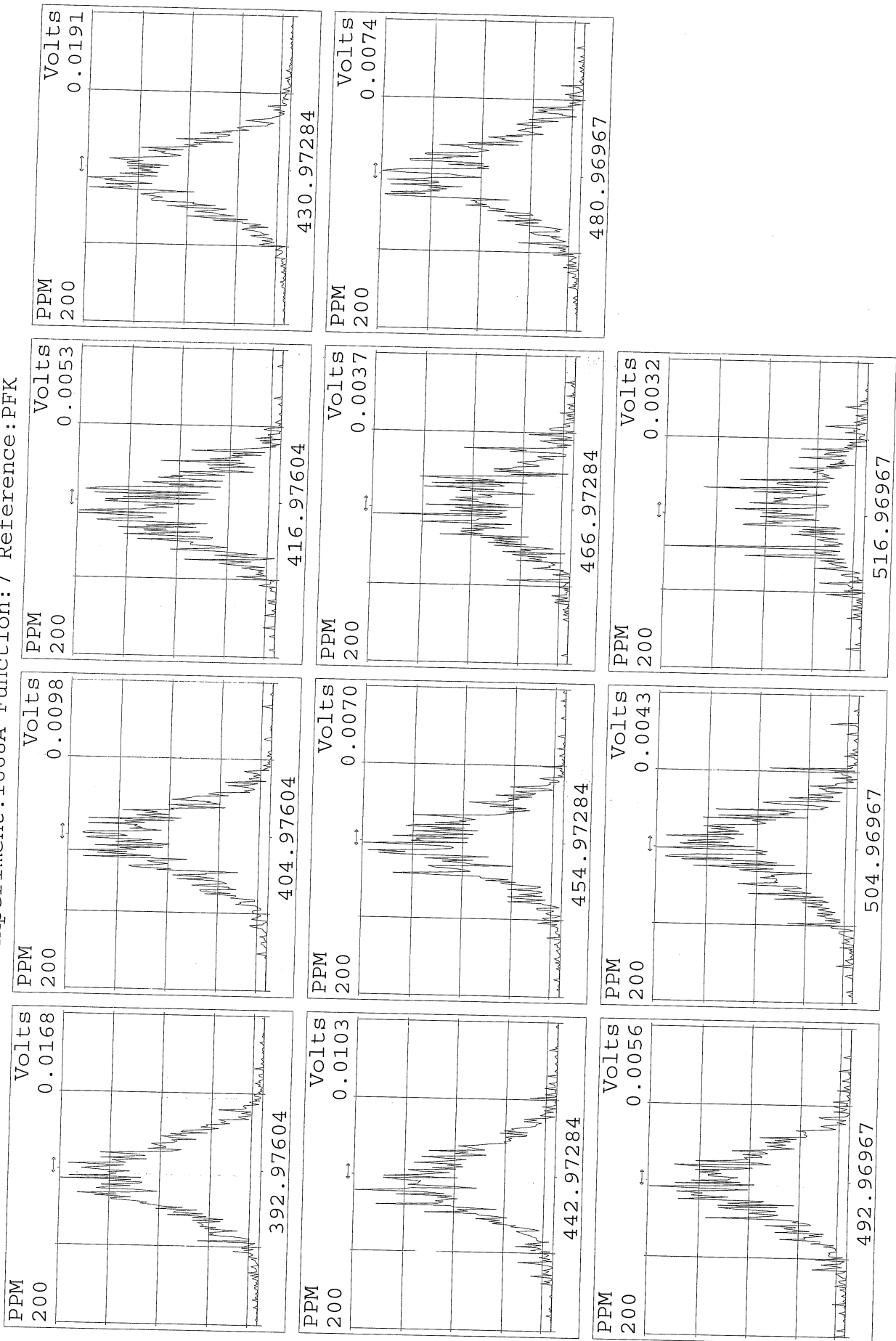
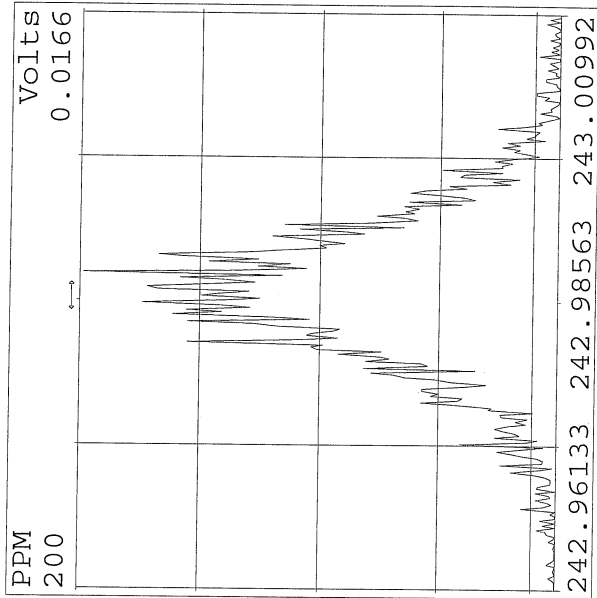
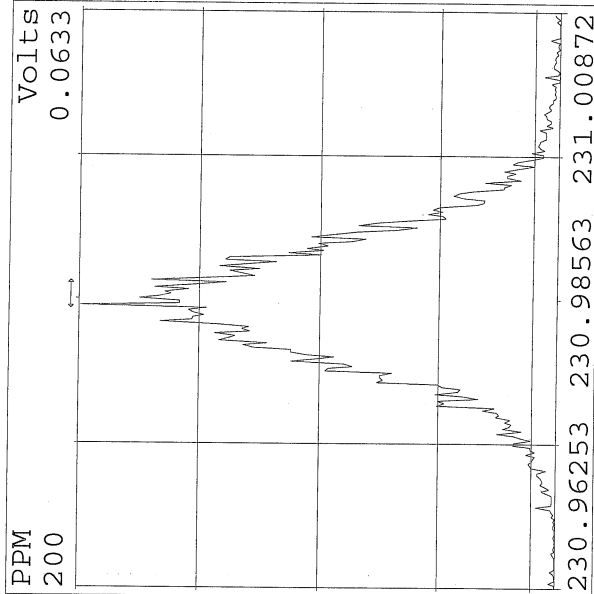
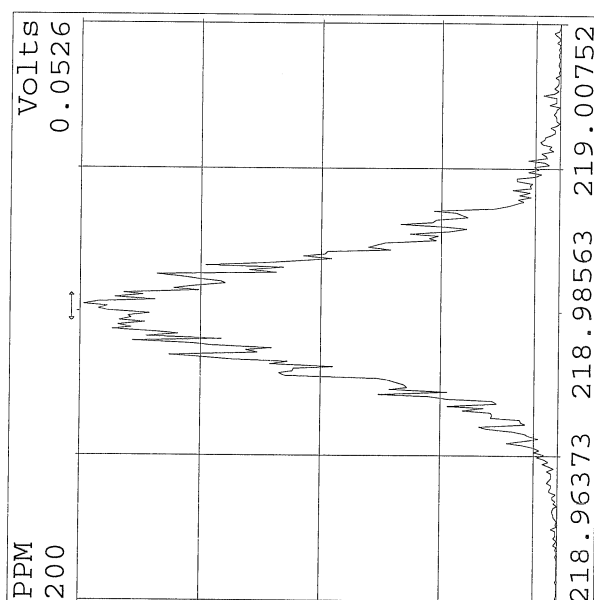
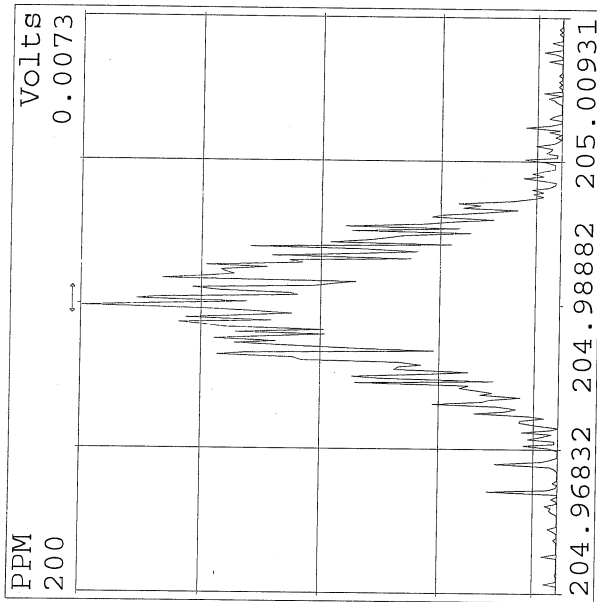
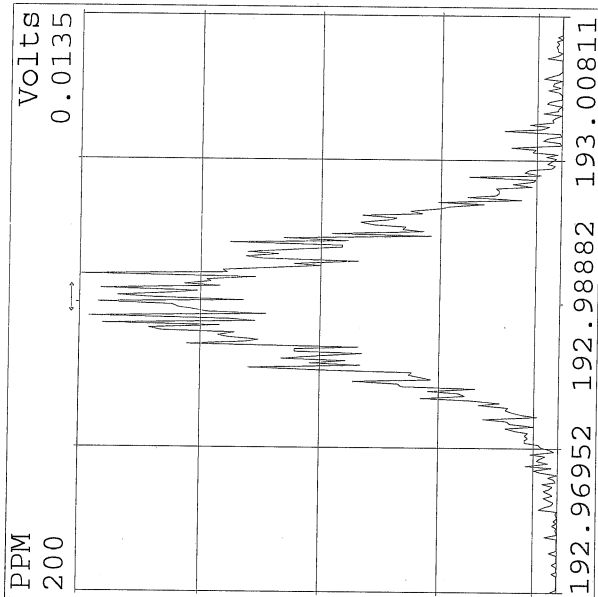
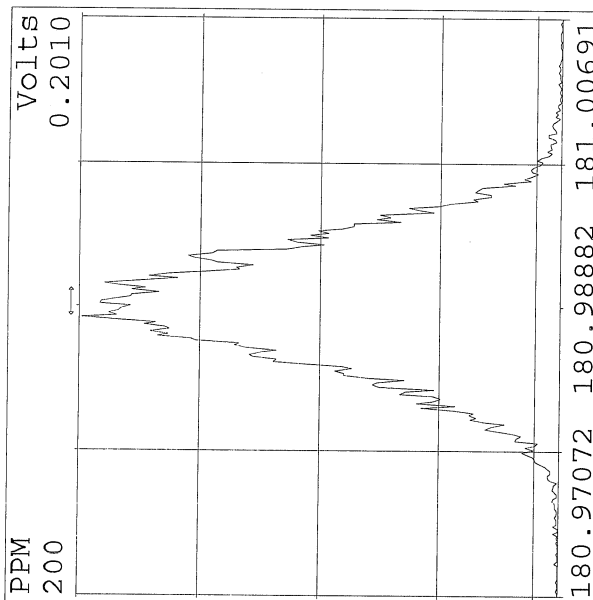


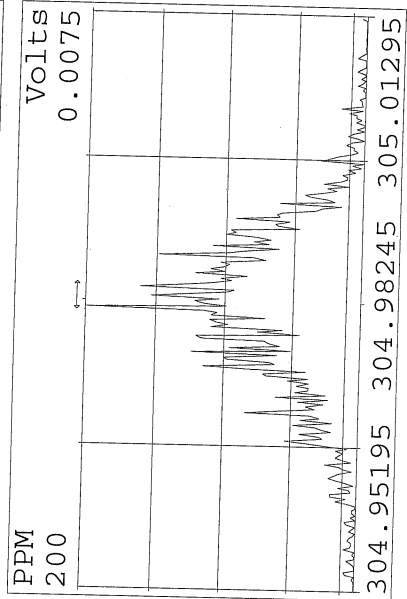
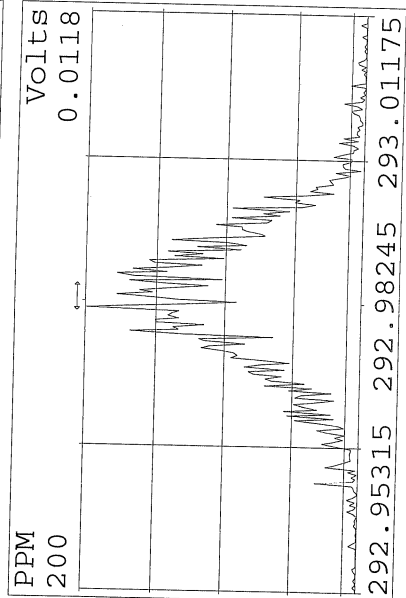
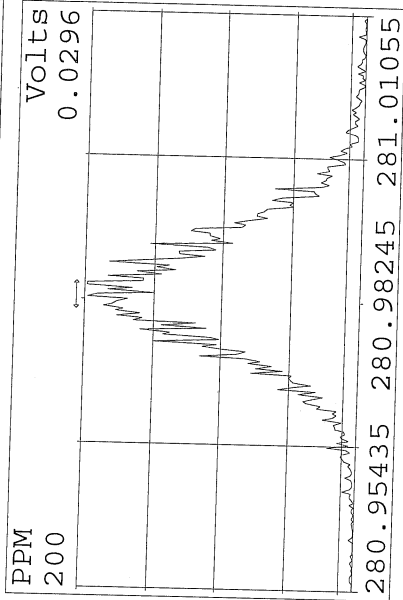
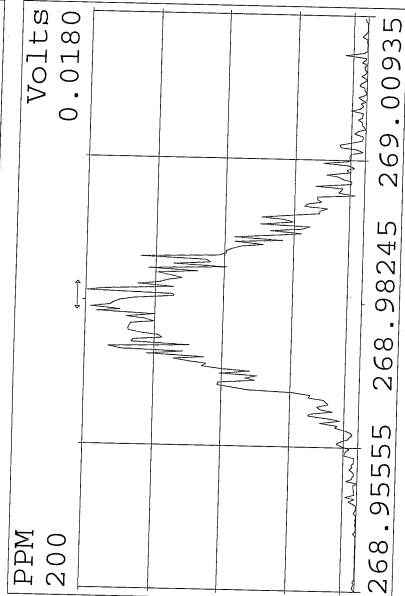
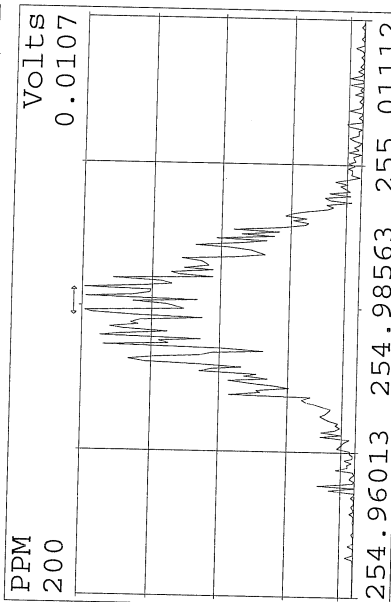
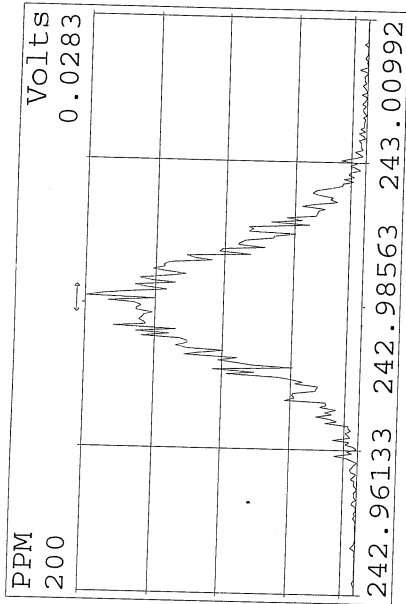
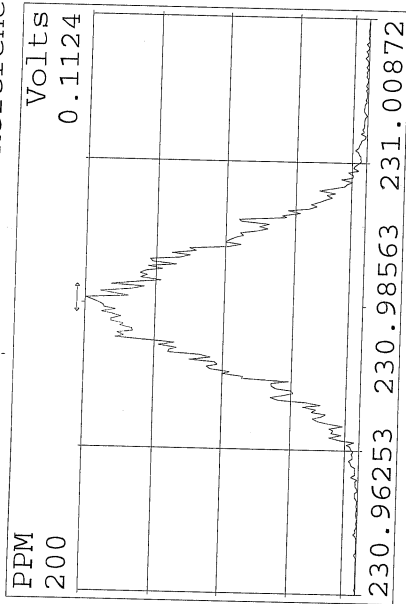
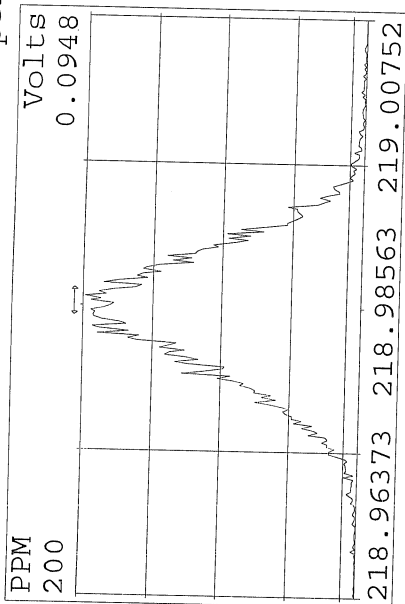
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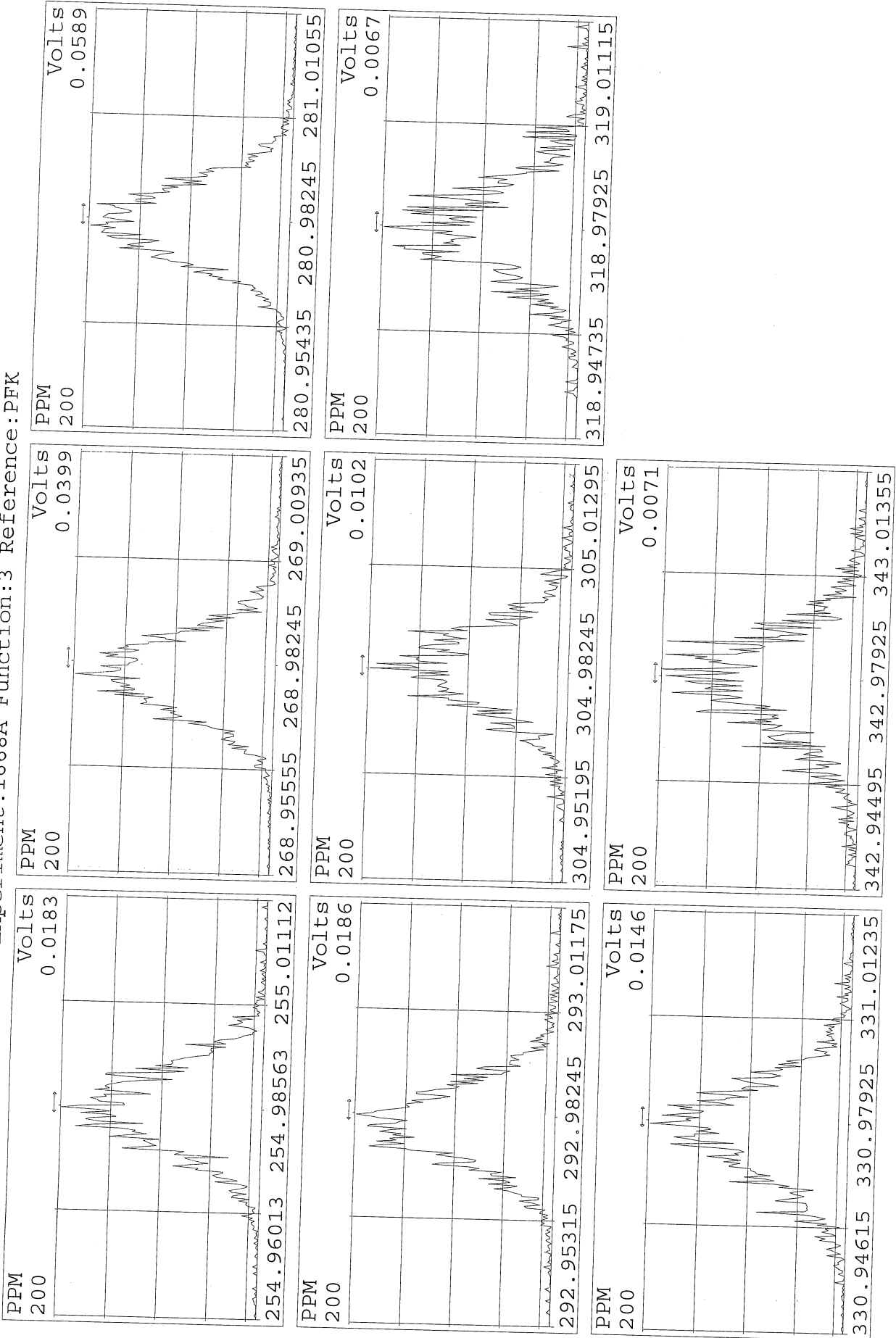
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Experiment:1668A Function:1 Reference:PFK



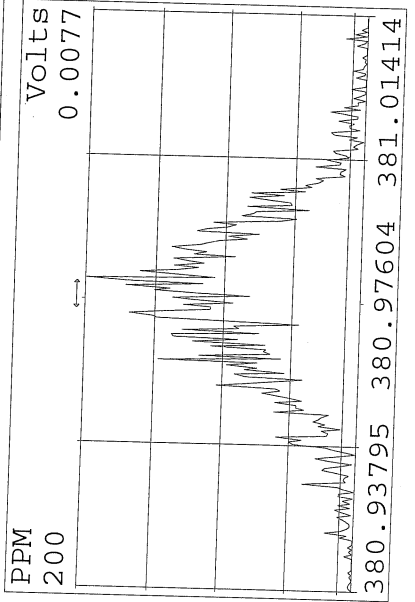
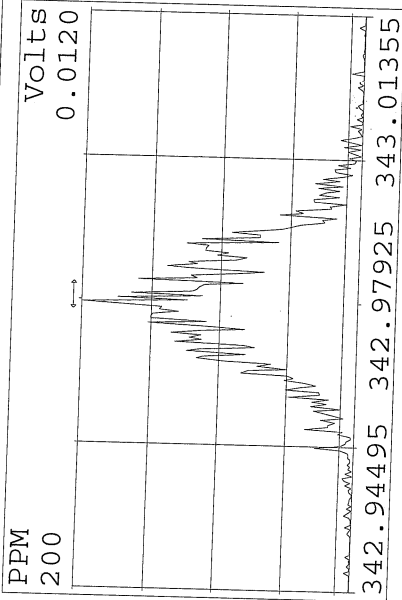
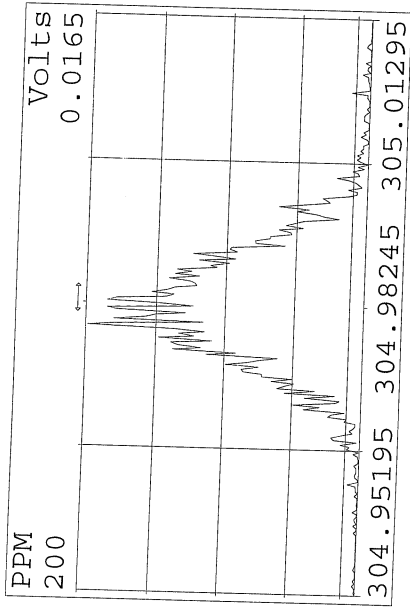
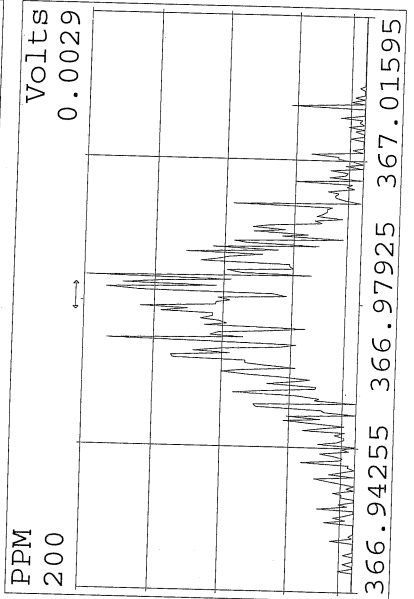
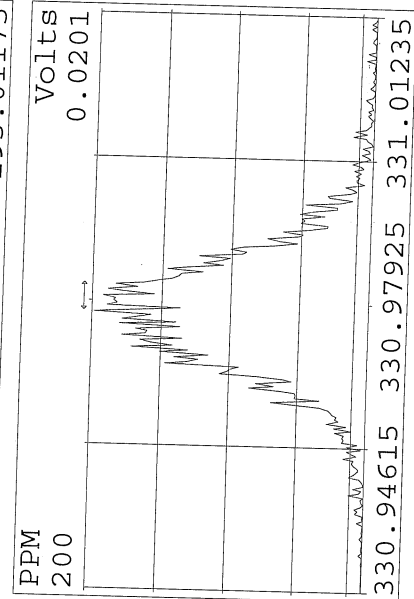
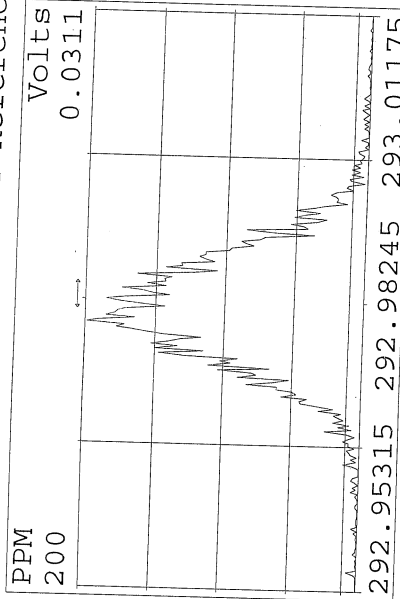
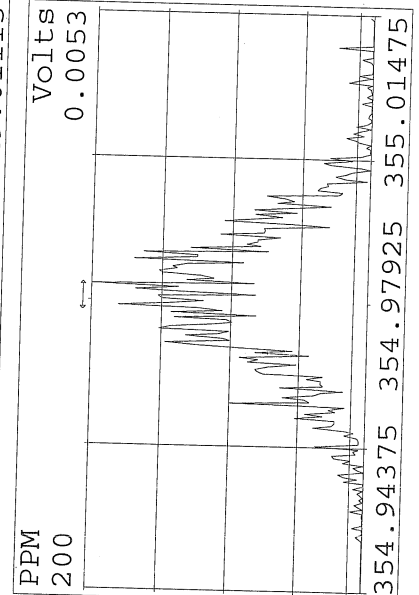
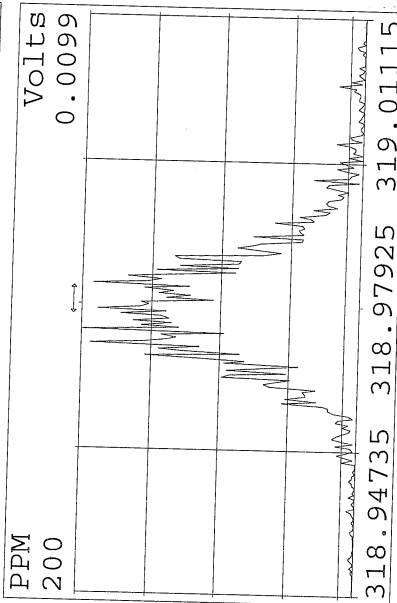
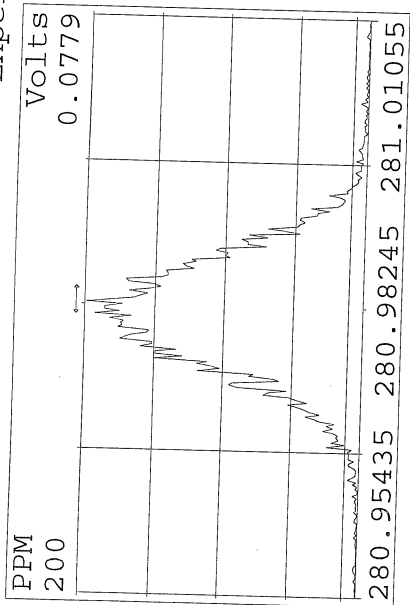
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Experiment:1668A Function:2 Reference:PFK



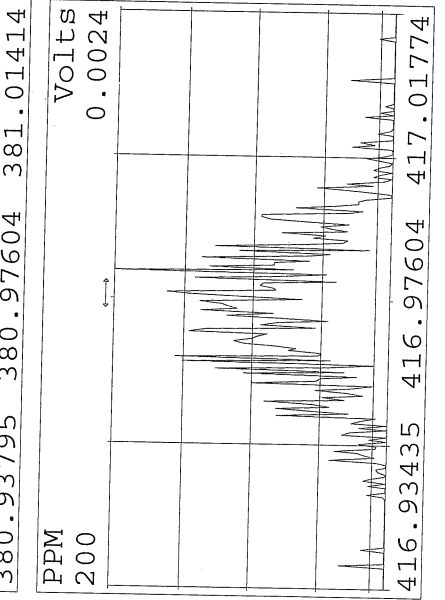
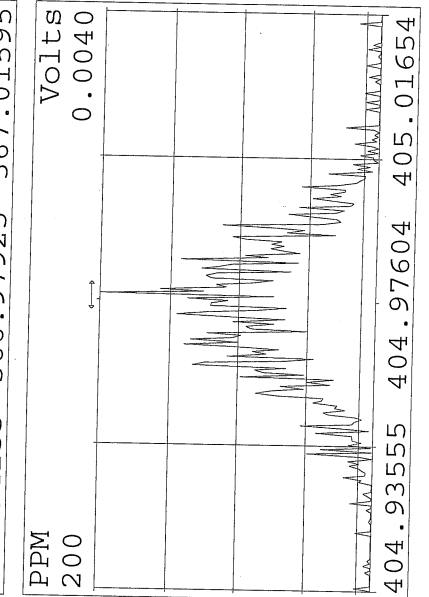
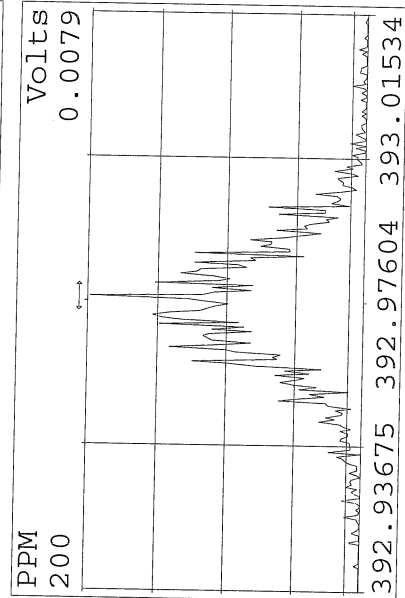
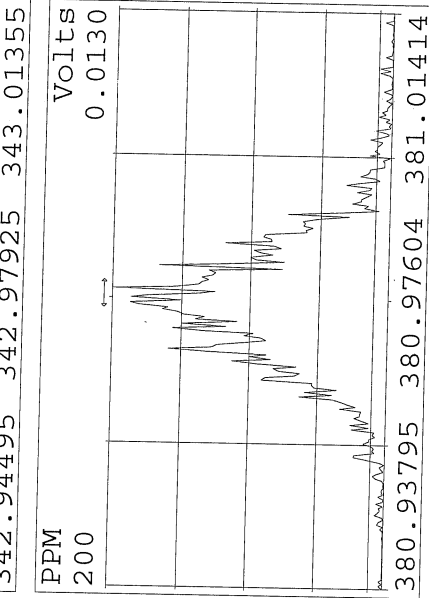
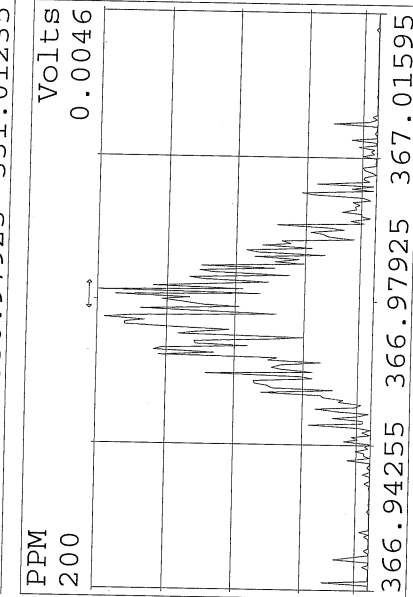
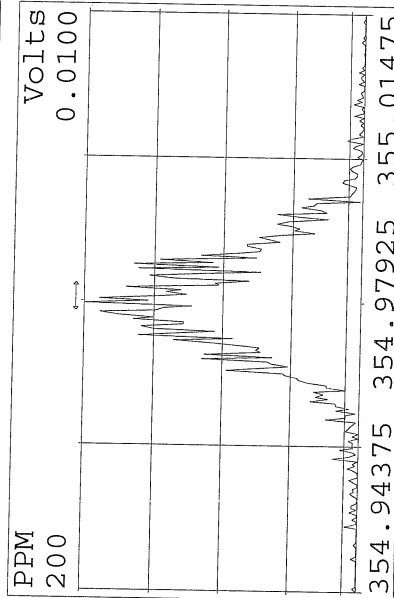
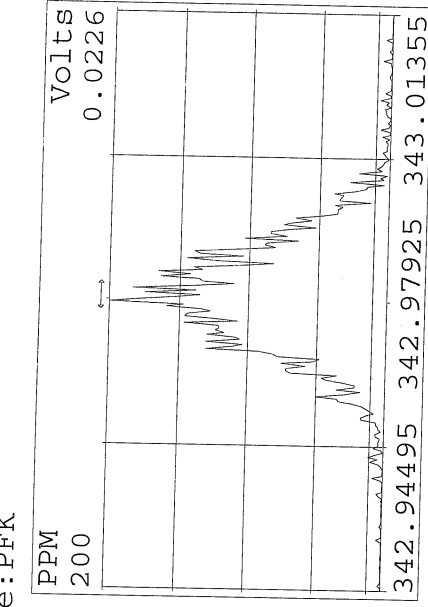
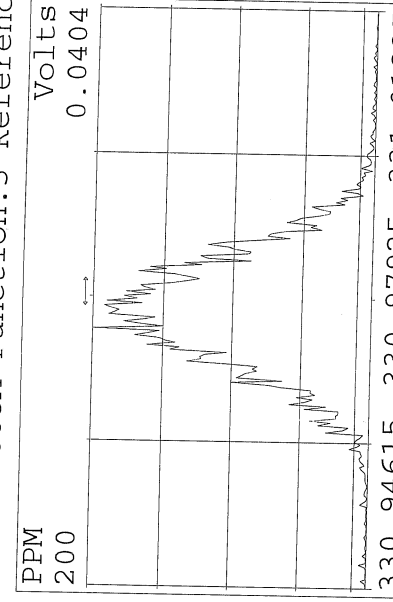
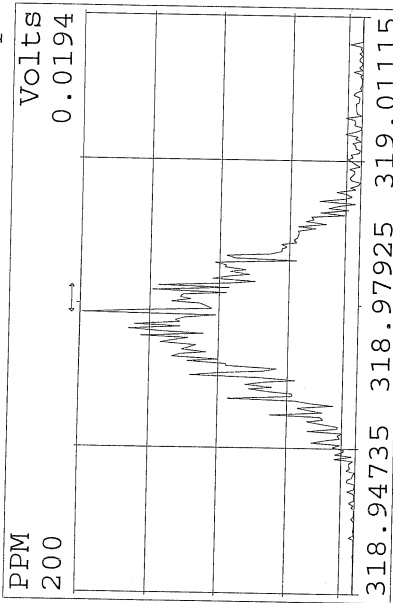
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 Experiment: 1668A Function: 3 Reference: PFK



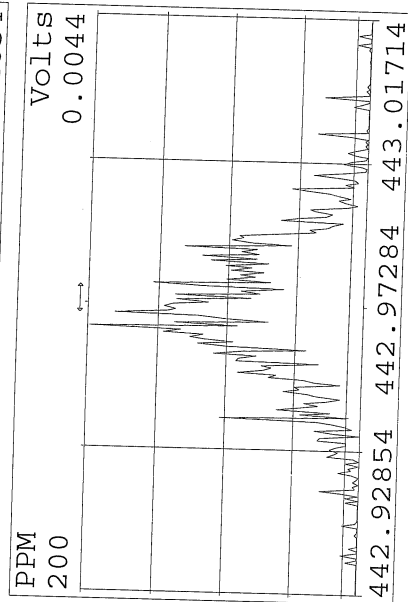
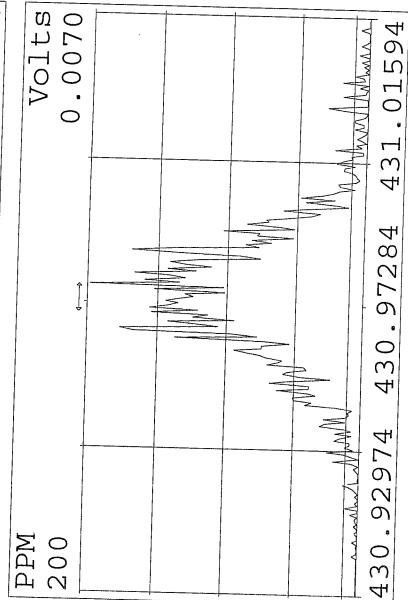
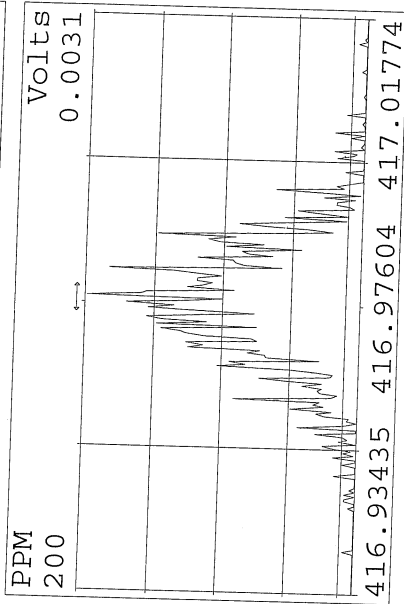
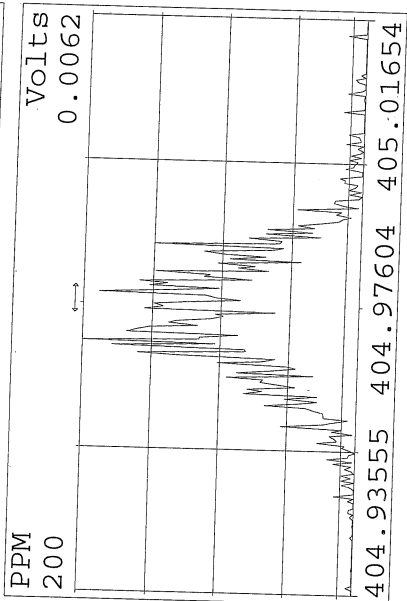
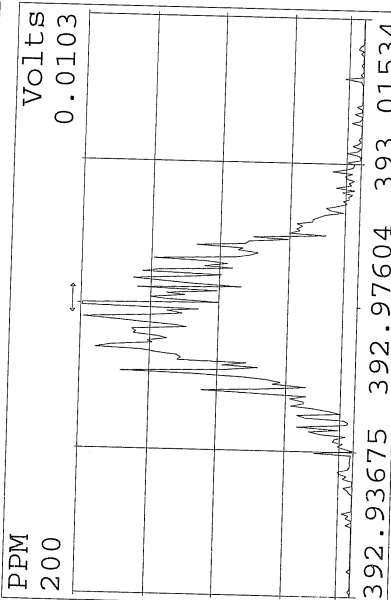
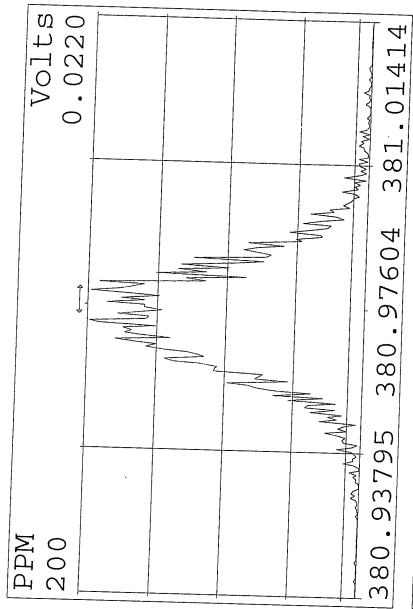
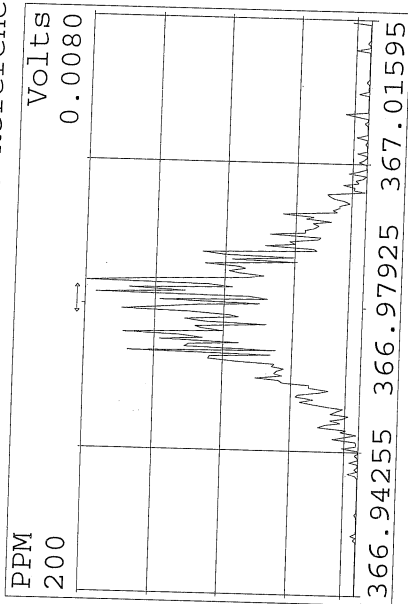
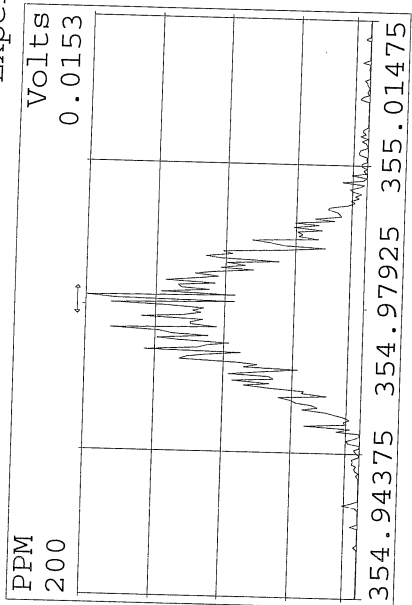
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Experiment: 1668A Function: 4 Reference: PFK



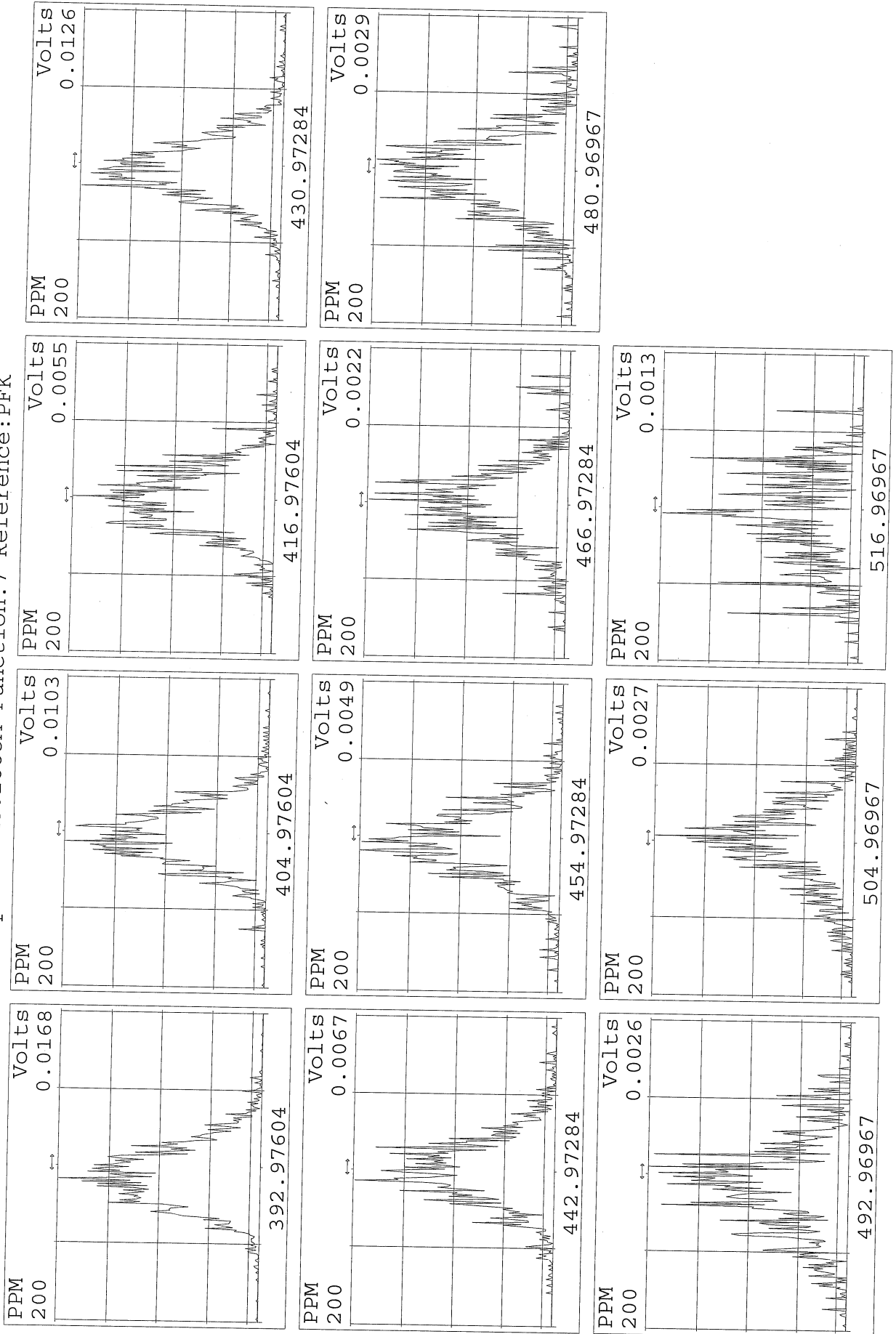
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Experiment:1668A Function:5 Reference:PFK



Peak Locate Examination: 19-FEB-2016: 09:56 File: M2160219  
Experiment: 1668A Function: 6 Reference: PFK



Peak Locate Examination:19-FEB-2016:09:56 File:M2160219  
Experiment:1668A Function:7 Reference:PFK





Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 4:30:55 PM Eastern Standard Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\EPA 1668 5PT-20160211A.mdb 16 Feb 2016 08:03:01  
 Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\M2160211A\_5PT\_1668.cdb 16 Feb 2016 08:03:15

ID:

Date: 19-FEB-2016

Time: 23:00:55

Instrument: Autospec-UltimaE

Description: CS3\_PCB 150417CXU

#	Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
1	PCB 1	9.00	1.001	1352854	420660	3.22	YES	bb	51.633	3.3	103	29	1.117
2	PCB 3	10.19	1.000	1373914	428055	3.21	YES	bd	51.826	3.7	104	30	1.118
3	PCB 4	10.30	1.000	604587	382987	1.58	YES	bb	52.540	5.1	105	31	1.002
4	PCB 15	12.95	1.002	1397004	881770	1.58	YES	db	60.426	20.9	121	32	1.052
5	PCB 19	11.68	1.000	457007	441107	1.04	YES	bb	57.645	15.3	115	33	1.036
6	PCB 37	16.70	1.001	1000065	980589	1.02	YES	bb	55.546	11.1	111	34	1.006
7	PCB 54	13.08	1.002	385509	494961	0.78	YES	bb	55.240	10.5	110	35	1.006
8	PCB 81	21.44	1.001	775760	1007227	0.77	YES	bb	57.987	16.0	116	36	1.191
9	PCB 77	21.89	1.001	776551	1007167	0.77	YES	bb	56.439	12.9	113	37	1.216
10	PCB 104	15.94	1.001	540175	334923	1.61	YES	bb	52.228	4.5	104	38	1.143
11	PCB 123	23.53	1.002	947909	604031	1.57	YES	bd	55.783	11.6	112	39	0.998
12	PCB 118	23.81	1.001	1025317	654950	1.57	YES	db	56.124	12.2	112	40	1.102
13	PCB 114	24.27	1.001	996682	636841	1.57	YES	bb	55.102	10.2	110	41	1.113
14	PCB 105	24.85	1.001	975052	625048	1.56	YES	bb	56.142	12.3	112	42	1.096
15	PCB 126	27.71	1.001	1014316	639572	1.59	YES	bd	57.698	15.4	115	43	1.127
16	PCB 155	19.63	1.001	470071	364523	1.29	YES	bb	52.844	5.7	106	44	1.053
17	PCB 167	29.53	1.001	892942	711070	1.26	YES	db	54.746	9.5	109	45	1.036
18	PCB 156/157	30.72	1.001	1822689	1452485	1.25	YES	bb	109.581	9.6	110	46	1.115
19	PCB 169	34.12	1.001	887994	703002	1.26	YES	bb	53.283	6.6	107	47	1.017
20	PCB 188	24.24	1.001	411346	378120	1.09	YES	bb	54.834	9.7	110	48	1.110
21	PCB 193/180	32.13	1.001	421800	389779	1.08	YES	bb	50.774	1.5	102	49	1.156
22	PCB 170	33.45	1.001	416188	379997	1.10	YES	bb	50.388	0.8	101	50	1.281
23	PCB 189	36.87	1.001	713188	713935	1.00	YES	bb	49.810	-0.4	100	51	0.940
24	PCB 202	29.28	1.001	330176	366460	0.90	YES	bb	53.114	6.2	106	52	1.049
25	PCB 205	39.76	1.001	495011	535517	0.92	YES	bb	52.257	4.5	105	53	1.140
26	PCB 208	36.32	1.001	272438	347270	0.78	YES	bb	50.493	1.0	101	54	1.034
27	PCB 206	41.73	1.001	203683	262441	0.78	YES	bb	48.883	-2.2	98	55	1.004
28	PCB 209	43.59	1.001	235659	193620	1.22	YES	bb	46.656	-6.7	93	56	0.970
29	PCB 1L	8.99	0.804	2420792	754216	3.21	YES	bb	110.805	10.8	111	63	0.913
30	PCB 3L	10.19	0.911	2449698	773711	3.17	YES	bb	108.723	8.7	109	63	0.927
31	PCB 4L	10.30	0.921	1206133	764254	1.58	YES	bb	104.394	4.4	104	63	0.566
32	PCB 15L	12.93	1.157	2689789	1642313	1.64	YES	bb	115.927	15.9	116	63	1.245
33	PCB 19L	11.68	1.045	900408	833297	1.08	YES	bb	86.198	-13.8	86	63	0.498
34	PCB 37L	16.68	1.086	2031509	1906329	1.07	YES	bb	113.896	13.9	114	64	2.263
35	PCB 54L	13.06	0.850	776400	974060	0.80	YES	bb	77.528	-22.5	78	64	1.006
36	PCB 81L	21.43	1.394	1335752	1658336	0.81	YES	bb	98.992	-1.0	99	64	1.720
37	PCB 77L	21.87	1.423	1307484	1626342	0.80	YES	bb	100.516	0.5	101	64	1.686
38	PCB 104L	15.93	0.806	942380	588698	1.60	YES	bb	93.186	-6.8	93	65	1.077
39	PCB 123L	23.49	1.188	1926107	1184249	1.63	YES	bd	113.012	13.0	113	65	2.188
40	PCB 118L	23.78	1.203	1885665	1164631	1.62	YES	db	112.577	12.6	113	65	2.145
41	PCB 114L	24.26	1.227	1828581	1105837	1.65	YES	bb	116.423	16.4	116	65	2.064
42	PCB 105L	24.83	1.256	1811371	1107245	1.64	YES	bb	112.646	12.6	113	65	2.053
43	PCB 126L	27.70	1.401	1816602	1118491	1.62	YES	bb	118.956	19.0	119	65	2.064
44	PCB 155L	19.61	0.737	887126	697615	1.27	YES	bb	87.278	-12.7	87	66	1.225

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 4:30:55 PM Eastern Standard Time

ID:

Date: 19-FEB-2016

Time: 23:00:55

Instrument: Autospec-UltimaE

Description: CS3\_PCB 150417CXU

# Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
45 PCB 167L	29.52	1.110	1740820	1356779	1.28	YES	db	113.485	13.5	113	66	2.394
46 PCB 156L/157L	30.68	1.154	3313633	2563611	1.29	YES	bb	236.500	18.3	118	66	2.271
47 PCB 169L	34.10	1.282	1766659	1361822	1.30	YES	bb	128.203	28.2	128	66	2.418
48 PCB 188L	24.22	0.911	731200	691588	1.06	YES	bb	82.728	-17.3	83	66	1.100
49 PCB 180L	32.11	0.820	725534	677987	1.07	YES	bb	88.403	-11.6	88	67	1.192
50 PCB 170L	33.44	0.853	642995	600236	1.07	YES	bb	89.483	-10.5	89	67	1.056
51 PCB 189L	36.85	0.940	1570404	1465506	1.07	YES	bb	119.536	19.5	120	67	2.579
52 PCB 202L	29.25	0.746	632720	695369	0.91	YES	bb	79.474	-20.5	79	67	1.128
53 PCB 205L	39.73	1.014	872250	936012	0.93	YES	bb	100.304	0.3	100	67	1.536
54 PCB 208L	36.30	0.926	528292	670877	0.79	YES	bb	89.395	-10.6	89	67	1.019
55 PCB 206L	41.71	1.064	406733	522107	0.78	YES	bb	103.873	3.9	104	67	0.789
56 PCB 209L	43.56	1.112	485098	399705	1.21	YES	bb	103.761	3.8	104	67	0.752
57 PCB 28L	14.41	0.938	2061282	1975974	1.04	YES	db	113.752	13.8	114	64	2.320
58 PCB 111L	21.85	1.105	1208508	746836	1.62	YES	bb	102.404	2.4	102	65	1.375
59 PCB 178L	27.00	1.015	421975	404947	1.04	YES	bb	87.211	-12.8	87	66	0.639
60 PCB 31L	14.24	0.927	2008609	1859267	1.08	YES	bd	114.892	14.9	115	64	2.222
61 PCB 95L	17.76	0.898	818886	510854	1.60	YES	bb	98.850	-1.2	99	65	0.935
62 PCB 153L	25.42	0.956	882882	675279	1.31	YES	bb	98.309	-1.7	98	66	1.204
63 PCB 9L	11.18	0.000	2140428	1337907	1.60	YES	bb	185.453	85.5	185	0	34783...
64 PCB 52L	15.36	0.000	775910	964496	0.80	YES	bb	176.589	76.6	177	0	17404...
65 PCB 101L	19.77	0.000	881764	539971	1.63	YES	db	160.068	60.1	160	0	14217...
66 PCB 138L	26.59	0.000	736571	557141	1.32	YES	bb	160.260	60.3	160	0	12937...
67 PCB 194L	39.18	0.000	568609	608685	0.93	YES	bb	180.259	80.3	180	0	11772...
68 Total MoCB F1								103.459			29	
69 Total MoCB labeled ...								219.527			63	
70 Total DiCB F1								52.540			31	
71 Total DiCB labeled F1								104.394			63	
72 Total DiCB F2								60.426			32	
73 Total DiCB labeled F2								301.381			63	
74 Total TriCB F2								57.645			33	
75 Total TriCB labeled F2								86.198			63	
76 Total TriCB F3								55.546			34	
77 Total TriCB labeled F3								342.540			64	
78 Total TeCB F2								55.240			35	
79 Total TeCB labeled F2								77.528			64	
80 Total TeCB F3											35	
81 Total TeCB labeled F3								176.589			64	
82 Total TeCB F4								114.426			36	
83 Total TeCB labeled F4								199.508			64	
84 Total PeCB F3								52.228			38	
85 Total PeCB labeled F3								93.186			65	
86 Total PeCB F4											39	
87 Total PeCB labeled F4								361.322			65	
88 Total PeCB F5								280.849			39	
89 Total PeCB labeled F5								573.615			65	
90 Total HxCB F4								52.844			44	
91 Total HxCB labeled F4								87.278			66	
92 Total HxCB F5											45	

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

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**ID:**

**Date: 19-FEB-2016**

**Time: 23:00:55**

**Instrument: Autospec-UltimaE**

**Description: CS3\_PCB 150417CXU**

#	Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio	Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
93	Total HxCB labeled F5									258.570			66	
94	Total HxCB F6									217.611			45	
95	Total HxCB labeled F6									478.188			66	
96	Total HpCB F5									54.834			48	
97	Total HpCB labeled ...									169.939			67	
98	Total HpCB F6									101.163			49	
99	Total HpCB labeled ...									177.886			67	
100	Total HpCB F7									49.810			51	
101	Total HpCB labeled ...									119.536			67	
102	Total OcCB F6									53.114			52	
103	Total OcCB labeled ...									79.474			67	
104	Total OcCB F7									52.257			53	
105	Total OcCB labeled ...									280.563			67	
106	Total NoCB F7									99.376			54	
107	Total NoCB labeled ...									193.268			67	
108	Total DeCB F7									46.656			56	
109	Total DeCB labeled ...									103.761			67	
110	lockmass F1												0	
111	lockmass F2												0	
112	lockmass F3												0	
113	lockmass F4												0	
114	lockmass F5												0	
115	lockmass F6												0	
116	lockmass F7												0	

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

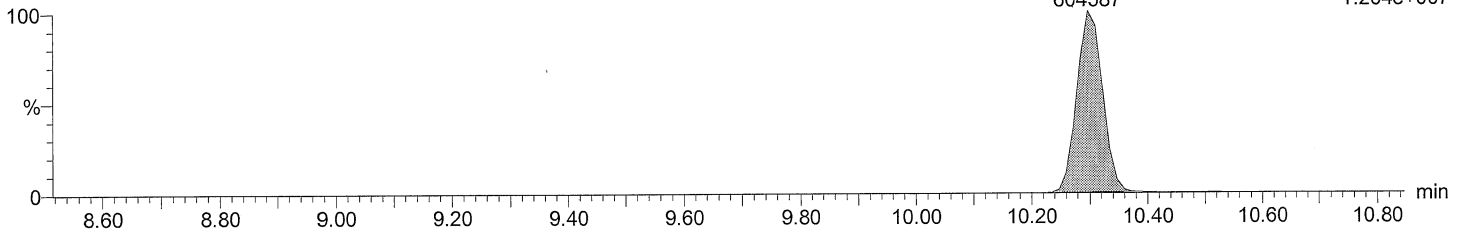
Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time  
Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 14  
Date: 19-FEB-2016  
Time: 23:00:55  
Instrument: Autospec-UltimaE

Total DiCB F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

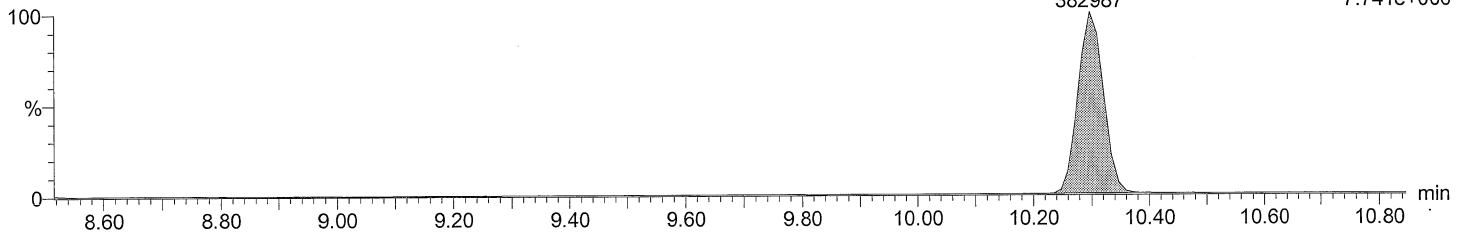
PCB 4  
10.30  
604587  
F1:SIR of 10 channels,EI+  
222.0003  
1.204e+007



Total DiCB F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

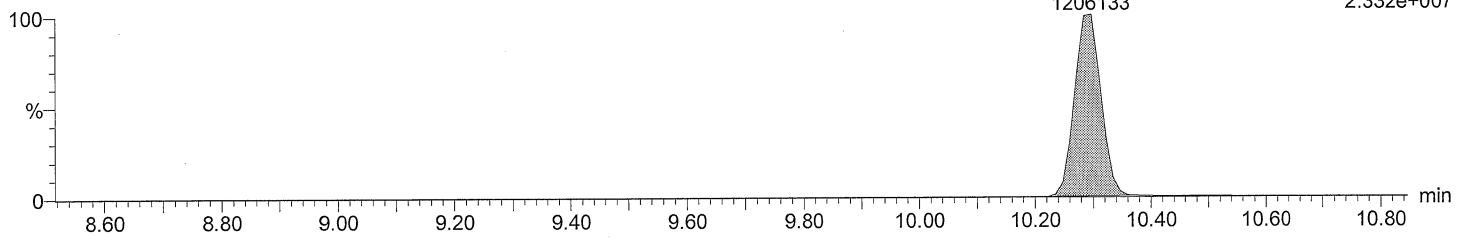
PCB 4  
10.30  
382987  
F1:SIR of 10 channels,EI+  
223.9974  
7.741e+006



Total DiCB labeled F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

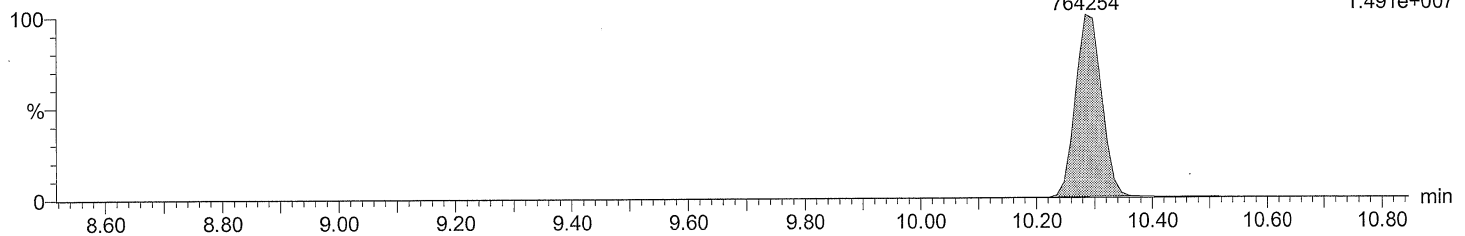
PCB 4L  
10.30  
1206133  
F1:SIR of 10 channels,EI+  
234.0406  
2.332e+007



Total DiCB labeled F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 4L  
10.28  
764254  
F1:SIR of 10 channels,EI+  
236.0376  
1.491e+007



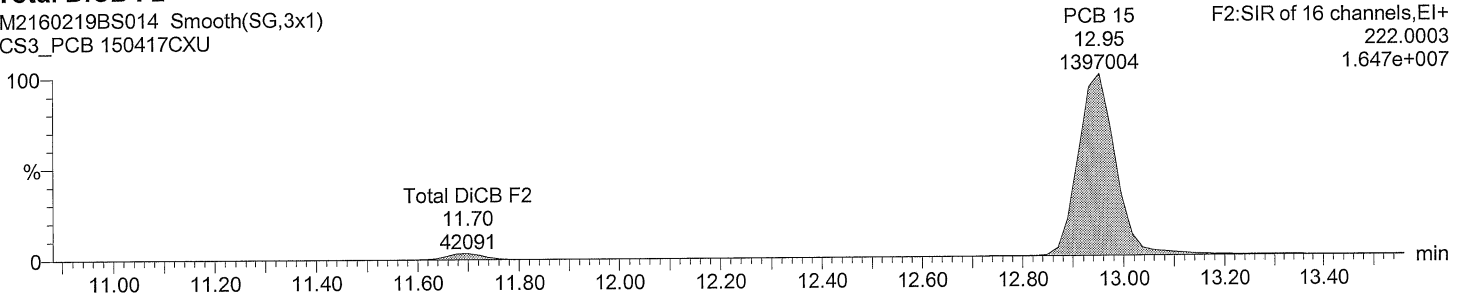
Dataset:- C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time  
Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 14  
Date: 19-FEB-2016  
Time: 23:00:55  
Instrument: Autospec-UltimaE

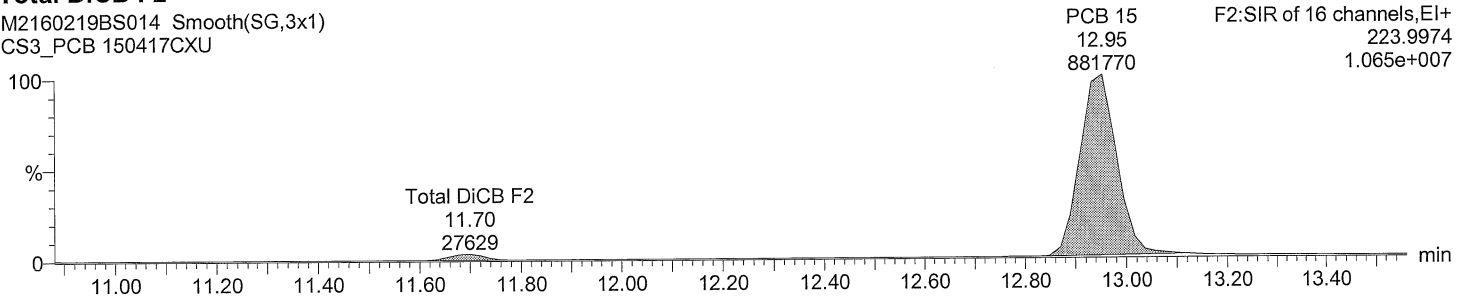
Total DiCB F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



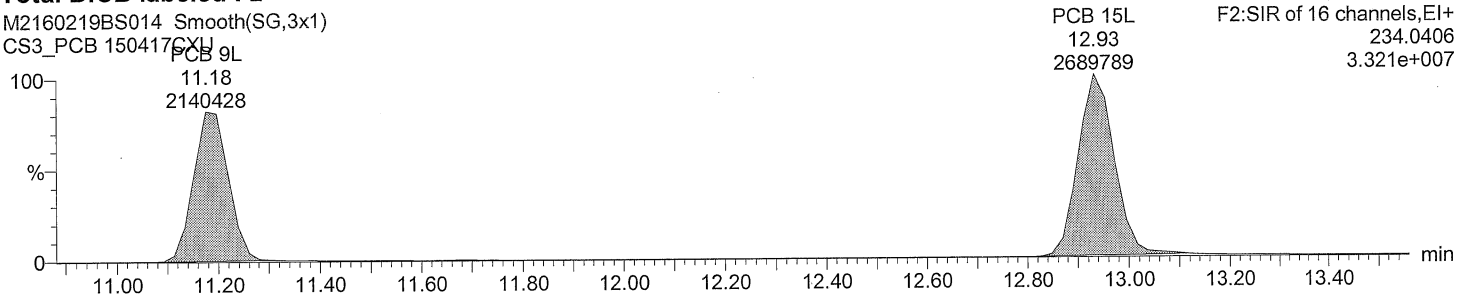
Total DiCB F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



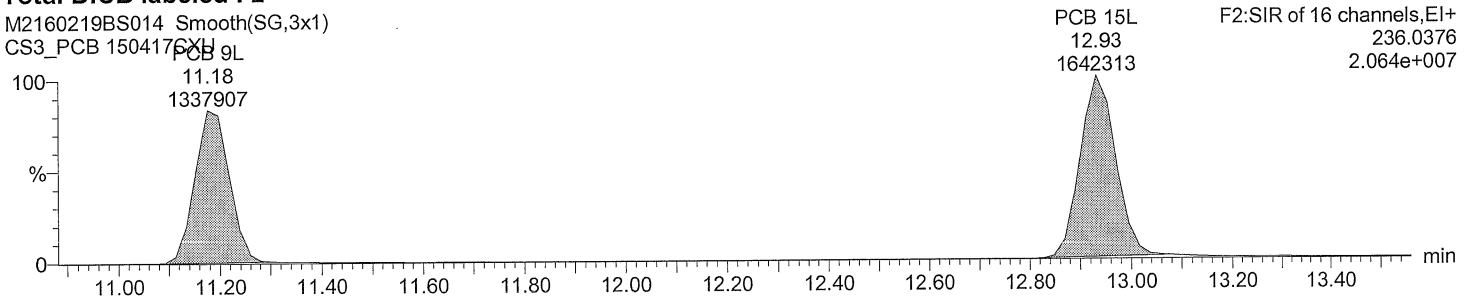
Total DiCB labeled F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Total DiCB labeled F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time  
Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

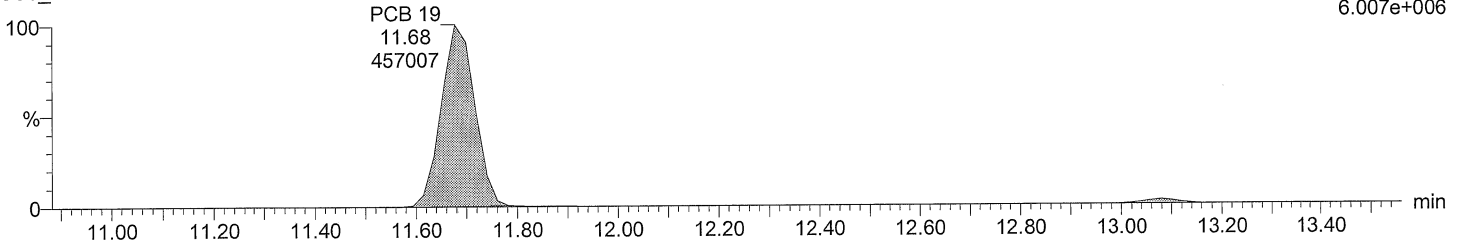
Time: 23:00:55

Instrument: Autospec-UltimaE

Total TriCB F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

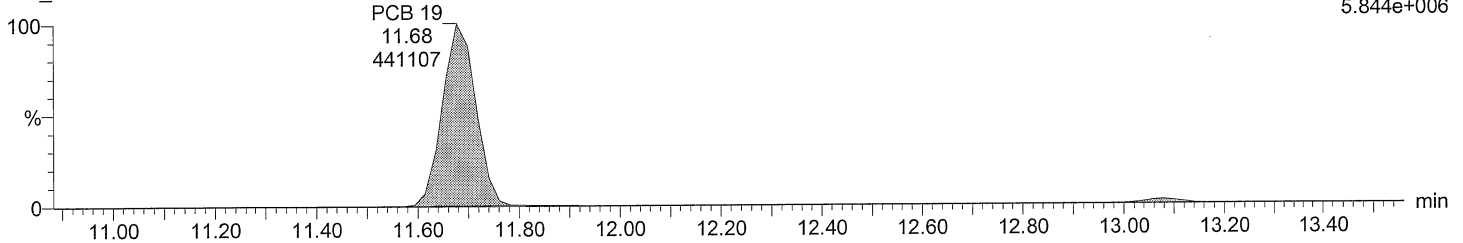
F2:SIR of 16 channels,EI+  
255.9614  
6.007e+006



Total TriCB F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

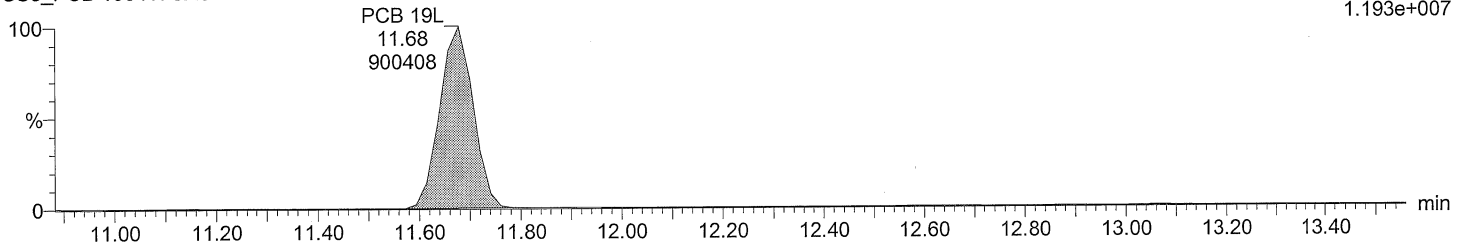
F2:SIR of 16 channels,EI+  
257.9584  
5.844e+006



Total TriCB labeled F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

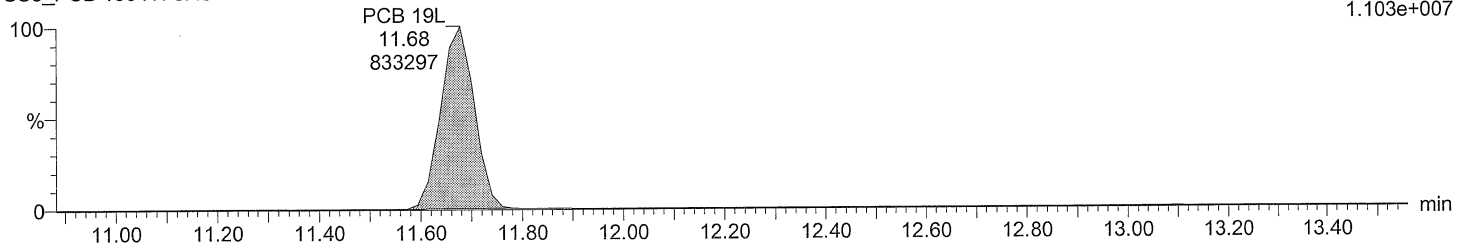
F2:SIR of 16 channels,EI+  
268.0016  
1.193e+007



Total TriCB labeled F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F2:SIR of 16 channels,EI+  
269.9986  
1.103e+007



Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time  
Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

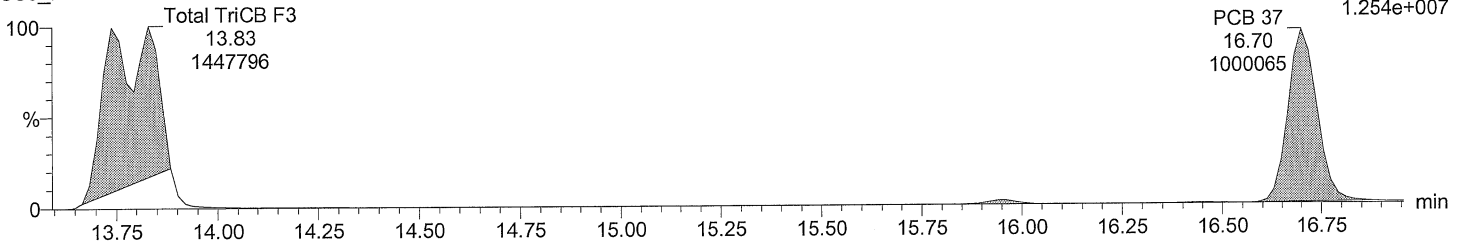
Time: 23:00:55

Instrument: Autospec-UltimaE

Total TriCB F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

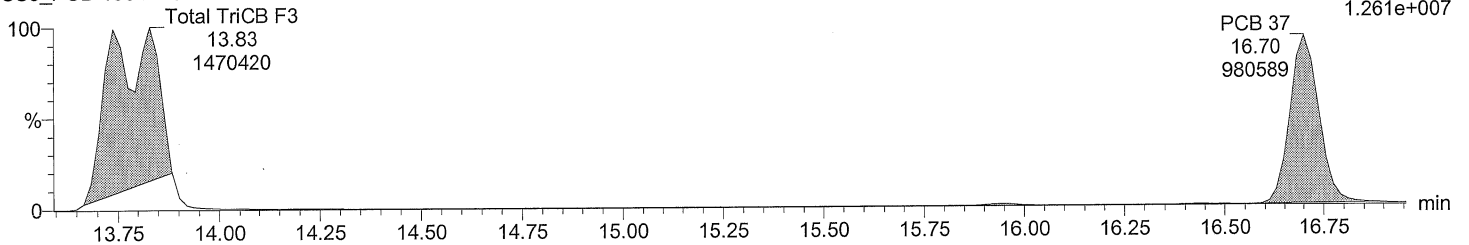
F3:SIR of 14 channels,EI+  
255.9614  
1.254e+007



Total TriCB F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

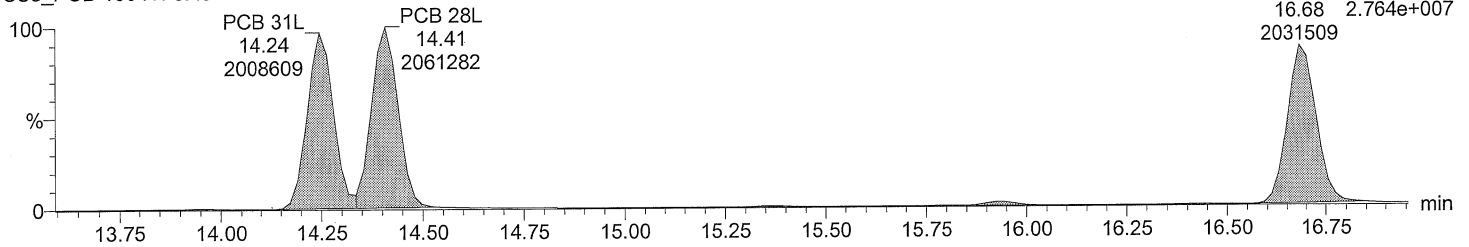
F3:SIR of 14 channels,EI+  
257.9584  
1.261e+007



Total TriCB labeled F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

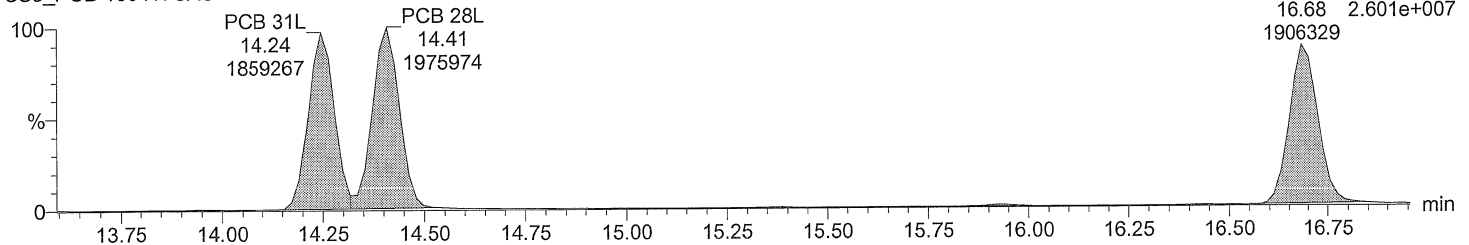
F3:SIR of 14 channels,EI+  
PCB 37L 268.0016  
16.68 2.764e+007  
2031509



Total TriCB labeled F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F3:SIR of 14 channels,EI+  
PCB 37L 269.9986  
16.68 2.601e+007  
1906329



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

Time: 23:00:55

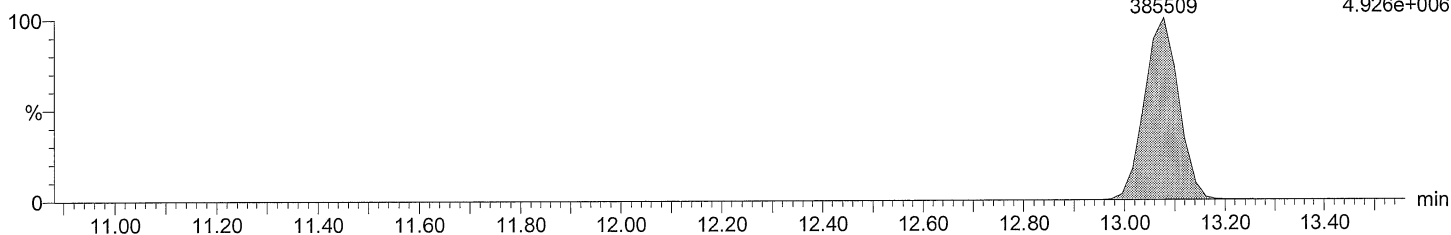
Instrument: Autospec-UltimaE

Total TeCB F2

M2160219BS014 Smooth(SG,3x1)

CS3\_PCB 150417CXU

PCB 54 F2:SIR of 16 channels,EI+  
13.08 289.9224  
385509 4.926e+006

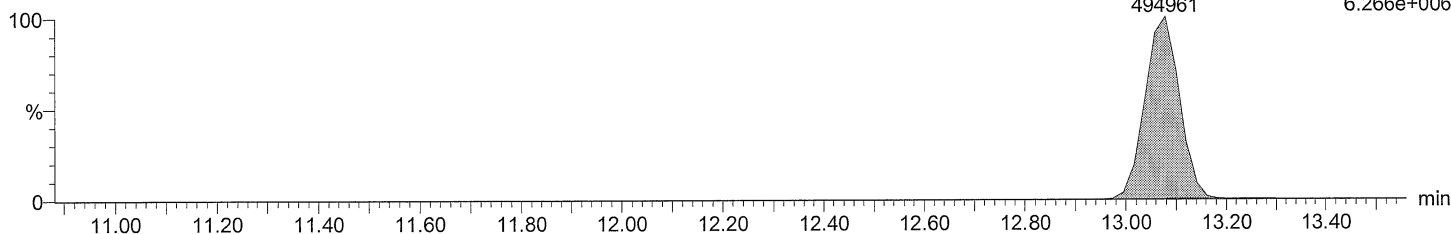


Total TeCB F2

M2160219BS014 Smooth(SG,3x1)

CS3\_PCB 150417CXU

PCB 54 F2:SIR of 16 channels,EI+  
13.08 291.9194  
494961 6.266e+006

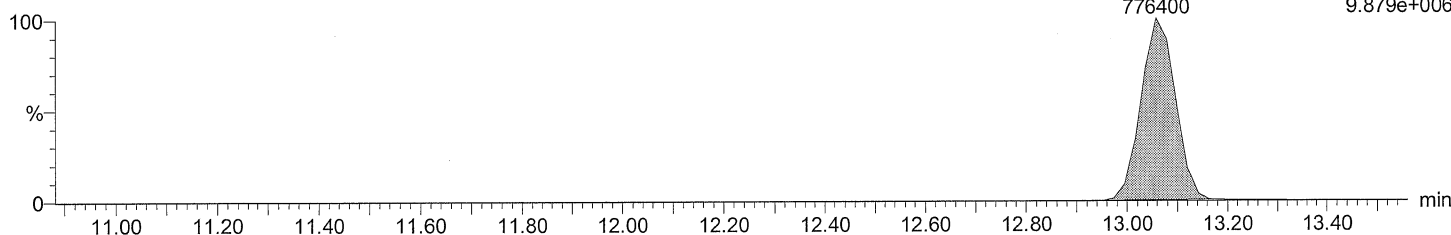


Total TeCB labeled F2

M2160219BS014 Smooth(SG,3x1)

CS3\_PCB 150417CXU

PCB 54L F2:SIR of 16 channels,EI+  
13.06 301.9626  
776400 9.879e+006

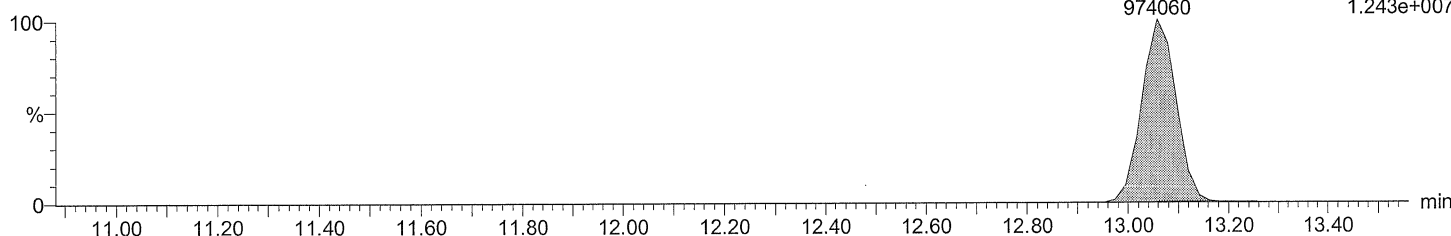


Total TeCB labeled F2

M2160219BS014 Smooth(SG,3x1)

CS3\_PCB 150417CXU

PCB 54L F2:SIR of 16 channels,EI+  
13.06 303.9597  
974060 1.243e+007





Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

Time: 23:00:55

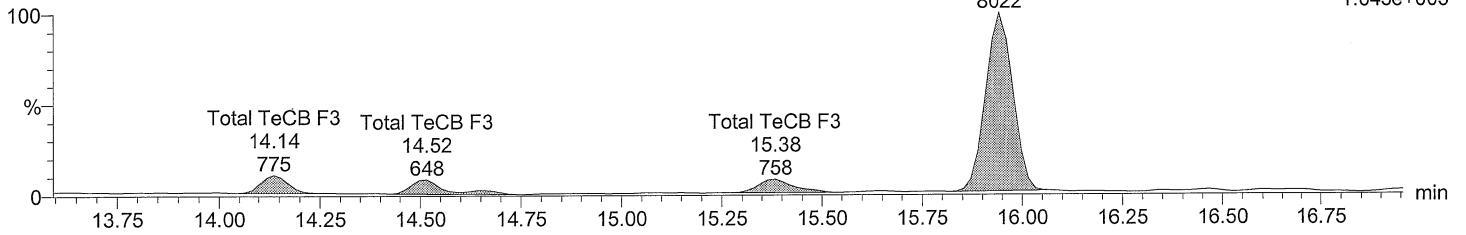
Instrument: Autospec-UltimaE

Total TeCB F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

Total TeCB F3  
15.94  
8022

F3:SIR of 14 channels,EI+  
289.9224  
1.043e+005

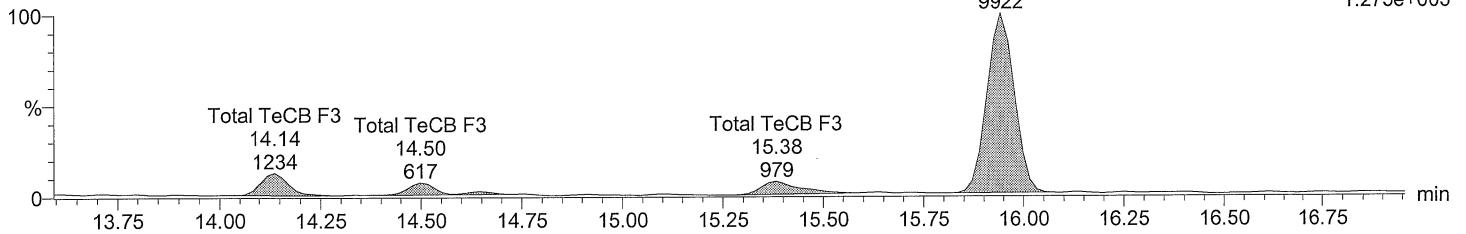


Total TeCB F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

Total TeCB F3  
15.94  
9922

F3:SIR of 14 channels,EI+  
291.9194  
1.275e+005

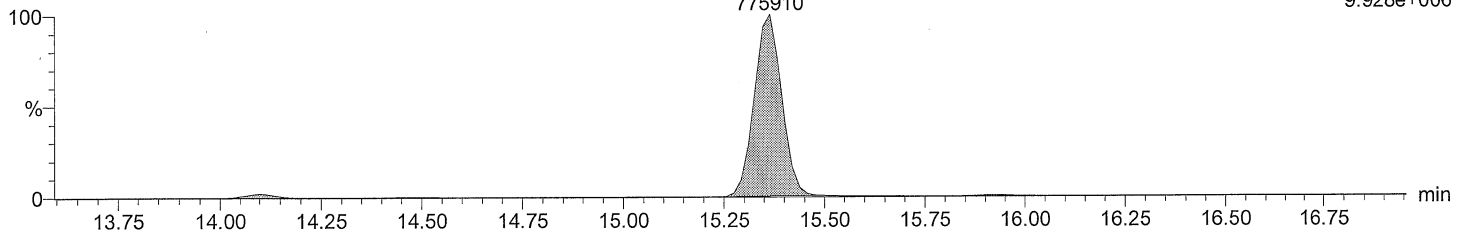


Total TeCB labeled F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 52L  
15.36  
775910

F3:SIR of 14 channels,EI+  
301.9626  
9.928e+006

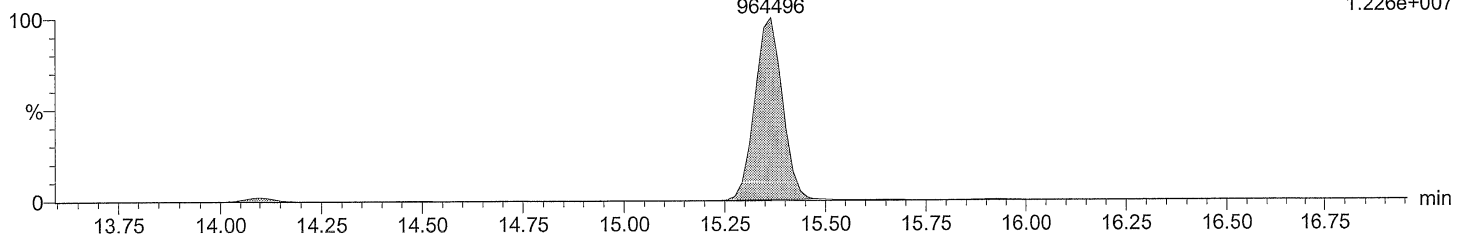


Total TeCB labeled F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 52L  
15.36  
964496

F3:SIR of 14 channels,EI+  
303.9597  
1.226e+007



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

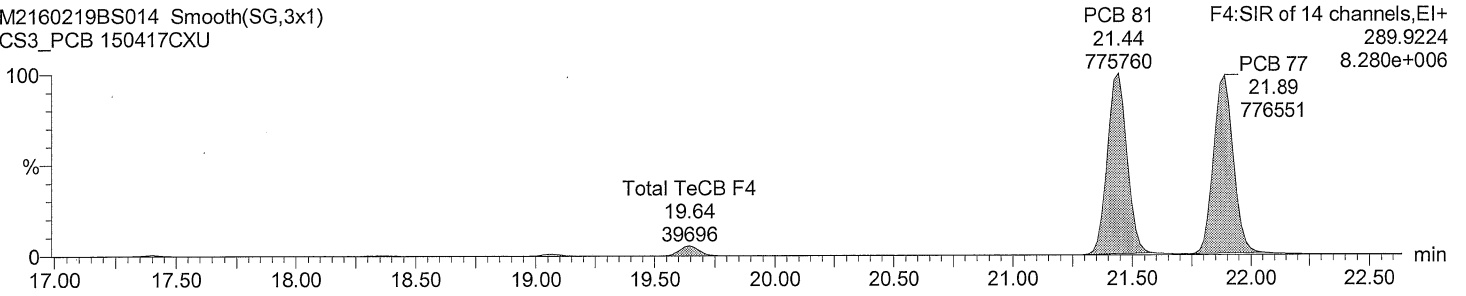
Date: 19-FEB-2016

Time: 23:00:55

Instrument: Autospec-UltimaE

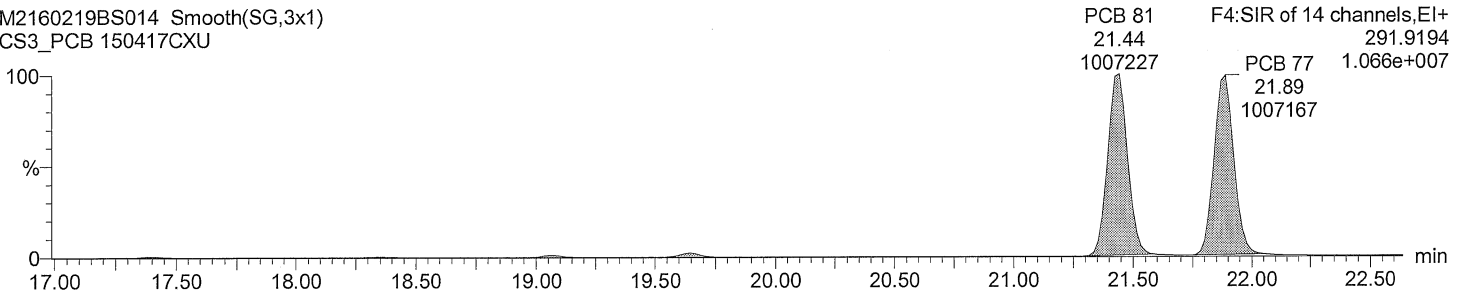
Total TeCB F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



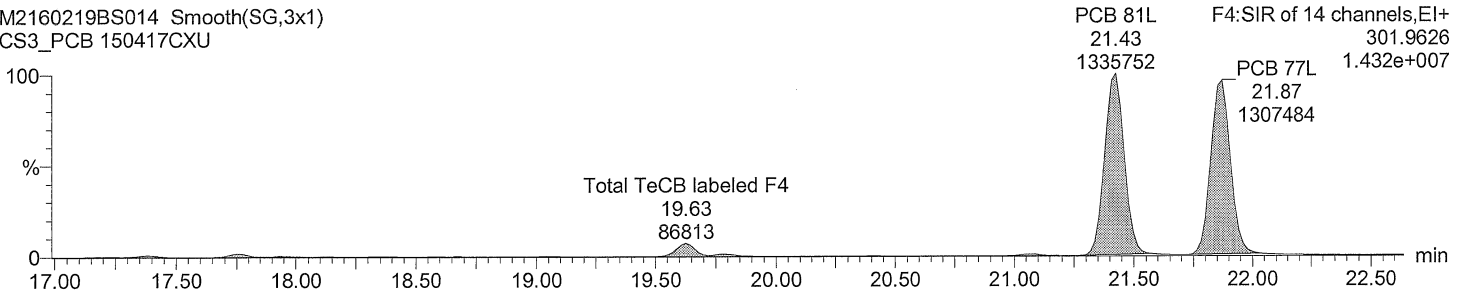
Total TeCB F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



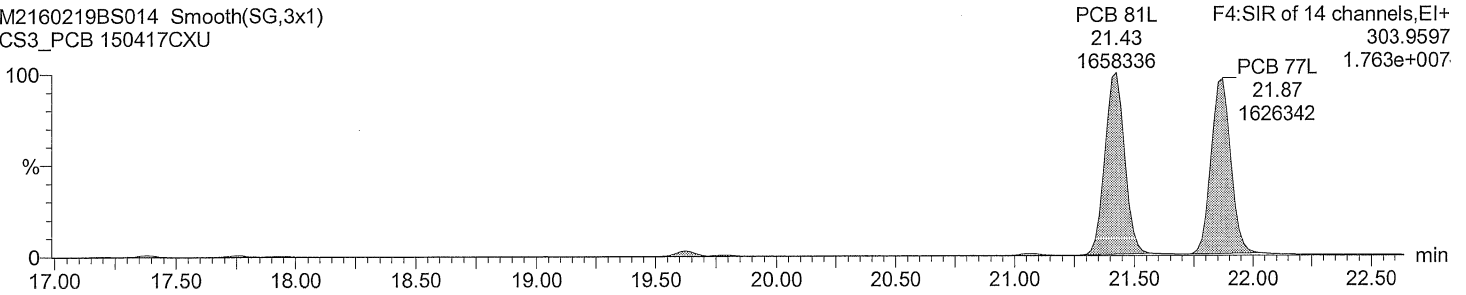
Total TeCB labeled F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Total TeCB labeled F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

Time: 23:00:55

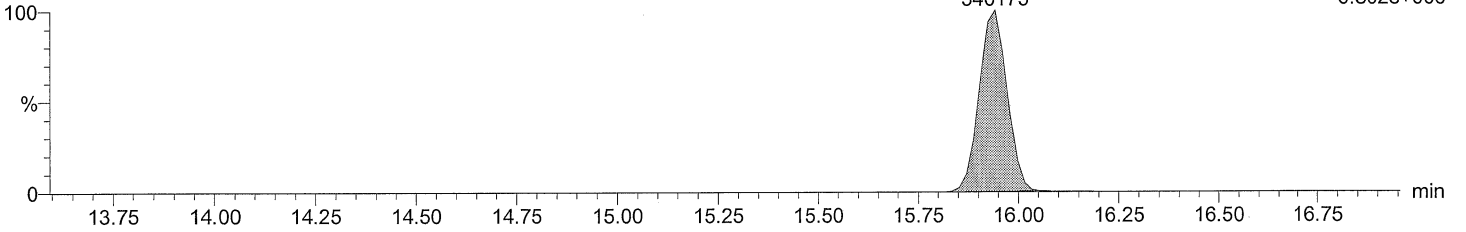
Instrument: Autospec-UltimaE

Total PeCB F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 104  
15.94  
540175

F3:SIR of 14 channels,EI+  
325.8805  
6.802e+006

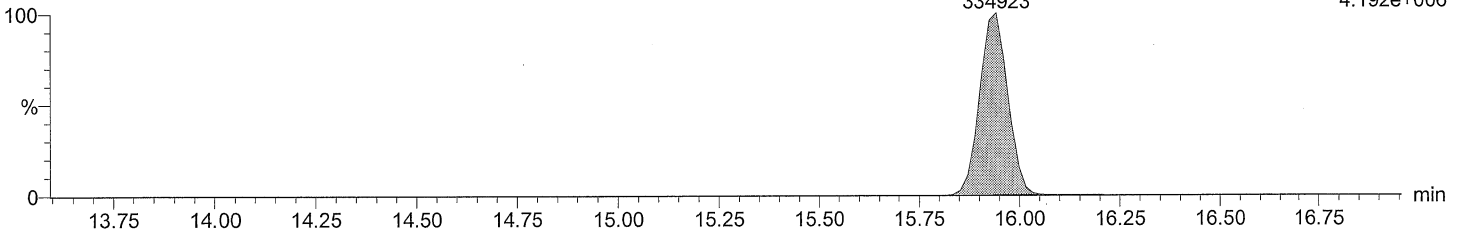


Total PeCB F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 104  
15.94  
334923

F3:SIR of 14 channels,EI+  
327.8775  
4.192e+006

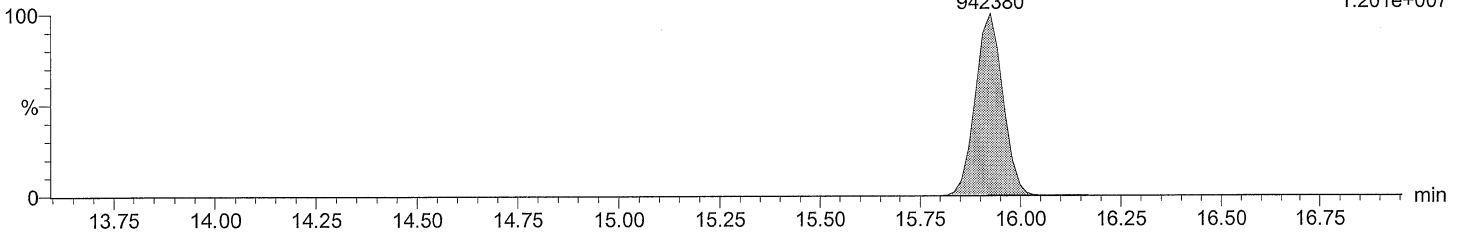


Total PeCB labeled F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 104L  
15.93  
942380

F3:SIR of 14 channels,EI+  
337.9207  
1.201e+007

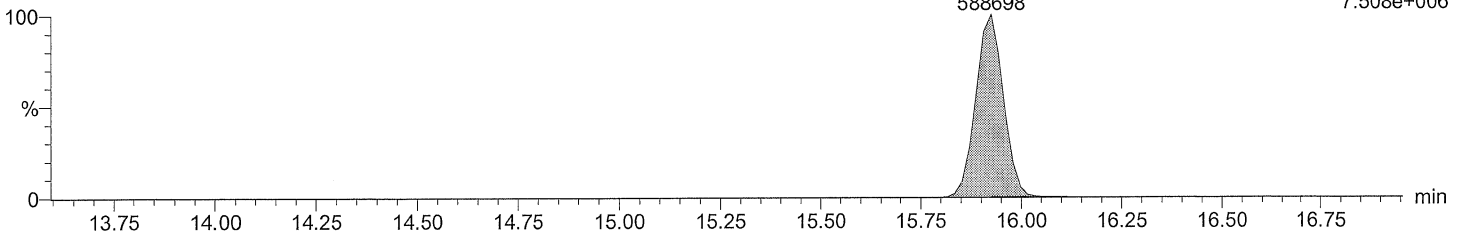


Total PeCB labeled F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 104L  
15.93  
588698

F3:SIR of 14 channels,EI+  
339.9178  
7.508e+006



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

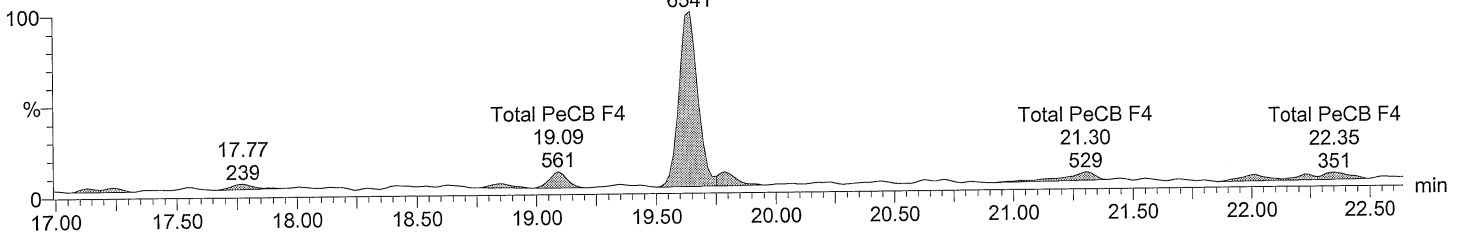
Time: 23:00:55

Instrument: Autospec-UltimaE

Total PeCB F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

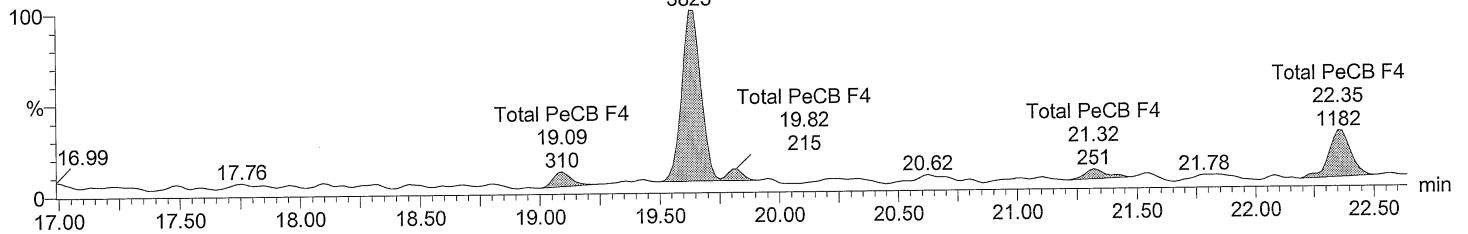
F4:SIR of 14 channels,EI+  
325.8805  
7.489e+004



Total PeCB F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

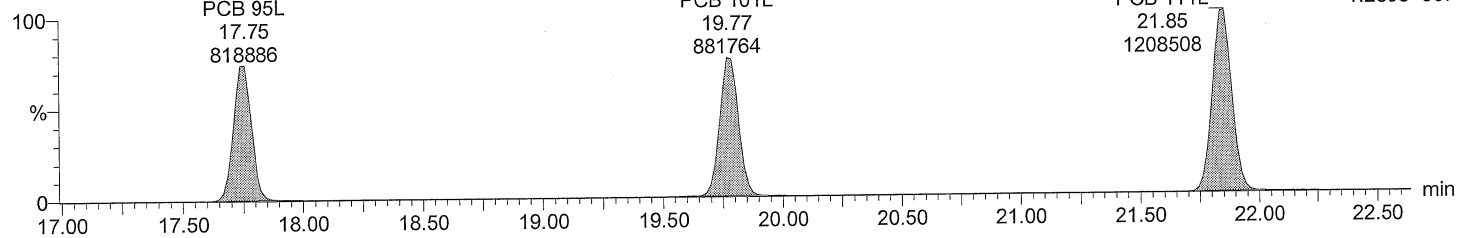
F4:SIR of 14 channels,EI+  
327.8775  
4.378e+004



Total PeCB labeled F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

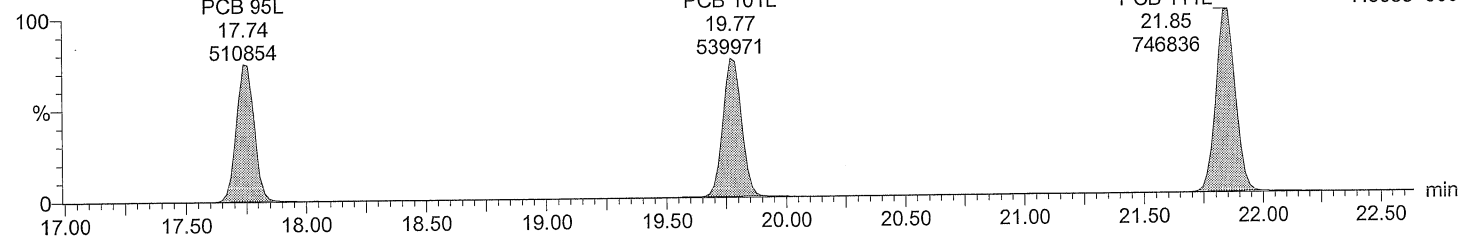
F4:SIR of 14 channels,EI+  
337.9207  
1.285e+007



Total PeCB labeled F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F4:SIR of 14 channels,EI+  
339.9178  
7.958e+006

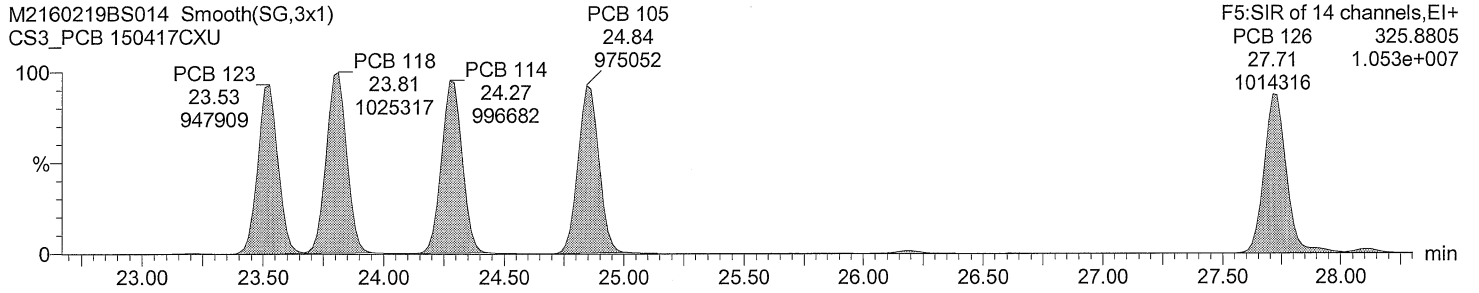


Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

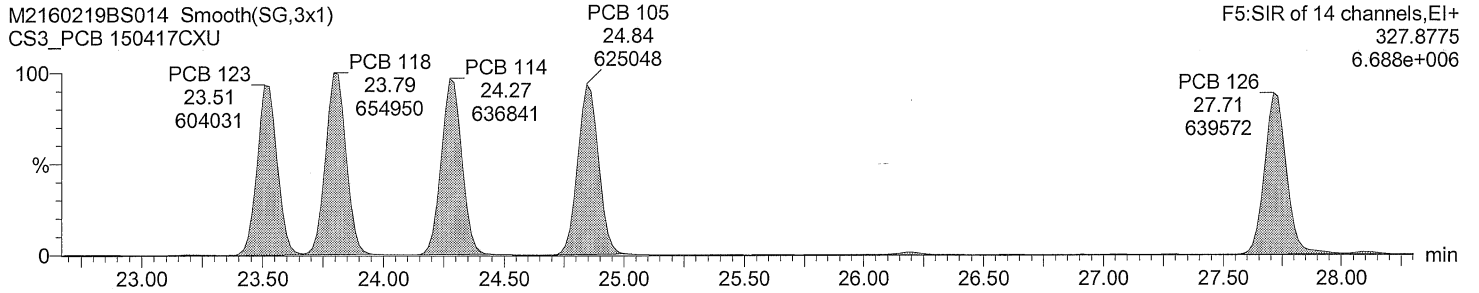
Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time  
Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 14  
Date: 19-FEB-2016  
Time: 23:00:55  
Instrument: Autospec-UltimaE

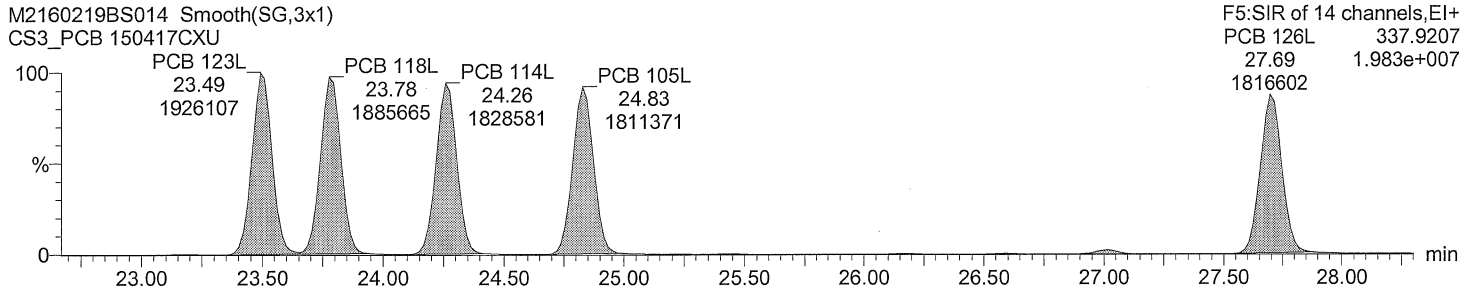
Total PeCB F5



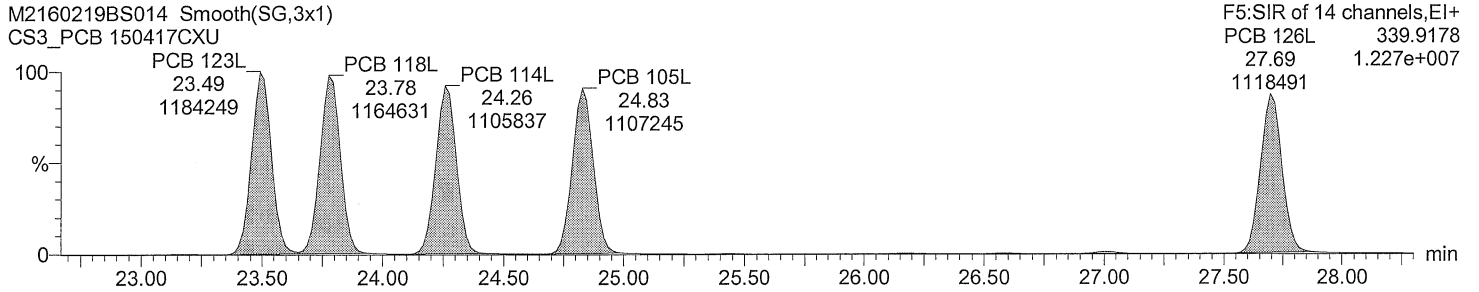
Total PeCB F5



Total PeCB labeled F5



Total PeCB labeled F5



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLDIM2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

**Description: CS3\_PCB 150417CXU**

**Vial: 14**

**Date: 19-FEB-2016**

**Time: 23:00:55**

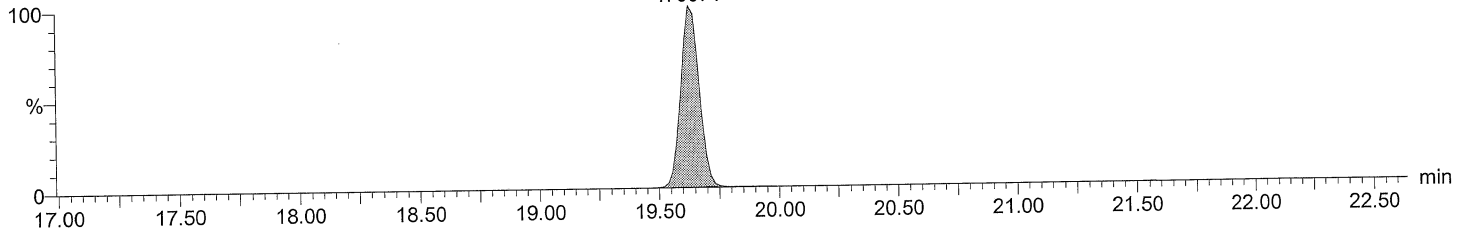
**Instrument: Autospec-UltimaE**

**Total HxCB F4**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 155  
19.63  
470071

F4:SIR of 14 channels, EI+  
359.8415  
5.376e+006

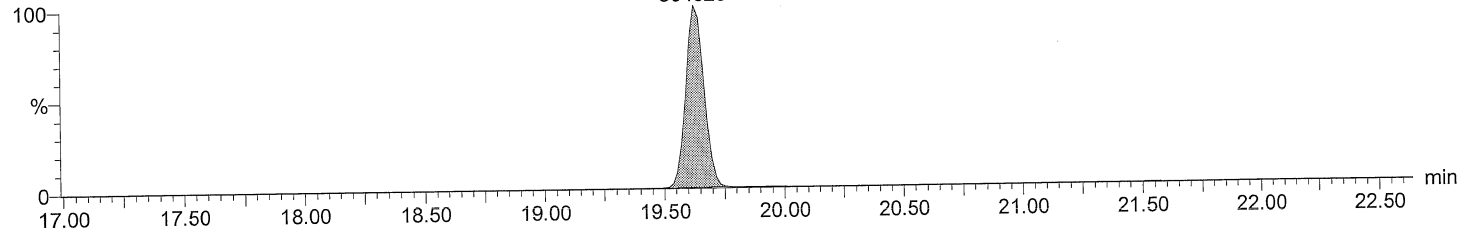


**Total HxCB F4**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 155  
19.63  
364523

F4:SIR of 14 channels, EI+  
361.8385  
4.207e+006

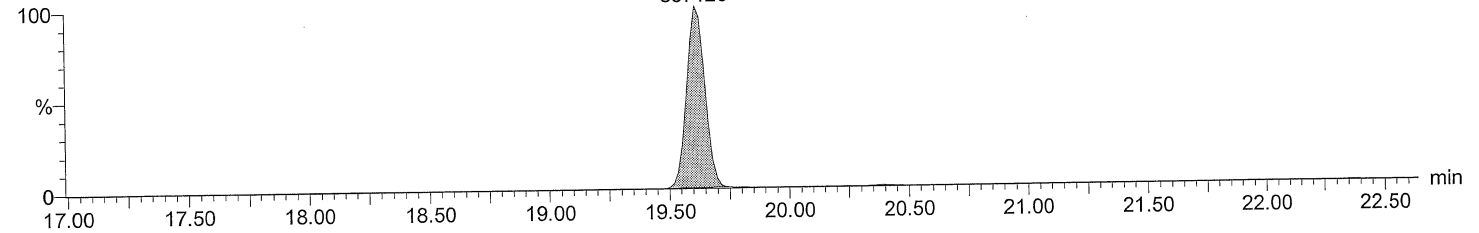


**Total HxCB labeled F4**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 155L  
19.61  
887126

F4:SIR of 14 channels, EI+  
371.8817  
1.020e+007

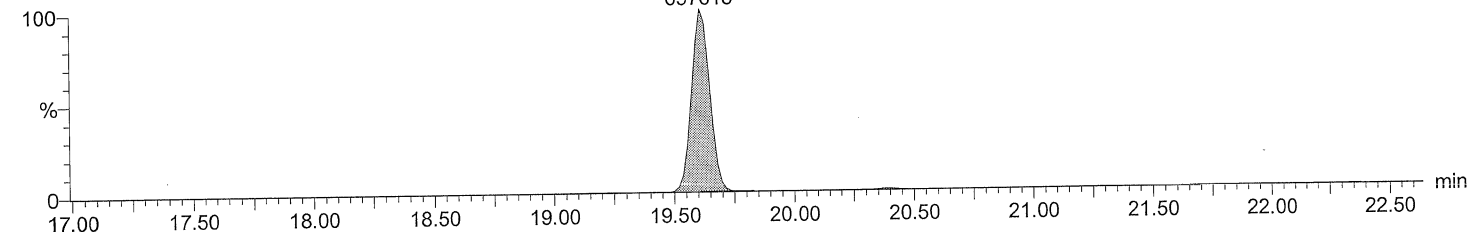


**Total HxCB labeled F4**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 155L  
19.61  
697615

F4:SIR of 14 channels, EI+  
373.8788  
8.049e+006



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

**Description: CS3\_PCB 150417CXU**

Vial: 14

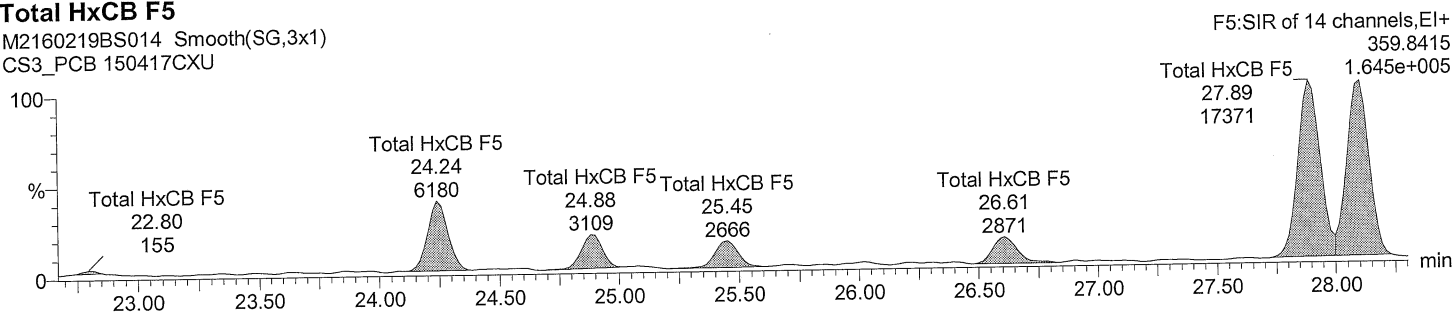
Date: 19-FEB-2016

Time: 23:00:55

Instrument: Autospec-UltimaE

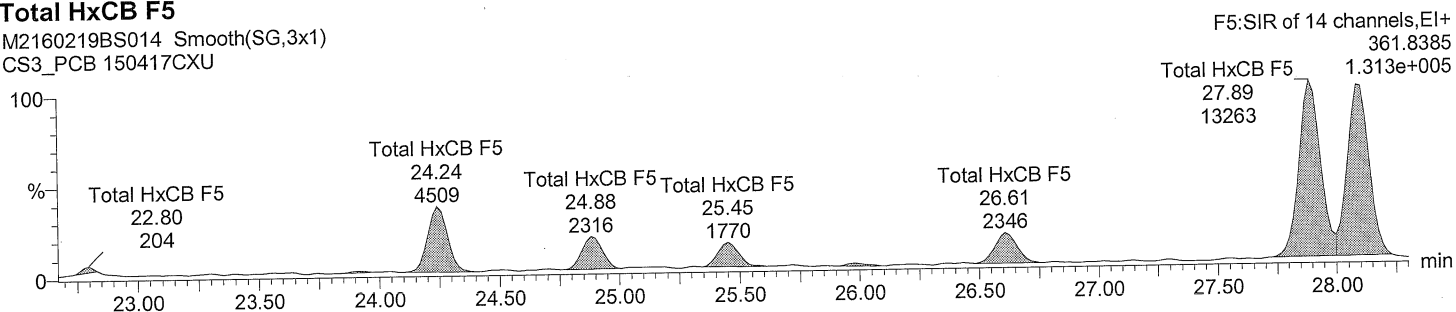
**Total HxCB F5**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



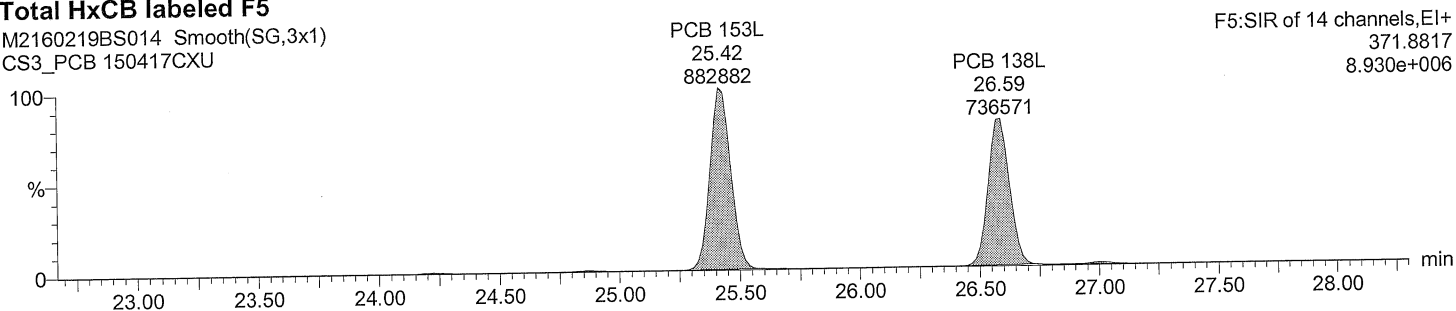
**Total HxCB F5**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



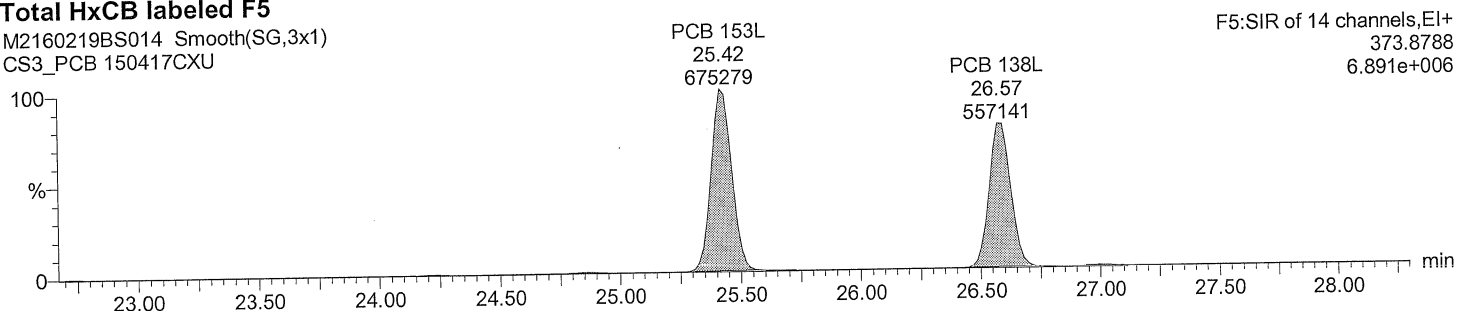
**Total HxCB labeled F5**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



**Total HxCB labeled F5**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLDM2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

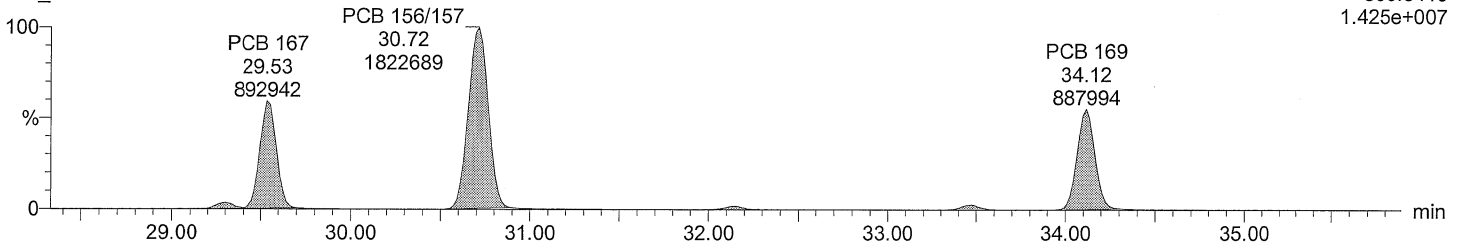
Time: 23:00:55

Instrument: Autospec-UltimaE

Total HxCB F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

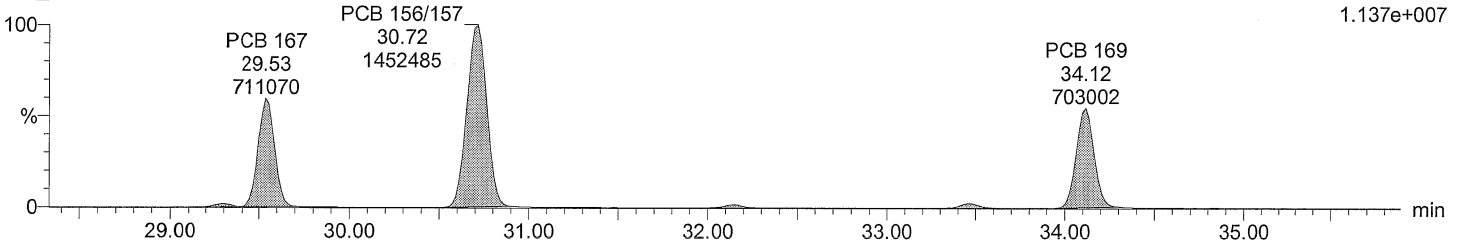
F6:SIR of 14 channels,EI+  
359.8415  
1.425e+007



Total HxCB F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

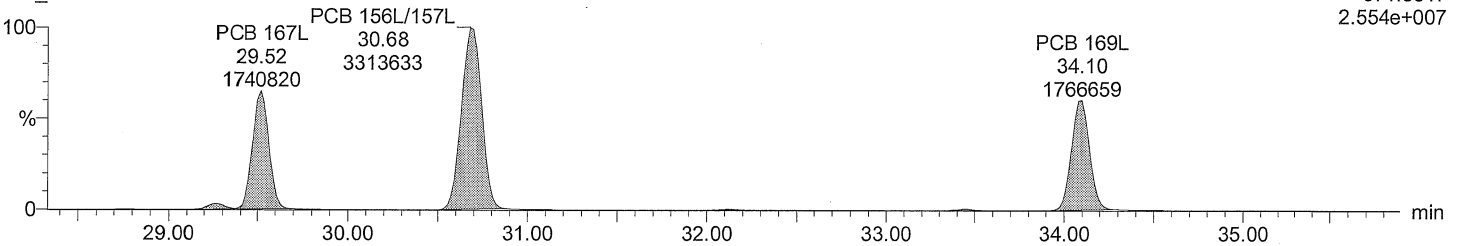
F6:SIR of 14 channels,EI+  
361.8385  
1.137e+007



Total HxCB labeled F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

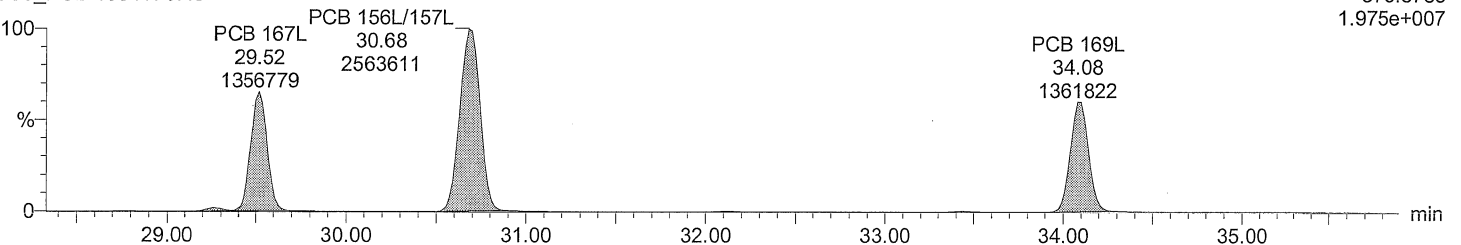
F6:SIR of 14 channels,EI+  
371.8817  
2.554e+007



Total HxCB labeled F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F6:SIR of 14 channels,EI+  
373.8788  
1.975e+007





Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

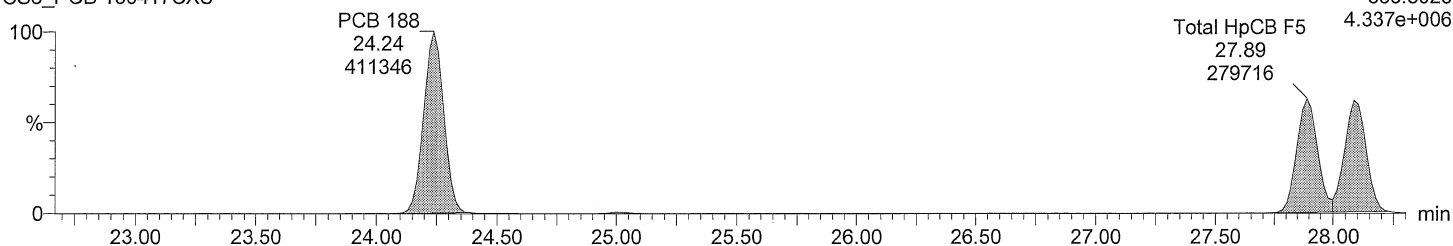
Time: 23:00:55

Instrument: Autospec-UltimaE

Total HpCB F5

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

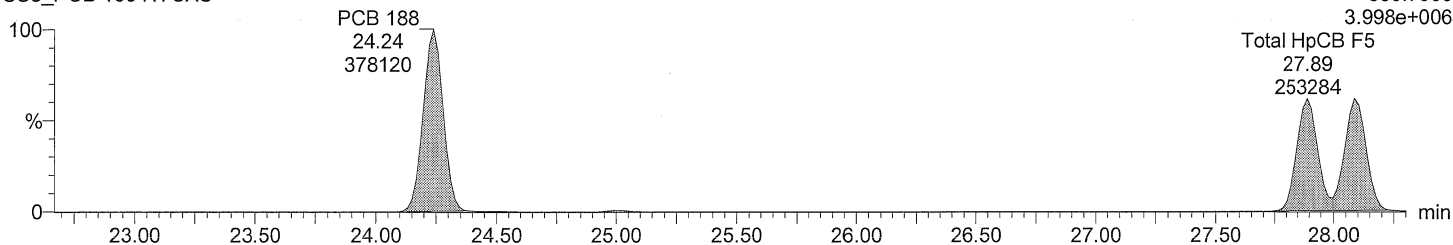
F5:SIR of 14 channels,EI+  
393.8025  
Total HpCB F5 4.337e+006  
27.89  
279716



Total HpCB F5

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

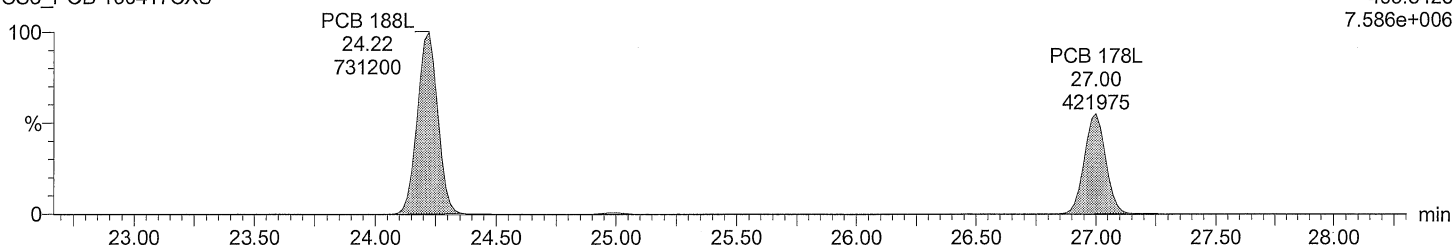
F5:SIR of 14 channels,EI+  
395.7995  
Total HpCB F5 3.998e+006  
27.89  
253284



Total HpCB labeled F5

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

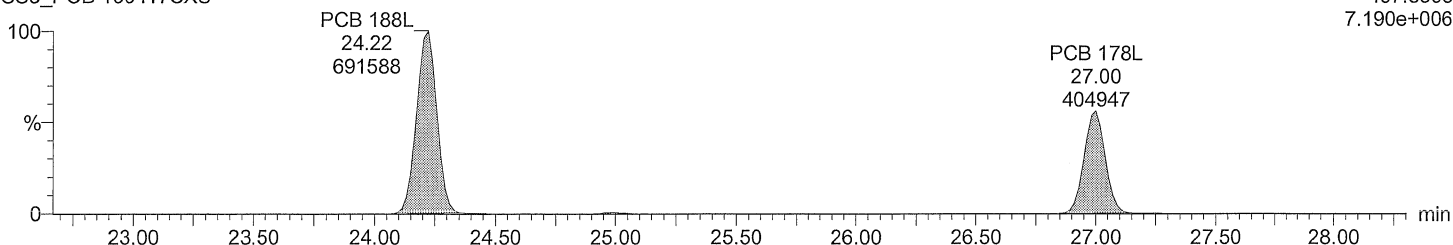
F5:SIR of 14 channels,EI+  
405.8428  
7.586e+006



Total HpCB labeled F5

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F5:SIR of 14 channels,EI+  
407.8398  
7.190e+006



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

**Description: CS3\_PCB 150417CXU**

**Vial: 14**

**Date: 19-FEB-2016**

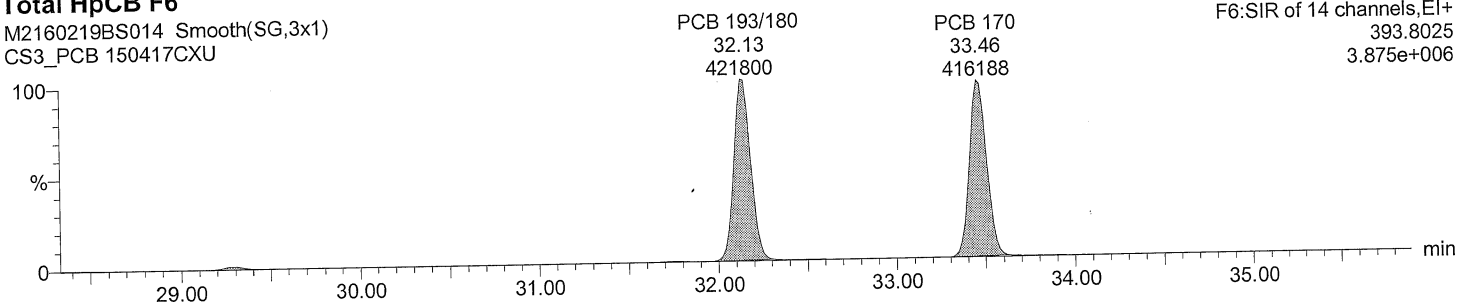
**Time: 23:00:55**

**Instrument: Autospec-UltimaE**

**Total HpCB F6**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

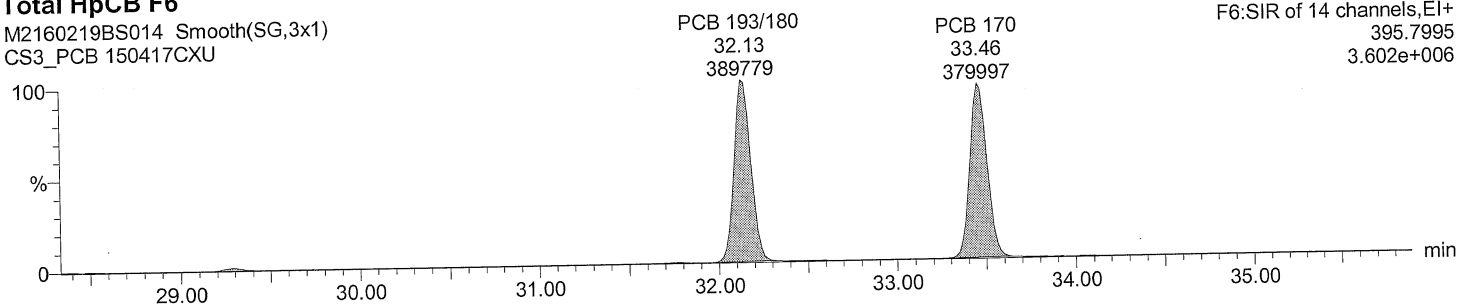
F6:SIR of 14 channels,EI+  
393.8025  
3.875e+006



**Total HpCB F6**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

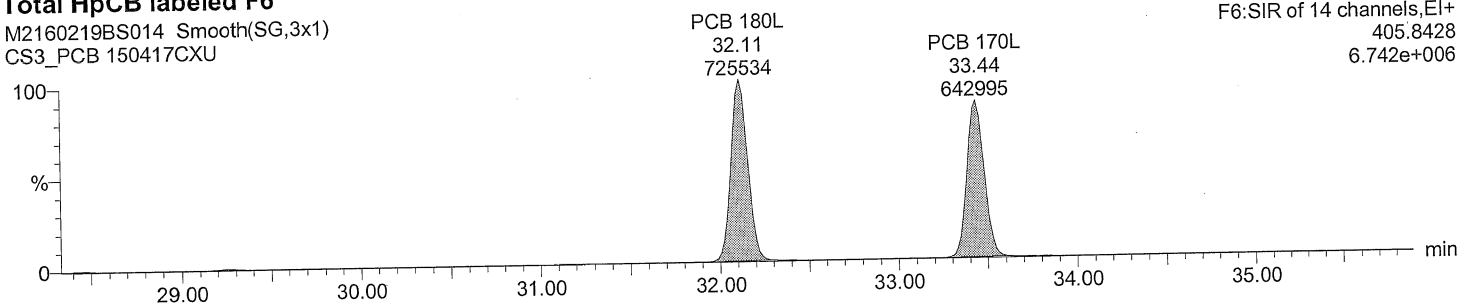
F6:SIR of 14 channels,EI+  
395.7995  
3.602e+006



**Total HpCB labeled F6**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

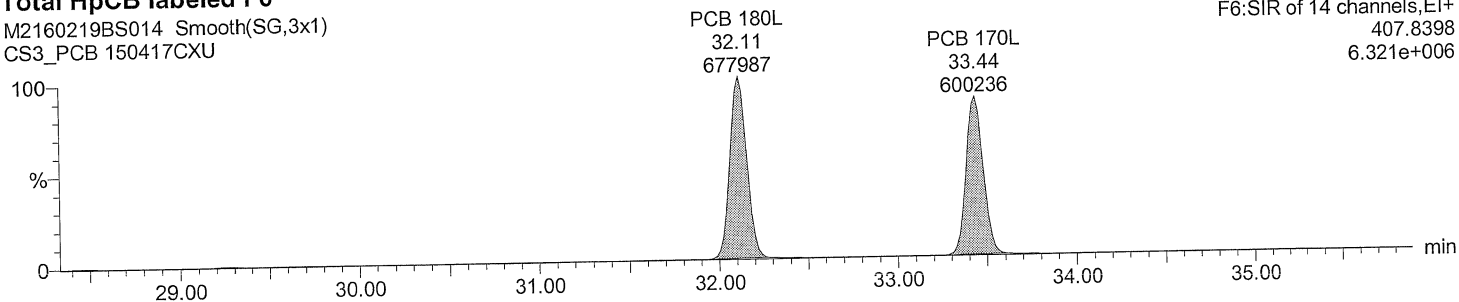
F6:SIR of 14 channels,EI+  
405.8428  
6.742e+006



**Total HpCB labeled F6**

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F6:SIR of 14 channels,EI+  
407.8398  
6.321e+006



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

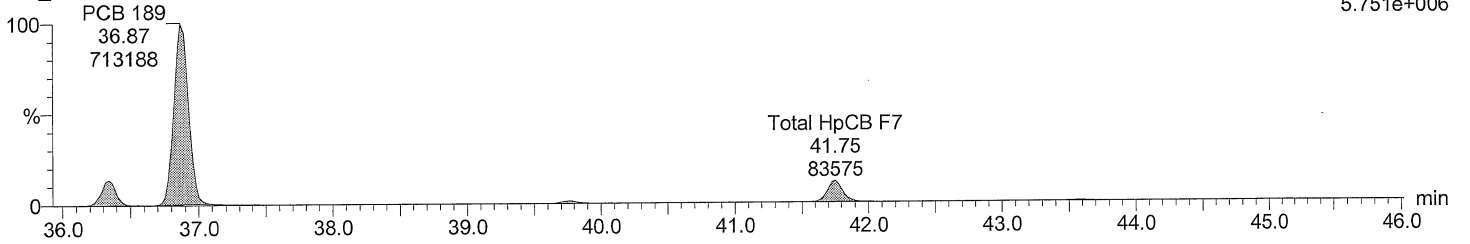
Time: 23:00:55

Instrument: Autospec-UltimaE

Total HpCB F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

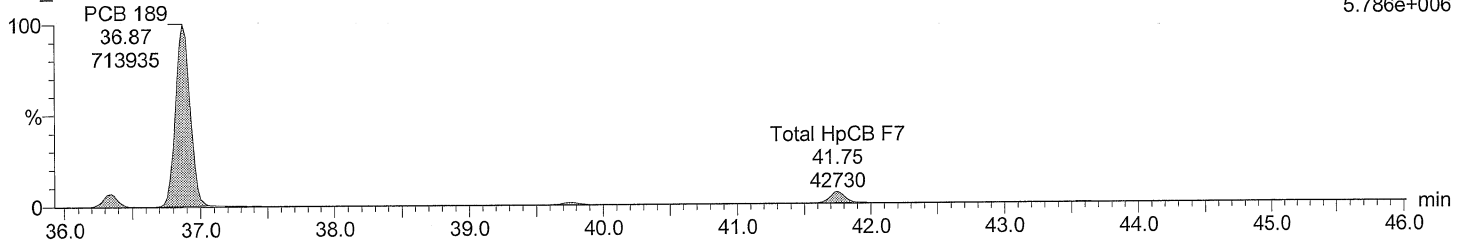
F7:SIR of 18 channels,EI+  
393.8025  
5.751e+006



Total HpCB F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

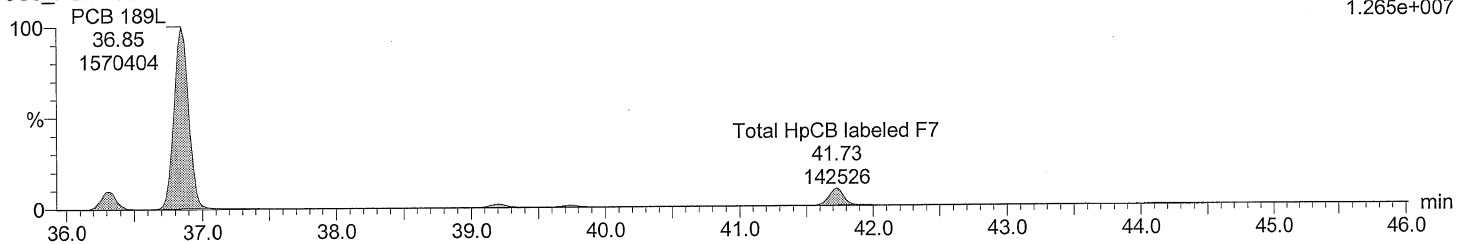
F7:SIR of 18 channels,EI+  
395.7995  
5.786e+006



Total HpCB labeled F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

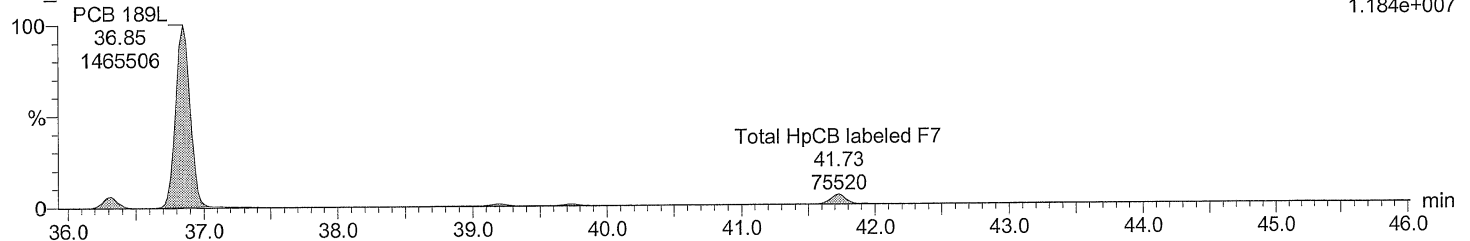
F7:SIR of 18 channels,EI+  
405.8428  
1.265e+007



Total HpCB labeled F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F7:SIR of 18 channels,EI+  
407.8398  
1.184e+007



Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

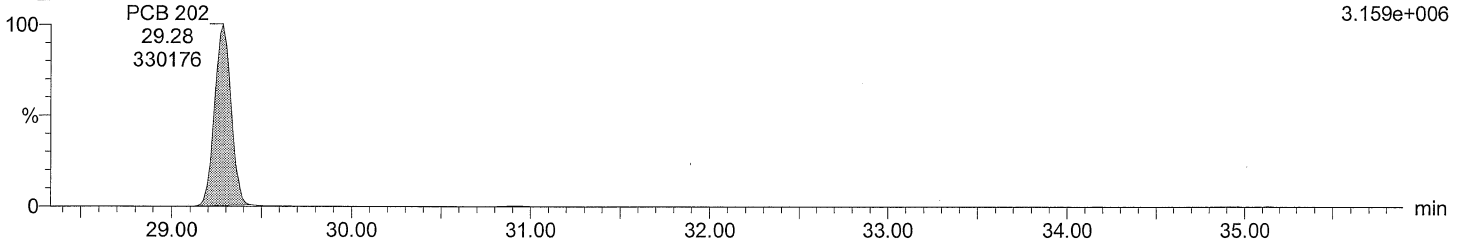
Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time  
Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 14  
Date: 19-FEB-2016  
Time: 23:00:55  
Instrument: Autospec-UltimaE

Total OcCB F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

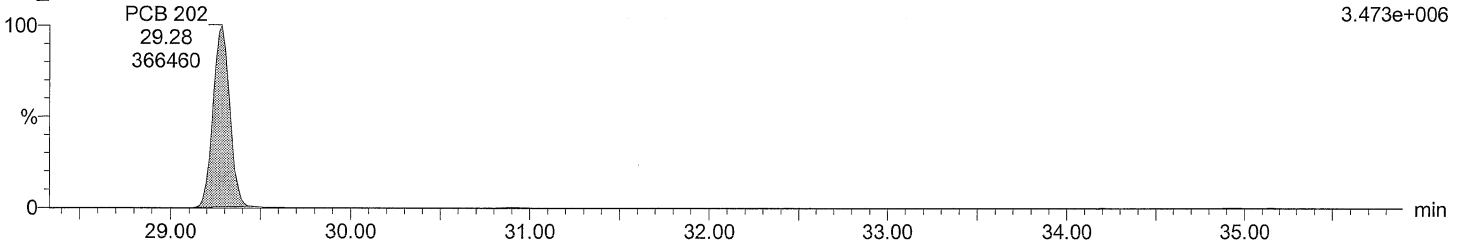
F6:SIR of 14 channels,EI+  
427.7635  
3.159e+006



Total OcCB F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

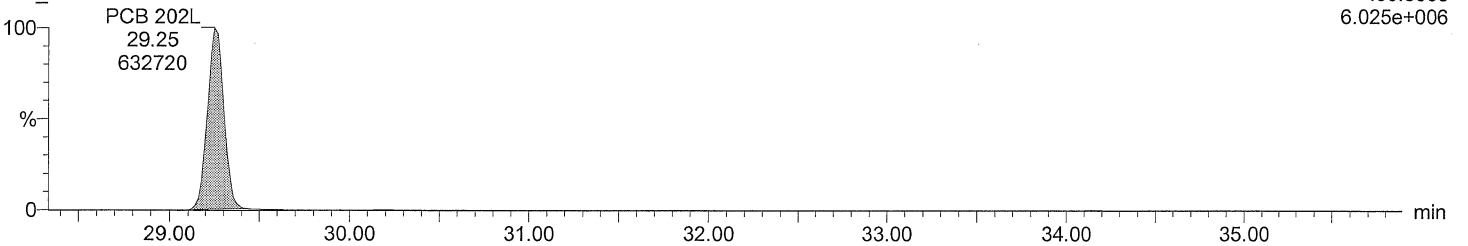
F6:SIR of 14 channels,EI+  
429.7606  
3.473e+006



Total OcCB labeled F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

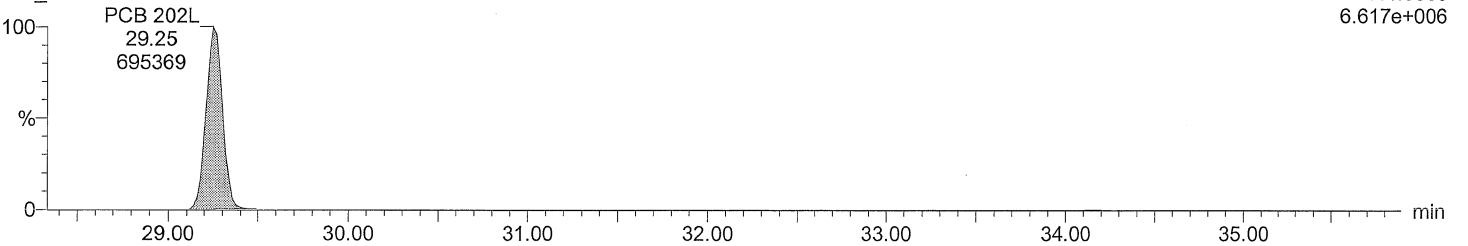
F6:SIR of 14 channels,EI+  
439.8038  
6.025e+006



Total OcCB labeled F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F6:SIR of 14 channels,EI+  
441.8008  
6.617e+006



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

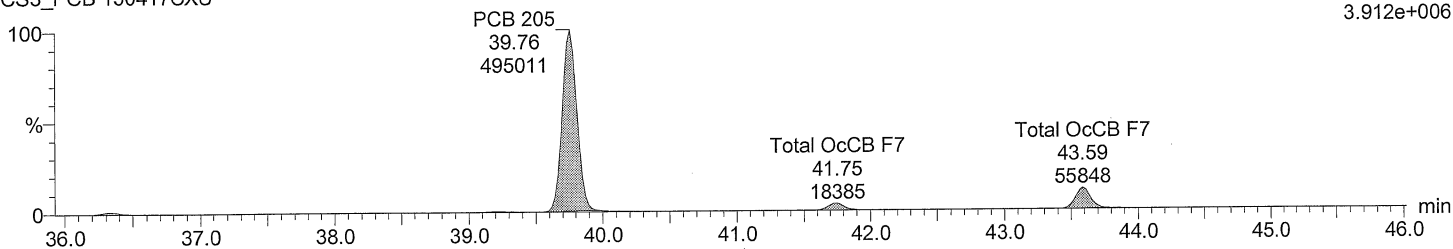
Time: 23:00:55

Instrument: Autospec-UltimaE

Total OcCB F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

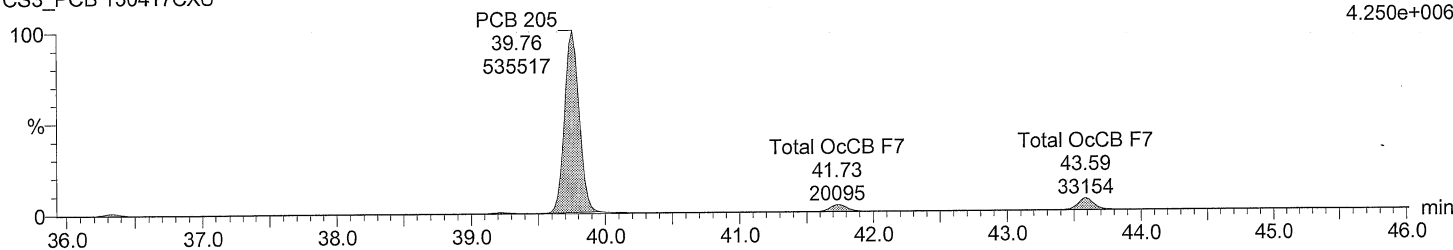
F7:SIR of 18 channels,EI+  
427.7635  
3.912e+006



Total OcCB F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

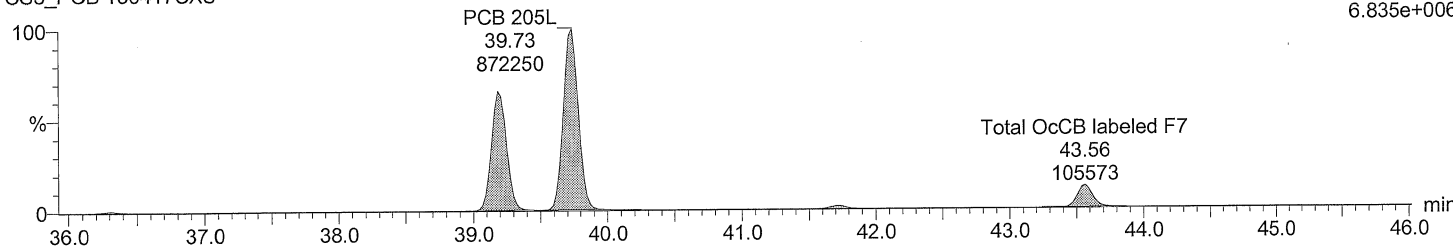
F7:SIR of 18 channels,EI+  
429.7606  
4.250e+006



Total OcCB labeled F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

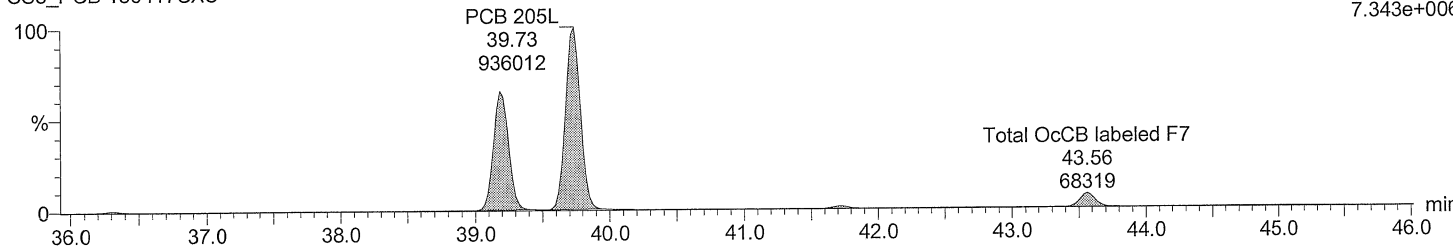
F7:SIR of 18 channels,EI+  
439.8038  
6.835e+006



Total OcCB labeled F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F7:SIR of 18 channels,EI+  
441.8008  
7.343e+006



Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

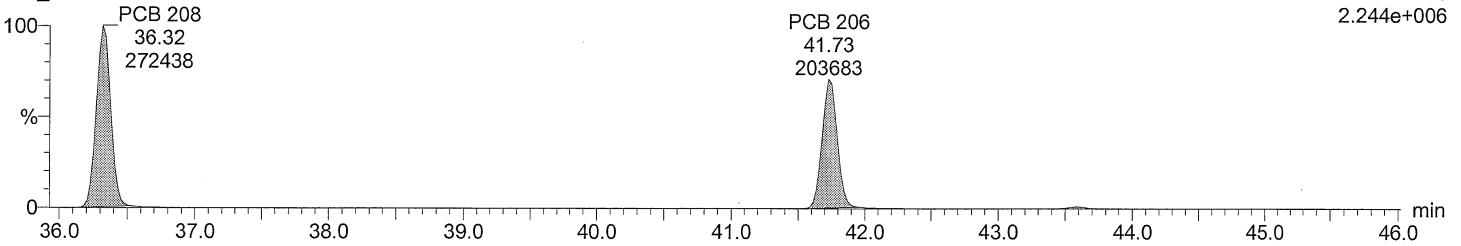
Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time  
Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 14  
Date: 19-FEB-2016  
Time: 23:00:55  
Instrument: Autospec-UltimaE

Total NoCB F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

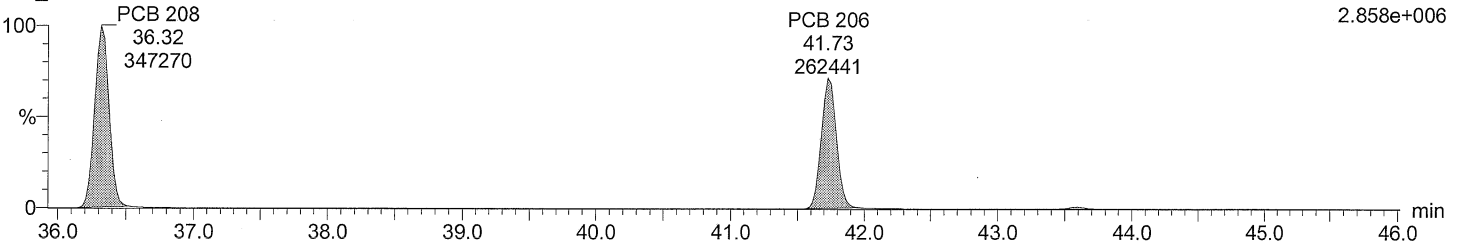
F7:SIR of 18 channels,EI+  
461.7246  
2.244e+006



Total NoCB F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

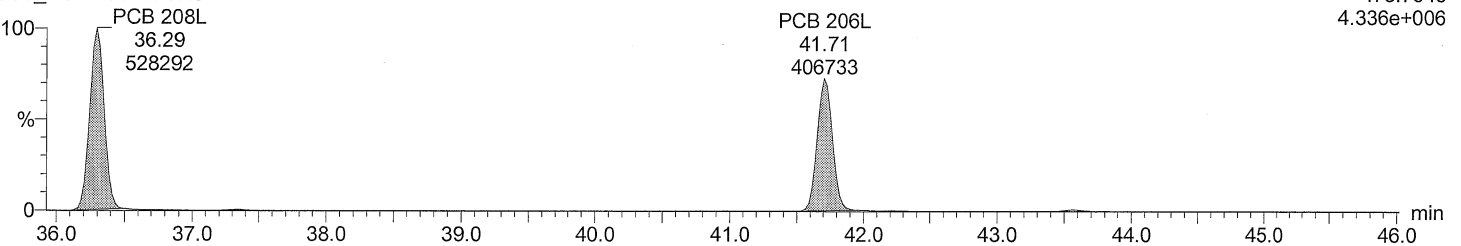
F7:SIR of 18 channels,EI+  
463.7216  
2.858e+006



Total NoCB labeled F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

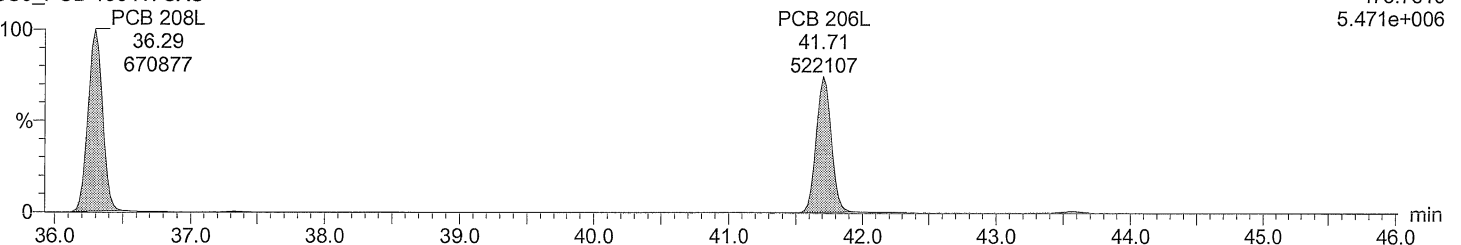
F7:SIR of 18 channels,EI+  
473.7648  
4.336e+006



Total NoCB labeled F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F7:SIR of 18 channels,EI+  
475.7619  
5.471e+006



Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

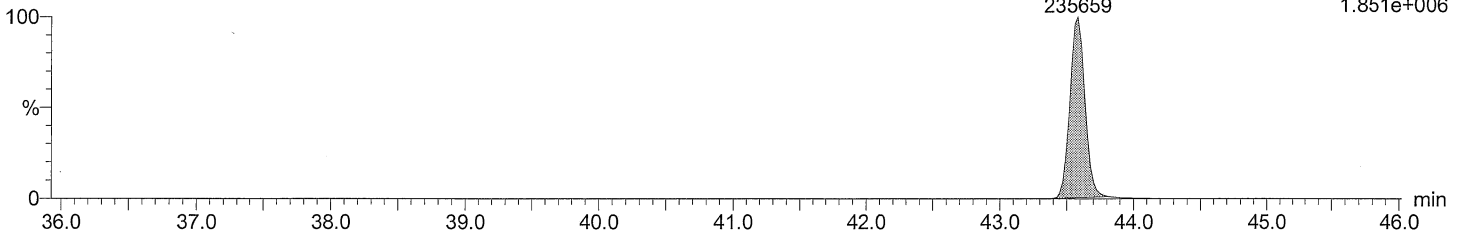
Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time  
Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 14  
Date: 19-FEB-2016  
Time: 23:00:55  
Instrument: Autospec-UltimaE

Total DeCB F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

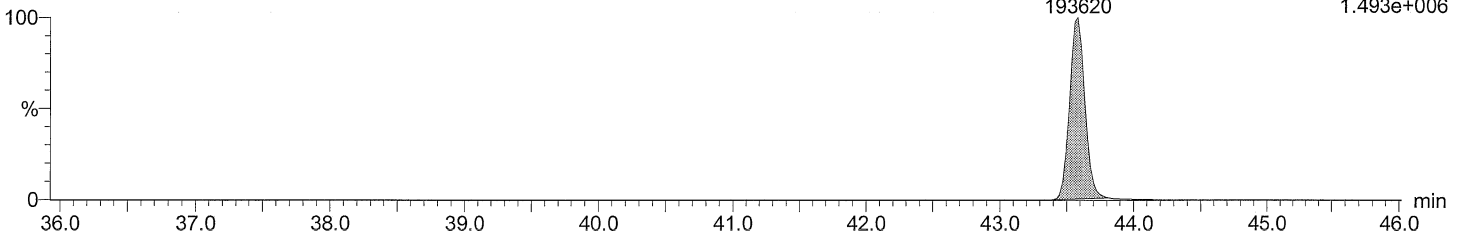
PCB 209 F7:SIR of 18 channels,EI+  
43.59 497.6826  
235659 1.851e+006



Total DeCB F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

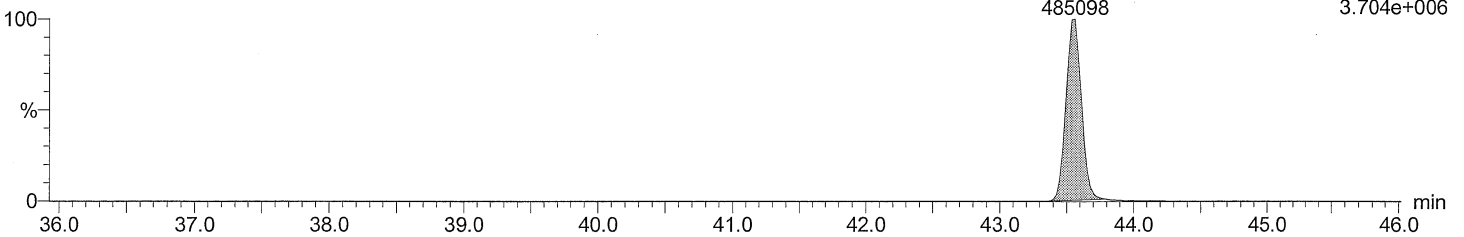
PCB 209 F7:SIR of 18 channels,EI+  
43.59 499.6797  
193620 1.493e+006



Total DeCB labeled F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

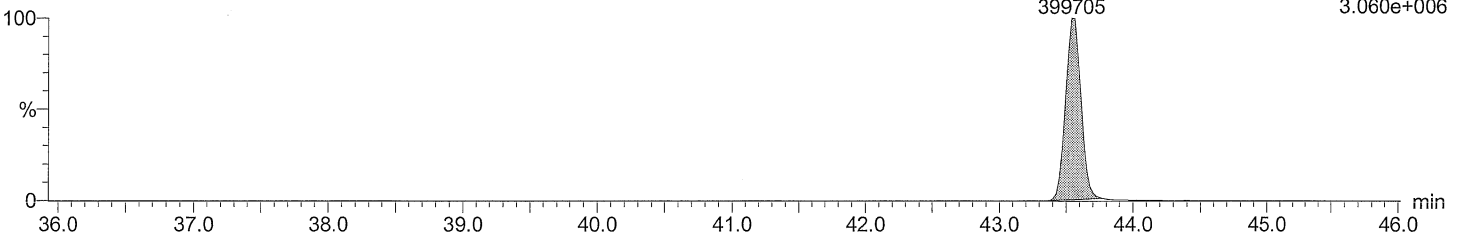
PCB 209L F7:SIR of 18 channels,EI+  
43.56 509.7229  
485098 3.704e+006



Total DeCB labeled F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 209L F7:SIR of 18 channels,EI+  
43.54 511.7199  
399705 3.060e+006



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

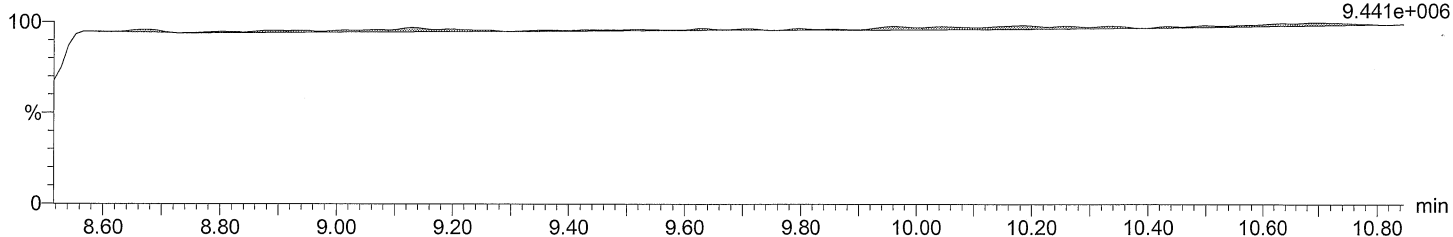
Time: 23:00:55

Instrument: Autospec-UltimaE

lockmass F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

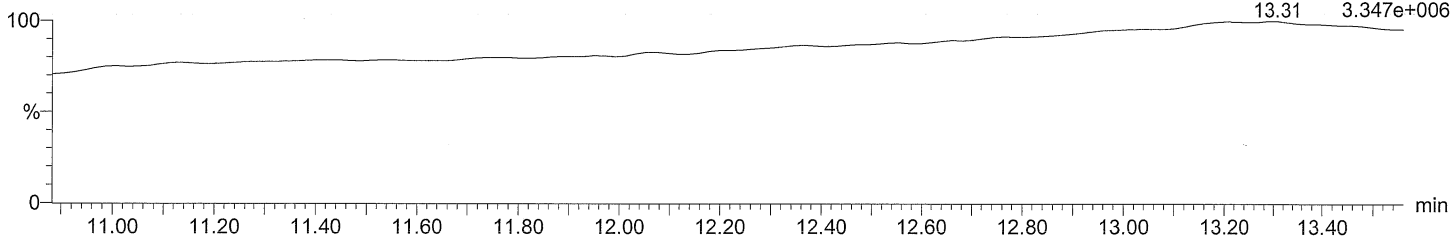
F1:SIR of 10 channels,EI+  
218.9856  
9.441e+006



lockmass F2

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

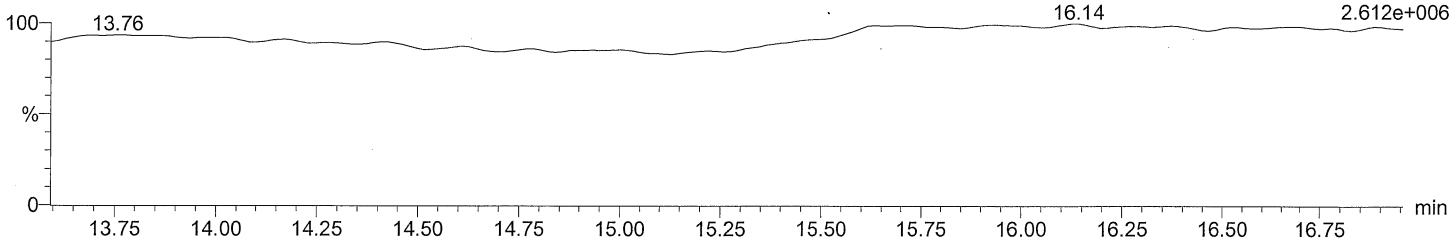
F2:SIR of 16 channels,EI+  
242.9856  
13.31 3.347e+006



lockmass F3

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

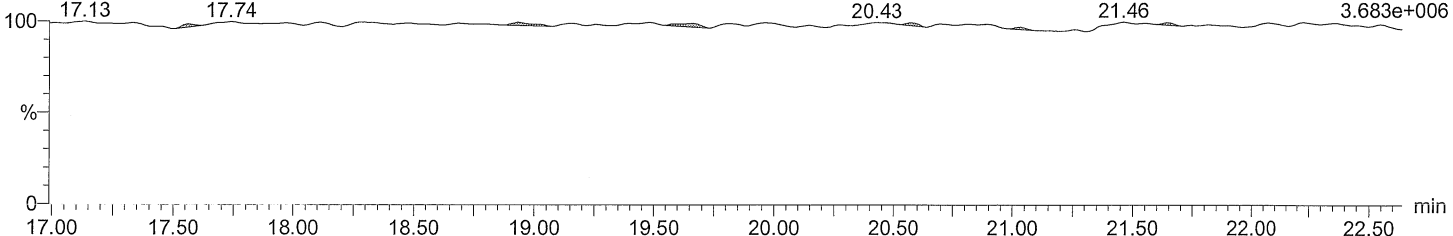
F3:SIR of 14 channels,EI+  
292.9824  
16.14 2.612e+006



lockmass F4

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F4:SIR of 14 channels,EI+  
330.9792  
17.13 17.74 20.43 21.46 3.683e+006





Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

Time: 23:00:55

Instrument: Autospec-UltimaE

lockmass F5

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

lockmass F5

lockmass F5 lockmass F5

F5:SIR of 14 channels,EI+

25.72

26.48

27.00

354.9792

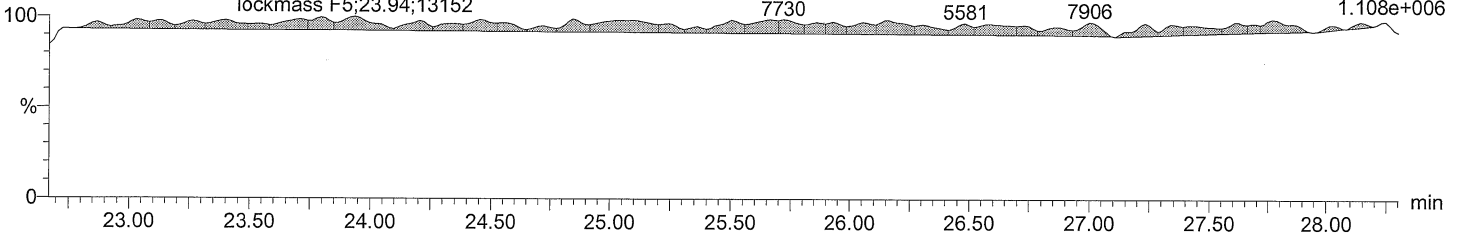
7730

5581

7906

1.108e+006

lockmass F5;23.94;13152



lockmass F6

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

lockmass F6

lockmass F6 lockmass F6

F6:SIR of 14 channels,EI+

32.15

33.65

34.31

404.9760

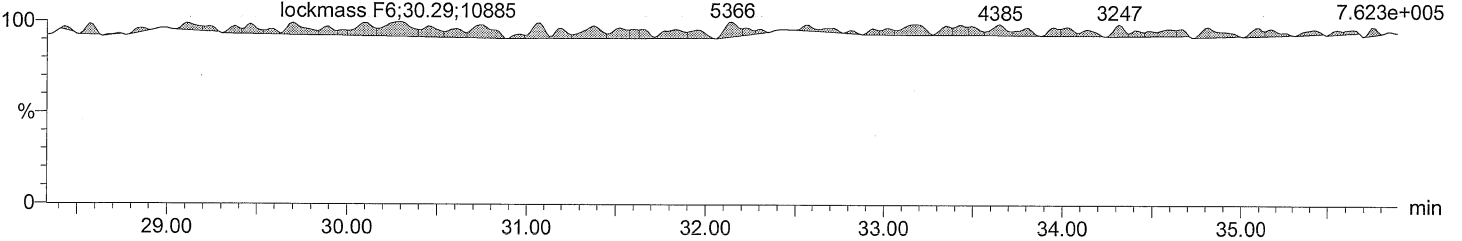
5366

4385

3247

7.623e+005

lockmass F6;30.29;10885



lockmass F7

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

lockmass F7

lockmass F7 lockmass F7

F7:SIR of 18 channels,EI+

41.82

42.83

43.72

454.9728

7993

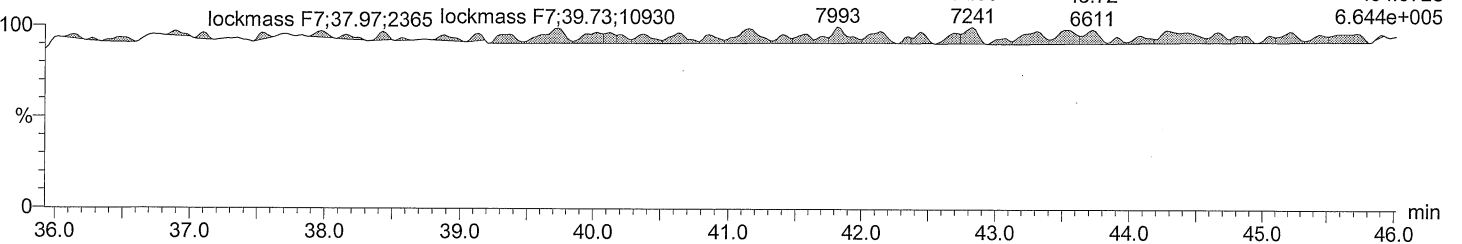
7241

6611

6.644e+005

lockmass F7;37.97;2365

lockmass F7;39.73;10930



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Date	Time	Event	RT	Details	Comments
21-Feb-16	16:30:25	Process Integrate			
21-Feb-16	16:30:25	Process Quantify			
21-Feb-16	16:30:25	Dataset Created			
21-Feb-16	16:30:51	Dataset Saved		Saved to 'C:\MassLynx\Default.pro\QLD\M21602...	

