

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121015\
 Data File : BF083685.D
 Acq On : 10 Dec 2015 20:01
 Operator : UM/IZ
 Sample : G4582-09DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(8-14)DL

Quant Time: Dec 11 01:03:37 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

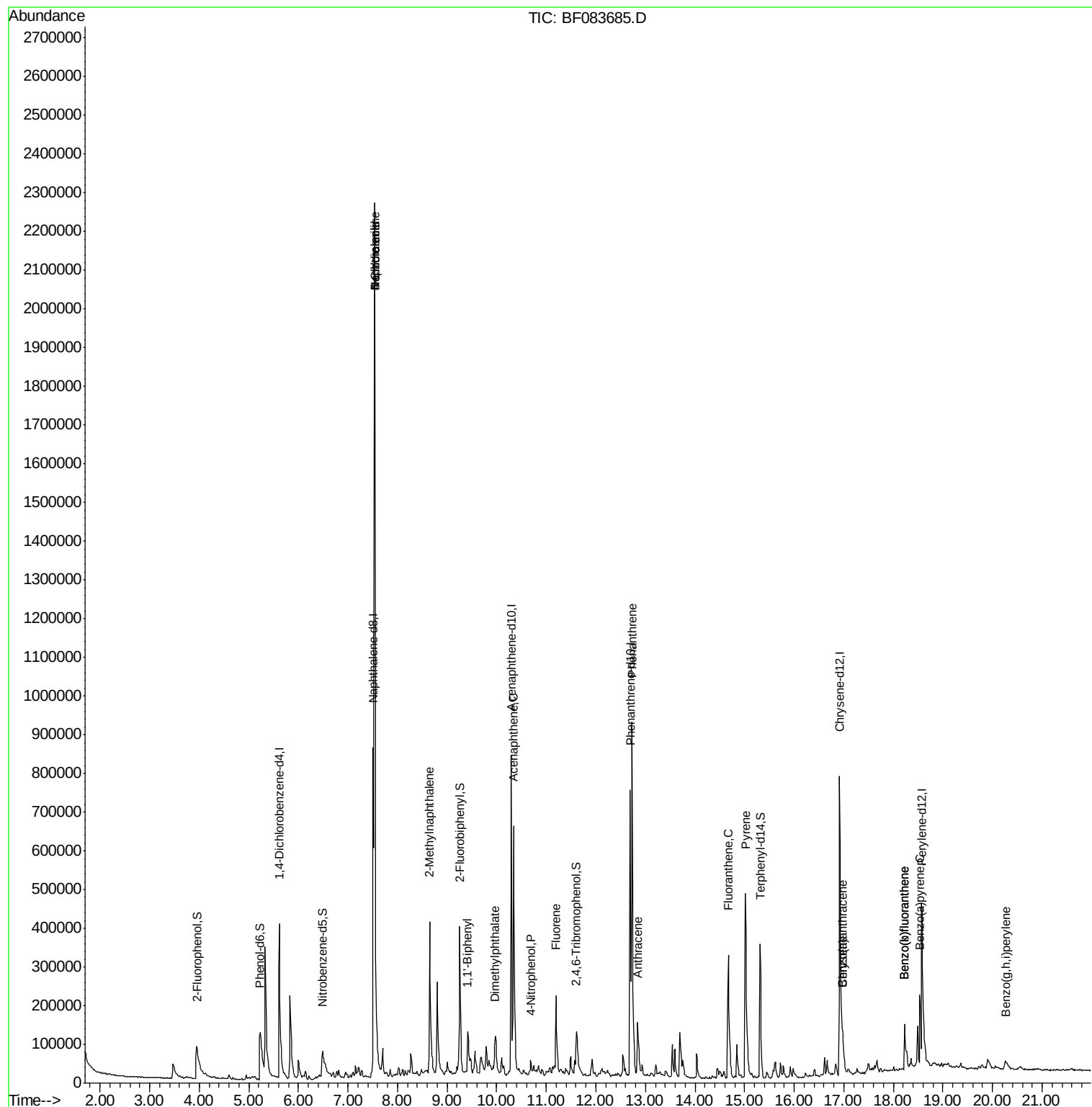
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.62	152	128010	20.00	ng	-0.08
21) Naphthalene-d8	7.50	136	504323	20.00	ng	-0.10
38) Acenaphthene-d10	10.29	164	243597	20.00	ng	-0.09
63) Phenanthrene-d10	12.69	188	454009	20.00	ng	-0.09
75) Chrysene-d12	16.91	240	437069	20.00	ng	-0.08
86) Perylene-d12	18.58	264	368784	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.95	112	123234	14.60	ng	-0.02
7) Phenol-d6	5.23	99	198077	17.56	ng	-0.05
23) Nitrobenzene-d5	6.49	82	120569	11.16	ng	-0.05
41) 2,4,6-Tribromophenol	11.61	330	33117	15.26	ng	-0.08
44) 2-Fluorobiphenyl	9.25	172	199402	11.52	ng	-0.09
78) Terphenyl-d14	15.31	244	192449	10.36	ng	-0.10
Target Compounds						Qvalue
31) Naphthalene	7.54	128	1575017	58.97	ng	99
32) Benzoic acid	7.54	122	3103	3.58	ng	# 1
33) 4-Chloroaniline	7.54	127	208387	21.39	ng	# 29
37) 2-Methylnaphthalene	8.65	142	194185	11.57	ng	98
45) 1,1'-Biphenyl	9.41	154	73915	3.49	ng	96
49) Dimethylphthalate	9.96	163	41317	2.13	ng	# 99
51) Acenaphthene	10.34	154	232973	15.44	ng	99
55) 4-Nitrophenol	10.68	139	7984	4.26	ng	# 22
57) Fluorene	11.20	166	115984	6.35	ng	100
70) Phenanthrene	12.73	178	651897	24.99	ng	100
71) Anthracene	12.84	178	154667	5.72	ng	98
74) Fluoranthene	14.67	202	301126	11.28	ng	97
77) Pyrene	15.01	202	431821	13.72	ng	100
80) Benzo(a)anthracene	16.98	228	99393	3.89	ng	95
82) Chrysene	16.98	228	99393	3.88	ng	98
87) Benzo(b)fluoranthene	18.23	252	114175	5.44	ng	# 96
88) Benzo(k)fluoranthene	18.23	252	114175	4.93	ng	97
89) Benzo(a)pyrene	18.53	252	102407	5.00	ng	98
91) Benzo(g,h,i)perylene	20.26	276	36939	2.42	ng	98

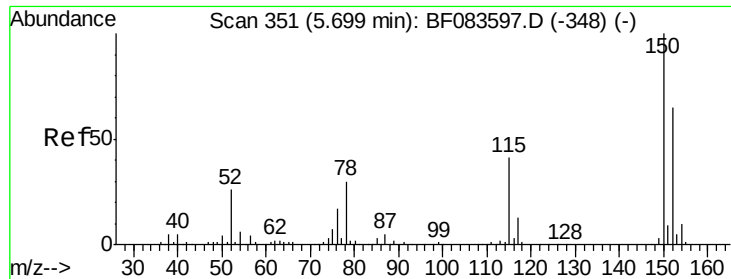
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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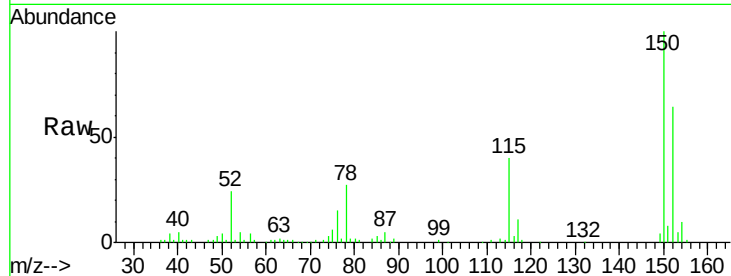


#1

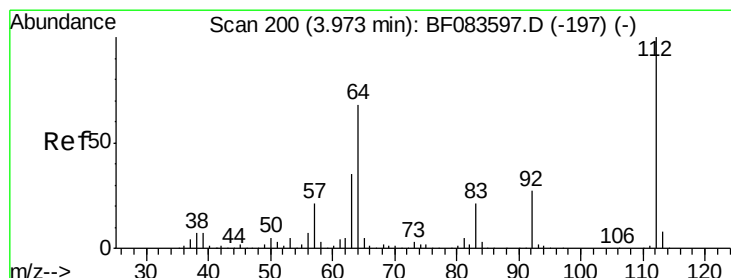
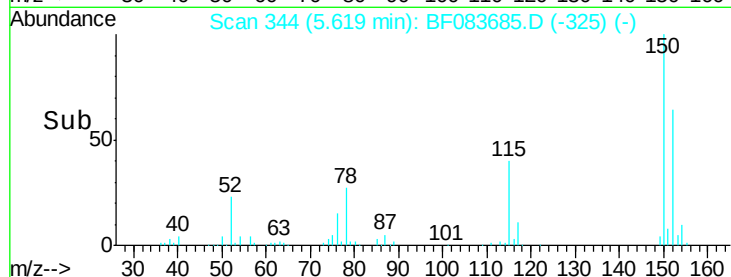
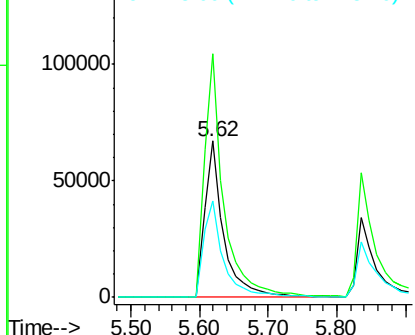
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.62 min Scan# 344
Delta R.T. -0.08 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tgt Ion:152 Resp: 128010
Ion Ratio Lower Upper
152 100
150 155.7 126.5 189.7
115 61.7 52.3 78.5



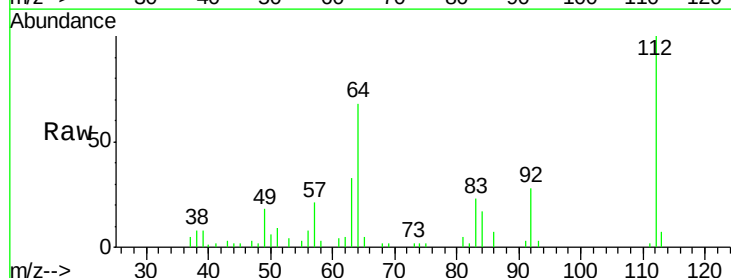
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



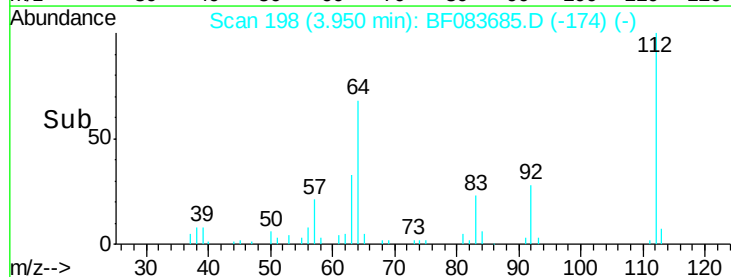
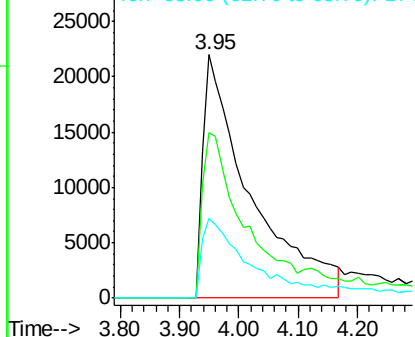
#5

