

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083676.D
 Acq On : 10 Dec 2015 10:14
 Operator : UM/IZ
 Sample : G4582-08DL 10X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)DL

Quant Time: Dec 10 12:41:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

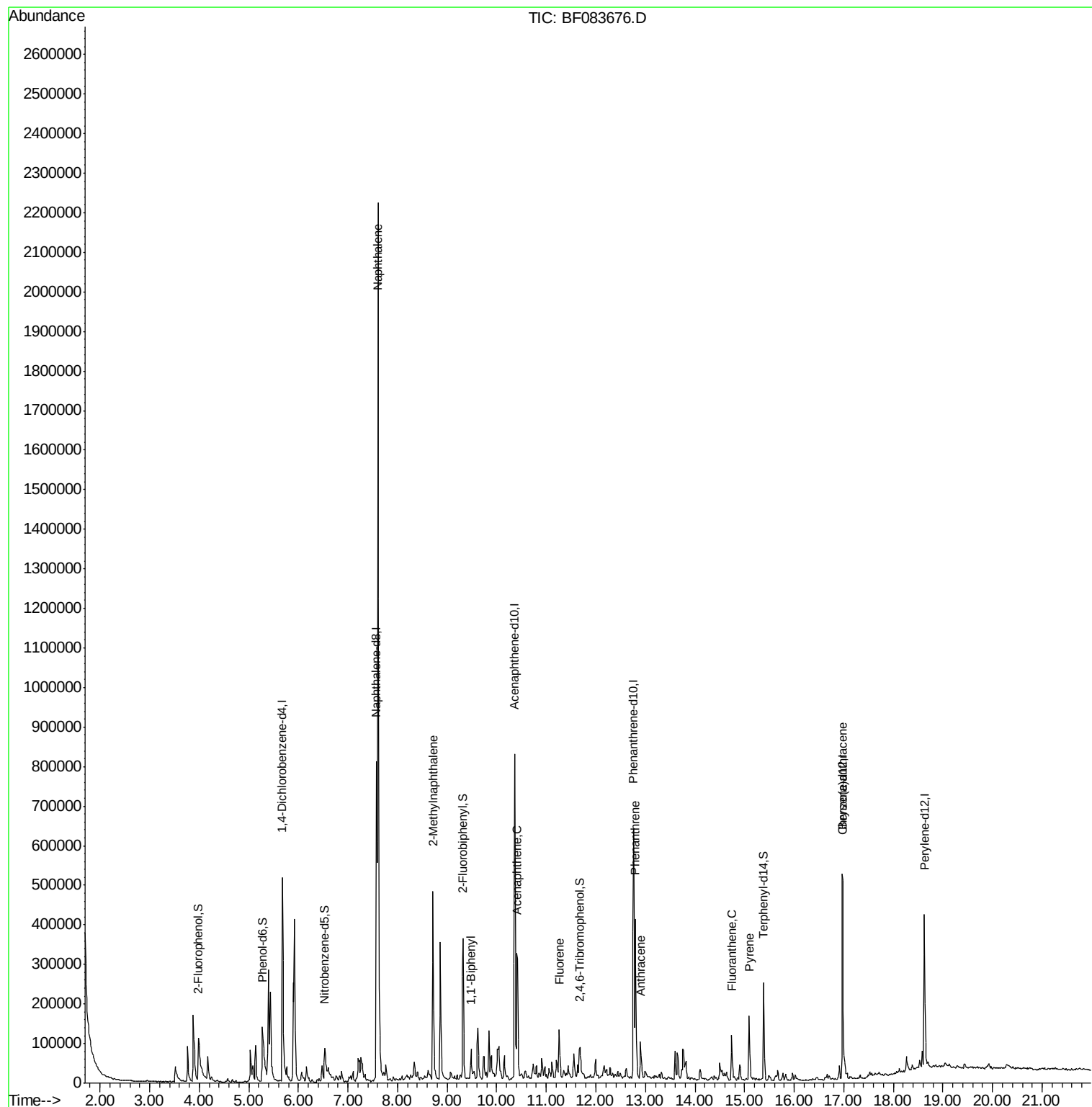
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	124010	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	478484	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	218809	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	338617	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	299702	20.00	ng	-0.01
86) Perylene-d12	18.63	264	233692	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	112788	13.79	ng	0.01
7) Phenol-d6	5.28	99	163550	14.97	ng	0.00
23) Nitrobenzene-d5	6.53	82	105612	10.30	ng	0.00
41) 2,4,6-Tribromophenol	11.68	330	19494	10.00	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	187453	12.06	ng	-0.02
78) Terphenyl-d14	15.38	244	128212	10.07	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.61	128	1441769	56.89	ng	99
37) 2-Methylnaphthalene	8.72	142	218470	13.72	ng	99
45) 1,1'-Biphenyl	9.48	154	40871	2.15	ng	98
51) Acenaphthene	10.42	154	124488	9.18	ng	98
57) Fluorene	11.26	166	72710	4.43	ng	99
70) Phenanthrene	12.80	178	270938	13.93	ng	99
71) Anthracene	12.90	178	74185	3.68	ng	96
74) Fluoranthene	14.74	202	83851	4.21	ng	99
77) Pyrene	15.09	202	120120	5.57	ng	98
80) Benzo(a)anthracene	16.97	228	35749	2.04	ng	# 69

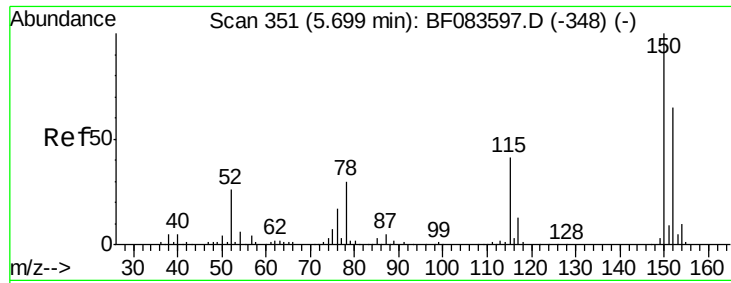
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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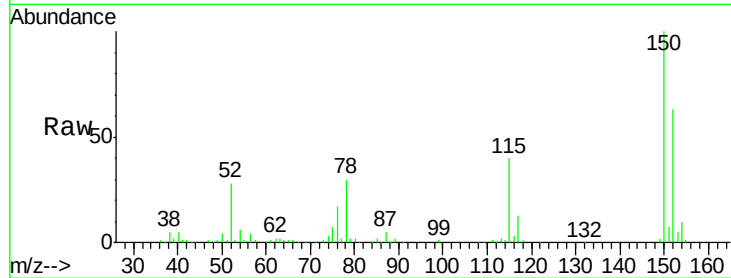


#1

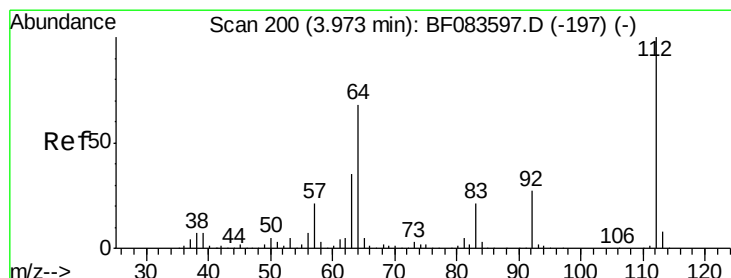
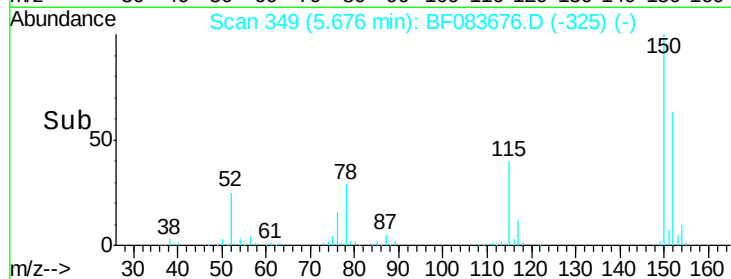
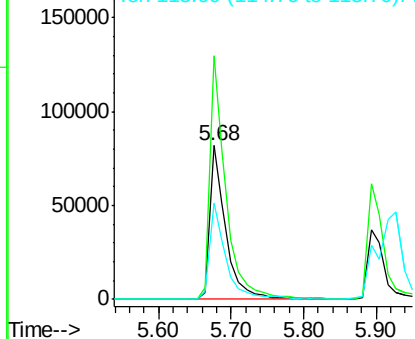
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)DL

