

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\
 Data File : BF103958.D
 Acq On : 27 Mar 2018 6:49
 Operator : JU/SJ
 Sample : J1996-03DL 100X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB43_S_4DL

Quant Time: Mar 27 08:53:24 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	115842	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	472298	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	209854	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	333812	20.00	ng	0.00
75) Chrysene-d12	14.16	240	232444	20.00	ng	0.00
86) Perylene-d12	15.70	264	218585	20.00	ng	0.00

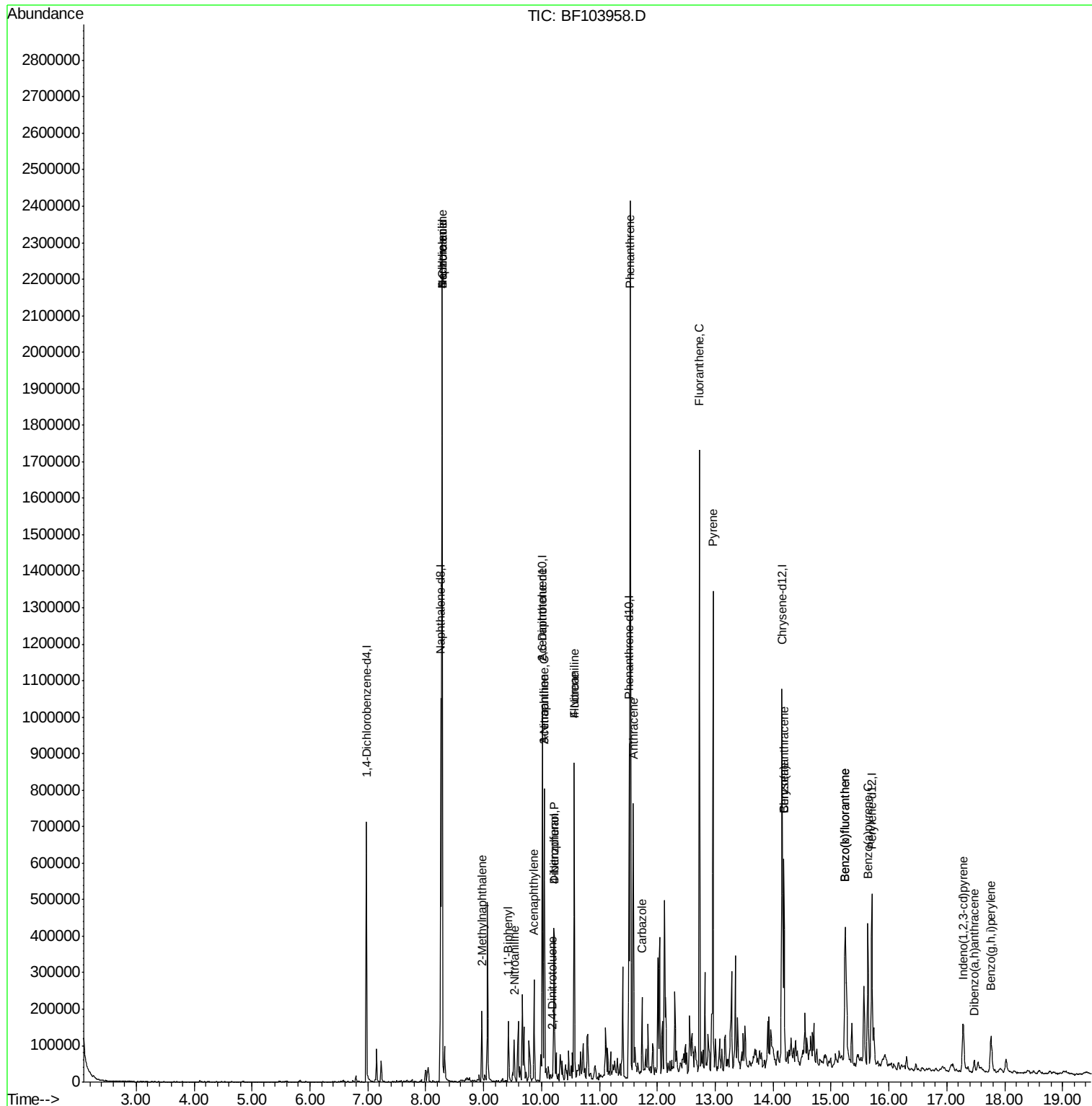
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	944	0.12	ng	0.00
7) Phenol-d6	6.59	99	1381	0.15	ng	-0.01
23) Nitrobenzene-d5	7.53	82	923	0.14	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	237	0.13	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	2981	0.23	ng	0.00
78) Terphenyl-d14	13.09	244	3251	0.32	ng	-0.01

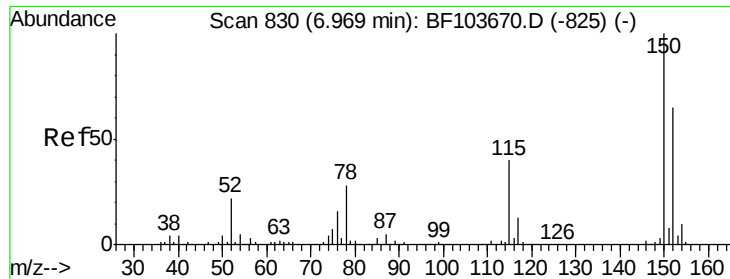
Target Compounds				Qvalue		
31) Naphthalene	8.28	128	998814	41.86	ng	99
32) Benzoic acid	8.28	122	2363	10.30	ng	# 1
33) 4-Chloroaniline	8.28	127	131075	13.10	ng	# 33
37) 2-Methylnaphthalene	8.97	142	53005	3.50	ng	99
45) 1,1'-Biphenyl	9.43	154	57276	3.27	ng	96
47) 2-Nitroaniline	9.53	65	348	6.90	ng	# 2
48) Acenaphthylene	9.87	152	94088	4.37	ng	97
50) 2,6-Dinitrotoluene	10.02	165	30395	12.98	ng	# 26
51) Acenaphthene	10.05	154	152502	11.92	ng	99
52) 3-Nitroaniline	10.05	138	110	3.84	ng	# 2
54) Dibenzofuran	10.22	168	171195	9.37	ng	96
55) 4-Nitrophenol	10.22	139	63417	25.26	ng	# 10
56) 2,4-Dinitrotoluene	10.19	165	1216	6.48	ng	# 78
57) Fluorene	10.56	166	237182	16.72	ng	100
61) 4-Nitroaniline	10.56	138	2496	4.39	ng	# 19
70) Phenanthrene	11.53	178	908055	49.73	ng	99
71) Anthracene	11.59	178	276416	14.90	ng	99
72) Carbazole	11.74	167	82114	4.56	ng	98
74) Fluoranthene	12.73	202	626287	33.29	ng	99
77) Pyrene	12.96	202	556815	32.62	ng	100
80) Benzo(a)anthracene	14.19	228	194593	13.23	ng	96
82) Chrysene	14.19	228	194593	13.87	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	87083	7.11	ng	93
87) Benzo(b)fluoranthene	15.24	252	293842	21.28	ng	98
88) Benzo(k)fluoranthene	15.24	252	293842	22.14	ng	98
89) Benzo(a)pyrene	15.64	252	180282	14.39	ng	97
90) Dibenzo(a,h)anthracene	17.47	278	24164	2.23	ng	95
91) Benzo(g,h,i)perylene	17.76	276	83427	7.91	ng	97

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

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032618\  
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Acq On    : 27 Mar 2018    6:49  
Operator  : JU/SJ  
Sample    : J1996-03DL 100X  
Misc      :  
ALS Vial  : 29    Sample Multiplier: 1
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.00 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2_SB43_S_4DL

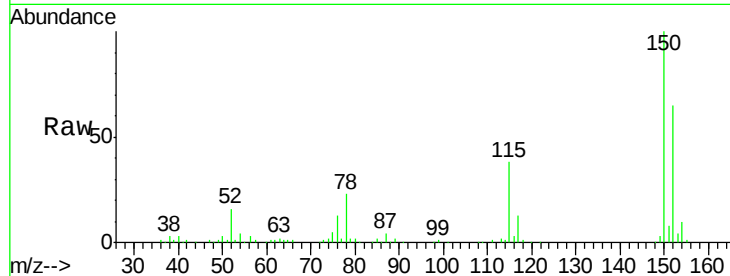
Tgt Ion:152 Resp: 115842

Ion Ratio Lower Upper

152 100

150 154.8 124.6 186.8

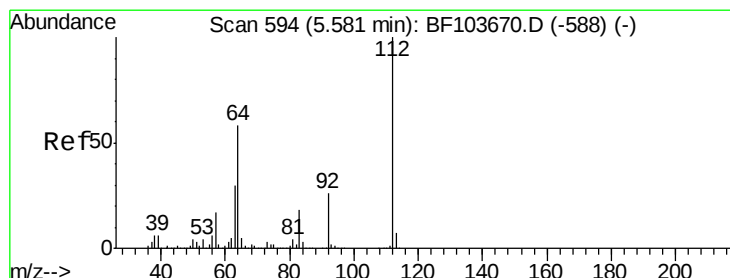
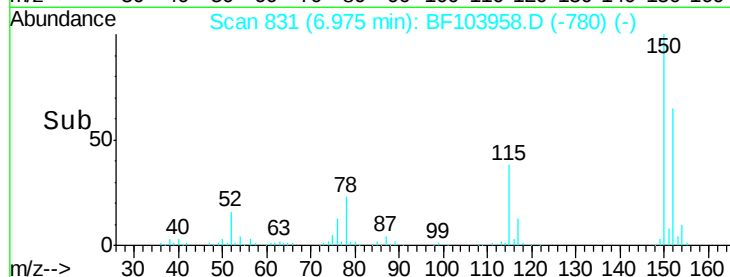
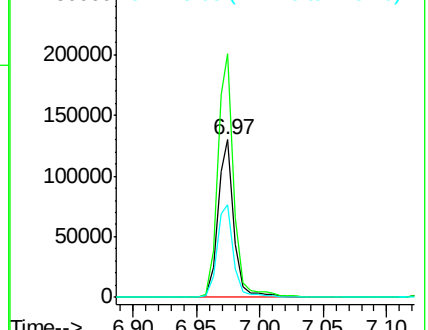
115 59.1 50.1 75.1



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: 0.12 ng

RT: 5.59 min Scan# 596

Delta R.T. -0.00 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

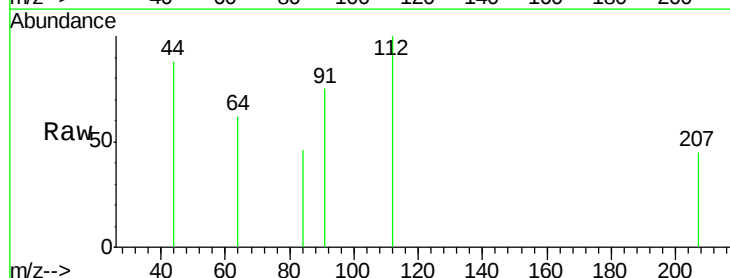
Tgt Ion:112 Resp: 944

Ion Ratio Lower Upper

112 100

64 61.6 47.9 71.9

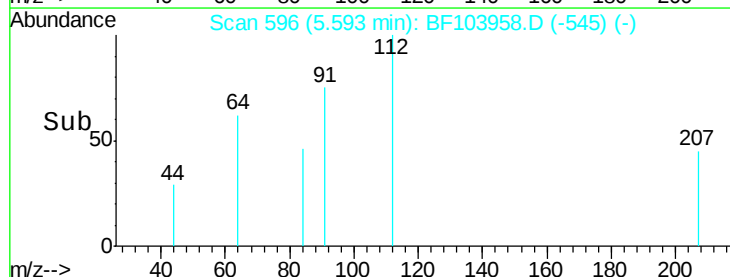
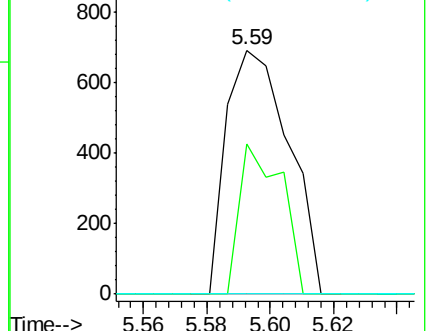
63 0.0 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.15 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2_SB43_S_4DL

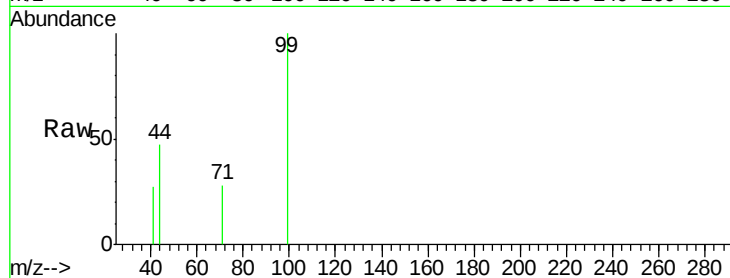
Tgt Ion: 99 Resp: 1381

Ion Ratio Lower Upper

99 100

42 0.0 14.5 21.7#

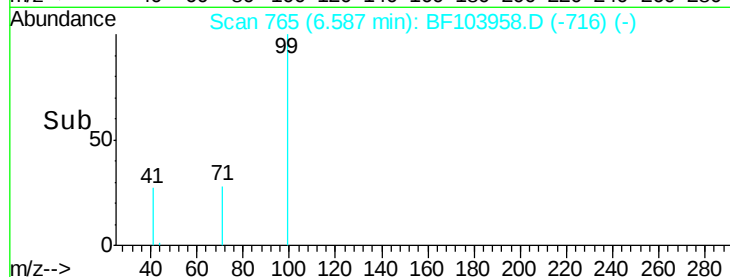
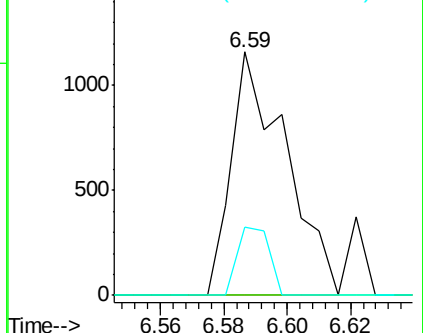
71 27.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Tgt Ion: 136 Resp: 472298

