e4	2.62e4	1.000		5.42	52.8	105.7
15	15 PFDS	598.8 > 98.7	5.65e3	4.09e4	1.000		5.50	56.5	112.9
16	16 PFUdA	563 > 518.9	3.18e4	2.91e4	1.000		5.52	53.3	106.6
17	17 PFDoA	612.9 > 568.8	2.01e4	2.09e4	1.000		5.70	53.6	107.1
18	18 N-MeFOSA	512.1 > 168.9	1.63e4	5.92e2	1.000		5.80	744	148.8
19	19 N-MeFOSE	616.1 > 58.9	5.82e3	5.92e2	1.000		5.81	586	117.3
20	20 PFTrDA	662.9 > 618.9	1.85e4	2.91e4	1.000		5.85	83.6	167.3
21	21 N-EtFOSE	630.1 > 58.9	7.84e3	6.69e2	1.000		5.92	548	109.6
22	22 N-EtFOSA	526.1 > 168.9	2.15e4	2.06e3	1.000		5.92	495	99.1
23	23 PFTeDA	712.9 > 668.8	3.57e4	3.85e4	1.000		5.99	51.2	102.3
24	24 PFHxDA	813.1 > 768.6	7.94e4	7.97e4	1.000		6.22	54.7	109.3
25	25 PFODA	913.1 > 868.8	1.13e5	7.97e4	1.000		6.46	45.8	91.5
26	26 13C3-PFBA	216.1 > 171.8	3.84e4	3.66e4	1.039	1.000	2.29	50.4	100.7
27	27 13C3-PFPeA	266 > 221.8	3.42e4	3.26e4	0.976	1.000	3.32	53.8	107.6
28	28 13C4-PFHpA	367.2 > 321.8	2.49e4	3.26e4	0.850	1.000	4.44	44.9	89.7
29	29 18O2-PFHxS	403 > 102.6	1.56e4	3.26e4	0.420	1.000	4.46	57.1	114.2
30	30 13C2-6:2 FTS	429.1 > 408.9	1.10e4	1.62e4	0.739	1.000	4.79	46.1	92.2
31	31 13C2-PFOA	414.9 > 369.7	3.12e4	2.73e4	1.160	1.000	4.79	49.3	98.6

70-130  
60-150  
40-150  
60-150

Ⓐ Recovery outside method limits.

AC  
5/13/15  
AK 5/14/15



Dataset: C:\Projects\Method\_1694.PRO\Results\150512G1\150512G1\_1.qld

Last Altered: Wednesday, May 13, 2015 10:40:58 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 10:42:46 Pacific Daylight Time

Name: 150512G1\_1, Date: 12-May-2015, Time: 09:11:03, ID: ST150512G1-1 PFC CS4 15E1201, Description: PFC CS4 15E1201

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	13C8-PFOS	507.1 > 98.6	1.31e4	1.45e4	0.939	1.000	5.07	48.1	96.2
33	13C5-PFNA	468.2 > 422.9	2.74e4	3.10e4	0.915	1.000	5.08	48.4	96.7
34	13C2-PFDA	515.1 > 469.9	4.09e4	3.10e4	1.149	1.000	5.32	57.5	115.0
35	13C2-8:2 FTS	529.1 > 508.7	1.78e4	1.62e4	0.918	1.000	5.33	59.9	119.9
36	13C8-FOSA	506.1 > 77.7	2.62e4	2.47e4	0.728	1.000	5.42	72.9	145.7
37	13C2-PFUdA	565 > 519.8	2.91e4	2.47e4	1.148	1.000	5.52	51.3	102.6
38	13C2-PFDoA	615 > 569.7	2.09e4	2.47e4	0.827	1.000	5.70	51.1	102.2
39	d7-N-MeFOSE	623.1 > 58.9	5.92e2	2.37e3	0.597	1.000	5.80	20.9	41.9
40	d9-N-EtFOSE	639.2 > 58.8	6.69e2	2.37e3	0.656	1.000	5.91	21.5	43.1
41	d5-N-EtFOSA	531.1 > 168.9	2.06e3	2.37e3	0.970	1.000	5.92	44.9	89.8
42	13C2-PFTeDA	715 > 669.7	3.85e4	2.47e4	1.415	1.000	5.99	55.0	110.0
43	13C2-PFHxDA	815.0 > 769.7	7.97e4	2.47e4	2.520	1.000	6.22	64.0	128.1
44	13C4-PFBA	217 > 171.8	3.66e4	3.66e4	1.000	1.000	2.29	50.0	100.0
45	13C2-4:2 FTS	329.2 > 308.9	1.62e4	1.62e4	1.000	1.000	3.93	50.0	100.0
46	13C-PFHxA	315 > 269.8	3.26e4	3.26e4	1.000	1.000	3.98	50.0	100.0
47	13C8-PFOA	421.3 > 376	2.73e4	2.73e4	1.000	1.000	4.79	50.0	100.0
48	13C4-PFOS	503.2 > 98.6	1.45e4	1.45e4	1.000	1.000	5.07	50.0	100.0
49	13C2-FOUEA	459.1 > 393.9	3.25e4	3.25e4	1.000	1.000	5.17	50.0	100.0
50	13C9-PFNA	472.2 > 426.9	3.10e4	3.10e4	1.000	1.000	5.08	50.0	100.0
51	13C7-PFUdA	570.1 > 524.8	2.47e4	2.47e4	1.000	1.000	5.52	50.0	100.0
52	d-N-MeFOSA	515.2 > 168.9	2.37e3	2.37e3	1.000	1.000	5.80	50.0	100.0