Tot Ion:152 Resp: 124010
Ion Ratio Lower Upper
152 100
150 158.2 126.5 189.7
115 62.9 52.3 78.5



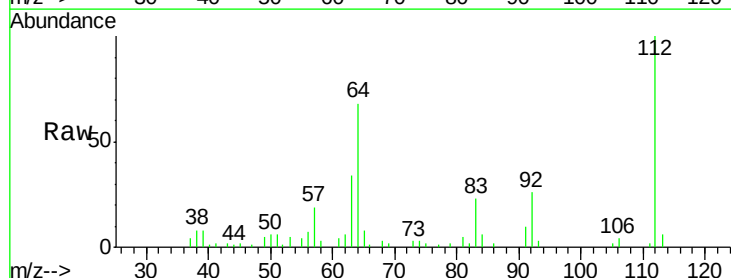
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



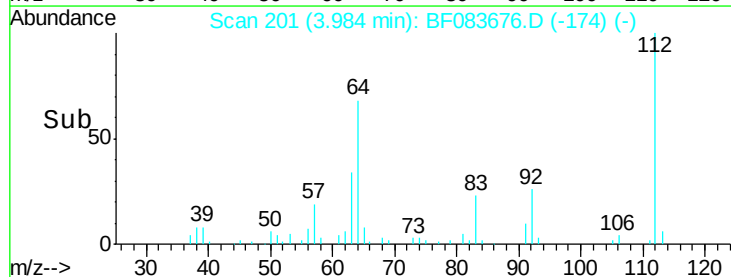
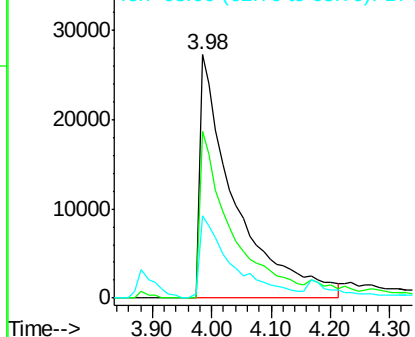
#5

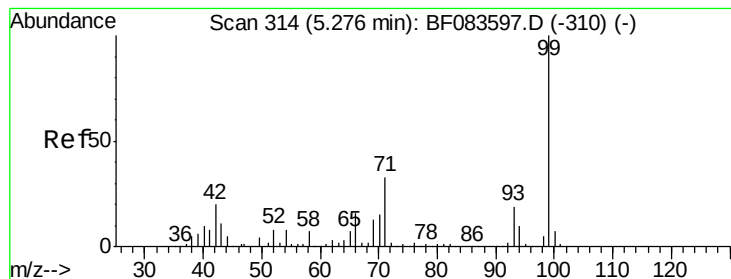
2-Fluorophenol
Concen: 13.79 ng
RT: 3.98 min Scan# 201
Delta R.T. 0.01 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Tgt Ion:112 Resp: 112788
Ion Ratio Lower Upper
112 100
64 68.3 50.5 75.7
63 34.0 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 14.97 ng

RT: 5.28 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

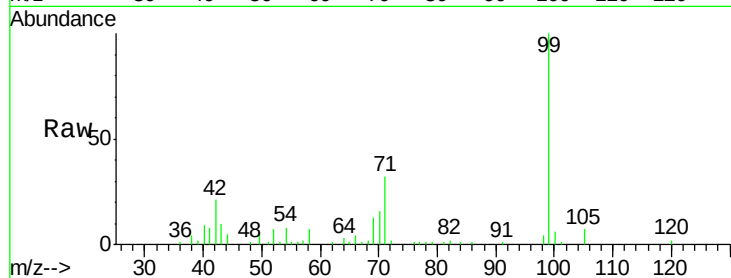
Tot Ion: 99 Resp: 163550

Ion Ratio Lower Upper

99 100

42 21.0 17.3 25.9

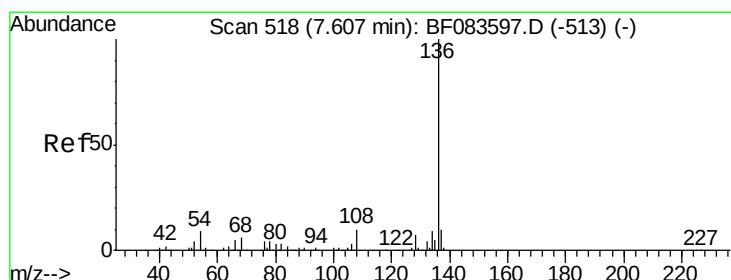
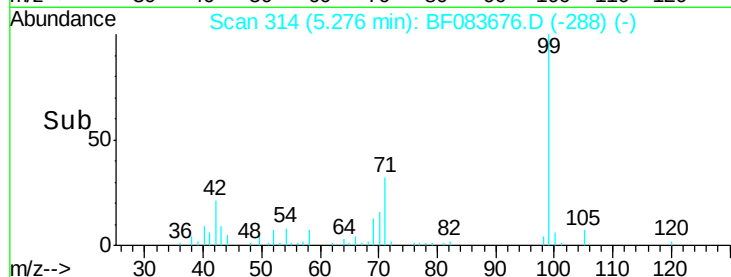
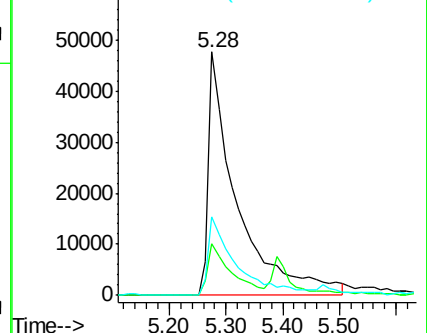
71 32.3 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Tgt Ion: 136 Resp: 478484

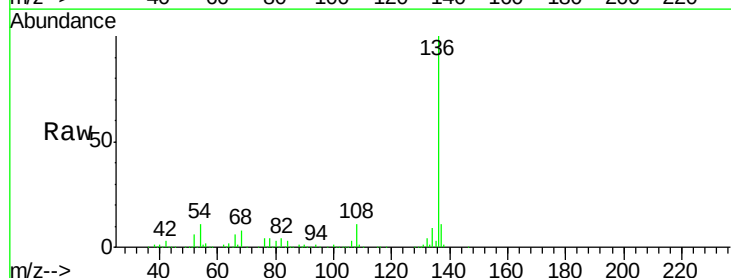
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.3 7.8 11.6

68 7.7 5.7 8.5

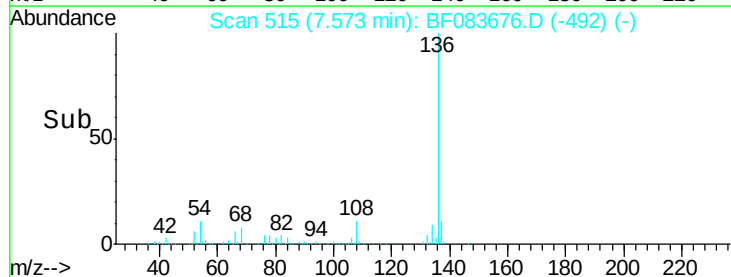
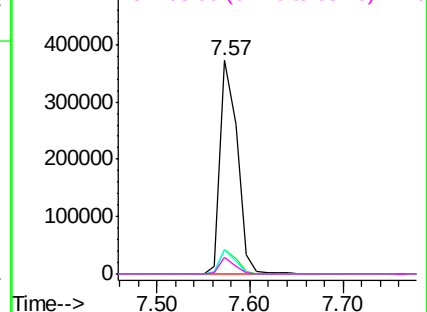