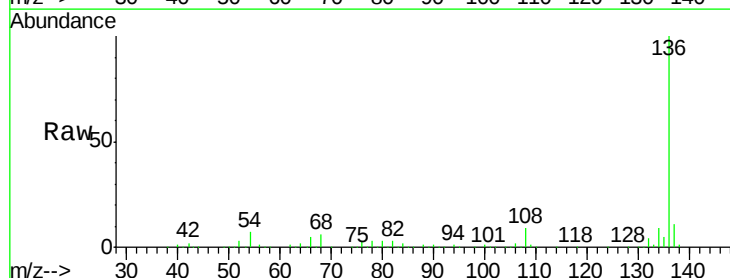
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.8 6.6 9.8

68 5.9 5.0 7.4

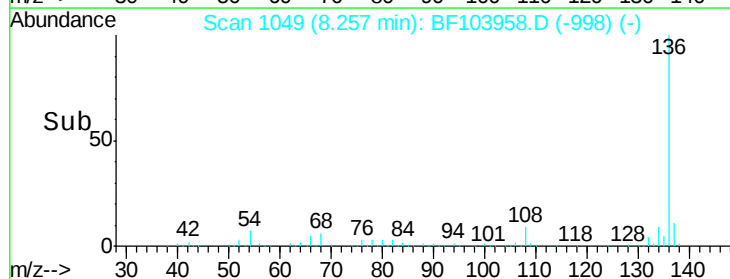
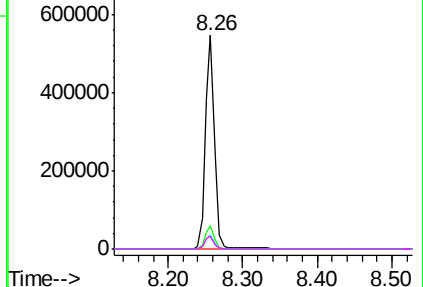


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

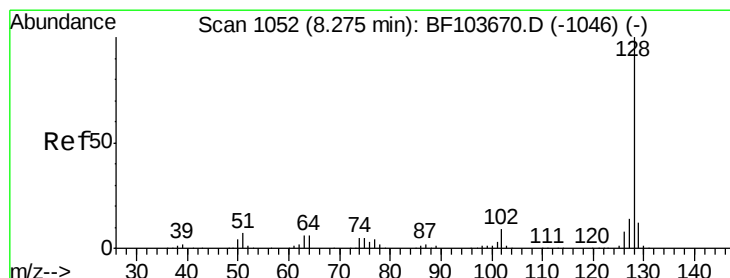
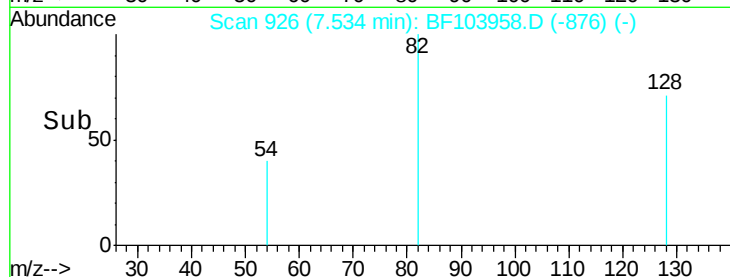
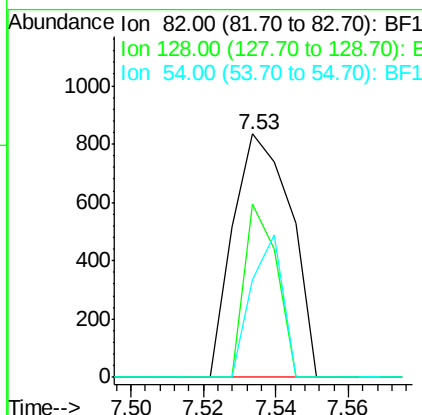
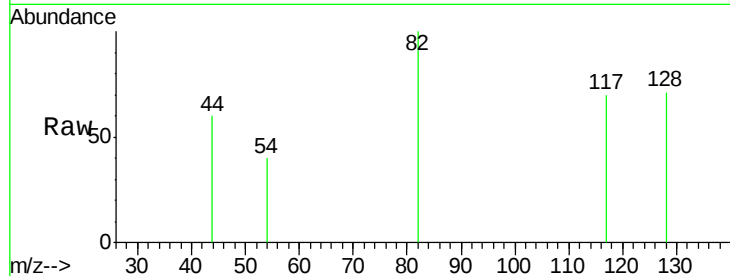




#23
Nitrobenzene-d5
Concen: 0.14 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

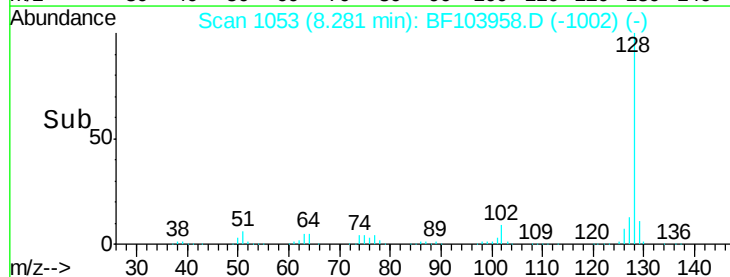
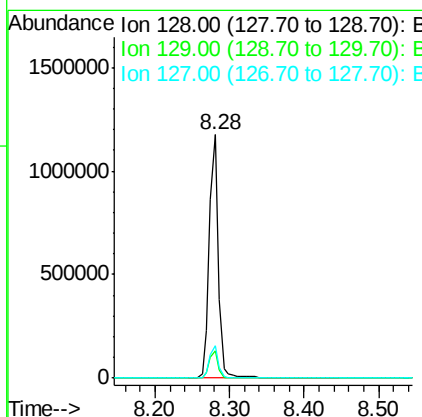
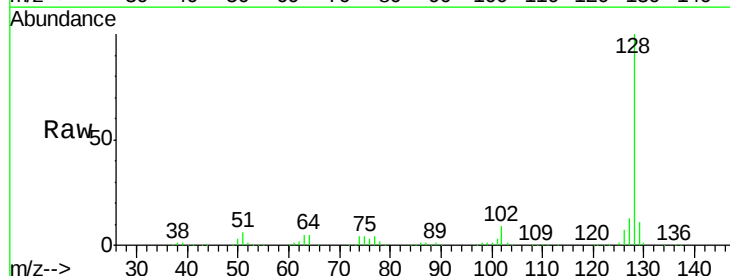
Instrument :
BNA_F
ClientSampleId :
A2_SB43_S_4DL

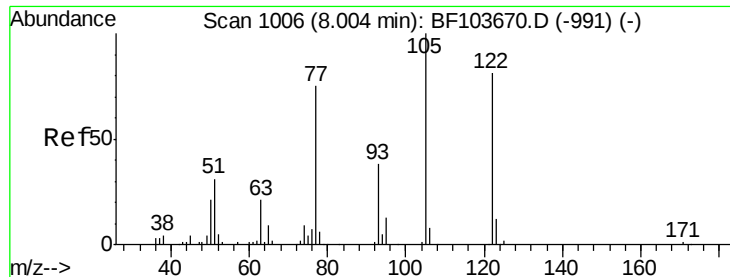
Tgt Ion: 82 Resp: 923
Ion Ratio Lower Upper
82 100
128 71.3 36.1 54.1#
54 40.4 41.4 62.2#



#31
Naphthalene
Concen: 41.86 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

Tgt Ion: 128 Resp: 998814
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.5 10.9 16.3

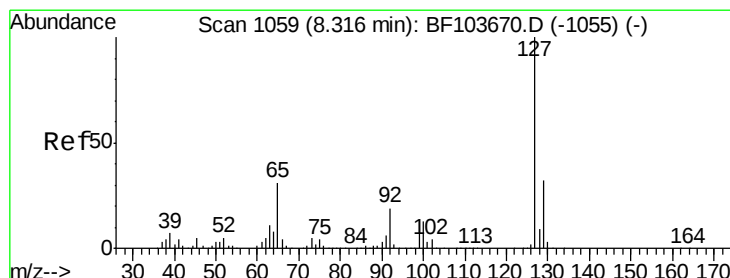
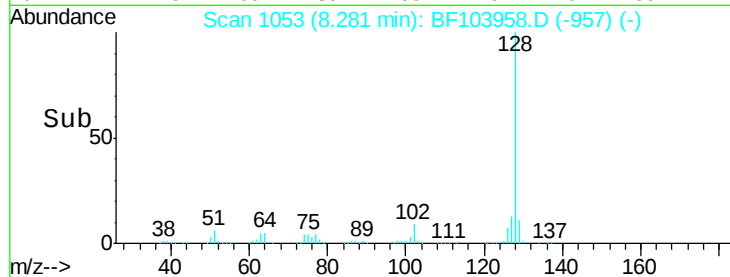
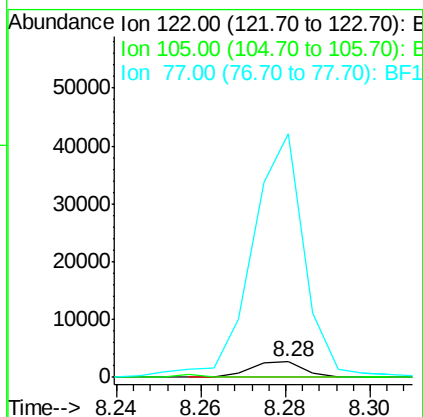
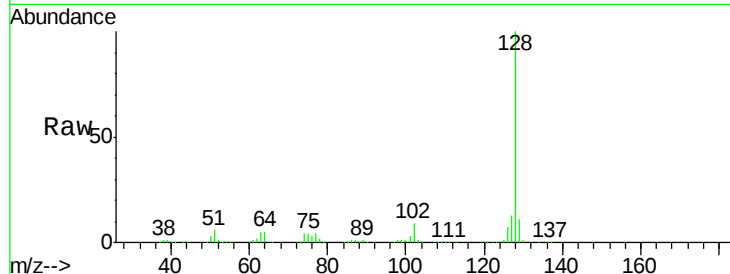




#32
Benzoic acid
Concen: 10.30 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.26 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

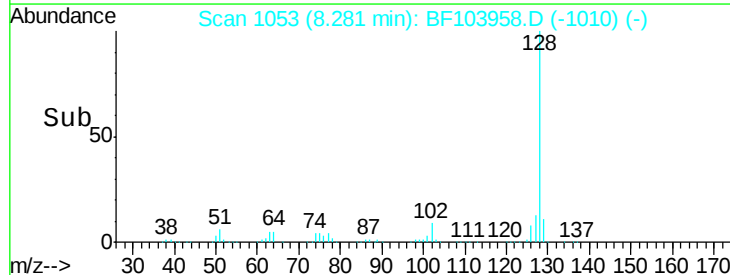
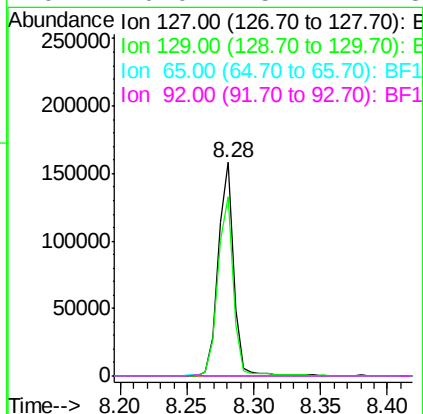
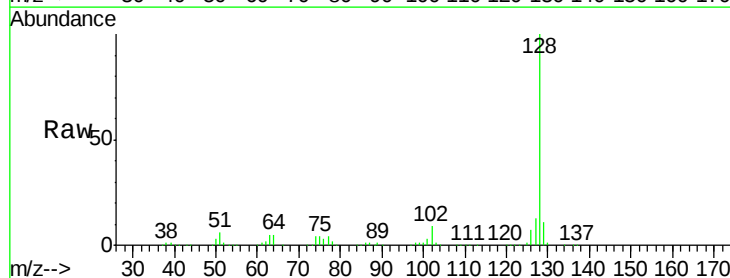
Instrument :
BNA_F
ClientSampleId :
A2_SB43_S_4DL

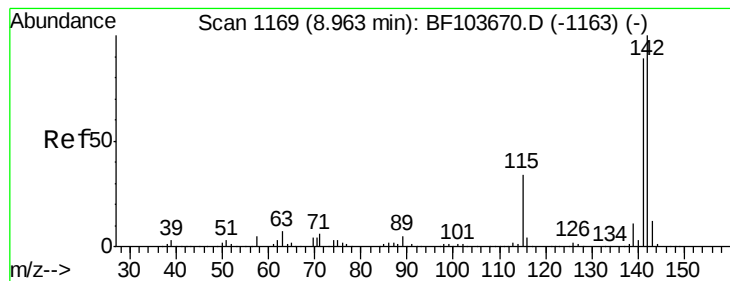
Tgt Ion:122 Resp: 2363
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 1562.9 70.7 110.7#



#33
4-Chloroaniline
Concen: 13.10 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

Tgt Ion:127 Resp: 131075
Ion Ratio Lower Upper
127 100
129 83.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 3.50 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2_SB43_S_4DL