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Dataset: C:\Projects\Method\_1694.PRO\Results\150512G1\150512G1\_16.qld

Last Altered: Wednesday, May 13, 2015 12:44:38 Pacific Daylight Time  
Printed: Wednesday, May 13, 2015 12:45:26 Pacific Daylight Time

Method: C:\Projects\Method\_1694.PRO\MethDB\PFAS\_Longlist\_QUAD2.mdb 12 May 2015 09:14:14  
Calibration: C:\Projects\Method\_1694.PRO\CurveDB\C18\_VAL-PFC\_FULL\_Q1\_5-8-15.cdb 11 May 2015 14:05:34

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
1	1 PFBA	213.1 > 168.8	1.37e4	3.99e4	1.000	2.27	2.27	62.6	125.1
2	2 PFPeA	263.1 > 218.9	3.55e4	3.49e4	1.000	3.28	3.28	58.9	117.8
3	3 PFBS	299 > 79.7	2.83e4	1.59e4	1.000	3.44	3.44	57.4	114.8
4	4 PFHxA	313.2 > 268.9	3.85e4	3.24e4	1.000	3.94	3.94	48.5	96.9
5	5 PFHpA	363 > 318.9	4.11e4	3.24e4	1.000	4.41	4.41	49.6	99.2
6	6 PFHxS	398.9 > 79.6	2.21e4	1.59e4	1.000	4.44	4.44	51.6	103.1
7	7 6:2 FTS	427.1 > 407	4.98e3	9.91e3	1.000	4.76	4.76	53.3	106.5
8	8 PFOA	413 > 368.7	3.52e4	3.59e4	1.000	4.77	4.77	51.9	103.7
9	9 PFHpS	449 > 98.7	1.06e4	1.59e4	1.000	4.77	4.77	54.0	107.9
10	10 PFOS	499 > 98.7	1.56e4	1.45e4	1.000	5.05	5.05	50.6	101.2
11	11 PFNA	463 > 418.8	2.92e4	3.10e4	1.000	5.06	5.06	50.7	101.4
12	12 PFDA	513 > 468.8	5.01e4	4.20e4	1.000	5.30	5.30	52.3	104.6
13	13 8:2 FTS	527 > 506.9	1.53e4	1.52e4	1.000	5.31	5.31	53.6	107.2
14	14 FOSA	498.1 > 77.8	1.49e4	2.51e4	1.000	5.40	5.40	52.0	104.0
15	15 PFDS	598.8 > 98.7	4.53e3	4.20e4	1.000	5.49	5.49	46.7	93.3
16	16 PFUdA	563 > 518.9	2.88e4	2.75e4	1.000	5.50	5.50	51.1	102.2
17	17 PFDoA	612.9 > 568.8	1.25e4	1.34e4	1.000	5.68	5.68	52.1	104.1
18	18 N-MeFOSA	512.1 > 168.9	1.08e4	1.61e2	1.000	5.78	5.78	1130	226.0
19	19 N-MeFOSE	616.1 > 58.9	1.82e3	1.61e2	1.000	5.79	5.79	659	131.7
20	20 PFTrDA	662.9 > 618.9	4.91e3	2.75e4	1.000	5.84	5.84	52.7	105.5
21	21 N-EtFOSE	630.1 > 58.9	2.67e3	2.18e2	1.000	5.91	5.91	574	114.8
22	22 N-EtFOSA	526.1 > 168.9	1.25e4	1.27e3	1.000	5.91	5.91	466	93.3
23	23 PFTeDA	712.9 > 668.8	6.56e3	6.80e3	1.000	5.97	5.97	53.2	106.4
24	24 PFHxDA	813.1 > 768.6	4.15e4	4.36e4	1.000	6.20	6.20	52.1	104.3
25	25 PFODA	913.1 > 868.8	8.76e4	4.36e4	1.000	6.43	6.43	62.4	124.8
26	26 13C3-PFBA	216.1 > 171.8	3.99e4	4.34e4	1.039	1.000	2.26	44.3	88.7
27	27 13C3-PFPeA	266 > 221.8	3.49e4	3.59e4	0.976	1.000	3.28	49.8	99.7
28	28 13C4-PFHpA	367.2 > 321.8	3.24e4	3.59e4	0.850	1.000	4.41	53.0	106.0
29	29 18O2-PFHxS	403 > 102.6	1.59e4	3.59e4	0.420	1.000	4.44	52.8	105.5
30	30 13C2-6:2 FTS	429.1 > 408.9	9.91e3	1.36e4	0.739	1.000	4.76	49.3	98.6
31	31 13C2-PFOA	414.9 > 369.7	3.59e4	3.31e4	1.160	1.000	4.76	46.8	93.6