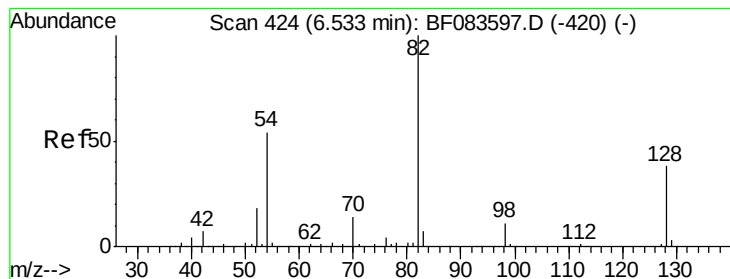
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 10.30 ng

RT: 6.53 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

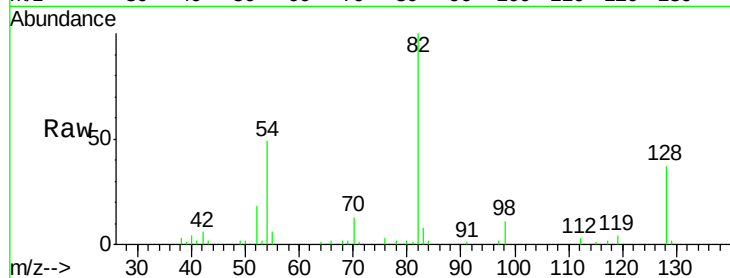
Tot Ion: 82 Resp: 105612

Ion Ratio Lower Upper

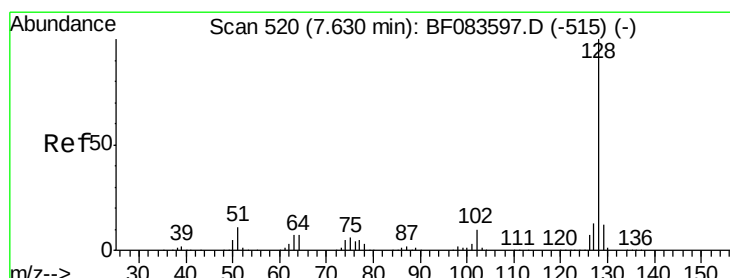
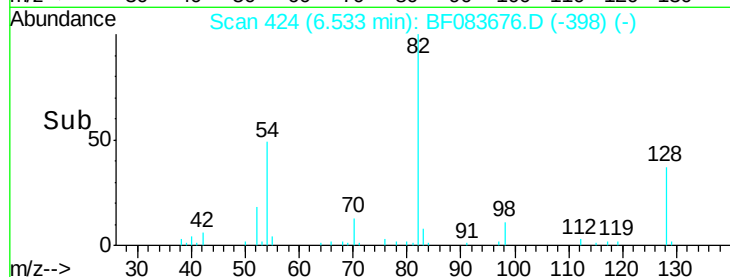
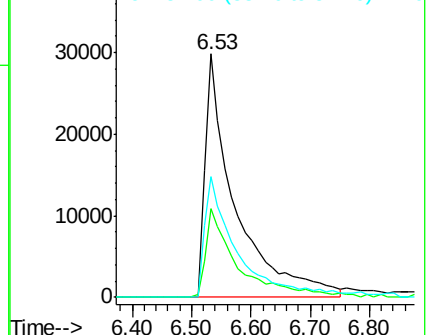
82 100

128 36.6 30.7 46.1

54 49.4 42.5 63.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 56.89 ng

RT: 7.61 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

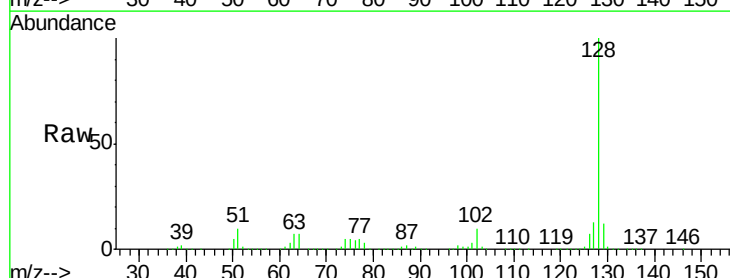
Tgt Ion: 128 Resp: 1441769

Ion Ratio Lower Upper

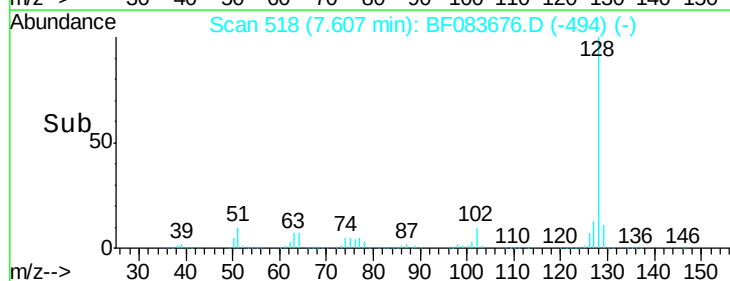
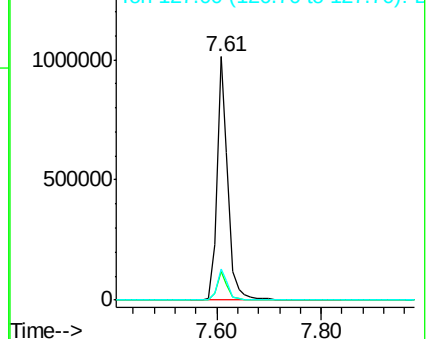
128 100

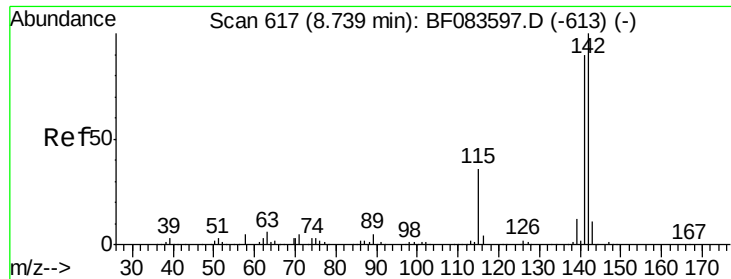
129 11.5 8.6 13.0

127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

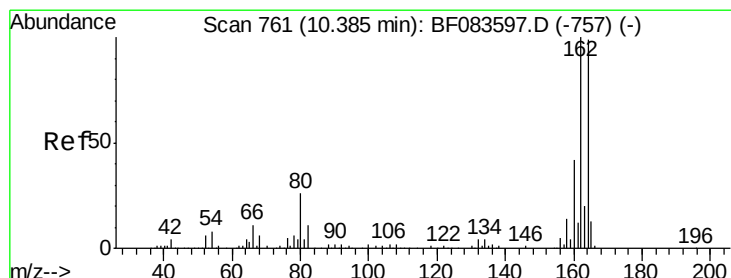
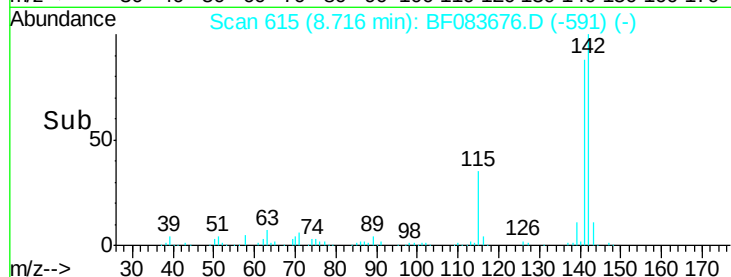
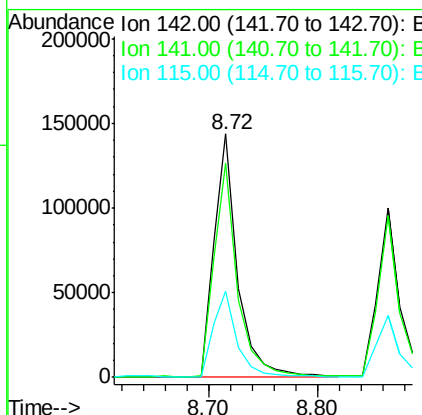
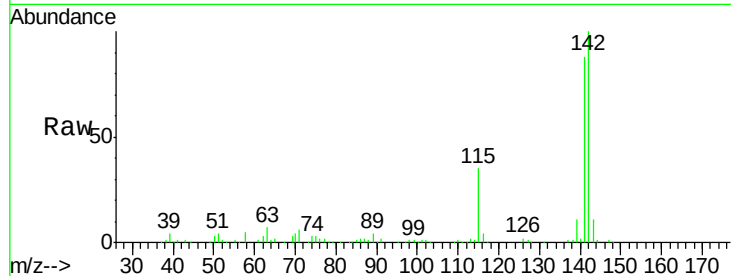




