

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103808.D
 Acq On : 20 Mar 2018 17:58
 Operator : JU/SJ
 Sample : J1982-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 00:56:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161505	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	637428	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	283770	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	447619	20.00	ng	0.01
75) Chrysene-d12	14.17	240	245276	20.00	ng	0.02
86) Perylene-d12	15.72	264	258530	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1226569	115.51	ng	0.02
7) Phenol-d6	6.60	99	1598847	123.07	ng	0.01
23) Nitrobenzene-d5	7.54	82	940700	102.91	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	276510	113.33	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1344209	75.56	ng	0.00
78) Terphenyl-d14	13.10	244	1036043	98.04	ng	0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.75	77	27413	3.212	ng	83
19) n-Nitroso-di-n-propylamine	7.54	70	125095	15.026	ng	# 73
25) Isophorone	7.54	82	938726	44.363	ng	# 64
26) 2-Nitrophenol	7.93	139	118	9.469	ng	# 34
31) Naphthalene	8.29	128	2797742	86.888	ng	99
32) Benzoic acid	8.02	122	4185	10.424	ng	# 48
33) 4-Chloroaniline	8.29	127	387391	28.677	ng	# 34
37) 2-Methylnaphthalene	8.97	142	572743	28.049	ng	99
45) 1,1'-Biphenyl	9.43	154	153318	6.479	ng	100
47) 2-Nitroaniline	9.53	65	1523	7.080	ng	# 33
48) Acenaphthylene	9.88	152	761379	26.125	ng	100
49) Dimethylphthalate	9.72	163	157189	7.260	ng	99
50) 2,6-Dinitrotoluene	9.70	165	4721	5.017	ng	# 23
51) Acenaphthene	10.05	154	183332	10.594	ng	98
52) 3-Nitroaniline	9.96	138	513	3.908	ng	# 1
53) 2,4-Dinitrophenol	10.20	184	113	6.479	ng	# 1
54) Dibenzofuran	10.22	168	205530	8.316	ng	97
55) 4-Nitrophenol	10.12	139	5004	6.154	ng	# 71
56) 2,4-Dinitrotoluene	10.19	165	5060	7.044	ng	# 74
57) Fluorene	10.56	166	504567	26.310	ng	98
61) 4-Nitroaniline	10.53	138	579	3.860	ng	85
64) 4,6-Dinitro-2-methylphenol	10.62	198	115	8.192	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	16442	3.578	ng	# 1
70) Phenanthrene	11.54	178	2113653	86.322	ng	99
71) Anthracene	11.59	178	940751	37.828	ng	99
72) Carbazole	11.74	167	189565	7.842	ng	99
74) Fluoranthene	12.74	202	2298401	91.113	ng	98
77) Pyrene	12.97	202	2316835	128.621	ng	99
80) Benzo(a)anthracene	14.20	228	1123032	72.333	ng	94
82) Chrysene	14.20	228	1123032	75.880	ng	98
85) Indeno(1,2,3-cd)pyrene	17.31	276	619426	47.925	ng	94
87) Benzo(b)fluoranthene	15.27	252	1991768	121.945	ng	# 94
88) Benzo(k)fluoranthene	15.27	252	1991768	126.859	ng	97
89) Benzo(a)pyrene	15.66	252	1187638	80.168	ng	96

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QLast Update : Thu Mar 15 18:31:53 2018
Response via : Initial Calibration

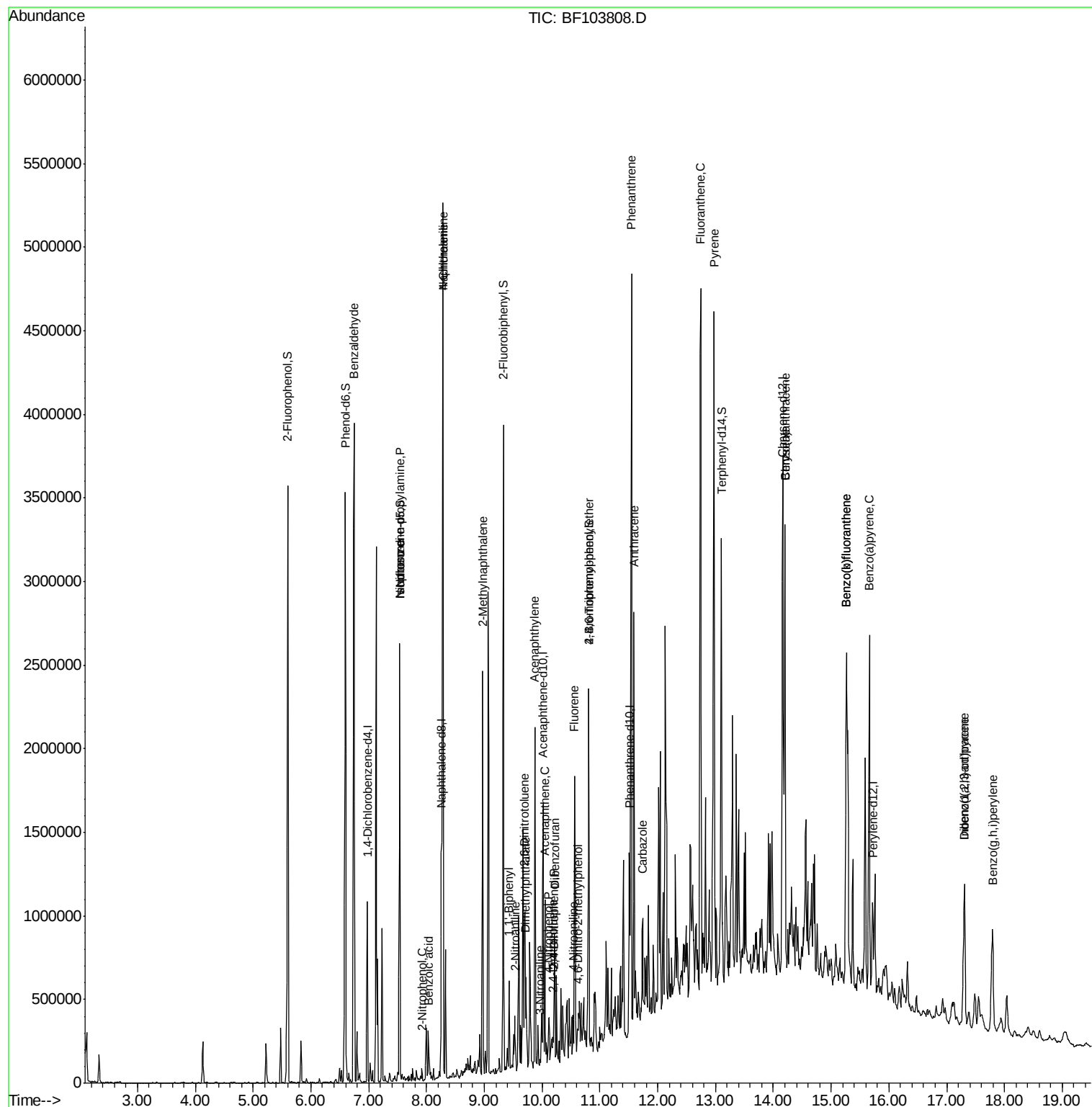
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	17.32	278	170351	13.280	ng	93
91) Benzo(g,h,i)perylene	17.79	276	561410	44.987	ng	98

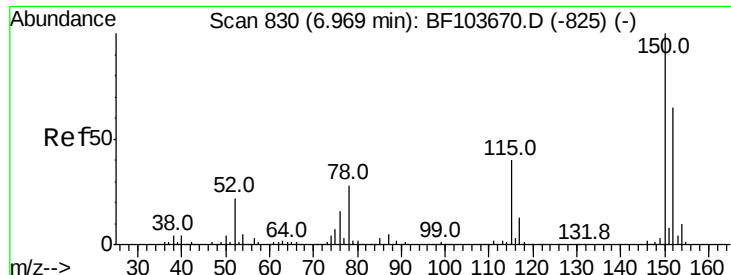
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J1982-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Mar 21 00:56:31 2018
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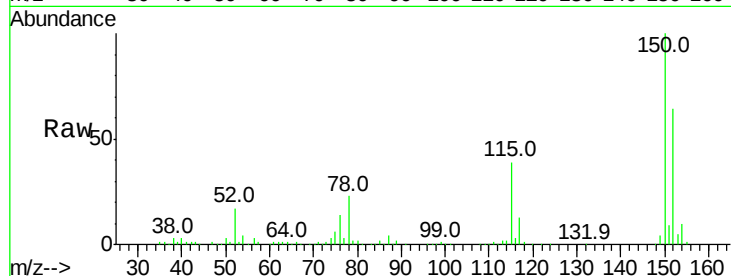


#1

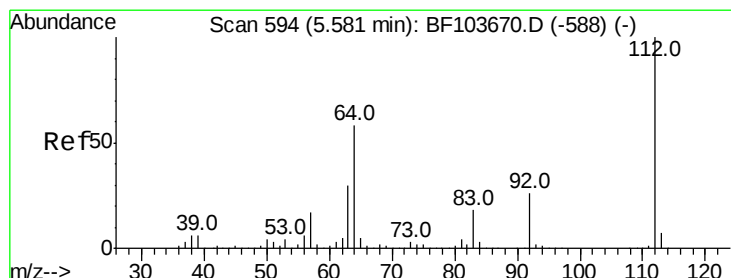
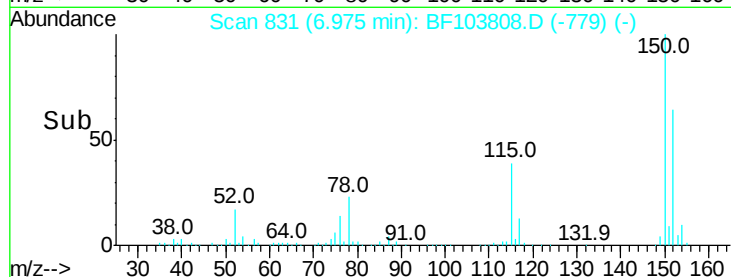
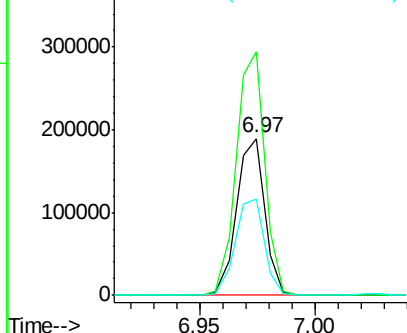
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161505
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 61.0 50.1 75.1



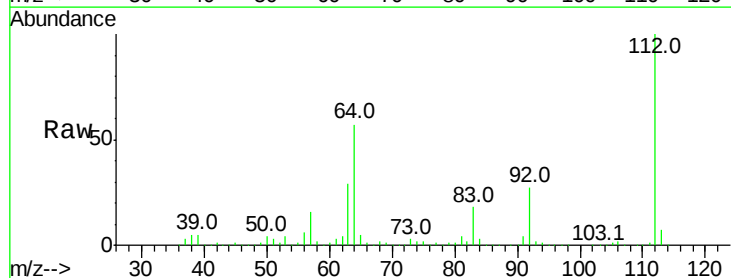
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



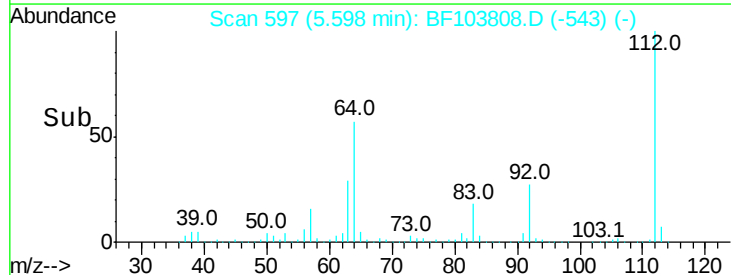
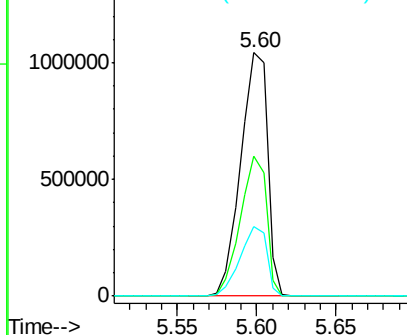
#5

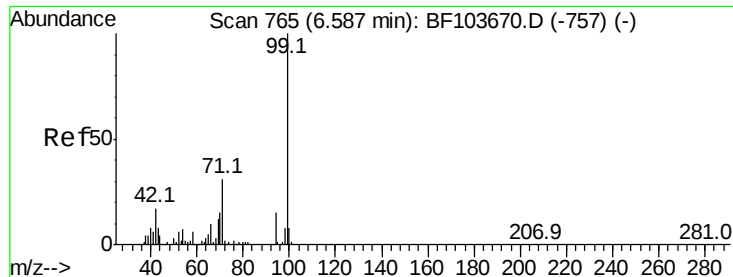
2-Fluorophenol
Concen: 115.514 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:112 Resp: 1226569
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 28.7 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: 123.075 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

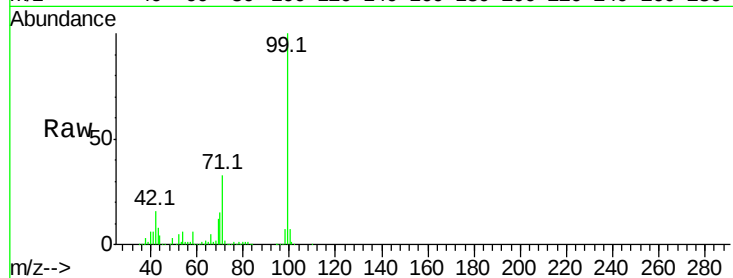
Tot Ion: 99 Resp: 1598847

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

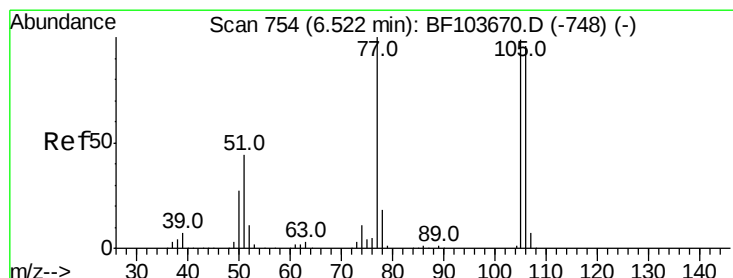
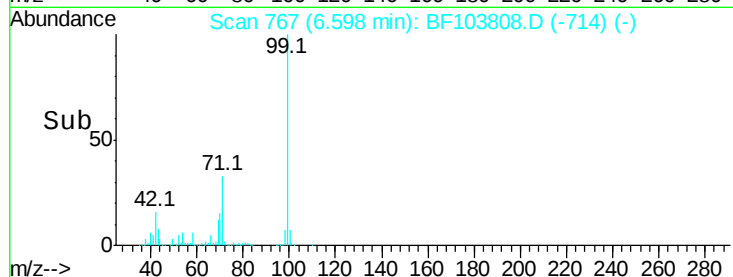
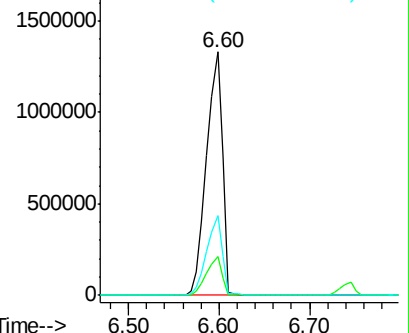
71 32.7 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.212 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

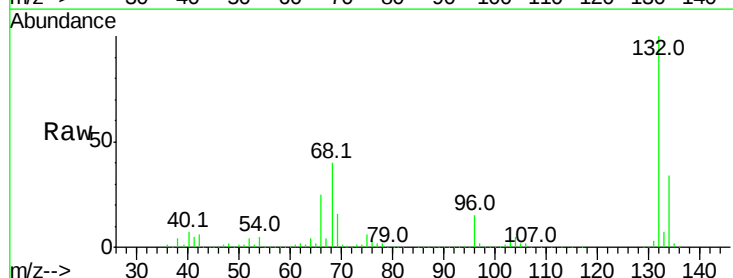
Tgt Ion: 77 Resp: 27413

Ion Ratio Lower Upper

77 100

105 84.5 81.1 121.1

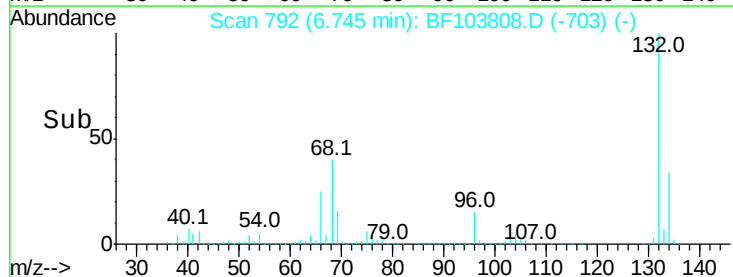
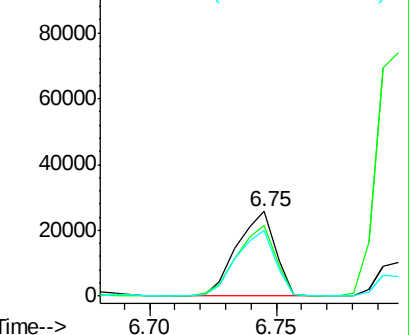
106 78.2 74.5 114.5

