

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103786.D
 Acq On : 20 Mar 2018 5:57
 Operator : JU/SJ
 Sample : J1946-01DL 50X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 07:01:48 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	141949	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	563838	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	252451	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	404413	20.00	ng	0.01
75) Chrysene-d12	14.16	240	291722	20.00	ng	0.01
86) Perylene-d12	15.70	264	259956	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	24171	2.59	ng	0.00
7) Phenol-d6	6.57	99	30523	2.67	ng	-0.01
23) Nitrobenzene-d5	7.53	82	15705	1.94	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	4691	2.16	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	34642	2.19	ng	0.00
78) Terphenyl-d14	13.09	244	28155	2.24	ng	0.00

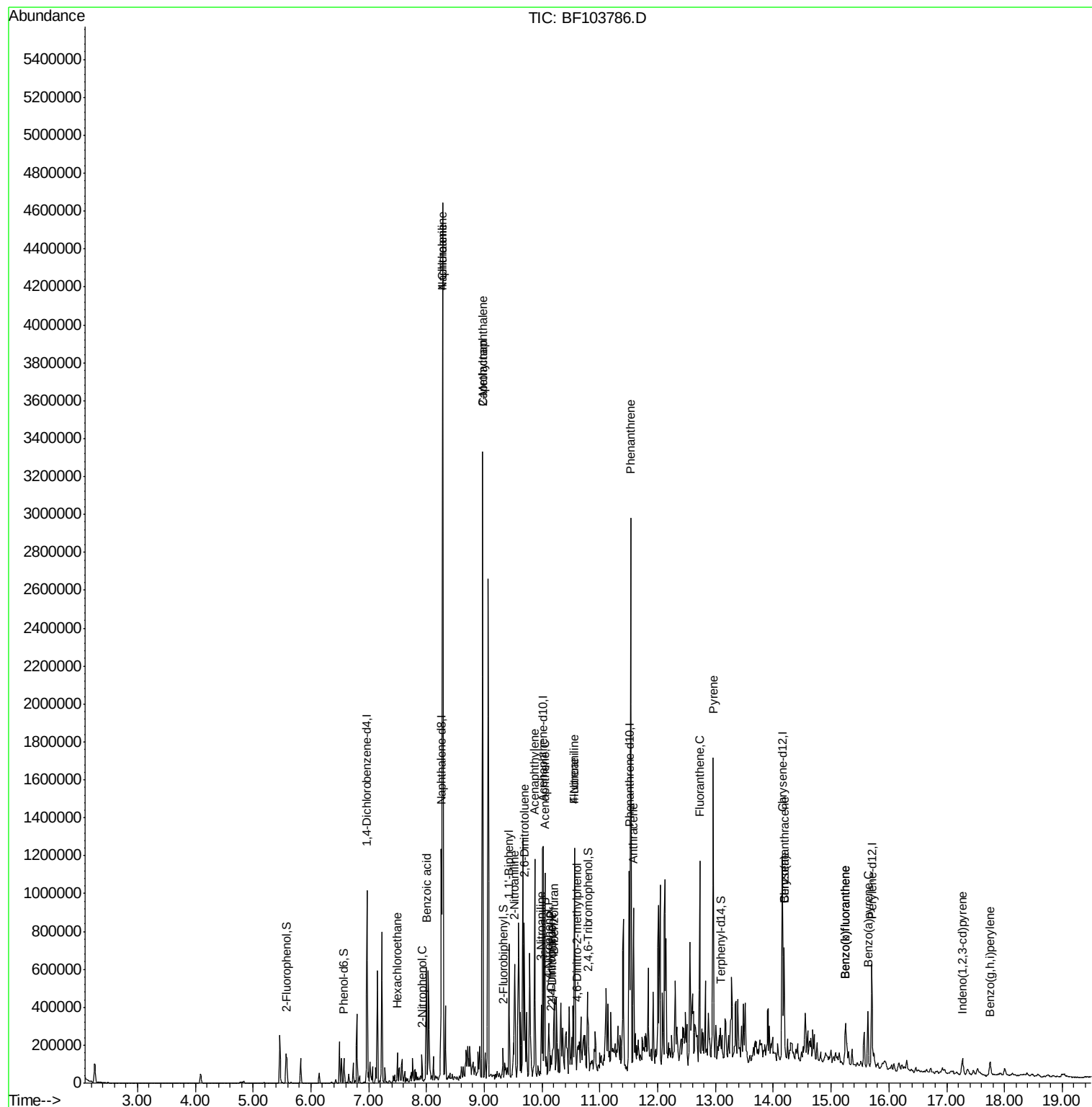
Target Compounds				Qvalue		
18) Hexachloroethane	7.50	117	14814	3.764	ng	# 1
26) 2-Nitrophenol	7.93	139	127	9.474	ng	# 34
31) Naphthalene	8.28	128	2385247	83.745	ng	98
32) Benzoic acid	8.00	122	253	9.941	ng	# 1
33) 4-Chloroaniline	8.28	127	330833	27.687	ng	# 34
35) Caprolactam	8.97	113	19210	7.647	ng	# 1
37) 2-Methylnaphthalene	8.97	142	881440	48.800	ng	99
45) 1,1'-Biphenyl	9.43	154	188690	8.964	ng	98
47) 2-Nitroaniline	9.52	65	5598	7.912	ng	# 26
48) Acenaphthylene	9.87	152	357249	13.779	ng	97
50) 2,6-Dinitrotoluene	9.70	165	4685	5.137	ng	# 1
51) Acenaphthene	10.05	154	168121	10.921	ng	99
52) 3-Nitroaniline	9.99	138	241	3.864	ng	# 72
53) 2,4-Dinitrophenol	10.15	184	247	6.795	ng	# 1
54) Dibenzofuran	10.22	168	45422	2.066	ng	# 91
55) 4-Nitrophenol	10.11	139	3818	5.985	ng	# 38
56) 2,4-Dinitrotoluene	10.18	165	6757	7.460	ng	# 59
57) Fluorene	10.56	166	311061	18.232	ng	99
61) 4-Nitroaniline	10.56	138	3934	4.593	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.62	198	107	8.195	ng	# 1
70) Phenanthrene	11.53	178	1070919	48.409	ng	99
71) Anthracene	11.58	178	297125	13.224	ng	100
74) Fluoranthene	12.73	202	387216	16.990	ng	98
77) Pyrene	12.96	202	606032	28.288	ng	99
80) Benzo(a)anthracene	14.19	228	206857	11.202	ng	96
82) Chrysene	14.19	228	206857	11.751	ng	96
85) Indeno(1,2,3-cd)pyrene	17.27	276	53346	3.470	ng	94
87) Benzo(b)fluoranthene	15.25	252	172445	10.500	ng	# 95
88) Benzo(k)fluoranthene	15.25	252	171963	10.892	ng	98
89) Benzo(a)pyrene	15.64	252	147880	9.927	ng	97
91) Benzo(g,h,i)perylene	17.75	276	59350	4.730	ng	98