#37
2-Methylnaphthalene
Concen: 13.72 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

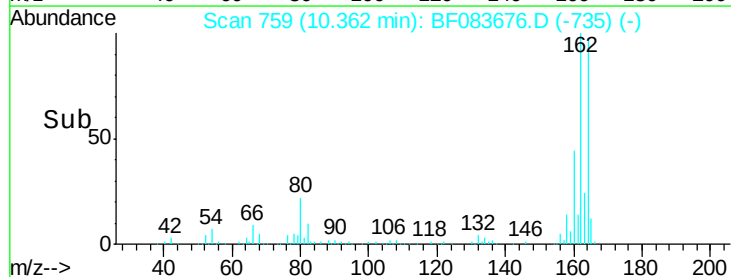
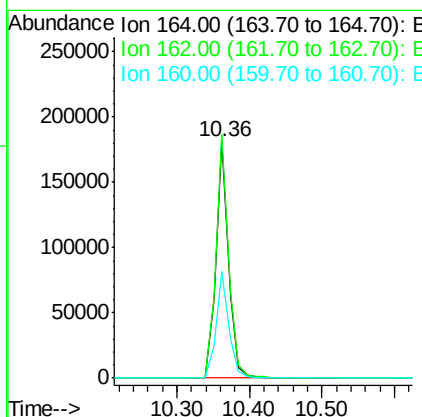
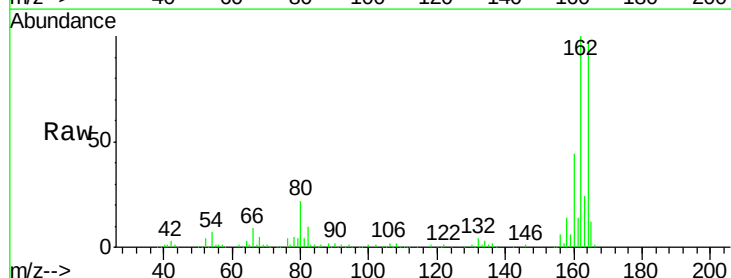
Instrument :
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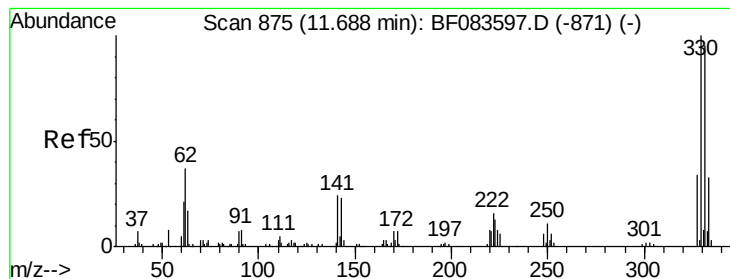
Tot Ion:142 Resp: 218470
Ion Ratio Lower Upper
142 100
141 87.8 70.3 105.5
115 35.3 29.2 43.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Tgt Ion:164 Resp: 218809
Ion Ratio Lower Upper
164 100
162 102.8 78.8 118.2
160 45.1 33.4 50.2

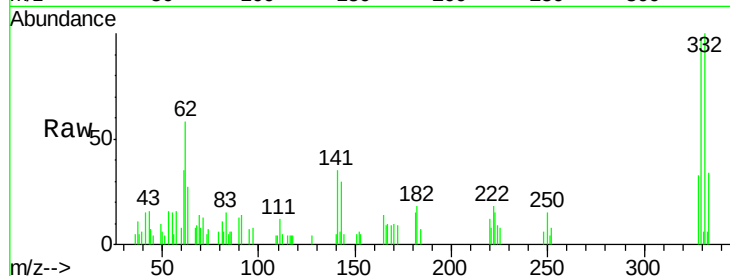




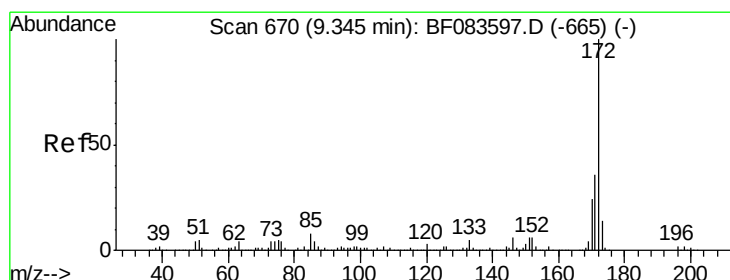
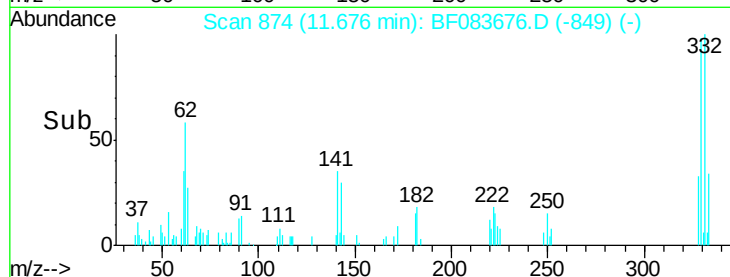
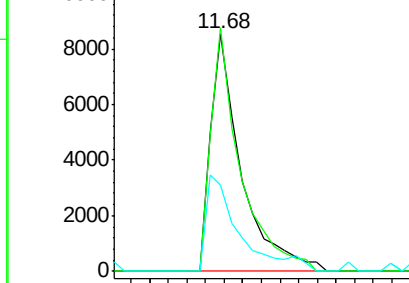
#41
 2,4,6-Tribromophenol
 Concen: 10.00 ng
 RT: 11.68 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	0.0	0.0#
141	44.6	0.0	0.0#

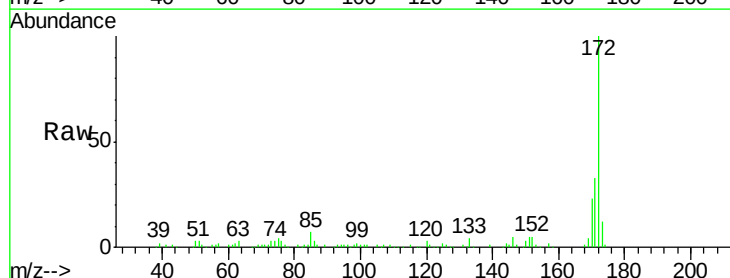


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

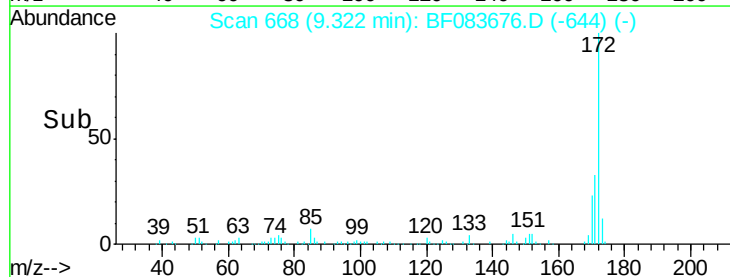
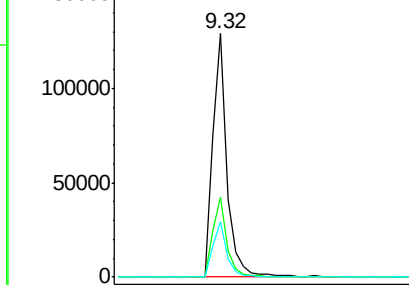