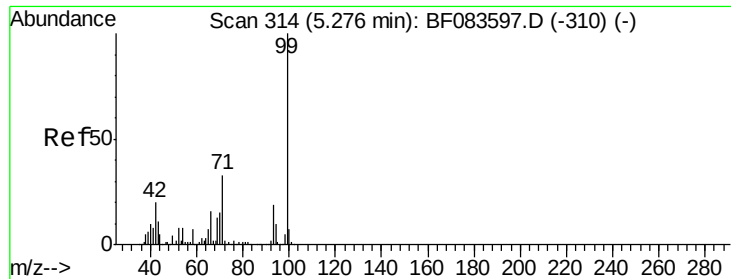
2-Fluorophenol
Concen: 14.60 ng
RT: 3.95 min Scan# 198
Delta R.T. -0.02 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Tgt Ion:112 Resp: 123234
Ion Ratio Lower Upper
112 100
64 68.0 50.5 75.7
63 33.0 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: 17.56 ng

RT: 5.23 min Scan# 310

Delta R.T. -0.05 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(8-14)DL

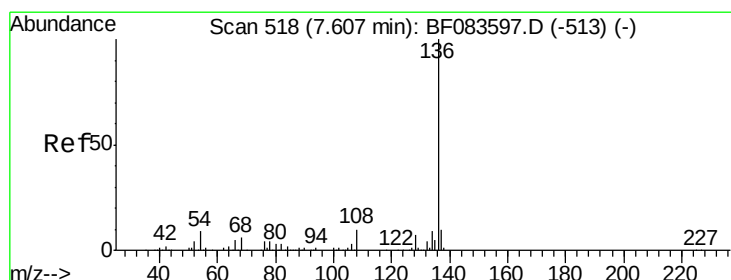
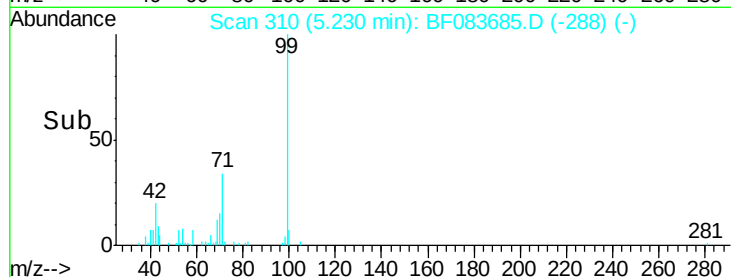
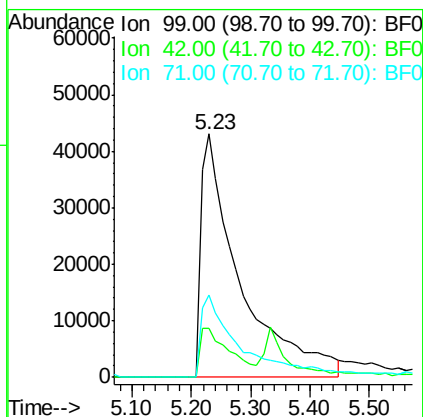
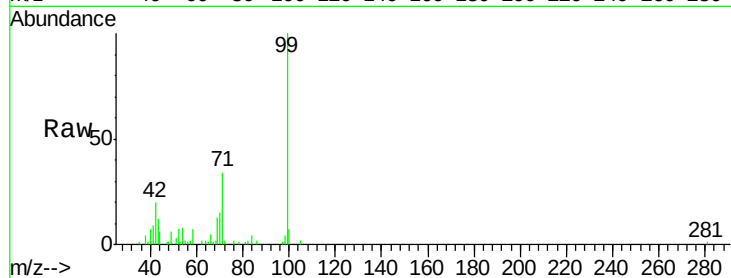
Tgt Ion: 99 Resp: 198077

Ion Ratio Lower Upper

99 100

42 20.0 17.3 25.9

71 33.9 26.6 40.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.50 min Scan# 509

Delta R.T. -0.10 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

Tgt Ion: 136 Resp: 504323

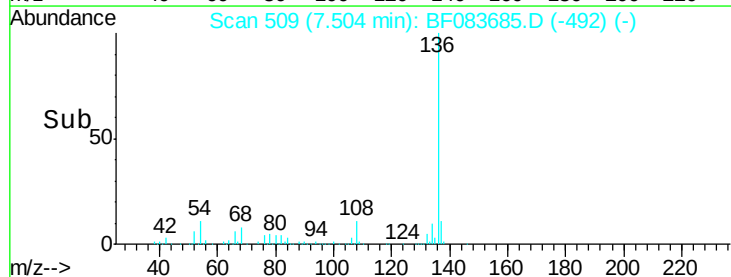
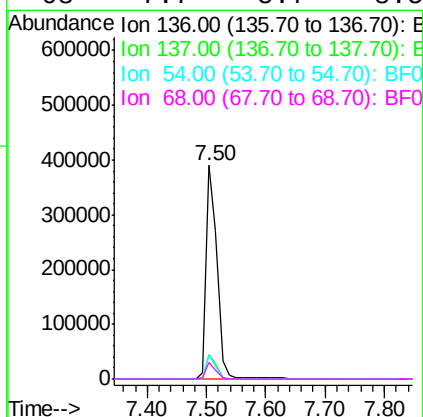
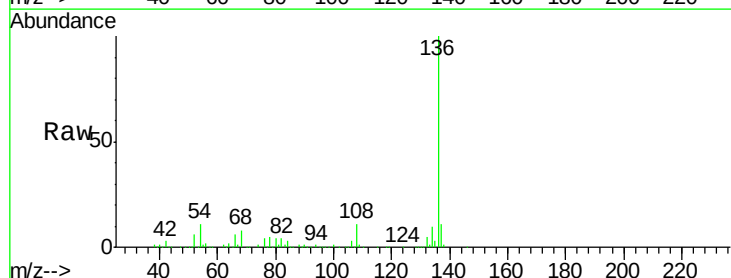
Ion Ratio Lower Upper

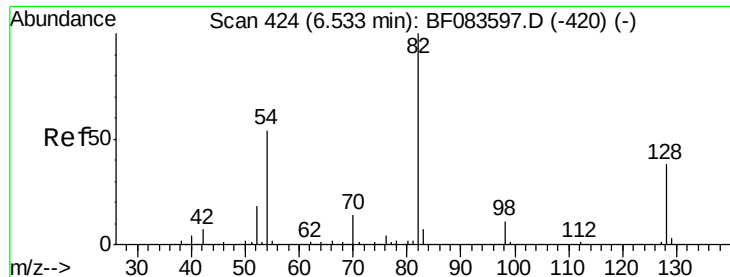
136 100

137 11.4 8.7 13.1

54 11.2 7.8 11.6

68 7.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 11.16 ng

RT: 6.49 min Scan# 420

Delta R.T. -0.05 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(8-14)DL

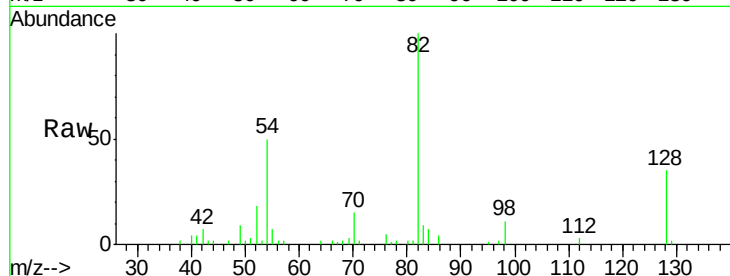
Tgt Ion: 82 Resp: 120569

Ion Ratio Lower Upper

82 100

128 34.7 30.7 46.1

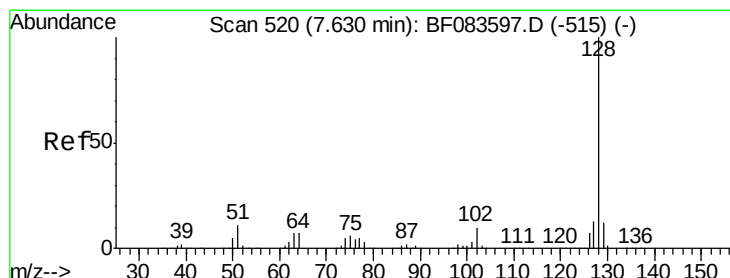
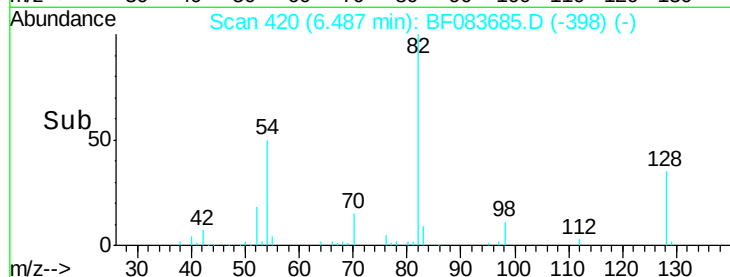
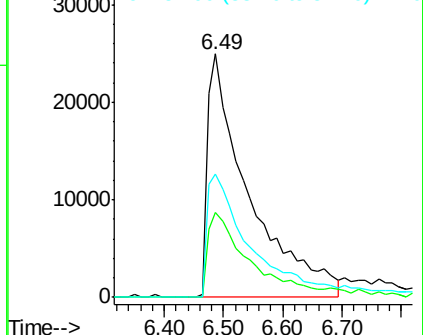
54 50.5 42.5 63.7



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: 58.97 ng

RT: 7.54 min Scan# 512

Delta R.T. -0.09 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

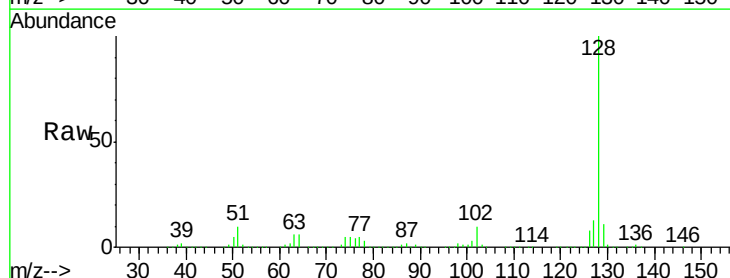
Tgt Ion: 128 Resp: 1575017

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

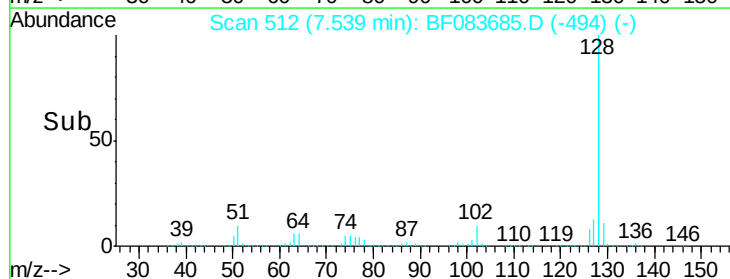
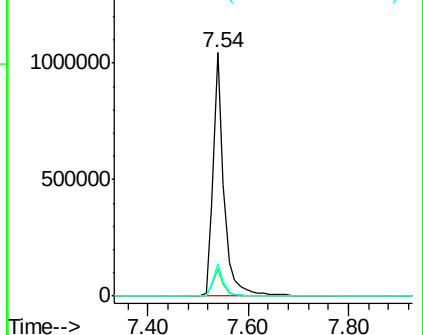
127 13.2 10.6 16.0