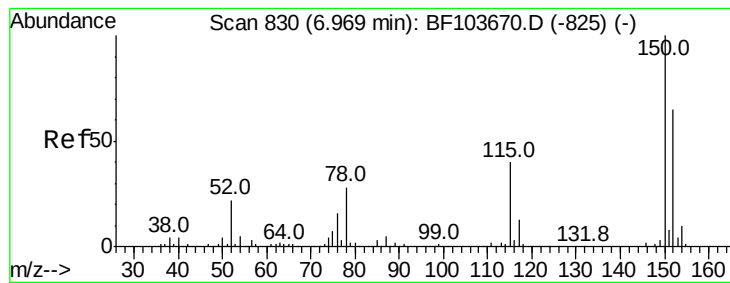
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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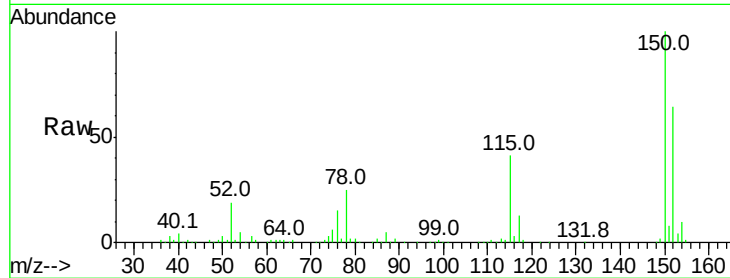