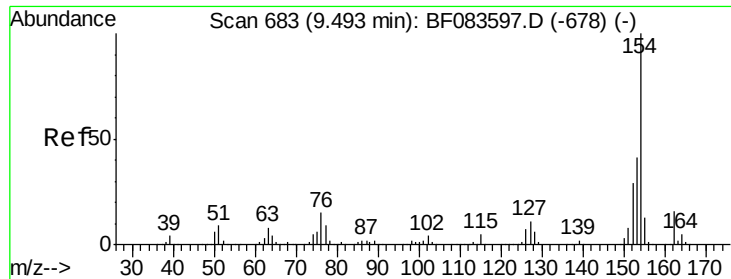
#44
 2-Fluorobiphenyl
 Concen: 12.06 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	28.6	42.8
170	22.7	19.4	29.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 2.15 ng

RT: 9.48 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

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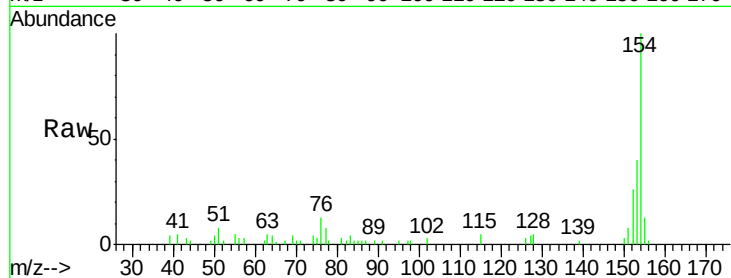
Tot Ion:154 Resp: 40871

Ion Ratio Lower Upper

154 100

153 39.5 20.2 60.2

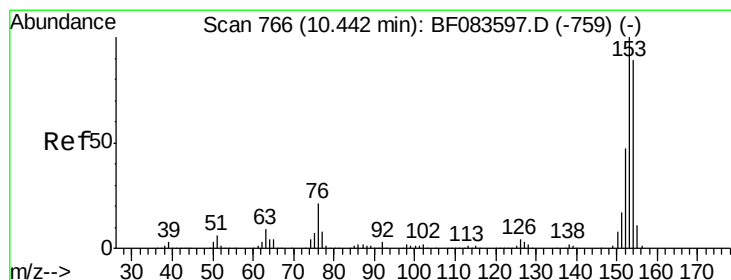
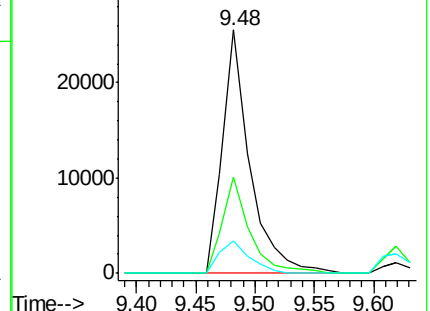
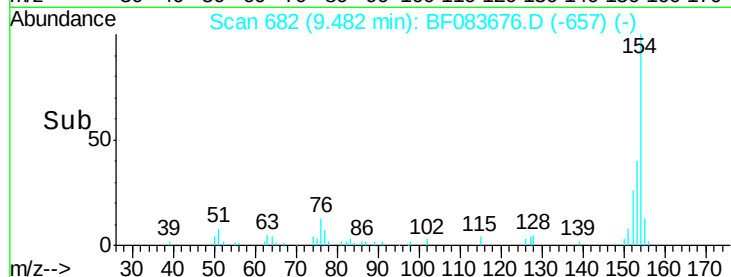
76 13.1 0.0 34.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 9.18 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

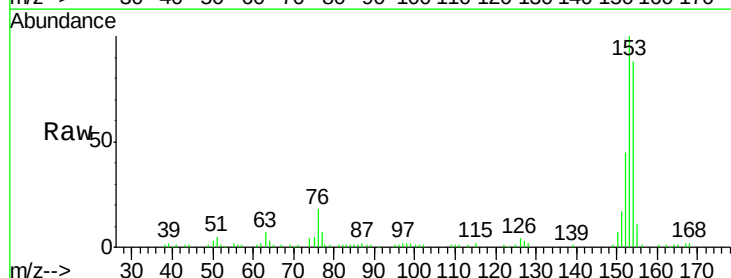
Tgt Ion:154 Resp: 124488

Ion Ratio Lower Upper

154 100

153 113.0 91.4 137.0

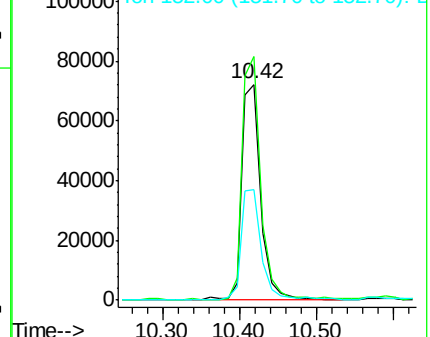
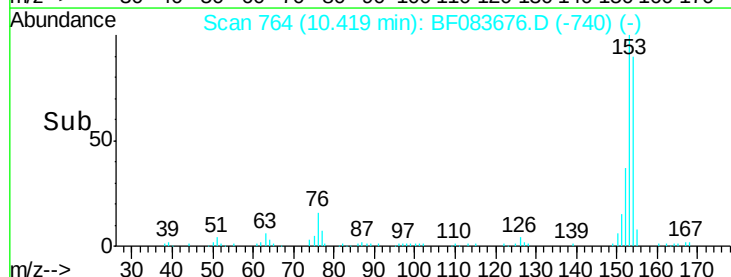
152 51.0 43.4 65.2

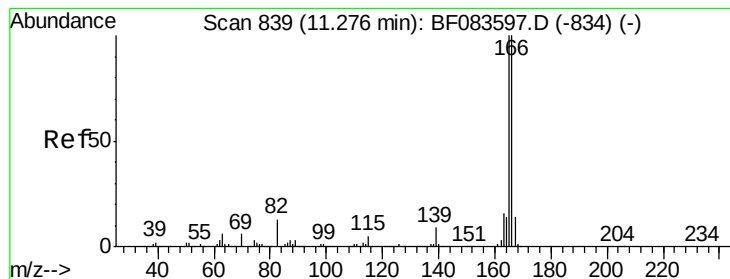


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 4.43 ng

RT: 11.26 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF083676.D

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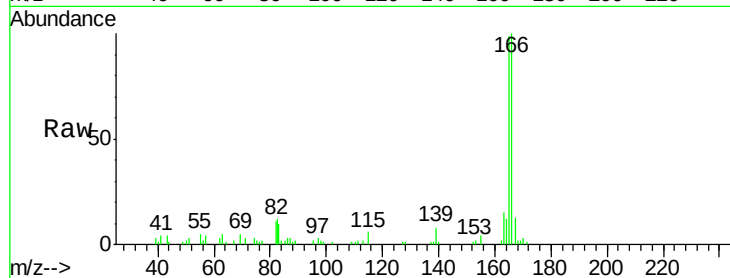
Tot Ion:166 Resp: 72710