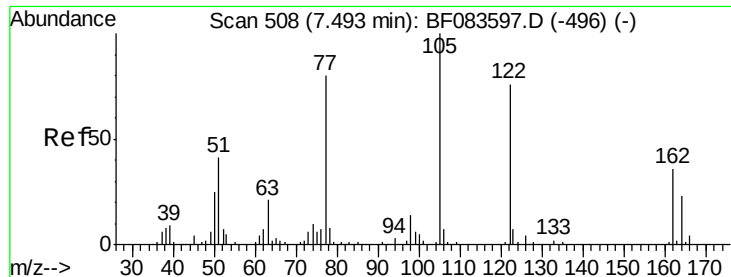


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

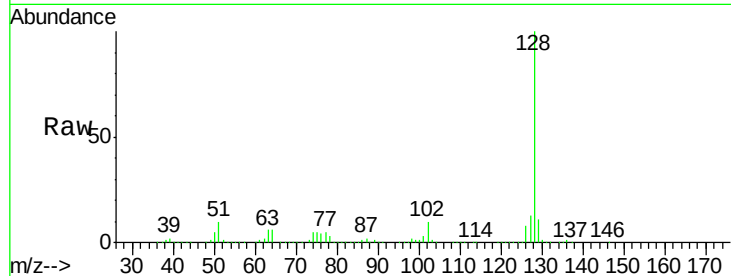




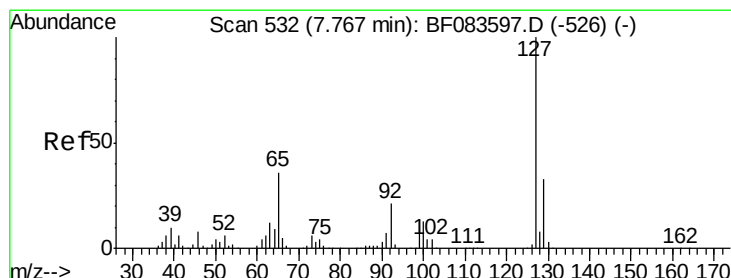
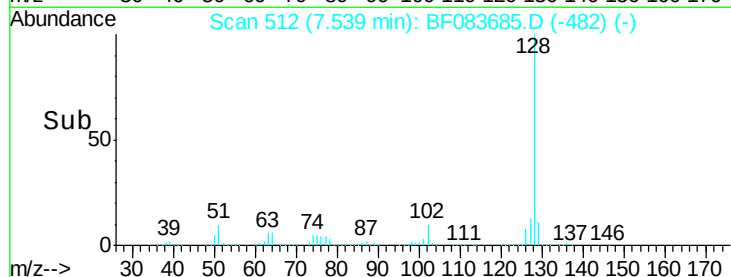
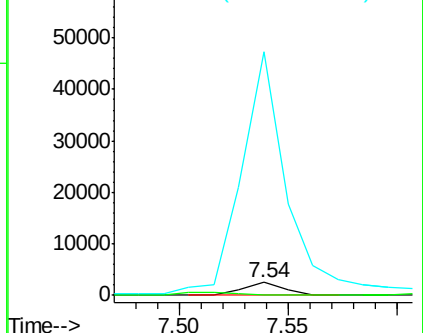
#32
Benzoic acid
Concen: 3.58 ng
RT: 7.54 min Scan# 512
Delta R.T. 0.05 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Instrument :
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ClientSampleId :
SB-P3WC-08(8-14)DL

Tgt Ion:122 Resp: 3103
Ion Ratio Lower Upper
122 100
105 0.0 105.6 145.6#
77 1876.5 86.8 126.8#

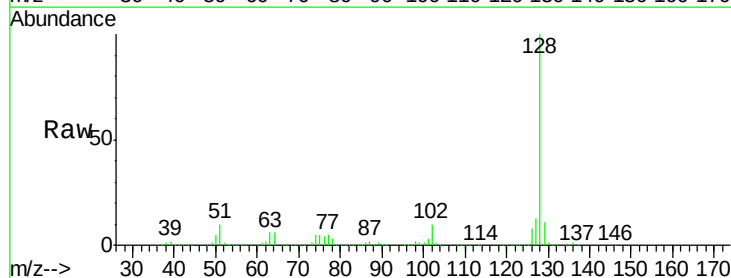


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

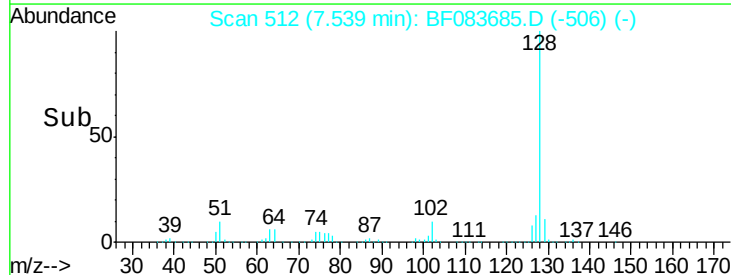
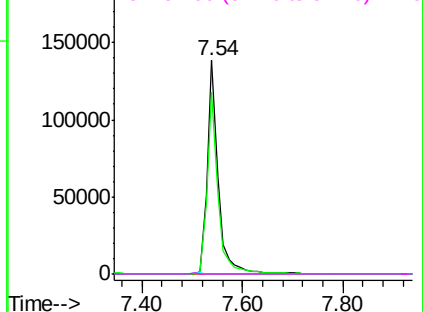


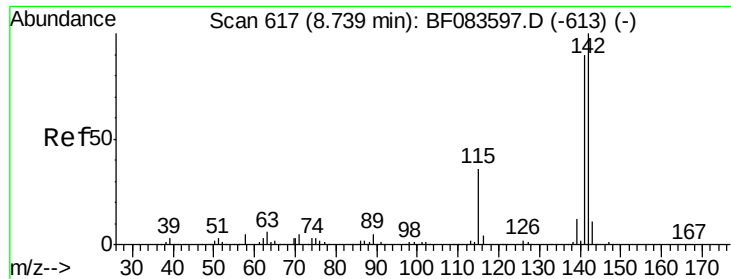
#33
4-Chloroaniline
Concen: 21.39 ng
RT: 7.54 min Scan# 512
Delta R.T. -0.23 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Tgt Ion:127 Resp: 208387
Ion Ratio Lower Upper
127 100
129 85.3 26.1 39.1#
65 0.0 33.5 50.3#
92 0.0 18.6 28.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

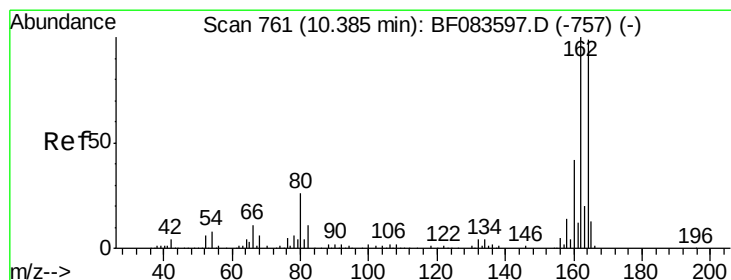
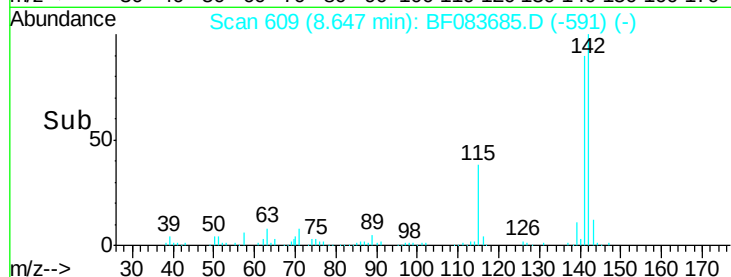
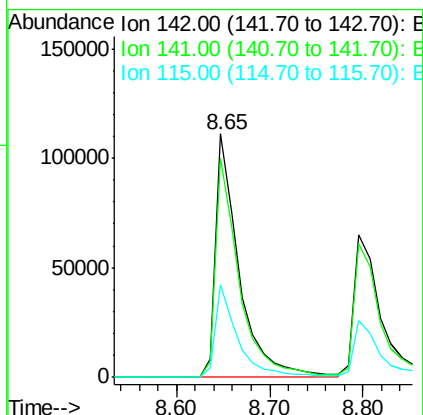
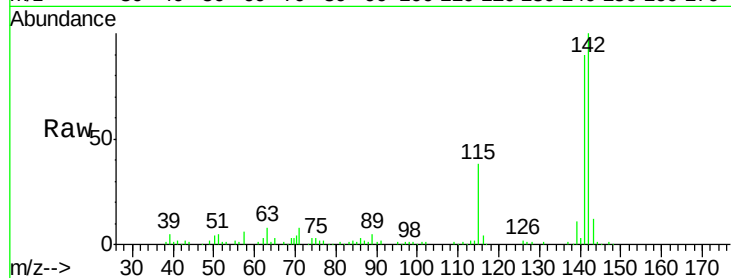




#37
2-Methylnaphthalene
Concen: 11.57 ng
RT: 8.65 min Scan# 609
Delta R.T. -0.09 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

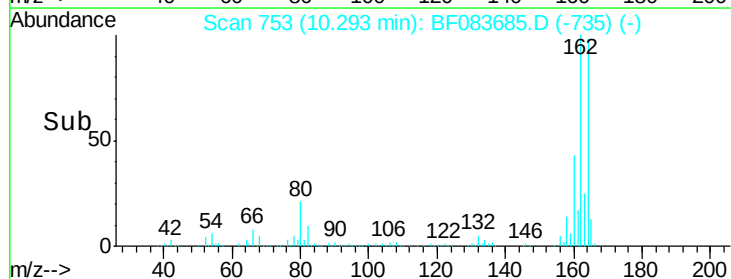
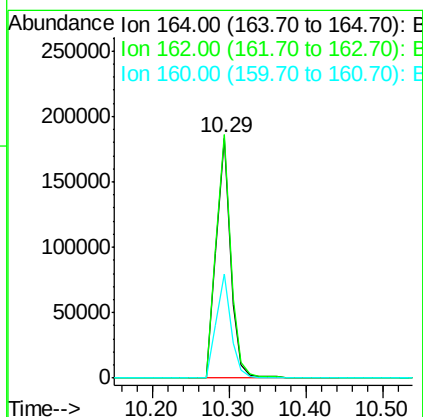
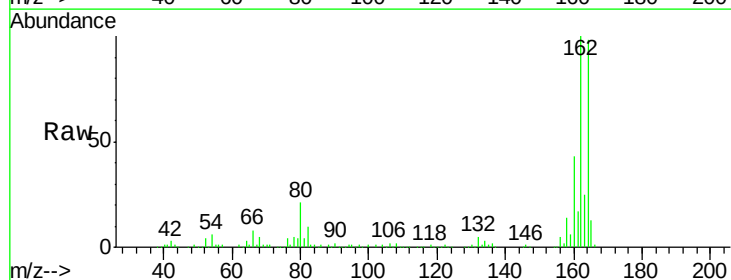
Instrument :
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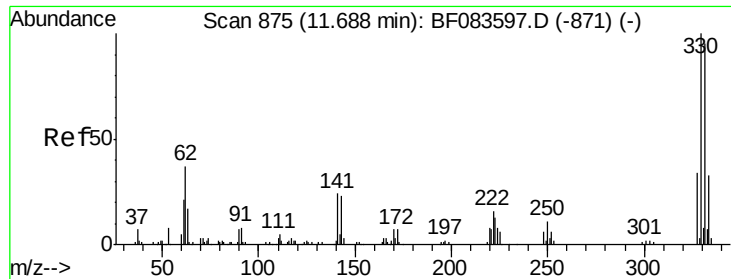
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.3	105.5
115	38.2	29.2	43.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.29 min Scan# 753
Delta R.T. -0.09 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	78.8	118.2
160	43.4	33.4	50.2