70-130  
 (A) Recovery outside method limits.  
 AC 5/14/15  
 W  
 5/14/15  
 60-150  
 40-150  
 60-150

Dataset: C:\Projects\Method\_1694.PRO\Results\150512G1\150512G1\_16.qld

Last Altered: Wednesday, May 13, 2015 12:44:38 Pacific Daylight Time

Printed: Wednesday, May 13, 2015 12:45:26 Pacific Daylight Time

Name: 150512G1\_16, Date: 12-May-2015, Time: 12:38:02, ID: ST150512G1-2 PFC CS4 15E1201, Description: PFC CS4 15E1201

#	Name	Trace	Response	IS Resp	RRF	Wt/Vol	RT	Conc.	%Rec
32	13C8-PFOS	507.1 > 98.6	1.45e4	1.58e4	0.939	1.000	5.05	48.7	97.4
33	13C5-PFNA	468.2 > 422.9	3.10e4	3.44e4	0.915	1.000	5.05	49.3	98.6
34	13C2-PFDA	515.1 > 469.9	4.20e4	3.44e4	1.149	1.000	5.30	53.2	106.4
35	13C2-8:2 FTS	529.1 > 508.7	1.52e4	1.36e4	0.918	1.000	5.31	60.8	121.7
36	13C8-FOSA	506.1 > 77.7	2.51e4	2.46e4	0.728	1.000	5.40	69.9	139.8
37	13C2-PFUdA	565 > 519.8	2.75e4	2.46e4	1.148	1.000	5.50	48.6	97.3
38	13C2-PFDoA	615 > 569.7	1.34e4	2.46e4	0.827	1.000	5.68	32.9	65.7
39	d7-N-MeFOSE	623.1 > 58.9	1.61e2	1.71e3	0.597	1.000	5.78	7.88	15.8
40	d9-N-EtFOSE	639.2 > 58.8	2.18e2	1.71e3	0.656	1.000	5.90	9.68	19.4
41	d5-N-EtFOSE	531.1 > 168.9	1.27e3	1.71e3	0.970	1.000	5.90	38.2	76.5
42	13C2-PFTeDA	715 > 669.7	6.80e3	2.46e4	1.415	1.000	5.97	9.75	19.5
43	13C2-PFHxDA	815.0 > 769.7	4.36e4	2.46e4	2.520	1.000	6.20	35.1	70.2
44	13C4-PFBA	217 > 171.8	4.34e4	4.34e4	1.000	1.000	2.26	50.0	100.0
45	13C2-4:2 FTS	329.2 > 308.9	1.36e4	1.36e4	1.000	1.000	3.91	50.0	100.0
46	13C-PFHxA	315 > 269.8	3.59e4	3.59e4	1.000	1.000	3.94	50.0	100.0
47	13C8-PFOA	421.3 > 376	3.31e4	3.31e4	1.000	1.000	4.76	50.0	100.0
48	13C4-PFOS	503.2 > 98.6	1.58e4	1.58e4	1.000	1.000	5.05	50.0	100.0
49	13C2-FOUEA	459.1 > 393.9	4.73e4	4.73e4	1.000	1.000	5.15	50.0	100.0
50	13C9-PFNA	472.2 > 426.9	3.44e4	3.44e4	1.000	1.000	5.05	50.0	100.0
51	13C7-PFUdA	570.1 > 524.8	2.46e4	2.46e4	1.000	1.000	5.50	50.0	100.0
52	d-N-MeFOSA	515.2 > 168.9	1.71e3	1.71e3	1.000	1.000	5.78	50.0	100.0

Ⓐ Recovery outside method limits.

ACS/13/15

60-150  
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DODCMD_ID	INSTALLATION_ID	SDG	SITE_NAME	NORM_SITE_NAME	LOCATION_NAME	LOCATION_TYPE_DESC	COORD_X	COORD_Y	CONTRACT_ID	DO_CTO_NUMBER	CONTR_NAME	SAMPLE_NAME	SAMPLE_MATRIX_DESC	SAMPLE_TYPE_DESC	COLLECT_DATE	ANALYTICAL_METHOD	ANALYTICAL_METHOD_GRP_DESC
MID_ATLANTIC	PARRIS_ISLAND_MCRD	1500410	SITE 00013	SITE 00013	PAI13CSB11	Borehole/Soil boring	2102227.306	182838.8033	N6246704D0055	110	TETRA TECH NUS, INC.	PAI-13C-SB11-0103	Soil	Normal (Regular)	4-May-15	537	Perfluoroalkyl Compounds
MID_ATLANTIC	PARRIS_ISLAND_MCRD	1500410	SITE 00004	SITE 00004	PAI04SB28	Borehole/Soil boring	2102048.853	183008.2689	N6246704D0055	110	TETRA TECH NUS, INC.	PAI-04-SB28-0608	Soil	Normal (Regular)	3-May-15	537	Perfluoroalkyl Compounds