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:49 PM Eastern Standard Time

Method: C:\MassLynx\Default.pro\Methdb\EPA 1668\_M2160219.mdb 21 Feb 2016 16:35:56

Calibration: 21 Feb 2016 16:43:25

ID:

Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

Description: 209MIX\_PCB 150822CXU

#	Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
1	PCB 1	9.00	1.000	860336	269973	3.19	YES	bb	26.525	6.1	106	165	1.148
2	PCB 2	10.10	0.991	946011	297033	3.18	YES	bd	25.000	0.0	100		1.248
3	PCB 3	10.20	1.001	878662	279797	3.14	YES	dd	26.652	6.6	107	166	1.150
4	PCB 4	10.31	1.001	397388	252183	1.58	YES	bd	28.022	12.1	112	167	1.069
5	PCB 10	10.39	1.008	682919	428760	1.59	YES	db	25.000	0.0	100		1.177
6	PCB 9	11.21	1.088	799655	482139	1.66	YES	bd	25.000	0.0	100		1.357
7	PCB 7	11.27	1.094	646093	445116	1.45	YES	dd	25.000	0.0	100		1.155
8	PCB 6	11.37	1.104	766737	505705	1.52	YES	dd	25.000	0.0	100		1.347
9	PCB 5	11.52	1.119	657220	446387	1.47	YES	MM	25.000	0.0	100		1.169
10	PCB 8	11.56	1.123	758119	476388	1.59	YES	MM	25.000	0.0	100		1.307
11	PCB 14	12.27	0.948	770668	504971	1.53	YES	bd	25.000	0.0	100		1.351
12	PCB 11	12.65	0.977	759427	496173	1.53	YES	bd	25.000	0.0	100		1.330
13	PCB 13/12	12.80	0.989	1417909	925690	1.53	YES	dd	50.000	0.0	100		1.241
14	PCB 15	12.94	1.000	806772	519834	1.55	YES	db	29.733	18.9	119	168	1.035
15	PCB 19	11.69	1.000	296439	282087	1.05	YES	bb	27.188	8.8	109	169	0.977
16	PCB 30/18	12.50	1.070	845909	814297	1.04	YES	bd	50.000	0.0	100		0.976
17	PCB 17	12.69	1.086	342405	330174	1.04	YES	dd	25.000	0.0	100		0.790
18	PCB 27	12.80	1.095	506145	495562	1.02	YES	MM	25.000	0.0	100		1.177
19	PCB 24	12.86	1.100	406957	399890	1.02	YES	MM	25.000	0.0	100		0.948
20	PCB 16	12.88	1.102	348873	326093	1.07	YES	MM	25.000	0.0	100		0.793
21	PCB 32	13.15	1.125	579875	556430	1.04	YES	db	25.000	0.0	100		1.335
22	PCB 34	13.75	1.176	636385	626589	1.02	YES	bd	25.000	0.0	100		1.484
23	PCB 23	13.84	1.184	619851	610876	1.01	YES	dd	25.000	0.0	100		1.446
24	PCB 26/29	14.00	1.198	1373140	1373469	1.00	YES	dd	50.000	0.0	100		1.614
25	PCB 25	14.11	0.845	746104	730165	1.02	YES	dd	25.000	0.0	100		1.735
26	PCB 31	14.27	0.855	777943	783136	0.99	YES	dd	25.000	0.0	100		1.835
27	PCB 28/20	14.44	0.865	1433921	1439582	1.00	YES	dd	50.000	0.0	100		1.688
28	PCB 21/33	14.54	0.871	1467674	1441259	1.02	YES	dd	50.000	0.0	100		1.709
29	PCB 22	14.76	0.884	684980	675202	1.01	YES	db	25.000	0.0	100		1.599
30	PCB 36	15.61	0.935	793232	787550	1.01	YES	dd	25.000	0.0	100		1.858
31	PCB 39	15.81	0.947	647660	644591	1.00	YES	dd	25.000	0.0	100		1.519
32	PCB 38	16.19	0.970	677262	661860	1.02	YES	dd	25.000	0.0	100		1.574
33	PCB 35	16.44	0.985	645299	642711	1.00	YES	dd	25.000	0.0	100		1.514
34	PCB 37	16.71	1.001	536085	528972	1.01	YES	db	26.494	6.0	106	170	0.960
35	PCB 54	13.09	1.002	652948	839683	0.78	YES	bb	55.555	11.1	111	171	1.012
36	PCB 53/50	14.13	1.081	1201997	1527731	0.79	YES	bb	100.000	0.0	100		0.770
37	PCB 45/51	14.49	1.109	1138951	1434551	0.79	YES	bd	100.000	0.0	100		0.725
38	PCB 46	14.65	1.121	474642	596827	0.80	YES	db	50.000	0.0	100		0.604
39	PCB 52	15.38	1.177	586589	747447	0.78	YES	bd	50.000	0.0	100		0.752
40	PCB 73	15.45	1.182	787929	989123	0.80	YES	dd	50.000	-0.0	100		1.002
41	PCB 43	15.52	1.188	396494	493424	0.80	YES	dd	50.000	0.0	100		0.502
42	PCB 69/49	15.65	1.197	1353154	1704294	0.79	YES	dd	100.000	0.0	100		0.862
43	PCB 48	15.85	1.213	534853	677103	0.79	YES	dd	50.000	0.0	100		0.683
44	PCB 44/47/65	15.99	1.224	1831854	2315263	0.79	YES	dd	150.000	0.0	100		0.779

Quantify Sample Summary Report

MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLDM2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:49 PM Eastern Standard Time

ID:

Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

Description: 209MIX\_PCB 150822CXU

# Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
45 PCB 59/62/75	16.17	1.237	2305500	2924392	0.79	YES	dd	150.000	0.0	100		0.983
46 PCB 42	16.28	1.246	476212	595412	0.80	YES	dd	50.000	0.0	100		0.604
47 PCB 40/41/71	16.57	1.268	1613026	2054117	0.79	YES	dd	150.000	0.0	100		0.689
48 PCB 64	16.71	1.279	702300	893396	0.79	YES	db	50.000	0.0	100		0.900
49 PCB 72	17.21	0.804	970708	1266704	0.77	YES	bd	50.000	0.0	100		1.261
50 PCB 68	17.41	0.813	996285	1306060	0.76	YES	dd	50.000	0.0	100		1.298
51 PCB 57	17.68	0.825	1138815	1480686	0.77	YES	dd	50.000	0.0	100		1.477
52 PCB 58	17.84	0.833	984718	1274390	0.77	YES	dd	50.000	0.0	100		1.274
53 PCB 67	17.96	0.839	1279499	1640811	0.78	YES	dd	50.000	0.0	100		1.647
54 PCB 63	18.14	0.847	1194082	1525324	0.78	YES	dd	50.000	0.0	100		1.533
55 PCB 61/70/74/76	18.35	0.857	4261225	5477876	0.78	YES	dd	200.000	0.0	100		1.373
56 PCB 66	18.59	0.868	1224770	1578996	0.78	YES	dd	50.000	0.0	100		1.581
57 PCB 55	18.71	0.874	957910	1222253	0.78	YES	MM	50.000	0.0	100		1.229
58 PCB 56	19.07	0.890	992924	1278018	0.78	YES	dd	50.000	0.0	100		1.280
59 PCB 60	19.23	0.898	987741	1257646	0.79	YES	dd	50.000	0.0	100		1.266
60 PCB 80	19.48	0.909	1233550	1597667	0.77	YES	dd	50.000	0.0	100		1.596
61 PCB 79	20.63	0.963	1318211	1688758	0.78	YES	dd	50.000	0.0	100		1.695
62 PCB 78	21.08	0.984	1110278	1434719	0.77	YES	ds	50.000	0.0	100		1.435
63 PCB 81	21.44	1.001	1119898	1444034	0.78	YES	MM	64.289	28.6	129	172	1.320
64 PCB 77	21.88	1.001	984236	1280332	0.77	YES	dd	55.210	10.4	110	173	1.189
65 PCB 104	15.94	1.000	751458	474136	1.58	YES	bd	48.543	-2.9	97	174	1.062
66 PCB 96	16.17	1.015	820022	513036	1.60	YES	db	50.000	0.0	100		0.802
67 PCB 103	17.32	1.087	727007	460165	1.58	YES	bd	50.000	-0.0	100		0.714
68 PCB 94	17.48	1.097	534067	332065	1.61	YES	dd	50.000	0.0	100		0.521
69 PCB 95	17.77	1.115	657982	407966	1.61	YES	dd	50.000	-0.0	100		0.641
70 PCB 100/93/102/98	17.93	1.125	2296833	1423076	1.61	YES	dd	200.000	0.0	100		0.559
71 PCB 88/91	18.34	1.151	1172369	724116	1.62	YES	dd	100.000	0.0	100		0.570
72 PCB 84	18.51	1.162	504504	312406	1.61	YES	dd	50.000	0.0	100		0.491
73 PCB 89	18.85	1.183	554827	344078	1.61	YES	dd	50.000	-0.0	100		0.541
74 PCB 121	19.10	1.199	753988	464658	1.62	YES	dd	50.000	0.0	100		0.733
75 PCB 92	19.37	1.215	602157	367166	1.64	YES	dd	50.000	0.0	100		0.583
76 PCB 113/90/101	19.78	1.241	2083663	1302793	1.60	YES	ds	150.000	0.0	100		0.679
77 PCB 83/99	20.24	1.270	1061928	660638	1.61	YES	MM	100.000	-0.0	100		0.518
78 PCB 112	20.33	1.276	854287	526232	1.62	YES	dd	50.000	0.0	100		0.830
79 PCB 109/119/86/97/...	20.63	1.295	4089805	2564597	1.59	YES	db	300.000	0.0	100		0.667
80 PCB 117/116/85	21.22	1.332	2197811	1378812	1.59	YES	MM	150.000	0.0	100		0.717
81 PCB 110/115	21.40	1.343	1379416	852091	1.62	YES	dd	100.000	0.0	100		0.671
82 PCB 82	21.60	1.355	526929	327496	1.61	YES	dd	50.000	0.0	100		0.514
83 PCB 111	21.86	1.372	770036	475807	1.62	YES	dd	50.000	0.0	100		0.749
84 PCB 120	22.26	1.397	874487	543803	1.61	YES	db	50.000	0.0	100		0.853
85 PCB 108/124	23.22	0.988	2530439	1629906	1.55	YES	dd	100.000	-0.0	100		1.251
86 PCB 107	23.41	0.996	1323504	861489	1.54	YES	dd	50.000	0.0	100		1.314
87 PCB 123	23.52	1.001	1249588	795202	1.57	YES	dd	61.075	22.1	122	175	1.093
88 PCB 106	23.64	1.006	1413455	873159	1.62	YES	dd	50.000	0.0	100		1.375
89 PCB 118	23.80	1.001	1214310	804952	1.51	YES	dd	57.363	14.7	115	176	1.126
90 PCB 122	24.11	1.013	1239170	791868	1.56	YES	dd	50.000	0.0	100		1.222
91 PCB 114	24.29	1.001	1267685	809037	1.57	YES	dd	59.270	18.5	119	177	1.198
92 PCB 105	24.86	1.001	1351805	878322	1.54	YES	MM	64.841	29.7	130	178	1.266

AutoSpec Ultima - M2

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:49 PM Eastern Standard Time

ID:

Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

Description: 209MIX\_PCB 150822CXU

# Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
93 PCB 127	26.19	0.945	1369203	872793	1.57	YES	dd	50.000	0.0	100		1.348
94 PCB 126	27.72	1.001	1234829	782688	1.58	YES	bd	59.589	19.2	119	179	1.164
95 PCB 155	19.64	1.001	594104	450156	1.32	YES	bd	51.679	3.4	103	180	1.030
96 PCB 152	19.80	1.009	599162	485739	1.23	YES	dd	50.000	0.0	100		0.675
97 PCB 150	19.90	1.015	580579	446535	1.30	YES	dd	50.000	0.0	100		0.639
98 PCB 136	20.19	1.029	608281	471230	1.29	YES	dd	50.000	0.0	100		0.672
99 PCB 145	20.42	1.041	525906	404997	1.30	YES	db	50.000	0.0	100		0.579
100 PCB 148	21.56	1.099	439809	343280	1.28	YES	bb	50.000	0.0	100		0.487
101 PCB 151/135	22.06	1.124	811662	636237	1.28	YES	bd	100.000	0.0	100		0.451
102 PCB 154	22.24	1.133	488841	384849	1.27	YES	db	50.000	0.0	100		0.544
103 PCB 144	22.52	1.148	436252	339253	1.29	YES	MM	50.000	0.0	100		0.483
104 PCB 147/149	22.81	1.163	1169561	908964	1.29	YES	MM	100.000	0.0	100		0.647
105 PCB 134/143	23.06	1.175	1018437	789648	1.29	YES	MM	100.000	-0.0	100		0.563
106 PCB 139/140	23.32	1.189	1159791	892622	1.30	YES	MM	100.000	0.0	100		0.639
107 PCB 131	23.50	1.198	466480	357406	1.31	YES	dd	50.000	0.0	100		0.513
108 PCB 142	23.66	1.206	528168	408120	1.29	YES	dd	50.000	0.0	100		0.583
109 PCB 132	23.89	1.218	472434	367257	1.29	YES	db	50.000	0.0	100		0.523
110 PCB 133	24.30	1.239	564036	436411	1.29	YES	bs	50.000	0.0	100		0.623
111 PCB 165	24.68	0.836	648168	499228	1.30	YES	dd	50.000	0.0	100		0.714
112 PCB 146	24.89	0.843	599683	466157	1.29	YES	dd	50.000	0.0	100		0.663
113 PCB 161	25.02	0.848	808810	618470	1.31	YES	dd	50.000	0.0	100		0.888
114 PCB 153/168	25.46	0.863	1434101	1110796	1.29	YES	dd	100.000	0.0	100		0.792
115 PCB 141	25.64	0.869	563803	434166	1.30	YES	dd	50.000	0.0	100		0.621
116 PCB 130	26.01	0.882	506959	389838	1.30	YES	dd	50.000	0.0	100		0.558
117 PCB 137	26.23	0.889	508349	396921	1.28	YES	MM	50.000	0.0	100		0.563
118 PCB 164	26.32	0.892	748402	579308	1.29	YES	MM	50.000	0.0	100		0.826
119 PCB 138/163/129	26.62	0.902	1747627	1355829	1.29	YES	dd	150.000	0.0	100		0.644
120 PCB 160	26.78	0.907	655000	506932	1.29	YES	dd	50.000	0.0	100		0.723
121 PCB 158	26.99	0.915	823709	640356	1.29	YES	db	50.000	0.0	100		0.911
122 PCB 128/166	27.81	0.943	1269969	980635	1.30	YES	dd	100.000	0.0	100		0.700
123 PCB 159	28.78	0.975	1239003	976424	1.27	YES	dd	50.000	0.0	100		1.379
124 PCB 162	29.06	0.985	1127856	886896	1.27	YES	dd	50.000	0.0	100		1.254
125 PCB 167	29.55	1.001	1286418	1013614	1.27	YES	dd	64.734	29.5	129	181	1.225
126 PCB 156/157	30.71	1.001	2408902	1876763	1.28	YES	bd	122.661	22.7	123	182	1.248
127 PCB 169	34.11	1.001	1152021	872593	1.32	YES	bb	58.358	16.7	117	183	1.114
128 PCB 188	24.25	1.001	519181	484278	1.07	YES	bd	51.662	3.3	103	184	1.046
129 PCB 179	24.55	1.014	560182	520707	1.08	YES	dd	50.000	0.0	100		1.016
130 PCB 184	25.02	1.033	518104	478222	1.08	YES	dd	50.000	0.0	100		0.937
131 PCB 176	25.34	1.046	552298	503698	1.10	YES	dd	50.000	0.0	100		0.993
132 PCB 186	25.76	1.064	477662	442341	1.08	YES	db	50.000	0.0	100		0.865
133 PCB 178	27.03	1.116	381540	348502	1.09	YES	bb	50.000	0.0	100		0.686
134 PCB 175	27.63	1.141	384407	356032	1.08	YES	bd	50.000	0.0	100		0.696
135 PCB 187	27.88	1.152	369475	346534	1.07	YES	dd	50.000	0.0	100		0.673
136 PCB 182	28.10	1.160	372582	344482	1.08	YES	db	50.000	0.0	100		0.674
137 PCB 183	28.51	0.888	636045	591035	1.08	YES	bd	50.000	0.0	100		1.153
138 PCB 185	28.60	0.891	449092	407594	1.10	YES	dd	50.000	0.0	100		0.805
139 PCB 174	28.72	0.895	527176	480061	1.10	YES	db	50.000	0.0	100		0.947
140 PCB 177	29.17	0.909	510590	469085	1.09	YES	bd	50.000	0.0	100		0.921

## Quantify Sample Summary Report

MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time  
Printed: February 21, 2016 4:43:49 PM Eastern Standard Time

ID:

Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

Description: 209MIX\_PCB 150822CXU

# Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
141 PCB 181	29.56	0.921	489352	452626	1.08	YES	dd	50.000	0.0	100		0.885
142 PCB 171/173	29.80	0.928	991853	918626	1.08	YES	dd	100.000	0.0	100		0.898
143 PCB 172	31.46	0.980	496348	458709	1.08	YES	dd	50.000	-0.0	100		1.043
144 PCB 192	31.76	0.989	576574	532809	1.08	YES	dd	100.000	0.0	100	185	1.408
145 PCB 193/180	32.09	0.999	1222229	1128953	1.08	YES	dd	50.000	-0.0	100		1.240
146 PCB 191	32.52	1.013	685741	633287	1.08	YES	db	50.000	-0.0	100	186	1.308
147 PCB 170	33.46	1.001	490242	456160	1.07	YES	bb	51.453	2.9	103		1.277
148 PCB 190	34.04	1.018	706033	652721	1.08	YES	bs	50.000	0.0	100		0.991
149 PCB 189	36.88	1.001	869320	851615	1.02	YES	dd	52.497	5.0	105	187	1.016
150 PCB 202	29.28	1.001	595575	667040	0.89	YES	bb	77.133	2.8	103	188	1.068
151 PCB 201	30.21	1.032	699082	775729	0.90	YES	bb	75.000	0.0	100		1.052
152 PCB 204	30.91	1.056	688207	764676	0.90	YES	bd	75.000	0.0	100		0.951
153 PCB 197	31.14	1.064	620219	693771	0.89	YES	dd	75.000	0.0	100		1.056
154 PCB 200	31.25	1.068	696915	761376	0.92	YES	db	75.000	0.0	100		0.702
155 PCB 198/199	34.18	1.168	919474	1019976	0.90	YES	bb	150.000	0.0	100		0.734
156 PCB 196	34.91	0.879	481957	531535	0.91	YES	bd	75.000	0.0	100		0.711
157 PCB 203	35.15	0.885	464976	516395	0.90	YES	db	75.000	0.0	100		1.046
158 PCB 195	36.58	0.921	698811	746039	0.94	YES	dd	75.000	0.0	100		1.119
159 PCB 194	39.22	0.987	747652	797306	0.94	YES	bd	75.000	0.0	100		1.141
160 PCB 205	39.74	1.001	837051	896204	0.93	YES	db	78.457	4.6	105	189	1.028
161 PCB 208	36.33	1.001	483393	619901	0.78	YES	bb	75.354	0.5	100	190	1.304
162 PCB 207	37.36	1.029	525335	670228	0.78	YES	bb	75.000	0.0	100		1.000
163 PCB 206	41.74	1.001	338820	421896	0.80	YES	bb	73.027	-2.6	97	191	1.105
164 PCB 209	43.57	1.001	462575	379398	1.22	YES	bb	79.679	6.2	106	192	0.937
165 PCB 1L	9.00	0.805	3003094	935837	3.21	YES	bs	113.757	13.8	114	199	0.959
166 PCB 3L	10.19	0.911	3060844	968829	3.16	YES	bs	112.476	12.5	112	199	0.578
167 PCB 4L	10.30	0.921	1488192	941798	1.58	YES	bb	106.541	6.5	107	199	1.219
168 PCB 15L	12.94	1.157	3159376	1965952	1.61	YES	bb	113.500	13.5	113	199	0.563
169 PCB 19L	11.69	1.045	1219654	1148156	1.06	YES	bs	97.422	-2.6	97	199	2.013
170 PCB 37L	16.69	1.087	2275361	2164070	1.05	YES	bb	101.342	1.3	101	200	1.338
171 PCB 54L	13.07	0.851	1303185	1647496	0.79	YES	bb	103.143	3.1	103	200	1.761
172 PCB 81L	21.42	1.395	1744165	2139235	0.82	YES	bd	101.334	1.3	101	200	1.727
173 PCB 77L	21.86	1.424	1703613	2103989	0.81	YES	db	102.959	3.0	103	200	1.298
174 PCB 104L	15.94	0.806	1418284	888785	1.60	YES	bb	112.356	12.4	112	201	2.107
175 PCB 123L	23.50	1.188	2312908	1430132	1.62	YES	bd	108.822	8.8	109	201	2.019
176 PCB 118L	23.79	1.203	2218019	1368548	1.62	YES	db	105.918	5.9	106	201	1.952
177 PCB 114L	24.27	1.227	2148149	1320057	1.63	YES	bb	110.104	10.1	110	201	1.982
178 PCB 105L	24.84	1.256	2186141	1335944	1.64	YES	bb	108.773	8.8	109	201	1.951
179 PCB 126L	27.71	1.401	2141787	1325012	1.62	YES	bb	112.428	12.4	112	201	1.266
180 PCB 155L	19.62	0.738	1133283	894320	1.27	YES	bb	90.187	-9.8	90	202	2.345
181 PCB 167L	29.51	1.110	2113694	1642720	1.29	YES	db	111.148	11.1	111	202	2.145
182 PCB 156L/157L	30.69	1.155	3875068	2995449	1.29	YES	bs	223.286	11.6	112	202	2.269
183 PCB 169L	34.09	1.282	2050389	1584509	1.29	YES	bb	120.302	20.3	120	202	1.198
184 PCB 188L	24.21	0.911	988154	931306	1.06	YES	bb	90.138	-9.9	90	202	1.252
185 PCB 180L	32.10	0.819	869096	801290	1.08	YES	bb	92.817	-7.2	93	203	1.084
186 PCB 170L	33.43	0.853	751075	696140	1.08	YES	bb	91.893	-8.1	92	203	2.603
187 PCB 189L	36.86	0.940	1797327	1676262	1.07	YES	db	120.657	20.7	121	203	1.242
188 PCB 202L	29.26	0.747	790571	866957	0.91	YES	bb	87.503	-12.5	88	203	

## Quantify Sample Summary Report

MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:49 PM Eastern Standard Time

## ID:

Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

Description: 209MIX\_PCB 150822CXU

# Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
189 PCB 205L	39.72	1.013	973652	1052074	0.93	YES	db	99.128	-0.9	99	203	1.518
190 PCB 208L	36.31	0.926	633618	796974	0.80	YES	bb	94.083	-5.9	94	203	1.072
191 PCB 206L	41.72	1.064	449841	564854	0.80	YES	bb	100.106	0.1	100	203	0.760
192 PCB 209L	43.55	1.111	556879	459311	1.21	YES	bb	105.129	5.1	105	203	0.761
193 PCB 28L	14.42	0.939	2926419	2791632	1.05	YES	ds	127.154	27.2	127	200	2.593
194 PCB 111L	21.85	1.104	1474561	919624	1.60	YES	bb	100.331	0.3	100	201	1.347
195 PCB 178L	26.99	1.015	579940	550614	1.05	YES	bb	96.297	-3.7	96	202	0.706
196 PCB 31L	14.26	0.928	2713561	2576909	1.05	YES	dd	124.029	24.0	124	200	2.399
197 PCB 95L	17.75	0.897	1040680	655502	1.59	YES	bb	100.893	0.9	101	201	0.955
198 PCB 153L	25.43	0.956	1090859	846263	1.29	YES	bb	98.708	-1.3	99	202	1.209
199 PCB 9L	11.19	0.000	2582965	1620294	1.59	YES	bd	100.000	0.0	100	0	42032...
200 PCB 52L	15.36	0.000	975175	1229979	0.79	YES	bd	100.000	0.0	100	0	22051...
201 PCB 101L	19.78	0.000	1100025	676770	1.63	YES	bb	100.000	0.0	100	0	17767...
202 PCB 138L	26.58	0.000	902485	699368	1.29	YES	bb	100.000	0.0	100	0	16018...
203 PCB 194L	39.19	0.000	644412	690101	0.93	YES	bd	100.000	0.0	100	0	13345...
204 Total MoCB F1								79.801				165
205 Total MoCB labeled ...								226.414				199
206 Total DiCB F1								53.022				167
207 Total DiCB labeled F1								106.541				199
208 Total DiCB F2								255.398				168
209 Total DiCB labeled F2								213.500				199
210 Total TriCB F2								202.188				169
211 Total TriCB labeled F2								97.816				199
212 Total TriCB F3								409.904				170
213 Total TriCB labeled F3								354.340				200
214 Total TeCB F2								55.555				171
215 Total TeCB labeled F2								103.143				200
216 Total TeCB F3								1100....				171
217 Total TeCB labeled F3								100.000				200
218 Total TeCB F4								972.045				172
219 Total TeCB labeled F4								209.437				200
220 Total PeCB F3								98.543				174
221 Total PeCB labeled F3								112.356				201
222 Total PeCB F4								1655....				175
223 Total PeCB labeled F4								301.224				201
224 Total PeCB F5								615.502				175
225 Total PeCB labeled F5								548.353				201
226 Total HxCB F4								501.679				180
227 Total HxCB labeled F4								90.642				202
228 Total HxCB F5								1303....				181
229 Total HxCB labeled F5								198.709				202
230 Total HxCB F6								363.939				181
231 Total HxCB labeled F6								458.434				202
232 Total HpCB F5								451.662				184
233 Total HpCB labeled ...								187.459				203
234 Total HpCB F6								717.420				185
235 Total HpCB labeled ...								185.200				203
236 Total HpCB F7								68.204				187

AutoSpec Ultima - M2

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:49 PM Eastern Standard Time

**ID:**

**Date: 19-FEB-2016**

**Time: 12:07:03**

**Instrument: Autospec-UltimaE**

**Description: 209MIX\_PCB 150822CXU**

#	Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
237	Total HpCB labeled ...								129.179			203	
238	Total OcCB F6								677.133			188	
239	Total OcCB labeled ...								87.695			203	
240	Total OcCB F7								237.144			189	
241	Total OcCB labeled ...								199.130			203	
242	Total NoCB F7								224.193			190	
243	Total NoCB labeled ...								195.642			203	
244	Total DeCB F7								79.679			192	
245	Total DeCB labeled ...								105.129			203	
246	lockmass F1											0	
247	lockmass F2											0	
248	lockmass F3											0	
249	lockmass F4											0	
250	lockmass F5											0	
251	lockmass F6											0	
252	lockmass F7											0	



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLDM2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Method: C:\MassLynx\Default.pro\Methdb\EPA 1668\_M2160219.mdb 21 Feb 2016 16:35:56

Calibration: 21 Feb 2016 16:43:25

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

Time: 12:07:03

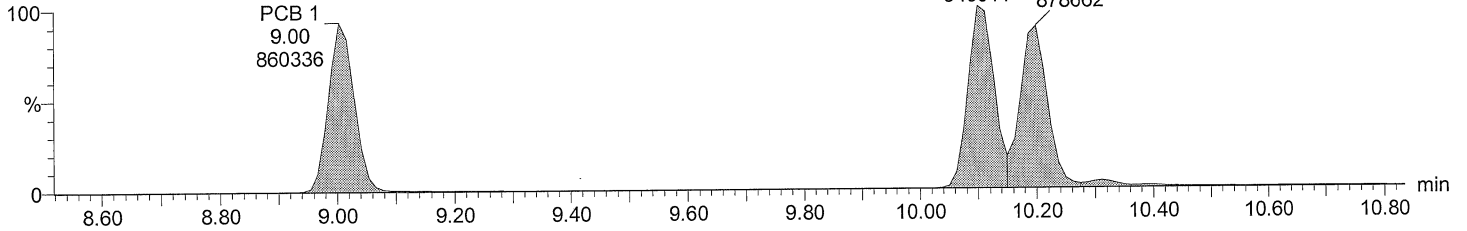
Instrument: Autospec-UltimaE

Total MoCB F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 2  
10.10  
946011  
PCB 3  
10.20  
878662

F1:SIR of 10 channels,EI+  
188.0393  
1.823e+007

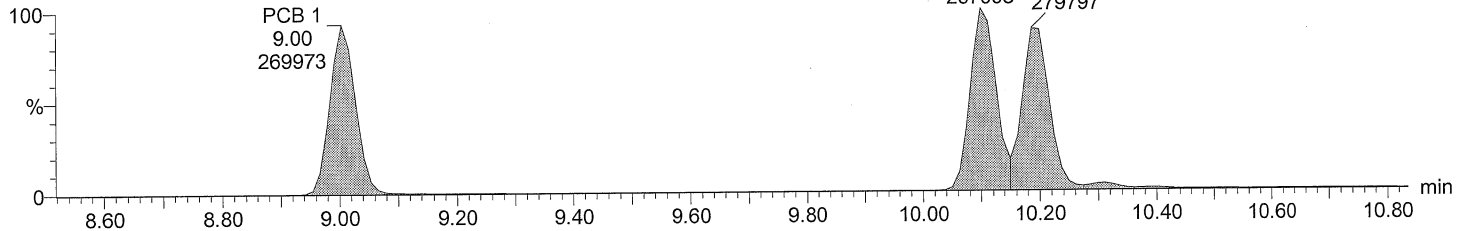


Total MoCB F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 2  
10.10  
297033  
PCB 3  
10.19  
279797

F1:SIR of 10 channels,EI+  
190.0363  
5.789e+006

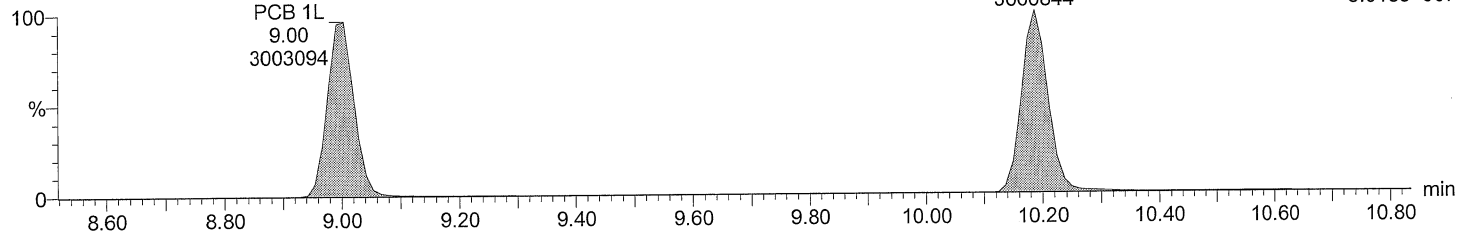


Total MoCB labeled F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 3L  
10.19  
3060844

F1:SIR of 10 channels,EI+  
200.0795  
5.918e+007

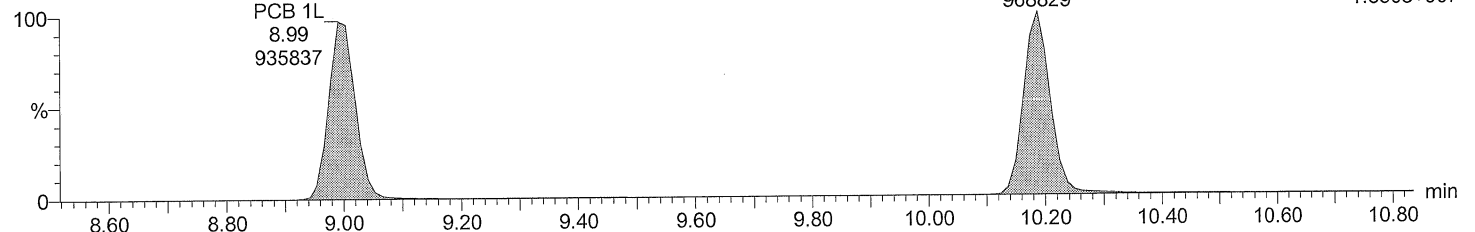


Total MoCB labeled F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 3L  
10.19  
968829

F1:SIR of 10 channels,EI+  
202.076  
1.850e+007



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

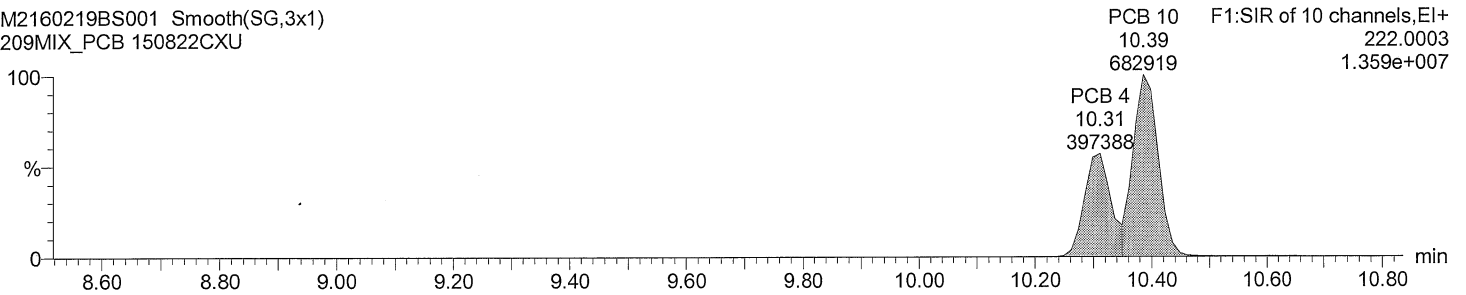
Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

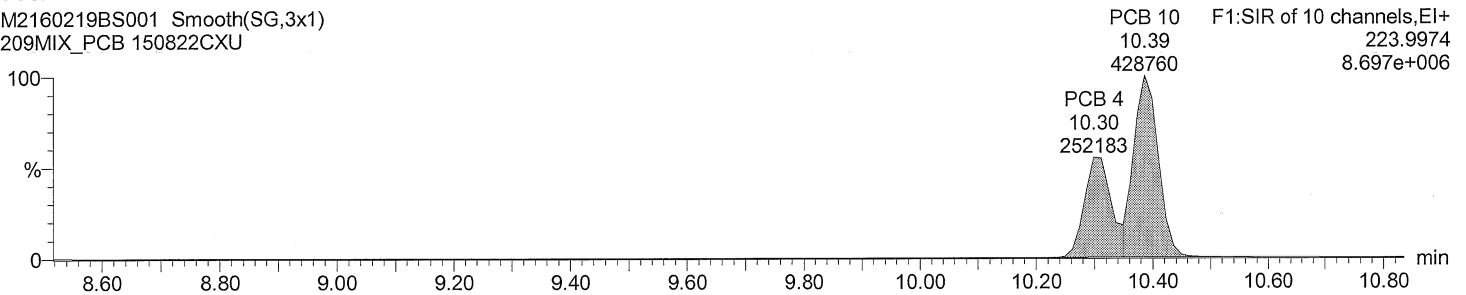
Total DiCB F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



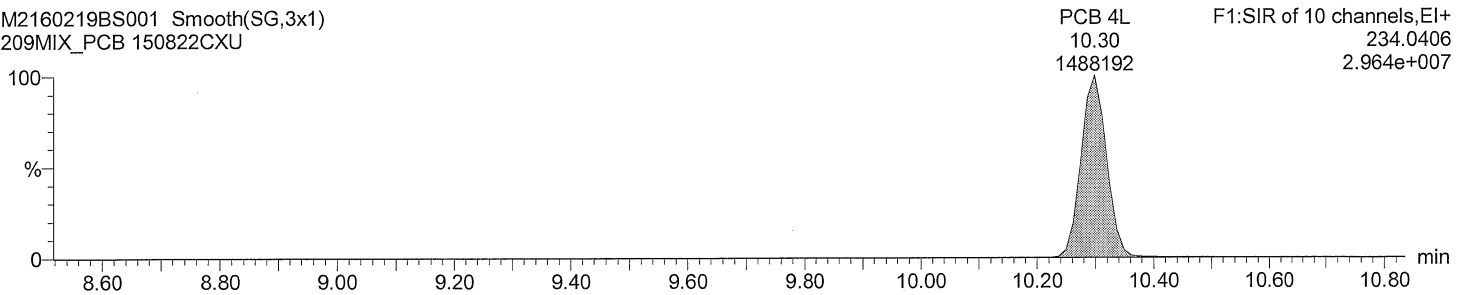
Total DiCB F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



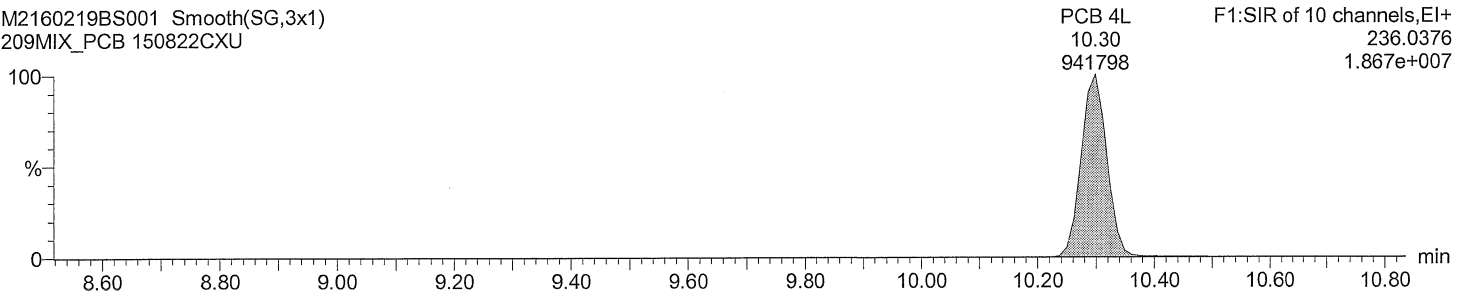
Total DiCB labeled F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



Total DiCB labeled F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

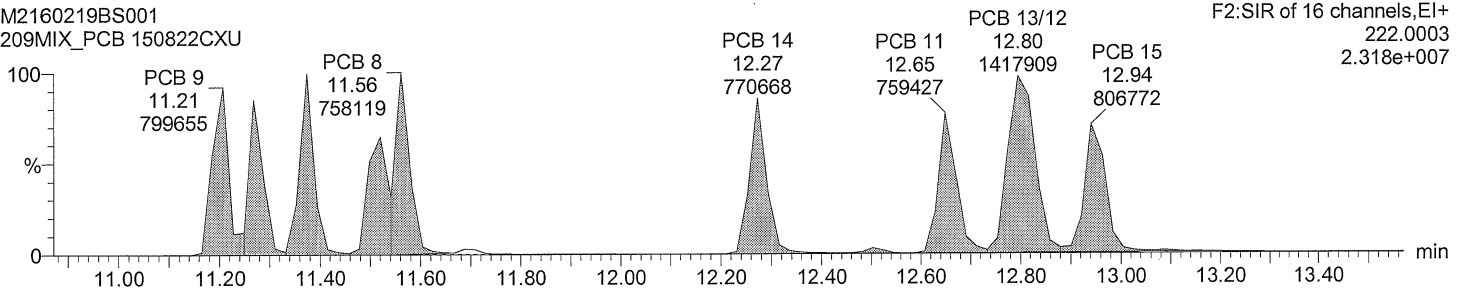
Time: 12:07:03

Instrument: Autospec-UltimaE

Total DiCB F2

M2160219BS001

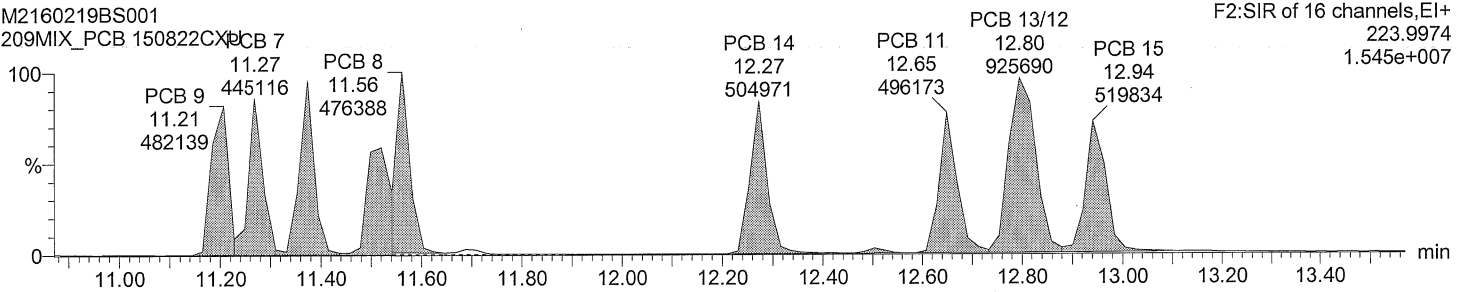
209MIX\_PCB 150822CXU



Total DiCB F2

M2160219BS001

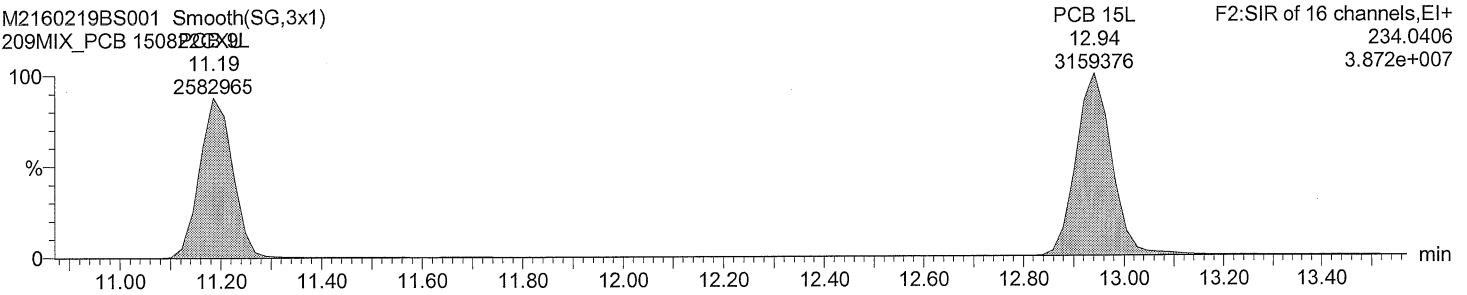
209MIX\_PCB 150822CXU



Total DiCB labeled F2

M2160219BS001 Smooth(SG,3x1)

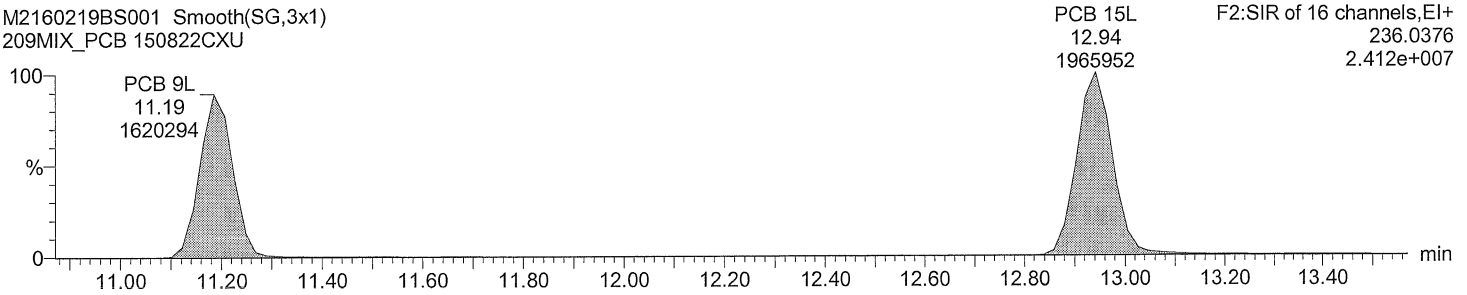
209MIX\_PCB 150822CXU



Total DiCB labeled F2

M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

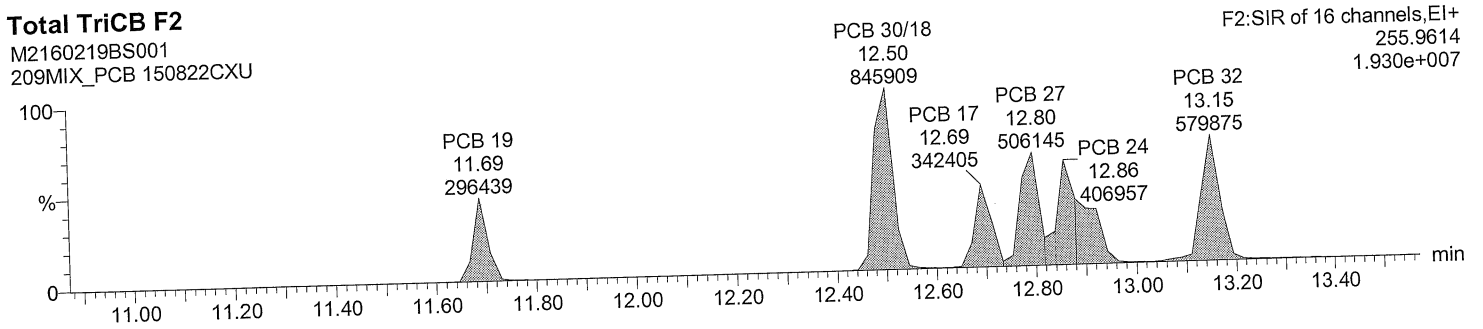
Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

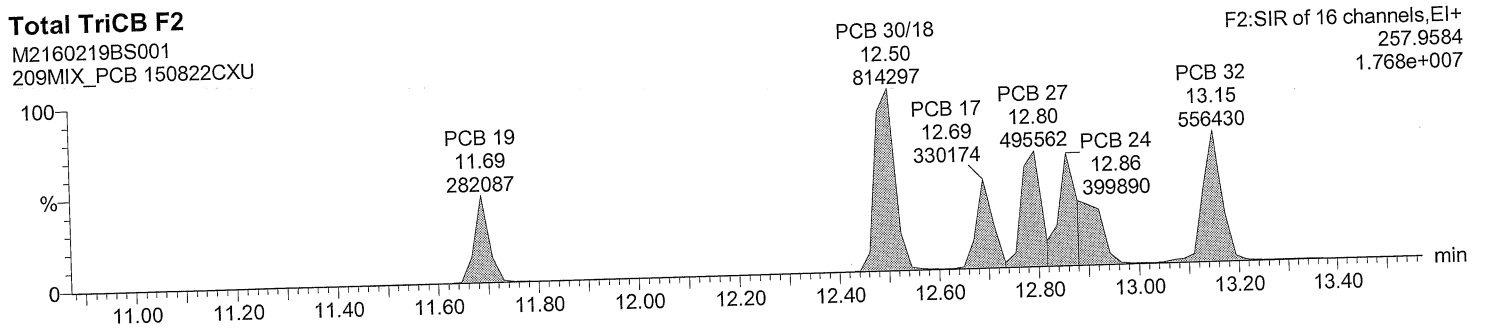
**Total TriCB F2**

M2160219BS001  
209MIX\_PCB 150822CXU



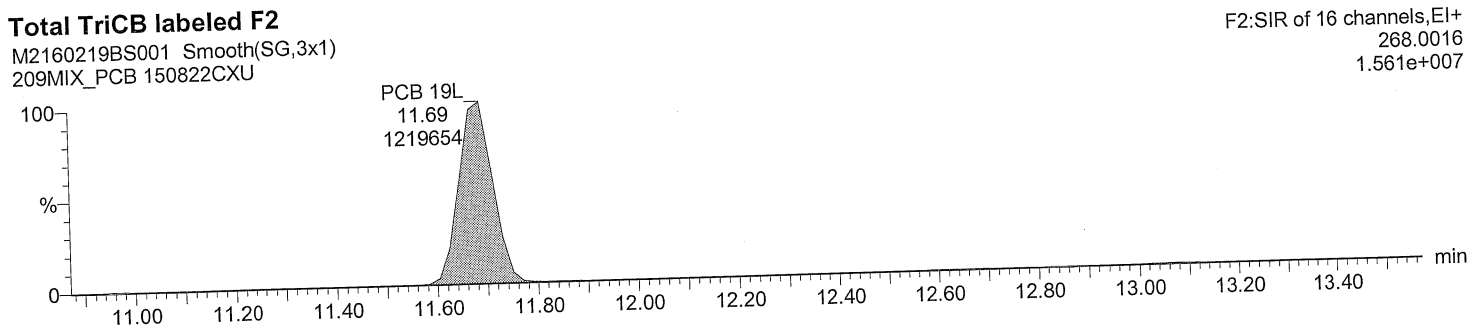
**Total TriCB F2**

M2160219BS001  
209MIX\_PCB 150822CXU



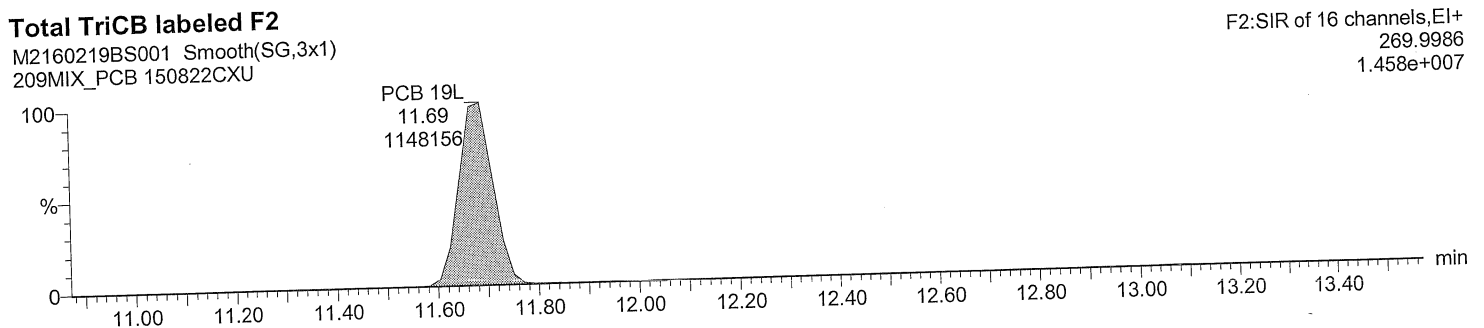
**Total TriCB labeled F2**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



**Total TriCB labeled F2**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time  
Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

**Description: 209MIX\_PCB 150822CXU**

Vial: 1

Date: 19-FEB-2016

Time: 12:07:03

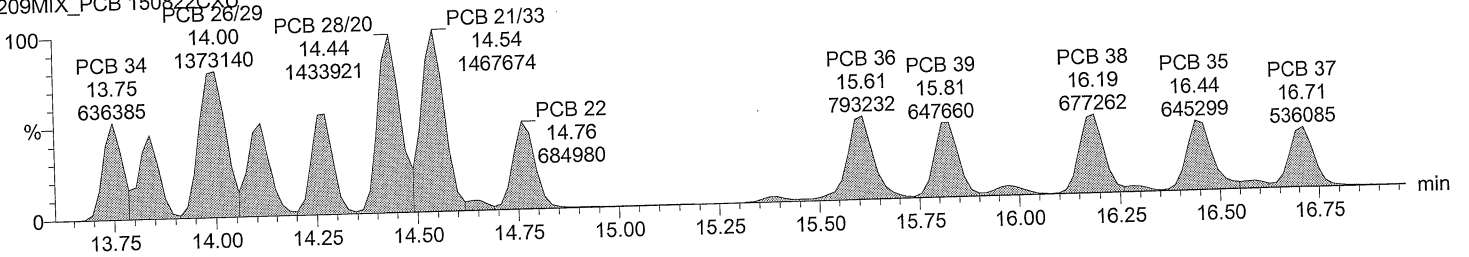
Instrument: Autospec-UltimaE

**Total TriCB F3**

M2160219BS001 Smooth(SG,1x1)

209MIX\_PCB 150822CXU

F3:SIR of 14 channels, EI+  
255.9614  
2.255e+007

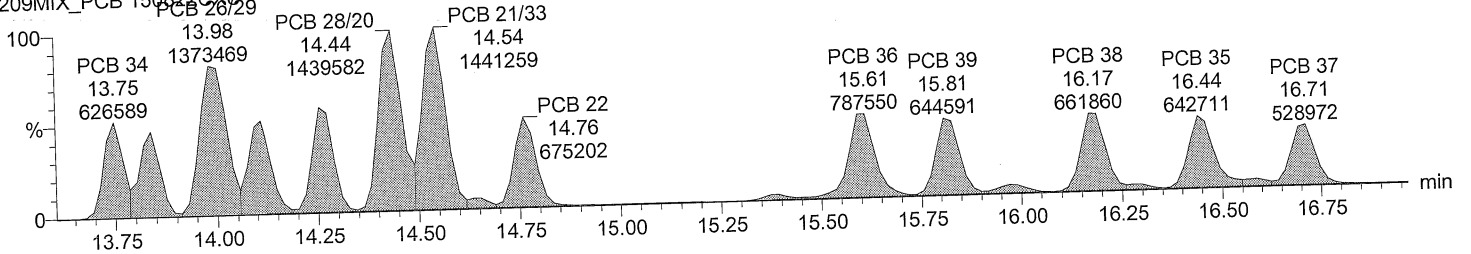


**Total TriCB F3**

M2160219BS001 Smooth(SG,1x1)

209MIX\_PCB 150822CXU

F3:SIR of 14 channels, EI+  
257.9584  
2.202e+007

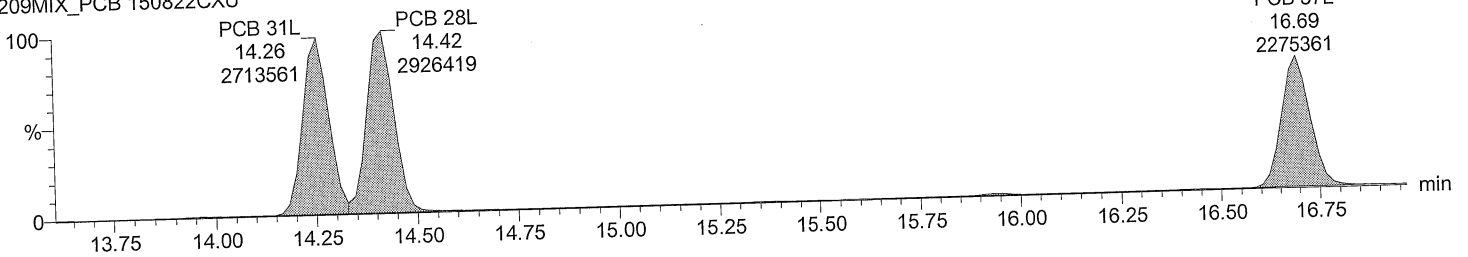


**Total TriCB labeled F3**

M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU

F3:SIR of 14 channels, EI+  
268.0016  
3.748e+007

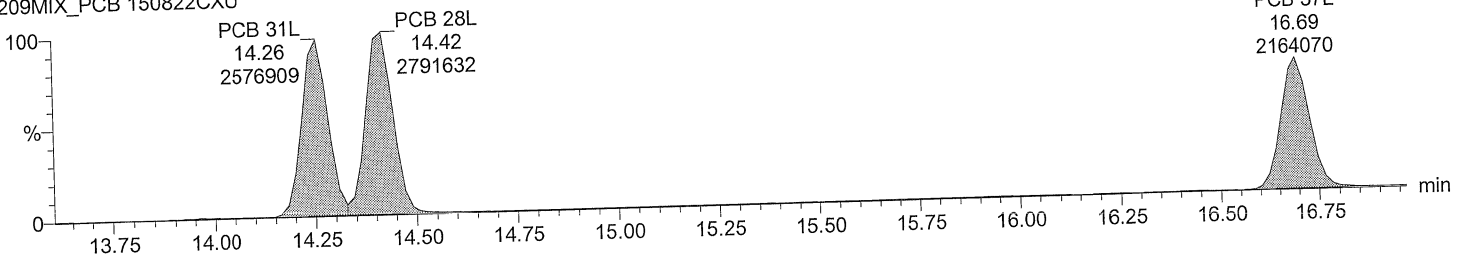


**Total TriCB labeled F3**

M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU

F3:SIR of 14 channels, EI+  
269.9986  
3.556e+007



Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

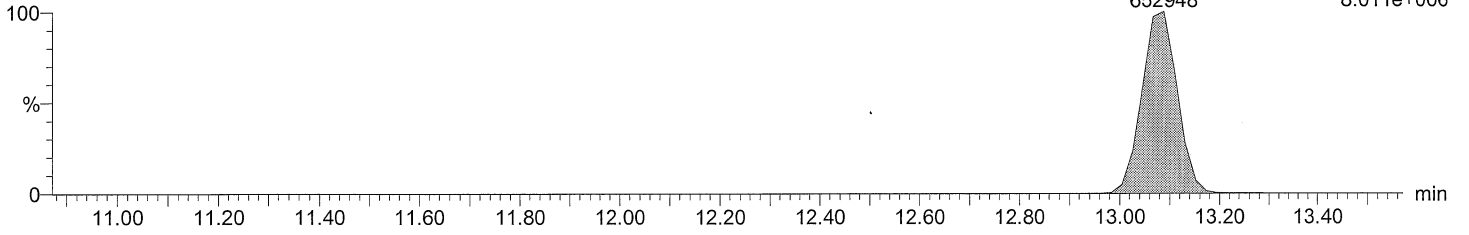
Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time  
Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 12:07:03  
Instrument: Autospec-UltimaE

Total TeCB F2

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

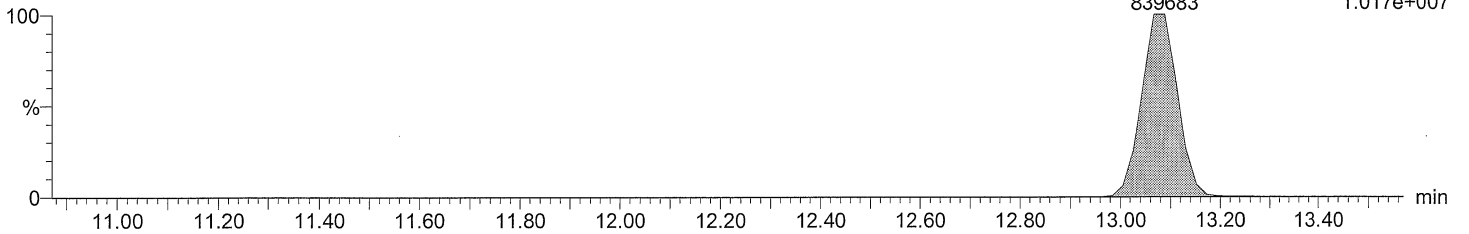
PCB 54 F2:SIR of 16 channels,EI+  
13.09 289.9224  
652948 8.011e+006



Total TeCB F2

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

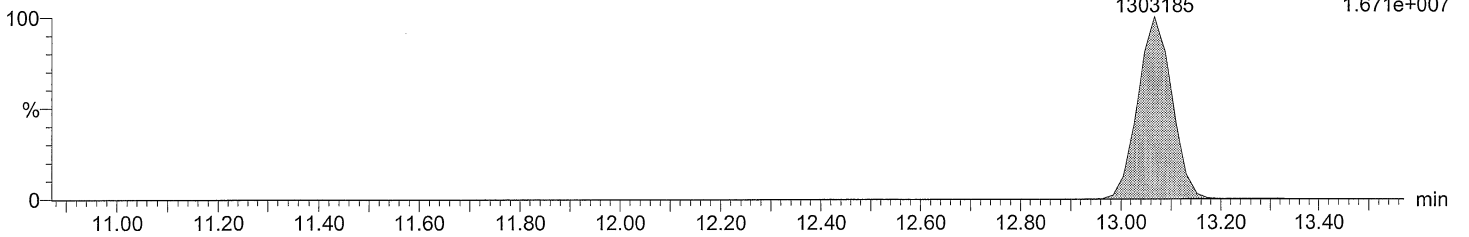
PCB 54 F2:SIR of 16 channels,EI+  
13.09 291.9194  
839683 1.017e+007



Total TeCB labeled F2

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

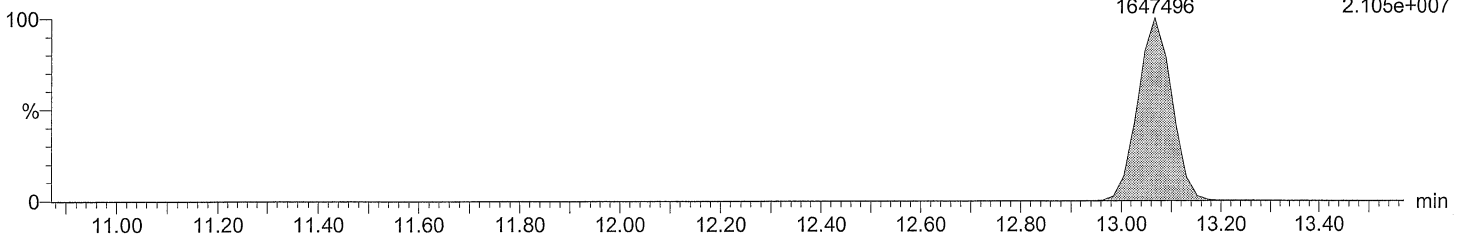
PCB 54L F2:SIR of 16 channels,EI+  
13.07 301.9626  
1303185 1.671e+007



Total TeCB labeled F2

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 54L F2:SIR of 16 channels,EI+  
13.07 303.9597  
1647496 2.105e+007



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

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**Description: 209MIX\_PCB 150822CXU**

Vial: 1

Date: 19-FEB-2016

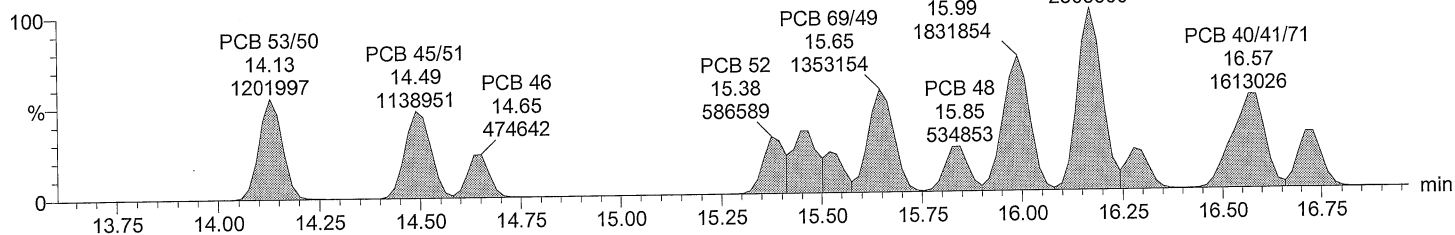
Time: 12:07:03

Instrument: Autospec-UltimaE

**Total TeCB F3**

M2160219BS001 Smooth(SG,1x1)  
209MIX\_PCB 150822CXU

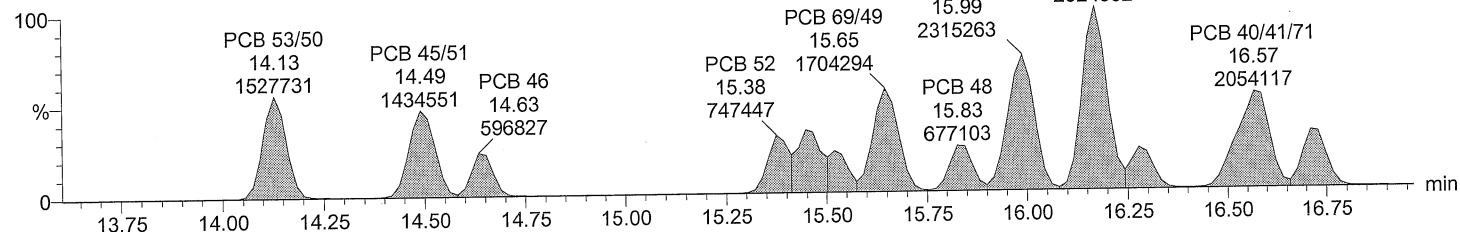
PCB 59/62/75 16.17 2305500  
F3:SIR of 14 channels, EI+ 289.9224 3.244e+007



**Total TeCB F3**

M2160219BS001 Smooth(SG,1x1)  
209MIX\_PCB 150822CXU

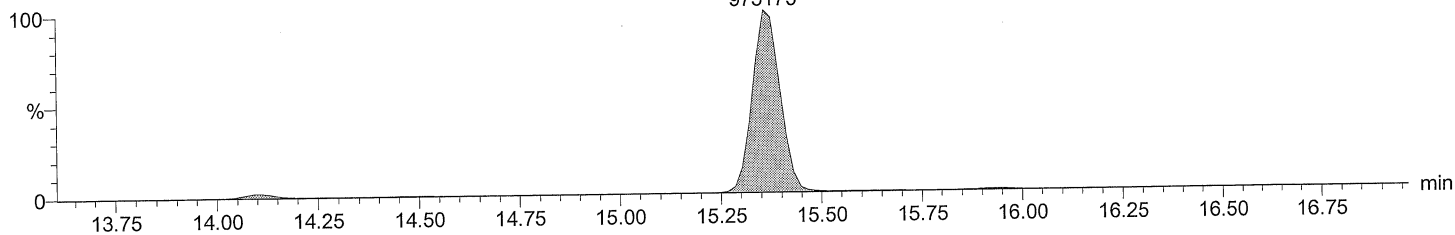
PCB 59/62/75 16.17 2924392  
F3:SIR of 14 channels, EI+ 291.9194 4.096e+007



**Total TeCB labeled F3**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

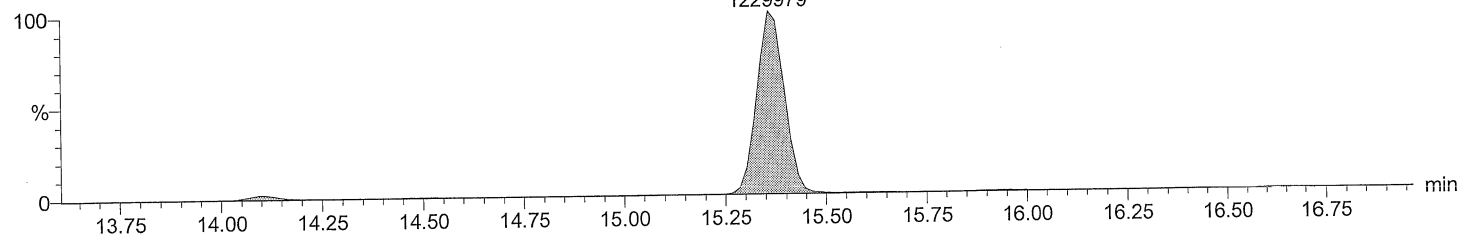
PCB 52L 15.36 975175  
F3:SIR of 14 channels, EI+ 301.9626 1.232e+007



**Total TeCB labeled F3**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 52L 15.36 1229979  
F3:SIR of 14 channels, EI+ 303.9597 1.565e+007



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

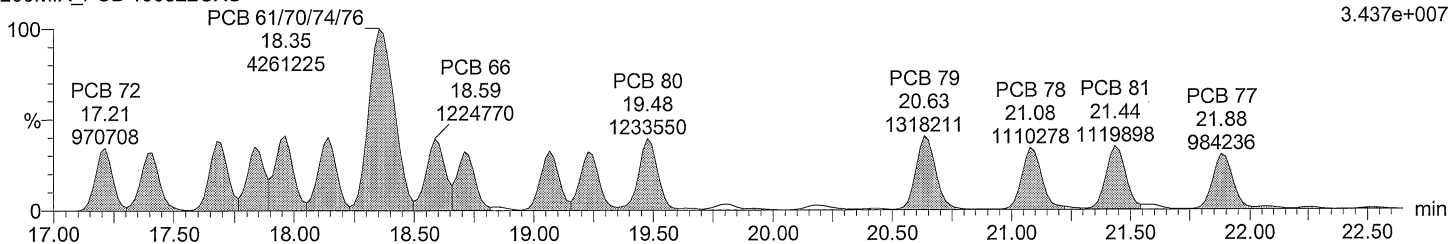
Time: 12:07:03

Instrument: Autospec-UltimaE

Total TeCB F4

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

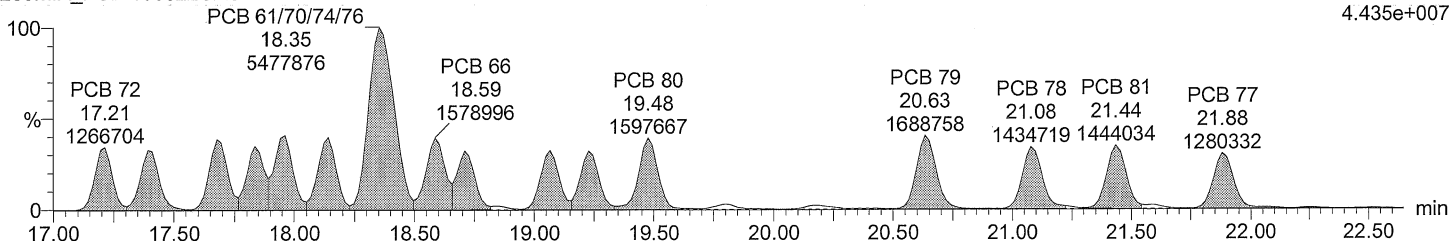
F4:SIR of 14 channels,EI+  
289.9224  
3.437e+007



Total TeCB F4

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

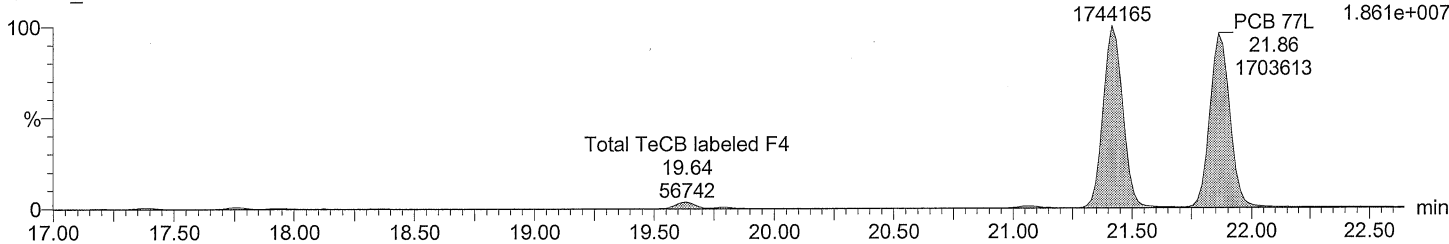
F4:SIR of 14 channels,EI+  
291.9194  
4.435e+007



Total TeCB labeled F4

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

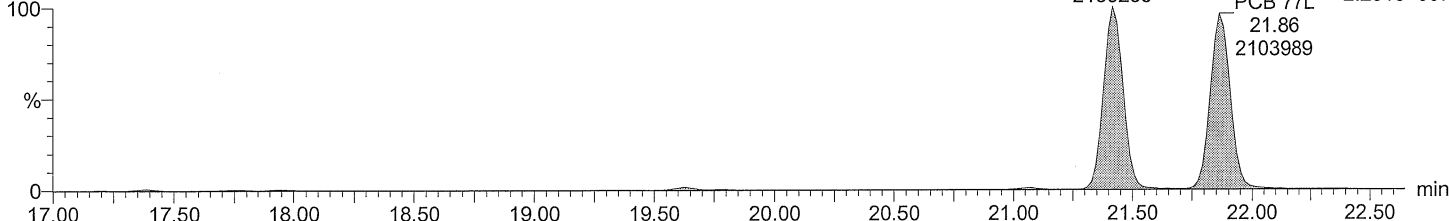
PCB 81L 21.42 1744165  
PCB 77L 21.86 1703613  
F4:SIR of 14 channels,EI+  
301.9626  
1.861e+007



Total TeCB labeled F4

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 81L 21.42 2139235  
PCB 77L 21.86 2103989  
F4:SIR of 14 channels,EI+  
303.9597  
2.291e+007





Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

Time: 12:07:03

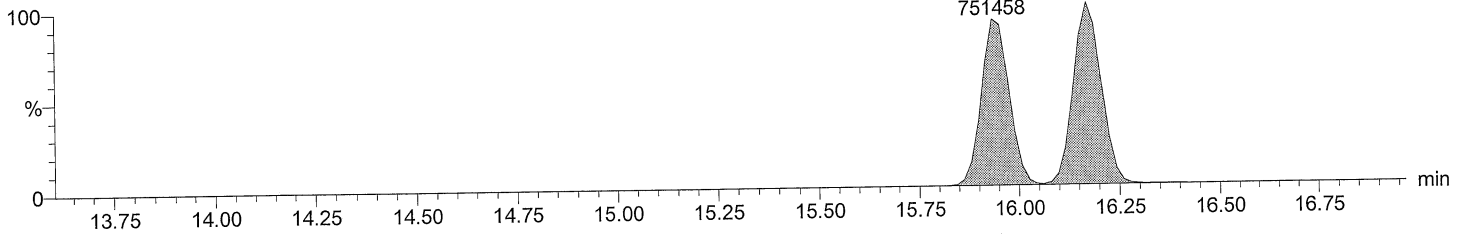
Instrument: Autospec-UltimaE

Total PeCB F3

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 104 15.94 751458  
PCB 96 16.17 820022

F3:SIR of 14 channels, EI+  
325.8805  
1.028e+007

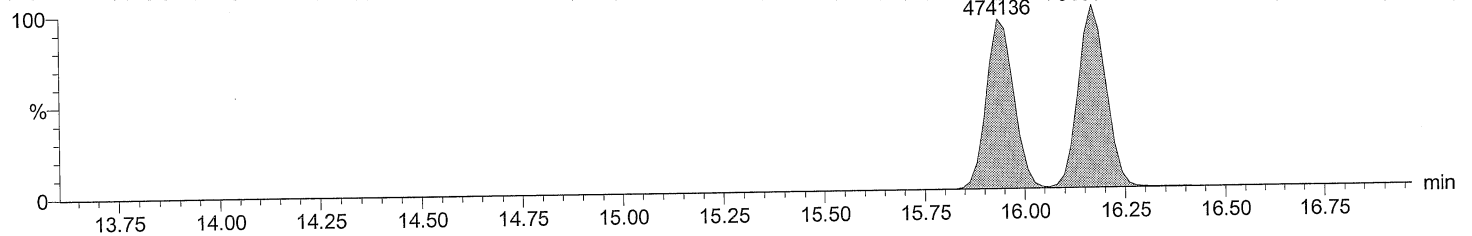


Total PeCB F3

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 104 15.94 474136  
PCB 96 16.17 513036

F3:SIR of 14 channels, EI+  
327.8775  
6.461e+006

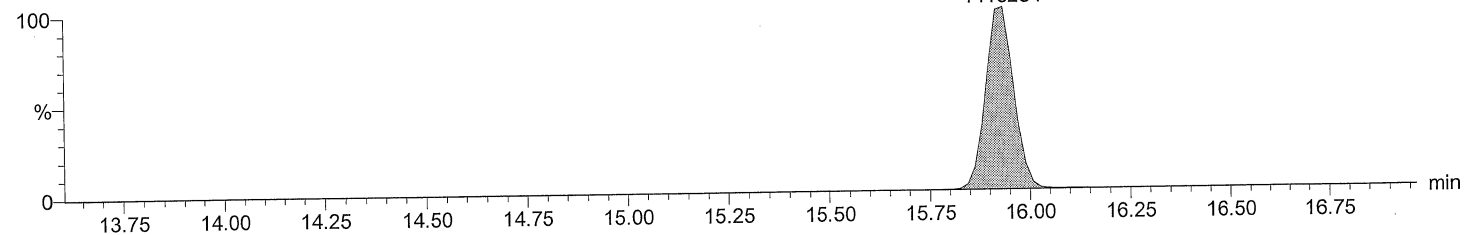


Total PeCB labeled F3

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 104L 15.94 1418284

F3:SIR of 14 channels, EI+  
337.9207  
1.750e+007

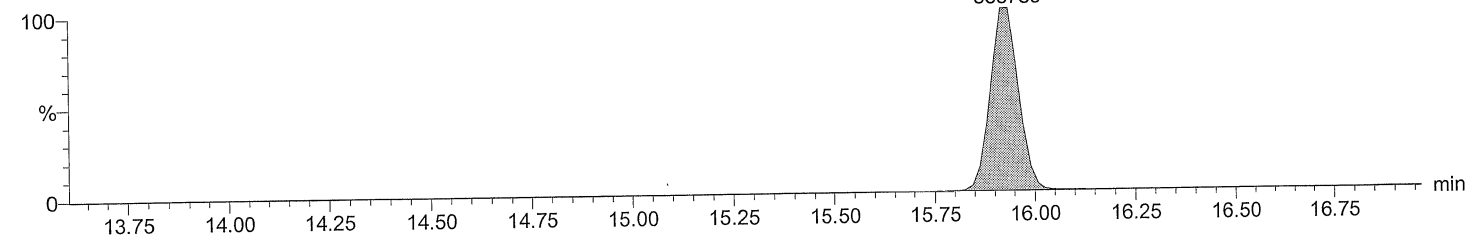


Total PeCB labeled F3

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 104L 15.94 888785

F3:SIR of 14 channels, EI+  
339.9178  
1.093e+007



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

Time: 12:07:03

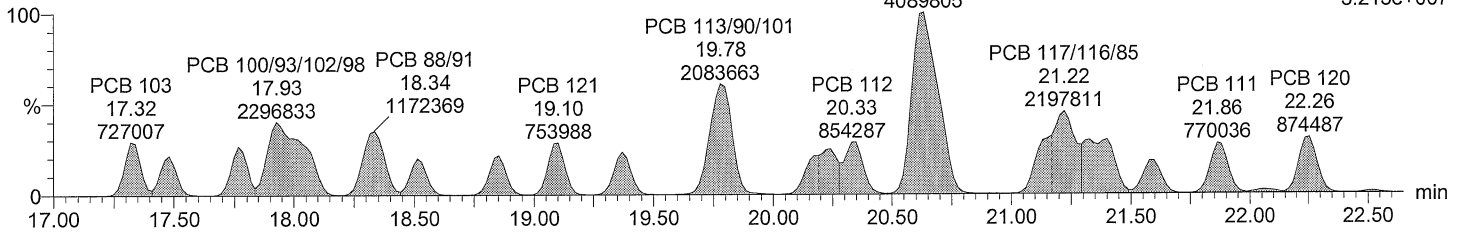
Instrument: Autospec-UltimaE

Total PeCB F4

M2160219BS001 Smooth(SG,2x1)  
209MIX\_PCB 150822CXU

PCB 109/119/86/97/125/87

F4:SIR of 14 channels,EI+  
325.8805  
3.213e+007

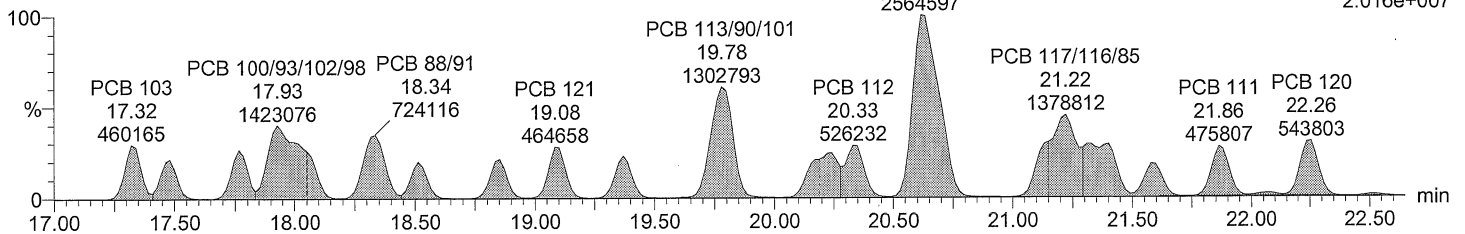


Total PeCB F4

M2160219BS001 Smooth(SG,2x1)  
209MIX\_PCB 150822CXU

PCB 109/119/86/97/125/87

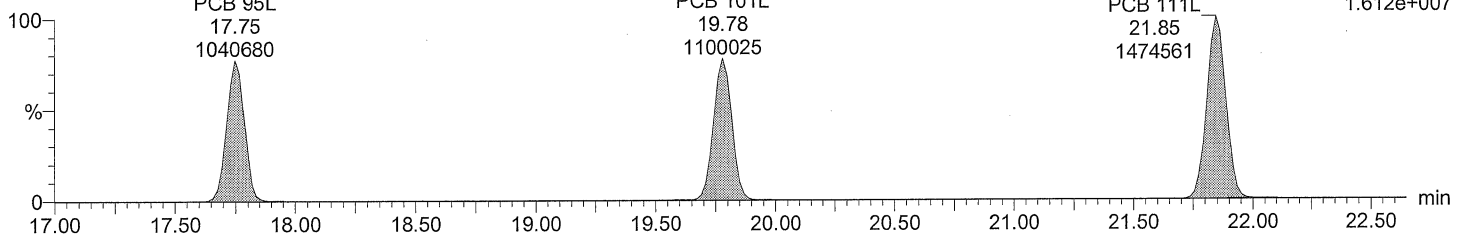
F4:SIR of 14 channels,EI+  
327.8775  
2.016e+007



Total PeCB labeled F4

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

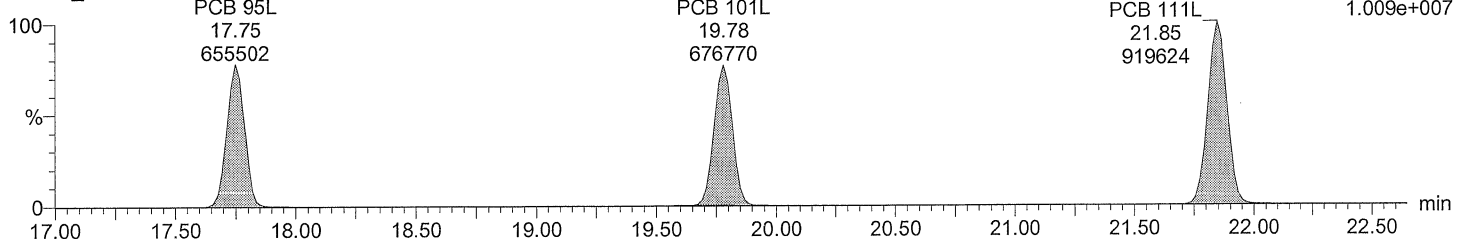
F4:SIR of 14 channels,EI+  
337.9207  
1.612e+007



Total PeCB labeled F4

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

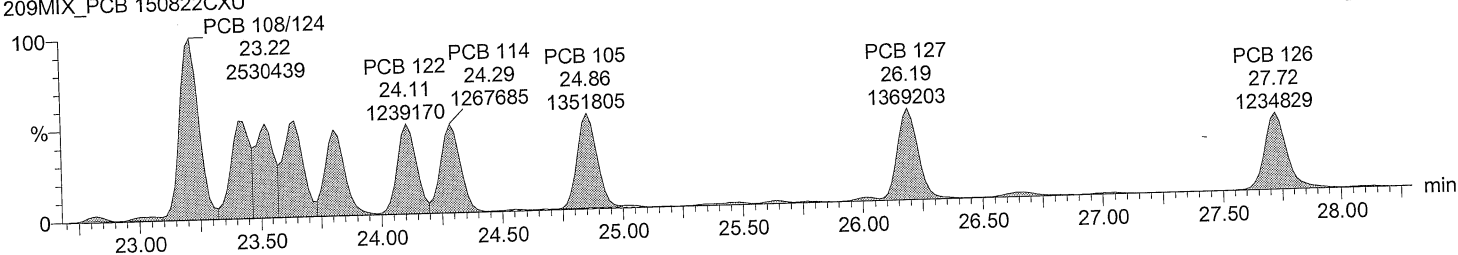
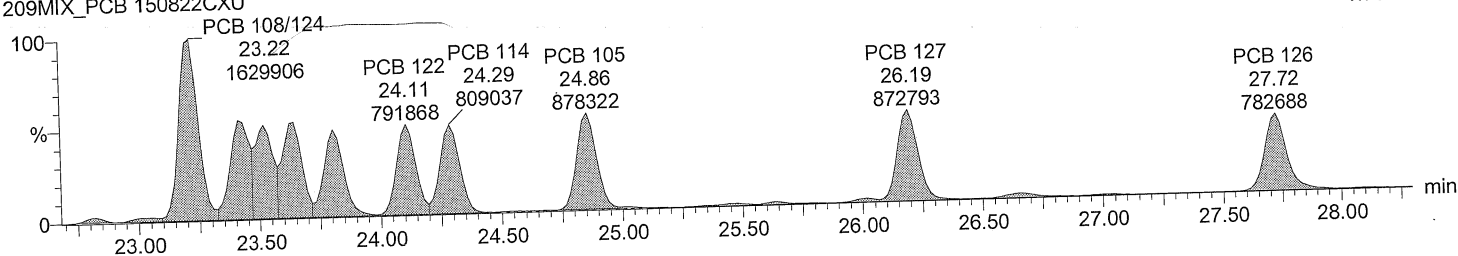
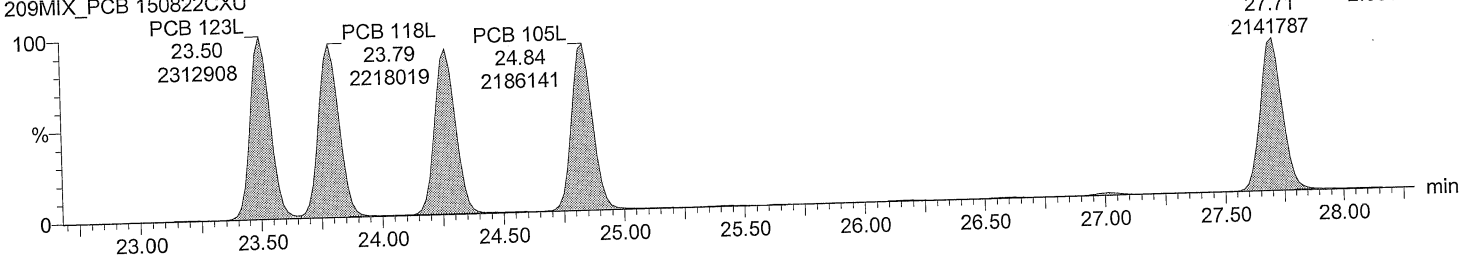
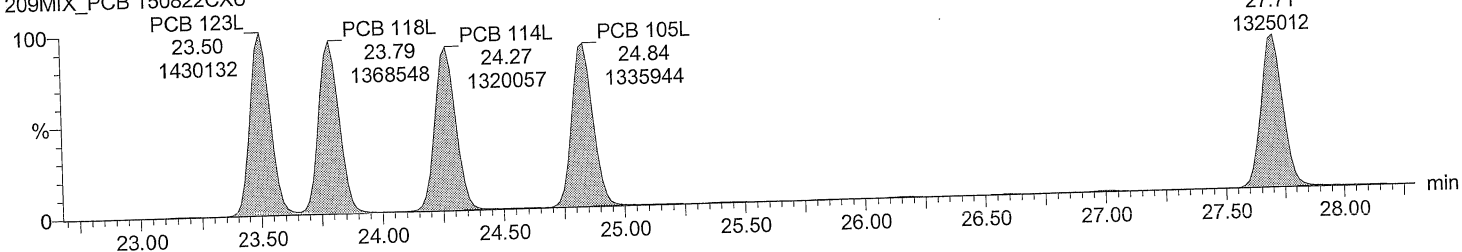
F4:SIR of 14 channels,EI+  
339.9178  
1.009e+007



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time  
Printed: February 21, 2016 4:43:58 PM Eastern Standard Time**Description: 209MIX\_PCB 150822CXU****Vial: 1****Date: 19-FEB-2016****Time: 12:07:03****Instrument: Autospec-UltimaE****Total PeCB F5**M2160219BS001 Smooth(SG,2x1)  
209MIX\_PCB 150822CXUF5:SIR of 14 channels,EI+  
325.8805  
2.762e+007**Total PeCB F5**M2160219BS001 Smooth(SG,2x1)  
209MIX\_PCB 150822CXUF5:SIR of 14 channels,EI+  
327.8775  
1.764e+007**Total PeCB labeled F5**M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXUF5:SIR of 14 channels,EI+  
PCB 126L 337.9207  
27.71 2.395e+007  
2141787**Total PeCB labeled F5**M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXUF5:SIR of 14 channels,EI+  
PCB 126L 339.9178  
27.71 1.488e+007  
1325012

**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

**Description: 209MIX\_PCB 150822CXU**

**Vial: 1**

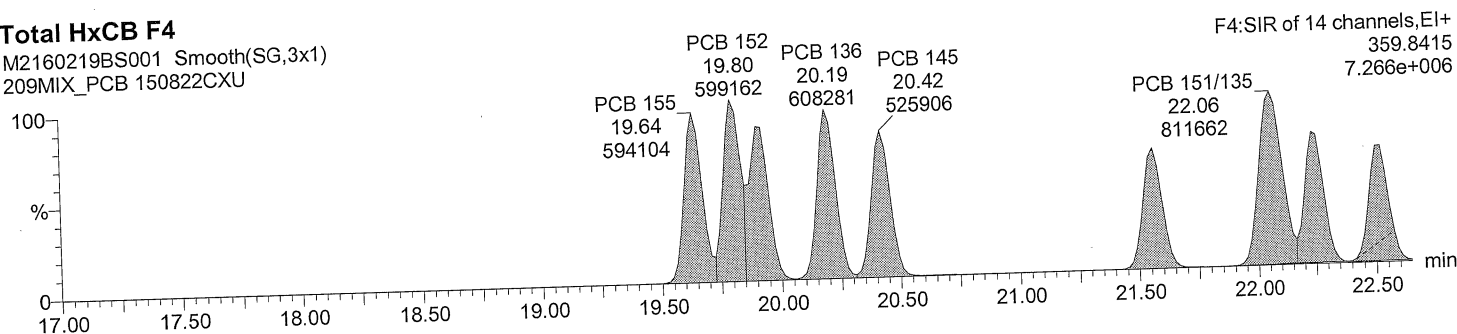
**Date: 19-FEB-2016**

**Time: 12:07:03**

**Instrument: Autospec-UltimaE**

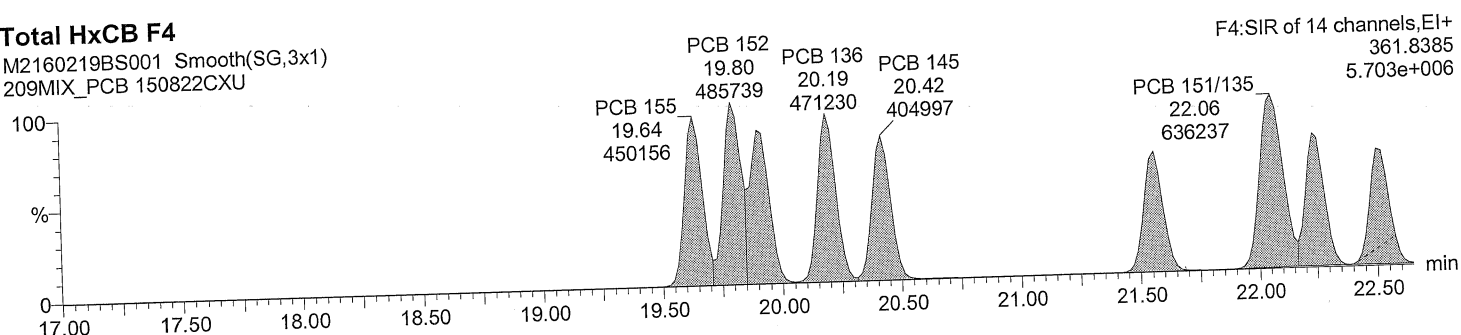
**Total HxCB F4**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



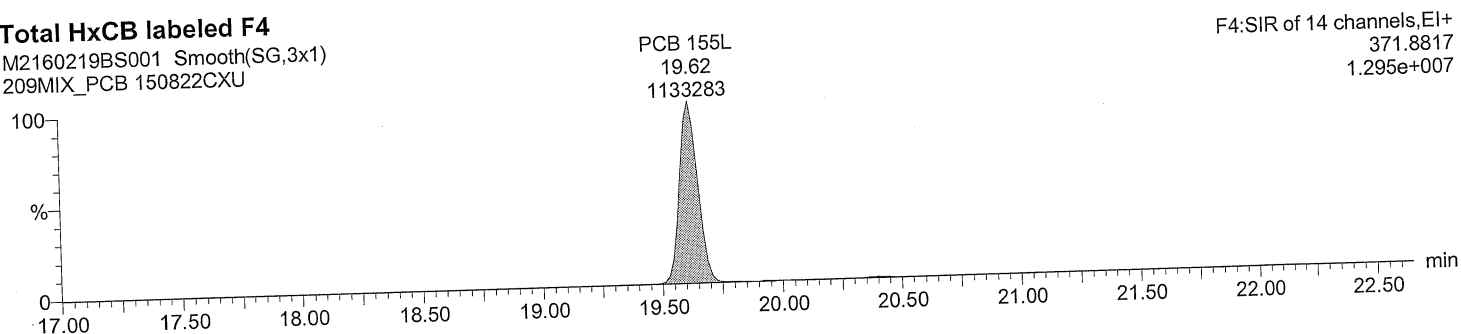
**Total HxCB F4**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



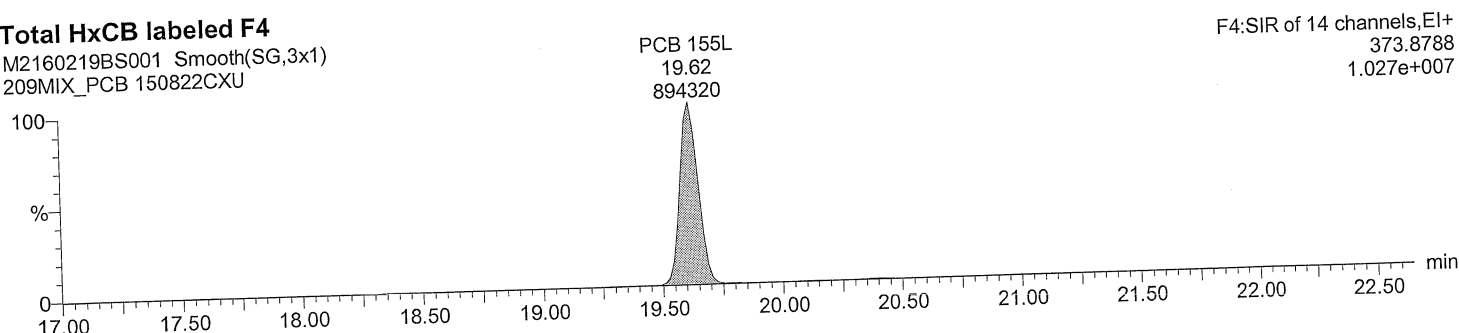
**Total HxCB labeled F4**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



**Total HxCB labeled F4**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time  
 Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

**Description: 209MIX\_PCB 150822CXU**

Vial: 1

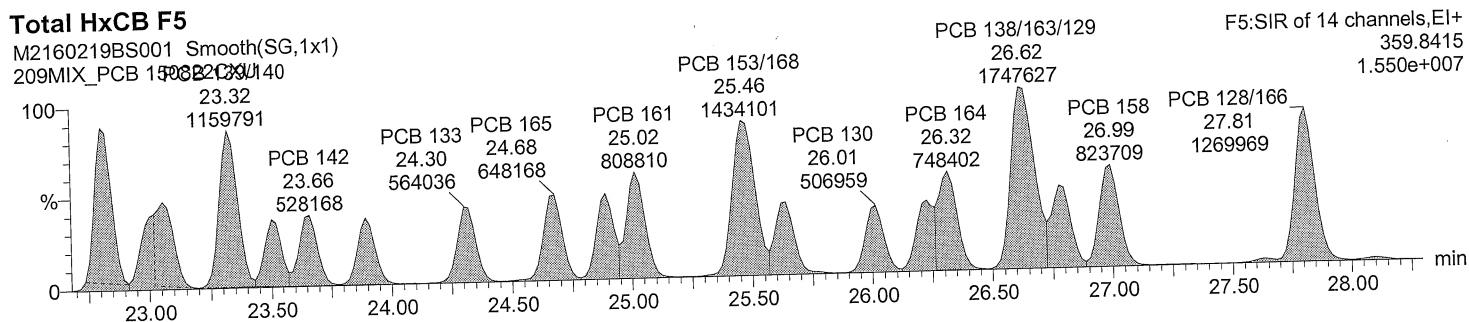
Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

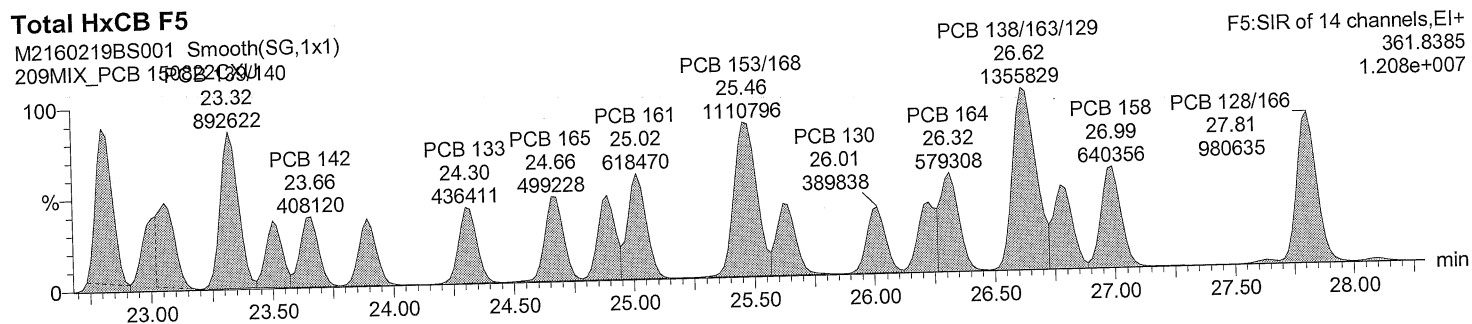
**Total HxCB F5**

M2160219BS001 Smooth(SG,1x1)  
 209MIX\_PCB 150822CXU



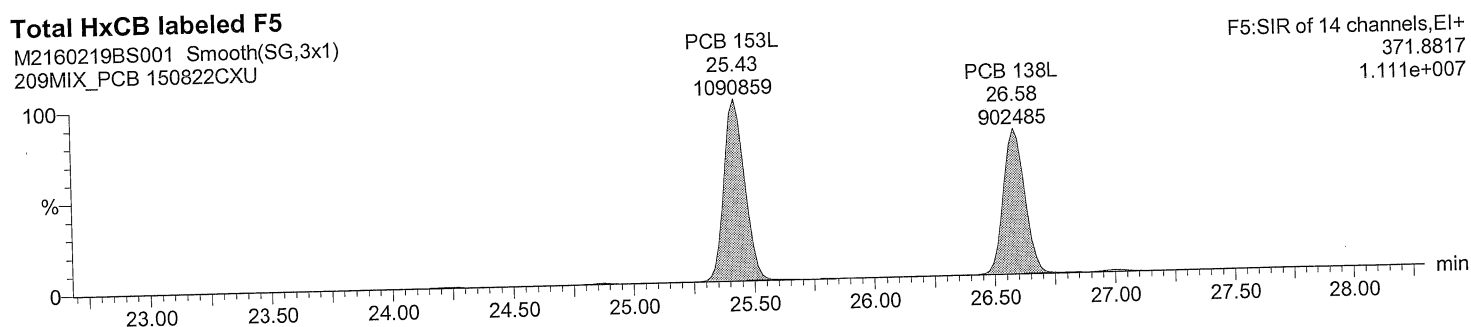
**Total HxCB F5**

M2160219BS001 Smooth(SG,1x1)  
 209MIX\_PCB 150822CXU



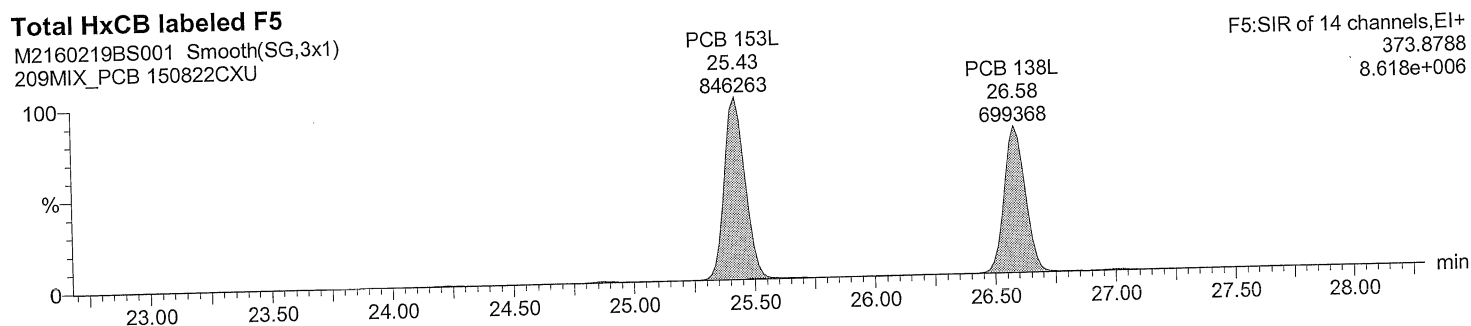
**Total HxCB labeled F5**

M2160219BS001 Smooth(SG,3x1)  
 209MIX\_PCB 150822CXU



**Total HxCB labeled F5**

M2160219BS001 Smooth(SG,3x1)  
 209MIX\_PCB 150822CXU



Quantify Sample Report MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time  
Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

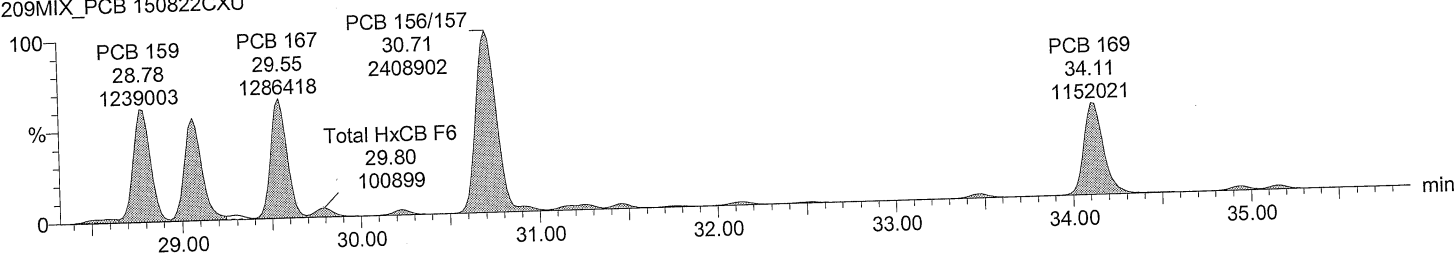
Time: 12:07:03

Instrument: Autospec-UltimaE

Total HxCB F6

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

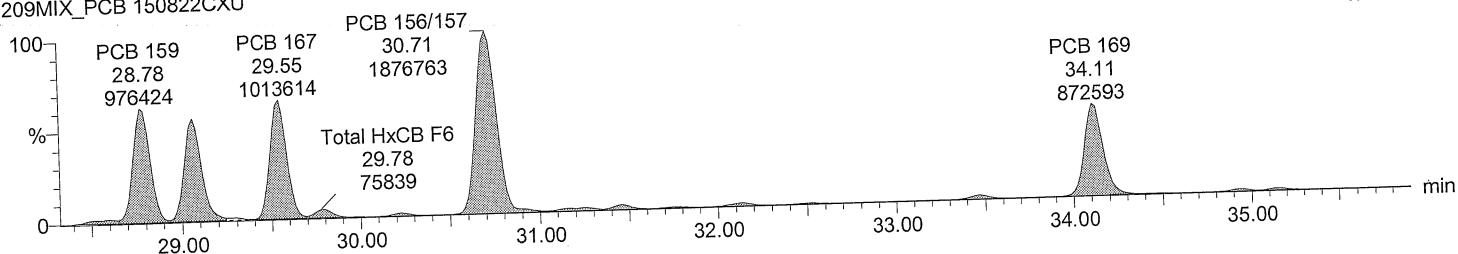
F6:SIR of 14 channels, EI+  
359.8415  
1.831e+007



Total HxCB F6

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

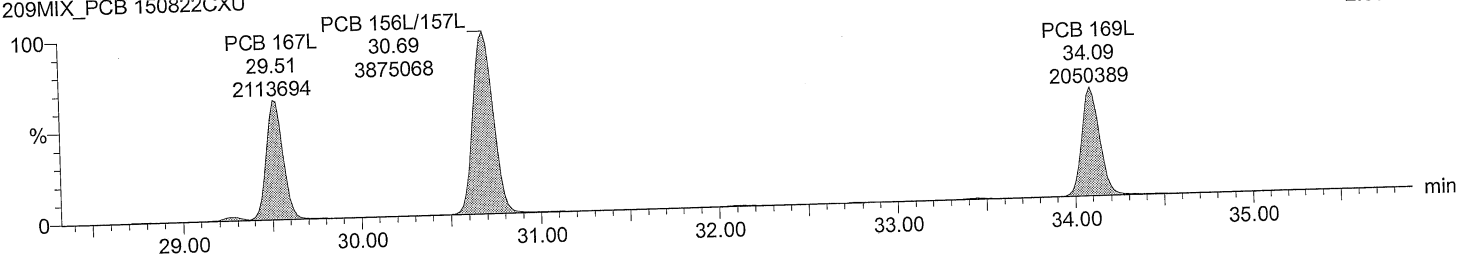
F6:SIR of 14 channels, EI+  
361.8385  
1.444e+007



Total HxCB labeled F6

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

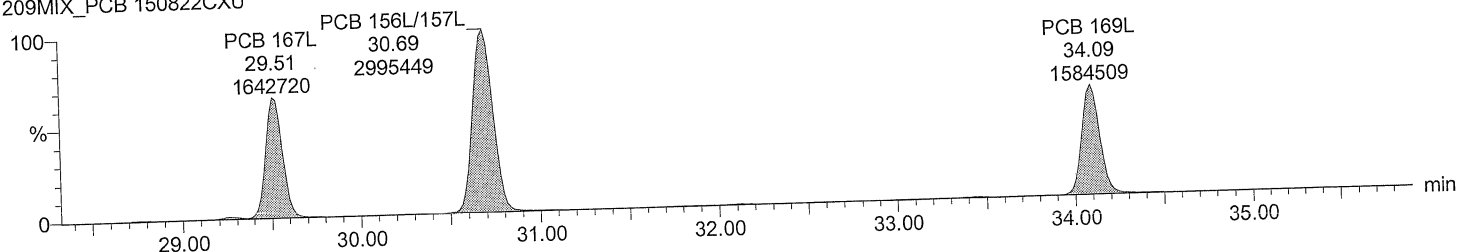
F6:SIR of 14 channels, EI+  
371.8817  
2.992e+007



Total HxCB labeled F6

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

F6:SIR of 14 channels, EI+  
373.8788  
2.314e+007



**Quantify Sample Report MassLynx 4.0 SP1**

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time  
 Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

**Description: 209MIX\_PCB 150822CXU**

Vial: 1

Date: 19-FEB-2016

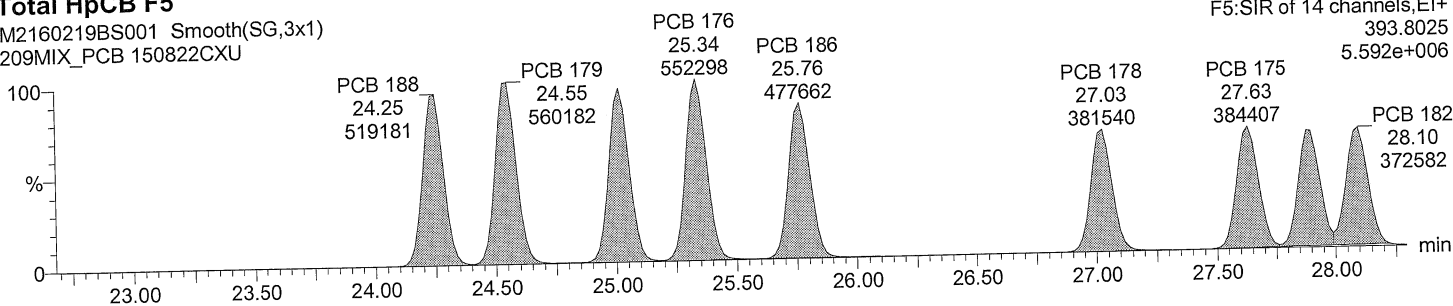
Time: 12:07:03

Instrument: Autospec-UltimaE

**Total HpCB F5**

M2160219BS001 Smooth(SG,3x1)  
 209MIX\_PCB 150822CXU

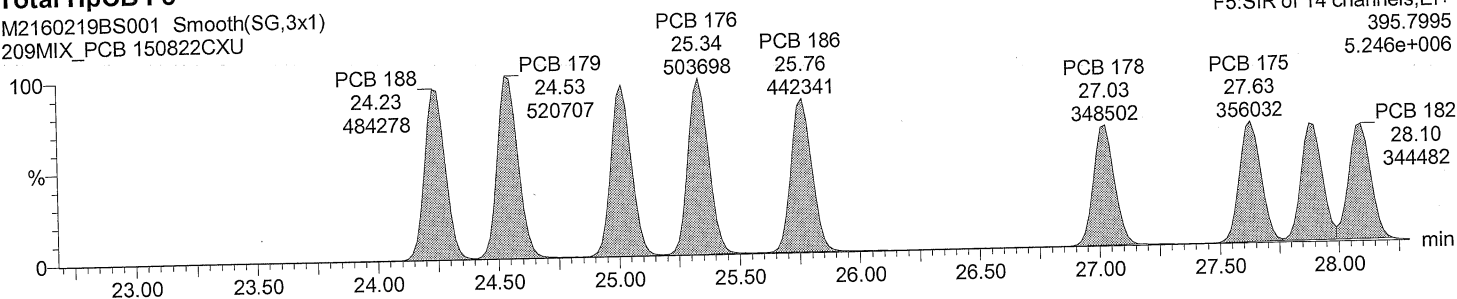
F5:SIR of 14 channels,EI+  
 393.8025  
 5.592e+006



**Total HpCB F5**

M2160219BS001 Smooth(SG,3x1)  
 209MIX\_PCB 150822CXU

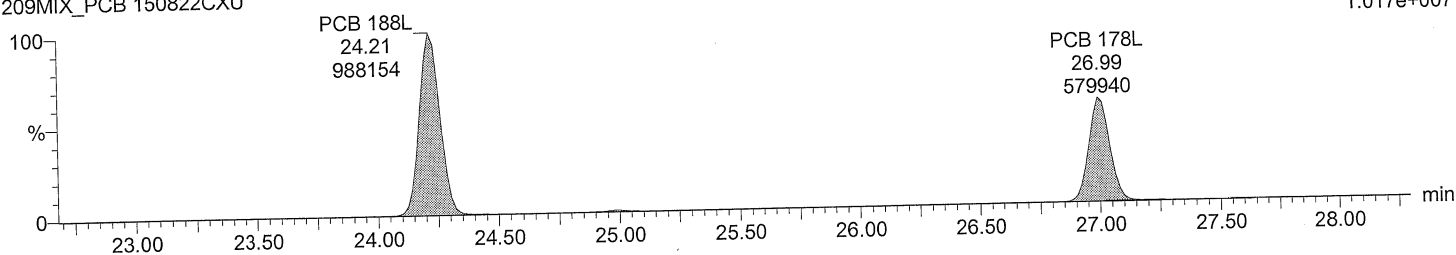
F5:SIR of 14 channels,EI+  
 395.7995  
 5.246e+006



**Total HpCB labeled F5**

M2160219BS001 Smooth(SG,3x1)  
 209MIX\_PCB 150822CXU

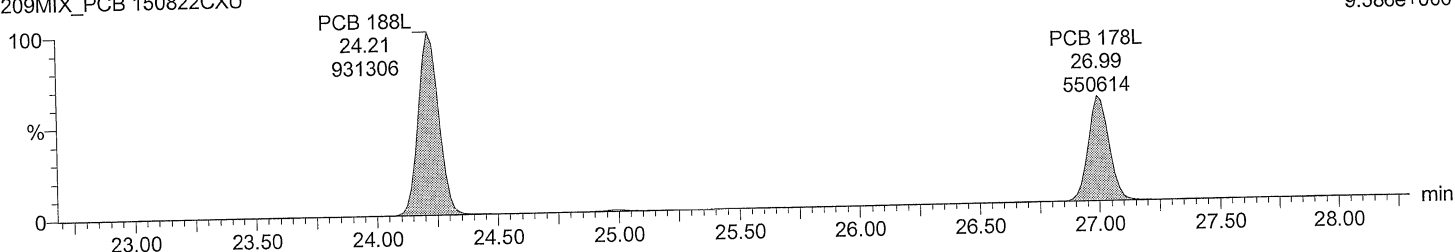
F5:SIR of 14 channels,EI+  
 405.8428  
 1.017e+007



**Total HpCB labeled F5**

M2160219BS001 Smooth(SG,3x1)  
 209MIX\_PCB 150822CXU

F5:SIR of 14 channels,EI+  
 407.8398  
 9.586e+006



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

**Description: 209MIX\_PCB 150822CXU**

Vial: 1

Date: 19-FEB-2016

Time: 12:07:03

Instrument: Autospec-UltimaE

**Total HpCB F6**

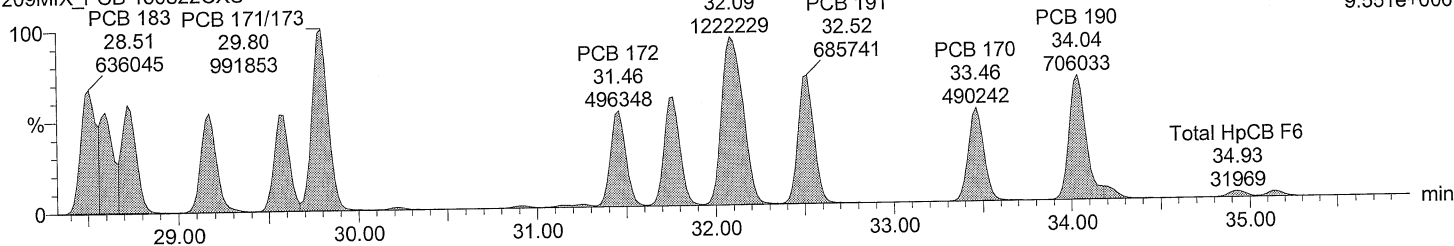
M2160219BS001 Smooth(SG,1x1)

209MIX\_PCB 150822CXU

F6:SIR of 14 channels,EI+

393.8025

9.551e+006



**Total HpCB F6**

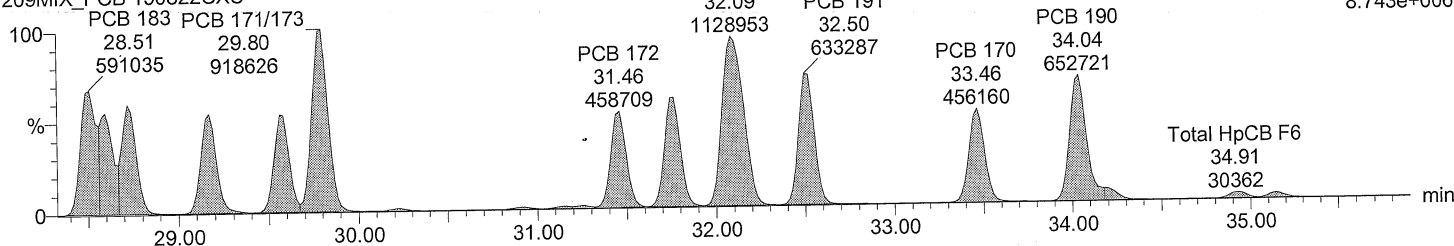
M2160219BS001 Smooth(SG,1x1)

209MIX\_PCB 150822CXU

F6:SIR of 14 channels,EI+

395.7995

8.743e+006



**Total HpCB labeled F6**

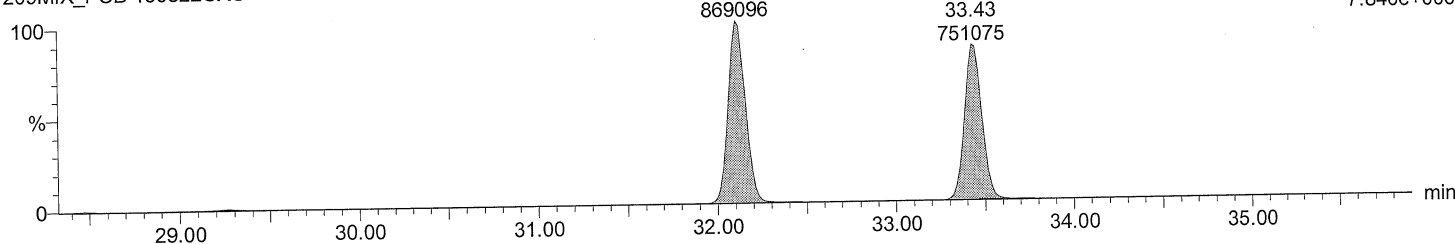
M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU

F6:SIR of 14 channels,EI+

405.8428

7.840e+006



**Total HpCB labeled F6**

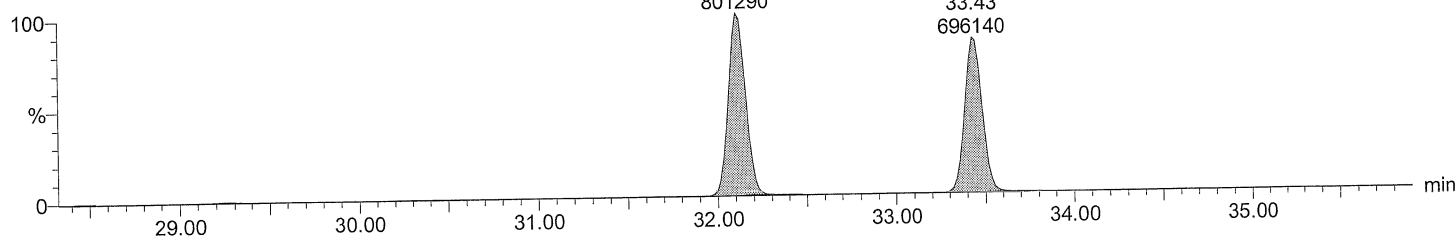
M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU

F6:SIR of 14 channels,EI+

407.8398

7.282e+006





**Quantify Sample Report MassLynx 4.0 SP1**

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

**Description: 209MIX\_PCB 150822CXU**

**Vial: 1**

**Date: 19-FEB-2016**

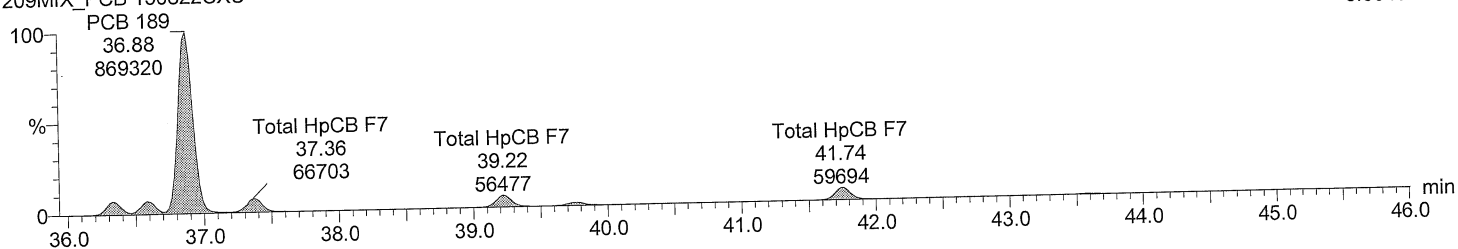
**Time: 12:07:03**

**Instrument: Autospec-UltimaE**

**Total HpCB F7**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

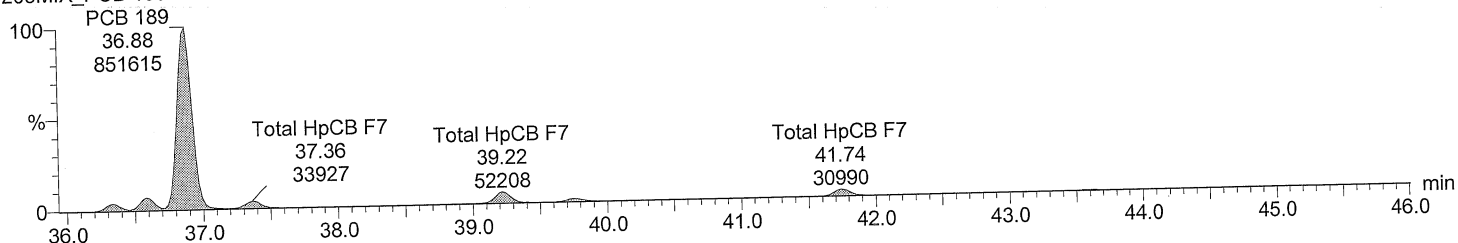
F7:SIR of 18 channels,EI+  
393.8025  
6.904e+006



**Total HpCB F7**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

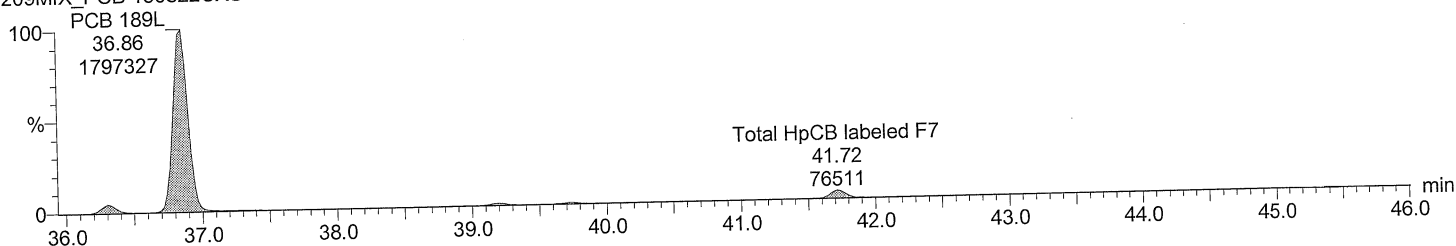
F7:SIR of 18 channels,EI+  
395.7995  
6.755e+006



**Total HpCB labeled F7**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

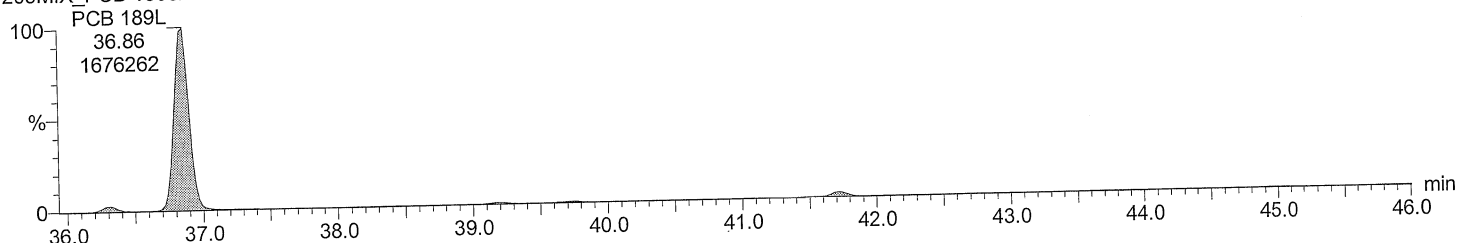
F7:SIR of 18 channels,EI+  
405.8428  
1.419e+007



**Total HpCB labeled F7**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

F7:SIR of 18 channels,EI+  
407.8398  
1.325e+007



Quantify Sample Report MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

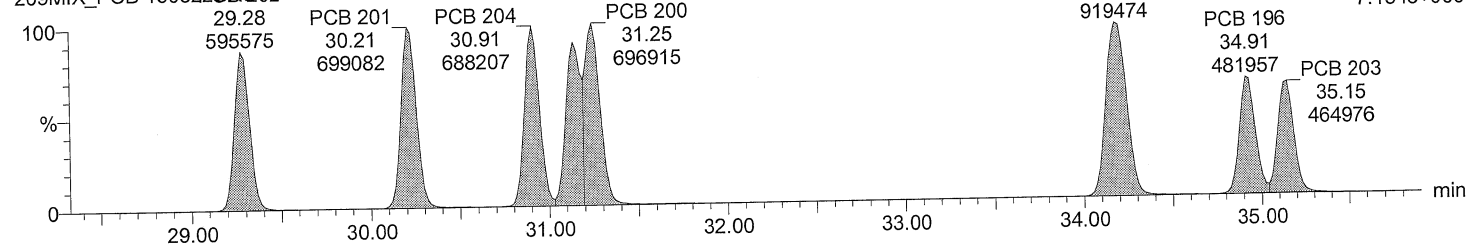
Time: 12:07:03

Instrument: Autospec-UltimaE

Total OcCB F6

M2160219BS001 Smooth(SG,1x1)

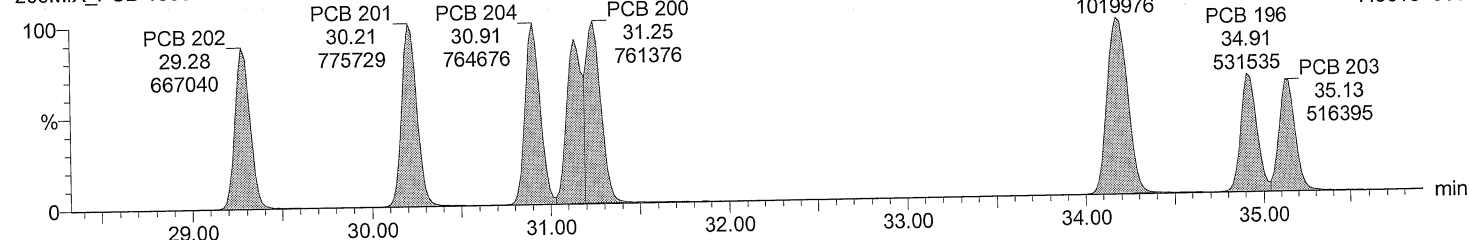
209MIX\_PCB 150822CXU



Total OcCB F6

M2160219BS001 Smooth(SG,1x1)

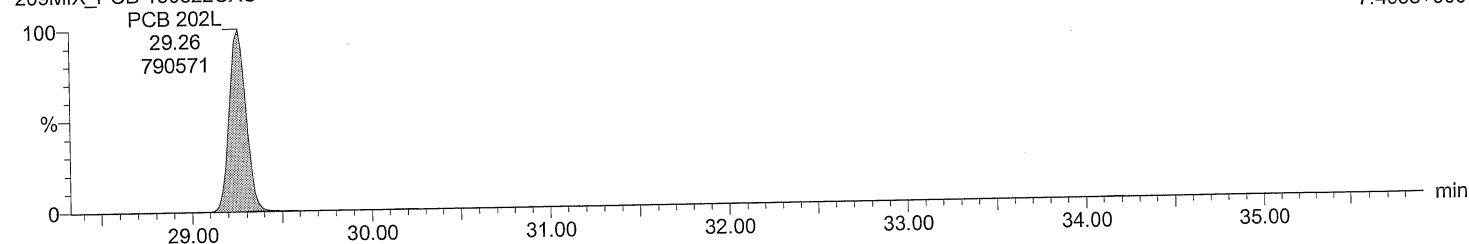
209MIX\_PCB 150822CXU



Total OcCB labeled F6

M2160219BS001 Smooth(SG,3x1)

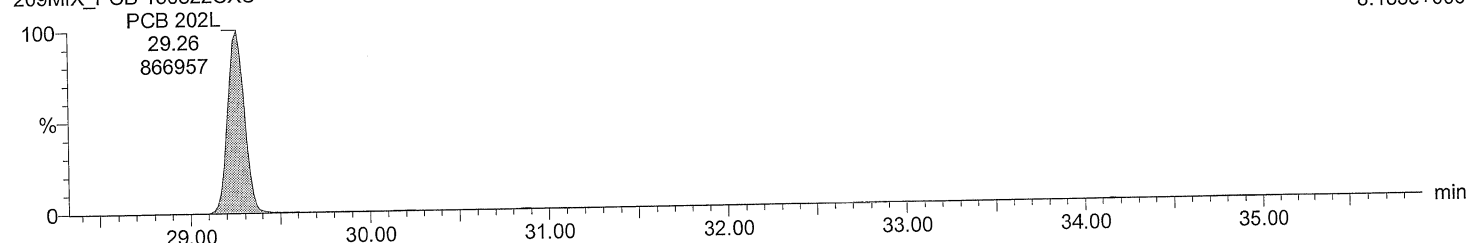
209MIX\_PCB 150822CXU



Total OcCB labeled F6

M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU



**Quantify Sample Report**    **MassLynx 4.0 SP1**

Acquired Date

Dataset:            C:\MassLynx\Default.pro\QLDM2160219\_209MIX\_Test.qld

Last Altered:      February 21, 2016 4:43:25 PM Eastern Standard Time

Printed:            February 21, 2016 4:43:58 PM Eastern Standard Time

**Description: 209MIX\_PCB 150822CXU**

**Vial: 1**

**Date: 19-FEB-2016**

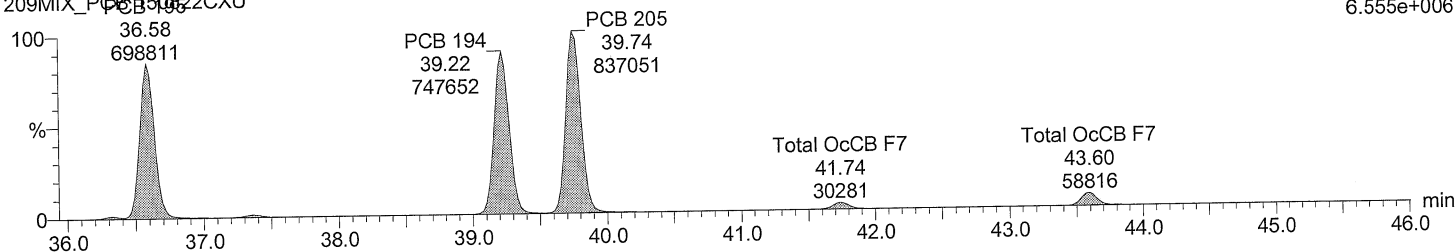
**Time: 12:07:03**

**Instrument: Autospec-UltimaE**

**Total OcCB F7**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

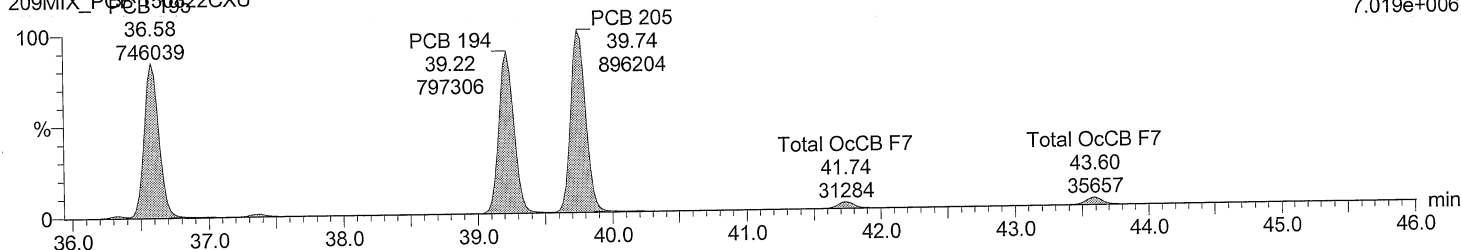
F7:SIR of 18 channels,EI+  
427.7635  
6.555e+006



**Total OcCB F7**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

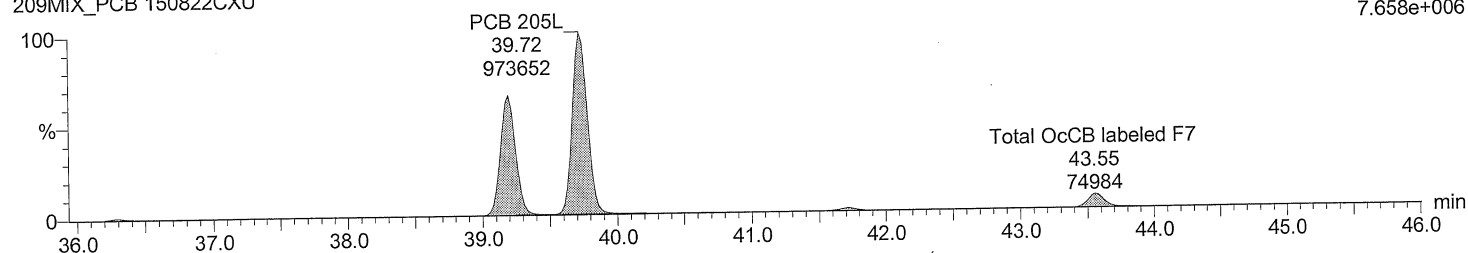
F7:SIR of 18 channels,EI+  
429.7606  
7.019e+006



**Total OcCB labeled F7**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

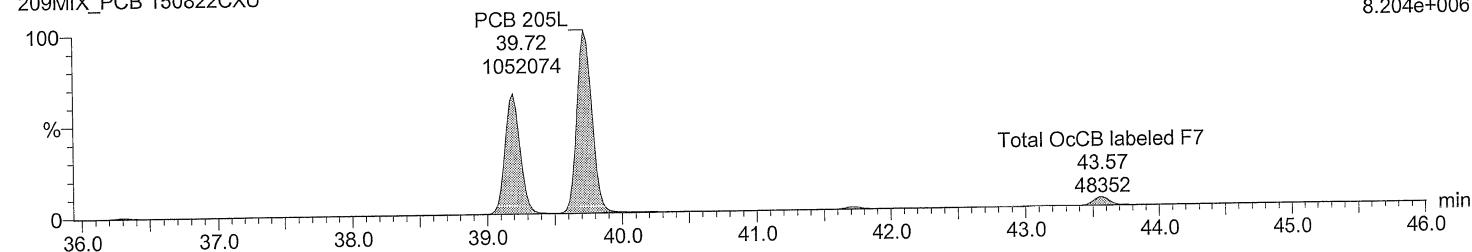
F7:SIR of 18 channels,EI+  
439.8038  
7.658e+006



**Total OcCB labeled F7**

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

F7:SIR of 18 channels,EI+  
441.8008  
8.204e+006



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

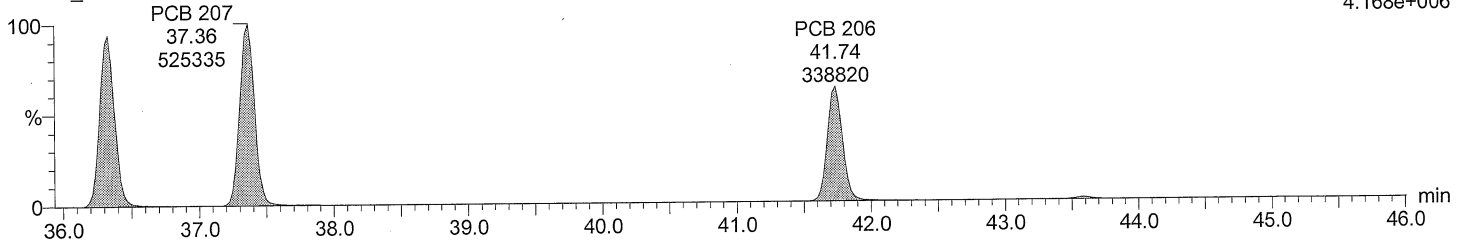
Time: 12:07:03

Instrument: Autospec-UltimaE

Total NoCB F7

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

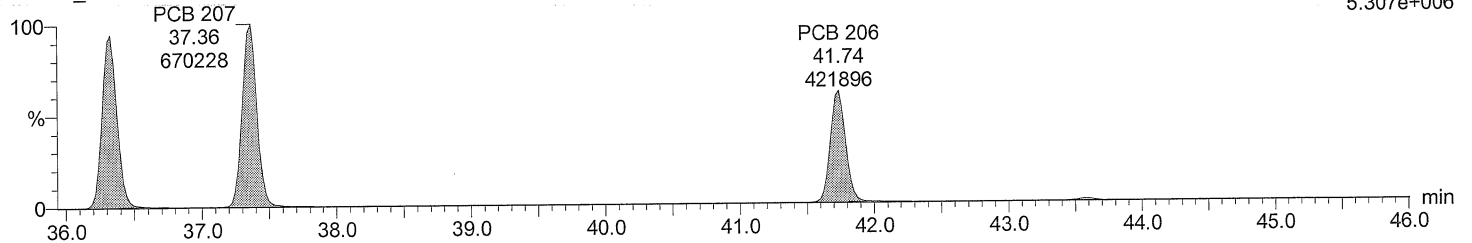
F7:SIR of 18 channels,EI+  
461.7246  
4.168e+006



Total NoCB F7

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

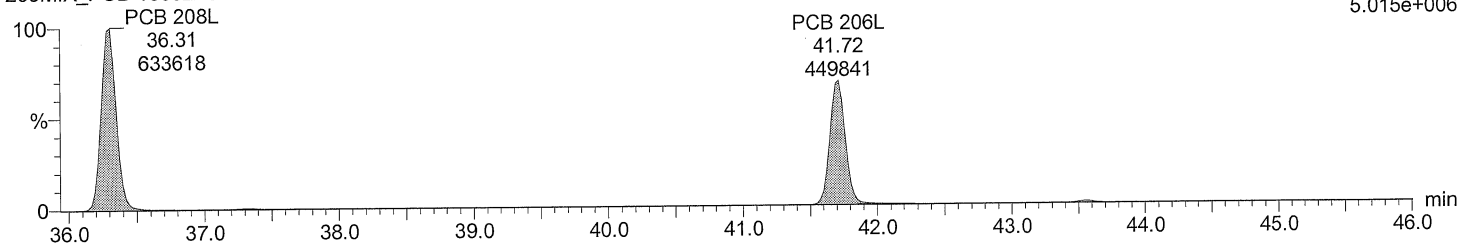
F7:SIR of 18 channels,EI+  
463.7216  
5.307e+006



Total NoCB labeled F7

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

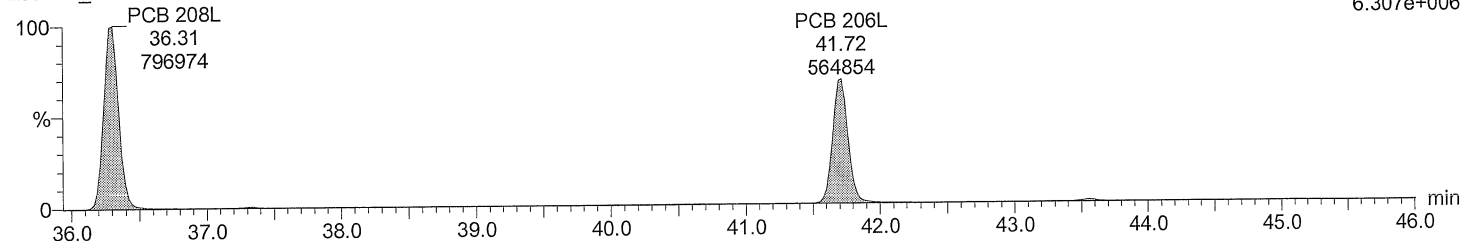
F7:SIR of 18 channels,EI+  
473.7648  
5.015e+006



Total NoCB labeled F7

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

F7:SIR of 18 channels,EI+  
475.7619  
6.307e+006



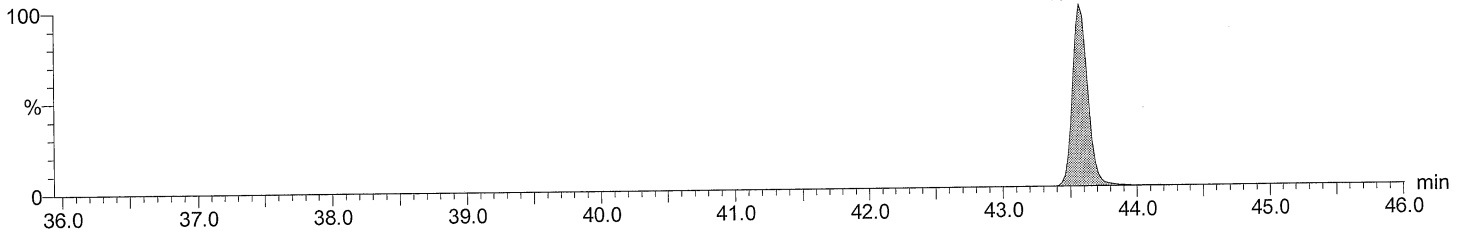
Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld  
Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time  
Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 12:07:03  
Instrument: Autospec-UltimaE

Total DeCB F7

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

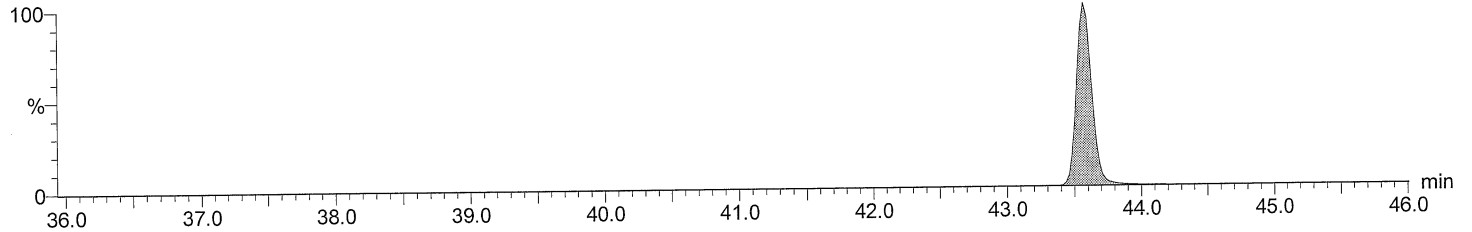
PCB 209 F7:SIR of 18 channels, EI+  
43.57 497.6826  
462575 3.539e+006



Total DeCB F7

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

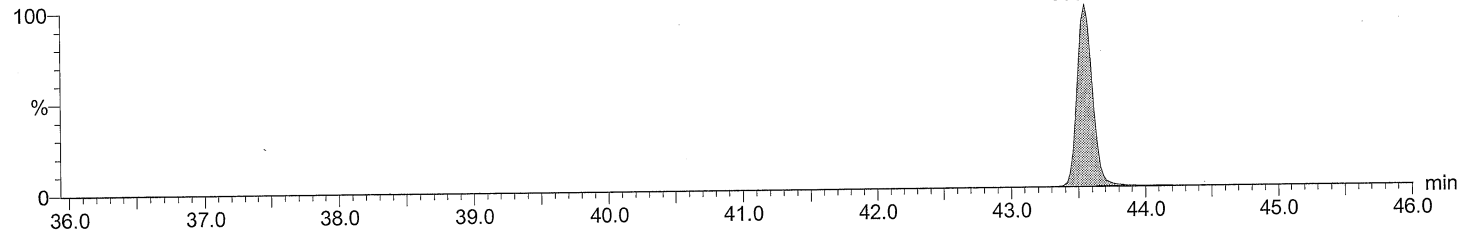
PCB 209 F7:SIR of 18 channels, EI+  
43.57 499.6797  
379398 2.899e+006



Total DeCB labeled F7

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

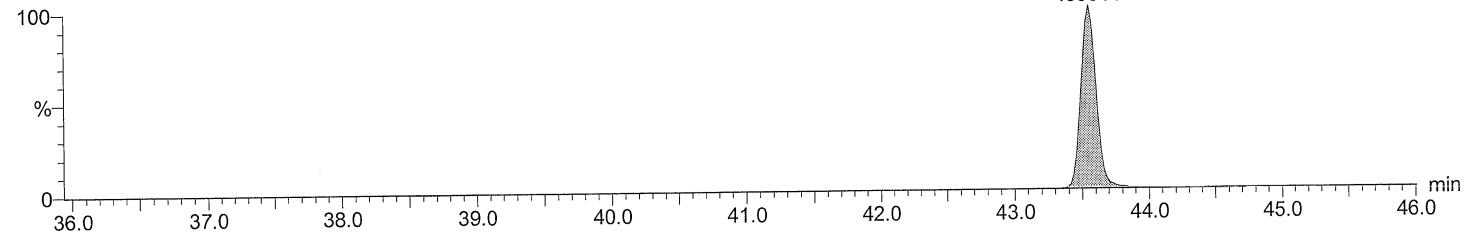
PCB 209L F7:SIR of 18 channels, EI+  
43.55 509.7229  
556879 4.261e+006



Total DeCB labeled F7

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

PCB 209L F7:SIR of 18 channels, EI+  
43.55 511.7199  
459311 3.517e+006



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLDIM2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Description: 209MIX\_PCB 150822CXU

Vial: 1

Date: 19-FEB-2016

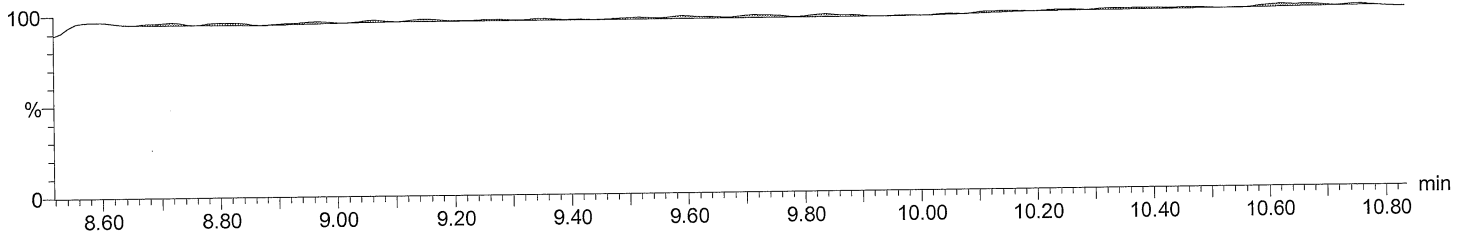
Time: 12:07:03

Instrument: Autospec-UltimaE

lockmass F1

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

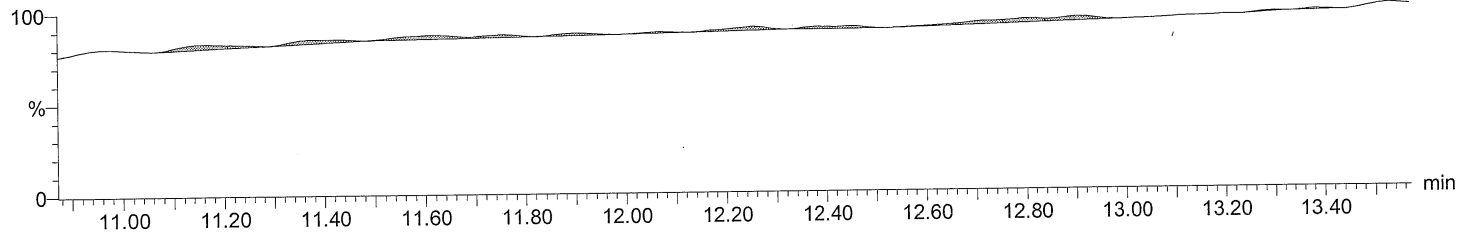
F1:SIR of 10 channels, EI+  
218.9856  
8.643e+006



lockmass F2

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

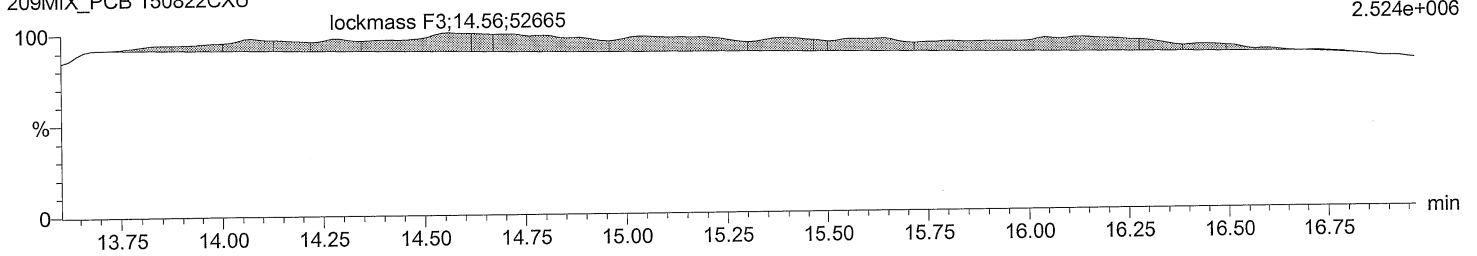
F2:SIR of 16 channels, EI+  
242.9856  
2.826e+006



lockmass F3

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

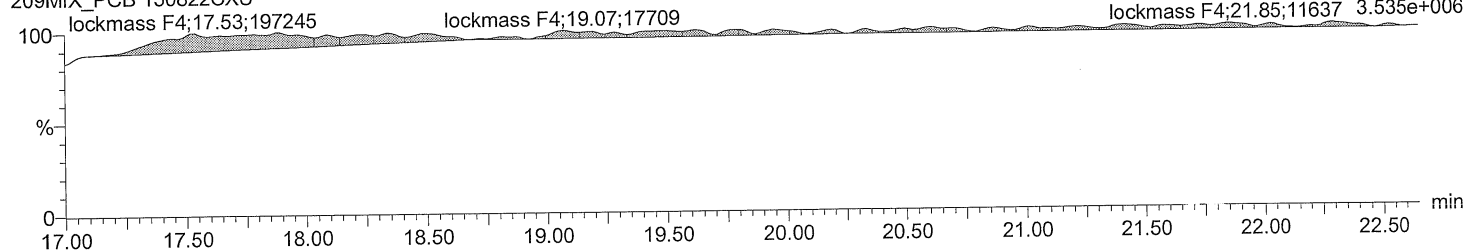
F3:SIR of 14 channels, EI+  
292.9824  
2.524e+006



lockmass F4

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

F4:SIR of 14 channels, EI+  
330.9792  
3.535e+006



**Quantify Sample Report MassLynx 4.0 SP1**

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

**Description: 209MIX\_PCB 150822CXU**

**Vial: 1**

**Date: 19-FEB-2016**

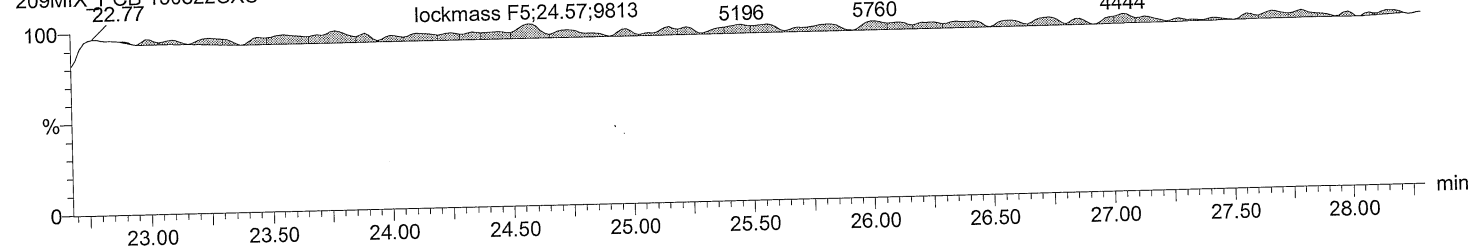
**Time: 12:07:03**

**Instrument: Autospec-UltimaE**

**lockmass F5**

M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU

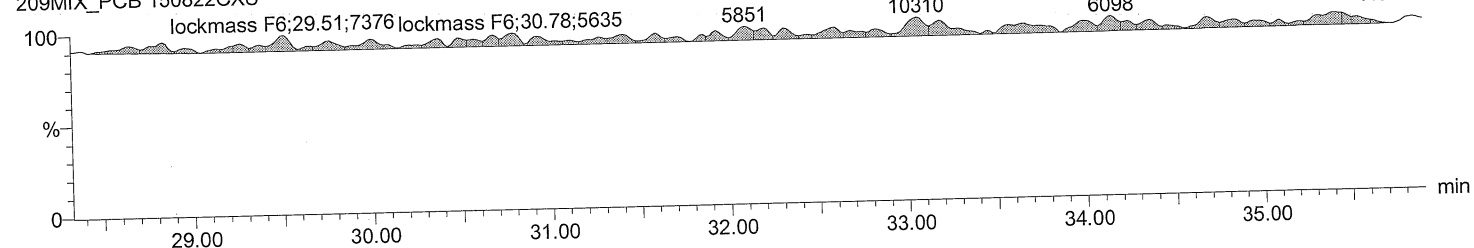


F5:SIR of 14 channels, EI+  
354.9792  
1.121e+006

**lockmass F6**

M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU

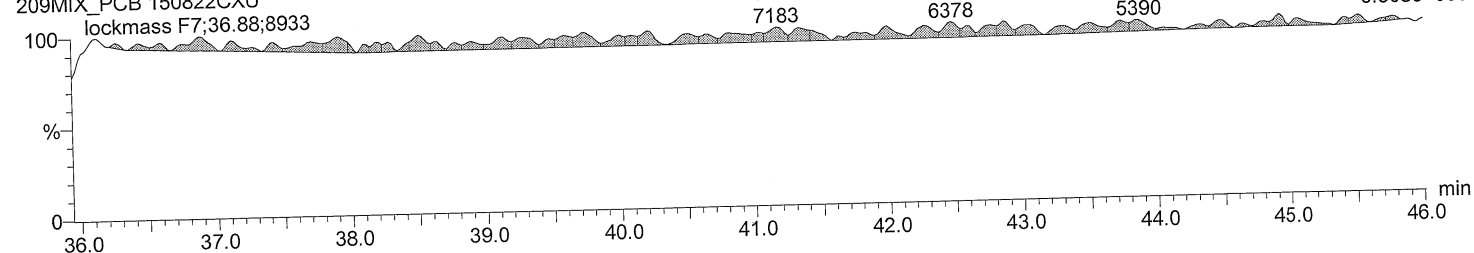


F6:SIR of 14 channels, EI+  
404.9760  
7.845e+005

**lockmass F7**

M2160219BS001 Smooth(SG,3x1)

209MIX\_PCB 150822CXU



F7:SIR of 18 channels, EI+  
454.9728  
6.508e+005

Dataset:            C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered:      February 21, 2016 4:43:25 PM Eastern Standard Time

Printed:            February 21, 2016 4:43:58 PM Eastern Standard Time

Date	Time	Event	RT	Details	Comments
21-Feb-16	16:33:05	Process Integrate			
21-Feb-16	16:33:05	Process Calibrate			
21-Feb-16	16:33:06	Process Quantify			
21-Feb-16	16:33:06	Dataset Created			
21-Feb-16	16:33:18	Dataset Saved		Saved to 'C:\MassLynx\Default.pro\QLD\M21602...	
21-Feb-16	16:34:13	Peak deleted	11.688	Sample:M2160219BS001, Compound:Total DiC...	
21-Feb-16	16:34:13	Pre modification peak	11.562	Sample:M2160219BS001, Compound:Total DiC...	
21-Feb-16	16:34:13	Peak modified	11.520	Sample:M2160219BS001, Compound:Total DiC...	
21-Feb-16	16:34:13	Peak added	11.562	Sample:M2160219BS001, Compound:Total DiC...	
21-Feb-16	16:34:13	Peak deleted	11.688	Sample:M2160219BS001, Compound:Total DiC...	
21-Feb-16	16:34:13	Pre modification peak	11.562	Sample:M2160219BS001, Compound:Total DiC...	
21-Feb-16	16:34:13	Peak modified	11.520	Sample:M2160219BS001, Compound:Total DiC...	
21-Feb-16	16:34:13	Peak added	11.562	Sample:M2160219BS001, Compound:Total DiC...	
21-Feb-16	16:35:14	Pre modification peak	12.859	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:14	Peak modified	12.859	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:14	Peak added	12.901	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:14	Pre modification peak	12.859	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:14	Peak modified	12.859	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:14	Pre modification peak	12.796	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:14	Peak modified	12.796	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:14	Peak added	12.901	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:41	Peak modified	12.859	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:41	Peak modified	12.880	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:41	Peak modified	12.859	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:41	Peak modified	12.880	Sample:M2160219BS001, Compound:Total TriC...	
21-Feb-16	16:35:56	Method modified			
21-Feb-16	16:36:00	Process Quantify			
21-Feb-16	16:37:30	Pre modification peak	18.710	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak modified	18.710	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Pre modification peak	19.476	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak modified	19.476	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	19.636	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	19.797	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	20.171	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	21.222	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Pre modification peak	21.436	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak modified	21.436	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Pre modification peak	18.710	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak modified	18.710	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	19.636	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	19.797	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	19.921	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	20.189	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	20.420	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak deleted	21.222	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Pre modification peak	21.436	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:37:30	Peak modified	21.436	Sample:M2160219BS001, Compound:Total TeC...	
21-Feb-16	16:38:42	Pre modification peak	17.926	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak modified	17.926	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak deleted	18.176	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak deleted	20.082	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Pre modification peak	20.242	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak modified	20.242	Sample:M2160219BS001, Compound:Total PeC...	



Acquired Date

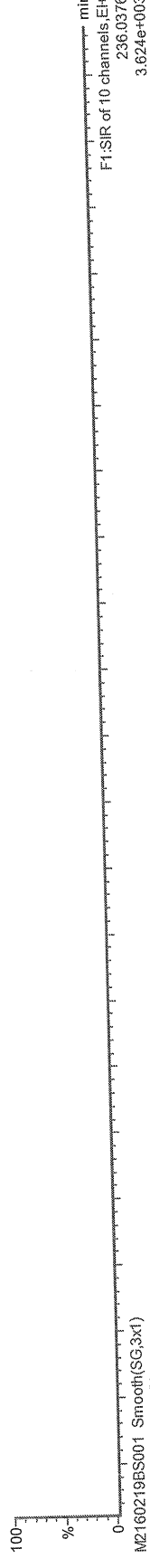
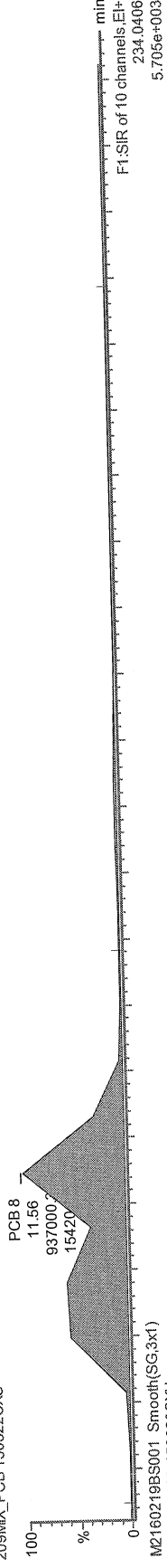
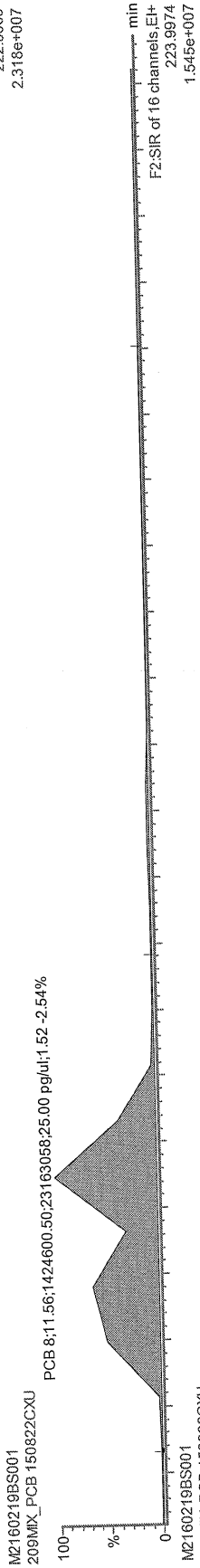
Dataset: C:\MassLynx\Default.pro\QLD\M2160219\_209MIX\_Test.qld

Last Altered: February 21, 2016 4:43:25 PM Eastern Standard Time

Printed: February 21, 2016 4:43:58 PM Eastern Standard Time

Date	Time	Event	RT	Details	Comments
21-Feb-16	16:38:42	Pre modification peak	21.151	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak modified	21.222	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Pre modification peak	21.222	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak modified	21.329	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak deleted	20.100	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Pre modification peak	20.242	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak modified	20.242	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak deleted	21.026	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Pre modification peak	21.222	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:38:42	Peak modified	21.222	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:39:28	Pre modification peak	22.505	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:39:28	Peak modified	22.505	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:39:28	Pre modification peak	22.523	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:39:28	Peak modified	22.523	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:39:45	Peak modified	22.505	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:39:45	Peak modified	22.523	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Pre modification peak	22.807	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak modified	22.807	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak deleted	22.949	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Pre modification peak	23.056	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak modified	23.056	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Pre modification peak	23.323	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak modified	23.323	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Pre modification peak	26.316	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak modified	26.316	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak added	26.227	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Pre modification peak	22.807	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak modified	22.807	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak deleted	22.949	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Pre modification peak	23.056	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak modified	23.056	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Pre modification peak	23.323	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak modified	23.323	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Pre modification peak	26.316	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak modified	26.316	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:40:59	Peak added	26.227	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:41:29	Pre modification peak	29.062	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:41:29	Peak modified	29.062	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:41:36	Peak deleted	29.294	Sample:M2160219BS001, Compound:Total HxC...	
21-Feb-16	16:42:09	Dataset Saved		Saved to 'C:\MassLynx\Default.pro\QLD\M21602...	
21-Feb-16	16:43:04	Pre modification peak	24.855	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:04	Peak modified	24.855	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:04	Pre modification peak	24.855	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:04	Peak modified	24.855	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:24	Peak deleted	24.552	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:24	Peak deleted	24.677	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:24	Peak modified	24.855	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:24	Peak deleted	24.552	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:24	Peak deleted	24.677	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:24	Peak modified	24.855	Sample:M2160219BS001, Compound:Total PeC...	
21-Feb-16	16:43:43	Dataset Saved		Saved to 'C:\MassLynx\Default.pro\QLD\M21602...	