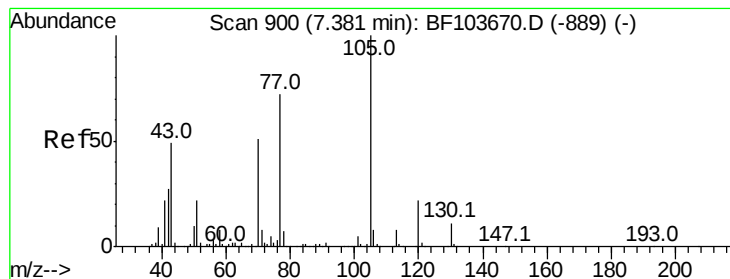


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 15.026 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.16 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 125095

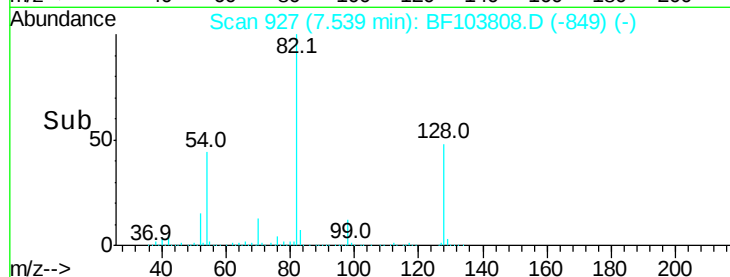
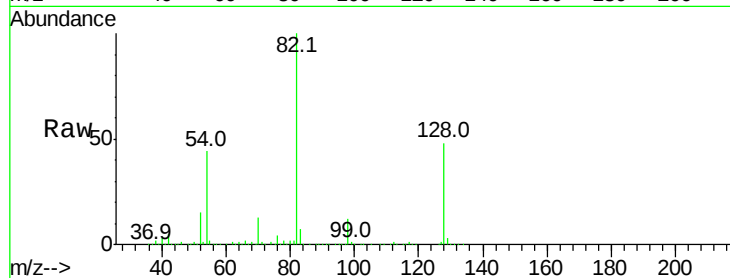
Ion Ratio Lower Upper

70 100

42 42.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

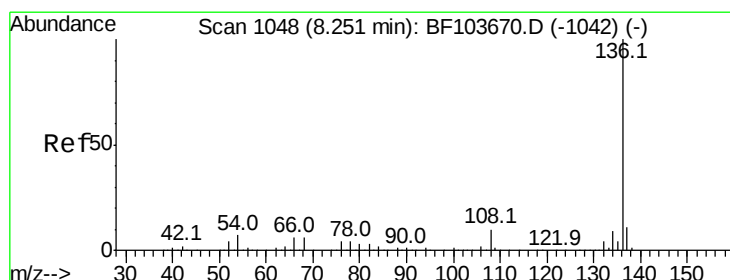
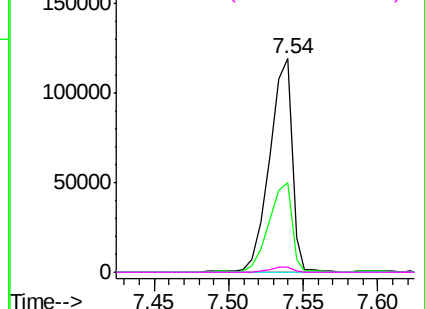


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Tgt Ion:136 Resp: 637428

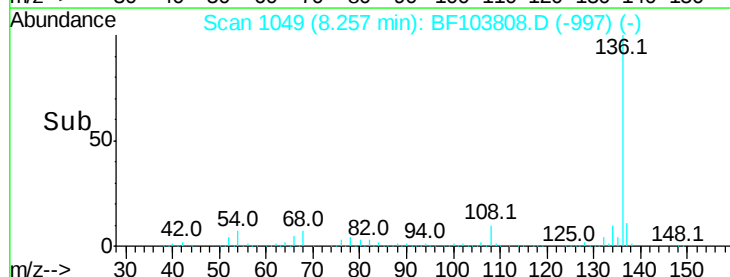
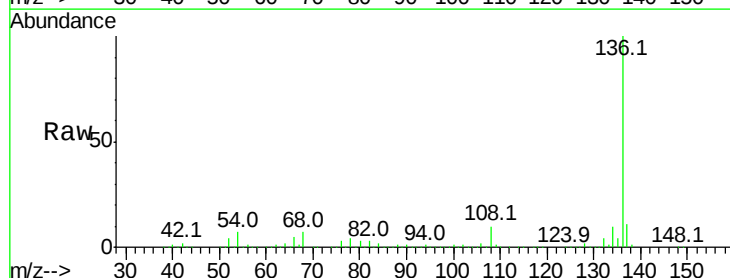
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.1 6.6 9.8

68 6.8 5.0 7.4

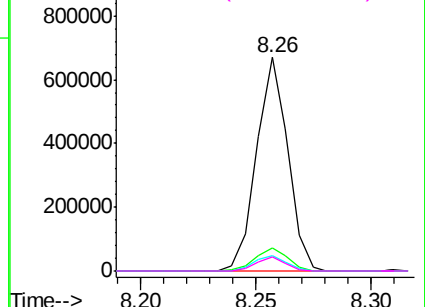


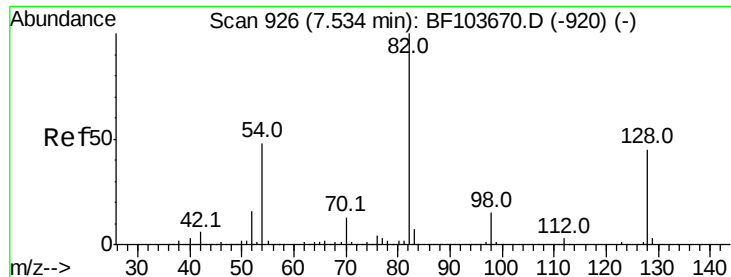
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

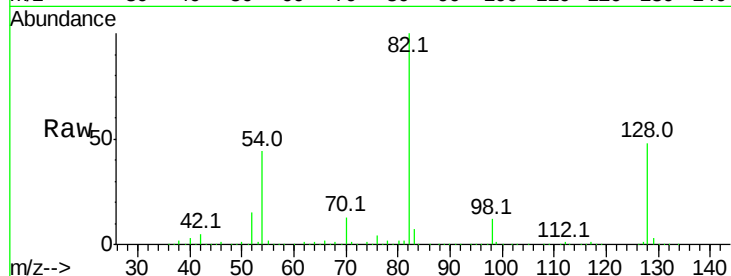




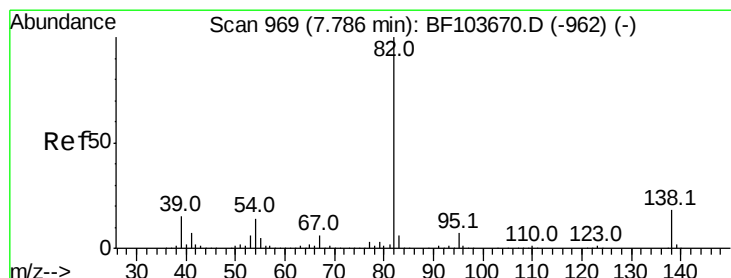
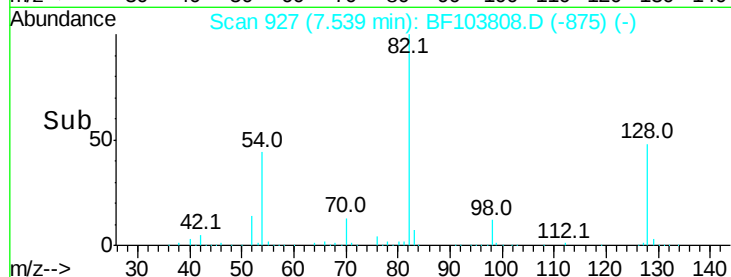
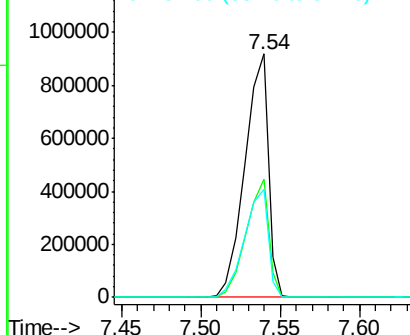
#23
 Nitrobenzene-d5
 Concen: 102.914 ng
 RT: 7.54 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: BF103808.D
 Acq: 20 Mar 2018 17:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 940700
 Ion Ratio Lower Upper
 82 100
 128 48.5 36.1 54.1
 54 44.1 41.4 62.2

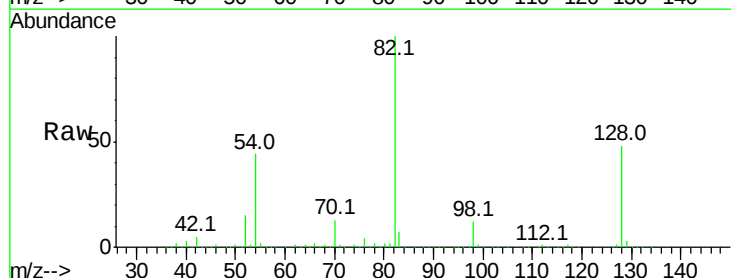


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

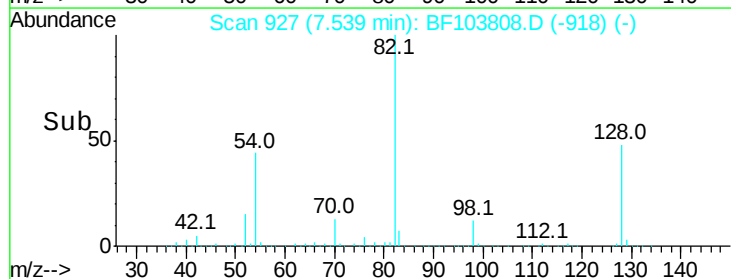
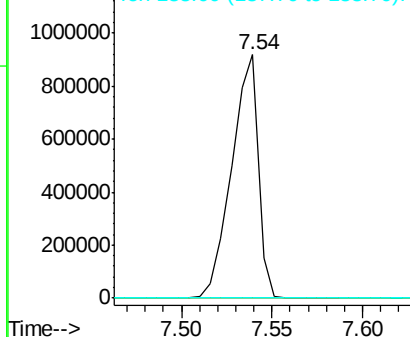


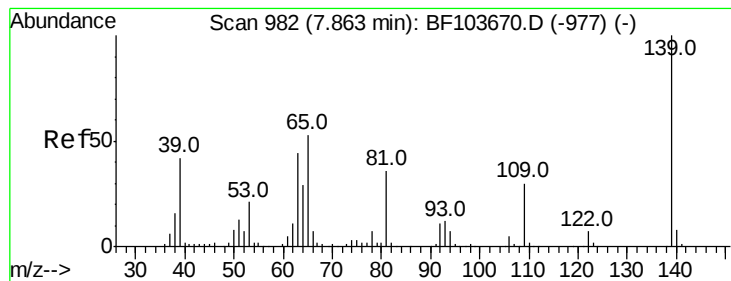
#25
 Isophorone
 Concen: 44.363 ng
 RT: 7.54 min Scan# 927
 Delta R.T. -0.25 min
 Lab File: BF103808.D
 Acq: 20 Mar 2018 17:58

Tgt Ion: 82 Resp: 938726
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#26

2-Nitrophenol

Concen: 9.469 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.07 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

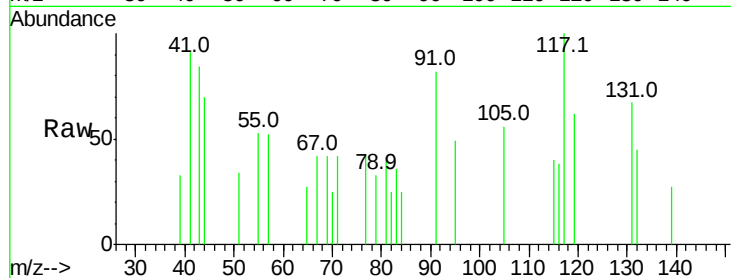
Tot Ion:139 Resp: 118

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

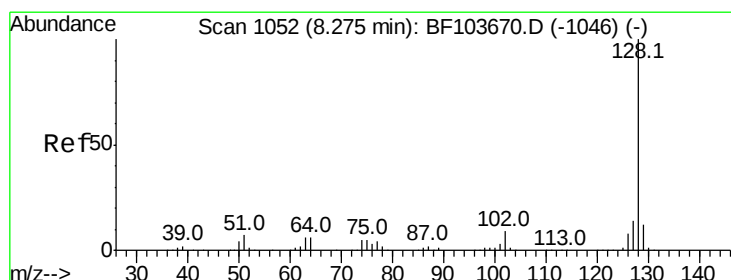
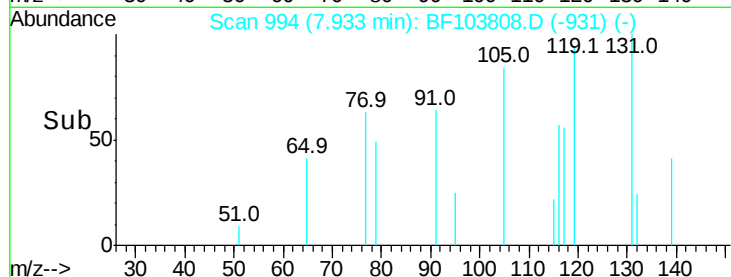
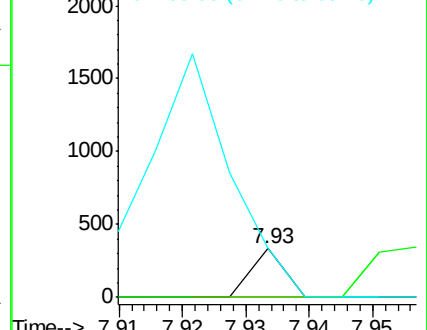
65 100.9 40.5 60.7#



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



#31

Naphthalene

Concen: 86.888 ng

RT: 8.29 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

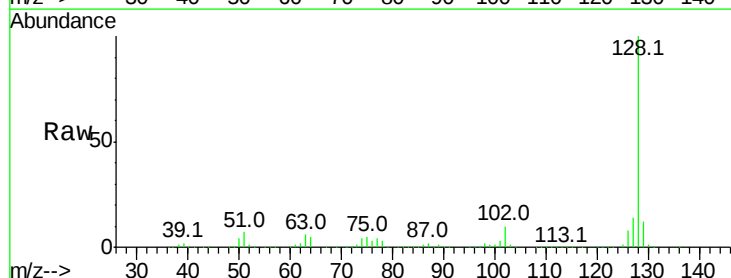
Tgt Ion:128 Resp: 2797742

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

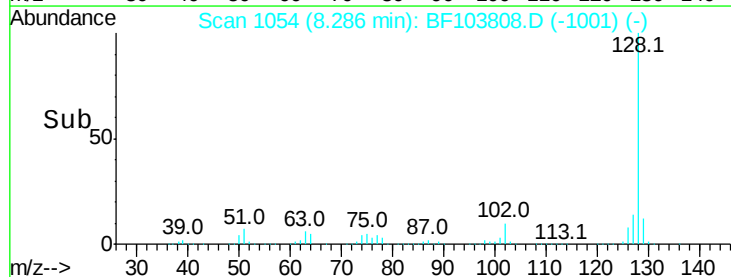
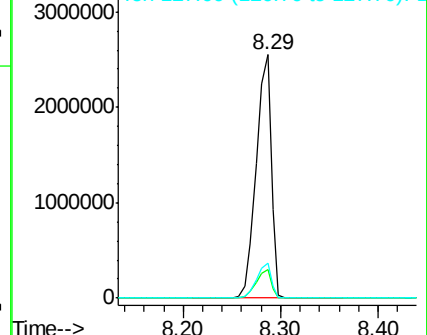
127 14.2 10.9 16.3