Ion Ratio Lower Upper

166 100

165 99.1 80.0 120.0

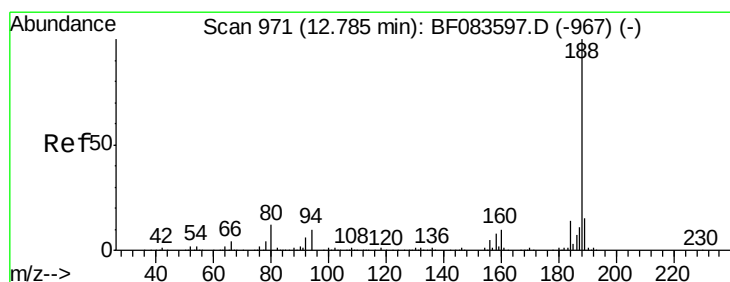
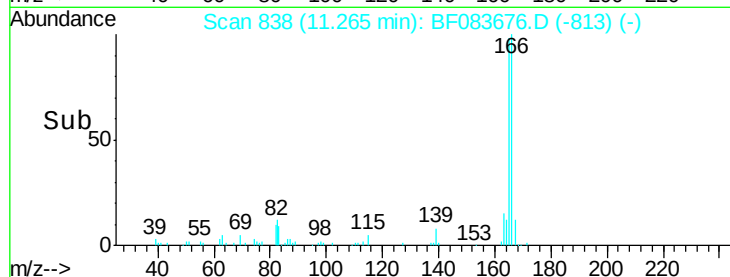
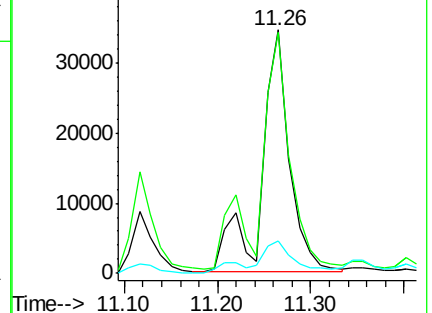
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

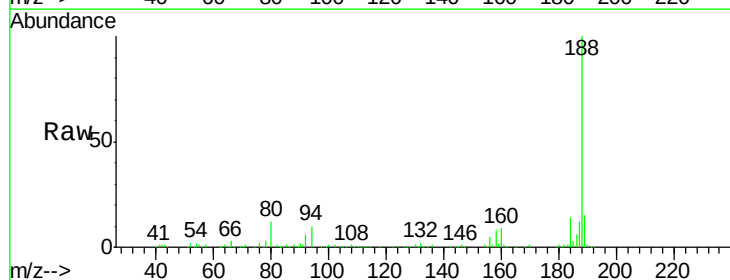
Tgt Ion:188 Resp: 338617

Ion Ratio Lower Upper

188 100

94 9.6 9.4 14.2

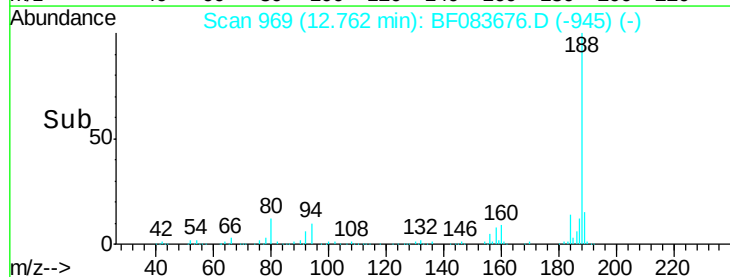
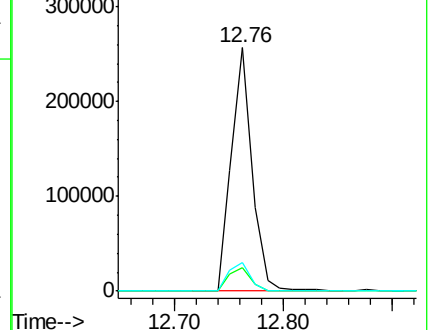
80 11.6 10.6 16.0

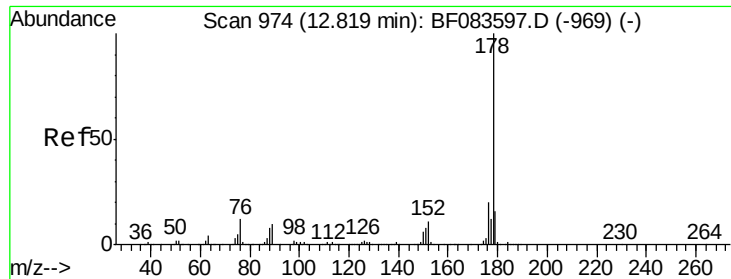


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 13.93 ng

RT: 12.80 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

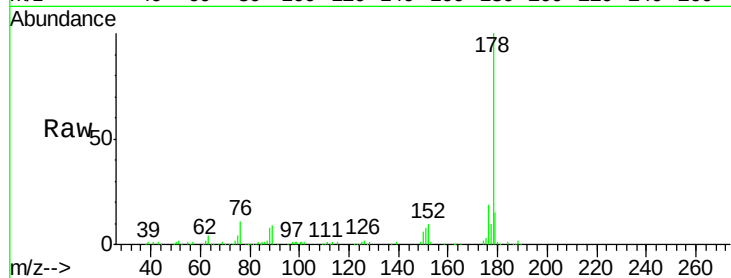
Tot Ion:178 Resp: 270938

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

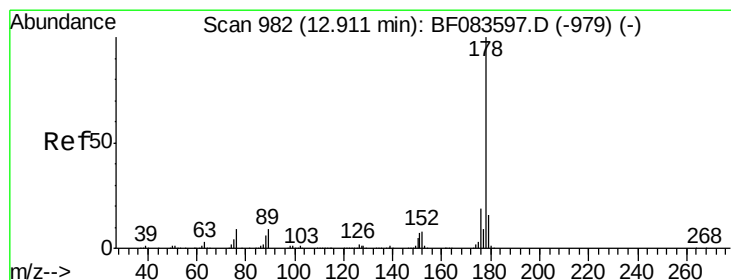
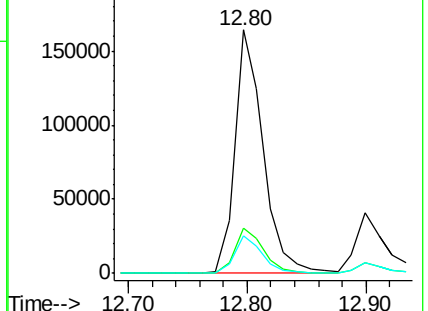
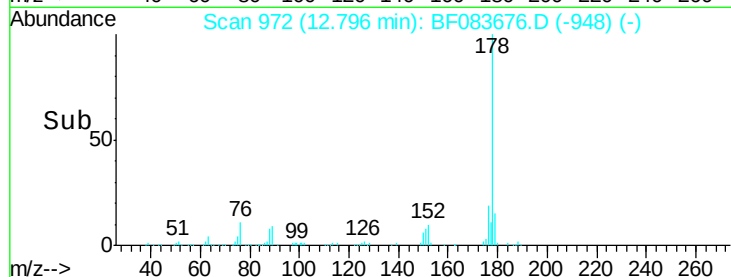
179 15.3 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.68 ng

RT: 12.90 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

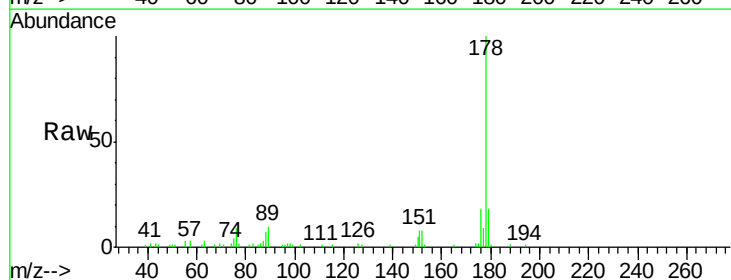
Tgt Ion:178 Resp: 74185

Ion Ratio Lower Upper

178 100

176 17.7 15.2 22.8

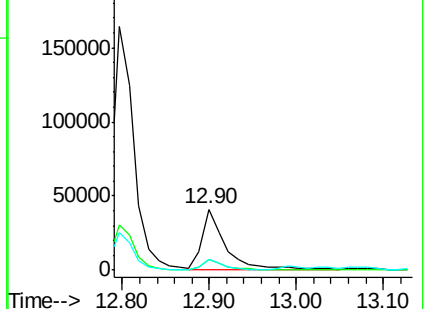
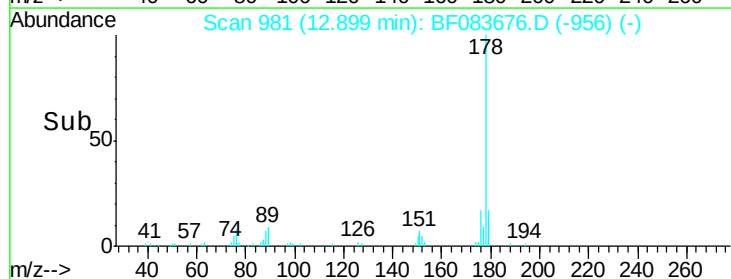
179 17.6 12.6 18.8