F2:SIR of 16 channels.EI+  
222.0003  
2.318e+007



*Handwritten signature*

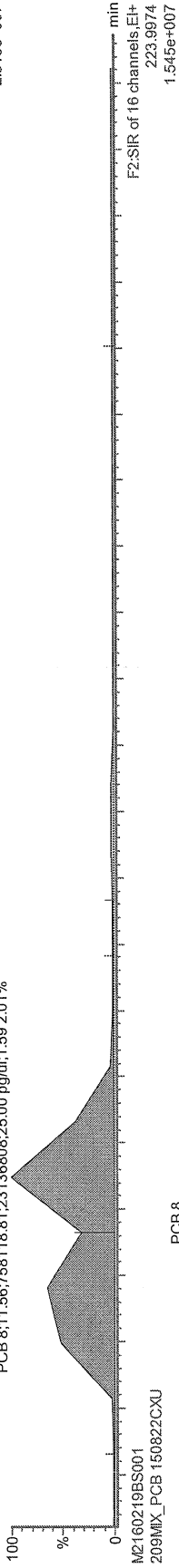
FEB 24 2016

2016-02-21

*Handwritten signature*

F2:SIR of 16 channels.EI+  
222.0003  
2.318e+007

M2160219BS001  
209MIX\_PCB 150822CXU  
PCB 8;11.56;758118.81;23136808;25.00 pg/wl;1.59 2.01%

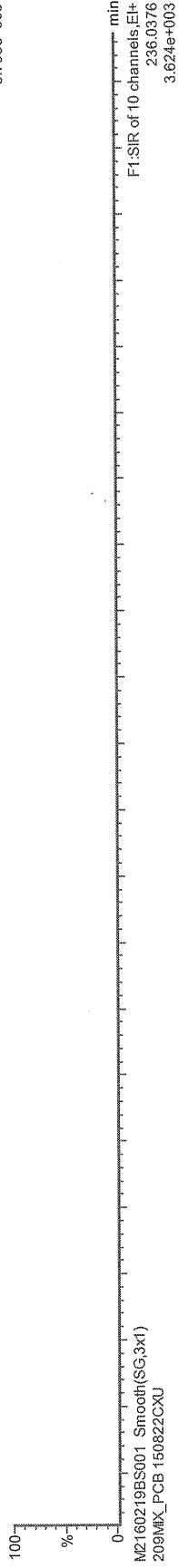


F2:SIR of 16 channels.EI+  
223.9974  
1.545e+007

M2160219BS001  
209MIX\_PCB 150822CXU  
PCB 8  
11.56  
476388  
15259

F1:SIR of 10 channels.EI+  
234.0406  
5.705e+003

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



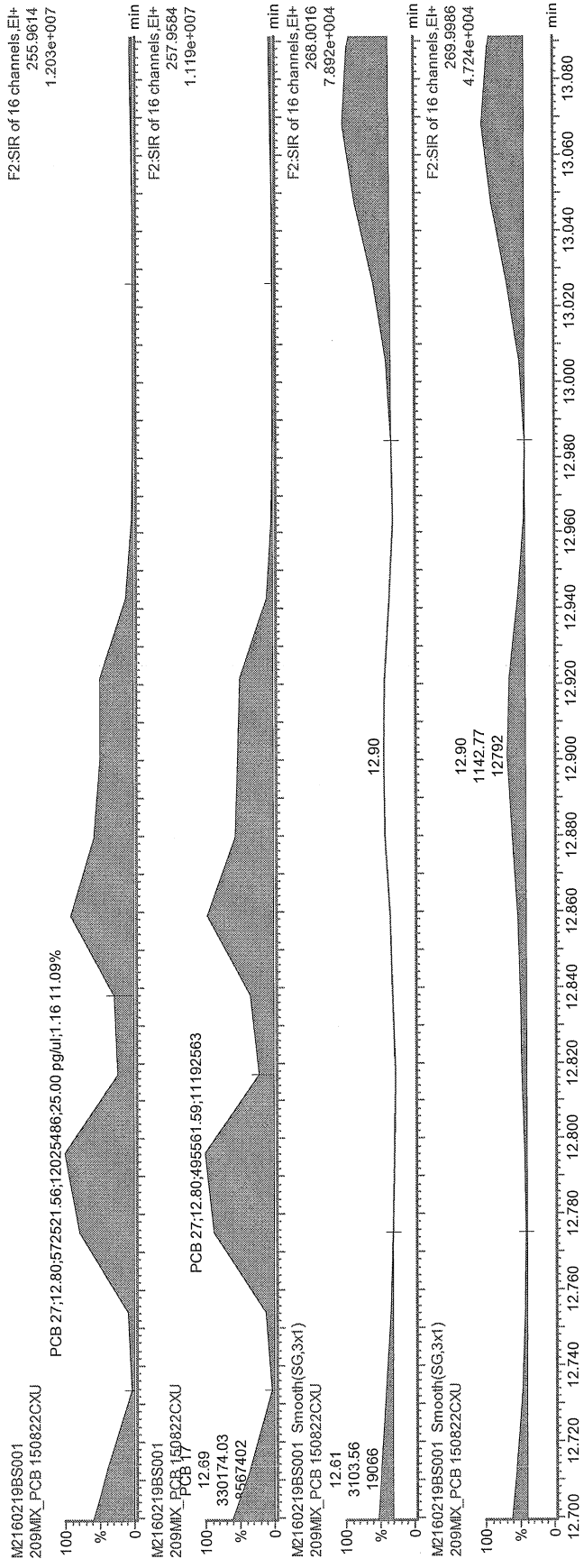
F1:SIR of 10 channels.EI+  
236.0376  
3.624e+003

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

MR

2016-02-21

FEB 24 2016



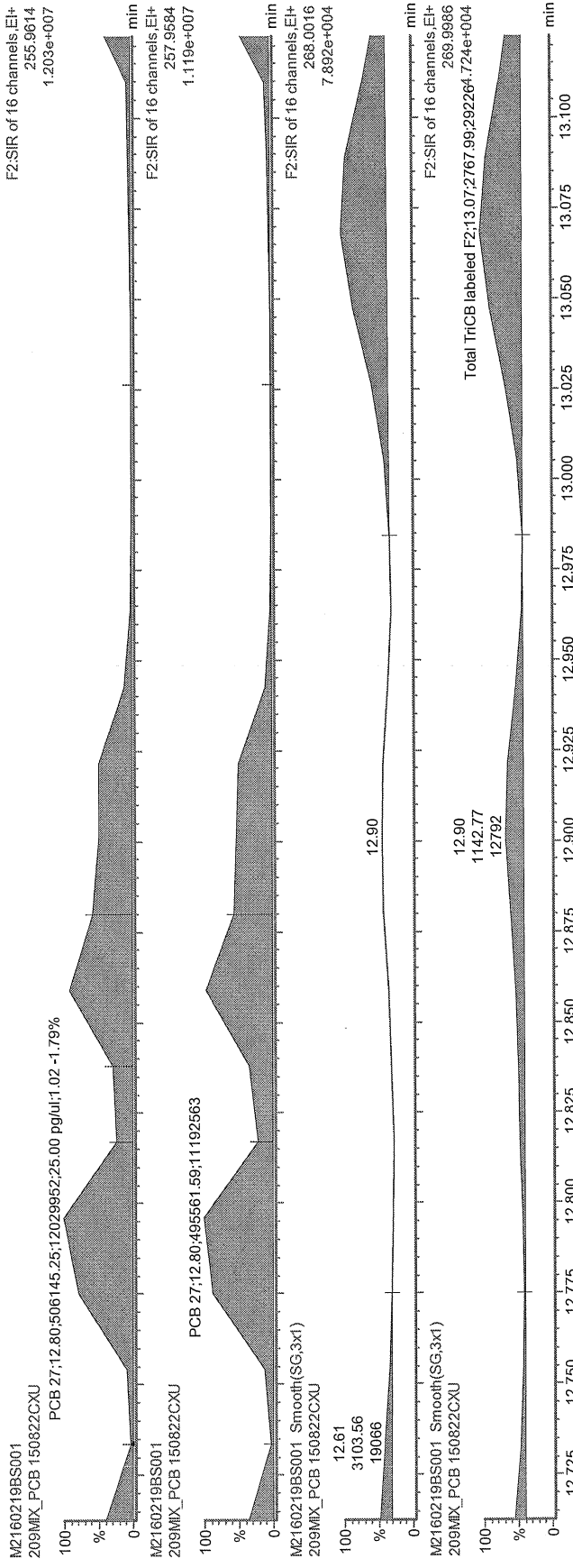
*bef*

2016-02-21

*se*

FEB 24 2016

*se*



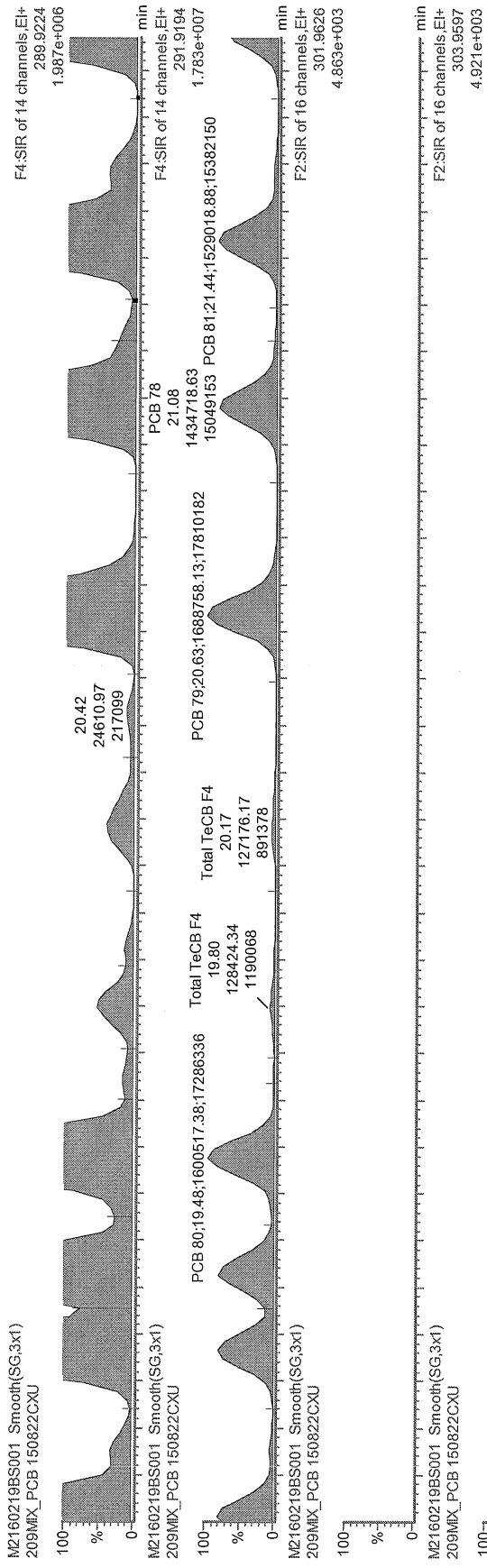
MZ

2016-02-21

✓

FEB 24 2016

CG



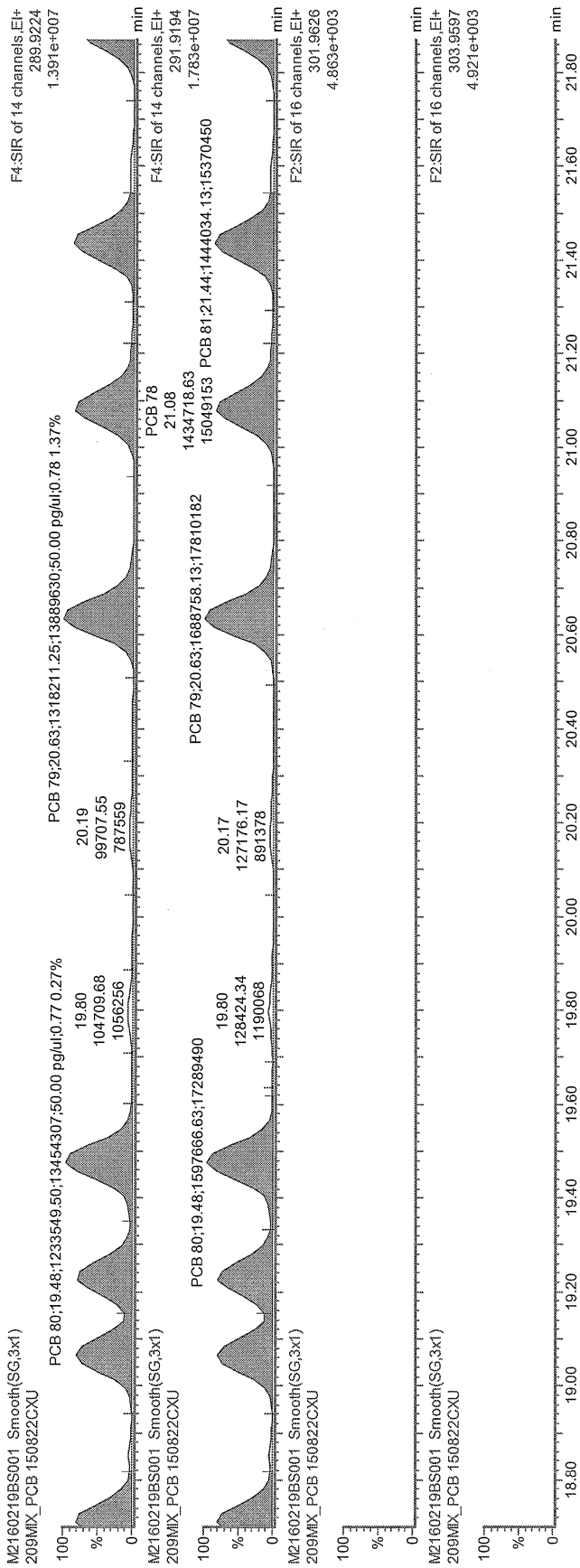
*ref*

2016-02-21

*[Handwritten signature]*

FEB 24 2016

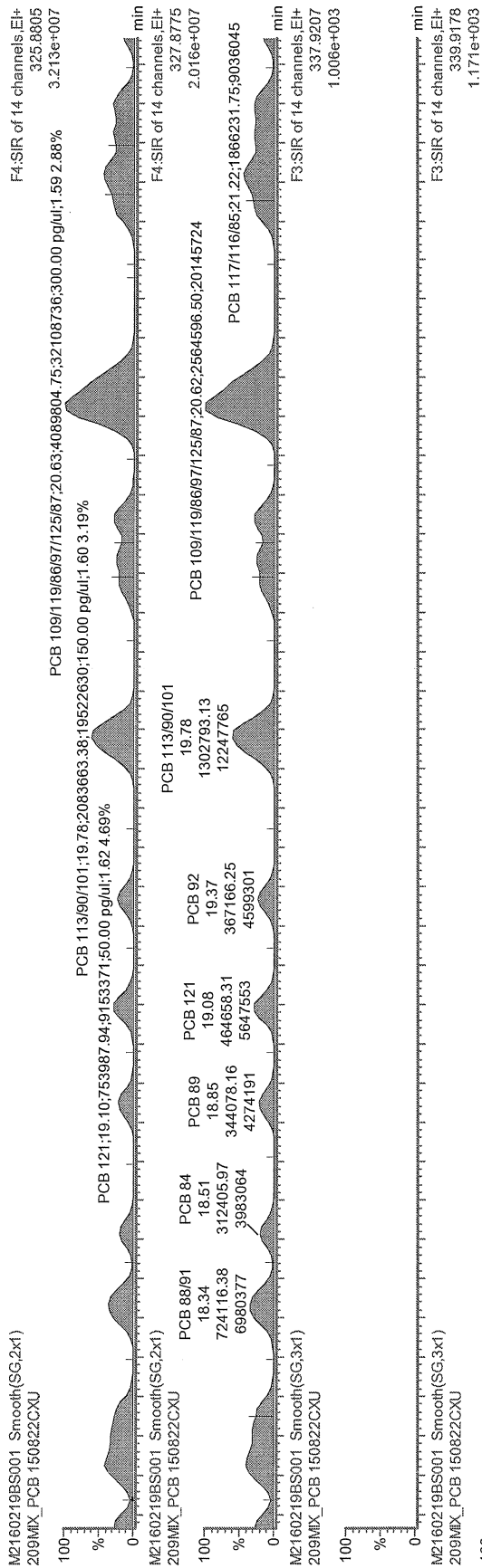
*[Handwritten signature]*



M

2016-02-21

FEB 24 2016

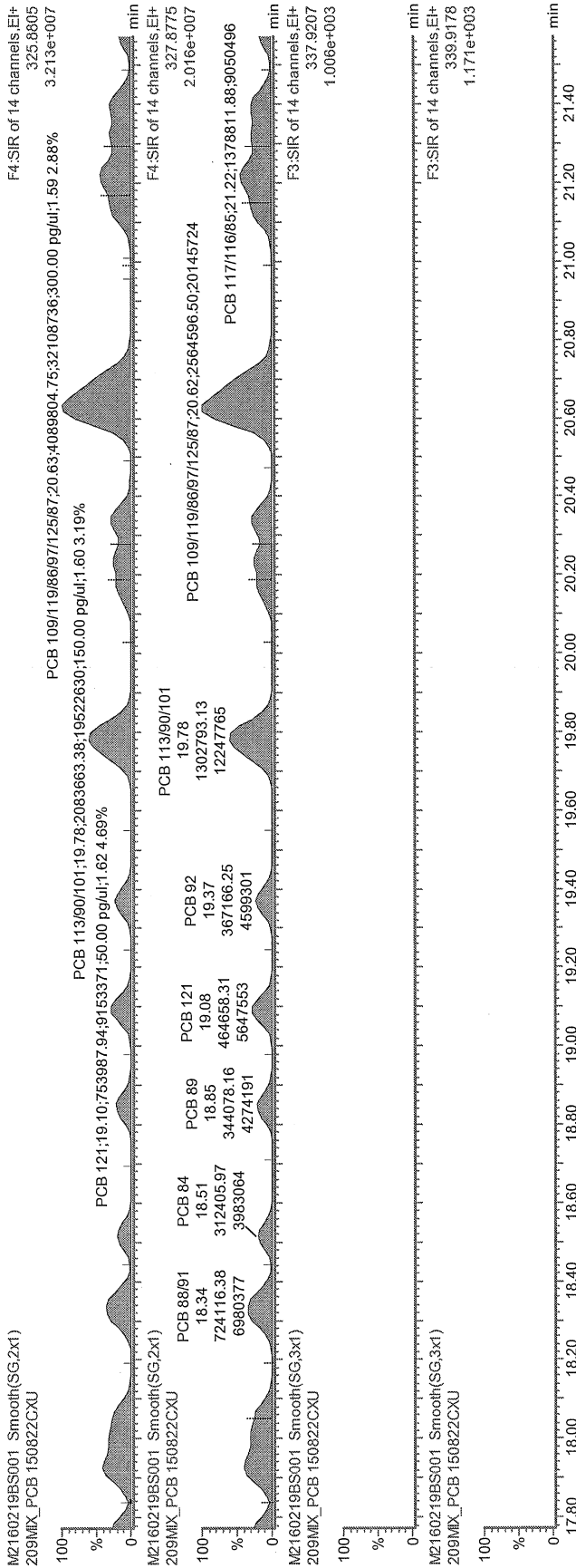


*hef*  
2016-02-21

FEB 24 2016

*hef*

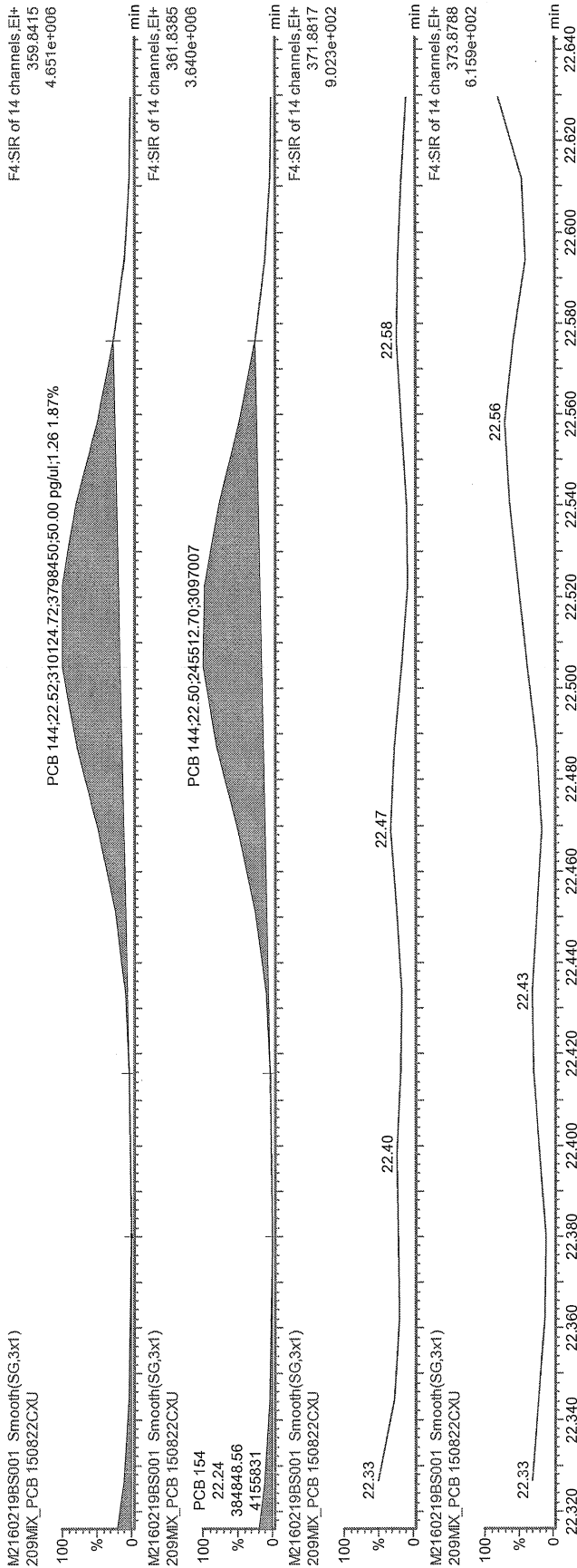




M

2016-02-21

FEB 24 2016



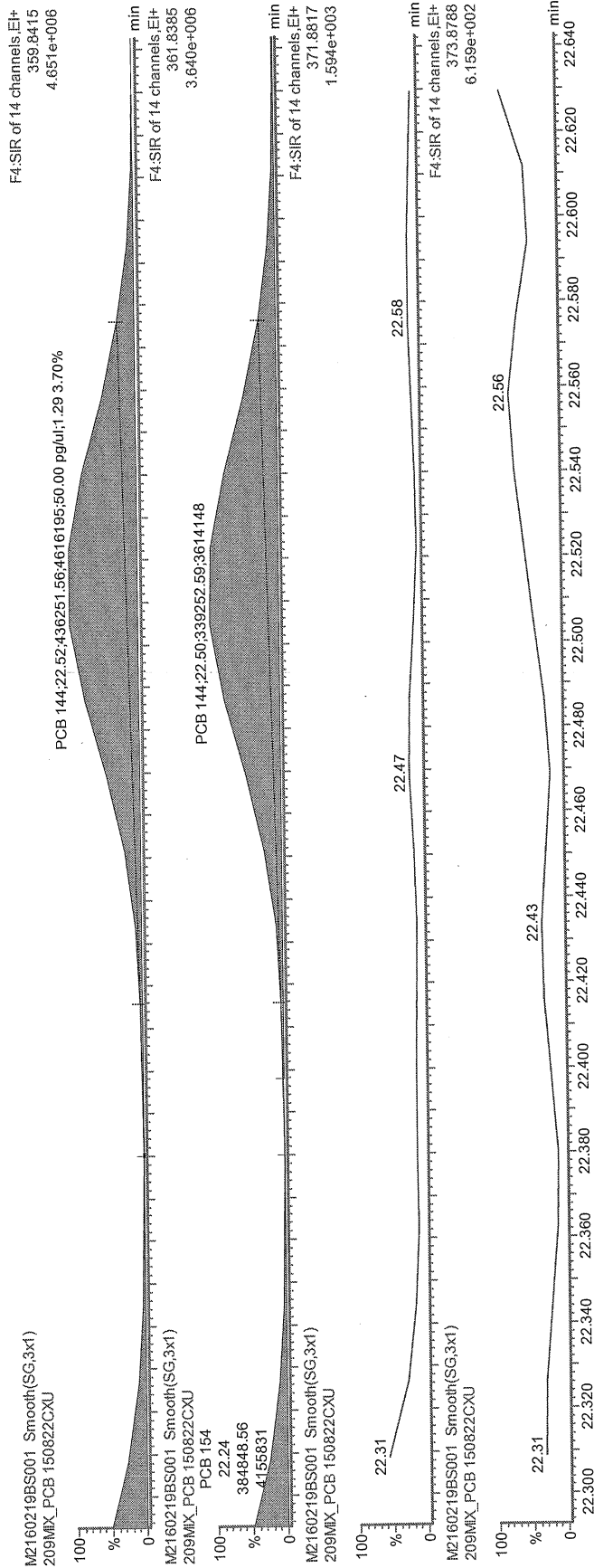
*bej*

2016-02-21

*[Handwritten signature]*

FEB 24 2016

*[Handwritten signature]*



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2016-02-21

*[Handwritten signature]*

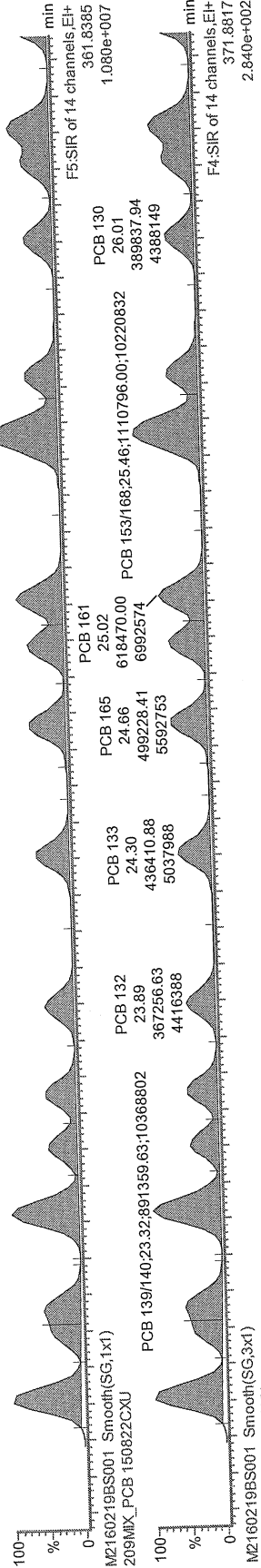
FEB 24 2016

*[Handwritten signature]*

F5:SIR of 14 channels.EI+  
359.8415  
1.386e+007

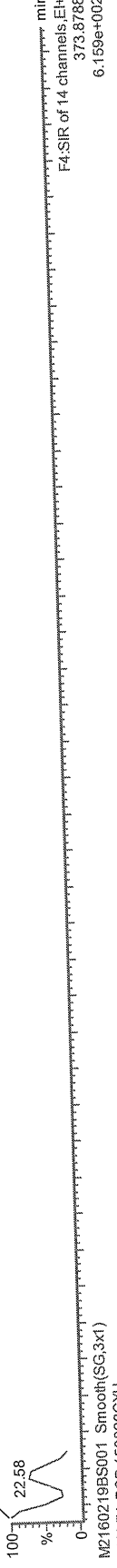
PCB 153/168;25.46;1434101.13;13199419;100.00 pg/ml;1.29 4.12%

M2160219BS001 Smooth(SG,1x1)  
209MIX\_PCB 150822CXU



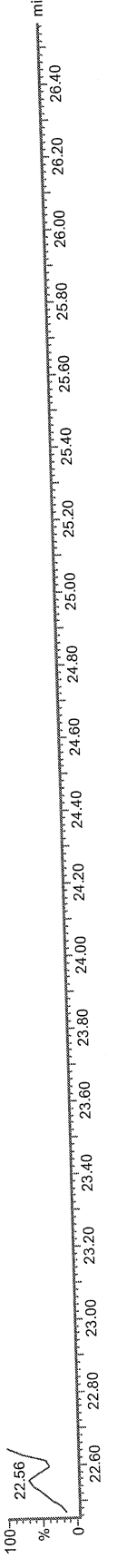
F5:SIR of 14 channels.EI+  
361.8385  
1.080e+007

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU



F4:SIR of 14 channels.EI+  
373.8788  
6.159e+002

M2160219BS001 Smooth(SG,3x1)  
209MIX\_PCB 150822CXU

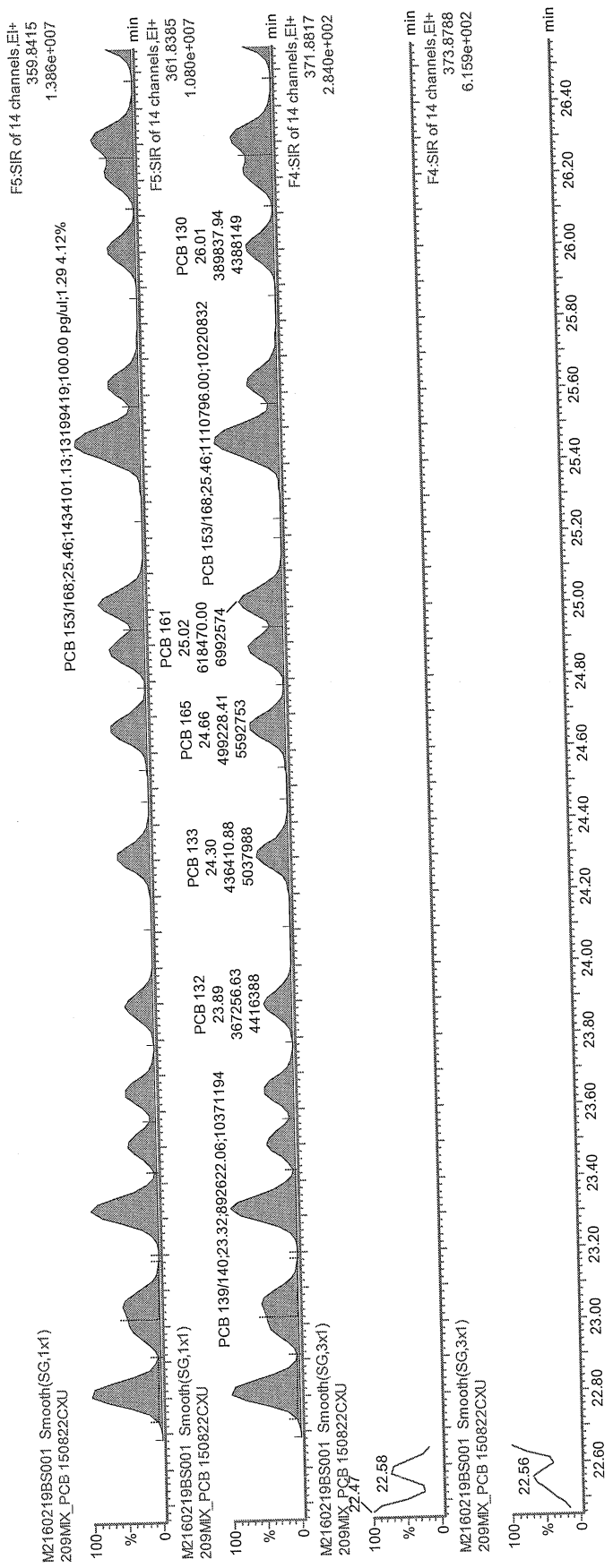


*bf*

2016-02-21

FEB 24 2016

*JK*



MS

2016-02-21

FEB 24 2016  
*g*

M2160219BS001

RUN#:	ANALYTE TABLE #	PCB NAME:	PCB RT:	RRT REF STD #:	STD RT:	RRT:
	1	1	9	165	9	1.000
	2	2	10.1	166	10.19	0.991
	3	3	10.2	166	10.19	1.001
	4	4	10.31	167	10.3	1.001
	5	10	10.39	167	10.3	1.009
	6	9	11.21	167	10.3	1.088
	7	7	11.27	167	10.3	1.094
	8	6	11.37	167	10.3	1.104
	9	5	11.52	167	10.3	1.118
	10	8	11.56	167	10.3	1.122
	11	14	12.27	168	12.94	0.948
	12	11	12.65	168	12.94	0.978
	13	13/12	12.8	168	12.94	0.989
	14	15	12.94	168	12.94	1.000
	15	19	11.69	169	11.69	1.000
	16	30/18	12.5	169	11.69	1.069
	17	17	12.69	169	11.69	1.086
	18	27	12.8	169	11.69	1.095
	19	24	12.86	169	11.69	1.100
	20	16	12.88	169	11.69	1.102
	21	32	13.15	169	11.69	1.125
	22	34	13.75	169	11.69	1.176
	23	23	13.84	169	11.69	1.184
	24	26/29	14	169	11.69	1.198
	25	25	14.11	170	16.69	0.845
	26	31	14.27	170	16.69	0.855
	27	28/20	14.44	170	16.69	0.865
	28	21/33	14.54	170	16.69	0.871
	29	22	14.76	170	16.69	0.884
	30	36	15.61	170	16.69	0.935
	31	39	15.81	170	16.69	0.947
	32	38	16.19	170	16.69	0.970
	33	35	16.44	170	16.69	0.985
	34	37	16.71	170	16.69	1.001
	35	54	13.09	171	13.07	1.002
	36	53/50	14.13	171	13.07	1.081
	37	45/51	14.49	171	13.07	1.109
	38	46	14.65	171	13.07	1.121
	39	52	15.38	171	13.07	1.177
	40	73	15.45	171	13.07	1.182
	41	43	15.52	171	13.07	1.187
	42	69/49	15.65	171	13.07	1.197
	43	48	15.85	171	13.07	1.213
	44	44/47/65	15.99	171	13.07	1.223
	45	59/62/75	16.17	171	13.07	1.237
	46	42	16.28	171	13.07	1.246
	47	40/41/71	16.57	171	13.07	1.268
	48	64	16.71	171	13.07	1.279
	49	72	17.21	172	21.42	0.803
	50	68	17.41	172	21.42	0.813
	51	57	17.68	172	21.42	0.825
	52	58	17.84	172	21.42	0.833
	53	67	17.96	172	21.42	0.838
	54	63	18.14	172	21.42	0.847
	55	61/70/74/76	18.35	172	21.42	0.857
	56	66	18.59	172	21.42	0.868
	57	55	18.71	172	21.42	0.873
	58	56	19.07	172	21.42	0.890
	59	60	19.23	172	21.42	0.898
	60	80	19.48	172	21.42	0.909
	61	79	20.63	172	21.42	0.963
	62	78	21.08	172	21.42	0.984
	63	81	21.44	172	21.42	1.001
	64	77	21.88	173	21.86	1.001
	65	104	15.94	174	15.94	1.000
	66	96	16.17	174	15.94	1.014
	67	103	17.32	174	15.94	1.087
	68	94	17.48	174	15.94	1.097
	69	95	17.77	174	15.94	1.115
	70	100/93/102/98	17.93	174	15.94	1.125
	71	88/91	18.34	174	15.94	1.151

16.02.21  
e

72	84	18.51	174	15.94	1.161
73	89	18.85	174	15.94	1.183
74	121	19.1	174	15.94	1.198
75	92	19.37	174	15.94	1.215
76	113/90/101	19.78	174	15.94	1.241
77	83/99	20.24	174	15.94	1.270
78	112	20.33	174	15.94	1.275
79	109/119/86/97/	20.63	174	15.94	1.294
80	117/116/85	21.22	174	15.94	1.331
81	110/115	21.4	174	15.94	1.343
82	82	21.6	174	15.94	1.355
83	111	21.86	174	15.94	1.371
84	120	22.26	174	15.94	1.396
85	108/124	23.22	175	23.5	0.988
86	107	23.41	175	23.5	0.996
87	123	23.52	175	23.5	1.001
88	106	23.64	175	23.5	1.006
89	118	23.8	176	23.79	1.000
90	122	24.11	176	23.79	1.013
91	114	24.29	177	24.27	1.001
92	105	24.86	178	24.84	1.001
93	127	26.19	179	27.71	0.945
94	126	27.72	179	27.71	1.000
95	155	19.64	180	19.62	1.001
96	152	19.8	180	19.62	1.009
97	150	19.9	180	19.62	1.014
98	136	20.19	180	19.62	1.029
99	145	20.42	180	19.62	1.041
100	148	21.56	180	19.62	1.099
101	151/135	22.06	180	19.62	1.124
102	154	22.24	180	19.62	1.134
103	144	22.52	180	19.62	1.148
104	147/149	22.81	180	19.62	1.163
105	134/143	23.06	180	19.62	1.175
106	139/140	23.32	180	19.62	1.189
107	131	23.5	180	19.62	1.198
108	142	23.66	180	19.62	1.206
109	132	23.89	180	19.62	1.218
110	133	24.3	180	19.62	1.239
111	165	24.68	181	29.51	0.836
112	146	24.89	181	29.51	0.843
113	161	25.02	181	29.51	0.848
114	153/168	25.46	181	29.51	0.863
115	141	25.64	181	29.51	0.869
116	130	26.01	181	29.51	0.881
117	137	26.23	181	29.51	0.889
118	164	26.32	181	29.51	0.892
119	138/163/129	26.62	181	29.51	0.902
120	160	26.78	181	29.51	0.907
121	158	26.99	181	29.51	0.915
122	128/166	27.81	181	29.51	0.942
123	159	28.78	181	29.51	0.975
124	162	29.06	181	29.51	0.985
125	167	29.55	181	29.51	1.001
126	156/157	30.71	182	30.69	1.001
127	169	34.11	183	34.09	1.001
128	188	24.25	184	24.21	1.002
129	179	24.55	184	24.21	1.014
130	184	25.02	184	24.21	1.033
131	176	25.34	184	24.21	1.047
132	186	25.76	184	24.21	1.064
133	178	27.03	184	24.21	1.116
134	175	27.63	184	24.21	1.141
135	187	27.88	184	24.21	1.152
136	182	28.1	184	24.21	1.161
137	183	28.51	185	32.1	0.888
138	185	28.6	185	32.1	0.891
139	174	28.72	185	32.1	0.895
140	177	29.17	185	32.1	0.909
141	181	29.56	185	32.1	0.921
142	171/173	29.8	185	32.1	0.928
143	172	31.46	185	32.1	0.980
144	192	31.76	185	32.1	0.989
145	193/180	32.09	185	32.1	1.000
146	191	32.52	185	32.1	1.013

147	170	33.46	186	33.43	1.001
148	190	34.04	186	33.43	1.018
149	189	36.88	187	36.86	1.001
150	202	29.28	188	29.26	1.001
151	201	30.21	188	29.26	1.032
152	204	30.91	188	29.26	1.056
153	197	31.14	188	29.26	1.064
154	200	31.25	188	29.26	1.068
155	198/199	34.18	188	29.26	1.168
156	196	34.91	189	39.72	0.879
157	203	35.15	189	39.72	0.885
158	195	36.58	189	39.72	0.921
159	194	39.22	189	39.72	0.987
160	205	39.74	189	39.72	1.001
161	208	36.33	190	36.31	1.001
162	207	37.36	190	36.31	1.029
163	206	41.74	191	41.72	1.000
164	209	43.57	192	43.55	1.000
165	1L	9	193	11.19	0.804
166	3L	10.19	193	11.19	0.911
167	4L	10.3	193	11.19	0.920
168	15L	12.94	193	11.19	1.156
169	19L	11.69	193	11.19	1.045
170	37L	16.69	194	15.36	1.087
171	54L	13.07	194	15.36	0.851
172	81L	21.42	194	15.36	1.395
173	77L	21.86	194	15.36	1.423
174	104L	15.94	195	19.78	0.806
175	123L	23.5	195	19.78	1.188
176	118L	23.79	195	19.78	1.203
177	114L	24.27	195	19.78	1.227
178	105L	24.84	195	19.78	1.256
179	126L	27.71	195	19.78	1.401
180	155L	19.62	196	26.58	0.738
181	167L	29.51	196	26.58	1.110
182	156/157L	30.69	196	26.58	1.155
183	169L	34.09	196	26.58	1.283
184	188L	24.21	196	26.58	0.911
185	180L	32.1	197	39.19	0.819
186	170L	33.43	197	39.19	0.853
187	189L	36.86	197	39.19	0.941
188	202L	29.26	197	39.19	0.747
189	205L	39.72	197	39.19	1.014
190	208L	36.31	197	39.19	0.927
191	206L	41.72	197	39.19	1.065
192	209L	43.55	197	39.19	1.111
193	9L	11.19			ABS
194	52L	15.36			ABS
195	101L	19.78			ABS
196	138L	26.58			ABS
197	194L	39.19			ABS
198	28L	14.42	194	15.36	0.939
199	111L	21.85	195	19.78	1.105
200	178L	26.99	196	26.58	1.015
201	31L	14.26	194	15.36	0.928
202	95L	17.75	195	19.78	0.897
203	153L	25.43	196	26.58	0.957



19-FEB-2016  
12:07:03  
3: SIR of 14 Channels El+  
255.961  
1.52e7

209MIX\_PCB 150822CXU  
M2160219BS001

PCB34

13.75

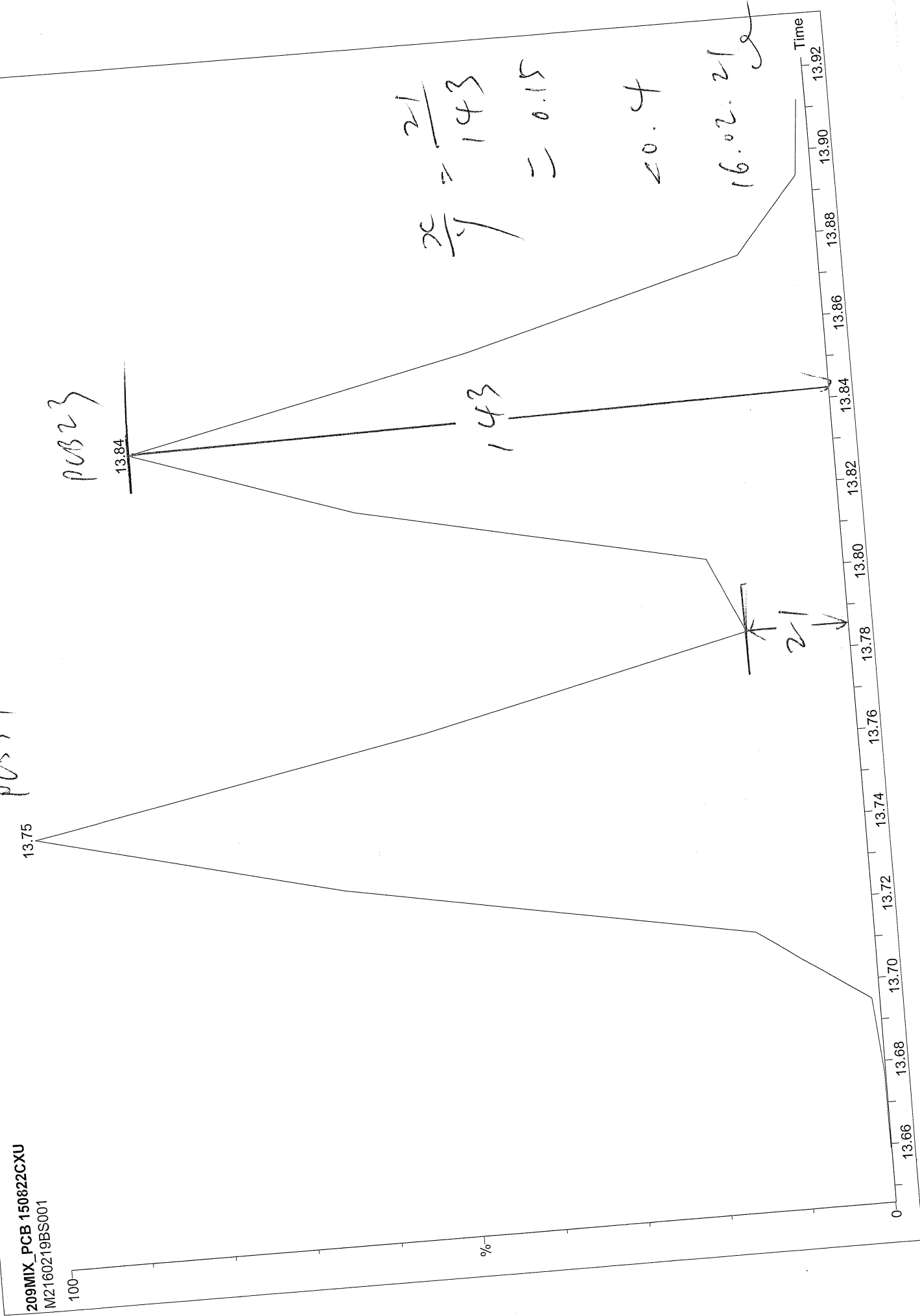
PCB23

13.84

$$\frac{21}{143} = 0.15$$

20.4

16.02.21g

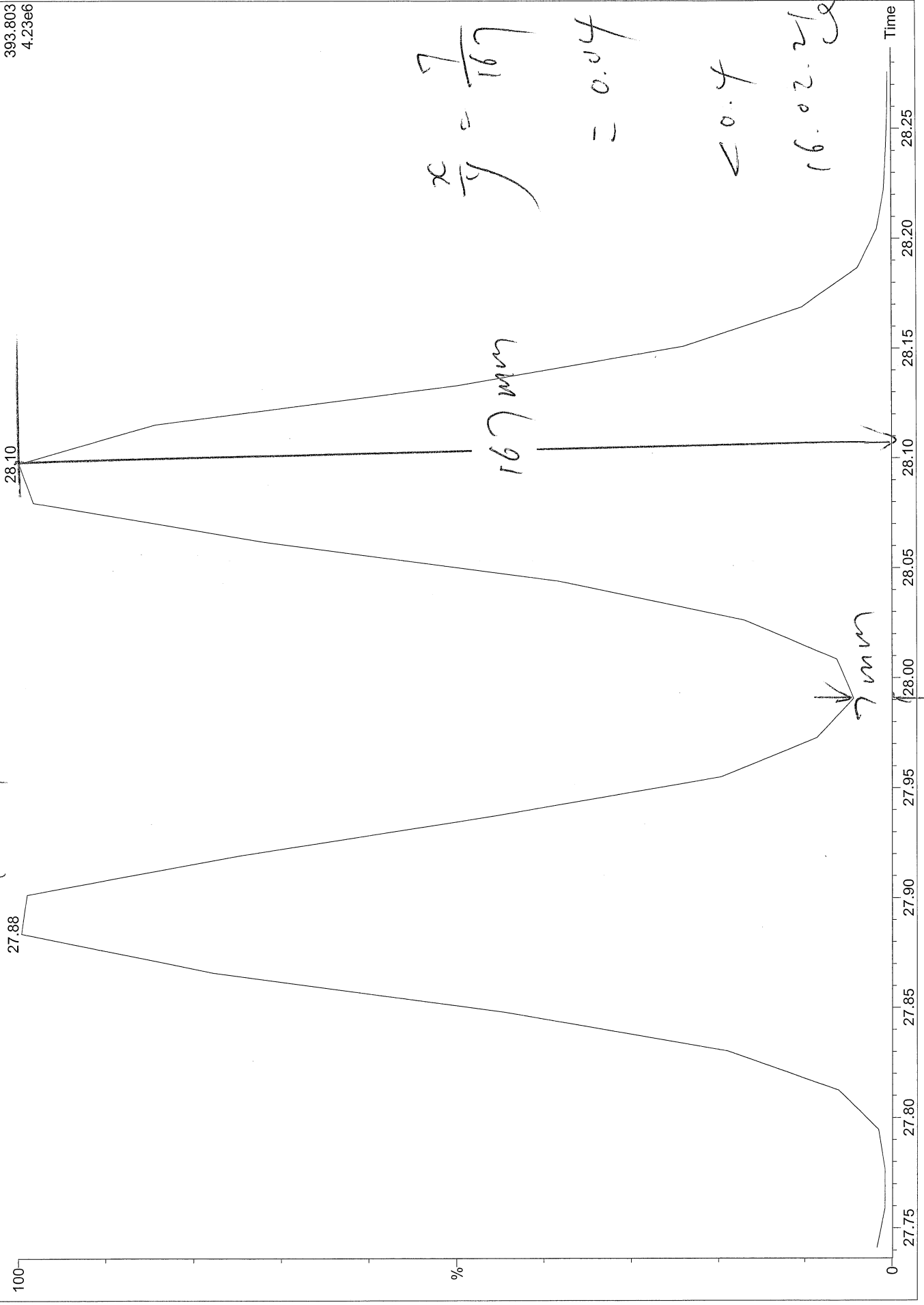


19-FEB-2016  
12:07:03  
5: SIR of 14 Channels EI+  
393.803  
4.23e6

PCB 182

PCB 187

209MIX\_PCB 150822CXU  
M2160219BS001



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219BS014CS3\_1668A.qld

Last Altered: February 21, 2016 4:30:25 PM Eastern Standard Time

Printed: February 21, 2016 5:28:25 PM Eastern Standard Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\EPA 1668 5PT-20160211A.mdb 16 Feb 2016 08:03:01  
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\M2160211A\_5PT\_1668.cdb 16 Feb 2016 08:03:15

Description: CS3\_PCB 150417CXU

Vial: 14

Date: 19-FEB-2016

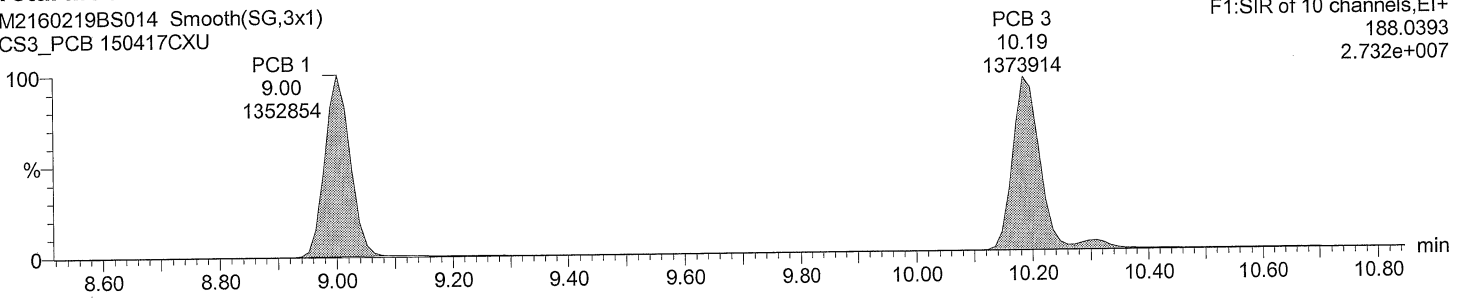
Time: 23:00:55

Instrument: Autospec-UltimaE

Total MoCB F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

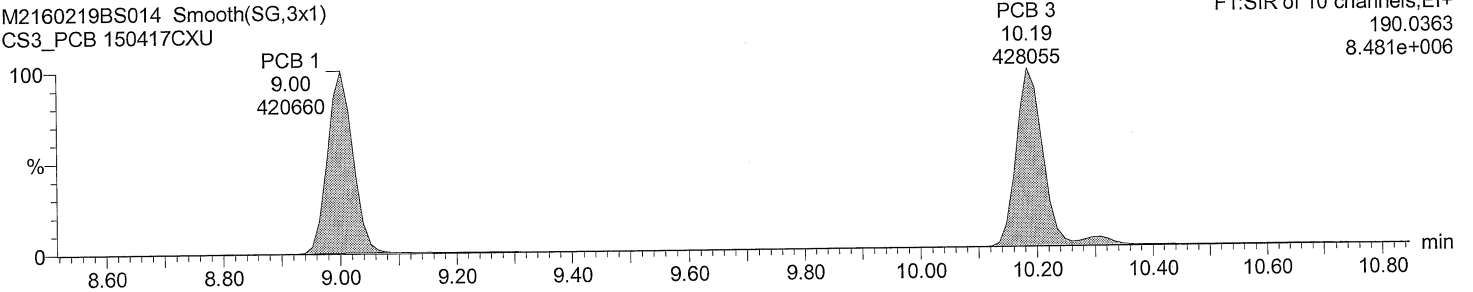
F1:SIR of 10 channels, EI+  
188.0393  
2.732e+007



Total MoCB F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

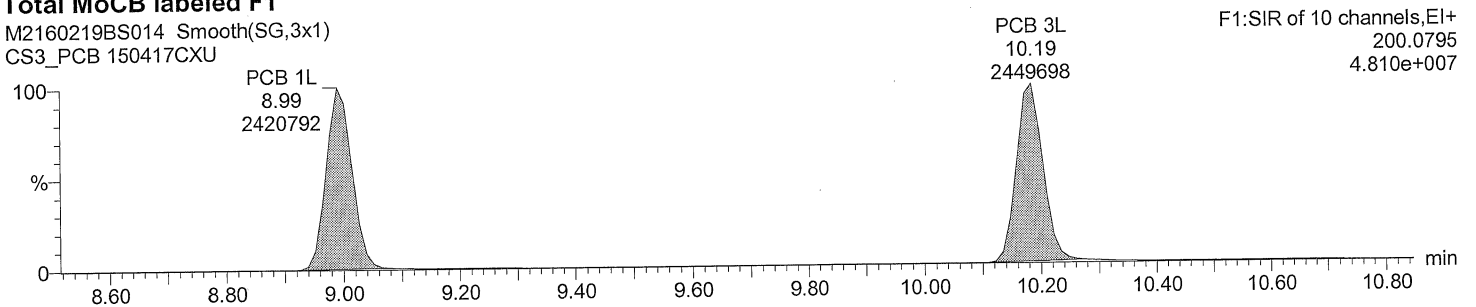
F1:SIR of 10 channels, EI+  
190.0363  
8.481e+006



Total MoCB labeled F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

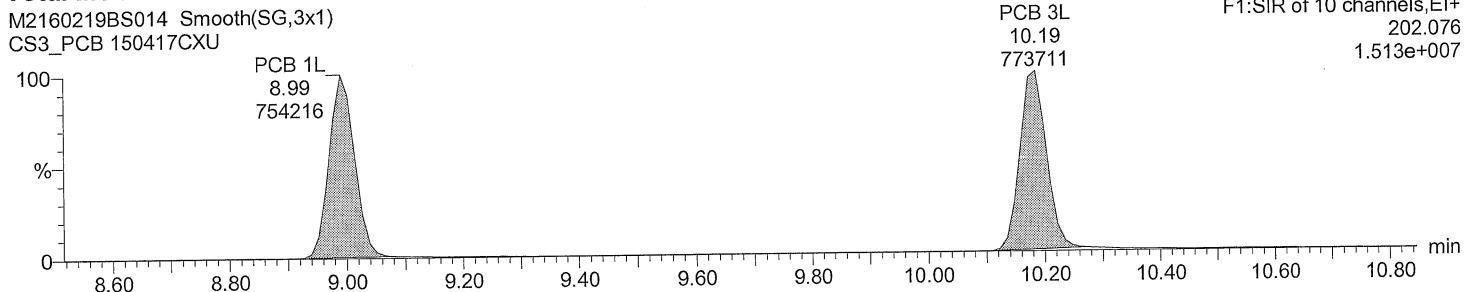
F1:SIR of 10 channels, EI+  
200.0795  
4.810e+007



Total MoCB labeled F1

M2160219BS014 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F1:SIR of 10 channels, EI+  
202.076  
1.513e+007



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:19 PM Eastern Standard Time

Method: C:\MassLynx\Default.pro\Methdb\EPA 1668 5PT-20160211A.mdb 16 Feb 2016 08:03:01

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\M2160211A\_5PT\_1668.cdb 16 Feb 2016 08:03:15

ID:

Date: 19-FEB-2016

Time: 11:13:56

Instrument: Autospec-UltimaE

Description: CS3\_PCB 150417CXU

#	Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
1	PCB 1	9.02	1.001	1298454	413321	3.14	YES	bb	52.389	4.8	105	29	1.134
2	PCB 3	10.20	1.000	1338175	428717	3.12	YES	bd	53.118	6.2	106	30	1.146
3	PCB 4	10.31	1.000	554212	350789	1.58	YES	bb	53.075	6.1	106	31	1.013
4	PCB 15	12.96	1.002	1270625	797593	1.59	YES	db	60.554	21.1	121	32	1.054
5	PCB 19	11.69	1.000	434744	420458	1.03	YES	bb	54.635	9.3	109	33	0.982
6	PCB 37	16.71	1.000	929985	920899	1.01	YES	bb	55.381	10.8	111	34	1.003
7	PCB 54	13.09	1.002	376527	475738	0.79	YES	bb	53.463	6.9	107	35	0.974
8	PCB 81	21.45	1.001	722387	932294	0.77	YES	bb	57.371	14.7	115	36	1.178
9	PCB 77	21.90	1.001	723010	927175	0.78	YES	bb	55.874	11.7	112	37	1.204
10	PCB 104	15.95	1.001	493741	305815	1.61	YES	bb	53.029	6.1	106	38	1.161
11	PCB 123	23.54	1.001	813185	521140	1.56	YES	bd	54.562	9.1	109	39	0.976
12	PCB 118	23.82	1.001	886056	566654	1.56	YES	db	54.912	9.8	110	40	1.078
13	PCB 114	24.30	1.001	831458	531150	1.57	YES	bb	54.024	8.0	108	41	1.092
14	PCB 105	24.87	1.001	829359	531541	1.56	YES	bb	54.587	9.2	109	42	1.066
15	PCB 126	27.74	1.001	825329	508333	1.62	YES	bd	54.394	8.8	109	43	1.062
16	PCB 155	19.65	1.001	432084	334606	1.29	YES	bb	52.417	4.8	105	44	1.045
17	PCB 167	29.56	1.001	798564	633717	1.26	YES	db	55.074	10.1	110	45	1.042
18	PCB 156/157	30.73	1.001	1591436	1250189	1.27	YES	bb	109.813	9.8	110	46	1.117
19	PCB 169	34.13	1.001	760914	596009	1.28	YES	bb	54.217	8.4	108	47	1.035
20	PCB 188	24.25	1.001	386984	357513	1.08	YES	bb	53.235	6.5	106	48	1.077
21	PCB 193/180	32.16	1.001	374090	341487	1.10	YES	bb	51.276	2.6	103	49	1.168
22	PCB 170	33.48	1.001	359482	335989	1.07	YES	bb	50.454	0.9	101	50	1.283
23	PCB 189	36.88	1.001	630052	614619	1.03	YES	bb	51.733	3.5	103	51	0.976
24	PCB 202	29.29	1.001	297675	327775	0.91	YES	bb	53.230	6.5	106	52	1.051
25	PCB 205	39.77	1.001	415811	447639	0.93	YES	bb	52.660	5.3	105	53	1.149
26	PCB 208	36.33	1.001	229976	296249	0.78	YES	bb	50.312	0.6	101	54	1.030
27	PCB 206	41.74	1.001	163317	208584	0.78	YES	bb	47.944	-4.1	96	55	0.984
28	PCB 209	43.60	1.001	191601	157604	1.22	YES	bb	45.730	-8.5	91	56	0.951
29	PCB 1L	9.00	0.803	2310624	709609	3.26	YES	bb	109.344	9.3	109	63	0.901
30	PCB 3L	10.20	0.910	2351418	732419	3.21	YES	bb	107.905	7.9	108	63	0.920
31	PCB 4L	10.31	0.920	1096497	690964	1.59	YES	bb	98.244	-1.8	98	63	0.533
32	PCB 15L	12.94	1.155	2437268	1486199	1.64	YES	bb	108.918	8.9	109	63	1.170
33	PCB 19L	11.69	1.043	900150	841664	1.07	YES	bb	89.840	-10.2	90	63	0.519
34	PCB 37L	16.71	1.087	1910128	1780682	1.07	YES	bb	124.393	24.4	124	64	2.471
35	PCB 54L	13.07	0.850	779960	970748	0.80	YES	bb	90.354	-9.6	90	64	1.172
36	PCB 81L	21.44	1.394	1263539	1544892	0.82	YES	bb	108.199	8.2	108	64	1.880
37	PCB 77L	21.88	1.423	1227162	1514456	0.81	YES	bb	109.455	9.5	109	64	1.836
38	PCB 104L	15.94	0.805	852604	525170	1.62	YES	bb	93.639	-6.4	94	65	1.082
39	PCB 123L	23.52	1.188	1692144	1041882	1.62	YES	bd	110.928	10.9	111	65	2.147
40	PCB 118L	23.80	1.202	1666411	1029026	1.62	YES	db	111.087	11.1	111	65	2.117
41	PCB 114L	24.29	1.227	1554940	941629	1.65	YES	bb	110.608	10.6	111	65	1.961
42	PCB 105L	24.86	1.256	1576758	976276	1.62	YES	bb	110.033	10.0	110	65	2.005
43	PCB 126L	27.72	1.400	1556336	954228	1.63	YES	bb	113.622	13.6	114	65	1.972
44	PCB 155L	19.64	0.738	824508	643170	1.28	YES	bb	89.587	-10.4	90	66	1.257

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:19 PM Eastern Standard Time

**ID:**

**Date: 19-FEB-2016**

**Time: 11:13:56**

**Instrument: Autospec-UltimaE**

**Description: CS3\_PCB 150417CXU**

#	Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
45	PCB 167L	29.53	1.110	1548685	1200803	1.29	YES	db	111.643	11.6	112	66	2.355
46	PCB 156L/157L	30.71	1.154	2859192	2229302	1.28	YES	bb	226.942	13.5	113	66	2.180
47	PCB 169L	34.11	1.282	1480382	1141852	1.30	YES	bb	119.098	19.1	119	66	2.246
48	PCB 188L	24.23	0.911	713163	668889	1.07	YES	bb	89.065	-10.9	89	66	1.184
49	PCB 180L	32.12	0.820	638701	586681	1.09	YES	bb	91.884	-8.1	92	67	1.239
50	PCB 170L	33.45	0.853	564358	520190	1.08	YES	bb	92.930	-7.1	93	67	1.097
51	PCB 189L	36.86	0.940	1319602	1229778	1.07	YES	bb	119.499	19.5	119	67	2.578
52	PCB 202L	29.28	0.747	569980	619795	0.92	YES	bb	84.759	-15.2	85	67	1.203
53	PCB 205L	39.74	1.014	725379	778127	0.93	YES	bb	99.284	-0.7	99	67	1.520
54	PCB 208L	36.31	0.926	452504	569428	0.79	YES	bb	90.693	-9.3	91	67	1.033
55	PCB 206L	41.72	1.064	333280	422316	0.79	YES	bb	100.594	0.6	101	67	0.764
56	PCB 209L	43.55	1.111	403262	331080	1.22	YES	bb	102.519	2.5	103	67	0.743
57	PCB 28L	14.42	0.938	1826470	1744812	1.05	YES	db	117.252	17.3	117	64	2.391
58	PCB 111L	21.86	1.104	1082909	667233	1.62	YES	bb	102.351	2.4	102	65	1.375
59	PCB 178L	27.01	1.015	425381	402097	1.06	YES	bb	96.723	-3.3	97	66	0.709
60	PCB 31L	14.26	0.927	1780363	1686070	1.06	YES	bd	119.985	20.0	120	64	2.321
61	PCB 95L	17.77	0.897	731087	452883	1.61	YES	bb	98.282	-1.7	98	65	0.930
62	PCB 153L	25.44	0.956	791019	613248	1.29	YES	bb	98.197	-1.8	98	66	1.203
63	PCB 9L	11.21	0.000	2060856	1292100	1.59	YES	bb	178.768	78.8	179	0	33529...
64	PCB 52L	15.38	0.000	662782	830789	0.80	YES	bb	151.544	51.5	152	0	14935...
65	PCB 101L	19.80	0.000	783882	489308	1.60	YES	bb	143.344	43.3	143	0	12731...
66	PCB 138L	26.60	0.000	658884	508384	1.30	YES	bb	144.597	44.6	145	0	11672...
67	PCB 194L	39.19	0.000	480696	508233	0.95	YES	bb	151.418	51.4	151	0	9889....
68	Total MoCB F1								105.507				29
69	Total MoCB labeled ...								217.249				63
70	Total DiCB F1								53.075				31
71	Total DiCB labeled F1								98.244				63
72	Total DiCB F2								60.554				32
73	Total DiCB labeled F2								287.687				63
74	Total TriCB F2								54.635				33
75	Total TriCB labeled F2								89.840				63
76	Total TriCB F3								55.381				34
77	Total TriCB labeled F3								361.630				64
78	Total TeCB F2								53.463				35
79	Total TeCB labeled F2								90.354				64
80	Total TeCB F3												35
81	Total TeCB labeled F3								151.544				64
82	Total TeCB F4								113.246				36
83	Total TeCB labeled F4								217.653				64
84	Total PeCB F3								53.029				38
85	Total PeCB labeled F3								93.639				65
86	Total PeCB F4												39
87	Total PeCB labeled F4								343.977				65
88	Total PeCB F5								272.480				39
89	Total PeCB labeled F5								556.277				65
90	Total HxCB F4								52.417				44
91	Total HxCB labeled F4								89.587				66
92	Total HxCB F5												45

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:19 PM Eastern Standard Time

**ID:**

**Date: 19-FEB-2016**

**Time: 11:13:56**

**Instrument: Autospec-UltimaE**

**Description: CS3\_PCB 150417CXU**

#	Name	RT	RRT	Area	Sec.Area	Ion Ratio	Ratio Flag	Flags	pg/ul	%Dev	%Rec	IS#	RRF
93	Total HxCB labeled F5								242.794			66	
94	Total HxCB F6								219.105			45	
95	Total HxCB labeled F6								457.683			66	
96	Total HpCB F5								53.235			48	
97	Total HpCB labeled ...								185.788			67	
98	Total HpCB F6								101.730			49	
99	Total HpCB labeled ...								184.814			67	
100	Total HpCB F7								51.733			51	
101	Total HpCB labeled ...								119.499			67	
102	Total OcCB F6								53.230			52	
103	Total OcCB labeled ...								84.759			67	
104	Total OcCB F7								52.660			53	
105	Total OcCB labeled ...								250.702			67	
106	Total NoCB F7								98.256			54	
107	Total NoCB labeled ...								191.287			67	
108	Total DeCB F7								45.730			56	
109	Total DeCB labeled ...								102.519			67	
110	lockmass F1											0	
111	lockmass F2											0	
112	lockmass F3											0	
113	lockmass F4											0	
114	lockmass F5											0	
115	lockmass F6											0	
116	lockmass F7											0	

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Method: C:\MassLynx\Default.pro\Methdb\EPA 1668 5PT-20160211A.mdb 16 Feb 2016 08:03:01

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\M2160211A\_5PT\_1668.cdb 16 Feb 2016 08:03:15

Description: CS3\_PCB 150417CXU

Vial: 1

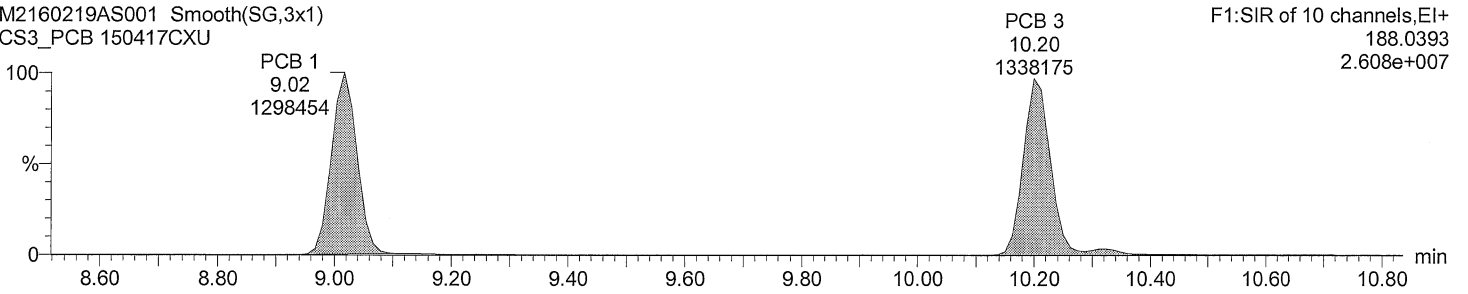
Date: 19-FEB-2016

Time: 11:13:56

Instrument: Autospec-UltimaE

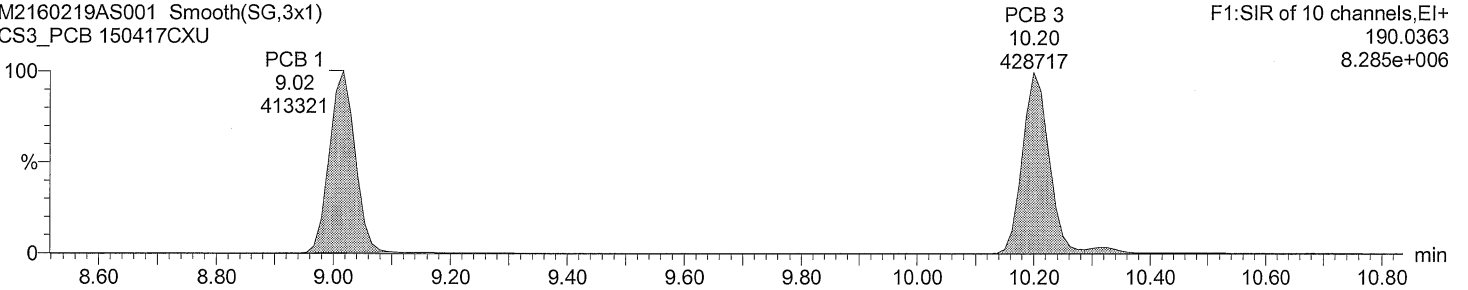
Total MoCB F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



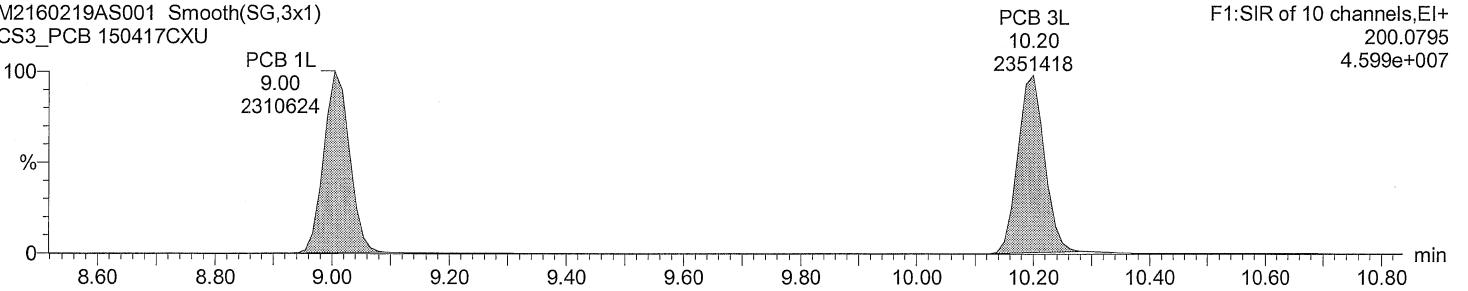
Total MoCB F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



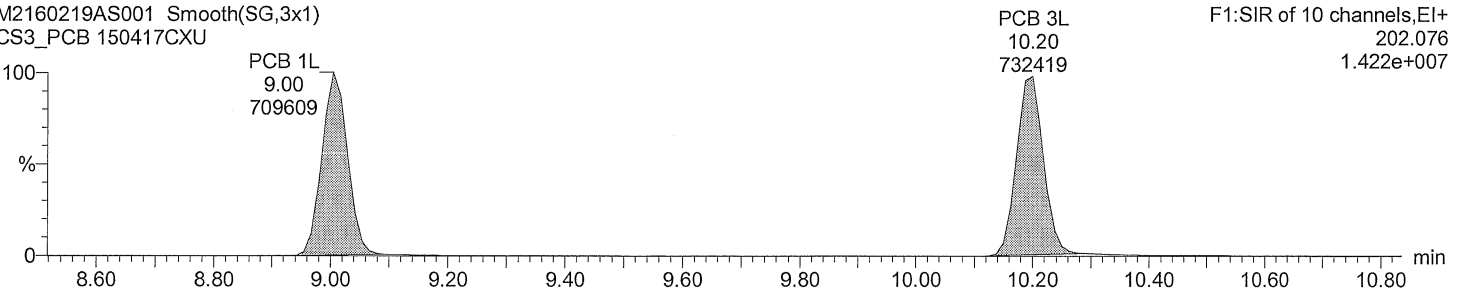
Total MoCB labeled F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Total MoCB labeled F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 1

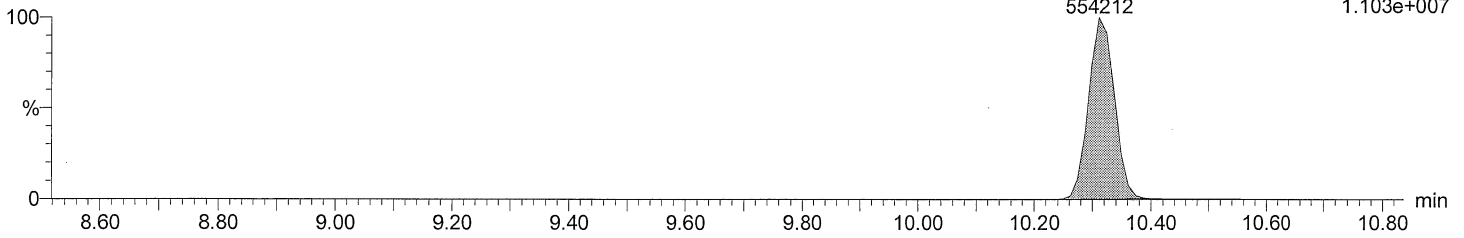
Date: 19-FEB-2016

Time: 11:13:56

Instrument: Autospec-UltimaE

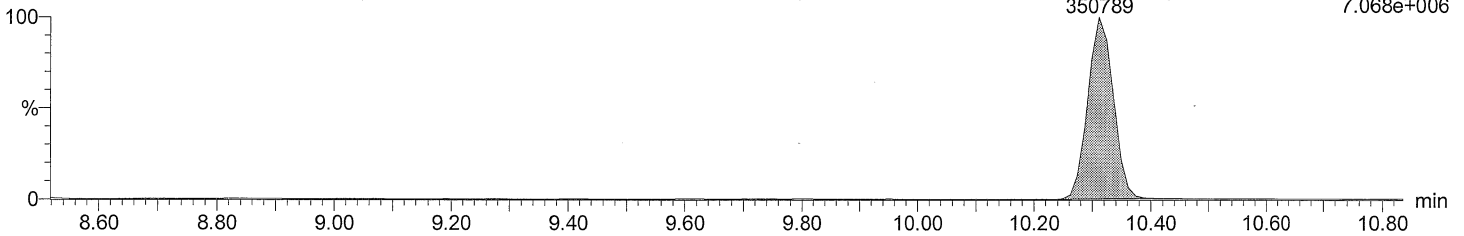
Total DiCB F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



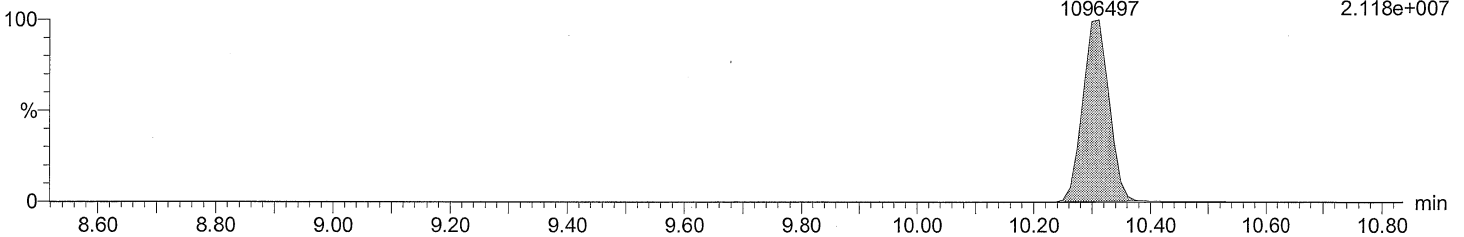
Total DiCB F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



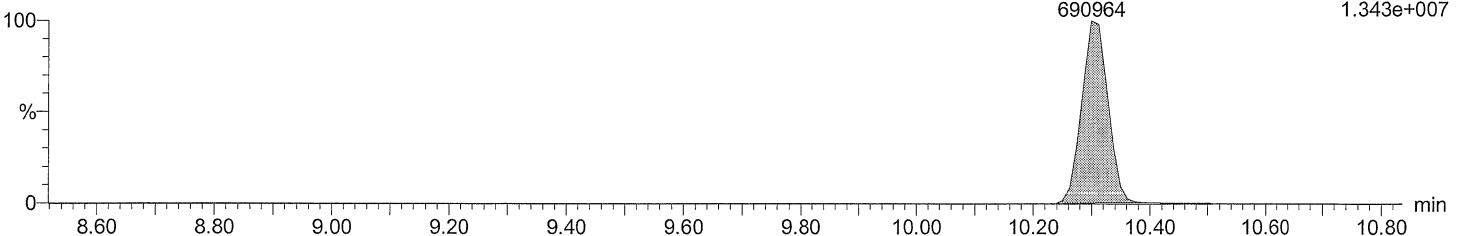
Total DiCB labeled F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Total DiCB labeled F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU





Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 1

Date: 19-FEB-2016

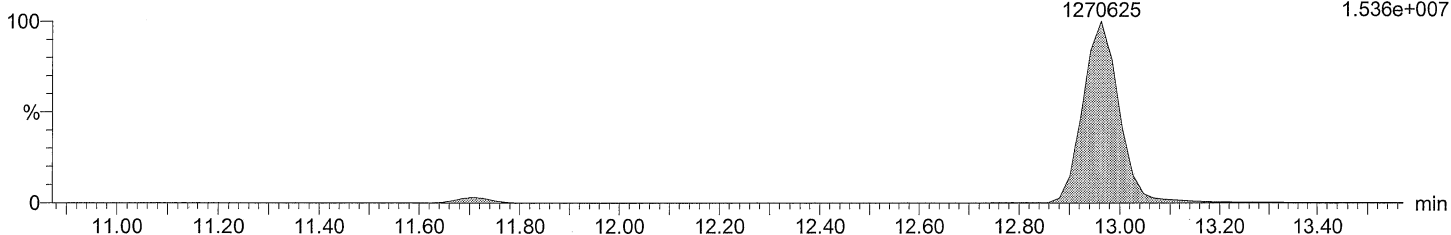
Time: 11:13:56

Instrument: Autospec-UltimaE

Total DiCB F2

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

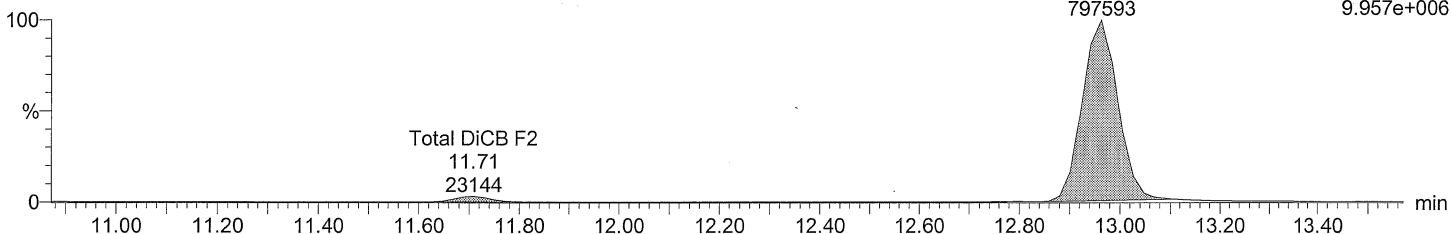
PCB 15 12.96 1270625  
F2:SIR of 16 channels,EI+ 222.0003 1.536e+007



Total DiCB F2

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

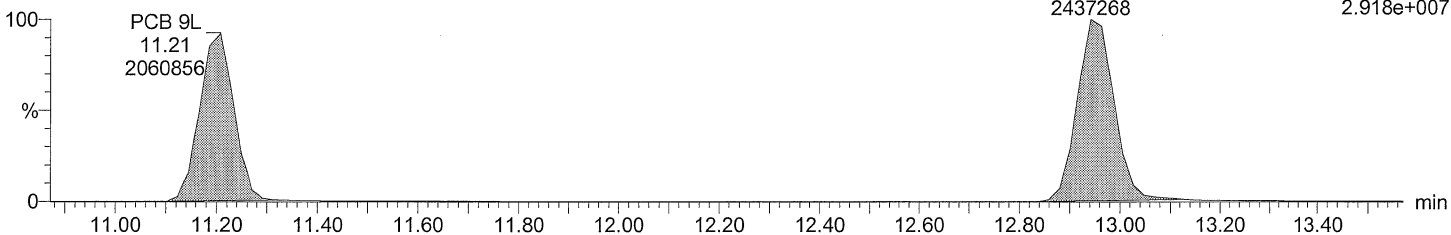
PCB 15 12.96 797593  
F2:SIR of 16 channels,EI+ 223.9974 9.957e+006



Total DiCB labeled F2

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

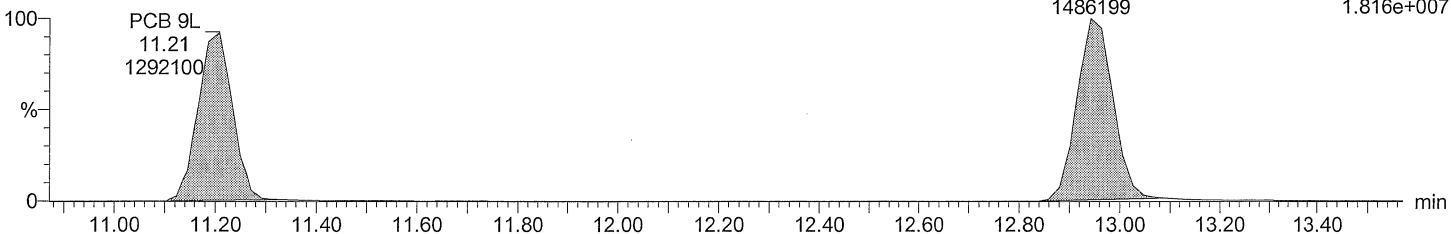
PCB 9L 11.21 2060856  
PCB 15L 12.94 2437268  
F2:SIR of 16 channels,EI+ 234.0406 2.918e+007



Total DiCB labeled F2

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 9L 11.21 1292100  
PCB 15L 12.94 1486199  
F2:SIR of 16 channels,EI+ 236.0376 1.816e+007



Dataset: C:\MassLynx\Default.pro\QLD\IM2160219AS001CS3\_1668A.qld

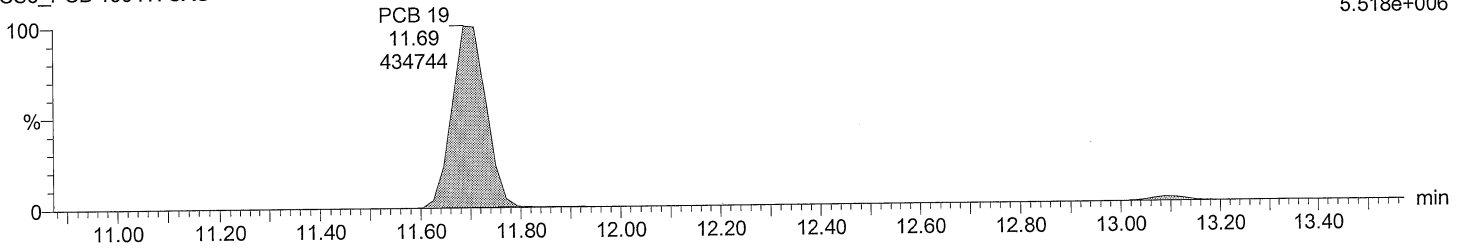
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

**Total TriCB F2**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

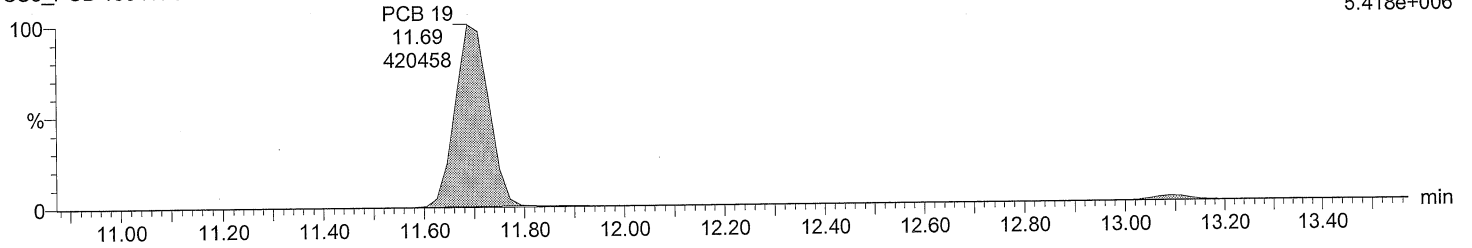
F2:SIR of 16 channels,EI+  
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5.518e+006



**Total TriCB F2**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

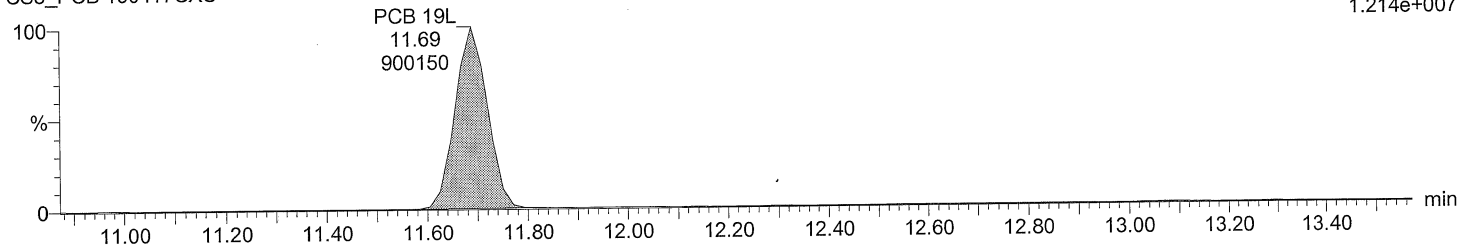
F2:SIR of 16 channels,EI+  
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5.418e+006



**Total TriCB labeled F2**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

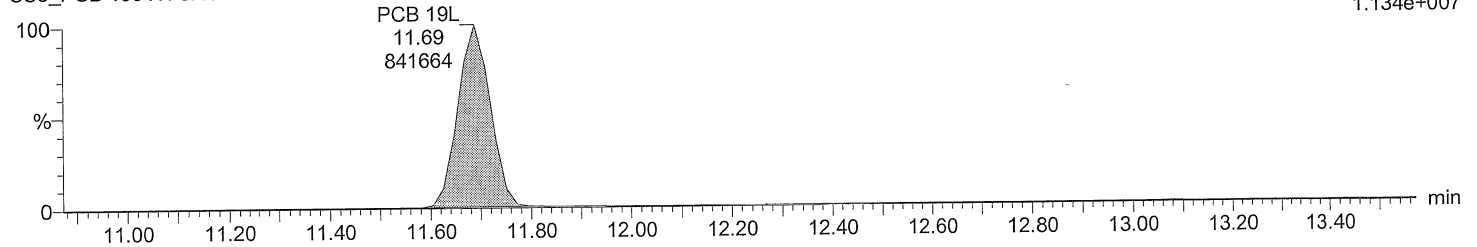
F2:SIR of 16 channels,EI+  
268.0016  
1.214e+007



**Total TriCB labeled F2**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F2:SIR of 16 channels,EI+  
269.9986  
1.134e+007



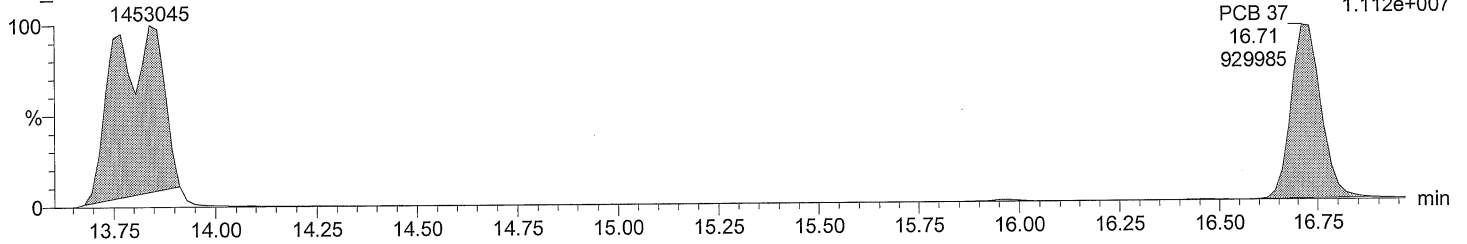
Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

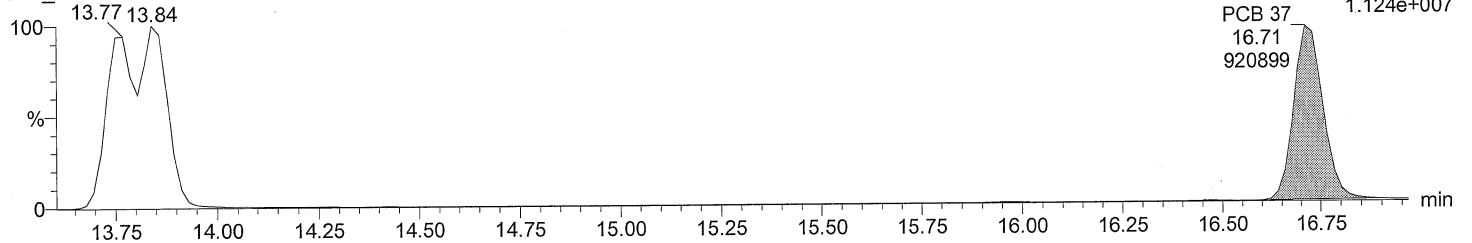
Total TriCB F3

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



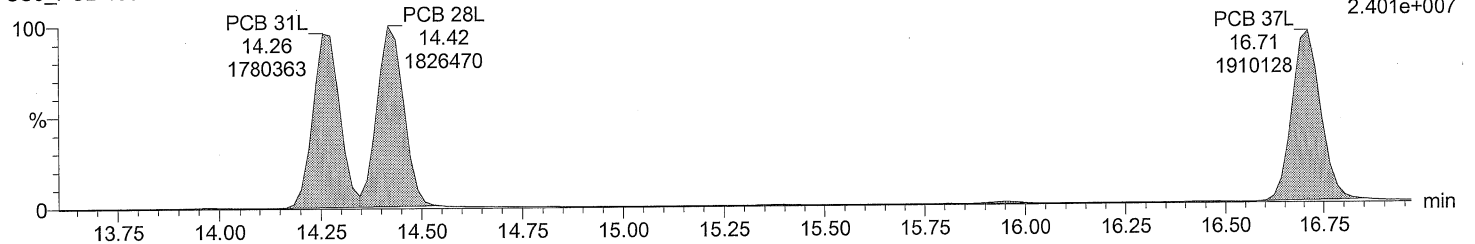
Total TriCB F3

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



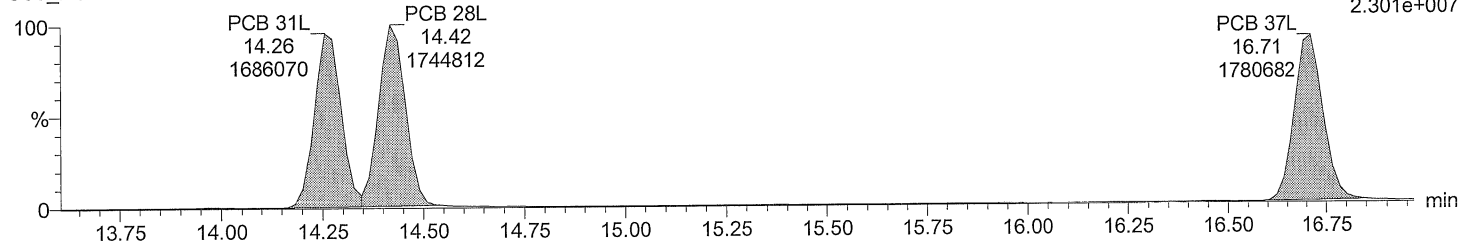
Total TriCB labeled F3

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Total TriCB labeled F3

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

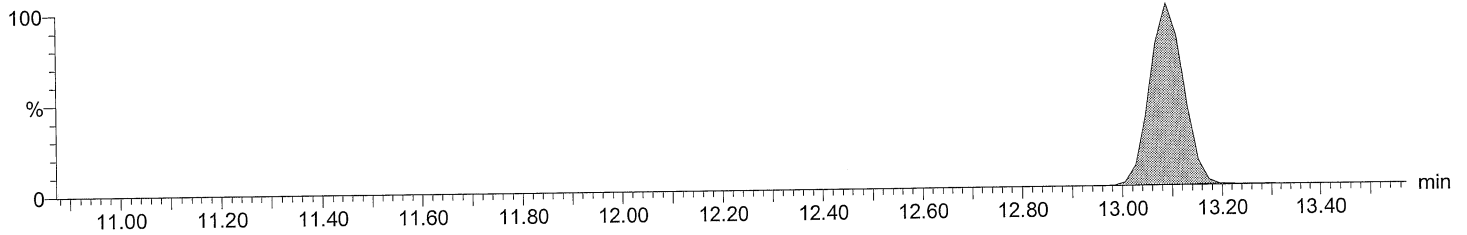
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

**Total TeCB F2**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

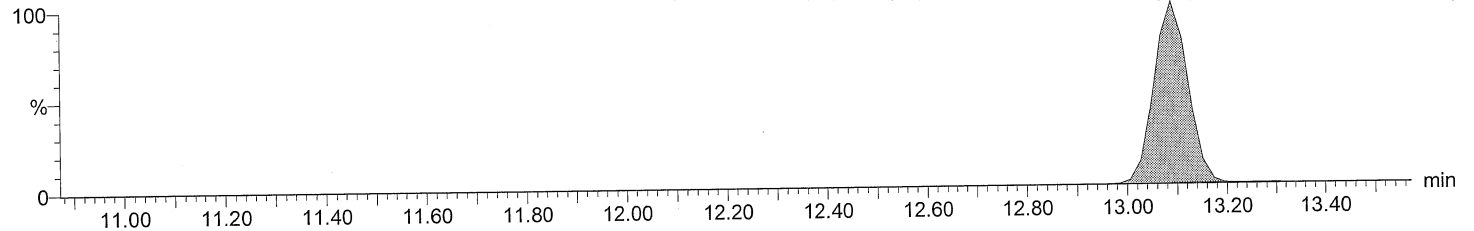
PCB 54 F2:SIR of 16 channels,EI+  
13.09 289.9224  
376527 4.847e+006



**Total TeCB F2**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

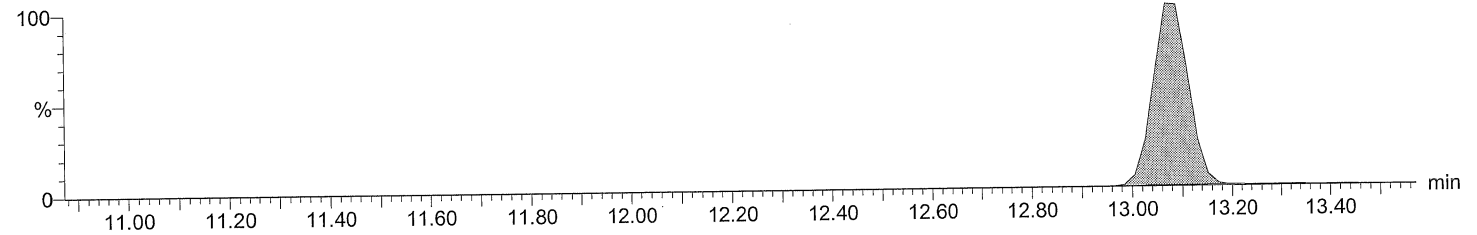
PCB 54 F2:SIR of 16 channels,EI+  
13.09 291.9194  
475738 6.107e+006



**Total TeCB labeled F2**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

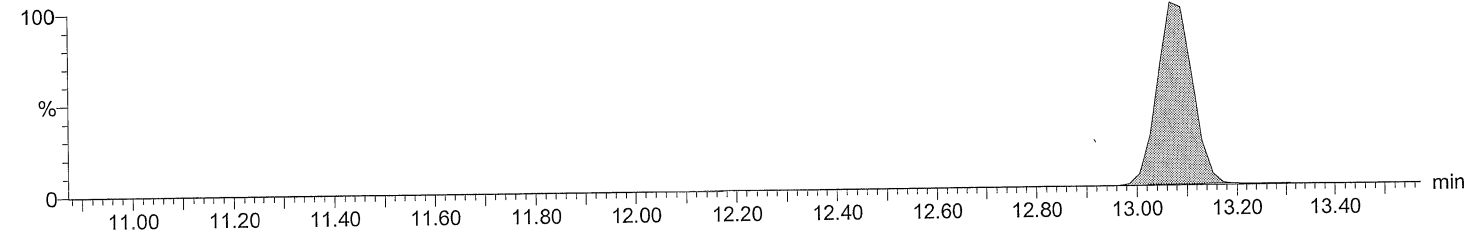
PCB 54L F2:SIR of 16 channels,EI+  
13.07 301.9626  
779960 9.505e+006



**Total TeCB labeled F2**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 54L F2:SIR of 16 channels,EI+  
13.07 303.9597  
970748 1.197e+007



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
 Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

**Description: CS3\_PCB 150417CXU**

Vial: 1

Date: 19-FEB-2016

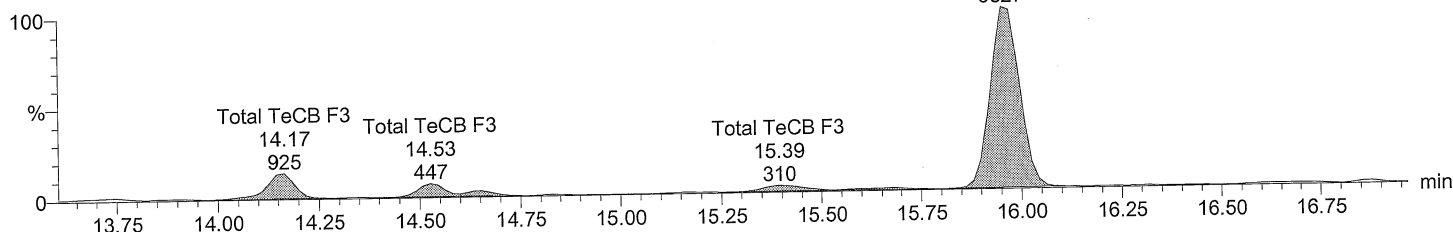
Time: 11:13:56

Instrument: Autospec-UltimaE

**Total TeCB F3**

M2160219AS001 Smooth(SG,3x1)  
 CS3\_PCB 150417CXU

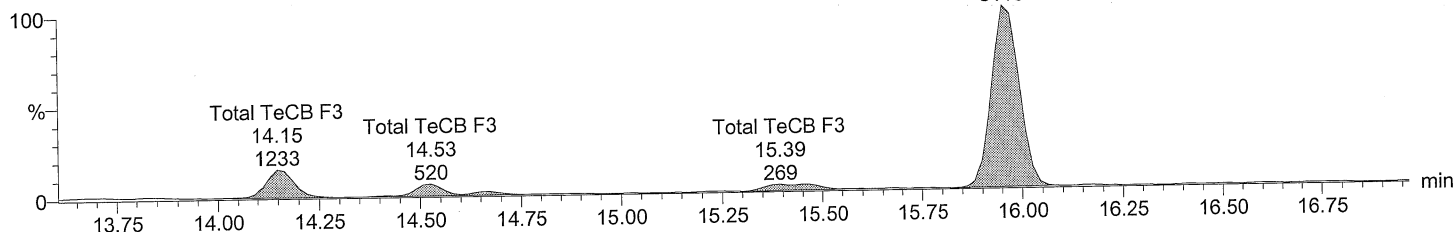
Total TeCB F3 F3:SIR of 14 channels, EI+  
 15.95 289.9224  
 6827 8.214e+004



**Total TeCB F3**

M2160219AS001 Smooth(SG,3x1)  
 CS3\_PCB 150417CXU

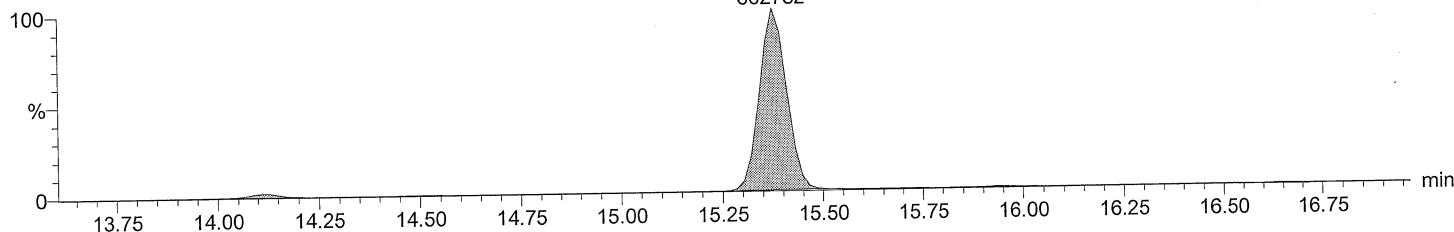
Total TeCB F3 F3:SIR of 14 channels, EI+  
 15.95 291.9194  
 8115 1.027e+005



**Total TeCB labeled F3**

M2160219AS001 Smooth(SG,3x1)  
 CS3\_PCB 150417CXU

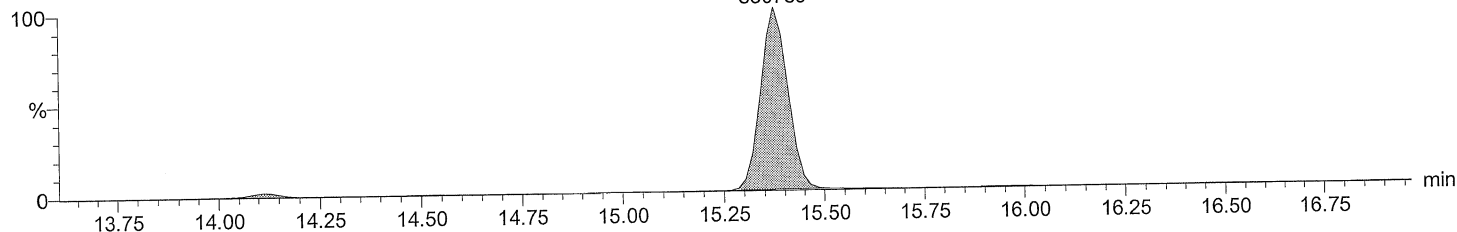
PCB 52L F3:SIR of 14 channels, EI+  
 15.38 301.9626  
 662782 8.589e+006



**Total TeCB labeled F3**

M2160219AS001 Smooth(SG,3x1)  
 CS3\_PCB 150417CXU

PCB 52L F3:SIR of 14 channels, EI+  
 15.38 303.9597  
 830789 1.074e+007



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 1

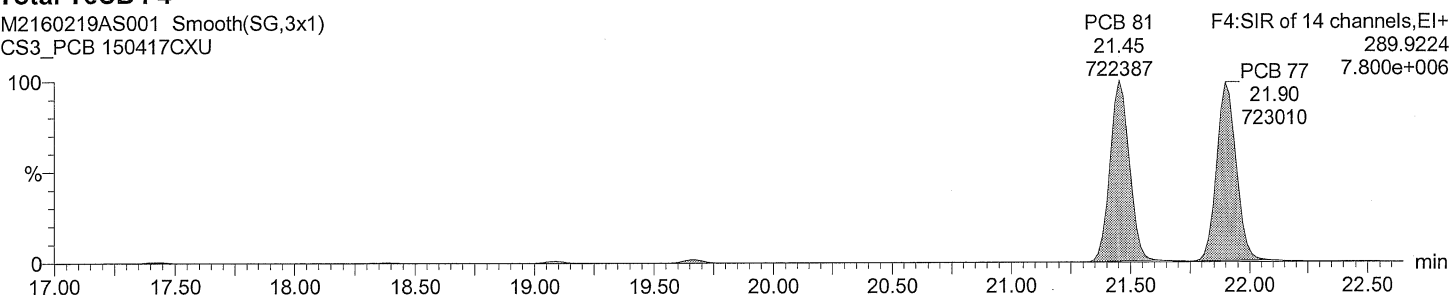
Date: 19-FEB-2016

Time: 11:13:56

Instrument: Autospec-UltimaE

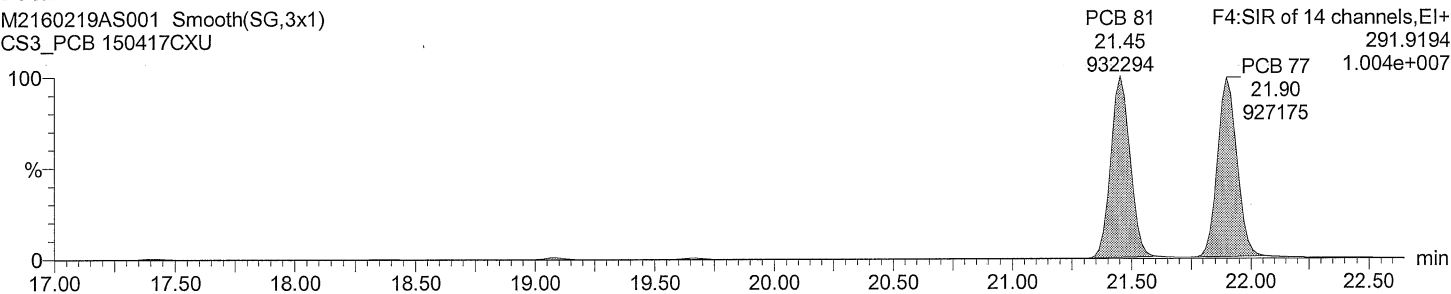
Total TeCB F4

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



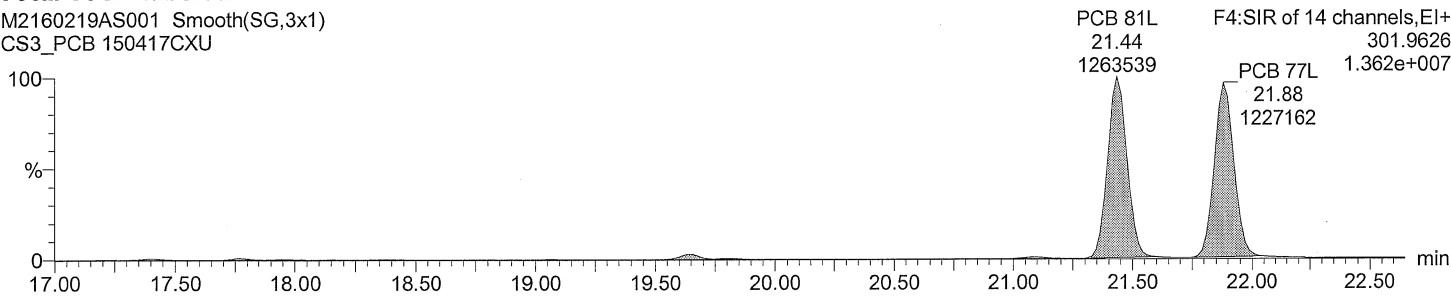
Total TeCB F4

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



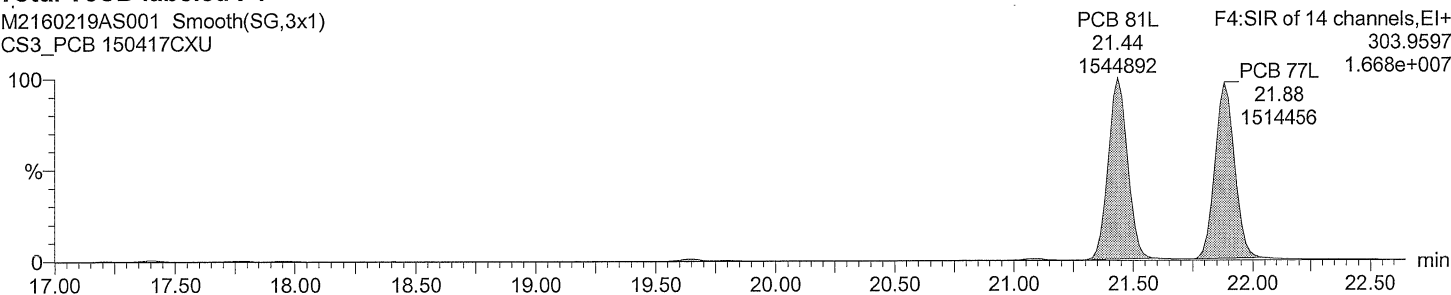
Total TeCB labeled F4

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Total TeCB labeled F4

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

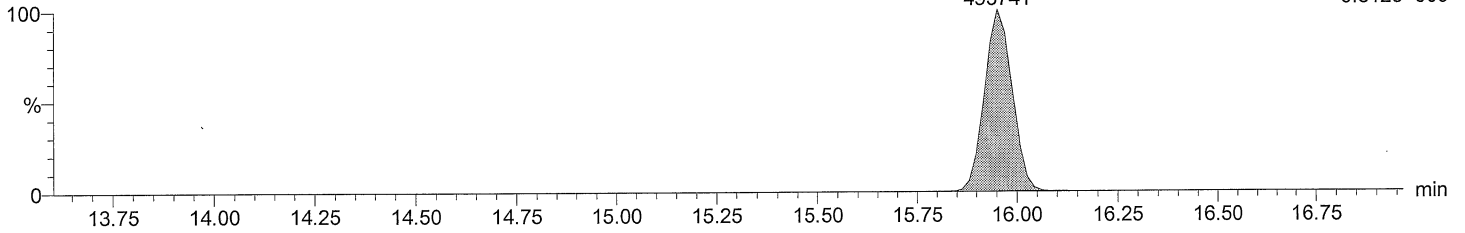
Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

**Total PeCB F3**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 104  
15.95  
493741

F3:SIR of 14 channels, EI+  
325.8805  
6.312e+006

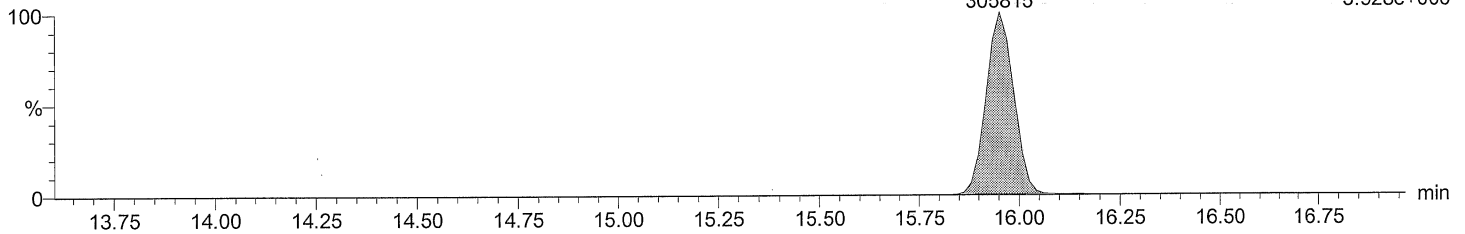


**Total PeCB F3**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 104  
15.95  
305815

F3:SIR of 14 channels, EI+  
327.8775  
3.928e+006

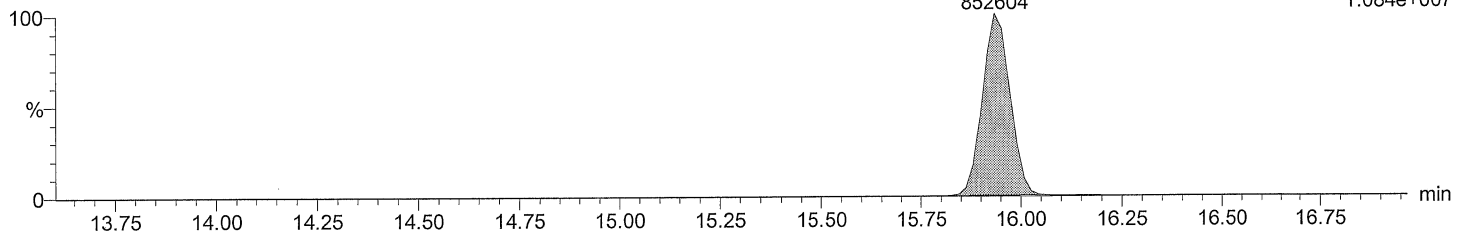


**Total PeCB labeled F3**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 104L  
15.94  
852604

F3:SIR of 14 channels, EI+  
337.9207  
1.084e+007

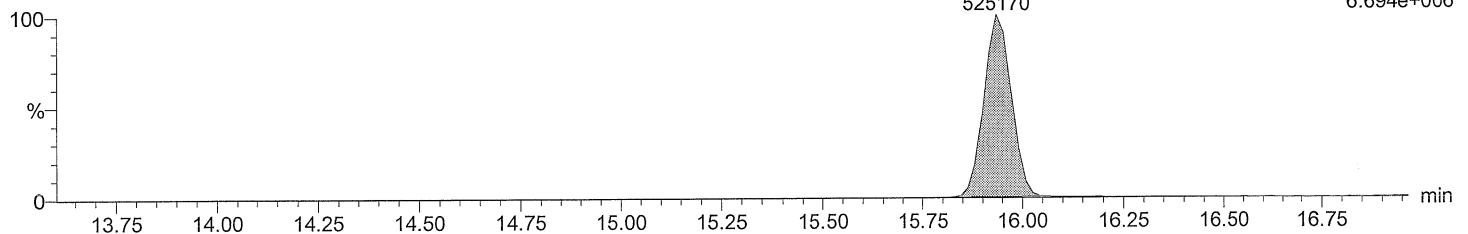


**Total PeCB labeled F3**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 104L  
15.94  
525170

F3:SIR of 14 channels, EI+  
339.9178  
6.694e+006



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

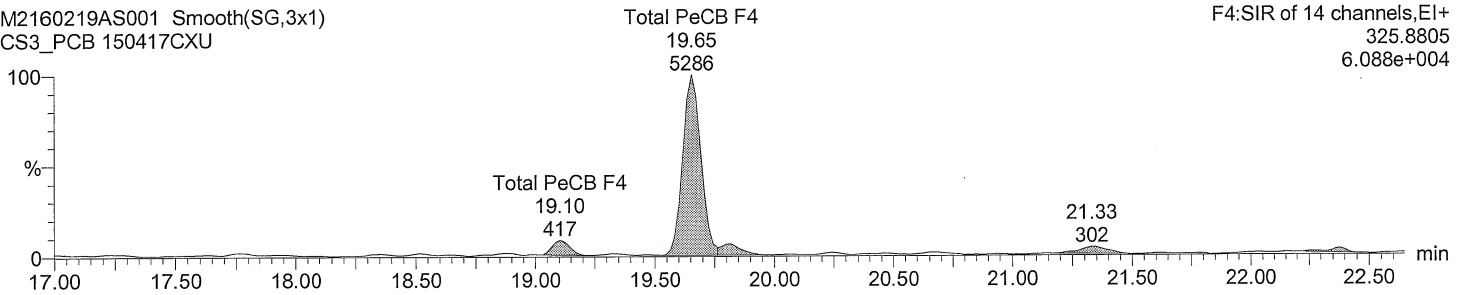
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

**Total PeCB F4**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

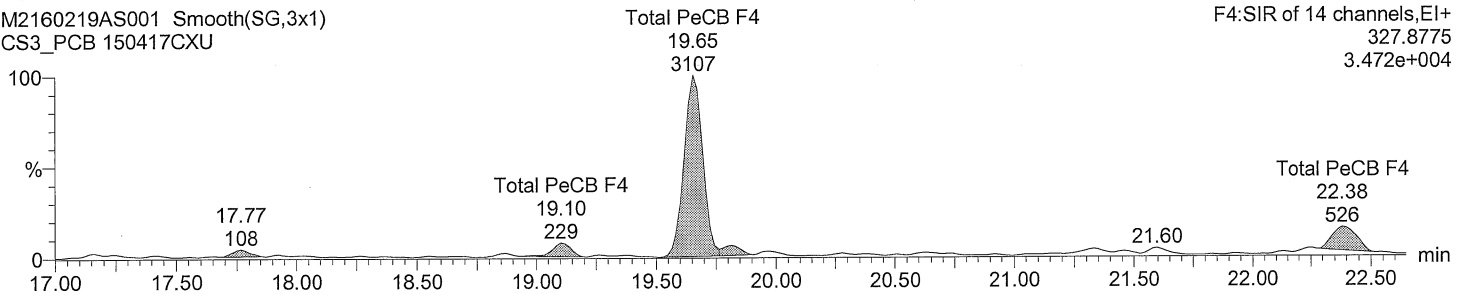
F4:SIR of 14 channels,EI+  
325.8805  
6.088e+004



**Total PeCB F4**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

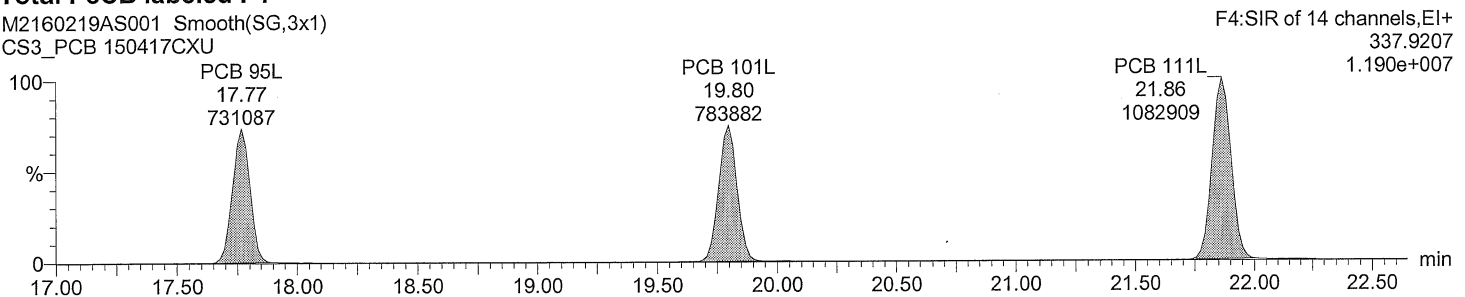
F4:SIR of 14 channels,EI+  
327.8775  
3.472e+004



**Total PeCB labeled F4**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

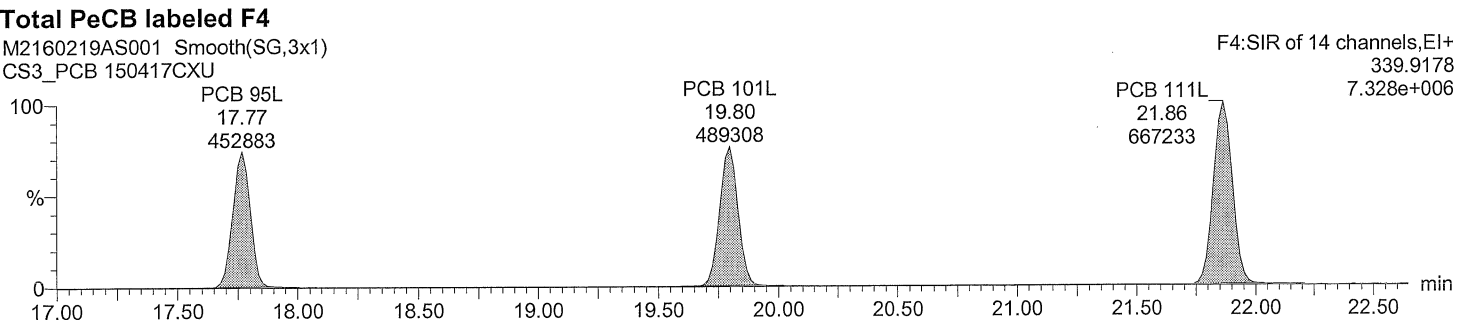
F4:SIR of 14 channels,EI+  
337.9207  
1.190e+007



**Total PeCB labeled F4**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F4:SIR of 14 channels,EI+  
339.9178  
7.328e+006



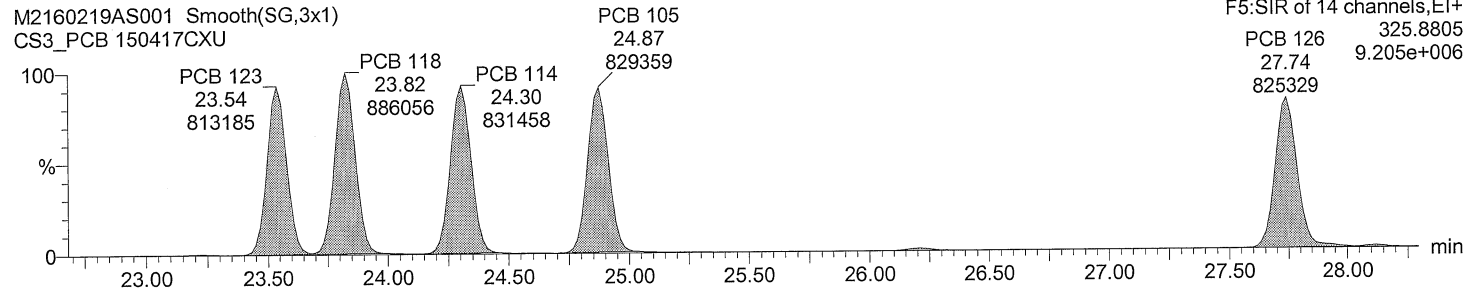


Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

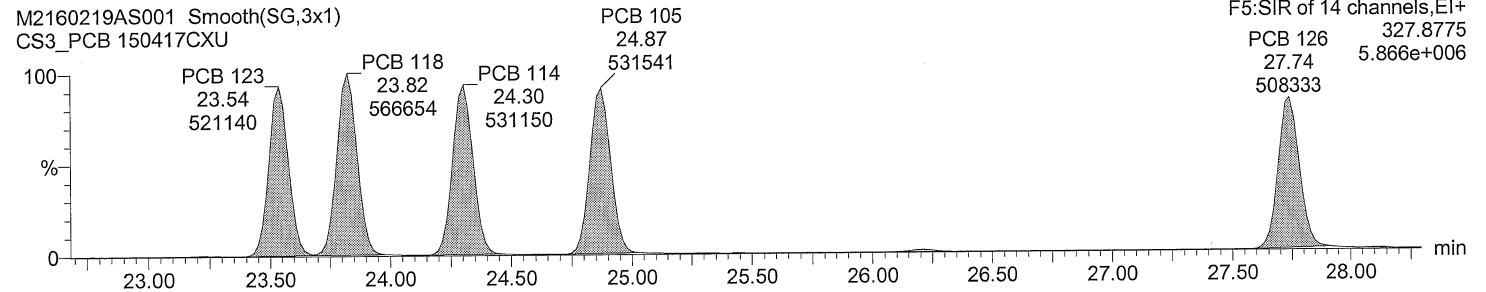
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

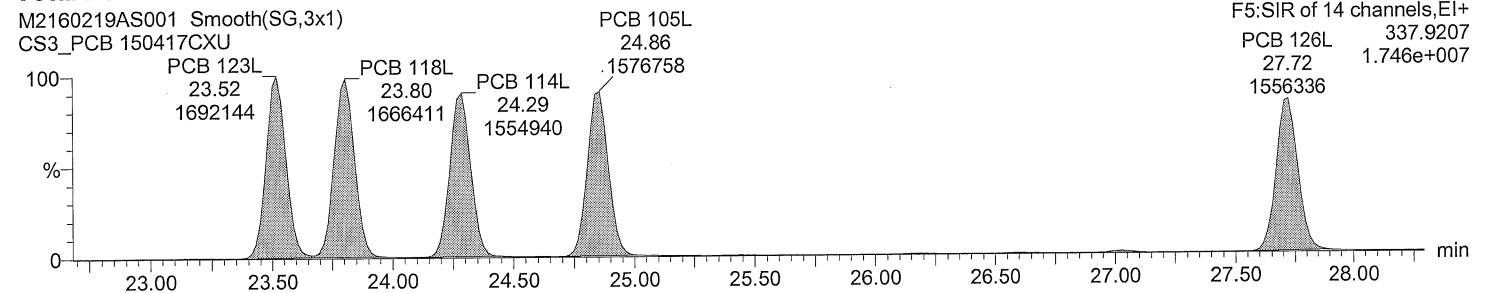
Total PeCB F5



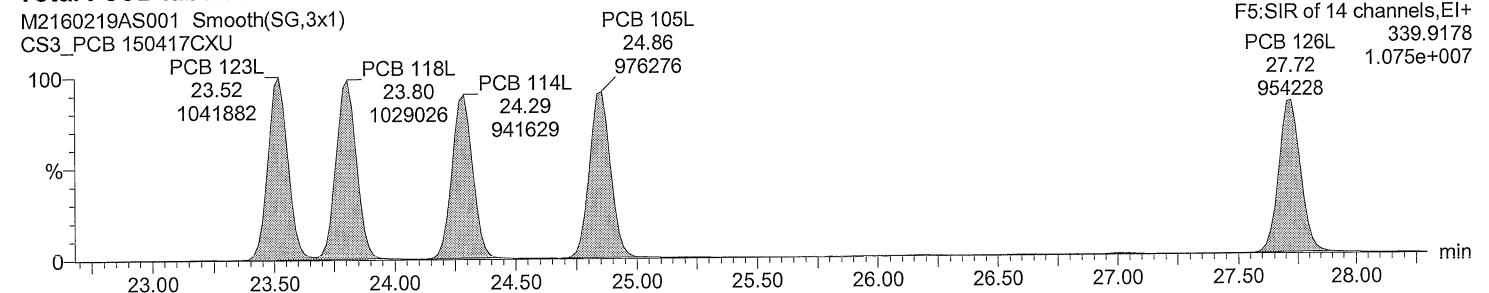
Total PeCB F5



Total PeCB labeled F5



Total PeCB labeled F5



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 1

Date: 19-FEB-2016

Time: 11:13:56

Instrument: Autospec-UltimaE

Total HxCB F4

M2160219AS001 Smooth(SG,3x1)

CS3\_PCB 150417CXU

PCB 155

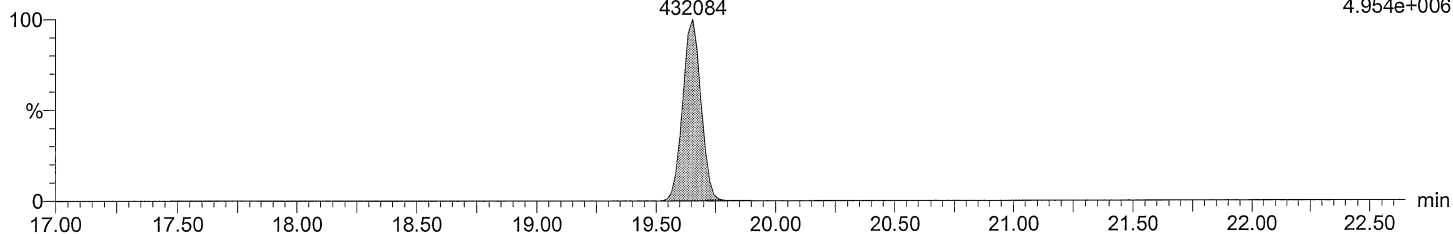
19.65

432084

F4:SIR of 14 channels,EI+

359.8415

4.954e+006



Total HxCB F4

M2160219AS001 Smooth(SG,3x1)

CS3\_PCB 150417CXU

PCB 155

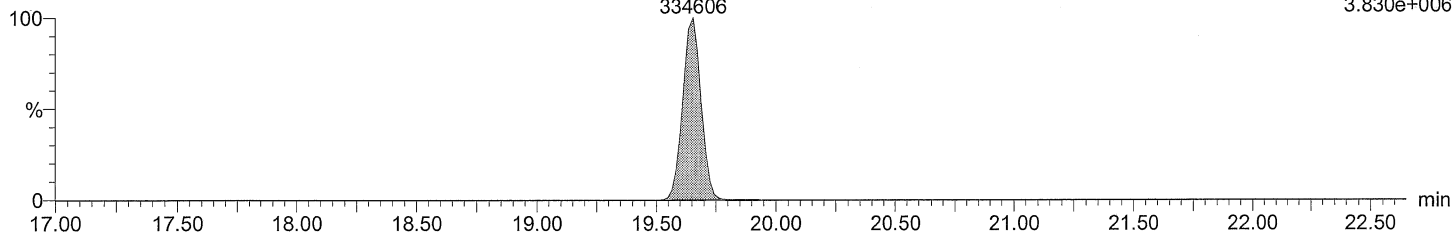
19.65

334606

F4:SIR of 14 channels,EI+

361.8385

3.830e+006



Total HxCB labeled F4

M2160219AS001 Smooth(SG,3x1)

CS3\_PCB 150417CXU

PCB 155L

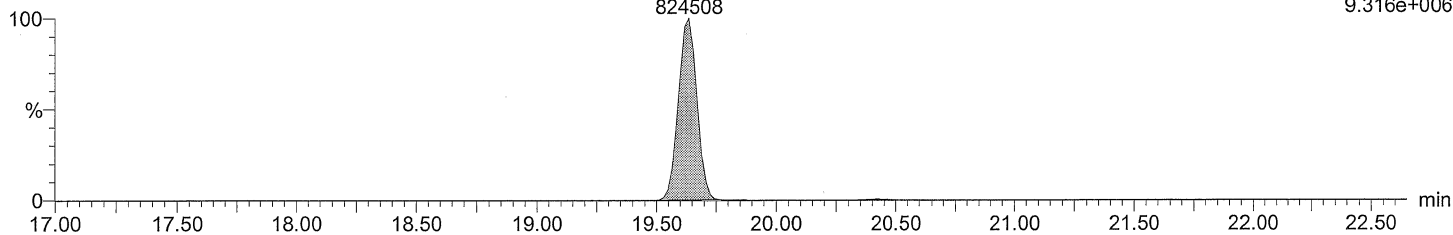
19.64

824508

F4:SIR of 14 channels,EI+

371.8817

9.316e+006



Total HxCB labeled F4

M2160219AS001 Smooth(SG,3x1)

CS3\_PCB 150417CXU

PCB 155L

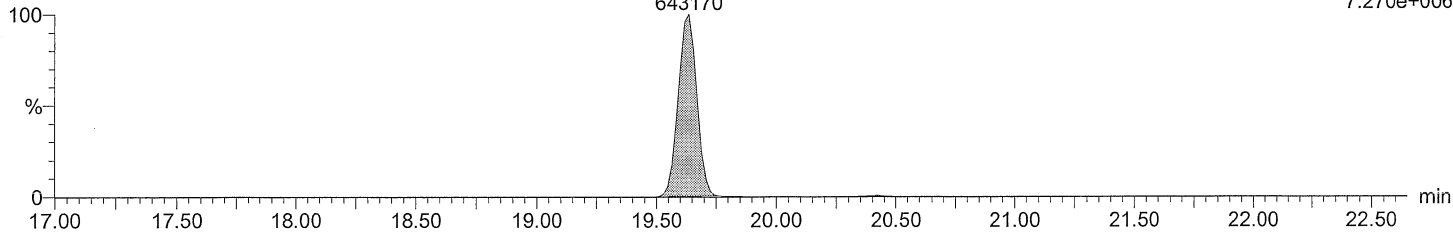
19.64

643170

F4:SIR of 14 channels,EI+

373.8788

7.270e+006



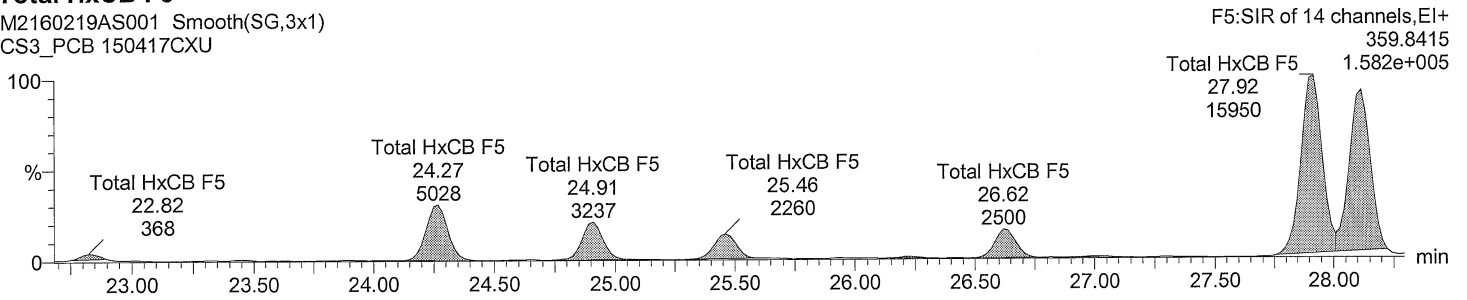
Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

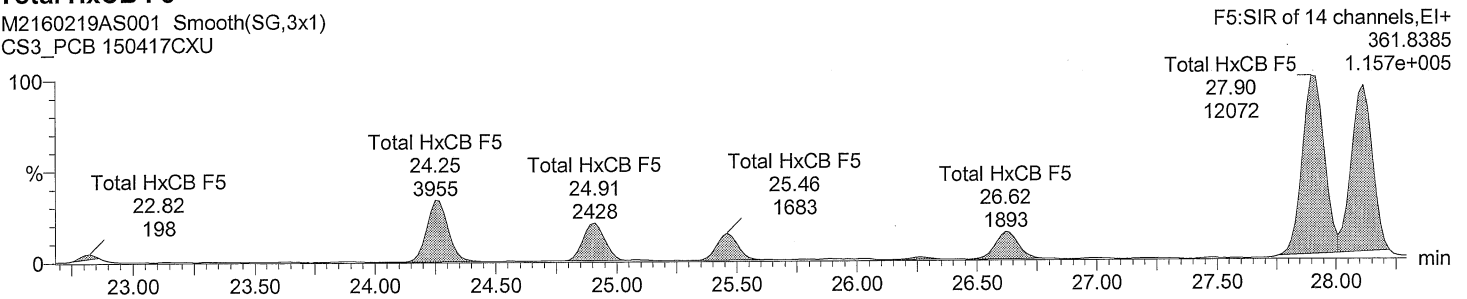
Total HxCB F5

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



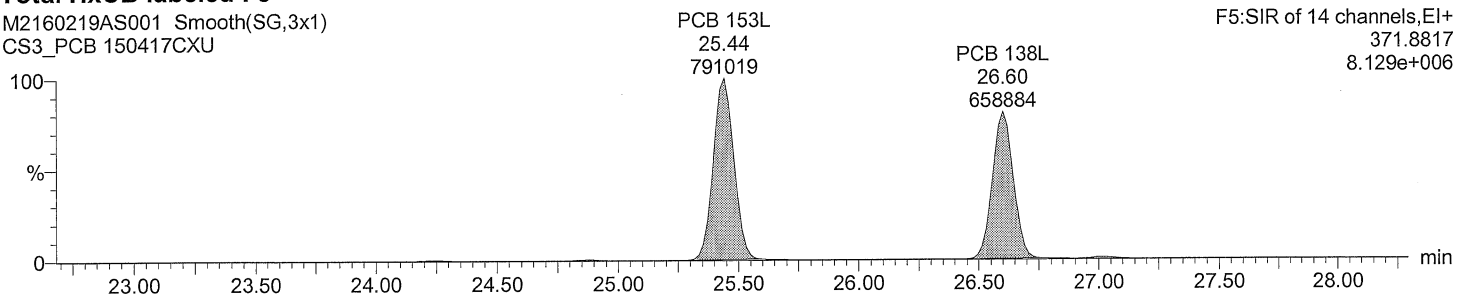
Total HxCB F5

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



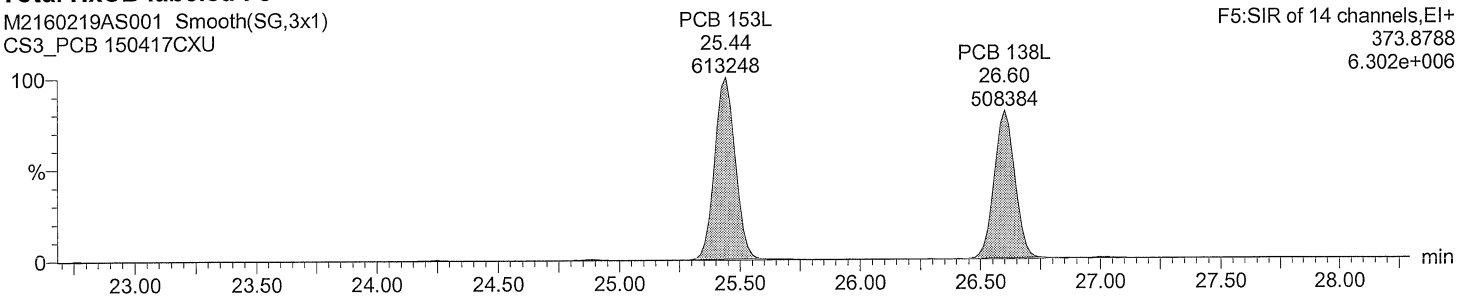
Total HxCB labeled F5

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Total HxCB labeled F5

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

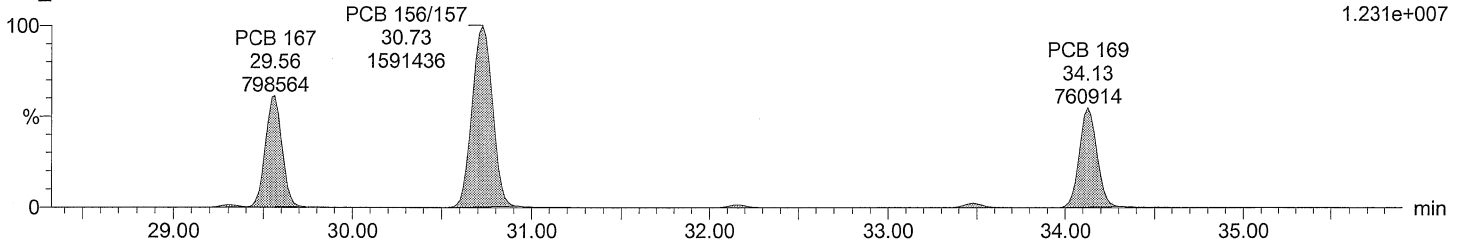
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

Total HxCB F6

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

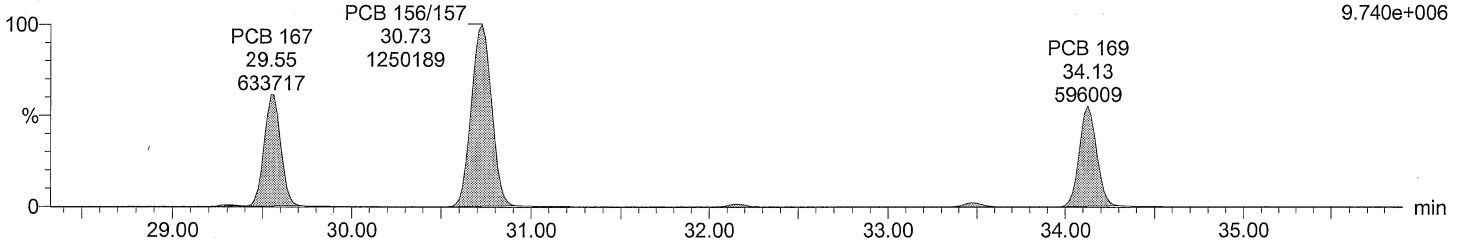
F6:SIR of 14 channels,EI+  
359.8415  
1.231e+007



Total HxCB F6

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

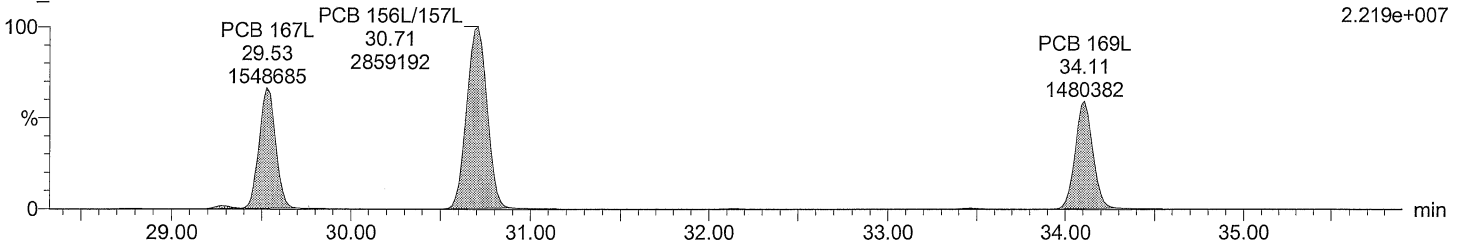
F6:SIR of 14 channels,EI+  
361.8385  
9.740e+006



Total HxCB labeled F6

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

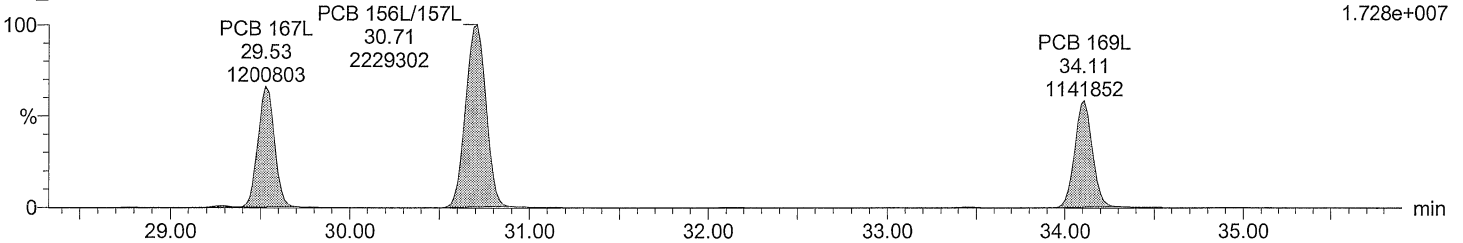
F6:SIR of 14 channels,EI+  
371.8817  
2.219e+007



Total HxCB labeled F6

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F6:SIR of 14 channels,EI+  
373.8788  
1.728e+007



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

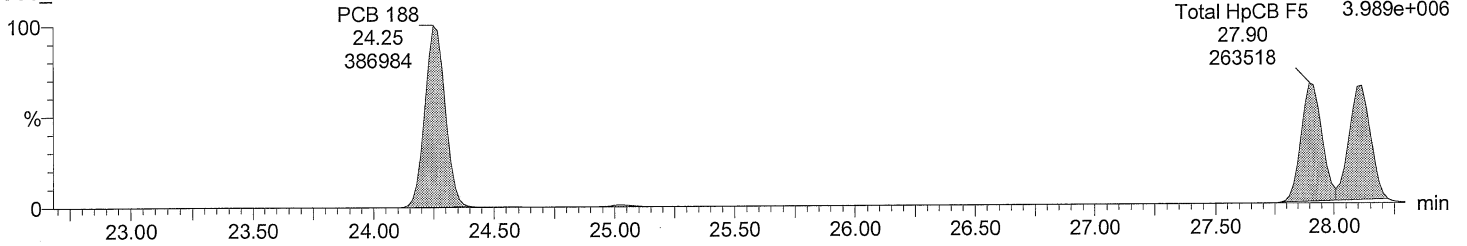
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

Total HpCB F5

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

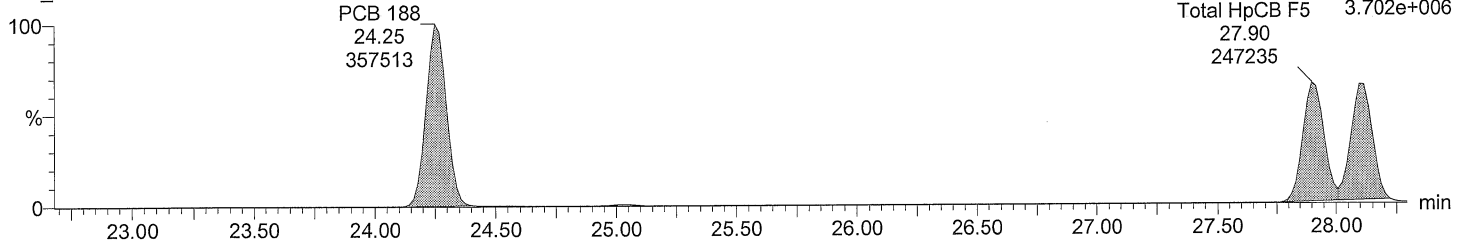
F5:SIR of 14 channels,EI+  
393.8025  
Total HpCB F5 3.989e+006  
27.90  
263518



Total HpCB F5

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

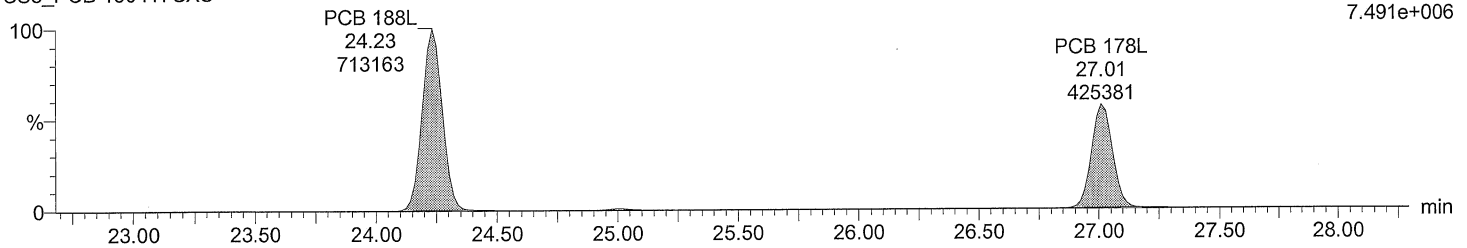
F5:SIR of 14 channels,EI+  
395.7995  
Total HpCB F5 3.702e+006  
27.90  
247235



Total HpCB labeled F5

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

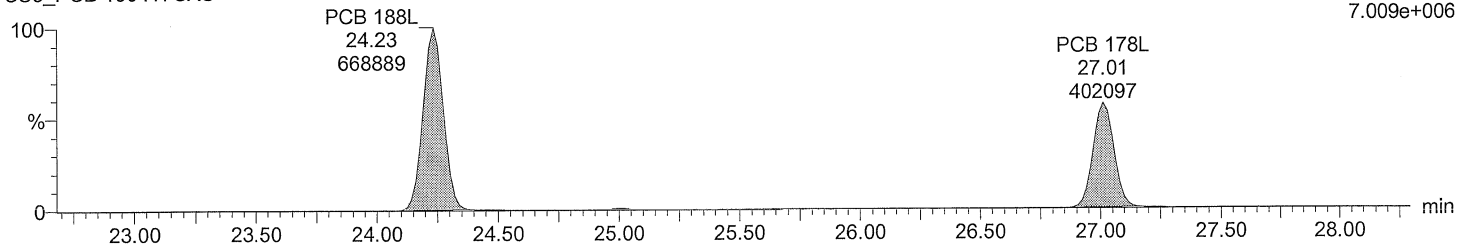
F5:SIR of 14 channels,EI+  
405.8428  
7.491e+006



Total HpCB labeled F5

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F5:SIR of 14 channels,EI+  
407.8398  
7.009e+006



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

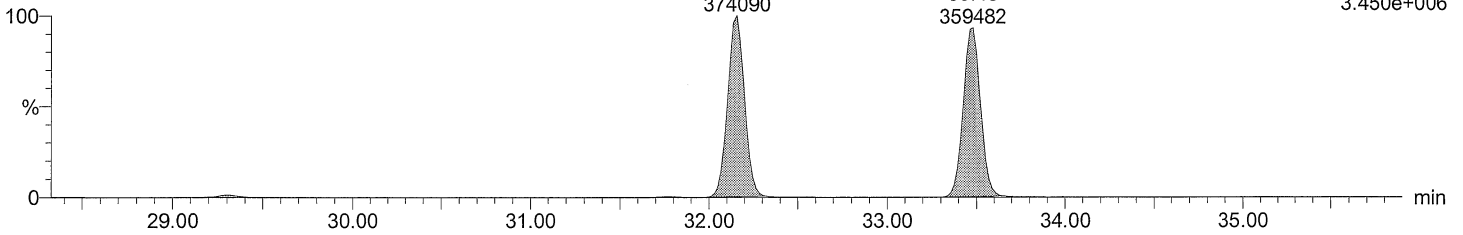
Total HpCB F6

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 193/180  
32.16  
374090

PCB 170  
33.48  
359482

F6:SIR of 14 channels,EI+  
393.8025  
3.450e+006



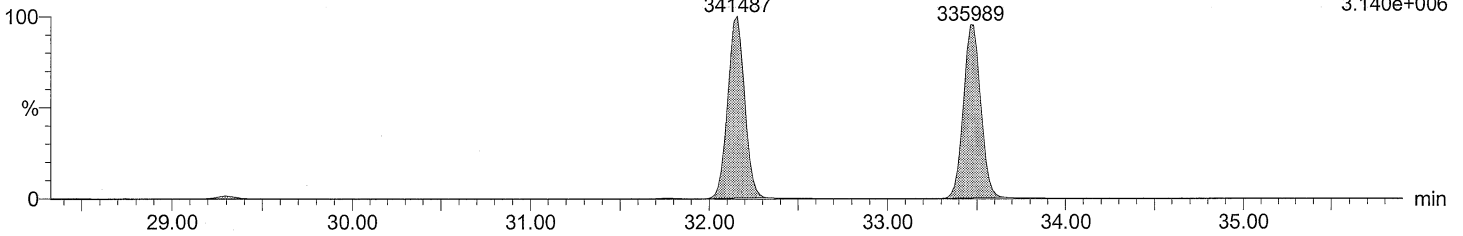
Total HpCB F6

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 193/180  
32.16  
341487

PCB 170  
33.46  
335989

F6:SIR of 14 channels,EI+  
395.7995  
3.140e+006



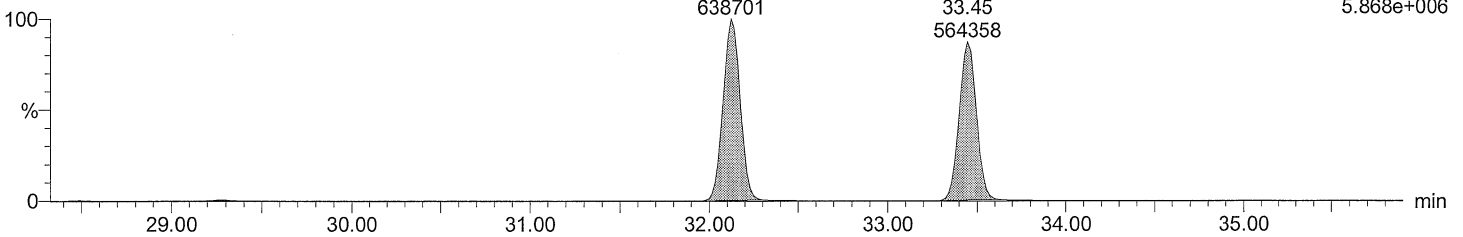
Total HpCB labeled F6

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 180L  
32.12  
638701

PCB 170L  
33.45  
564358

F6:SIR of 14 channels,EI+  
405.8428  
5.868e+006



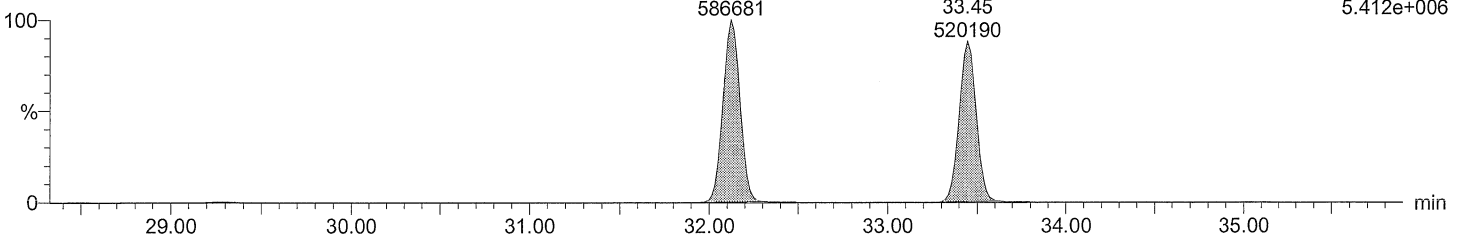
Total HpCB labeled F6

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 180L  
32.12  
586681

PCB 170L  
33.45  
520190

F6:SIR of 14 channels,EI+  
407.8398  
5.412e+006



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

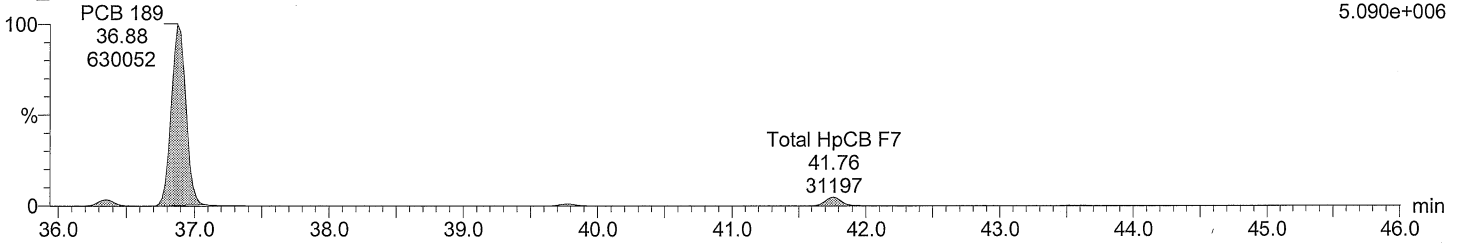
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

**Total HpCB F7**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

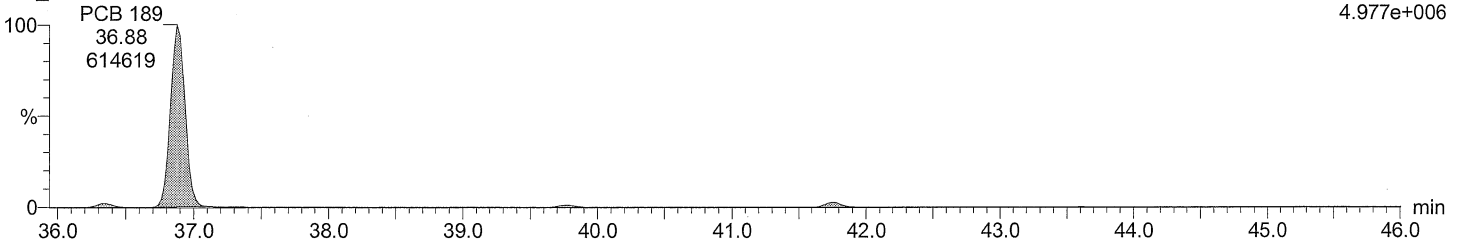
F7:SIR of 18 channels,EI+  
393.8025  
5.090e+006



**Total HpCB F7**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

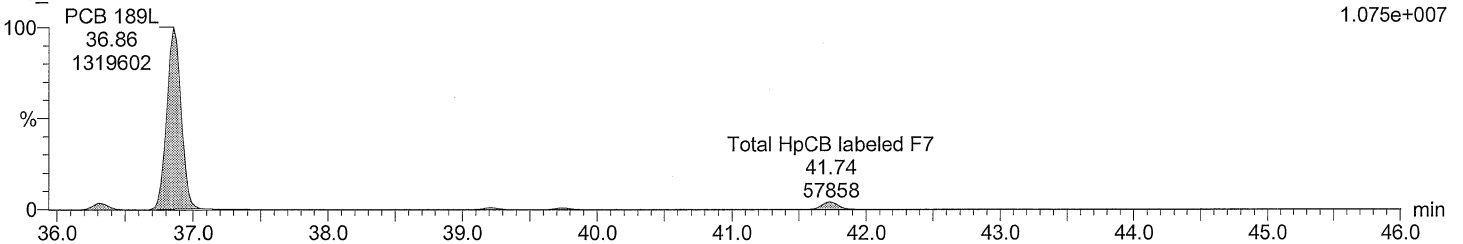
F7:SIR of 18 channels,EI+  
395.7995  
4.977e+006



**Total HpCB labeled F7**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

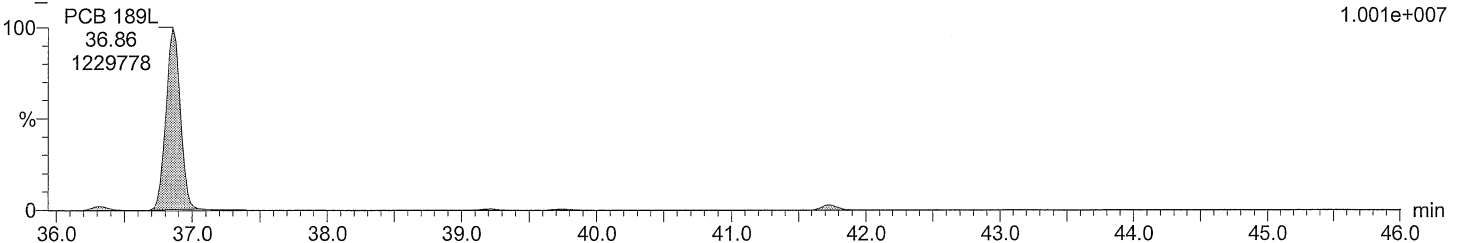
F7:SIR of 18 channels,EI+  
405.8428  
1.075e+007



**Total HpCB labeled F7**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F7:SIR of 18 channels,EI+  
407.8398  
1.001e+007



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 1

Date: 19-FEB-2016

Time: 11:13:56

Instrument: Autospec-UltimaE

Total OcCB F6

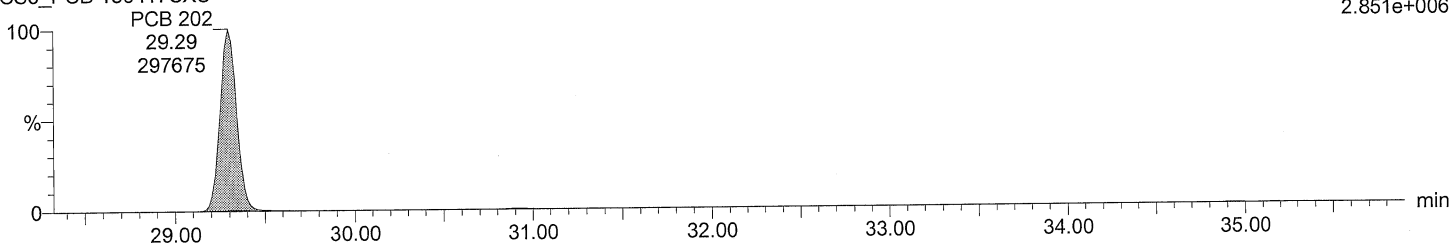
M2160219AS001 Smooth(SG,3x1)

CS3\_PCB 150417CXU

F6:SIR of 14 channels,EI+

427.7635

2.851e+006



Total OcCB F6

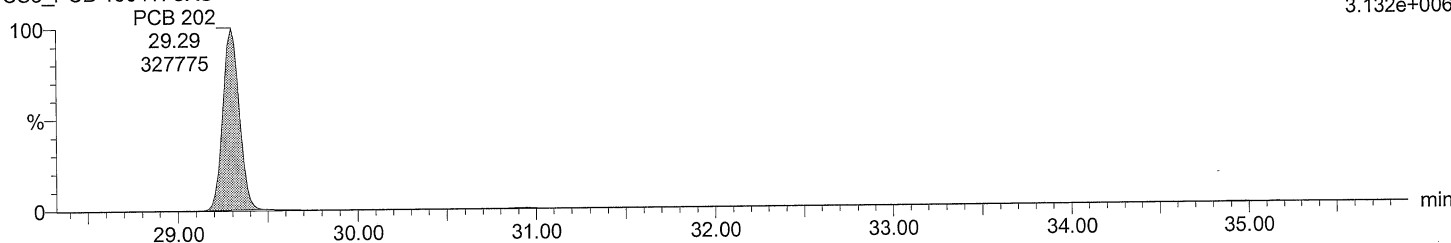
M2160219AS001 Smooth(SG,3x1)

CS3\_PCB 150417CXU

F6:SIR of 14 channels,EI+

429.7606

3.132e+006



Total OcCB labeled F6

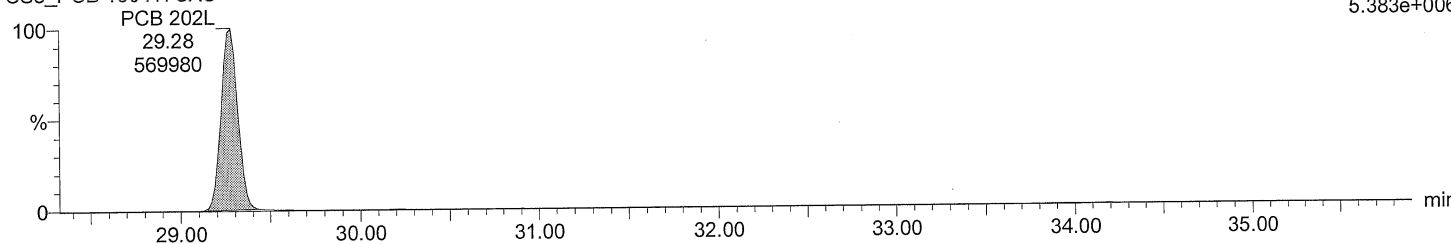
M2160219AS001 Smooth(SG,3x1)

CS3\_PCB 150417CXU

F6:SIR of 14 channels,EI+

439.8038

5.383e+006



Total OcCB labeled F6

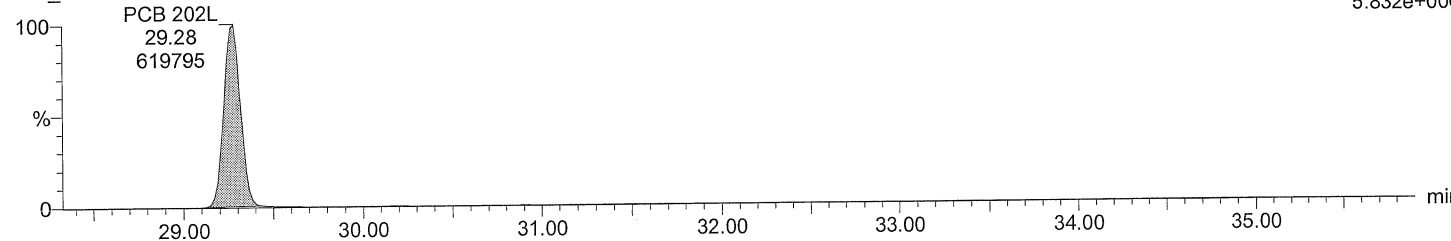
M2160219AS001 Smooth(SG,3x1)

CS3\_PCB 150417CXU

F6:SIR of 14 channels,EI+

441.8008

5.832e+006





Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 1

Date: 19-FEB-2016

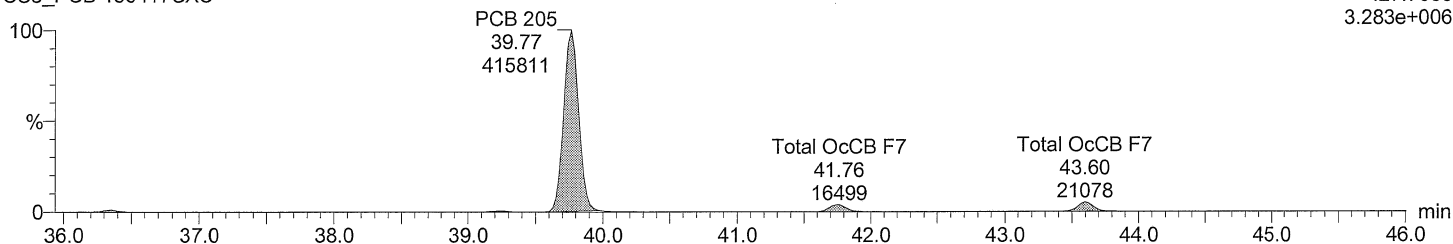
Time: 11:13:56

Instrument: Autospec-UltimaE

Total OcCB F7

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

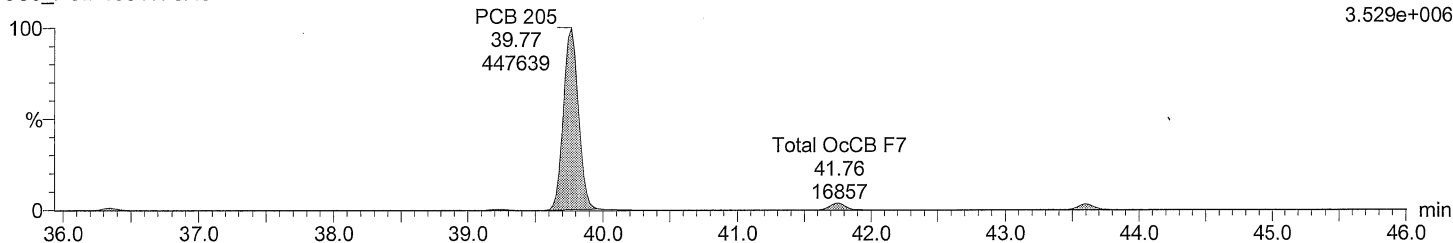
F7:SIR of 18 channels,EI+  
427.7635  
3.283e+006



Total OcCB F7

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

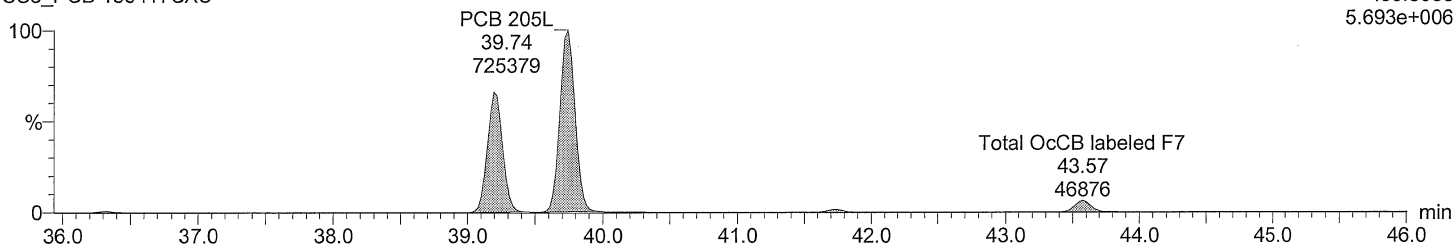
F7:SIR of 18 channels,EI+  
429.7606  
3.529e+006



Total OcCB labeled F7

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

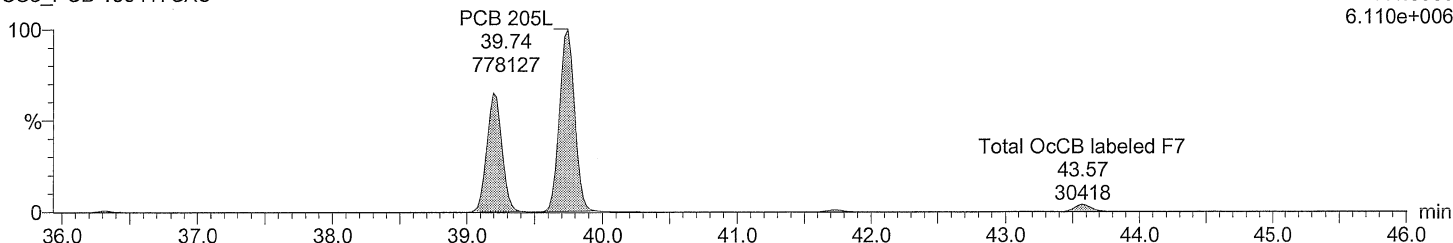
F7:SIR of 18 channels,EI+  
439.8038  
5.693e+006



Total OcCB labeled F7

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F7:SIR of 18 channels,EI+  
441.8008  
6.110e+006



Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

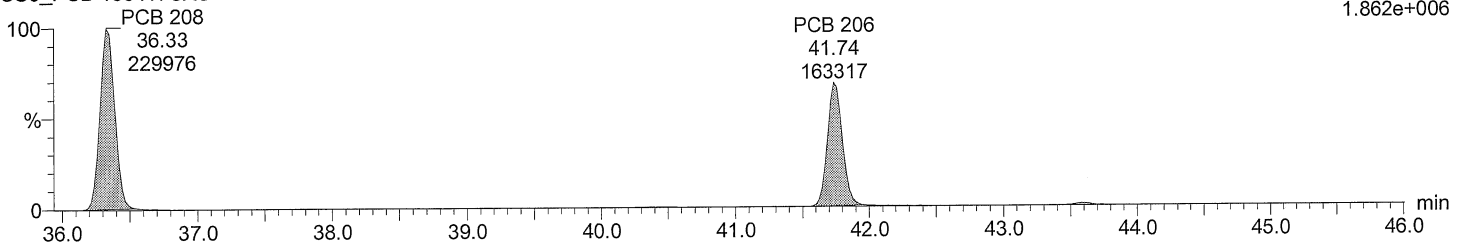
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

Total NoCB F7

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

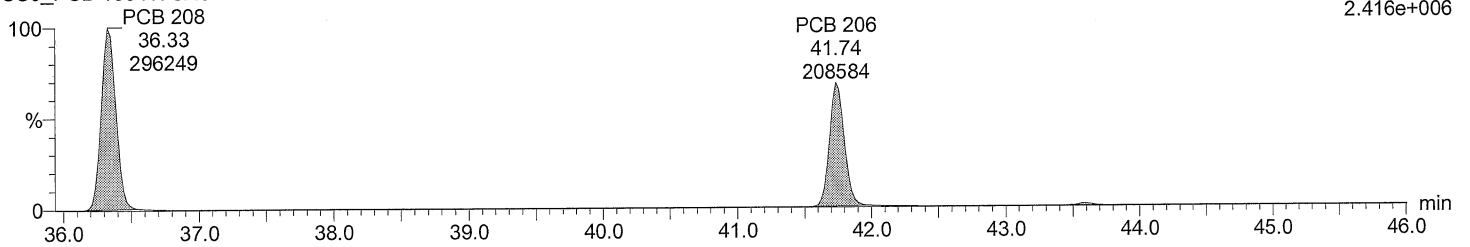
F7:SIR of 18 channels, EI+  
461.7246  
1.862e+006