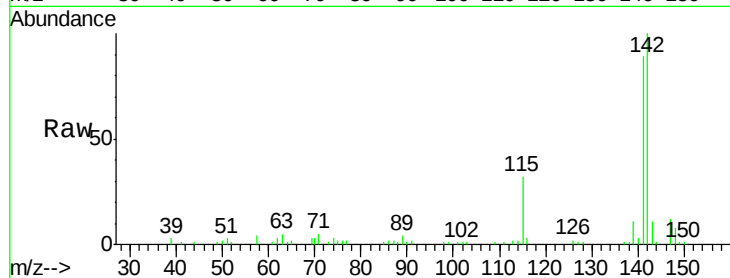
Tgt Ion:142 Resp: 53005

Ion Ratio Lower Upper

142 100

141 89.2 70.8 106.2

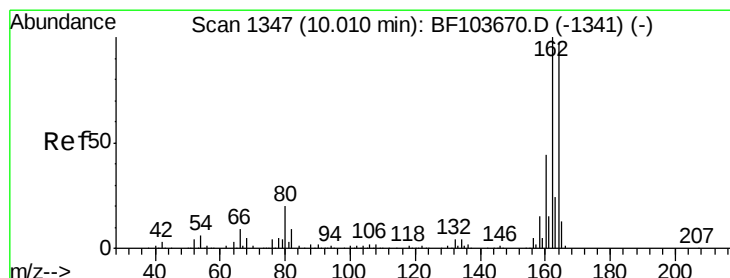
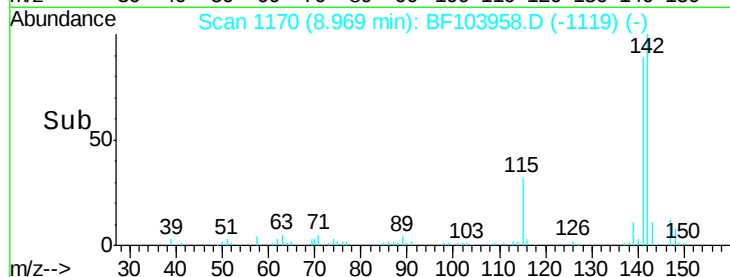
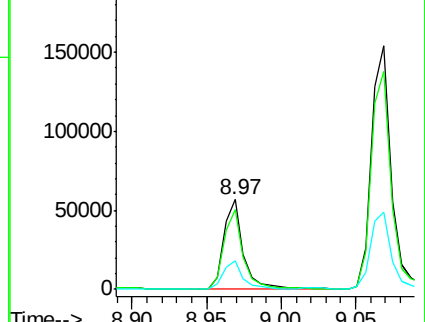
115 31.9 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

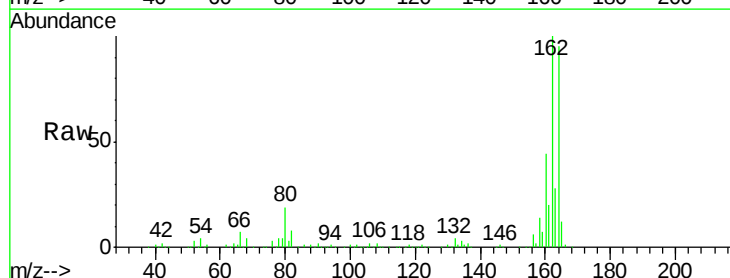
Tgt Ion:164 Resp: 209854

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

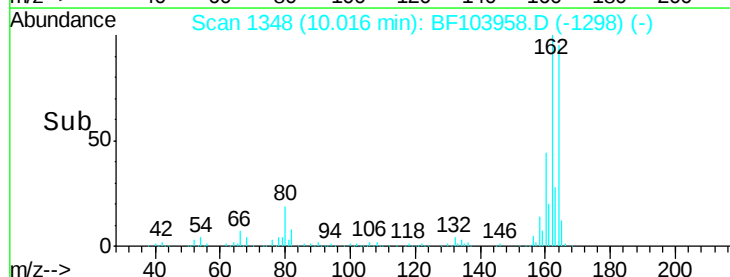
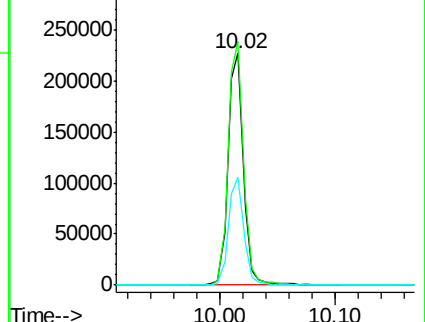
160 46.5 38.3 57.5

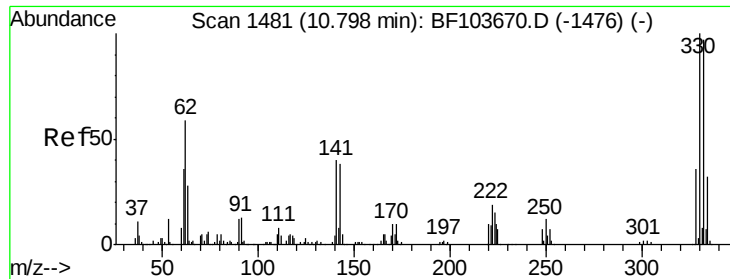


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

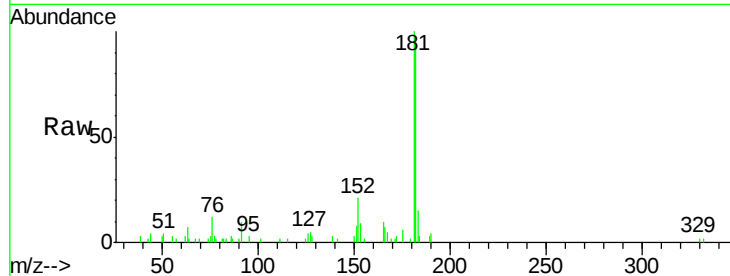




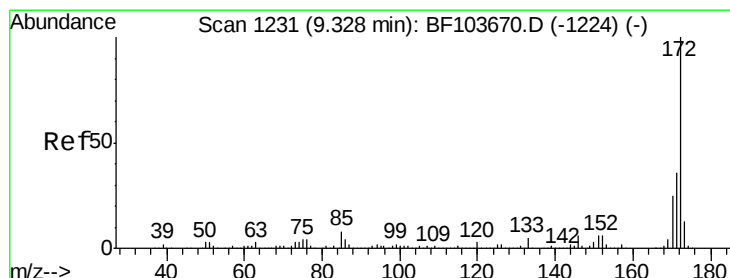
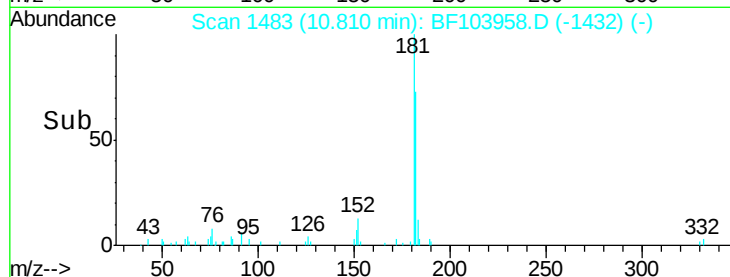
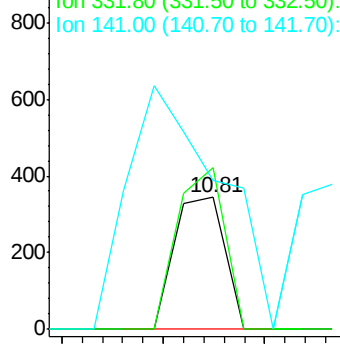
#41
 2,4,6-Tribromophenol
 Concen: 0.13 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103958.D
 Acq: 27 Mar 2018 6:49

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB43_S_4DL

Tgt Ion:330 Resp: 237
 Ion Ratio Lower Upper
 330 100
 332 115.6 77.0 115.6#
 141 338.4 29.9 44.9#

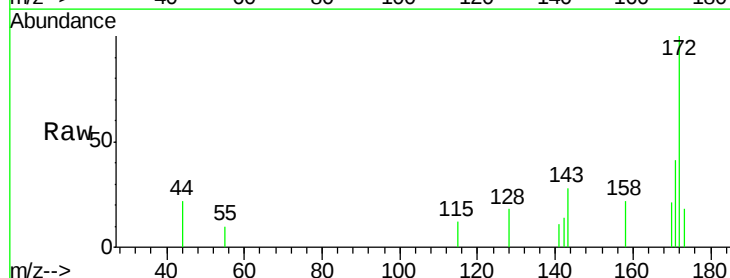


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

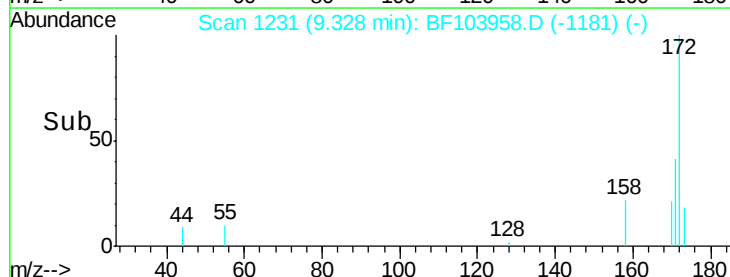
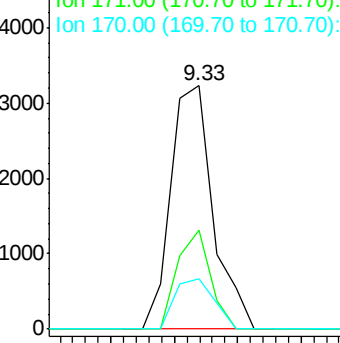


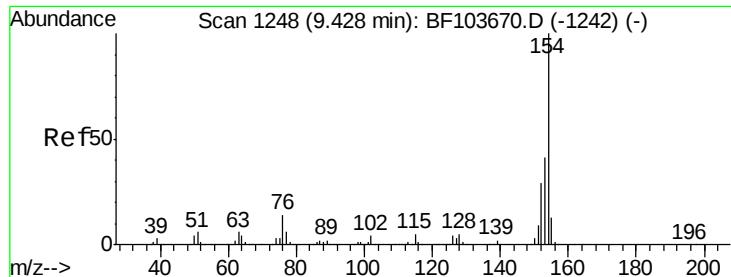
#44
 2-Fluorobiphenyl
 Concen: 0.23 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103958.D
 Acq: 27 Mar 2018 6:49

Tgt Ion:172 Resp: 2981
 Ion Ratio Lower Upper
 172 100
 171 40.5 29.7 44.5
 170 20.6 19.6 29.4



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

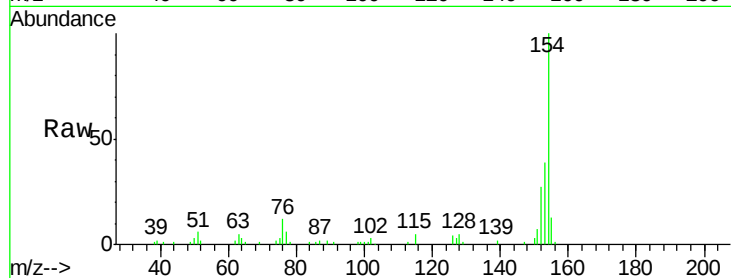




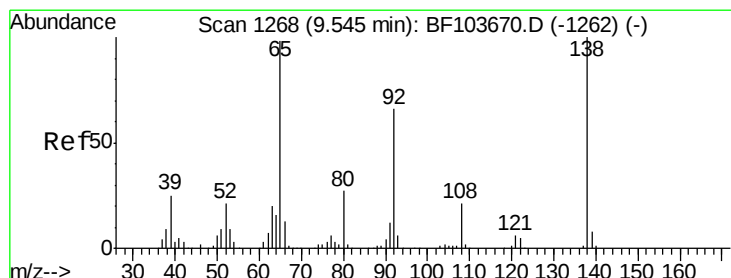
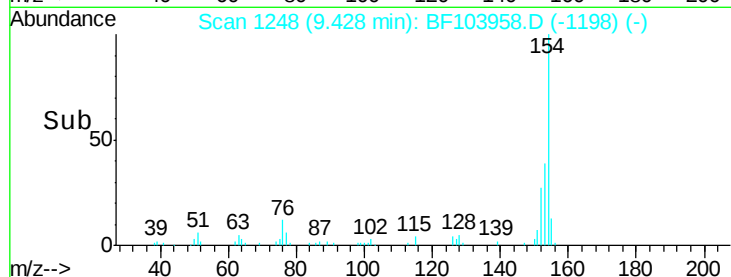
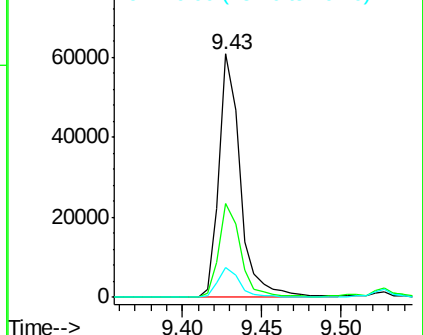
#45
 1,1'-Biphenyl
 Concen: 3.27 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF103958.D
 Acq: 27 Mar 2018 6:49

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB43_S_4DL

Tgt Ion:	154	Resp:	57276
Ion	Ratio	Lower	Upper
154	100		
153	38.6	21.3	61.3
76	12.4	0.0	34.0

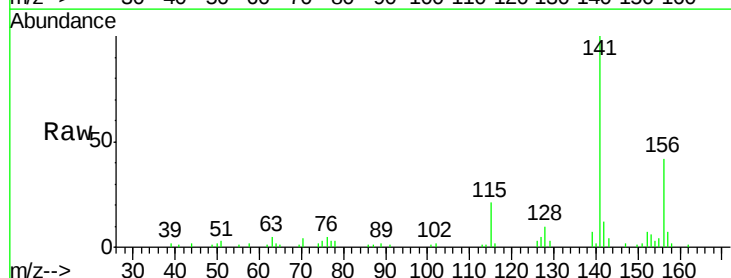


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

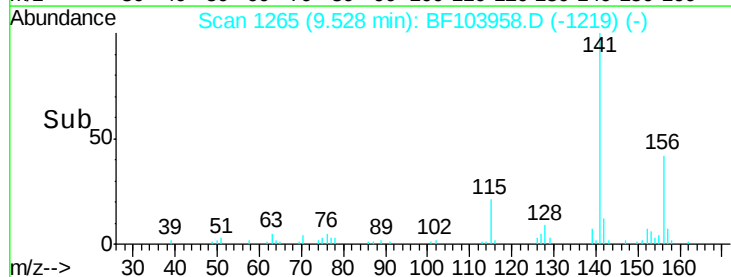
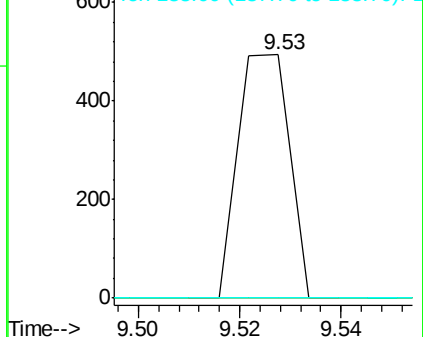