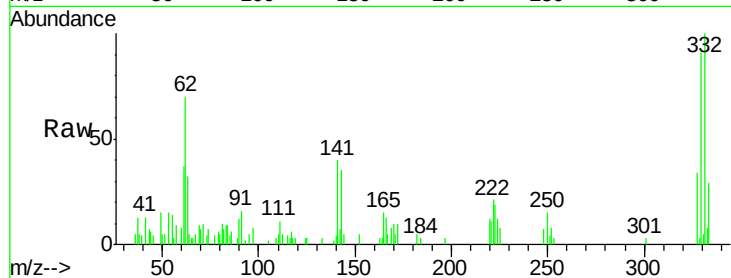




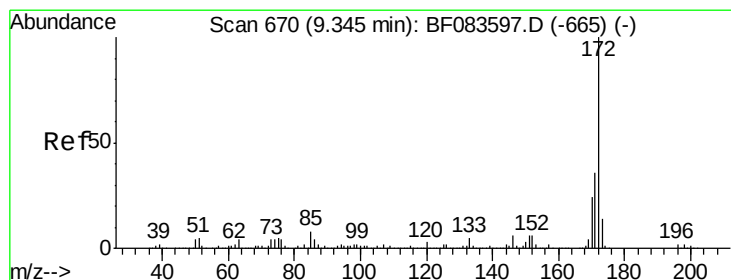
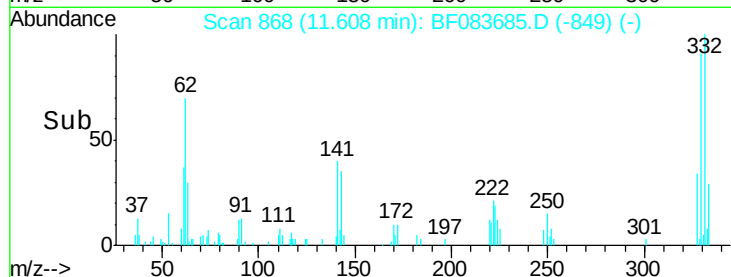
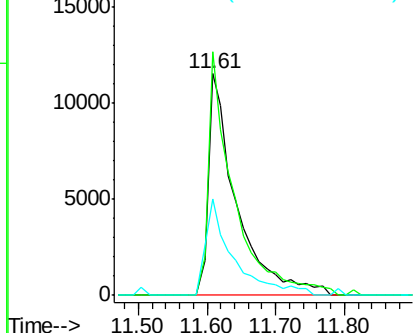
#41
 2,4,6-Tribromophenol
 Concen: 15.26 ng
 RT: 11.61 min Scan# 868
 Delta R.T. -0.08 min
 Lab File: BF083685.D
 Acq: 10 Dec 2015 20:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(8-14)DL

Tgt Ion:330 Resp: 33117
 Ion Ratio Lower Upper
 330 100
 332 99.4 0.0 0.0#
 141 42.7 0.0 0.0#

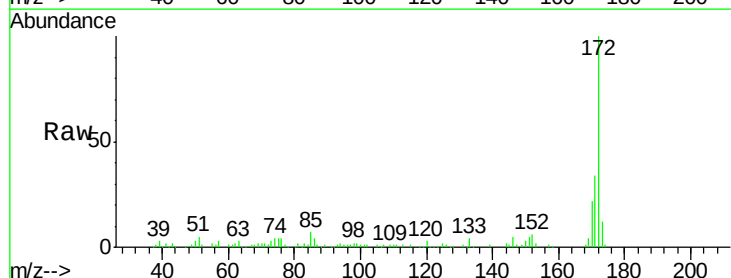


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

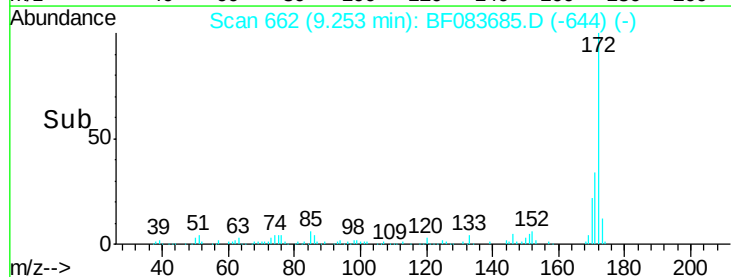
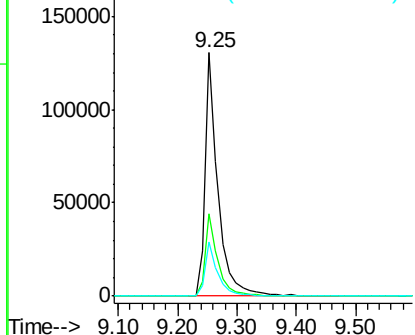


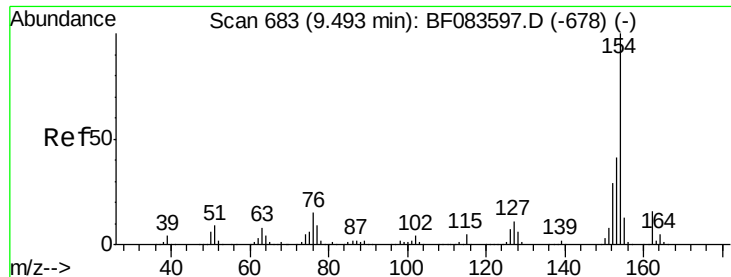
#44
 2-Fluorobiphenyl
 Concen: 11.52 ng
 RT: 9.25 min Scan# 662
 Delta R.T. -0.09 min
 Lab File: BF083685.D
 Acq: 10 Dec 2015 20:01

Tgt Ion:172 Resp: 199402
 Ion Ratio Lower Upper
 172 100
 171 33.9 28.6 42.8
 170 22.1 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: 3.49 ng

RT: 9.41 min Scan# 676

Delta R.T. -0.08 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(8-14)DL

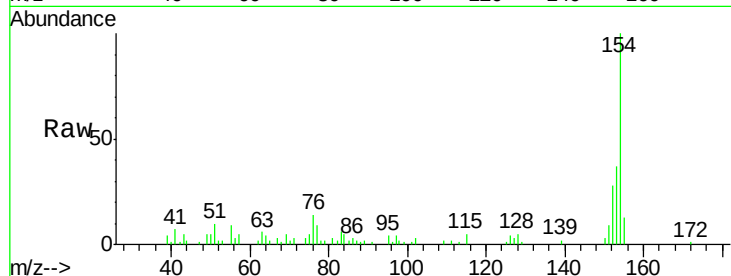
Tgt Ion:154 Resp: 73915

Ion Ratio Lower Upper

154 100

153 37.5 20.2 60.2

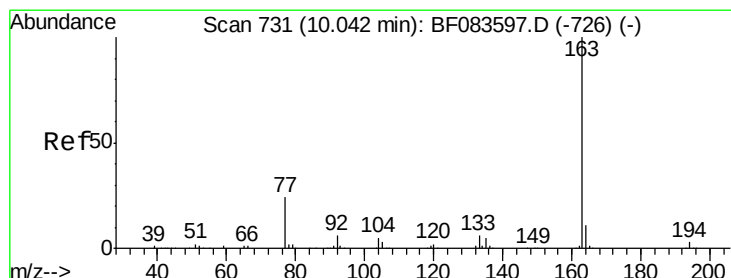
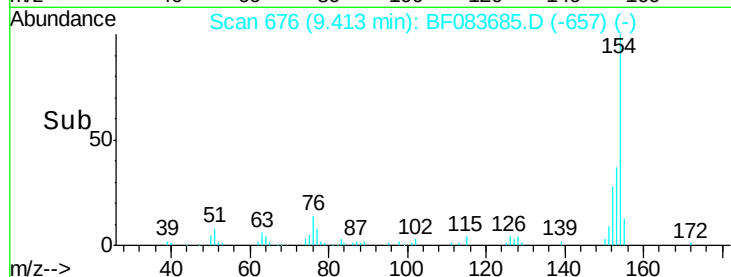
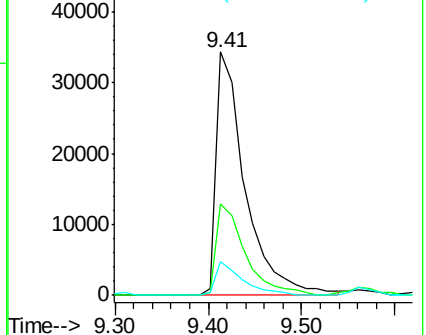
76 13.6 0.0 34.8



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



#49

Dimethylphthalate

Concen: 2.13 ng

RT: 9.96 min Scan# 724

Delta R.T. -0.08 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

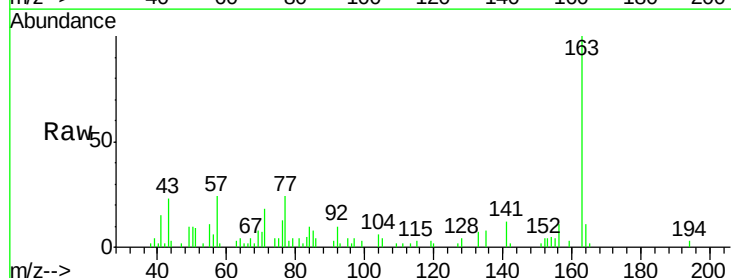
Tgt Ion:163 Resp: 41317

Ion Ratio Lower Upper

163 100

194 2.7 2.8 4.2#

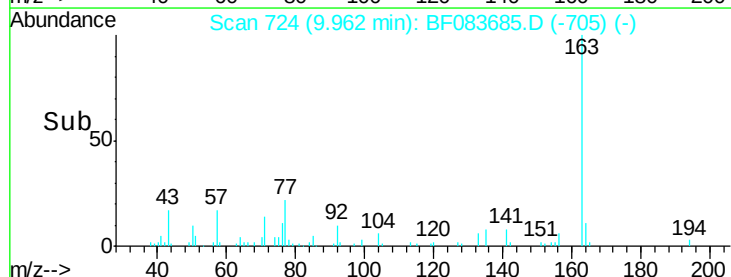
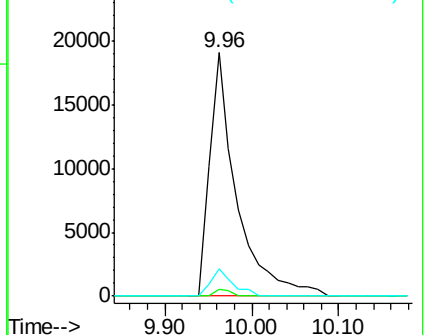
164 11.2 8.6 13.0