Total NoCB F7

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

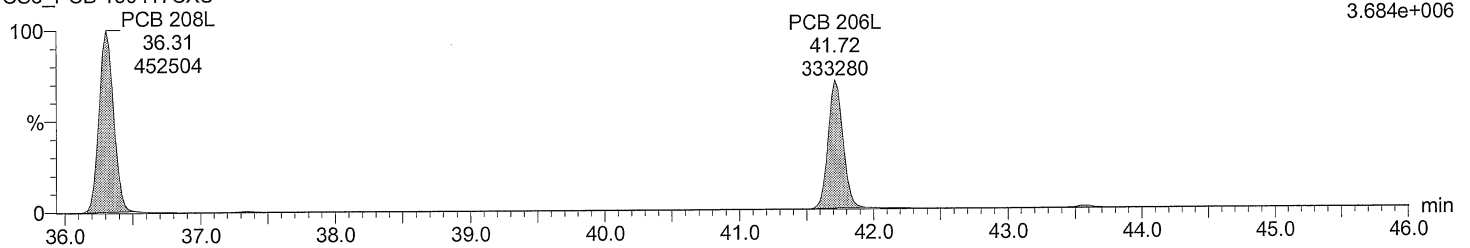
F7:SIR of 18 channels, EI+  
463.7216  
2.416e+006



Total NoCB labeled F7

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

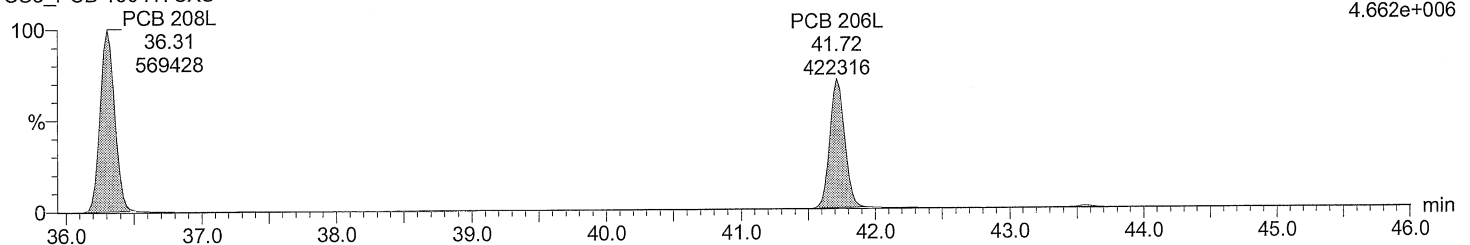
F7:SIR of 18 channels, EI+  
473.7648  
3.684e+006



Total NoCB labeled F7

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

F7:SIR of 18 channels, EI+  
475.7619  
4.662e+006



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

**Description: CS3\_PCB 150417CXU**

**Vial: 1**

**Date: 19-FEB-2016**

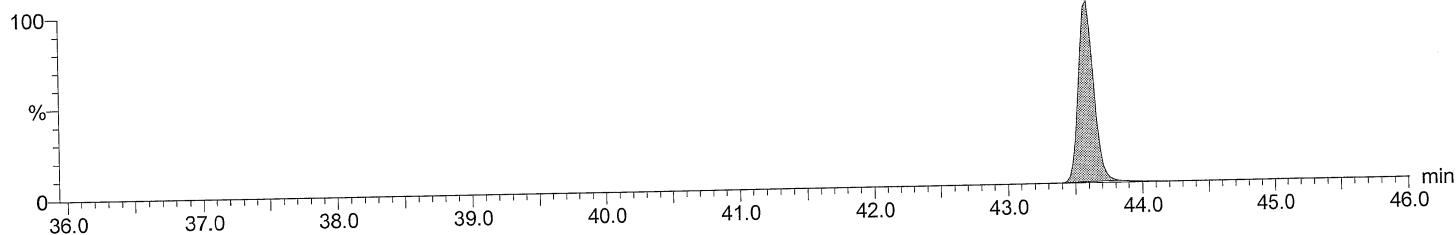
**Time: 11:13:56**

**Instrument: Autospec-UltimaE**

**Total DeCB F7**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

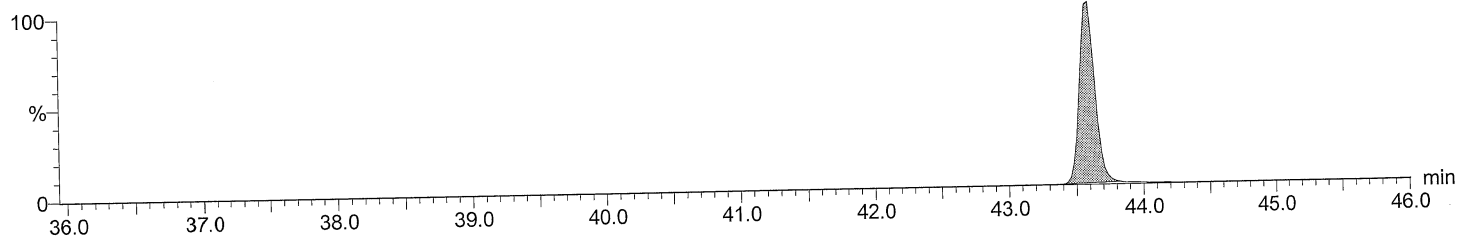
PCB 209 F7:SIR of 18 channels,EI+  
43.60 497.6826  
191601 1.479e+006



**Total DeCB F7**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

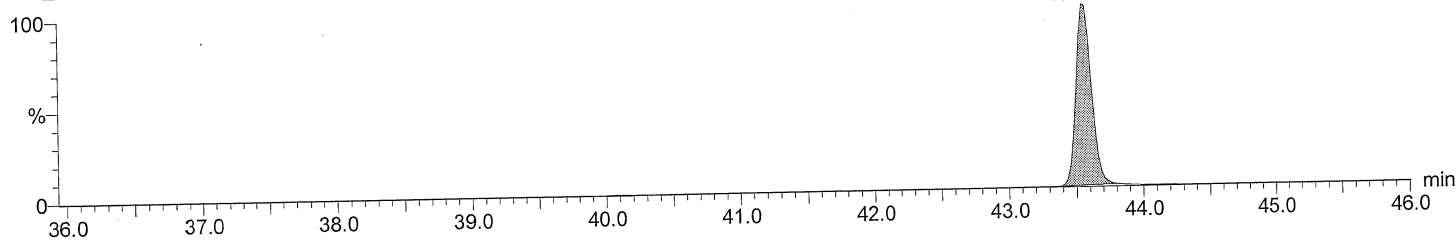
PCB 209 F7:SIR of 18 channels,EI+  
43.60 499.6797  
157604 1.200e+006



**Total DeCB labeled F7**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

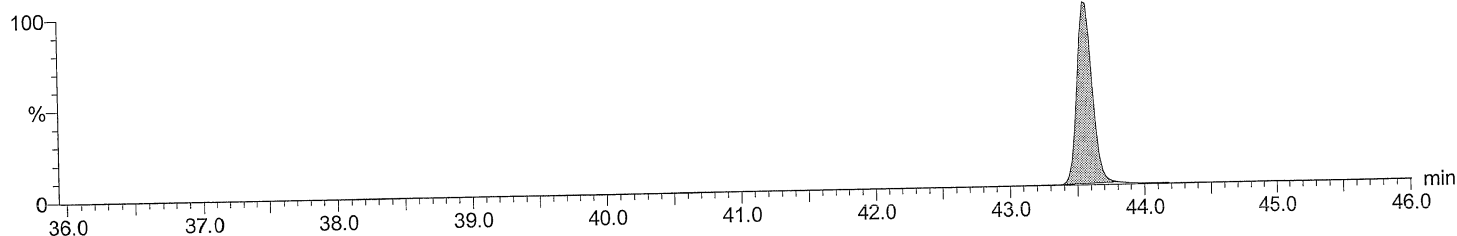
PCB 209L F7:SIR of 18 channels,EI+  
43.55 509.7229  
403262 3.045e+006



**Total DeCB labeled F7**

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

PCB 209L F7:SIR of 18 channels,EI+  
43.55 511.7199  
331080 2.523e+006



Acquired Date

Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time

Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU

Vial: 1

Date: 19-FEB-2016

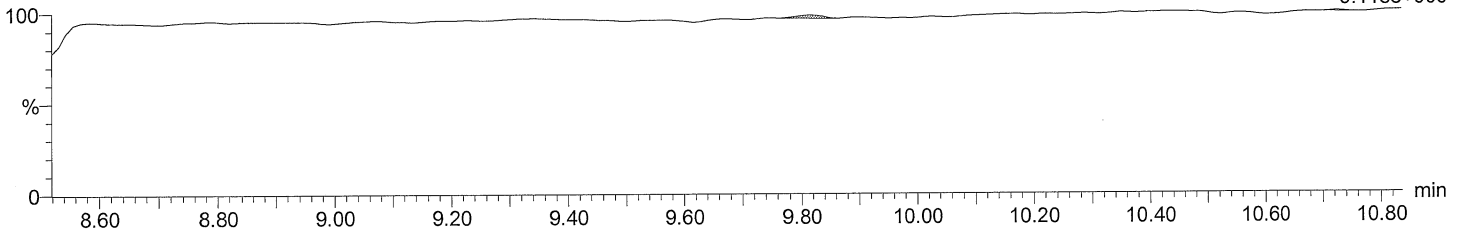
Time: 11:13:56

Instrument: Autospec-UltimaE

lockmass F1

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

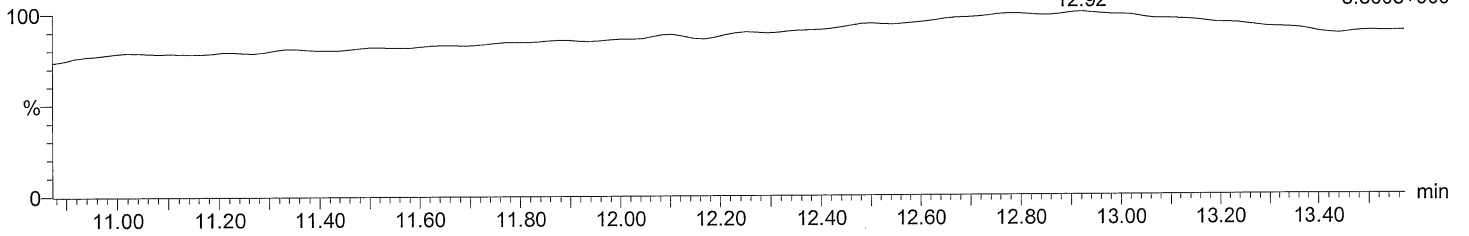
F1:SIR of 10 channels,EI+  
218.9856  
9.118e+006



lockmass F2

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

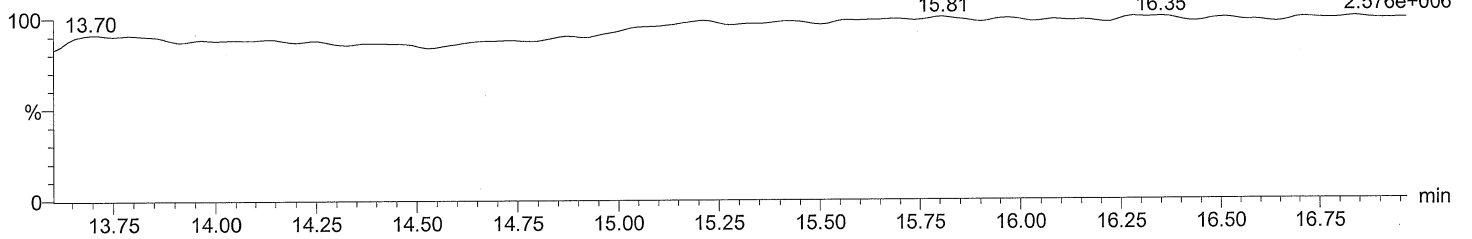
F2:SIR of 16 channels,EI+  
242.9856  
3.360e+006



lockmass F3

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

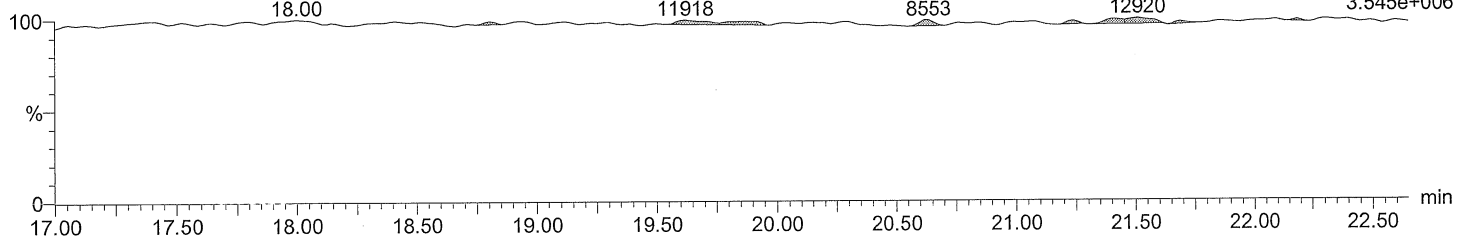
F3:SIR of 14 channels,EI+  
292.9824  
2.576e+006



lockmass F4

M2160219AS001 Smooth(SG,3x1)  
CS3\_PCB 150417CXU

lockmass F4	lockmass F4	lockmass F4	F4:SIR of 14 channels,EI+
19.62	20.63	21.51	330.9792
11918	8553	12920	3.545e+006

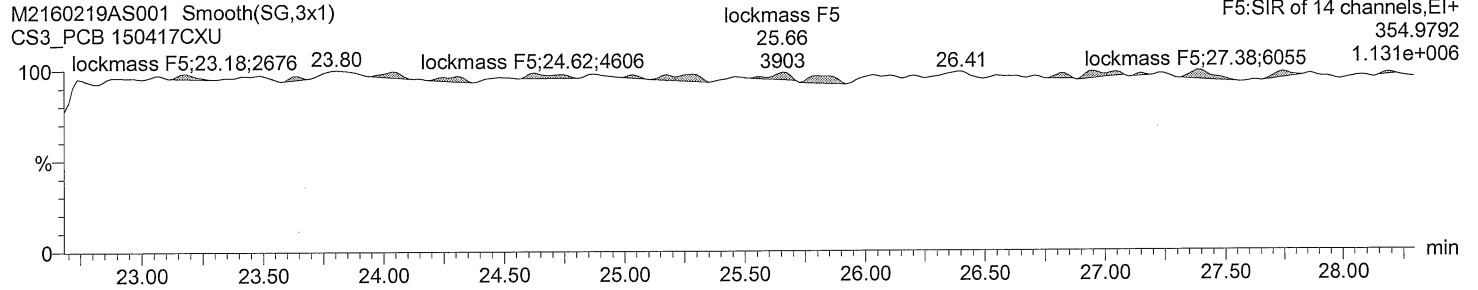


Dataset: C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

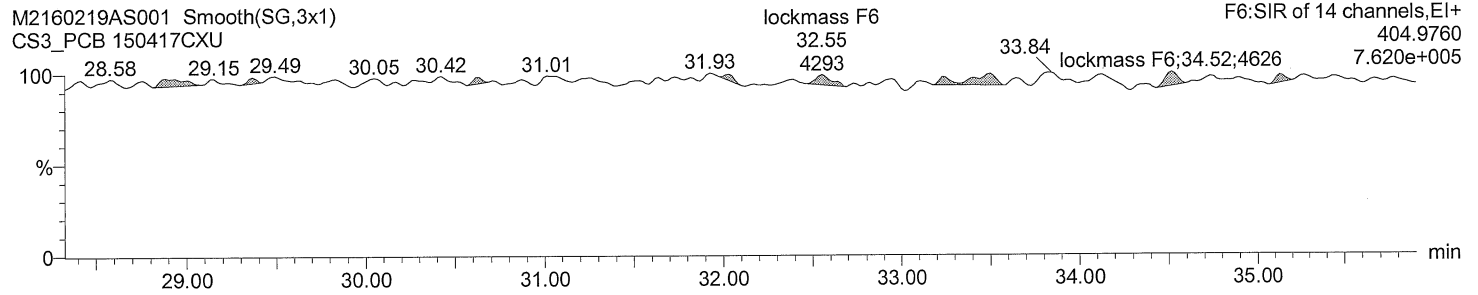
Last Altered: February 21, 2016 4:29:30 PM Eastern Standard Time  
Printed: February 21, 2016 4:30:08 PM Eastern Standard Time

Description: CS3\_PCB 150417CXU  
Vial: 1  
Date: 19-FEB-2016  
Time: 11:13:56  
Instrument: Autospec-UltimaE

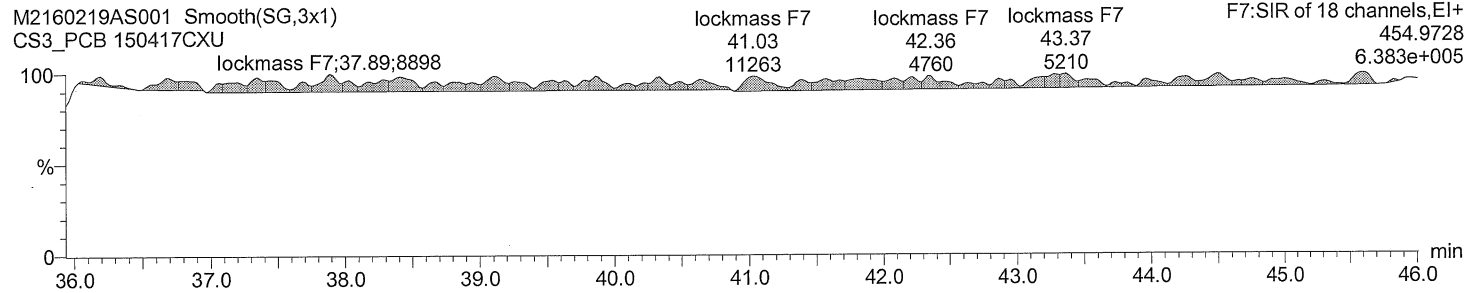
lockmass F5



lockmass F6



lockmass F7



**Quantify Audit Report**      **MassLynx 4.0 SP1**

Acquired Date

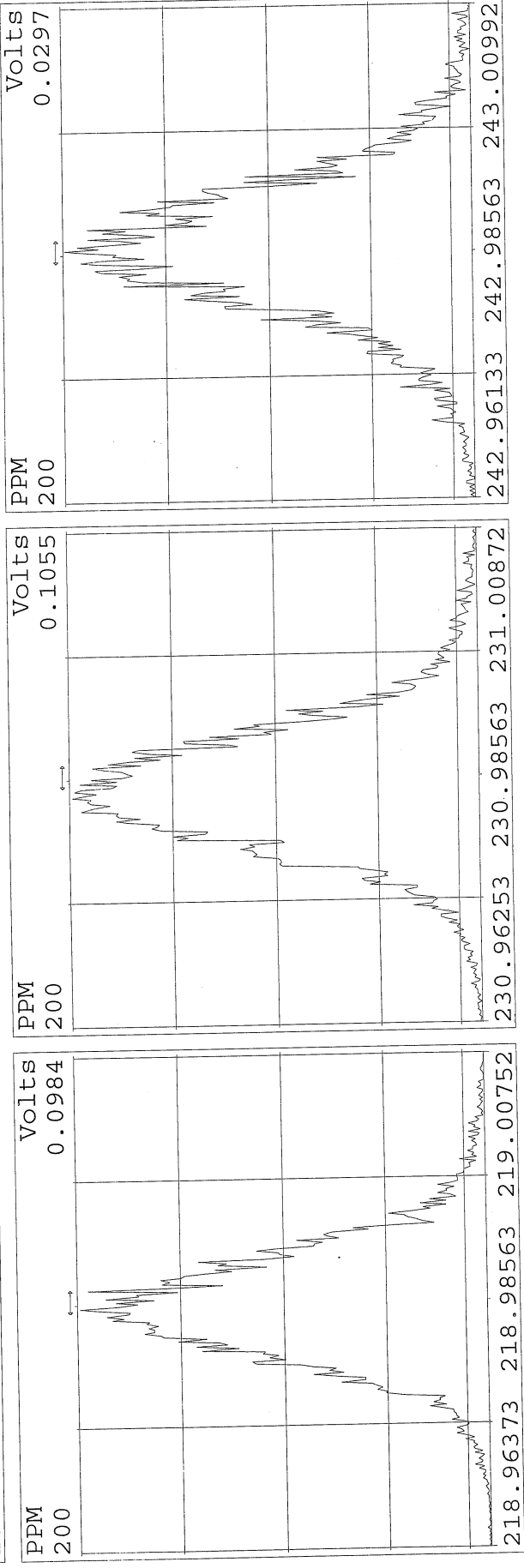
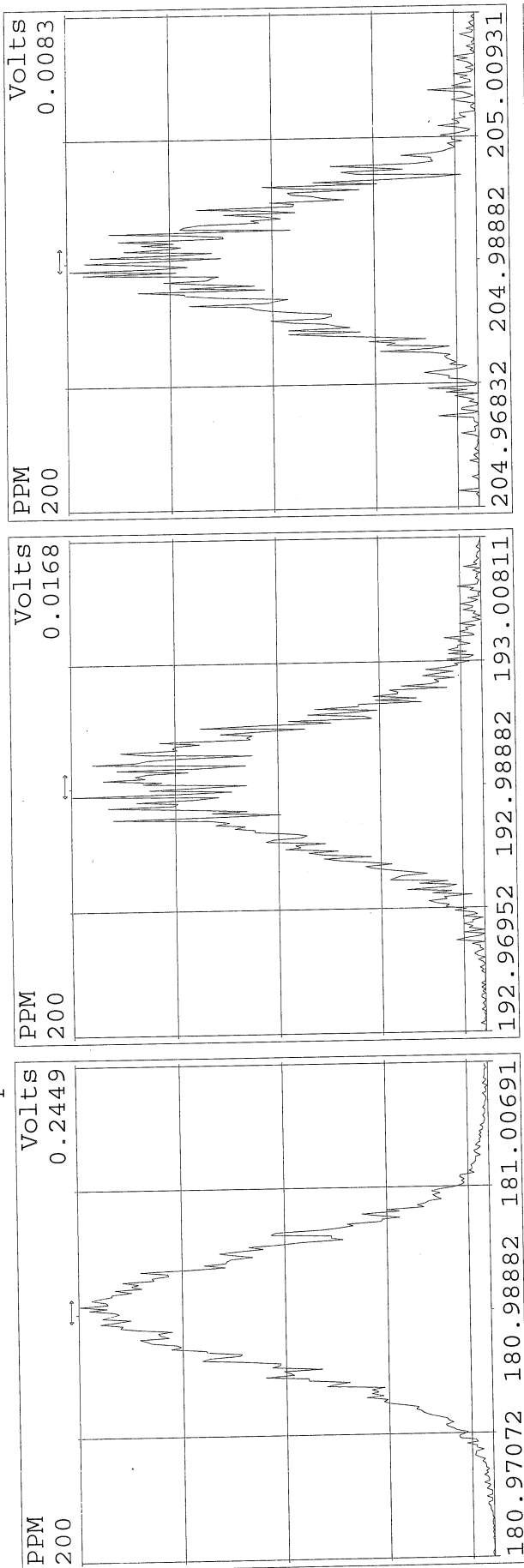
Dataset:            C:\MassLynx\Default.pro\QLD\M2160219AS001CS3\_1668A.qld

Last Altered:        February 21, 2016 4:29:30 PM Eastern Standard Time

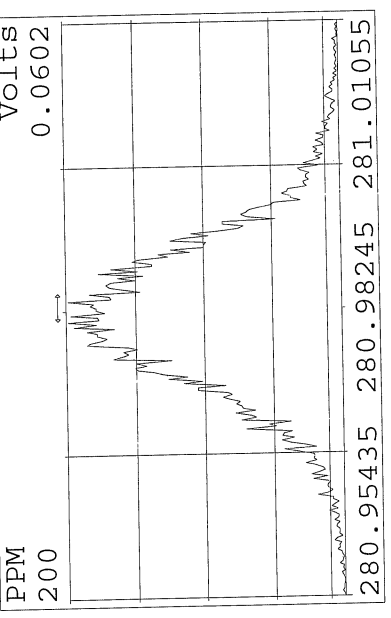
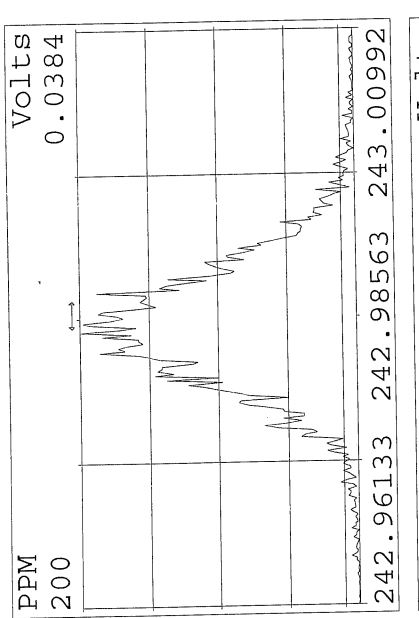
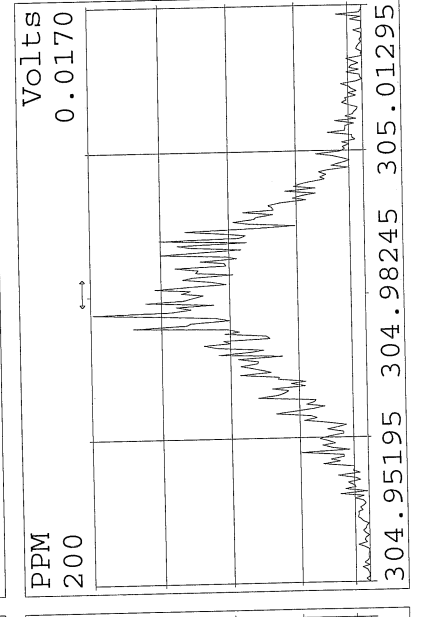
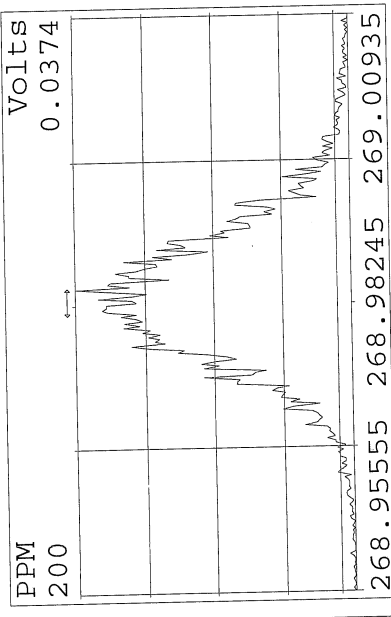
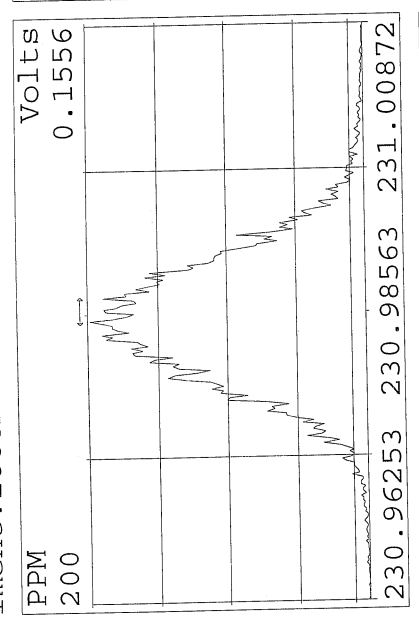
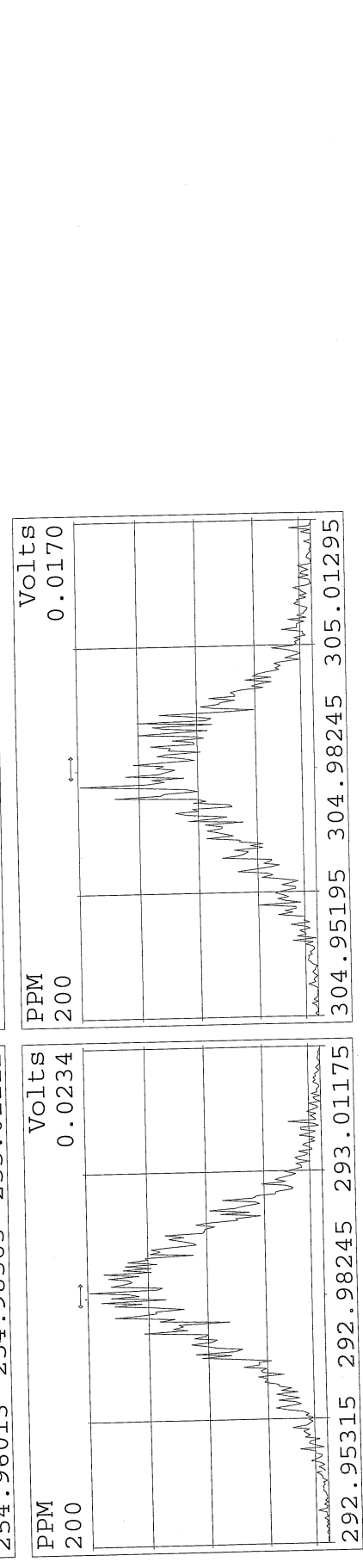
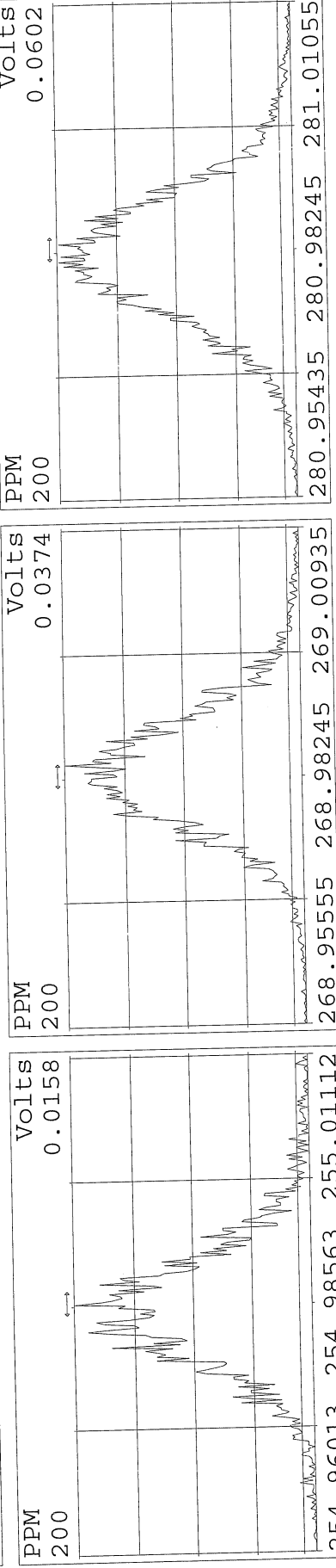
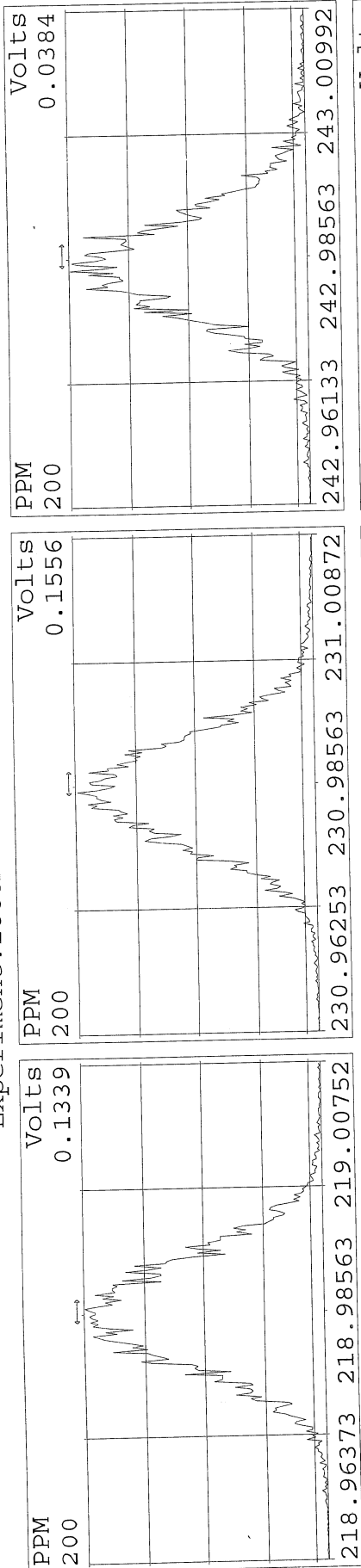
Printed:             February 21, 2016 4:30:08 PM Eastern Standard Time

Date	Time	Event	RT	Details	Comments
21-Feb-16	16:29:30	Process Integrate			
21-Feb-16	16:29:30	Process Quantify			
21-Feb-16	16:29:30	Dataset Created			
21-Feb-16	16:30:03	Dataset Saved		Saved to 'C:\MassLynx\Default.pro\QLD\M21602...	

Peak Locate Examination:19-FEB-2016:11:11 File:M2160219A  
Experiment:1668A Function:1 Reference:PFK

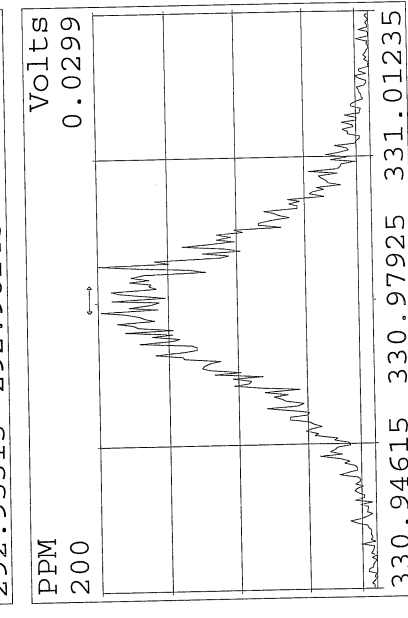
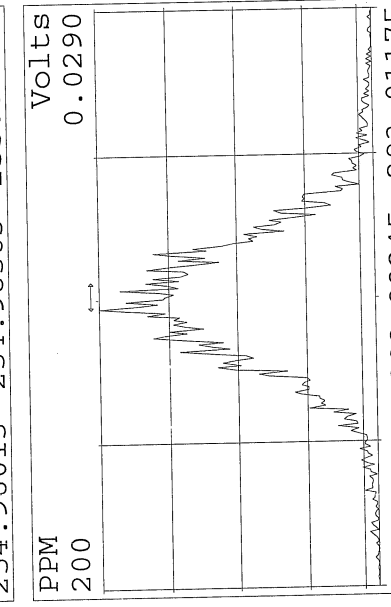
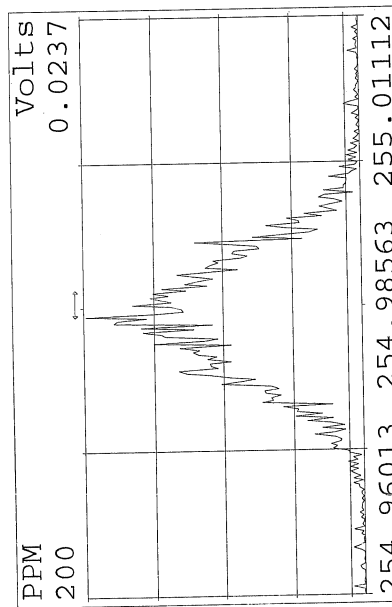
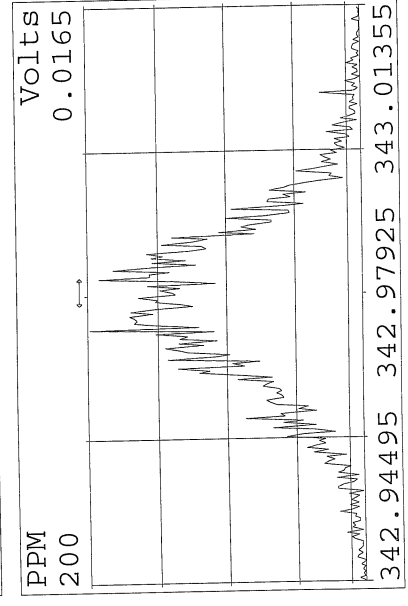
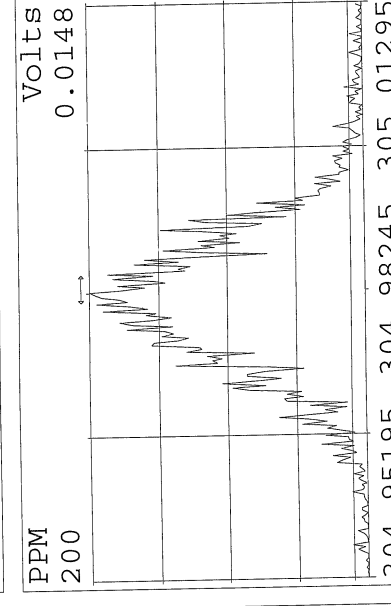
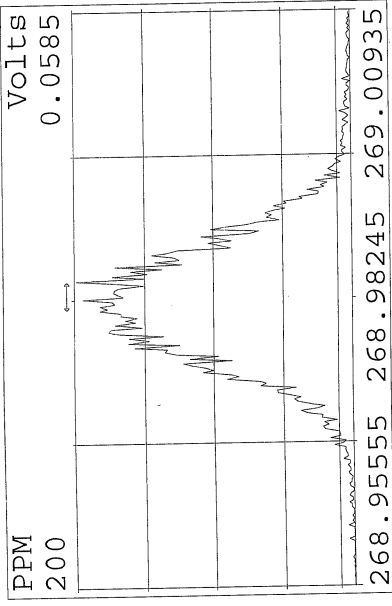
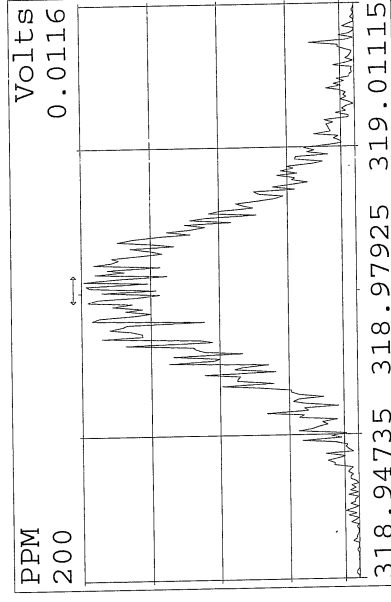
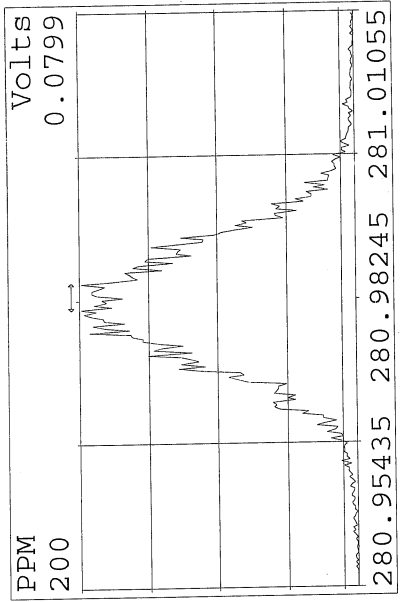


Peak Locate Examination:19-FEB-2016:11:11 File:M2160219A  
 Experiment:1668A Function:2 Reference:PFK

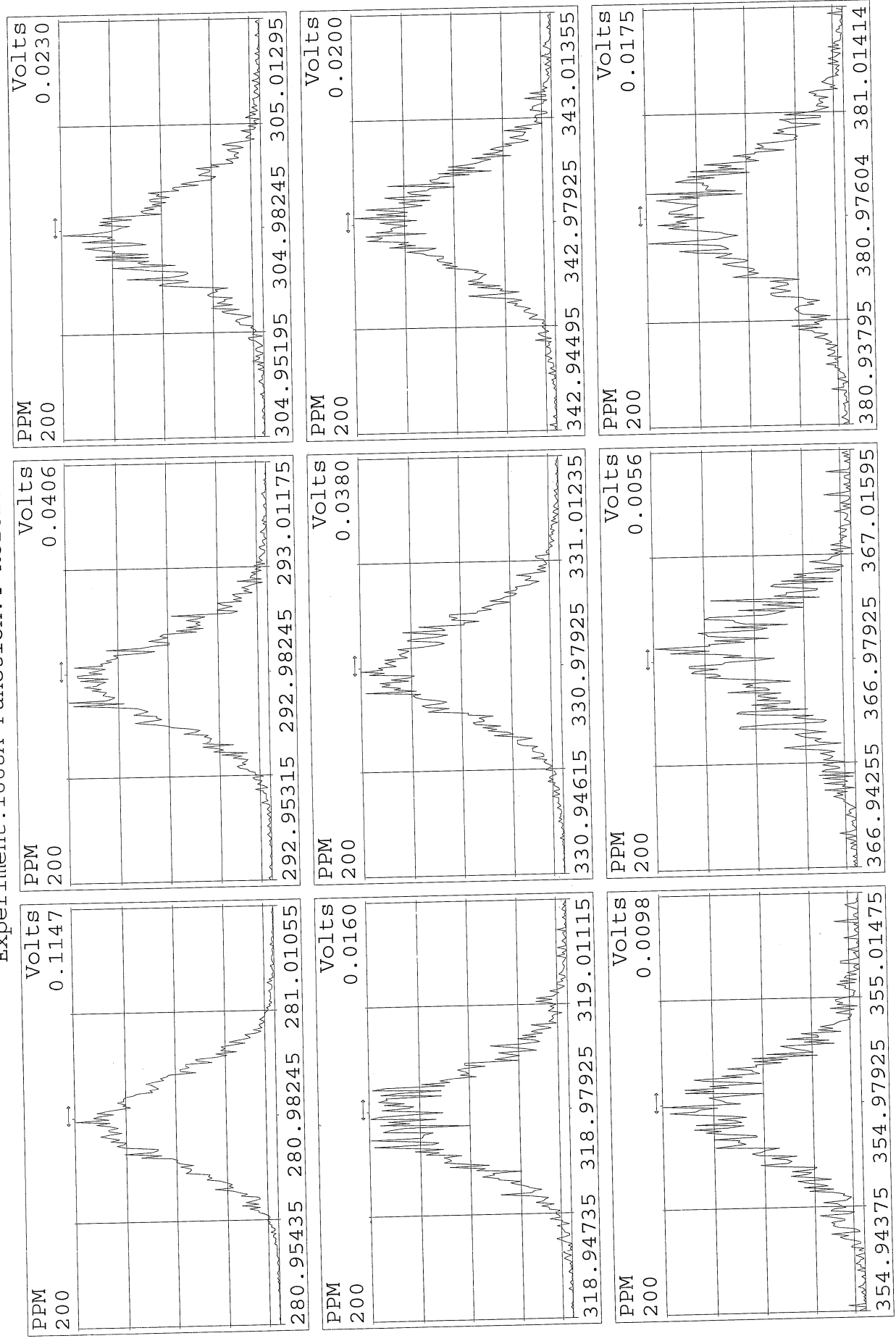




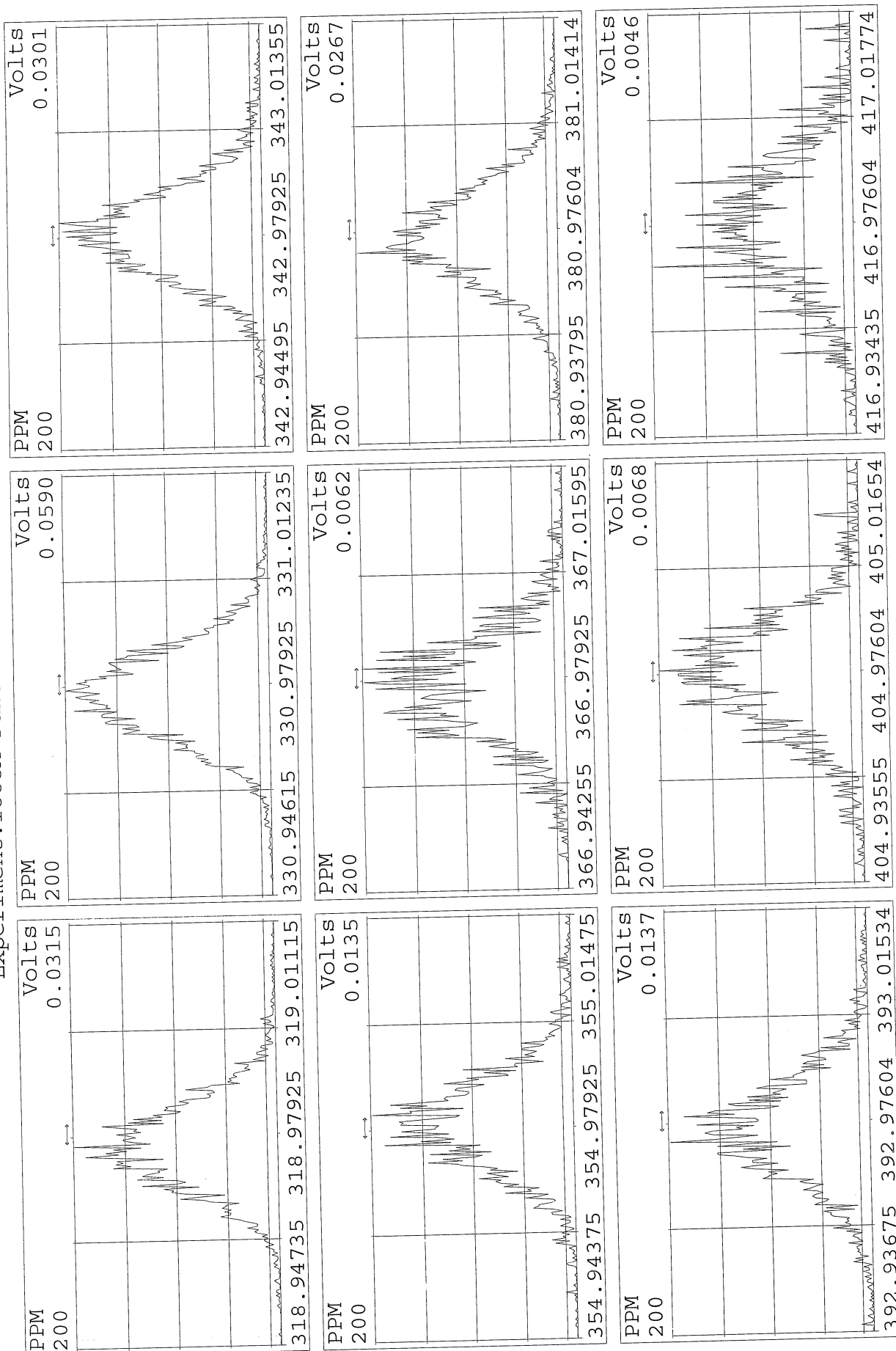
Peak Locate Examination:19-FEB-2016:11:12 File:M2160219A  
 Experiment:1668A Function:3 Reference:PFK



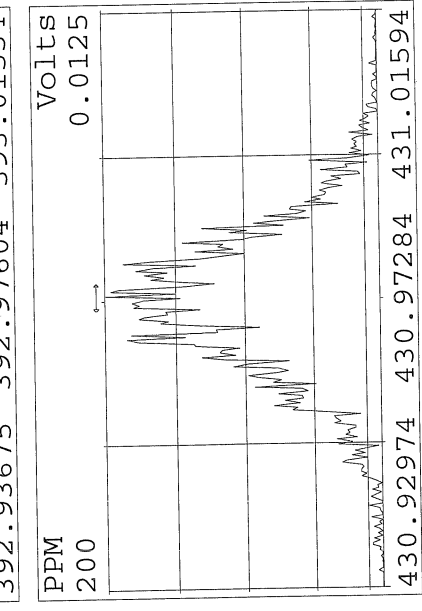
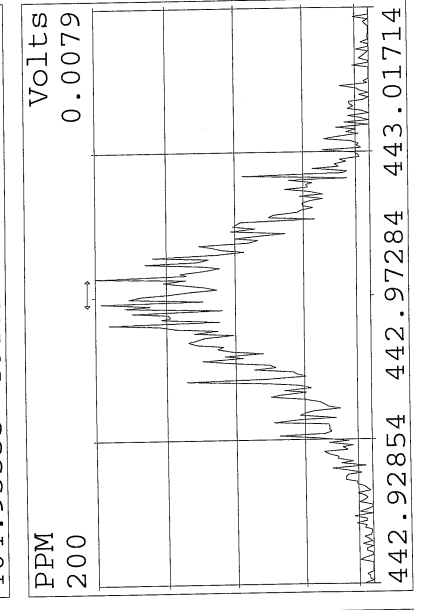
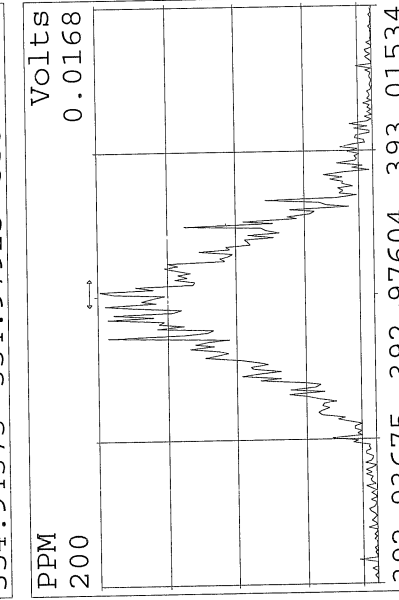
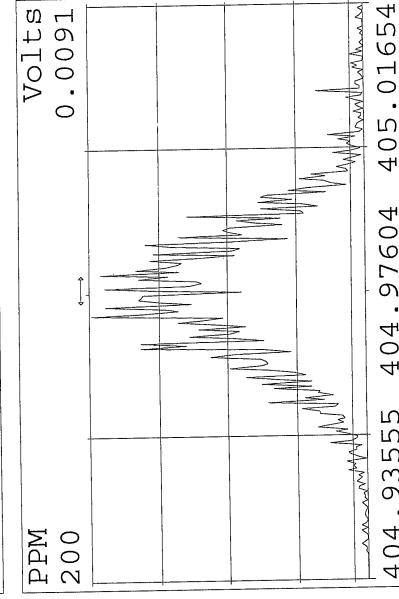
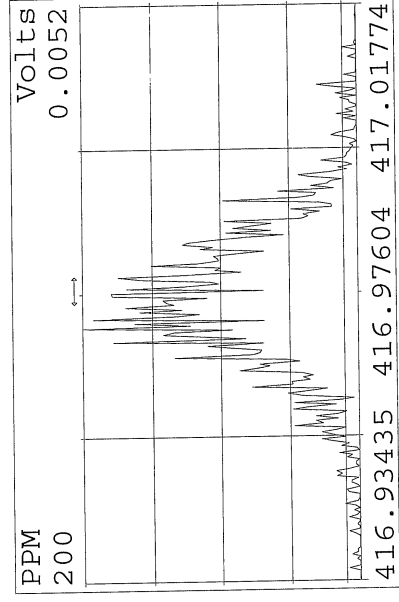
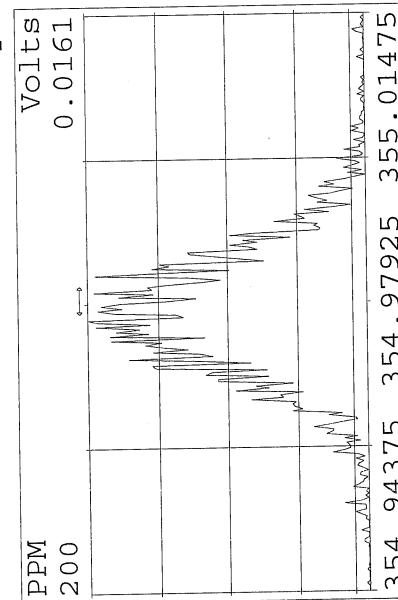
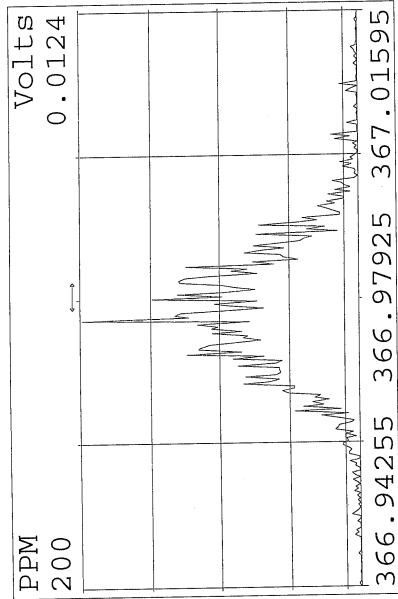
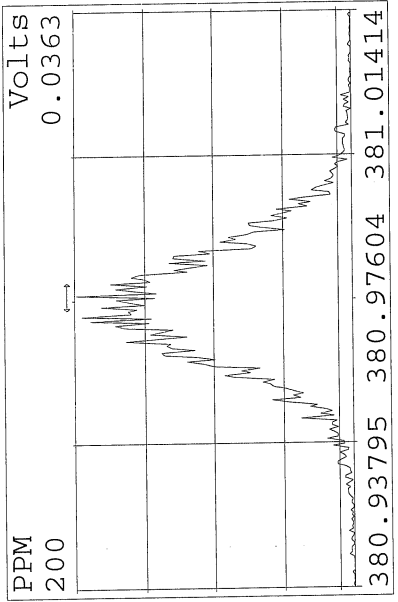
Peak Locate Examination:19-FEB-2016:11:12 File:M2160219A  
Experiment:1668A Function:4 Reference:PFK



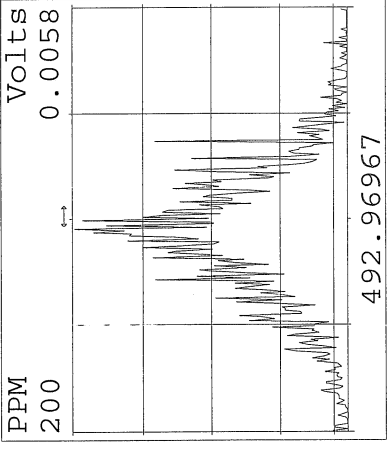
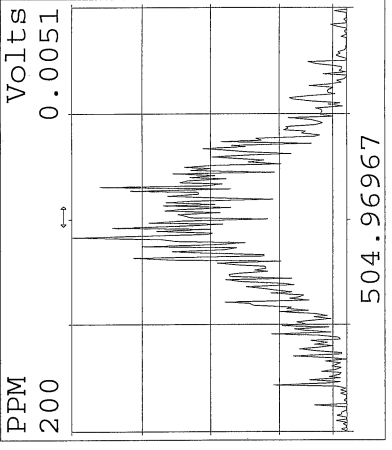
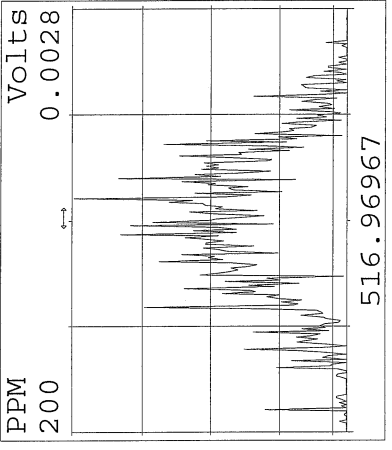
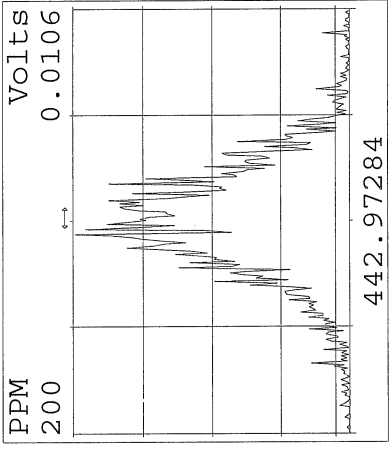
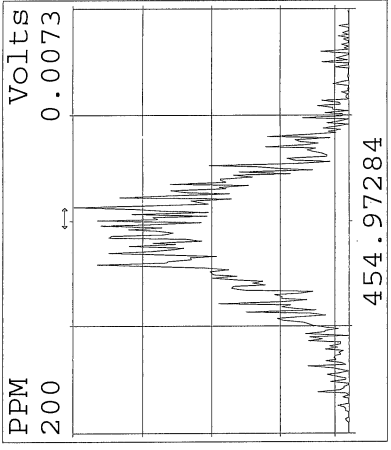
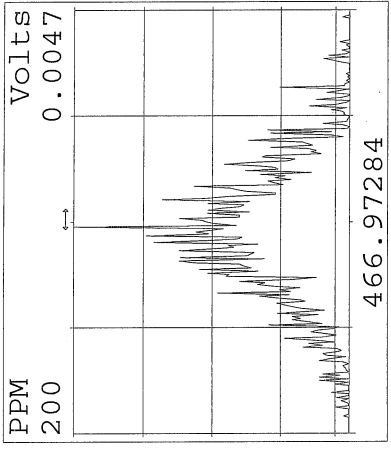
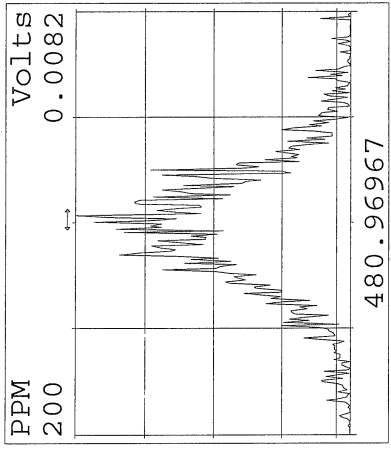
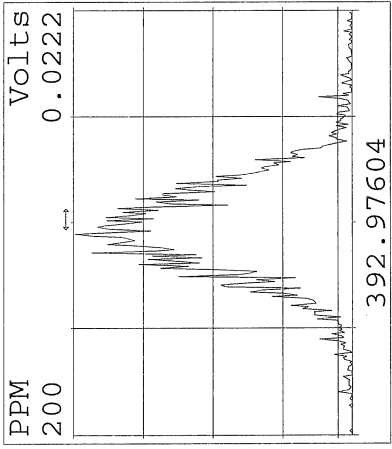
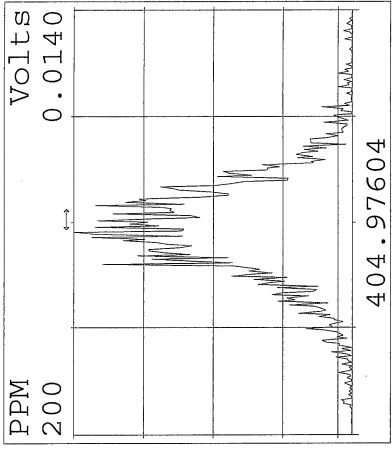
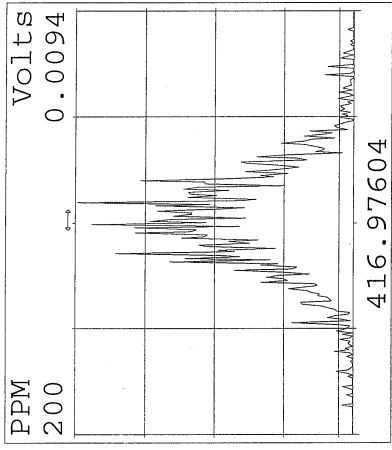
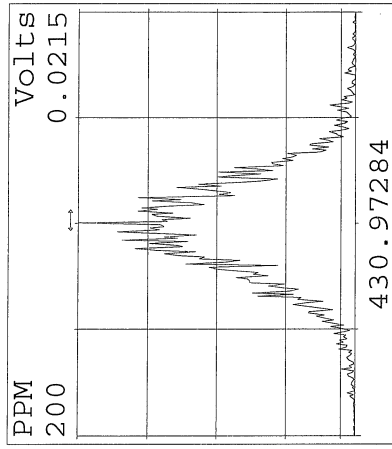
Peak Locate Examination:19-FEB-2016:11:12 File:M2160219A  
Experiment:1668A Function:5 Reference:PFK



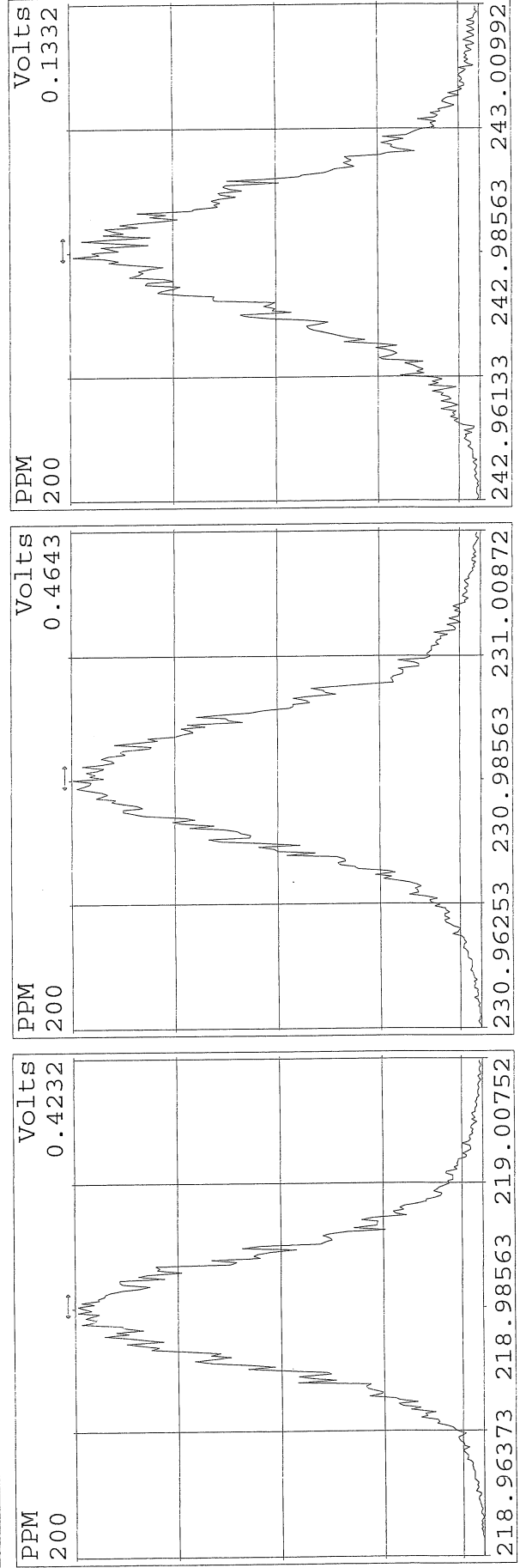
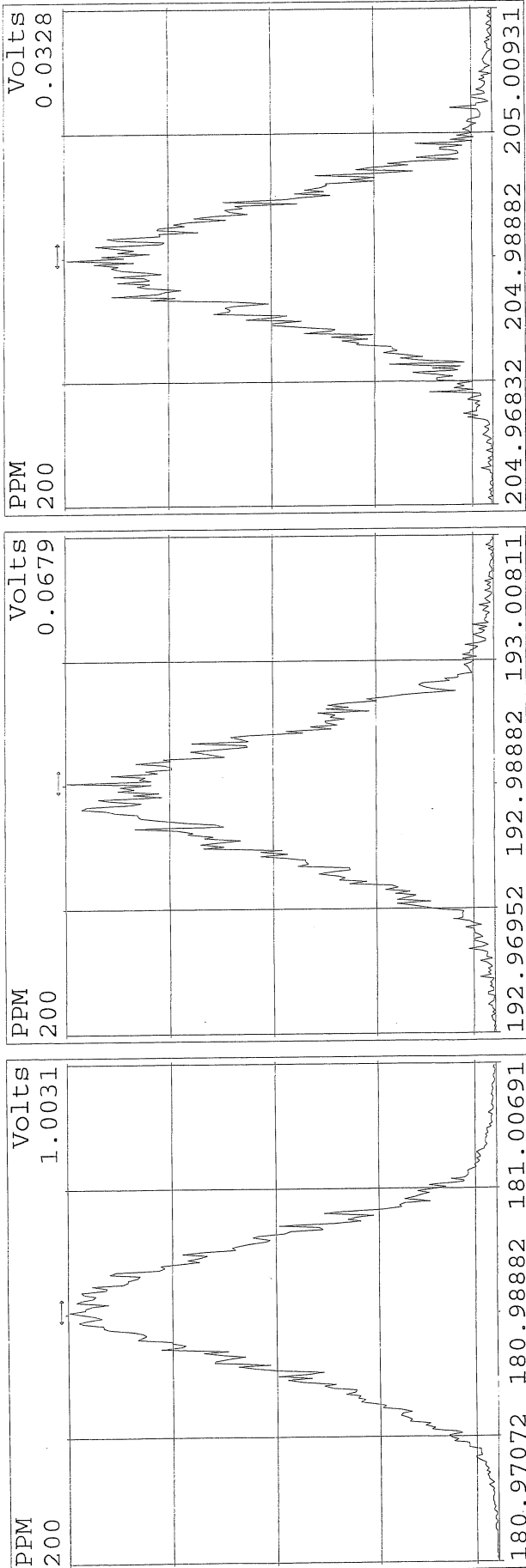
Peak Locate Examination:19-FEB-2016:11:12 File:M2160219A  
Experiment:1668A Function:6 Reference:PFK



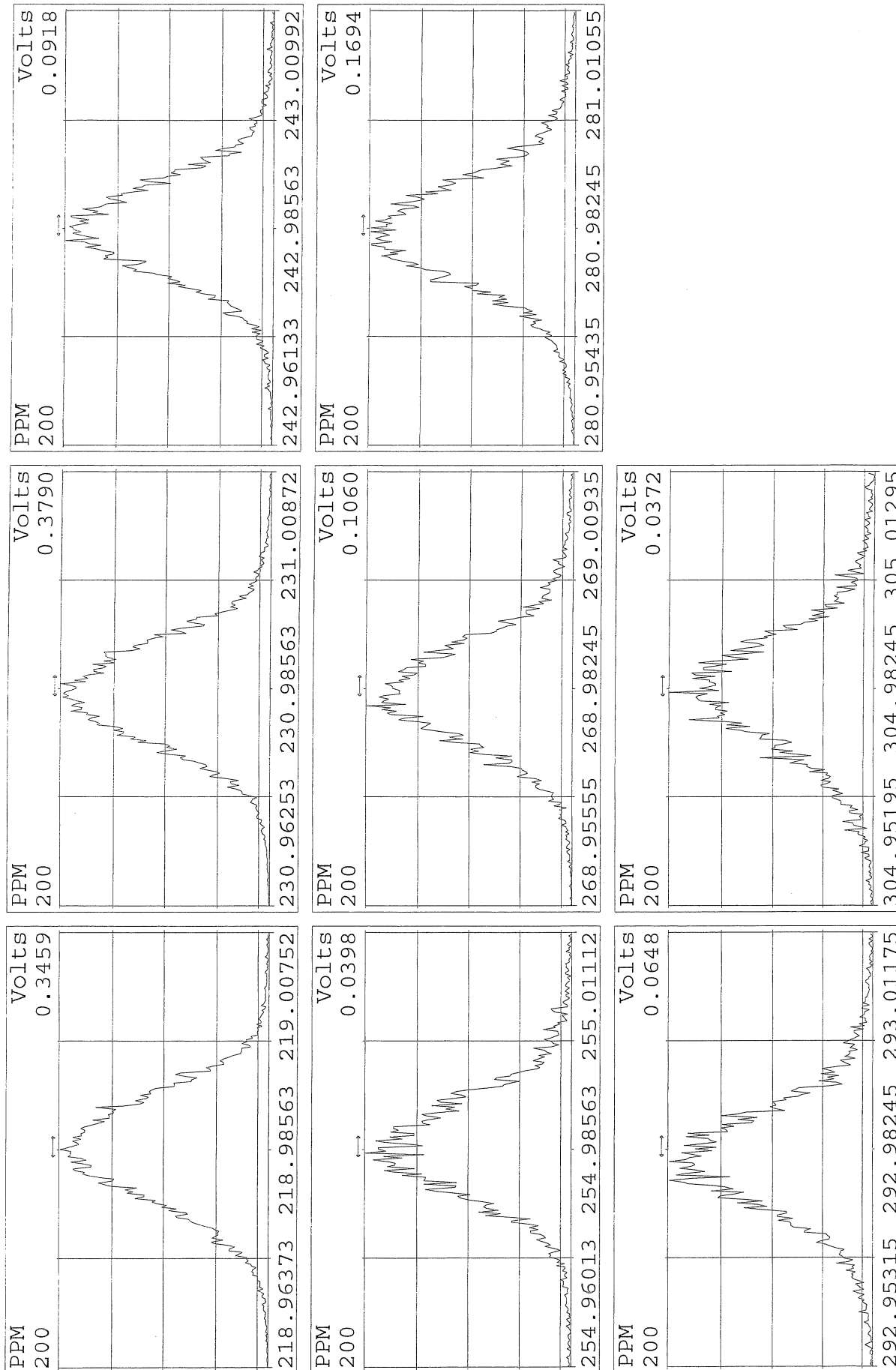
Peak Locate Examination:19-FEB-2016:11:13 File:M2160219A  
Experiment:1668A Function:7 Reference:PFK



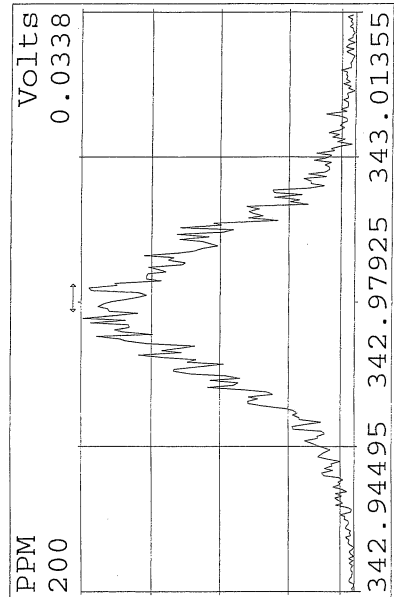
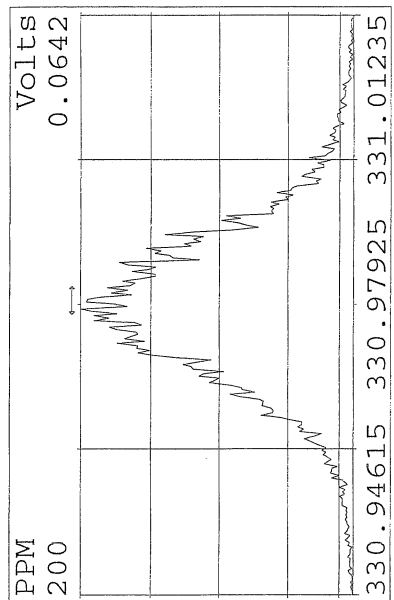
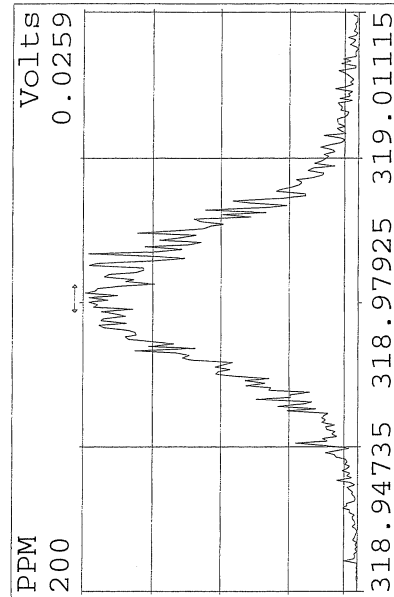
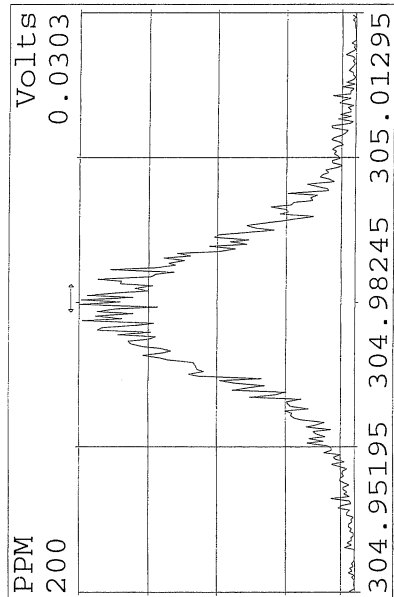
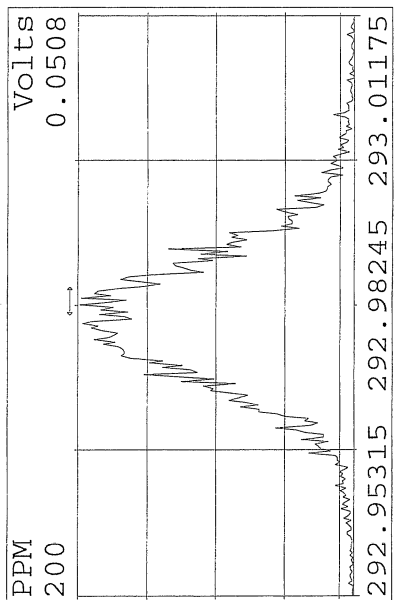
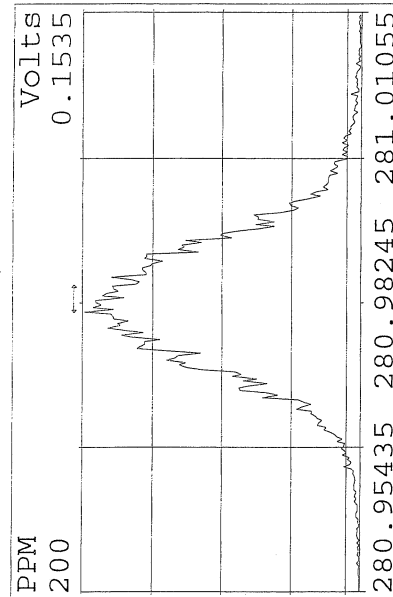
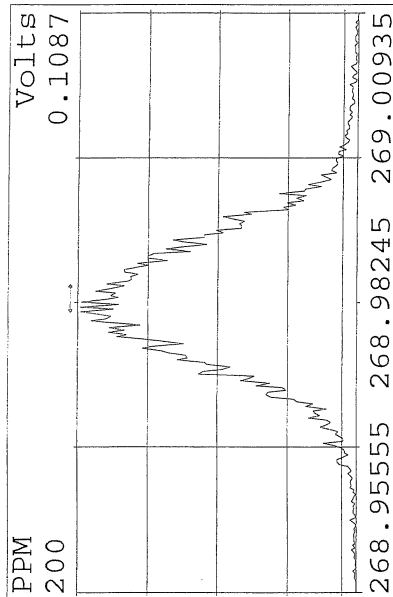
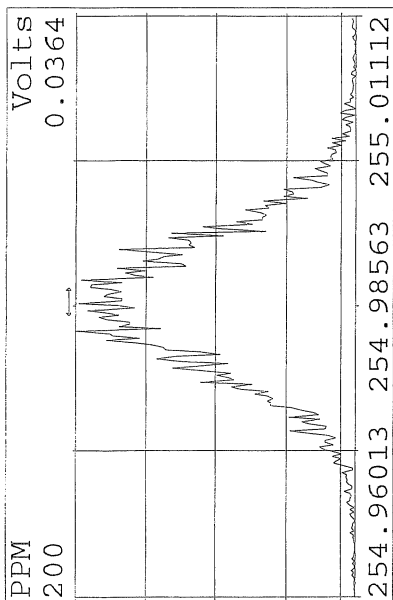
Peak Locate Examination:20-FEB-2016:09:20 File:M2160220  
Experiment:1668A Function:1 Reference:PFK



Peak Locate Examination: 20-FEB-2016:09:21 File: M2160220  
 Experiment: 1668A Function: 2 Reference: PFK

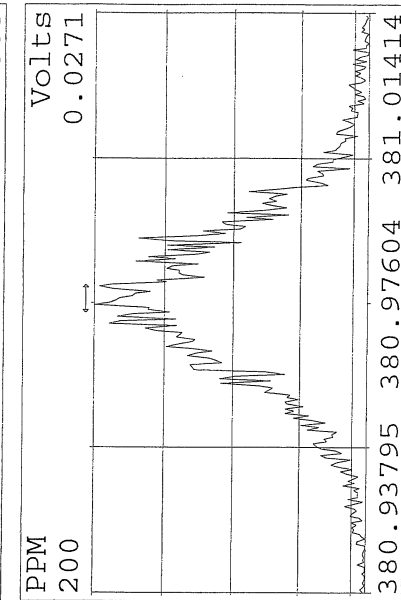
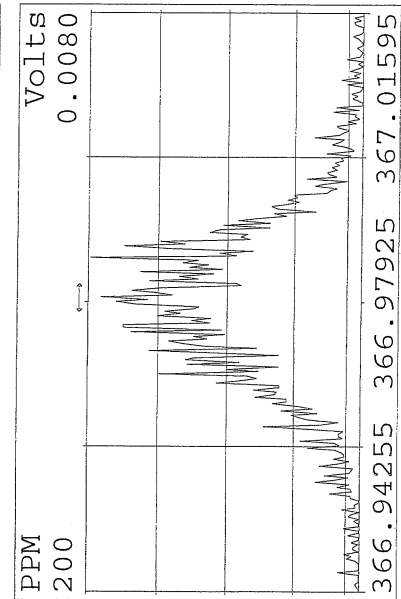
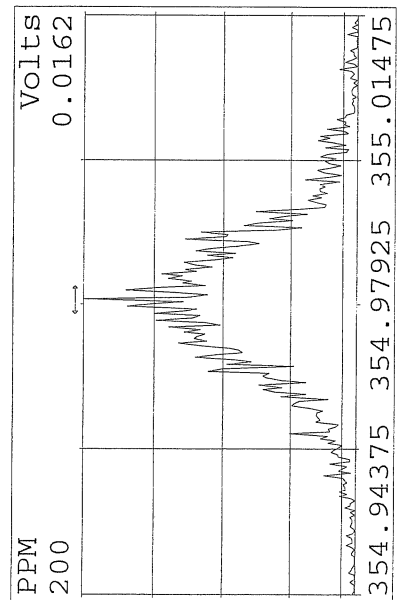
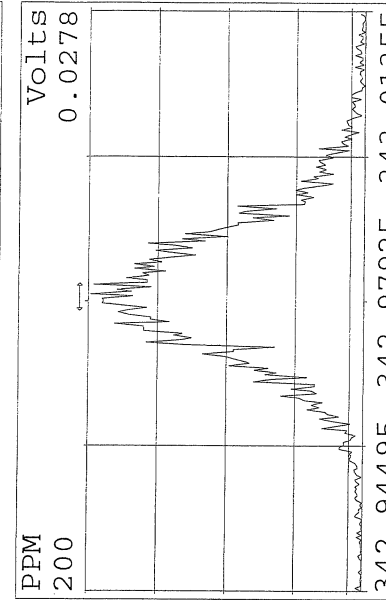
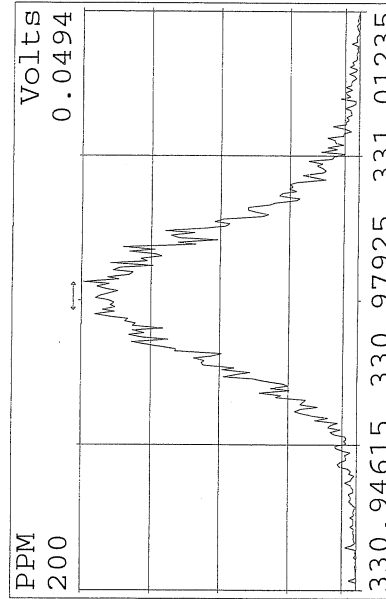
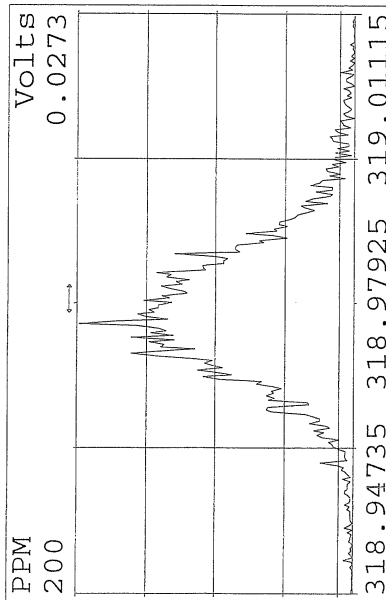
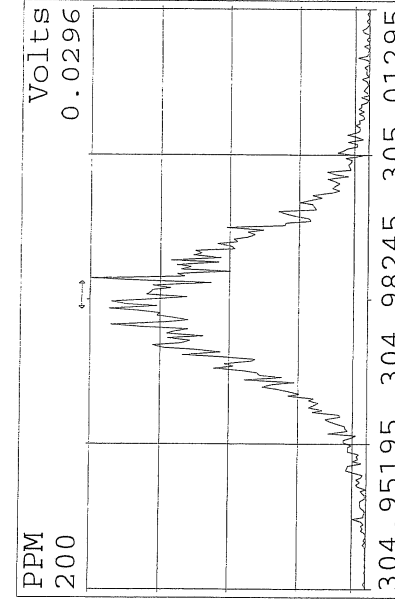
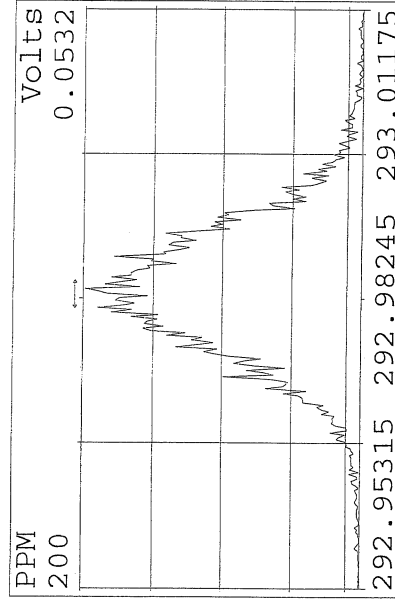
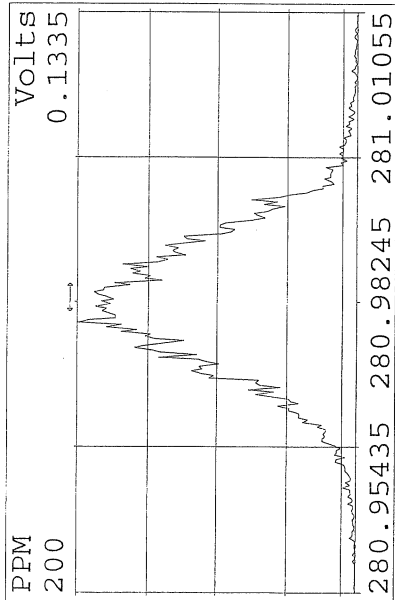


Peak Locate Examination:20-FEB-2016:09:22 File:M2160220  
 Experiment:1668A Function:3 Reference:PFK

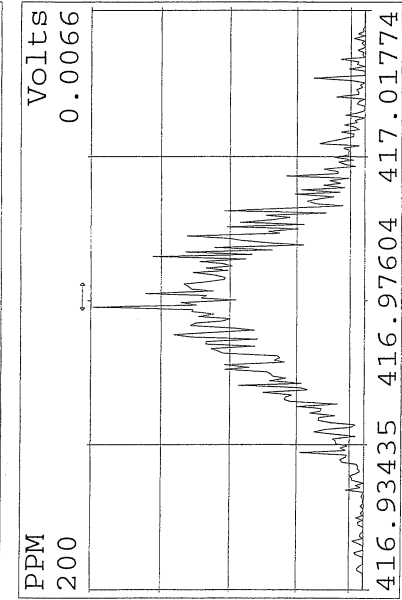
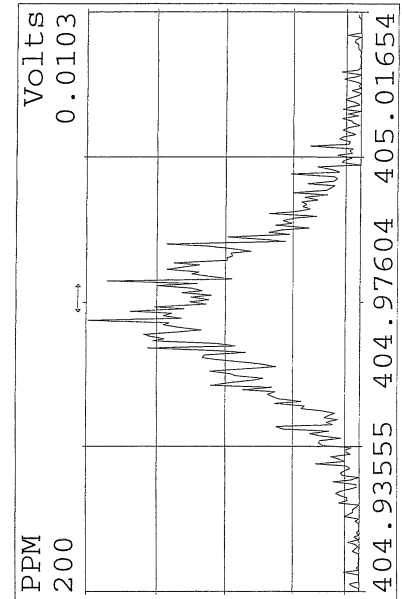
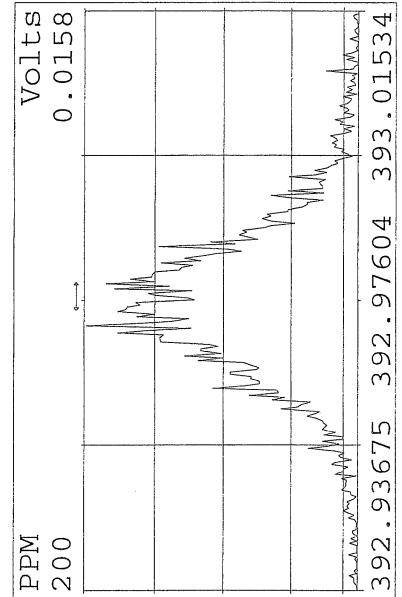
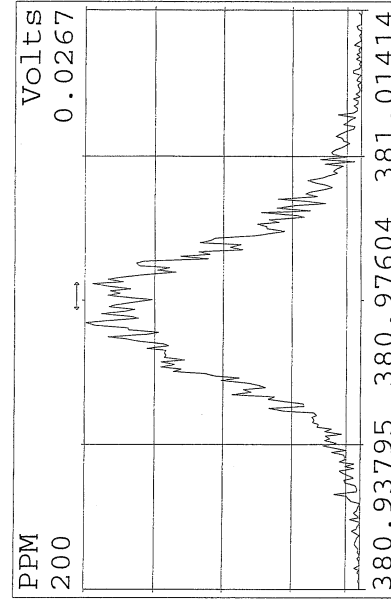
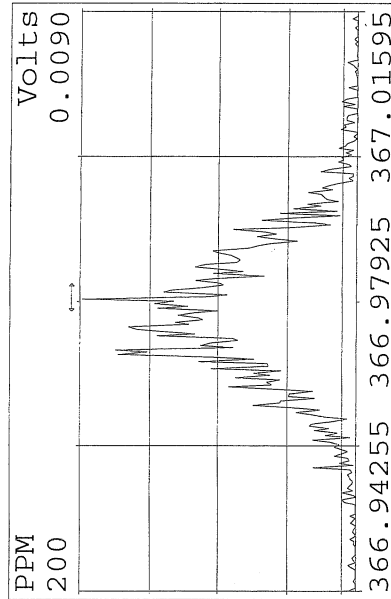
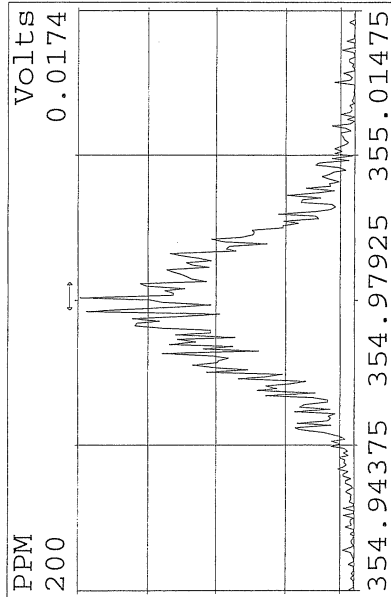
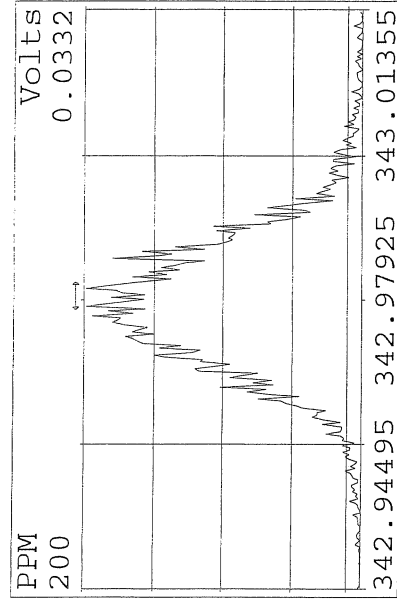
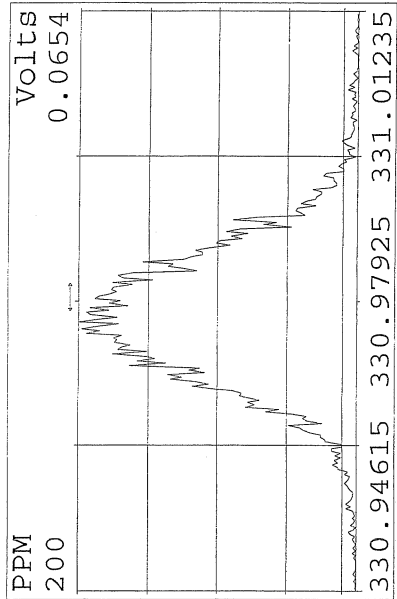
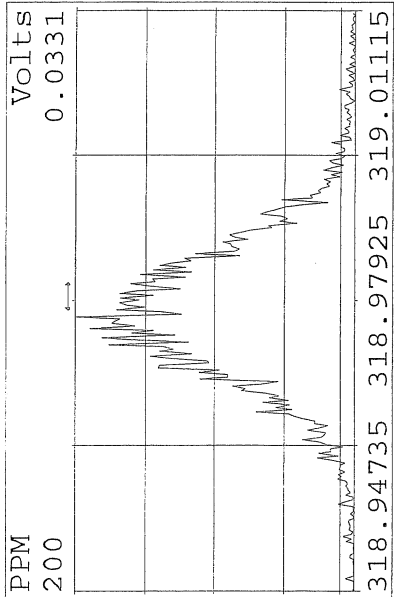




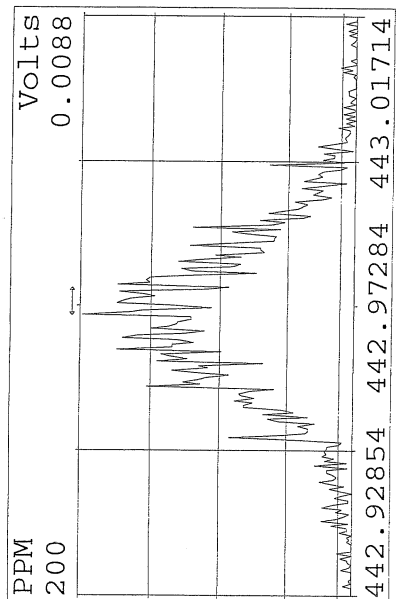
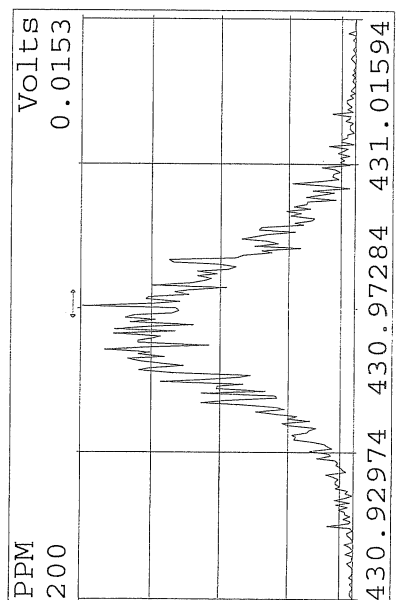
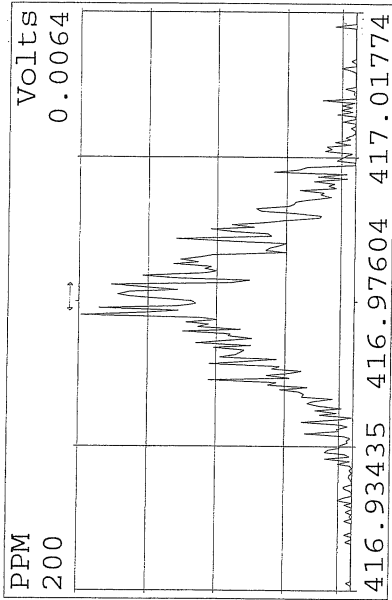
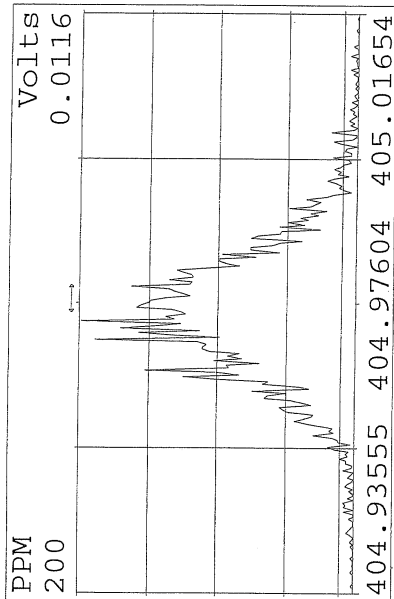
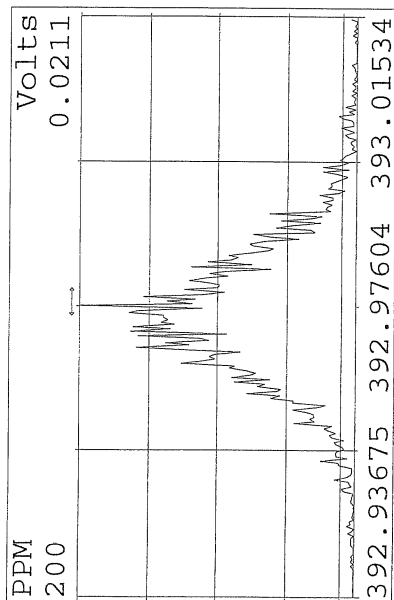
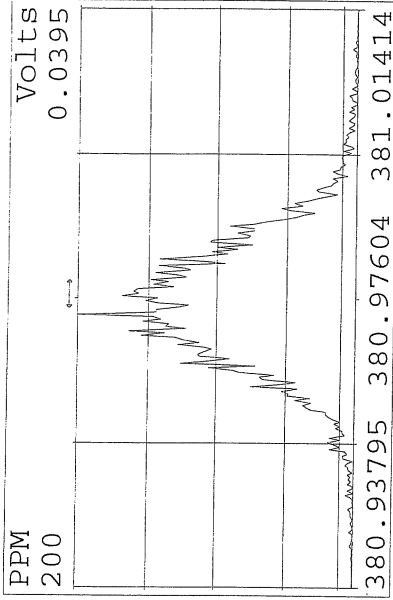
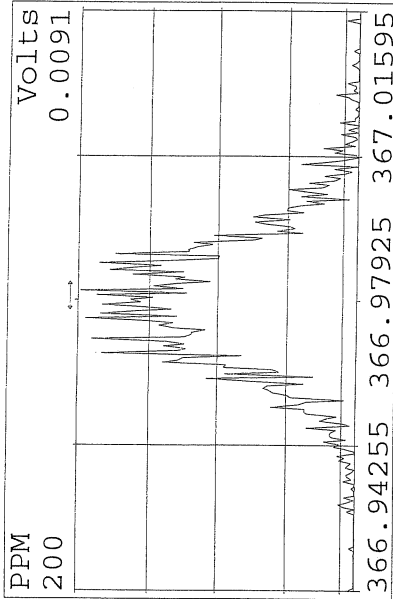
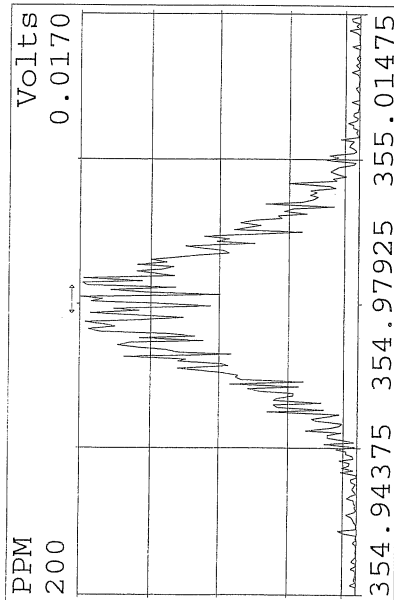
Peak Locate Examination:20-FEB-2016:09:22 File:M2160220  
Experiment:1668A Function:4 Reference:PFK



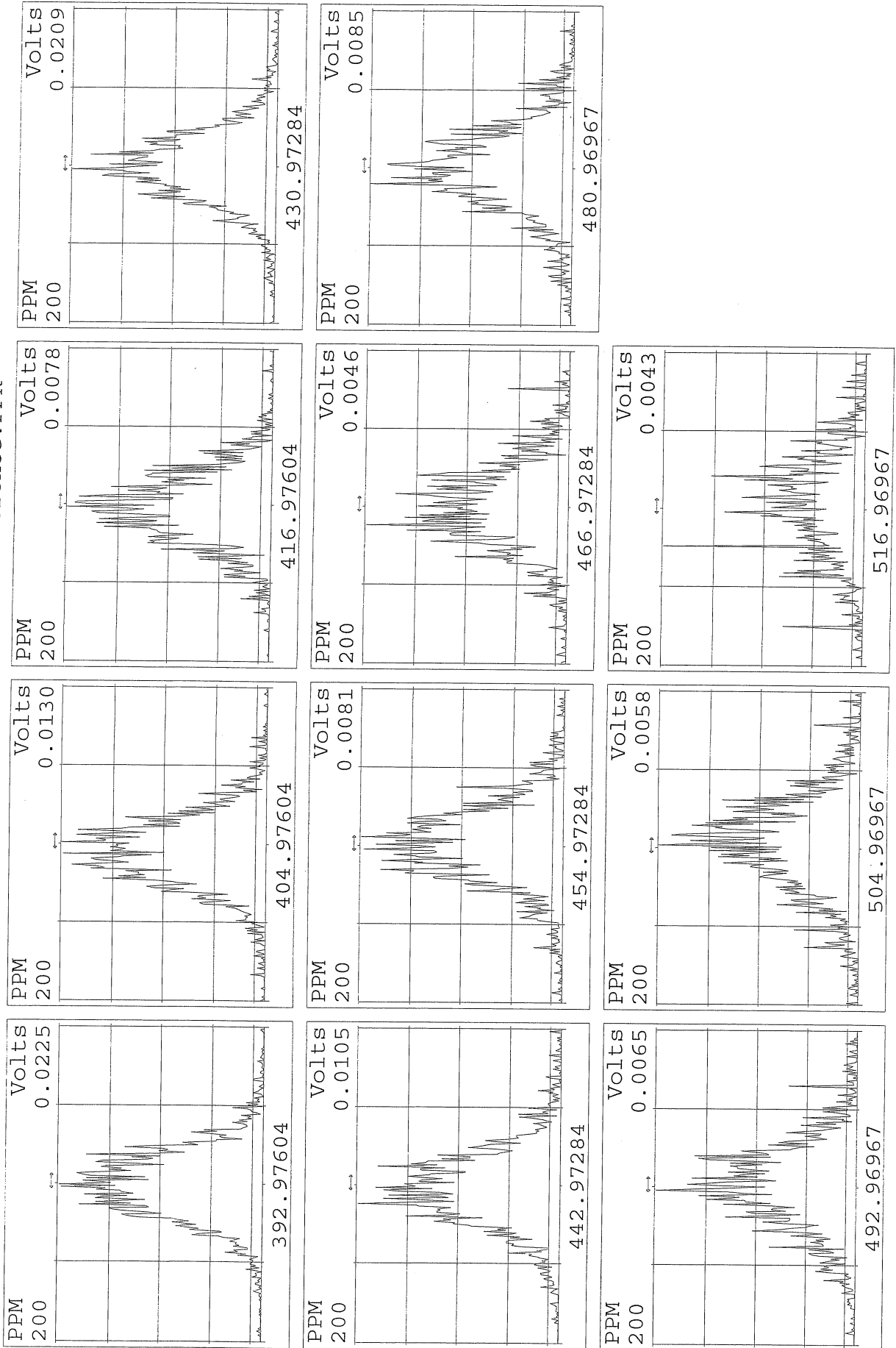
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Experiment:1668A Function:5 Reference:PFK



Peak Locate Examination:20-FEB-2016:09:24 File:M2160220  
Experiment:1668A Function:6 Reference:PFK



Peak Locate Examination:20-FEB-2016:09:24 File:M2160220  
Experiment:1668A Function:7 Reference:PFK





## **4.2 QA/QC Data**

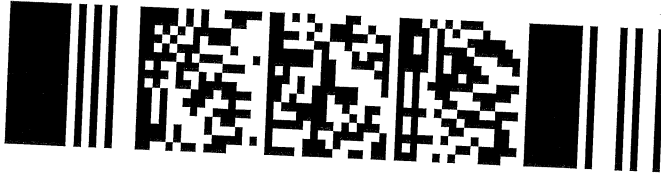
Maxxam Analytics International  
6740 Campobello Rd  
Mississauga, Ontario, Canada  
L5N 2L8  
1-800-668-0639  
[www.maxxamanalytics.com](http://www.maxxamanalytics.com)

M2160218D-PCB

File Name	File Text	Sample ID	Job	Wt/Vol
M2160211AS002	CS1_PCB 150417CXU	---	---	---
M2160211AS003	CS2_PCB 150417CXU	---	---	1.000000
M2160211AS004	CS3_PCB 150417CXU	---	---	1.000000
M2160211AS005	CS4_PCB 150417CXU	---	---	1.000000
M2160211AS006	CS5_PCB 150417CXU	---	---	1.000000
M2160211AS007	SOLVENT	---	---	1.000000
M2160211AS008	CIL CS3 PCB PR-22535L	---	---	1.000000
M2160211AS009	209MIX_PCB 150822CXU	---	---	1.000000
---	---	---	---	1.000000
---	---	---	---	0.000000
M2160218DS001	CS3_PCB 150417CXU	---	---	0.000000
M2160218DS002	209MIX_PCB 150822CXU	---	---	1.000000
M2160218DS003	SPIKE	---	---	1.000000
M2160218DS004	SPIKE:D1	WS#4386412/4378609, Ti	---	10.204400
M2160218DS005	SOLVENT	WS#4386412/4378609, Ti	---	10.148500
M2160218DS006	BLANK	---	---	1.000000
M2160218DS007	BRP508-01R	WS#4386412/4378609, Ti	---	10.271500
M2160218DS008	BRP509-01R	Anchor QEA, PG-SMA2-2-MUS-COC-16010, Ti	---	10.237800
M2160218DS009	BRP510-01R	Anchor QEA, PG-PJ-1-MUS-COC-160104, Ti	---	10.141900
M2160218DS010	BRP510-01R:D1	Anchor QEA, PG-WS-1-MUS-COC-160104, Ti	---	10.076300
M2160218DS011	BRP511-01R	Anchor QEA, PG-WS-1-MUS-COC-160104, Ti	---	10.172800
M2160218DS012	REF MAT	Anchor QEA, PG-GP-1-MUS-COC-160104, Ti	---	10.019100
M2160218DS013	SOLVENT BLANK	WS#4386412/4378609, Ti	---	7.884600
M2160218DS014	CS3_PCB 150417CXU	WS#4386412/4378609, Ti	---	1.000000
M2160218DS018	MSPIKE	---	---	1.000000
		WS#4386412/4378609, Ti	---	1.000000

WS# : 4386412

Page #: 1/2



Report Name : Worksheet - (Liquids and Solids)

Assignment Date : Thursday, February 18, 2016

Assigned to : Cathy Xu

Test Code : PCBCONHR-T

Instrument Id: 220-GCHRMS2

Test Description : To determine PCB congeners in tissue - full list of congeners (must specify whether to calculate on Lipid content).

Job Number	Sample Number	D	Sample ID	F	% Moisture	Wt or Vol	Final Vol	DF or AF	# Cont	Expiry Date	Test DeadLine	Criteria	Extract Date
	REF MAT		MHRPD										
	SPIKE	0	MHRPD										2016/02/11
	SPIKE	1	MHRPD										2016/02/11
	BLANK												2016/02/11
B612062	*BRP508-01R		PG-SMA2-2-MUS-*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP509-01R		PG-PJ-1-MUS-COC*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP510-01R	0	PG-WS-1-MUS-CO*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP510-01R	1	PG-WS-1-MUS-CO*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP511-01R		PG-GP-1-MUS-CO*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP512-01R		PG-SMA2-5-MUS-*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP513-01R		PG-SMA2-4-MUS-*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612077	*BRP572-01R		PG-T0-MUS-COC-*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B618913	BTC221-01R		FISH MEAL 5-3444*						1	2016/10/29	2016/02/23 23:00		2016/02/11
B622429	BUA897-01R		PCB CONGENERS*						1		2016/02/26 17:00		2016/02/11
									1		2016/02/28 18:00		2016/02/11

Remarks: \_\_\_\_\_

Samples extracted by: Sanjaykumar Patel

Instrumentation performed by: Cathy Xu

Calculations performed by: Amygd Hassan

Validated by: [Signature]

Date: 16/02/18

Date: 18-02-22

Date: 16/02/23

### Ultra Trace - Worksheet Validation Checklist

Prep Worksheet # 4378609 Instrument Worksheet # 4386412  
 Testcode: PREPPCB-T1 Testcode: PCB CONHR-T

#### Sample Preparation

		yes	no	n/a
1	Samples extracted within hold time			
2	Client sample ID verified against Lab ID	✓		
3	Job Remarks reviewed on 2nd page of worksheet & testcodes reviewed for spiking	✓		
4	Method required QC processed with samples	✓		
5	Sample, duplicate, matrix spike appear similar, initial sample as well as final extract	✓		
6	Sample weight or initial volume and extract final volume, aliquot factor clearly recorded.	✓		
7	If performed any additional dilution clearly recorded	✓		
8	Spiking solutions valid (haven't expired), ID and volume used clearly identified on worksheet	✓		
9	Spiking process witnessed and signed off	✓		
10	Sample prep deviations documented on Bench Level Deviation Form (CAM FCD-00328)	✓		
11	tracking sheets completed			✓

Prepared by: [Signature] Date: 2016/02/11

Comments: \_\_\_\_\_ Reviewed by: [Signature]  
2016/02/18

#### Primary review by the analyst - 100 % analysis review

		yes	no	n/a
1	System performance check acceptable (if applicable)	✓		
2	Analysis set-up meets method criteria	✓		
3	Tuning and correct calibration used - criteria meets method criteria	✓		
4	SQC/Control Charts updated, analysis in statistical/method control	✓		
5	Internal area counts checked (if applicable)	✓		
6	LCS, SRM are within acceptance criteria	✓		
7	Surrogate Recovery(s) is within acceptance criteria	✓		
8	Method Blank meets acceptance criteria	✓		
9	Matrix Spike recovery(s) meets acceptance criteria	✓		
10	Duplicate precision meets acceptance criteria	✓		
11	QC is documented on the run logs	✓		
12	Runs checked for carryover	✓		
13	Prep log / worksheet(s) are present, signed / dated by a prep / instrument analysts	✓		
14	Initial weights, splits, impinger volumes (where applicable) are documented	✓		
15	Samples above calibration range diluted and reanalyzed	✓		
16	Dilution factors (where justified) have been checked for correctness and entered	✓		
17	Analytical observations/anomalies documented in LIMS	✓		
18	If corrective actions were applied they are documented, initialed & dated	✓		
19	Transferred data is approved in LIMS for correctness	✓		
20	Sample Prep section (above) reviewed and verified.	✓		
21	Data package assembled (where required)	✓		

Data Approved by: [Signature] Date: 02-22-22

#### Secondary Supervisor/Qualified Data Review Staff

		yes	no	n/a
1	Repeats documented and referenced	✓		
2	Method and sample deviations noted, anomalies described (if applicable)	✓		
3	Data and QC validated in LIMS	✓		
4	Manual integration - before & after data with a reason included, initialed & dated	✓		
5	Random calculation checked	✓		
6	Worksheet(s) and sample prep sheets (FCDs) signed and dated	✓		
7	Data Package (if required) checked for completeness	✓		

Validatus Checked by: [Signature] Date: 16/02/23

Note: Primary and Secondary Internal Data Review Check must be performed by a different person



## HRMS Sample Information Transfer

Analyst: Saujan

Date: 2016/02/11

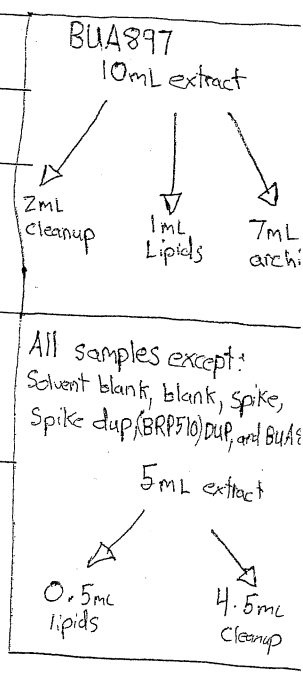
WS # 4378609

Extraction Status: \_\_\_\_\_

Roto-Vap Status: Done 2016/02/13 MH  
Filtered/Transferred 2016/02/13 MH

Cleanup Status: Lipids done, Started on GPC - MRZ 2016 02 13  
rotovaped after GPC 2016/02/14 MH

Acid Column Done 2016/02/14 MH  
- PCB column done, need to blow down. 2016/02/16 HR



Reacti-Vial: done 2016-02-18 Starts 2016/02/18

Completion Date: 2016/02/18

### HR Soil/Tissue/Food Tracking Sheet

Solvent	Lot No	Date & Time	Extraction by:-	WS#
MeCl <sub>2</sub>	157981	2016/02/11 4:30pm	SPT	4378609
Hexane	157979	2016/02/12 9 AM	MH, SPT	
Toluene				
n-Propyl Alcohol				
n-Butyl Alcohol				
Diethyl Ether				
Acetone				
Chloroform				
DCM				
Rotovape ID	6, 2, 1, 7	Spiking Witness by: <i>AD, 1, 68</i> 2016/02/11		

\*Note: If samples are cleaned up by FMS then attach the FMS FGD.

Solvent/Absorbent	Lot#/Lab ID	Solvent/Absorbent	Lot#/Lab ID	Solvent/Absorbent	Lot#/Lab ID
44% Acid Silica		4% DCM : Hexane		50% Toluene : Ethyl Acet	
33% KOH Silica		Alumina		50% DCM : Hexane	
10% AgNO <sub>3</sub>		50% DCM : Cyclohex.		Carbon/Celite	
Surrogate/Spike solutions					
EPA Mid 23 Internal Std Soln					
EPA Mid 23 Matrix Spiking Soln					
EPA Mid 1613 Internal Std. Soln					
EPA Mid 1613 Matrix Spiking Soln					
EPA Mid 1613 Alt. Spike (Clean-up)					
EPA Region IV (8290) Internal Std Soln					
EPA Region IV (8290) Mat. Spiking Soln					
PAHs					
Solvent/ Absorbent					
1% Deact. Alumina					
Surrogate/Spike solutions					
CARB 429 Internal Std Soln (PAH)					
CARB 429 Matrix Spiking Soln					

Solvent/ Absorbent	Lot#/Lab ID	Concentration	Prep. Date/Code	MTD SPK	Mx. Spk.	Samples
3% Deactivated Florisil	2016/02/02 07	5-10 ng/ul				
Surrogate/Spike solutions						
HR PCB Internal Std Soln						
HR PCB Matrix Spiking Soln						
HR PCB Alternate (Clean-up) Spike						

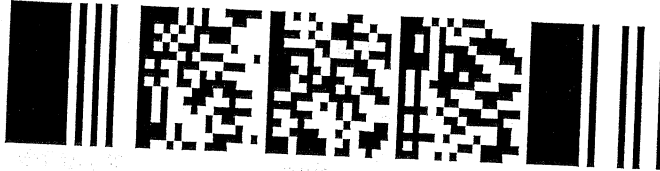
Solvent/ Absorbent	Lot#/Lab ID	Concentration	Prep. Date/Code	MTD SPK	Mx. Spk.	Samples
3% Deactivated Silica	2016-02-05 #2	0.4ng/ul	250409(CX40) 1/2 ✓			
Nonane		0.1ng/ul	150414 CX4 1/2 ✓			
Surrogate/Spike solutions						
HR PCB Internal Std Soln						
HR PCB Matrix Spiking Soln						
HR PCB Alternate (Clean-up) Spike						

Solvent/ Absorbent	Lot#/Lab ID	Concentration	Prep. Date/Code	MTD SPK	Mx. Spk.	Samples
Petroleum Ether						
Ethyl Acetate						
Surrogate/Spike solutions						
HR OC Internal Std Soln						
HR OC Matrix Spiking Soln						

Solvent/ Absorbent	Lot#/Lab ID	Concentration	Prep. Date/Code	MTD SPK	Mx. Spk.	Samples
1% Deactivated Florisil		4ng/ul				
20% Ethyl Acet. Petroleum Ether		5ng/ul				
Surrogate/Spike solutions						
HR OC Internal Std Soln						
HR OC Matrix Spiking Soln						

WS# : 4378609

Page #: 1/2



Report Name : Worksheet - (Liquids and Solids)

Assignment Date : Thursday, February 11, 2016

Assigned to : Sanjaykumar Patel

Test Code : PREPPCB-TI

Instrument Id:

Test Description : Preparation of tissue by 1668 for PCBs

Job Number	Sample Number	D	Sample ID	F	% Moisture	Wt or Vol	Final Vol	DF or AF	# Cont	Expiry Date	Test DeadLine	Criteria	Extract Date
	REF MAT		B 1974C		T40	7.8846	100ml					T40	2016/02/11
	SPIKE	0	BFM 737		T31	0.2044						T153	2016/02/11
	SPIKE	1	BFM 737		T67	0.1485						T174	2016/02/11
	BLANK		BFM 737		T59	0.2715						T15	2016/02/11
B612062	BRP508-01R		PG-SMA2-2-MUS-*		T151	0.2378			1	2017/01/03	2016/02/10 18:00	T186	2016/02/11
B612062	BRP509-01R		PG-PJ-1-MUS-COC*		T161	0.1419			1	2017/01/03	2016/02/10 18:00	T36	2016/02/11
B612062	BRP510-01R	0	PG-WS-1-MUS-CO*		T162	0.0763			1	2017/01/03	2016/02/10 18:00	T187	2016/02/11
B612062	BRP510-01R	1	PG-WS-1-MUS-CO*		T153	0.1728			1	2017/01/03	2016/02/10 18:00	T171	2016/02/11
B612062	BRP511-01R		PG-GP-1-MUS-CO*		T50	0.0191			1	2017/01/03	2016/02/10 18:00	T193	2016/02/11
B612062	BRP512-01R		PG-SMA2-5-MUS-*		T164	0.6344			1	2017/01/03	2016/02/10 18:00	T155	2016/02/11
B612062	BRP513-01R		PG-SMA2-4-MUS-*		T35	0.1339			1	2017/01/03	2016/02/10 18:00	B34	2016/02/11
B612077	BRP572-01R		PG-T0-MUS-COC-*		T9	0.0914			1	2016/10/29	2016/02/10 18:00	T198	2016/02/11
B618913	BTC221-01R		FISH MEAL 5-3444*		T36	0.2362			1		2016/02/22 17:00	T200	2016/02/11
B622429	BUA897-01R		PCB CONGENERS*		T150	0.3555		5	1		2016/02/21 18:00	T191	2016/02/11
	BLK		Nonyl solvent		T38			10X	1			T17	
	MS												

Remarks: 2016 02 13 BUA897 1/5 of sample extract used for cleanup MR2

Samples extracted by: Sanjaykumar Patel

Instrumentation performed by: \_\_\_\_\_

Calculations performed by: \_\_\_\_\_

Validated by: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Job No.	Rep	Client Name	Contact	Client Tier	National
GB612062	MDG Anchor QEA, LLC	Anchor QEA Reporting			
	PCBONHR-T ANCHOR QEA Project. ***Please extract SRM and Spike Dup*** 4 week TAT ANCHOR EQuis EDD. Please contact client before disposal of samples. Store any remaining mass frozen. Project #: ATS0				
GB612077	MDG Anchor QEA, LLC	Anchor QEA Reporting			
	PCBONHR-T Anchor QEA Project. ***Please extract SRM and Spike Dup*** 4 week TAT ANCHOR EQuis required. Please contact client prior to disposal. Store any remaining mass frozen. Project #: APR4				
FB618913	MDC Maxxam BRL PT Programs	Salima Haniff		Tier 4 (Enviro.)	
	Project #: BIPEA JANUARY 2016				
GB622429	MDC Maxxam BRL PT Programs	Salima Haniff		Tier 4 (Enviro.)	
	Please report data for DF8290-S and DF1613-S on separate final reports. Refer to the attached sample handling instructions before processing samples. Project #: LPTP16-S1				

*Shain*  
2016/02/11

Surrogates/Spikes	Method Spike	Spikes	Samples

Sample	Preparation Remarks

Sample	Instrumentation Remarks

# REPORTING PACKET

First Choice for Quality |

SIGMA-ALDRICH 

PCB CONGENERS IN FISH TISSUE - PT  
Sample Item Number SPE068TIS-30G

B 622429

## Description

The PT sample size provided is 30 g of biological fish matrix. Recommended storage condition is 4° C.

## Sample Preparation

Mix Prior to use. Recommended minimum sampling size is 1 gram. Analyze The sample using the preparatory and determinative method(s) for which you are seeking accreditation. Note: Sample extracts and calibration solutions should be in the same solvent. Report on a dry weight basis.





43 PCB 48	290	NotFnd	*	*	*	-0.00192		-0.00192	*	no	0.673	-
	TCB 292	15.84	*	no					*			
44 PCB 44/47/65	290	15.98	-1857.24	0.77	-4269.24	-0.00387	PCB 44/47/65 NDR	-0.00165	9	xL	0.783	-
	TCB 292	15.98	-2412	OK					8			
45 PCB 59/62/75	290	NotFnd	*	*	*	-0.00127		-0.00127	*	no	1.017	-
	TCB 292	16.16	*	no					*			
46 PCB 42	290	NotFnd	*	*	*	-0.0019		-0.0019	*	no	0.682	-
	TCB 292	16.29	*	no					*			
47 PCB 40/41/71	290	NotFnd	*	*	*	-0.00179		-0.00179	*	no	0.724	-
	TCB 292	16.58	*	no					*			
48 PCB 64	290	NotFnd	*	*	*	-0.0014		-0.0014	*	no	0.922	-
	TCB 292	16.71	*	no					*			
49 PCB 72	290	NotFnd	*	*	*	-0.00084		-0.00084	*	no	1.304	-
	TCB 292	17.19	*	no					*			
50 PCB 68	290	NotFnd	*	*	*	-0.0009		-0.0009	*	no	1.22	-
	TCB 292	17.40	*	no					*			
51 PCB 57	290	NotFnd	*	*	*	-0.0009		-0.0009	*	no	1.221	-
	TCB 292	17.68	*	no					*			
52 PCB 58	290	NotFnd	*	*	*	-0.00106		-0.00106	*	no	1.035	-
	TCB 292	17.83	*	no					*			
53 PCB 67	290	NotFnd	*	*	*	-0.00082		-0.00082	*	no	1.347	-
	TCB 292	17.94	*	no					*			
54 PCB 63	290	NotFnd	*	*	*	-0.00088		-0.00088	*	no	1.253	-
	TCB 292	18.13	*	no					*			
55 PCB 61/70/74/76	290	18.34	3641	0.81	8119	0.005187		-0.00099	10	no	1.109	-
	TCB 292	18.34	4478	yes					10			
56 PCB 66	290	18.57	2251	0.84	4921	0.002808		-0.00089	8	no	1.241	-
	TCB 292	18.58	2670	yes					9			
57 PCB 55	290	NotFnd	*	*	*	-0.0011		-0.0011	*	no	0.998	-
	TCB 292	18.71	*	no					*			
58 PCB 56	290	NotFnd	*	*	*	-0.0011		-0.0011	*	no	0.995	-
	TCB 292	19.05	*	no					*			
59 PCB 60	290	NotFnd	*	*	*	-0.00111		-0.00111	*	no	0.988	-
	TCB 292	19.22	*	no					*			
60 PCB 80	290	NotFnd	*	*	*	-0.0009		-0.0009	*	no	1.224	-
	TCB 292	19.48	*	no					*			
61 PCB 79	290	NotFnd	*	*	*	-0.00075		-0.00075	*	no	1.462	-
	TCB 292	20.61	*	no					*			
62 PCB 78	290	NotFnd	*	*	*	-0.00085		-0.00085	*	no	1.287	-
	TCB 292	21.06	*	no					*			
63 PCB 81	290	NotFnd	*	*	*	-0.00107		-0.00107	*	no	1.027	-
	TCB 292	21.43	*	no					*			
64 PCB 77	290	NotFnd	*	*	*	-0.00102		-0.00102	*	no	1.077	-
	TCB 292	21.87	*	no					*			
65 PCB 104	326	NotFnd	*	*	*	-0.00015		-0.00015	*	no	1.094	-
	PeCB 328	15.94	*	no					*			
66 PCB 96	326	NotFnd	*	*	*	-0.00018		-0.00018	*	no	0.874	-
	PeCB 328	16.16	*	no					*			
67 PCB 103	326	NotFnd	*	*	*	-0.00085		-0.00085	*	no	0.739	-
	PeCB 328	17.32	*	no					*			
68 PCB 94	326	NotFnd	*	*	*	-0.00117		-0.00117	*	no	0.54	-
	PeCB 328	17.47	*	no					*			
69 PCB 95	326	NotFnd	*	*	*	-0.00092		-0.00092	*	no	0.683	-
	PeCB 328	17.77	*	no					*			
70 PCB 100/93/102/98	326	NotFnd	*	*	*	-0.00102		-0.00102	*	no	0.619	-
	PeCB 328	17.93	*	no					*			
71 PCB 88/91	326	NotFnd	*	*	*	-0.00101		-0.00101	*	no	0.625	-
	PeCB 328	18.31	*	no					*			
72 PCB 84	326	NotFnd	*	*	*	-0.00118		-0.00118	*	no	0.534	-
	PeCB 328	18.50	*	no					*			
73 PCB 89	326	NotFnd	*	*	*	-0.00108		-0.00108	*	no	0.582	-
	PeCB 328	18.84	*	no					*			
74 PCB 121	326	NotFnd	*	*	*	-0.00083		-0.00083	*	no	0.761	-
	PeCB 328	19.08	*	no					*			
75 PCB 92	326	NotFnd	*	*	*	-0.00105		-0.00105	*	no	0.598	-
	PeCB 328	19.35	*	no					*			
76 PCB 113/90/101	326	19.78	3898	1.72	6158	0.005859		-0.00089	20	no	0.71	-
	PeCB 328	19.76	2260	yes					17			
77 PCB 83/99	326	20.23	2731	1.65	4382	0.004753		-0.00101	13	no	0.623	-
	PeCB 328	20.22	1652	yes					12			
78 PCB 112	326	NotFnd	*	*	*	-0.00077		-0.00077	*	no	0.819	-
	PeCB 328	20.33	*	no					*			
79 PCB 109/119/86/97/125/326	326	20.67	1325	1.7	2106	0.001959		-0.00087	3	no	0.726	-
	PeCB 328	20.62	780	yes					3			
80 PCB 117/116/85	326	21.17	830	1.67	1326	0.001126		-0.00079	4	yes	0.796	-
	PeCB 328	21.23	496	yes					4			
81 PCB 110/115	326	21.32	2297	1.6	3729	0.003362		-0.00084	10	yes	0.75	-
	PeCB 328	21.32	1432	yes					10			
82 PCB 82	326	NotFnd	*	*	*	-0.00112		-0.00112	*	no	0.564	-
	PeCB 328	21.59	*	no					*			
83 PCB 111	326	NotFnd	*	*	*	-0.00078		-0.00078	*	no	0.809	-
	PeCB 328	21.85	*	no					*			
84 PCB 120	326	NotFnd	*	*	*	-0.00066		-0.00066	*	no	0.951	-
	PeCB 328	22.24	*	no					*			
85 PCB 108/124	326	NotFnd	*	*	*	-0.00054		-0.00054	*	no	1.122	-
	PeCB 328	23.21	*	no					*			
86 PCB 107	326	23.40	1059	1.77	1657	0.000976		-0.00053	5	yes	1.147	-
	PeCB 328	23.40	597	yes					4			
87 PCB 123	326	NotFnd	*	*	*	-0.00068		-0.00068	*	no	0.894	-
	PeCB 328	23.51	*	no					*			
88 PCB 106	326	NotFnd	*	*	*	-0.0005		-0.0005	*	no	1.218	-
	PeCB 328	23.63	*	no					*			
89 PCB 118	326	23.79	7131	1.54	11748	0.007065		-0.00062	35	no	0.981	-
	PeCB 328	23.80	4617	yes					35			





137 PCB 183	394	NotFnd	*	*	*	-0.00105	-0.00105	*	no	1.162	-
138 PCB 185	HpCB 396	28.50	*	no	*	-0.00144	-0.00144	*	no	0.851	-
139 PCB 174	394	NotFnd	*	*	*	-0.00126	-0.00126	*	no	0.97	-
140 PCB 177	HpCB 396	28.72	*	no	*	-0.0013	-0.0013	*	no	0.943	-
141 PCB 181	394	NotFnd	*	*	*	-0.00137	-0.00137	*	no	0.892	-
142 PCB 171/173	HpCB 396	29.56	*	no	*	-0.00129	-0.00129	*	no	0.948	-
143 PCB 172	394	NotFnd	*	*	*	-0.00129	-0.00129	*	no	0.95	-
144 PCB 192	HpCB 396	31.42	*	no	*	-0.00113	-0.00113	*	no	1.085	-
145 PCB 193/180	394	32.11	2299	0.99	4622	0.003653	-0.00088	9	no	1.383	-
146 PCB 191	HpCB 396	32.06	2323	yes	*	-0.0009	-0.0009	*	no	1.352	-
147 PCB 170	394	NotFnd	*	*	*	-0.00096	-0.00096	*	no	1.271	-
148 PCB 190	HpCB 396	33.45	*	no	*	-0.00091	-0.00091	*	no	1.345	-
149 PCB 189	394	NotFnd	*	*	*	-0.00048	-0.00048	*	no	0.944	-
150 PCB 202	HpCB 396	36.88	*	no	*	-0.00167	-0.00167	*	no	0.988	-
151 PCB 201	OcCB 430	29.27	*	no	*	-0.00165	-0.00165	*	no	0.997	-
152 PCB 204	428	NotFnd	*	*	*	-0.00171	-0.00171	*	no	0.962	-
153 PCB 197	OcCB 430	30.88	*	no	*	-0.00188	-0.00188	*	no	0.876	-
154 PCB 200	428	NotFnd	*	*	*	-0.00164	-0.00164	*	no	1.006	-
155 PCB 198/199	OcCB 430	31.24	*	no	*	-0.00252	-0.00252	*	no	0.654	-
156 PCB 196	428	NotFnd	*	*	*	-0.00244	-0.00244	*	no	0.674	-
157 PCB 203	OcCB 430	34.92	*	no	*	-0.0025	-0.0025	*	no	0.659	-
158 PCB 195	428	NotFnd	*	*	*	-0.00153	-0.00153	*	no	1.005	-
159 PCB 194	OcCB 430	36.59	*	no	*	-0.00141	-0.00141	*	no	1.091	-
160 PCB 205	428	NotFnd	*	*	*	-0.00141	-0.00141	*	no	1.091	-
161 PCB 208	OcCB 430	39.77	*	no	*	-0.00142	-0.00142	*	no	1.023	-
162 PCB 207	462	NotFnd	*	*	*	-0.0011	-0.0011	*	no	1.32	-
163 PCB 206	NoCB 464	36.33	*	no	*	-0.00141	-0.00141	*	no	1.027	-
164 PCB 209	462	NotFnd	*	*	*	-0.00038	-0.00038	375	no	1.04	-
165 PCB 1L	NoCB 464	41.70	*	no	*	0	0	363	no	0.824	62
166 PCB 3L	DCB 500	43.54	15931	yes	35507	0.058068	0	4365	no	0.852	57
167 PCB 4L	200	8.98	178080	3.56	228160	0.121609	0	317	no	0.543	45
168 PCB 15L	202	8.97	50080	yes	215197	0.110855	0	4215	no	1.074	77
169 PCB 19L	200	10.17	167307	3.49	107954	0.087353	0	310	no	0.578	52
170 PCB 37L	202	10.16	47890	yes	133357	0.101263	0	4001	no	1.987	99
171 PCB 54L	234	10.28	66621	1.61	146518	0.107403	0	4660	no	1.297	55
172 PCB 81L	236	10.28	41333	yes	345683	0.18916	0	3102	no	1.738	97
173 PCB 77L	234	12.93	226623	1.61	332448	0.188514	0	2193	no	1.677	97
174 PCB 104L	268	11.68	69481	1.09	154318	0.144089	0	3102	no	1.156	74
175 PCB 123L	270	11.65	63875	yes	333905	0.18612	0	471	no	1.936	96
176 PCB 118L	268	16.68	205152	1.04	329870	0.186771	0	4029	no	1.906	96
177 PCB 114L	270	16.67	197537	yes	303954	0.185005	0	3896	no	1.773	95
178 PCB 105L	302	13.06	65427	0.81	154318	0.144089	0	1664	no	1.156	74
179 PCB 126L	304	13.06	81091	yes	146518	0.107403	0	4029	no	1.936	96
180 PCB 155L	302	21.41	154578	0.81	345683	0.18916	0	3102	no	1.074	77
181 PCB 167L	304	21.39	191104	yes	332448	0.188514	0	1011	no	1.677	97
182 PCB 156L/157L	304	21.82	184221	yes	332448	0.188514	0	1011	no	1.677	97
183 PCB 169L	338	15.92	96523	1.67	154318	0.144089	0	1664	no	1.156	74
	340	15.93	57796	yes	333905	0.18612	0	3896	no	1.936	96
	338	23.49	206059	1.61	329870	0.186771	0	4029	no	1.906	96
	340	23.50	127846	yes	303954	0.185005	0	3142	no	1.773	95
	338	23.77	202836	1.6	154318	0.144089	0	1664	no	1.156	74
	340	23.76	127034	yes	329870	0.186771	0	4029	no	1.936	96
	338	24.25	188980	1.64	303954	0.185005	0	3142	no	1.773	95
	340	24.25	114974	yes	154318	0.144089	0	1664	no	1.156	74
	338	24.81	194896	1.58	333905	0.18612	0	3896	no	1.936	96
	340	24.81	123540	yes	329870	0.186771	0	4029	no	1.906	96
	338	27.69	187490	1.65	303954	0.185005	0	3142	no	1.773	95
	340	27.67	113328	yes	154318	0.144089	0	1664	no	1.156	74
	372	19.61	95797	1.28	333905	0.18612	0	3896	no	1.936	96
	374	19.61	74601	yes	329870	0.186771	0	4029	no	1.906	96
	372	29.50	190184	1.28	303954	0.185005	0	3142	no	1.773	95
	374	29.49	148460	yes	154318	0.144089	0	1664	no	1.156	74
	372	30.68	360159	1.28	333905	0.18612	0	3896	no	1.936	96
	374	30.69	281920	yes	329870	0.186771	0	4029	no	1.906	96
	372	34.08	129622	1.29	303954	0.185005	0	3142	no	1.773	95
	374	34.06	100437	yes	154318	0.144089	0	1664	no	1.156	74

184 PCB 188L	406	24.20	94103	1.1	179809	0.146379						
	408	24.21	85706	yes			0	2943	no	1.329	75	
185 PCB 180L	406	32.09	92702	1.09	178177	0.145182		3967				
	408	32.09	85474	yes			0	3665	no	1.349	75	
186 PCB 170L	406	33.42	82257	1.07	159479	0.148493		1545				
	408	33.42	77223	yes			0	3196	no	1.18	76	
187 PCB 189L	406	36.84	181937	1.06	353614	0.180117		1353				
	408	36.83	171678	yes			0	4461	no	2.157	93	
188 PCB 202L	440	29.25	79144	0.92	165376	0.128022		3635				
	442	29.27	86232	yes			0	4017	no	1.419	66	
189 PCB 205L	440	39.73	115053	0.92	240112	0.172299		2642				
	442	39.73	125058	yes			0	1958	no	1.531	88	
190 PCB 208L	474	36.29	67131	0.78	153240	0.147781		3178				
	476	36.28	86109	yes			0	2204	no	1.139	76	
191 PCB 206L	474	41.70	49481	0.76	114593	0.16578		3903				
	476	41.73	65112	yes			0	1535	no	0.76	85	
192 PCB 209L	510	43.54	62890	1.22	114498	0.173699		2879				
	512	43.53	51607	yes			0	3428	no	0.724	89	
193 PCB 28L	268	14.41	235953	1.06	459457	0.214256		3965				
PCB Cleanup Standard	270	14.41	223504	yes			0.001	846	no	2.039	110	
194 PCB 111L	338	21.83	145797	1.62	235824	0.18947		1040				
PCB Cleanup Standard	340	21.84	90027	yes			0	3417	no	1.343	97	
195 PCB 178L	406	26.98	62268	1.07	120508	0.177941		3757				
PCB Cleanup Standard	408	26.97	58240	yes			0	1868	no	0.733	91	
196 PCB 31L	268	NotFnd	*	*	*			2564				
PCB Audit Standard	270	14.24	*	no			0.001		no	1.934		
197 PCB 95L	338	NotFnd	*	*	*							
PCB Audit Standard	340	17.73	*	no			0		no	0.946		
198 PCB 153L	372	NotFnd	*	*	*							
PCB Audit Standard	374	25.40	*	no			0		no	1.225		
199 PCB 9L	234	11.17	1365916	1.6	2217298	11.08019						
PCB Recovery Standard	236	11.19	851382	yes			-	14339	no	-	-	
200 PCB 52L	302	15.35	457406	0.81	1023762	7.907168		20734				
PCB Recovery Standard	304	15.36	566356	yes			-	8832	no	-	-	
201 PCB 101L	338	19.77	557943	1.62	902250	8.008587		14985				
PCB Recovery Standard	340	19.76	344308	yes			-	13708	no	-	-	
202 PCB 138L	372	26.57	508063	1.3	899602	8.14677		15273				
PCB Recovery Standard	374	26.56	391539	yes			-	13423	no	-	-	
203 PCB 194L	440	39.18	427437	0.93	886006	7.989509		15696				
PCB Recovery Standard	442	39.17	458568	yes			-	7137	no	-	-	
								11517				
Chlorobiphenyls												
Dichlorobiphenyls								-0.00061	0			
Trichlorobiphenyls								0.009181	1			
Tetrachlorobiphenyls								0.01379	6			
Pentachlorobiphenyls								0.011613	4			
Hexachlorobiphenyls								-0.00251	4			
Heptachlorobiphenyls								0.018247	8			
Octachlorobiphenyls								-0.00118	4			
Nonachlorobiphenyls								-0.00273	2			
Decachlorobiphenyl								-0.00156	0			
PCB (total)								-0.00252	0			
								-0.00142	0			
								0.058068	1			
								-0.00038	1			

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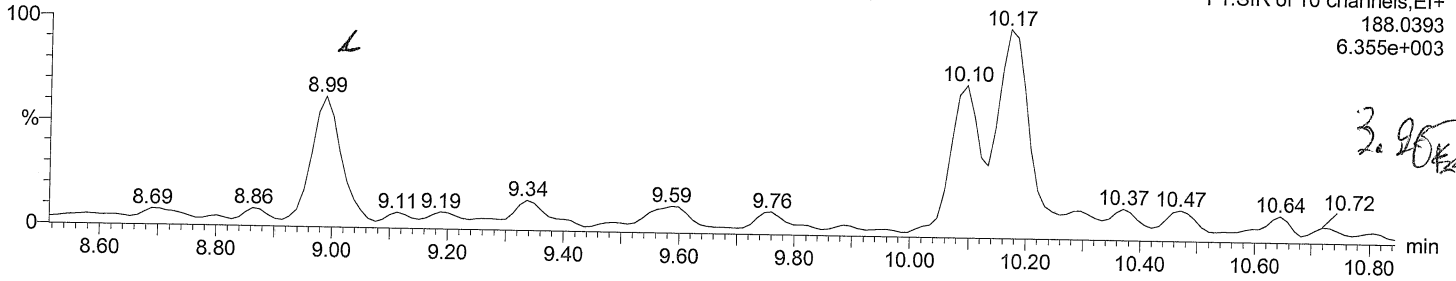
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Printed: February 20, 2016 09:27:56 AM Eastern Standard Time

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ID: WS#4386412/4378609, Ti  
Description: BLANK  
Vial: 6  
Date: 18-FEB-2016  
Time: 22:38:24

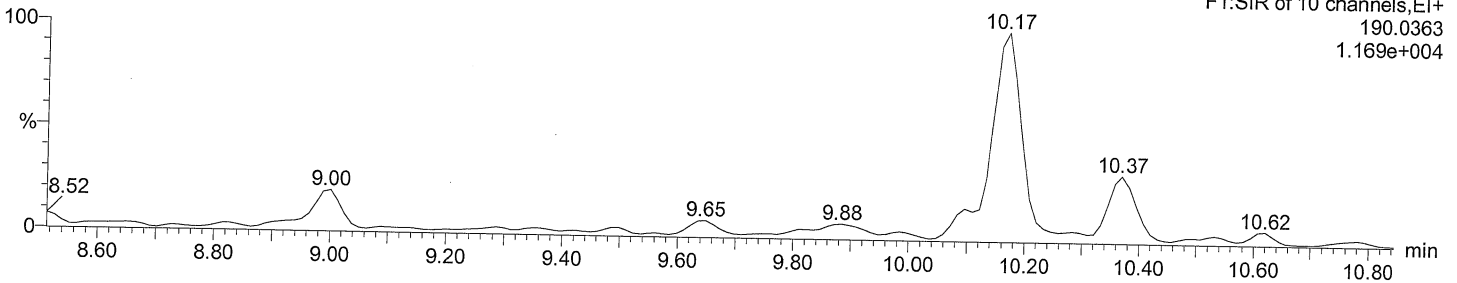
Total MoCB F1

M2160218DS006 Smooth(SG,3x1)



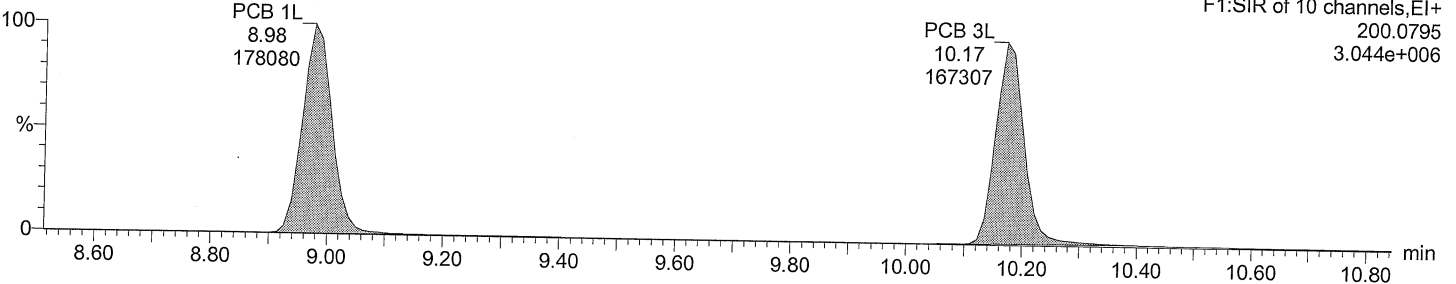
Total MoCB F1

M2160218DS006 Smooth(SG,3x1)



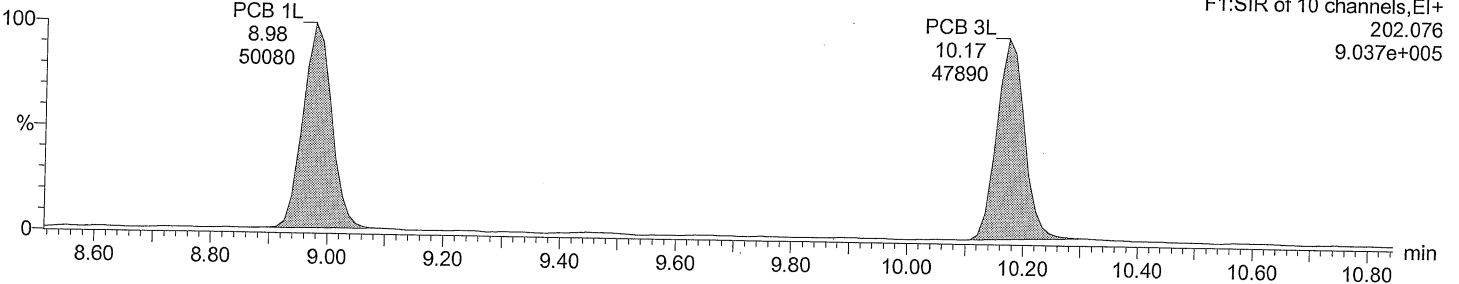
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M2160218DS006 Smooth(SG,3x1)



Total MoCB labeled F1

M2160218DS006 Smooth(SG,3x1)



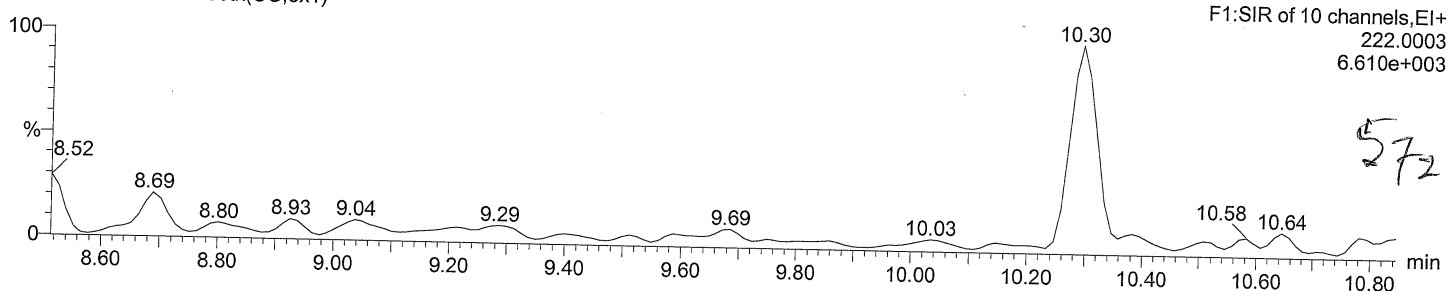
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Printed: February 20, 2016 09:27:56 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: BLANK  
Vial: 6  
Date: 18-FEB-2016  
Time: 22:38:24

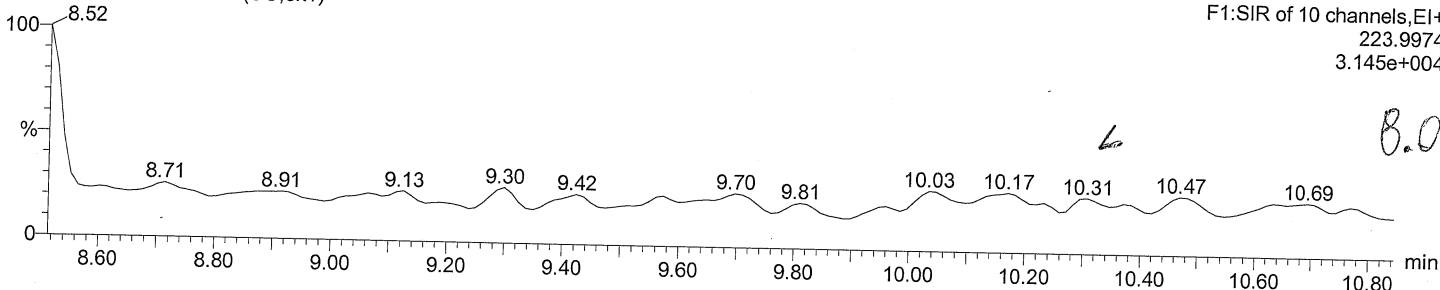
Total DiCB F1

M2160218DS006 Smooth(SG,3x1)



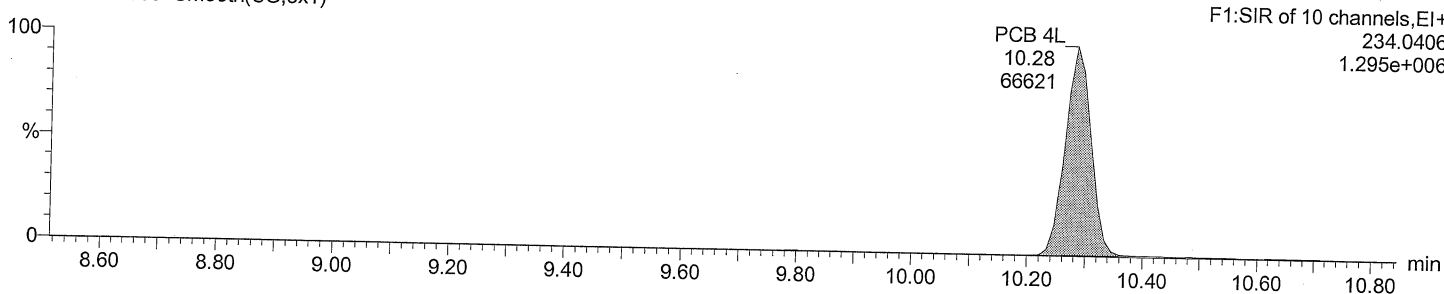
Total DiCB F1

M2160218DS006 Smooth(SG,3x1)



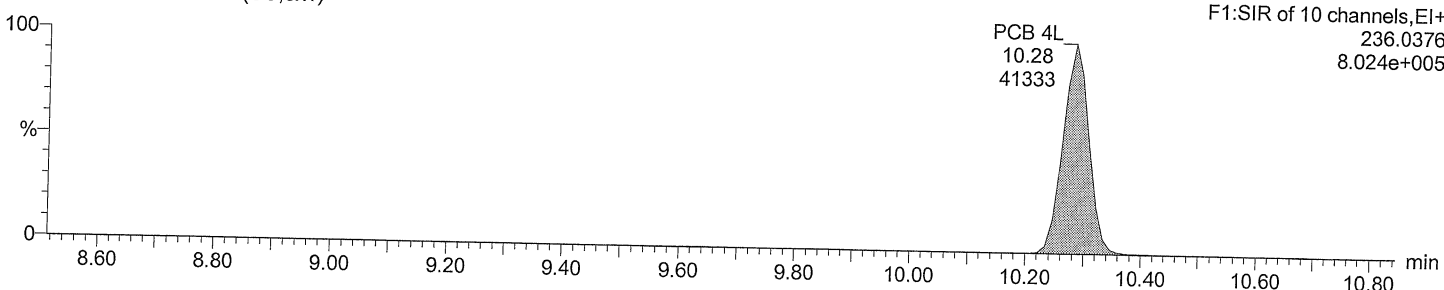
Total DiCB labeled F1

M2160218DS006 Smooth(SG,3x1)



Total DiCB labeled F1

M2160218DS006 Smooth(SG,3x1)



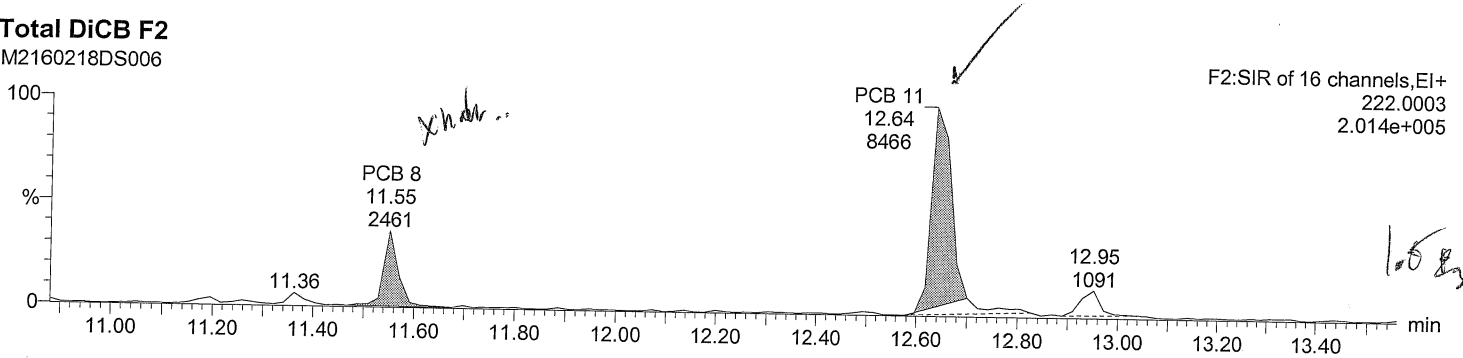
Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

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Printed: February 20, 2016 09:27:56 AM Eastern Standard Time

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Vial: 6  
Date: 18-FEB-2016  
Time: 22:38:24

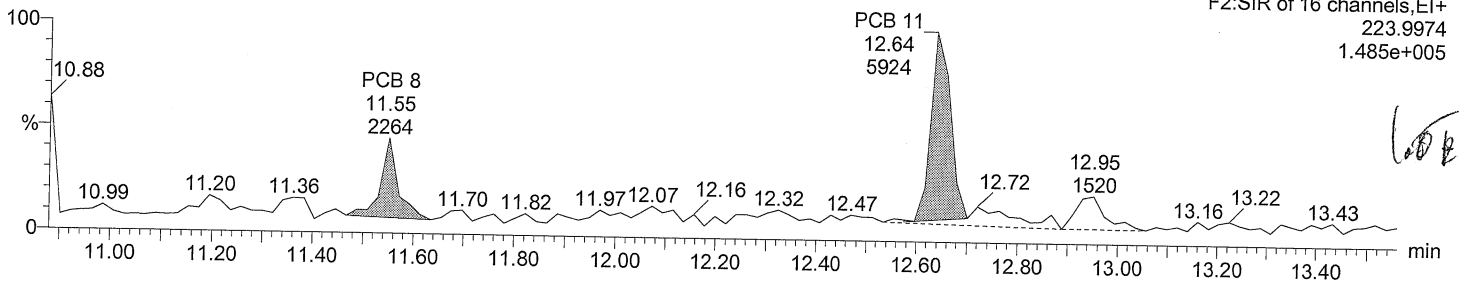
Total DiCB F2

M2160218DS006



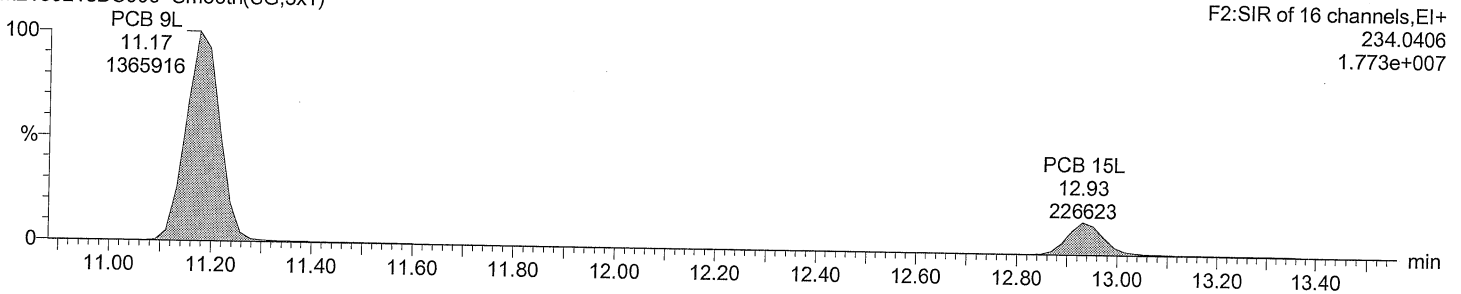
Total DiCB F2

M2160218DS006



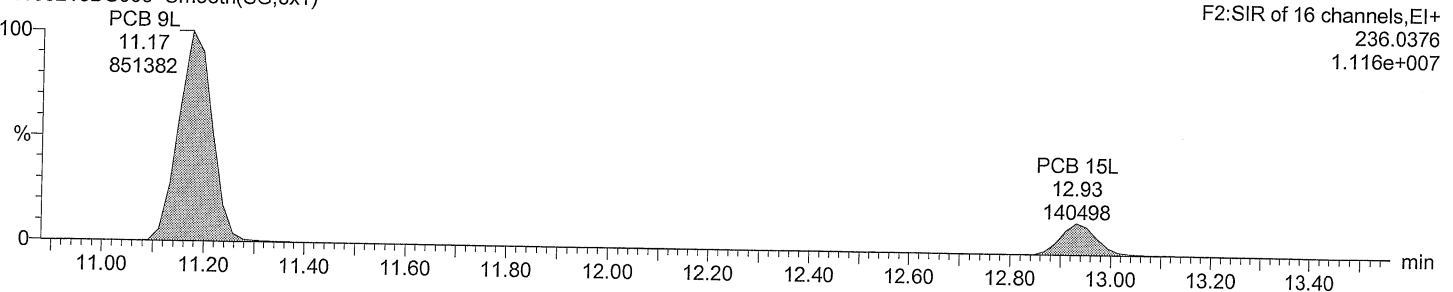
Total DiCB labeled F2

M2160218DS006 Smooth(SG,3x1)



Total DiCB labeled F2

M2160218DS006 Smooth(SG,3x1)

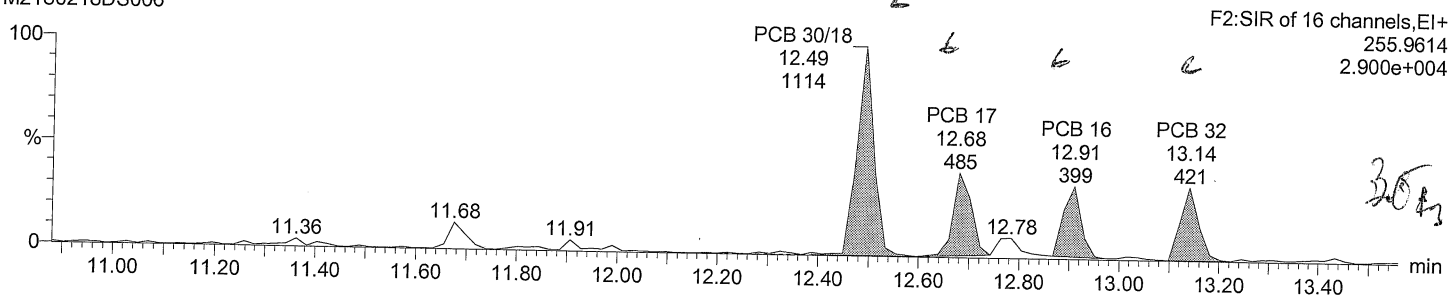


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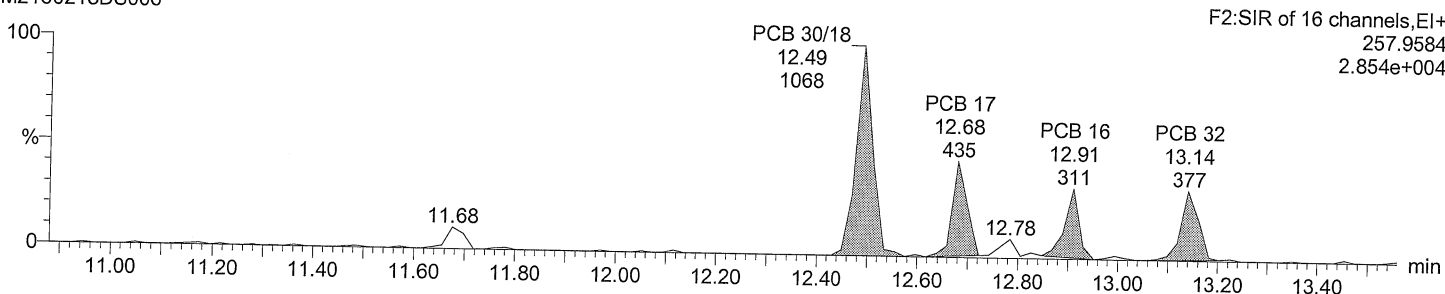
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Date: 18-FEB-2016  
Time: 22:38:24

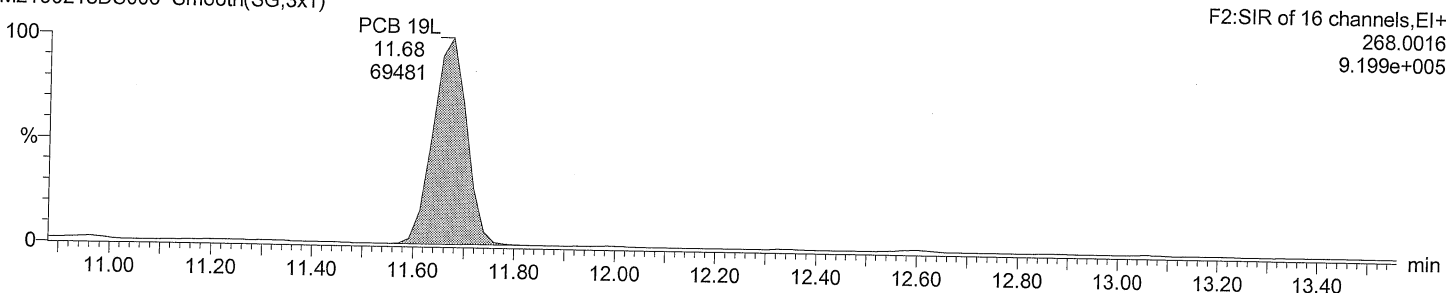
Total TriCB F2  
M2160218DS006



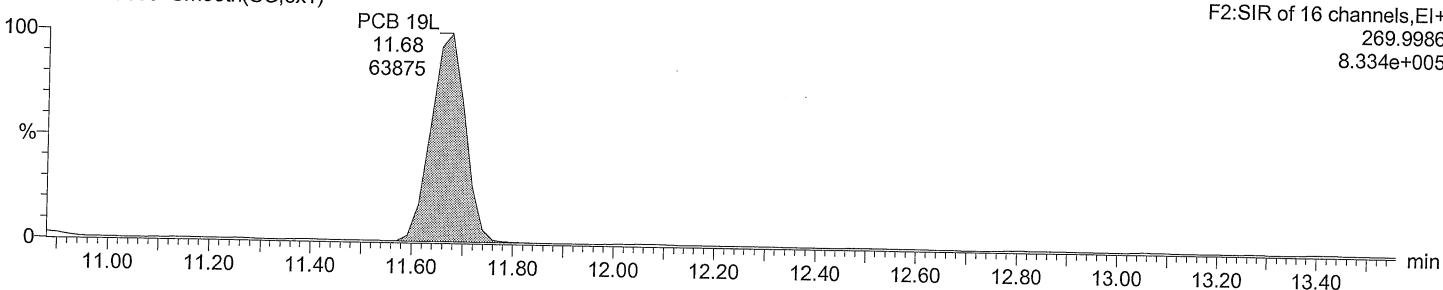
Total TriCB F2  
M2160218DS006



Total TriCB labeled F2  
M2160218DS006 Smooth(SG,3x1)



Total TriCB labeled F2  
M2160218DS006 Smooth(SG,3x1)



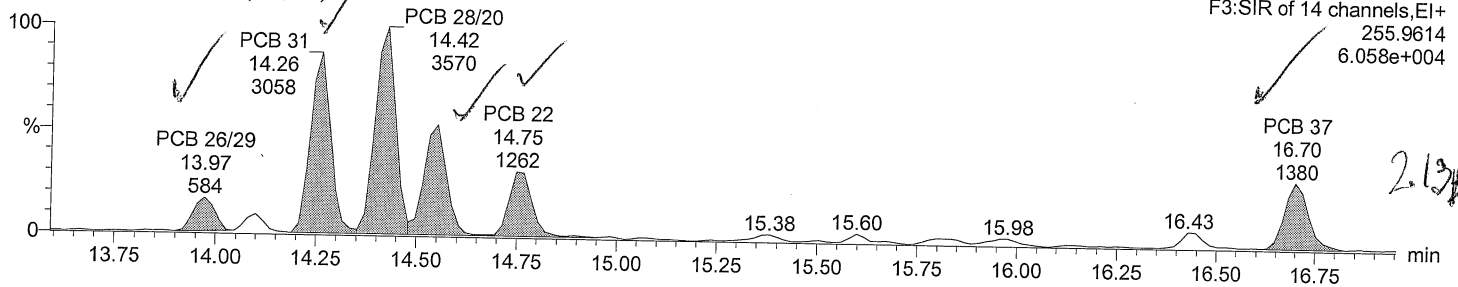
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ID: WS#4386412/4378609, Ti  
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Date: 18-FEB-2016  
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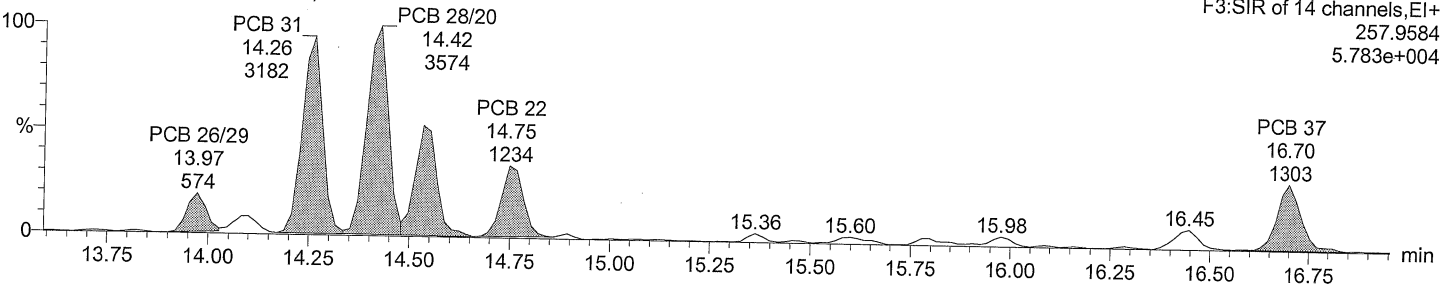
**Total TriCB F3**

M2160218DS006 Smooth(SG,1x1)



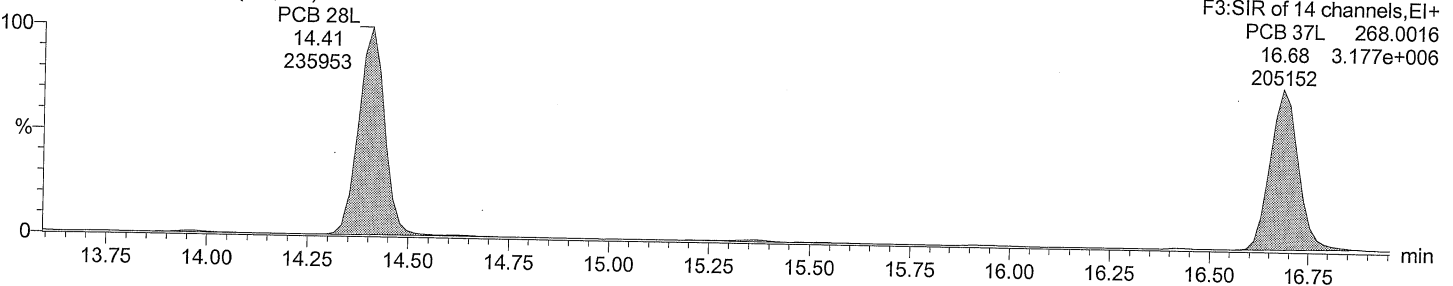
**Total TriCB F3**

M2160218DS006 Smooth(SG,1x1)



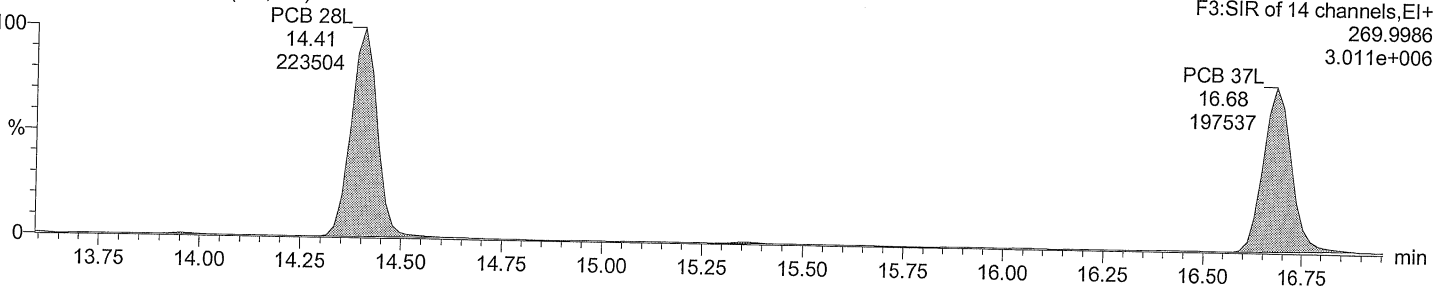
**Total TriCB labeled F3**

M2160218DS006 Smooth(SG,3x1)



**Total TriCB labeled F3**

M2160218DS006 Smooth(SG,3x1)





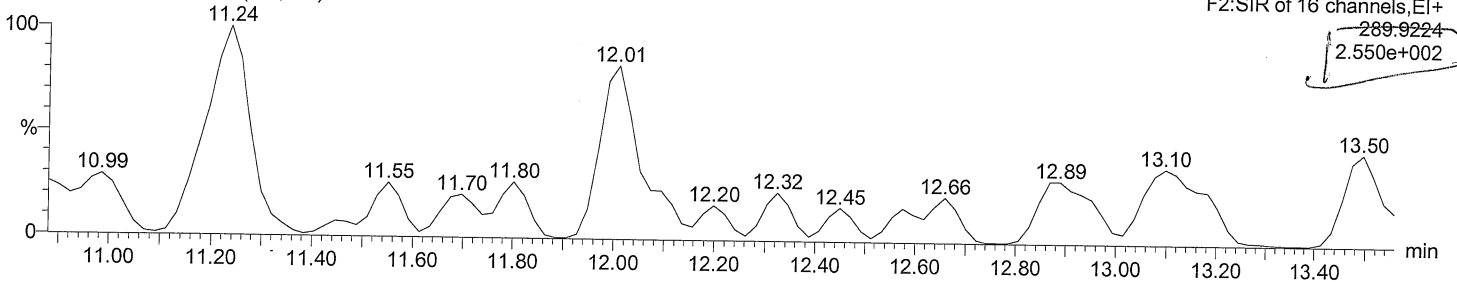
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Last Altered: February 20, 2016 09:25:30 AM Eastern Standard Time  
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Time: 22:38:24

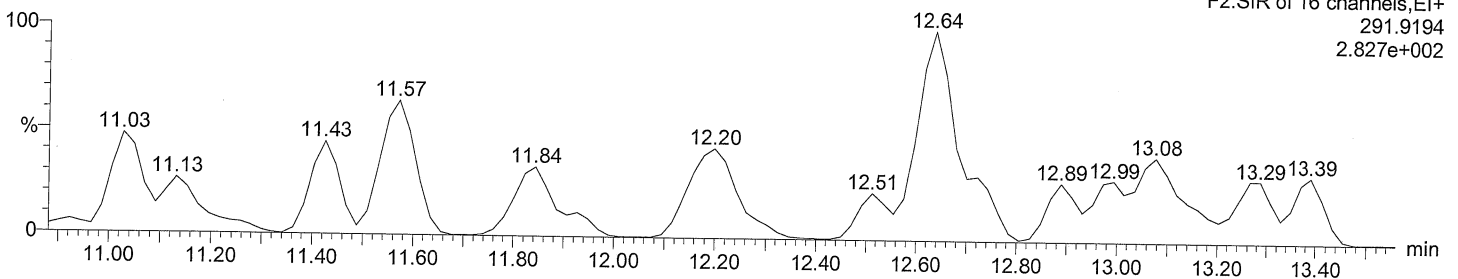
**Total TeCB F2**

M2160218DS006 Smooth(SG,3x1)



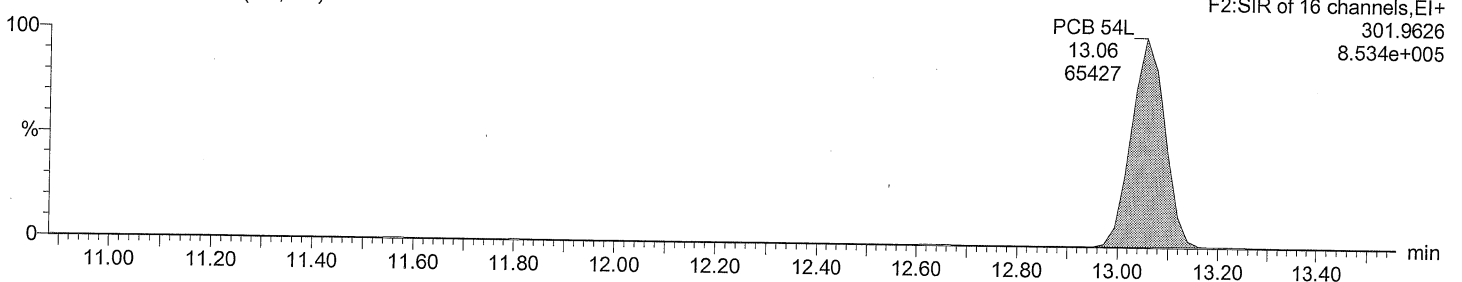
**Total TeCB F2**

M2160218DS006 Smooth(SG,3x1)