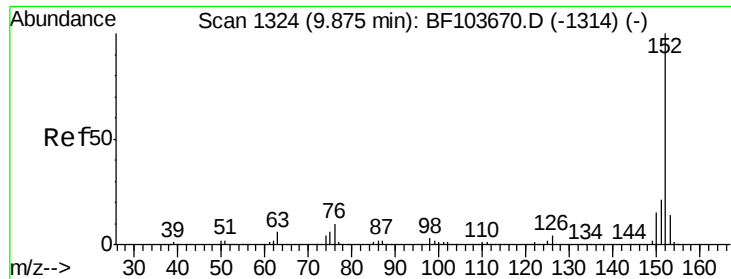
#47
 2-Nitroaniline
 Concen: 6.90 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.03 min
 Lab File: BF103958.D
 Acq: 27 Mar 2018 6:49

Tgt Ion:	65	Resp:	348
Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 4.37 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2_SB43_S_4DL

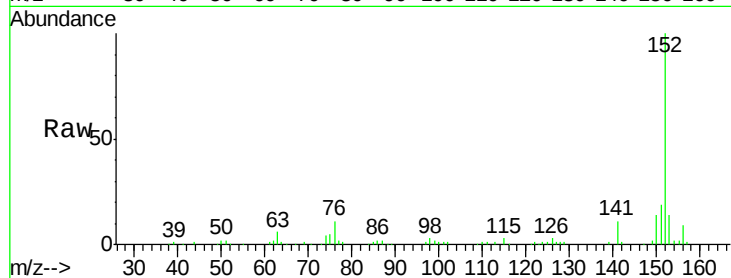
Tgt Ion:152 Resp: 94088

Ion Ratio Lower Upper

152 100

151 18.6 16.3 24.5

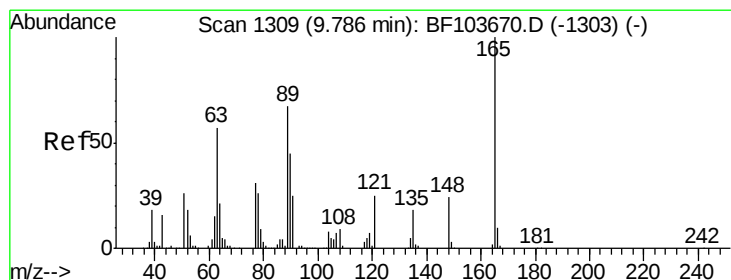
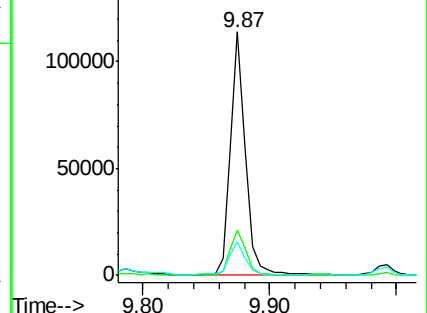
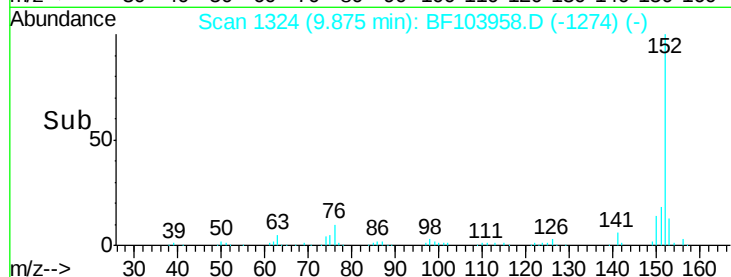
153 13.8 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 12.98 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.22 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

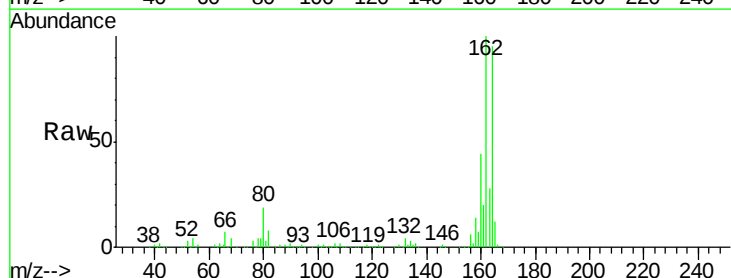
Tgt Ion:165 Resp: 30395

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

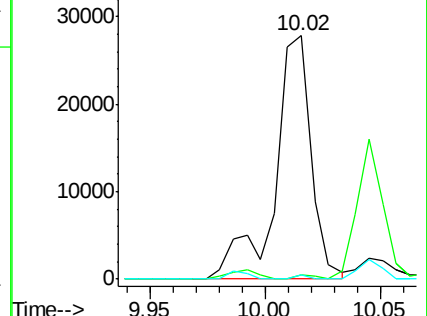
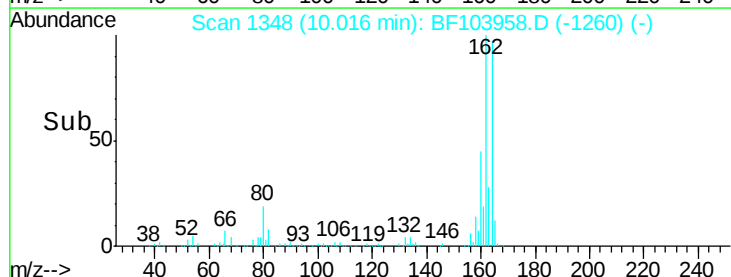
89 1.6 44.0 66.0#

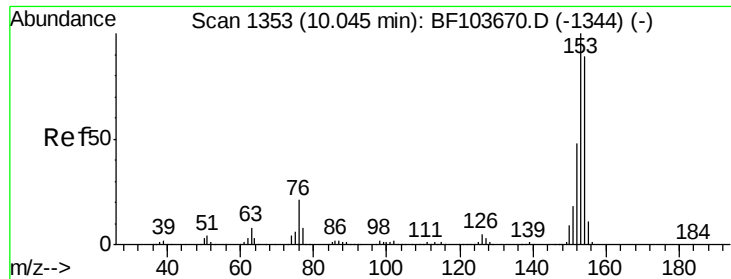


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 11.92 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2_SB43_S_4DL

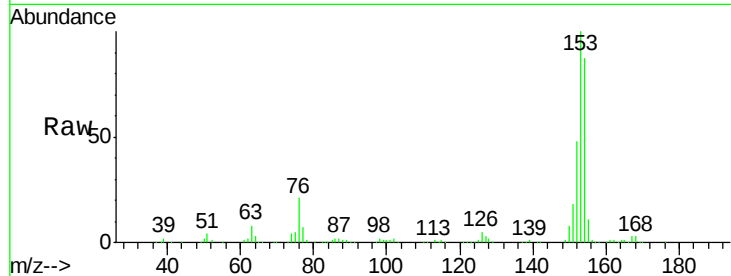
Tgt Ion:154 Resp: 152502

Ion Ratio Lower Upper

154 100

153 115.4 91.2 136.8

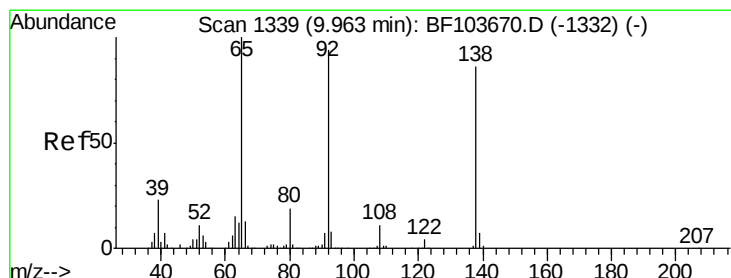
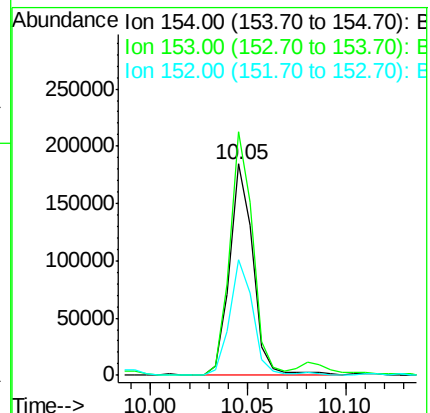
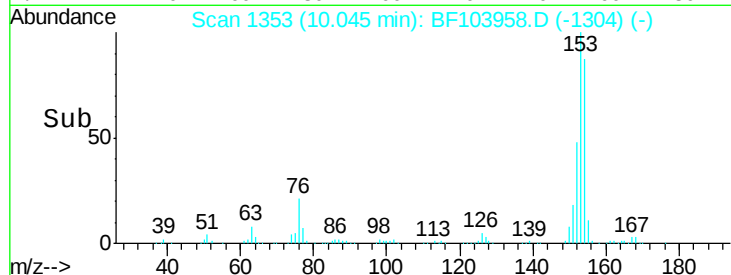
152 55.1 43.8 65.8



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



#52

3-Nitroaniline

Concen: 3.84 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.08 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

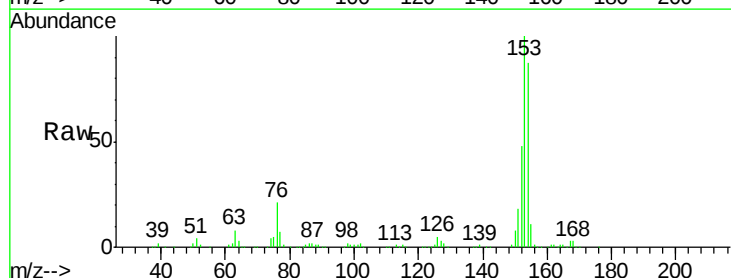
Tgt Ion:138 Resp: 110

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

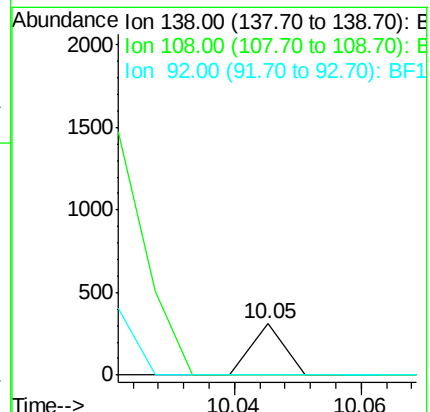
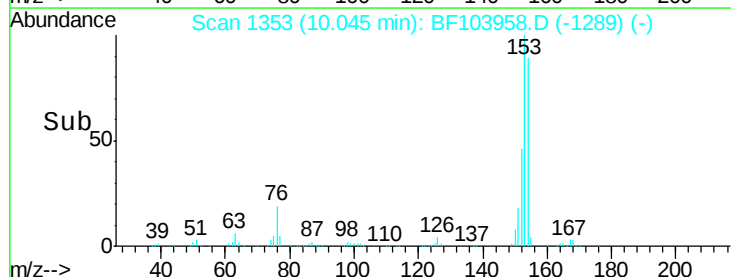
92 0.0 89.4 134.2#

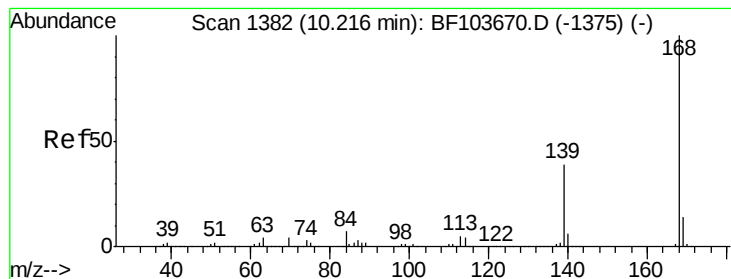


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

Dibenzofuran

Concen: 9.37 ng

RT: 10.22 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2 SB43 S_4DL

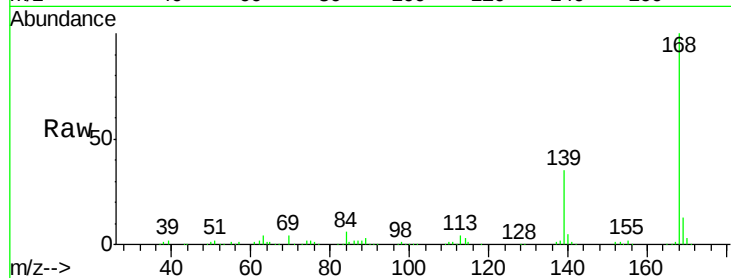
Tgt Ion:168 Resp: 171195

Ion Ratio Lower Upper

168 100

139 35.1 30.1 45.1

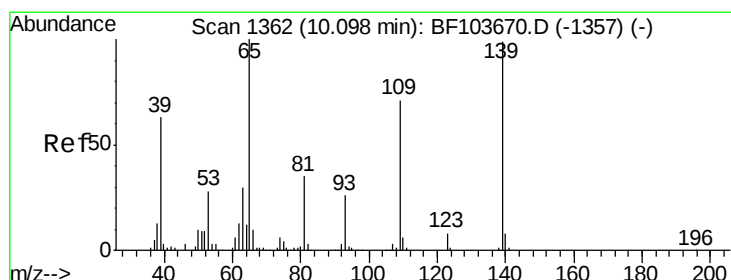
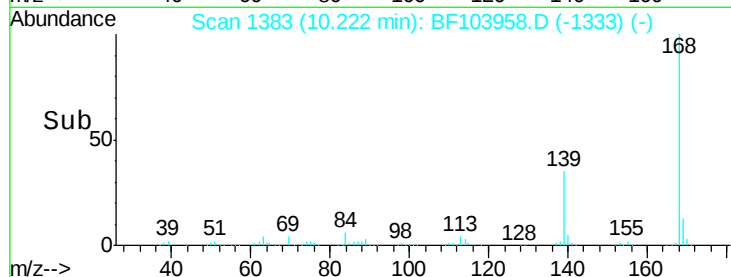
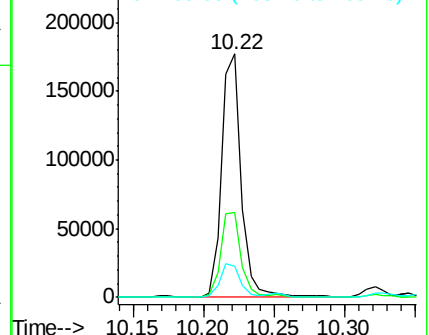
169 12.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 25.26 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.10 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