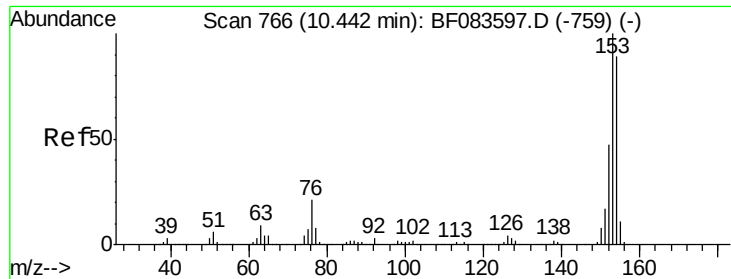


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 15.44 ng

RT: 10.34 min Scan# 757

Delta R.T. -0.10 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(8-14)DL

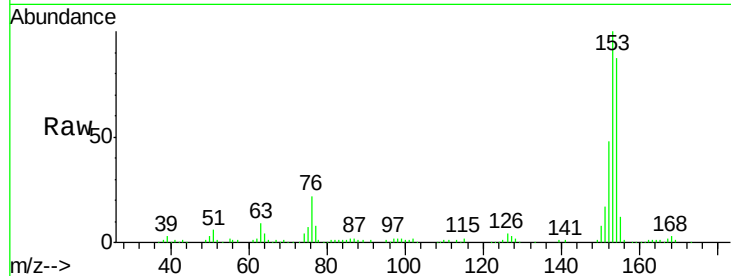
Tgt Ion:154 Resp: 232973

Ion Ratio Lower Upper

154 100

153 114.4 91.4 137.0

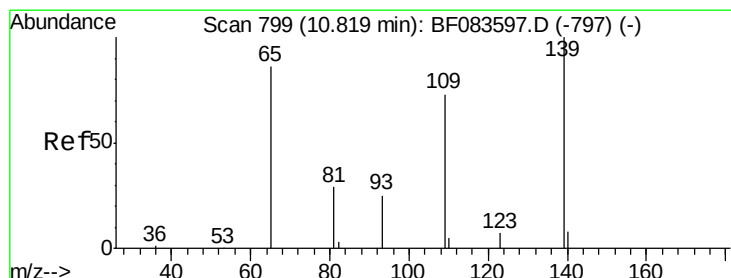
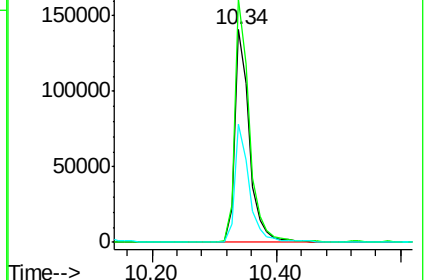
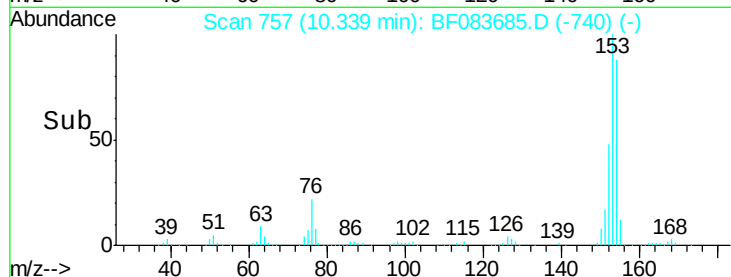
152 55.4 43.4 65.2



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



#55

4-Nitrophenol

Concen: 4.26 ng

RT: 10.68 min Scan# 787

Delta R.T. -0.14 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

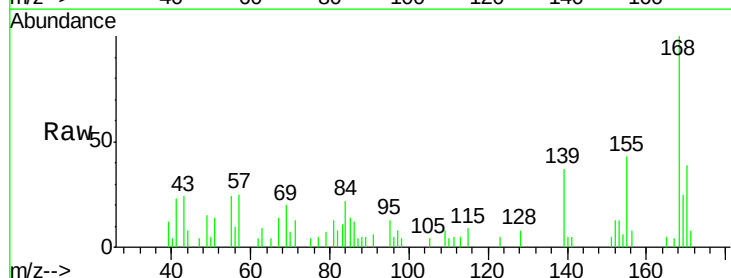
Tgt Ion:139 Resp: 7984

Ion Ratio Lower Upper

139 100

109 22.8 42.0 82.0#

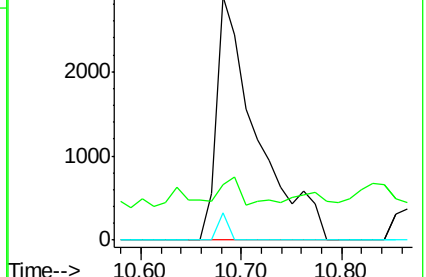
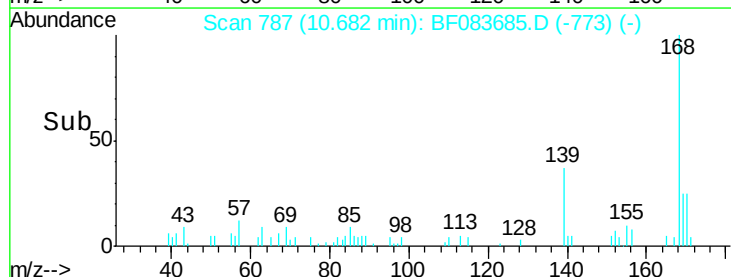
65 11.3 89.2 129.2#

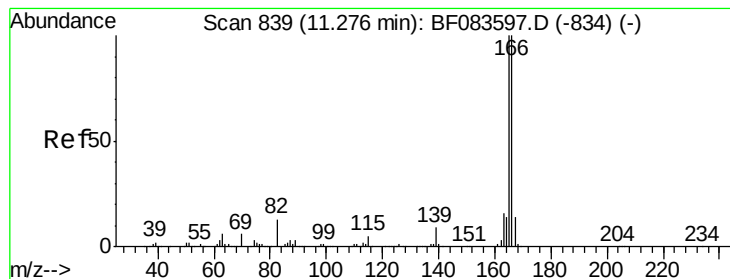


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 6.35 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.08 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(8-14)DL

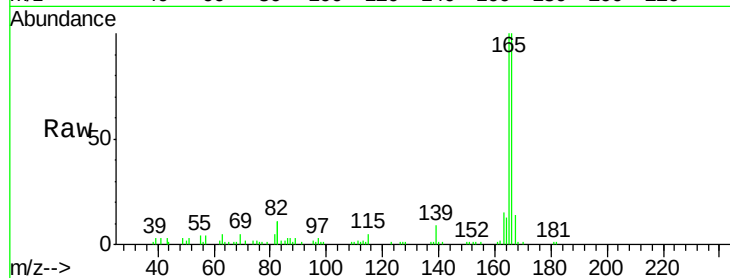
Tgt Ion:166 Resp: 115984

Ion Ratio Lower Upper

166 100

165 99.9 80.0 120.0

167 13.6 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

80000

60000

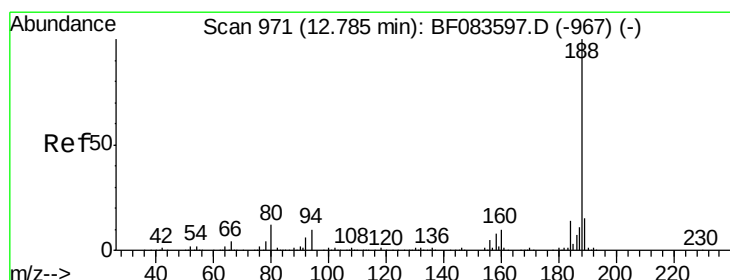
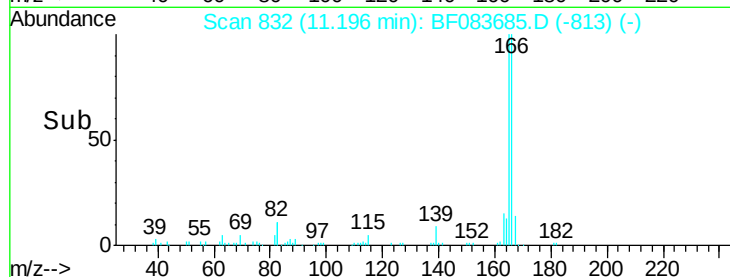
40000