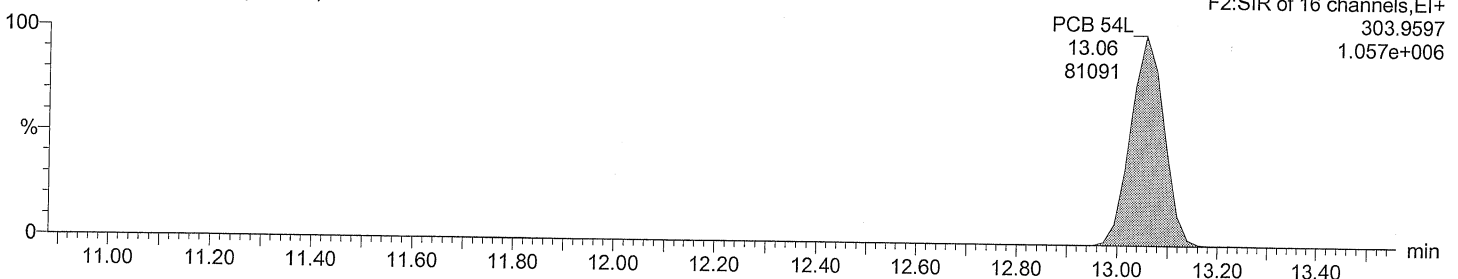
**Total TeCB labeled F2**

M2160218DS006 Smooth(SG,3x1)



**Total TeCB labeled F2**

M2160218DS006 Smooth(SG,3x1)



Acquired Date

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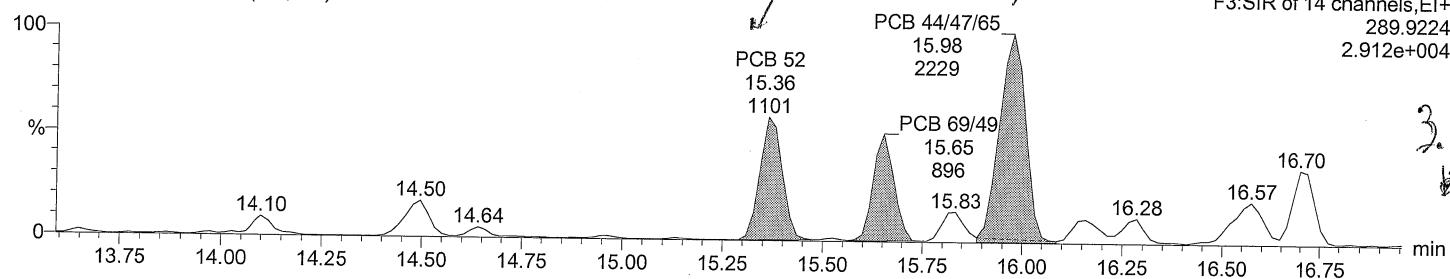
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Date: 18-FEB-2016

Time: 22:38:24

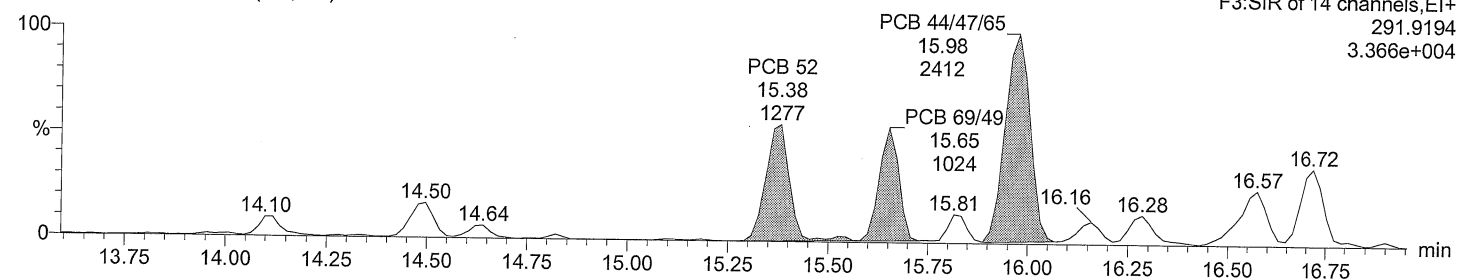
Total TeCB F3

M2160218DS006 Smooth(SG,1x1)



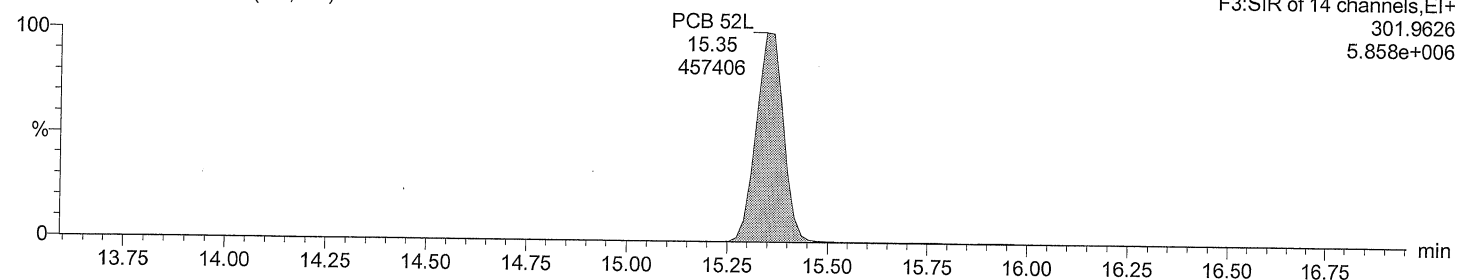
Total TeCB F3

M2160218DS006 Smooth(SG,1x1)



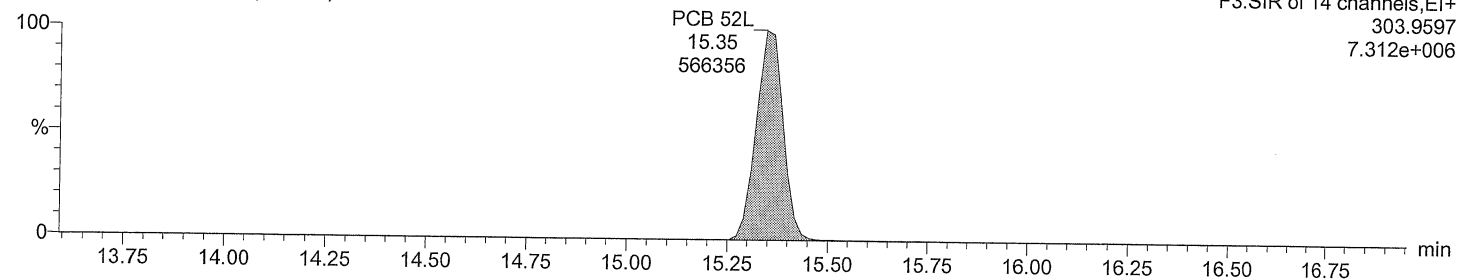
Total TeCB labeled F3

M2160218DS006 Smooth(SG,3x1)



Total TeCB labeled F3

M2160218DS006 Smooth(SG,3x1)



Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

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ID: WS#4386412/4378609, Ti

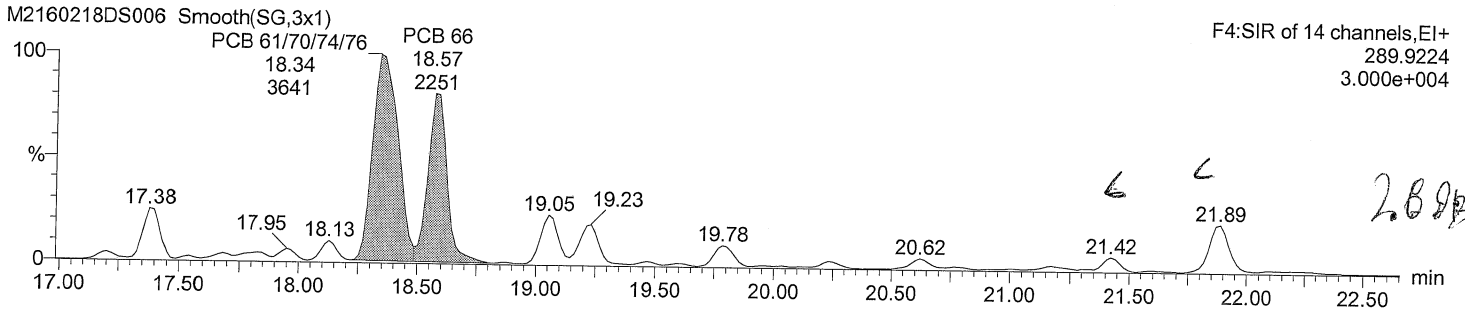
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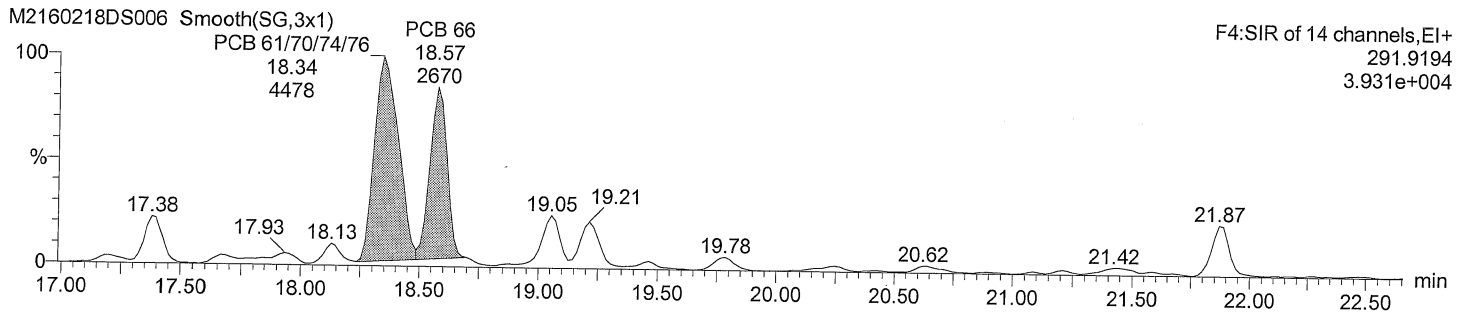
Date: 18-FEB-2016

Time: 22:38:24

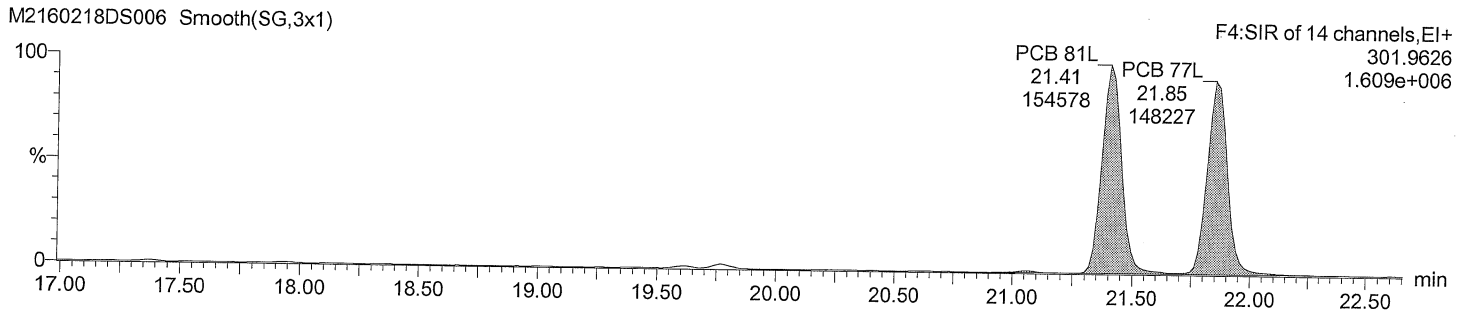
Total TeCB F4



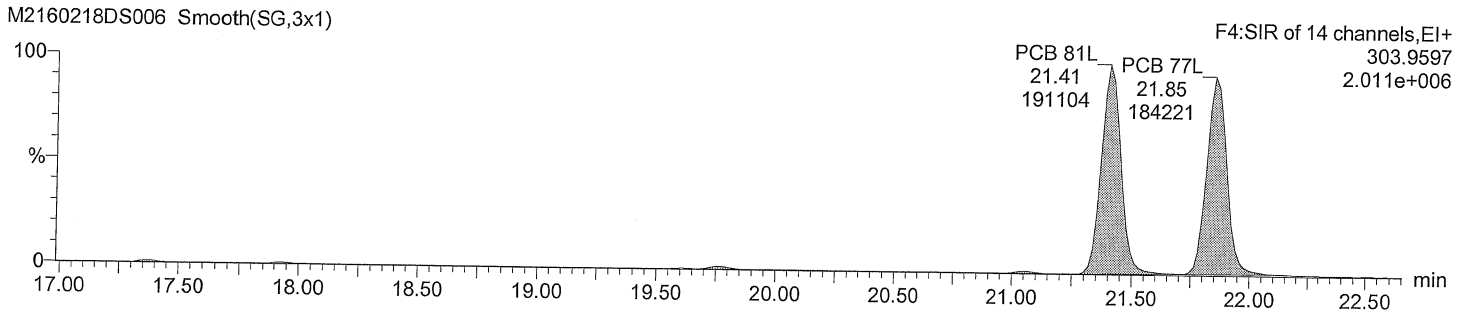
Total TeCB F4



Total TeCB labeled F4



Total TeCB labeled F4



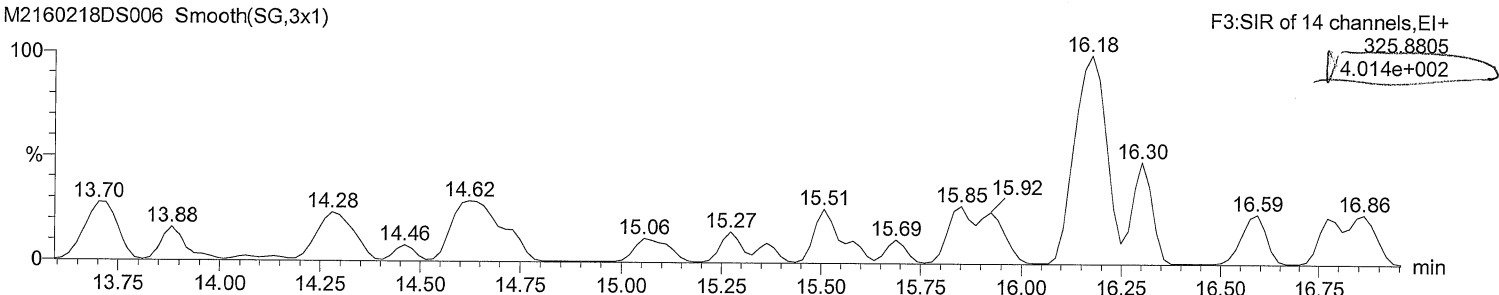
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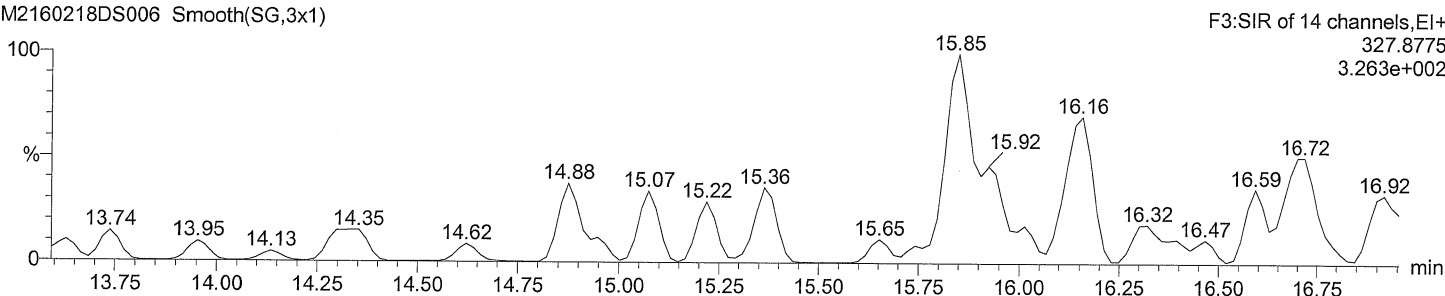
**Total PeCB F3**

M2160218DS006 Smooth(SG,3x1)



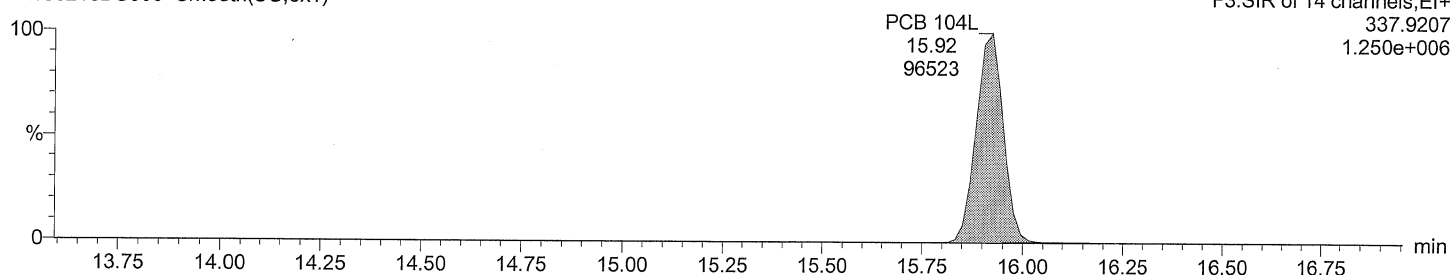
**Total PeCB F3**

M2160218DS006 Smooth(SG,3x1)



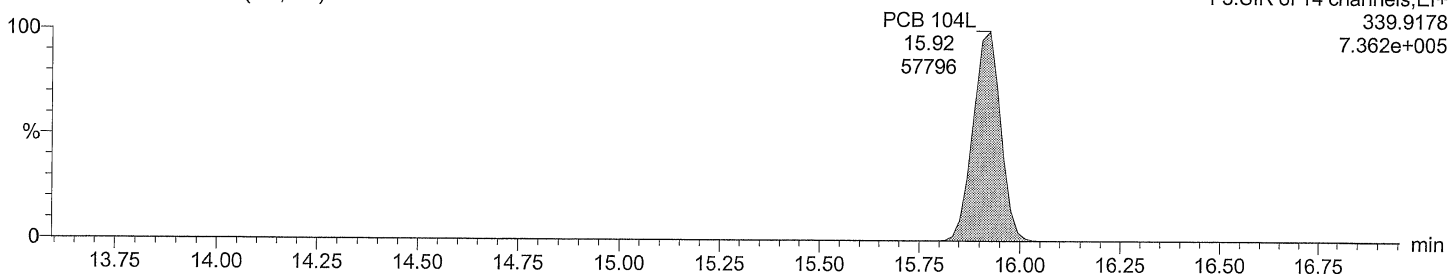
**Total PeCB labeled F3**

M2160218DS006 Smooth(SG,3x1)



**Total PeCB labeled F3**

M2160218DS006 Smooth(SG,3x1)



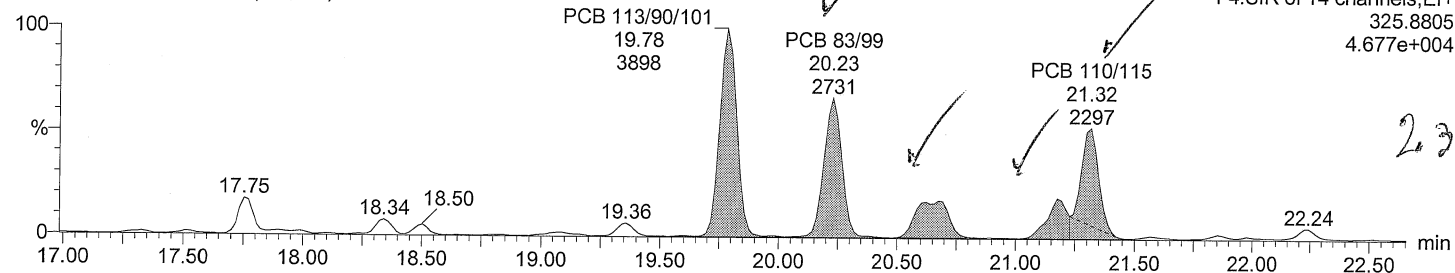
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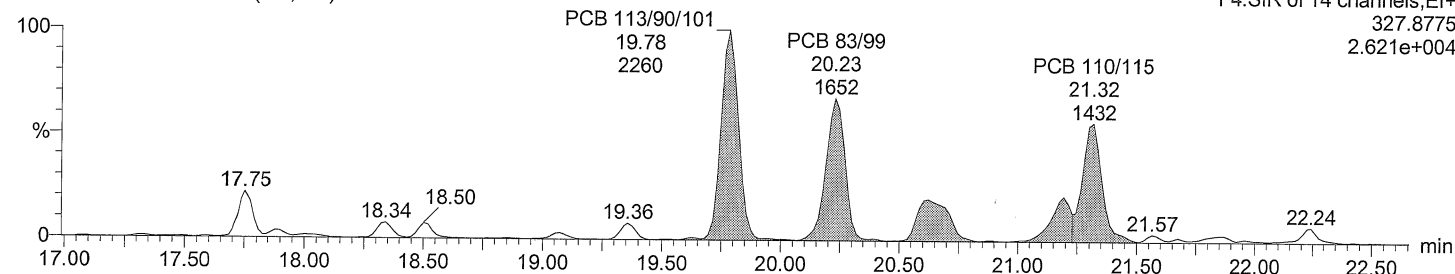
Total PeCB F4

M2160218DS006 Smooth(SG,2x1)



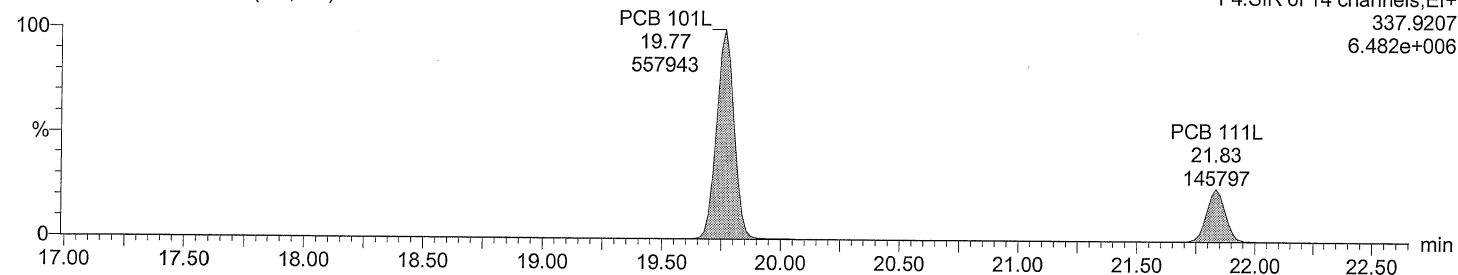
Total PeCB F4

M2160218DS006 Smooth(SG,2x1)



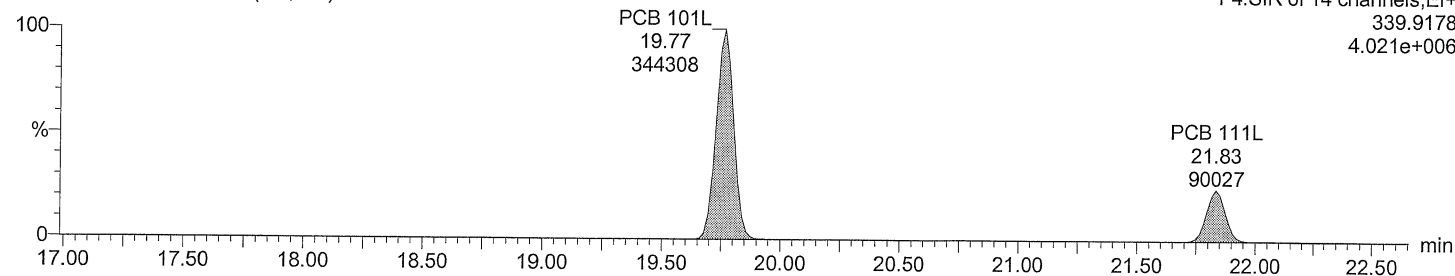
Total PeCB labeled F4

M2160218DS006 Smooth(SG,3x1)



Total PeCB labeled F4

M2160218DS006 Smooth(SG,3x1)



Acquired Date

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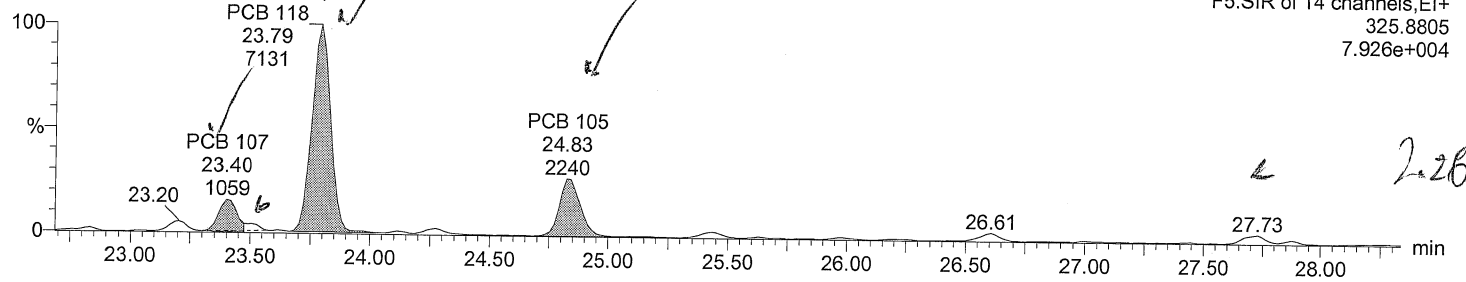
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Time: 22:38:24

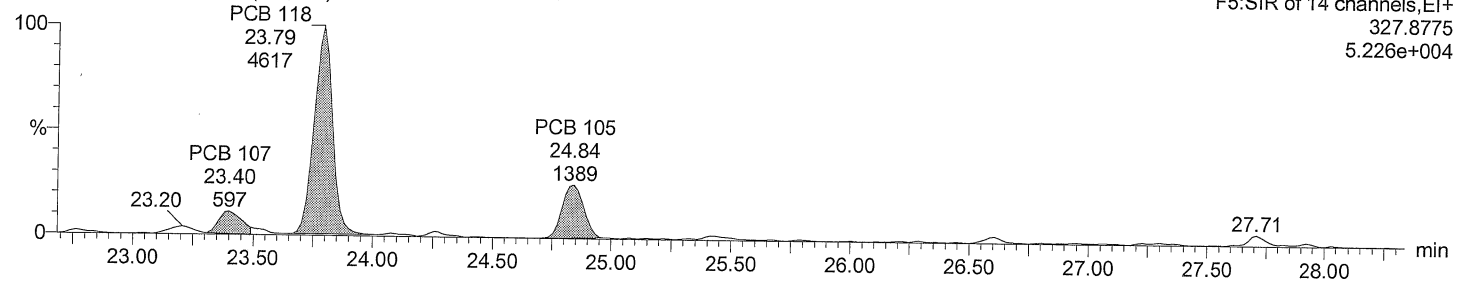
Total PeCB F5

M2160218DS006 Smooth(SG,2x1)



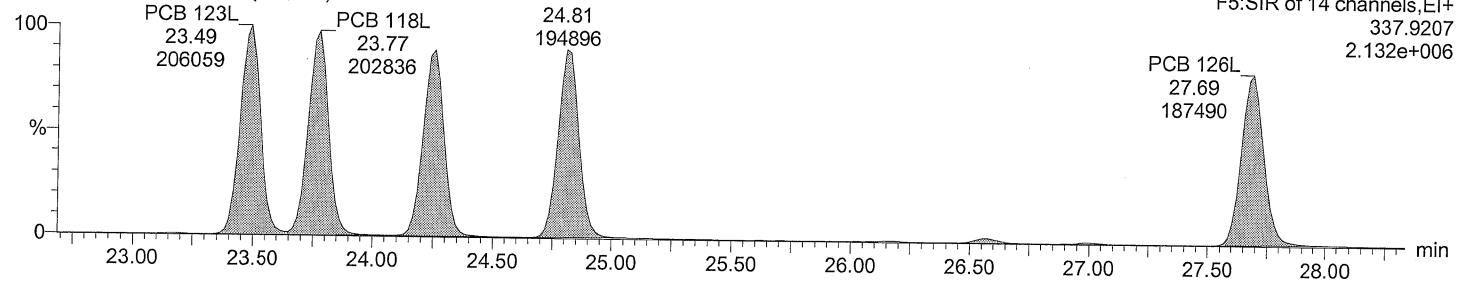
Total PeCB F5

M2160218DS006 Smooth(SG,2x1)



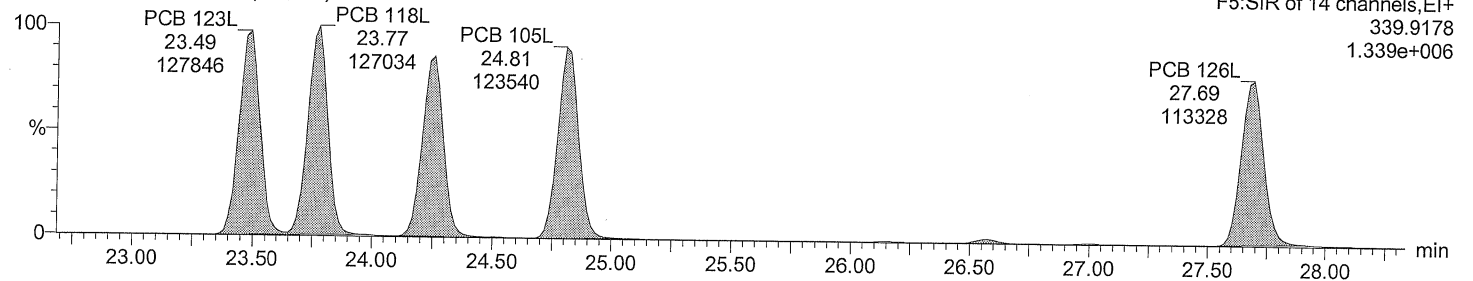
Total PeCB labeled F5

M2160218DS006 Smooth(SG,3x1)



Total PeCB labeled F5

M2160218DS006 Smooth(SG,3x1)

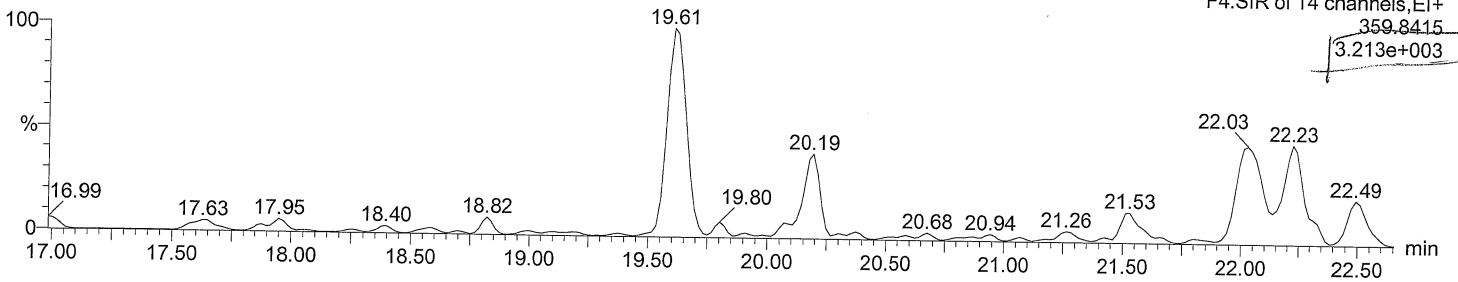


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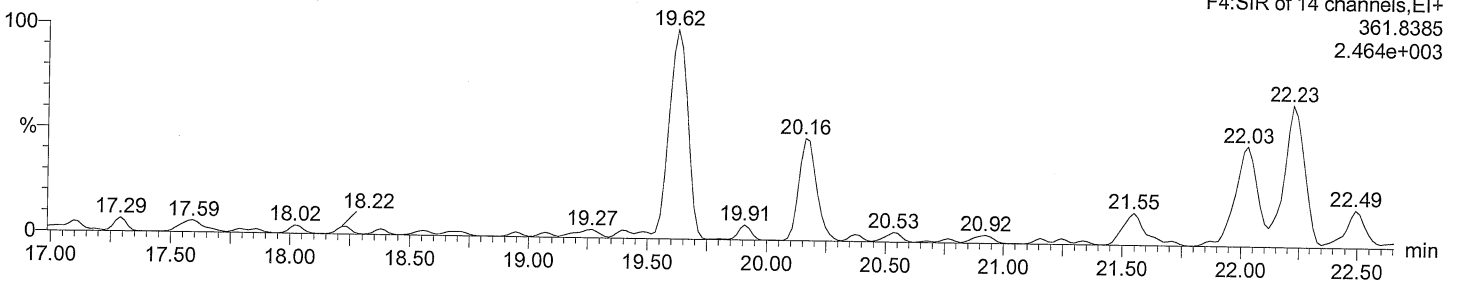
**Total HxCB F4**

M2160218DS006 Smooth(SG,3x1)



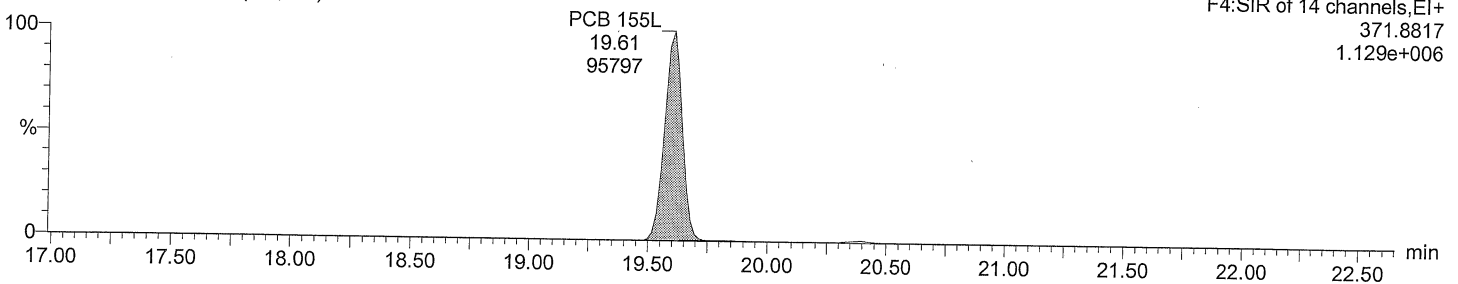
**Total HxCB F4**

M2160218DS006 Smooth(SG,3x1)



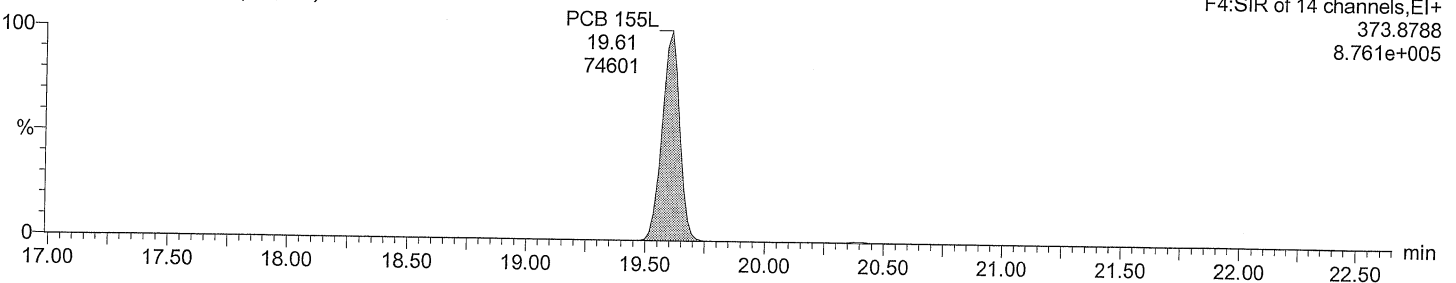
**Total HxCB labeled F4**

M2160218DS006 Smooth(SG,3x1)



**Total HxCB labeled F4**

M2160218DS006 Smooth(SG,3x1)



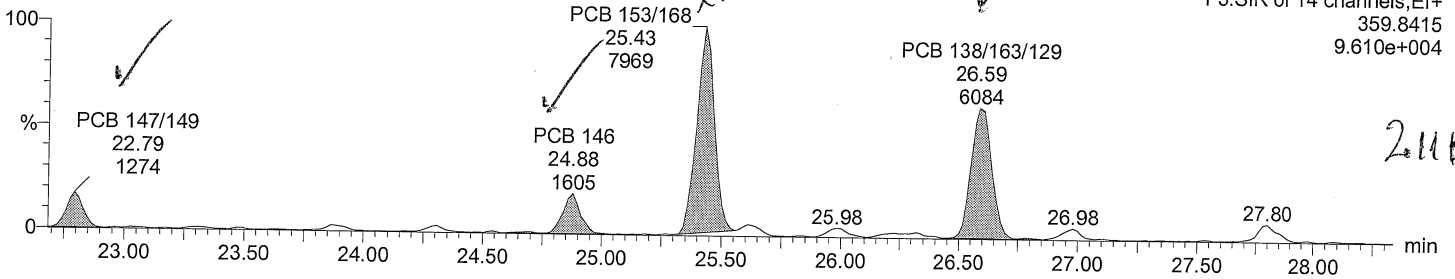
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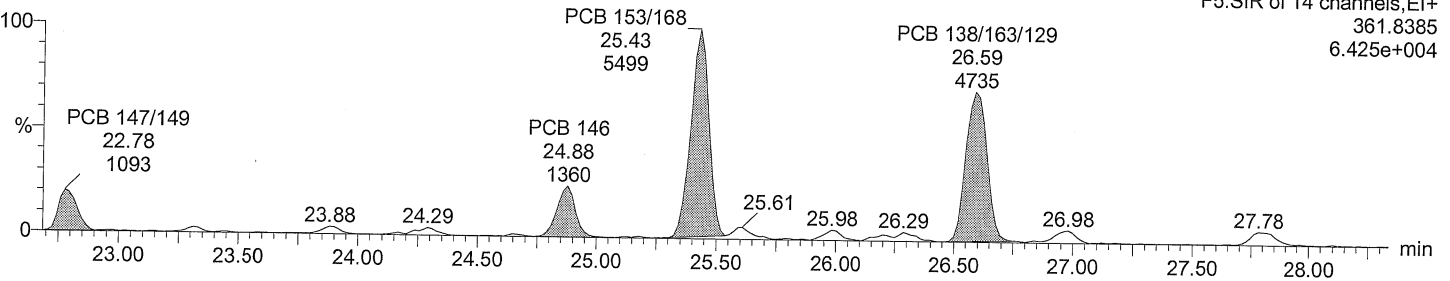
Total HxCB F5

M2160218DS006 Smooth(SG,1x1)



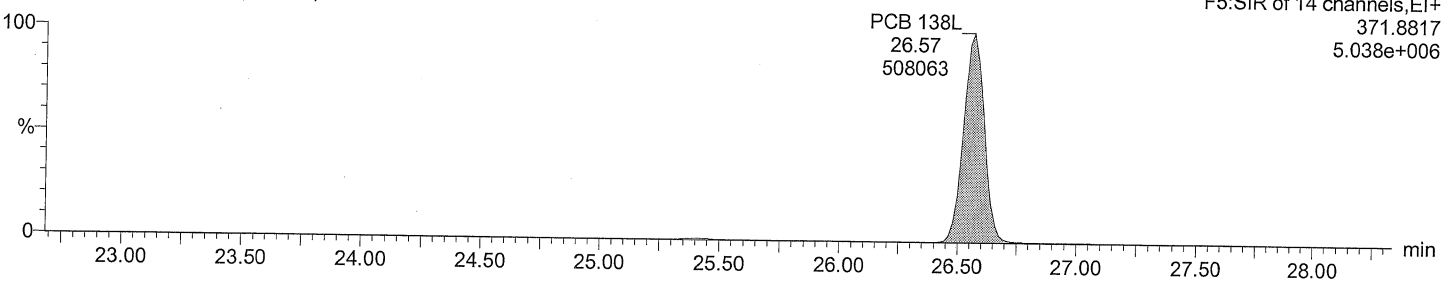
Total HxCB F5

M2160218DS006 Smooth(SG,1x1)



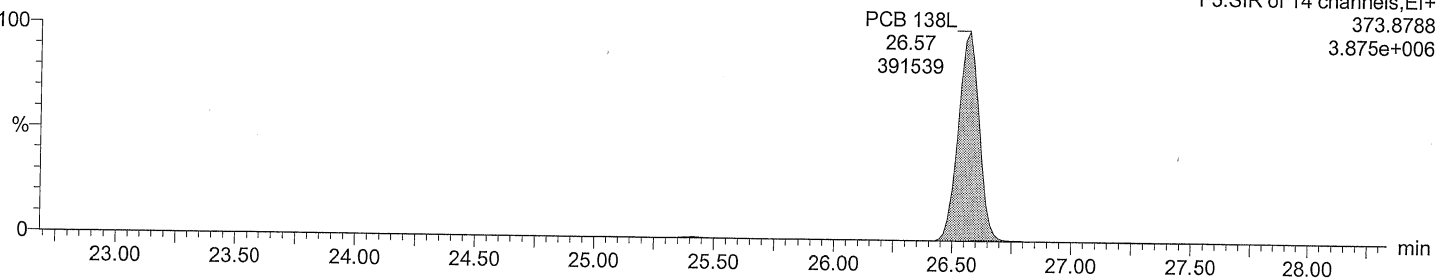
Total HxCB labeled F5

M2160218DS006 Smooth(SG,3x1)



Total HxCB labeled F5

M2160218DS006 Smooth(SG,3x1)





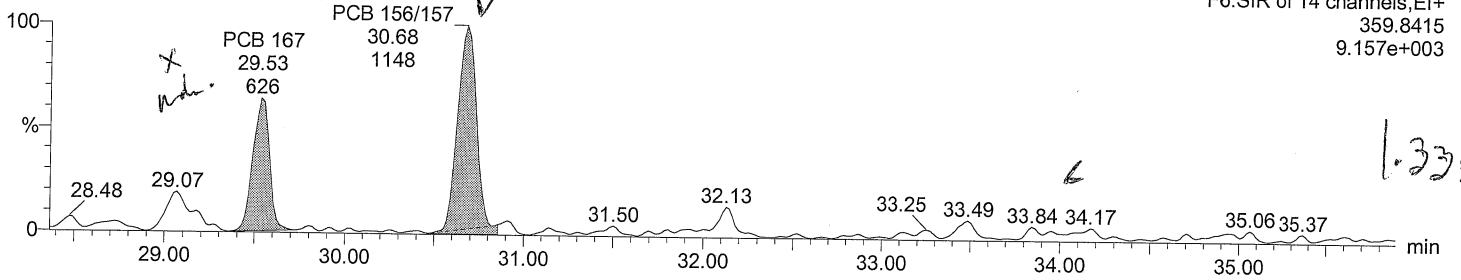
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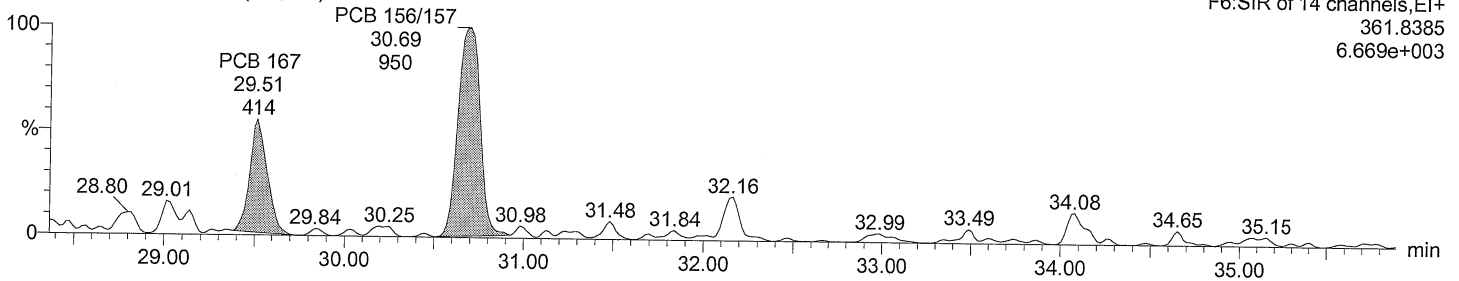
Total HxCB F6

M2160218DS006 Smooth(SG,3x1)



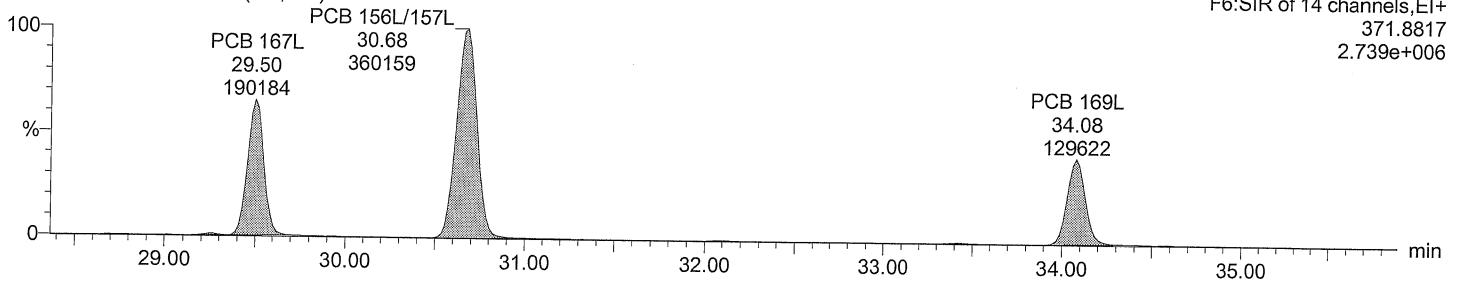
Total HxCB F6

M2160218DS006 Smooth(SG,3x1)



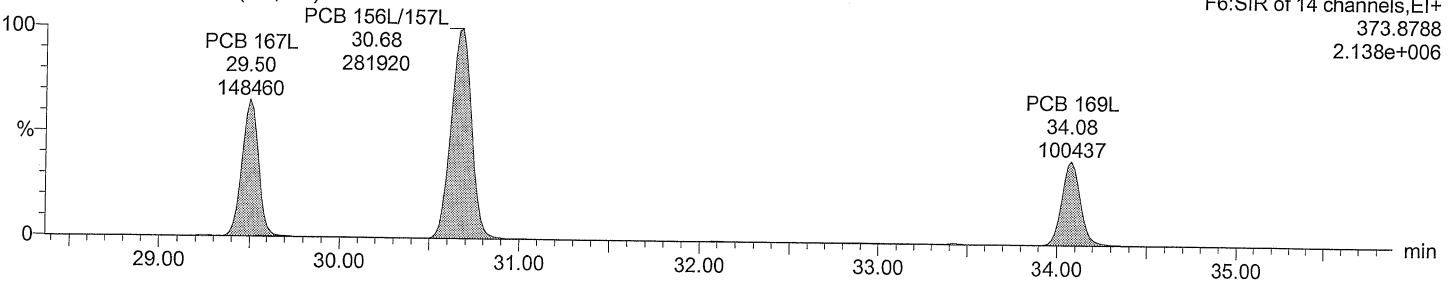
Total HxCB labeled F6

M2160218DS006 Smooth(SG,3x1)



Total HxCB labeled F6

M2160218DS006 Smooth(SG,3x1)



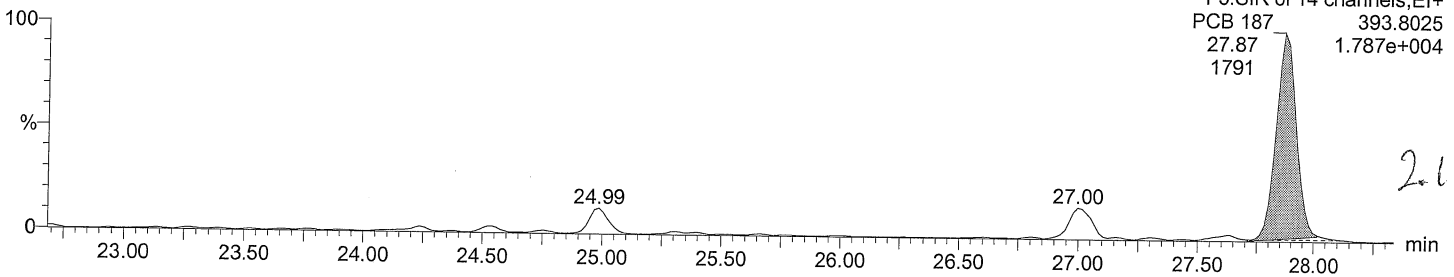
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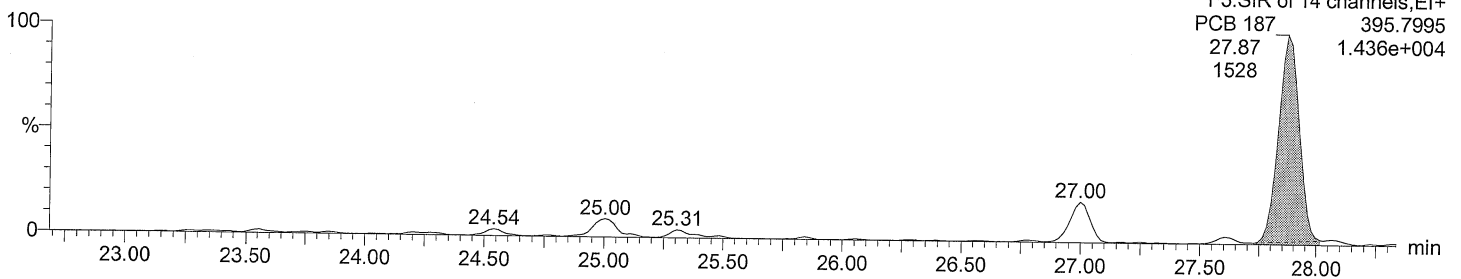
Total HpCB F5

M2160218DS006 Smooth(SG,3x1)



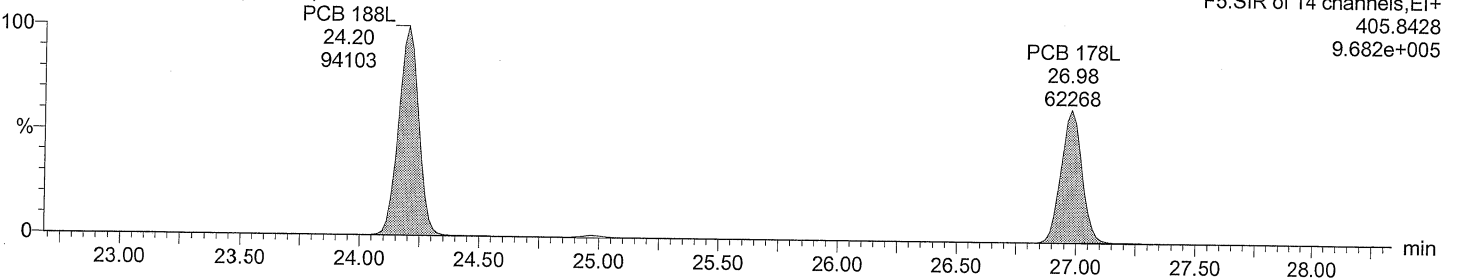
Total HpCB F5

M2160218DS006 Smooth(SG,3x1)



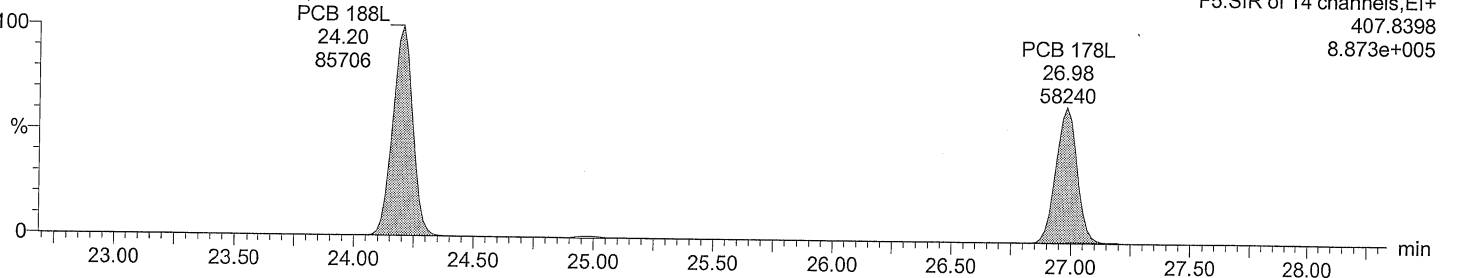
Total HpCB labeled F5

M2160218DS006 Smooth(SG,3x1)



Total HpCB labeled F5

M2160218DS006 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

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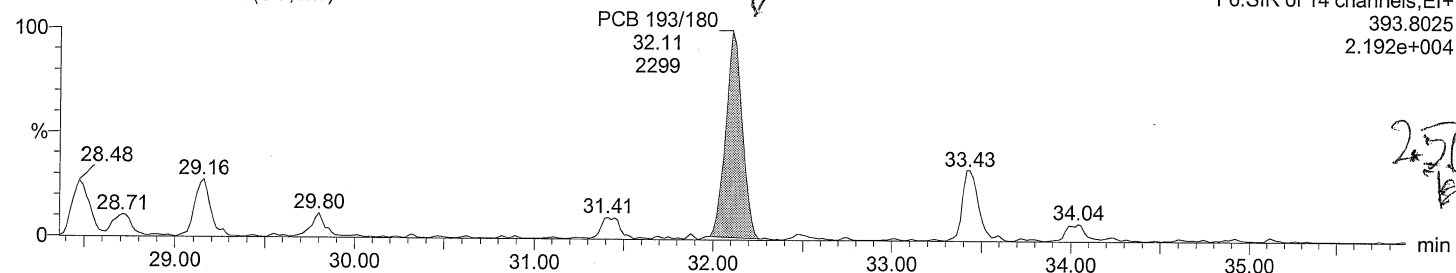
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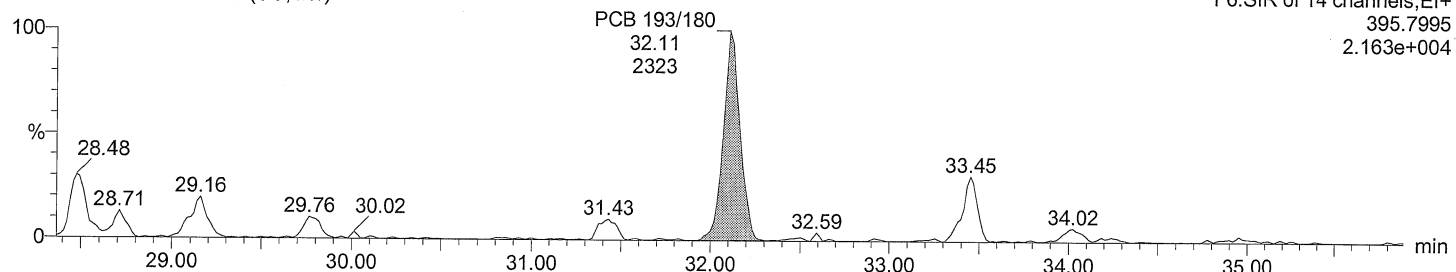
Total HpCB F6

M2160218DS006 Smooth(SG,1x1)



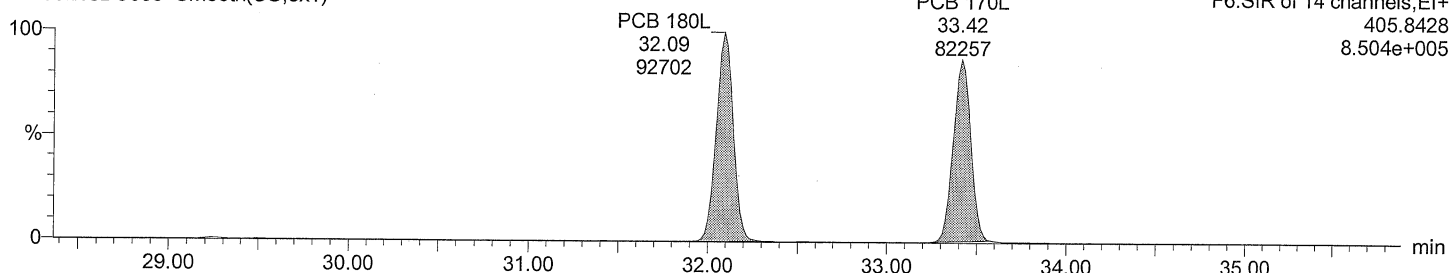
Total HpCB F6

M2160218DS006 Smooth(SG,1x1)



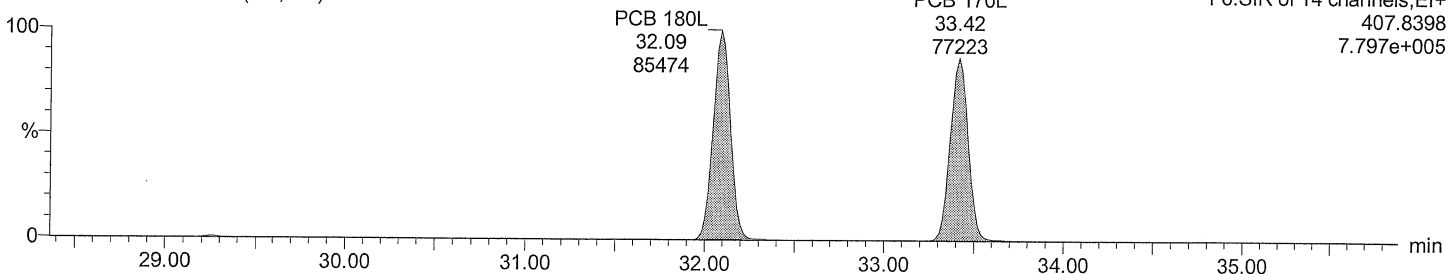
Total HpCB labeled F6

M2160218DS006 Smooth(SG,3x1)



Total HpCB labeled F6

M2160218DS006 Smooth(SG,3x1)



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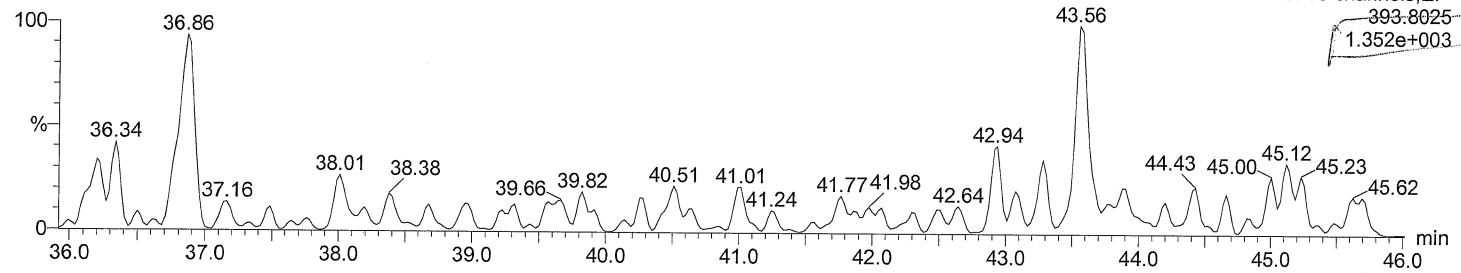
Vial: 6

Date: 18-FEB-2016

Time: 22:38:24

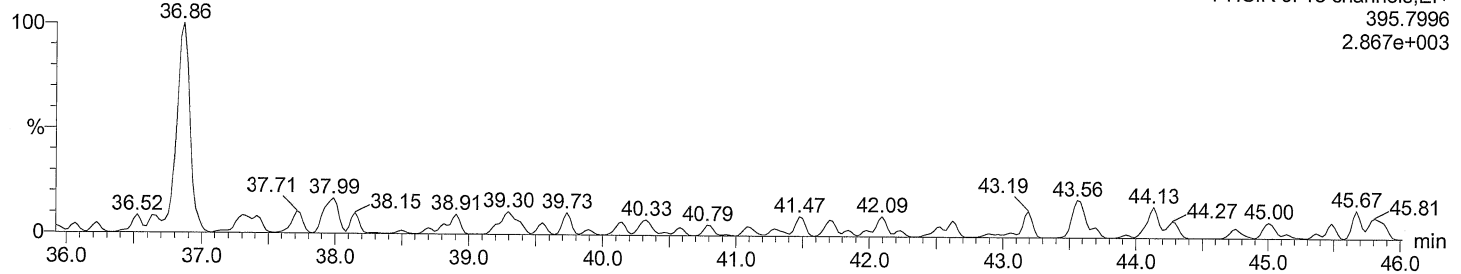
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M2160218DS006 Smooth(SG,3x1)



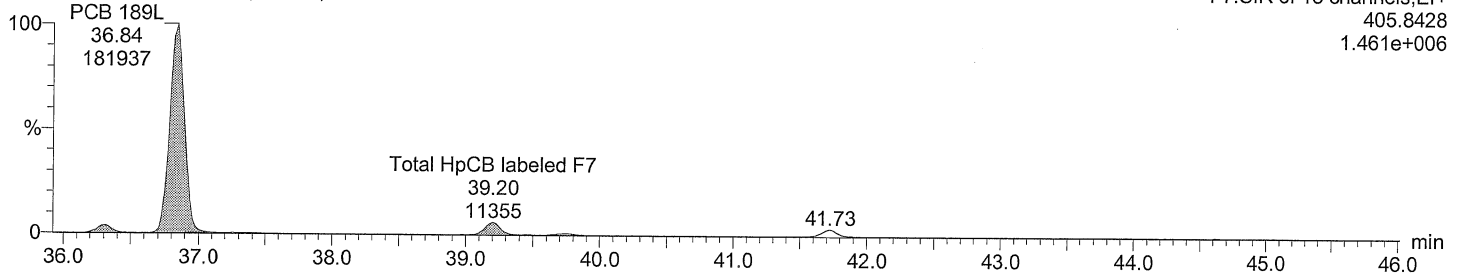
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M2160218DS006 Smooth(SG,3x1)



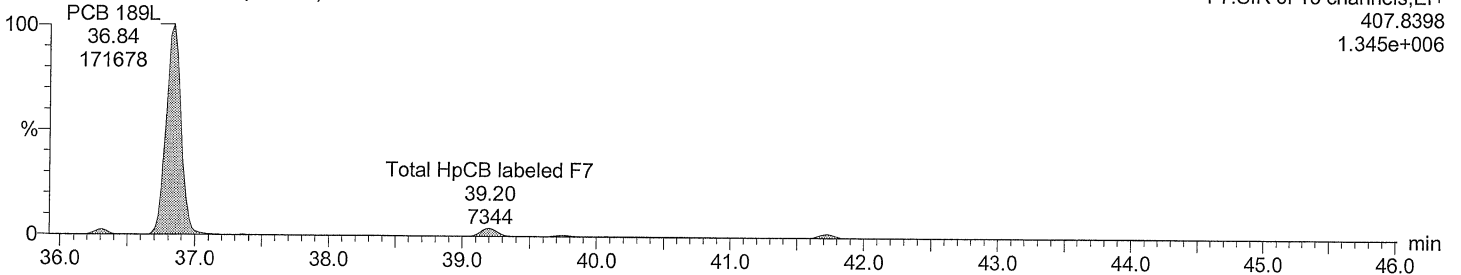
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M2160218DS006 Smooth(SG,3x1)



Total HpCB labeled F7

M2160218DS006 Smooth(SG,3x1)



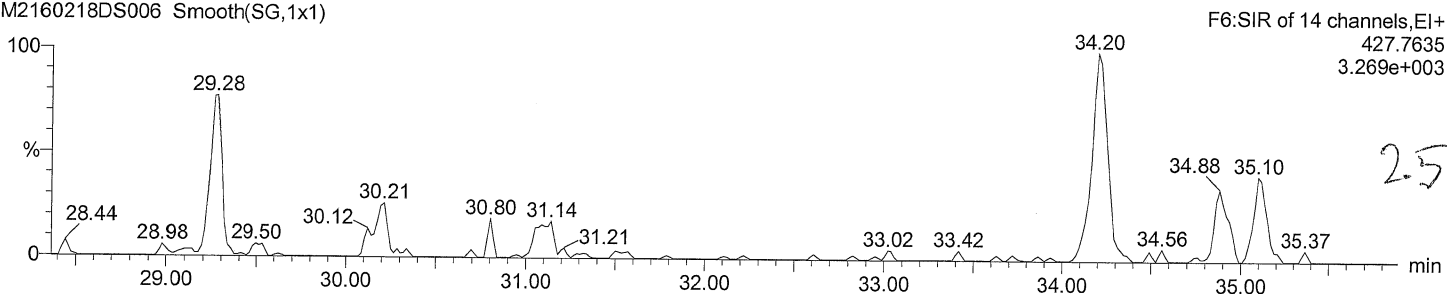
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Printed: February 20, 2016 09:27:56 AM Eastern Standard Time

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Date: 18-FEB-2016  
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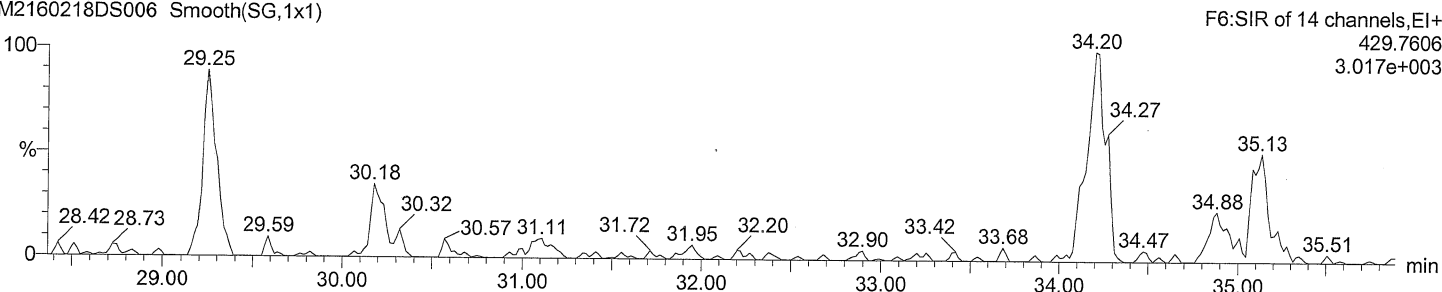
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M2160218DS006 Smooth(SG,1x1)



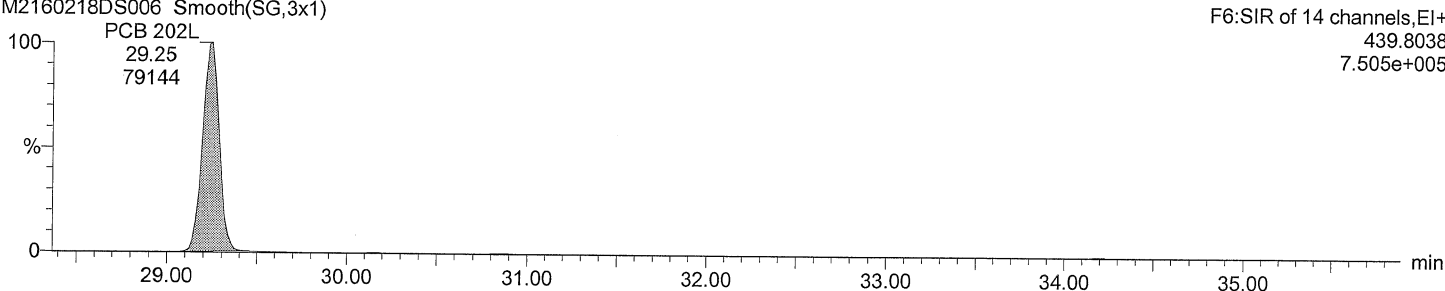
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M2160218DS006 Smooth(SG,1x1)



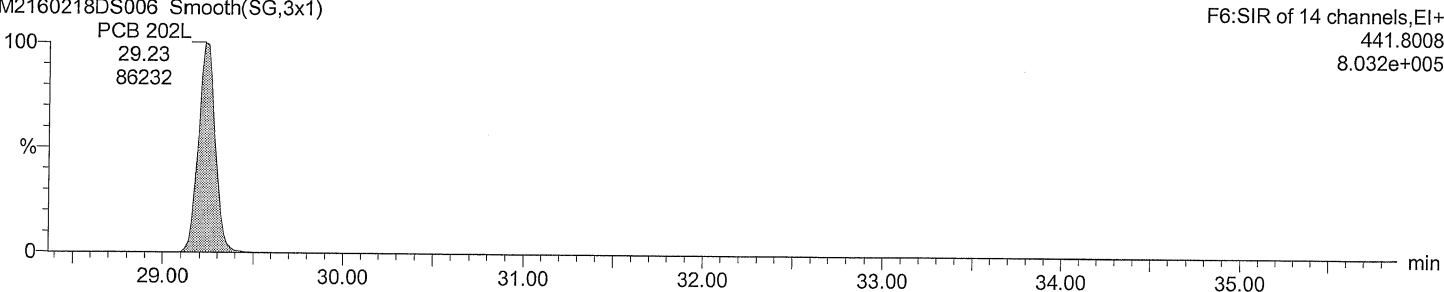
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M2160218DS006 Smooth(SG,3x1)



Total OcCB labeled F6

M2160218DS006 Smooth(SG,3x1)



Acquired Date

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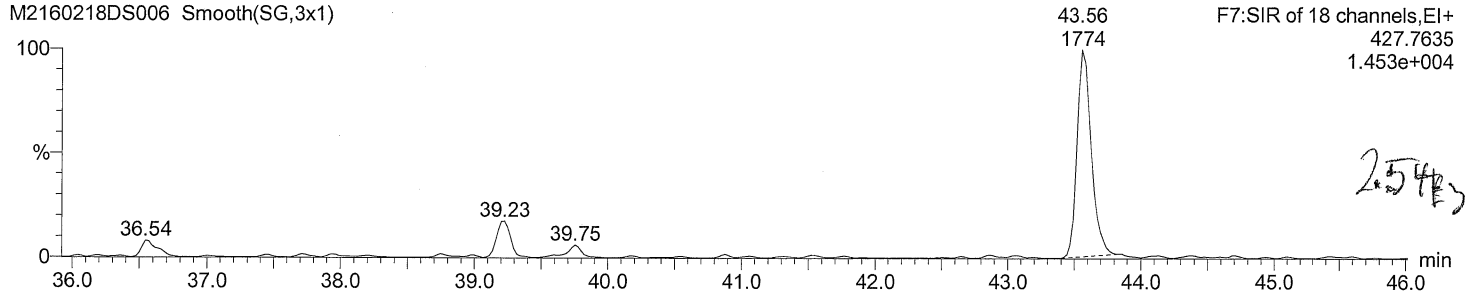
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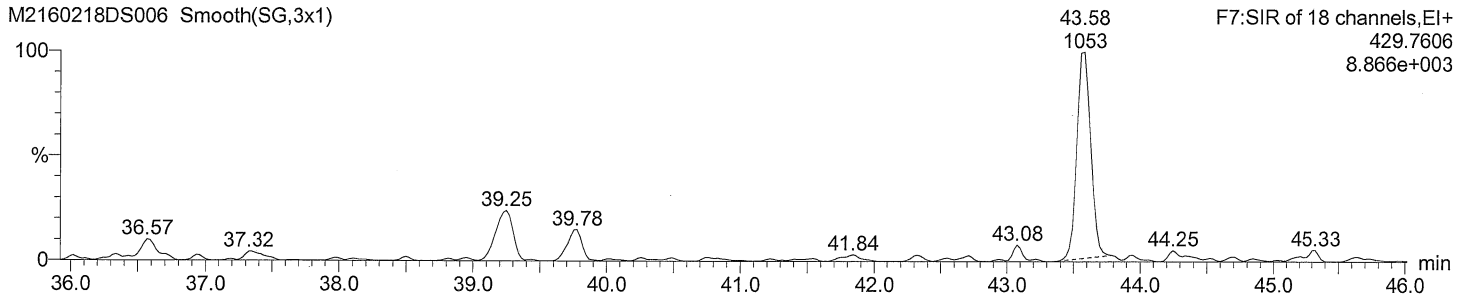
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M2160218DS006 Smooth(SG,3x1)



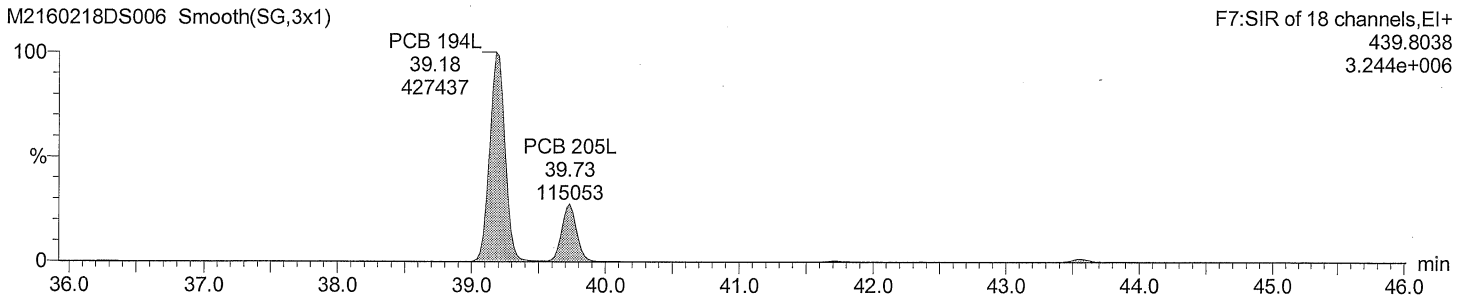
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M2160218DS006 Smooth(SG,3x1)



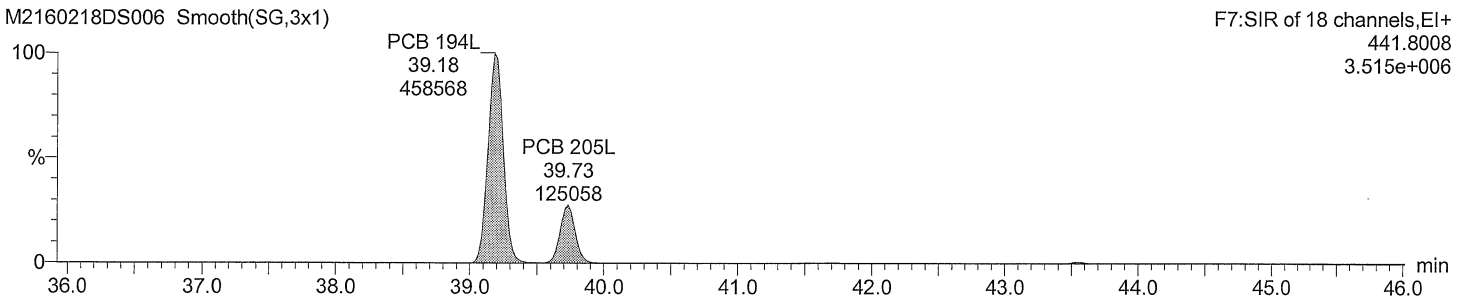
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M2160218DS006 Smooth(SG,3x1)



Total OoCB labeled F7

M2160218DS006 Smooth(SG,3x1)



Acquired Date

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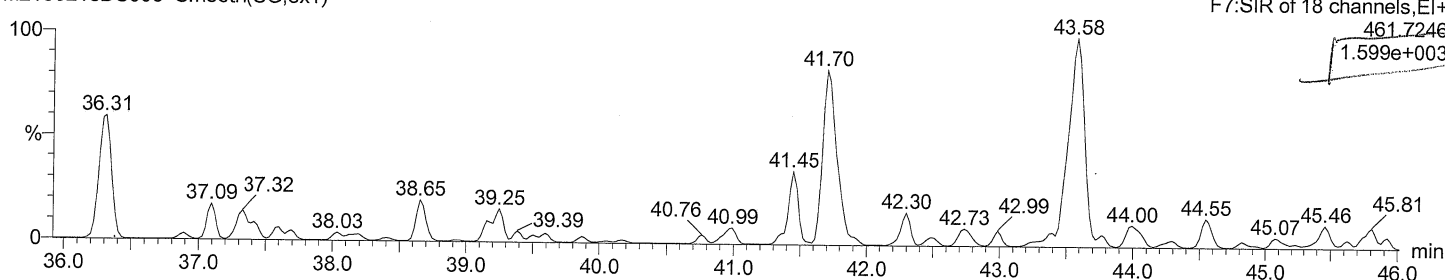
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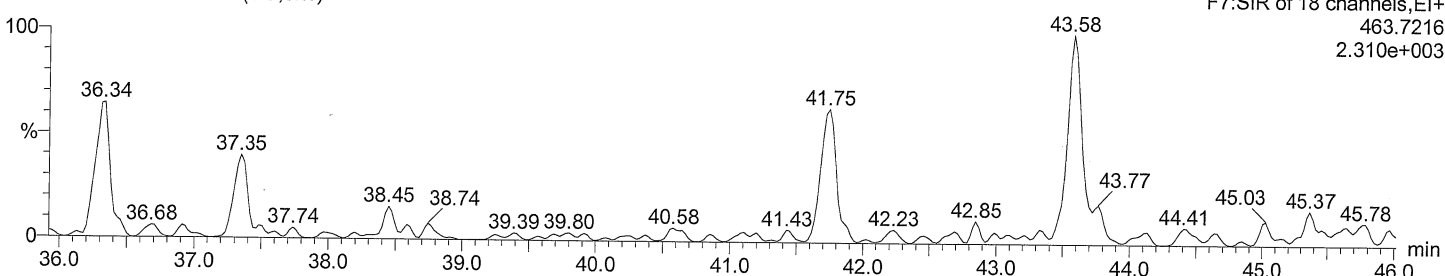
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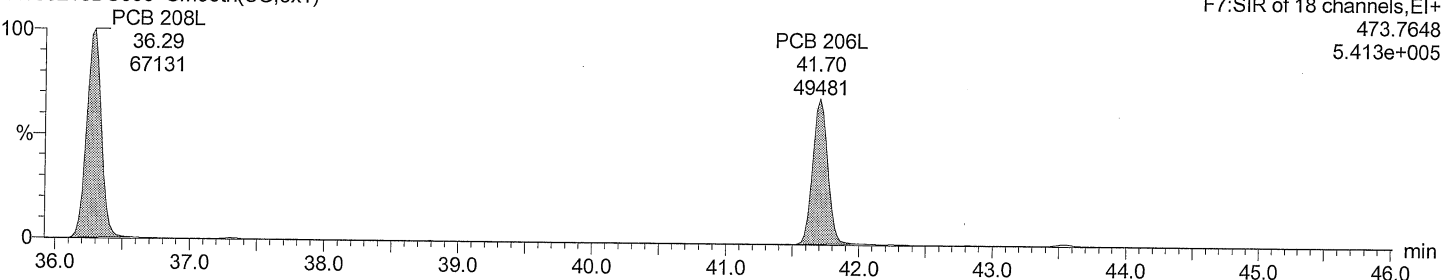
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M2160218DS006 Smooth(SG,3x1)



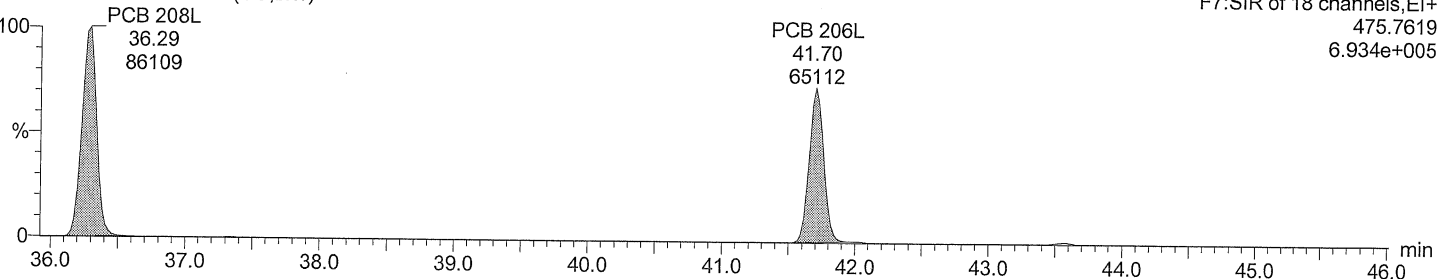
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M2160218DS006 Smooth(SG,3x1)



Total NoCB labeled F7

M2160218DS006 Smooth(SG,3x1)

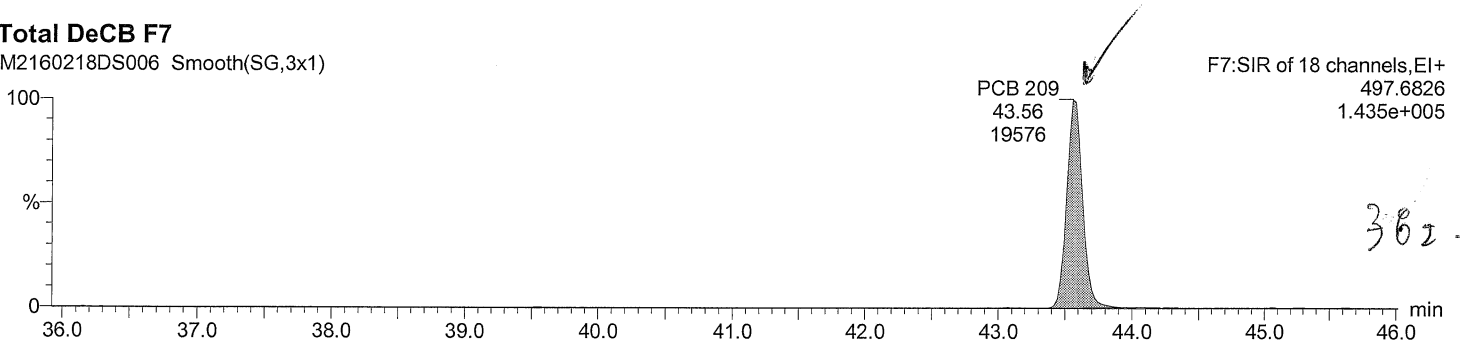


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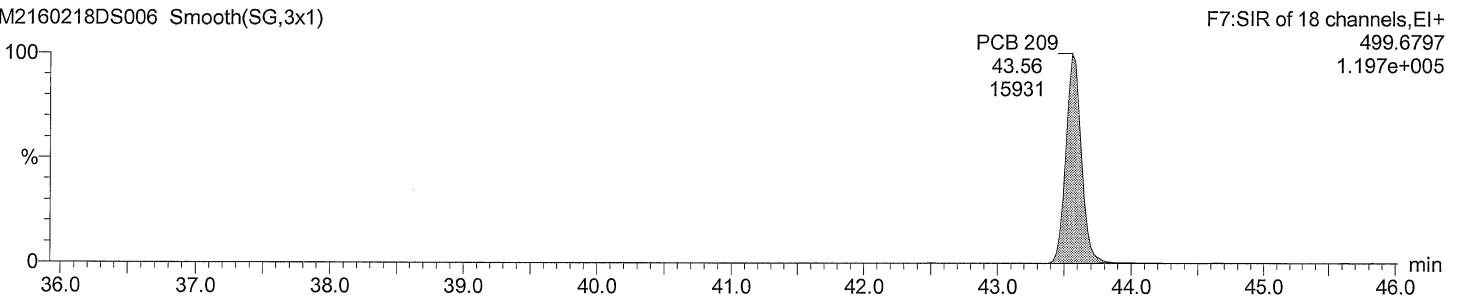
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M2160218DS006 Smooth(SG,3x1)



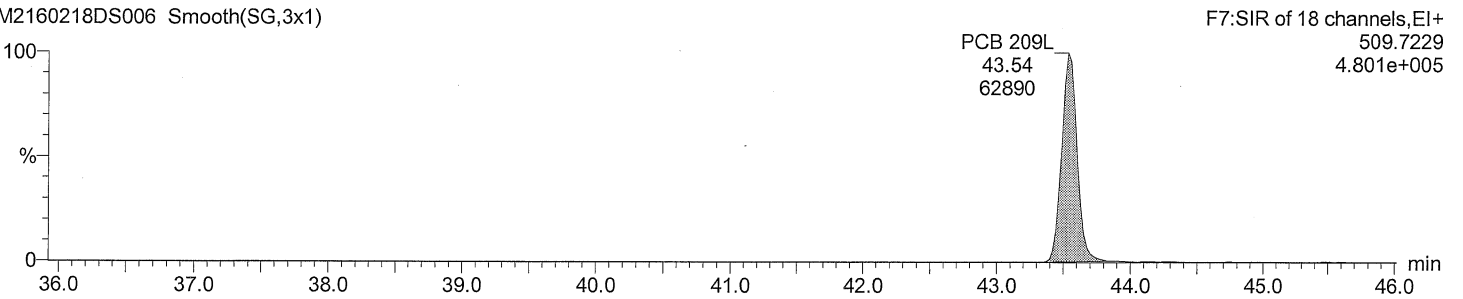
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M2160218DS006 Smooth(SG,3x1)



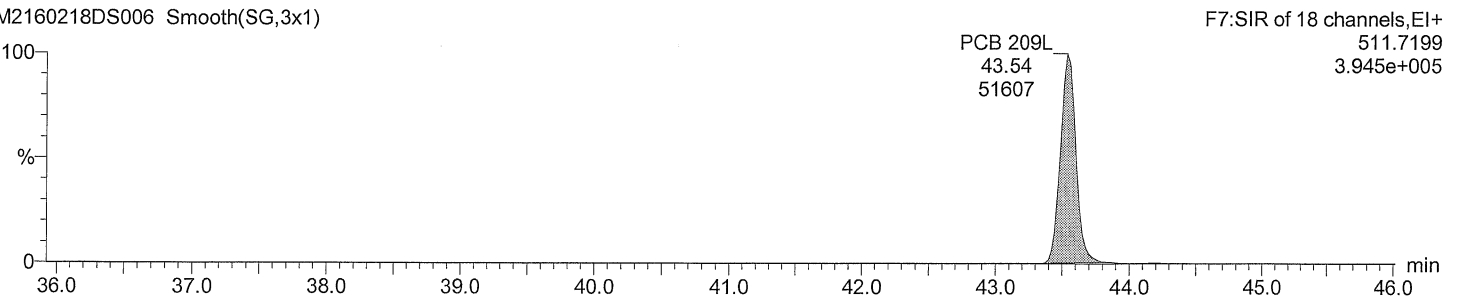
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M2160218DS006 Smooth(SG,3x1)



Total DeCB labeled F7

M2160218DS006 Smooth(SG,3x1)





Acquired Date

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Last Altered: February 20, 2016 09:25:30 AM Eastern Standard Time

Printed: February 20, 2016 09:27:56 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti

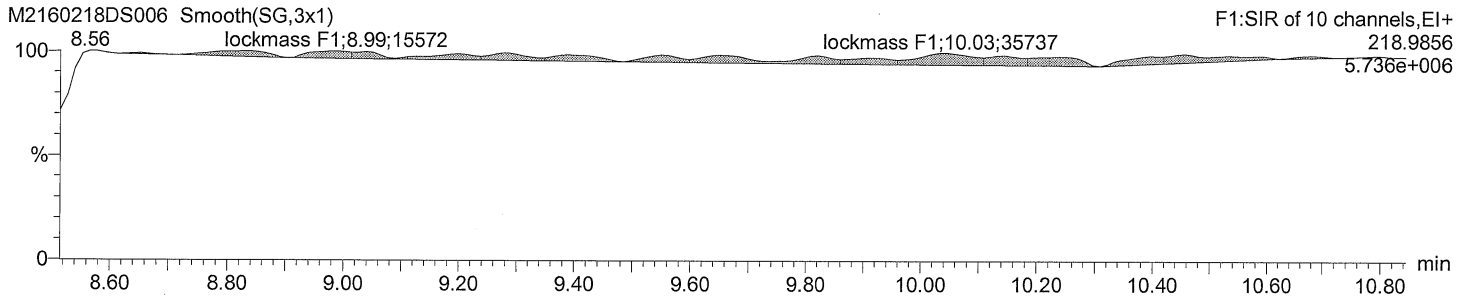
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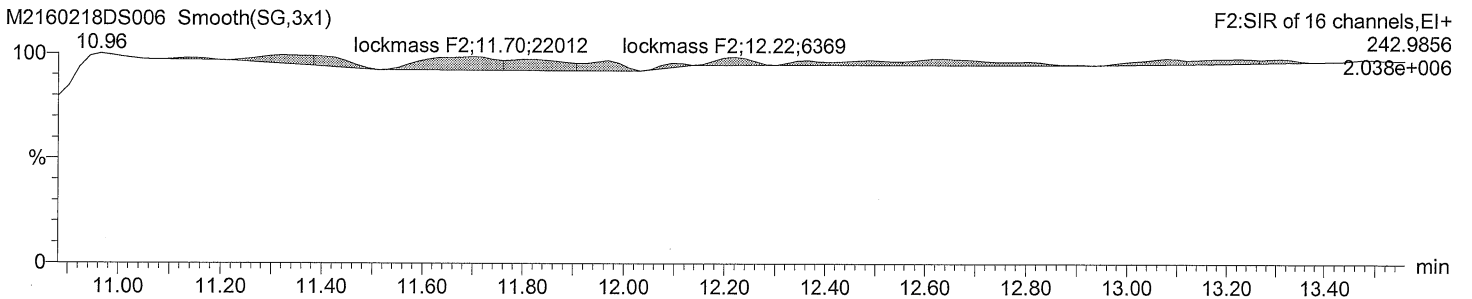
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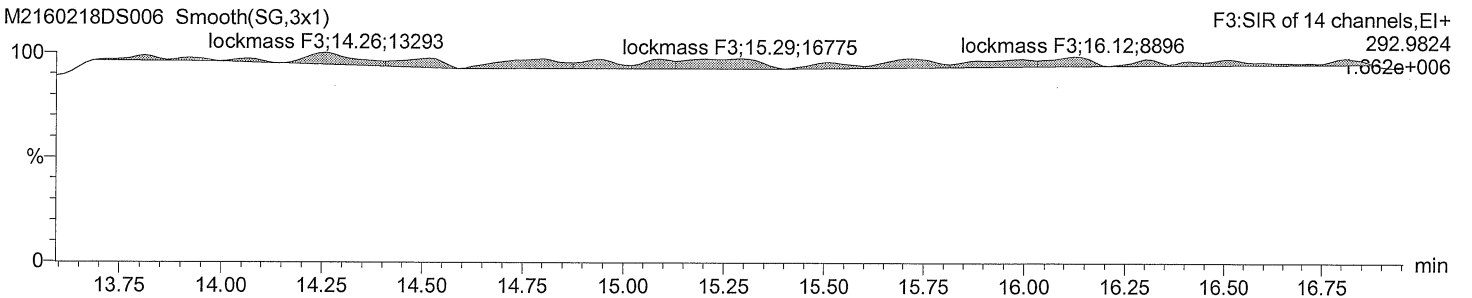
lockmass F1



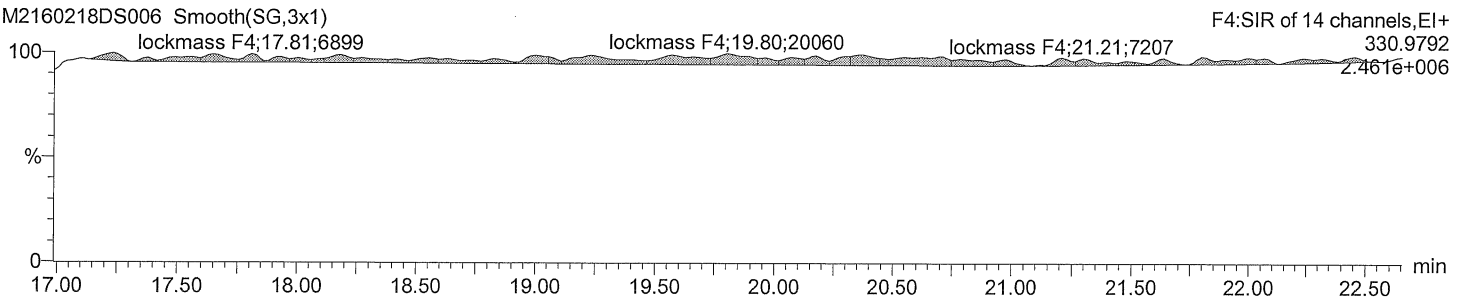
lockmass F2



lockmass F3



lockmass F4

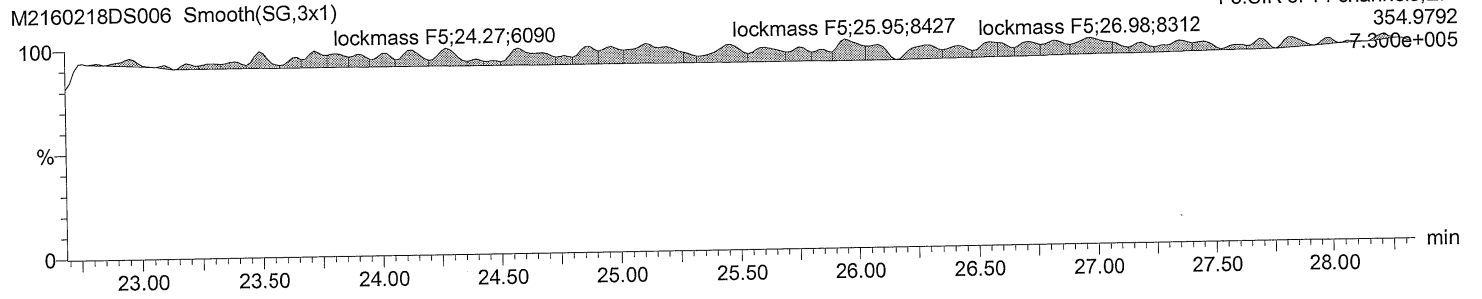


**Quantify Sample Report**    **MassLynx 4.0 SP1**  
Acquired Date

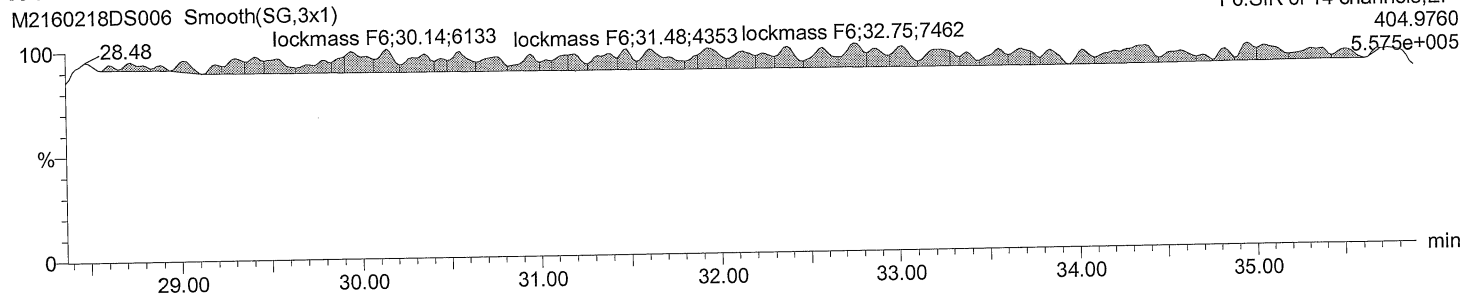
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Last Altered:      February 20, 2016 09:25:30 AM Eastern Standard Time  
Printed:            February 20, 2016 09:27:56 AM Eastern Standard Time

**ID: WS#4386412/4378609, Ti**  
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**Vial: 6**  
**Date: 18-FEB-2016**  
**Time: 22:38:24**

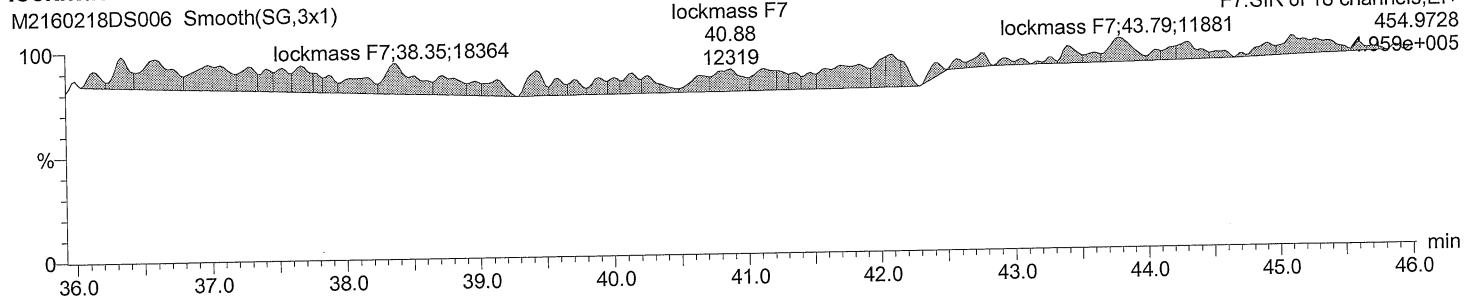
**lockmass F5**



**lockmass F6**

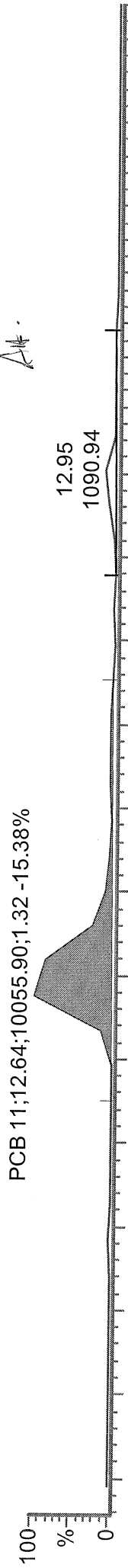


**lockmass F7**

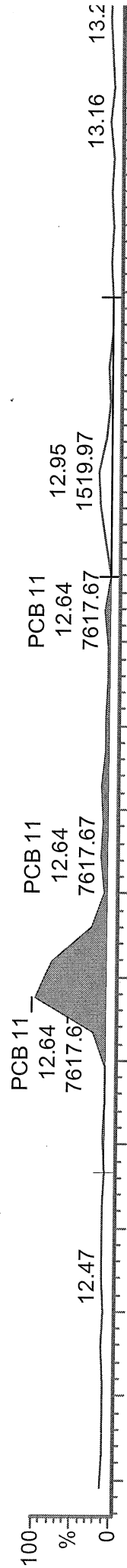


*Before*  
*16.02.20*  
*Alt.*

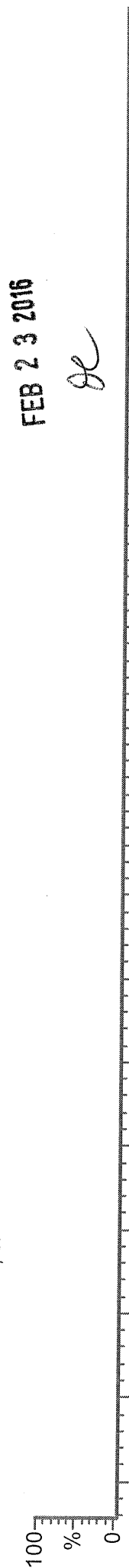
M2160218DS006  
BLANK WS#4386412/4378609, TI



M2160218DS006  
BLANK WS#4386412/4378609, TI



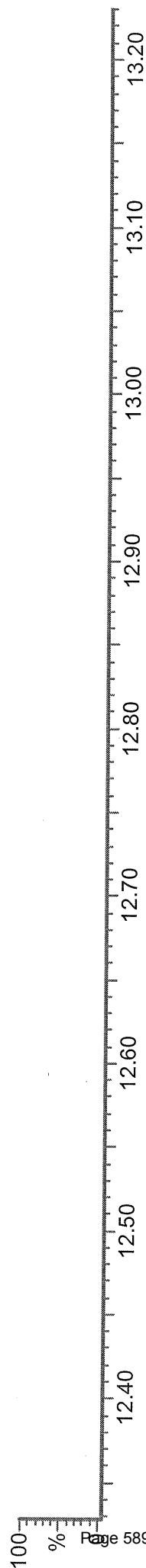
M2160218DS006 Smooth(SG,3x1)  
BLANK WS#4386412/4378609, TI



FEB 23 2016

*DL*

M2160218DS006 Smooth(SG,3x1)  
BLANK WS#4386412/4378609, TI

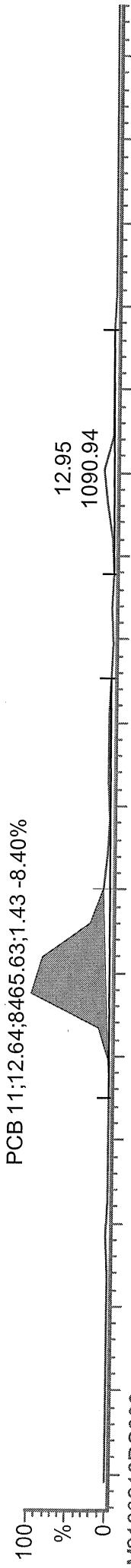


M3 16/02/20 : AH

Maxxam Analy

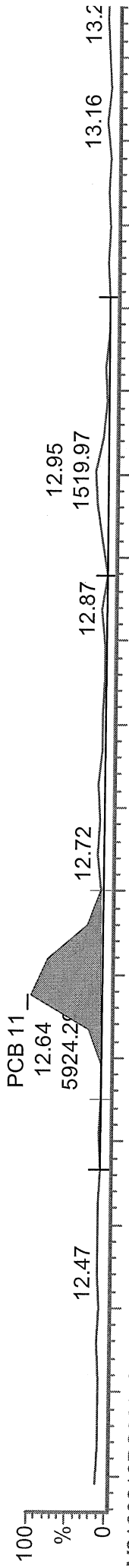
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BLANK WS#4386412/4378609, TI



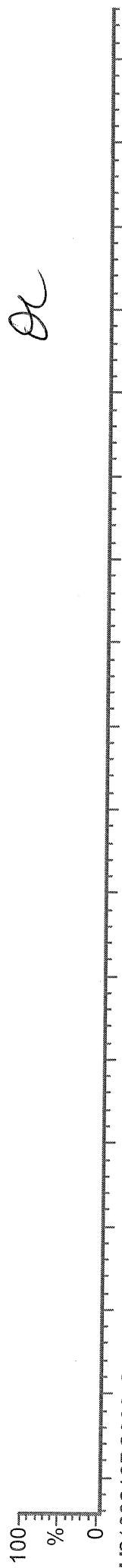
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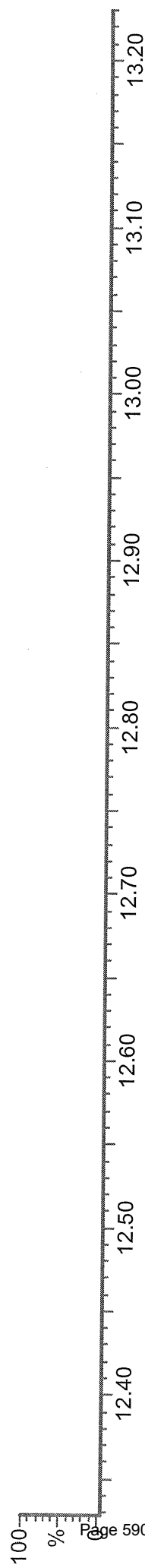
M2160218DS006 Smooth(SG,3x1)

BLANK WS#4386412/4378609, TI



M2160218DS006 Smooth(SG,3x1)

BLANK WS#4386412/4378609, TI



FEB 23 2016

*DL*



43 PCB 48	290	NotFnd	*	*	*	-0.00198	-0.00198	*	no	0.673	-	
	TCB 292	15.84	*	no	*			*				
44 PCB 44/47/65	290	NotFnd	*	*	*	-0.0017	-0.0017	*	no	0.783	-	
	TCB 292	15.98	*	no	*			*				
45 PCB 59/62/75	290	NotFnd	*	*	*	-0.00131	-0.00131	*	no	1.017	-	
	TCB 292	16.17	*	no	*			*				
46 PCB 42	290	NotFnd	*	*	*	-0.00195	-0.00195	*	no	0.682	-	
	TCB 292	16.30	*	no	*			*				
47 PCB 40/41/71	290	NotFnd	*	*	*	-0.00184	-0.00184	*	no	0.724	-	
	TCB 292	16.58	*	no	*			*				
48 PCB 64	290	NotFnd	*	*	*	-0.00144	-0.00144	*	no	0.922	-	
	TCB 292	16.71	*	no	*			*				
49 PCB 72	290	NotFnd	*	*	*	-0.00137	-0.00137	*	no	1.304	-	
	TCB 292	17.19	*	no	*			*				
50 PCB 68	290	NotFnd	*	*	*	-0.00147	-0.00147	*	no	1.22	-	
	TCB 292	17.40	*	no	*			*				
51 PCB 57	290	NotFnd	*	*	*	-0.00147	-0.00147	*	no	1.221	-	
	TCB 292	17.68	*	no	*			*				
52 PCB 58	290	NotFnd	*	*	*	-0.00173	-0.00173	*	no	1.035	-	
	TCB 292	17.83	*	no	*			*				
53 PCB 67	290	NotFnd	*	*	*	-0.00133	-0.00133	*	no	1.347	-	
	TCB 292	17.94	*	no	*			*				
54 PCB 63	290	NotFnd	*	*	*	-0.00143	-0.00143	*	no	1.253	-	
	TCB 292	18.13	*	no	*			*				
55 PCB 61/70/74/76	290	NotFnd	*	*	*	-0.00161	-0.00161	*	no	1.109	-	
	TCB 292	18.35	*	no	*			*				
56 PCB 66	290	NotFnd	*	*	*	-0.00144	-0.00144	*	no	1.241	-	
	TCB 292	18.58	*	no	*			*				
57 PCB 55	290	NotFnd	*	*	*	-0.00179	-0.00179	*	no	0.998	-	
	TCB 292	18.71	*	no	*			*				
58 PCB 56	290	NotFnd	*	*	*	-0.0018	-0.0018	*	no	0.995	-	
	TCB 292	19.05	*	no	*			*				
59 PCB 60	290	NotFnd	*	*	*	-0.00181	-0.00181	*	no	0.988	-	
	TCB 292	19.22	*	no	*			*				
60 PCB 80	290	NotFnd	*	*	*	-0.00146	-0.00146	*	no	1.224	-	
	TCB 292	19.48	*	no	*			*				
61 PCB 79	290	NotFnd	*	*	*	-0.00122	-0.00122	*	no	1.462	-	
	TCB 292	20.61	*	no	*			*				
62 PCB 78	290	NotFnd	*	*	*	-0.00139	-0.00139	*	no	1.287	-	
	TCB 292	21.06	*	no	*			*				
63 PCB 81	290	21.42	66670	0.74	156361	0.099467	PCB 81 % Rec = 101	-0.00174	165	no	1.027	-
	TCB 292	21.43	89691	yes					167			
64 PCB 77	290	21.87	64853	0.75	151475	0.096933	PCB 77 % Rec = 99	-0.00166	155	no	1.077	-
	TCB 292	21.87	86622	yes					158			
65 PCB 104	326	15.92	50035	1.59	81557	0.100825	PCB 104 % Rec = 103	-0.00037	674	no	1.094	-
	PeCB 328	15.94	31523	yes					662			
66 PCB 96	326	NotFnd	*	*	*	-0.00047	-0.00047	*	no	0.874	-	
	PeCB 328	16.16	*	no	*			*				
67 PCB 103	326	NotFnd	*	*	*	-0.00239	-0.00239	*	no	0.739	-	
	PeCB 328	17.33	*	no	*			*				
68 PCB 94	326	NotFnd	*	*	*	-0.00327	-0.00327	*	no	0.54	-	
	PeCB 328	17.47	*	no	*			*				
69 PCB 95	326	NotFnd	*	*	*	-0.00259	-0.00259	*	no	0.683	-	
	PeCB 328	17.77	*	no	*			*				
70 PCB 100/93/102/98	326	NotFnd	*	*	*	-0.00285	-0.00285	*	no	0.619	-	
	PeCB 328	17.93	*	no	*			*				
71 PCB 88/91	326	NotFnd	*	*	*	-0.00283	-0.00283	*	no	0.625	-	
	PeCB 328	18.31	*	no	*			*				
72 PCB 84	326	NotFnd	*	*	*	-0.00331	-0.00331	*	no	0.534	-	
	PeCB 328	18.50	*	no	*			*				
73 PCB 89	326	NotFnd	*	*	*	-0.00303	-0.00303	*	no	0.582	-	
	PeCB 328	18.84	*	no	*			*				
74 PCB 121	326	NotFnd	*	*	*	-0.00232	-0.00232	*	no	0.761	-	
	PeCB 328	19.08	*	no	*			*				
75 PCB 92	326	NotFnd	*	*	*	-0.00295	-0.00295	*	no	0.598	-	
	PeCB 328	19.35	*	no	*			*				
76 PCB 113/90/101	326	NotFnd	*	*	*	-0.00249	-0.00249	*	no	0.71	-	
	PeCB 328	19.76	*	no	*			*				
77 PCB 83/99	326	NotFnd	*	*	*	-0.00284	-0.00284	*	no	0.623	-	
	PeCB 328	20.22	*	no	*			*				
78 PCB 112	326	NotFnd	*	*	*	-0.00216	-0.00216	*	no	0.819	-	
	PeCB 328	20.33	*	no	*			*				
79 PCB 109/119/86/97/125/326	326	NotFnd	*	*	*	-0.00243	-0.00243	*	no	0.726	-	
	PeCB 328	20.62	*	no	*			*				
80 PCB 117/116/85	326	NotFnd	*	*	*	-0.00222	-0.00222	*	no	0.796	-	
	PeCB 328	21.23	*	no	*			*				
81 PCB 110/115	326	NotFnd	*	*	*	-0.00236	-0.00236	*	no	0.75	-	
	PeCB 328	21.32	*	no	*			*				
82 PCB 82	326	NotFnd	*	*	*	-0.00313	-0.00313	*	no	0.564	-	
	PeCB 328	21.59	*	no	*			*				
83 PCB 111	326	NotFnd	*	*	*	-0.00218	-0.00218	*	no	0.809	-	
	PeCB 328	21.85	*	no	*			*				
84 PCB 120	326	NotFnd	*	*	*	-0.00186	-0.00186	*	no	0.951	-	
	PeCB 328	22.25	*	no	*			*				
85 PCB 108/124	326	NotFnd	*	*	*	-0.00067	-0.00067	*	no	1.122	-	
	PeCB 328	23.21	*	no	*			*				
86 PCB 107	326	NotFnd	*	*	*	-0.00066	-0.00066	*	no	1.147	-	
	PeCB 328	23.40	*	no	*			*				
87 PCB 123	326	23.51	78179	1.56	128264	0.097513	PCB 123 % Rec = 100	-0.00084	348	no	0.894	-
	PeCB 328	23.51	50085	yes					342			
88 PCB 106	326	NotFnd	*	*	*	-0.00062	-0.00062	*	no	1.218	-	
	PeCB 328	23.63	*	no	*			*				
89 PCB 118	326	23.79	90077	1.54	148681	0.104515	PCB 118 % Rec = 107	-0.00077	405	no	0.981	-
	PeCB 328	23.80	58604	yes					402			







184 PCB 188L	406	24.20	85443	1.07	165383	0.149293	0	5101	no	1.329	76
	408	24.21	79940	yes				5129			
185 PCB 180L	406	32.09	82362	1.08	158498	0.169095	0	3247	no	1.349	86
	408	32.11	76136	yes				4177			
186 PCB 170L	406	33.42	74242	1.08	142740	0.174017	0	2879	no	1.18	89
	408	33.44	68498	yes				3686			
187 PCB 189L	406	36.84	151801	1.06	294881	0.19666	0	2933	no	2.157	100
	408	36.85	143081	yes				3545			
188 PCB 202L	440	29.23	71285	0.91	149548	0.151579	0	6802	no	1.419	77
	442	29.29	78263	yes				3773			
189 PCB 205L	440	39.76	89430	0.93	185554	0.174335	0	2422	no	1.531	89
	442	39.75	96124	yes				2254			
190 PCB 208L	474	36.29	59074	0.78	135196	0.170708	0	2429	no	1.139	87
	476	36.30	76122	yes				2955			
191 PCB 206L	474	41.73	46167	0.83	101603	0.192455	0	1784	yes	0.76	98
	476	41.75	55436	yes				2094			
192 PCB 209L	510	43.56	55120	1.21	100882	0.200381	0	4582	no	0.724	102
	512	43.56	45761	yes				2946			
193 PCB 28L	268	14.41	219367	1.05	427723	0.221057	0.001	643	no	2.039	113
PCB Cleanup Standard	270	14.41	208355	yes				774			
194 PCB 111L	338	21.83	139666	1.67	223517	0.197959	0	3540	no	1.343	101
PCB Cleanup Standard	340	21.84	83851	yes				2844			
195 PCB 178L	406	26.98	61022	1.05	118877	0.194643	0	3530	no	0.733	99
PCB Cleanup Standard	408	26.97	57855	yes				3529			
196 PCB 31L	268	NotFnd	*	*	*		0.001		no	1.934	
PCB Audit Standard	270	14.24	*	no							
197 PCB 95L	338	NotFnd	*	*	*		0		no	0.946	
PCB Audit Standard	340	17.73	*	no							
198 PCB 153L	372	25.41	2655	1.5	4422	0.004332	0.001	56	no	1.225	2
PCB Audit Standard	374	25.40	1767	no				15			
199 PCB 9L	234	11.18	1199864	1.61	1947162	9.794257	-	11898	no	-	-
PCB Recovery Standard	236	11.19	747298	yes				28482			
200 PCB 52L	302	15.35	414489	0.8	929807	7.228717	-	5133	no	-	-
PCB Recovery Standard	304	15.36	515317	yes				8082			
201 PCB 101L	338	19.77	507274	1.6	823875	7.360992	-	13565	no	-	-
PCB Recovery Standard	340	19.76	316601	yes				11402			
202 PCB 138L	372	26.57	461424	1.3	816611	7.44383	-	9837	no	-	-
PCB Recovery Standard	374	26.56	355187	yes				2891			
203 PCB 194L	440	39.21	328128	0.93	681143	6.182559	-	8547	no	-	-
PCB Recovery Standard	442	39.17	353016	yes				8109			
Chlorobiphenyls						0.198308	2	-0.00053			
Dichlorobiphenyls						0.214546	2	-0.0048			
Trichlorobiphenyls						0.417031	4	-0.00425			
Tetrachlorobiphenyls						0.294675	3	-0.00258			
Pentachlorobiphenyls						0.594407	6	-0.00331			
Hexachlorobiphenyls						0.497809	4	-0.00333			
Heptachlorobiphenyls						0.548138	6	-0.00286			
Octachlorobiphenyls						0.194631	2	-0.00361			
Nonachlorobiphenyls						0.19334	2	-0.00237			
Decachlorobiphenyl						0.151285	1	-0.00424			
PCB (total)						3.30417					

Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

Method: C:\MassLynx\Default.pro\Methdb\EPA 1668\_M2160218D.mdb 19 Feb 2016 12:12:31

Calibration: C:\MassLynx\Default.pro\Curvedb\M2160218D\_209.cdb 19 Feb 2016 11:38:57

ID: WS#4386412/4378609, Ti

Description: SPIKE

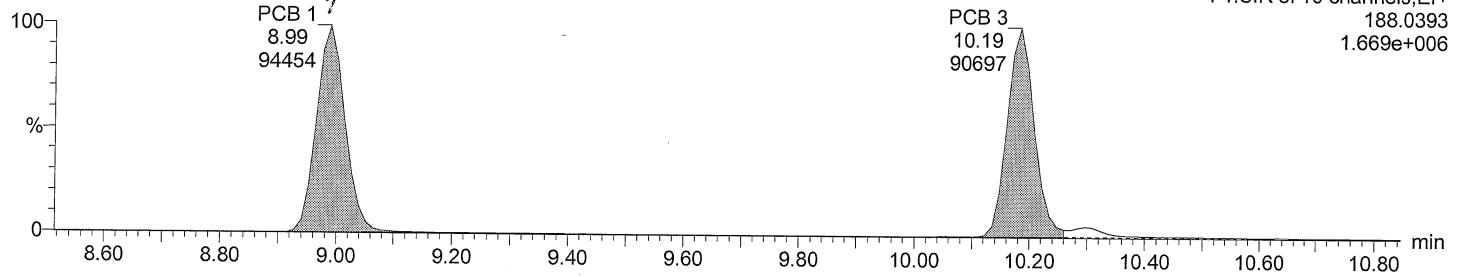
Vial: 3

Date: 18-FEB-2016

Time: 20:07:44

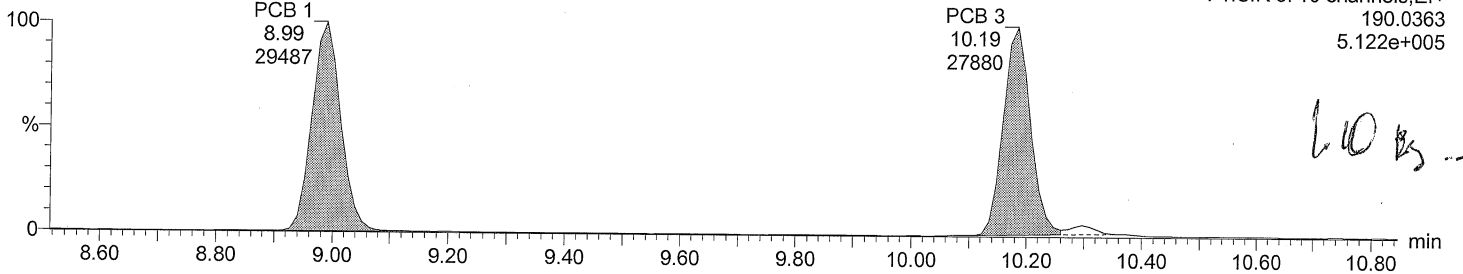
Total MoCB F1

M2160218DS003 Smooth(SG,3x1)



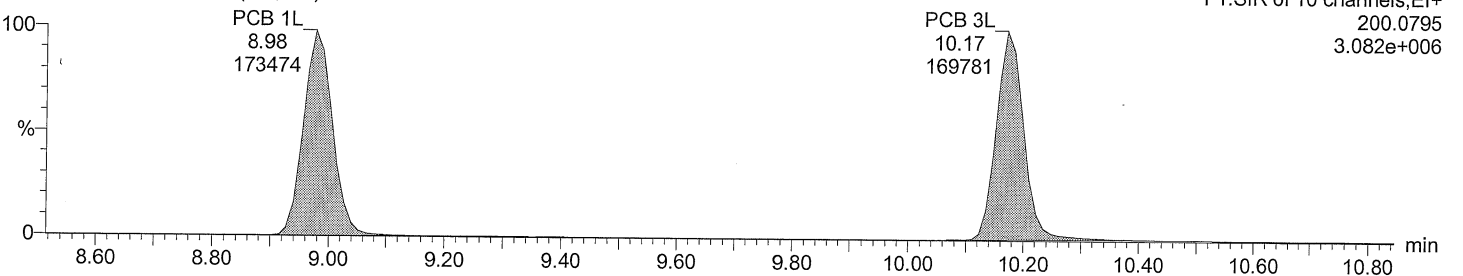
Total MoCB F1

M2160218DS003 Smooth(SG,3x1)



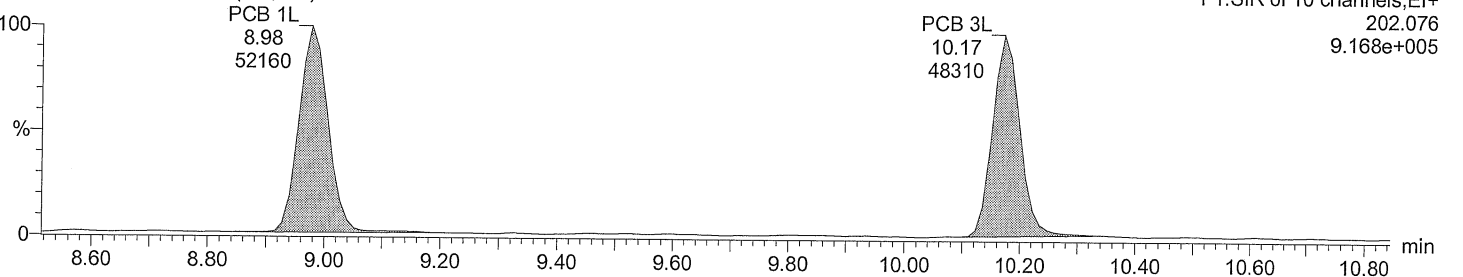
Total MoCB labeled F1

M2160218DS003 Smooth(SG,3x1)



Total MoCB labeled F1

M2160218DS003 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

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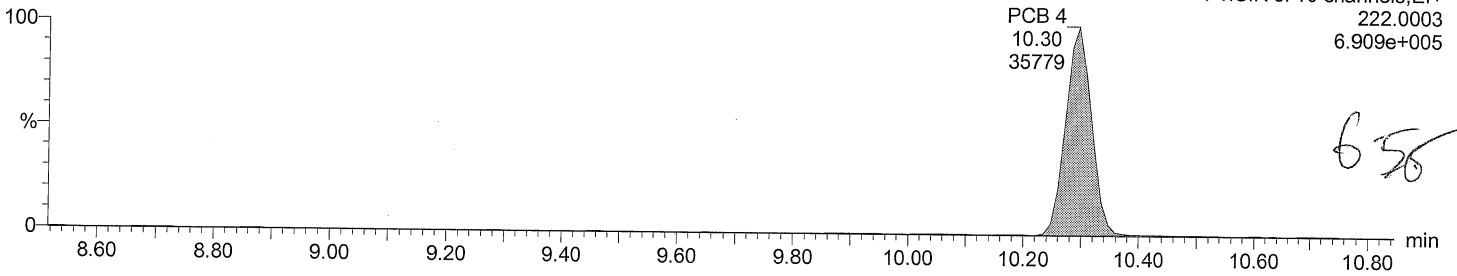
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Time: 20:07:44

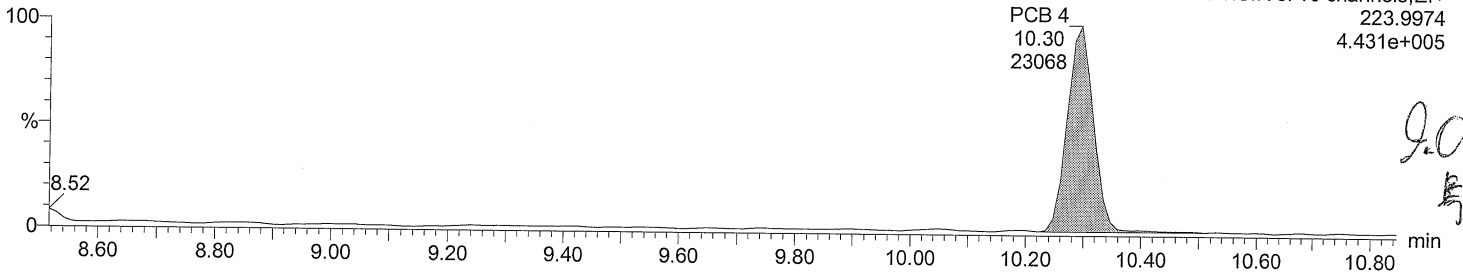
Total DiCB F1

M2160218DS003 Smooth(SG,3x1)



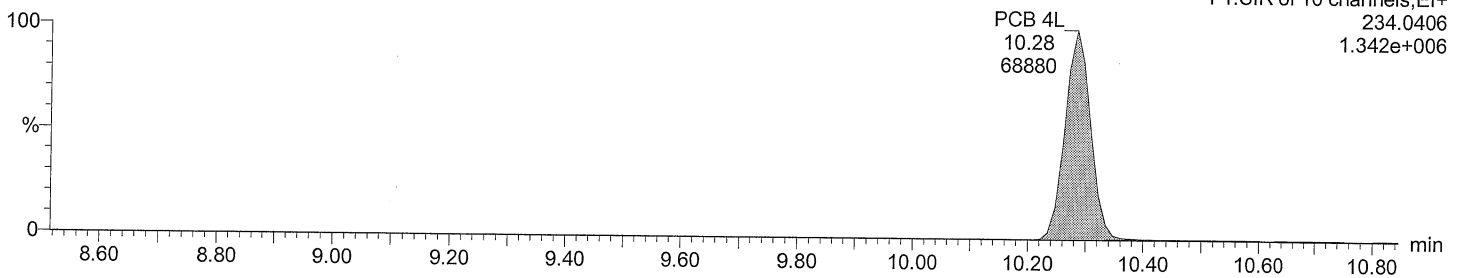
Total DiCB F1

M2160218DS003 Smooth(SG,3x1)



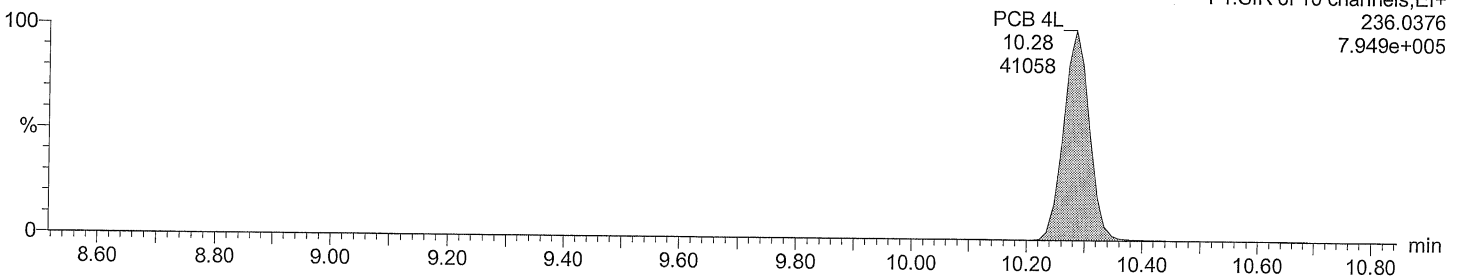
Total DiCB labeled F1

M2160218DS003 Smooth(SG,3x1)



Total DiCB labeled F1

M2160218DS003 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

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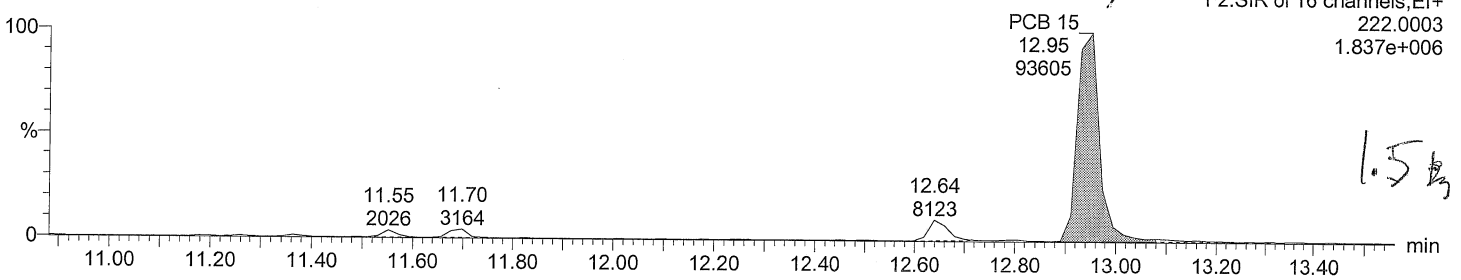
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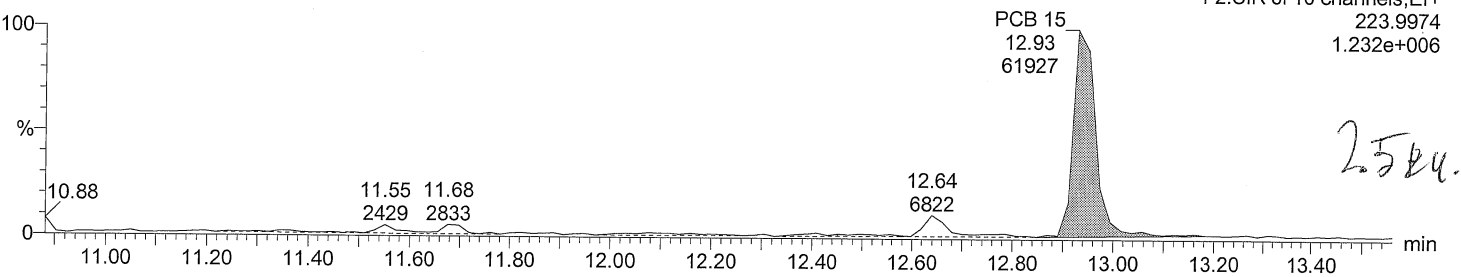
Total DiCB F2

M2160218DS003



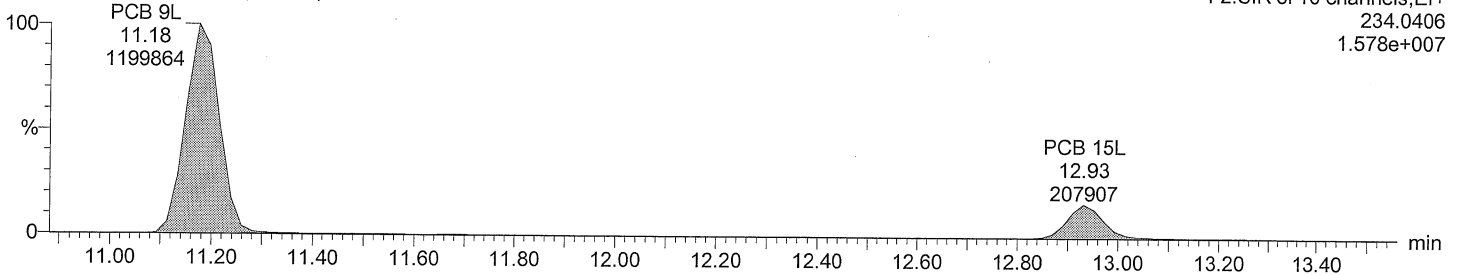
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M2160218DS003



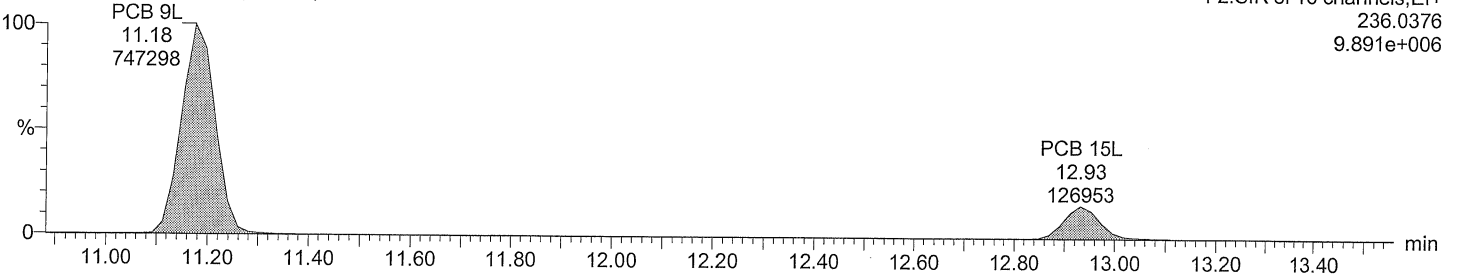
Total DiCB labeled F2

M2160218DS003 Smooth(SG,3x1)



Total DiCB labeled F2

M2160218DS003 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

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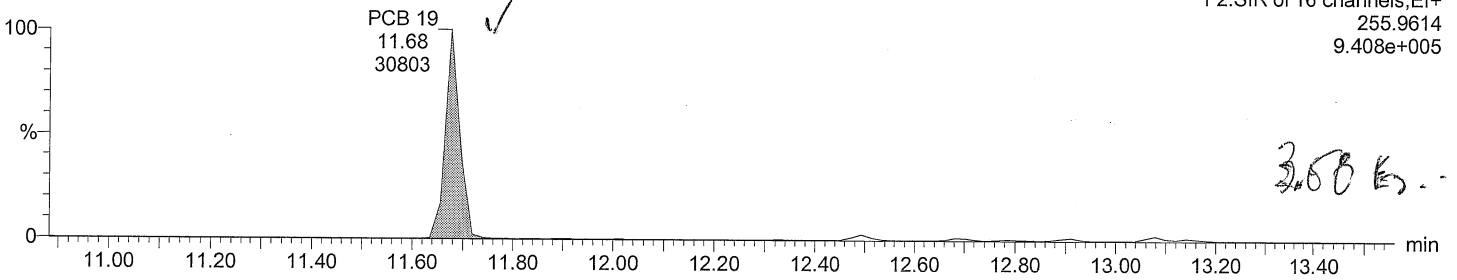
Vial: 3

Date: 18-FEB-2016

Time: 20:07:44

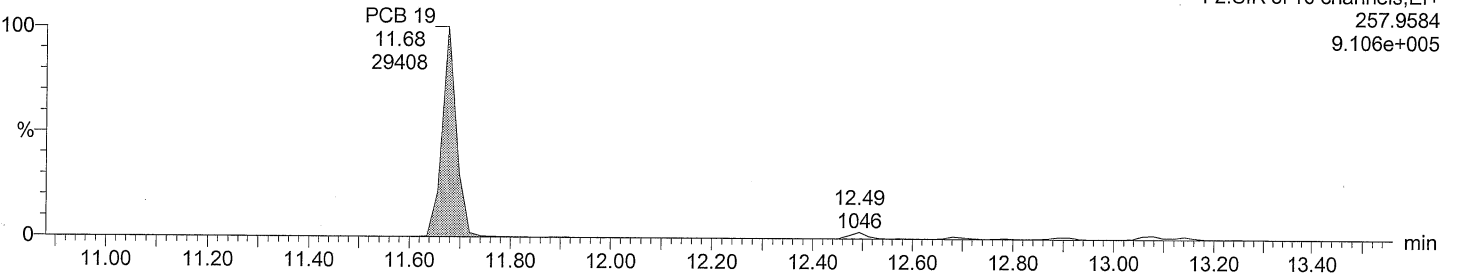
Total TriCB F2

M2160218DS003



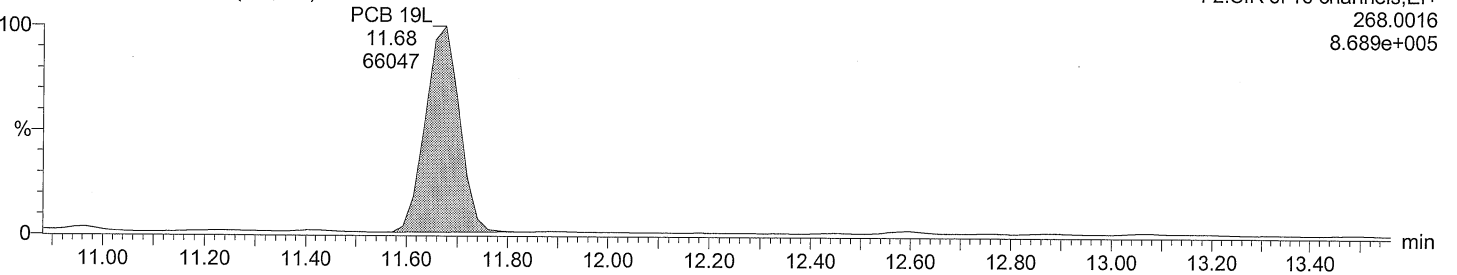
Total TriCB F2

M2160218DS003



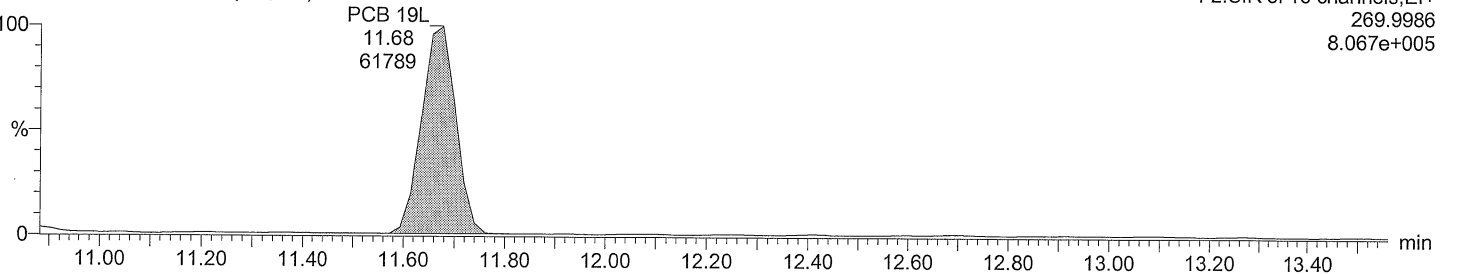
Total TriCB labeled F2

M2160218DS003 Smooth(SG,3x1)



Total TriCB labeled F2

M2160218DS003 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE

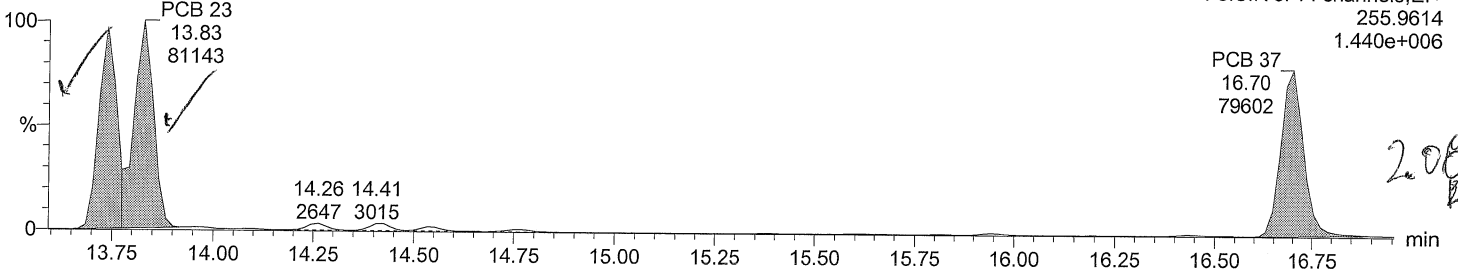
Vial: 3

Date: 18-FEB-2016

Time: 20:07:44

Total TriCB F3

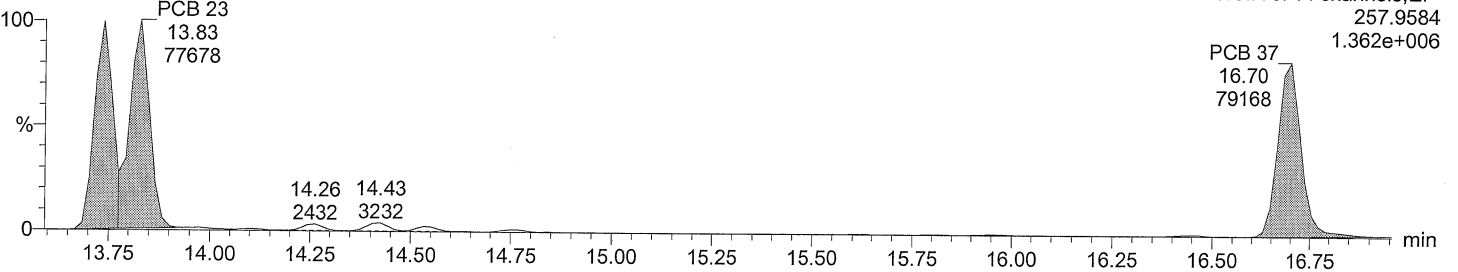
M2160218DS003 Smooth(SG,1x1)



F3:SIR of 14 channels,EI+  
255.9614  
1.440e+006

Total TriCB F3

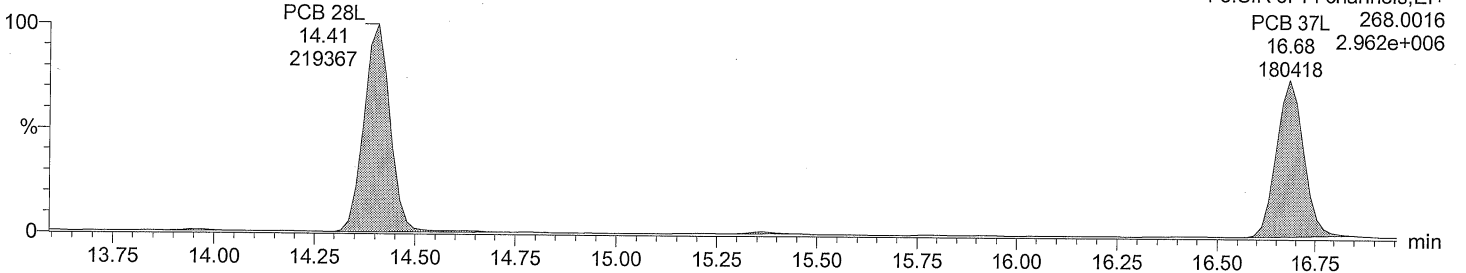
M2160218DS003 Smooth(SG,1x1)



F3:SIR of 14 channels,EI+  
257.9584  
1.362e+006

Total TriCB labeled F3

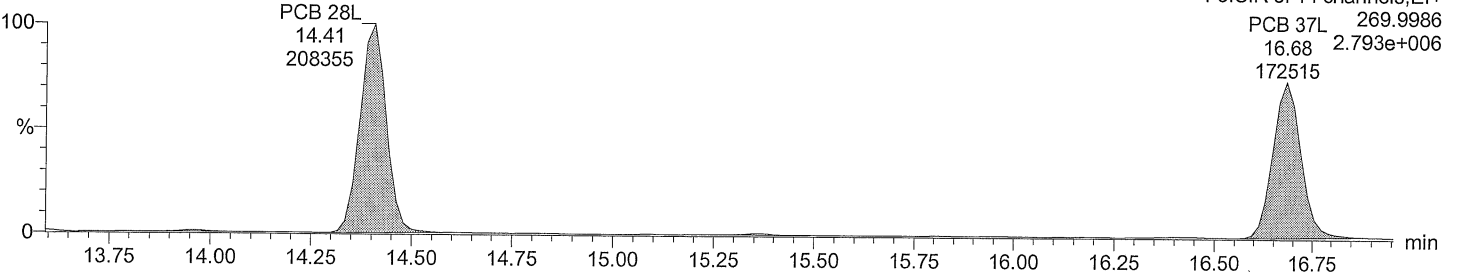
M2160218DS003 Smooth(SG,3x1)



F3:SIR of 14 channels,EI+  
PCB 37L 268.0016  
16.68 2.962e+006  
180418

Total TriCB labeled F3

M2160218DS003 Smooth(SG,3x1)



F3:SIR of 14 channels,EI+  
PCB 37L 269.9986  
16.68 2.793e+006  
172515

Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE

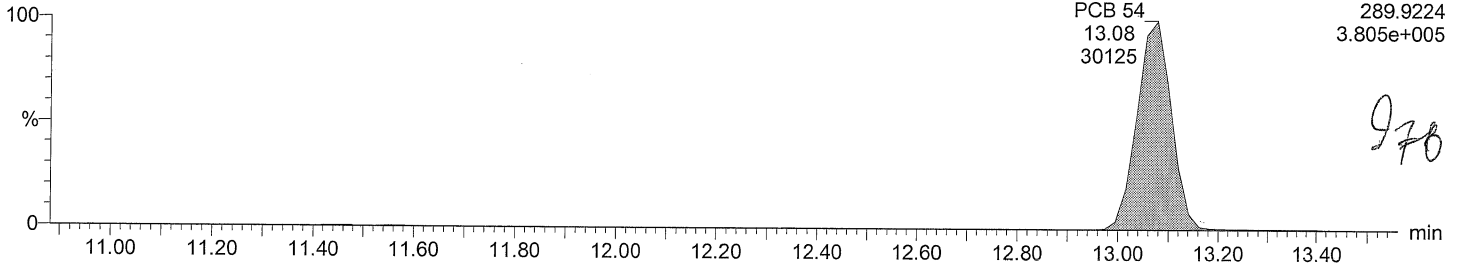
Vial: 3

Date: 18-FEB-2016

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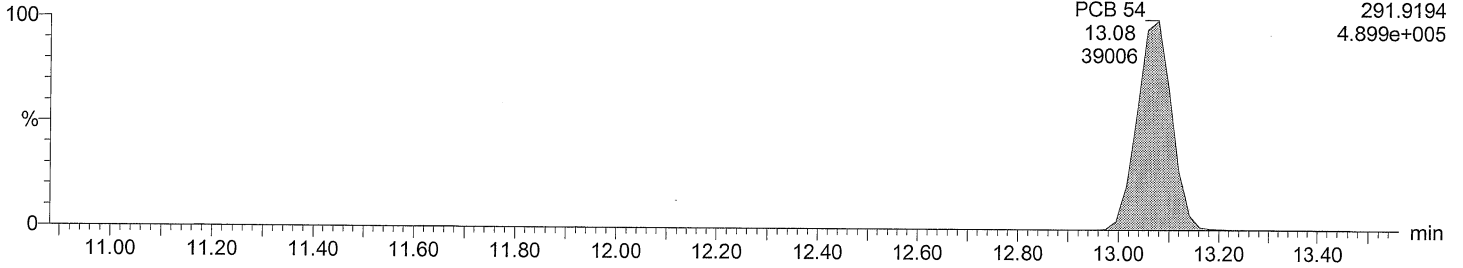
Total TeCB F2

M2160218DS003 Smooth(SG,3x1)



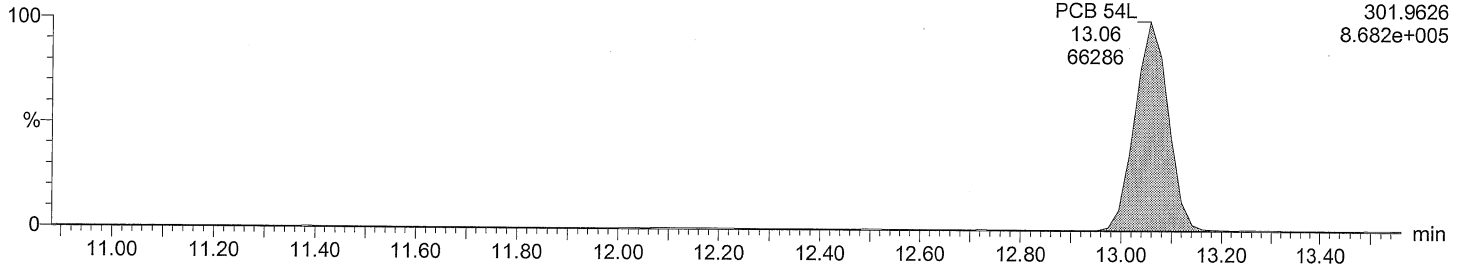
Total TeCB F2

M2160218DS003 Smooth(SG,3x1)



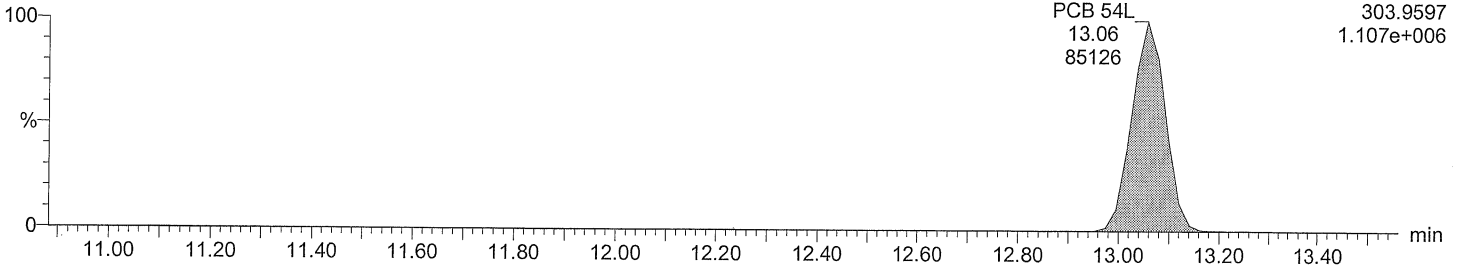
Total TeCB labeled F2

M2160218DS003 Smooth(SG,3x1)



Total TeCB labeled F2

M2160218DS003 Smooth(SG,3x1)



Acquired Date

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ID: WS#4386412/4378609, Ti

Description: SPIKE

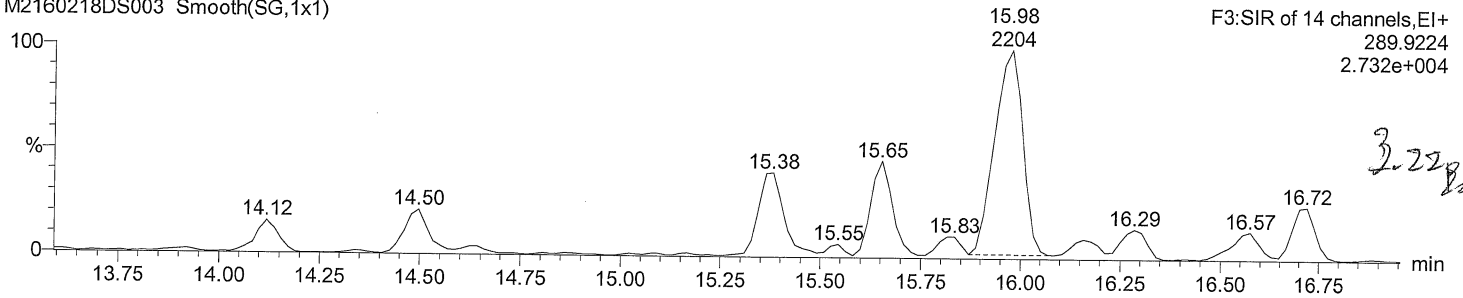
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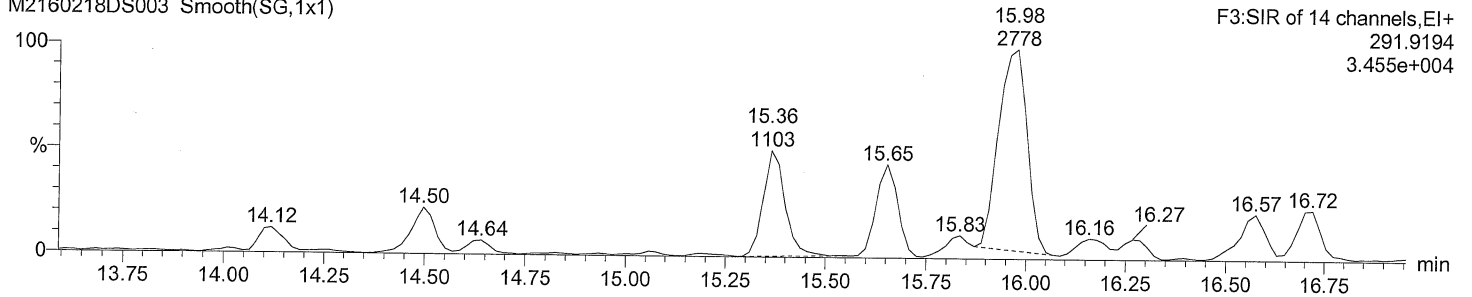
Total TeCB F3

M2160218DS003 Smooth(SG,1x1)



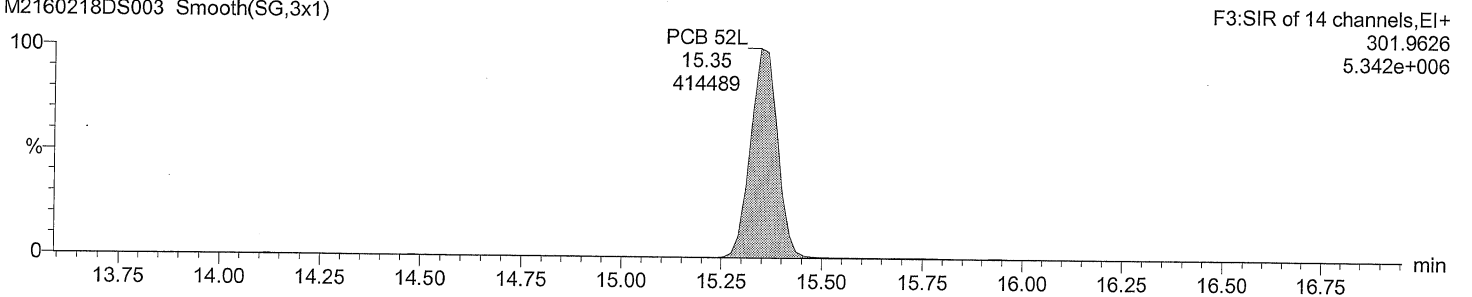
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M2160218DS003 Smooth(SG,1x1)



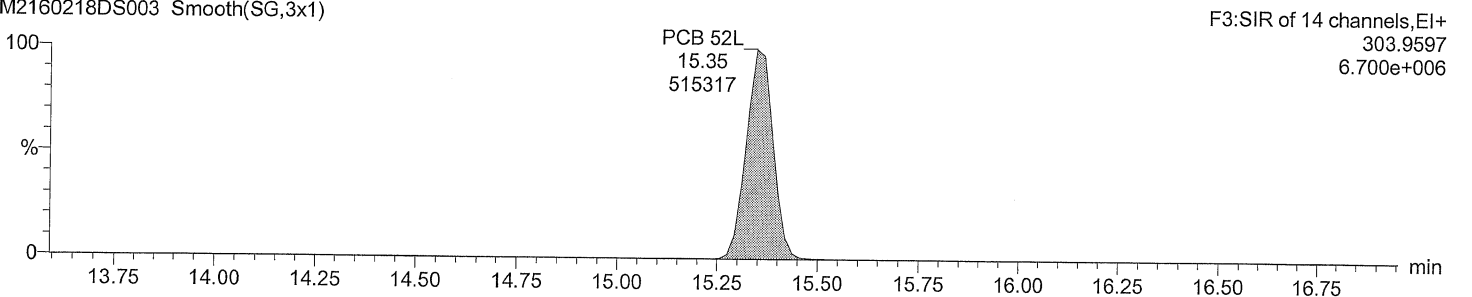
Total TeCB labeled F3

M2160218DS003 Smooth(SG,3x1)



Total TeCB labeled F3

M2160218DS003 Smooth(SG,3x1)





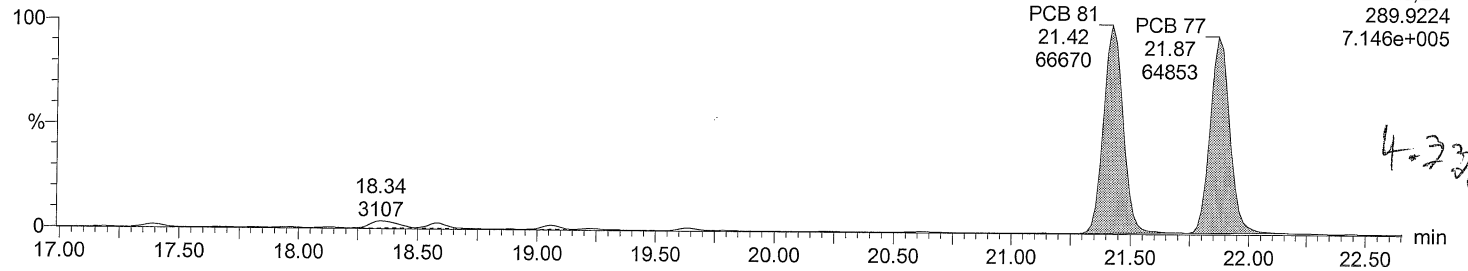
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Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

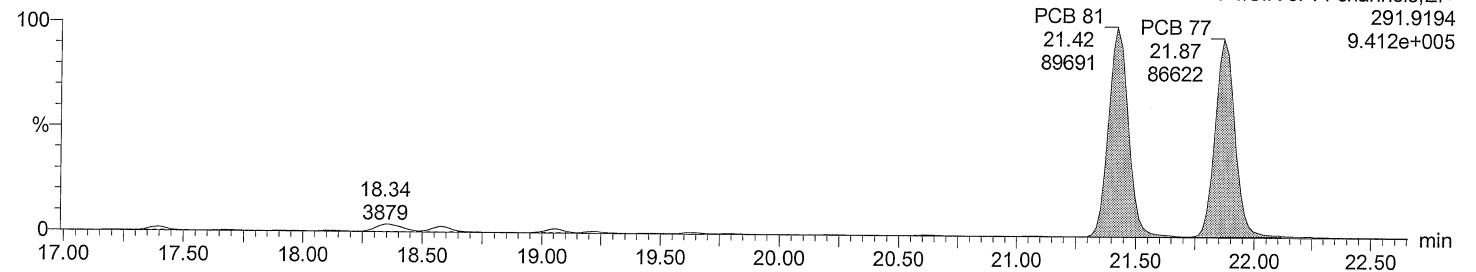
**Total TeCB F4**

M2160218DS003 Smooth(SG,3x1)



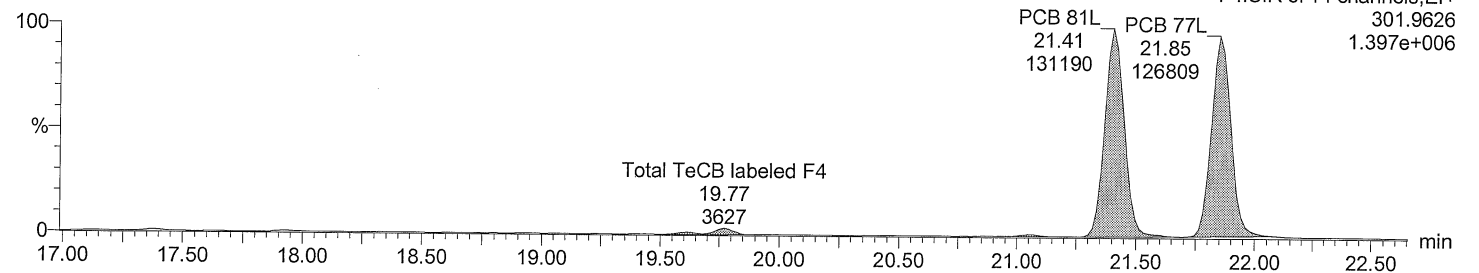
**Total TeCB F4**

M2160218DS003 Smooth(SG,3x1)



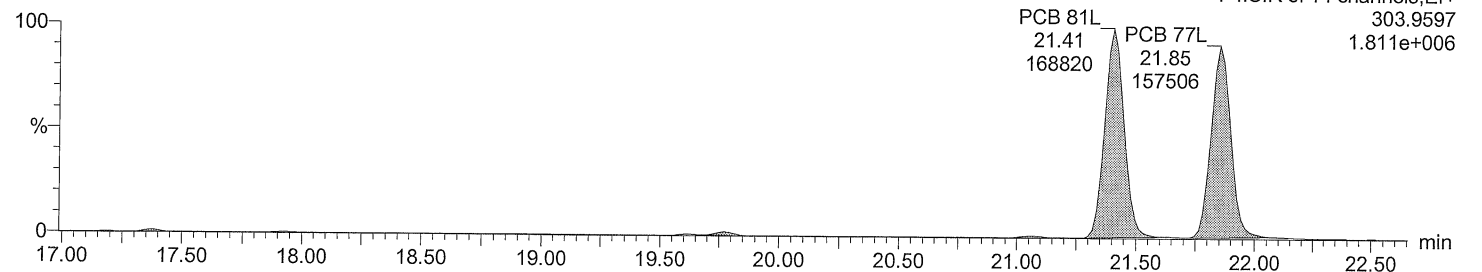
**Total TeCB labeled F4**

M2160218DS003 Smooth(SG,3x1)



**Total TeCB labeled F4**

M2160218DS003 Smooth(SG,3x1)



Acquired Date

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Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE

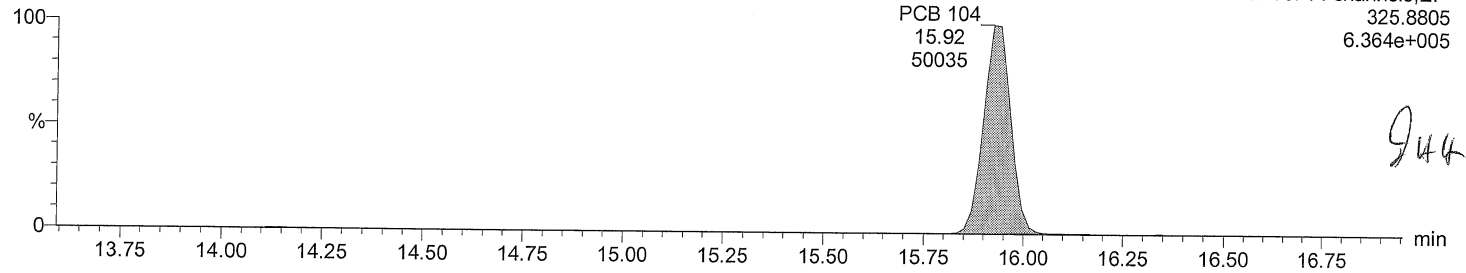
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Time: 20:07:44

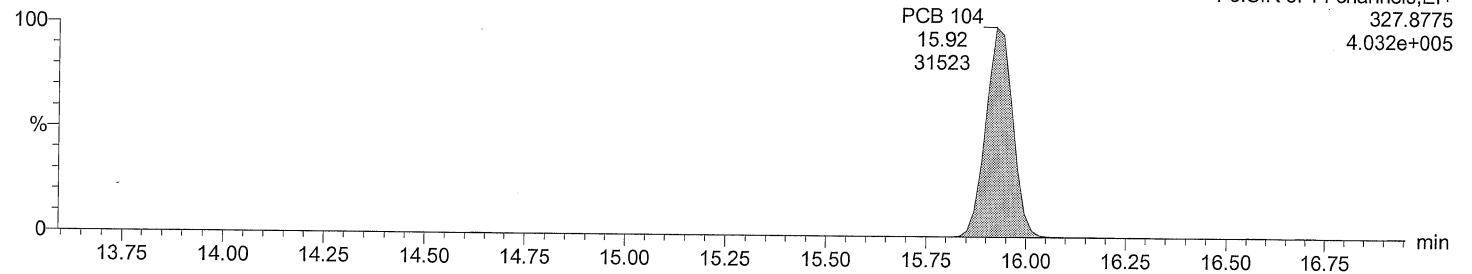
Total PeCB F3

M2160218DS003 Smooth(SG,3x1)



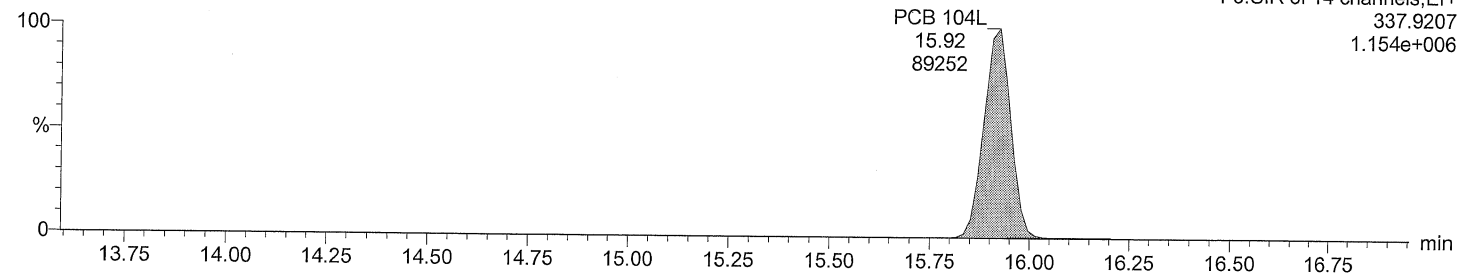
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M2160218DS003 Smooth(SG,3x1)



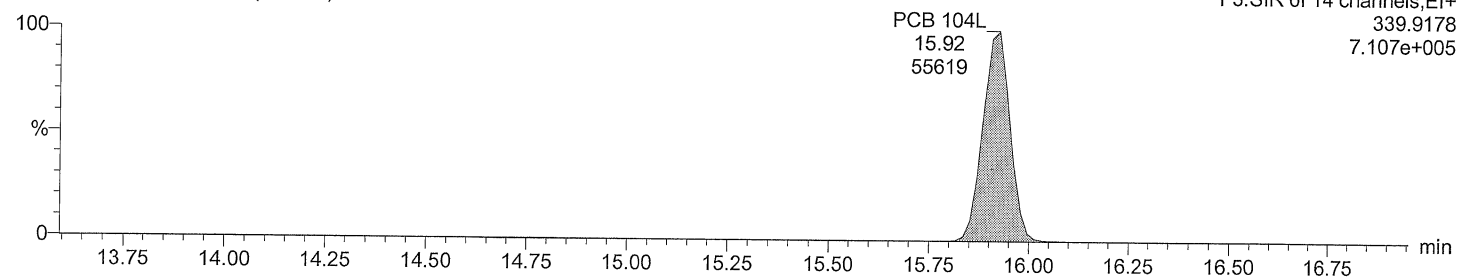
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M2160218DS003 Smooth(SG,3x1)



Total PeCB labeled F3

M2160218DS003 Smooth(SG,3x1)

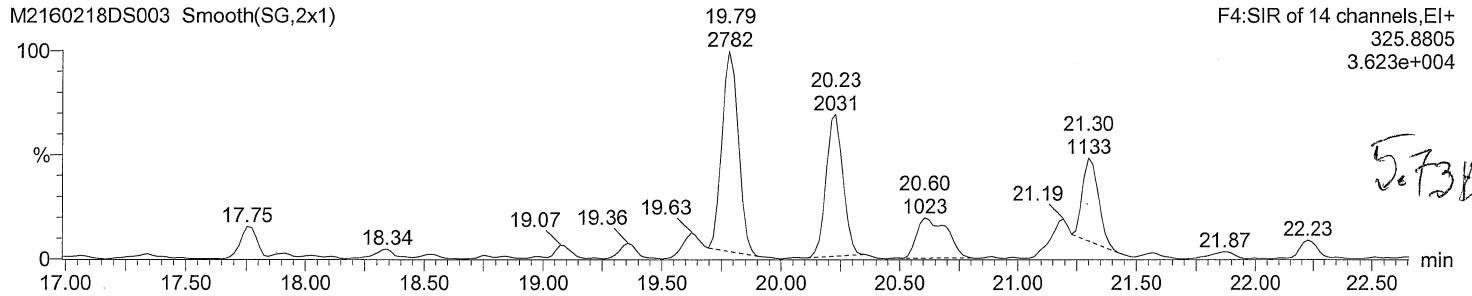


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Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

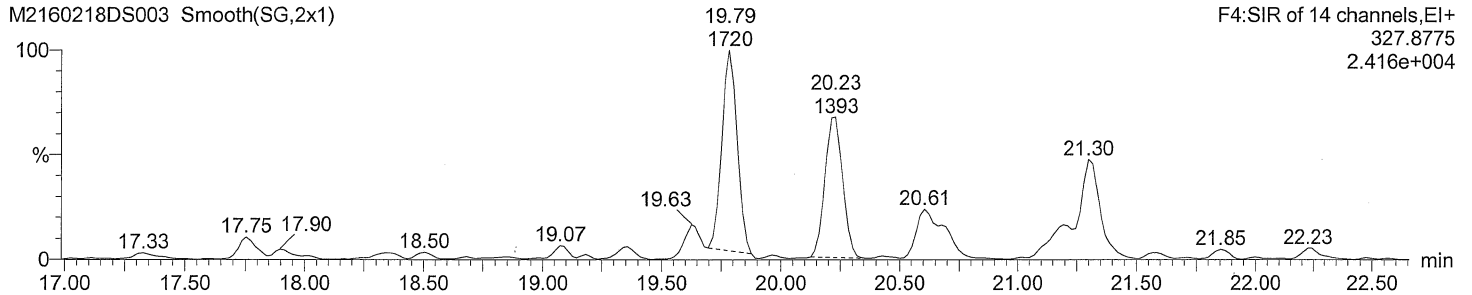
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M2160218DS003 Smooth(SG,2x1)