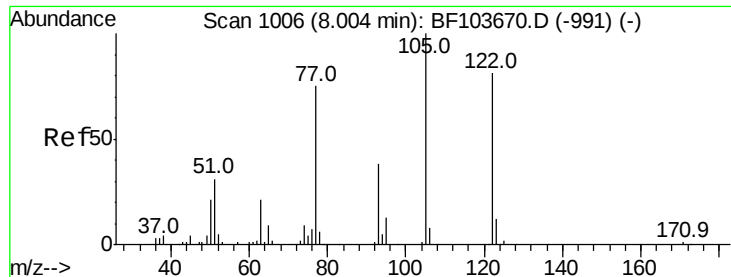


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

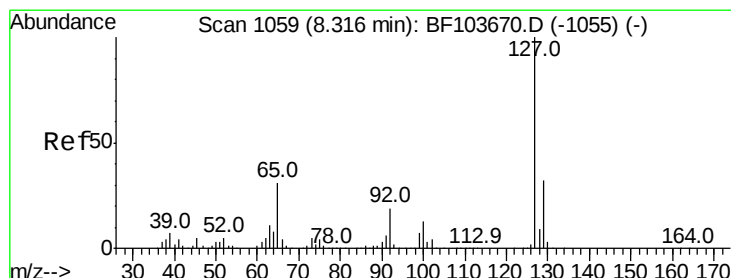
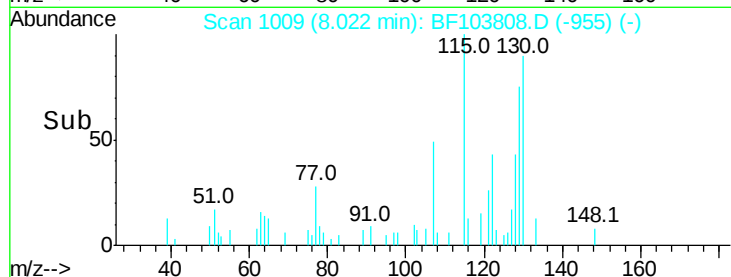
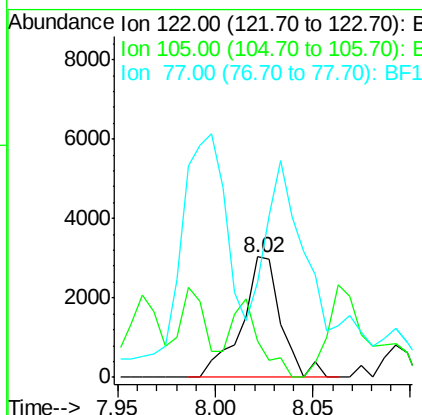
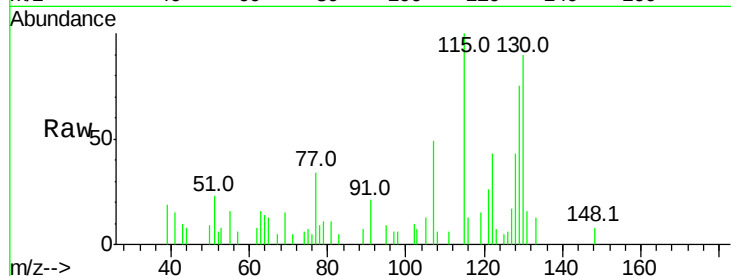




#32
Benzoic acid
Concen: 10.424 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.02 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

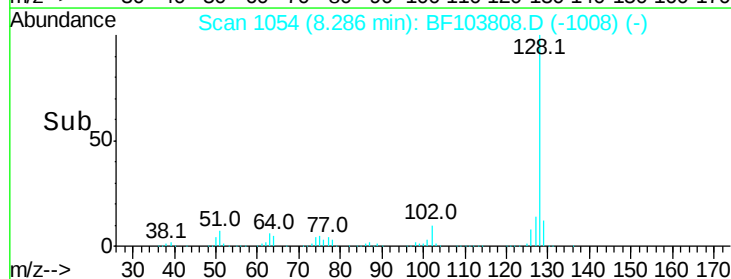
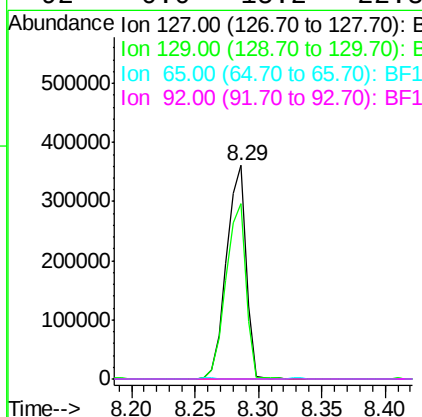
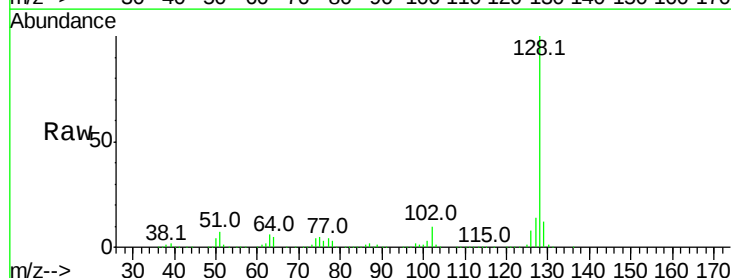
Instrument :
BNA_F
ClientSampled :

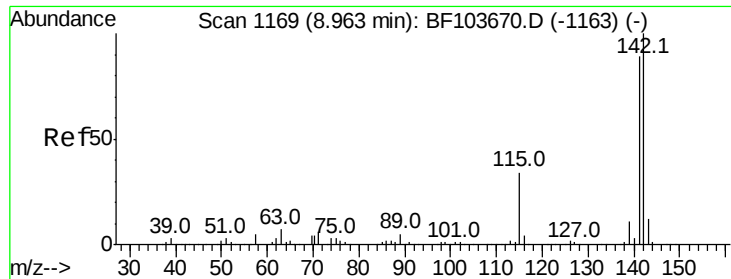
Tot Ion:122 Resp: 4185
Ion Ratio Lower Upper
122 100
105 30.4 101.1 141.1#
77 79.2 70.7 110.7



#33
4-Chloroaniline
Concen: 28.677 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:127 Resp: 387391
Ion Ratio Lower Upper
127 100
129 82.1 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

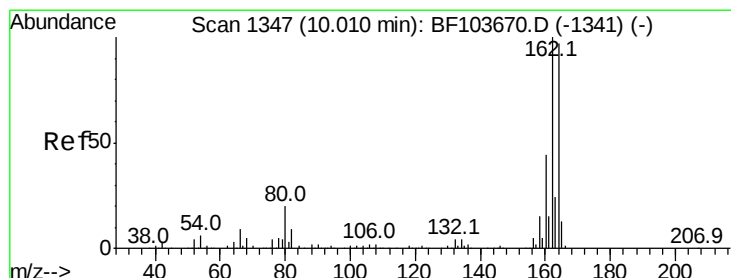
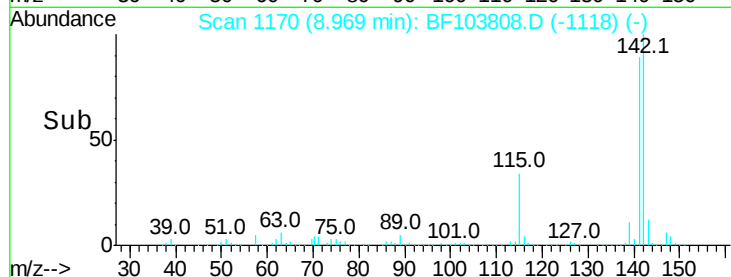
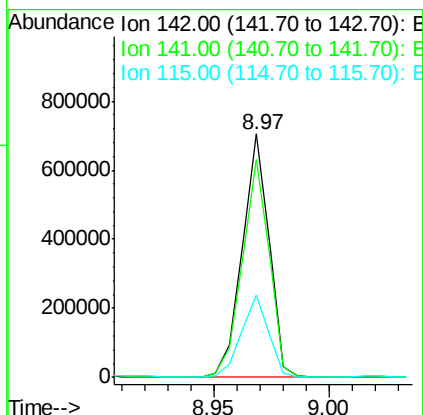
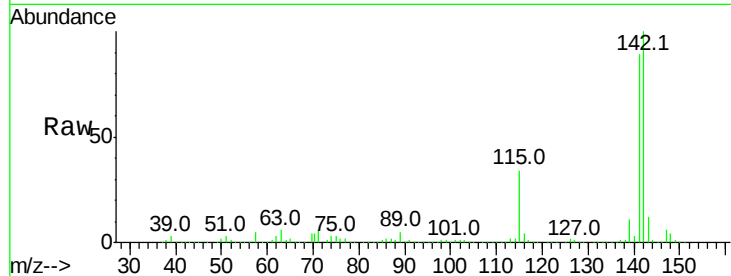




#37
2-Methylnaphthalene
Concen: 28.049 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

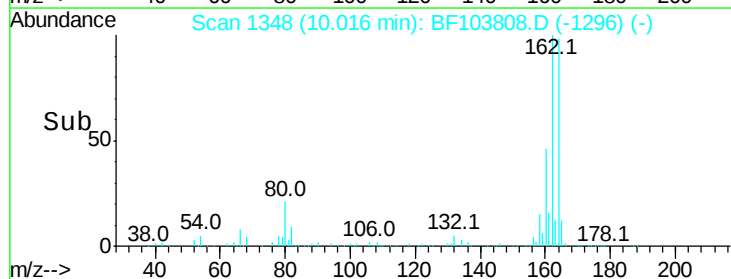
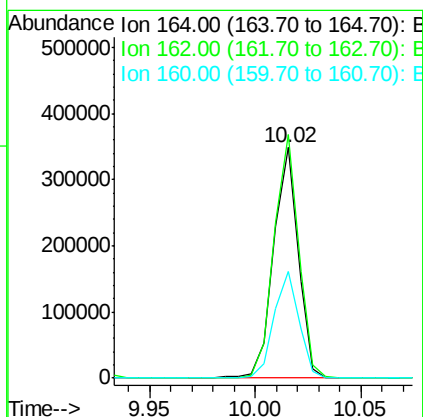
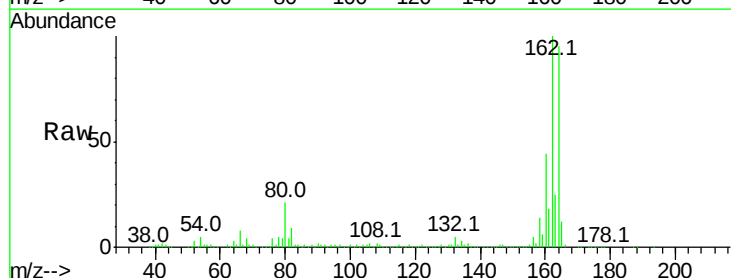
Instrument :
BNA_F
ClientSampleId :

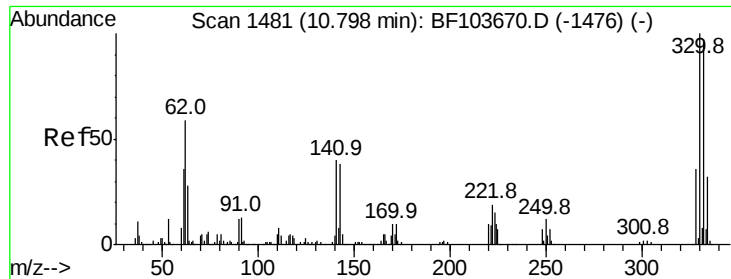
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2
115	33.9	26.1	39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	46.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 113.330 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

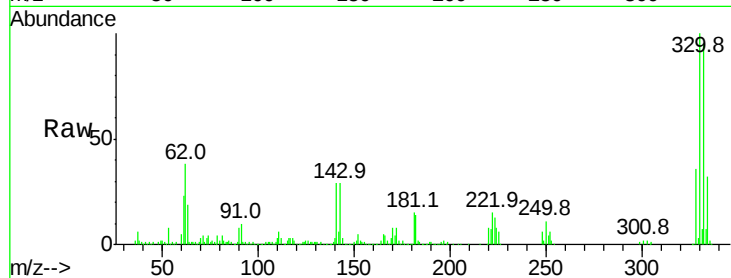
Tot Ion:330 Resp: 276510

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

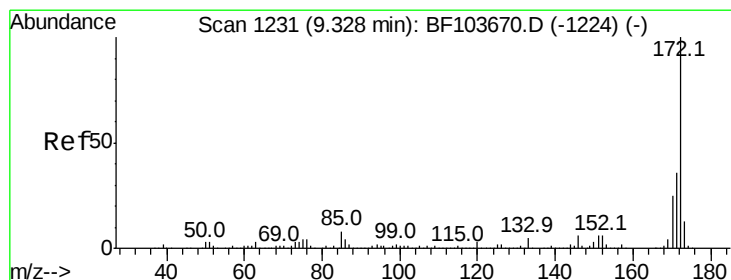
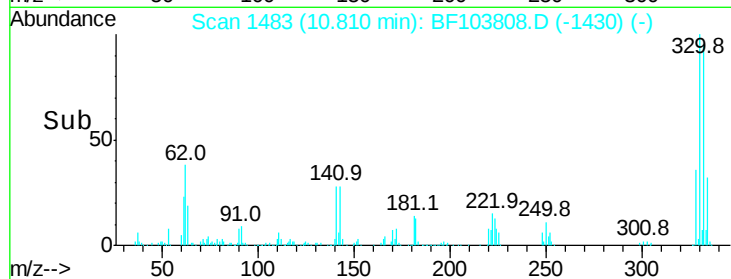
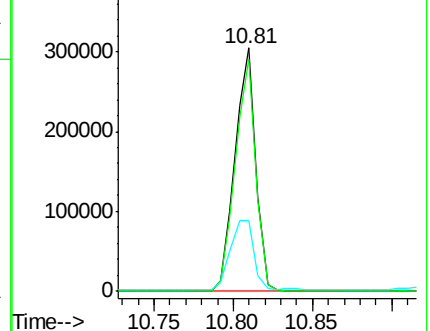
141 32.4 29.9 44.9



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: 75.562 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

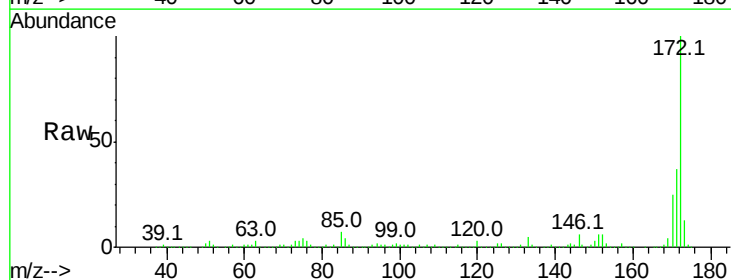
Tgt Ion:172 Resp: 1344209

Ion Ratio Lower Upper

172 100

171 36.8 29.7 44.5

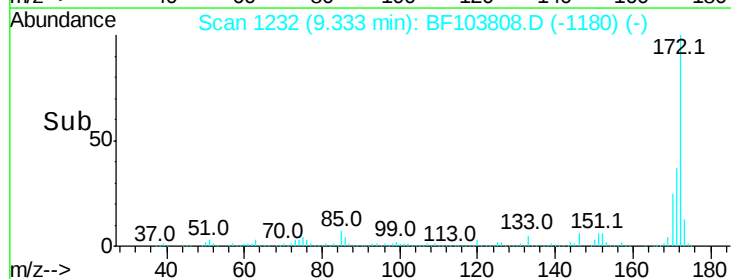
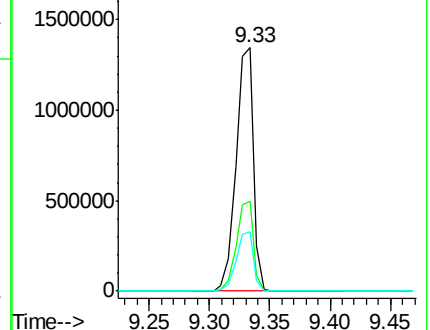
170 24.5 19.6 29.4

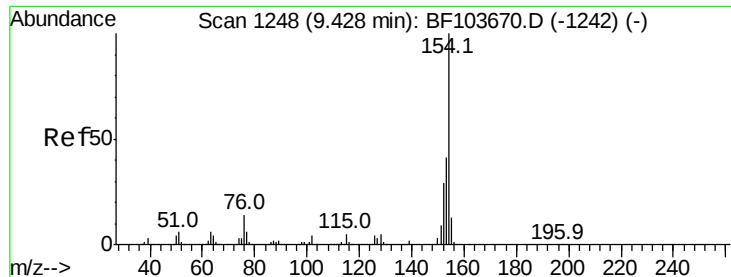


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 6.479 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampled :

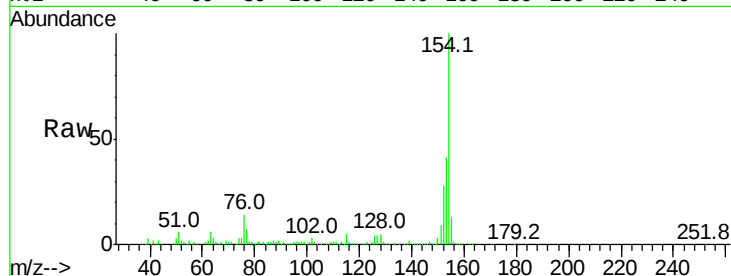
Tot Ion:154 Resp: 153318

Ion Ratio Lower Upper

154 100

153 41.2 21.3 61.3

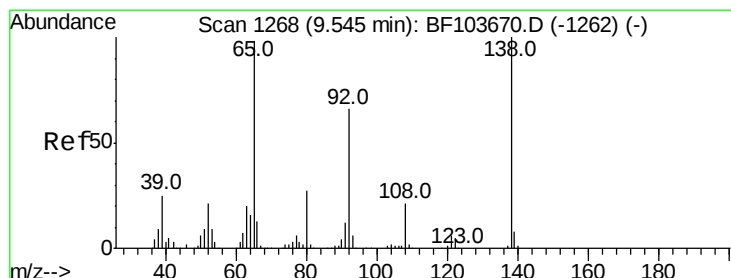
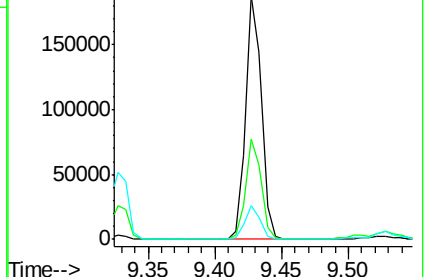
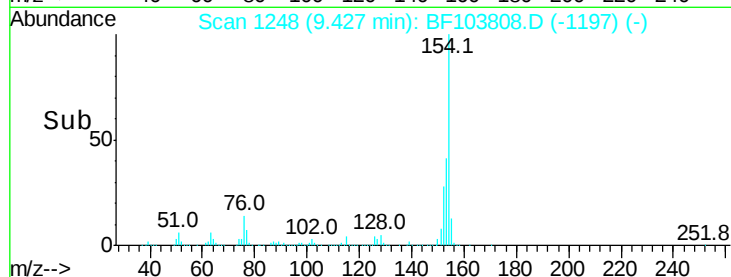
76 13.8 0.0 34.0



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: 7.080 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

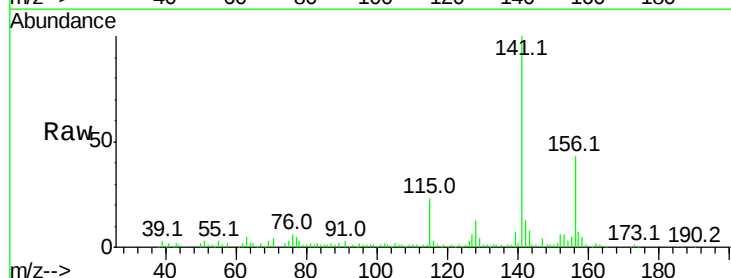
Tgt Ion: 65 Resp: 1523

Ion Ratio Lower Upper

65 100

92 20.0 55.8 83.6#

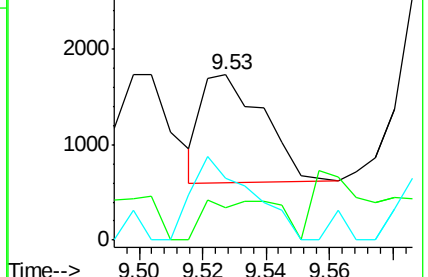
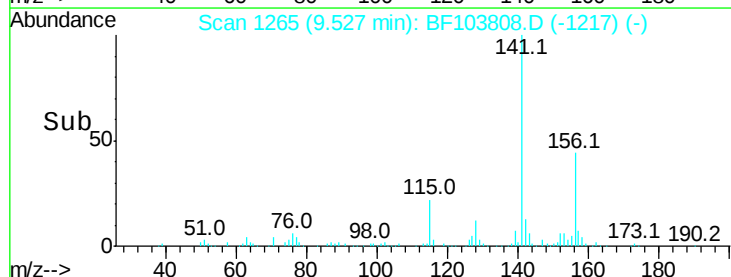
138 37.6 91.2 136.8#

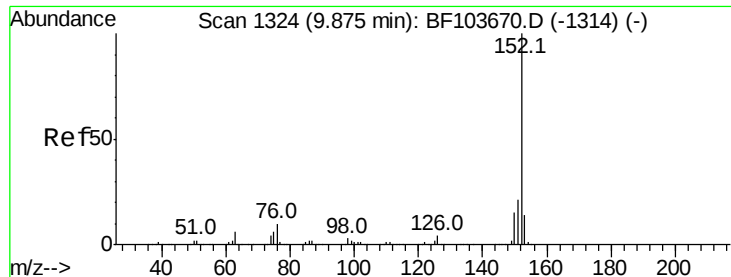


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 26.125 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

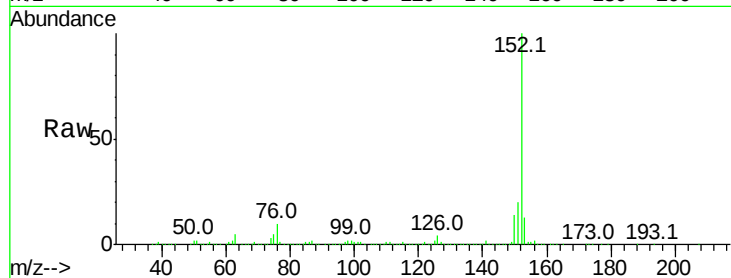
Tot Ion:152 Resp: 761379

Ion Ratio Lower Upper

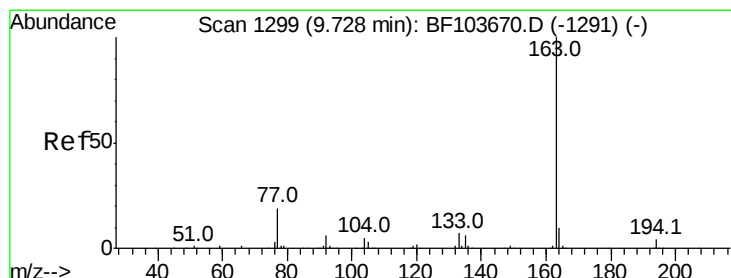
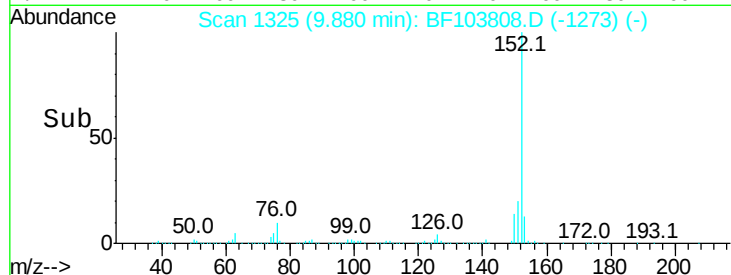
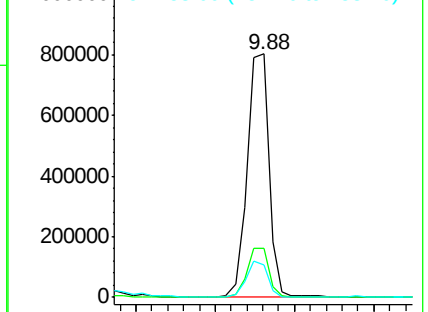
152 100

151 20.3 16.3 24.5

153 13.2 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



#49

Dimethylphthalate

Concen: 7.260 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

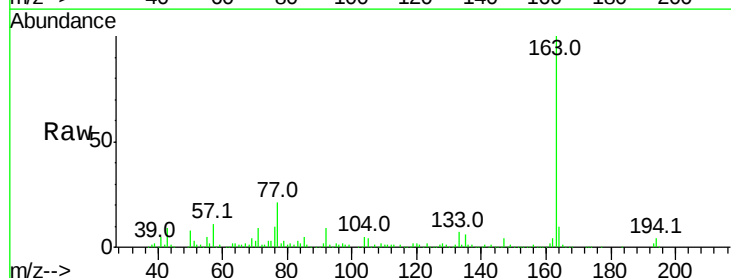
Tgt Ion:163 Resp: 157189

Ion Ratio Lower Upper

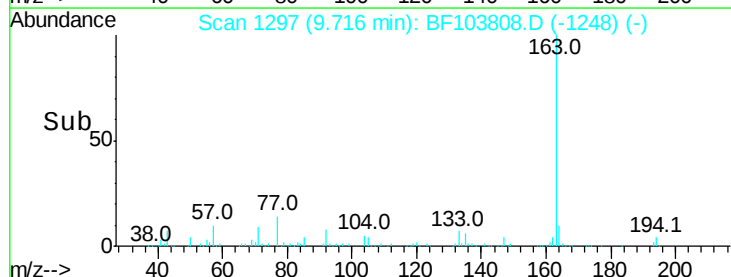
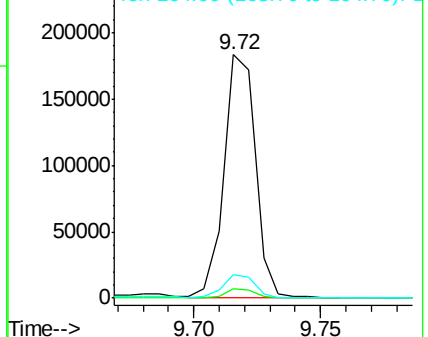
163 100

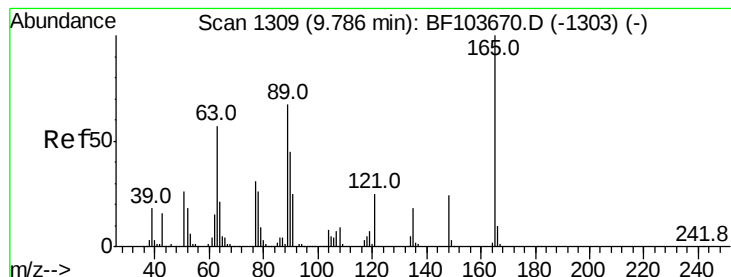
194 3.7 2.7 4.1

164 9.9 8.2 12.2



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





#50

2,6-Dinitrotoluene

Concen: 5.017 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.08 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampled :

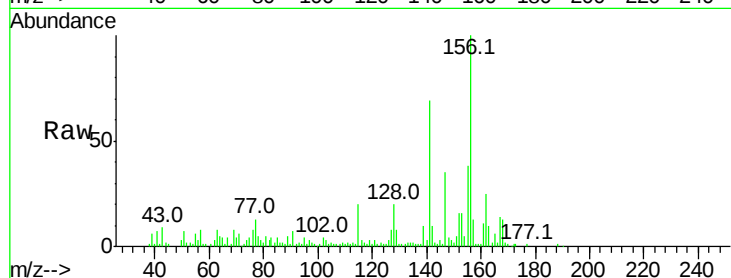
Tot Ion:165 Resp: 4721

Ion Ratio Lower Upper

165 100

63 142.5 44.7 67.1#

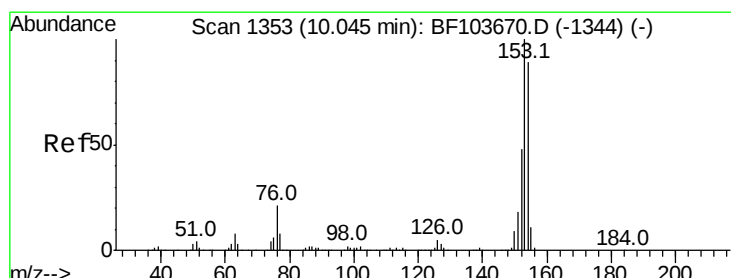
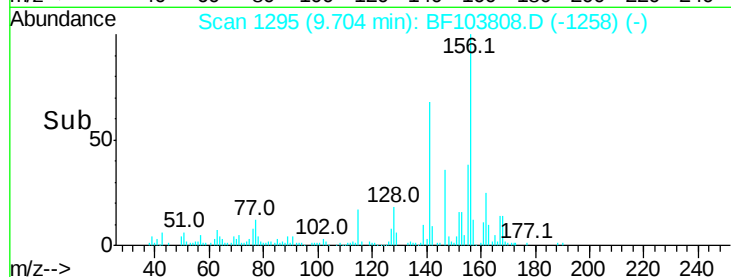
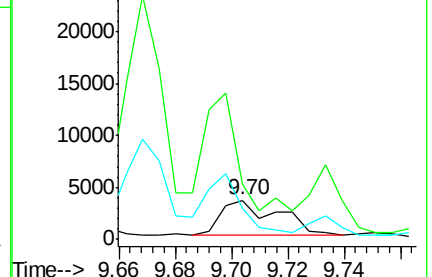
89 79.5 44.0 66.0#



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: 10.594 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

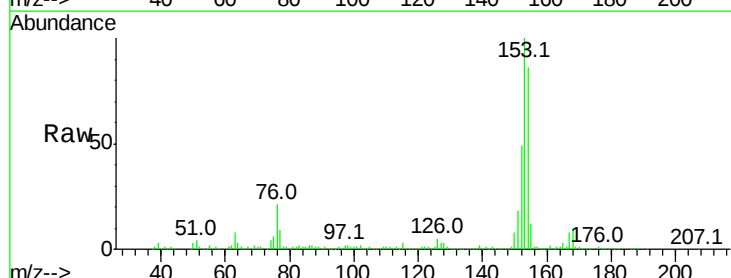
Tgt Ion:154 Resp: 183332

Ion Ratio Lower Upper

154 100

153 115.9 91.2 136.8

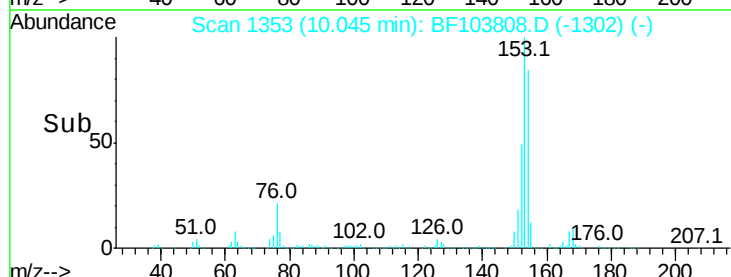
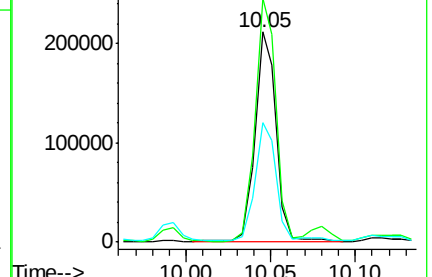
152 56.9 43.8 65.8

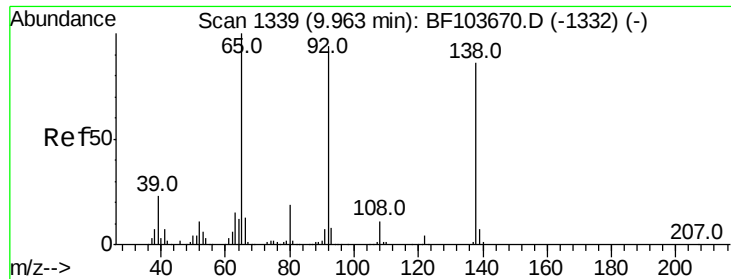


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

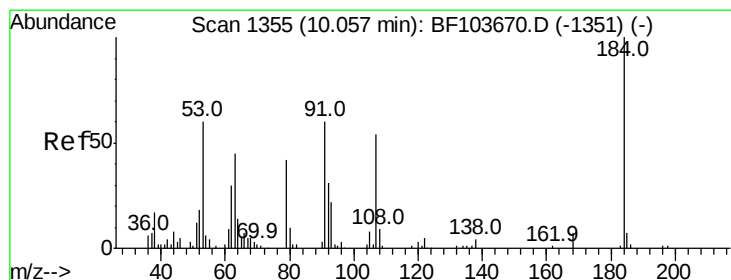
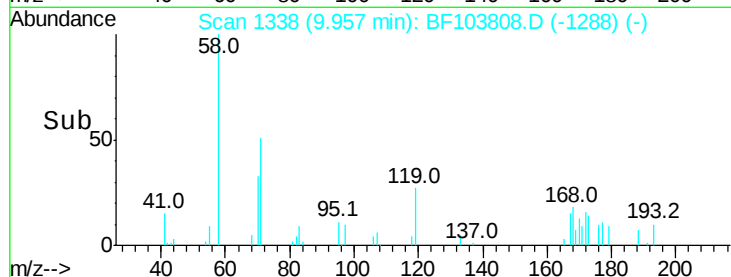
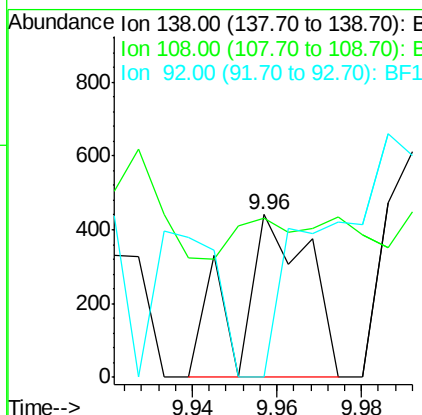
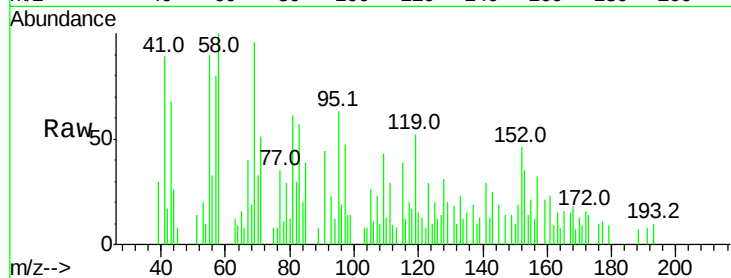