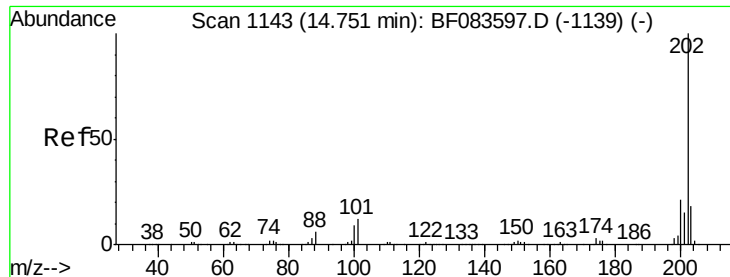


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

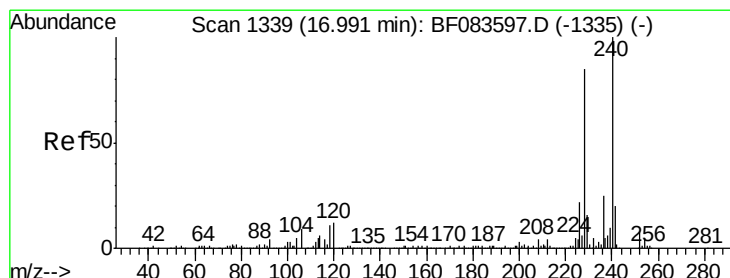
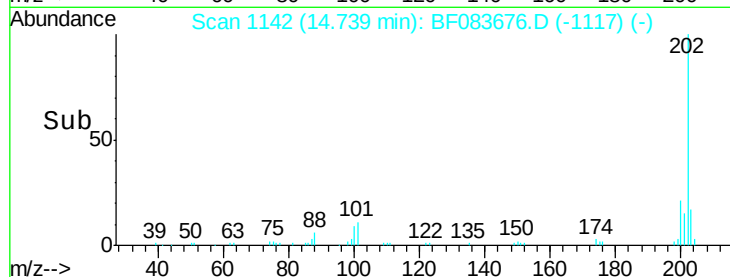
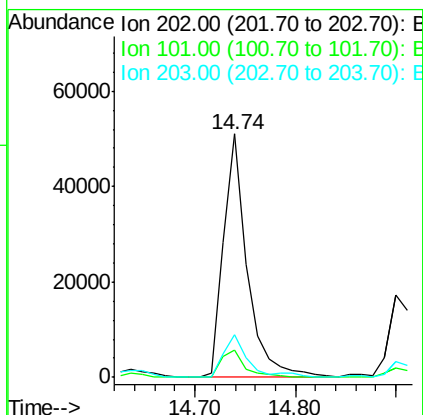
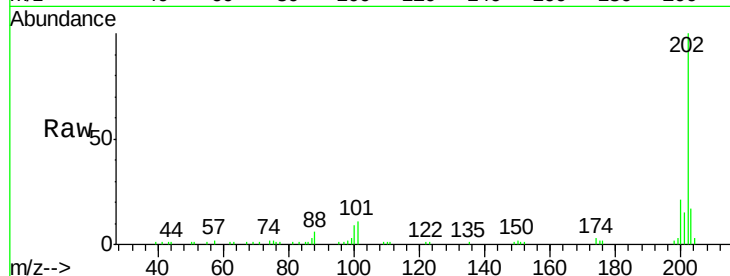




#74
 Fluoranthene
 Concen: 4.21 ng
 RT: 14.74 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

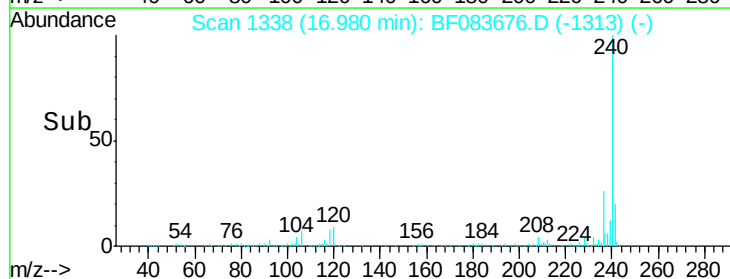
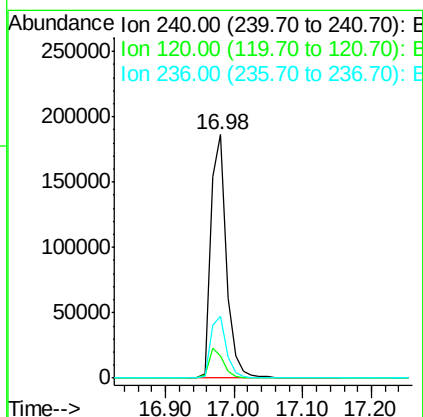
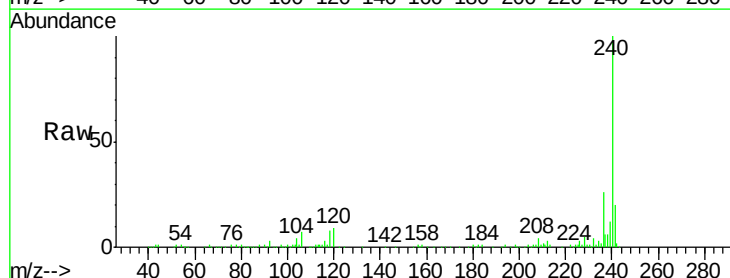
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)DL

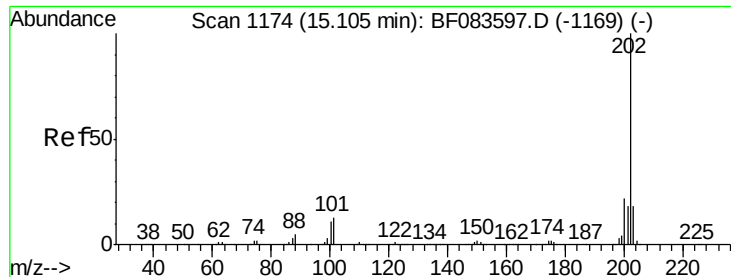
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.3	0.0	37.6



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.98 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.1	12.1
236	25.7	20.8	31.2