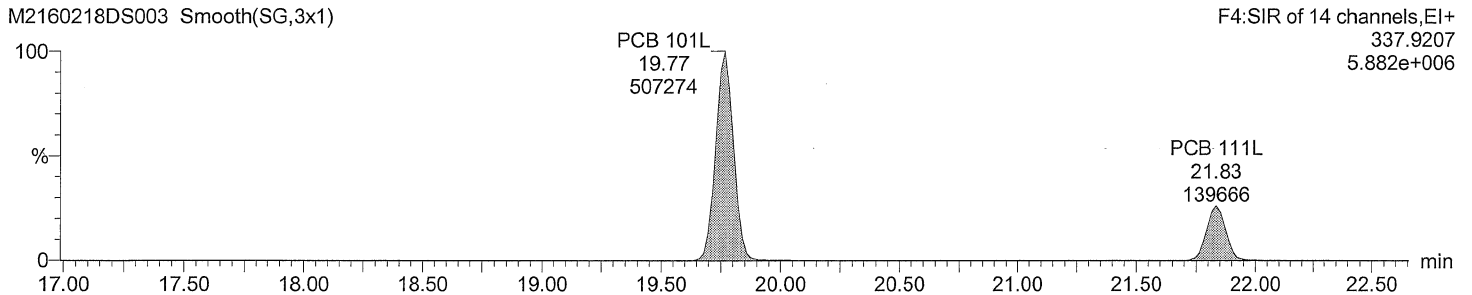
**Total PeCB F4**

M2160218DS003 Smooth(SG,2x1)



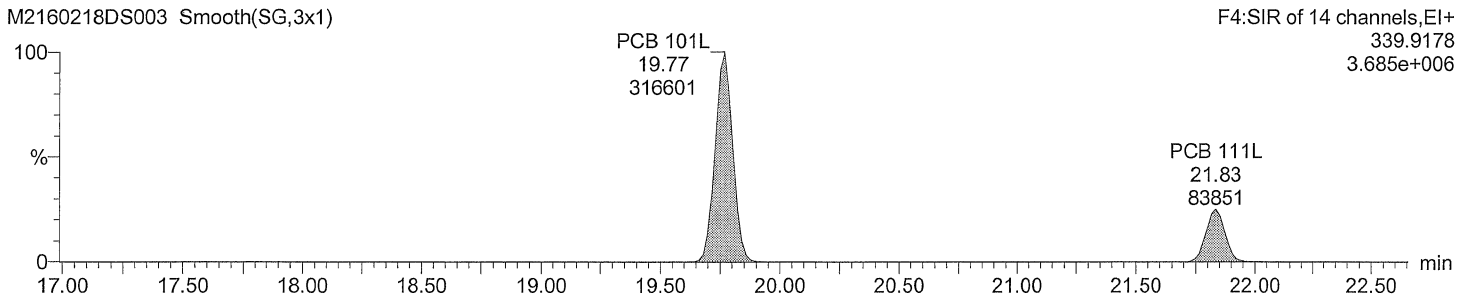
**Total PeCB labeled F4**

M2160218DS003 Smooth(SG,3x1)



**Total PeCB labeled F4**

M2160218DS003 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE

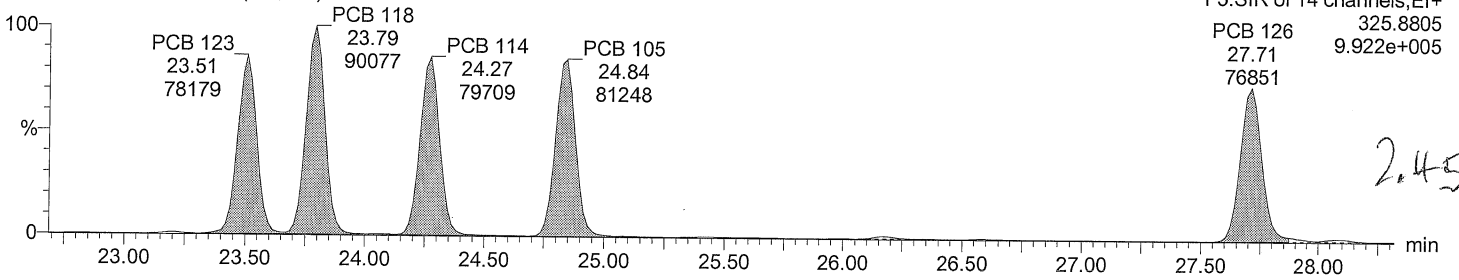
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Time: 20:07:44

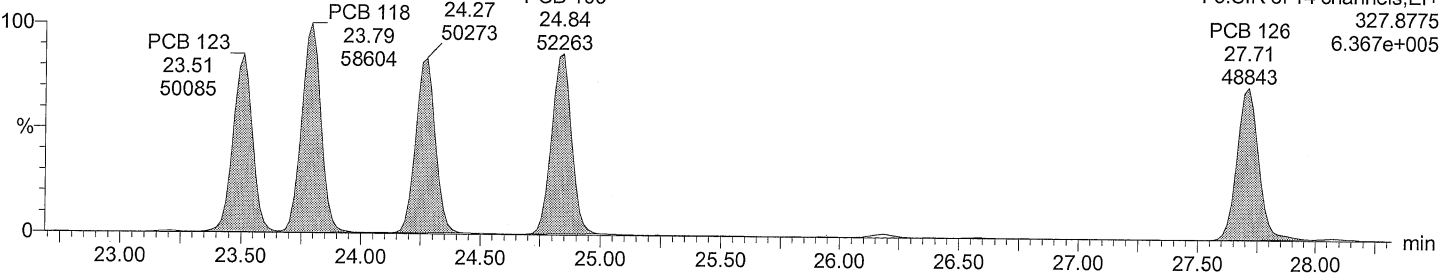
Total PeCB F5

M2160218DS003 Smooth(SG,2x1)



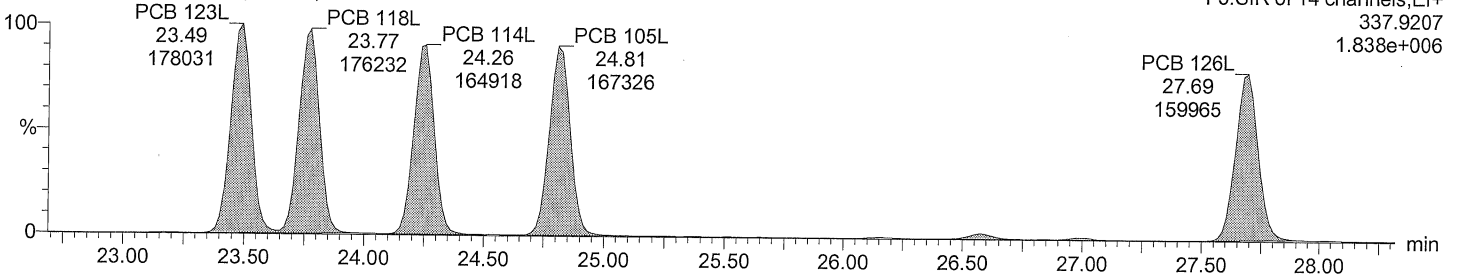
Total PeCB F5

M2160218DS003 Smooth(SG,2x1)



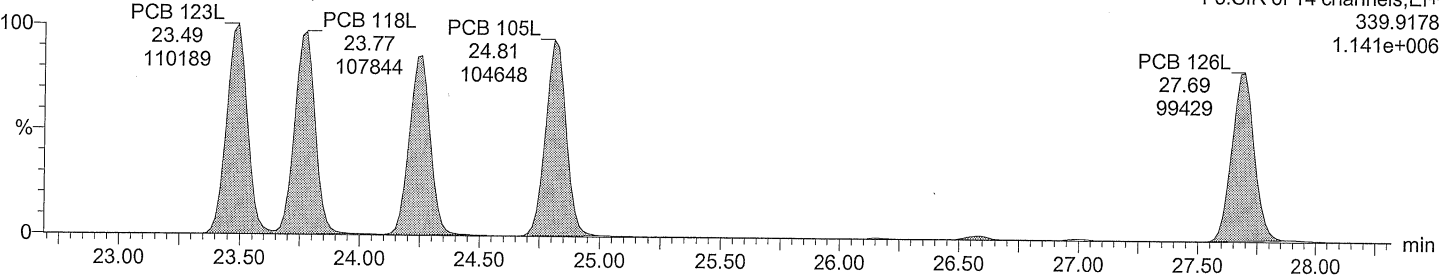
Total PeCB labeled F5

M2160218DS003 Smooth(SG,3x1)



Total PeCB labeled F5

M2160218DS003 Smooth(SG,3x1)



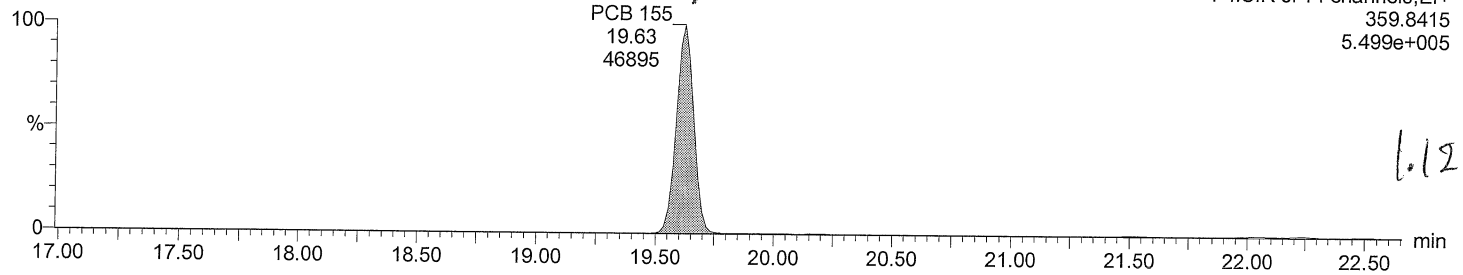
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Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

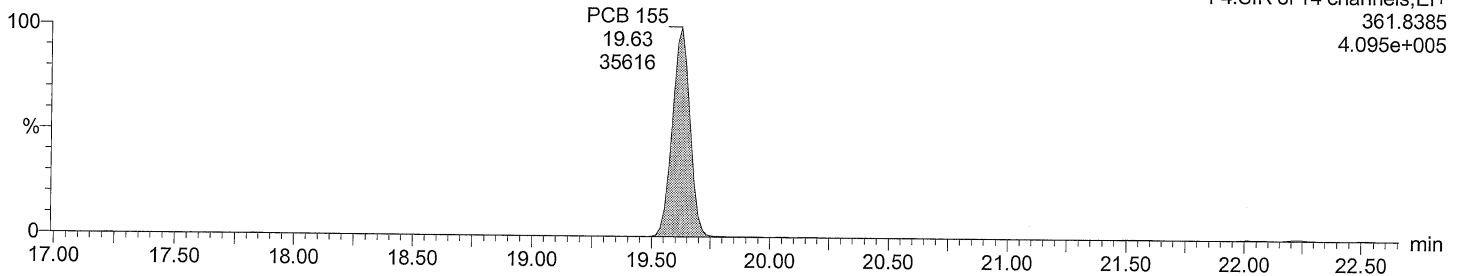
**Total HxCB F4**

M2160218DS003 Smooth(SG,3x1)



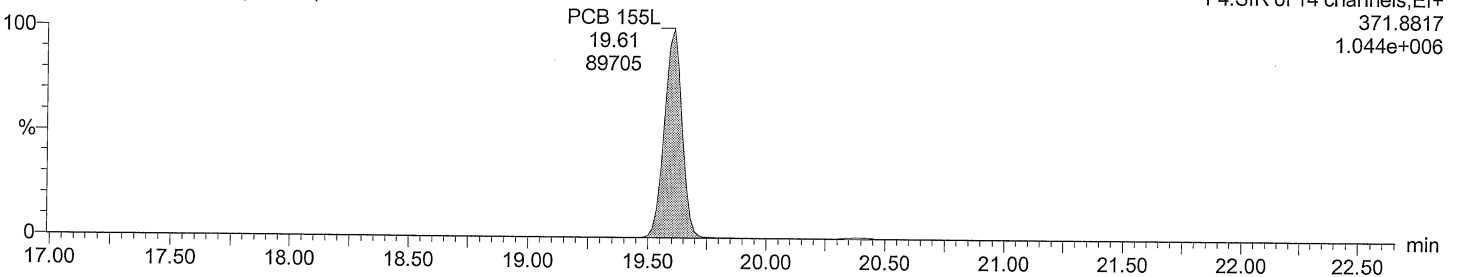
**Total HxCB F4**

M2160218DS003 Smooth(SG,3x1)



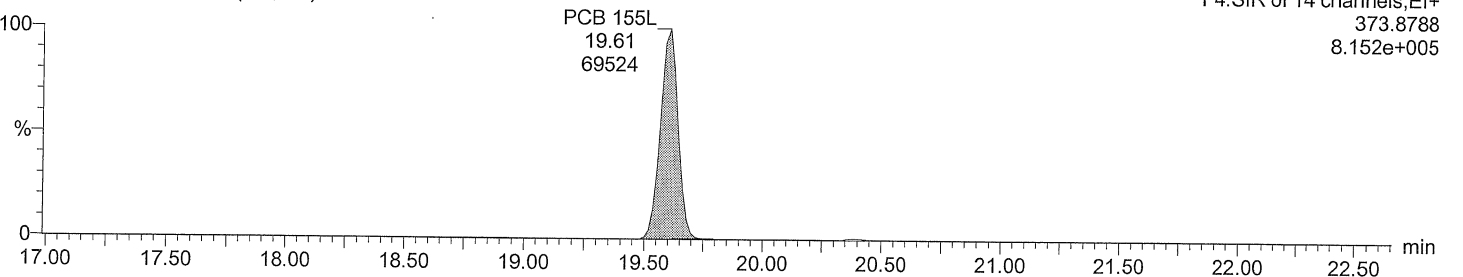
**Total HxCB labeled F4**

M2160218DS003 Smooth(SG,3x1)



**Total HxCB labeled F4**

M2160218DS003 Smooth(SG,3x1)



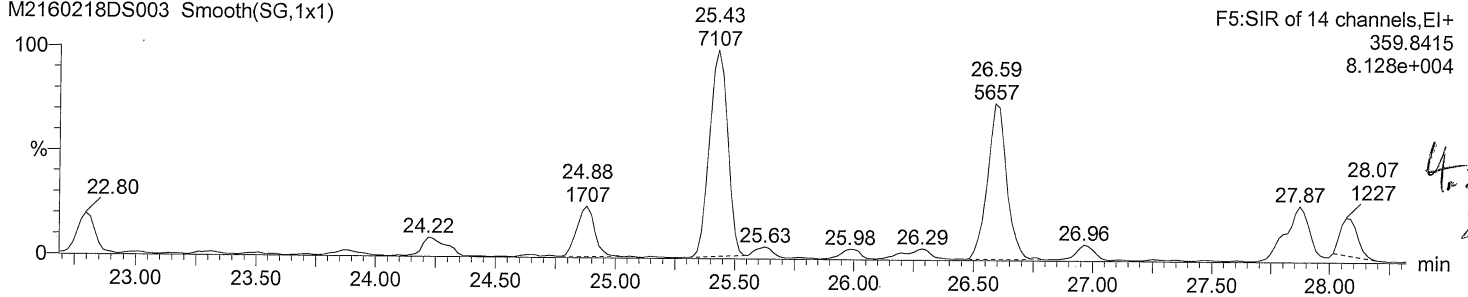
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Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

Total HxCB F5

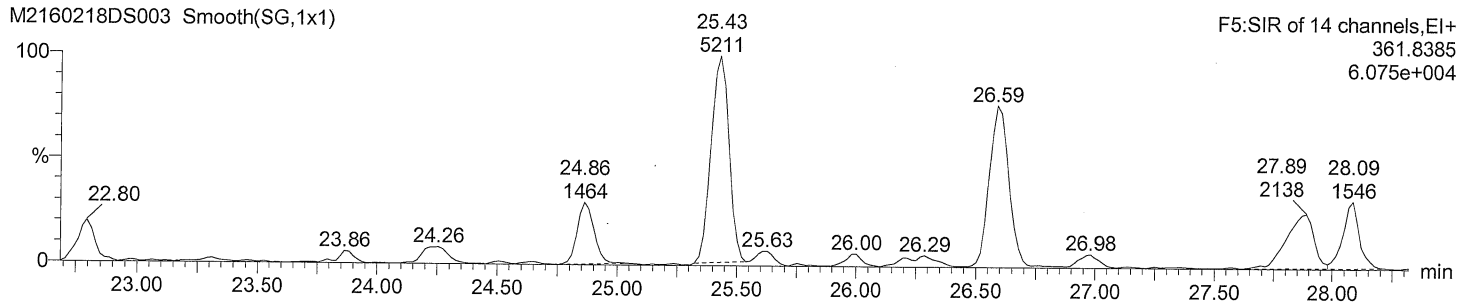
M2160218DS003 Smooth(SG,1x1)



4-24  
B

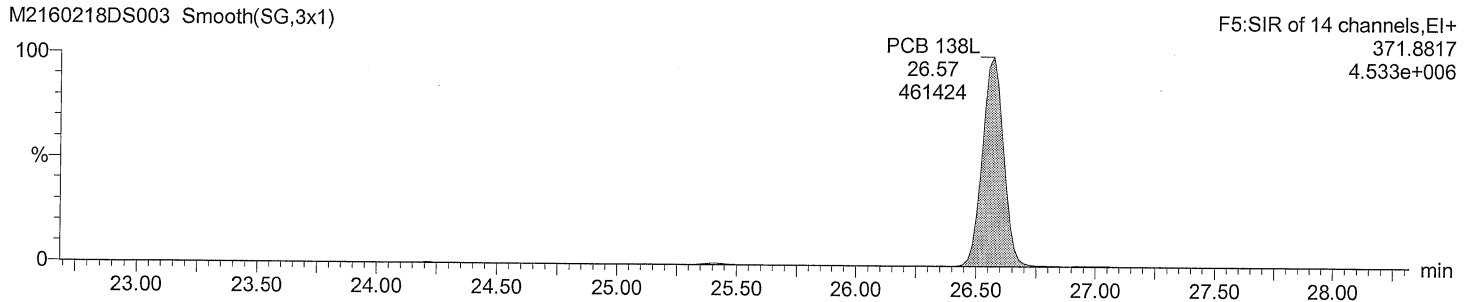
Total HxCB F5

M2160218DS003 Smooth(SG,1x1)



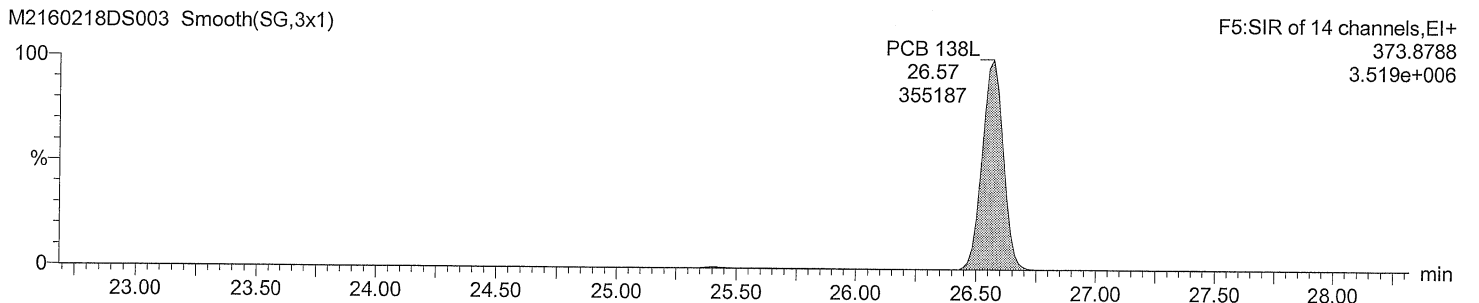
Total HxCB labeled F5

M2160218DS003 Smooth(SG,3x1)



Total HxCB labeled F5

M2160218DS003 Smooth(SG,3x1)

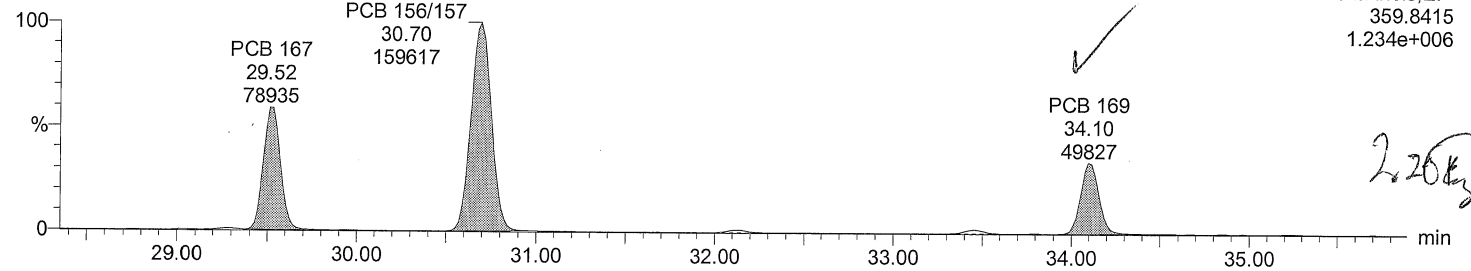


Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld  
Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

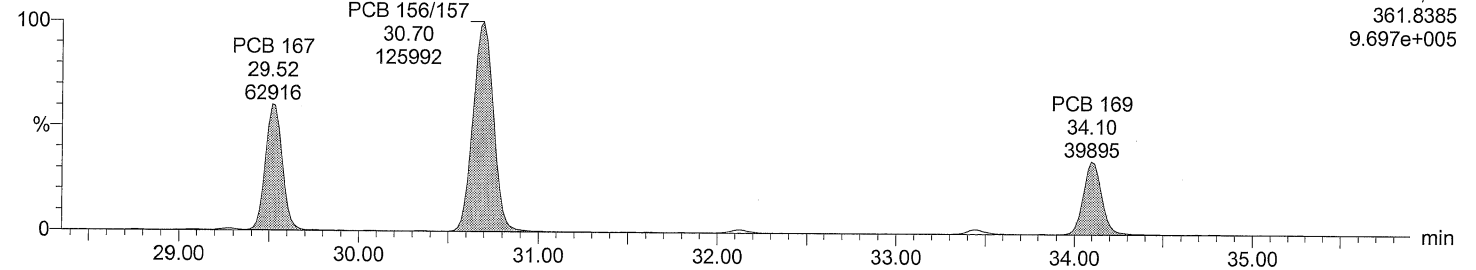
Total HxCB F6

M2160218DS003 Smooth(SG,3x1)



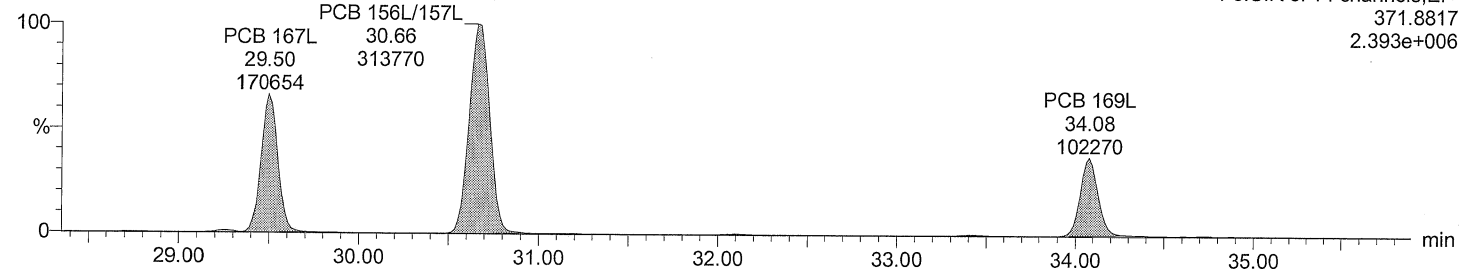
Total HxCB F6

M2160218DS003 Smooth(SG,3x1)



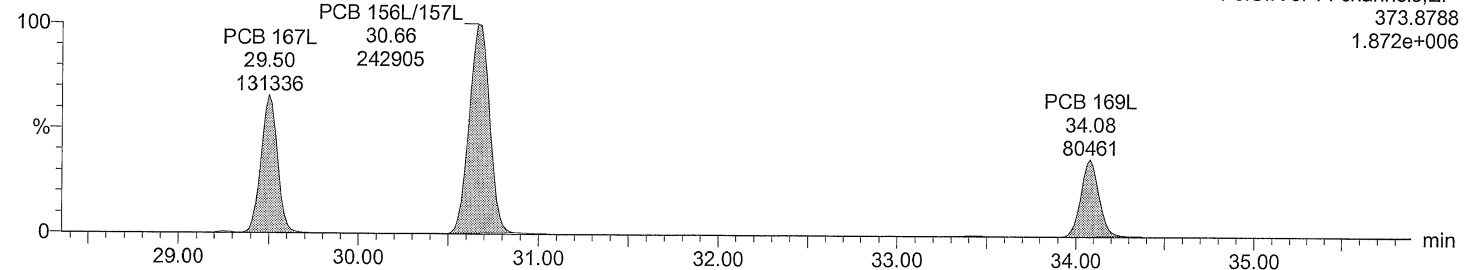
Total HxCB labeled F6

M2160218DS003 Smooth(SG,3x1)



Total HxCB labeled F6

M2160218DS003 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE

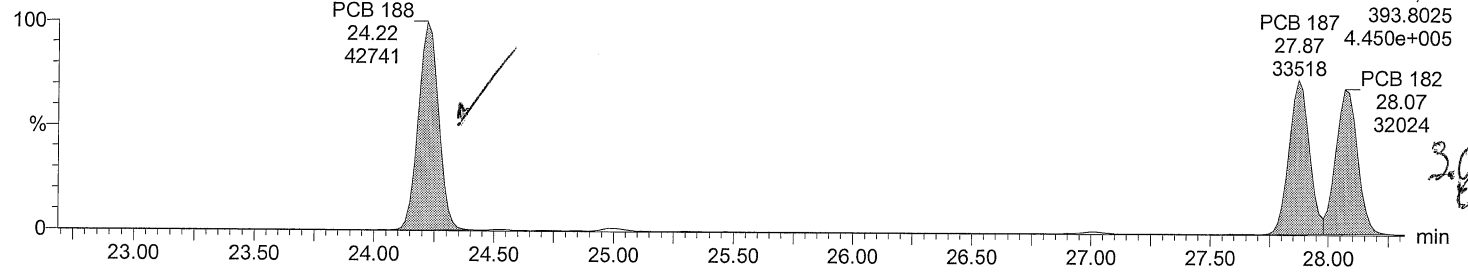
Vial: 3

Date: 18-FEB-2016

Time: 20:07:44

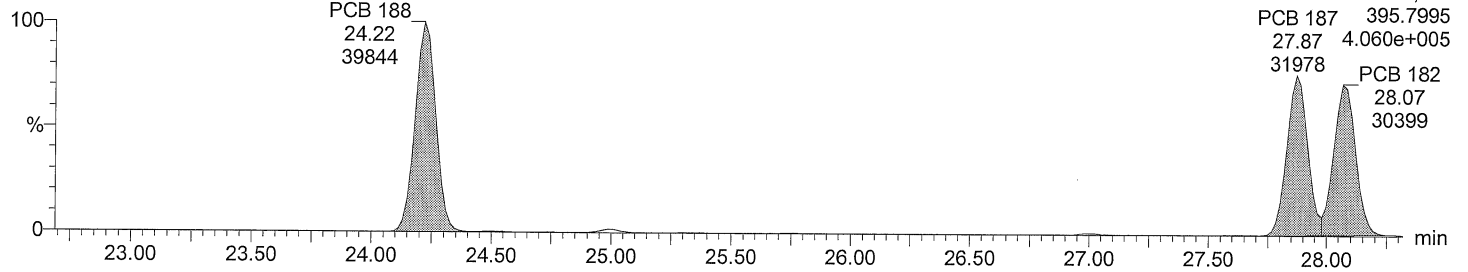
Total HpCB F5

M2160218DS003 Smooth(SG,3x1)



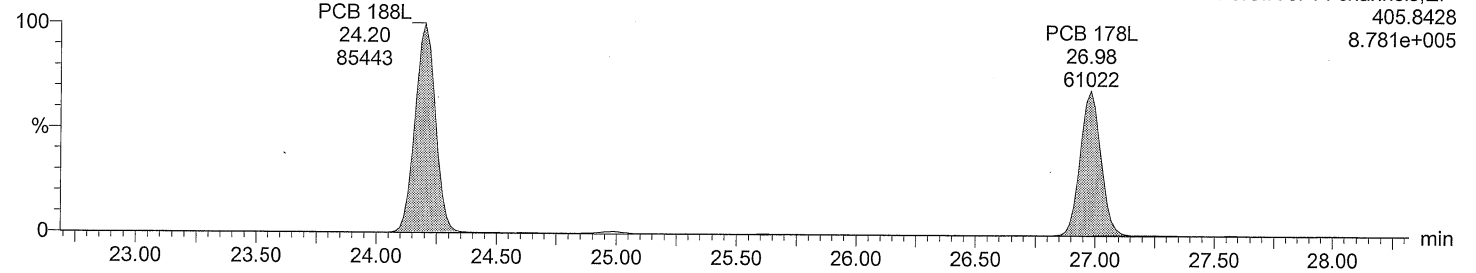
Total HpCB F5

M2160218DS003 Smooth(SG,3x1)



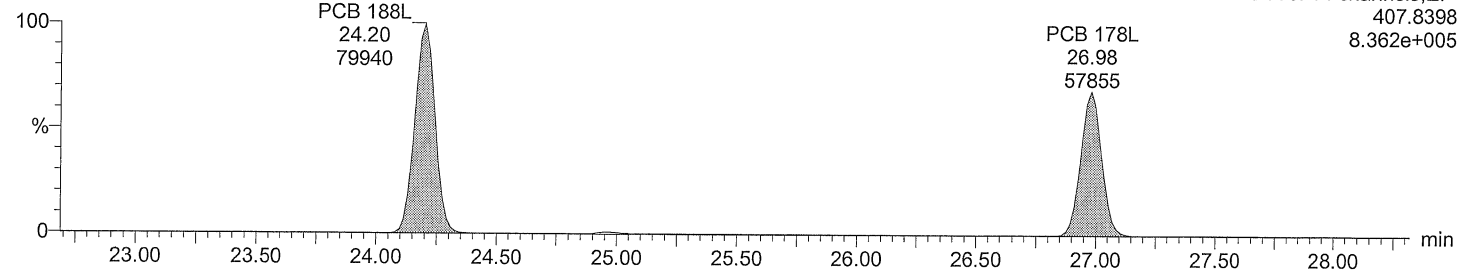
Total HpCB labeled F5

M2160218DS003 Smooth(SG,3x1)



Total HpCB labeled F5

M2160218DS003 Smooth(SG,3x1)





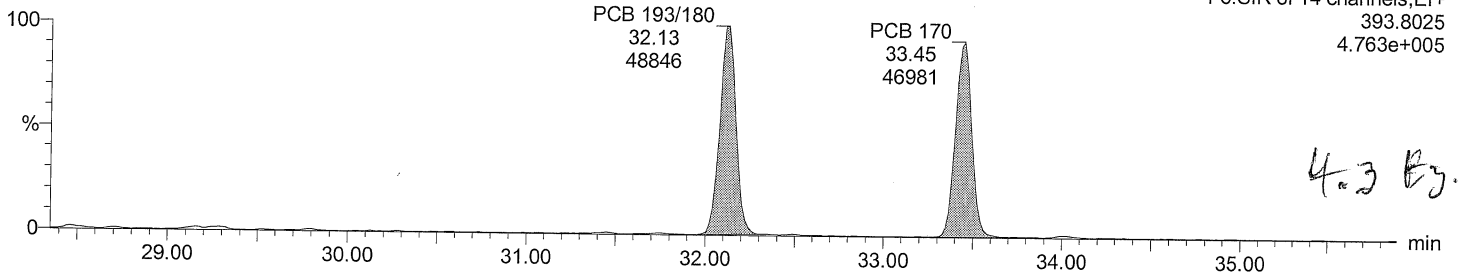
Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

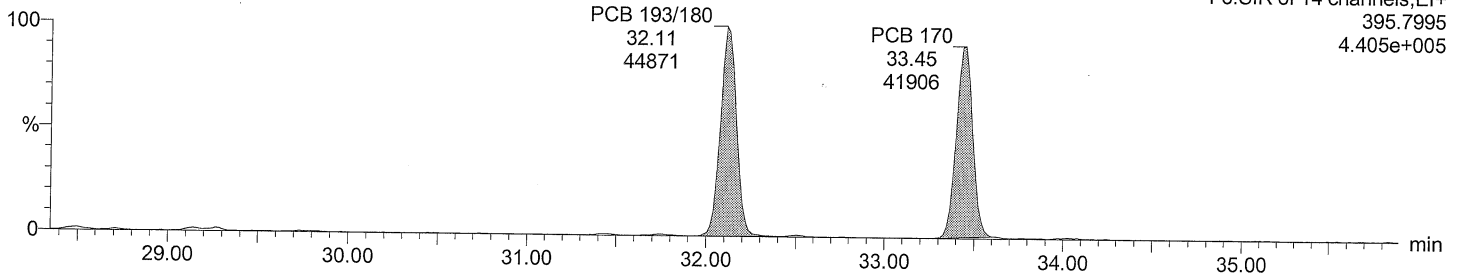
Total HpCB F6

M2160218DS003 Smooth(SG,1x1)



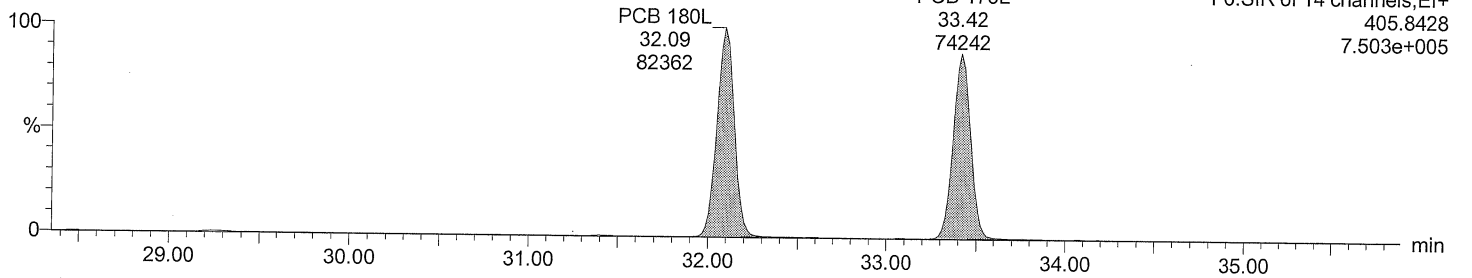
Total HpCB F6

M2160218DS003 Smooth(SG,1x1)



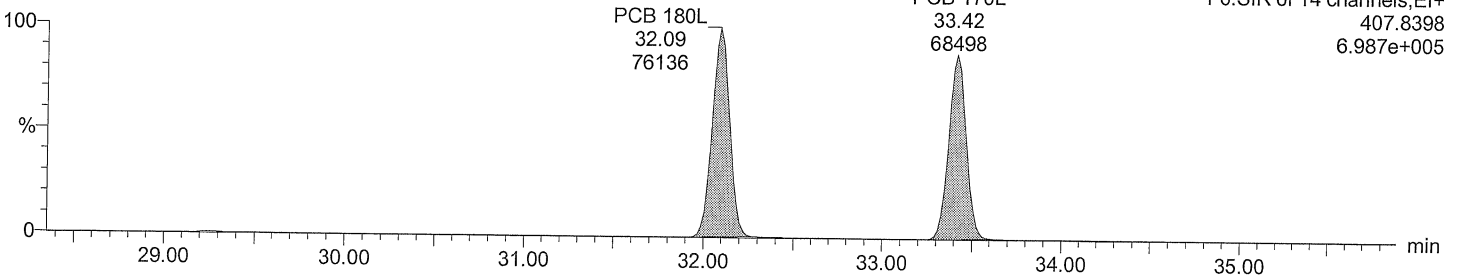
Total HpCB labeled F6

M2160218DS003 Smooth(SG,3x1)



Total HpCB labeled F6

M2160218DS003 Smooth(SG,3x1)



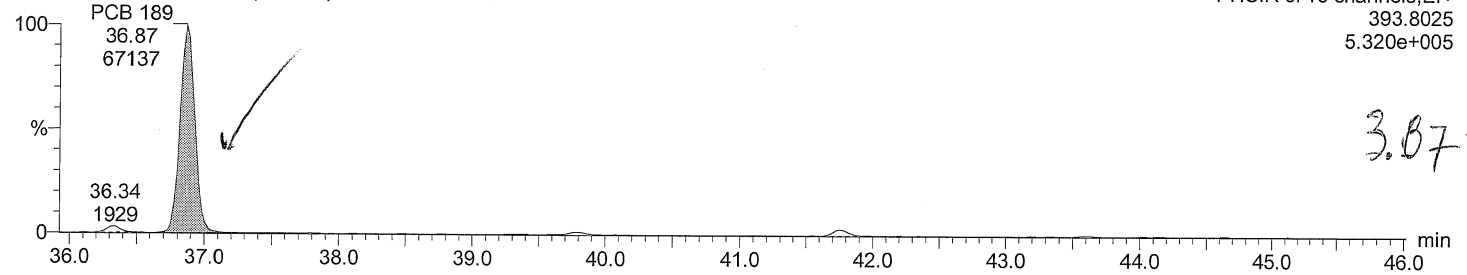
Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld  
Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

Total HpCB F7

M2160218DS003 Smooth(SG,3x1)

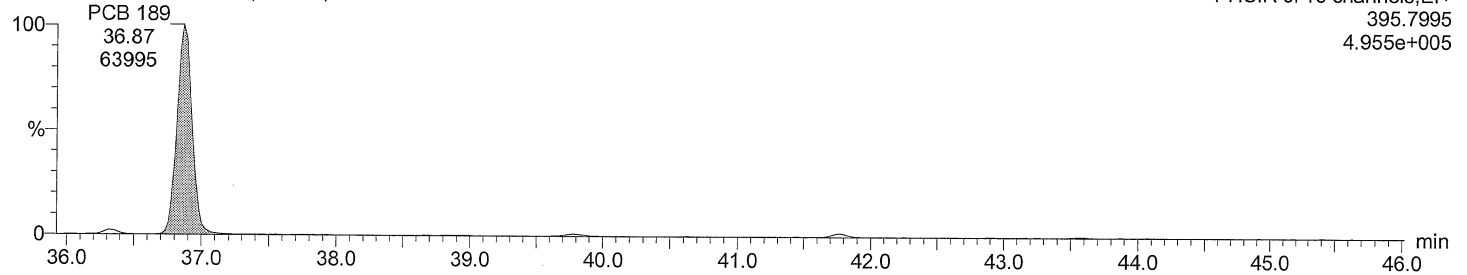
F7:SIR of 18 channels,EI+  
393.8025  
5.320e+005



Total HpCB F7

M2160218DS003 Smooth(SG,3x1)

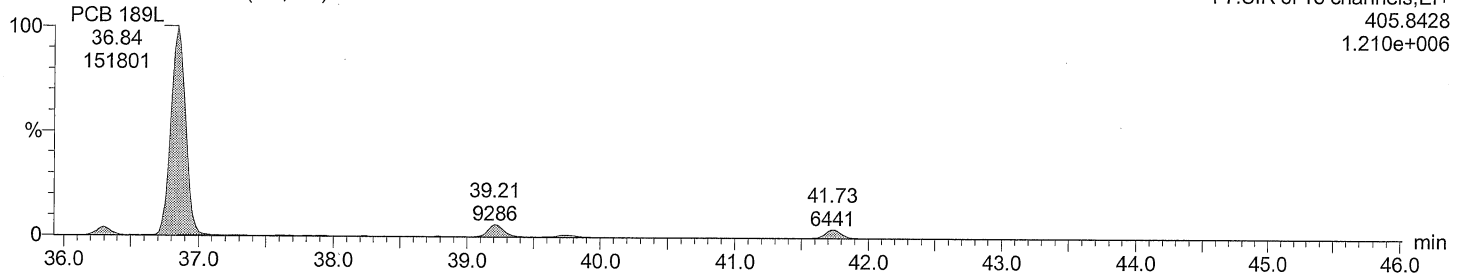
F7:SIR of 18 channels,EI+  
395.7995  
4.955e+005



Total HpCB labeled F7

M2160218DS003 Smooth(SG,3x1)

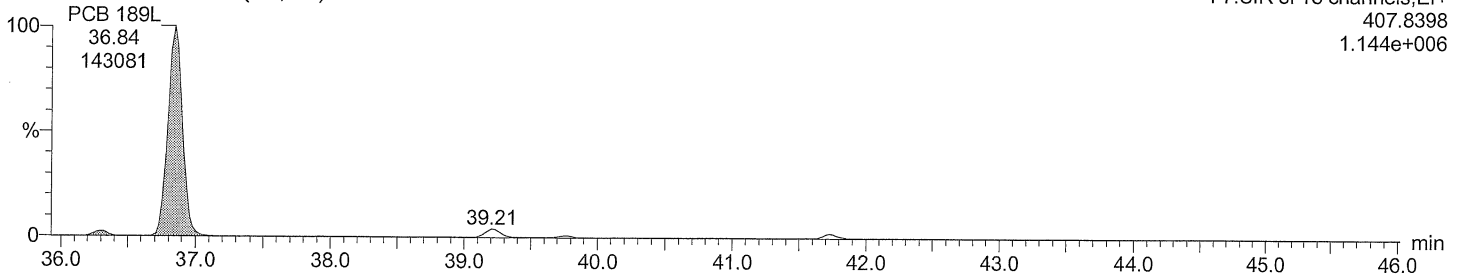
F7:SIR of 18 channels,EI+  
405.8428  
1.210e+006



Total HpCB labeled F7

M2160218DS003 Smooth(SG,3x1)

F7:SIR of 18 channels,EI+  
407.8398  
1.144e+006



Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

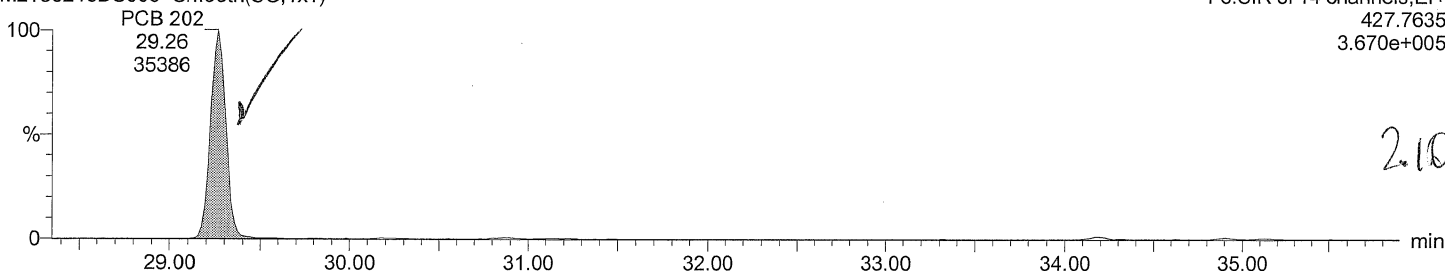
Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

**Total OcCB F6**

M2160218DS003 Smooth(SG,1x1)

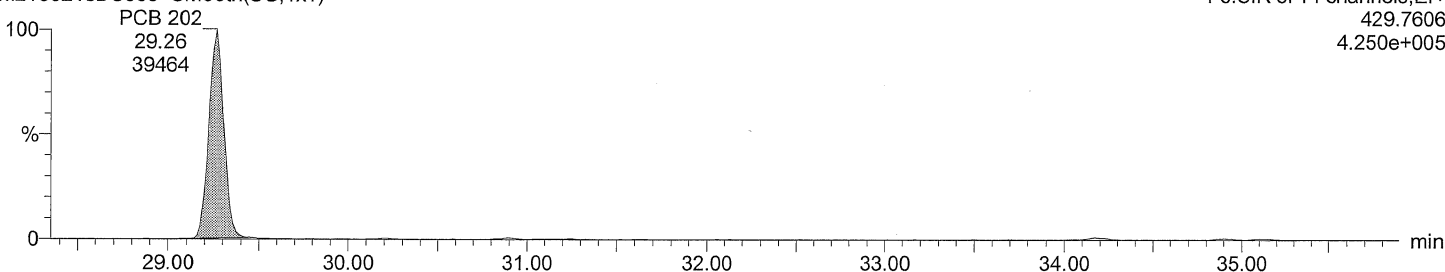
F6:SIR of 14 channels,EI+  
427.7635  
3.670e+005



**Total OcCB F6**

M2160218DS003 Smooth(SG,1x1)

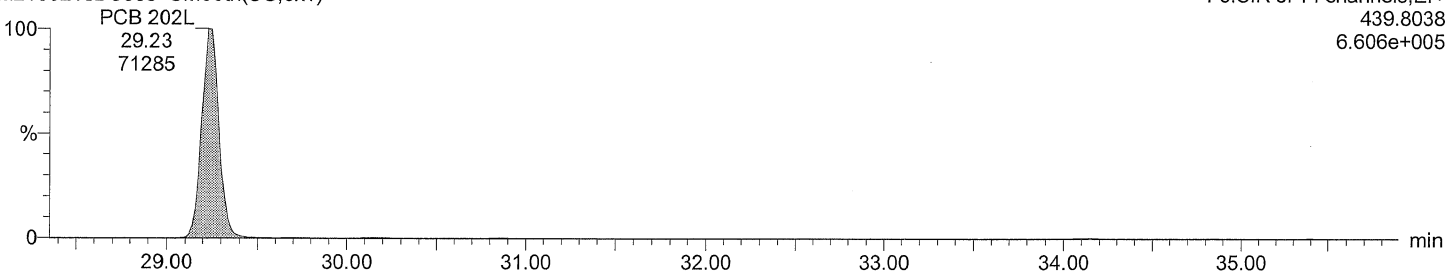
F6:SIR of 14 channels,EI+  
429.7606  
4.250e+005



**Total OcCB labeled F6**

M2160218DS003 Smooth(SG,3x1)

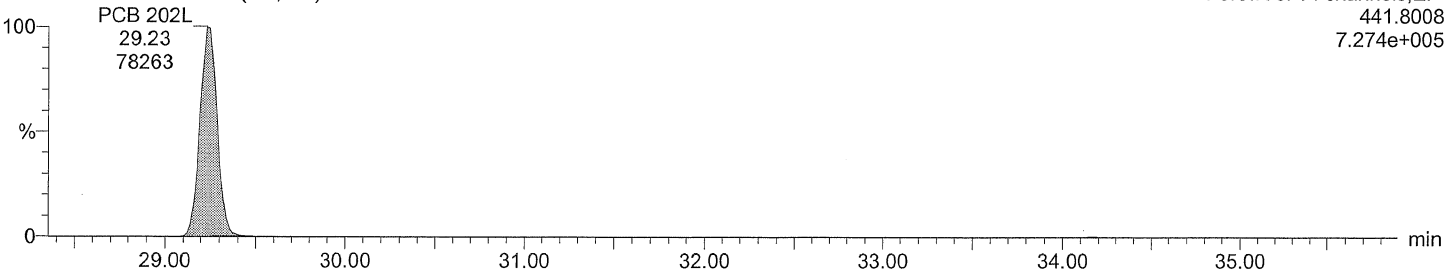
F6:SIR of 14 channels,EI+  
439.8038  
6.606e+005



**Total OcCB labeled F6**

M2160218DS003 Smooth(SG,3x1)

F6:SIR of 14 channels,EI+  
441.8008  
7.274e+005



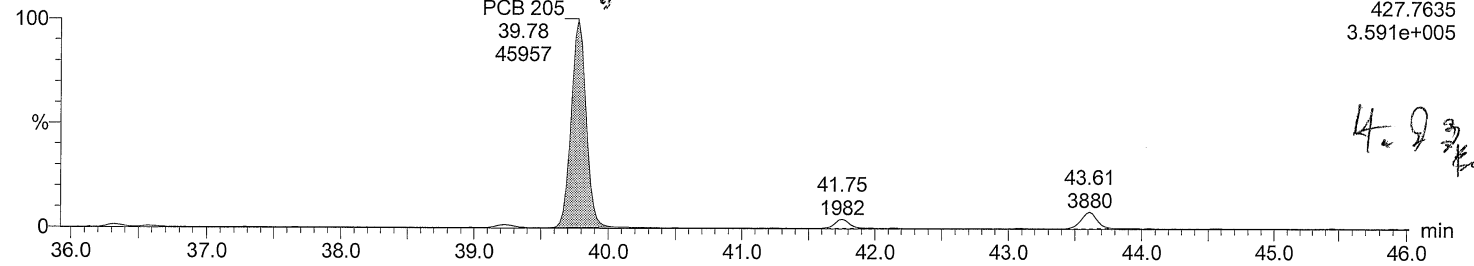
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Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

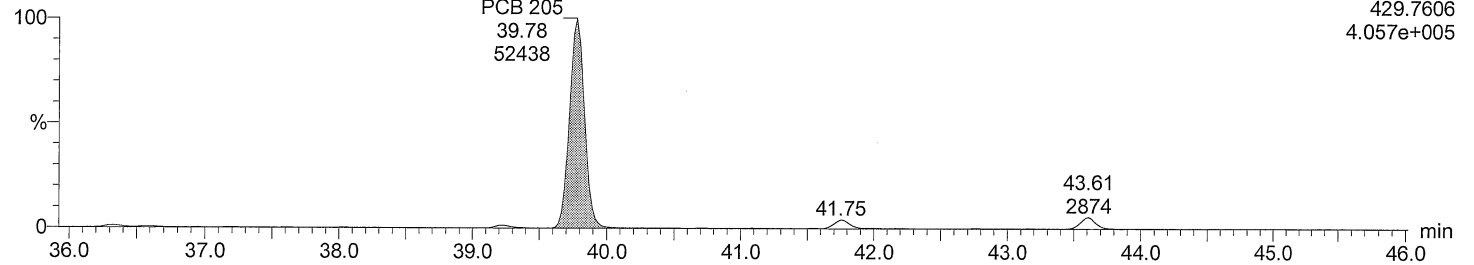
Total OcCB F7

M2160218DS003 Smooth(SG,3x1)



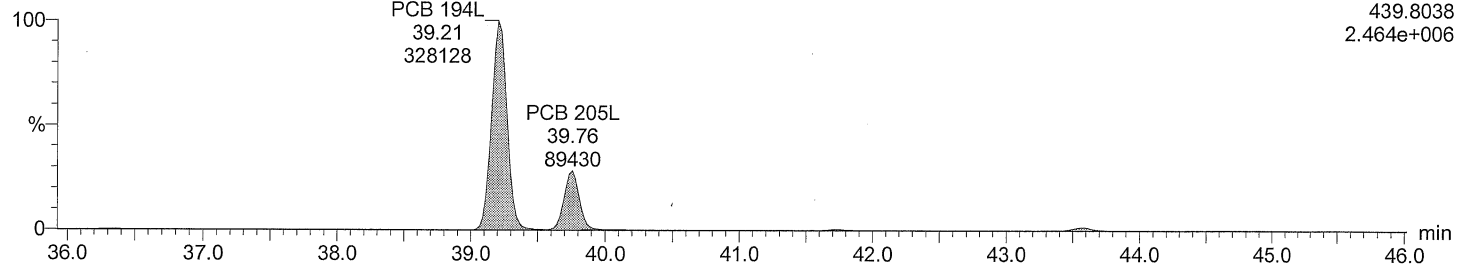
Total OcCB F7

M2160218DS003 Smooth(SG,3x1)



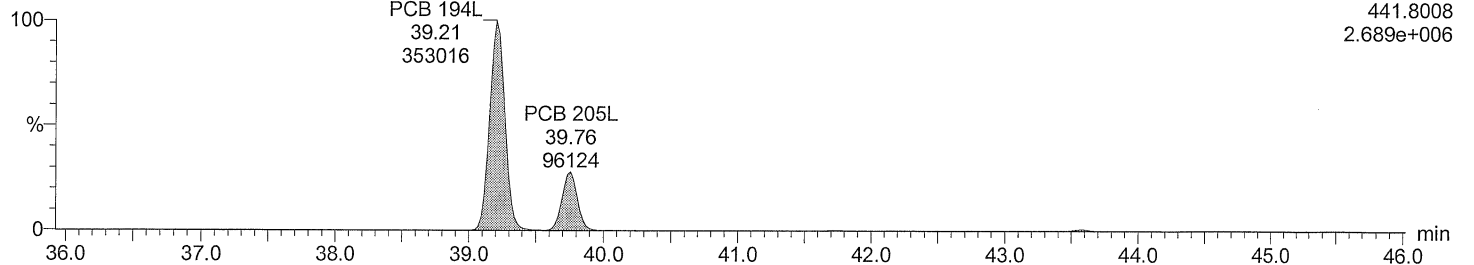
Total OcCB labeled F7

M2160218DS003 Smooth(SG,3x1)



Total OcCB labeled F7

M2160218DS003 Smooth(SG,3x1)

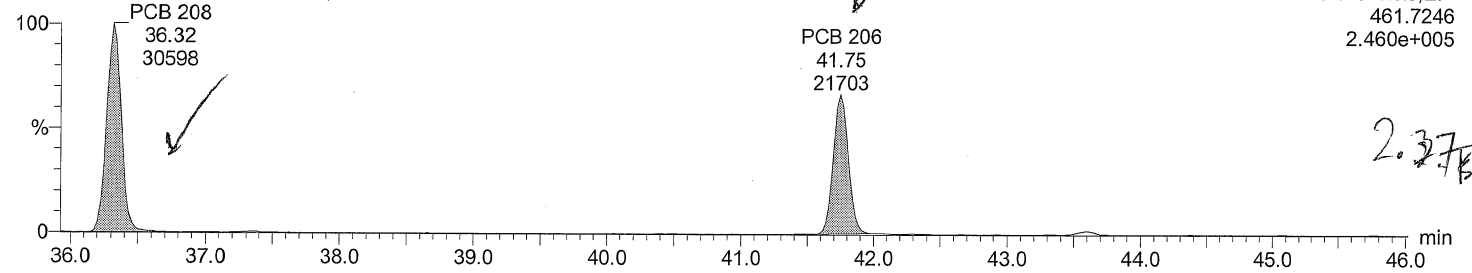


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Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE  
Vial: 3  
Date: 18-FEB-2016  
Time: 20:07:44

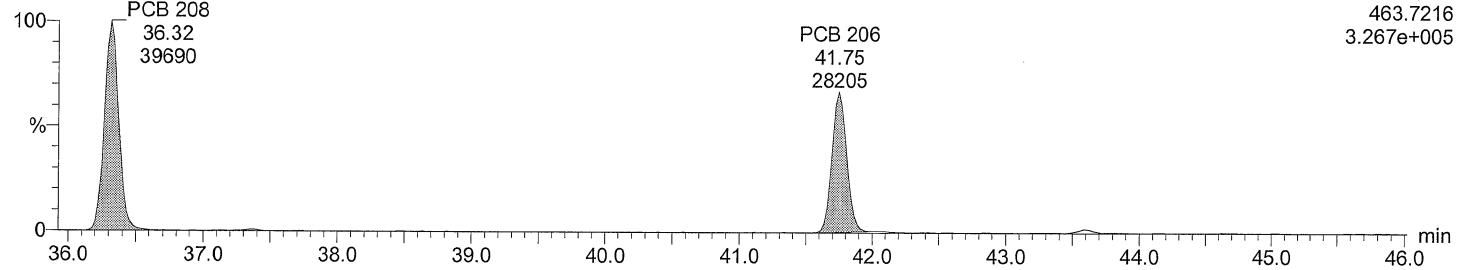
Total NoCB F7

M2160218DS003 Smooth(SG,3x1)



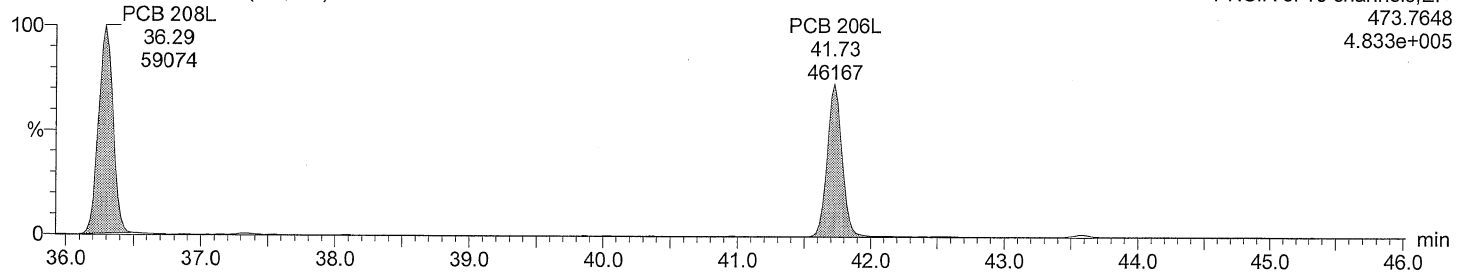
Total NoCB F7

M2160218DS003 Smooth(SG,3x1)



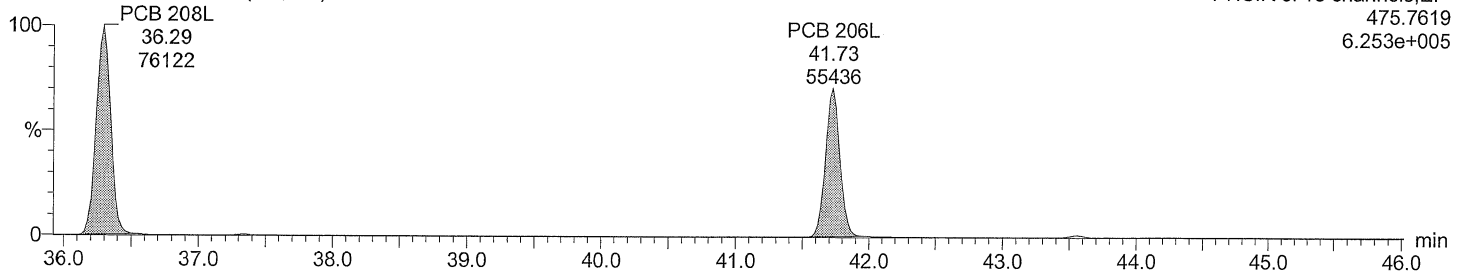
Total NoCB labeled F7

M2160218DS003 Smooth(SG,3x1)



Total NoCB labeled F7

M2160218DS003 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE

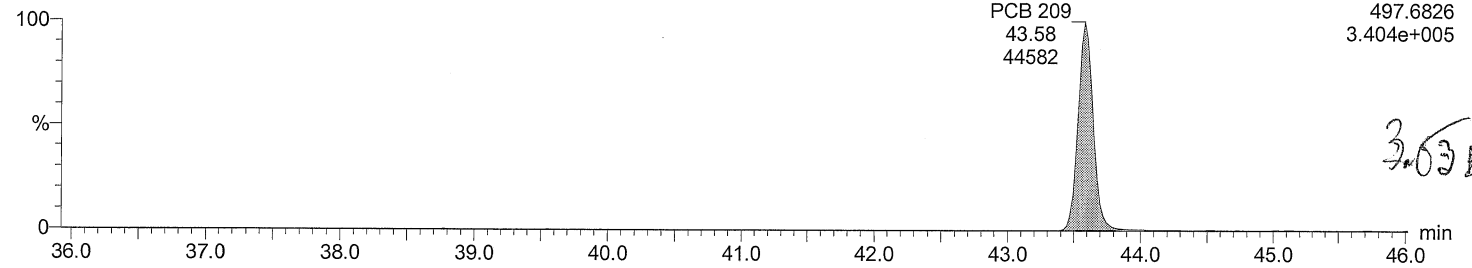
Vial: 3

Date: 18-FEB-2016

Time: 20:07:44

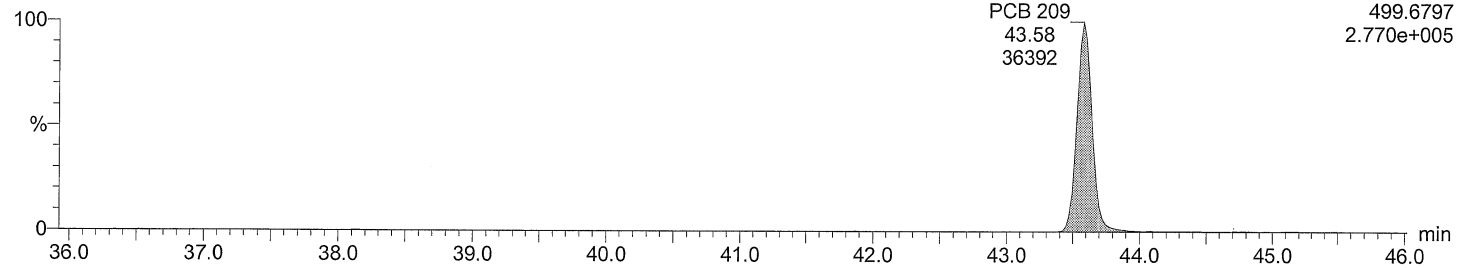
Total DeCB F7

M2160218DS003 Smooth(SG,3x1)



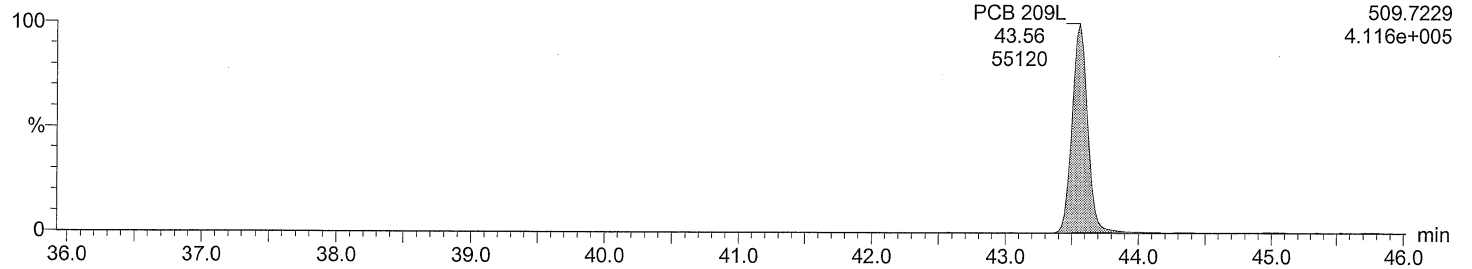
Total DeCB F7

M2160218DS003 Smooth(SG,3x1)



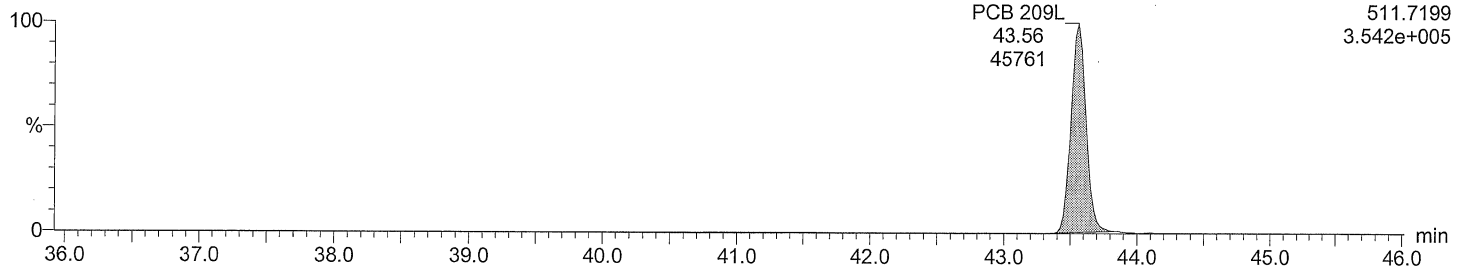
Total DeCB labeled F7

M2160218DS003 Smooth(SG,3x1)



Total DeCB labeled F7

M2160218DS003 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time

Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

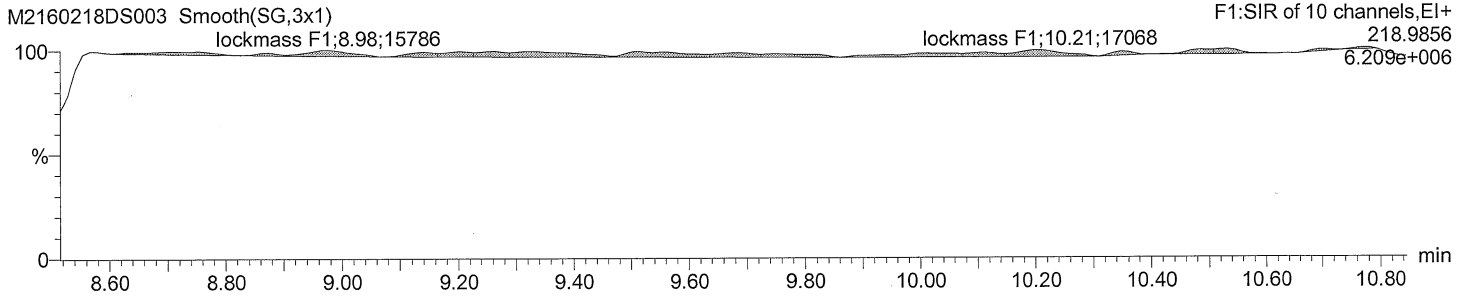
Description: SPIKE

Vial: 3

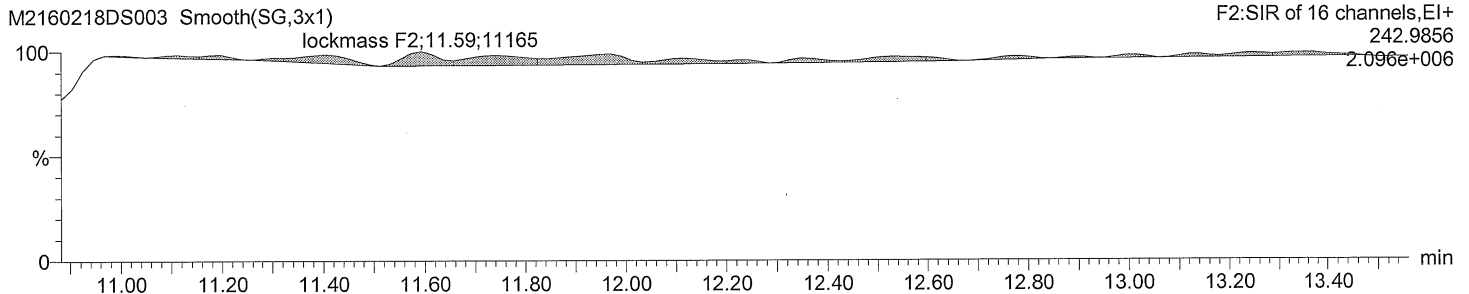
Date: 18-FEB-2016

Time: 20:07:44

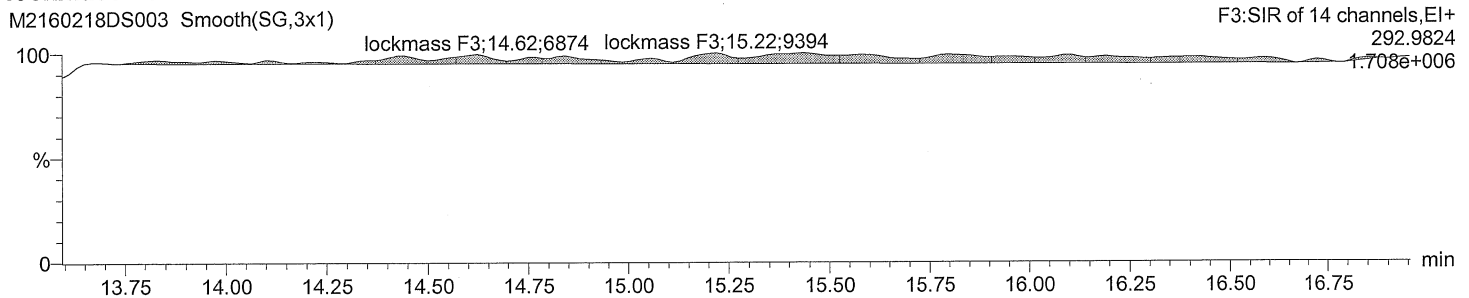
lockmass F1



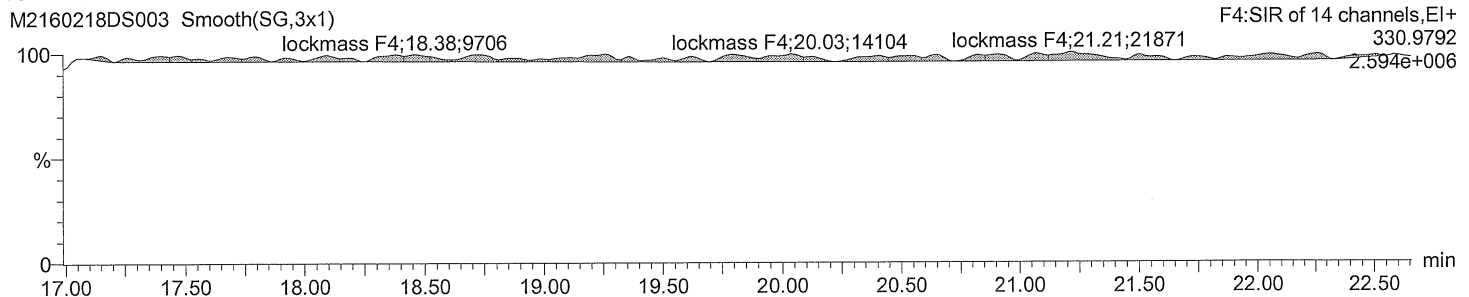
lockmass F2



lockmass F3



lockmass F4



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 04:17:07 PM Eastern Standard Time  
 Printed: February 19, 2016 04:26:58 PM Eastern Standard Time

**ID: WS#4386412/4378609, Ti**

**Description: SPIKE**

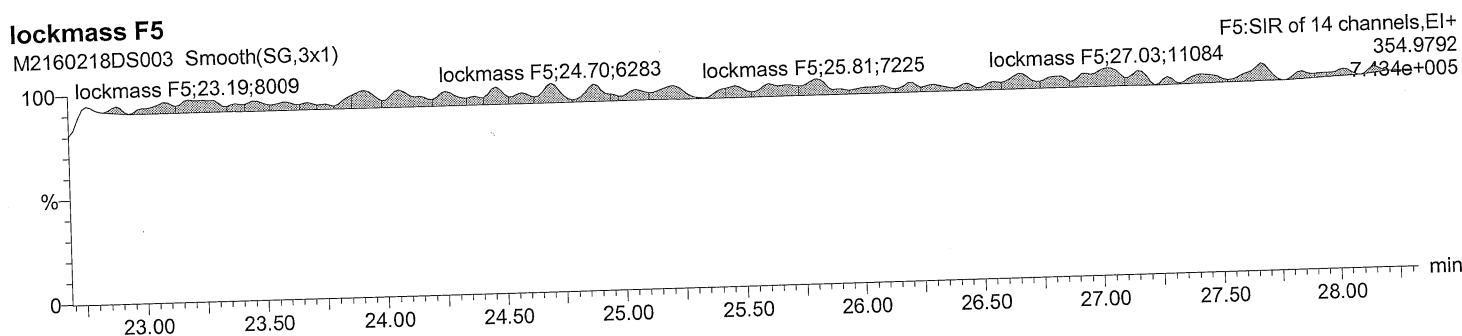
**Vial: 3**

**Date: 18-FEB-2016**

**Time: 20:07:44**

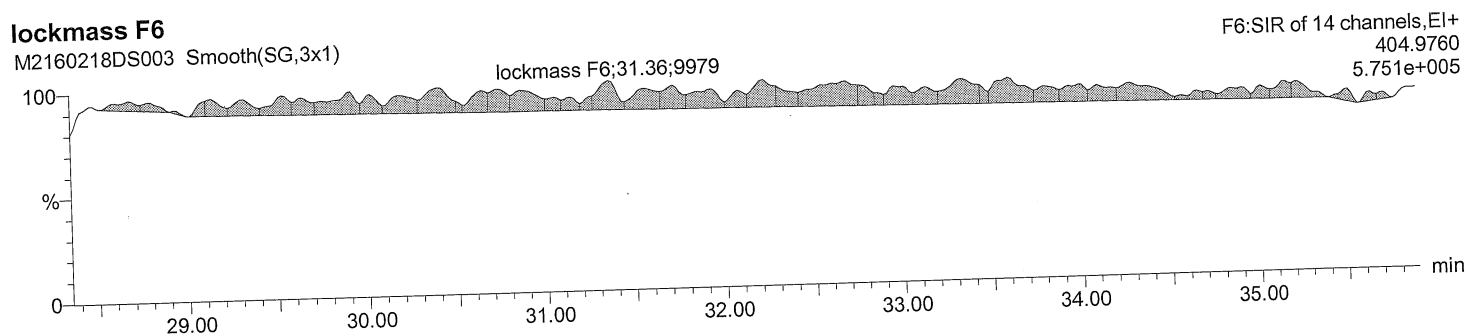
**lockmass F5**

M2160218DS003 Smooth(SG,3x1)



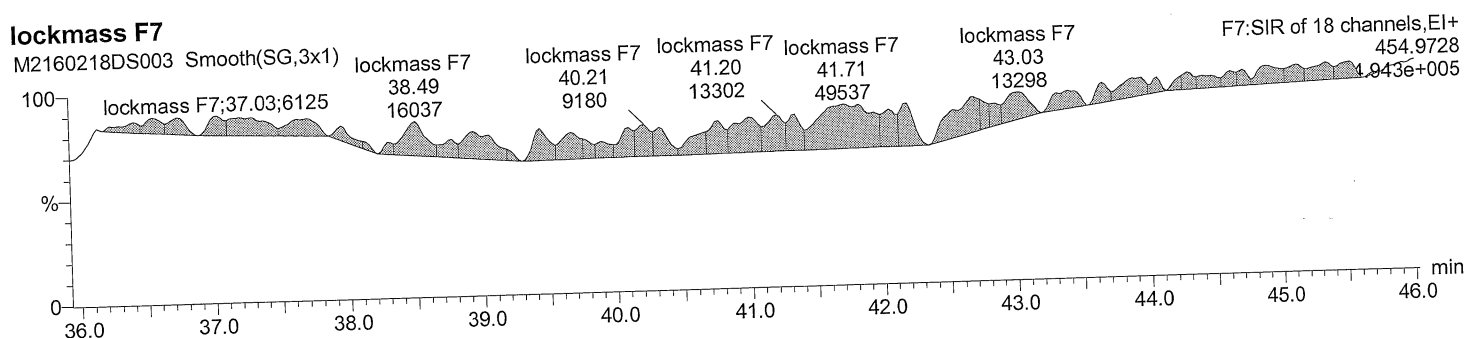
**lockmass F6**

M2160218DS003 Smooth(SG,3x1)



**lockmass F7**

M2160218DS003 Smooth(SG,3x1)





Sample ID SPIKE:D1  
Comments  
Instrument File Ultima 3  
Sample Size 10.149

Dil Fac 1.00

Name	mass	RT	Area	ratio	Tot Area	ng	Code	Isomers	DL	S/N	Mod	rf	Rec
1 PCB 1	188	8.99	103613	3.32	134869	0.101958	PCB 1 % Rec = 103		-0.0008	325	no	1.082	-
	MoCB 190	8.97	31256	yes						304			
2 PCB 2	188	NotFnd	*	*	*	-0.00073			-0.00073	*	no	1.2	-
	MoCB 190	10.10	*	no						*			
3 PCB 3	188	10.18	101216	3.17	133149	0.103136	PCB 3 % Rec = 105		-0.00081	328	no	1.079	-
	MoCB 190	10.19	31933	yes						319			
4 PCB 4	222	10.29	37987	1.66	60867	0.109185	PCB 4 % Rec = 111		-0.00268	789	no	0.954	-
	DICB 224	10.29	22881	yes						42			
5 PCB 10	222	NotFnd	*	*	*	-0.00208			-0.00208	*	no	1.229	-
	DICB 224	10.36	*	no						*			
6 PCB 9	222	NotFnd	*	*	*	-0.00304			-0.00304	*	no	1.311	-
	DICB 224	11.18	*	no						*			
7 PCB 7	222	NotFnd	*	*	*	-0.00342			-0.00342	*	no	1.165	-
	DICB 224	11.26	*	no						*			
8 PCB 6	222	NotFnd	*	*	*	-0.00302			-0.00302	*	no	1.319	-
	DICB 224	11.34	*	no						*			
9 PCB 5	222	NotFnd	*	*	*	-0.00405			-0.00405	*	no	0.983	-
	DICB 224	11.49	*	no						*			
10 PCB 8	222	NotFnd	*	*	*	-0.00274			-0.00274	*	no	1.466	-
	DICB 224	11.55	*	no						*			
11 PCB 14	222	NotFnd	*	*	*	-0.00299			-0.00299	*	no	1.332	-
	DICB 224	12.26	*	no						*			
12 PCB 11	222	NotFnd	*	*	*	-0.0031			-0.0031	*	no	1.285	-
	DICB 224	12.66	*	no						*			
13 PCB 13/12	222	NotFnd	*	*	*	-0.00329			-0.00329	*	no	1.21	-
	DICB 224	12.81	*	no						*			
14 PCB 15	222	12.95	100327	1.57	164206	0.105132	PCB 15 % Rec = 107		-0.00457	1089	no	0.871	-
	DICB 224	12.95	63880	yes						53			
15 PCB 19	256	11.67	33093	1.05	64743	0.106936	PCB 19 % Rec = 109		-0.00166	362	no	0.899	-
	TriCB 258	11.70	31650	yes						373			
16 PCB 30/18	256	NotFnd	*	*	*	-0.00183			-0.00183	*	no	0.813	-
	TriCB 258	12.48	*	no						*			
17 PCB 17	256	NotFnd	*	*	*	-0.00218			-0.00218	*	no	0.683	-
	TriCB 258	12.69	*	no						*			
18 PCB 27	256	NotFnd	*	*	*	-0.00149			-0.00149	*	no	1.002	-
	TriCB 258	12.78	*	no						*			
19 PCB 24	256	NotFnd	*	*	*	-0.00174			-0.00174	*	no	0.855	-
	TriCB 258	12.86	*	no						*			
20 PCB 16	256	NotFnd	*	*	*	-0.00298			-0.00298	*	no	0.501	-
	TriCB 258	12.90	*	no						*			
21 PCB 32	256	NotFnd	*	*	*	-0.00136			-0.00136	*	no	1.093	-
	TriCB 258	13.13	*	no						*			
22 PCB 34	256	13.74	80457	1	160609	0.101005	PCB 34 % Rec = 103		-0.00052	704	no	1.235	-
	TriCB 258	13.74	80153	yes						724			
23 PCB 23	256	13.83	78544	1.02	155675	0.117137	PCB 23 % Rec = 119		-0.00062	722	no	1.033	-
	TriCB 258	13.82	77131	yes						745			
24 PCB 26/29	256	NotFnd	*	*	*	-0.00052			-0.00052	*	no	1.221	-
	TriCB 258	13.98	*	no						*			
25 PCB 25	256	NotFnd	*	*	*	-0.00048			-0.00048	*	no	1.334	-
	TriCB 258	14.10	*	no						*			
26 PCB 31	256	NotFnd	*	*	*	-0.00048			-0.00048	*	no	1.335	-
	TriCB 258	14.26	*	no						*			
27 PCB 28/20	256	NotFnd	*	*	*	-0.00053			-0.00053	*	no	1.191	-
	TriCB 258	14.43	*	no						*			
28 PCB 21/33	256	NotFnd	*	*	*	-0.00051			-0.00051	*	no	1.255	-
	TriCB 258	14.53	*	no						*			
29 PCB 22	256	NotFnd	*	*	*	-0.00056			-0.00056	*	no	1.127	-
	TriCB 258	14.76	*	no						*			
30 PCB 36	256	NotFnd	*	*	*	-0.00041			-0.00041	*	no	1.57	-
	TriCB 258	15.60	*	no						*			
31 PCB 39	256	NotFnd	*	*	*	-0.00048			-0.00048	*	no	1.32	-
	TriCB 258	15.83	*	no						*			
32 PCB 38	256	NotFnd	*	*	*	-0.00044			-0.00044	*	no	1.438	-
	TriCB 258	16.18	*	no						*			
33 PCB 35	256	NotFnd	*	*	*	-0.0004			-0.0004	*	no	1.597	-
	TriCB 258	16.45	*	no						*			
34 PCB 37	256	16.70	87019	1	174228	0.101236	PCB 37 % Rec = 103		-0.0007	622	no	0.906	-
	TriCB 258	16.70	87210	yes						639			
35 PCB 54	290	13.08	31367	0.79	70998	0.10353	PCB 54 % Rec = 105		-0.00077	339	no	0.911	-
	TCB 292	13.08	39631	yes						326			
36 PCB 53/50	290	NotFnd	*	*	*	-0.00199			-0.00199	*	no	0.654	-
	TCB 292	14.11	*	no						*			
37 PCB 45/51	290	NotFnd	*	*	*	-0.00206			-0.00206	*	no	0.633	-
	TCB 292	14.49	*	no						*			
38 PCB 46	290	NotFnd	*	*	*	-0.00235			-0.00235	*	no	0.554	-
	TCB 292	14.64	*	no						*			
39 PCB 52	290	NotFnd	*	*	*	-0.00156			-0.00156	*	no	0.834	-
	TCB 292	15.38	*	no						*			
40 PCB 73	290	NotFnd	*	*	*	-0.0016			-0.0016	*	no	0.813	-
	TCB 292	15.46	*	no						*			
41 PCB 43	290	NotFnd	*	*	*	-0.00253			-0.00253	*	no	0.516	-
	TCB 292	15.52	*	no						*			
42 PCB 69/49	290	NotFnd	*	*	*	-0.00153			-0.00153	*	no	0.851	-
	TCB 292	15.64	*	no						*			

43	PCB 48	290	NotFnd	*	*	*	-0.00194	-0.00194	*	no	0.673	-	
		TCB 292	15.84	*	no	*			*				
44	PCB 44/47/65	290	NotFnd	*	*	*	-0.00167	-0.00167	*	no	0.783	-	
		TCB 292	15.98	*	no	*			*				
45	PCB 59/62/75	290	NotFnd	*	*	*	-0.00128	-0.00128	*	no	1.017	-	
		TCB 292	16.16	*	no	*			*				
46	PCB 42	290	NotFnd	*	*	*	-0.00191	-0.00191	*	no	0.682	-	
		TCB 292	16.29	*	no	*			*				
47	PCB 40/41/71	290	NotFnd	*	*	*	-0.0018	-0.0018	*	no	0.724	-	
		TCB 292	16.58	*	no	*			*				
48	PCB 64	290	NotFnd	*	*	*	-0.00141	-0.00141	*	no	0.922	-	
		TCB 292	16.71	*	no	*			*				
49	PCB 72	290	NotFnd	*	*	*	-0.0013	-0.0013	*	no	1.304	-	
		TCB 292	17.19	*	no	*			*				
50	PCB 68	290	NotFnd	*	*	*	-0.00139	-0.00139	*	no	1.22	-	
		TCB 292	17.40	*	no	*			*				
51	PCB 57	290	NotFnd	*	*	*	-0.00139	-0.00139	*	no	1.221	-	
		TCB 292	17.68	*	no	*			*				
52	PCB 58	290	NotFnd	*	*	*	-0.00164	-0.00164	*	no	1.035	-	
		TCB 292	17.83	*	no	*			*				
53	PCB 67	290	NotFnd	*	*	*	-0.00126	-0.00126	*	no	1.347	-	
		TCB 292	17.94	*	no	*			*				
54	PCB 63	290	NotFnd	*	*	*	-0.00135	-0.00135	*	no	1.253	-	
		TCB 292	18.13	*	no	*			*				
55	PCB 61/70/74/76	290	NotFnd	*	*	*	-0.00153	-0.00153	*	no	1.109	-	
		TCB 292	18.34	*	no	*			*				
56	PCB 66	290	NotFnd	*	*	*	-0.00137	-0.00137	*	no	1.241	-	
		TCB 292	18.58	*	no	*			*				
57	PCB 55	290	NotFnd	*	*	*	-0.0017	-0.0017	*	no	0.998	-	
		TCB 292	18.71	*	no	*			*				
58	PCB 56	290	NotFnd	*	*	*	-0.0017	-0.0017	*	no	0.995	-	
		TCB 292	19.05	*	no	*			*				
59	PCB 60	290	NotFnd	*	*	*	-0.00171	-0.00171	*	no	0.988	-	
		TCB 292	19.22	*	no	*			*				
60	PCB 80	290	NotFnd	*	*	*	-0.00138	-0.00138	*	no	1.224	-	
		TCB 292	19.48	*	no	*			*				
61	PCB 79	290	NotFnd	*	*	*	-0.00116	-0.00116	*	no	1.462	-	
		TCB 292	20.61	*	no	*			*				
62	PCB 78	290	NotFnd	*	*	*	-0.00132	-0.00132	*	no	1.287	-	
		TCB 292	21.06	*	no	*			*				
63	PCB 81	290	21.42	72559	0.76	168231	0.100282	PCB 81 % Rec = 102	-0.00165	180	no	1.027	-
		TCB 292	21.42	95673	yes					183			
64	PCB 77	290	21.87	72106	0.79	163808	0.096753	PCB 77 % Rec = 98	-0.00157	171	no	1.077	-
		TCB 292	21.87	91702	yes					175			
65	PCB 104	326	15.94	51677	1.61	83795	0.09937	PCB 104 % Rec = 101	-0.00045	553	no	1.094	-
		PeCB 328	15.94	32118	yes					525			
66	PCB 96	326	NotFnd	*	*	*	-0.00057	-0.00057	*	no	0.874	-	
		PeCB 328	16.16	*	no	*			*				
67	PCB 103	326	NotFnd	*	*	*	-0.00214	-0.00214	*	no	0.739	-	
		PeCB 328	17.32	*	no	*			*				
68	PCB 94	326	NotFnd	*	*	*	-0.00293	-0.00293	*	no	0.54	-	
		PeCB 328	17.47	*	no	*			*				
69	PCB 95	326	NotFnd	*	*	*	-0.00232	-0.00232	*	no	0.683	-	
		PeCB 328	17.77	*	no	*			*				
70	PCB 100/93/102/98	326	NotFnd	*	*	*	-0.00256	-0.00256	*	no	0.619	-	
		PeCB 328	17.93	*	no	*			*				
71	PCB 88/91	326	NotFnd	*	*	*	-0.00253	-0.00253	*	no	0.625	-	
		PeCB 328	18.31	*	no	*			*				
72	PCB 84	326	NotFnd	*	*	*	-0.00297	-0.00297	*	no	0.534	-	
		PeCB 328	18.50	*	no	*			*				
73	PCB 89	326	NotFnd	*	*	*	-0.00272	-0.00272	*	no	0.582	-	
		PeCB 328	18.84	*	no	*			*				
74	PCB 121	326	NotFnd	*	*	*	-0.00208	-0.00208	*	no	0.761	-	
		PeCB 328	19.08	*	no	*			*				
75	PCB 92	326	NotFnd	*	*	*	-0.00265	-0.00265	*	no	0.598	-	
		PeCB 328	19.34	*	no	*			*				
76	PCB 113/90/101	326	NotFnd	*	*	*	-0.00223	-0.00223	*	no	0.71	-	
		PeCB 328	19.76	*	no	*			*				
77	PCB 83/99	326	NotFnd	*	*	*	-0.00254	-0.00254	*	no	0.623	-	
		PeCB 328	20.22	*	no	*			*				
78	PCB 112	326	NotFnd	*	*	*	-0.00193	-0.00193	*	no	0.819	-	
		PeCB 328	20.33	*	no	*			*				
79	PCB 109/119/86/97/125/326	326	NotFnd	*	*	*	-0.00218	-0.00218	*	no	0.726	-	
		PeCB 328	20.62	*	no	*			*				
80	PCB 117/116/85	326	NotFnd	*	*	*	-0.00199	-0.00199	*	no	0.796	-	
		PeCB 328	21.22	*	no	*			*				
81	PCB 110/115	326	NotFnd	*	*	*	-0.00211	-0.00211	*	no	0.75	-	
		PeCB 328	21.32	*	no	*			*				
82	PCB 82	326	NotFnd	*	*	*	-0.00281	-0.00281	*	no	0.564	-	
		PeCB 328	21.59	*	no	*			*				
83	PCB 111	326	NotFnd	*	*	*	-0.00196	-0.00196	*	no	0.809	-	
		PeCB 328	21.84	*	no	*			*				
84	PCB 120	326	NotFnd	*	*	*	-0.00167	-0.00167	*	no	0.951	-	
		PeCB 328	22.24	*	no	*			*				
85	PCB 108/124	326	NotFnd	*	*	*	-0.00064	-0.00064	*	no	1.122	-	
		PeCB 328	23.21	*	no	*			*				
86	PCB 107	326	NotFnd	*	*	*	-0.00063	-0.00063	*	no	1.147	-	
		PeCB 328	23.39	*	no	*			*				
87	PCB 123	326	23.50	84307	1.53	139274	0.098566	PCB 123 % Rec = 100	-0.0008	369	no	0.894	-
		PeCB 328	23.51	54967	yes					381			
88	PCB 106	326	NotFnd	*	no	*	-0.00059	-0.00059	*	no	1.218	-	
		PeCB 328	23.63	*	no	*			*				
89	PCB 118	326	23.79	99714	1.59	162441	0.105695	PCB 118 % Rec = 107	-0.00073	432	no	0.981	-
		PeCB 328	23.80	62727	yes					433			





184 PCB 188L	406	24.20	90097	1.1	172400	0.147464	0	4124	no	1.329	75
	408	24.20	82303	yes				4848			
185 PCB 180L	406	32.09	88222	1.06	171558	0.146066	0	2668	no	1.349	74
	408	32.09	83335	yes				2927			
186 PCB 170L	406	33.42	78781	1.08	151527	0.147424	0	2374	no	1.18	75
	408	33.42	72745	yes				2550			
187 PCB 189L	406	36.84	169960	1.05	331651	0.176516	0	3263	no	2.157	90
	408	36.83	161691	yes				3326			
188 PCB 202L	440	29.23	76122	0.92	159314	0.128868	0	1239	no	1.419	65
	442	29.27	83192	yes				4366			
189 PCB 205L	440	39.73	109680	0.9	231420	0.173519	0	1960	no	1.531	88
	442	39.73	121739	yes				3040			
190 PCB 208L	474	36.29	67396	0.79	153257	0.154435	0	2906	no	1.139	78
	476	36.28	85861	yes				3275			
191 PCB 206L	474	41.70	50718	0.82	112694	0.170354	0	2123	yes	0.76	86
	476	41.73	61976	yes				2294			
192 PCB 209L	510	43.54	59886	1.18	110623	0.175358	0	2867	no	0.724	89
	512	43.53	50737	yes				2564			
193 PCB 28L	268	14.40	218785	1.02	433179	0.216786	0.001	765	no	2.039	110
PCB Cleanup Standard	270	14.43	214394	yes				1050			
194 PCB 111L	338	21.83	142741	1.65	229196	0.193014	0	2700	no	1.343	98
PCB Cleanup Standard	340	21.84	86455	yes				3741			
195 PCB 178L	406	26.98	62179	1.05	121164	0.18798	0	2755	no	0.733	95
PCB Cleanup Standard	408	26.97	58985	yes				3298			
196 PCB 31L	268	NotFnd	*	*	*		0.001		no	1.934	
PCB Audit Standard	270	14.26	*	no							
197 PCB 95L	338	NotFnd	*	*	*		0		no	0.946	
PCB Audit Standard	340	17.73	*	no							
198 PCB 153L	372	NotFnd	*	*	*		0		no	1.225	
PCB Audit Standard	374	25.40	*	no							
199 PCB 9L	234	11.17	1277432	1.61	2071206	10.47559	-	14544	no	-	-
PCB Recovery Standard	236	11.19	793774	yes				15490			
200 PCB 52L	302	15.36	426502	0.79	965508	7.547621	-	6608	no	-	-
PCB Recovery Standard	304	15.36	539007	yes				15037			
201 PCB 101L	338	19.76	536293	1.6	871224	7.826917	-	10730	no	-	-
PCB Recovery Standard	340	19.76	334931	yes				15254			
202 PCB 138L	372	26.57	490588	1.3	866568	7.942725	-	17221	no	-	-
PCB Recovery Standard	374	26.56	375980	yes				12028			
203 PCB 194L	440	39.18	416339	0.94	858204	7.832604	-	7345	no	-	-
PCB Recovery Standard	442	39.17	441866	yes				11222			
Chlorobiphenyls						0.205094	2	-0.00081			
Dichlorobiphenyls						0.214317	2	-0.00457			
Trichlorobiphenyls						0.426314	4	-0.00298			
Tetrachlorobiphenyls						0.300565	3	-0.00253			
Pentachlorobiphenyls						0.598986	6	-0.00297			
Hexachlorobiphenyls						0.498758	4	-0.00164			
Heptachlorobiphenyls						0.558578	6	-0.00266			
Octachlorobiphenyls						0.195136	2	-0.00354			
Nonachlorobiphenyls						0.194742	2	-0.00287			
Decachlorobiphenyl						0.150934	1	-0.00241			
PCB (total)						3.343424					

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

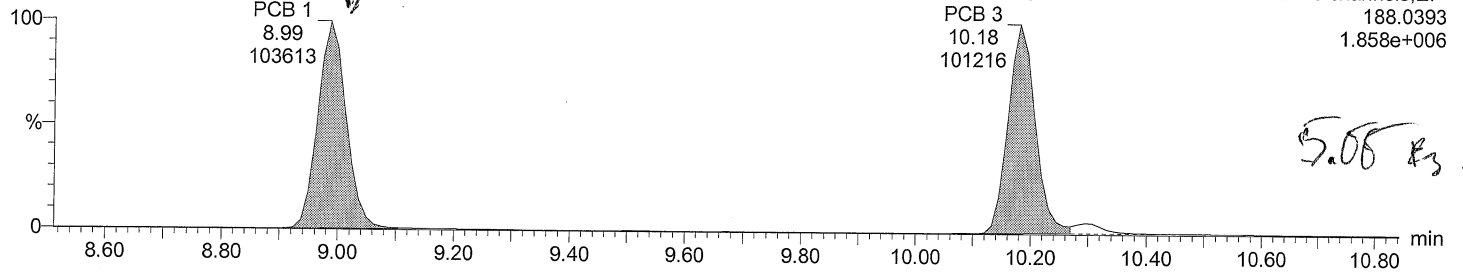
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Calibration: C:\MassLynx\Default.pro\Curvedb\M2160218D\_209.cdb 19 Feb 2016 11:38:57

ID: WS#4386412/4378609, Ti  
Description: SPIKE:D1  
Vial: 4  
Date: 18-FEB-2016  
Time: 20:57:58

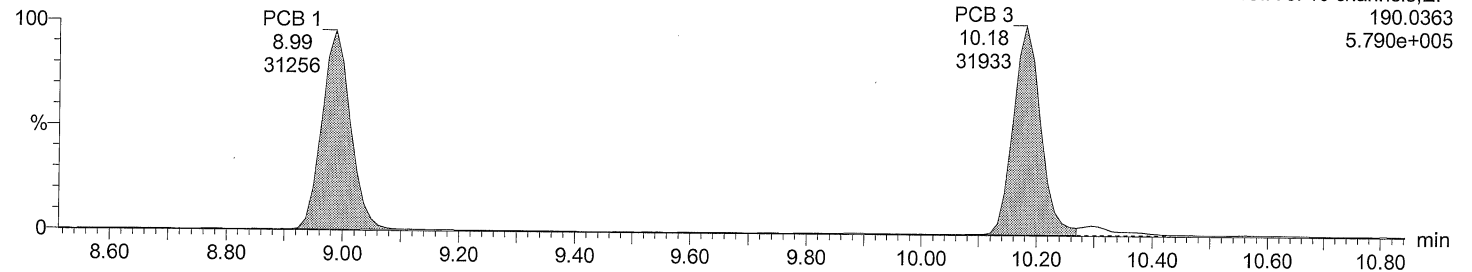
Total MoCB F1

M2160218DS004 Smooth(SG,3x1)



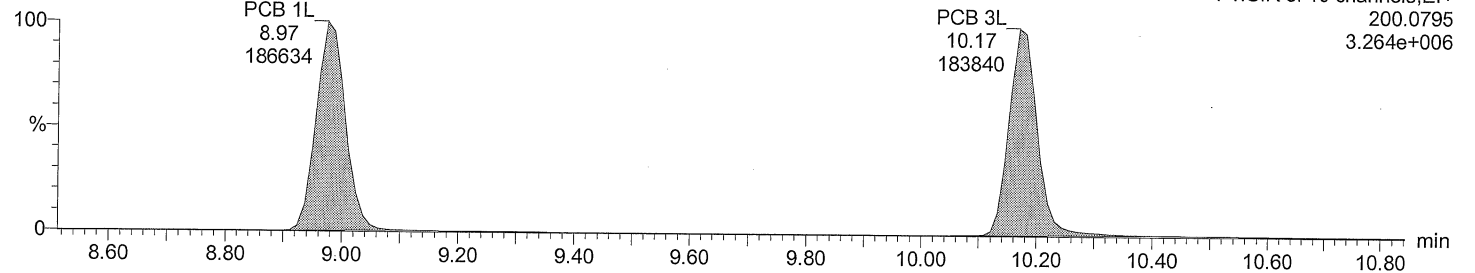
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M2160218DS004 Smooth(SG,3x1)



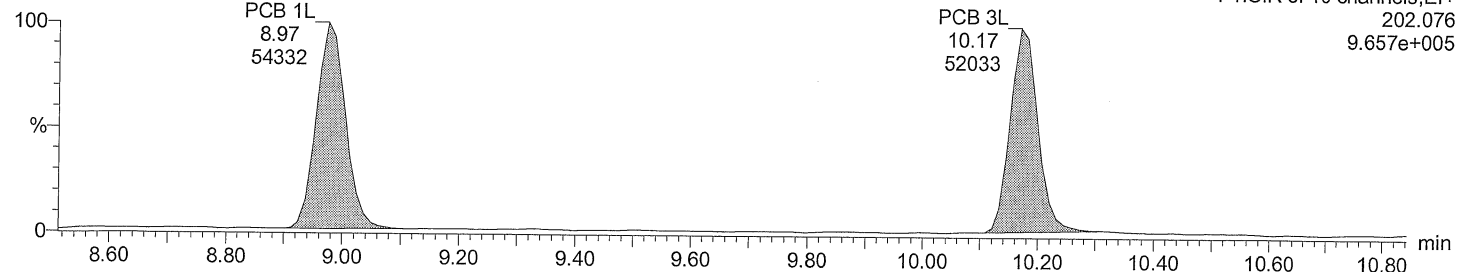
Total MoCB labeled F1

M2160218DS004 Smooth(SG,3x1)



Total MoCB labeled F1

M2160218DS004 Smooth(SG,3x1)



Acquired Date

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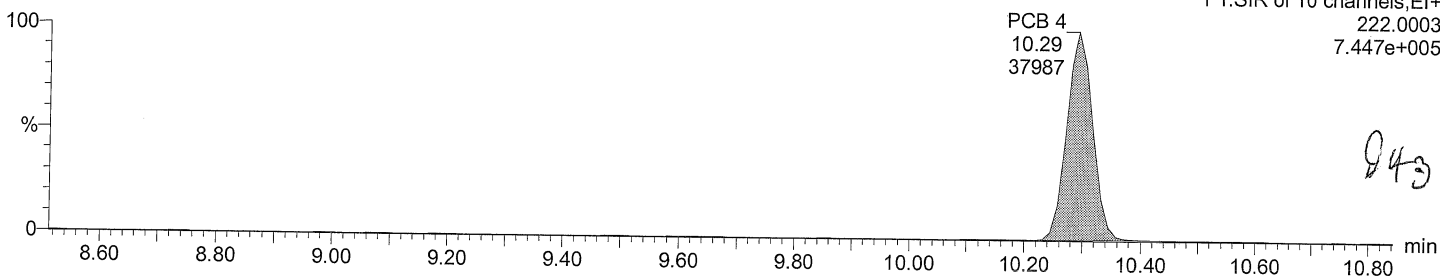
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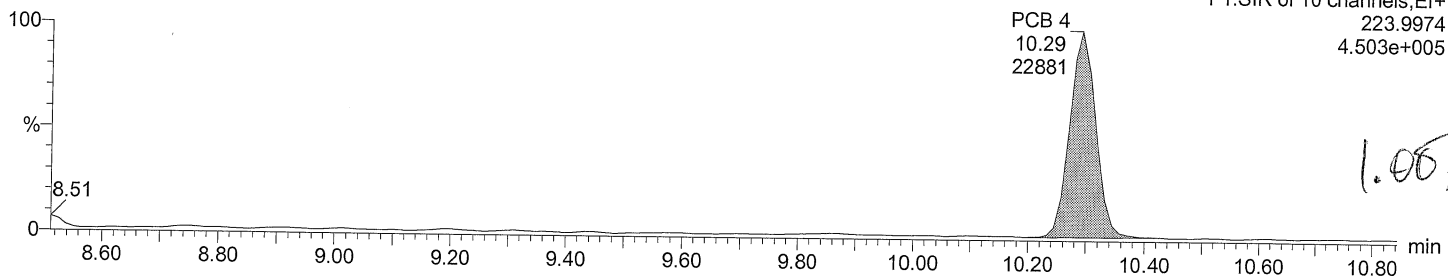
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M2160218DS004 Smooth(SG,3x1)



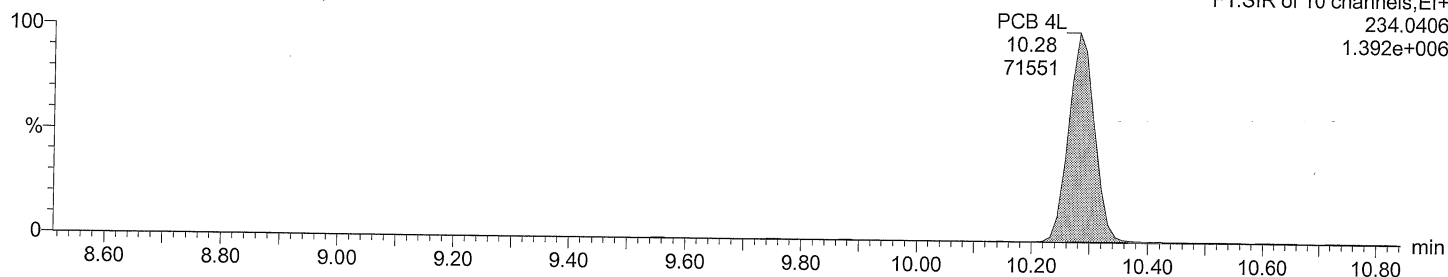
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M2160218DS004 Smooth(SG,3x1)



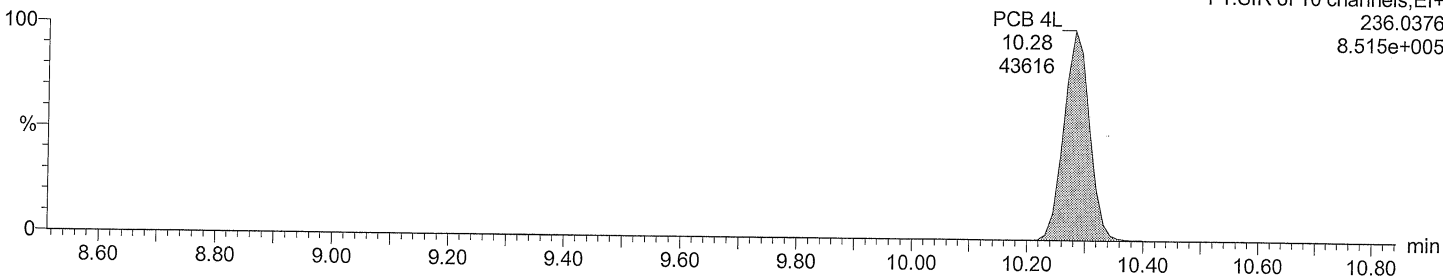
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M2160218DS004 Smooth(SG,3x1)



Total DiCB labeled F1

M2160218DS004 Smooth(SG,3x1)



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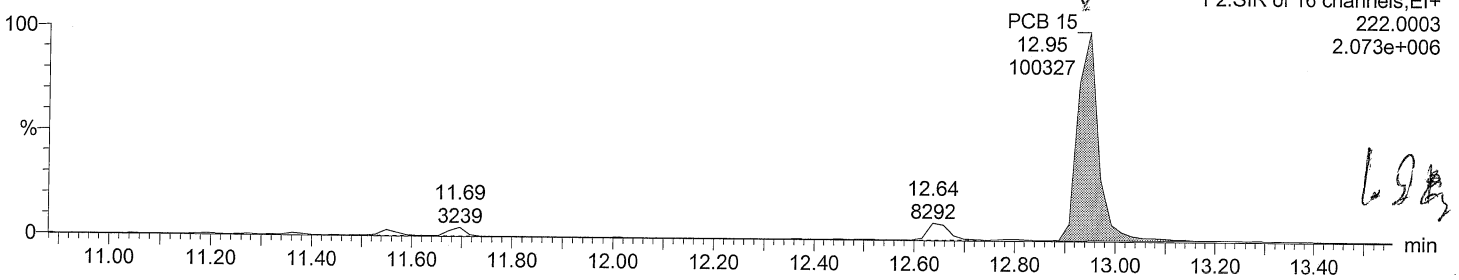
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Date: 18-FEB-2016

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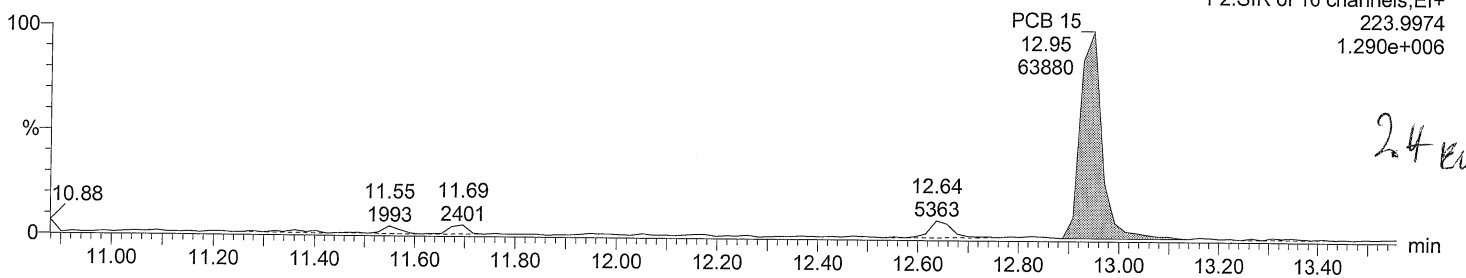
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M2160218DS004



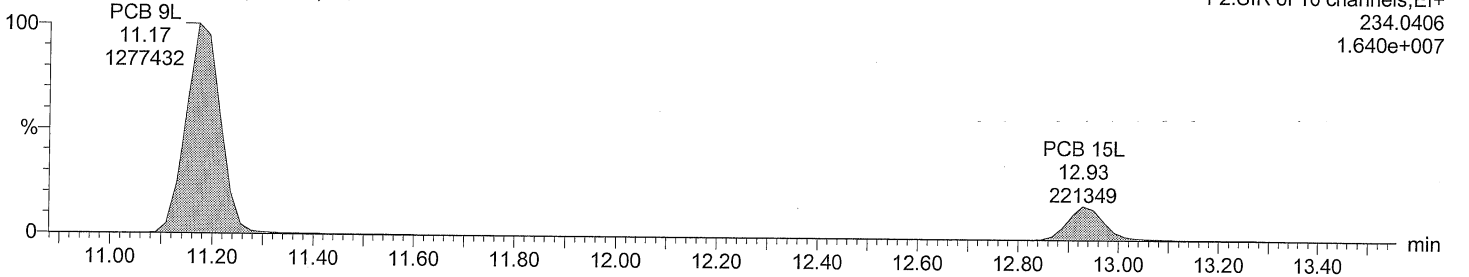
Total DiCB F2

M2160218DS004



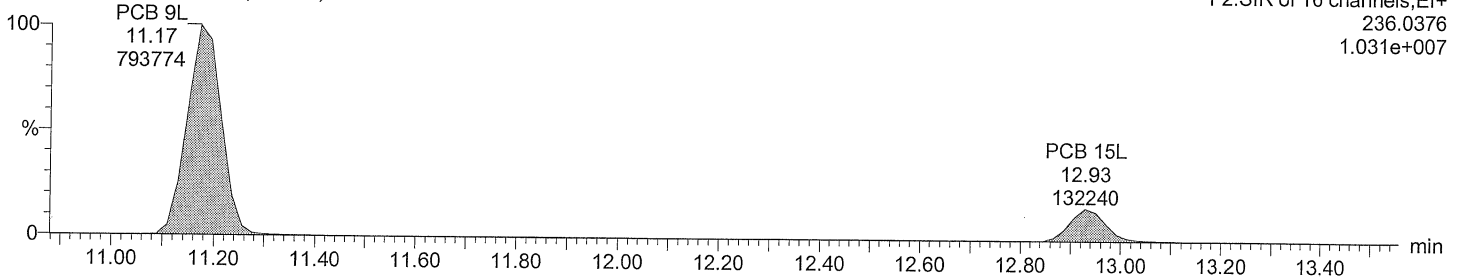
Total DiCB labeled F2

M2160218DS004 Smooth(SG,3x1)



Total DiCB labeled F2

M2160218DS004 Smooth(SG,3x1)





Acquired Date

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Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

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Description: SPIKE:D1

Vial: 4

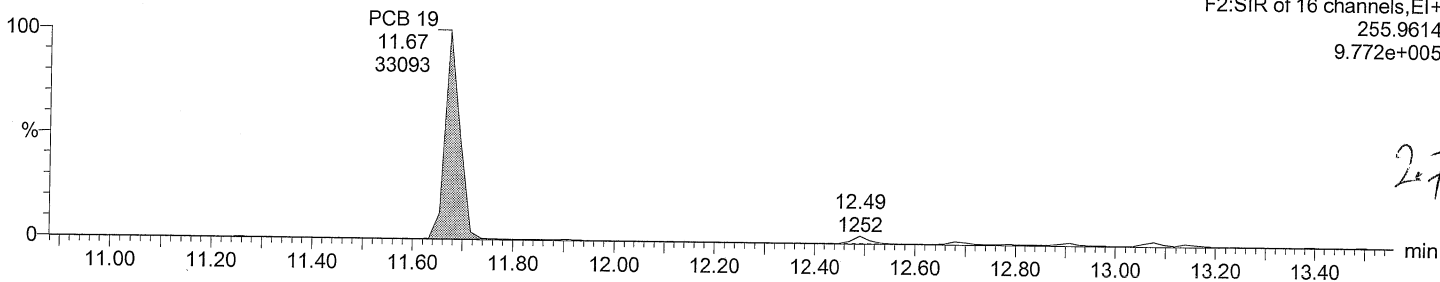
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Time: 20:57:58

Total TriCB F2

M2160218DS004

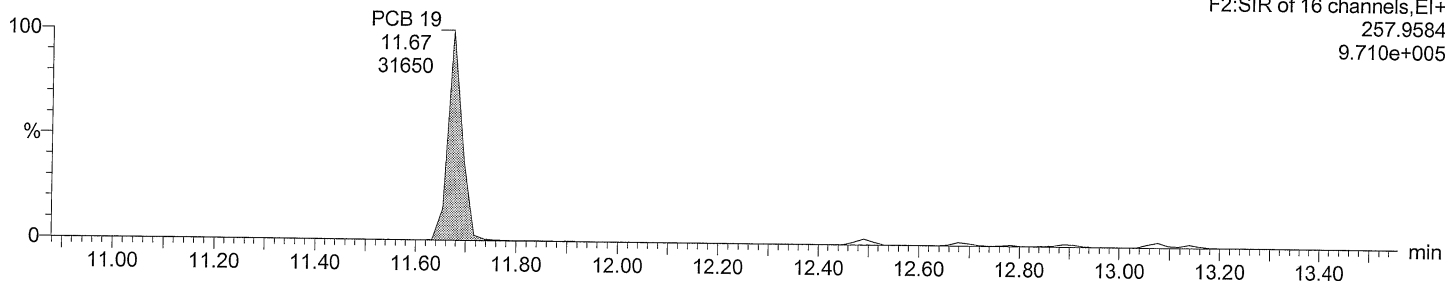
F2:SIR of 16 channels,EI+  
255.9614  
9.772e+005



Total TriCB F2

M2160218DS004

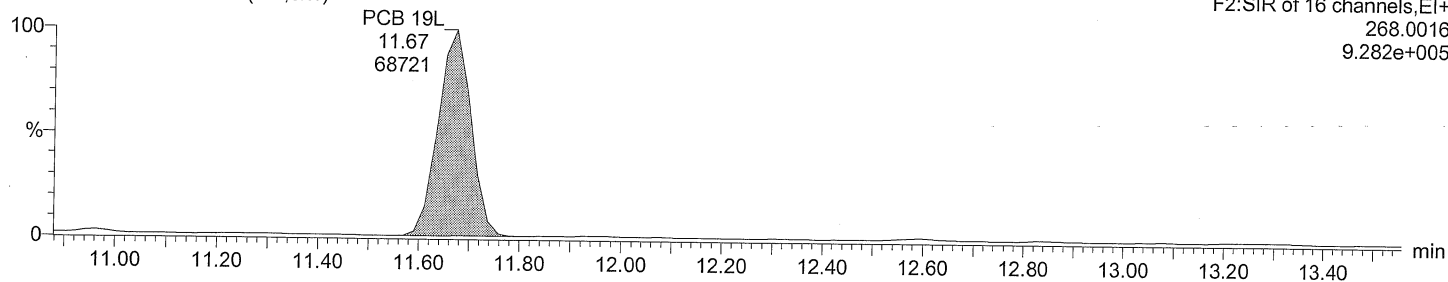
F2:SIR of 16 channels,EI+  
257.9584  
9.710e+005



Total TriCB labeled F2

M2160218DS004 Smooth(SG,3x1)

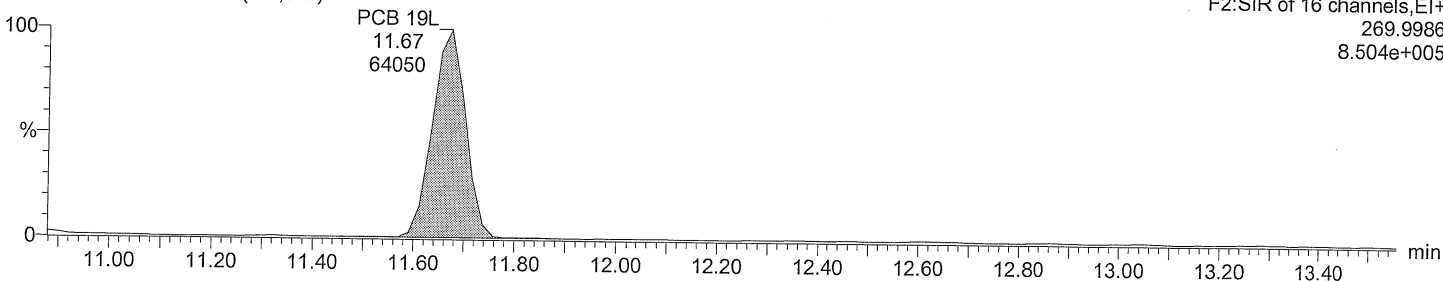
F2:SIR of 16 channels,EI+  
268.0016  
9.282e+005



Total TriCB labeled F2

M2160218DS004 Smooth(SG,3x1)

F2:SIR of 16 channels,EI+  
269.9986  
8.504e+005

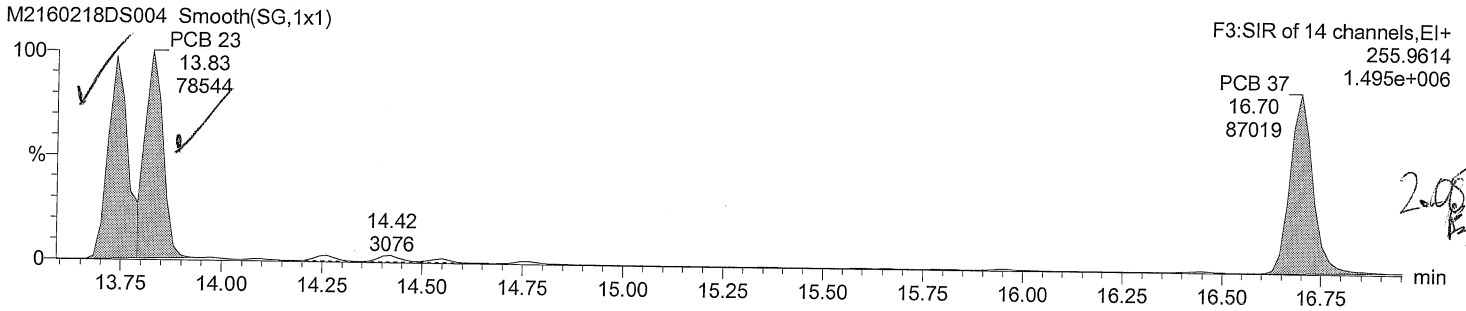


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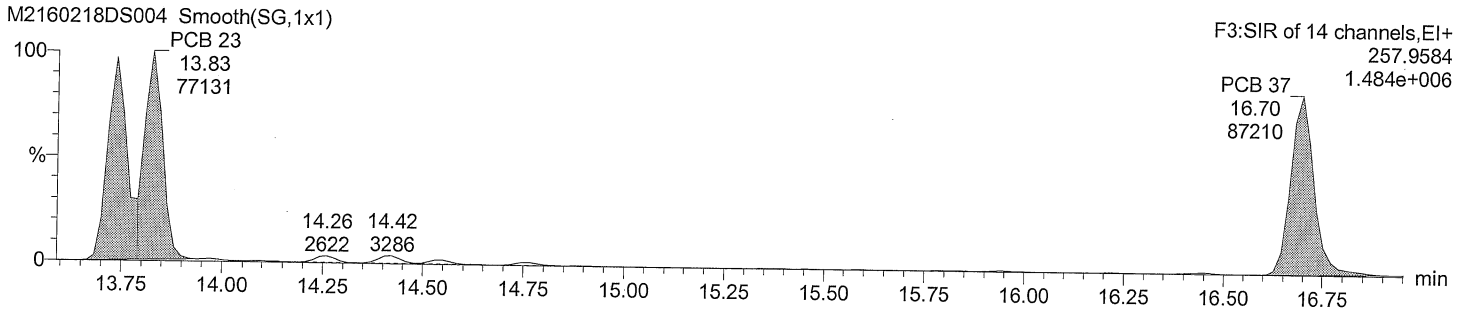
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Description: SPIKE:D1  
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Date: 18-FEB-2016  
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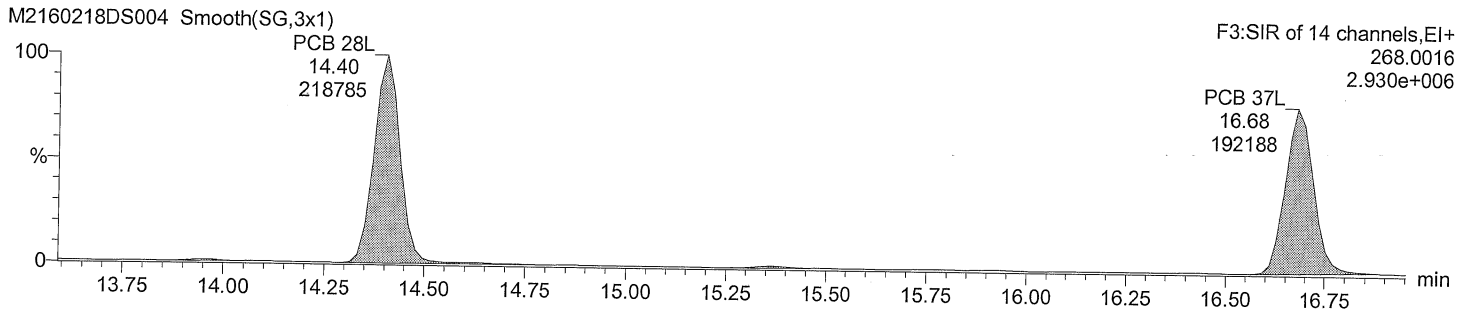
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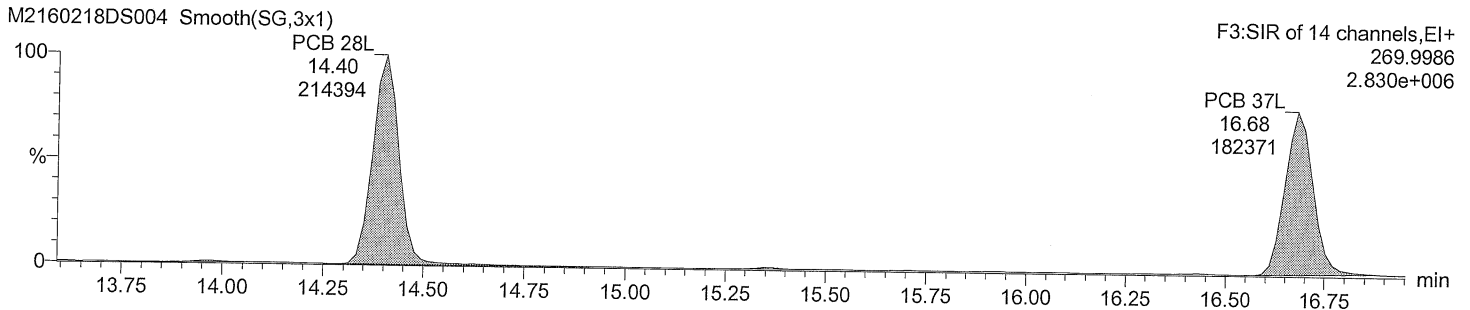
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**Total TriCB labeled F3**



**Total TriCB labeled F3**



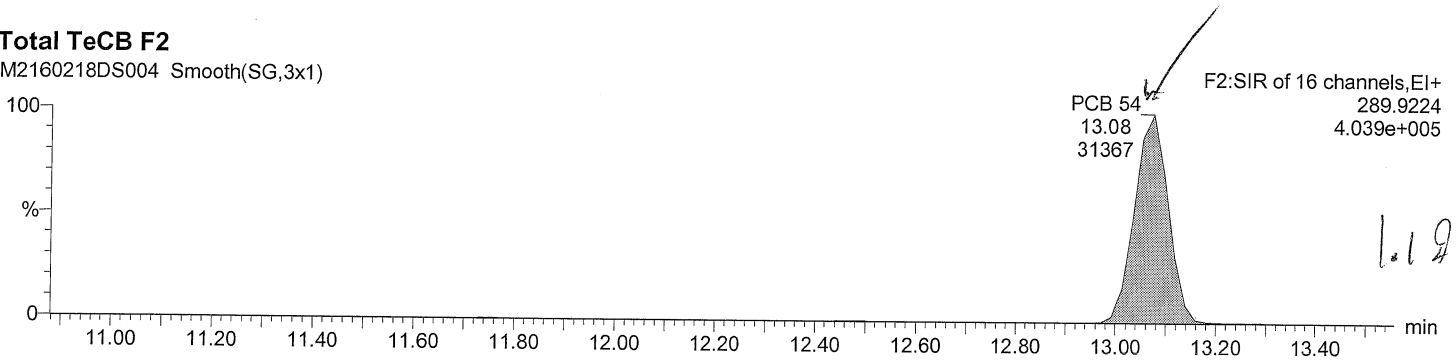
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Description: SPIKE:D1  
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Date: 18-FEB-2016  
Time: 20:57:58

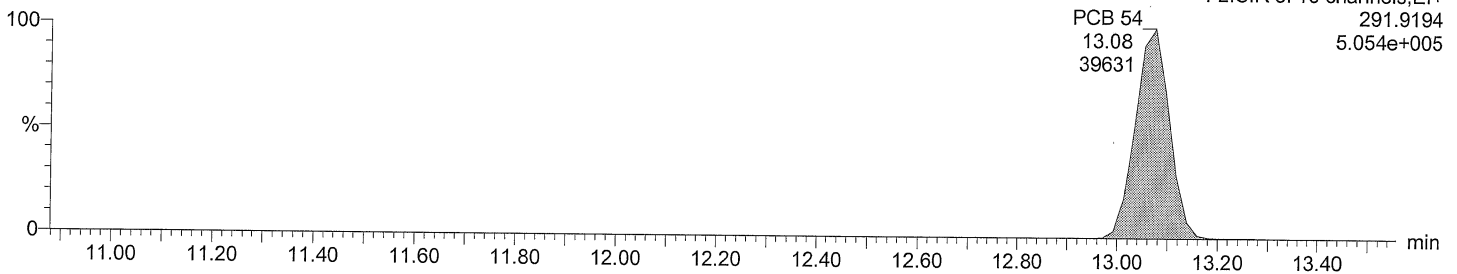
**Total TeCB F2**

M2160218DS004 Smooth(SG,3x1)



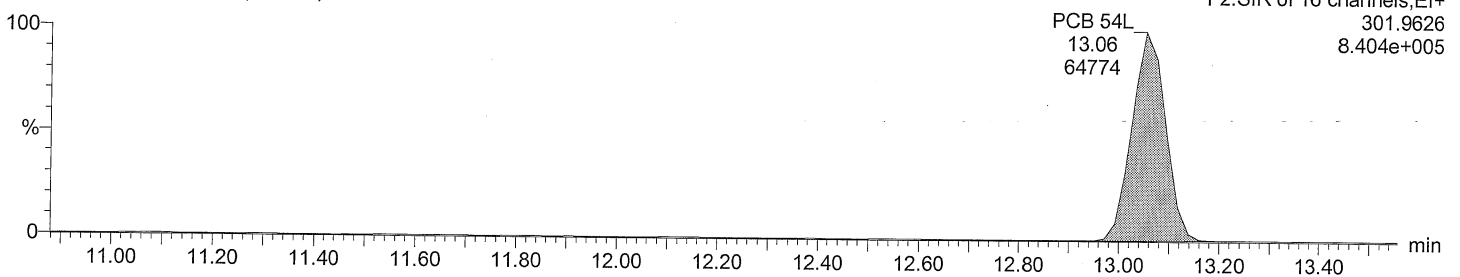
**Total TeCB F2**

M2160218DS004 Smooth(SG,3x1)



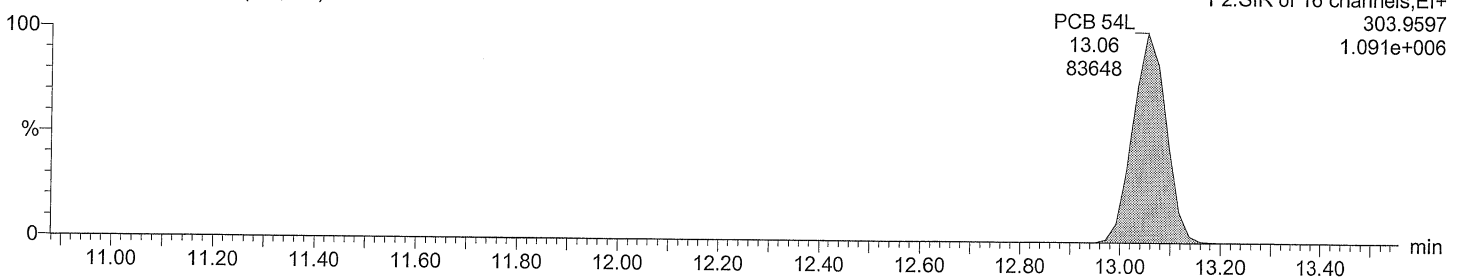
**Total TeCB labeled F2**

M2160218DS004 Smooth(SG,3x1)



**Total TeCB labeled F2**

M2160218DS004 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time

Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE:D1

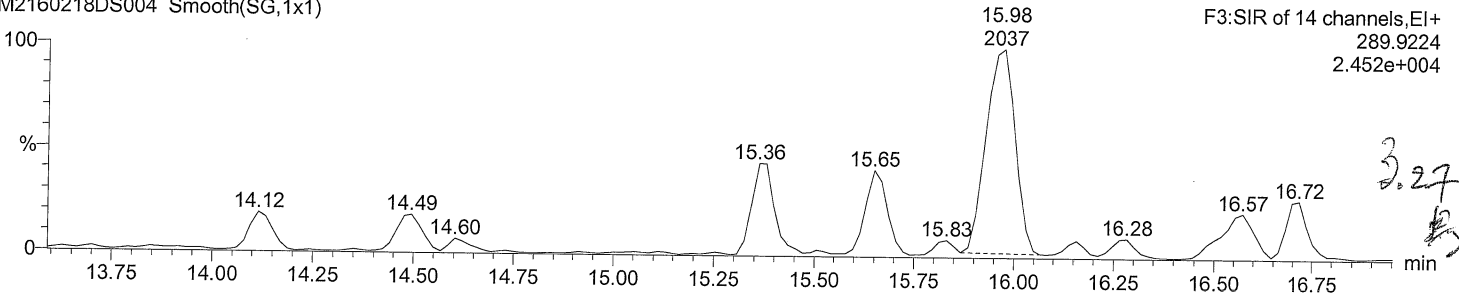
Vial: 4

Date: 18-FEB-2016

Time: 20:57:58

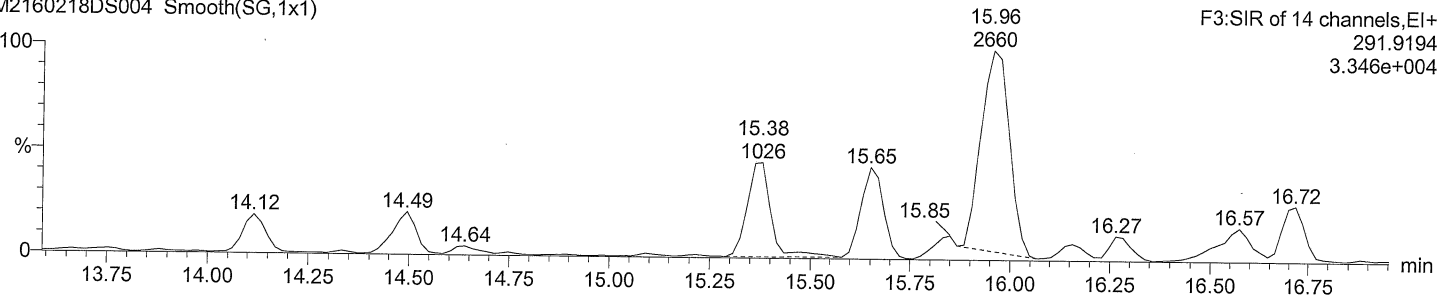
Total TeCB F3

M2160218DS004 Smooth(SG,1x1)



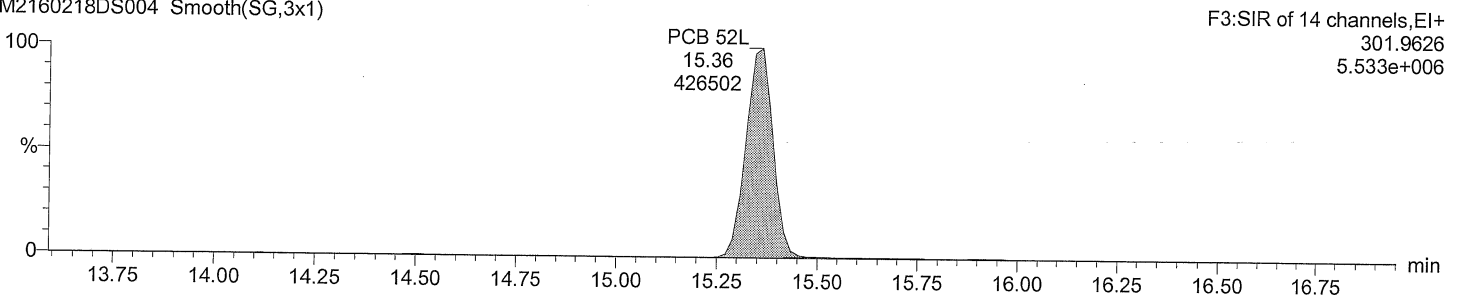
Total TeCB F3

M2160218DS004 Smooth(SG,1x1)



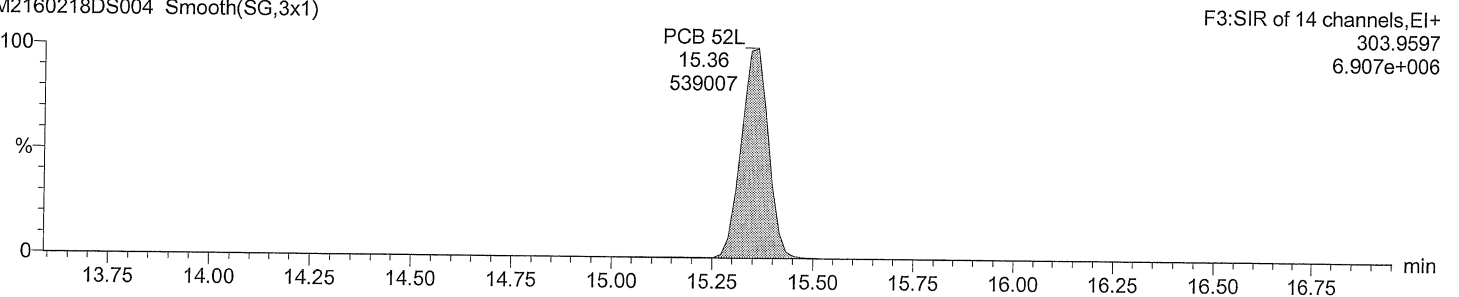
Total TeCB labeled F3

M2160218DS004 Smooth(SG,3x1)



Total TeCB labeled F3

M2160218DS004 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time

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ID: WS#4386412/4378609, Ti

Description: SPIKE:D1

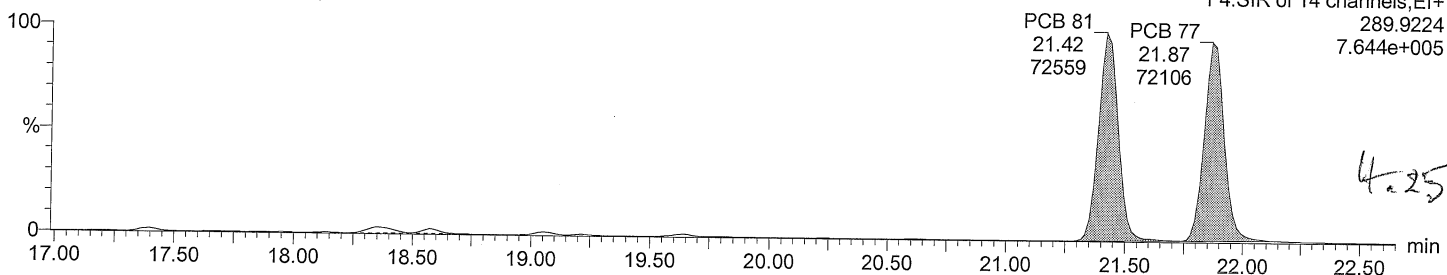
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Date: 18-FEB-2016

Time: 20:57:58

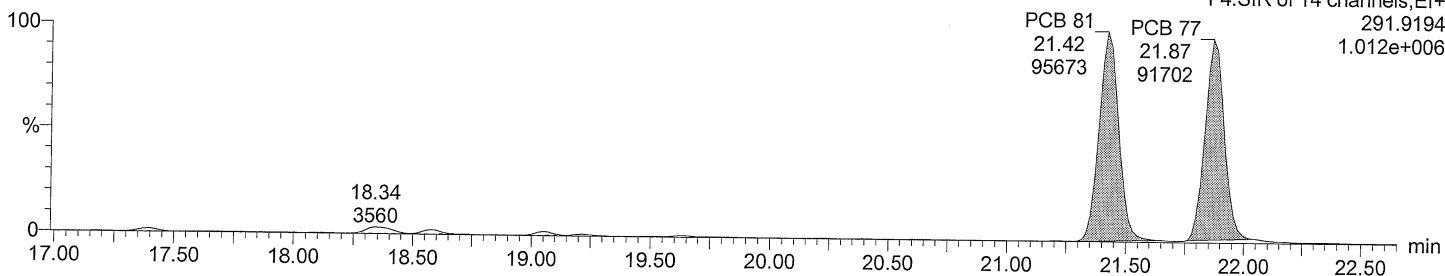
Total TeCB F4

M2160218DS004 Smooth(SG,3x1)



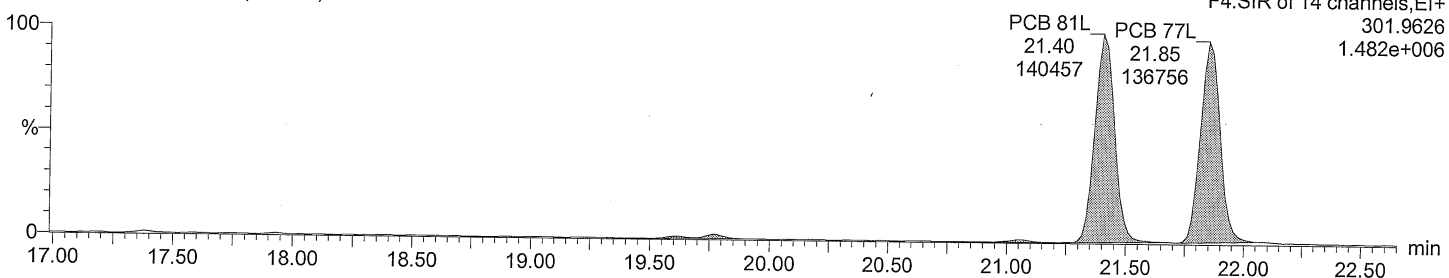
Total TeCB F4

M2160218DS004 Smooth(SG,3x1)



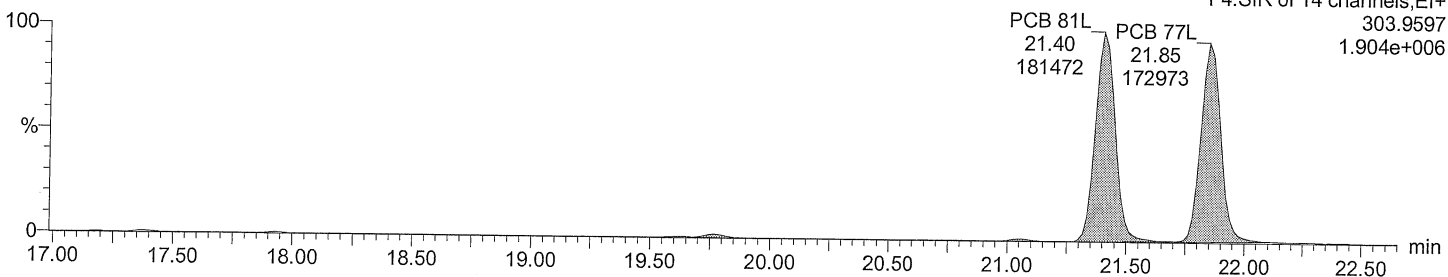
Total TeCB labeled F4

M2160218DS004 Smooth(SG,3x1)



Total TeCB labeled F4

M2160218DS004 Smooth(SG,3x1)



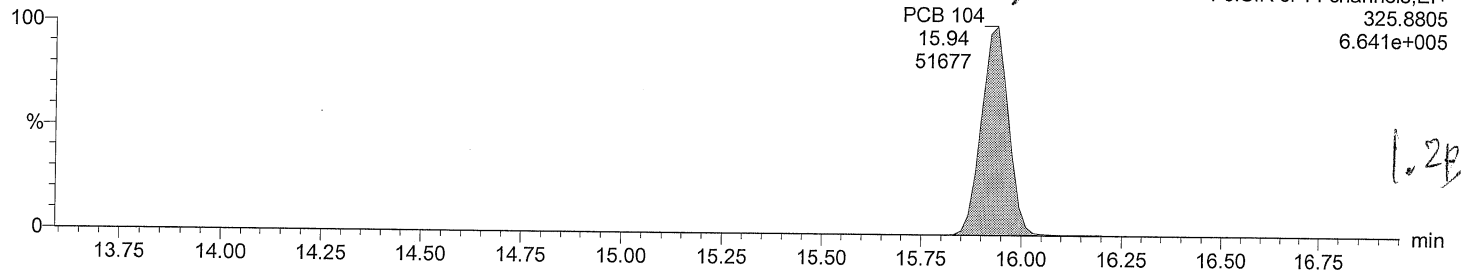
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Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time  
Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE:D1  
Vial: 4  
Date: 18-FEB-2016  
Time: 20:57:58

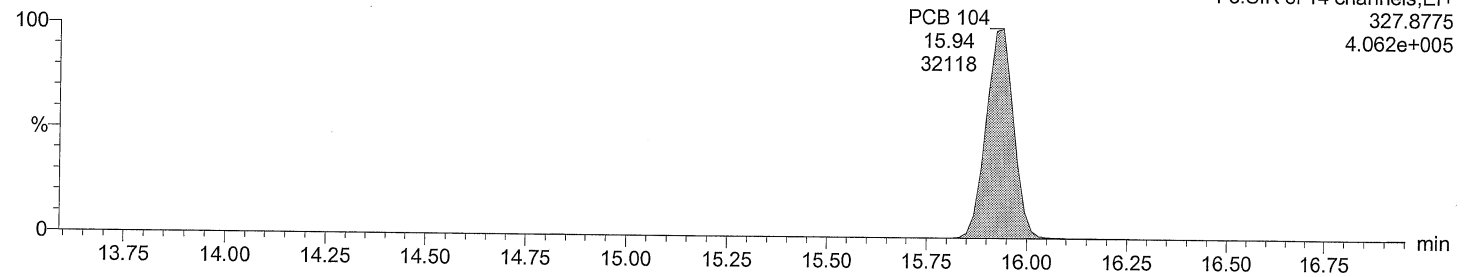
**Total PeCB F3**

M2160218DS004 Smooth(SG,3x1)



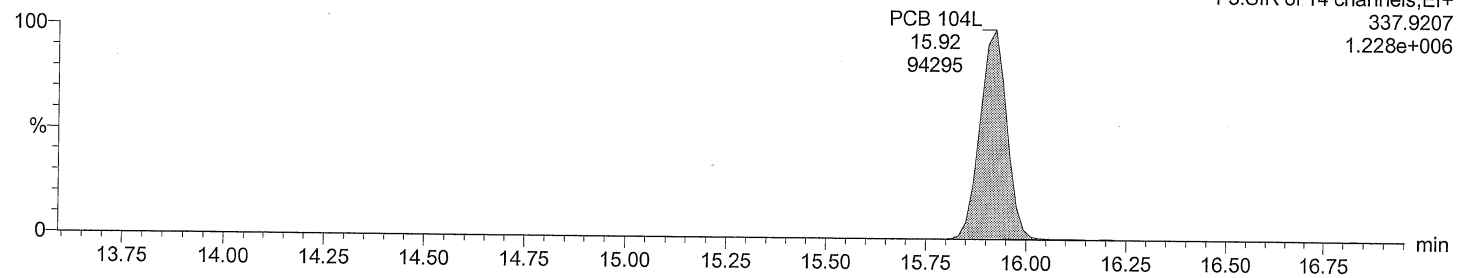
**Total PeCB F3**

M2160218DS004 Smooth(SG,3x1)



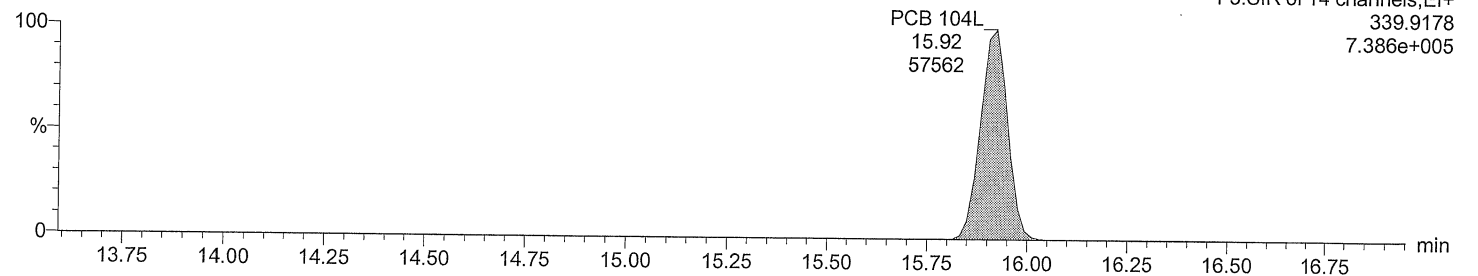
**Total PeCB labeled F3**

M2160218DS004 Smooth(SG,3x1)



**Total PeCB labeled F3**

M2160218DS004 Smooth(SG,3x1)

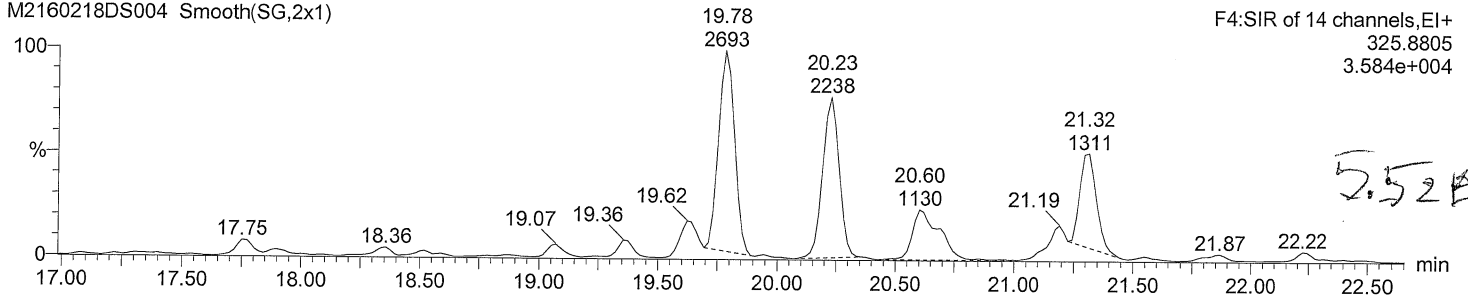


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Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time  
Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

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Description: SPIKE:D1  
Vial: 4  
Date: 18-FEB-2016  
Time: 20:57:58

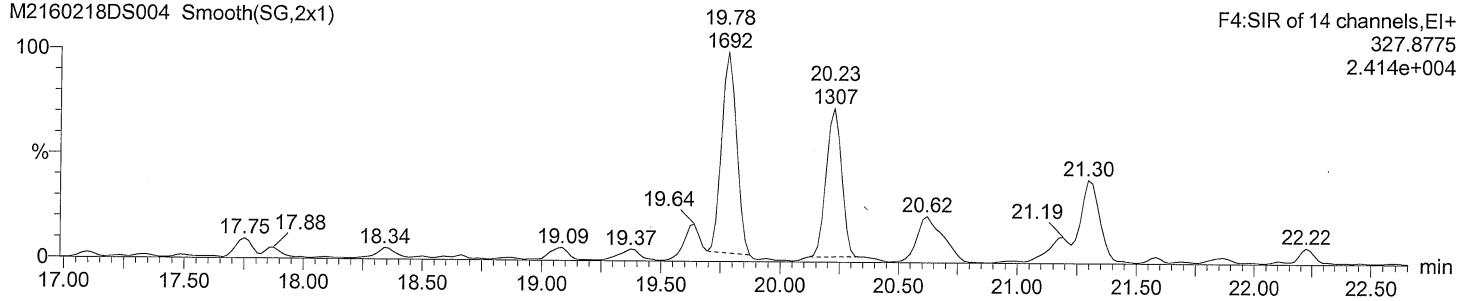
**Total PeCB F4**

M2160218DS004 Smooth(SG,2x1)



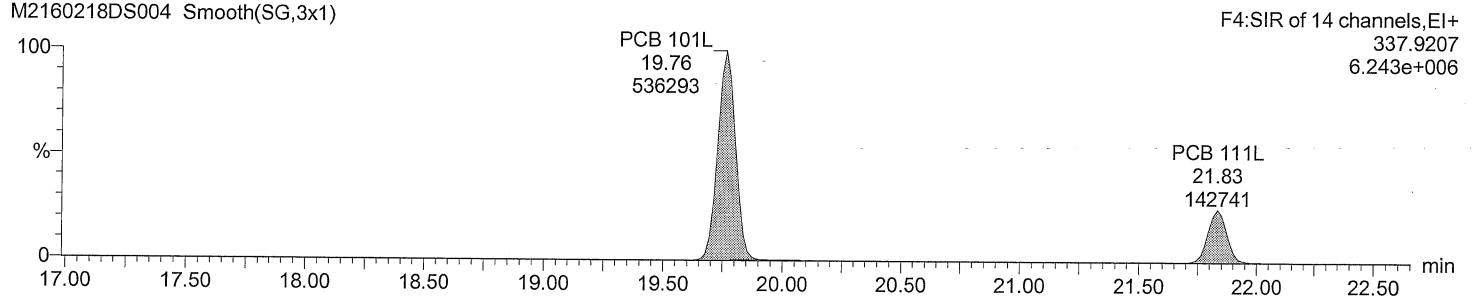
**Total PeCB F4**

M2160218DS004 Smooth(SG,2x1)



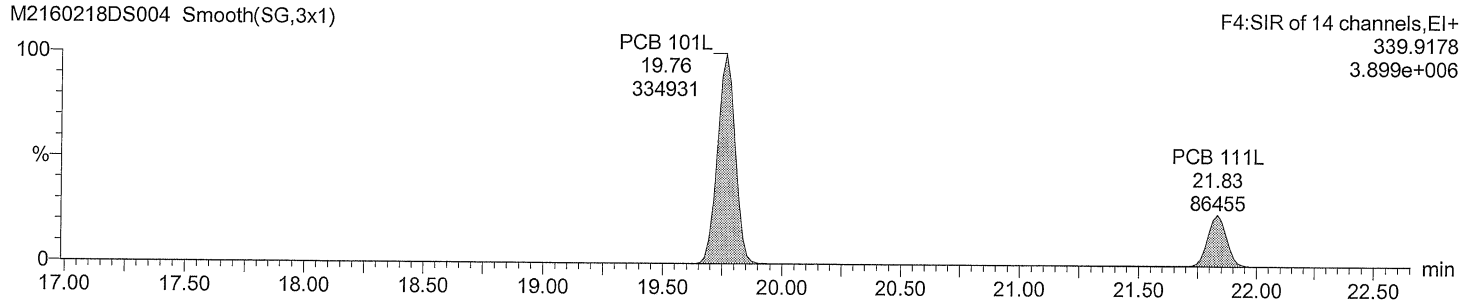
**Total PeCB labeled F4**

M2160218DS004 Smooth(SG,3x1)



**Total PeCB labeled F4**

M2160218DS004 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time

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ID: WS#4386412/4378609, Ti

Description: SPIKE:D1

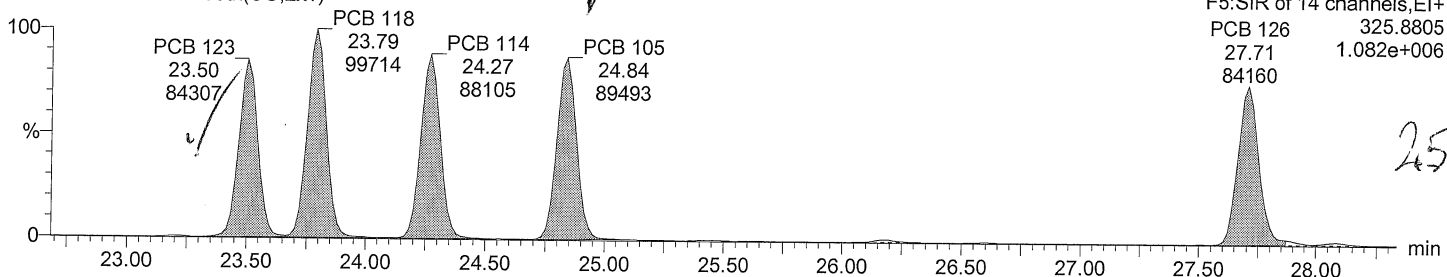
Vial: 4

Date: 18-FEB-2016

Time: 20:57:58

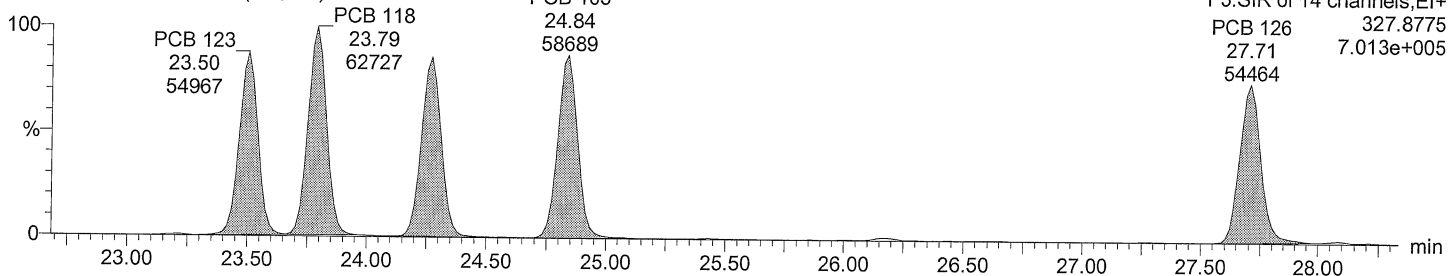
Total PeCB F5

M2160218DS004 Smooth(SG,2x1)



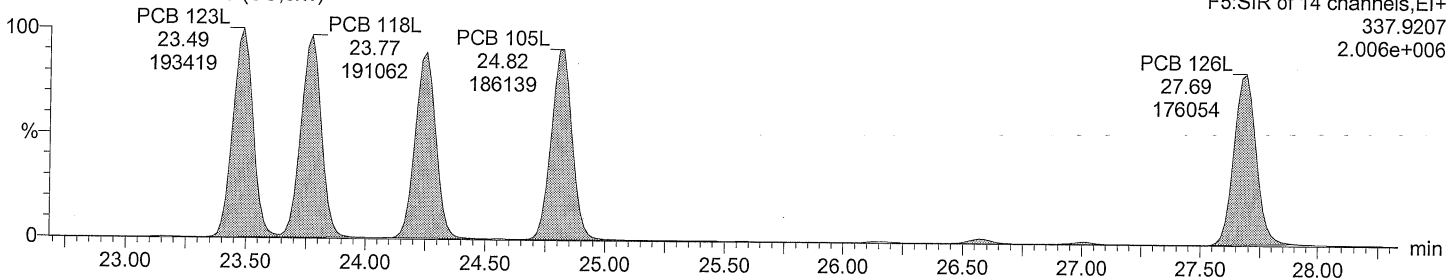
Total PeCB F5

M2160218DS004 Smooth(SG,2x1)



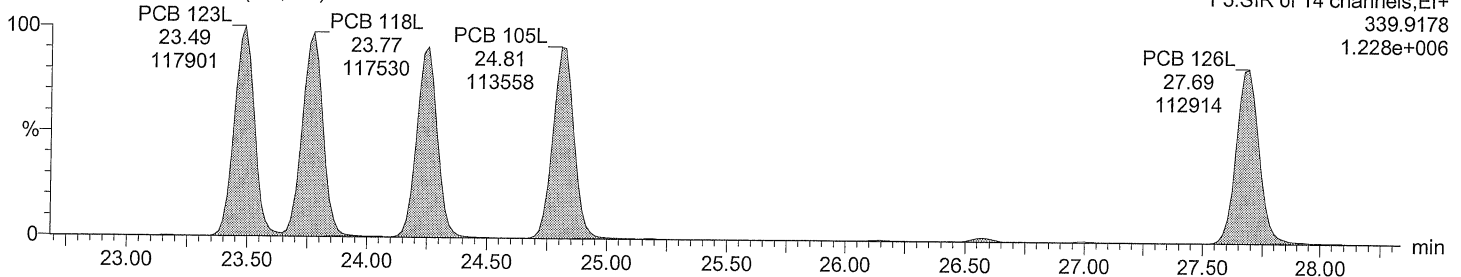
Total PeCB labeled F5

M2160218DS004 Smooth(SG,3x1)



Total PeCB labeled F5

M2160218DS004 Smooth(SG,3x1)





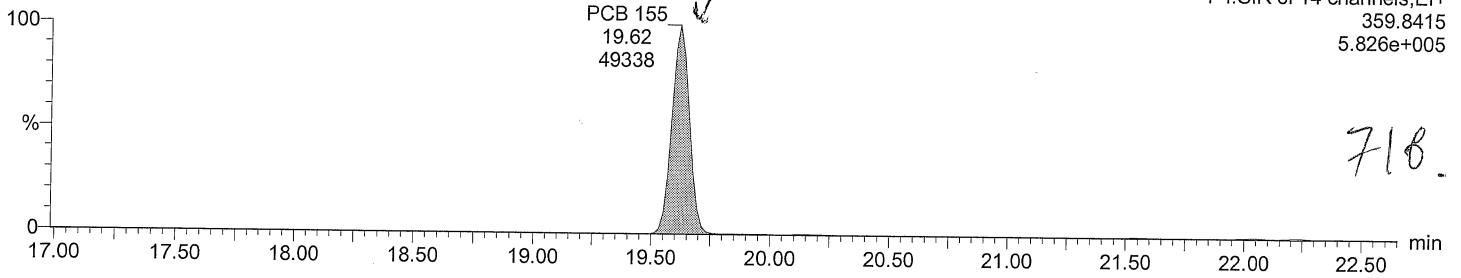
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Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time  
Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE:D1  
Vial: 4  
Date: 18-FEB-2016  
Time: 20:57:58

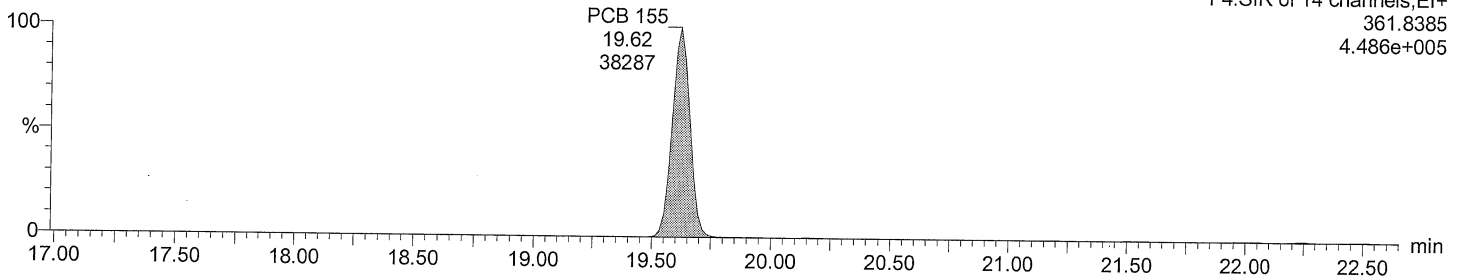
**Total HxCB F4**

M2160218DS004 Smooth(SG,3x1)



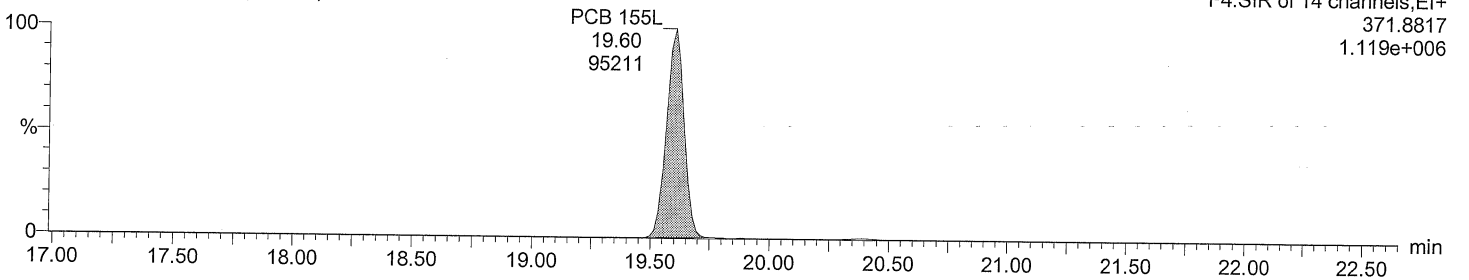
**Total HxCB F4**

M2160218DS004 Smooth(SG,3x1)



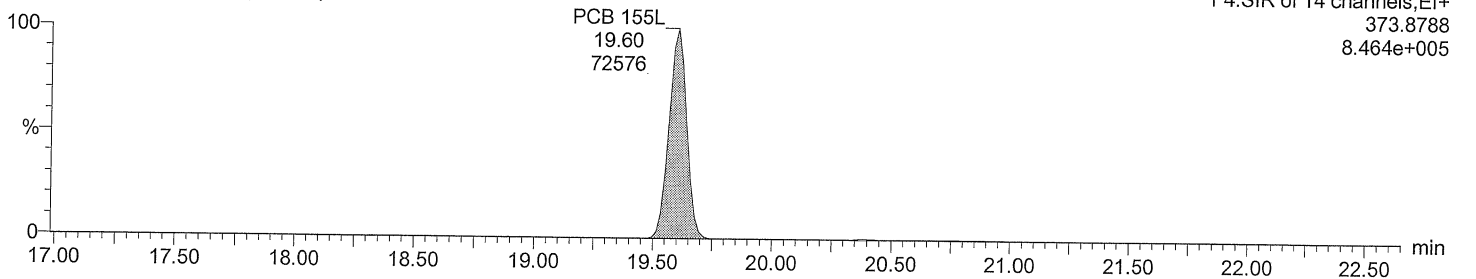
**Total HxCB labeled F4**

M2160218DS004 Smooth(SG,3x1)



**Total HxCB labeled F4**

M2160218DS004 Smooth(SG,3x1)



Acquired Date

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Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time

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ID: WS#4386412/4378609, Ti

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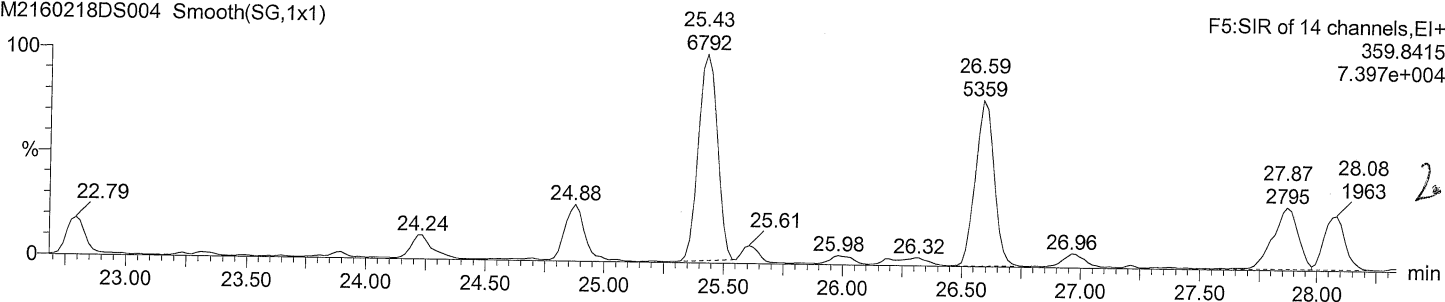
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Time: 20:57:58

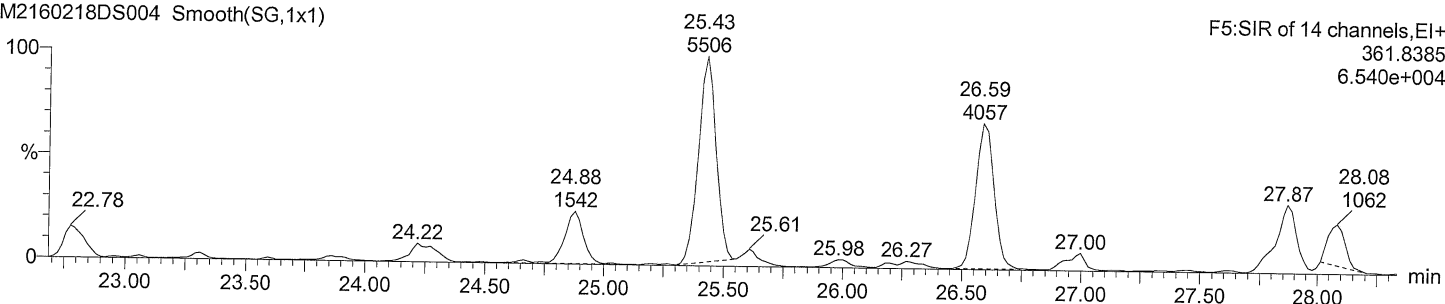
Total HxCB F5

M2160218DS004 Smooth(SG,1x1)



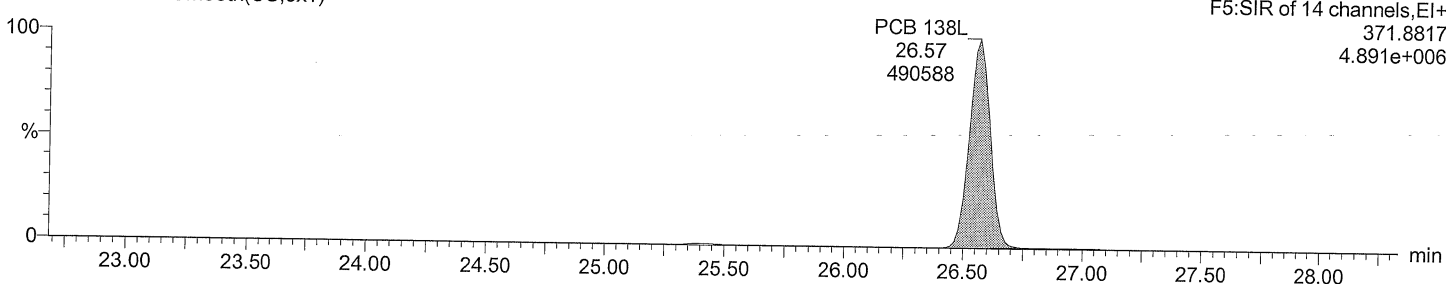
Total HxCB F5

M2160218DS004 Smooth(SG,1x1)



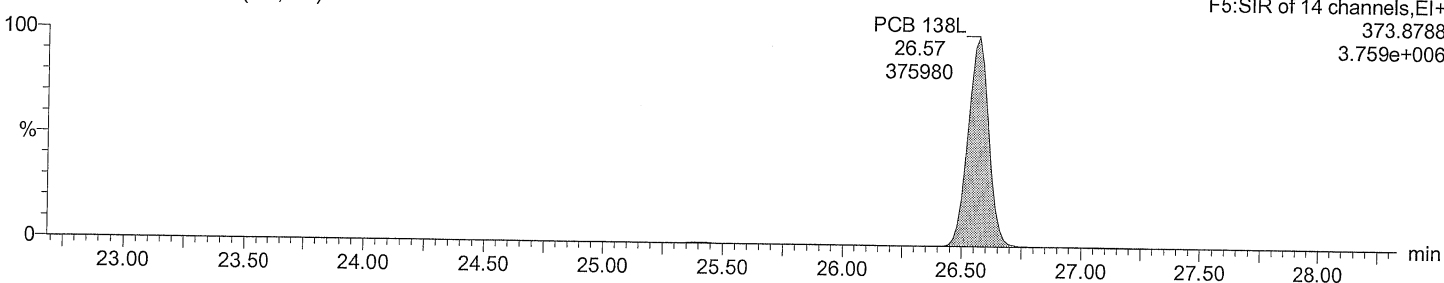
Total HxCB labeled F5

M2160218DS004 Smooth(SG,3x1)



Total HxCB labeled F5

M2160218DS004 Smooth(SG,3x1)



Acquired Date

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ID: WS#4386412/4378609, Ti

Description: SPIKE:D1

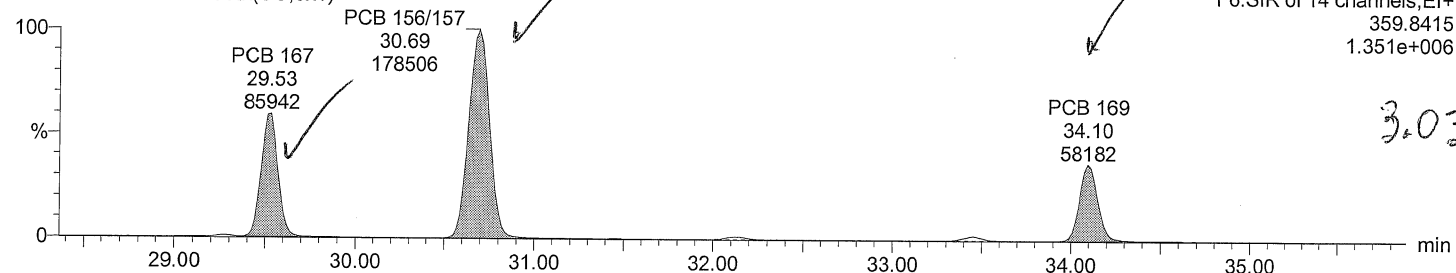
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Date: 18-FEB-2016