#52
3-Nitroaniline
Concen: 3.908 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

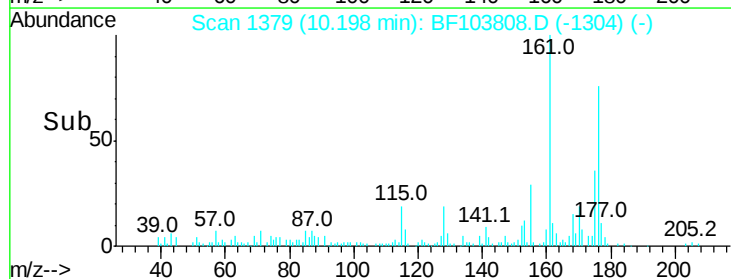
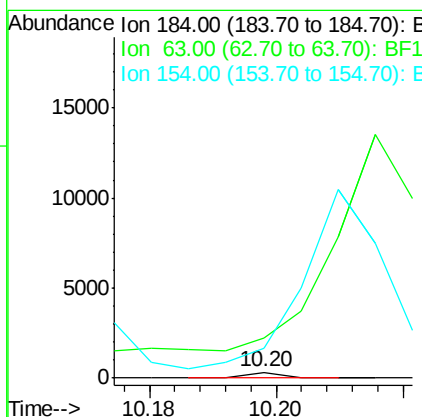
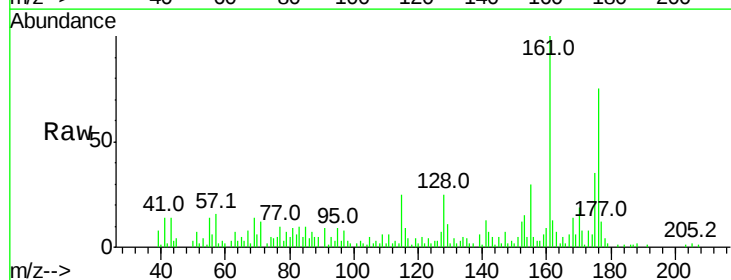
Instrument :
BNA_F
ClientSampleId :

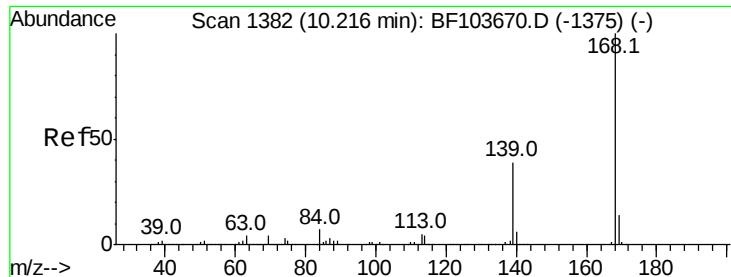
Tot Ion:138 Resp: 513
Ion Ratio Lower Upper
138 100
108 98.2 9.4 14.0#
92 0.0 89.4 134.2#



#53
2,4-Dinitrophenol
Concen: 6.479 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.14 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
63 708.5 54.2 81.2#
154 516.6 184.0 276.0#





#54

Dibenzofuran

Concen: 8.316 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

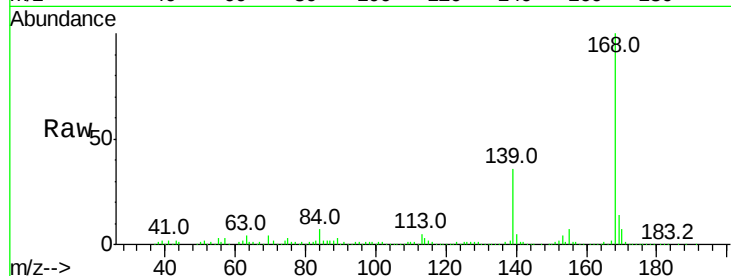
Tot Ion:168 Resp: 205530

Ion Ratio Lower Upper

168 100

139 35.6 30.1 45.1

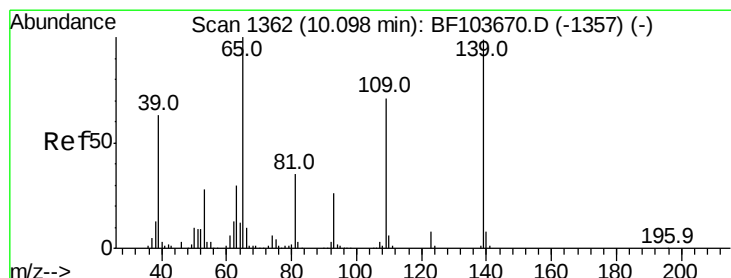
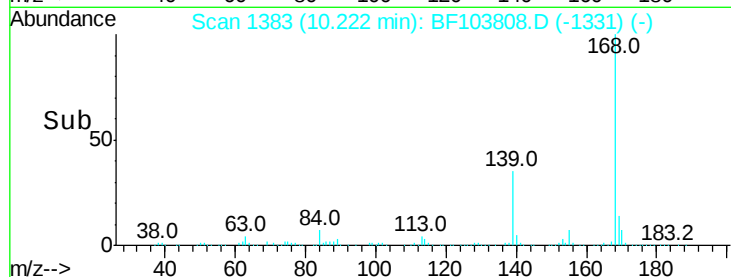
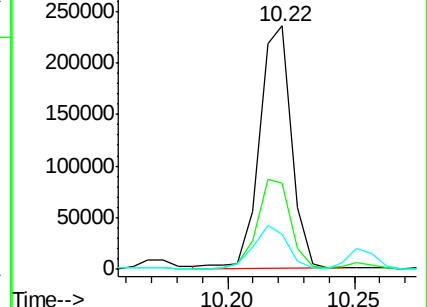
169 14.5 10.9 16.3



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: 6.154 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.02 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

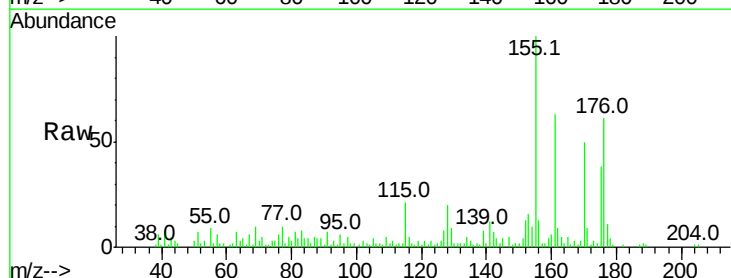
Tgt Ion:139 Resp: 5004

Ion Ratio Lower Upper

139 100

109 64.5 48.4 88.4

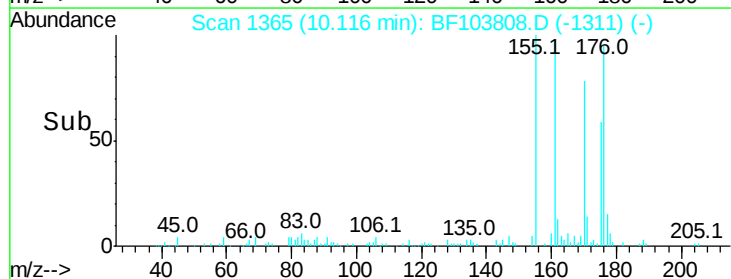
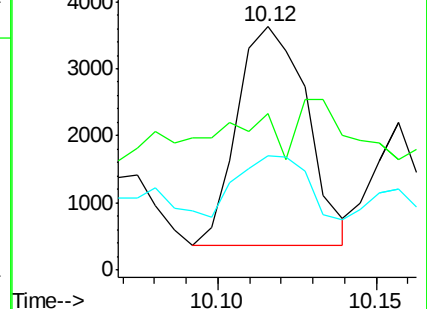
65 47.1 72.6 112.6#

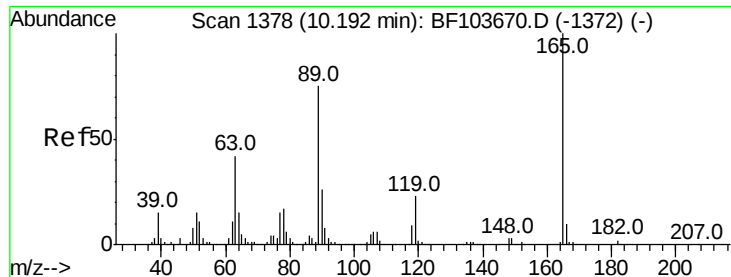


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

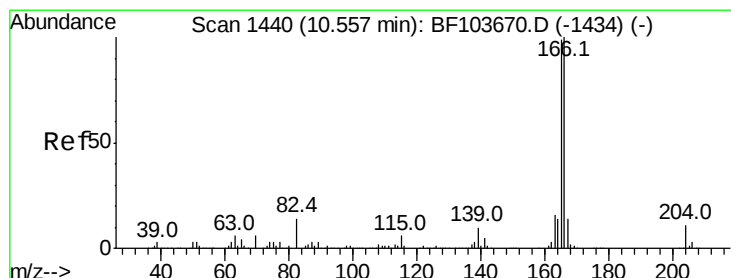
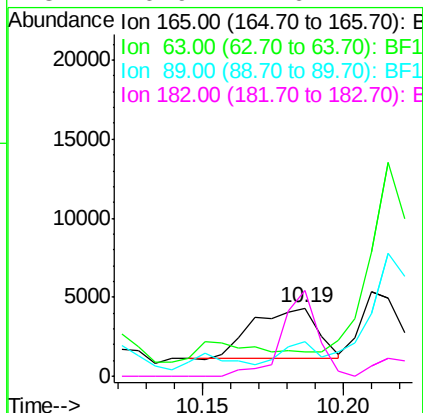
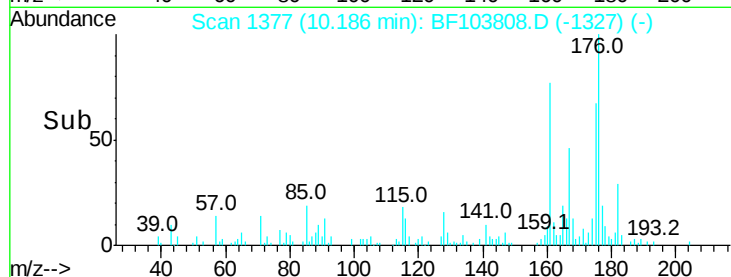
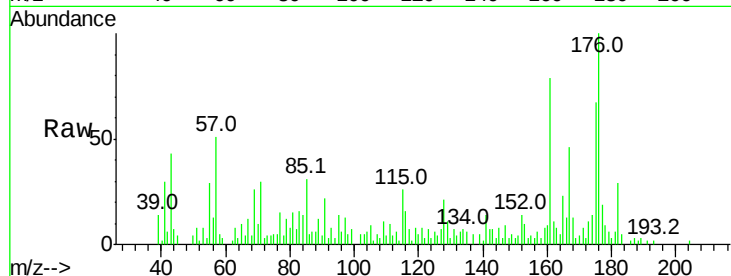




#56
2,4-Dinitrotoluene
Concen: 7.044 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

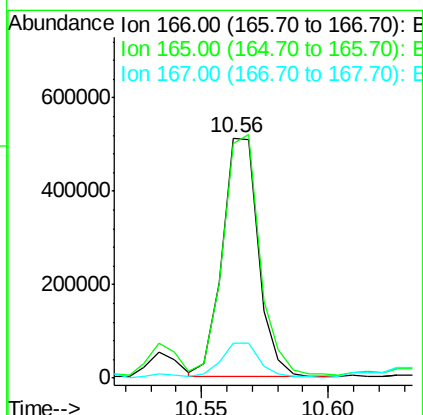
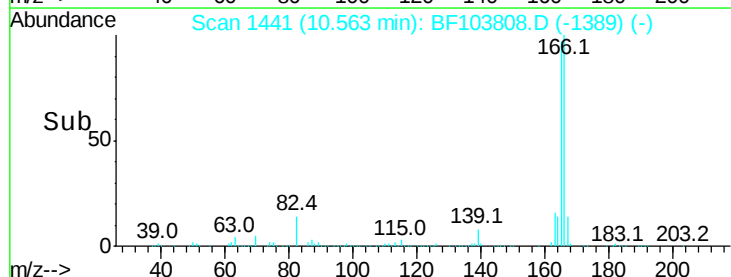
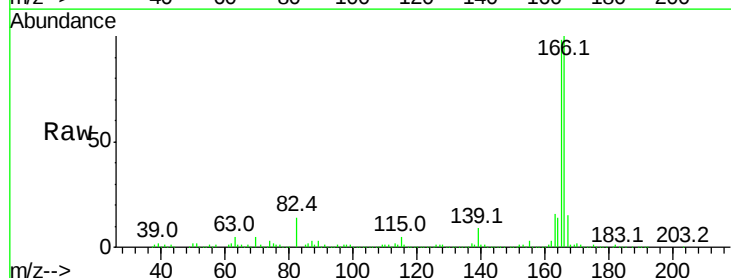
Instrument :
BNA_F
ClientSampleId :

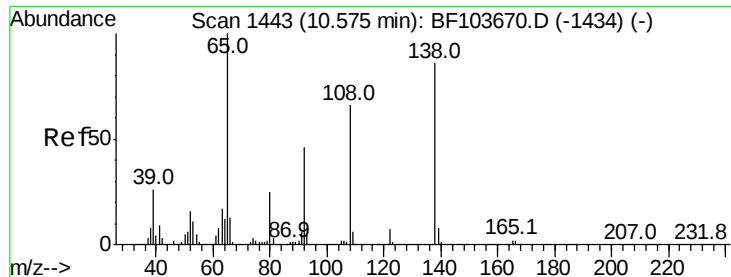
Tot Ion:165 Resp: 5060
Ion Ratio Lower Upper
165 100
63 36.4 36.4 54.6#
89 51.2 57.8 86.6#
182 126.9 1.6 2.4#



#57
Fluorene
Concen: 26.310 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:166 Resp: 504567
Ion Ratio Lower Upper
166 100
165 97.7 79.8 119.8
167 14.7 10.6 16.0

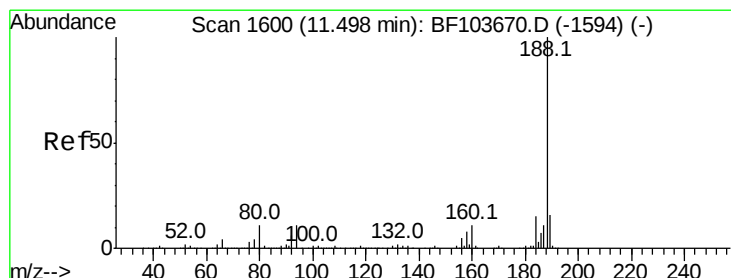
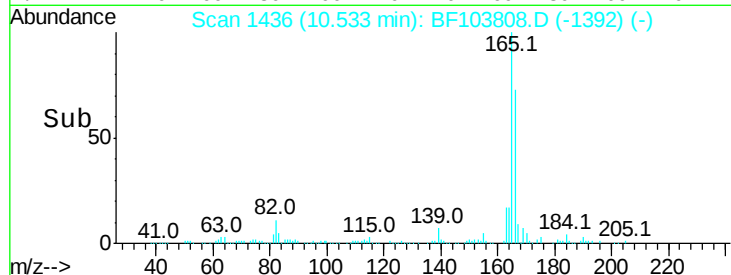
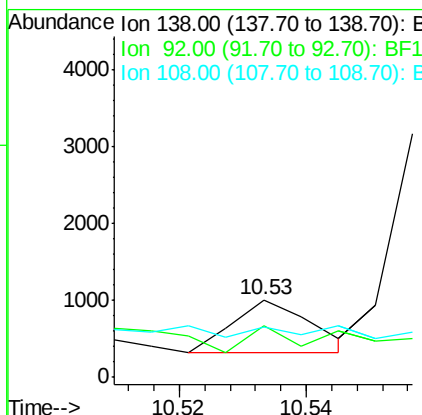
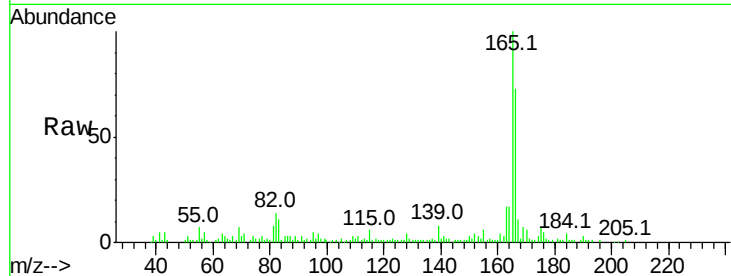