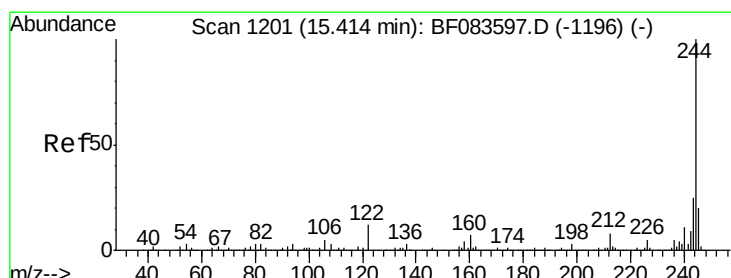
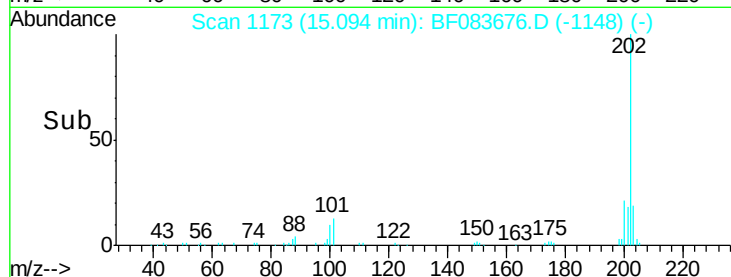
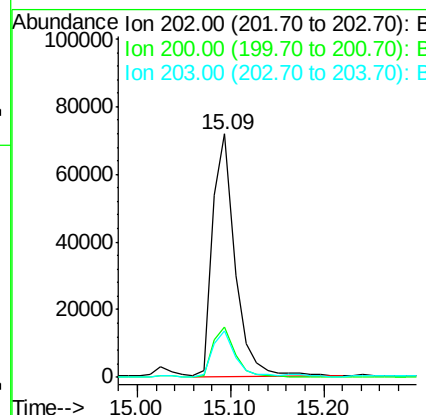
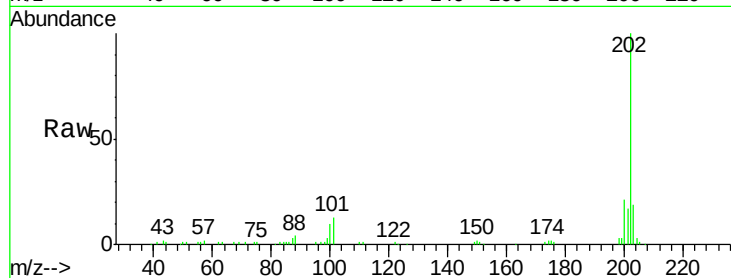




#77
 Pvrene
 Concen: 5.57 ng
 RT: 15.09 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

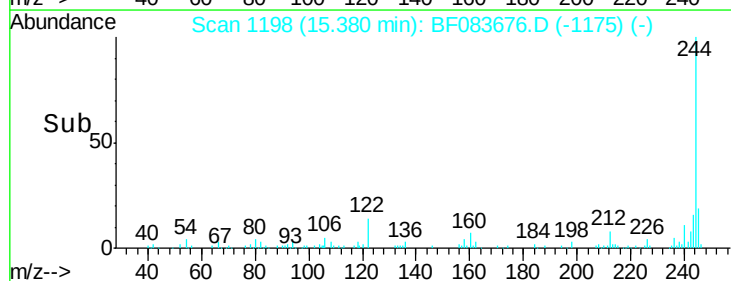
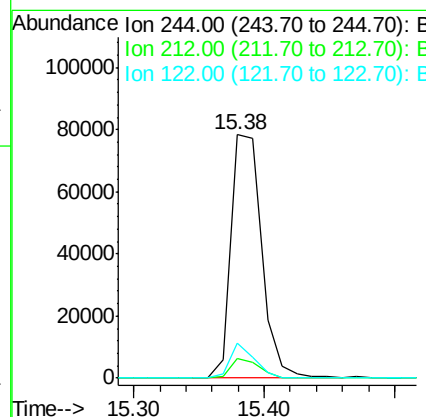
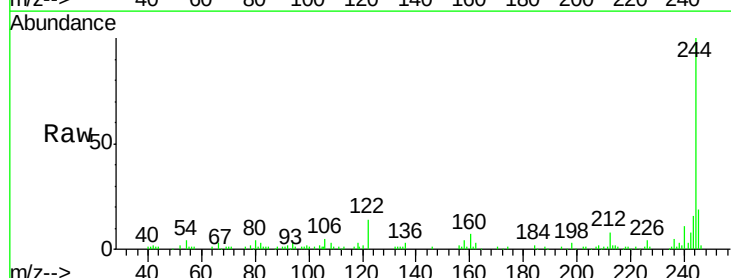
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)DL

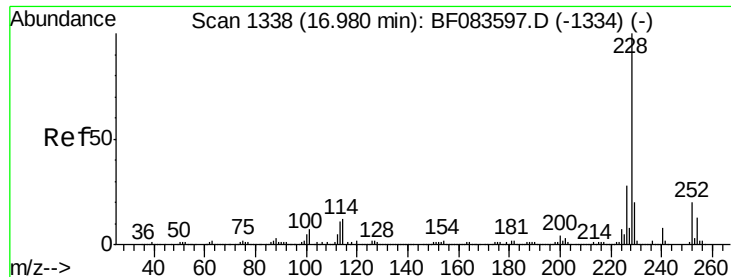
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.7	25.1
203	19.1	14.3	21.5



#78
 Terphenyl-d14
 Concen: 10.07 ng
 RT: 15.38 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	14.2	11.0	16.6





#80

Benzo(a)anthracene

Concen: 2.04 ng

RT: 16.97 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

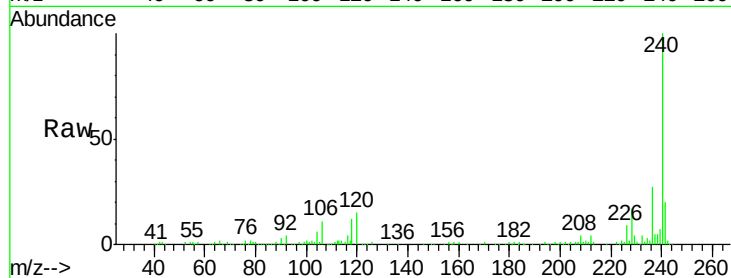
Tot Ion:228 Resp: 35749

Ion Ratio Lower Upper

228 100

226 54.1 22.3 33.5#

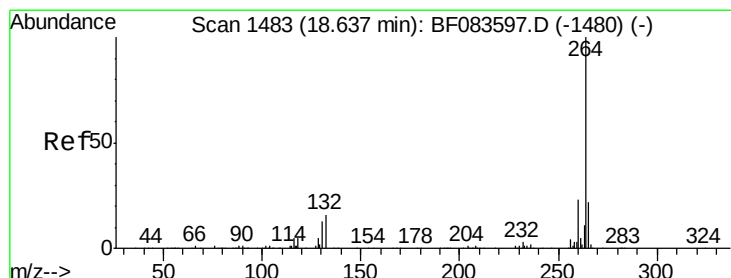
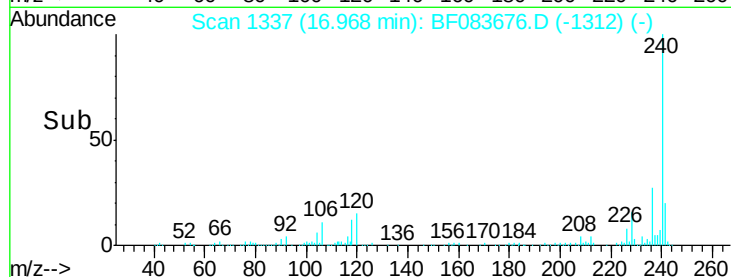
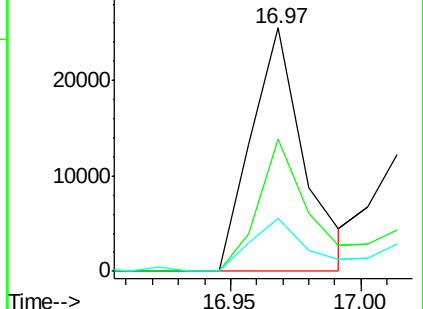
229 21.9 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

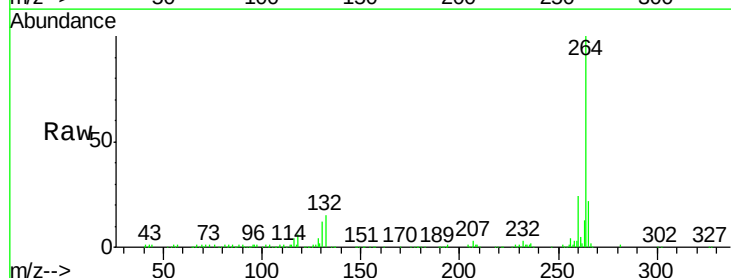
Tgt Ion:264 Resp: 233692

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

265 21.8 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