Time: 20:57:58

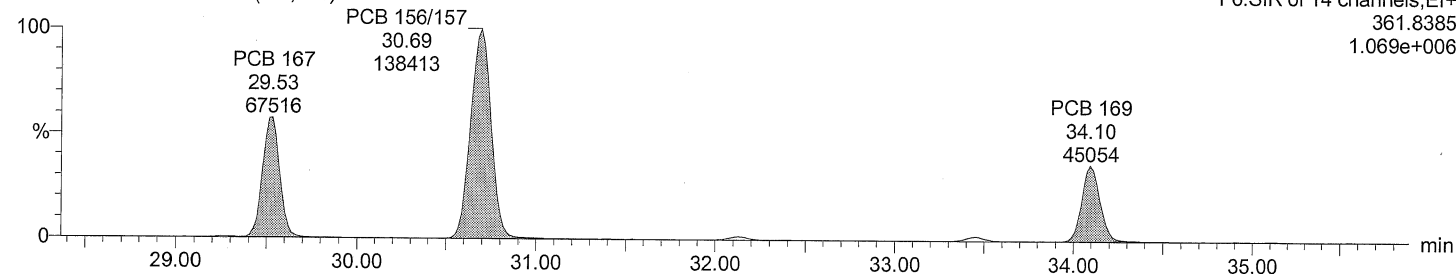
Total HxCB F6

M2160218DS004 Smooth(SG,3x1)



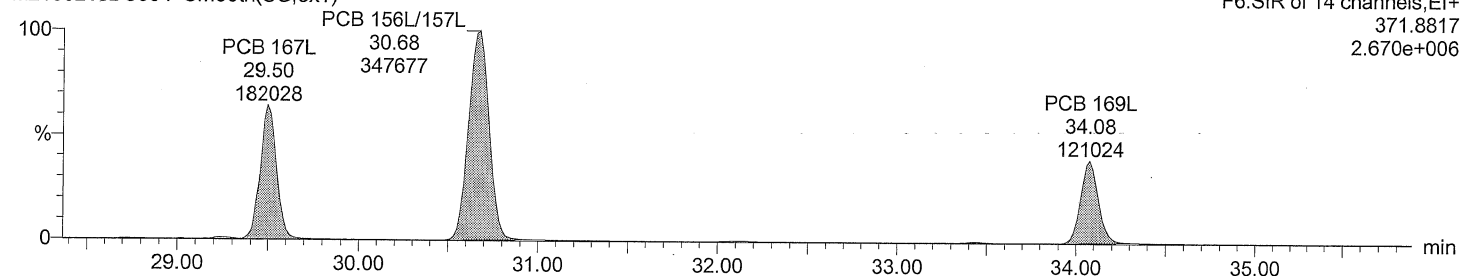
Total HxCB F6

M2160218DS004 Smooth(SG,3x1)



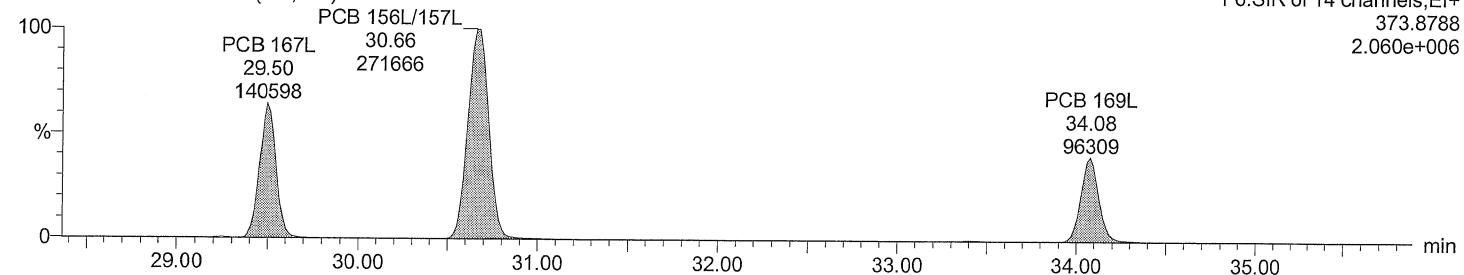
Total HxCB labeled F6

M2160218DS004 Smooth(SG,3x1)



Total HxCB labeled F6

M2160218DS004 Smooth(SG,3x1)



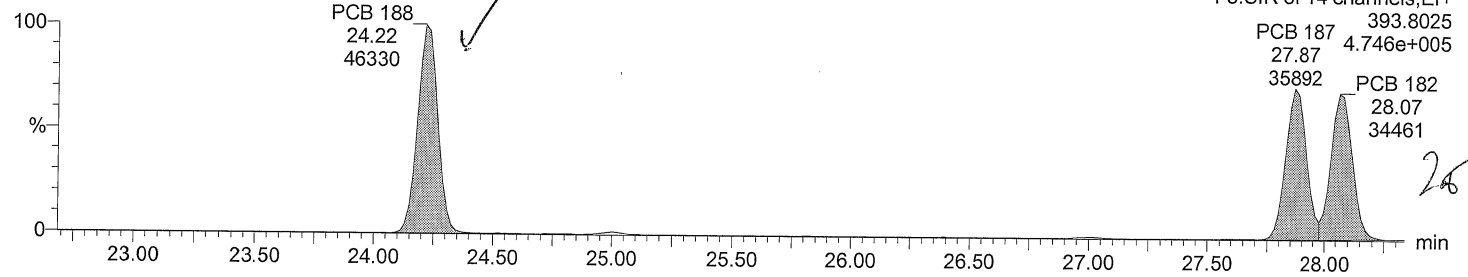
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Vial: 4  
Date: 18-FEB-2016  
Time: 20:57:58

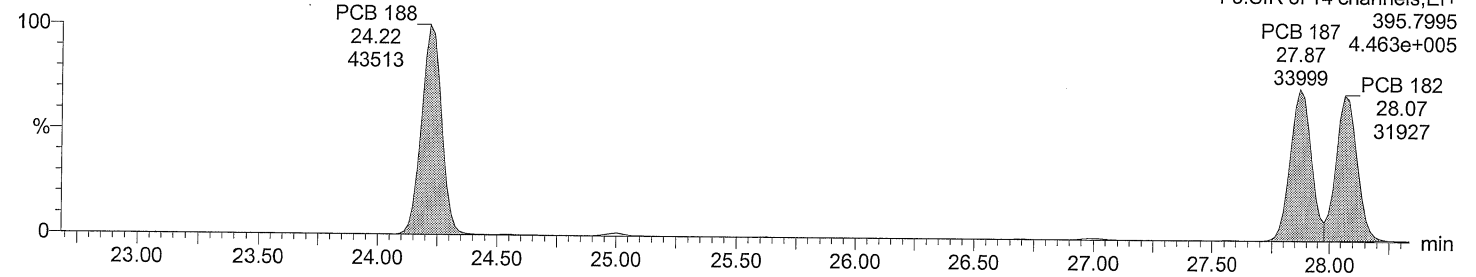
Total HpCB F5

M2160218DS004 Smooth(SG,3x1)



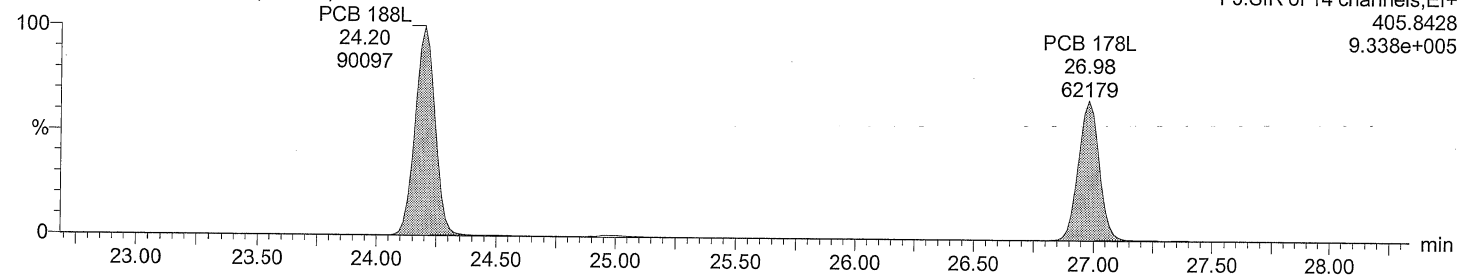
Total HpCB F5

M2160218DS004 Smooth(SG,3x1)



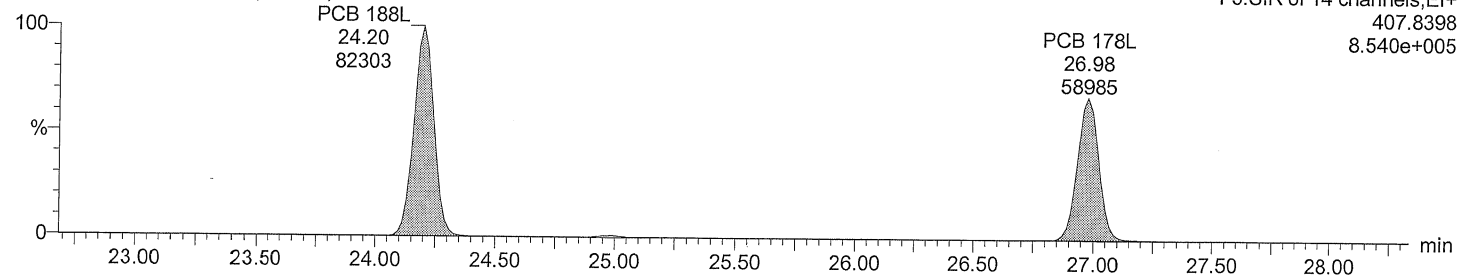
Total HpCB labeled F5

M2160218DS004 Smooth(SG,3x1)



Total HpCB labeled F5

M2160218DS004 Smooth(SG,3x1)



Acquired Date

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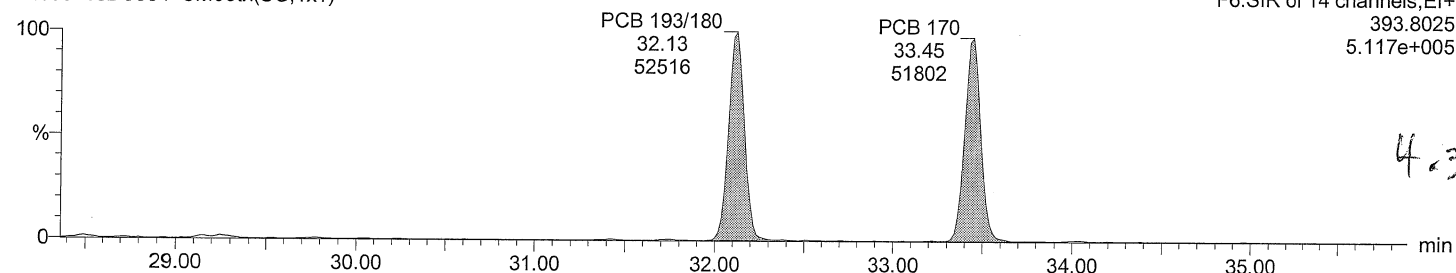
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Date: 18-FEB-2016

Time: 20:57:58

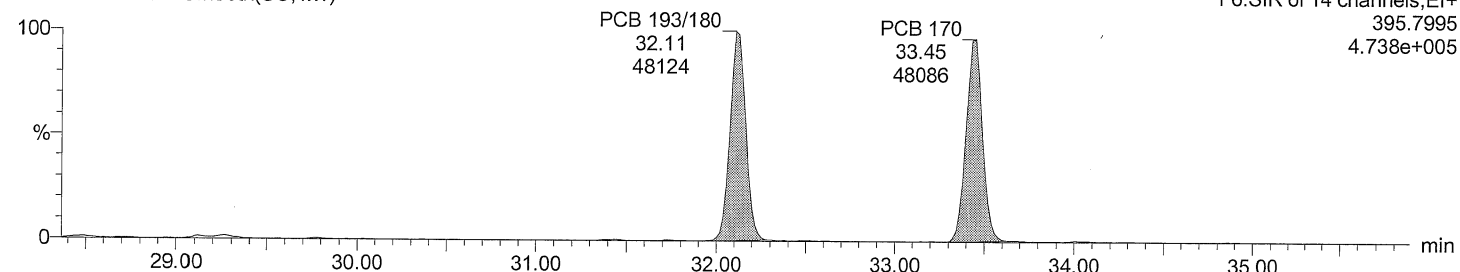
Total HpCB F6

M2160218DS004 Smooth(SG,1x1)



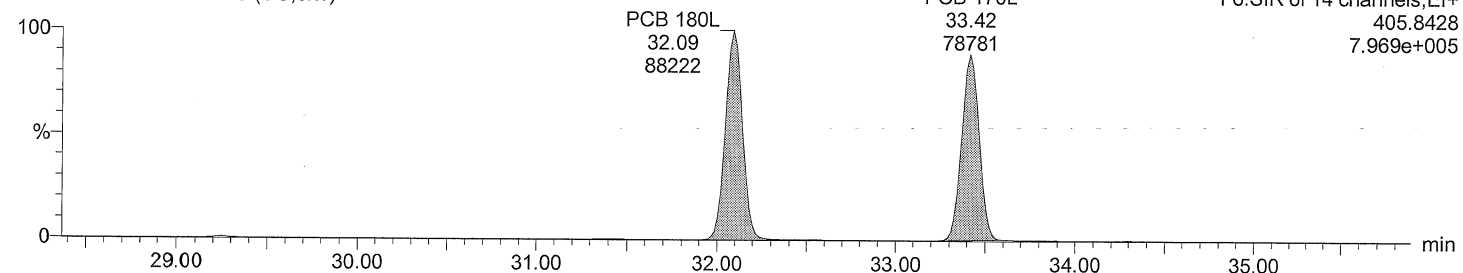
Total HpCB F6

M2160218DS004 Smooth(SG,1x1)



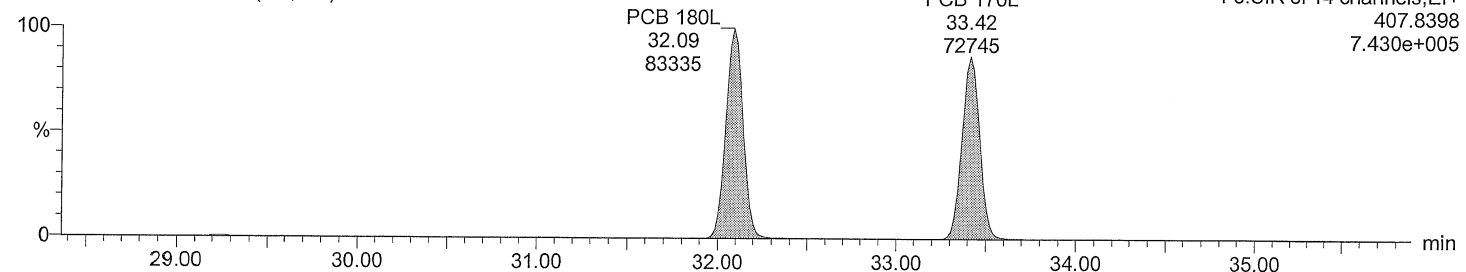
Total HpCB labeled F6

M2160218DS004 Smooth(SG,3x1)



Total HpCB labeled F6

M2160218DS004 Smooth(SG,3x1)



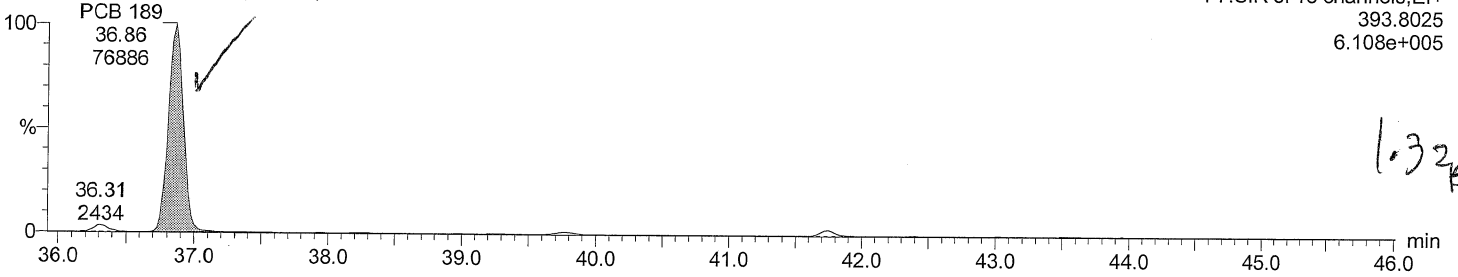
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Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time  
Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE:D1  
Vial: 4  
Date: 18-FEB-2016  
Time: 20:57:58

Total HpCB F7

M2160218DS004 Smooth(SG,3x1)

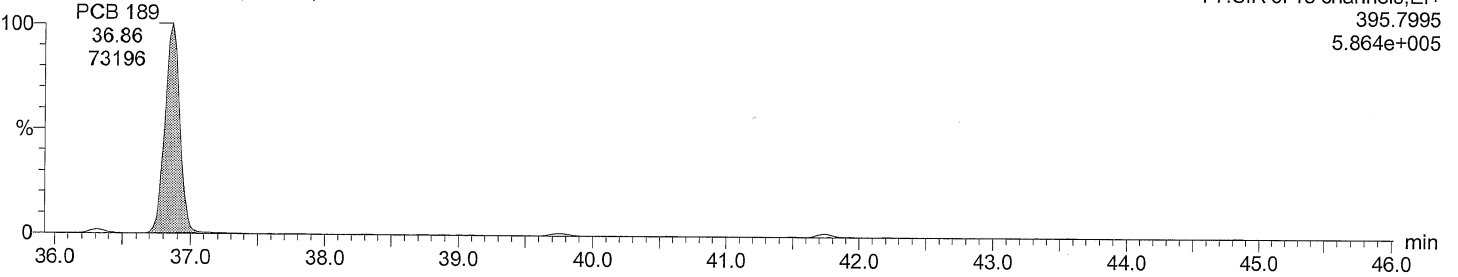
F7:SIR of 18 channels,EI+  
393.8025  
6.108e+005



Total HpCB F7

M2160218DS004 Smooth(SG,3x1)

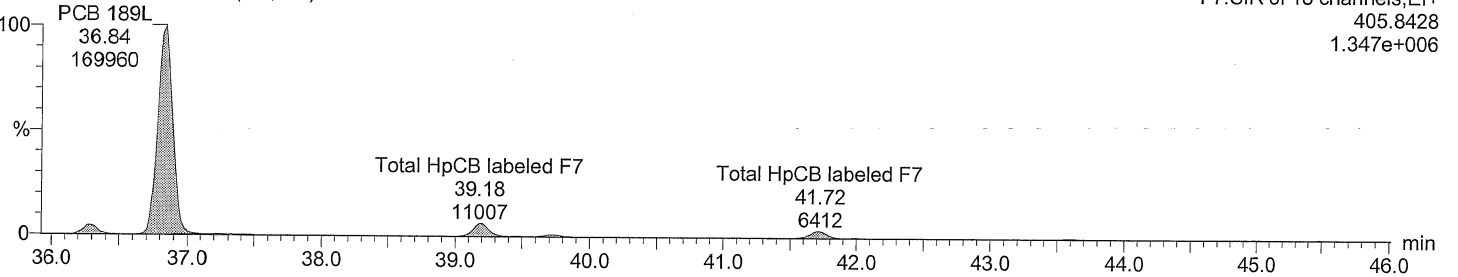
F7:SIR of 18 channels,EI+  
395.7995  
5.864e+005



Total HpCB labeled F7

M2160218DS004 Smooth(SG,3x1)

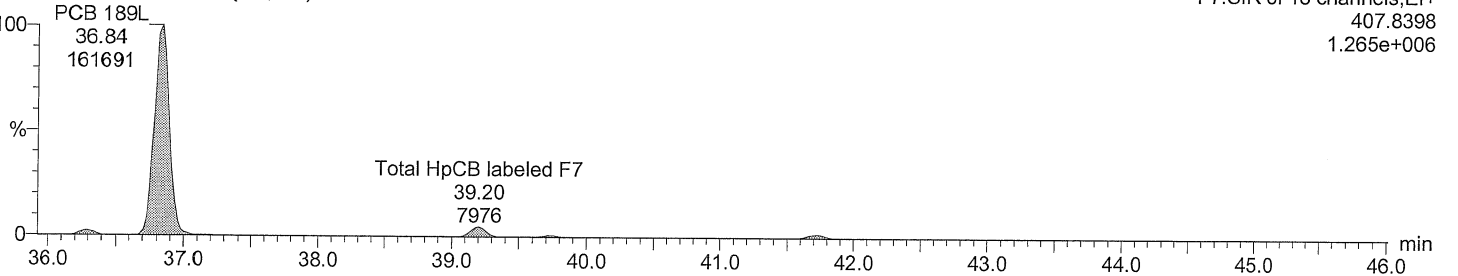
F7:SIR of 18 channels,EI+  
405.8428  
1.347e+006



Total HpCB labeled F7

M2160218DS004 Smooth(SG,3x1)

F7:SIR of 18 channels,EI+  
407.8398  
1.265e+006



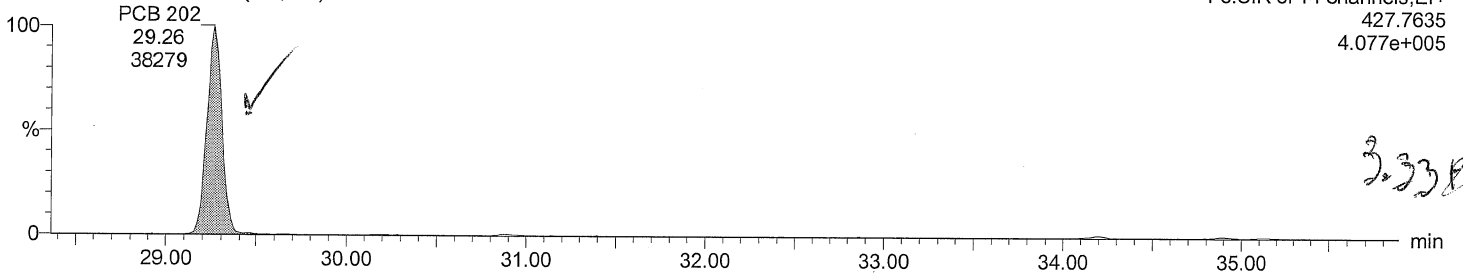
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Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time  
Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: SPIKE:D1  
Vial: 4  
Date: 18-FEB-2016  
Time: 20:57:58

**Total OcCB F6**

M2160218DS004 Smooth(SG,1x1)

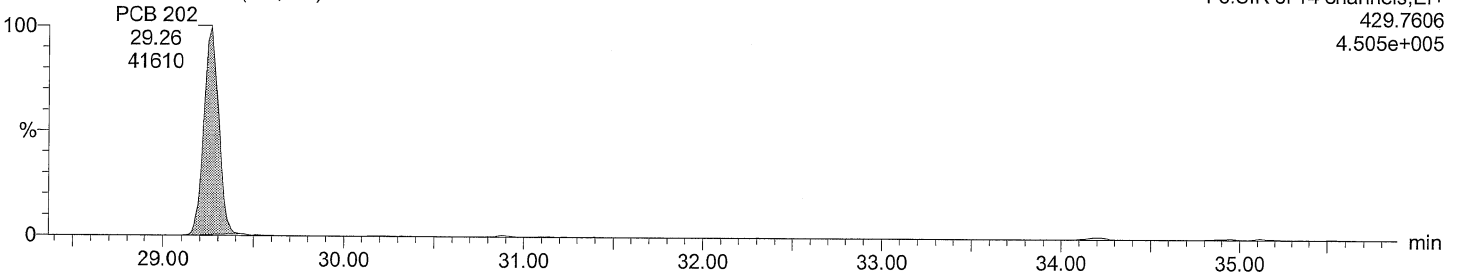
F6:SIR of 14 channels,EI+  
427.7635  
4.077e+005



**Total OcCB F6**

M2160218DS004 Smooth(SG,1x1)

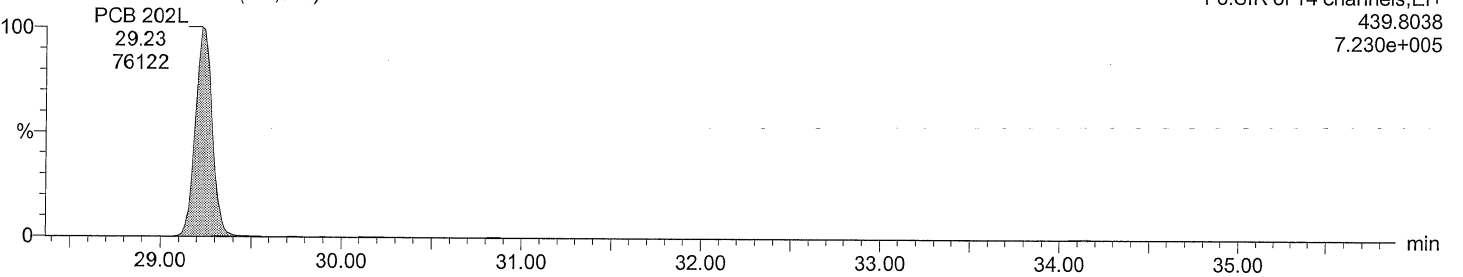
F6:SIR of 14 channels,EI+  
429.7606  
4.505e+005



**Total OcCB labeled F6**

M2160218DS004 Smooth(SG,3x1)

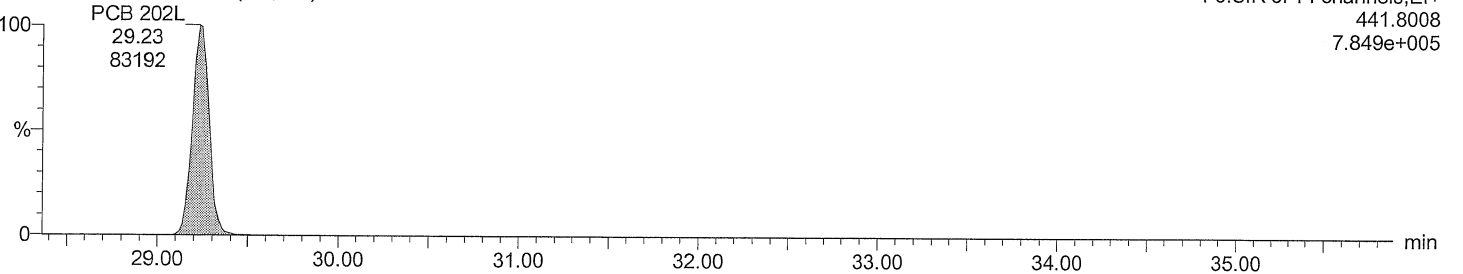
F6:SIR of 14 channels,EI+  
439.8038  
7.230e+005



**Total OcCB labeled F6**

M2160218DS004 Smooth(SG,3x1)

F6:SIR of 14 channels,EI+  
441.8008  
7.849e+005

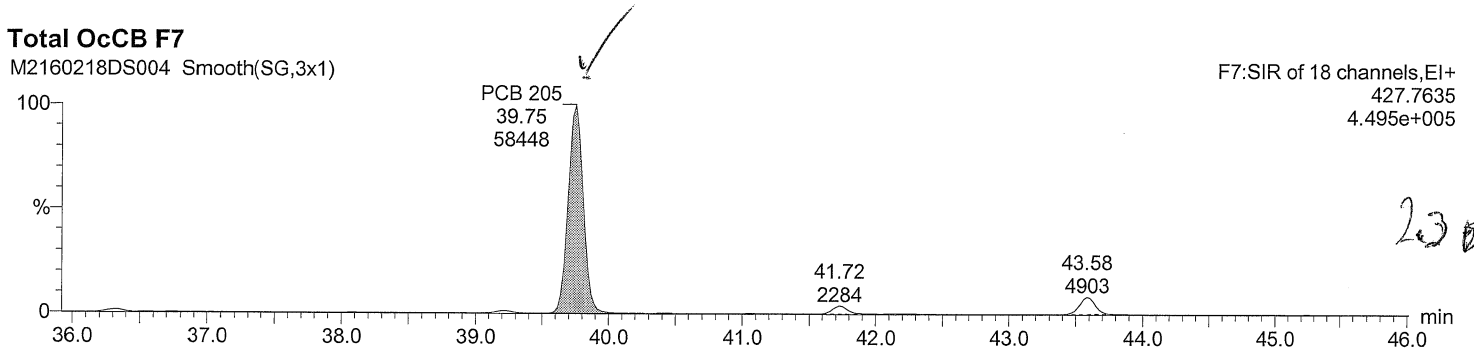


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ID: WS#4386412/4378609, Ti  
Description: SPIKE:D1  
Vial: 4  
Date: 18-FEB-2016  
Time: 20:57:58

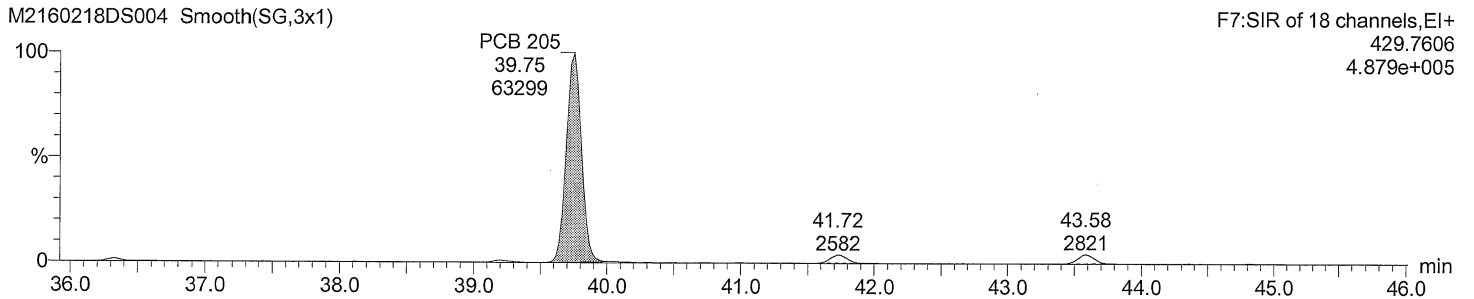
Total OocB F7

M2160218DS004 Smooth(SG,3x1)



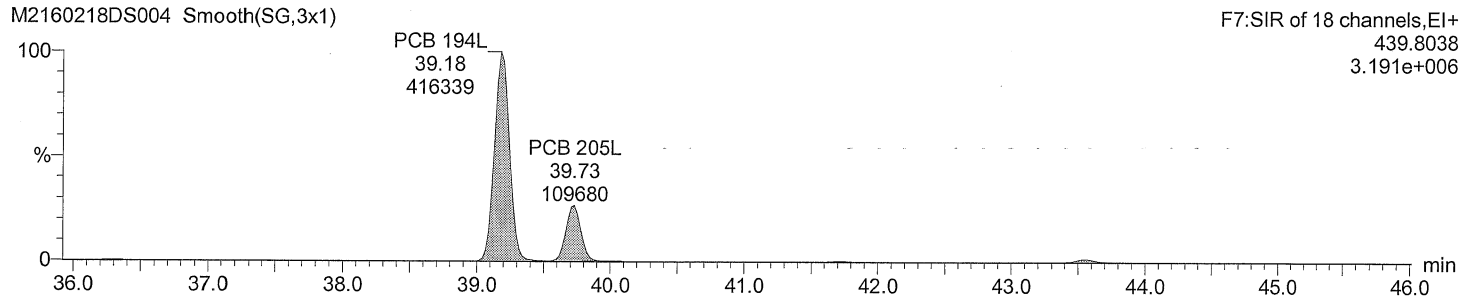
Total OocB F7

M2160218DS004 Smooth(SG,3x1)



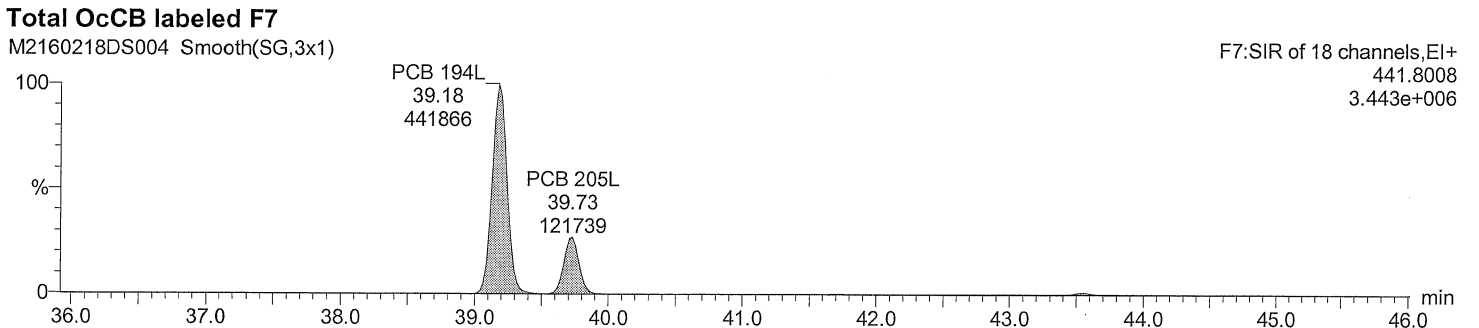
Total OocB labeled F7

M2160218DS004 Smooth(SG,3x1)



Total OocB labeled F7

M2160218DS004 Smooth(SG,3x1)



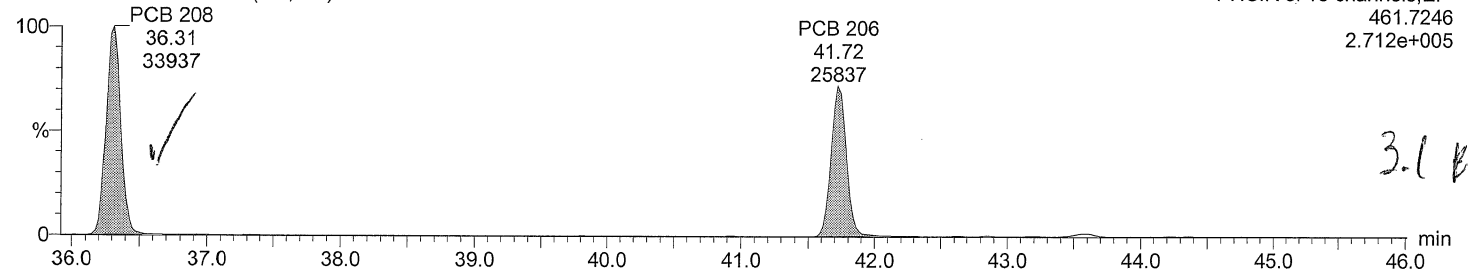


Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld  
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Date: 18-FEB-2016  
Time: 20:57:58

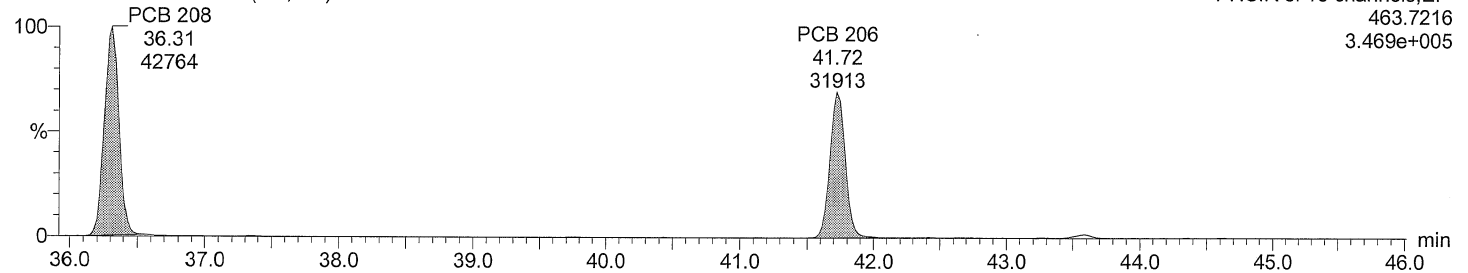
**Total NoCB F7**

M2160218DS004 Smooth(SG,3x1)



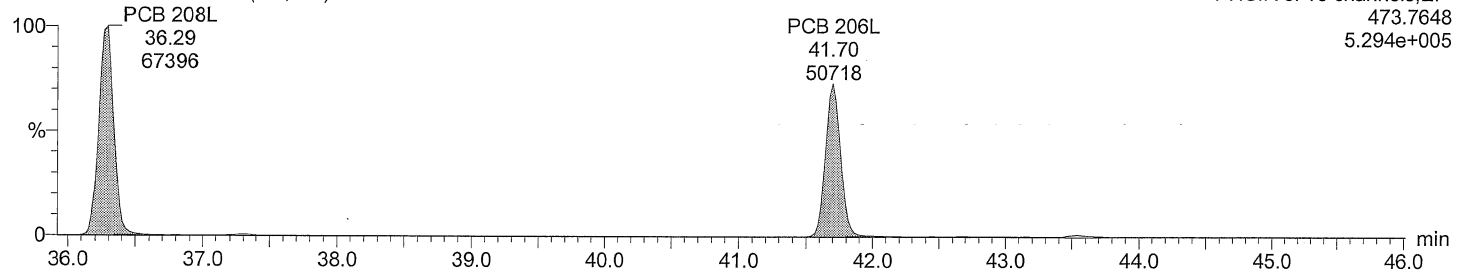
**Total NoCB F7**

M2160218DS004 Smooth(SG,3x1)



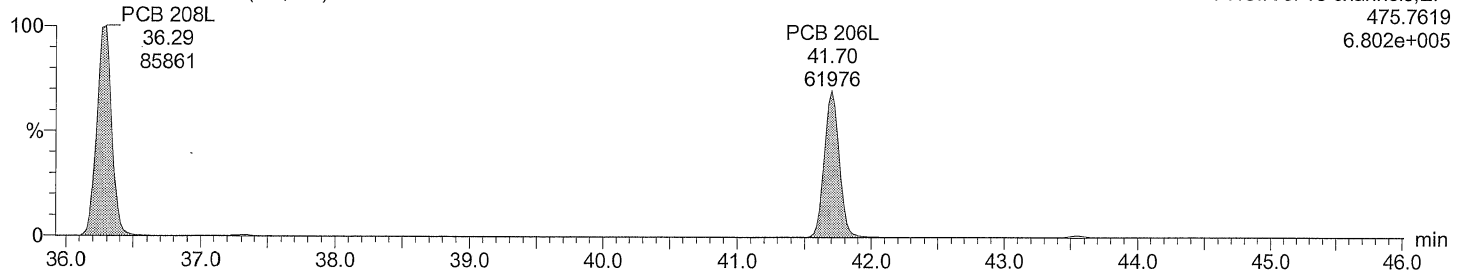
**Total NoCB labeled F7**

M2160218DS004 Smooth(SG,3x1)



**Total NoCB labeled F7**

M2160218DS004 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time

Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE:D1

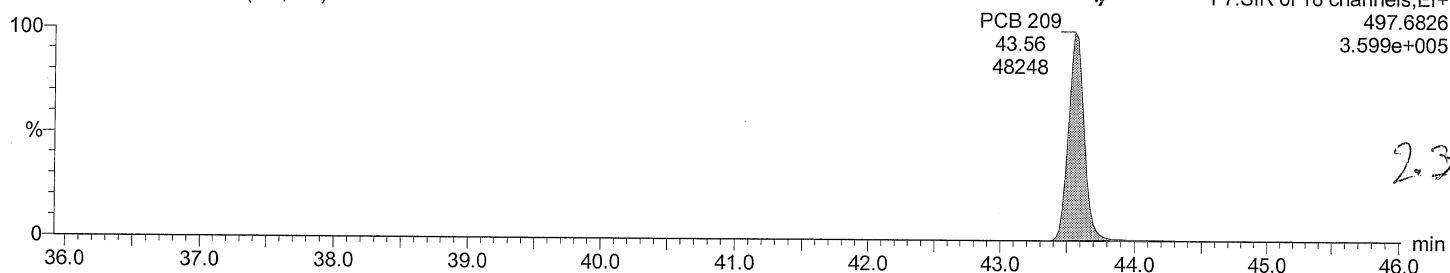
Vial: 4

Date: 18-FEB-2016

Time: 20:57:58

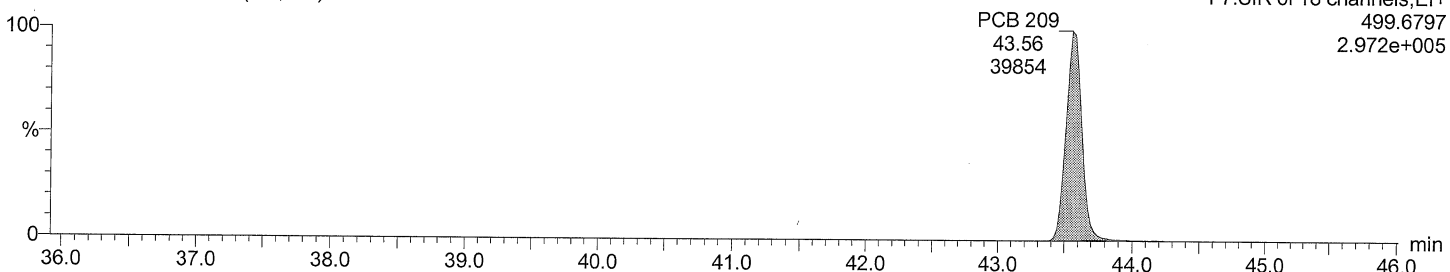
Total DeCB F7

M2160218DS004 Smooth(SG,3x1)



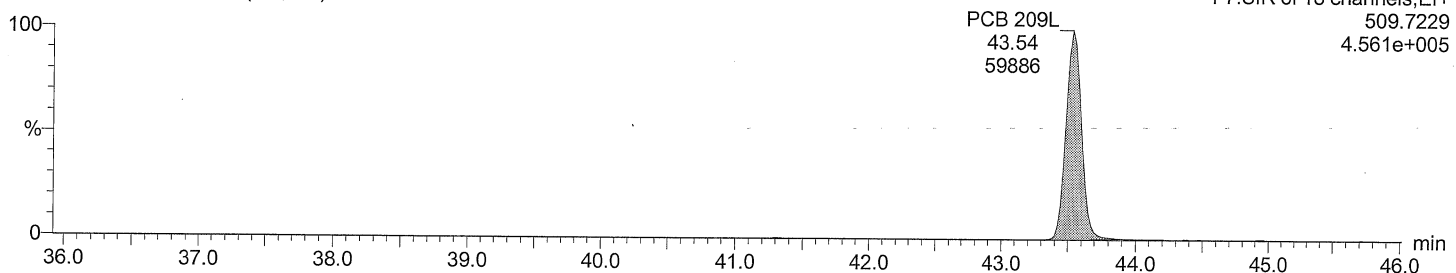
Total DeCB F7

M2160218DS004 Smooth(SG,3x1)



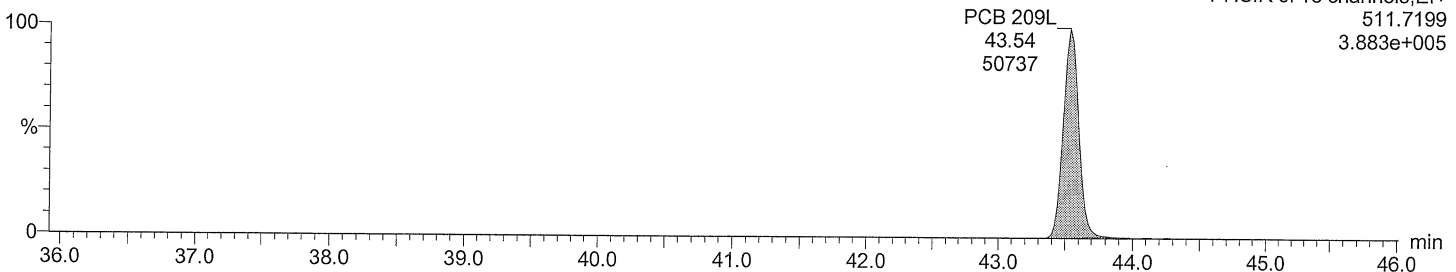
Total DeCB labeled F7

M2160218DS004 Smooth(SG,3x1)



Total DeCB labeled F7

M2160218DS004 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time

Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: SPIKE:D1

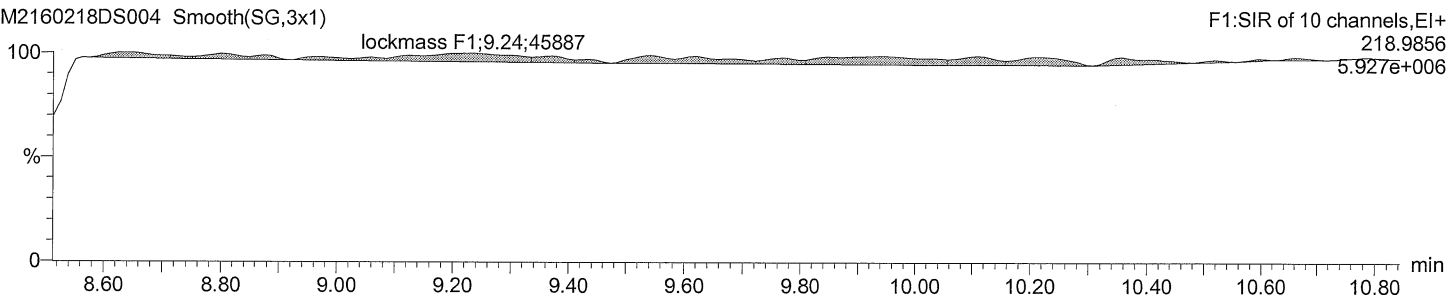
Vial: 4

Date: 18-FEB-2016

Time: 20:57:58

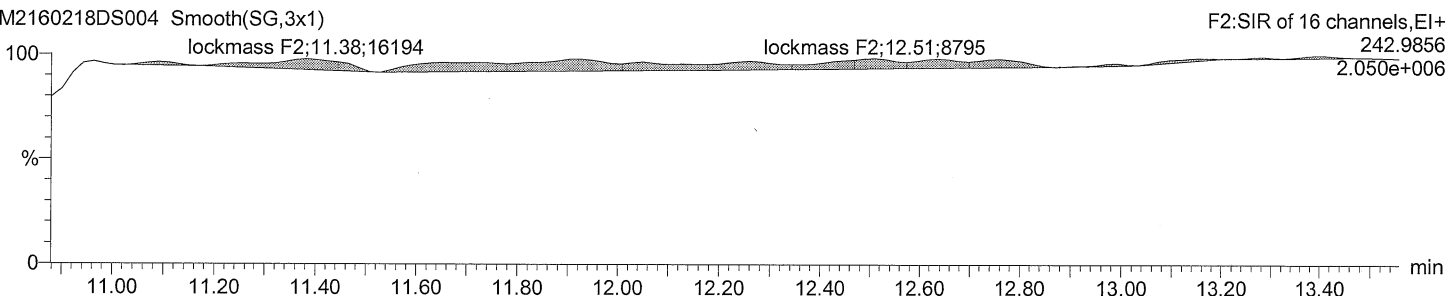
lockmass F1

M2160218DS004 Smooth(SG,3x1)



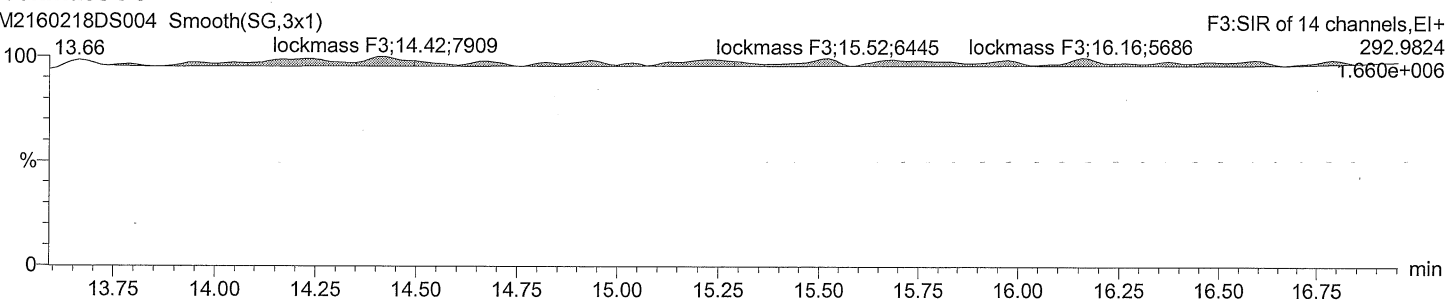
lockmass F2

M2160218DS004 Smooth(SG,3x1)



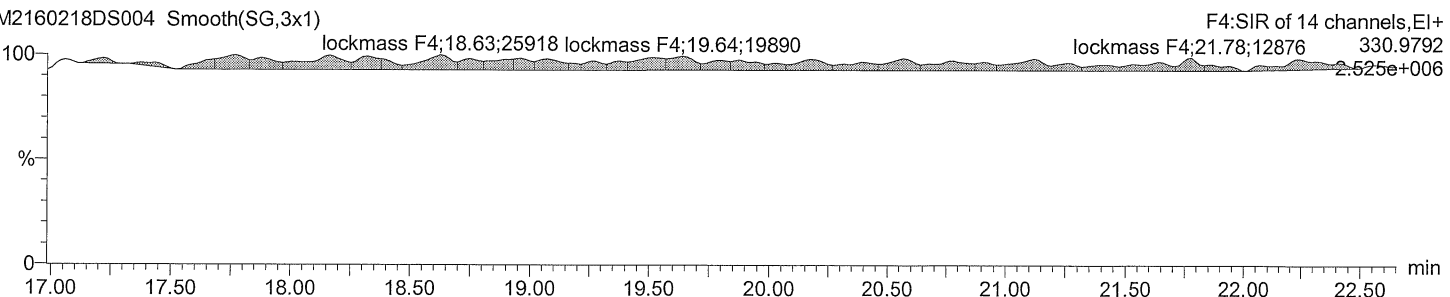
lockmass F3

M2160218DS004 Smooth(SG,3x1)



lockmass F4

M2160218DS004 Smooth(SG,3x1)



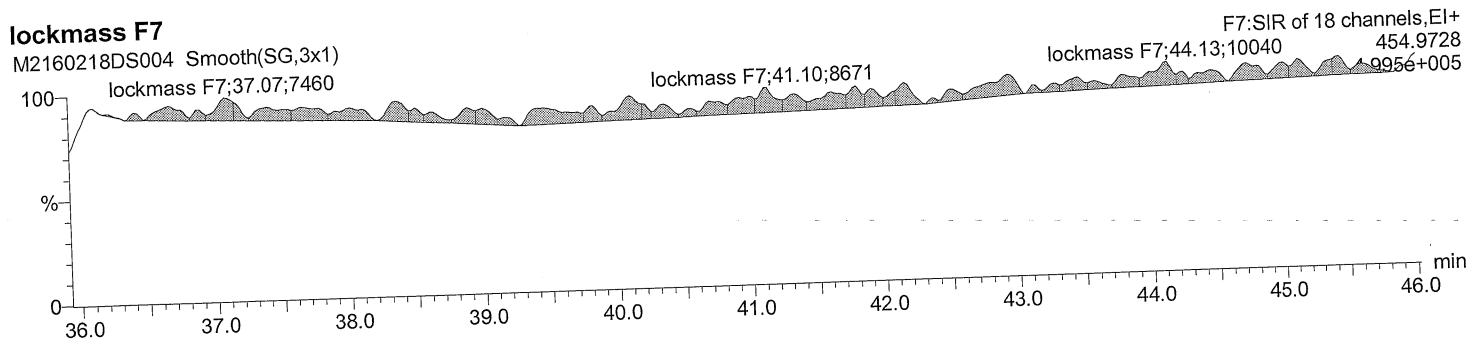
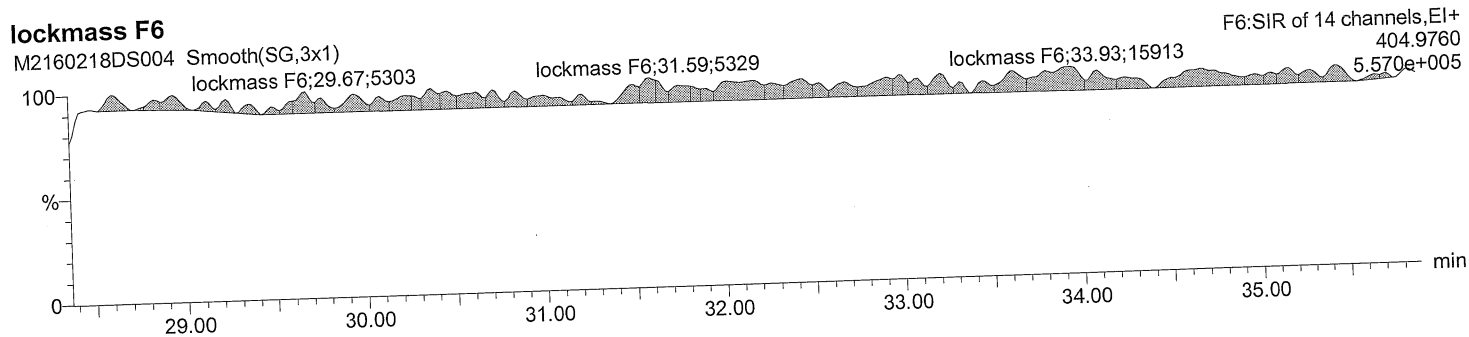
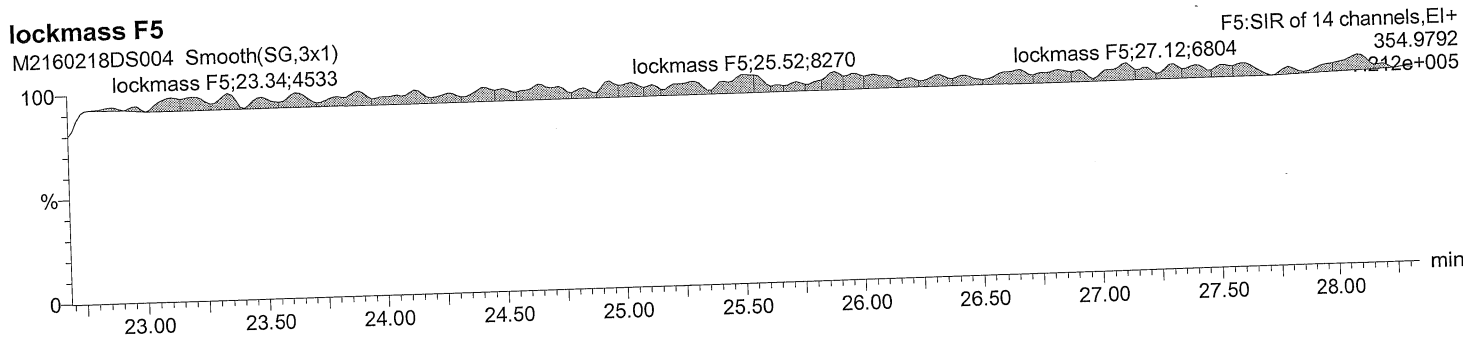
**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 19, 2016 05:14:04 PM Eastern Standard Time  
Printed: February 19, 2016 05:17:01 PM Eastern Standard Time

**ID: WS#4386412/4378609, Ti**  
**Description: SPIKE:D1**  
**Vial: 4**  
**Date: 18-FEB-2016**  
**Time: 20:57:58**













184 PCB 188L	406	24.21	80776	1.1	154118	0.18616	0	4383	no	1.329	73
	408	24.22	73341	yes				3713			
185 PCB 180L	406	32.10	83904	1.09	160865	0.192517	0	1500	no	1.349	76
	408	32.10	76960	yes				1800			
186 PCB 170L	406	33.43	73429	1.07	142009	0.194206	0	1333	yes	1.18	77
	408	33.43	68579	yes				1591			
187 PCB 189L	406	36.85	156827	1.05	306216	0.229087	0	2798	no	2.157	90
	408	36.84	149389	yes				2378			
188 PCB 202L	440	29.26	69330	0.92	144454	0.164244	0	4091	no	1.419	65
	442	29.28	75124	yes				3983			
189 PCB 205L	440	39.72	98814	0.9	208471	0.219717	0	1684	no	1.531	87
	442	39.74	109657	yes				1926			
190 PCB 208L	474	36.28	58655	0.81	131426	0.186155	0	1849	no	1.139	73
	476	36.29	72771	yes				2225			
191 PCB 206L	474	41.71	49213	0.78	112326	0.238674	0	1388	no	0.76	94
	476	41.74	63113	yes				1671			
192 PCB 209L	510	43.55	52496	1.33	92060	0.205125	0	4252	no	0.724	81
	512	43.54	39564	yes				1916			
193 PCB 28L	268	14.40	245650	1.06	478167	0.341899	0.002	447	no	2.039	121
PCB Cleanup Standard	270	14.42	232517	yes				1209			
194 PCB 111L	338	21.84	148706	1.62	240767	0.291485	0	3933	no	1.343	104
PCB Cleanup Standard	340	21.85	92061	yes				4706			
195 PCB 178L	406	26.99	65481	1.1	124862	0.273563	0	3425	no	0.733	97
PCB Cleanup Standard	408	26.98	59381	yes				2931			
196 PCB 31L	268	NotFnd	*	*	*	*	0.002		no	1.934	
PCB Audit Standard	270	14.25	*	no							
197 PCB 95L	338	NotFnd	*	*	*	*	0		no	0.946	
PCB Audit Standard	340	17.74	*	no							
198 PCB 153L	372	NotFnd	*	*	*	*	0		no	1.225	
PCB Audit Standard	374	25.41	*	no							
199 PCB 9L	234	11.19	1273320	1.6	2070116	13.47634	-	16463	no	-	-
PCB Recovery Standard	236	11.19	796796	yes				7209			
200 PCB 52L	302	15.36	428881	0.8	966357	9.72331	-	6484	no	-	-
PCB Recovery Standard	304	15.36	537476	yes				10415			
201 PCB 101L	338	19.78	535400	1.62	866619	10.021	-	14972	no	-	-
PCB Recovery Standard	340	19.76	331218	yes				17724			
202 PCB 138L	372	26.58	496737	1.3	877511	10.35242	-	9389	no	-	-
PCB Recovery Standard	374	26.56	380774	yes				10273			
203 PCB 194L	440	39.19	422530	0.94	873087	10.25641	-	7226	no	-	-
PCB Recovery Standard	442	39.17	450557	yes				7957			
Chlorobiphenyls							2	-0.00084			
Dichlorobiphenyls							8	-0.00404			
Trichlorobiphenyls							16	-0.00358			
Tetrachlorobiphenyls							26	-0.00249			
Pentachlorobiphenyls							26	-0.00258			
Hexachlorobiphenyls							25	-0.00544			
Heptachlorobiphenyls							16	-0.00355			
Octachlorobiphenyls							7	-0.00977			
Nonachlorobiphenyls							1	-0.00282			
Decachlorobiphenyl							1	-0.00106			
PCB (total)								99.23997			

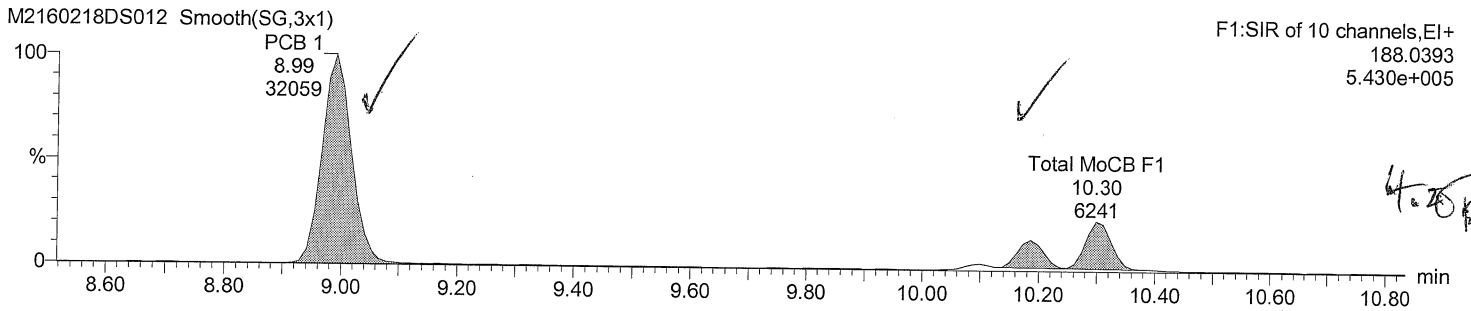
Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

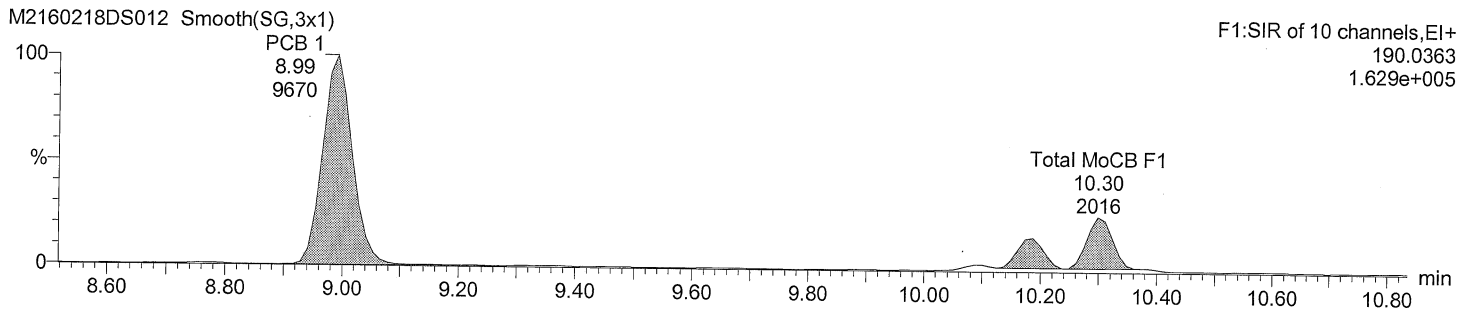
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Calibration: C:\MassLynx\Default.pro\Curvedb\M2160218D\_209.cdb 19 Feb 2016 11:38:57

ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

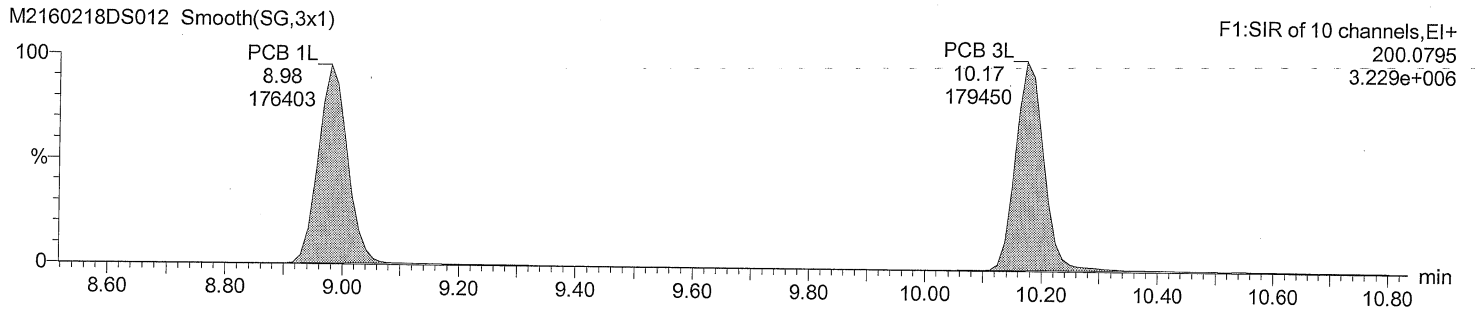
Total MoCB F1



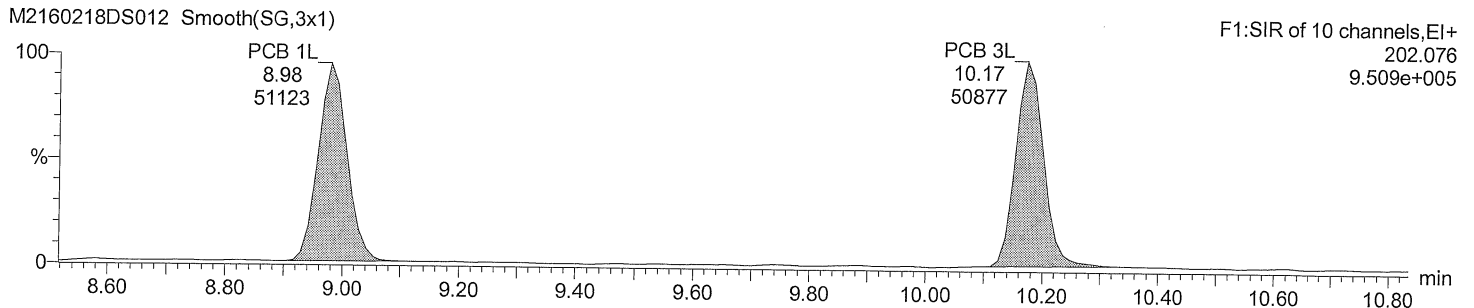
Total MoCB F1



Total MoCB labeled F1



Total MoCB labeled F1



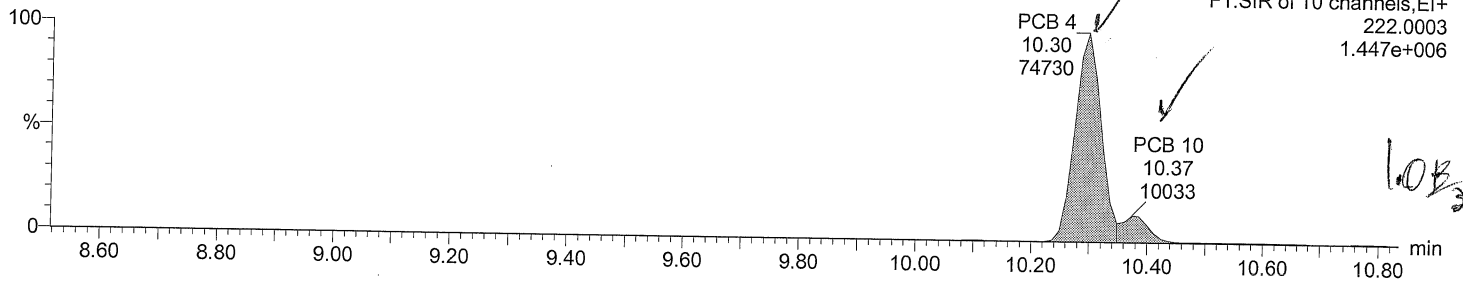
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Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
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ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

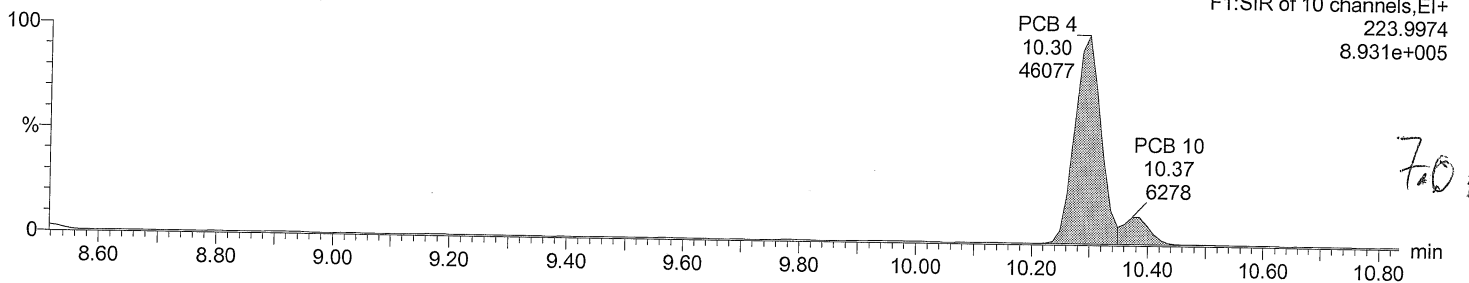
Total DiCB F1

M2160218DS012 Smooth(SG,3x1)



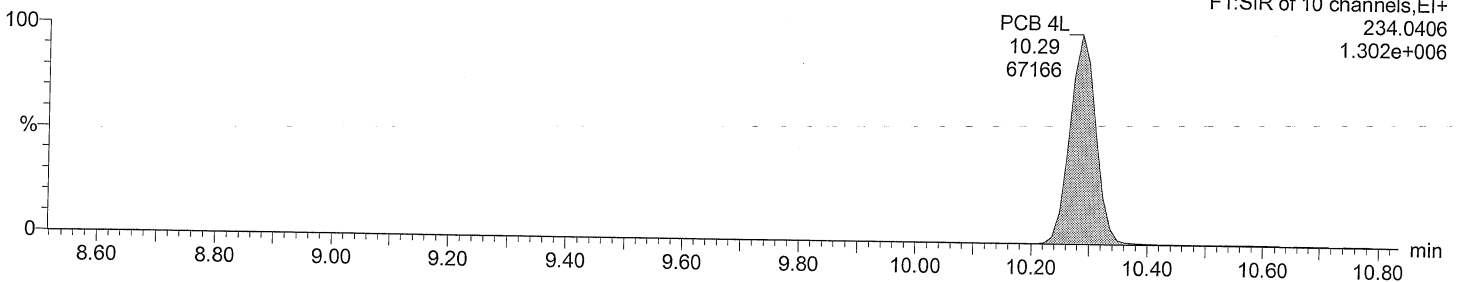
Total DiCB F1

M2160218DS012 Smooth(SG,3x1)



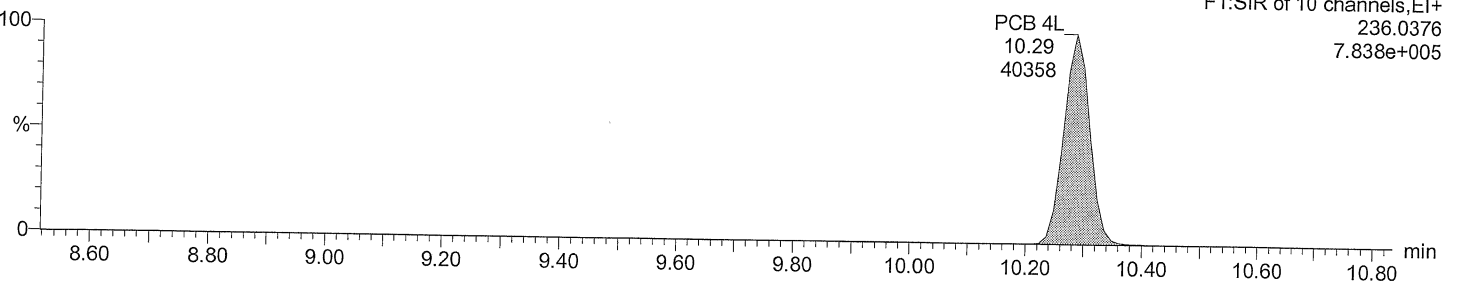
Total DiCB labeled F1

M2160218DS012 Smooth(SG,3x1)



Total DiCB labeled F1

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time

Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: REF MAT

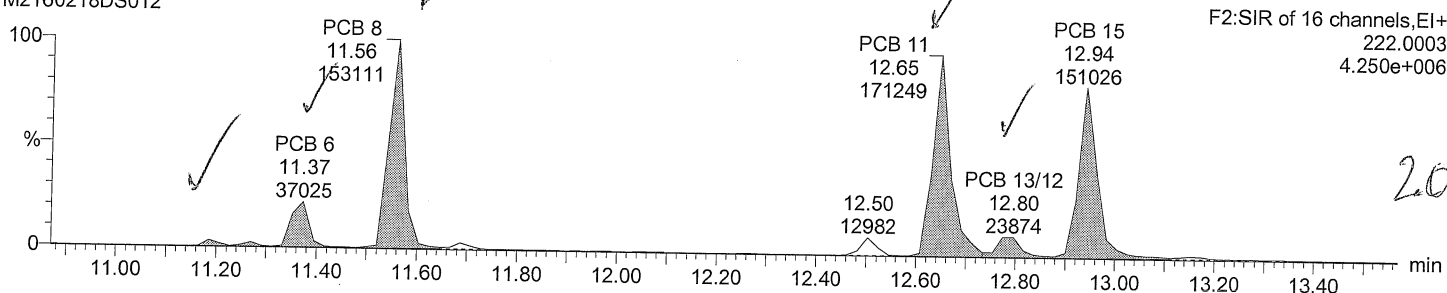
Vial: 12

Date: 18-FEB-2016

Time: 03:39:40

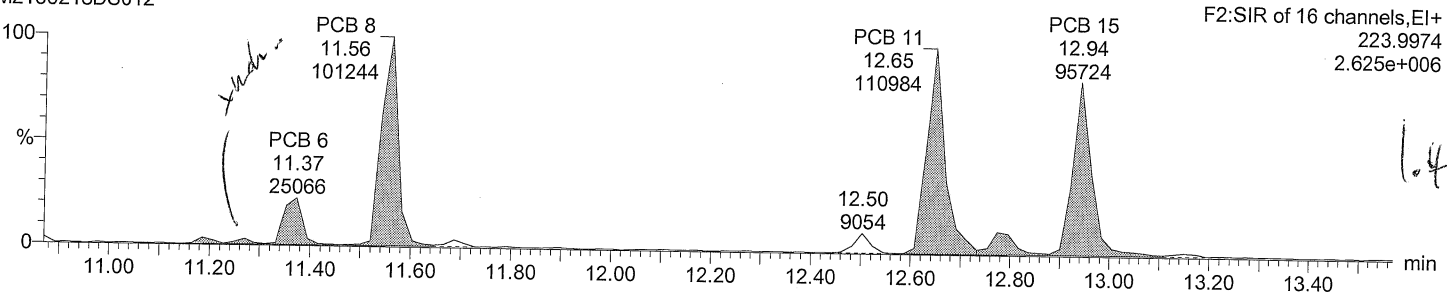
Total DiCB F2

M2160218DS012



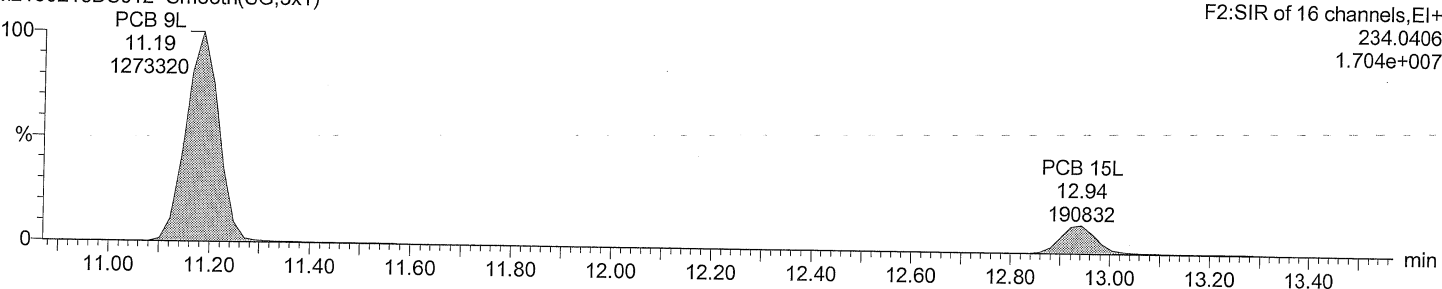
Total DiCB F2

M2160218DS012



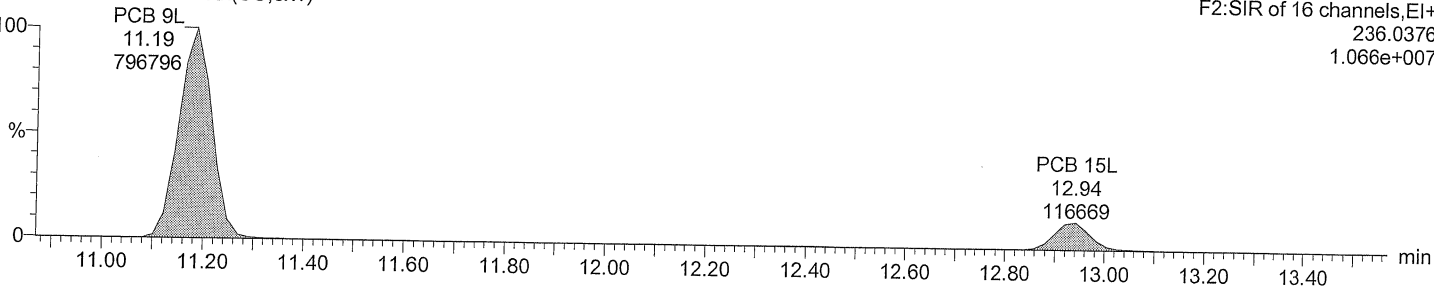
Total DiCB labeled F2

M2160218DS012 Smooth(SG,3x1)



Total DiCB labeled F2

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

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Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: REF MAT

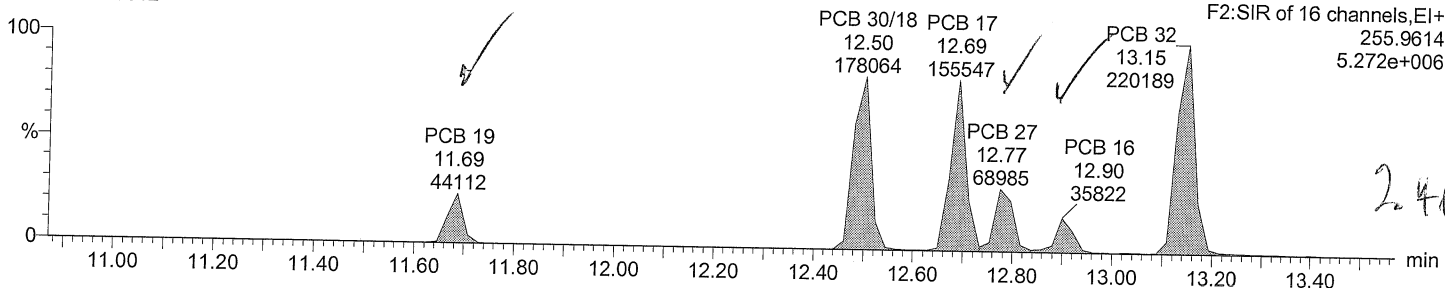
Vial: 12

Date: 18-FEB-2016

Time: 03:39:40

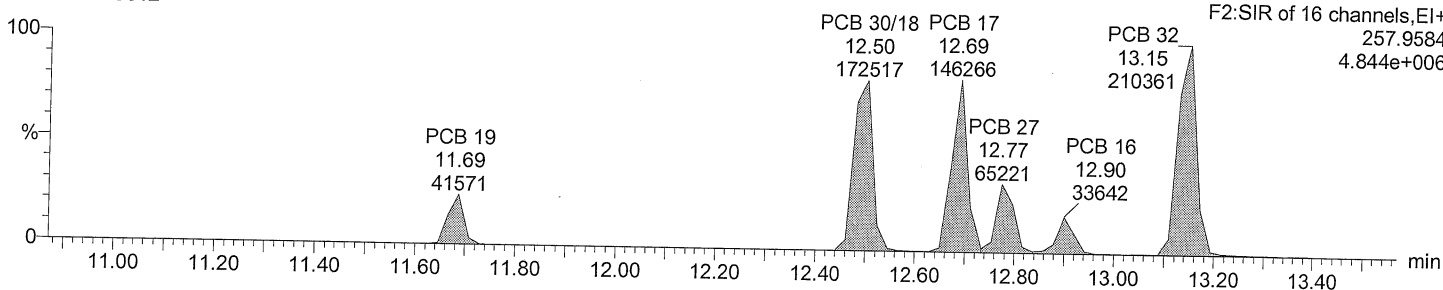
Total TriCB F2

M2160218DS012



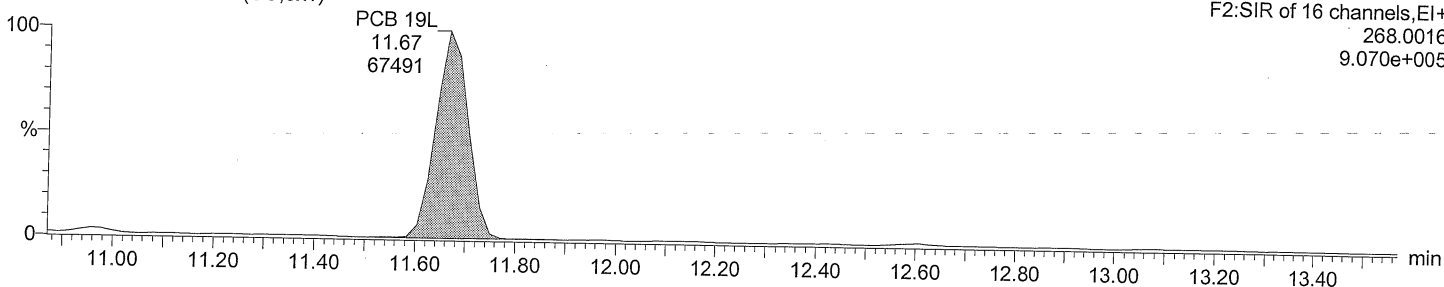
Total TriCB F2

M2160218DS012



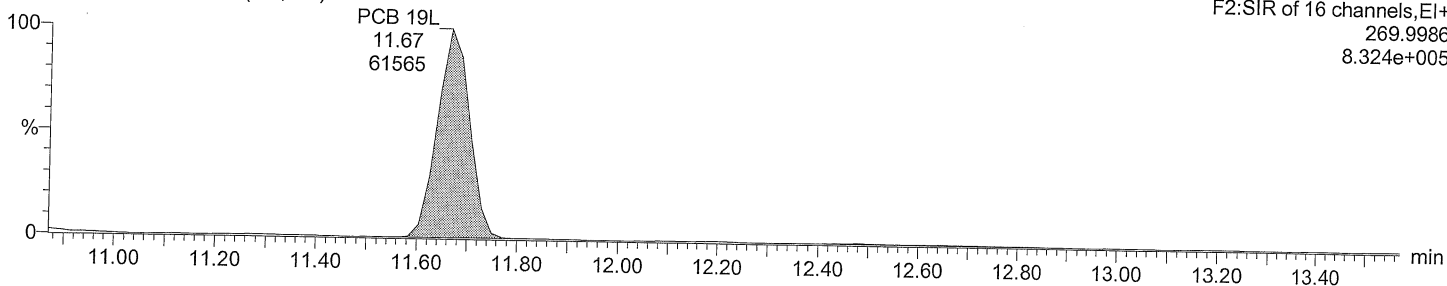
Total TriCB labeled F2

M2160218DS012 Smooth(SG,3x1)



Total TriCB labeled F2

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

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Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: REF MAT

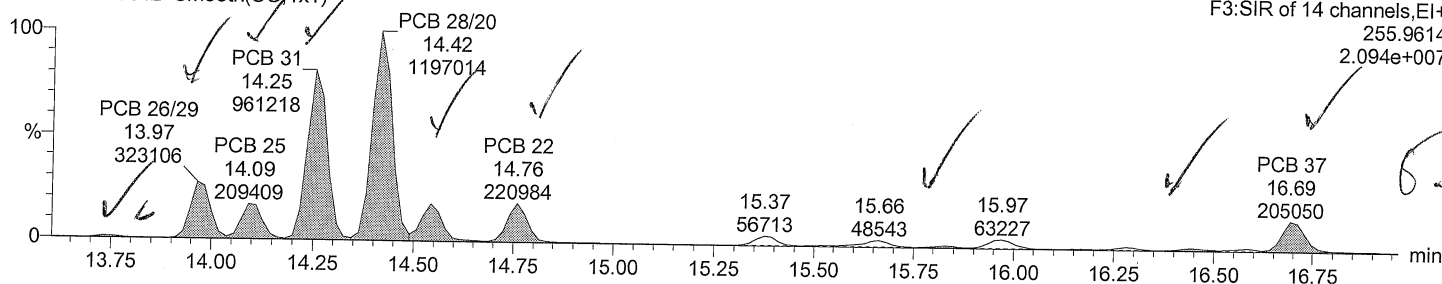
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Date: 18-FEB-2016

Time: 03:39:40

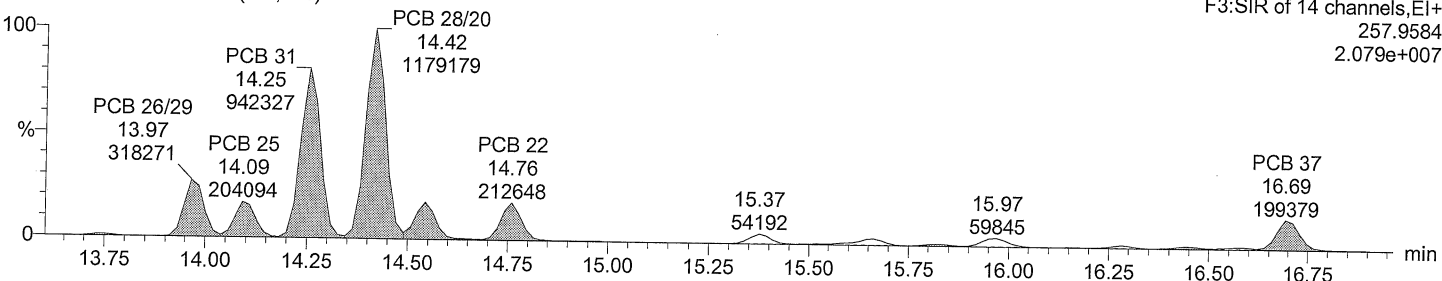
Total TriCB F3

M2160218DS012 Smooth(SG,1x1)



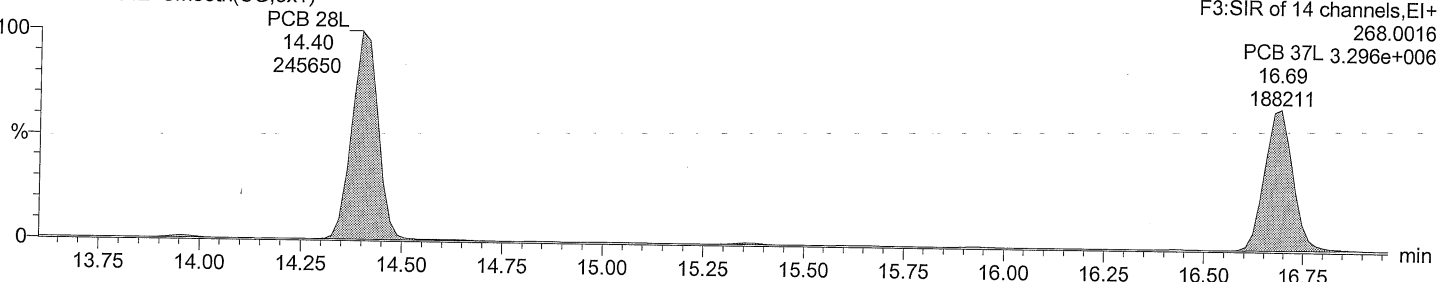
Total TriCB F3

M2160218DS012 Smooth(SG,1x1)



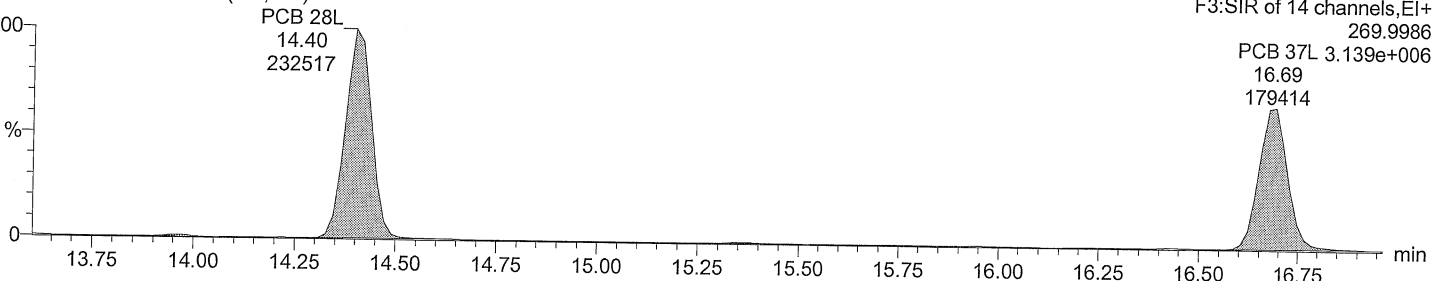
Total TriCB labeled F3

M2160218DS012 Smooth(SG,3x1)



Total TriCB labeled F3

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

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Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

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Description: REF MAT

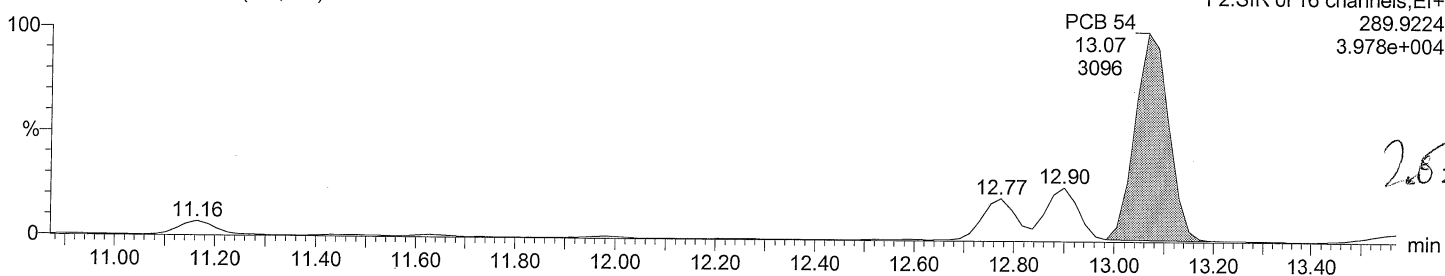
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Date: 18-FEB-2016

Time: 03:39:40

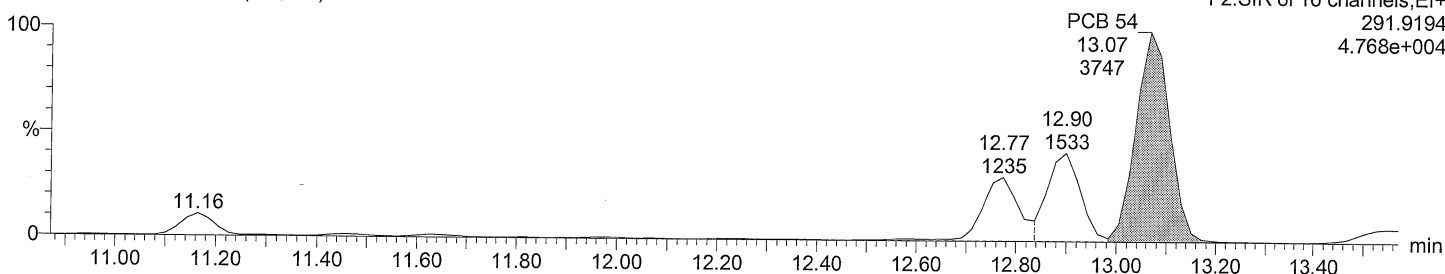
Total TeCB F2

M2160218DS012 Smooth(SG,3x1)



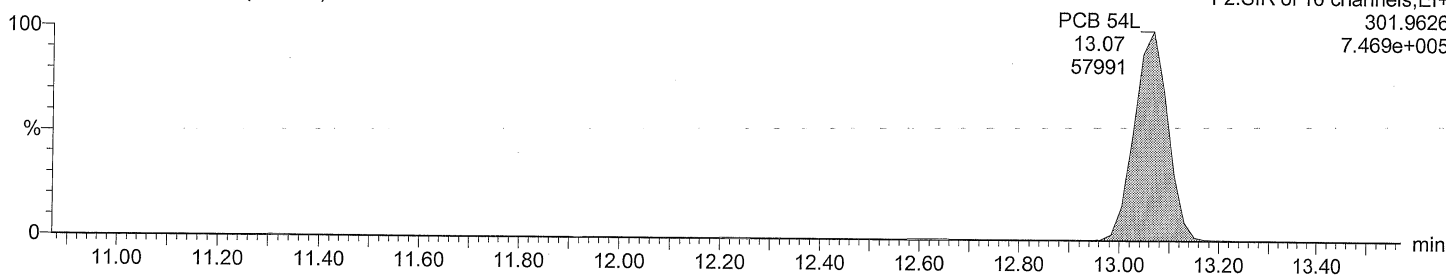
Total TeCB F2

M2160218DS012 Smooth(SG,3x1)



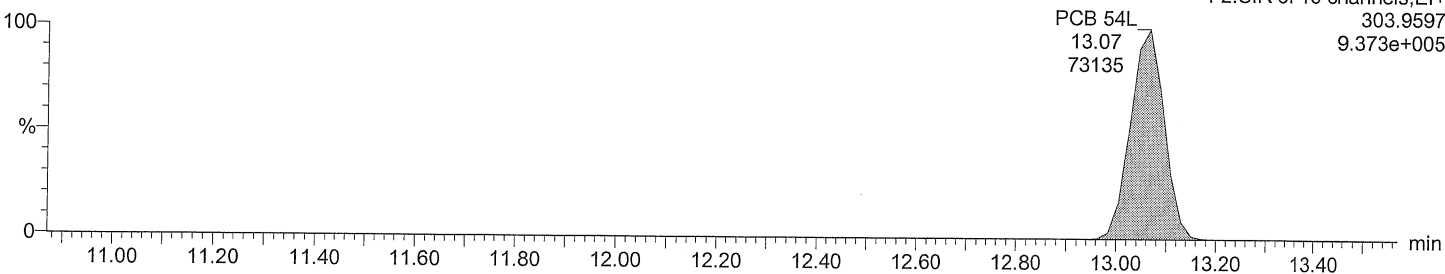
Total TeCB labeled F2

M2160218DS012 Smooth(SG,3x1)



Total TeCB labeled F2

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

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Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: REF MAT

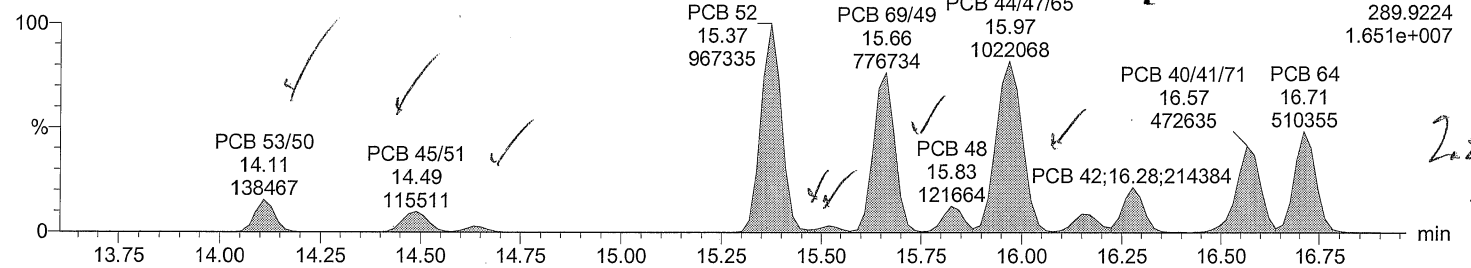
Vial: 12

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Time: 03:39:40

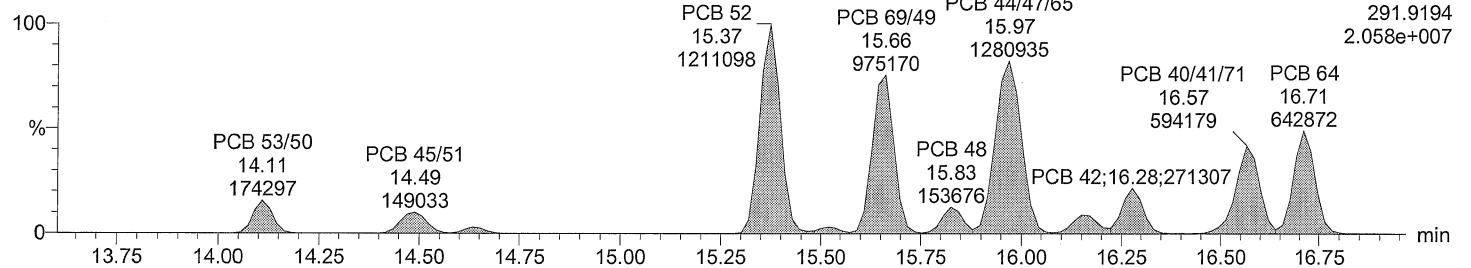
Total TeCB F3

M2160218DS012 Smooth(SG,1x1)



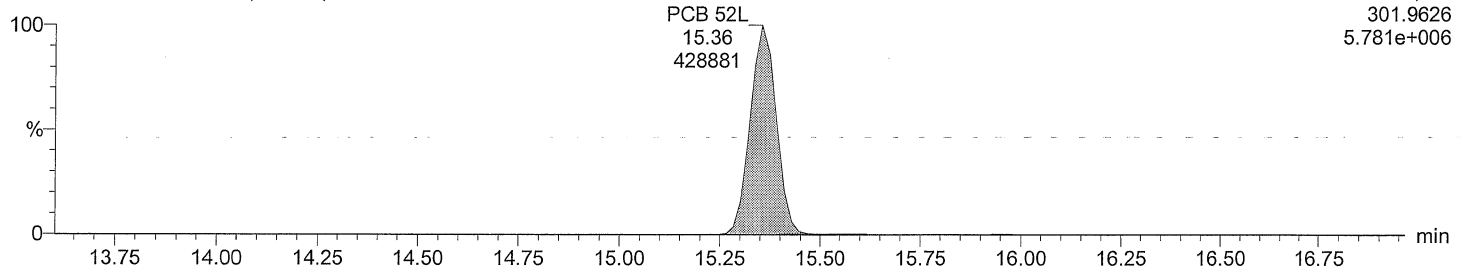
Total TeCB F3

M2160218DS012 Smooth(SG,1x1)



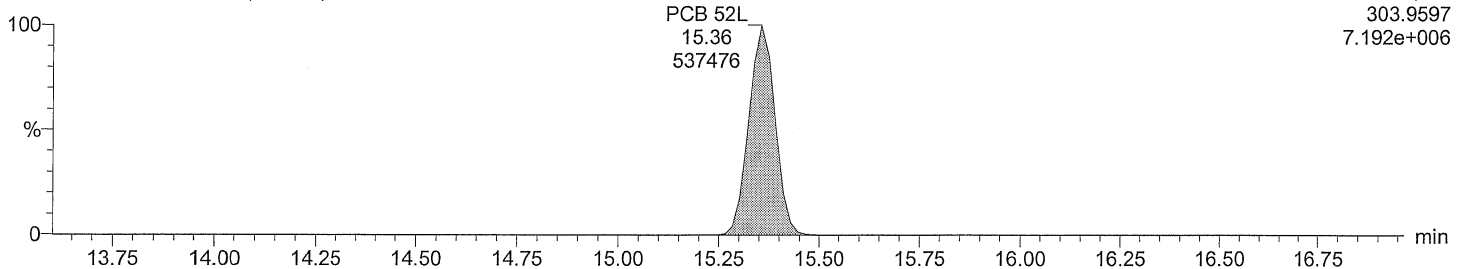
Total TeCB labeled F3

M2160218DS012 Smooth(SG,3x1)



Total TeCB labeled F3

M2160218DS012 Smooth(SG,3x1)





**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

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 Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

**ID: WS#4386412/4378609, Ti**

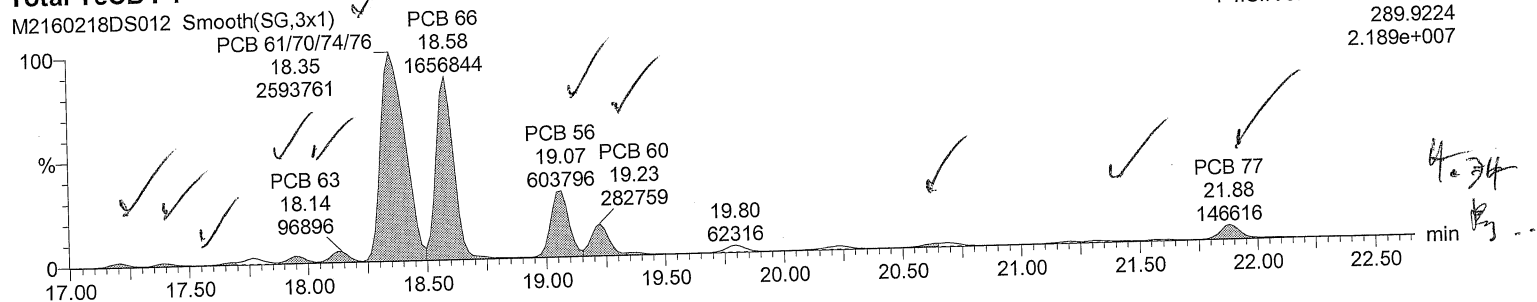
**Description: REF MAT**

**Vial: 12**

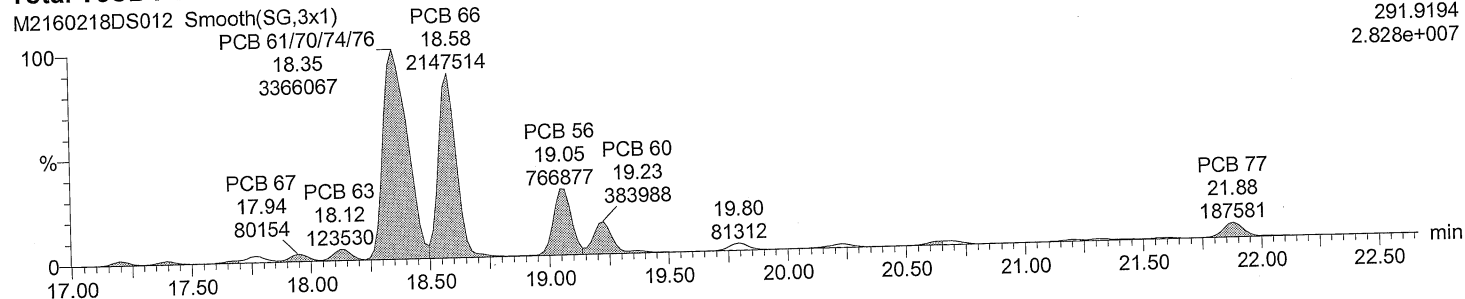
**Date: 18-FEB-2016**

**Time: 03:39:40**

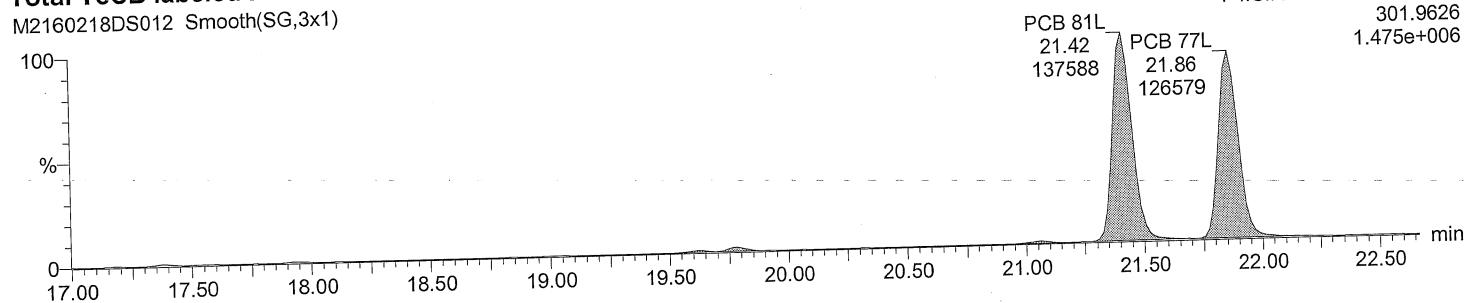
**Total TeCB F4**



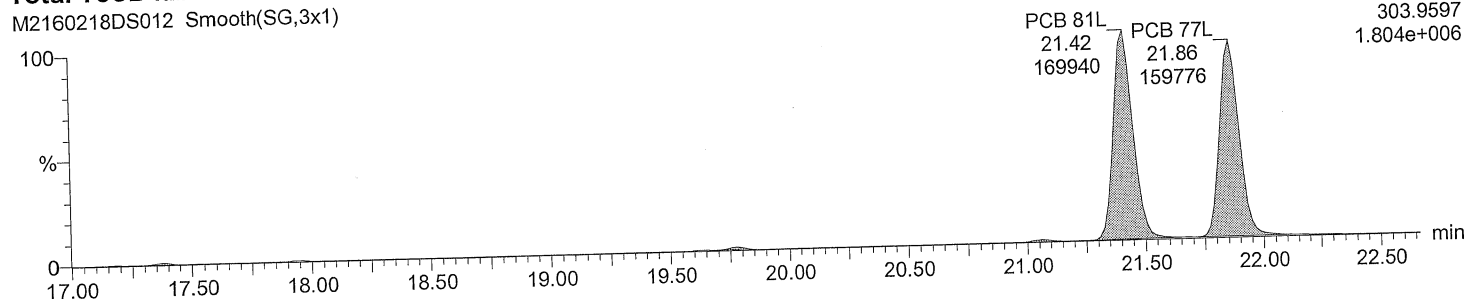
**Total TeCB F4**



**Total TeCB labeled F4**



**Total TeCB labeled F4**



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
 Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

**ID: WS#4386412/4378609, Ti**

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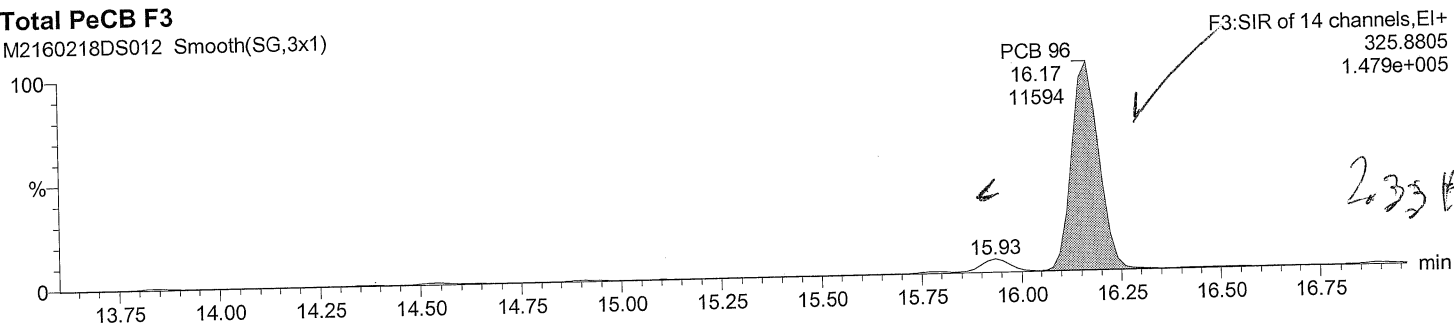
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**Date: 18-FEB-2016**

**Time: 03:39:40**

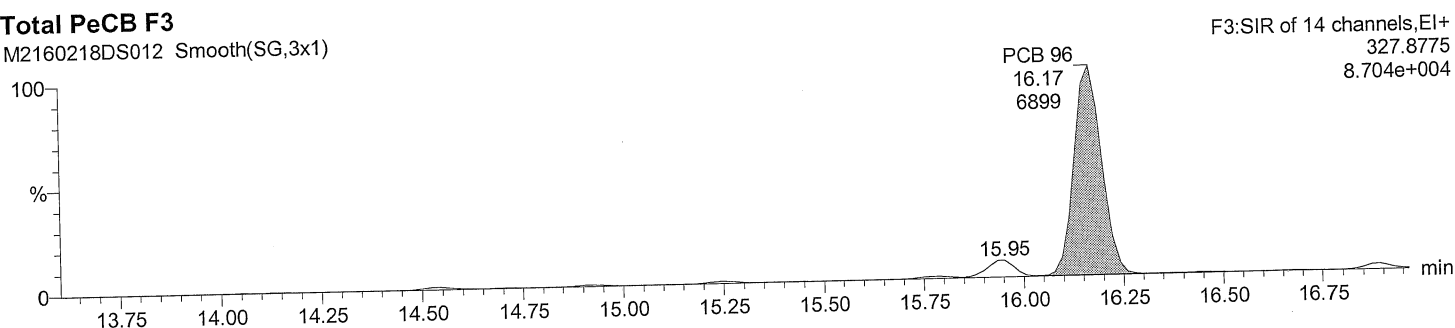
**Total PeCB F3**

M2160218DS012 Smooth(SG,3x1)



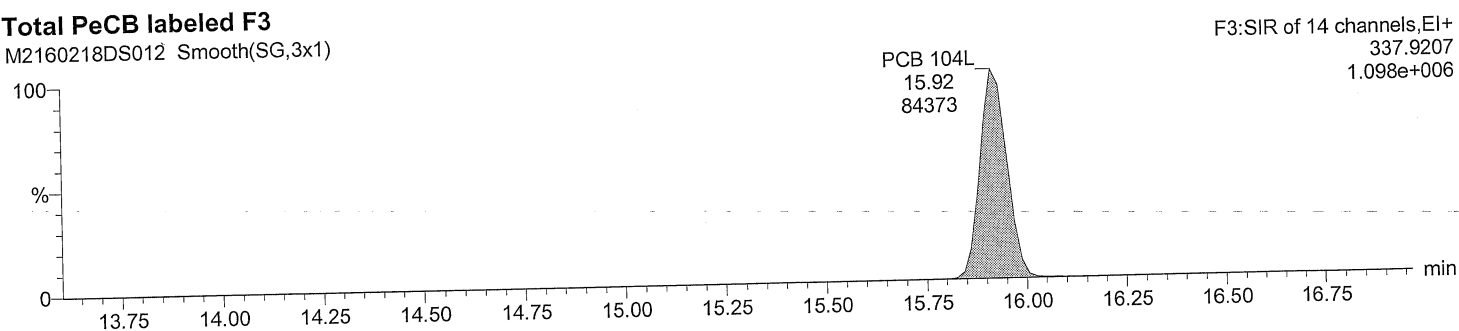
**Total PeCB F3**

M2160218DS012 Smooth(SG,3x1)



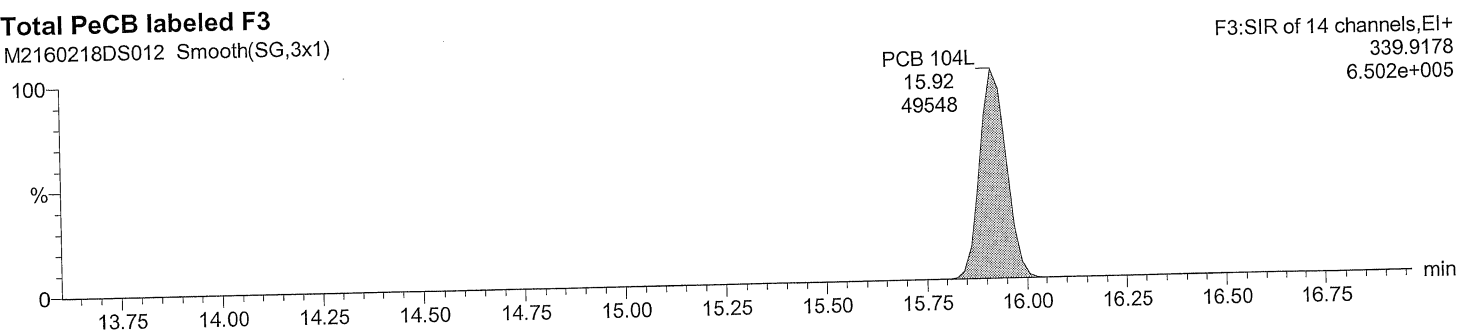
**Total PeCB labeled F3**

M2160218DS012 Smooth(SG,3x1)



**Total PeCB labeled F3**

M2160218DS012 Smooth(SG,3x1)



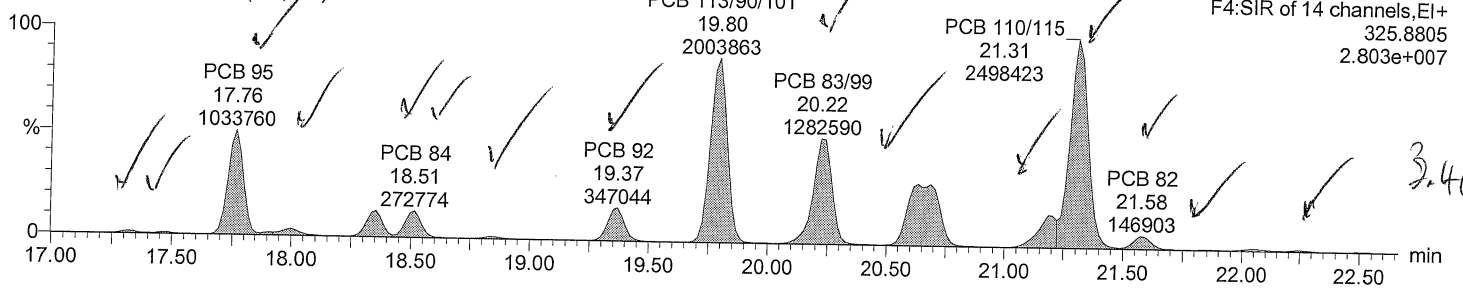
Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

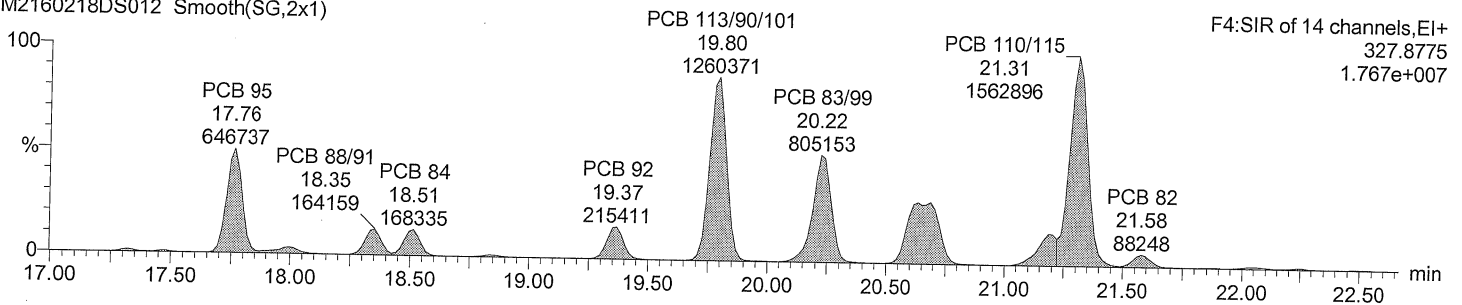
**Total PeCB F4**

M2160218DS012 Smooth(SG,2x1)



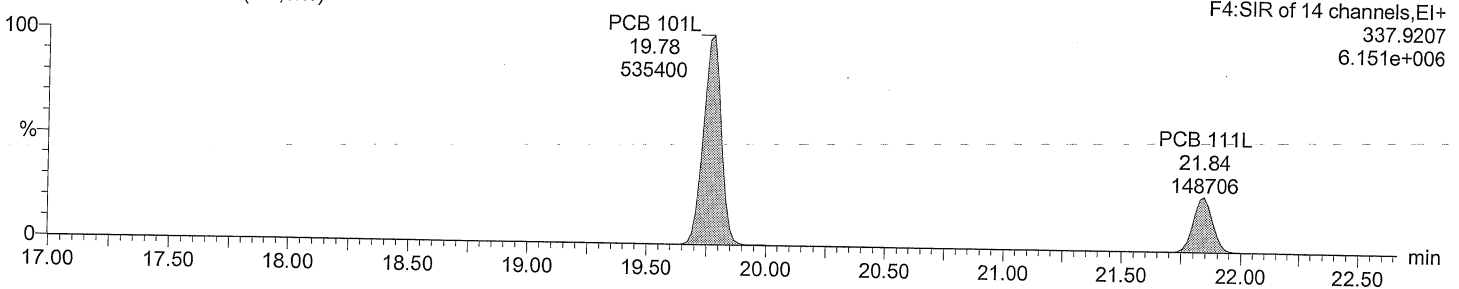
**Total PeCB F4**

M2160218DS012 Smooth(SG,2x1)



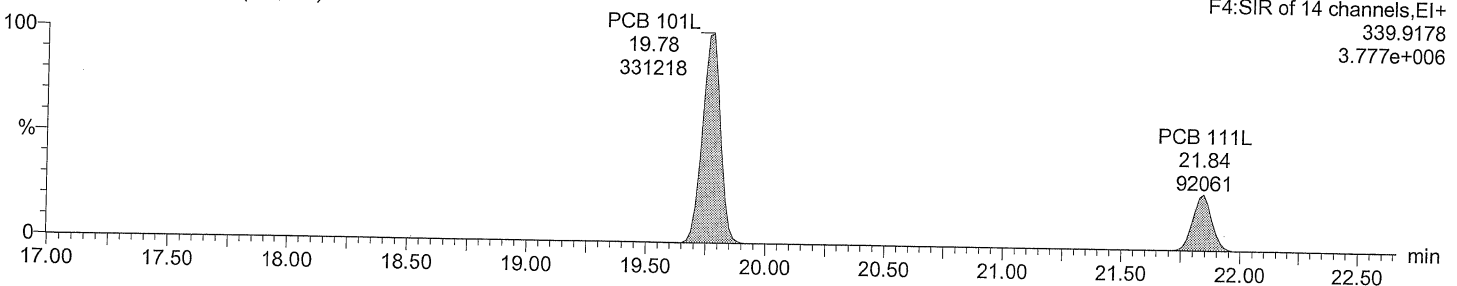
**Total PeCB labeled F4**

M2160218DS012 Smooth(SG,3x1)



**Total PeCB labeled F4**

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time

Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: REF MAT

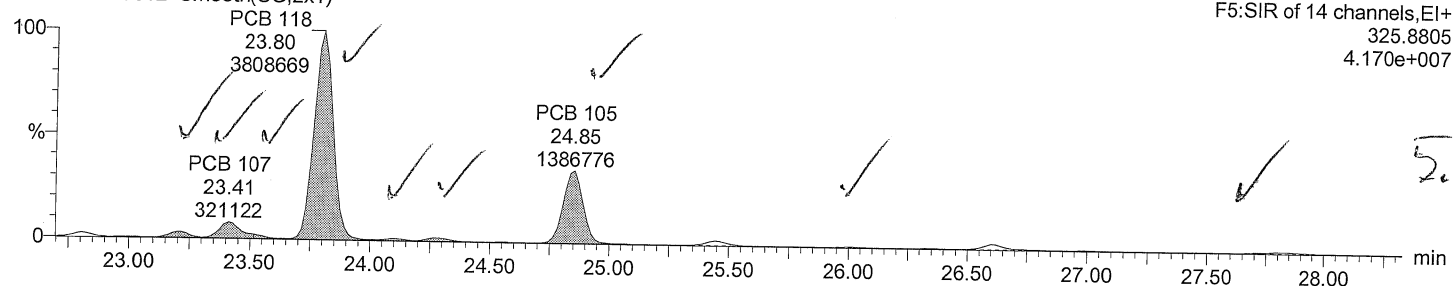
Vial: 12

Date: 18-FEB-2016

Time: 03:39:40

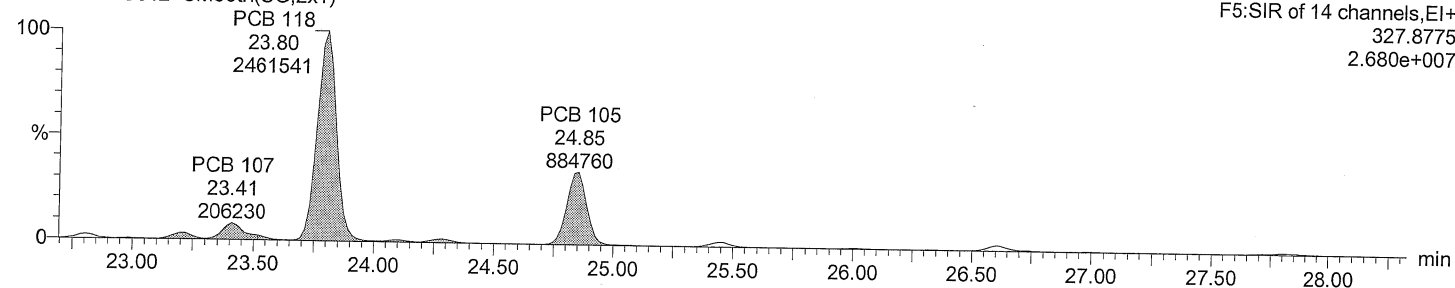
Total PeCB F5

M2160218DS012 Smooth(SG,2x1)



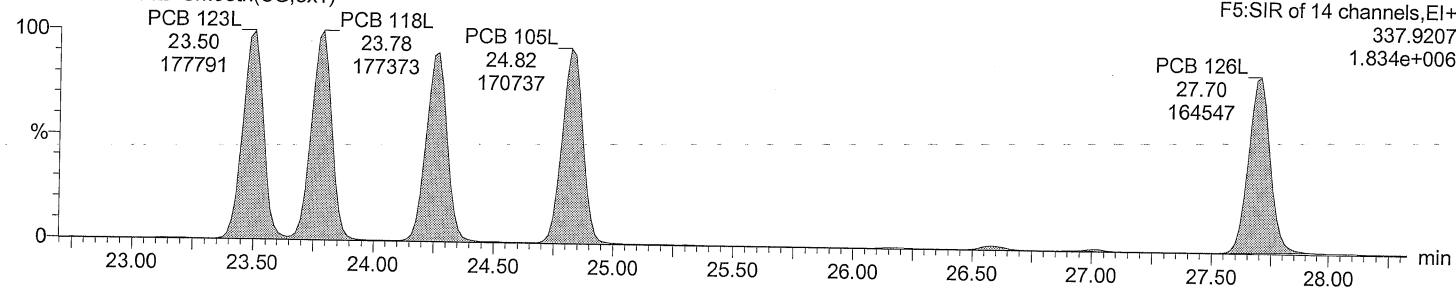
Total PeCB F5

M2160218DS012 Smooth(SG,2x1)



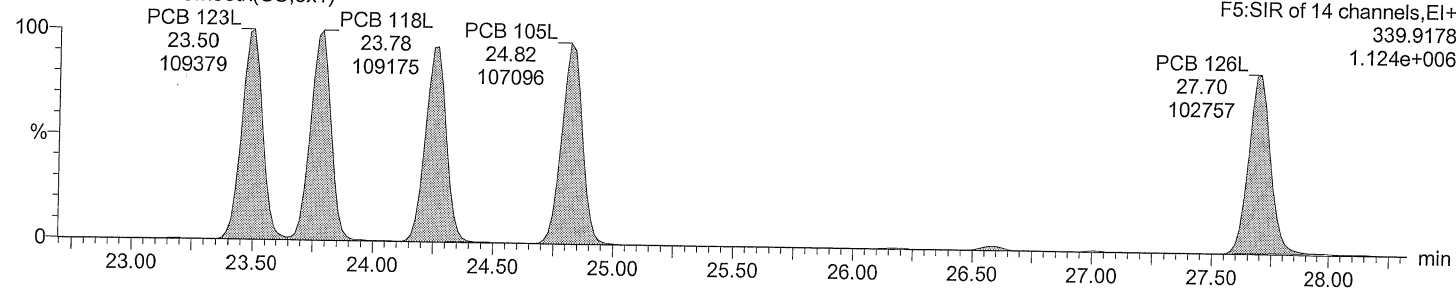
Total PeCB labeled F5

M2160218DS012 Smooth(SG,3x1)



Total PeCB labeled F5

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time

Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

ID: WS#4386412/4378609, Ti

Description: REF MAT

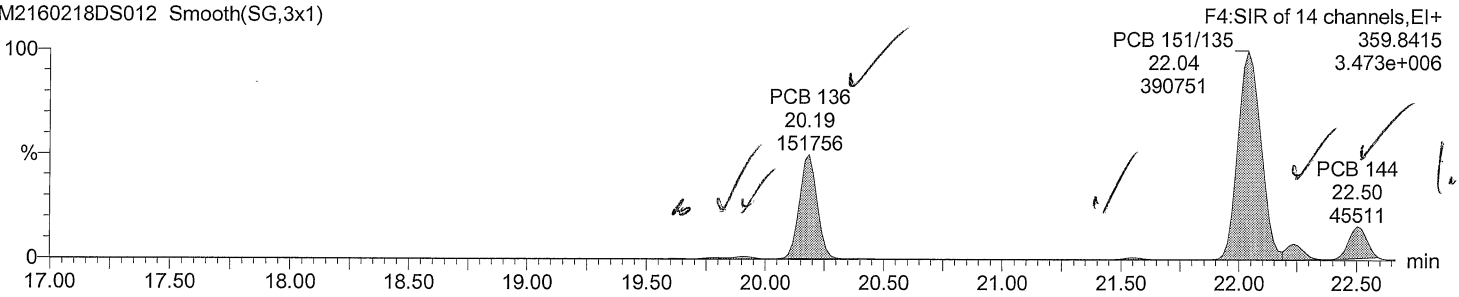
Vial: 12

Date: 18-FEB-2016

Time: 03:39:40

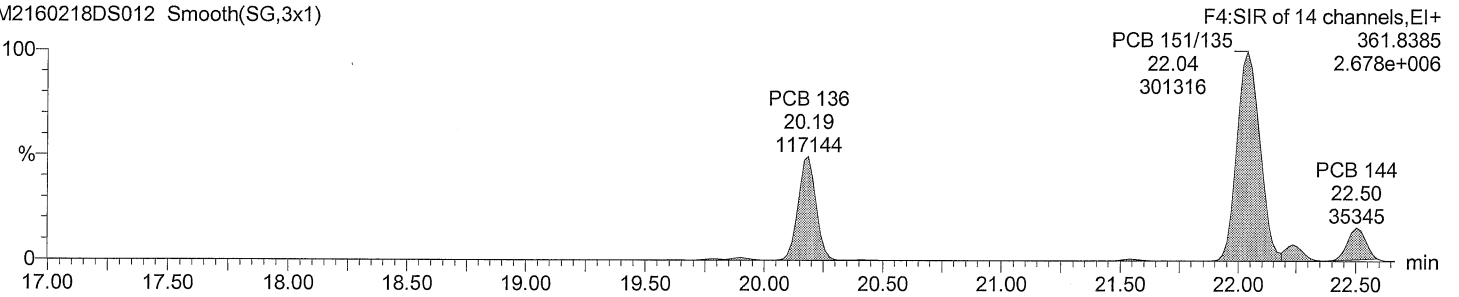
Total HxCB F4

M2160218DS012 Smooth(SG,3x1)



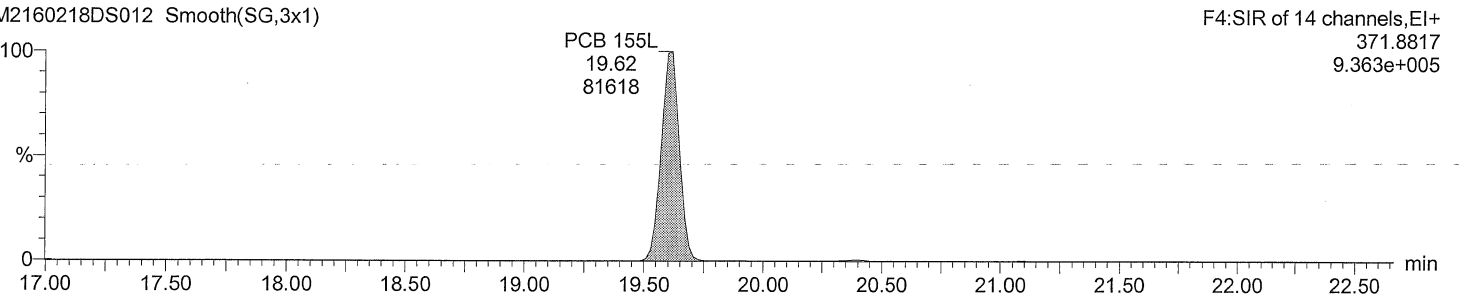
Total HxCB F4

M2160218DS012 Smooth(SG,3x1)



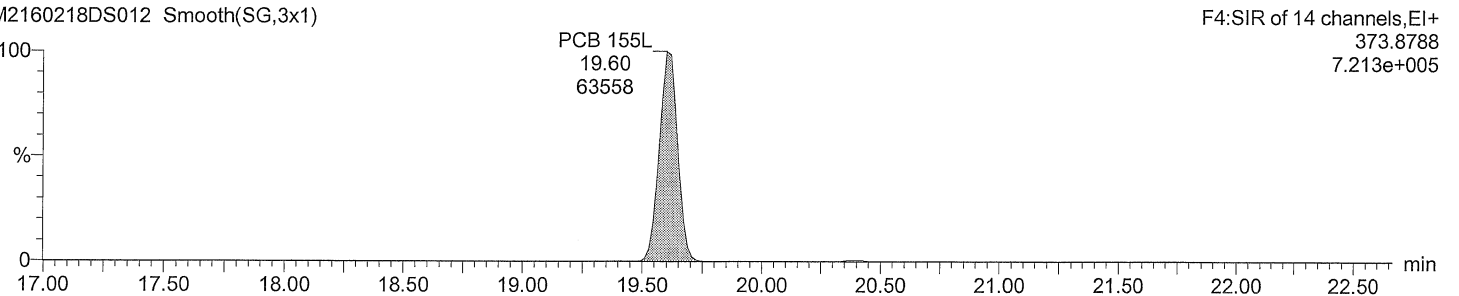
Total HxCB labeled F4

M2160218DS012 Smooth(SG,3x1)



Total HxCB labeled F4

M2160218DS012 Smooth(SG,3x1)



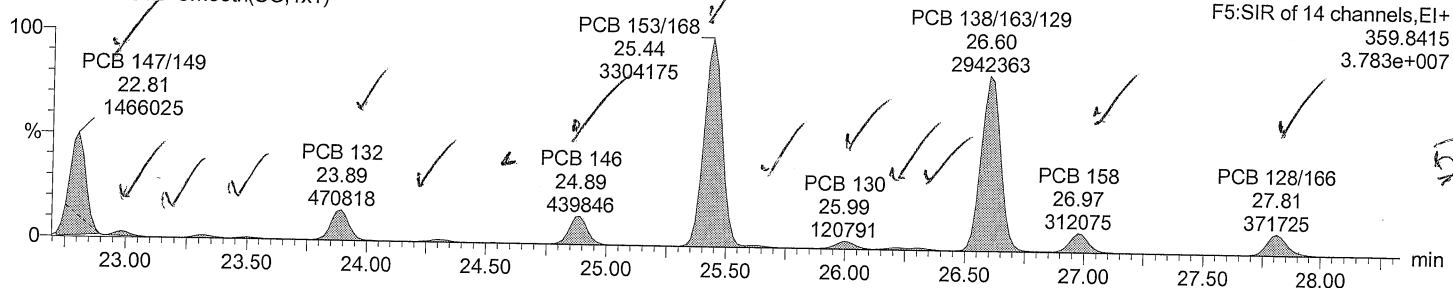
Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
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ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

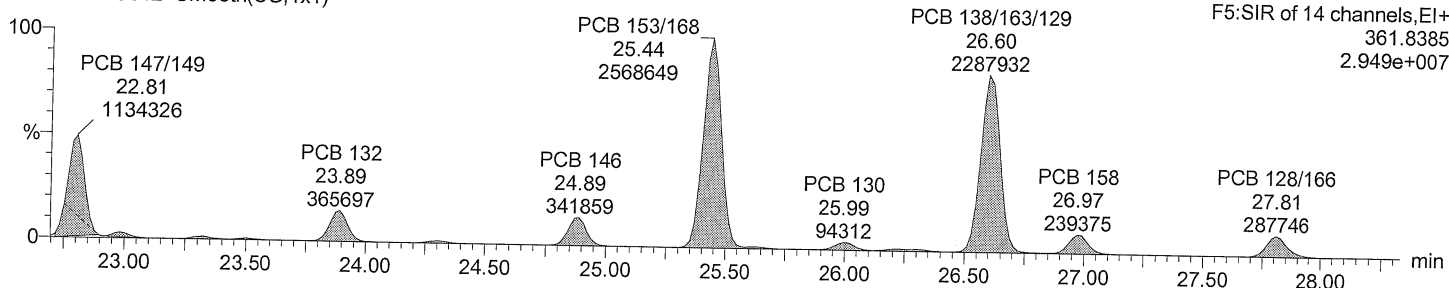
**Total HxCB F5**

M2160218DS012 Smooth(SG,1x1)



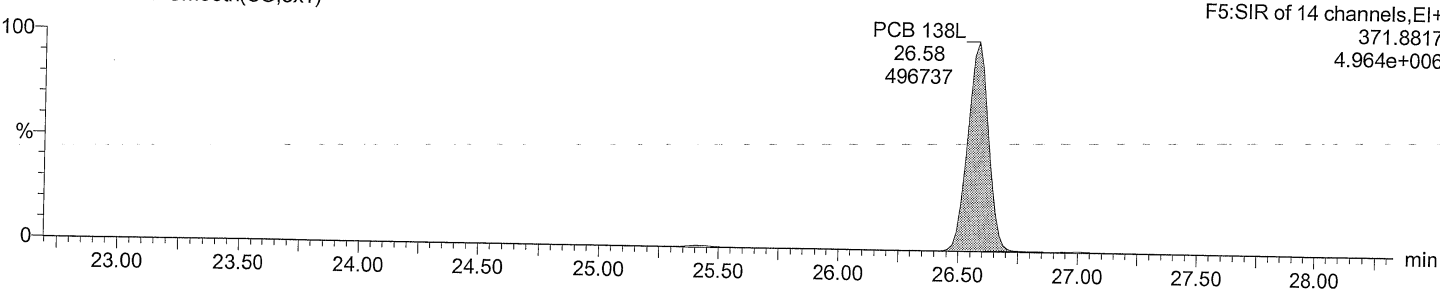
**Total HxCB F5**

M2160218DS012 Smooth(SG,1x1)



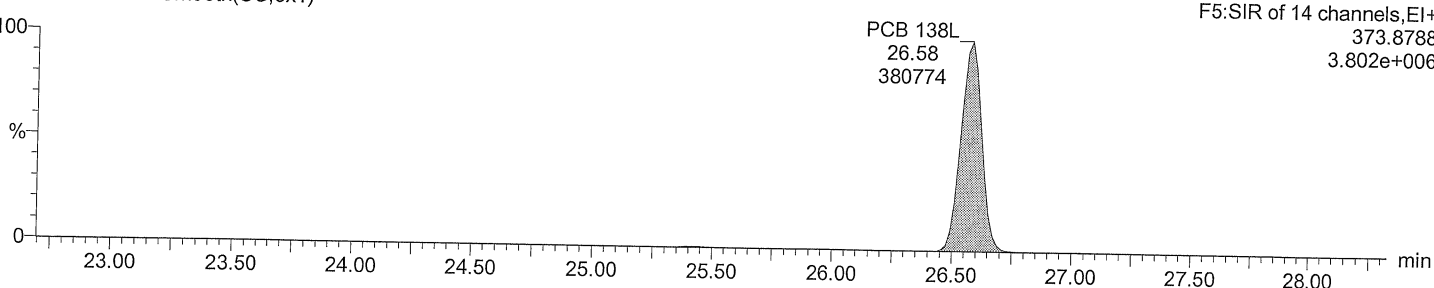
**Total HxCB labeled F5**

M2160218DS012 Smooth(SG,3x1)



**Total HxCB labeled F5**

M2160218DS012 Smooth(SG,3x1)



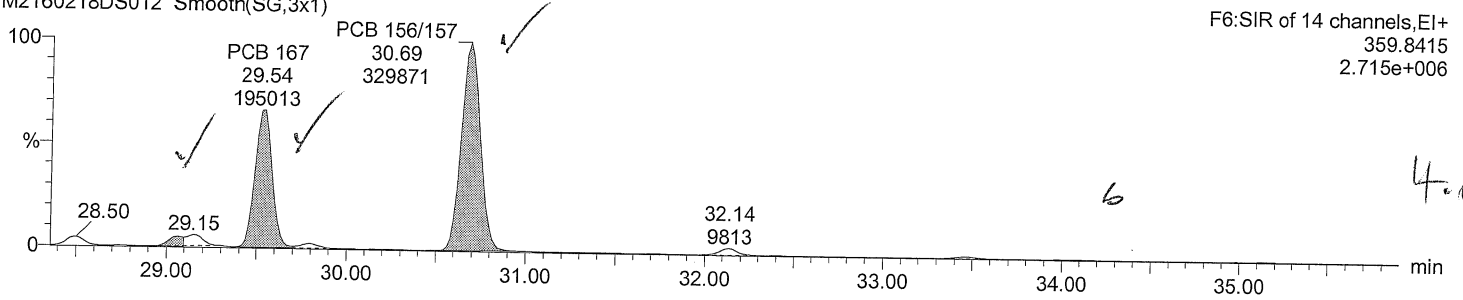
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Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
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ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

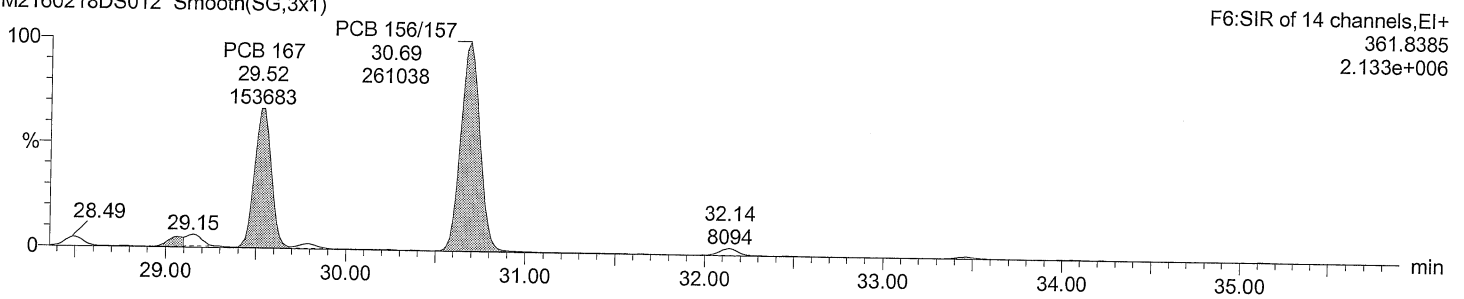
**Total HxCB F6**

M2160218DS012 Smooth(SG,3x1)



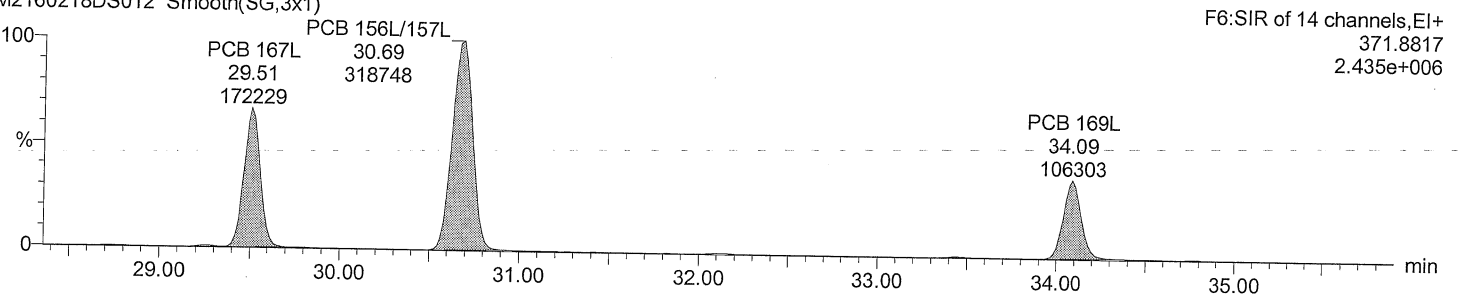
**Total HxCB F6**

M2160218DS012 Smooth(SG,3x1)



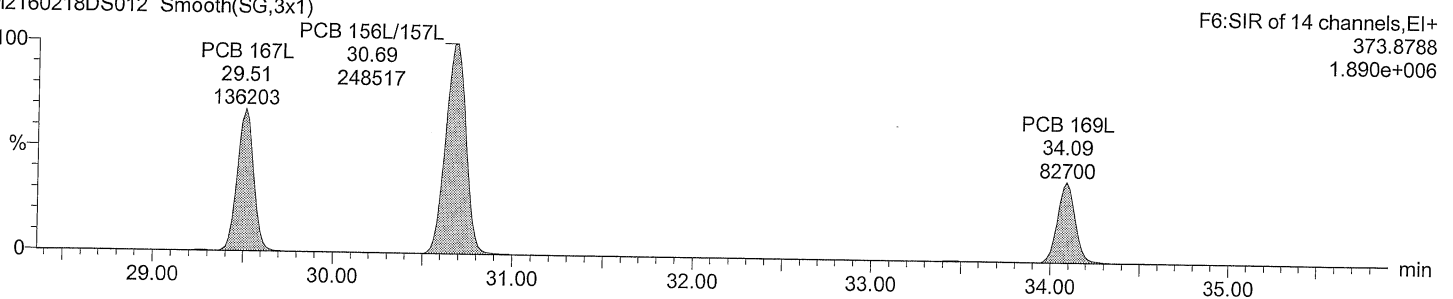
**Total HxCB labeled F6**

M2160218DS012 Smooth(SG,3x1)



**Total HxCB labeled F6**

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time

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ID: WS#4386412/4378609, Ti

Description: REF MAT

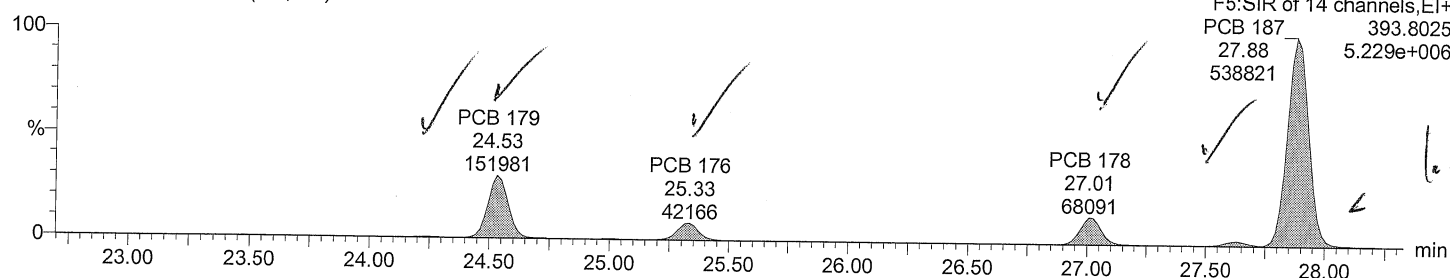
Vial: 12

Date: 18-FEB-2016

Time: 03:39:40

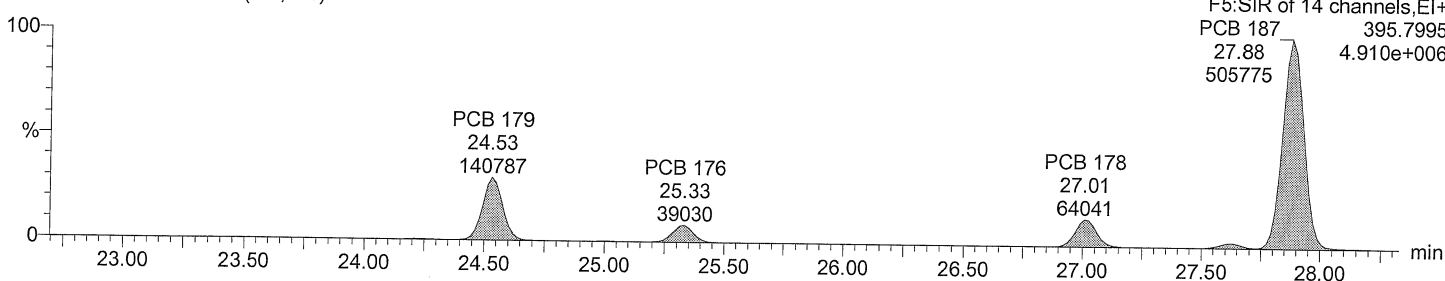
Total HpCB F5

M2160218DS012 Smooth(SG,3x1)



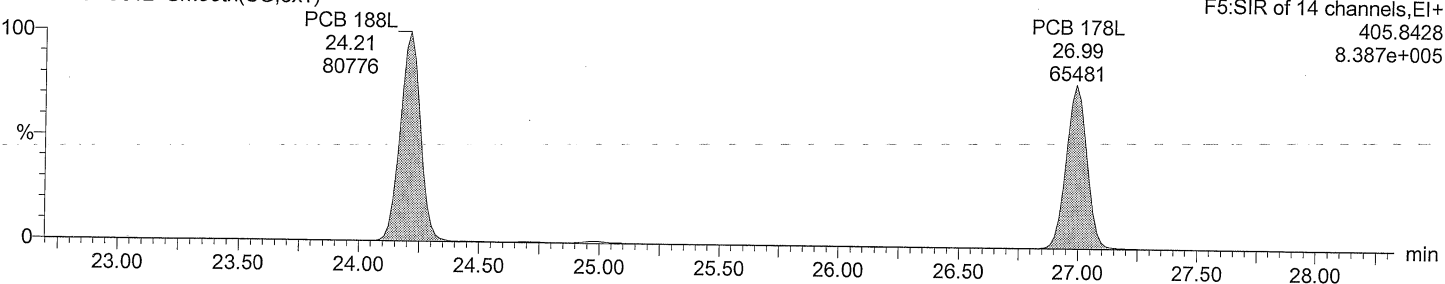
Total HpCB F5

M2160218DS012 Smooth(SG,3x1)



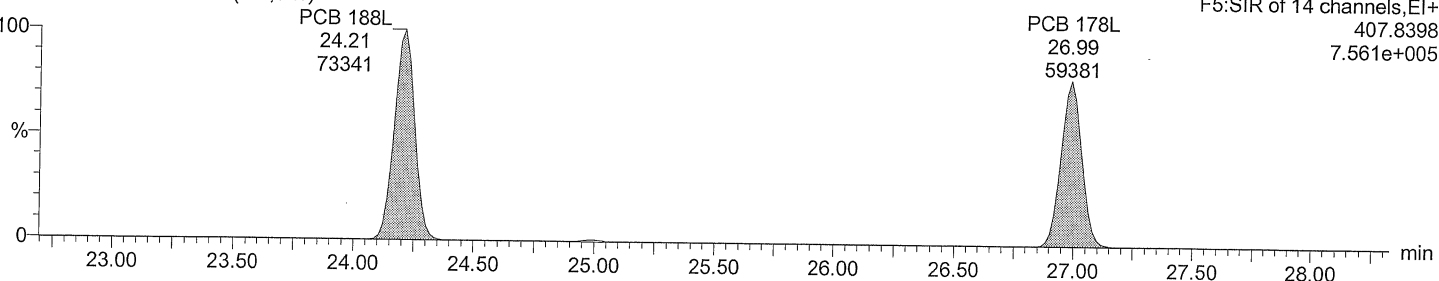
Total HpCB labeled F5

M2160218DS012 Smooth(SG,3x1)



Total HpCB labeled F5

M2160218DS012 Smooth(SG,3x1)

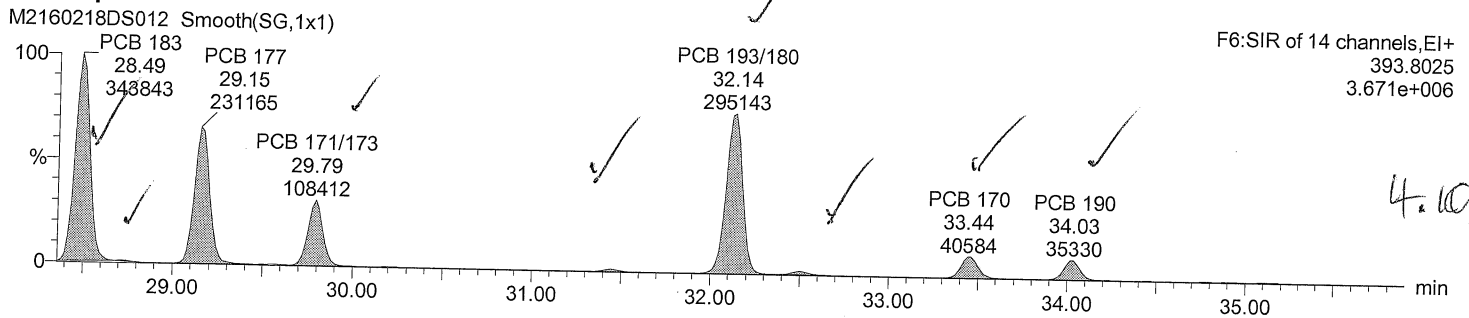




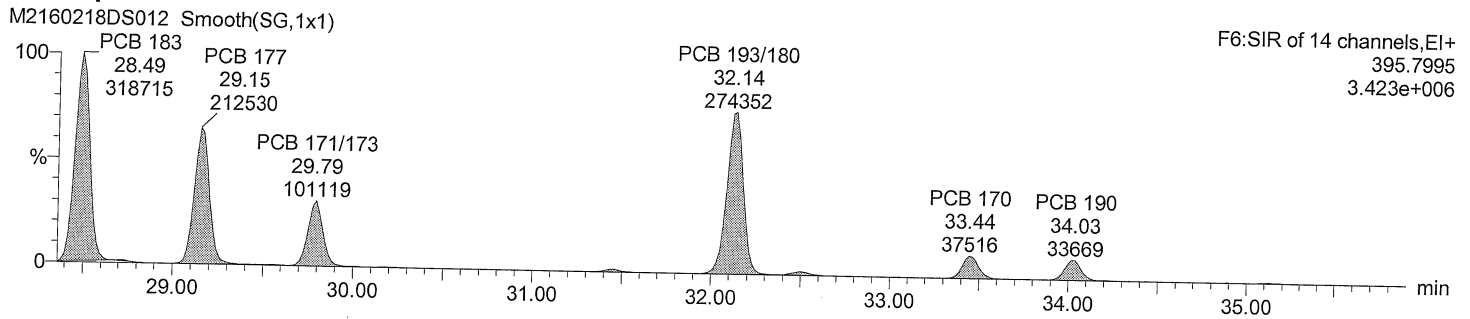
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Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
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ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

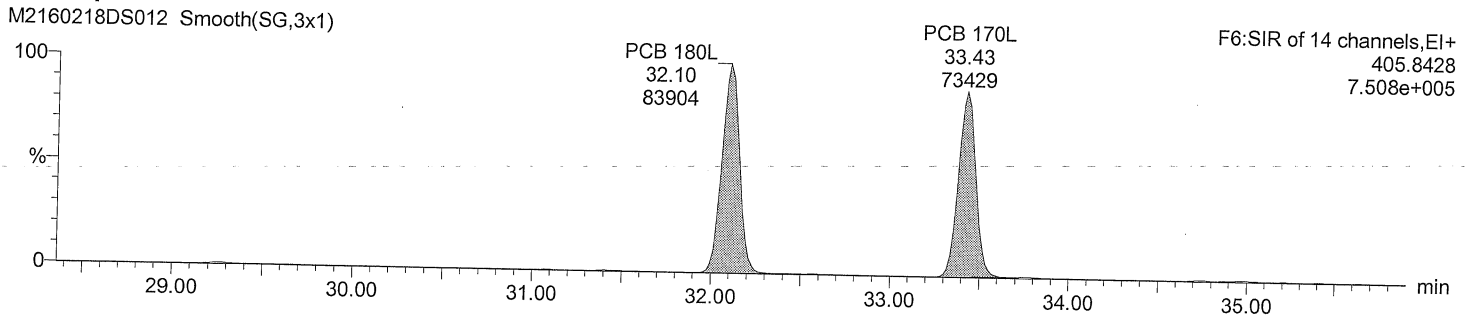
Total HpCB F6



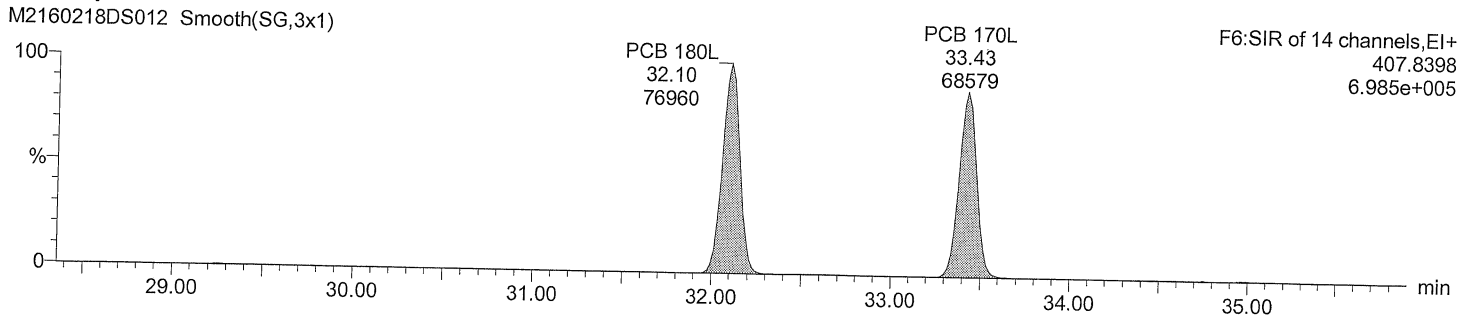
Total HpCB F6



Total HpCB labeled F6



Total HpCB labeled F6



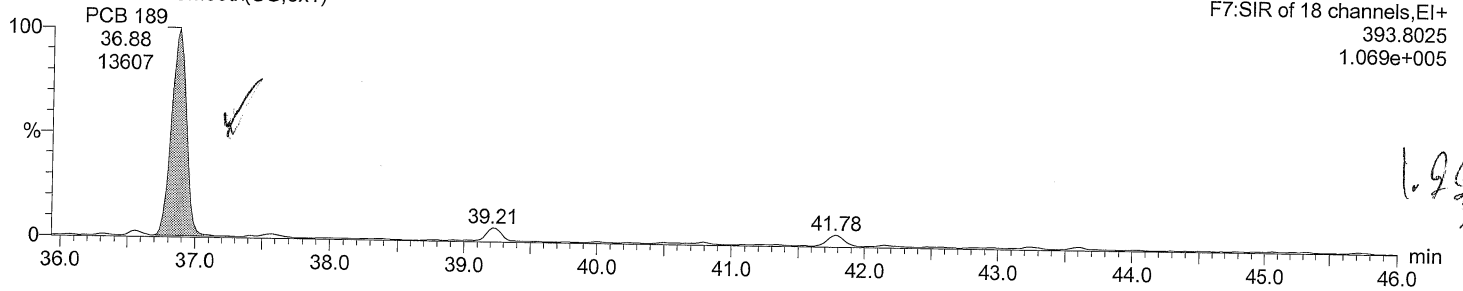
Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
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ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

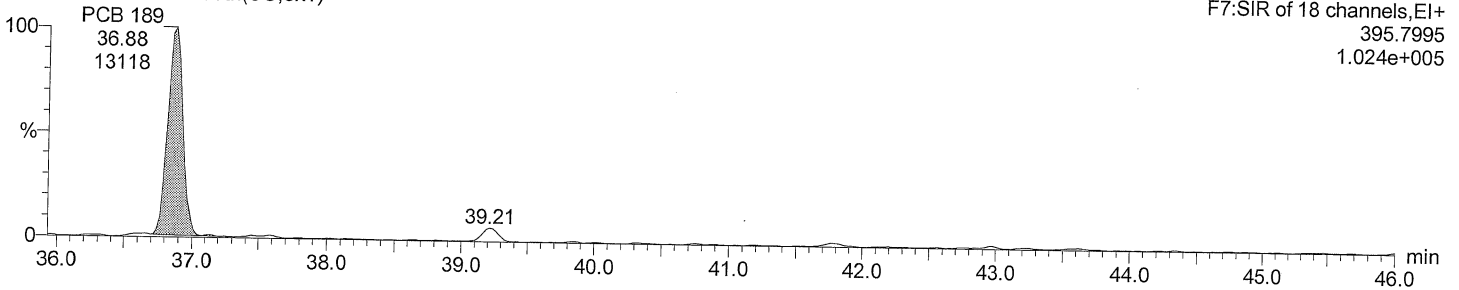
**Total HpCB F7**

M2160218DS012 Smooth(SG,3x1)



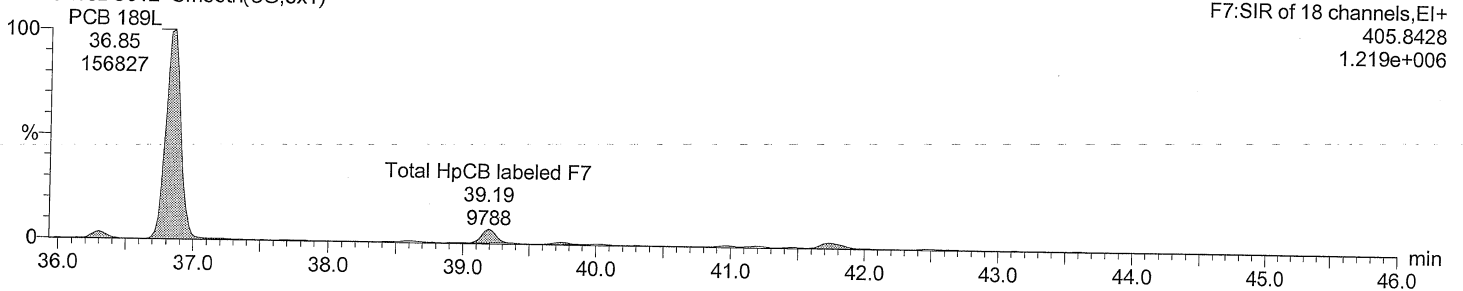
**Total HpCB F7**

M2160218DS012 Smooth(SG,3x1)



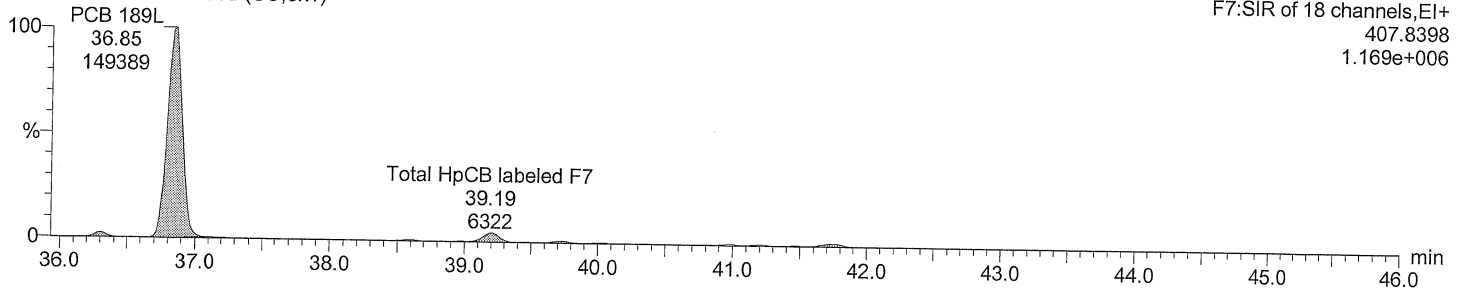
**Total HpCB labeled F7**

M2160218DS012 Smooth(SG,3x1)



**Total HpCB labeled F7**

M2160218DS012 Smooth(SG,3x1)

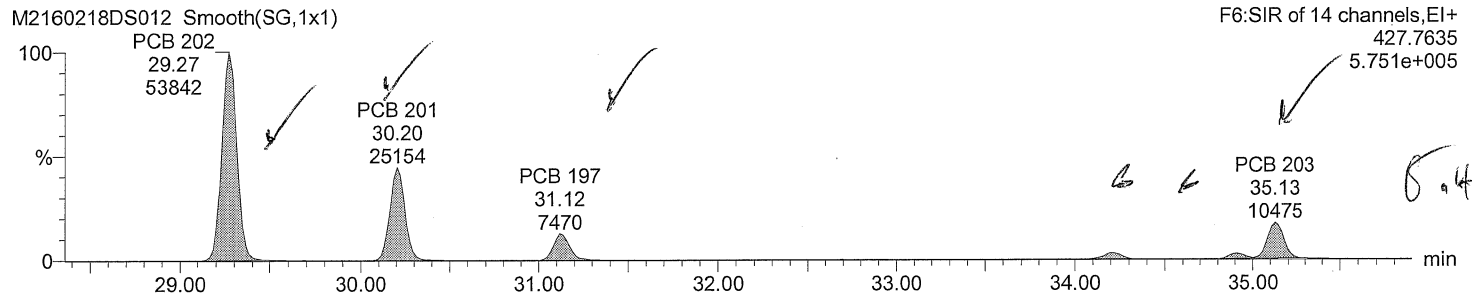


Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

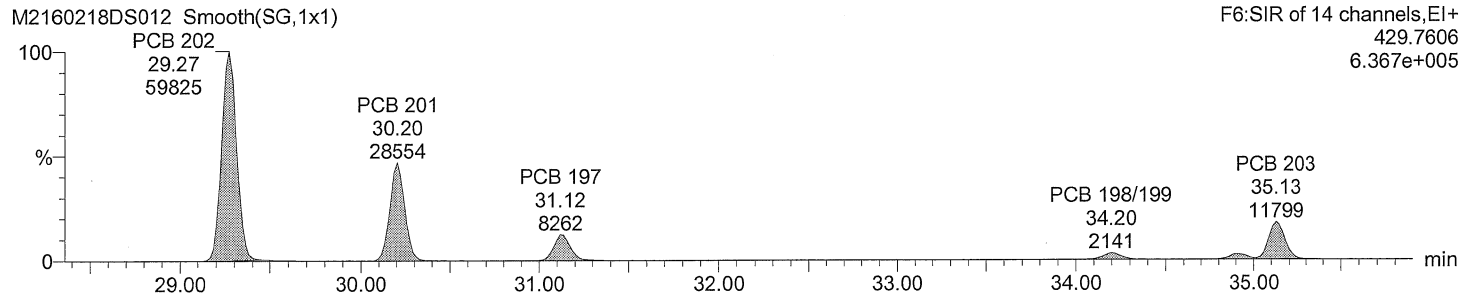
Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
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ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

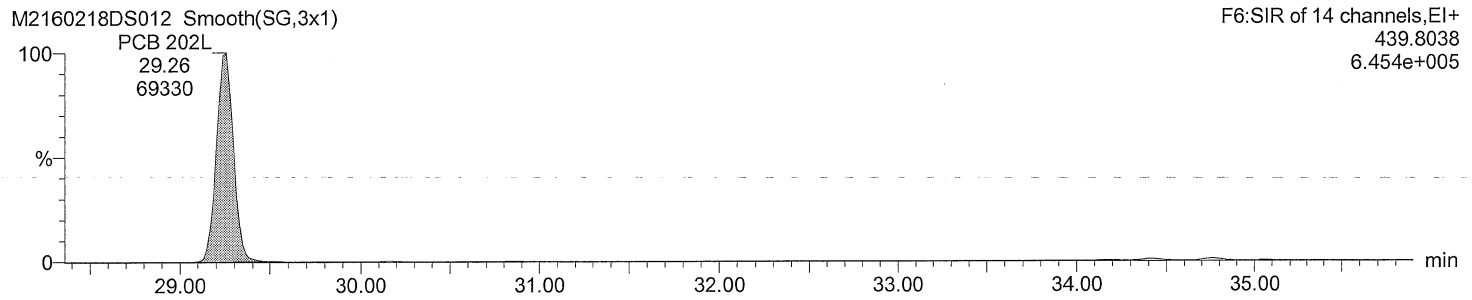
Total OcCB F6



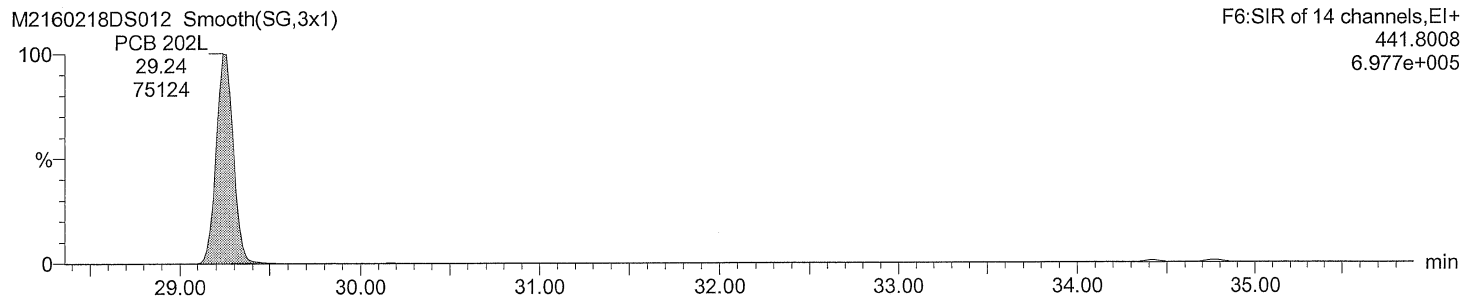
Total OcCB F6



Total OcCB labeled F6



Total OcCB labeled F6



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

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ID: WS#4386412/4378609, Ti

Description: REF MAT

Vial: 12

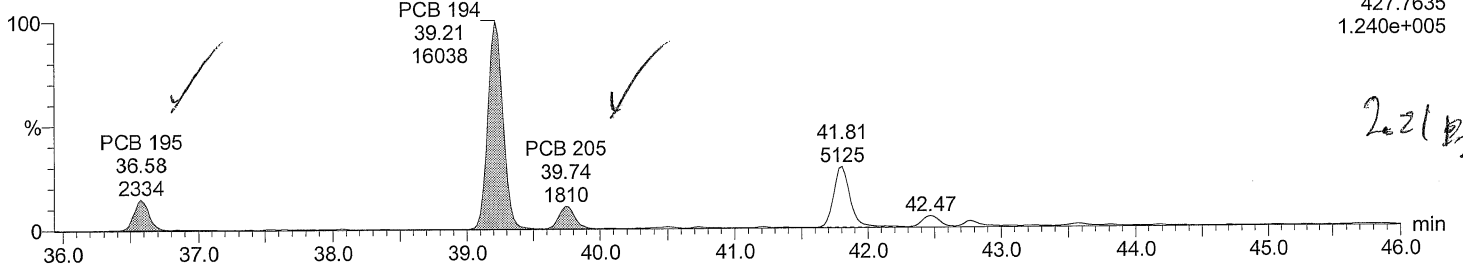
Date: 18-FEB-2016

Time: 03:39:40

Total OoCB F7

M2160218DS012 Smooth(SG,3x1)

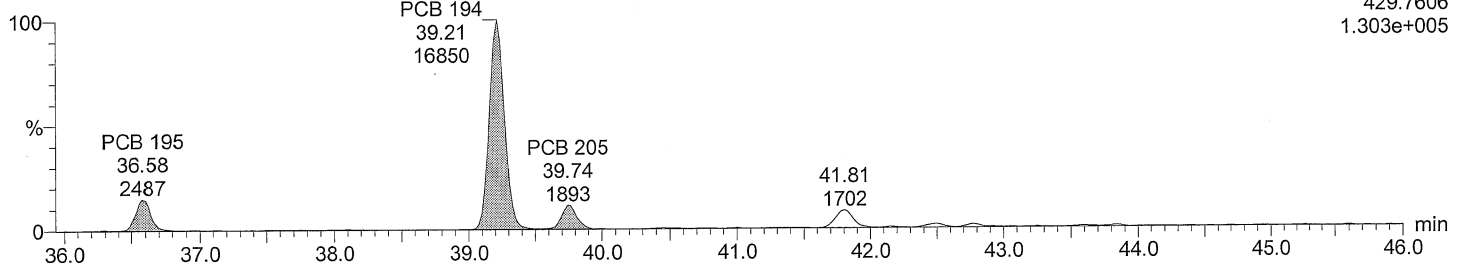
F7:SIR of 18 channels,EI+  
427.7635  
1.240e+005



Total OoCB F7

M2160218DS012 Smooth(SG,3x1)