#61
4-Nitroaniline
Concen: 3.860 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.04 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

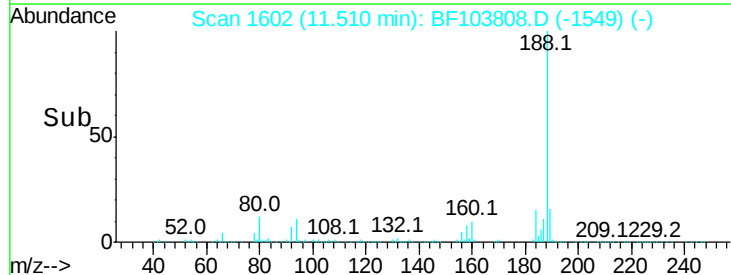
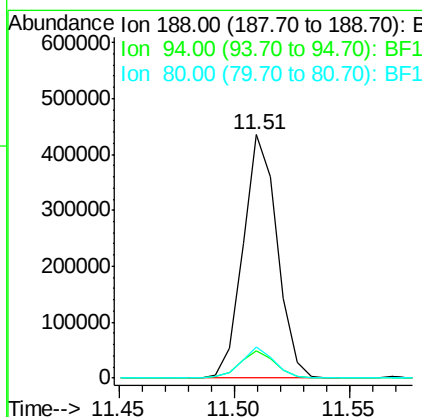
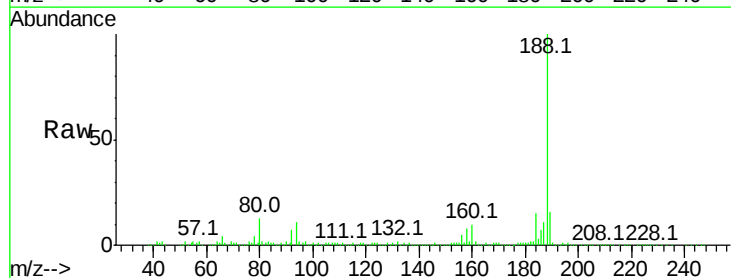
Instrument :
BNA_F
ClientSampleId :

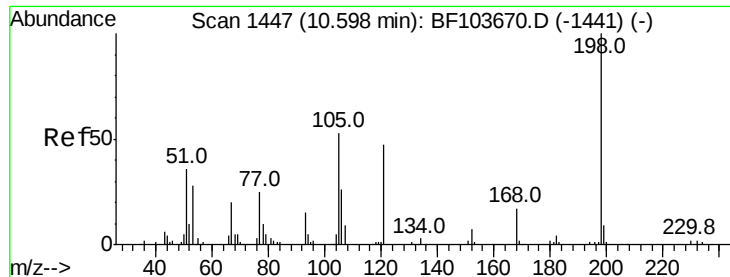
Tot Ion:138 Resp: 579
Ion Ratio Lower Upper
138 100
92 66.3 30.2 70.2
108 65.4 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:188 Resp: 447619
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.6 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.192 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.02 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampled :

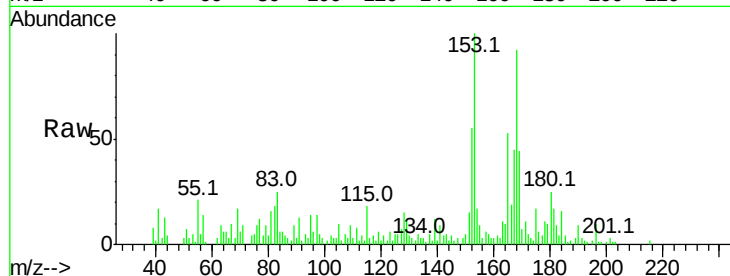
Tot Ion:198 Resp: 115

Ion Ratio Lower Upper

198 100

51 580.9 37.7 77.7#

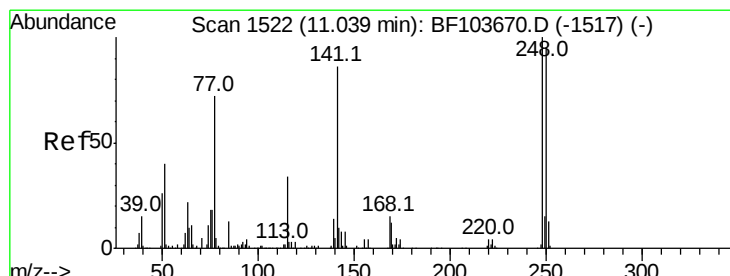
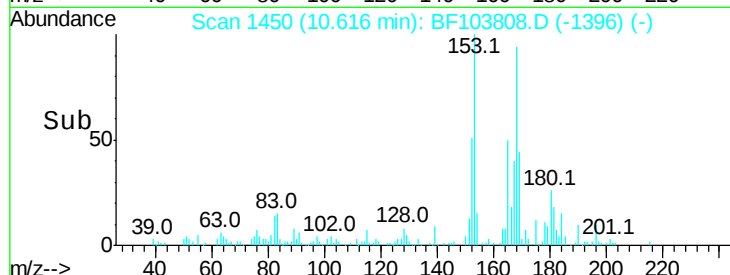
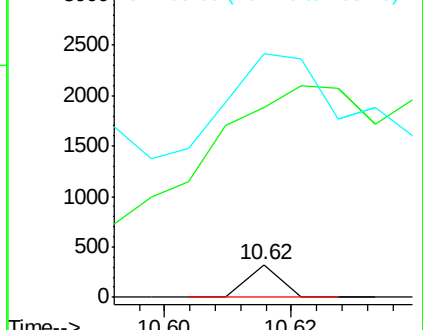
105 742.8 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.578 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.23 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

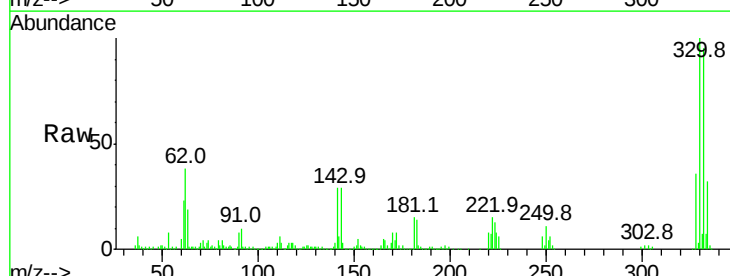
Tgt Ion:248 Resp: 16442

Ion Ratio Lower Upper

248 100

250 190.8 76.9 115.3#

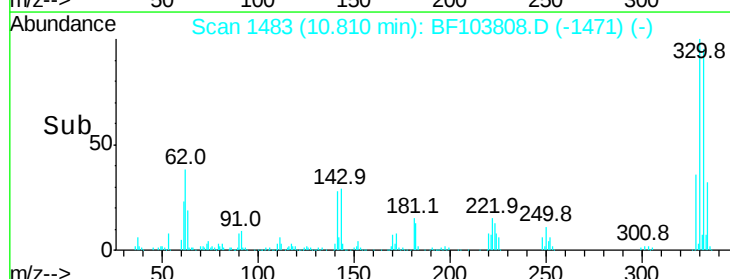
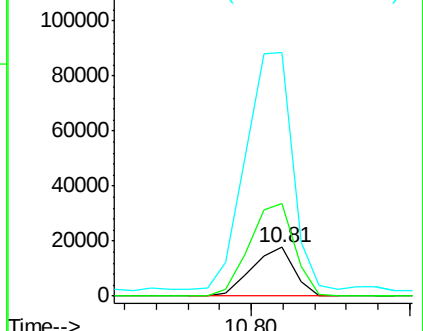
141 501.7 74.4 111.6#

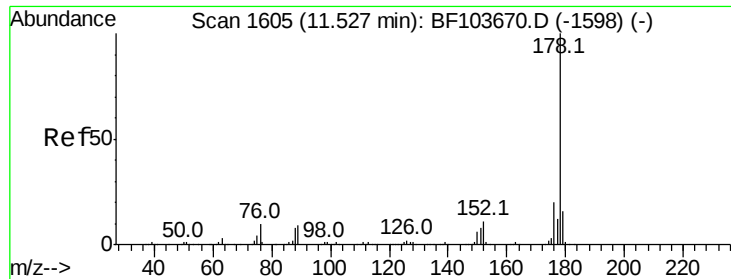


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

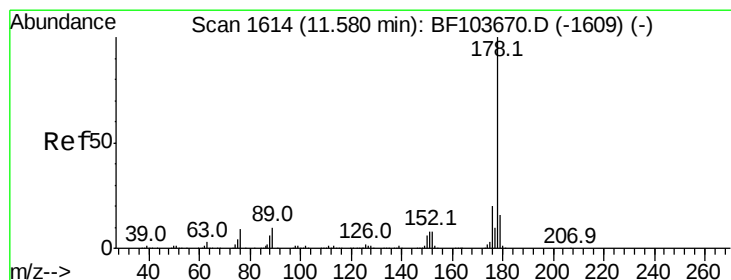
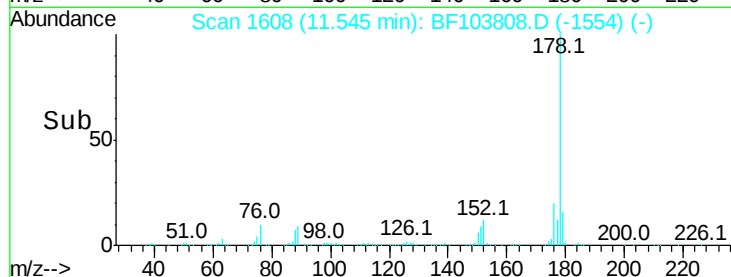
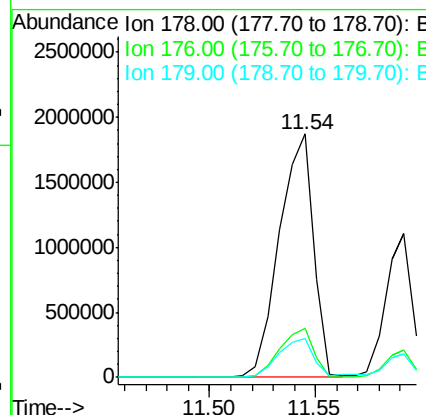
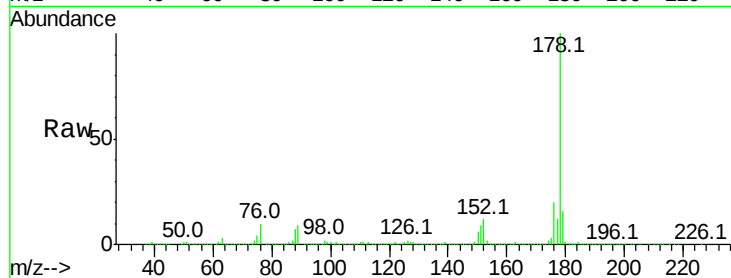




#70
Phenanthrene
Concen: 86.322 ng
RT: 11.54 min Scan# 1608
Delta R.T. 0.02 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

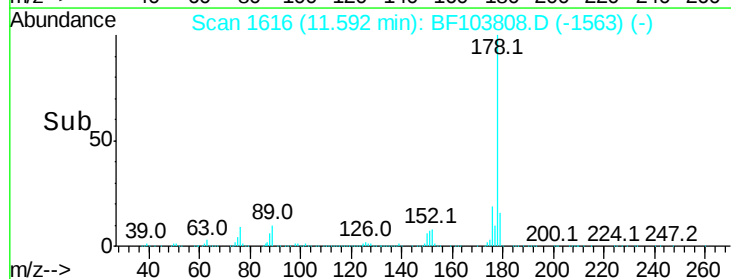
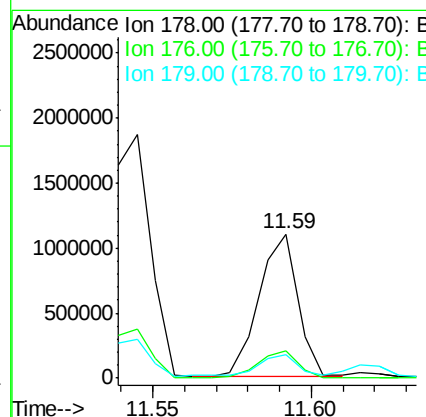
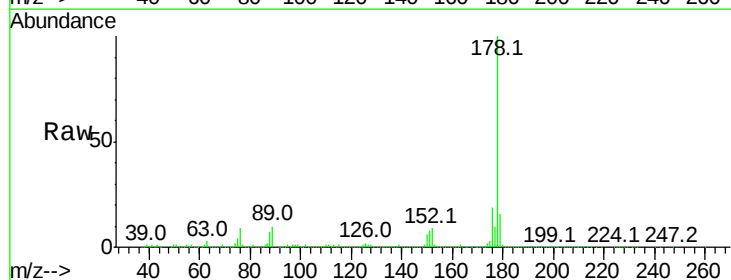
Instrument :
BNA_F
ClientSampled :

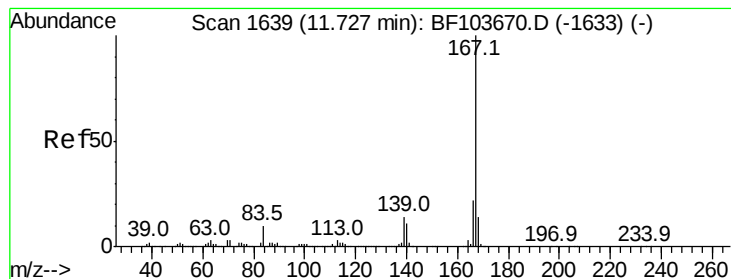
Tot Ion:178 Resp: 2113653
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 16.1 13.0 19.6



#71
Anthracene
Concen: 37.828 ng
RT: 11.59 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:178 Resp: 940751
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 16.1 12.6 19.0





#72

Carbazole

Concen: 7.842 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.01 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

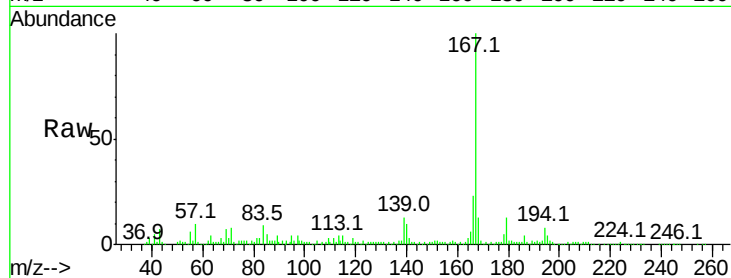
Tot Ion:167 Resp: 189565

Ion Ratio Lower Upper

167 100

166 22.8 17.6 26.4

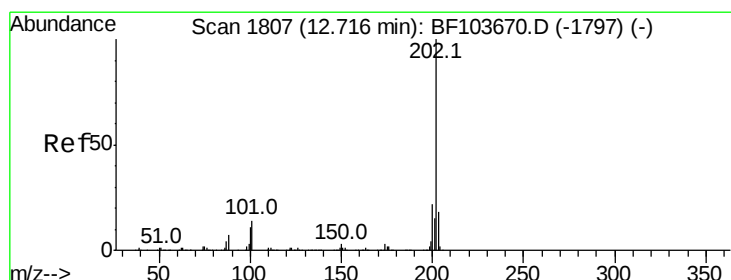
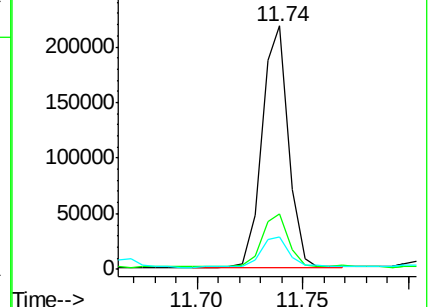
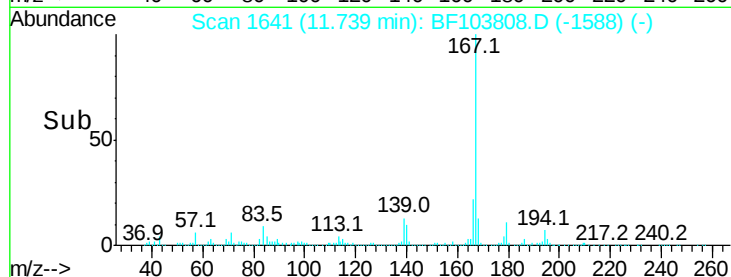
139 13.5 10.9 16.3