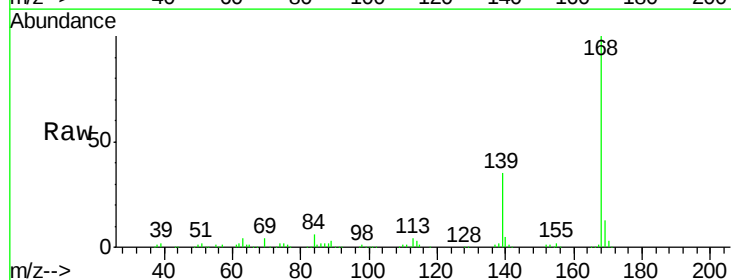
Tgt Ion:139 Resp: 63417

Ion Ratio Lower Upper

139 100

109 0.9 48.4 88.4#

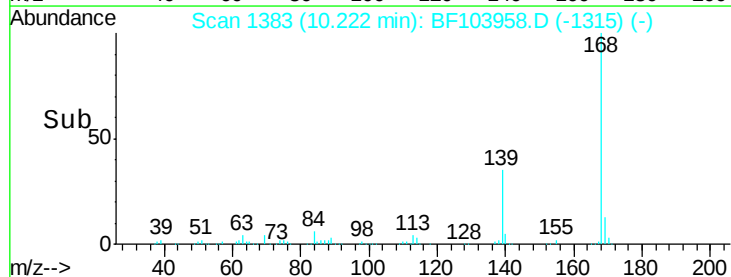
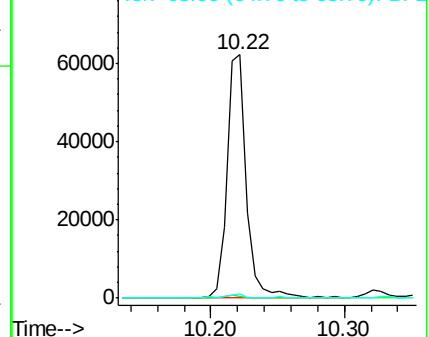
65 2.0 72.6 112.6#

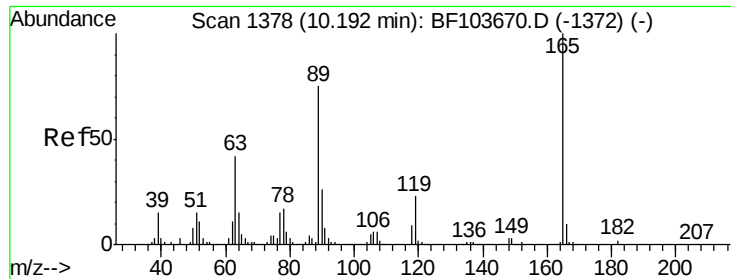


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

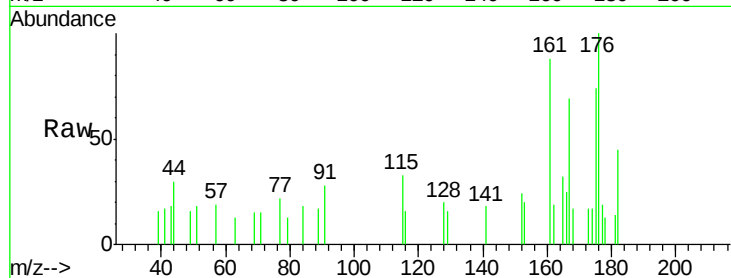




#56
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

Instrument :
BNA_F
ClientSampleId :
A2_SB43_S_4DL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	41.5	36.4	54.6
89	54.4	57.8	86.6#
182	141.3	1.6	2.4#

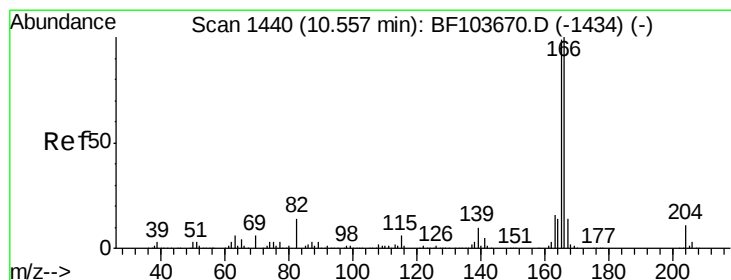
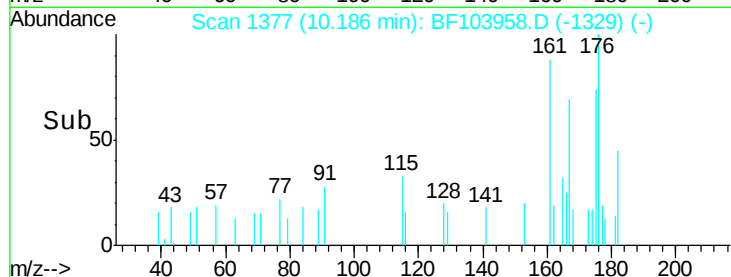
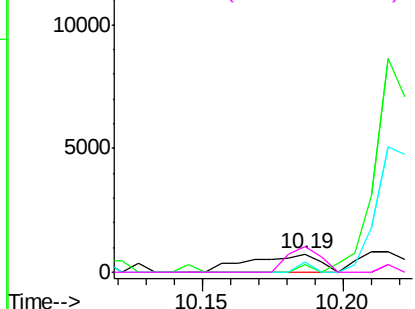


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

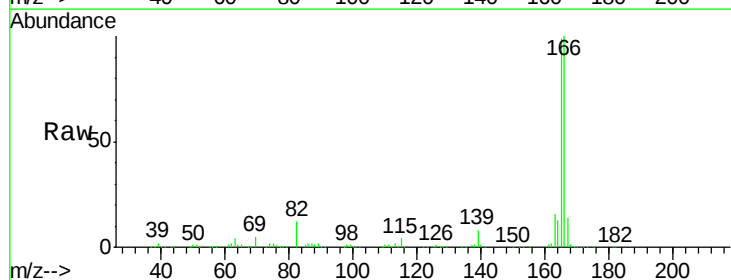
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 16.72 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

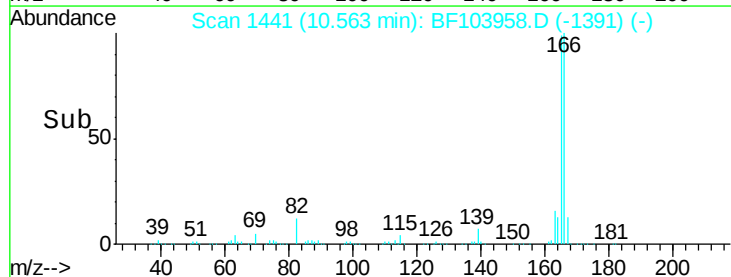
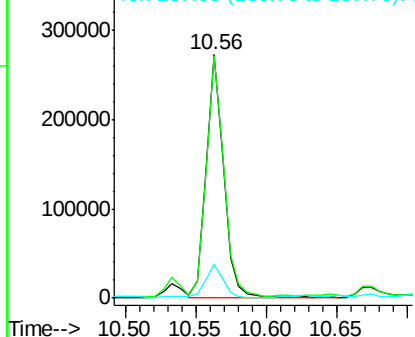
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	13.7	10.6	16.0

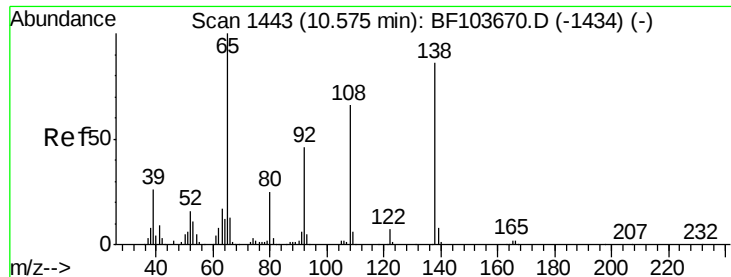


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

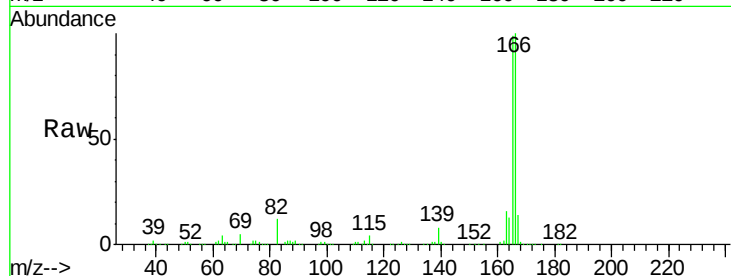




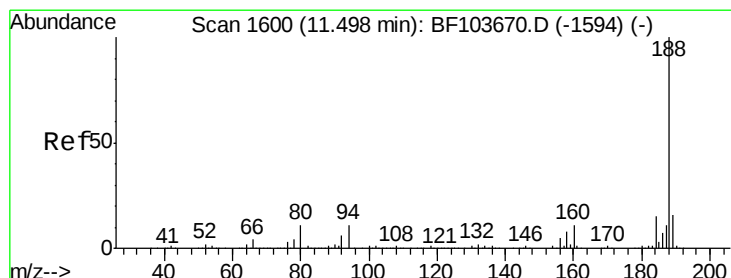
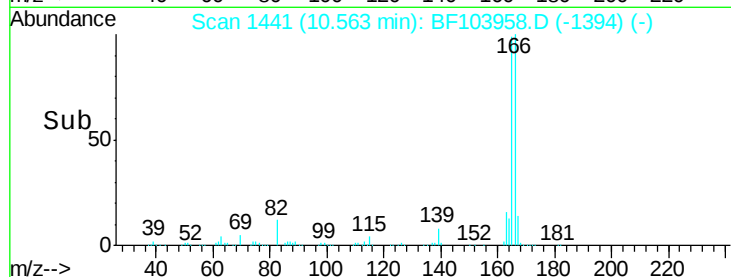
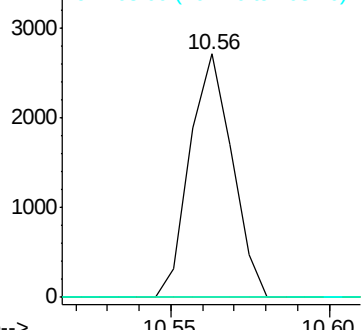
#61
4-Nitroaniline
Concen: 4.39 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

Instrument :
BNA_F
ClientSampleId :
A2_SB43_S_4DL

Tgt Ion:138 Resp: 2496
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#

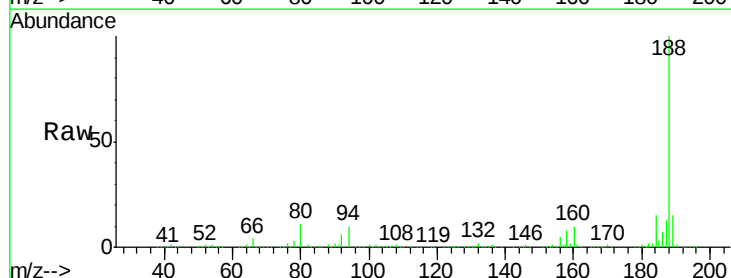


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

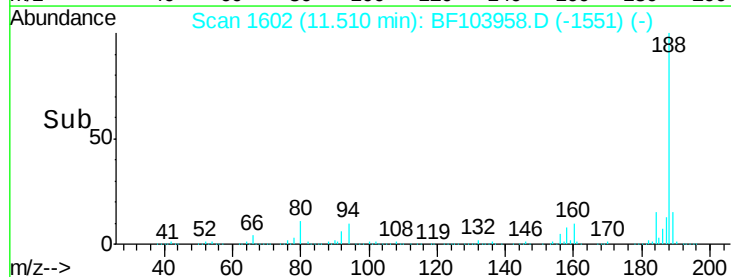
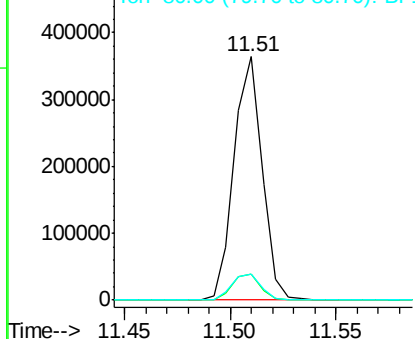


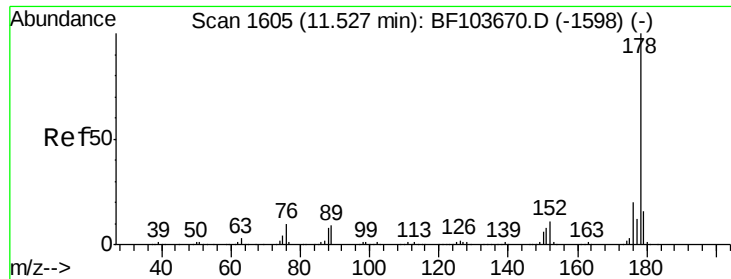
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