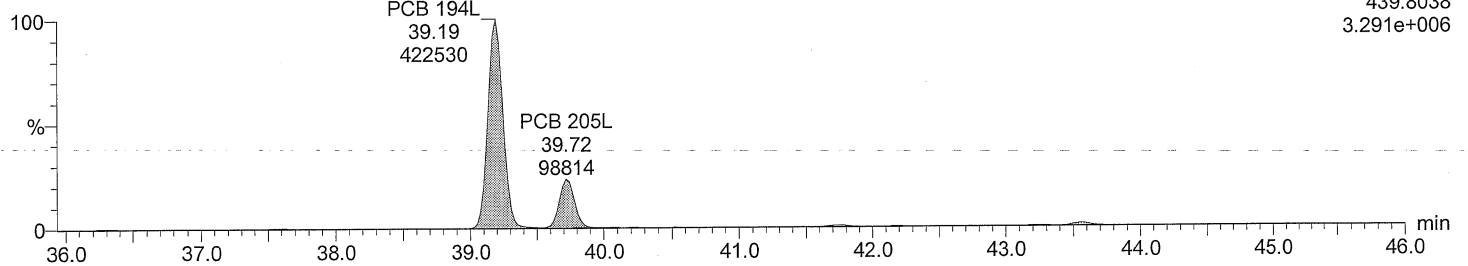
F7:SIR of 18 channels,EI+  
429.7606  
1.303e+005



Total OoCB labeled F7

M2160218DS012 Smooth(SG,3x1)

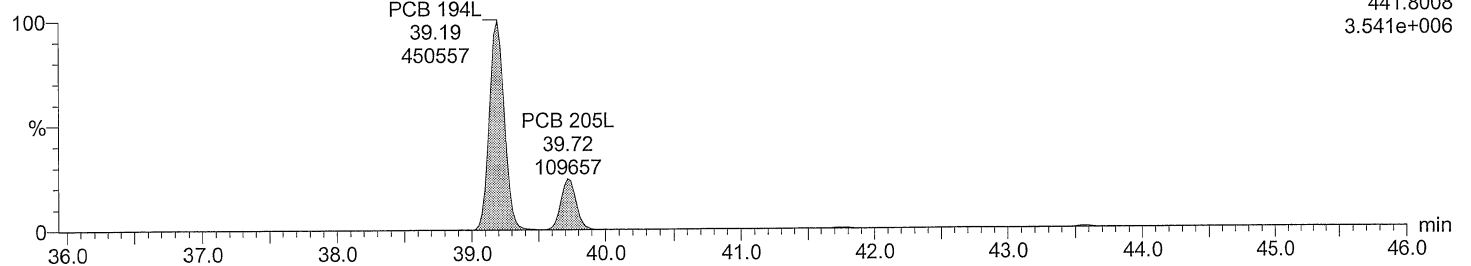
F7:SIR of 18 channels,EI+  
439.8038  
3.291e+006



Total OoCB labeled F7

M2160218DS012 Smooth(SG,3x1)

F7:SIR of 18 channels,EI+  
441.8008  
3.541e+006

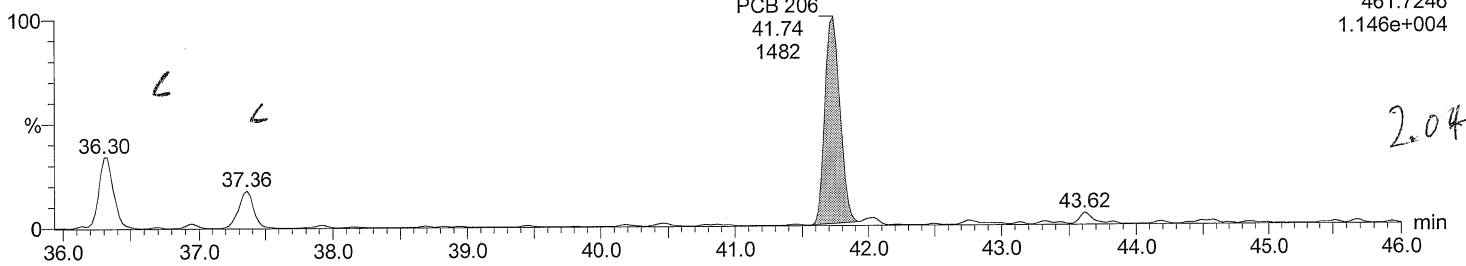


Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld  
Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
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ID: WS#4386412/4378609, Ti  
Description: REF MAT  
Vial: 12  
Date: 18-FEB-2016  
Time: 03:39:40

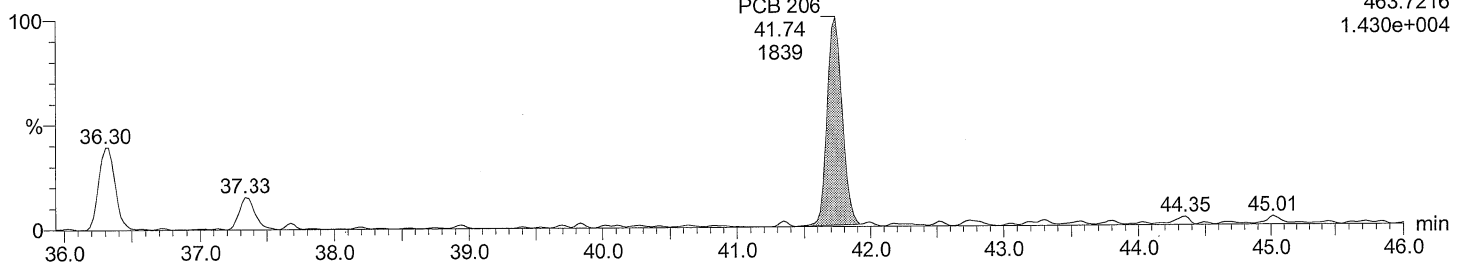
Total NoCB F7

M2160218DS012 Smooth(SG,3x1)



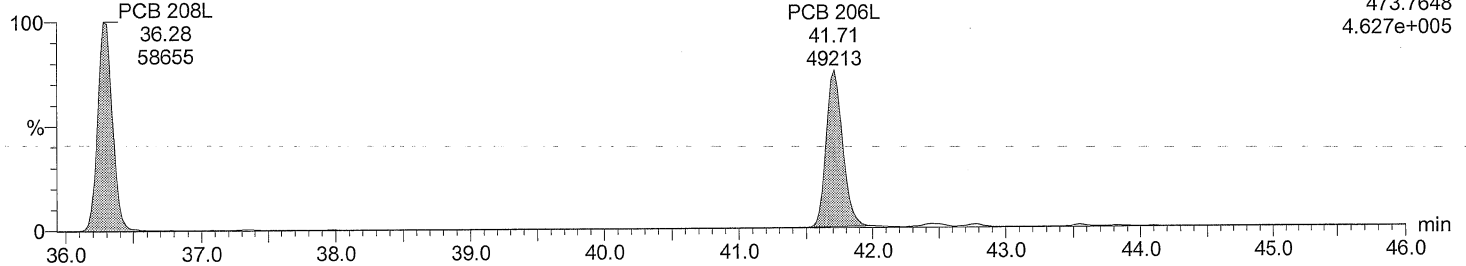
Total NoCB F7

M2160218DS012 Smooth(SG,3x1)



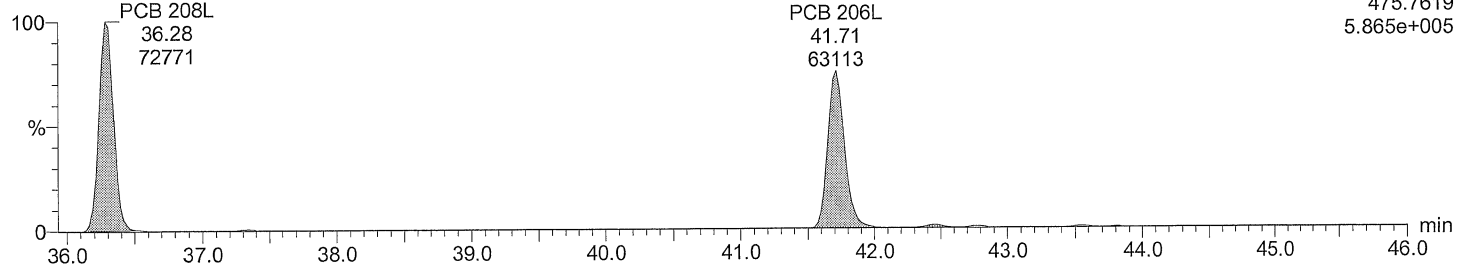
Total NoCB labeled F7

M2160218DS012 Smooth(SG,3x1)



Total NoCB labeled F7

M2160218DS012 Smooth(SG,3x1)



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

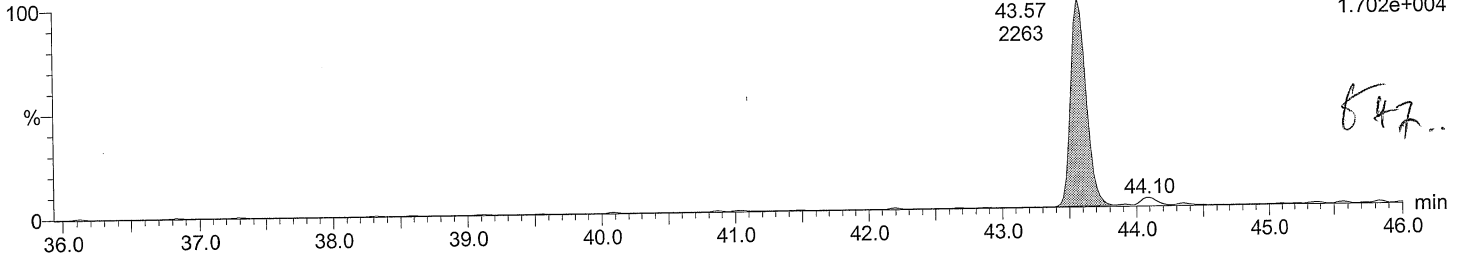
Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time  
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**ID: WS#4386412/4378609, Ti**  
**Description: REF MAT**  
**Vial: 12**  
**Date: 18-FEB-2016**  
**Time: 03:39:40**

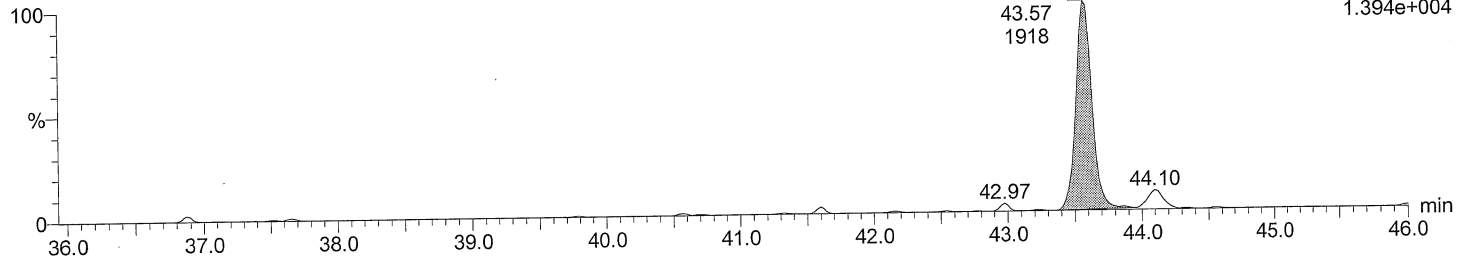
**Total DeCB F7**

M2160218DS012 Smooth(SG,3x1)



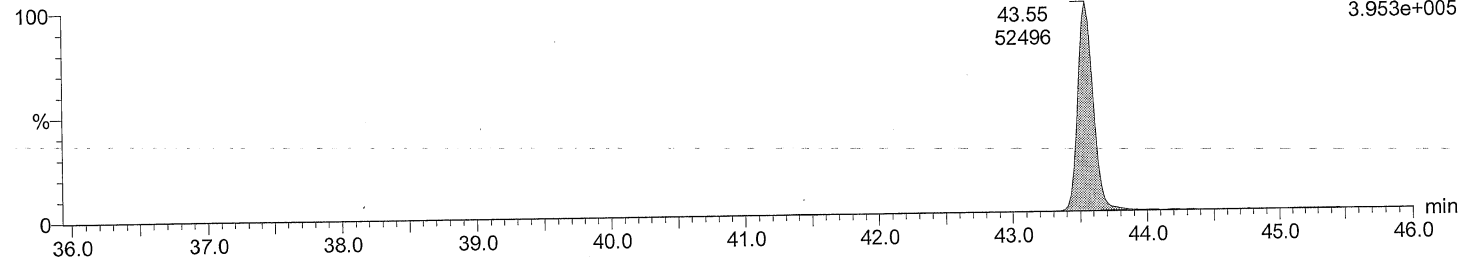
**Total DeCB F7**

M2160218DS012 Smooth(SG,3x1)



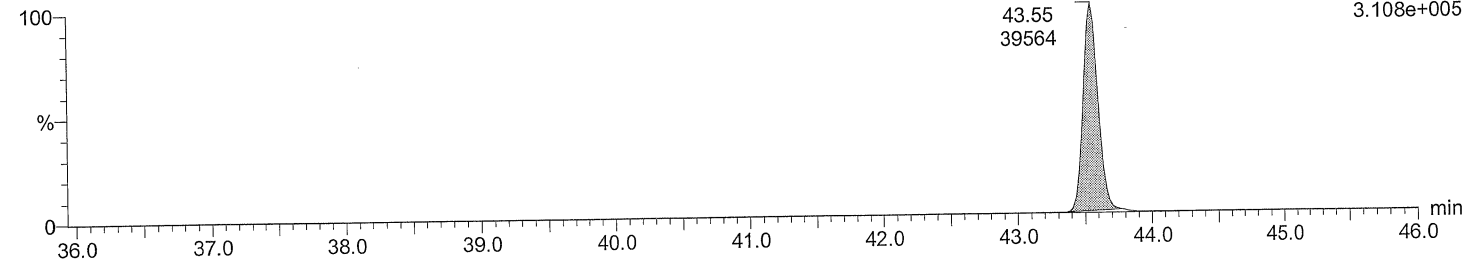
**Total DeCB labeled F7**

M2160218DS012 Smooth(SG,3x1)



**Total DeCB labeled F7**

M2160218DS012 Smooth(SG,3x1)



Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time

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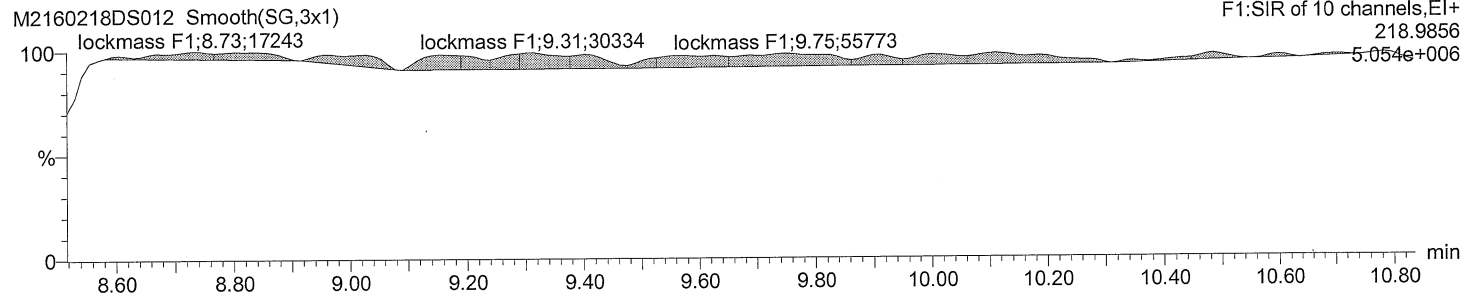
Description: REF MAT

Vial: 12

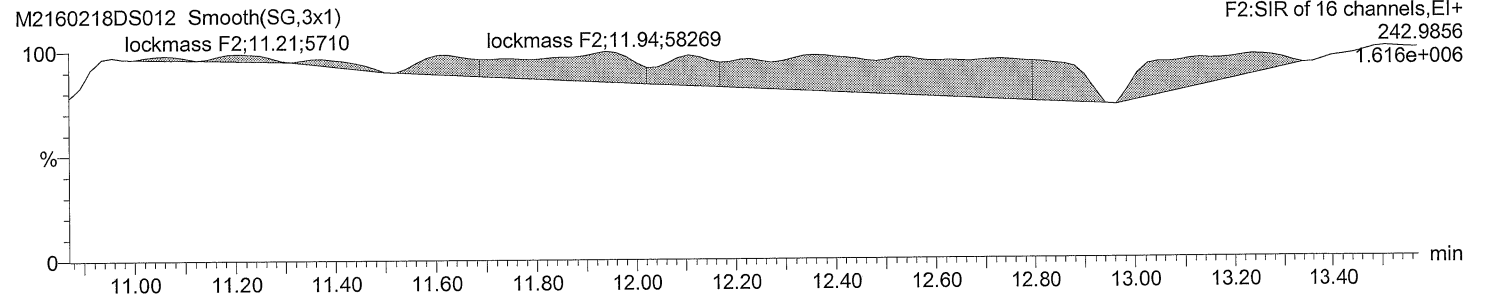
Date: 18-FEB-2016

Time: 03:39:40

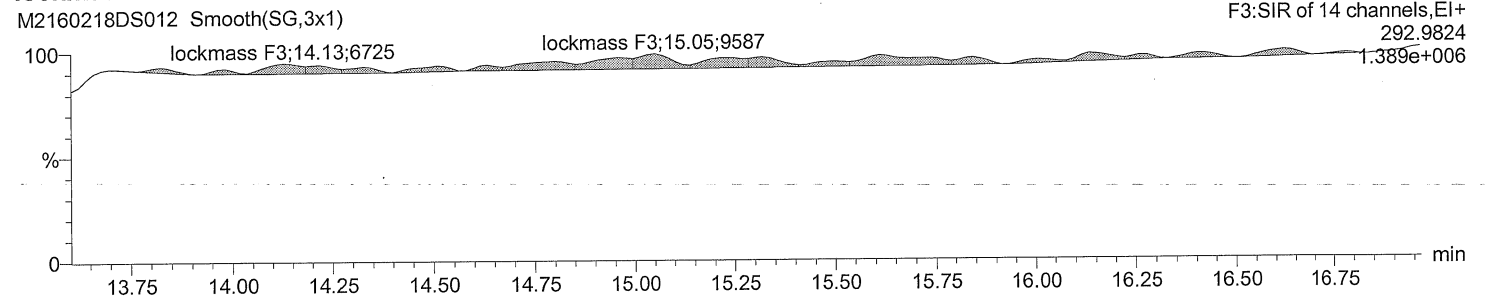
lockmass F1



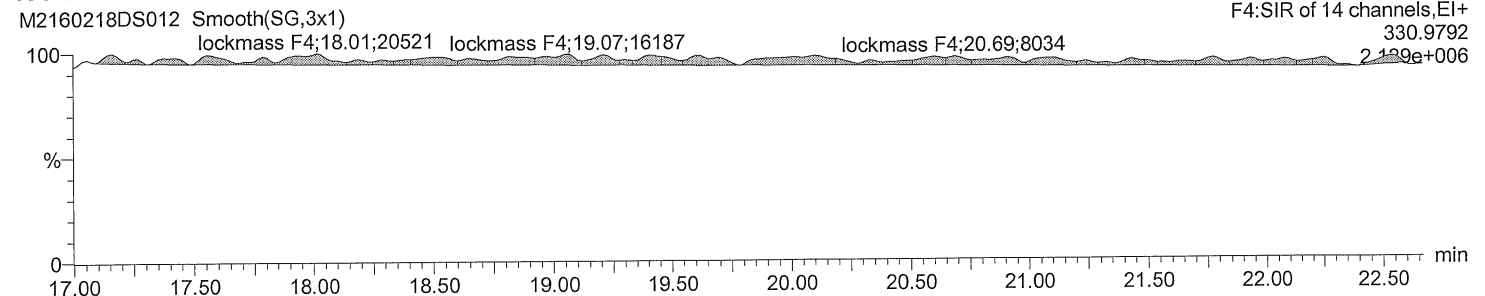
lockmass F2



lockmass F3



lockmass F4



**Quantify Sample Report** MassLynx 4.0 SP1

Acquired Date

Dataset: C:\MassLynx\Default.pro\M2160218D\_\M2160218D\_samples\_1668A.qld

Last Altered: February 22, 2016 09:42:26 AM Eastern Standard Time

Printed: February 22, 2016 09:47:16 AM Eastern Standard Time

**ID: WS#4386412/4378609, Ti**

**Description: REF MAT**

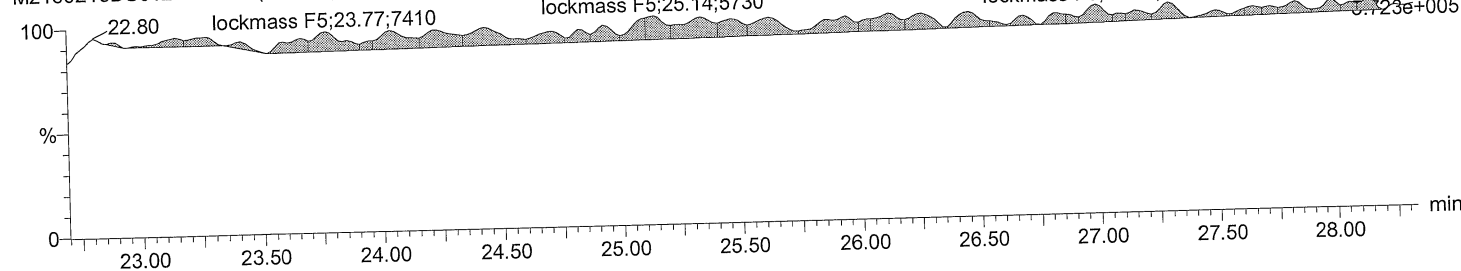
**Vial: 12**

**Date: 18-FEB-2016**

**Time: 03:39:40**

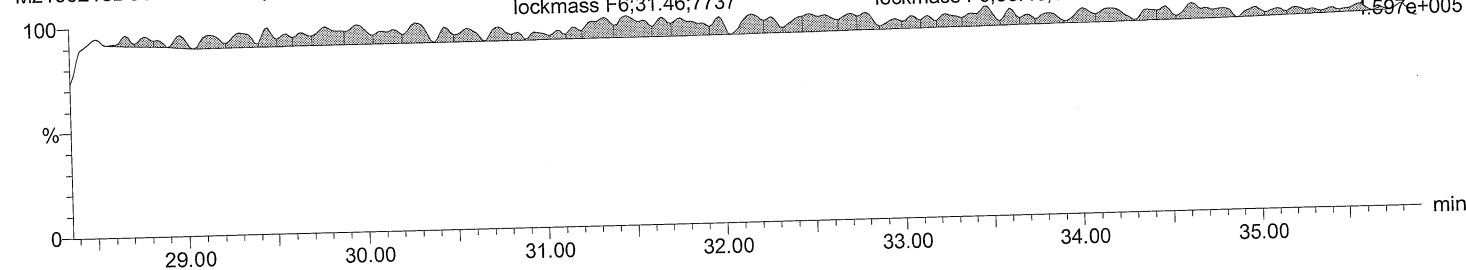
**lockmass F5**

M2160218DS012 Smooth(SG,3x1)



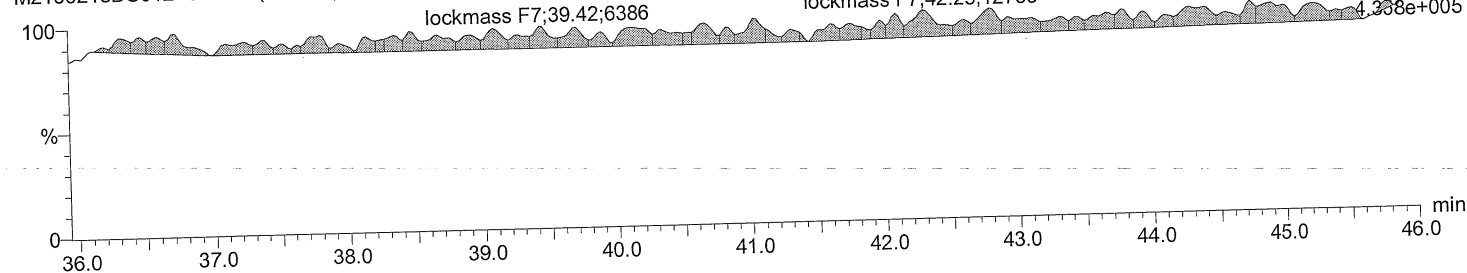
**lockmass F6**

M2160218DS012 Smooth(SG,3x1)



**lockmass F7**

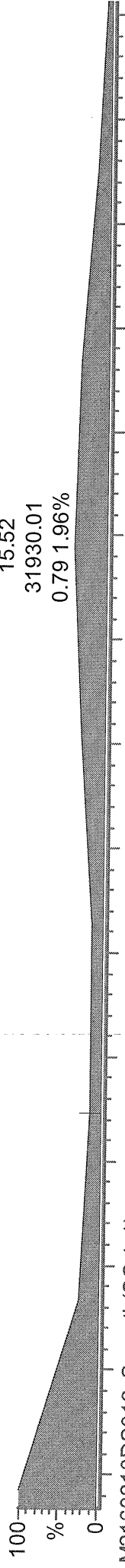
M2160218DS012 Smooth(SG,3x1)



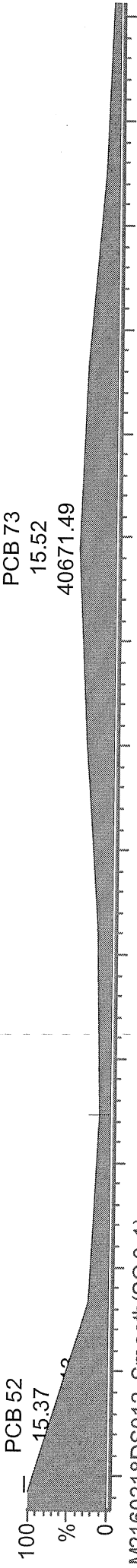


*Below*  
*16.02.22*  
*AM...*

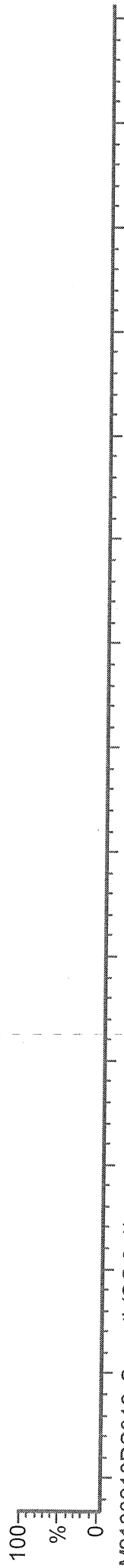
M2160218DS012 Smooth(SG,1x1)  
REF MAT WS#4386412/4378609, TI



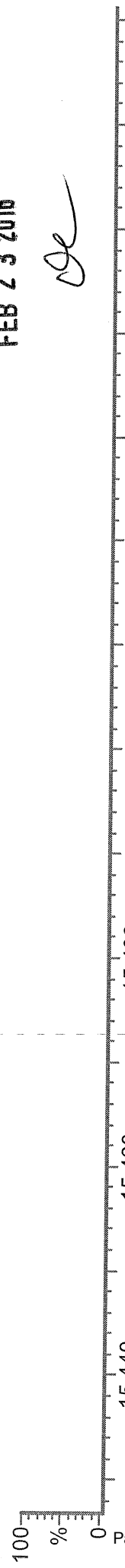
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REF MAT WS#4386412/4378609, TI



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, TI



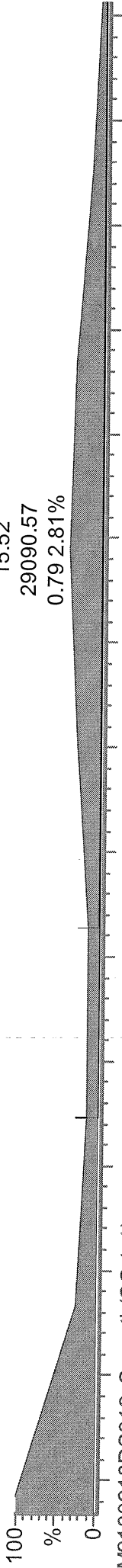
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REF MAT WS#4386412/4378609, TI



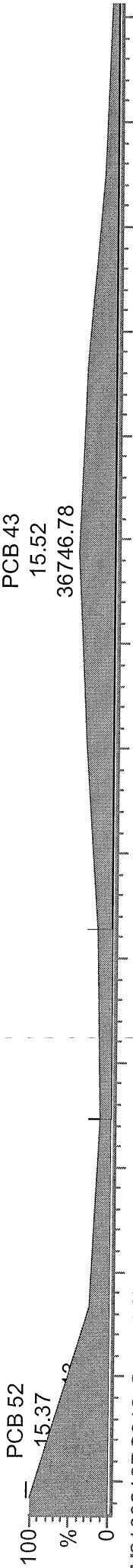
FEB 23 2016

M2 16/02/22 : AH

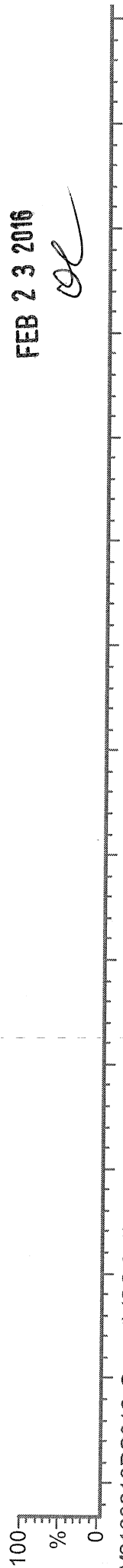
M2160218DS012 Smooth(SG,1x1)  
REF MAT WS#4386412/4378609, Ti



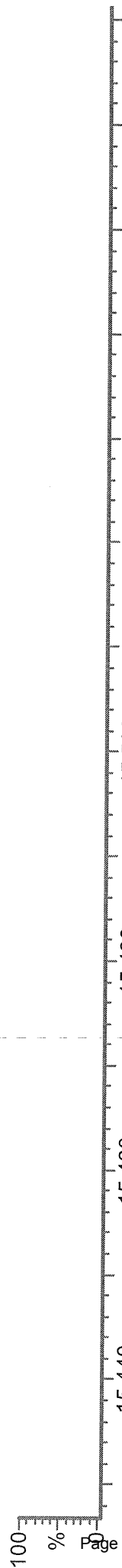
M2160218DS012 Smooth(SG,1x1)  
REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



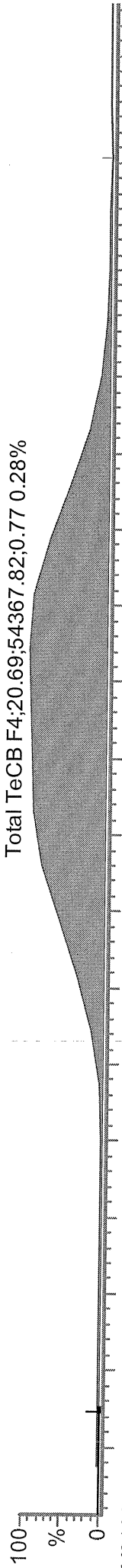
M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



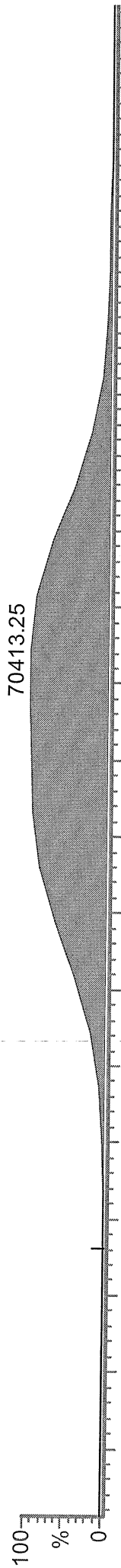
FEB 23 2016  
*DL*

*Below*  
*15:02:22*  
*AA-*

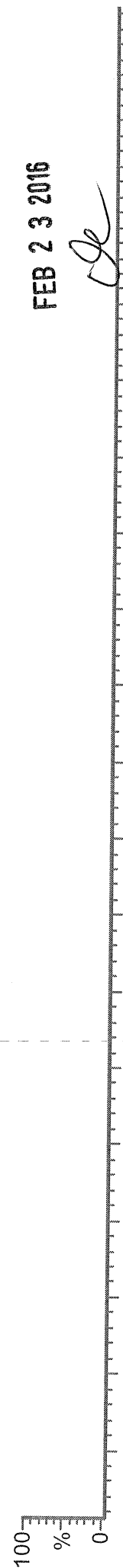
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REF MAT WS#4386412/4378609, Ti



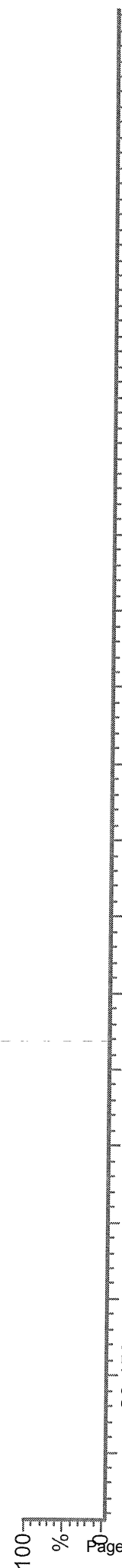
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REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



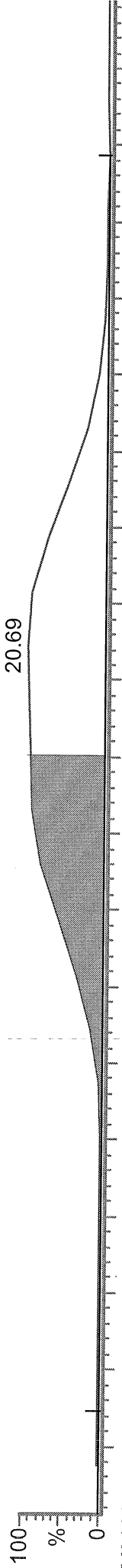
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REF MAT WS#4386412/4378609, Ti



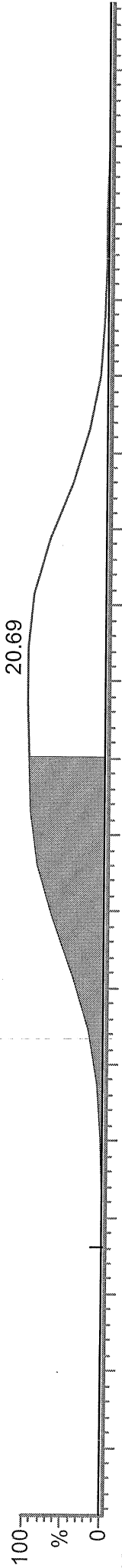
FEB 23 2016

M3 16/02/22 : AH

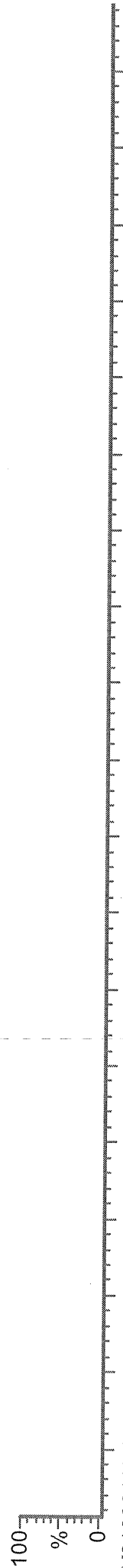
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REF MAT WS#4386412/4378609, Ti



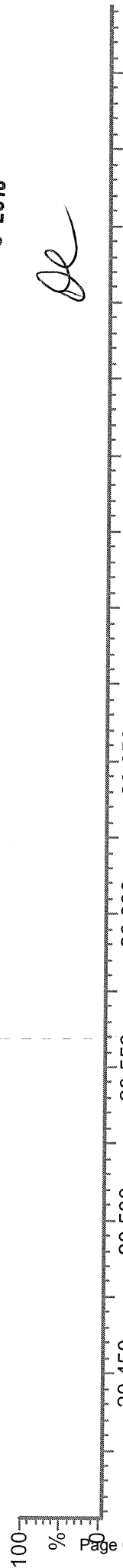
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REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti

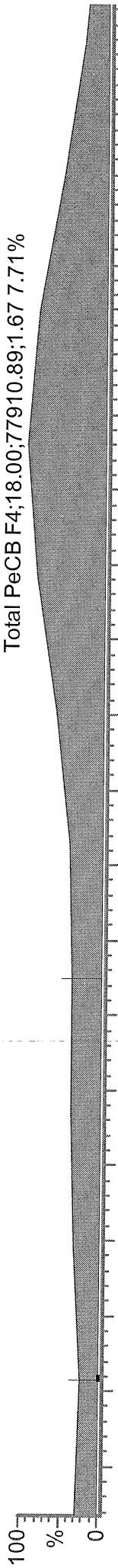


M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti

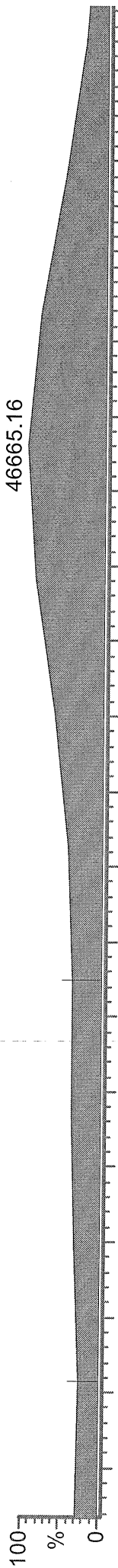


FEB 23 2016

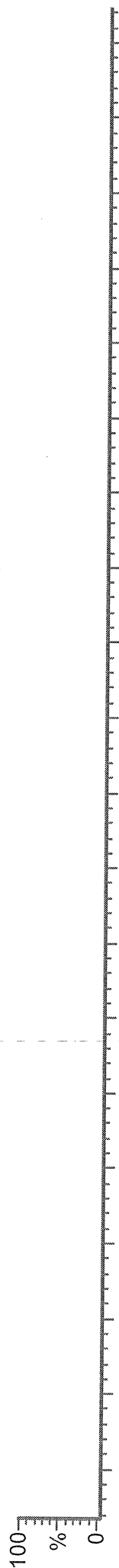
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REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,2x1)  
REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti

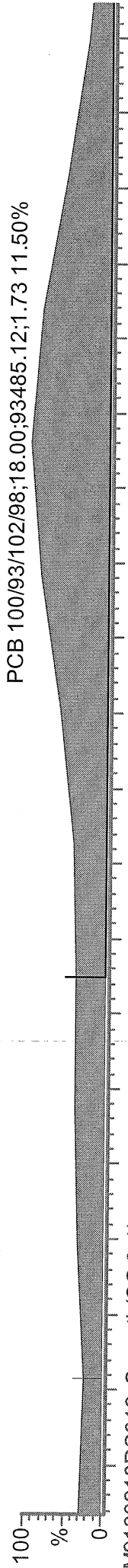


FEB 23 2016

*Below*  
*6.02.22*  
*A#*

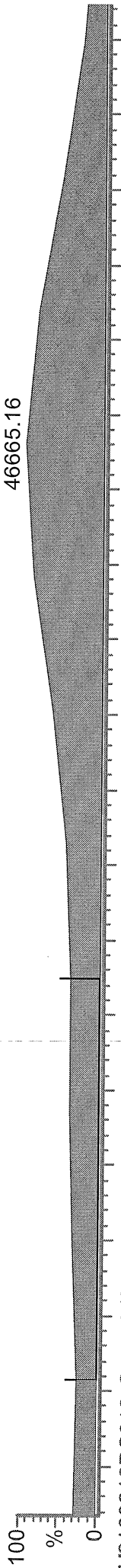
M3 16/02/22 : AH

M2160218DS012 Smooth(SG,2x1)  
REF MAT WS#4386412/4378609, Ti

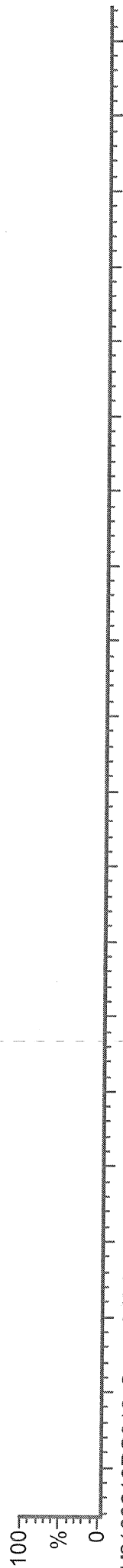


M2160218DS012 Smooth(SG,2x1)  
REF MAT WS#4386412/4378609, Ti

18.00  
46665.16

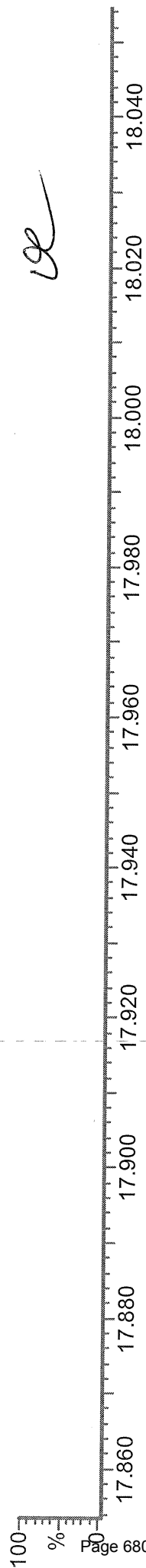


M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti

FEB 23 2016



Before  
15.02.22  
A.T.r.

M2160218DS012 Smooth(SG,2x1)  
REF MAT WS#4386412/4378609, TI

21.58  
146902.98  
1.66 7.40%

PCB 111  
21.86  
3350.41  
1.81 16.75%

M2160218DS012 Smooth(SG,2x1)  
REF MAT WS#4386412/4378609, TI

PCB 82  
21.58  
88248.19

PCB 111  
21.86  
1851.44

M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, TI

100  
%  
0

M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, TI

100  
%  
0

FEB 23 2016

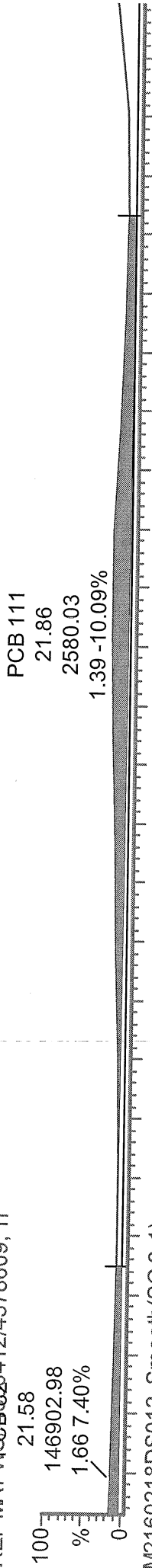
*de*

21.720 21.740 21.760 21.780 21.800 21.820 21.840 21.860 21.880 21.900 21.920 21.940 21.960

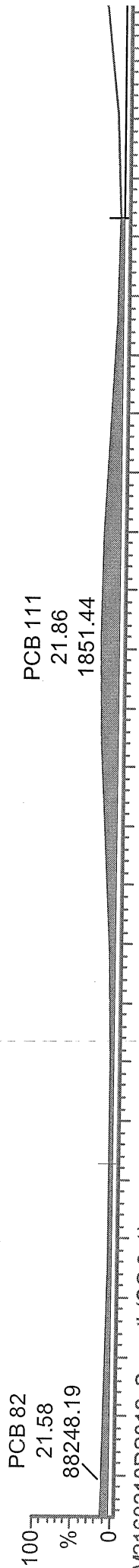
M3 16/02/22 : AH

Maxxam Analysis

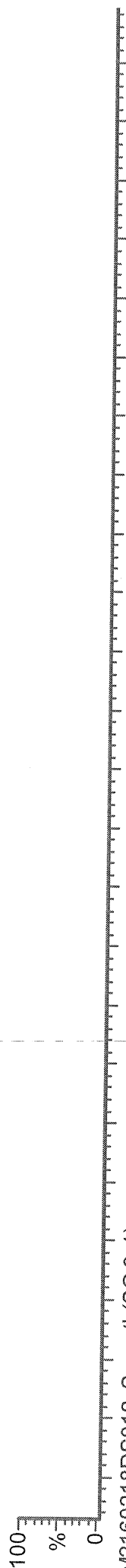
M2160218DS012 Smooth(SG,2x1)  
REF MAT WS#4386412/4378609, TI



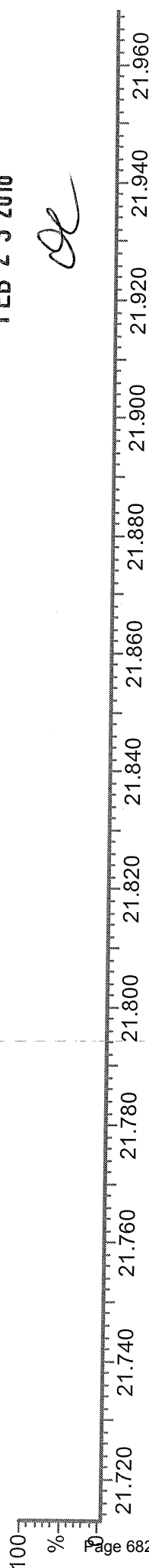
M2160218DS012 Smooth(SG,2x1)  
REF MAT WS#4386412/4378609, TI



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, TI



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, TI



FEB 23 2016

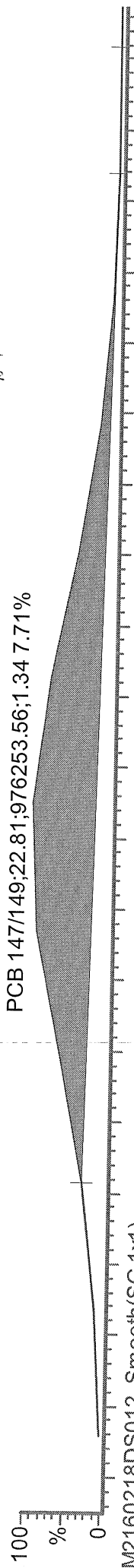


*Before*

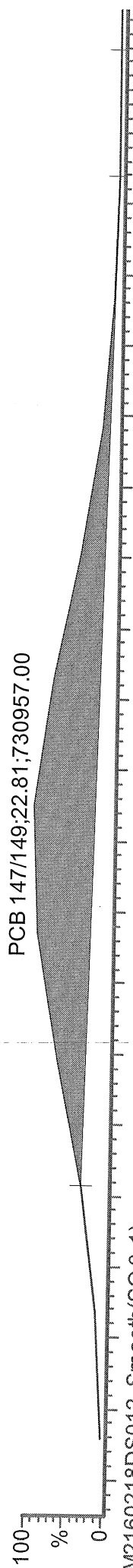
*15.02.22*

*HA...*

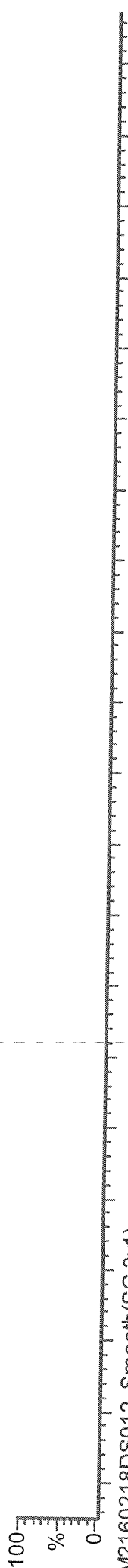
M2160218DS012 Smooth(SG,1x1)  
REF MAT WS#4386412/4378609, TI



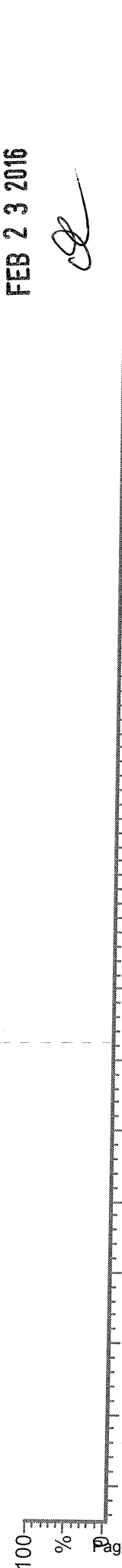
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REF MAT WS#4386412/4378609, TI



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, TI



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, TI

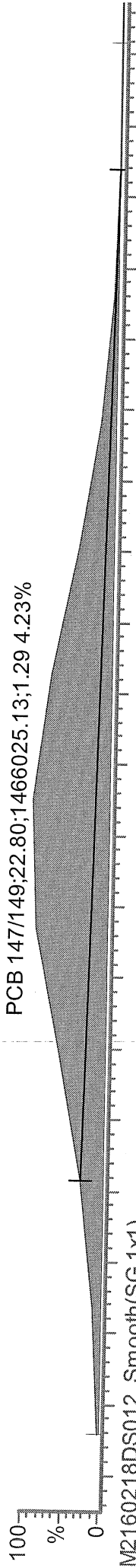


FEB 23 2016

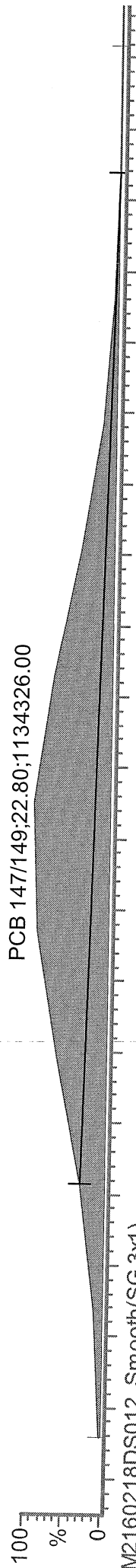
M3 16/02/22 : AH

Maxxam Anal

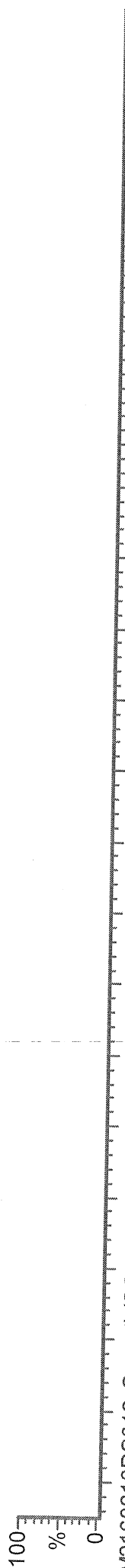
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REF MAT WS#4386412/4378609, Ti



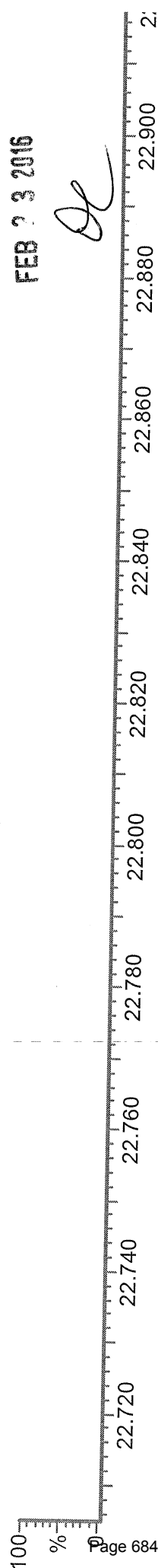
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REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti

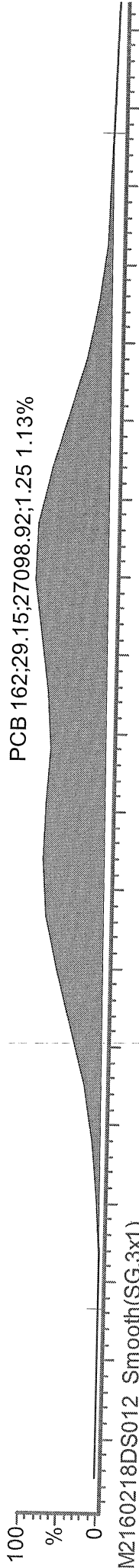


M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti

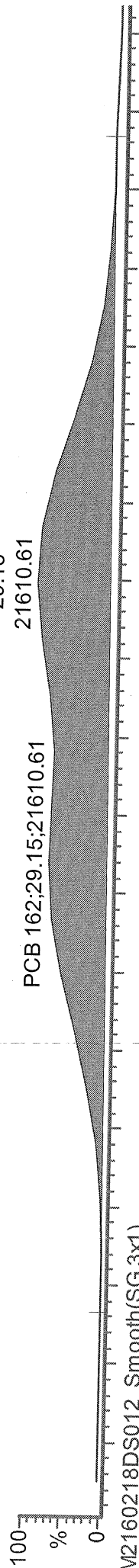


FEB 23 2016

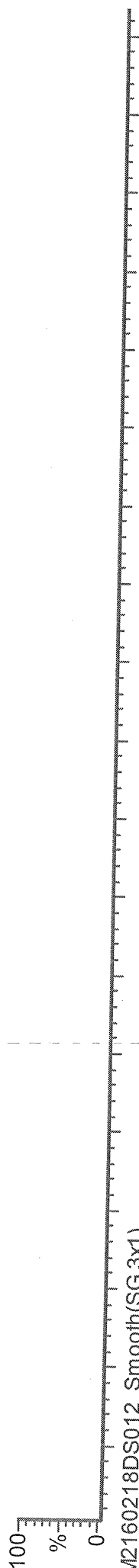
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REF MAT WS#4386412/4378609, Ti



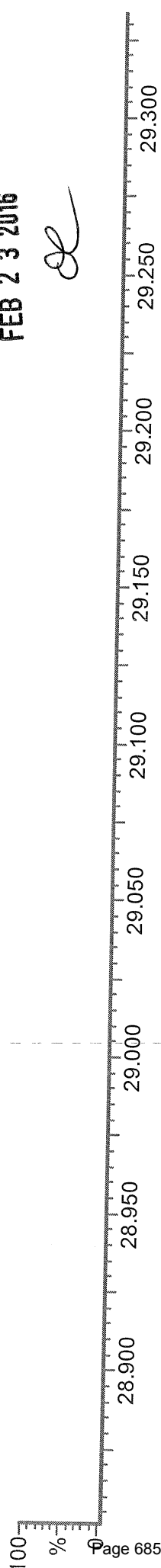
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REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti

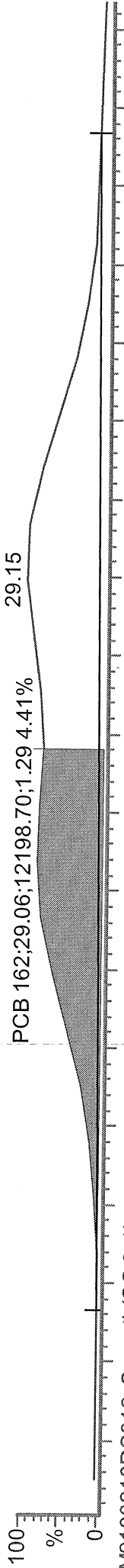


*Before*  
*18.02.22*  
*AA*

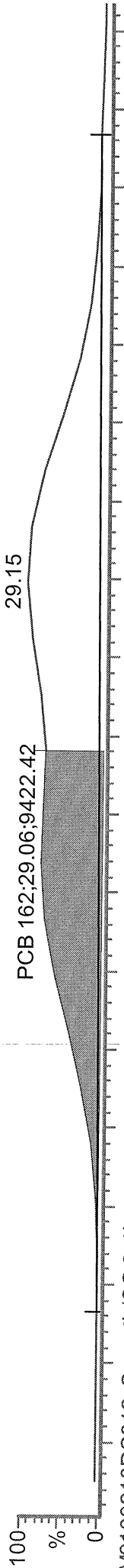
FEB 23 2016

M3 16/02/22 : AH

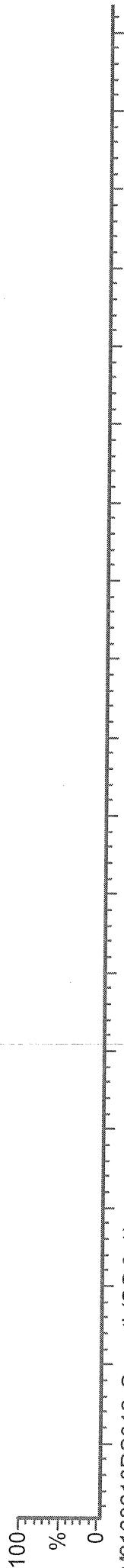
M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



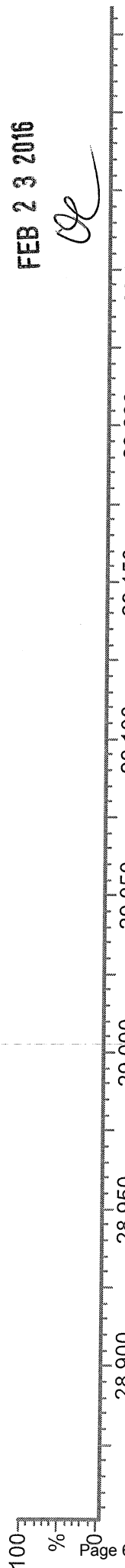
M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



M2160218DS012 Smooth(SG,3x1)  
REF MAT WS#4386412/4378609, Ti



FEB 23 2016

M2160219 - PCB

File Name	File Text	Sample ID	Job	Wt/Vol
---	---	---	---	1.000000
M2160211AS002	CS1_PCB 150417CXU	---	---	1.000000
M2160211AS003	CS2_PCB 150417CXU	---	---	1.000000
M2160211AS004	CS3_PCB 150417CXU	---	---	1.000000
M2160211AS005	CS4_PCB 150417CXU	---	---	1.000000
M2160211AS006	CS5_PCB 150417CXU	---	---	1.000000
M2160211AS007	SOLVENT	---	---	1.000000
M2160211AS008	CIL CS3 PCB PR-22535L	---	---	1.000000
M2160211AS009	209MIX_PCB 150822CXU	---	---	0.000000
---	---	---	---	0.000000
---	---	---	---	1.000000
---	---	---	---	1.000000
M2160219AS001	CS3_PCB 150417CXU	---	---	1.000000
M2160219BS001	209MIX_PCB 150822CXU	---	---	1.000000
M2160219BS002	SOLVENT	---	---	10.634400
M2160219BS003	BRP512-01R ✓	Anchor QEA, PG-SMA2-5-MUS-COC-16010, Ti	---	10.133900
M2160219BS004	BRP513-01R ✓	Anchor QEA, PG-SMA2-4-MUS-COC-16010, Ti	---	10.091400
M2160219BS005	BRP572-01R ✓	Anchor QEA, PG-T0-5-MUS-COC-151030, Ti	---	10.012900
M2160219BS006	BTX904-01R - Dil'n - Re-	Apex AMCCO-SB095-0-1, S	---	1.000000
M2160219BS007	SOLVENT	---	---	9.923900
M2160219BS008	BTZ870-01R ✓	MAXXAM OB0623 \ 10-BH16-1 S-3, S	---	9.769200
M2160219BS009	BTZ874-01R ✓	MAXXAM OB0629 \ 10-BH16-6 S-2, S	---	9.500500
M2160219BS010	BTZ875-01R ✓	MAXXAM OB0630 \ 10-BH16-6 S-24, S	---	10.003400
M2160219BS011	BTZ876-01R ✓	MAXXAM OB0632 \ TH100 S-1, S	---	10.005300
M2160219BS012	BUA896-01R - Dil'n - Re-	MAXXAM PCB CONENERS IN SOIL/LOT, S	---	1.000000
M2160219BS013	SOLVENT	---	---	1.000000
M2160219BS014	CS3_PCB 150417CXU	---	---	1.000000
M2160219BS017	SOLVENT	---	---	1.000000
M2160219BS018	SOLVENT	---	---	1.000000
M2160219BS019	PCB R.S. 16/02/19 test ✓	100uL nonane + 10uL R.S. solution	---	1.000000
M2160219BS020	PCB R.S. 15/11/04 ✓	100uL nonane + 10uL R.S. solution	---	1.000000



Report Name : Worksheet - (Liquids and Solids)

Assignment Date : Thursday, February 18, 2016

Assigned to : Cathy Xu

Test Code : PCBCONHR-T

Instrument Id: 220-GCHRMS2

Test Description : To determine PCB congeners in tissue - full list of congeners (must specify whether to calculate on Lipid content).

Job Number	Sample Number	D	Sample ID	F	% Moisture	Wt or Vol	Final Vol	DF or AF	# Cont	Expiry Date	Test DeadLine	Criteria	Extract Date
	REF MAT		MHRPD										2016/02/11
	SPIKE	0	MHRPD										2016/02/11
	SPIKE	1	MHRPD										2016/02/11
	BLANK												2016/02/11
B612062	*BRP508-01R		PG-SMA2-2-MUS-*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP509-01R		PG-PJ-1-MUS-COC*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP510-01R	0	PG-WS-1-MUS-CO*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP510-01R	1	PG-WS-1-MUS-CO*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP511-01R		PG-GP-1-MUS-CO*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP512-01R		PG-SMA2-5-MUS-*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612062	*BRP513-01R		PG-SMA2-4-MUS-*						1	2017/01/03	2016/02/23 23:00		2016/02/11
B612077	*BRP572-01R		PG-T0-MUS-COC-*						1	2016/10/29	2016/02/23 23:00		2016/02/11
B618913	BTC221-01R		FISH MEAL 5-3444*						1		2016/02/26 17:00		2016/02/11
B622429	BUA897-01R		PCB CONGENERS*						1		2016/02/28 18:00		2016/02/11

Remarks: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Samples extracted by: Sanjaykumar Patel

Instrumentation performed by: Cathy Xu

Calculations performed by: Cathy Xu

Maxxam Analyticals by: D Condy

Date: 16/02/19

Date: 16/02/23

Date: 16/02/23 Page 688 of 988

Ultra Trace - Worksheet Validation Checklist

Prep Worksheet # <u>4378609</u>	Instrument Worksheet # <u>4386412</u>
Testcode: <u>PREPCB-T1</u>	Testcode: <u>PCB CONHR-T</u>

Sample Preparation		yes	no	n/a
1	Samples extracted within hold time	✓		
2	Client sample ID verified against Lab ID	✓		
3	Job Remarks reviewed on 2nd page of worksheet & testcodes reviewed for spiking	✓		
4	Method required QC processed with samples	✓		
5	Sample, duplicate, matrix spike appear similar, initial sample as well as final extract	✓		
6	Sample weight or initial volume and extract final volume, aliquot factor clearly recorded.	✓		
7	If performed any additional dilution clearly recorded	✓		
8	Spiking solutions valid (haven't expired); ID and volume used clearly identified on worksheet	✓		
9	Spiking process witnessed and signed off	✓		
10	Sample prep deviations documented on Bench Level Deviation Form (CAM FCD-00328)			
11	tracking sheets completed	✓		✓

Prepared by: [Signature] Date: 2016/02/11  
 Comments: \_\_\_\_\_  
 Reviewed by: [Signature]  
2/16/02/18

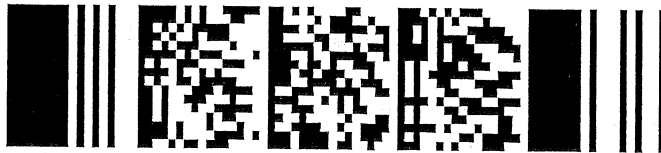
Primary review by the analyst - 100 % analysis review		yes	no	n/a
1	System performance check acceptable (if applicable)	✓		
2	Analysis set-up meets method criteria	✓		
3	Tuning and correct calibration used - criteria meets method criteria	✓		
4	SQC/Control Charts updated, analysis in statistical/method control			
5	Internal area counts checked (if applicable)			✓
6	LCS, SRM are within acceptance criteria			✓
7	Surrogate Recovery(s) is within acceptance criteria			✓
8	Method Blank meets acceptance criteria	✓		
9	Matrix Spike recovery(s) meets acceptance criteria			✓
10	Duplicate precision meets acceptance criteria			✓
11	QC is documented on the run logs	✓		✓
12	Runs checked for carryover	✓		
13	Prep log / worksheet(s) are present, signed / dated by a prep / instrument analysts	✓		
14	Initial weights, splits, impinger volumes (where applicable) are documented	✓		
15	Samples above calibration range diluted and reanalyzed			
16	Dilution factors (where justified) have been checked for correctness and entered			✓
17	Analytical observations/anomalies documented in LIMS			✓
18	If corrective actions were applied they are documented, initialed & dated	✓		
19	Transferred data is approved in LIMS for correctness	✓		
20	Sample Prep section (above) reviewed and verified.	✓		
21	Data package assembled (where required)	✓		

Data Approved by: [Signature] Date: 16/02/24  
 Comments: \_\_\_\_\_

Secondary Supervisor/Qualified Data Review Staff		yes	no	n/a
1	Repeats documented and referenced	✓		
2	Method and sample deviations noted, anomalies described (if applicable)	✓		
3	Data and QC validated in LIMS	✓		
4	Manual integration - before & after data with a reason included, initialed & dated	✓		
5	Random calculation checked	✓		
6	Worksheet(s) and sample prep sheets (FCDs) signed and dated	✓		
7	Data Package (if required) checked for completeness	✓		

Validatus Checked by: [Signature] Date: 16/02/23  
 Comments: \_\_\_\_\_

Note: Primary and Secondary Internal Data Review Check must be performed by a different person



Report Name : Worksheet - (Liquids and Solids)

Assignment Date : Thursday, February 11, 2016

Assigned to : Sanjaykumar Patel

Test Code : PREPPCB-TI

Instrument Id:

Test Description : Preparation of tissue by 1668 for PCBs

Job Number	Sample Number	D	Sample ID	F	% Moisture	Wt or Vol	Final Vol	DF or AF	# Cont	Expiry Date	Test DeadLine	Criteria	Extract Date
	REF MAT		B 1974C		T40	7.8846	100ml					T40	2016/02/11
	SPIKE	0	BFM 737		T31	0.2044	1					T153	2016/02/11
	SPIKE	1	BFM 737		T67	0.1485						T174	2016/02/11
	BLANK		BFM 737		T69	0.2715						T5	2016/02/11
B612062	BRP508-01R		PG-SMA2-2-MUS-*		T151	0.2378			1	2017/01/03	2016/02/10 18:00	T186	2016/02/11
B612062	BRP509-01R		PG-PJ-1-MUS-COC*		T161	0.1419			1	2017/01/03	2016/02/10 18:00	T36	2016/02/11
B612062	BRP510-01R	0	PG-WS-1-MUS-CO*		T162	0.0763			1	2017/01/03	2016/02/10 18:00	T187	2016/02/11
B612062	BRP510-01R	1	PG-WS-1-MUS-CO*		T153	0.1728			1	2017/01/03	2016/02/10 18:00	T171	2016/02/11
B612062	BRP511-01R		PG-GP-1-MUS-CO*		T50	0.0191			1	2017/01/03	2016/02/10 18:00	T193	2016/02/11
B612062	BRP512-01R		PG-SMA2-5-MUS-*		T164	0.6344			1	2017/01/03	2016/02/10 18:00	T155	2016/02/11
B612062	BRP513-01R		PG-SMA2-4-MUS-*		T35	0.1339			1	2017/01/03	2016/02/10 18:00	B34	2016/02/11
B612077	BRP572-01R		PG-T0-MUS-COC-*		T9	0.0914			1	2016/10/29	2016/02/10 18:00	T198	2016/02/11
B618913	BTC221-01R		FISH MEAL 5-3444*		T36	0.2362		5	1		2016/02/22 17:00	T200	2016/02/11
B622429	BUA897-01R		PCB CONGENERS*		T150	0.3555		10X	1		2016/02/21 18:00	T191	2016/02/11
	BLK		Maxsolvent		T38							T17	

Remarks: 2016 02 13 BUA897 1/5 of sample extract used for cleanup MR2

Samples extracted by: Sanjaykumar Patel

Instrumentation performed by: \_\_\_\_\_

Date: \_\_\_\_\_

Calculations performed by: \_\_\_\_\_

Date: \_\_\_\_\_

Maxsolvent: \_\_\_\_\_

Date: \_\_\_\_\_



Job No.	Rep	Client Name	Contact	Client Tier	National
	Remarks				
GB612062	MDG Anchor QEA, LLC	Anchor QEA Reporting			
	PCBCONHR-T ANCHOR QEA Project. ***Please extract SRM and Spike Dup*** 4 week TAT ANCHOR EQuis EDD. Please contact client before disposal of samples. Store any remaining mass frozen. Project #: ATSO				
GB612077	MDG Anchor QEA, LLC	Anchor QEA Reporting			
	PCBCONHR-T Anchor QEA Project. ***Please extract SRM and Spike Dup*** 4 week TAT ANCHOR EQuis required. Please contact client prior to disposal. Store any remaining mass frozen. Project #: APR4				
FB618913	MDC Maxxam BRL PT Programs	Salima Haniff	Tier 4 (Enviro.)		
	Project #: BIPEA JANUARY 2016				
GB622429	MDC Maxxam BRL PT Programs	Salima Haniff	Tier 4 (Enviro.)		
	Please report data for DF8290-S and DF1613-S on separate final reports. Refer to the attached sample handling instructions before processing samples. Project #: LPTP16-S1				

*Handwritten signature*  
2016/02/11

Surrogates/Spikes	Method Spike	Spikes	Samples

Sample	Preparation Remarks

Sample	Instrumentation Remarks

## HRMS Sample Information Transfer

Analyst: Saujan

Date: 2016/02/11

WS # 4378609

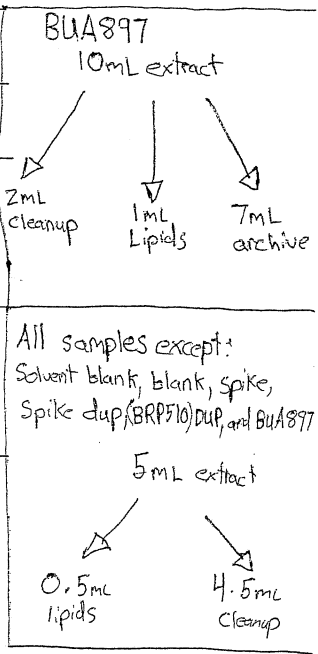
Extraction Status: \_\_\_\_\_

Roto-Vap Status: Done 2016/02/13 MH

Filtered/Transferred 2016/02/13 MH  
Lipids done, started on GPC - MRZ 2016/02/13  
rotovaped after GPC 2016/02/14 MH

Cleanup Status: \_\_\_\_\_

Acid Column Done 2016/02/14 MH  
- PCB column done, need to blow down. 2016/02/16 MR



Reacti-Vial: done 2016-02-18 Start 2016/02/18

Completion Date: 2016/02/18

### HR Soil/Tissue/Food Tracking Sheet

Solvent	Lot No	Date & Time	Extracted by:-	WS#
MeCk	157981	2016/02/11 4:30pm	SPT	13778609
Hexane	157979	2016/02/11 4:30pm	Cleaned up by:-	
Toluene		2016/02/12 9 Am.		
Iso Octane	157042	MRZ		
Na <sub>2</sub> S <sub>2</sub> O <sub>4</sub>	153169	2016 02 13	ID of Balance Used	
Acetone		2	Rotovape ID	
Silica	24			

Spiking Witness by: *[Signature]* 2016/02/11

\*Note: If samples are cleaned up by FMS then attach the FMS FCD.

Solvent/Absorbent	Lot#/Lab ID	Solvent/Absorbent	Lot#/Lab ID	Solvent/Absorbent	Lot#/Lab ID
44% Acid Silica		4%DCM : Hexane		50% Toluene: Ethyl Acet	
33% KOH Silica		Alumina		50%DCM : Hexane	
10% AgNO <sub>3</sub>		50%DCM : Cyclohex.		Carbon/Cellite	
Surrogate/Spike solutions	Syringe ID	Concentration		MTD SPK	Mx. Spk.
EPA Mtd 23 Internal Std Soln		13C12-T4-H7DD/DF @ 100 pg/ul 13C12-O8CDD @ 200 pg/ul			
EPA Mtd 23 Matrix Spiking Soln		T4-H7DD/DF @ 250pg/ul O8CDD/DF @ 500pg/ul			
EPA Mtd 1613 Internal Std. Soln		13C12-T4-H7DD/DF @ 100pg/ul 13C12-O8CDD @ 200pg/ul			
EPA Mtd 1613 Matrix Spiking Soln		T4 @ 40 P5-H7DD/DF @ 200 pg/ul O8CDD/DF @ 400 pg/ul			
EPA Mtd 1613 Alt. Spike (Clean-up)		37C14-2378-T4CDD @ 40pg/ul			
EPA Region IV (8290) Internal Std Soln		13C12-T4-P5 @ 100pg/ul H6-H7 @ 250 pg/ul 13C12-O8CDD @ 500 pg/ul			
EPA Region IV (8290) Mat. Spiking Soln		T4-H7DD/DF @ 25 pg/ul O8CDD/DF @ 50 pg/ul			

Solvent/ Absorbent	Lot#/Lab ID	Concentration	Prep. Date/Code	MTD SPK	Mx. Spk.	Samples
1% Deafi. Alumina		5-10 ng/ul				
Surrogate/Spike solutions	Syringe ID	5ng/ul				
CARB 429 Internal Std Soln (PAH)						
CARB 429 Matrix Spiking Soln						

Solvent/ Absorbent	Lot#/Lab ID	Solvent/ Absorbent	Lot#/Lab ID	MTD SPK	Mx. Spk.	Samples
44% Acid Silica	2016 02 10 07	3% Deactivated Silica	2016-02-08 #2			
Copper	00C	Nonane	HB D876SV			
3% Deactivated Florisil	2016-02-05 #2					
Surrogate/Spike solutions	Syringe ID	Concentration				
HR PCB Internal Std Soln	15HRMS-22 ✓	0.4ng/ul	150409CX40) 1/2 ✓			
HR PCB Matrix Spiking Soln	15HRMS-23 ✓	0.1ng/ul	150414 CX4 1/2 ✓			
HR PCB Alternate (Clean-up) Spike	14HRMS-13	0.4ng/ul	150410 CXU 1/2			

Solvent/ Absorbent	Lot#/Lab ID	Solvent/ Absorbent	Lot#/Lab ID	MTD SPK	Mx. Spk.	Samples
Petroleum Ether		1% Deactivated Florisil				
Ethyl Acetate		20% Ethyl Acet: Petroleum Ether				
Surrogate/Spike solutions	Syringe ID	Concentration				
HR PCB Internal Std Soln		4ng/ul				
HR PCB Matrix Spiking Soln		5ng/ul				

COMMENTS:-

83 of 88

**PCB CONGENERS IN FISH TISSUE - PT**

Sample Item Number SPE068TIS-30G

B622429

**Description**

The PT sample size provided is 30 g of biological fish matrix. Recommended storage condition is 4° C.

**Sample Preparation**

Mix Prior to use. Recommended minimum sampling size is 1 gram. Analyze The sample using the preparatory and determinative method(s) for which you are seeking accreditation. Note: Sample extracts and calibration solutions should be in the same solvent. Report on a dry weight basis.





## **4.3 Sample Chromatograms**

Maxxam Analytics International  
6740 Campobello Rd  
Mississauga, Ontario, Canada  
L5N 2L8  
1-800-668-0639  
[www.maxxamanalytics.com](http://www.maxxamanalytics.com)

Analysis Type :   
 Maxxam ID # :   
 Analyte:   
 Instr. File Name :

Injection Date :   
 Injection Time :

**SAMPLE DATA: the following is applicable to all reported HRMS analyte calculations**

DAILY RFs  
Using post concal

Analyte Area (Primary + Secondary Ions) =  =A  
 Recovery Standard Area (Primary + Secondary Ions) =  =B  
 Internal Standard Area (Primary + Secondary Ions) =  =C  
 Amount of Recovery Standard added to the Extract (pg,ng) =  =D  
 Amount of Internal Std. added to the sample (pg,ng) =  =E  
 Average RRF of Analyte =  =F  
 RRF of Internal Standard =  =G  
 Amount of Sample Extracted (g or L) =  =H  
 SPLIT / Dilution Factor =  =I  
 Analyte Conc. (pg/g, pg/L, Total pg) =  =A\*(C\*H\*F)\*I  
 or (ng/g, ng/L, Total ng) =  =C\*D\*100/(B\*E\*G)  
 Internal Standard Recovery (%) =  =C\*D\*100/(B\*E\*G)

Filename M2160218DS007  
 Acquired 18/02/2016 23:28

Cali File M2160218D\_209

Sample ID BRP508-01R  
 Comments  
 Instrument File Ultima 3  
 Sample Size 10.238

Dil Fac 1.00

Name	mass	RT	Area	ratio	Tot Area	ng	Code	Isomers	DL	S/N	Mod	rrf	Rec
1 PCB 1	188	NotFnd	*	*	*	-0.0007							
2 PCB 2	MoCB 190	8.98	*	no	*							1.082	
3 PCB 3	MoCB 190	10.10	*	*	*								
4 PCB 4	MoCB 190	10.19	*	no	*	-0.0007			-0.0007	*	no	1.2	
5 PCB 10	DICB 224	10.29	*	*	*								
6 PCB 9	DICB 224	10.36	*	no	*	-0.00323			-0.0007	*	no	1.079	
7 PCB 7	DICB 224	11.18	*	*	*								
8 PCB 6	DICB 224	11.26	*	no	*	-0.00293			-0.0025	*	no	0.954	
9 PCB 5	DICB 224	11.36	1429	1.3	2532	-0.00329			-0.00293	*	no	1.229	
10 PCB 8	DICB 224	11.34	1103	no	*	-0.00291			-0.00329	*	no	1.311	
11 PCB 14	DICB 224	11.49	*	no	*								
12 PCB 11	DICB 224	11.55	5659	1.45	9552	0.006848			-0.00291	*	yes	1.319	
13 PCB 13/12	DICB 224	12.26	*	yes	*				-0.0039	*	no	0.983	
14 PCB 15	DICB 224	12.66	5120	1.5	8522	0.006926			-0.00264	39	yes	1.456	
15 PCB 19	DICB 224	12.81	*	yes	*				-0.00288	7	no	1.332	
16 PCB 30/18	TriCB 258	12.95	17142	1.42	29205	0.022948			-0.00299	25	no	1.285	
17 PCB 17	TriCB 258	12.96	12063	yes	1644	0.003338			-0.00317	4	no	1.21	
18 PCB 27	TriCB 258	12.49	825	0.99	24584	0.027663			-0.00441	93	yes	0.871	
19 PCB 24	TriCB 258	12.48	12736	yes	5697	0.005203	PCB 17 NDR		-0.00243	14	yes	0.899	
20 PCB 16	TriCB 258	12.68	11848	yes	*				-0.00269	8	yes	0.813	
21 PCB 32	TriCB 258	12.69	-2133.04	1.04	9025	0.016499			-0.0032	110	no	0.683	
22 PCB 34	TriCB 258	12.78	2981	OK	7837	0.006563			-0.00218	104	xL	1.002	
23 PCB 23	TriCB 258	12.78	2716	1.1	*				-0.00256	18	no	0.855	
24 PCB 26/29	TriCB 258	12.87	*	yes	*				-0.00437	17	no	0.501	
25 PCB 25	TriCB 258	12.91	4674	1.07	26029	0.019508			-0.00111	23	no	1.093	
26 PCB 31	TriCB 258	12.90	4351	yes	11791	0.008088			-0.00218	22	no	1.235	
27 PCB 28/20	TriCB 258	13.14	3967	1.02	127435	0.087349			-0.00132	36	no	1.033	
28 PCB 21/33	TriCB 258	13.13	3870	yes	127435	0.087349			-0.00132	33	no	1.334	
29 PCB 22	TriCB 258	13.74	*	no	398139	0.306082			-0.00112	31	no	1.335	
30 PCB 36	TriCB 258	13.82	*	*	56142	0.040937			-0.00103	32	no	1.191	
31 PCB 39	TriCB 258	13.97	13067	1.01	44505	0.036144			-0.00102	311	no	1.255	
32 PCB 38	TriCB 258	13.99	12962	yes	2553	0.00177			-0.00115	925	no	1.127	
33 PCB 35	TriCB 258	14.10	6026	1.04	*				-0.00109	917	no	1.127	
34 PCB 37	TriCB 258	14.10	5764	yes	2553	0.00177			-0.00121	129	no	1.57	
35 PCB 54	TriCB 258	14.26	64501	yes	*				-0.00087	99	no	1.32	
36 PCB 53/50	TCB 292	14.26	62934	yes	59595	0.040199			-0.00104	6	no	1.438	
37 PCB 45/51	TCB 292	14.42	202698	1.04	11791	0.008088			-0.00095	7	no	1.597	
38 PCB 46	TCB 292	14.43	195440	yes	127435	0.087349			-0.00086	*	no	0.906	
39 PCB 52	TCB 292	14.53	28608	1.04	127435	0.087349			-0.00151	117	no	0.911	
40 PCB 73	TCB 292	14.55	195440	yes	56142	0.040937			-0.00156	121	no	0.654	
41 PCB 43	TCB 292	14.77	27534	yes	7125	0.011593			-0.00288	51	no	0.633	
42 PCB 69/49	TCB 292	14.76	22531	1.02	190437	0.205699			-0.00298	46	no	0.554	
	TCB 292	15.08	104980	yes	*				-0.0034	23	no	0.834	
	TCB 292	15.46	*	*	*				-0.00226	14	no	0.813	
	TCB 292	15.52	3878	no	9039	0.015767			-0.00232	13	no	0.813	
	TCB 292	15.52	5161	yes	67326	0.071258			-0.00365	343	no	0.516	
	TCB 292	15.65	30195	yes	*				-0.00221	336	no	0.851	
	TCB 292	15.64	37132	yes	*					15	no		
										15	no		
										126	no		
										121	no		





90 PCB 122	326	NotFnd	*	*	*				
91 PCB 114	PeCB 328	24.08	*	no	*				-0.0007
	326	24.27	1413	1.38	2438	0.00191			
92 PCB 105	PeCB 328	24.28	1024	yes					-0.0007
	326	24.84	22320	1.52	36983	0.028237			*
93 PCB 127	PeCB 328	24.85	14663	yes					-0.00075
	326	NotFnd	*	*	*				7
94 PCB 126	PeCB 328	26.20	*	no	*				-0.00078
	326	27.73	1871	1.41					7
95 PCB 155	PeCB 328	27.72	1325	yes	3195	0.002523			99
	360	NotFnd	*	*	*				98
96 PCB 152	HxCB 362	19.63	*	no	*				-0.00078
	360	NotFnd	*	*	*				7
97 PCB 150	HxCB 362	19.78	*	no	*				-0.00114
	360	NotFnd	*	*	*				8
98 PCB 136	HxCB 362	19.88	*	no	*				-0.0014
	360	20.17	11113	1.28					*
99 PCB 145	HxCB 362	20.17	8660	yes	19772	0.023783			*
	360	NotFnd	*	*	*				*
100 PCB 148	HxCB 362	20.41	*	no	*				-0.00172
	360	NotFnd	*	*	*				-0.00172
101 PCB 151/135	HxCB 362	21.55	*	no	*				-0.00207
	360	22.03	*	no	*				*
102 PCB 154	HxCB 362	22.04	31115	1.28	55390	0.09769			-0.00207
	360	22.22	24276	yes	*				*
103 PCB 144	HxCB 362	22.21	1610	1.22	2928	0.004338			-0.0022
	360	22.51	1318	yes	*				141
104 PCB 147/149	HxCB 362	22.51	4390	1.38	7568	0.012323			-0.00185
	360	22.79	3177	yes	*				135
105 PCB 134/143	HxCB 362	22.80	100049	1.26	179699	0.248418			-0.00203
	360	22.99	79649	yes	*				9
106 PCB 139/140	HxCB 362	23.06	3800	1.38	6557	0.010246			-0.00185
	360	23.31	2757	yes	*				8
107 PCB 131	HxCB 362	23.31	1095	1.35	1908	0.00257			-0.00209
	360	NotFnd	813	yes	*				23
108 PCB 142	HxCB 362	23.49	*	*	*				482
	360	NotFnd	*	no	*				469
109 PCB 132	HxCB 362	23.64	*	*	*				19
	360	23.88	12095	1.26	21710	0.035472			15
110 PCB 133	HxCB 362	23.88	9616	yes	3802	0.0053			5
	360	24.29	2192	1.36	*				4
111 PCB 165	HxCB 362	24.31	1609	yes	*				*
	360	NotFnd	*	*	*				no
112 PCB 146	HxCB 362	24.66	*	no	*				-0.00218
	360	24.88	25236	1.32	44426	0.057722			51
113 PCB 161	HxCB 362	24.86	19191	yes	*				51
	360	NotFnd	*	*	*				9
114 PCB 153/168	HxCB 362	25.01	*	no	*				-0.00187
	360	25.43	211700	1.3	374176	0.402117			8
115 PCB 141	HxCB 362	25.45	162476	yes	6395	0.008596			-0.0016
	360	25.61	3442	1.17	8133	0.012072			108
116 PCB 130	HxCB 362	25.60	2953	yes	1911	0.002881			-0.00174
	360	25.98	4575	1.29	6994	0.007016			101
117 PCB 137	HxCB 362	25.98	3558	yes	*				-0.00126
	360	26.21	1103	1.37	374176	0.402117			*
118 PCB 164	HxCB 362	26.19	808	yes	6395	0.008596			-0.00144
	360	26.30	3967	1.31	8133	0.012072			902
119 PCB 138/163/129	HxCB 362	26.28	3028	yes	1911	0.002881			868
	360	26.60	155430	1.32	6994	0.007016			15
120 PCB 160	HxCB 362	26.60	118182	yes	273612	0.35564			14
	360	NotFnd	*	*	*				19
121 PCB 158	HxCB 362	26.78	*	no	*				-0.00199
	360	26.96	14765	1.31	26059	0.02376			18
122 PCB 128/166	HxCB 362	26.96	11294	yes	26059	0.02376			-0.00202
	360	27.80	14285	1.25	25675	0.030384			6
123 PCB 159	HxCB 362	27.78	11390	yes	273612	0.35564			-0.00134
	360	NotFnd	*	*	*				17
124 PCB 162	HxCB 362	28.76	*	no	*				-0.00174
	360	NotFnd	*	*	*				15
125 PCB 167	HxCB 362	29.05	*	no	*				-0.00149
	360	29.53	7168	1.2	26059	0.02376			619
126 PCB 156/157	HxCB 362	29.52	5971	yes	25675	0.030384			598
	360	30.68	15621	1.26	*				*
127 PCB 169	HxCB 362	30.71	12417	yes	25675	0.030384			-0.00122
	360	NotFnd	*	*	*				57
128 PCB 188	HxCB 362	34.11	*	no	*				-0.00158
	394	NotFnd	*	*	*				55
129 PCB 179	HpCB 396	24.22	*	no	*				-0.00074
	394	24.52	7168	1.2	13139	0.009641			47
130 PCB 184	HpCB 396	24.51	13377	yes	26059	0.02376			-0.00074
	394	NotFnd	*	*	*				49
131 PCB 176	HpCB 396	25.00	*	no	*				-0.00074
	394	25.32	4260	1.07	26059	0.02376			*
132 PCB 186	HpCB 396	25.31	3996	yes	25675	0.030384			-0.00079
	394	NotFnd	*	*	*				35
133 PCB 178	HpCB 396	25.75	*	no	*				-0.00092
	394	27.01	5932	1.04	28037	0.020523			36
134 PCB 175	HpCB 396	27.01	5688	yes	28037	0.020523			-0.00086
	394	27.60	1133	1.09	*				67
135 PCB 187	HpCB 396	27.61	1036	yes	28037	0.020523			-0.00091
	394	27.87	41196	1.08	*				66
136 PCB 182	HpCB 396	27.88	38190	yes	27268	0.029133			-0.00104
	394	NotFnd	*	*	*				*
	396	28.10	*	no	*				-0.00104
				*	*				*

137 PCB 183	394	28.47																		
138 PCB 185	394	28.50	28034	1.08	53937	0.051962														
139 PCB 174	394	28.56	25903	yes	*						-0.00198	77	yes	1.162						
140 PCB 177	394	28.72	*	no	*						-0.0027	75	no	0.851						
141 PCB 181	394	29.15	19079	1.05	37319	0.044286					-0.00237	*	no	0.97						
142 PCB 171/173	394	29.14	18240	yes	*						-0.00244	51	no	0.943						
143 PCB 172	394	29.78	10198	1.13	19195	0.022651					-0.00258	51	no	0.892						
144 PCB 192	394	29.78	8997	yes	*						-0.00243	29	no	0.948						
145 PCB 193/180	394	31.42	*	no	*						-0.00242	26	no	0.95						
146 PCB 191	394	31.74	*	no	*						-0.00212	*	no	1.085						
147 PCB 170	394	32.13	60614	1.09	116112	0.113585					-0.00166	*	no	1.383						
148 PCB 190	394	32.06	55499	yes	2254	0.001865					-0.0017	154	no	1.352						
149 PCB 189	394	32.47	1219	1.18	18005	0.021838					-0.00181	151	no	1.271						
150 PCB 202	394	32.47	1035	yes	13781	0.011468					-0.00171	3	no	1.345						
151 PCB 201	394	33.45	9294	1.07	7386	0.00536					-0.00181	3	no	0.944						
152 PCB 204	394	33.45	8710	yes	6672	0.010084					-0.00171	25	no	0.988						
153 PCB 197	394	34.00	7082	1.06	4073	0.004828					-0.00121	24	no	0.997						
154 PCB 200	394	34.01	6699	yes	1345	0.001813					-0.0012	17	no	0.962						
155 PCB 198/199	428	36.86	3674	0.99	59	-0.00119					-0.00136	15	yes	0.876						
156 PCB 196	428	36.85	3712	0.88	*	-0.00183					-0.00119	15	no	1.006						
157 PCB 203	428	29.26	3124	0.88	4930	0.008842					-0.00119	21	no	0.654						
158 PCB 195	428	29.27	3548	yes	7163	0.007757					-0.00119	22	no	0.674						
159 PCB 194	428	30.19	1950	0.92	*	-0.00166					-0.0012	13	no	0.659						
160 PCB 205	428	30.18	2123	yes	184416	0.113879					-0.0012	13	no	1.005						
161 PCB 208	428	30.88	*	no	*	-0.00153					-0.00119	13	no	1.091						
162 PCB 207	428	31.12	662	0.97	4930	0.008842					-0.00119	13	no	1.023						
163 PCB 206	428	31.12	683	yes	1345	0.001813					-0.00119	13	no	1.027						
164 PCB 209	428	31.19	22	0.58	59	-0.00119					-0.00119	13	no	1.04						
165 PCB 1L	428	31.23	38	no	*	-0.00183					-0.00119	4	yes	0.876						
166 PCB 3L	428	34.19	*	no	*	-0.00177					-0.00119	4	yes	1.006						
167 PCB 4L	428	34.90	*	no	*	-0.00177					-0.00119	4	yes	1.006						
168 PCB 15L	200	8.98	148908	3.48	191653	0.122453					-0.00119	4	yes	1.006						
169 PCB 19L	200	8.97	42745	yes	184416	0.113879					-0.00119	4	yes	1.006						
170 PCB 37L	200	10.17	142414	3.39	88603	0.085944					-0.00119	4	yes	1.006						
171 PCB 54L	200	10.16	42002	yes	285597	0.139921					-0.00119	4	yes	1.006						
172 PCB 81L	200	10.28	54732	1.62	107041	0.097435					-0.00119	4	yes	1.006						
173 PCB 77L	234	12.93	33871	yes	319833	0.188179					-0.00119	4	yes	1.006						
174 PCB 104L	234	12.93	178731	1.67	111074	0.100073					-0.00119	4	yes	1.006						
175 PCB 123L	236	10.28	106866	yes	276085	0.185683					-0.00119	4	yes	1.006						
176 PCB 118L	236	10.28	55534	1.08	263321	0.183521					-0.00119	4	yes	1.006						
177 PCB 114L	268	11.68	51507	yes	119577	0.137007					-0.00119	4	yes	1.006						
178 PCB 105L	270	11.65	164179	1.05	275078	0.188152					-0.00119	4	yes	1.006						
179 PCB 126L	270	16.68	155655	yes	264382	0.183688					-0.00119	4	yes	1.006						
180 PCB 155L	302	13.06	49660	0.81	246851	0.184371					-0.00119	4	yes	1.006						
181 PCB 167L	304	13.07	61414	yes	262013	0.190373					-0.00119	4	yes	1.006						
182 PCB 156L/157L	302	21.40	121287	0.78	253348	0.193296					-0.00119	4	yes	1.006						
183 PCB 169L	304	21.42	154798	yes	131130	0.122409					-0.00119	4	yes	1.006						
	304	21.85	115457	0.78	281484	0.174797					-0.00119	4	yes	1.006						
	304	21.84	147864	yes	524802	0.357948					-0.00119	4	yes	1.006						
	338	15.92	74150	yes	178228	0.123796					-0.00119	4	yes	1.006						
	340	15.93	45427	1.63							-0.00119	4	yes	1.006						
	338	23.49	170586	1.63							-0.00119	4	yes	1.006						
	340	23.50	104492	yes							-0.00119	4	yes	1.006						
	338	23.77	163580	1.62							-0.00119	4	yes	1.006						
	340	23.76	100802	yes							-0.00119	4	yes	1.006						
	338	24.25	154556	1.67							-0.00119	4	yes	1.006						
	340	24.25	92295	yes							-0.00119	4	yes	1.006						
	338	24.82	160836	1.59							-0.00119	4	yes	1.006						
	340	24.81	101177	yes							-0.00119	4	yes	1.006						
	338	27.69	156301	1.61							-0.00119	4	yes	1.006						
	340	27.67	97047	yes							-0.00119	4	yes	1.006						
	372	19.60	74694	1.32							-0.00119	4	yes	1.006						
	374	19.61	56436	yes							-0.00119	4	yes	1.006						
	372	29.49	157093	1.26							-0.00119	4	yes	1.006						
	374	29.49	124391	yes							-0.00119	4	yes	1.006						
	372	30.68	295176	1.28							-0.00119	4	yes	1.006						
	374	30.69	229626	yes							-0.00119	4	yes	1.006						
	372	34.08	100627	1.3							-0.00119	4	yes	1.006						
	374	34.06	77601	yes							-0.00119	4	yes	1.006						

184 PCB 188L	406	24.20	73952	1.09	141850	0.139801						
	408	24.20	67899	yes			0	4028	no	1.329	72	
185 PCB 180L	406	32.09	75940	1.11	144444	0.137623		3310				
	408	32.09	68504	yes			0	2702	no	1.349	70	
186 PCB 170L	406	33.41	66378	1.1	126724	0.137972		1867				
	408	33.42	60346	yes			0	2297	no	1.18	71	
187 PCB 189L	406	36.82	147395	1.07	285257	0.169899		1615				
	408	36.83	137862	yes			0	2569	no	2.157	87	
188 PCB 202L	440	29.24	62503	0.91	130879	0.118471		2464				
	442	29.27	68376	yes			0	1779	no	1.419	61	
189 PCB 205L	440	39.71	95439	0.91	199835	0.167676		4110				
	442	39.73	104396	yes			0	1626	no	1.531	86	
190 PCB 208L	474	36.27	52233	0.75	121729	0.137268		2350				
	476	36.28	69495	yes			0	1922	no	1.139	70	
191 PCB 206L	474	41.70	41958	0.79	94879	0.160501		2771				
	476	41.73	52921	yes			0	1445	no	0.76	82	
192 PCB 209L	510	43.53	47942	1.23	86780	0.15394		1987				
	512	43.53	38838	yes			0	2002	no	0.724	79	
193 PCB 28L	268	14.40	214944	1.04	420991	0.24129		2958				
PCB Cleanup Standard	270	14.43	206046	yes			0.001	943	no	2.039	111	
194 PCB 111L	338	21.83	142688	1.68	227566	0.224359		966				
PCB Cleanup Standard	340	21.84	84878	yes			0	2254	no	1.343	103	
195 PCB 178L	406	26.98	60856	1.05	118727	0.212238		2906				
PCB Cleanup Standard	408	26.97	57871	yes			0	3167	no	0.733	98	
196 PCB 31L	268	NotFnd	*	*	*		0	2674	no			
PCB Audit Standard	270	14.26	*	*	*		0.001		no	1.934		
197 PCB 95L	338	NotFnd	*	*	*		0		no	0.946		
PCB Audit Standard	340	17.73	*	*	*		0		no			
198 PCB 153L	372	25.39	2282	1.18	4215	0.004508						
PCB Audit Standard	374	25.40	1933	yes			0	104	no	1.225	2	
199 PCB 9L	234	11.17	1269500	1.6	2061757	10.33684		38				
PCB Recovery Standard	236	11.19	792257	yes			-	12132	no	-	-	
200 PCB 52L	302	15.36	413715	0.8	928457	7.194672		10395				
PCB Recovery Standard	304	15.36	514741	yes			-	3548	no	-	-	
201 PCB 101L	338	19.76	507249	1.62	819568	7.298622		10622				
PCB Recovery Standard	340	19.76	312318	yes			-	8463	no	-	-	
202 PCB 138L	372	26.57	470833	1.32	828282	7.525591		11491				
PCB Recovery Standard	374	26.56	357449	yes			-	20414	no	-	-	
203 PCB 194L	440	39.18	406263	0.93	844594	7.64115		6809				
PCB Recovery Standard	442	39.17	438331	yes			-	6877	no	-	-	
Chlorobiphenyls								9903				
Dichlorobiphenyls					-0.0007		0					
Trichlorobiphenyls					0.036722		3	-0.00441				
Tetrachlorobiphenyls					0.599343		13	-0.00437				
Pentachlorobiphenyls					1.01275		22	-0.00365				
Hexachlorobiphenyls					0.626266		19	-0.00178				
Heptachlorobiphenyls					1.370492		20	-0.00228				
Octachlorobiphenyls					0.455186		13	-0.0027				
Nonachlorobiphenyls					0.033324		5	-0.00183				
Decachlorobiphenyl					-0.00125		0	-0.00125				
PCB (total)					-0.00136		0	-0.00136				
					4.134083							

Quantify Sample Report

MassLynx 4.0 SP1

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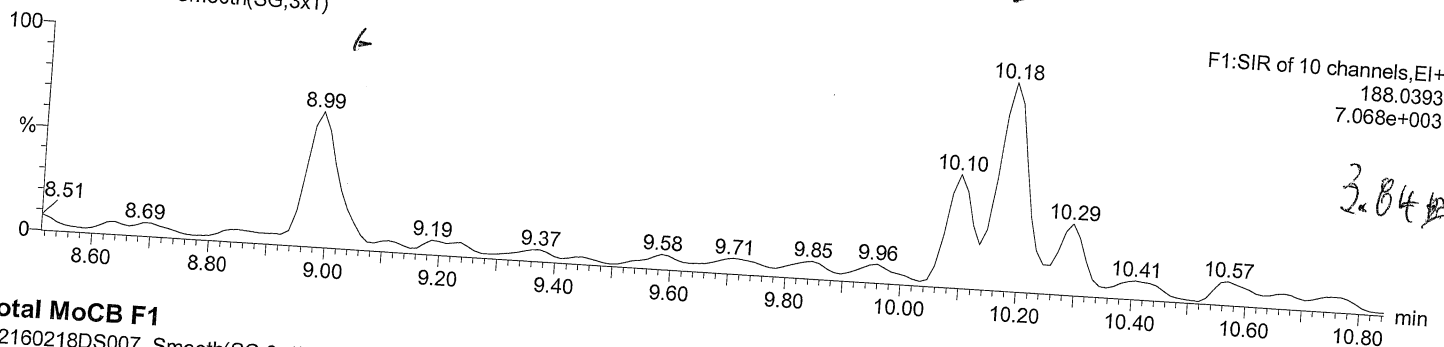
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ID: Anchor QEA, PG-SMA2-2-MUS-COC-16010, Ti  
Description: BRP508-01R  
Vial: 7  
Date: 18-FEB-2016  
Time: 23:28:36

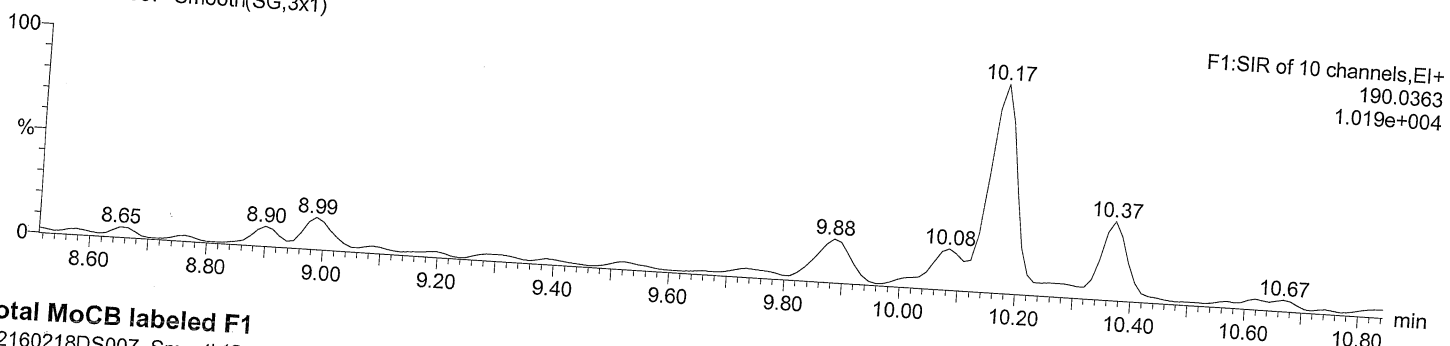
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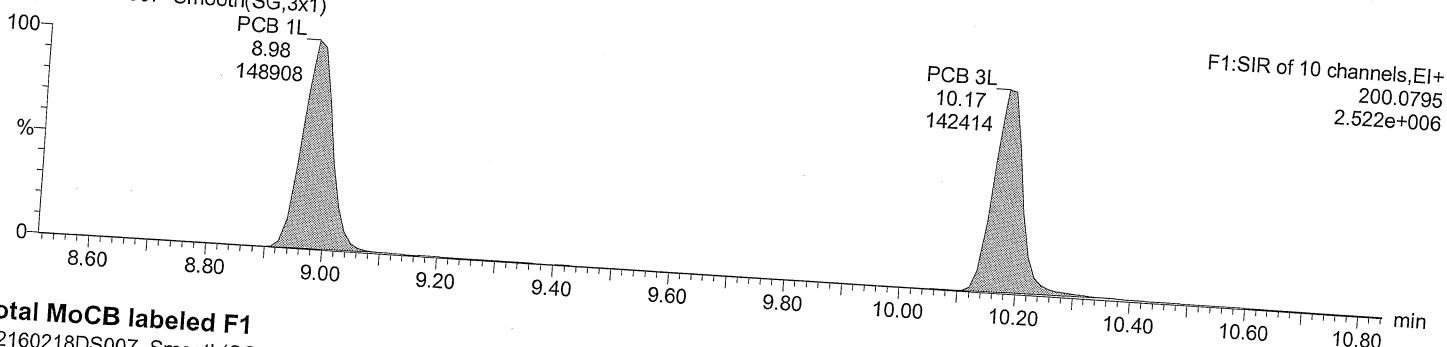
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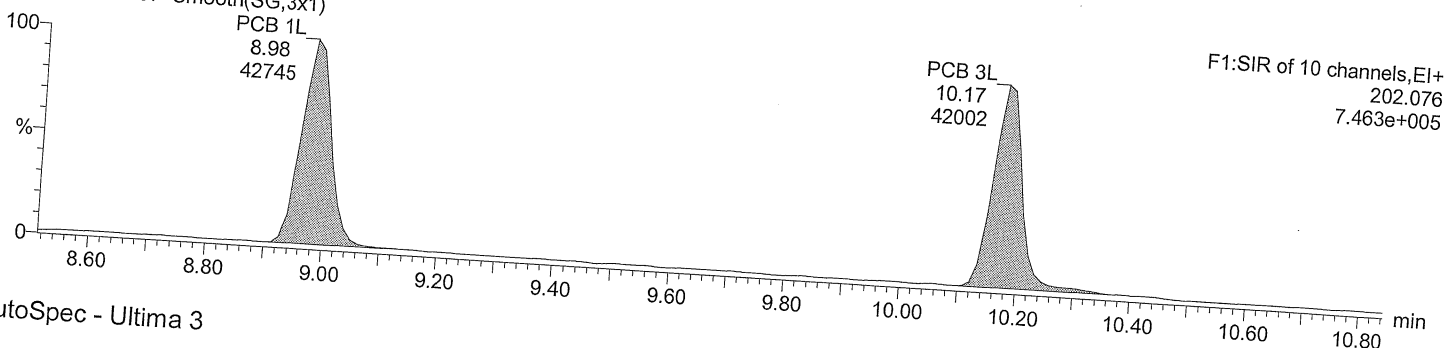
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Total MoCB labeled F1

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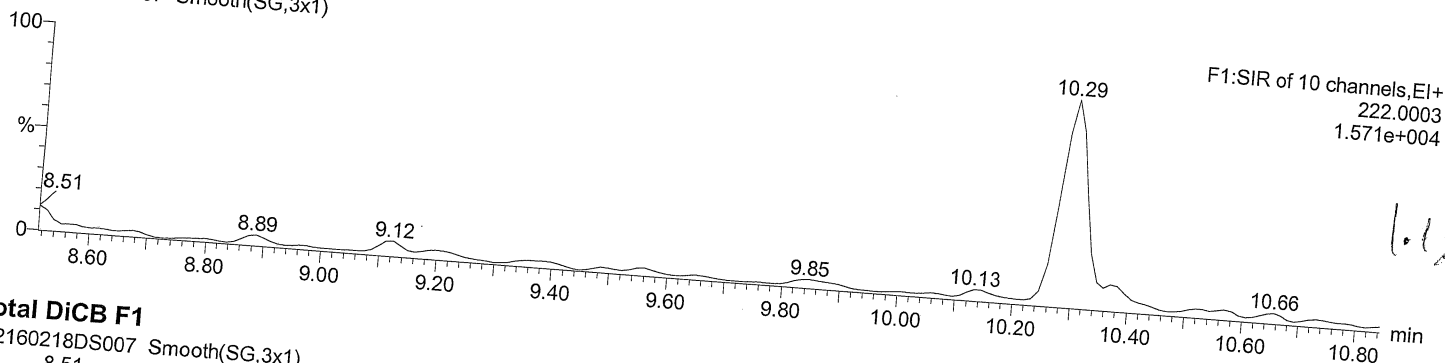


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Description: BRP508-01R  
Vial: 7  
Date: 18-FEB-2016  
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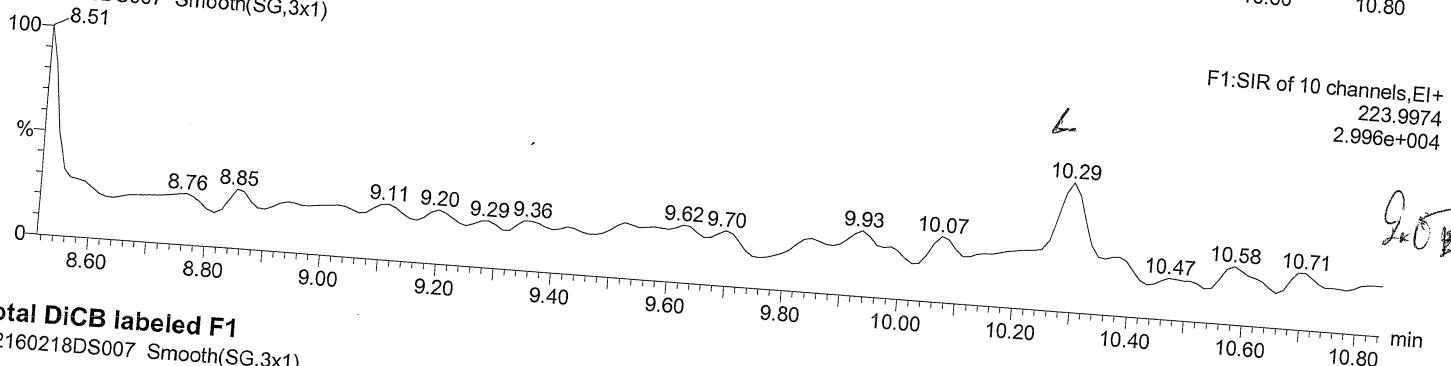
Total DiCB F1

M2160218DS007 Smooth(SG,3x1)



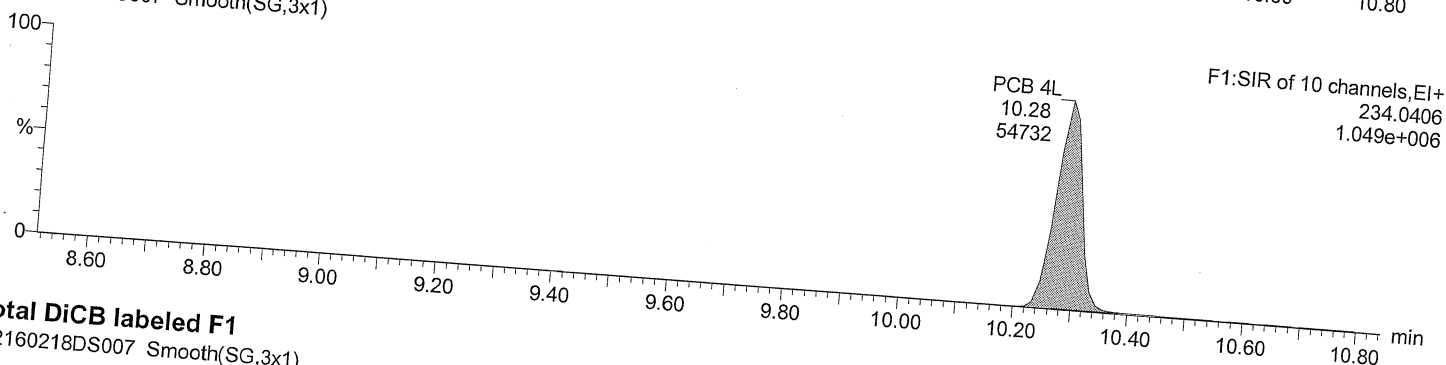
Total DiCB F1

M2160218DS007 Smooth(SG,3x1)



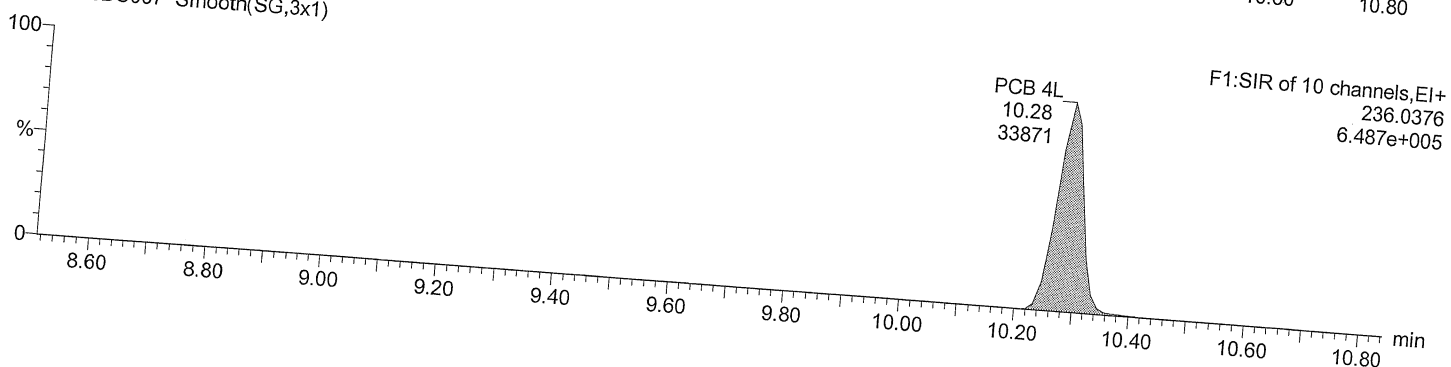
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M2160218DS007 Smooth(SG,3x1)



Total DiCB labeled F1

M2160218DS007 Smooth(SG,3x1)

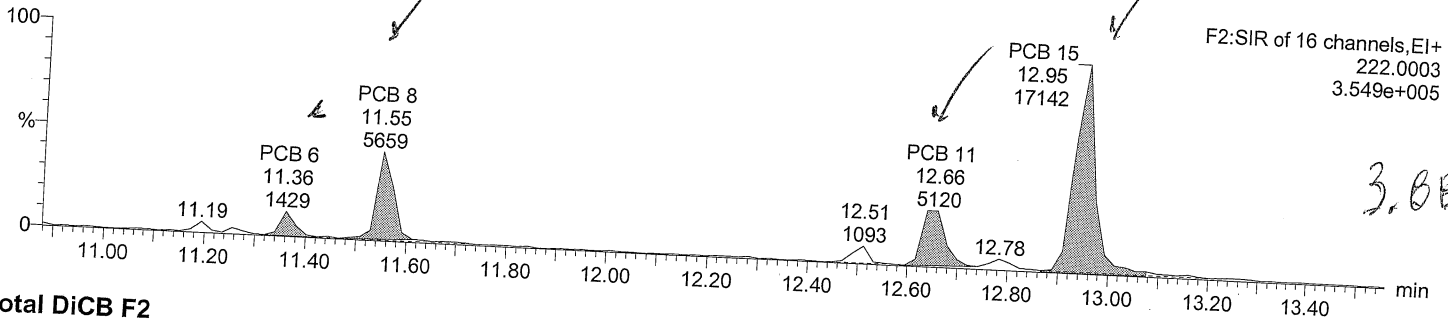


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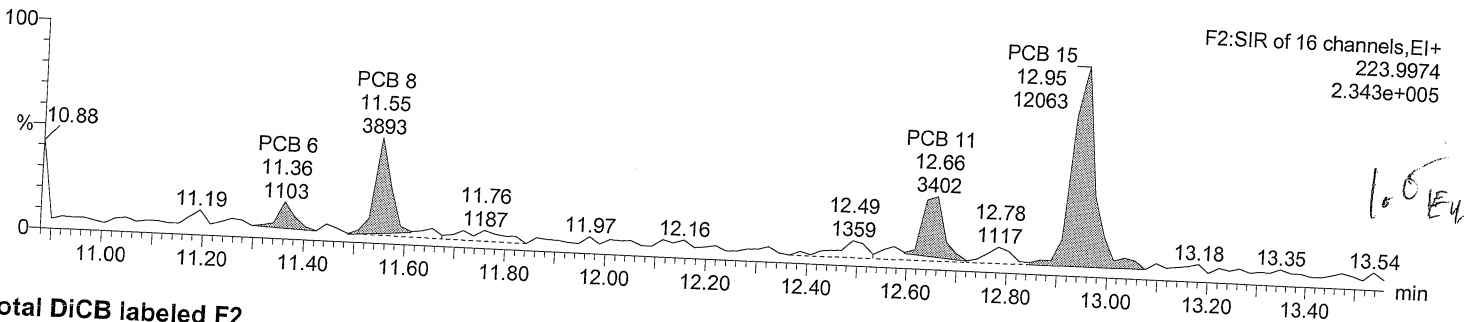
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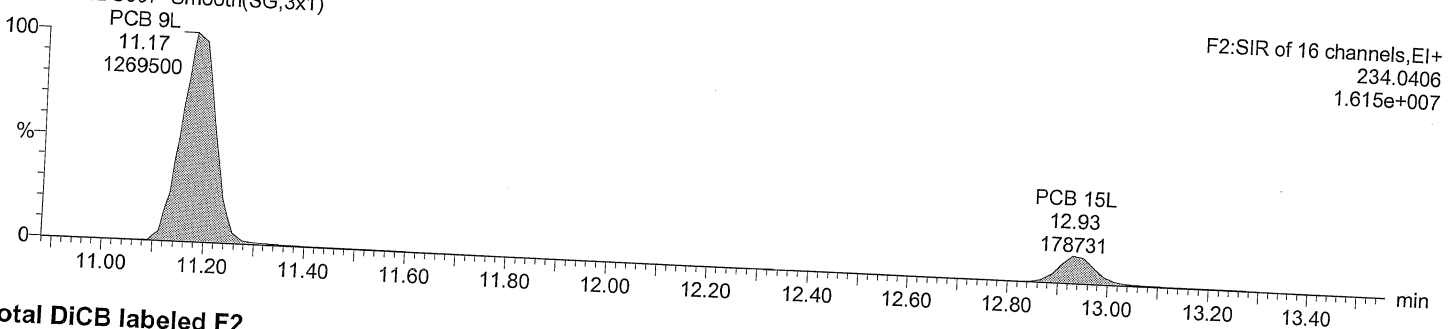
**Total DiCB F2**  
M2160218DS007



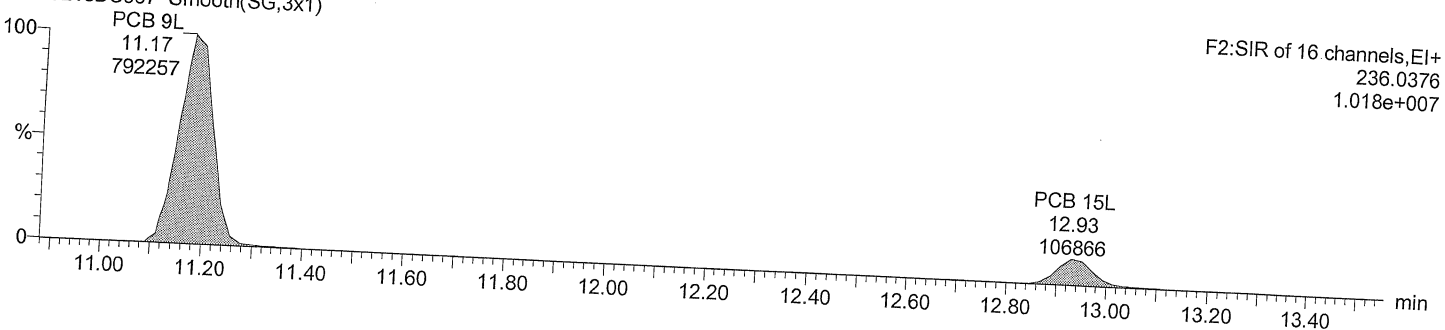
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**Total DiCB labeled F2**  
M2160218DS007 Smooth(SG,3x1)



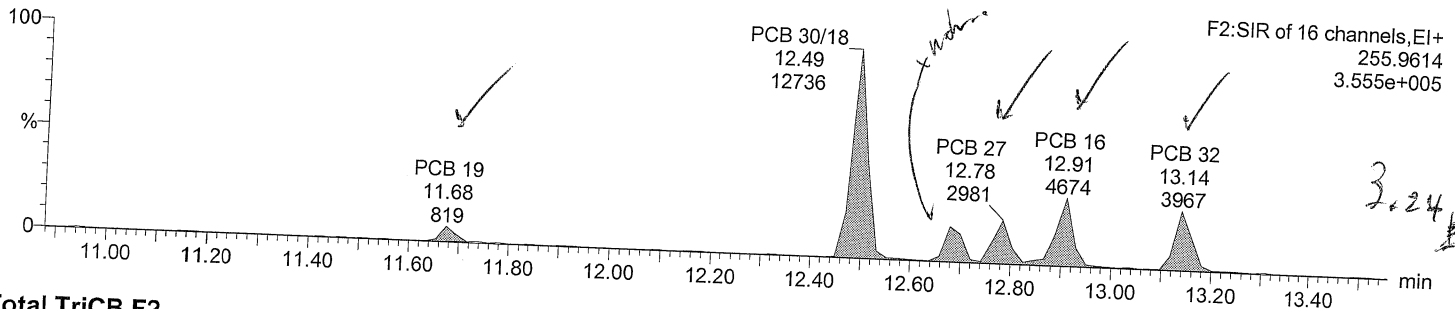
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M2160218DS007 Smooth(SG,3x1)



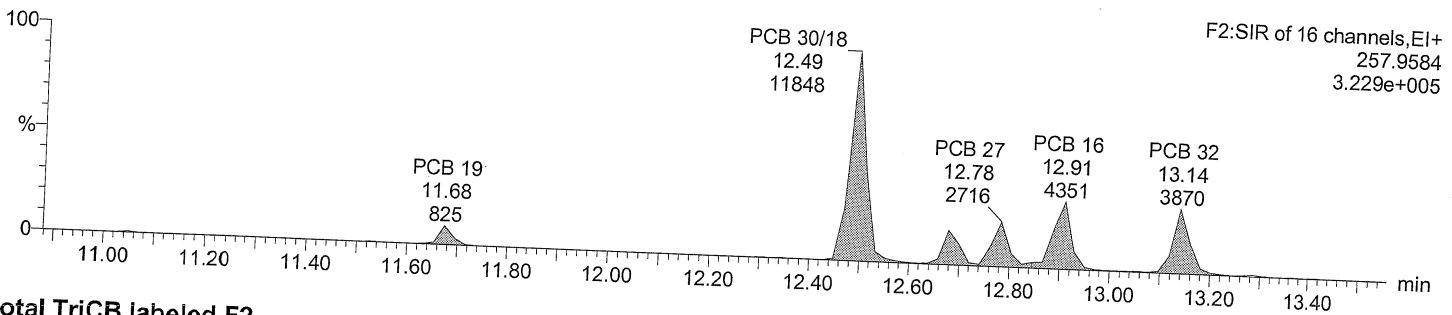
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Vial: 7  
Date: 18-FEB-2016  
Time: 23:28:36

**Total TriCB F2**  
M2160218DS007

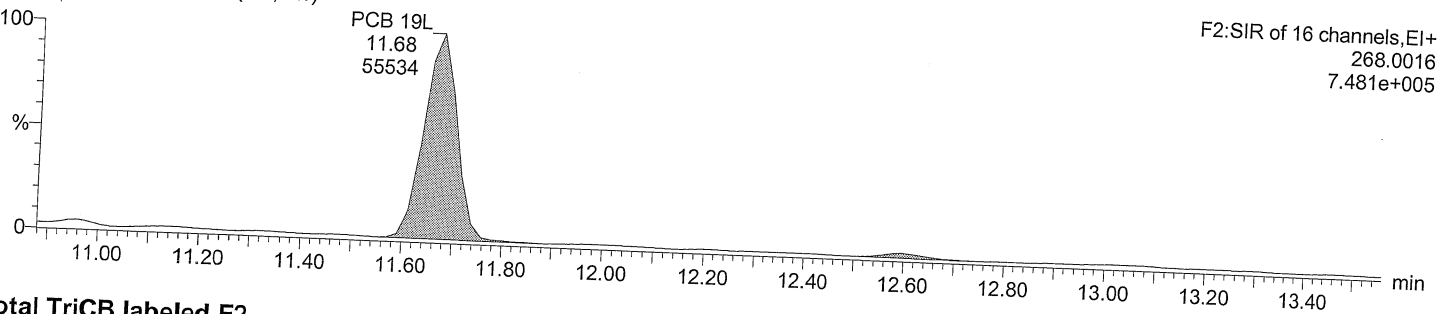


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M2160218DS007



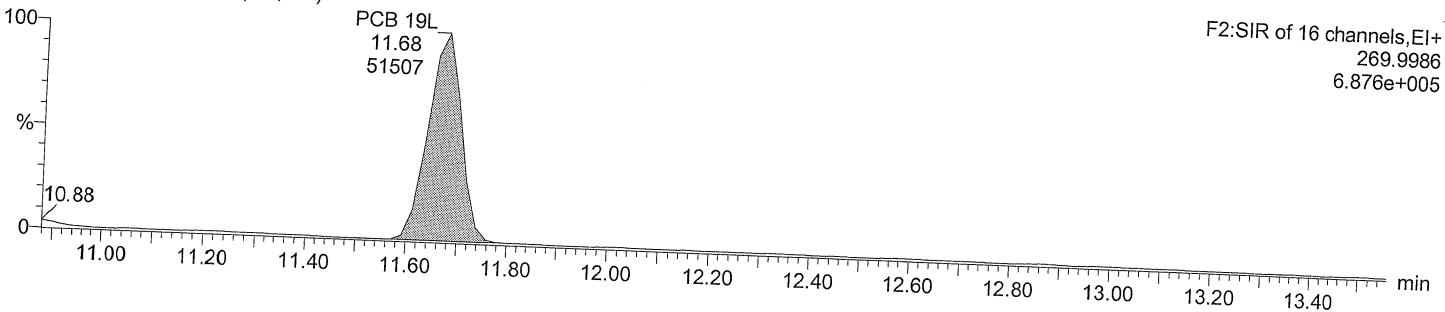
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M2160218DS007 Smooth(SG,3x1)



**Total TriCB labeled F2**

M2160218DS007 Smooth(SG,3x1)

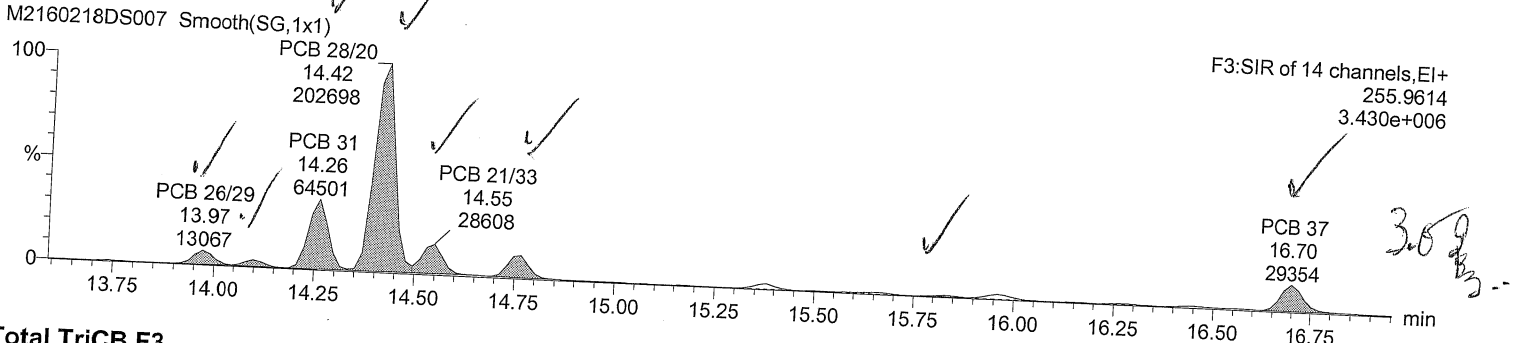




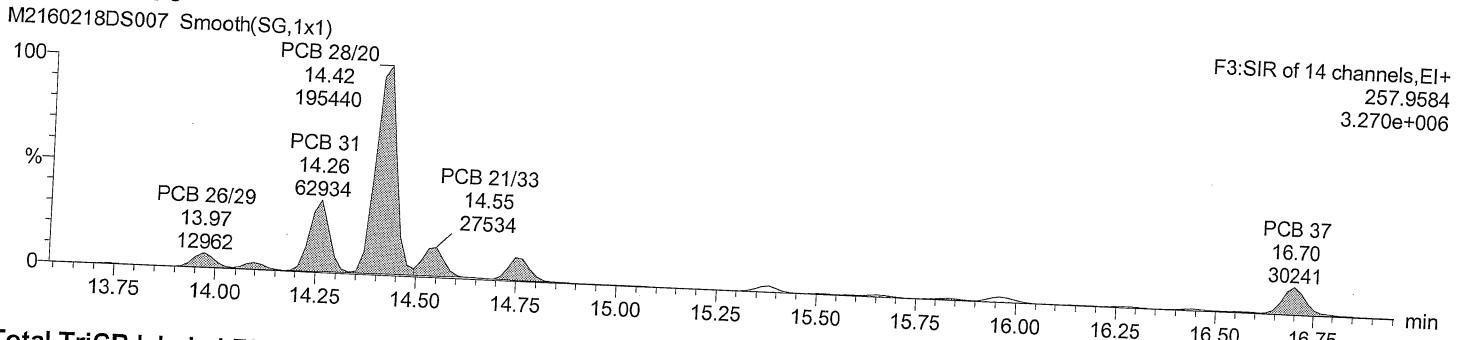
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Vial: 7  
Date: 18-FEB-2016  
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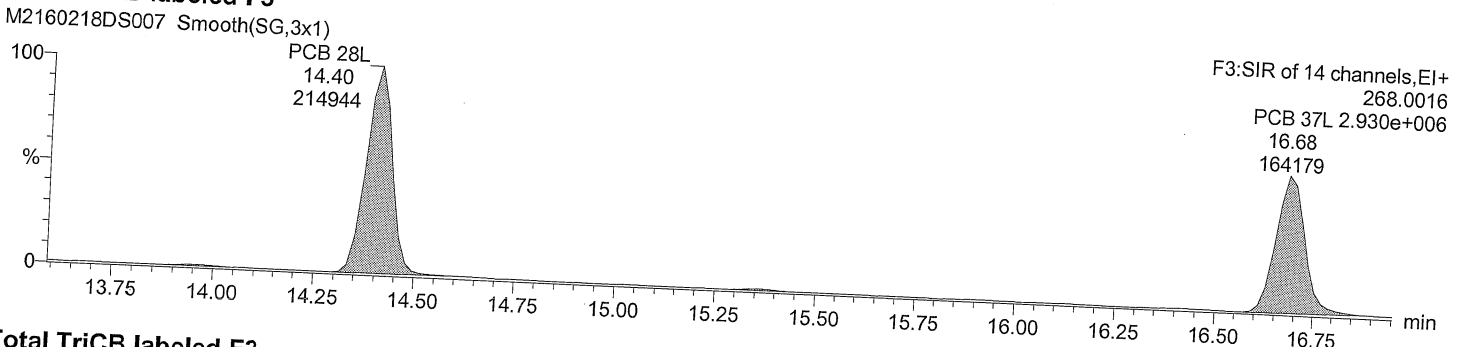
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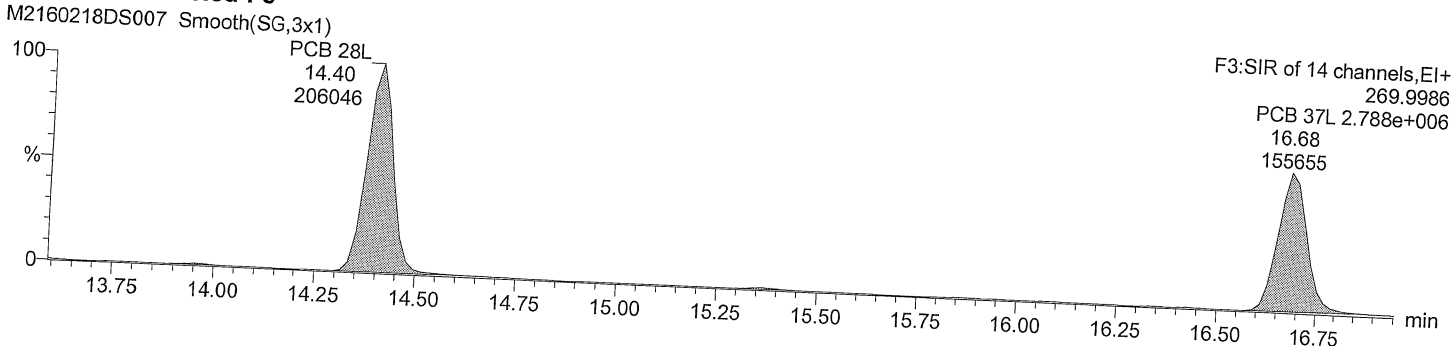
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**Total TriCB labeled F3**



**Total TriCB labeled F3**

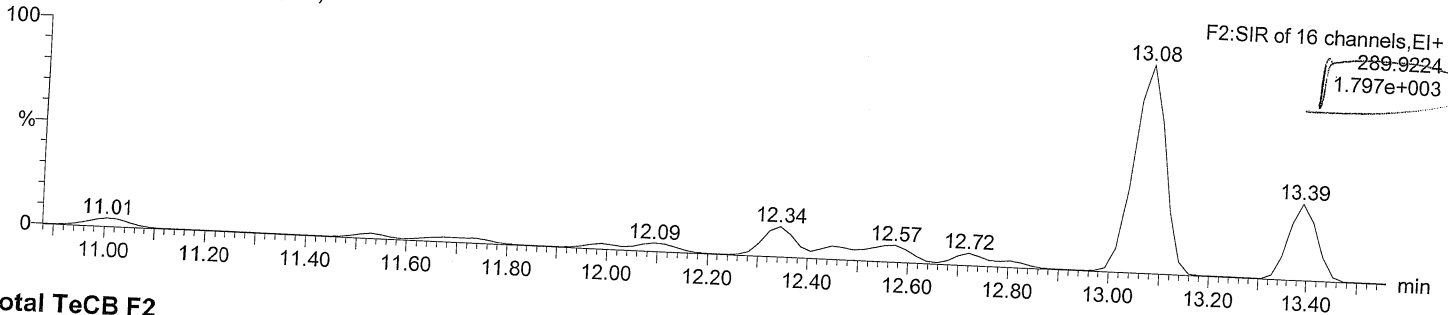


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Vial: 7  
Date: 18-FEB-2016  
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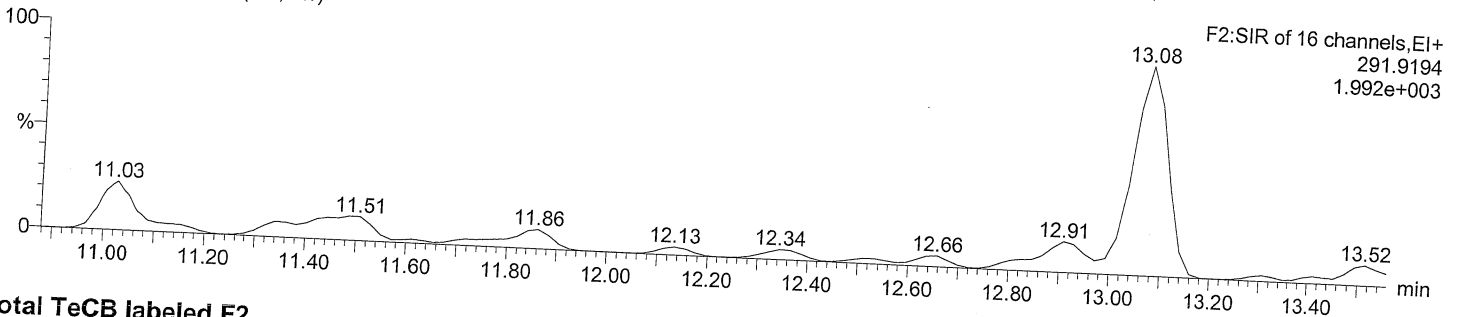
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M2160218DS007 Smooth(SG,3x1)



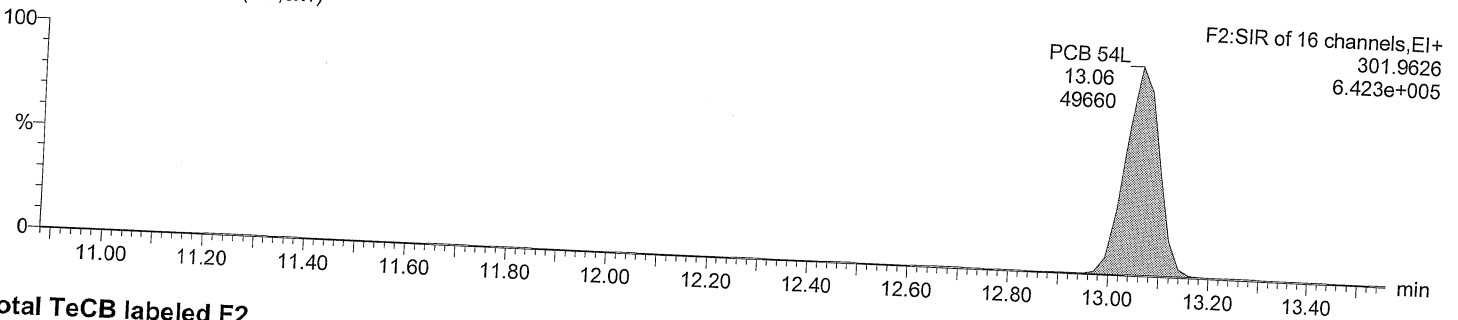
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M2160218DS007 Smooth(SG,3x1)



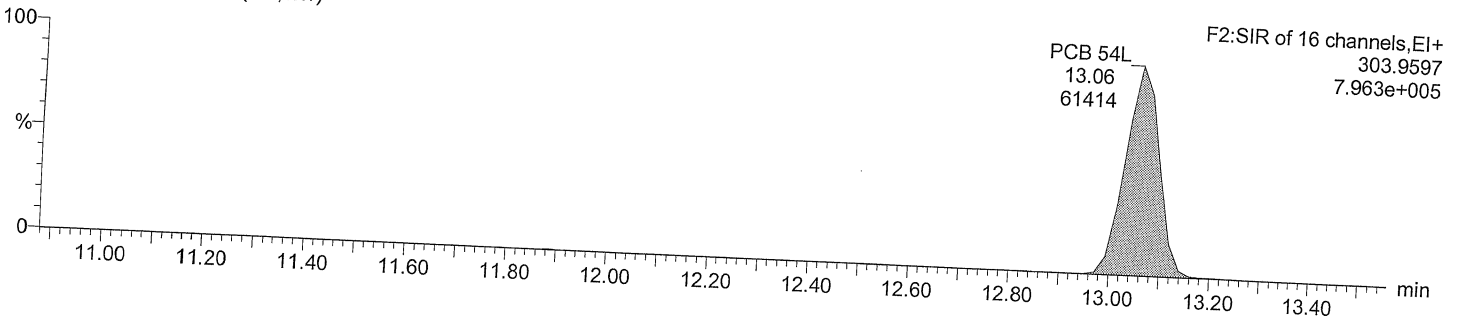
**Total TeCB labeled F2**

M2160218DS007 Smooth(SG,3x1)



**Total TeCB labeled F2**

M2160218DS007 Smooth(SG,3x1)



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Description: BRP508-01R

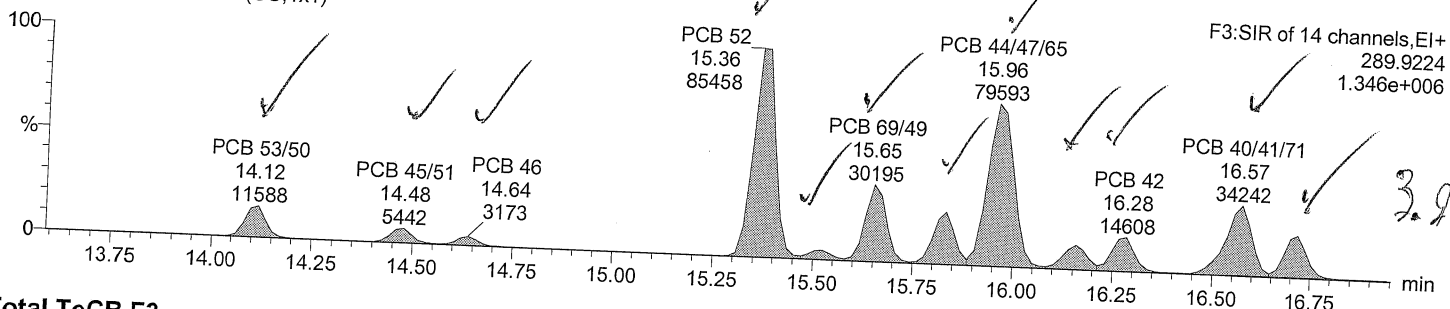
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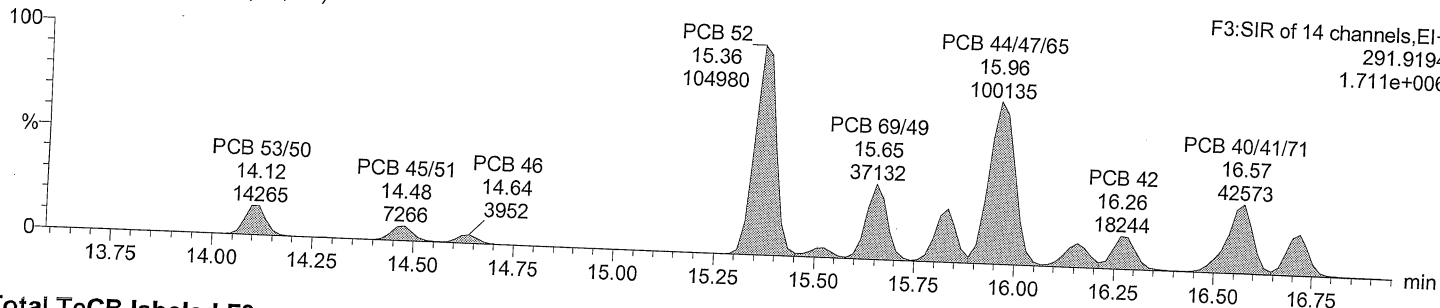
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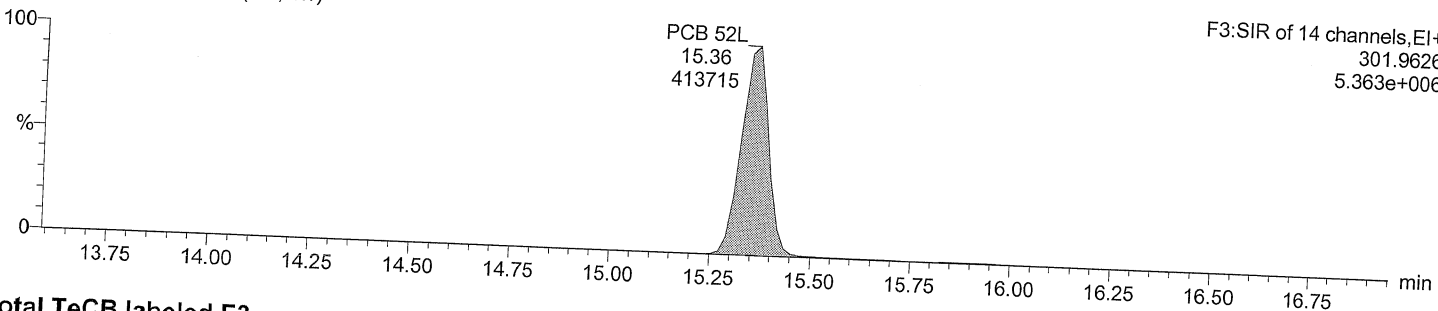
Total TeCB F3

M2160218DS007 Smooth(SG,1x1)



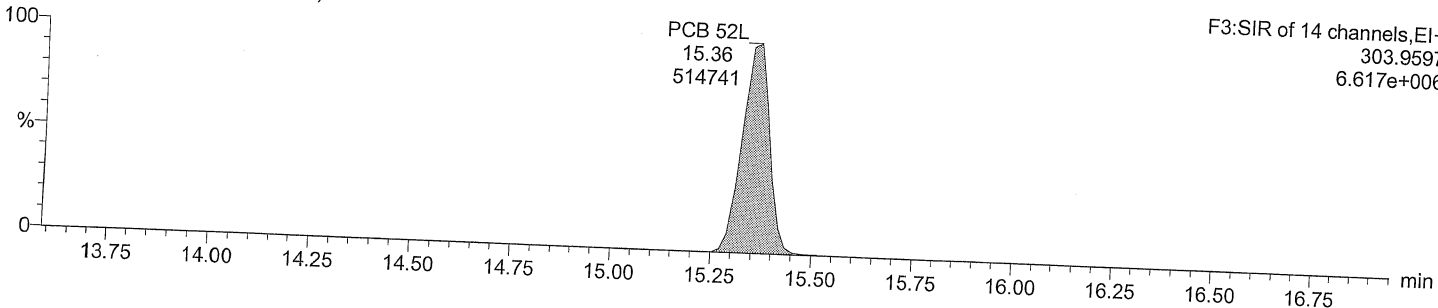
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M2160218DS007 Smooth(SG,3x1)



Total TeCB labeled F3

M2160218DS007 Smooth(SG,3x1)

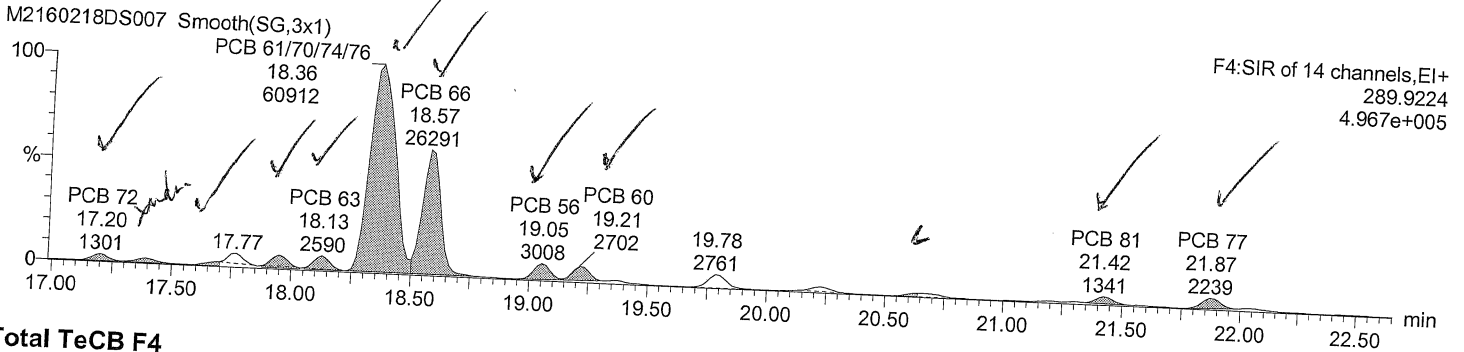


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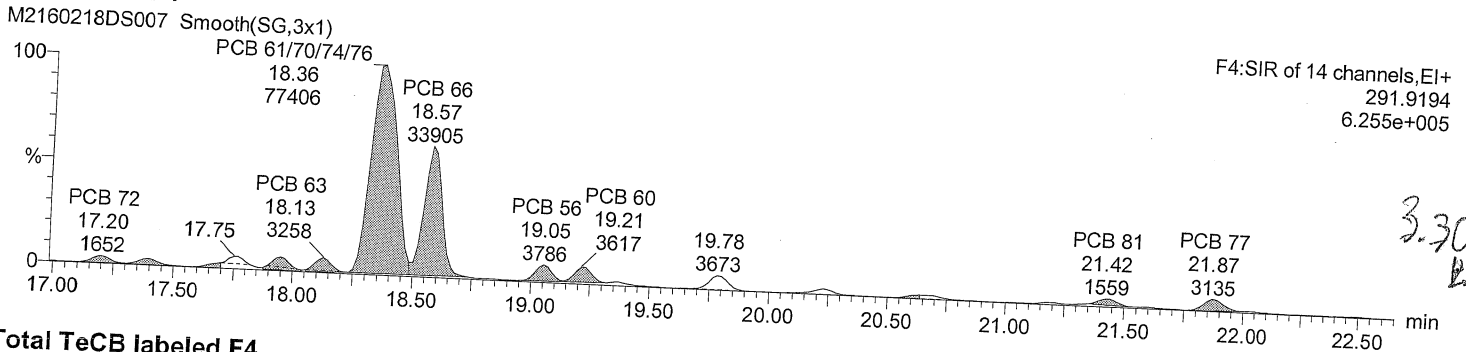
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Vial: 7  
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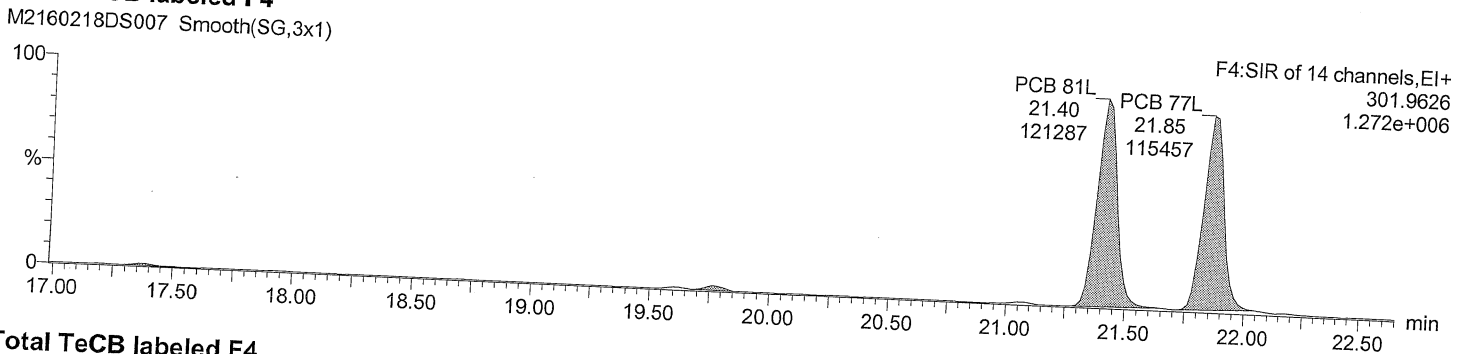
Total TeCB F4



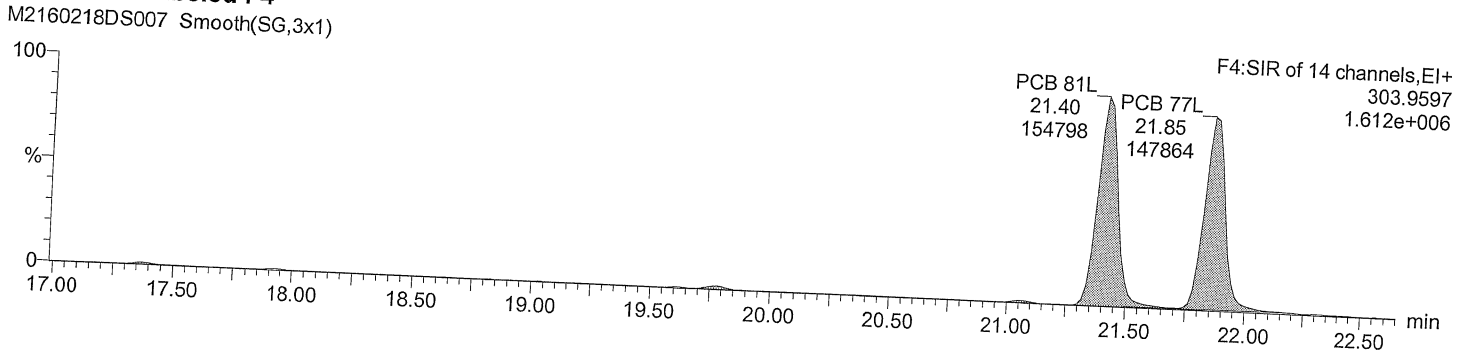
Total TeCB F4



Total TeCB labeled F4



Total TeCB labeled F4



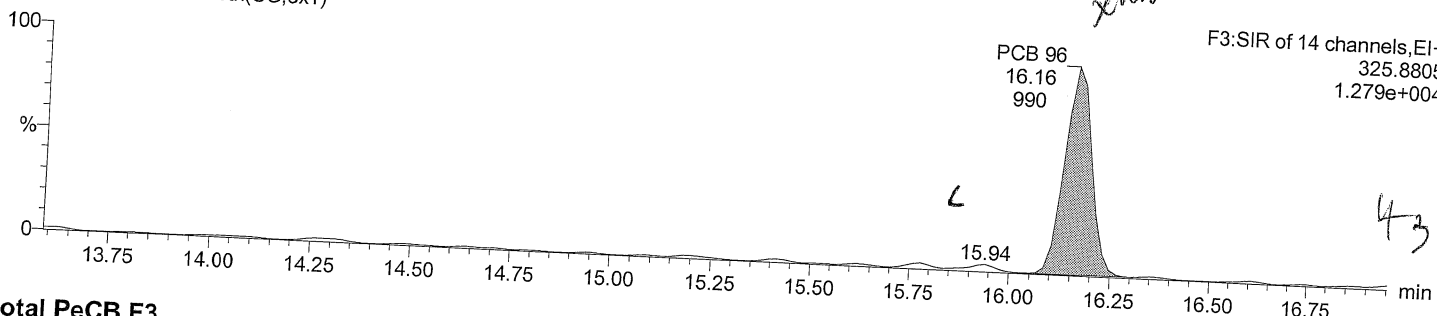
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Last Altered: February 20, 2016 10:27:04 AM Eastern Standard Time  
Printed: February 20, 2016 10:30:25 AM Eastern Standard Time

ID: Anchor QEA, PG-SMA2-2-MUS-COC-16010, Ti  
Description: BRP508-01R  
Vial: 7  
Date: 18-FEB-2016  
Time: 23:28:36

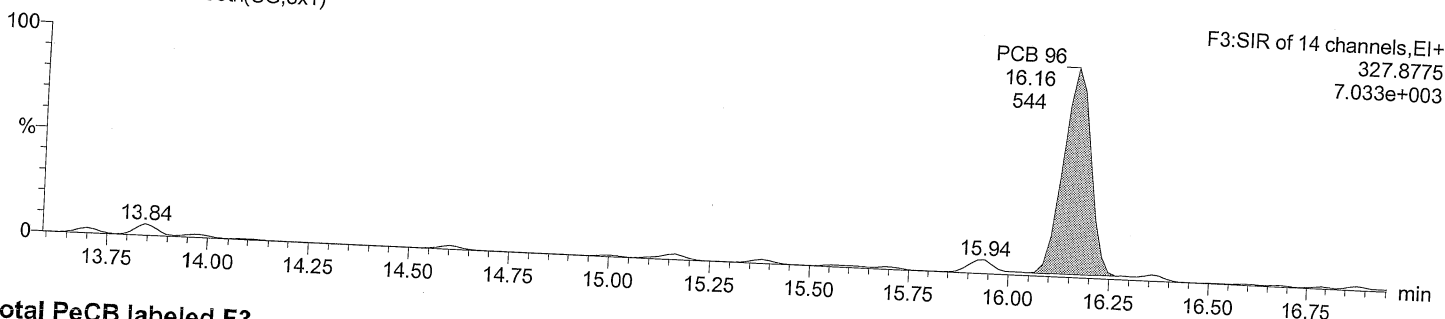
**Total PeCB F3**

M2160218DS007 Smooth(SG,3x1)



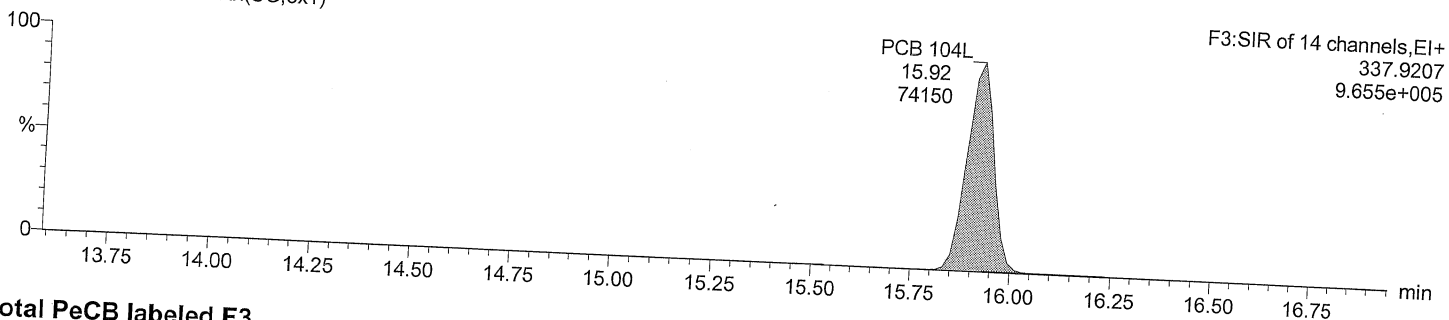
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M2160218DS007 Smooth(SG,3x1)



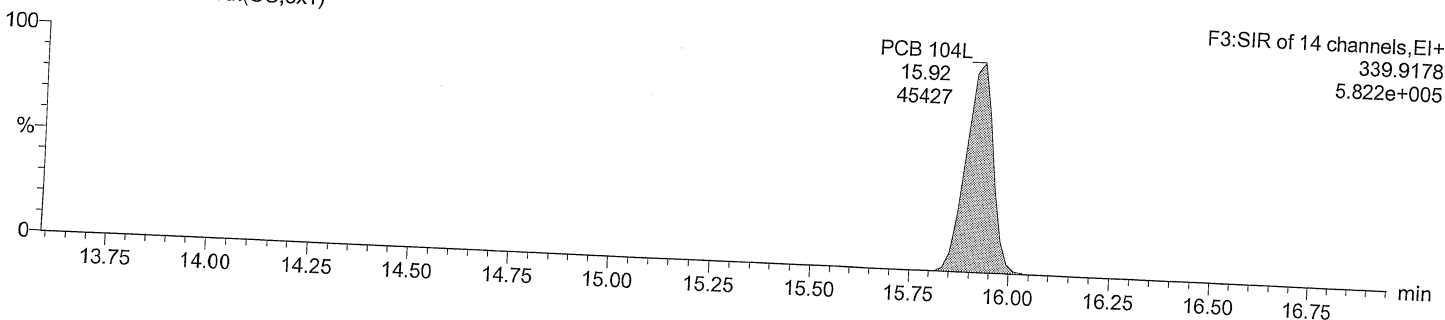
**Total PeCB labeled F3**

M2160218DS007 Smooth(SG,3x1)



**Total PeCB labeled F3**

M2160218DS007 Smooth(SG,3x1)



Dataset: C:\MassLynx\Default.pro\M2160218D\_M2160218D\_samples\_1668A.qld

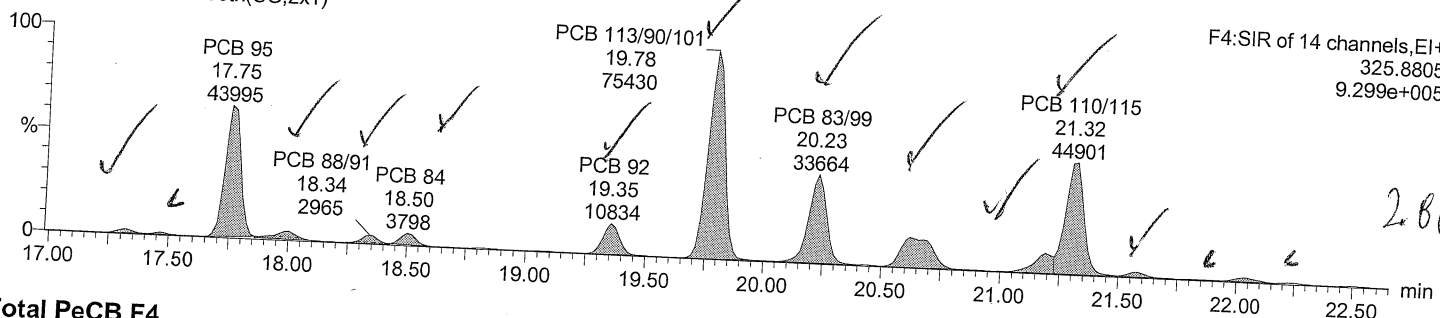
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Vial: 7  
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Time: 23:28:36

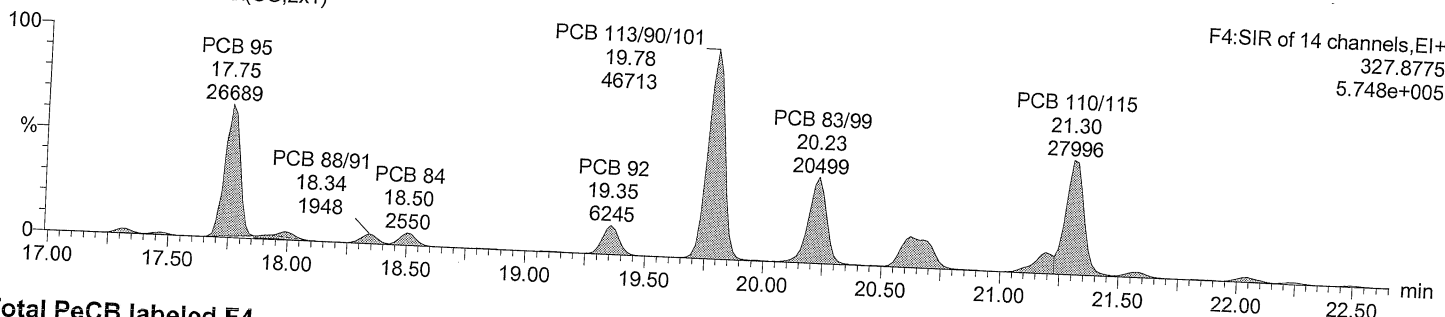
**Total PeCB F4**

M2160218DS007 Smooth(SG,2x1)



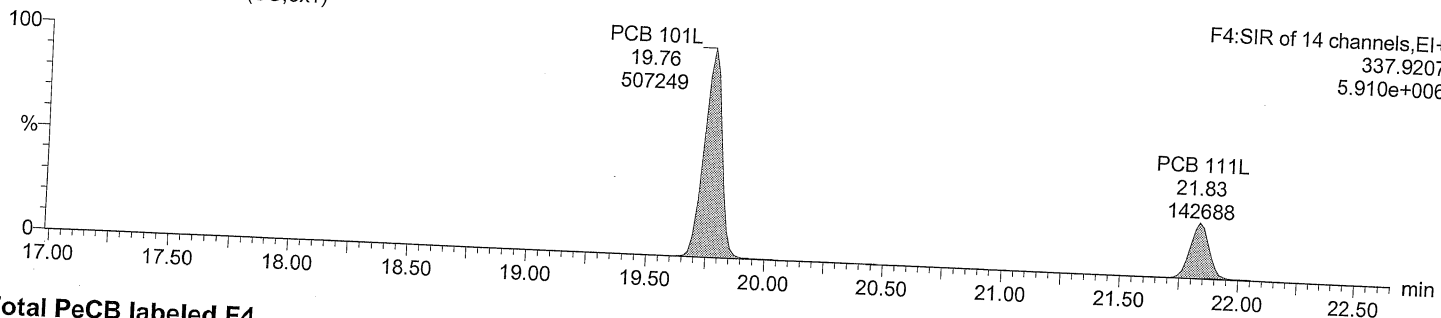
**Total PeCB F4**

M2160218DS007 Smooth(SG,2x1)



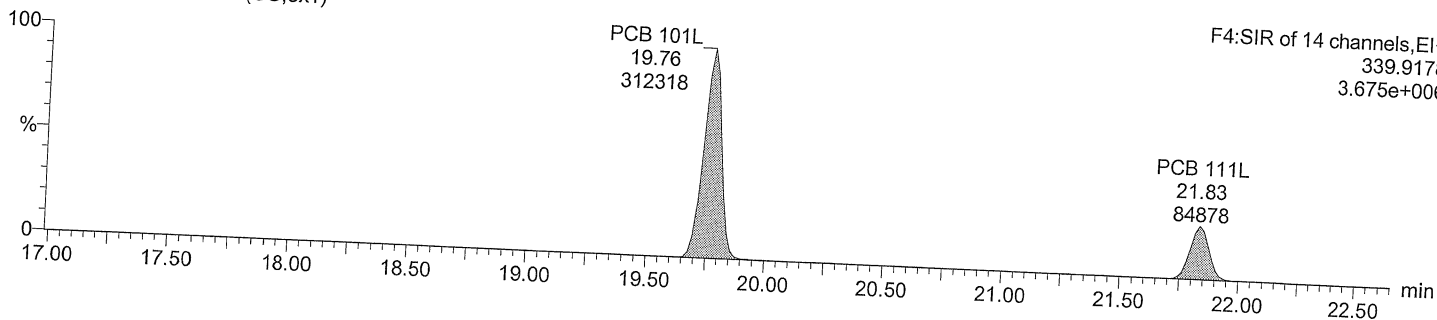
**Total PeCB labeled F4**

M2160218DS007 Smooth(SG,3x1)



**Total PeCB labeled F4**

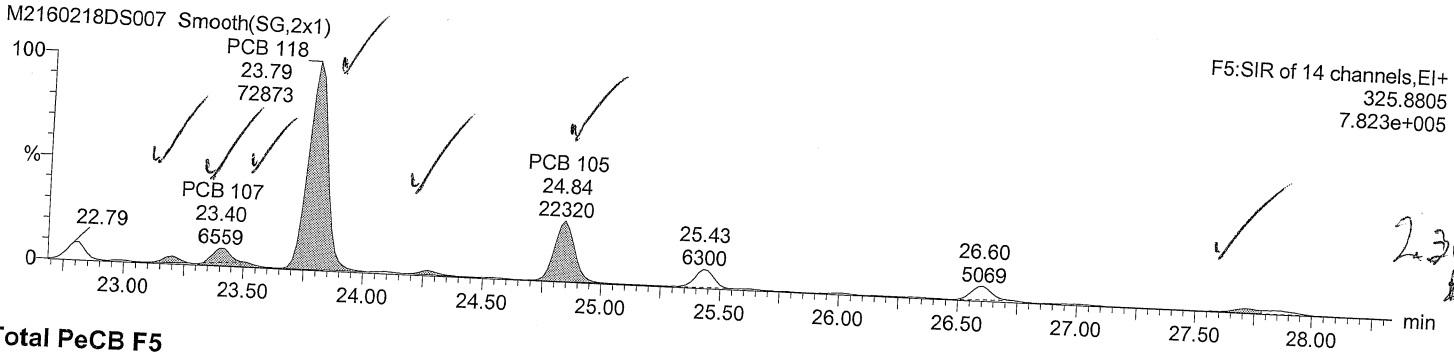
M2160218DS007 Smooth(SG,3x1)



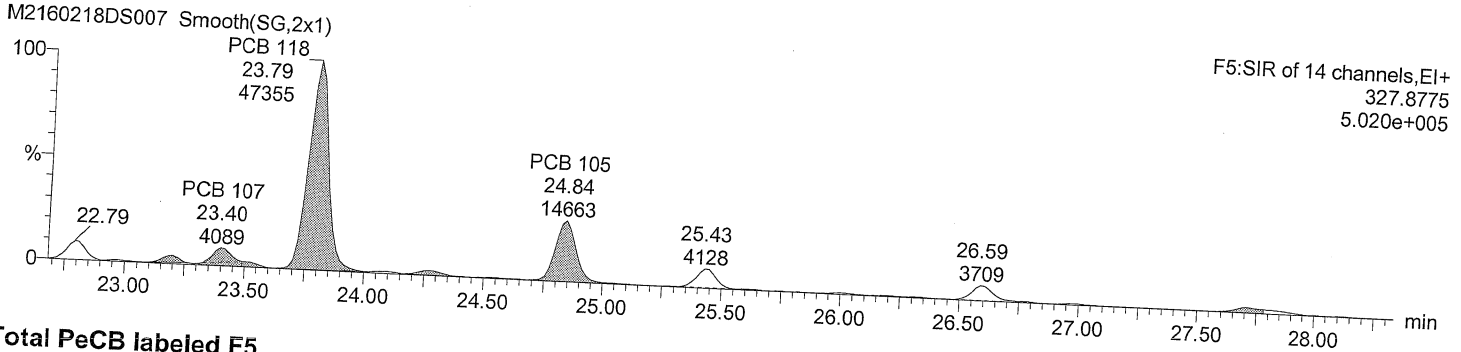
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ID: Anchor QEA, PG-SMA2-2-MUS-COC-16010, Ti  
Description: BRP508-01R  
Vial: 7  
Date: 18-FEB-2016  
Time: 23:28:36

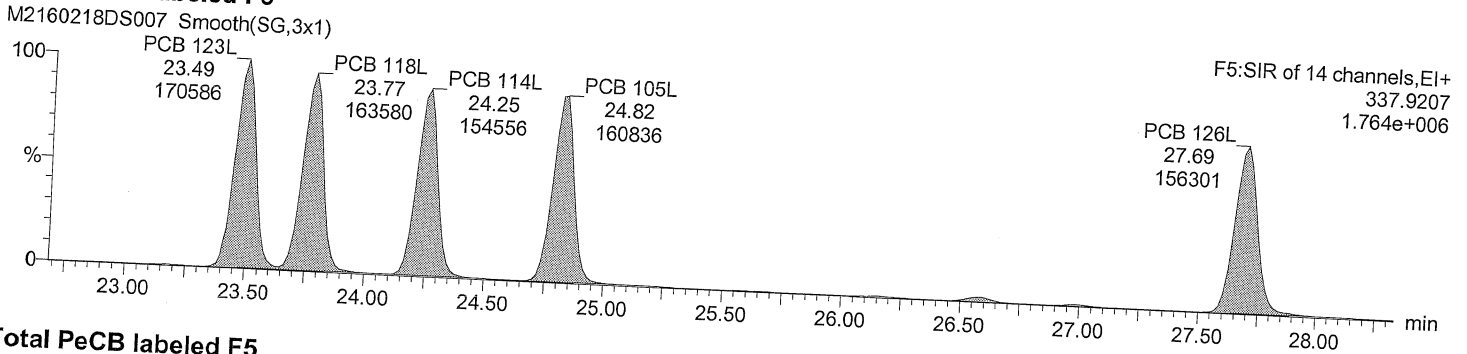
**Total PeCB F5**



**Total PeCB F5**



**Total PeCB labeled F5**



**Total PeCB labeled F5**