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: 91.113 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.03 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

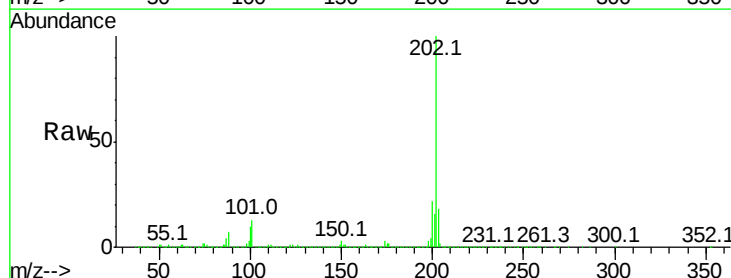
Tgt Ion:202 Resp: 2298401

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

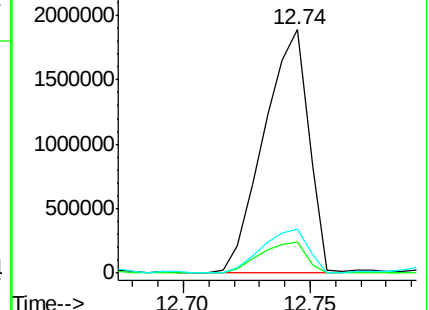
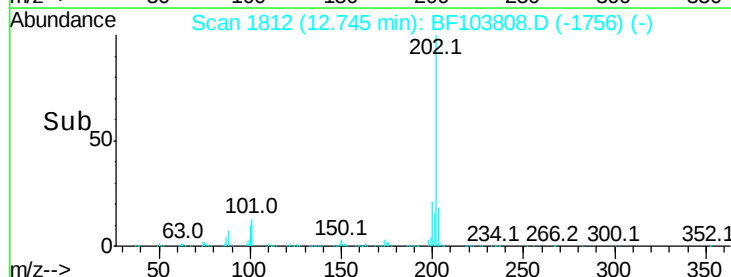
203 18.2 0.0 38.1

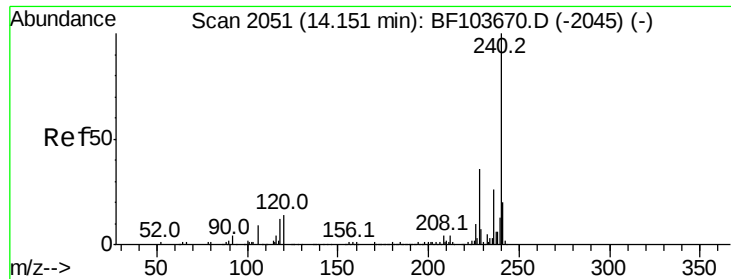


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.02 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

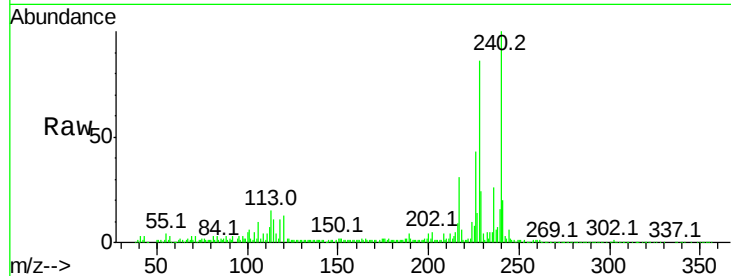
Tot Ion:240 Resp: 245276

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

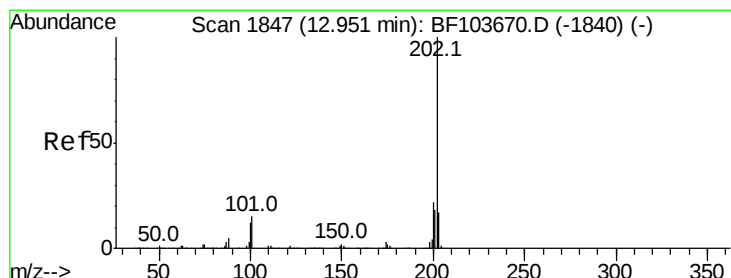
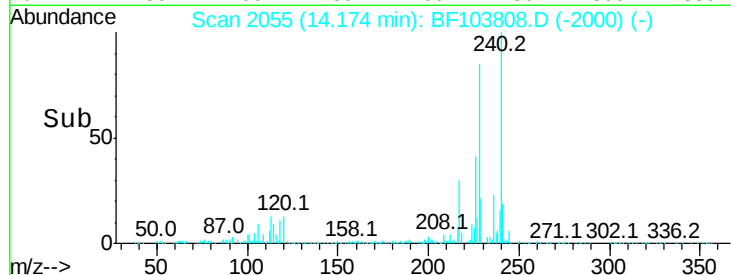
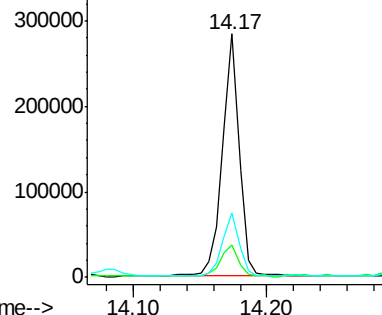
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 128.621 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.02 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

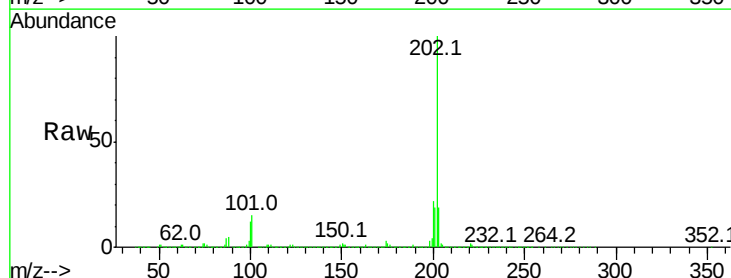
Tgt Ion:202 Resp: 2316835

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

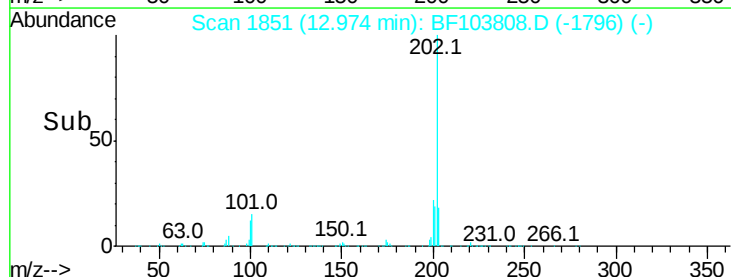
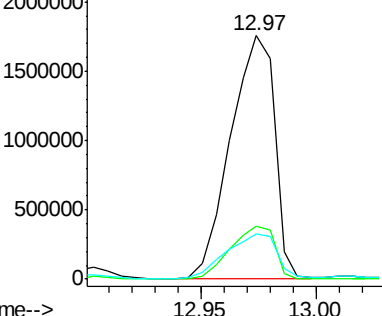
203 18.6 14.3 21.5

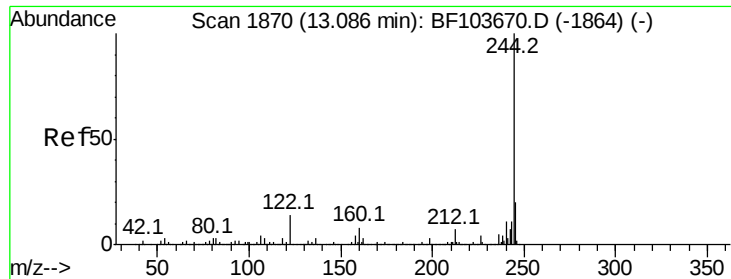


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

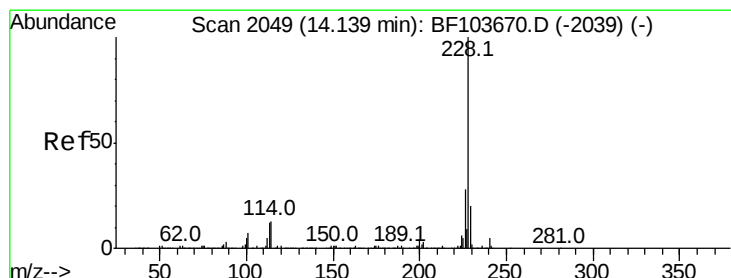
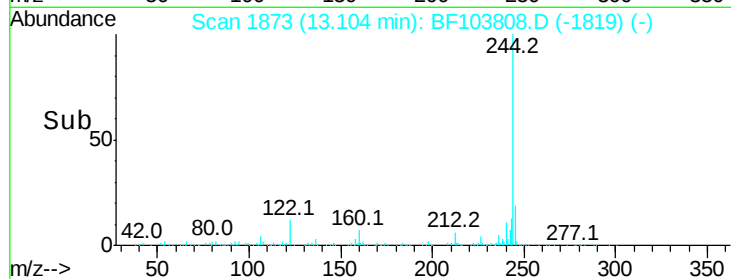
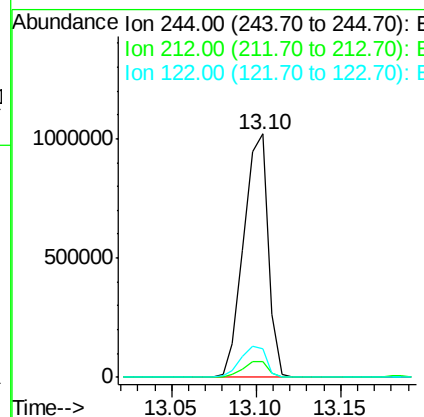
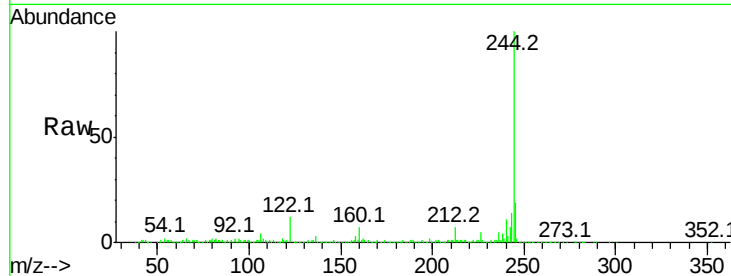




#78
 Terphenyl-d14
 Concen: 98.045 ng
 RT: 13.10 min Scan# 1873
 Delta R.T. 0.02 min
 Lab File: BF103808.D
 Acq: 20 Mar 2018 17:58

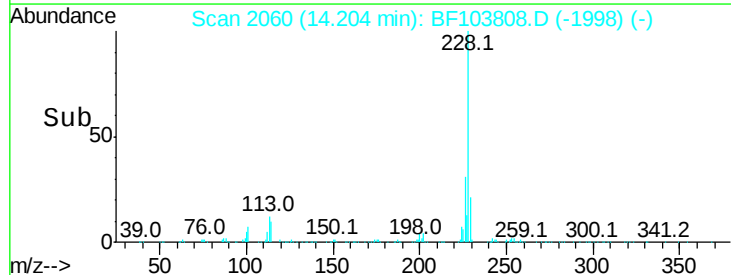
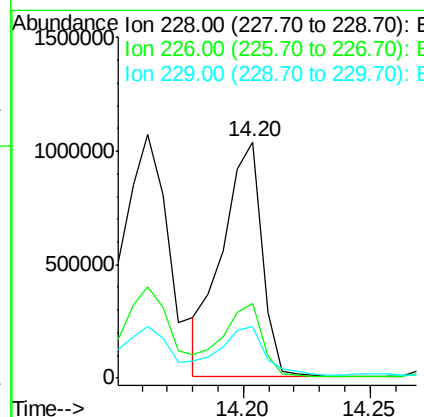
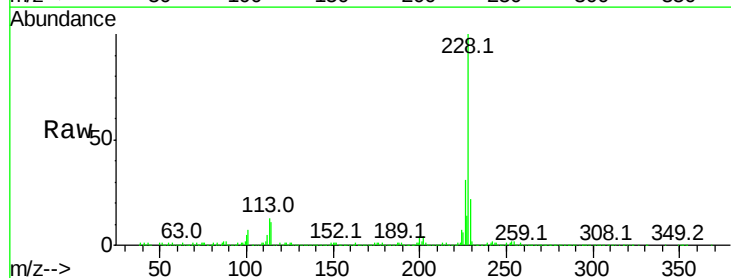
Instrument :
 BNA_F
 ClientSampleId :

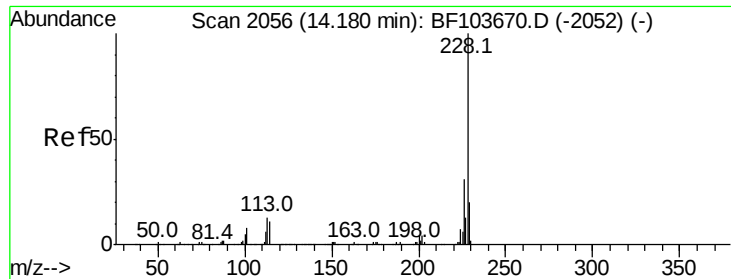
Tot Ion:244 Resp: 1036043
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 72.333 ng
 RT: 14.20 min Scan# 2060
 Delta R.T. 0.06 min
 Lab File: BF103808.D
 Acq: 20 Mar 2018 17:58

Tgt Ion:228 Resp: 1123032
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.6 33.8
 229 22.0 15.8 23.6

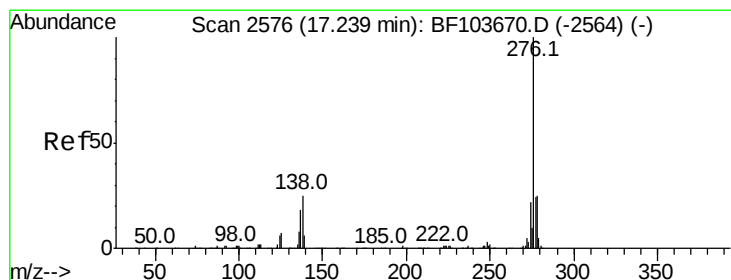
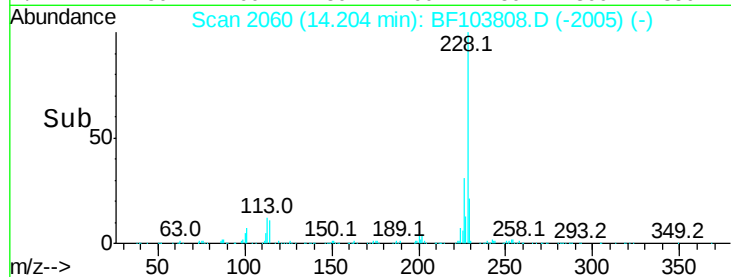
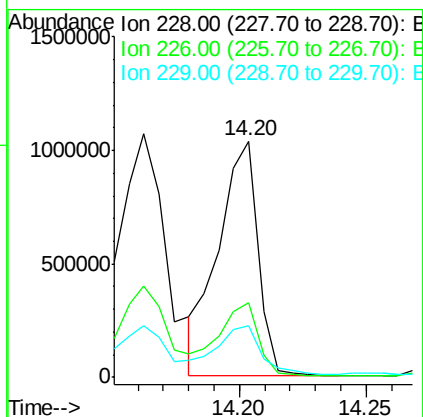
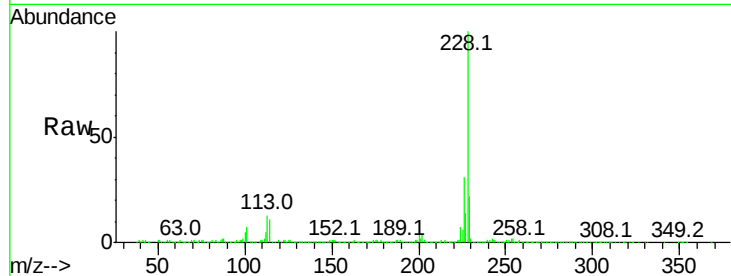




#82
Chrysene
Concen: 75.880 ng
RT: 14.20 min Scan# 2060
Delta R.T. 0.02 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