20000

0

11.10 11.20 11.30 11.40

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.69 min Scan# 963

Delta R.T. -0.09 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

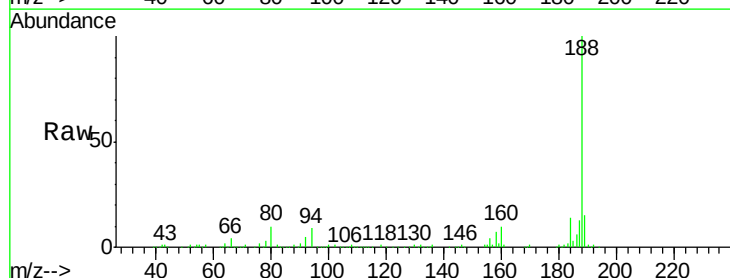
Tgt Ion:188 Resp: 454009

Ion Ratio Lower Upper

188 100

94 9.2 9.4 14.2#

80 10.2 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

400000

300000

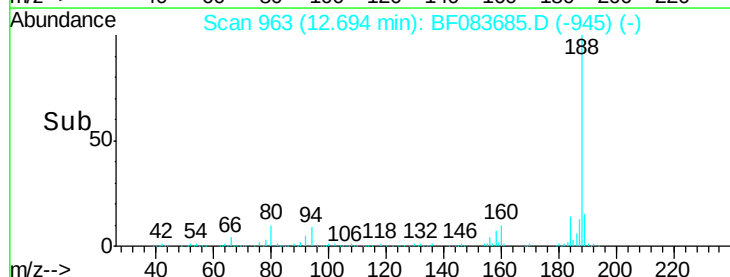
200000

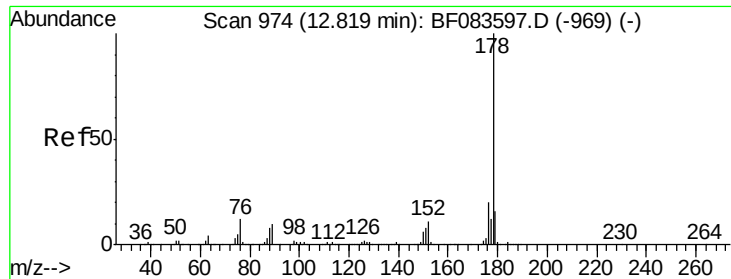
100000

0

12.60 12.70 12.80

Time-->





#70

Phenanthrene

Concen: 24.99 ng

RT: 12.73 min Scan# 966

Delta R.T. -0.09 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(8-14)DL

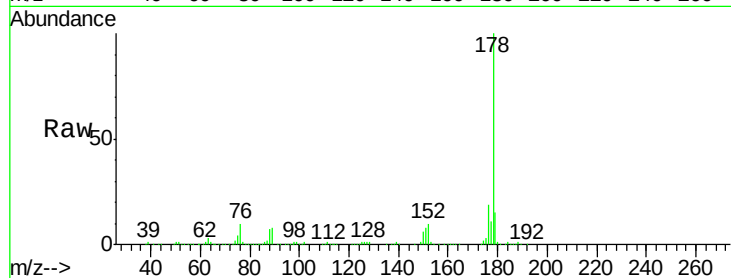
Tgt Ion:178 Resp: 651897

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

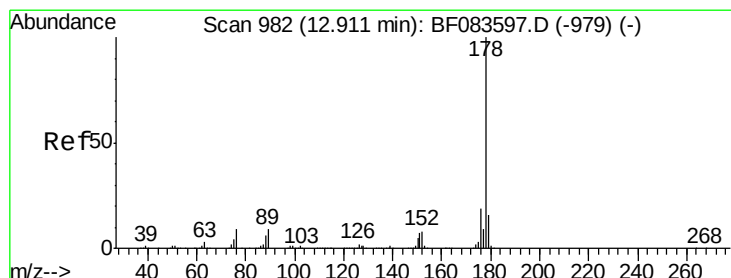
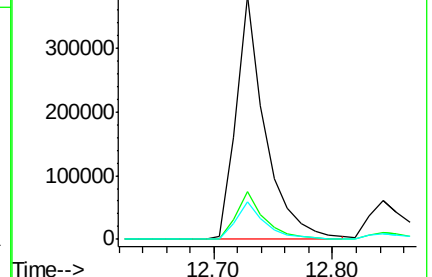
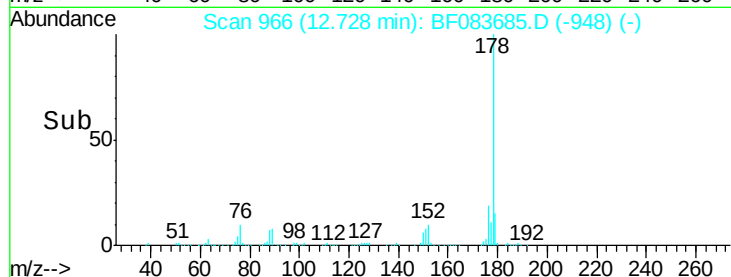
179 15.3 12.2 18.4



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: 5.72 ng

RT: 12.84 min Scan# 976

Delta R.T. -0.07 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

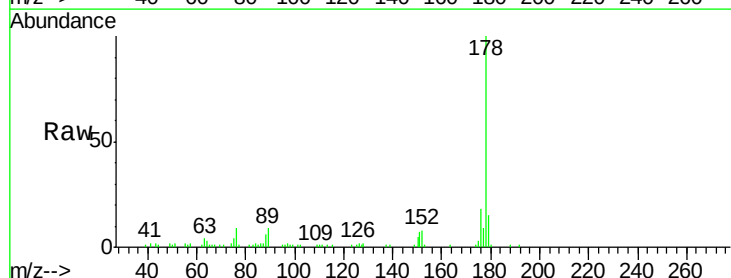
Tgt Ion:178 Resp: 154667

Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

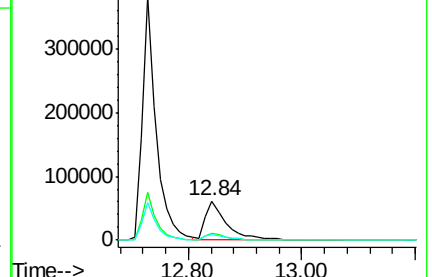
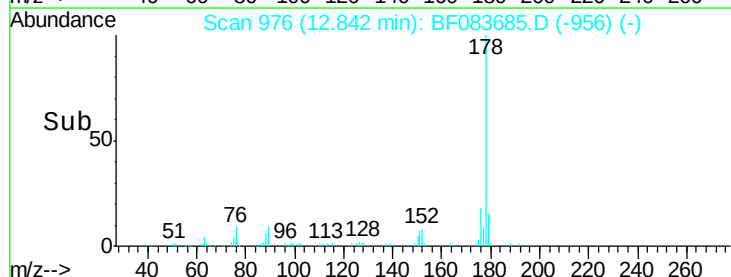
179 14.7 12.6 18.8

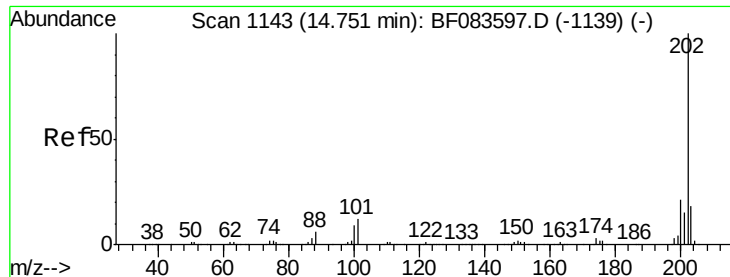


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

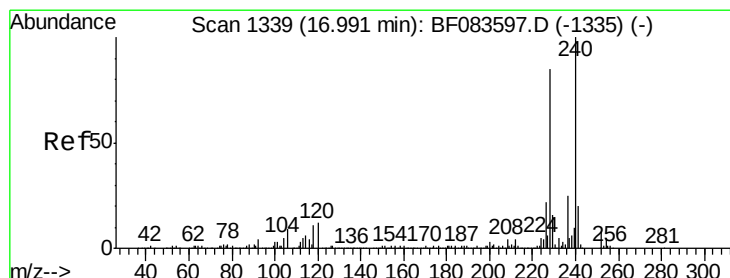
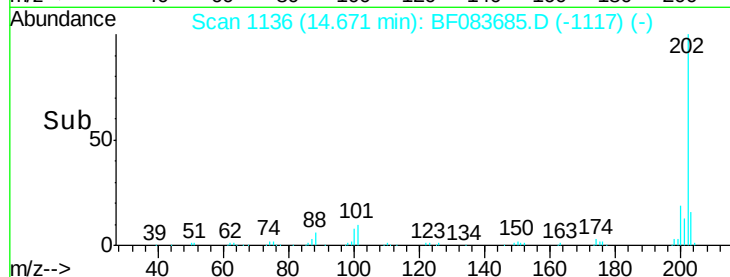
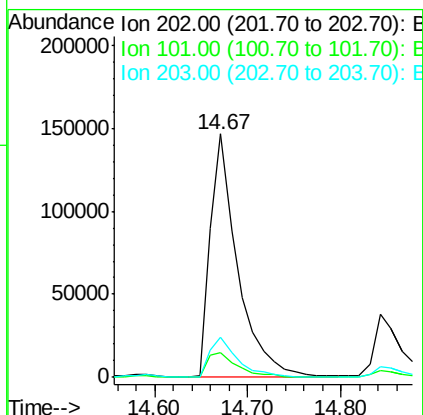
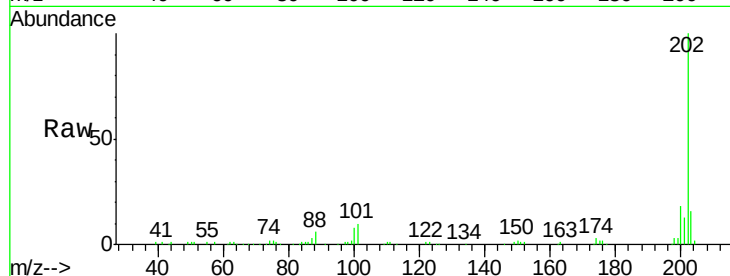




#74
Fluoranthene
Concen: 11.28 ng
RT: 14.67 min Scan# 1136
Delta R.T. -0.08 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

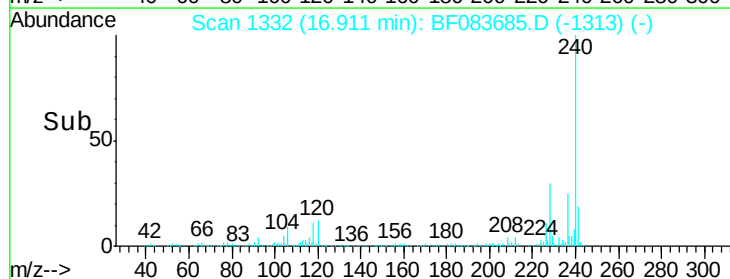
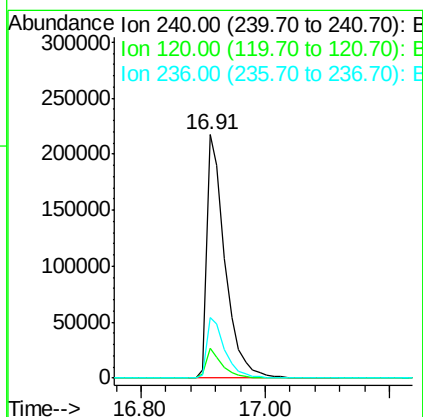
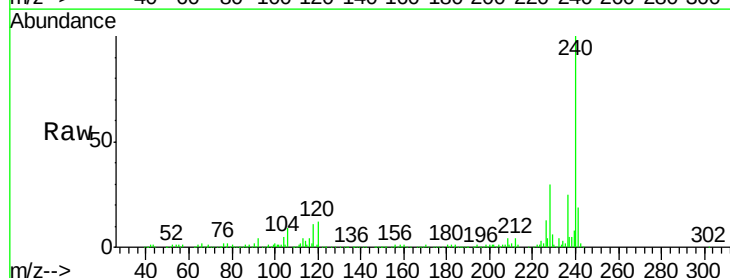
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

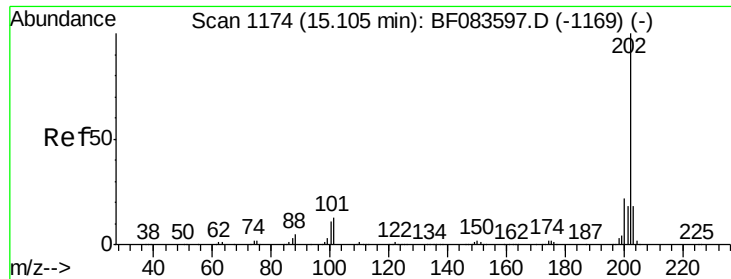
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	301126		
101	10.3		0.0	31.5
203	16.3		0.0	37.6



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.91 min Scan# 1332
Delta R.T. -0.08 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	437069		
120	12.3		8.1	12.1#
236	25.0		20.8	31.2