Tgt Ion:188 Resp: 333812
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 10.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

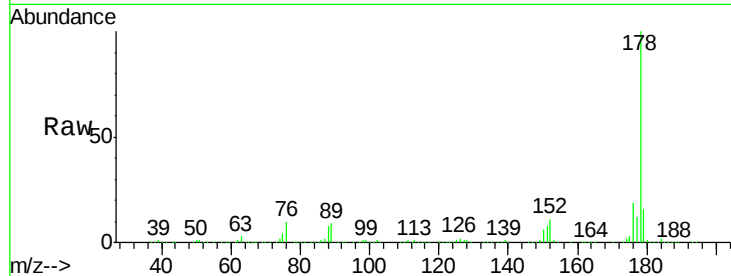




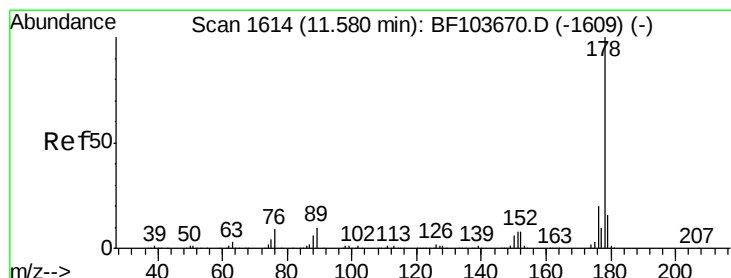
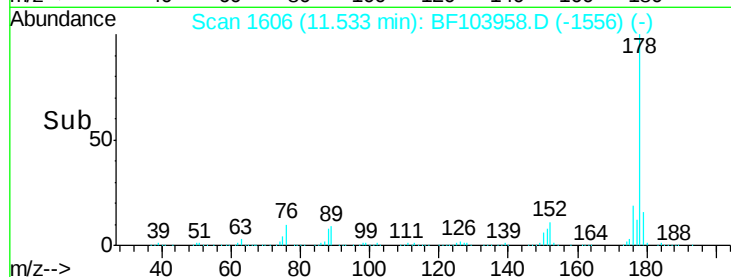
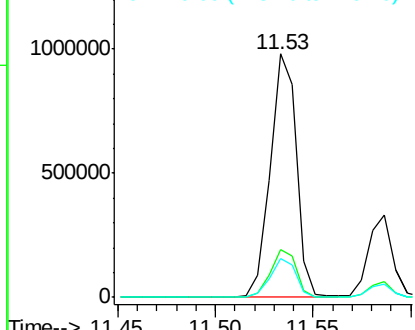
#70
Phenanthrene
Concen: 49.73 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

Instrument :
BNA_F
ClientSampleId :
A2_SB43_S_4DL

Tgt Ion:178 Resp: 908055
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.8 13.0 19.6

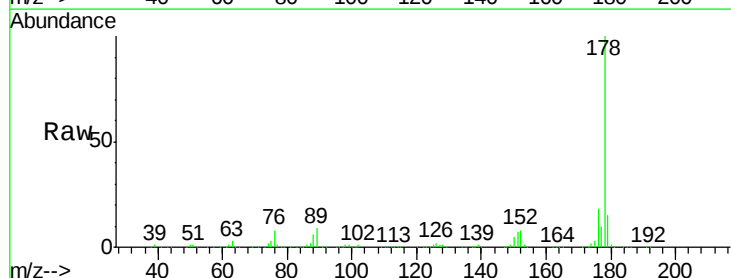


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

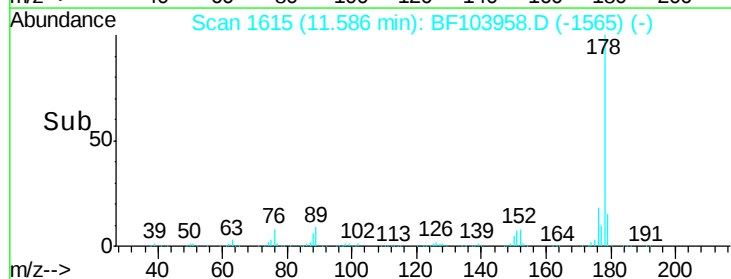
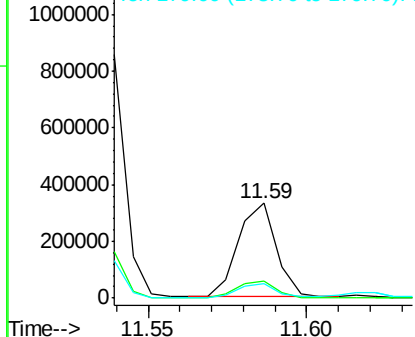


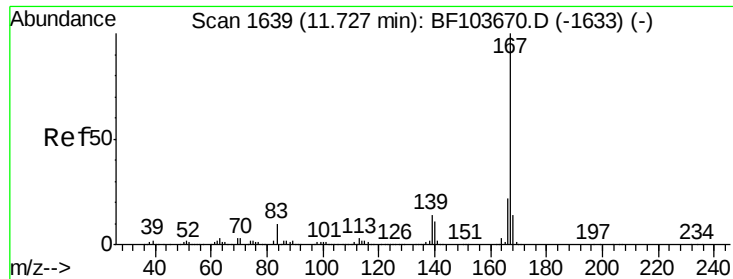
#71
Anthracene
Concen: 14.90 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

Tgt Ion:178 Resp: 276416
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.4 12.6 19.0



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





#72

Carbazole

Concen: 4.56 ng

RT: 11.74 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2 SB43 S_4DL

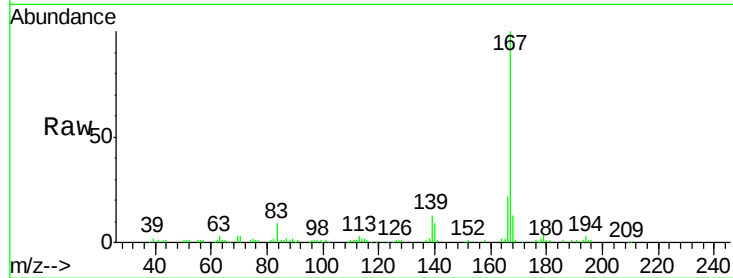
Tgt Ion:167 Resp: 82114

Ion Ratio Lower Upper

167 100

166 22.4 17.6 26.4

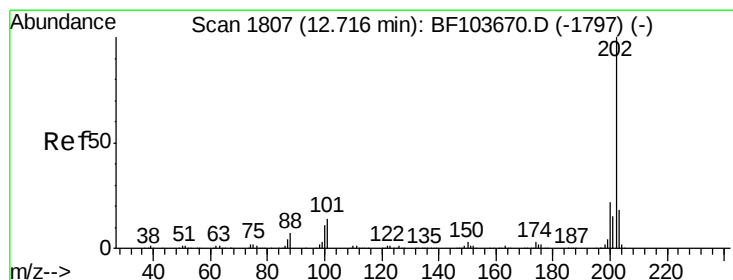
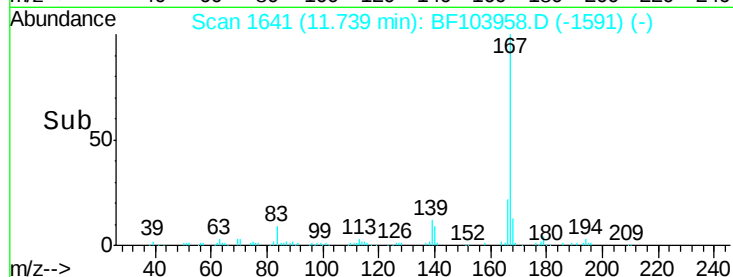
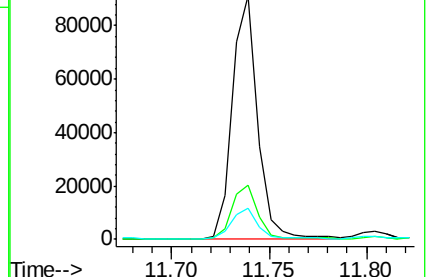
139 12.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 33.29 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

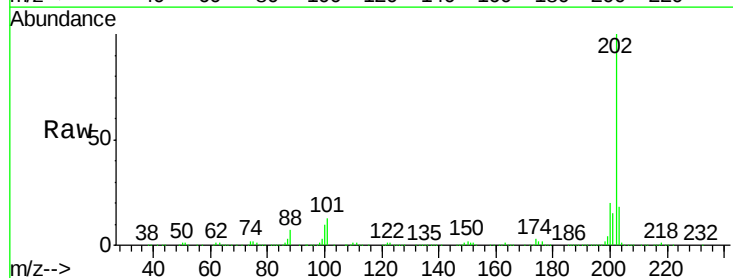
Tgt Ion:202 Resp: 626287

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

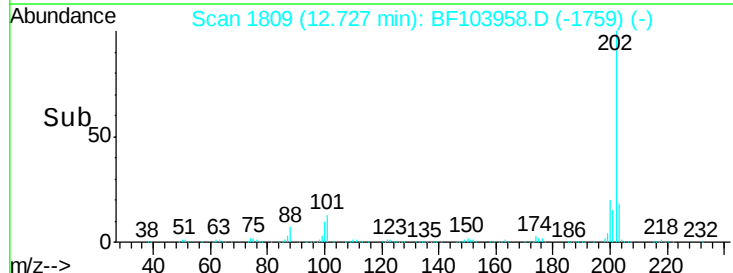
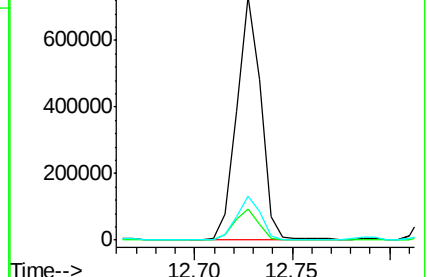
203 18.1 0.0 38.1

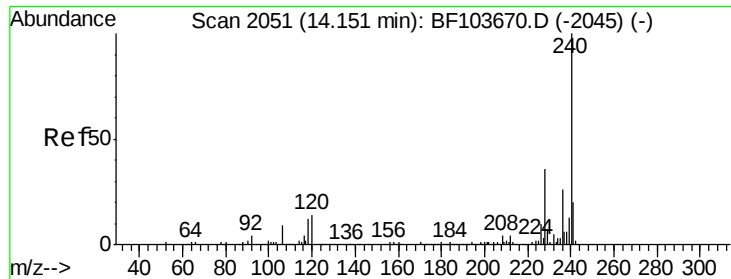


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

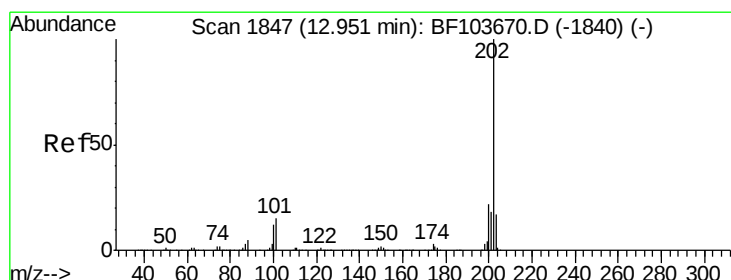
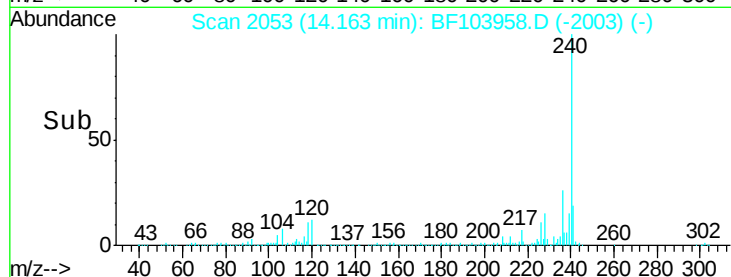
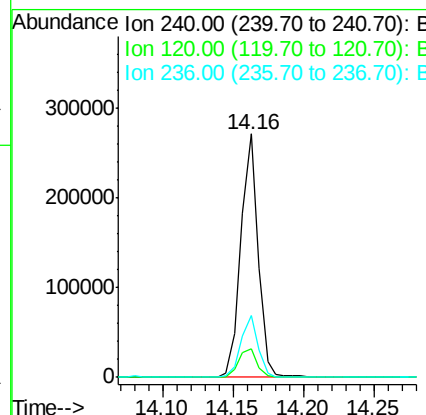
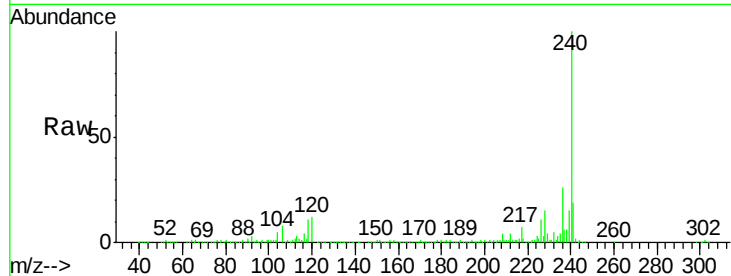




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.16 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BF103958.D
 Acq: 27 Mar 2018 6:49