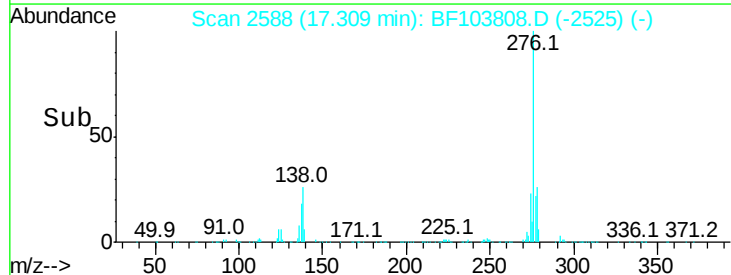
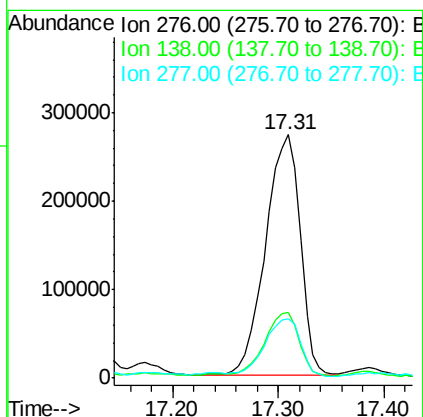
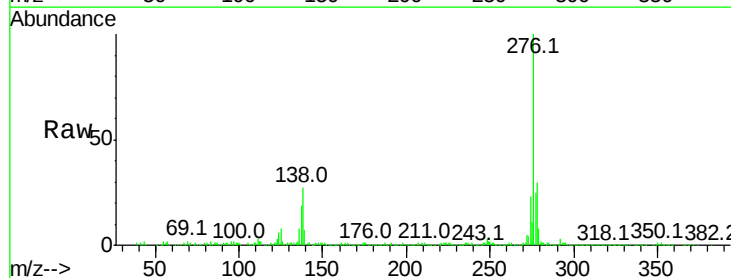
Instrument :
BNA_F
ClientSampled :

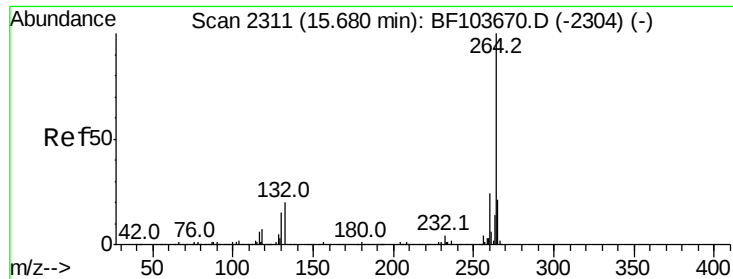
Tot Ion:228 Resp: 1123032
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 47.925 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.07 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:276 Resp: 619426
Ion Ratio Lower Upper
276 100
138 26.0 25.0 37.6
277 24.8 20.1 30.1

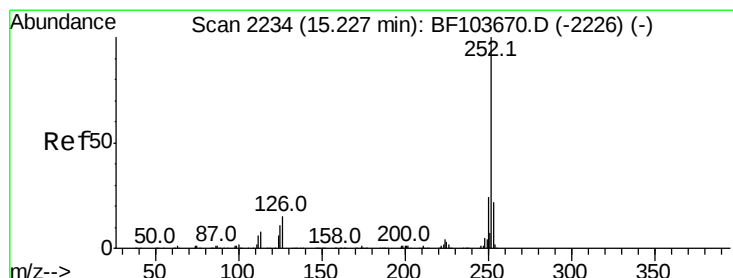
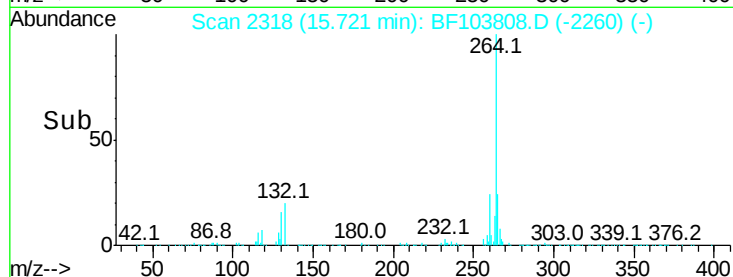
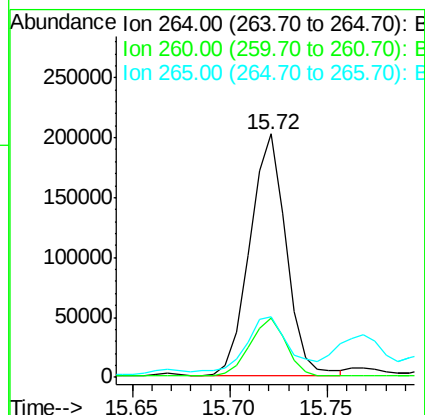
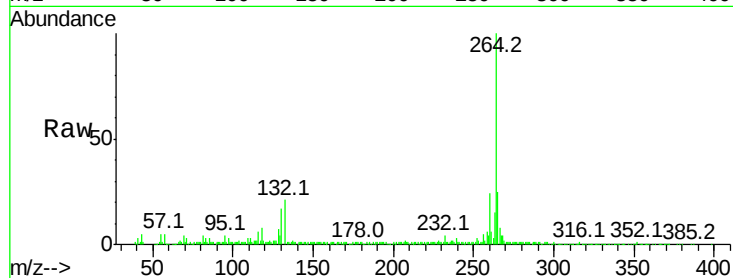




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2318
Delta R.T. 0.04 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

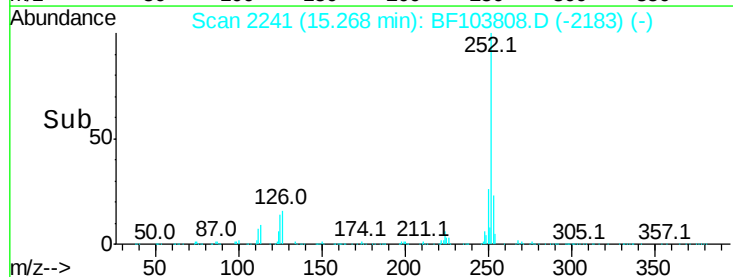
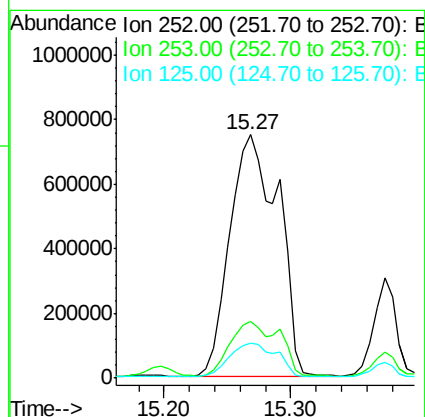
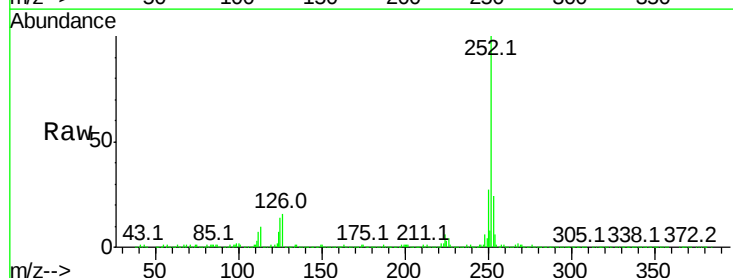
Instrument :
BNA_F
ClientSampleId :

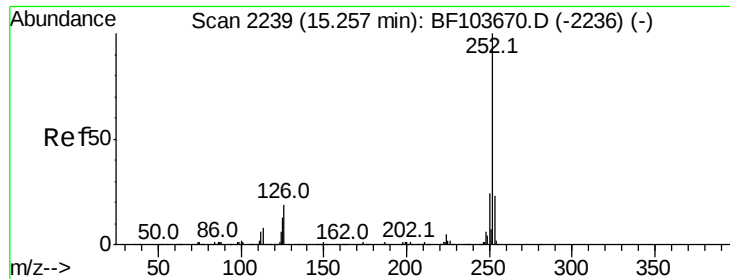
Tot Ion:264 Resp: 258530
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 24.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 121.945 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.04 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:252 Resp: 1991768
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 14.4 9.0 13.6#

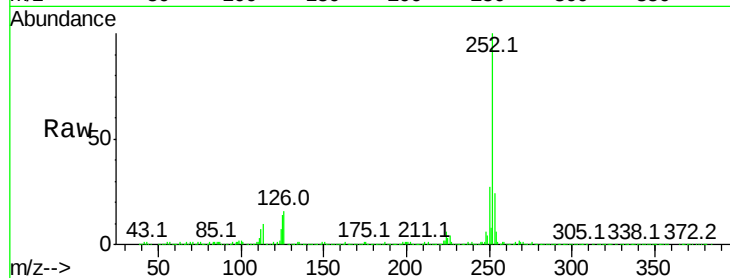




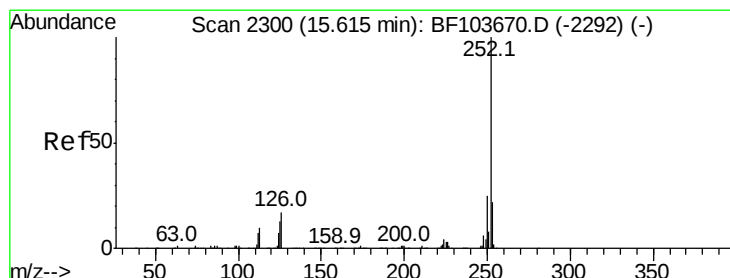
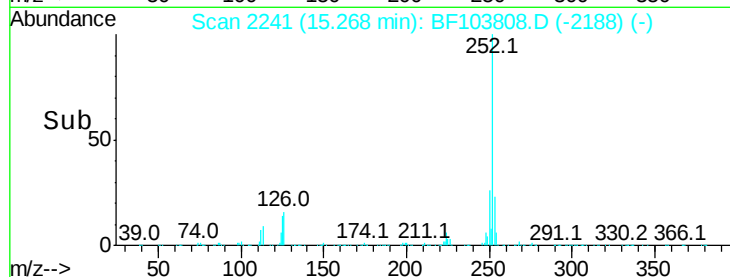
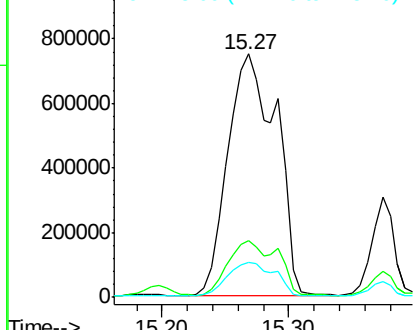
#88
Benzo(k)fluoranthene
Concen: 126.859 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1991768
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 14.4 10.2 15.2

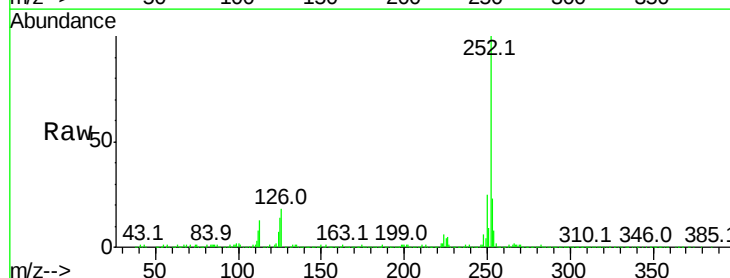


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

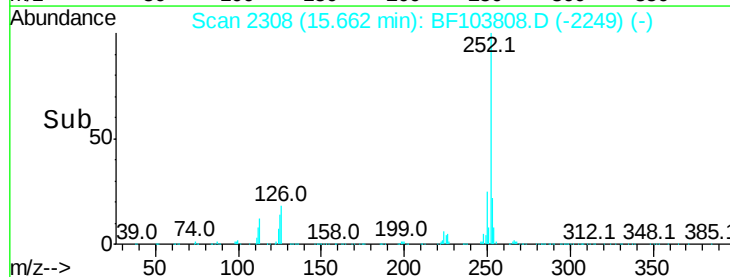
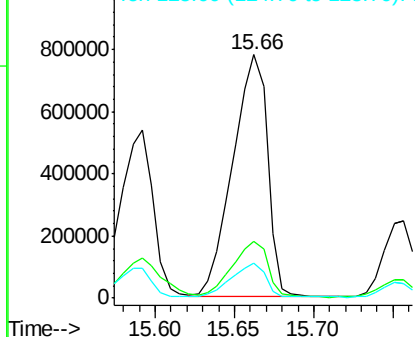


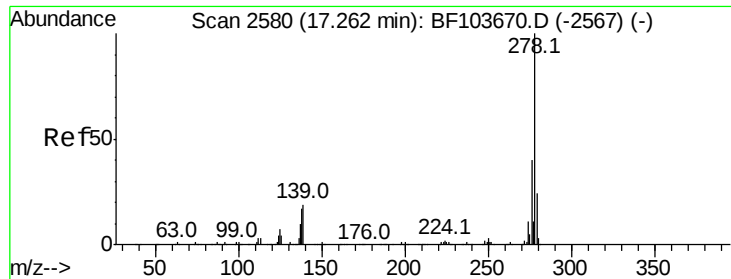
#89
Benzo(a)pyrene
Concen: 80.168 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.05 min
Lab File: BF103808.D
Acq: 20 Mar 2018 17:58

Tgt Ion:252 Resp: 1187638
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 14.3 9.8 14.6



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





#90

Dibenzo(a,h)anthracene

Concen: 13.280 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.05 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

Instrument :

BNA_F

ClientSampleId :

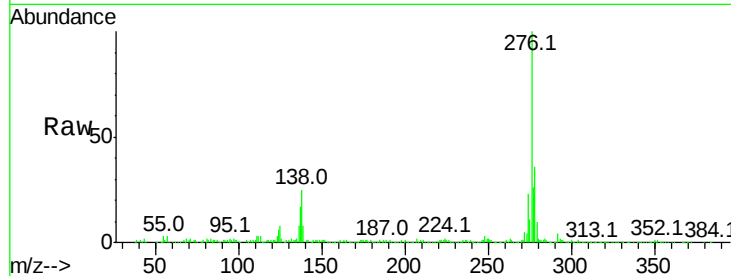
Tot Ion:278 Resp: 170351

Ion Ratio Lower Upper

278 100

139 21.9 15.9 23.9

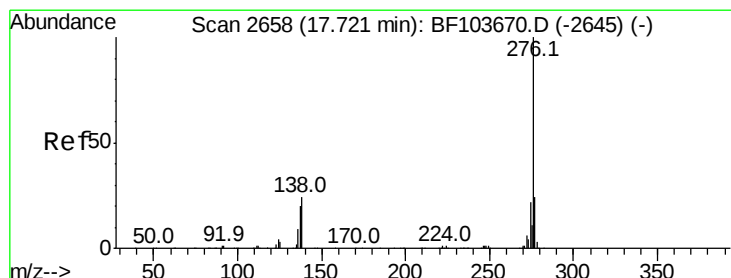
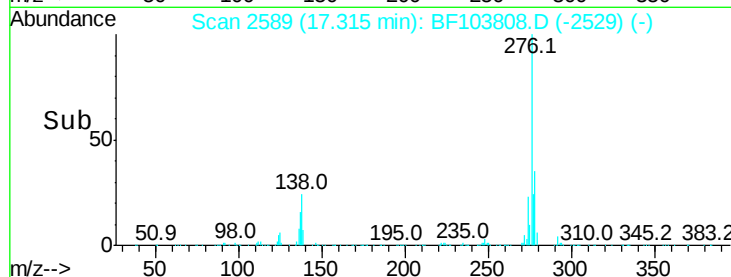
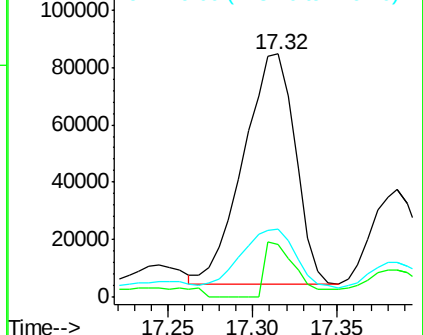
279 27.9 19.0 28.4



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: 44.987 ng

RT: 17.79 min Scan# 2670

Delta R.T. 0.07 min

Lab File: BF103808.D

Acq: 20 Mar 2018 17:58

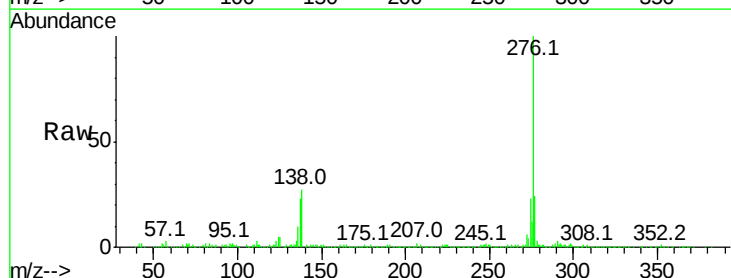
Tgt Ion:276 Resp: 561410

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 26.7 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