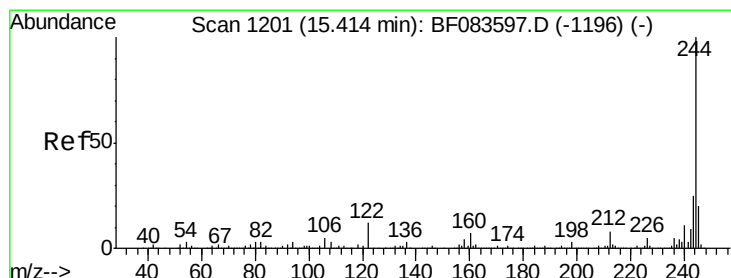
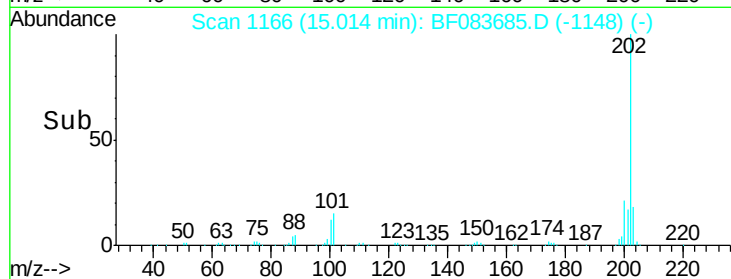
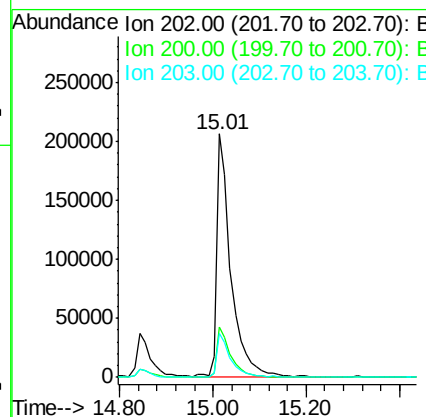
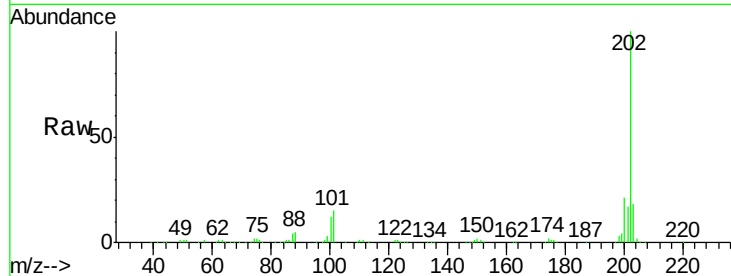




#77
 Pyrene
 Concen: 13.72 ng
 RT: 15.01 min Scan# 1166
 Delta R.T. -0.09 min
 Lab File: BF083685.D
 Acq: 10 Dec 2015 20:01

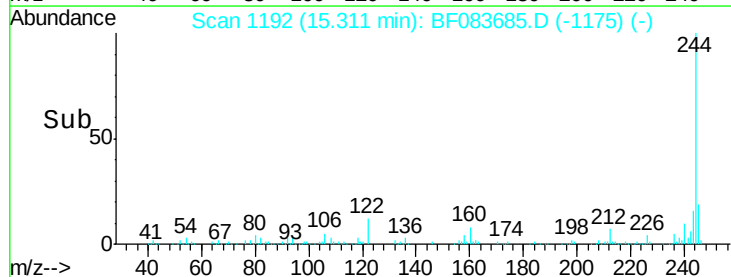
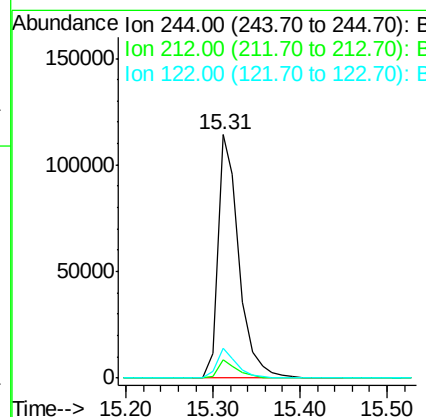
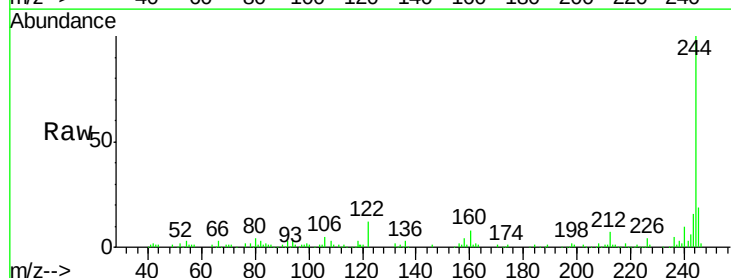
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-08(8-14)DL

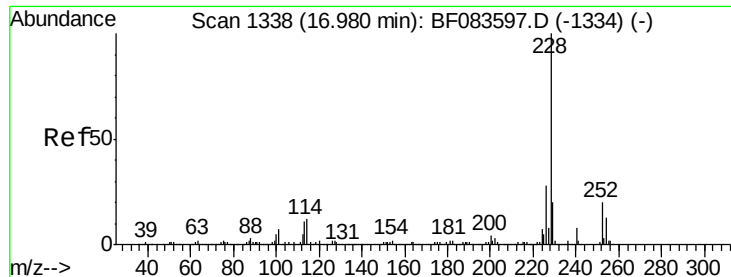
Tgt Ion: 202 Resp: 431821
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 18.3 14.3 21.5



#78
 Terphenyl-d14
 Concen: 10.36 ng
 RT: 15.31 min Scan# 1192
 Delta R.T. -0.10 min
 Lab File: BF083685.D
 Acq: 10 Dec 2015 20:01

Tgt Ion: 244 Resp: 192449
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 12.4 11.0 16.6





#80

Benzo(a)anthracene

Concen: 3.89 ng

RT: 16.98 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(8-14)DL

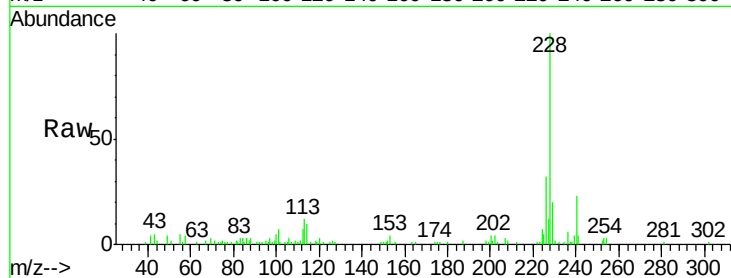
Tgt Ion:228 Resp: 99393

Ion Ratio Lower Upper

228 100

226 32.2 22.3 33.5

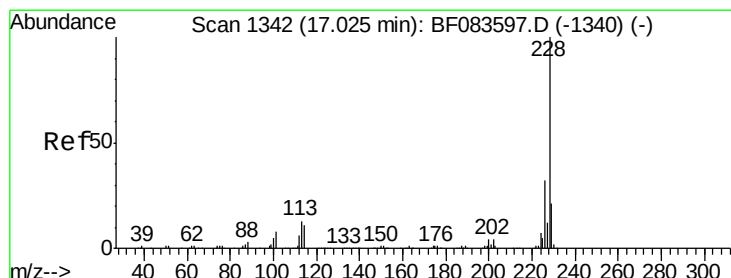
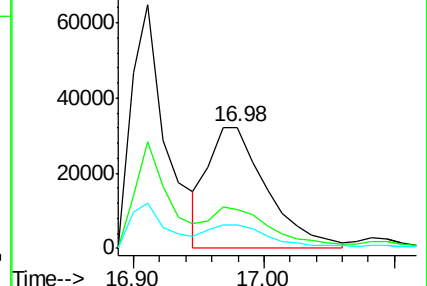
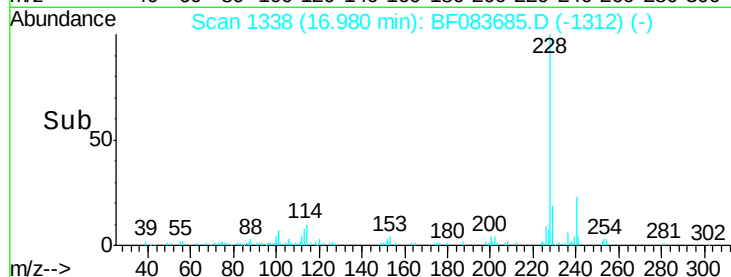
229 19.6 15.7 23.5



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



#82

Chrysene

Concen: 3.88 ng

RT: 16.98 min Scan# 1338

Delta R.T. -0.05 min

Lab File: BF083685.D

Acq: 10 Dec 2015 20:01

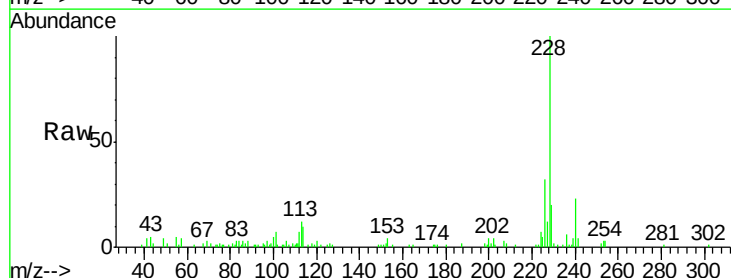
Tgt Ion:228 Resp: 99393

Ion Ratio Lower Upper

228 100

226 32.2 24.7 37.1

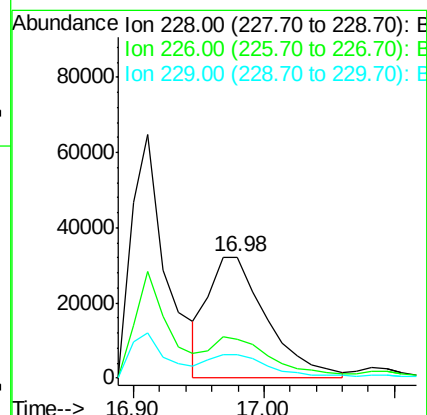
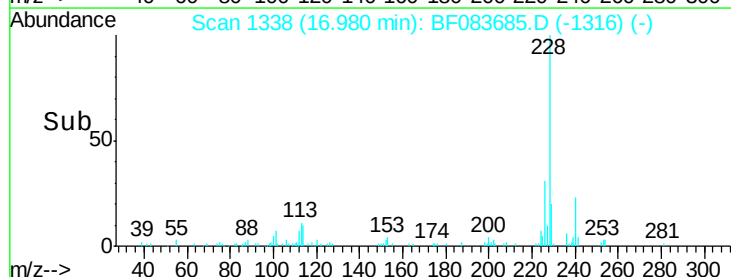
229 19.6 16.3 24.5