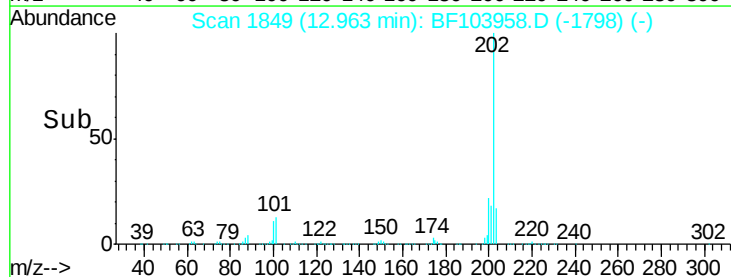
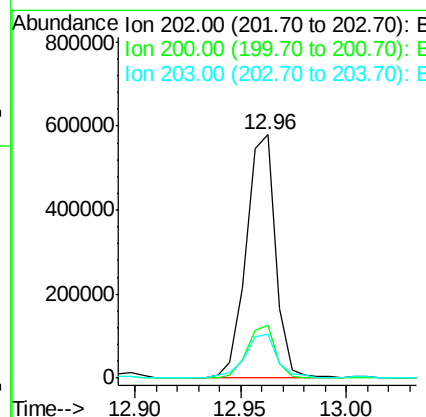
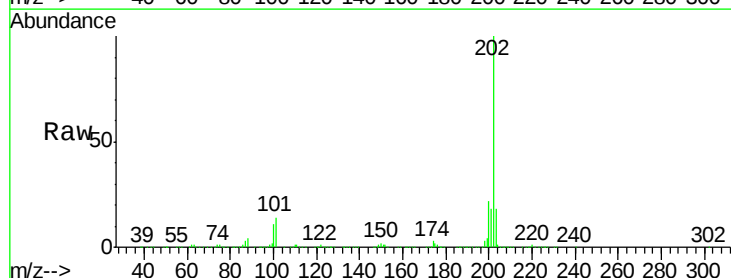
Instrument :
 BNA_F
 ClientSampleId :
 A2_SB43_S_4DL

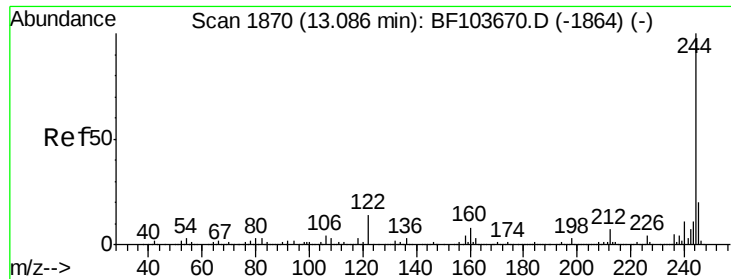
Tgt Ion:240 Resp: 232444
 Ion Ratio Lower Upper
 240 100
 120 11.9 9.5 14.3
 236 25.6 20.7 31.1



#77
 Pyrene
 Concen: 32.62 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BF103958.D
 Acq: 27 Mar 2018 6:49

Tgt Ion:202 Resp: 556815
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.4 26.2
 203 18.0 14.3 21.5

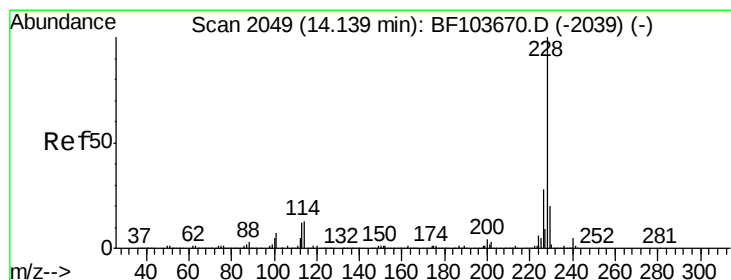
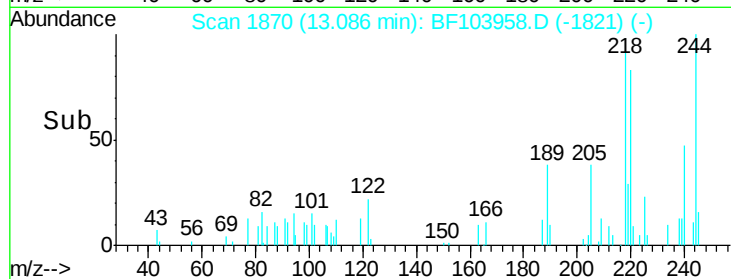
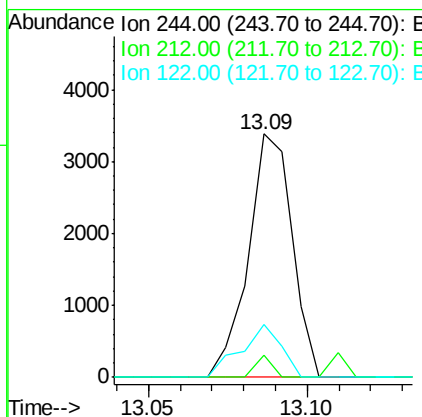
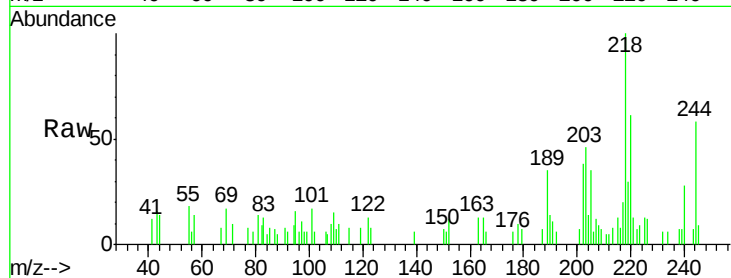




#78
 Terphenyl-d14
 Concen: 0.32 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.01 min
 Lab File: BF103958.D
 Acq: 27 Mar 2018 6:49

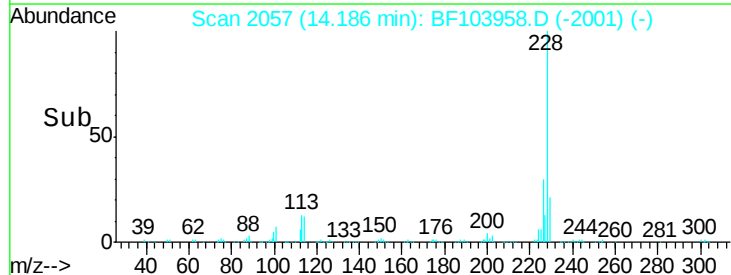
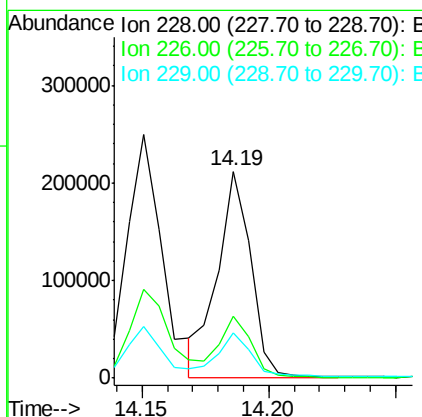
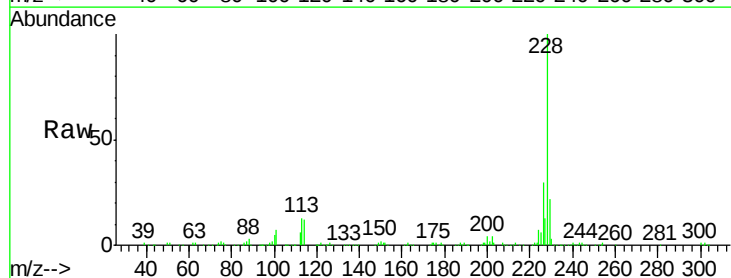
Instrument :
 BNA_F
 ClientSampleId :
 A2_SB43_S_4DL

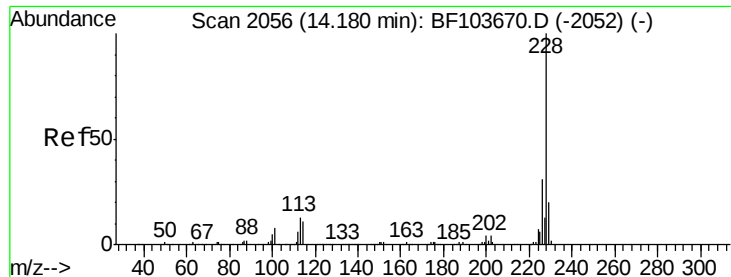
Tgt Ion:244 Resp: 3251
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.4 8.0#
 122 21.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 13.23 ng
 RT: 14.19 min Scan# 2057
 Delta R.T. 0.03 min
 Lab File: BF103958.D
 Acq: 27 Mar 2018 6:49

Tgt Ion:228 Resp: 194593
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 21.8 15.8 23.6





#82

Chrysene

Concen: 13.87 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2_SB43_S_4DL

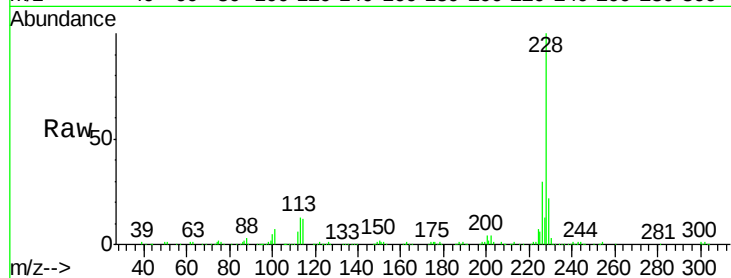
Tgt Ion:228 Resp: 194593

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

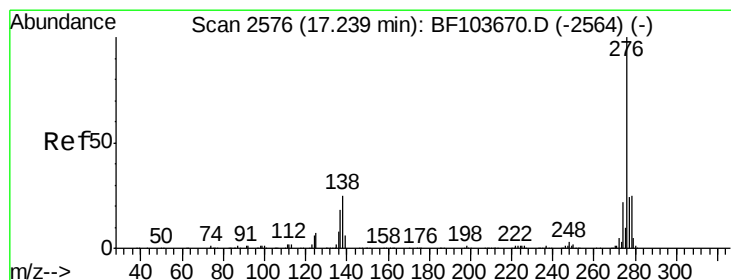
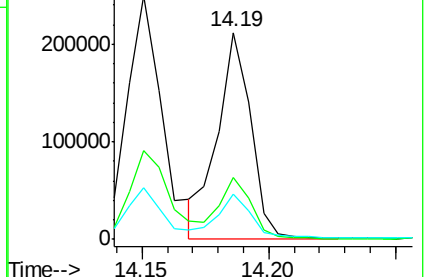
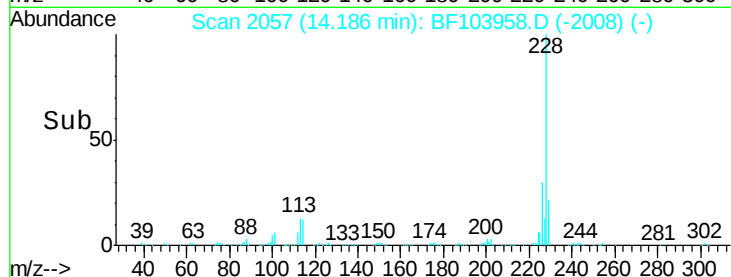
229 21.8 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.11 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.02 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

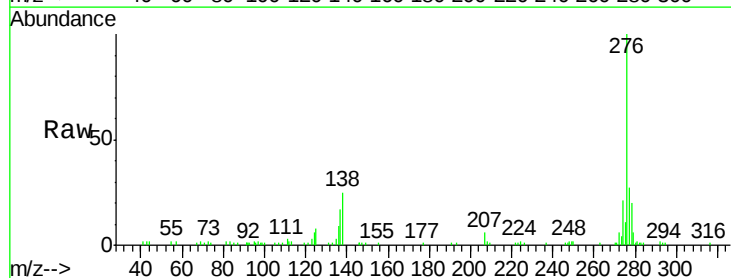
Tgt Ion:276 Resp: 87083

Ion Ratio Lower Upper

276 100

138 25.2 25.0 37.6

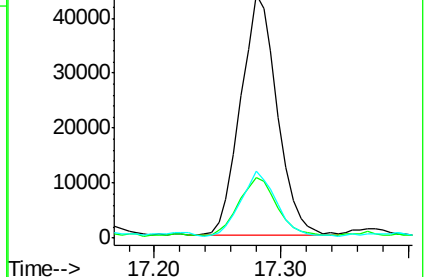
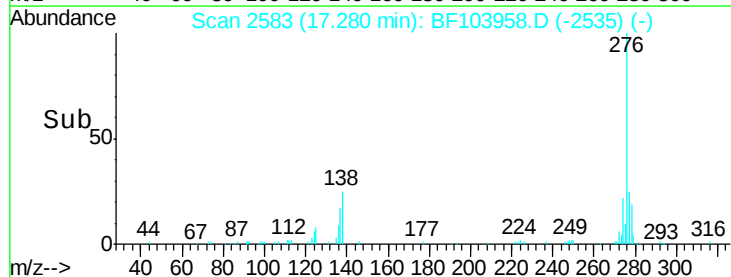
277 26.0 20.1 30.1