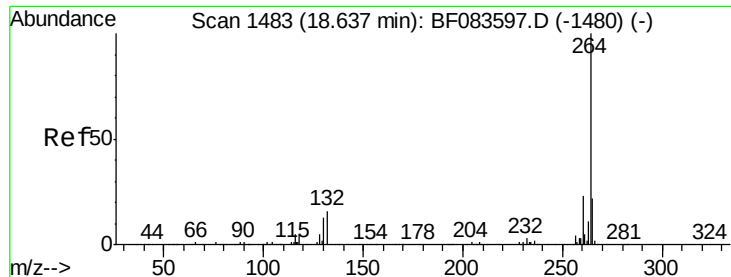


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

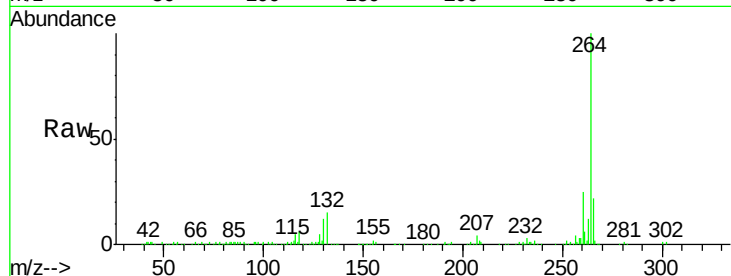




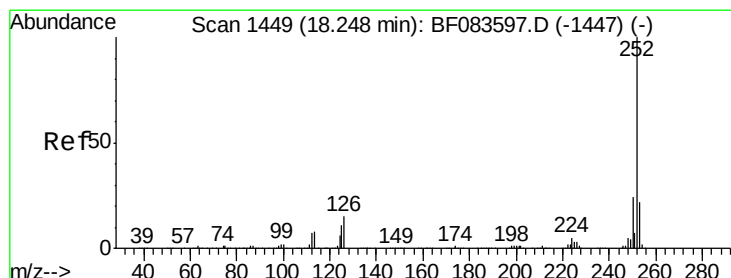
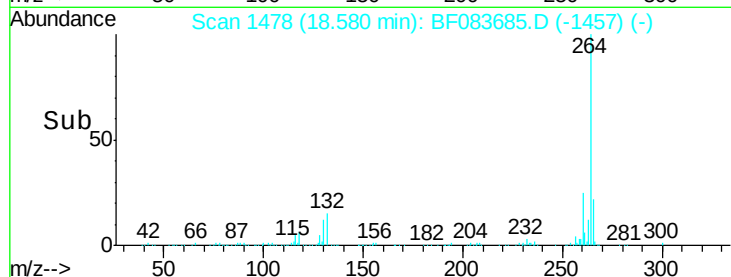
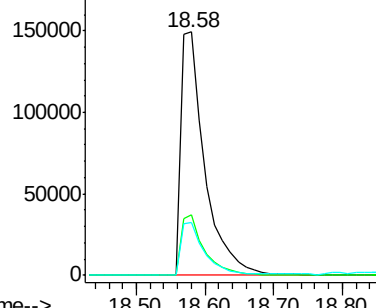
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.58 min Scan# 1478
Delta R.T. -0.06 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

Tgt Ion: 264 Resp: 368784
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.0
265 21.5 17.8 26.6

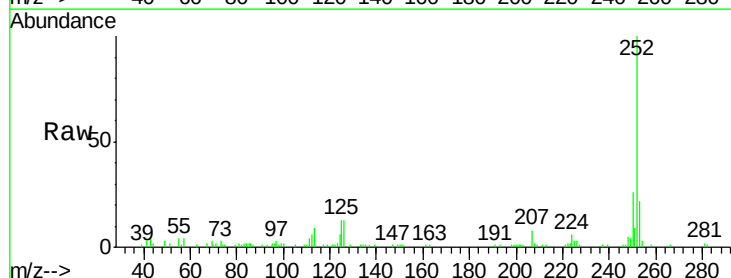


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

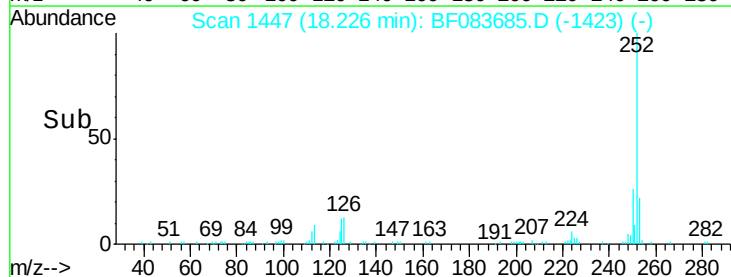
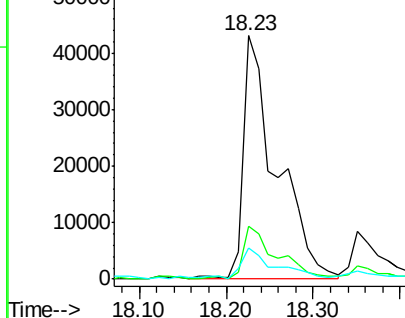


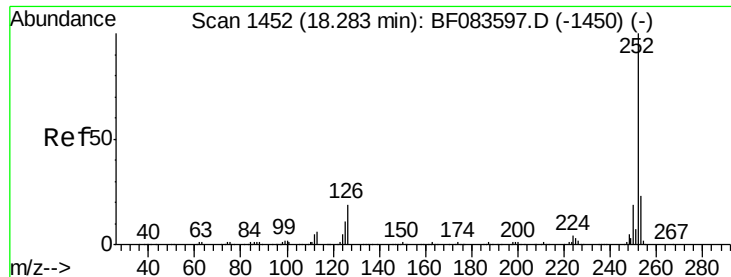
#87
Benzo(b)fluoranthene
Concen: 5.44 ng
RT: 18.23 min Scan# 1447
Delta R.T. -0.02 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Tgt Ion: 252 Resp: 114175
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.4
125 12.9 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

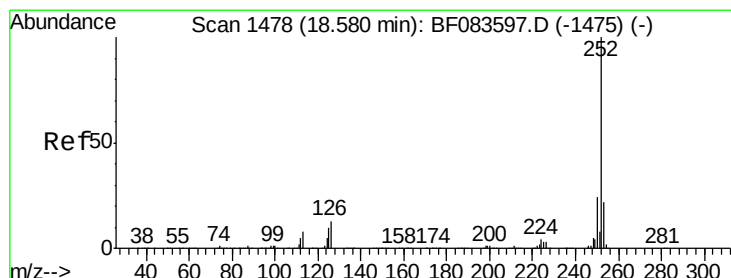
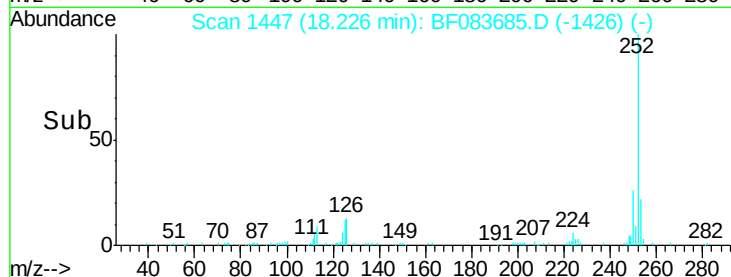
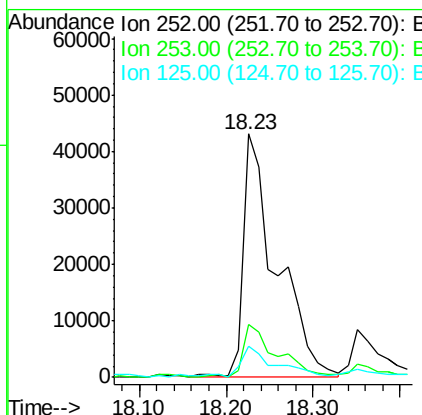
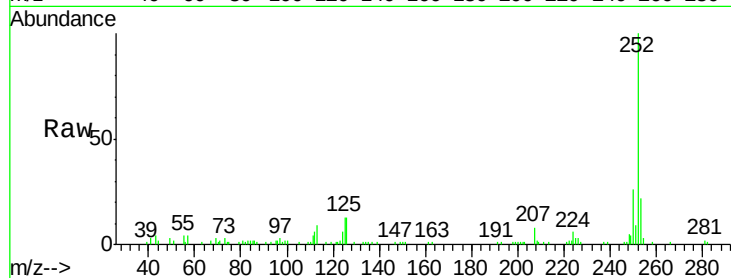




#88
Benzo(k)fluoranthene
Concen: 4.93 ng
RT: 18.23 min Scan# 1447
Delta R.T. -0.06 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

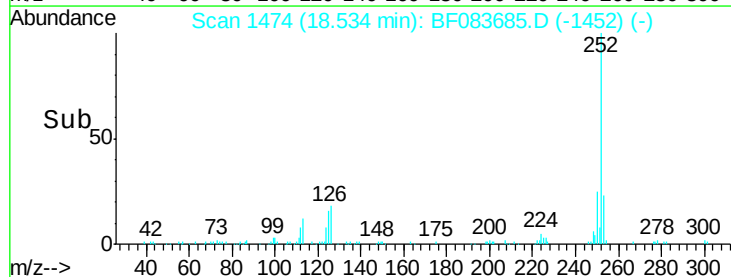
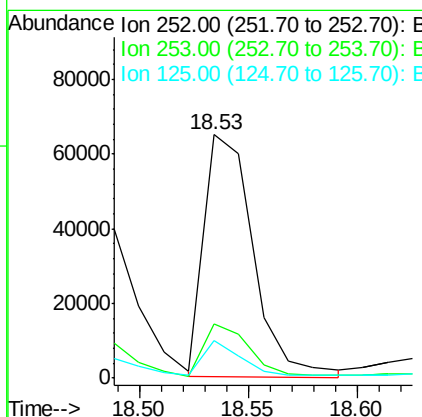
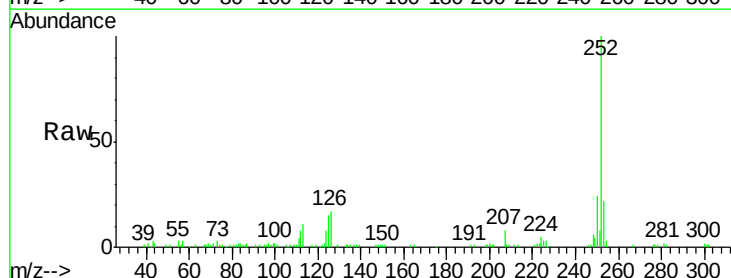
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)DL

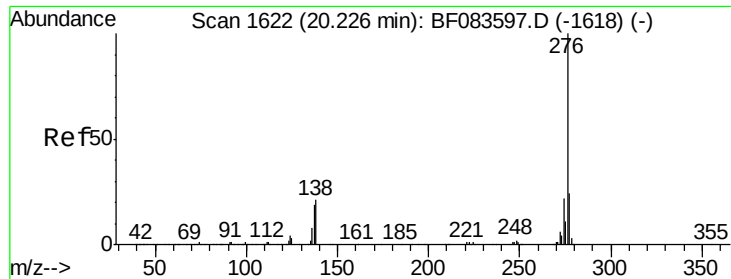
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.6	27.8
125	12.9	11.5	17.3



#89
Benzo(a)pyrene
Concen: 5.00 ng
RT: 18.53 min Scan# 1474
Delta R.T. -0.05 min
Lab File: BF083685.D
Acq: 10 Dec 2015 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.3	11.0	16.6





#91

Benzo(g,h,i)perylene

Concen: 2.42 ng

RT: 20.26 min Scan# 1625

Delta R.T. 0.03 min

Lab File: BF083685.D

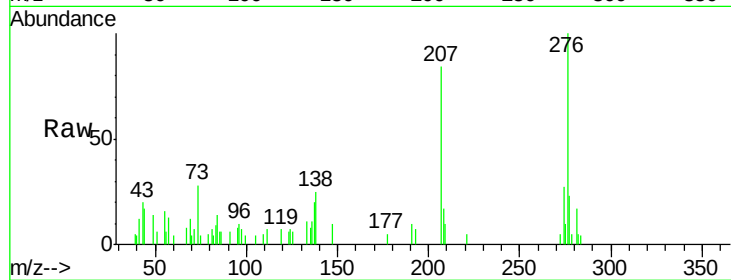
Acq: 10 Dec 2015 20:01

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-08(8-14)DL



Tgt Ion:	276	Resp:	36939
Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.2	28.8
138	25.2	19.5	29.3