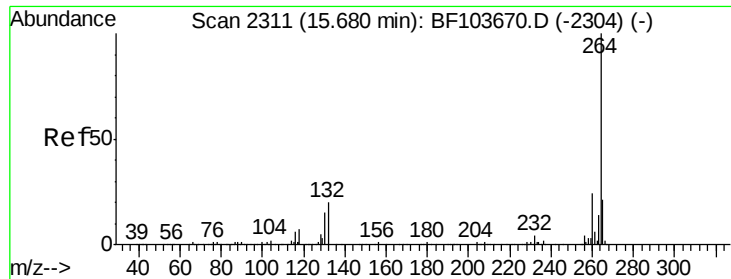


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

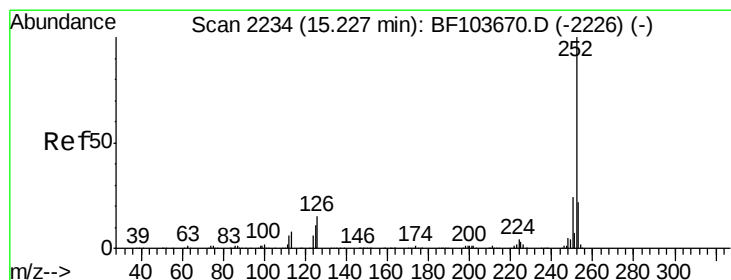
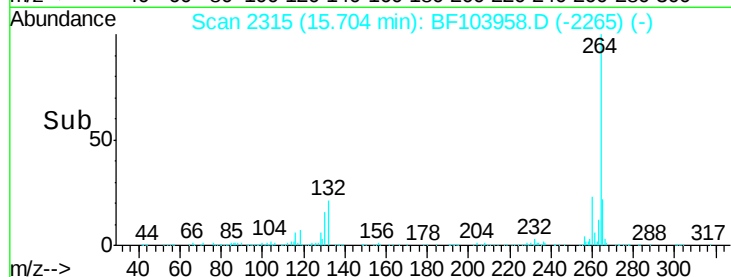
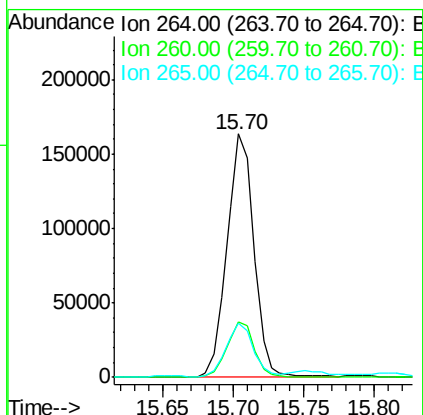
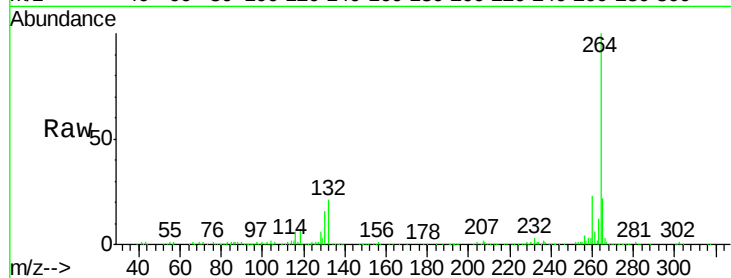




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

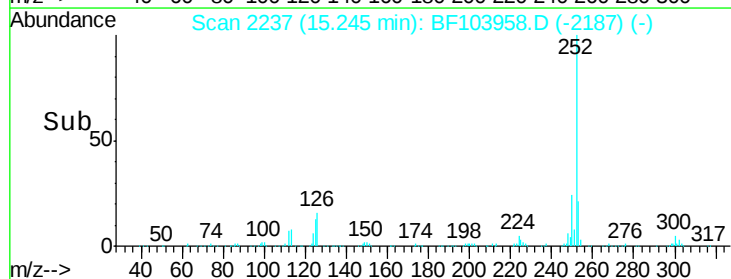
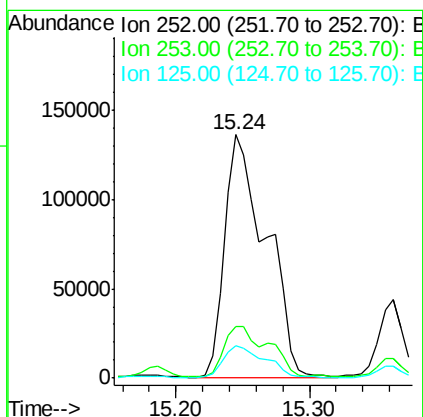
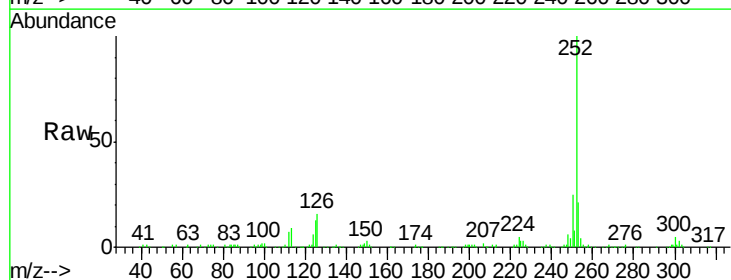
Instrument :
BNA_F
ClientSampleId :
A2_SB43_S_4DL

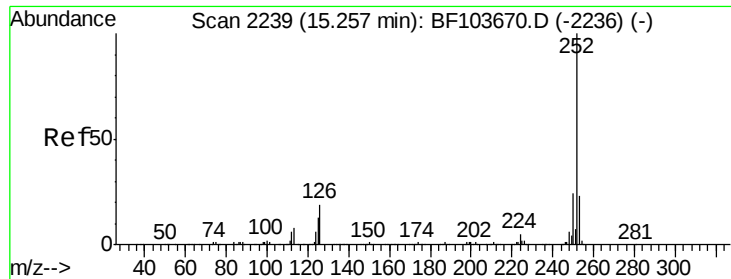
Tgt Ion:264 Resp: 218585
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 22.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 21.28 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103958.D
Acq: 27 Mar 2018 6:49

Tgt Ion:252 Resp: 293842
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 13.4 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 22.14 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.04 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

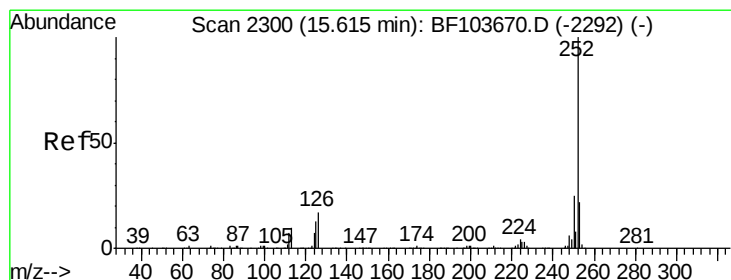
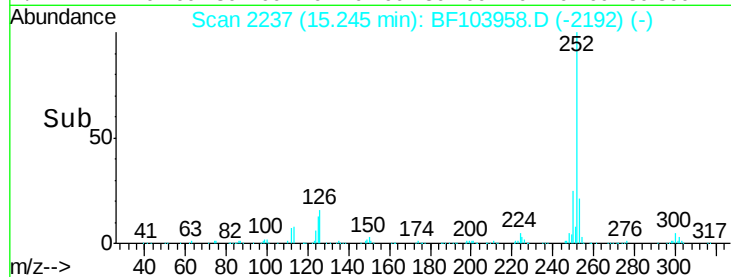
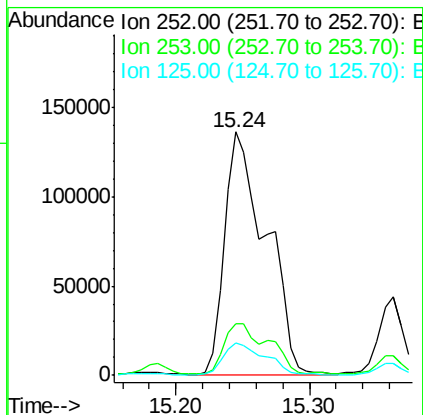
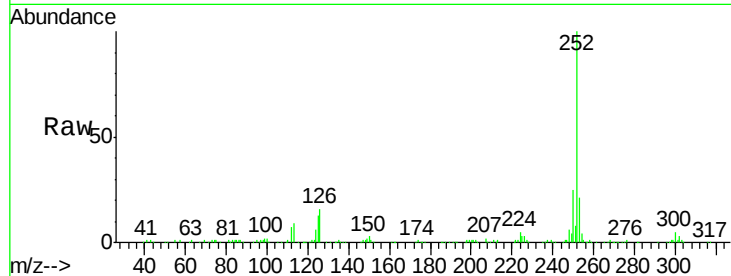
Instrument :

BNA_F

ClientSampleId :

A2 SB43 S_4DL

Tgt Ion:	252	Resp:	293842
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.9	26.9
125	13.4	10.2	15.2



#89

Benzo(a)pyrene

Concen: 14.39 ng

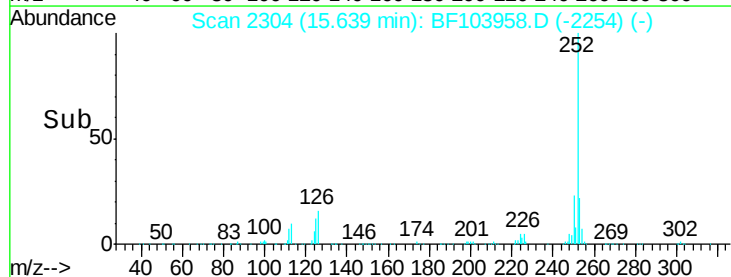
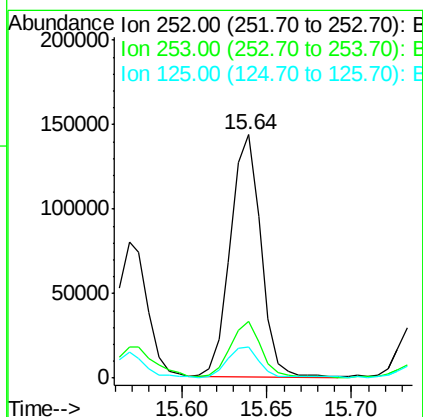
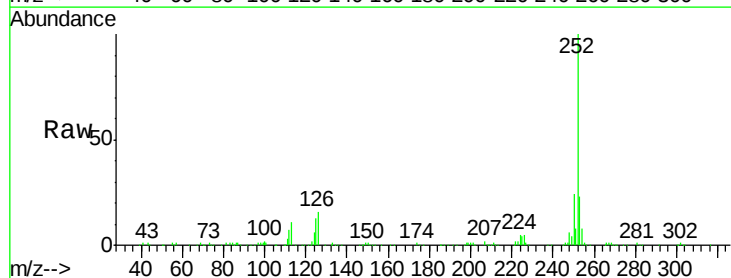
RT: 15.64 min Scan# 2304

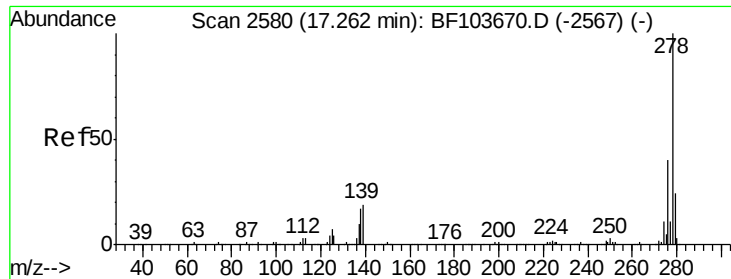
Delta R.T. -0.01 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Tgt Ion:	252	Resp:	180282
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	12.8	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.23 ng

RT: 17.47 min Scan# 2616

Delta R.T. 0.16 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

Instrument :

BNA_F

ClientSampleId :

A2_SB43_S_4DL

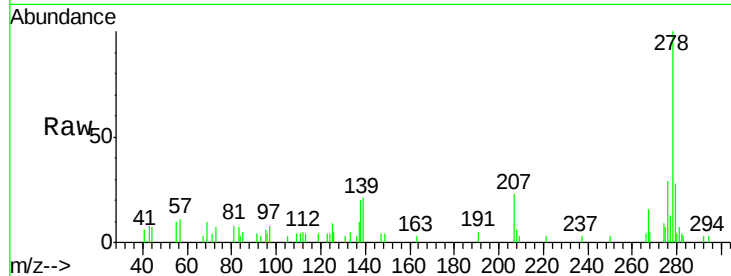
Tgt Ion:278 Resp: 24164

Ion Ratio Lower Upper

278 100

139 20.5 15.9 23.9

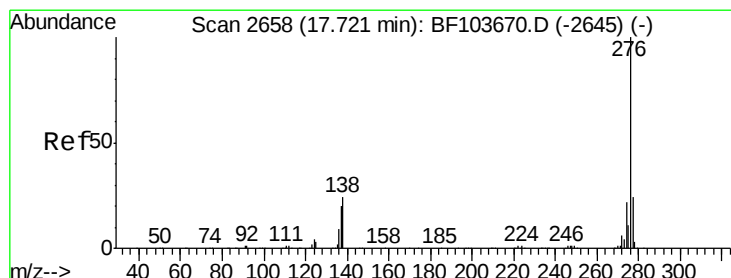
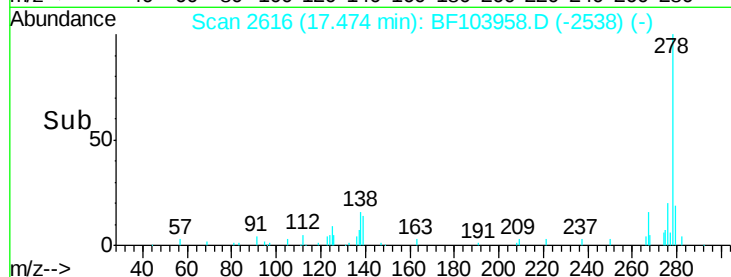
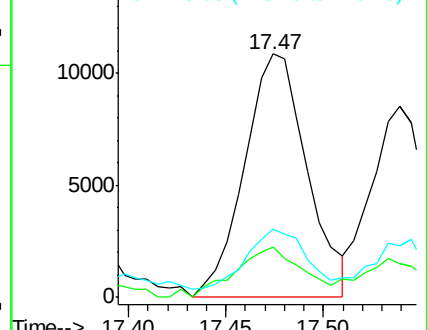
279 28.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.91 ng

RT: 17.76 min Scan# 2665

Delta R.T. -0.02 min

Lab File: BF103958.D

Acq: 27 Mar 2018 6:49

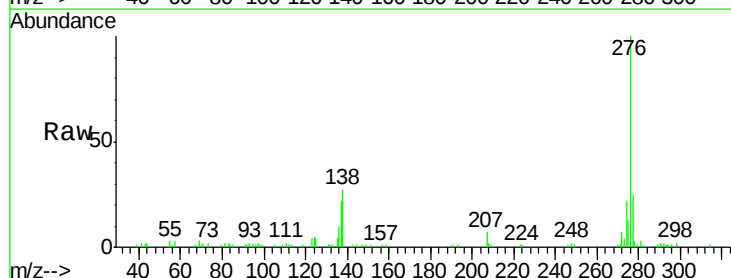
Tgt Ion:276 Resp: 83427

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 26.8 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