#1

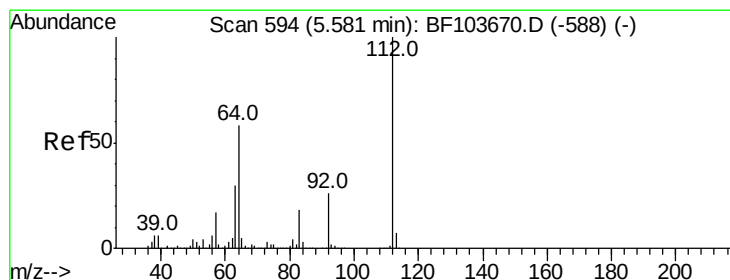
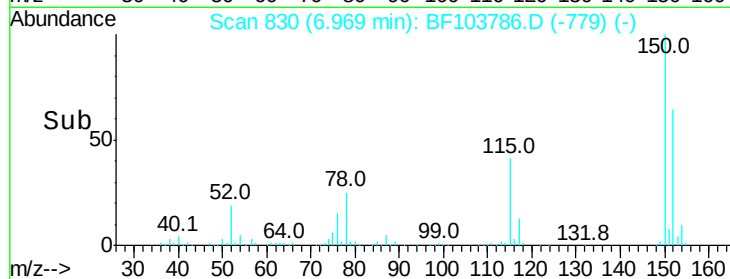
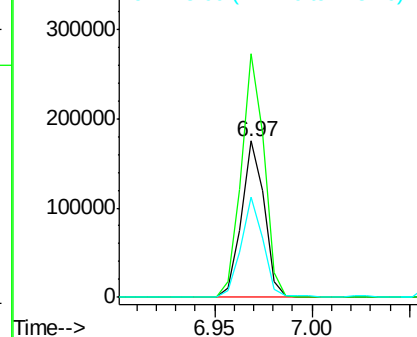
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141949
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 64.5 50.1 75.1



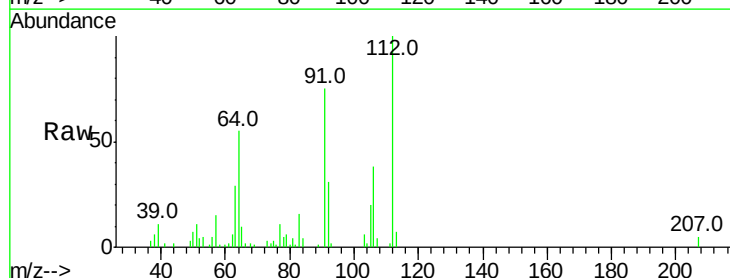
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



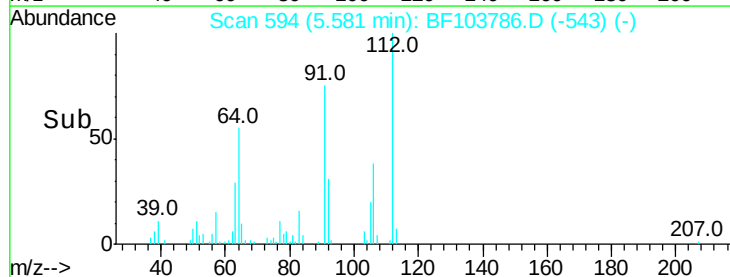
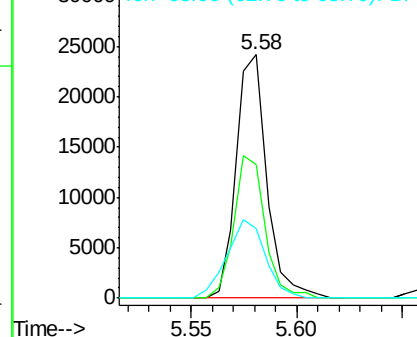
#5

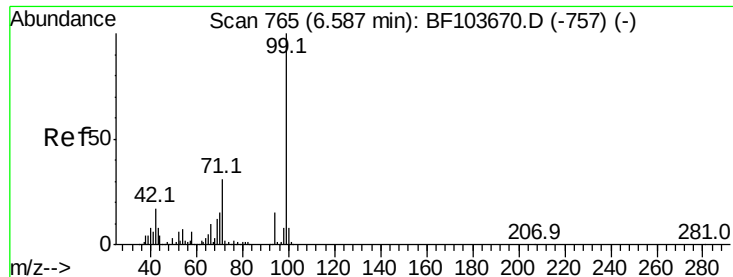
2-Fluorophenol
Concen: 2.590 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion:112 Resp: 24171
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 28.6 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: 2.673 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampled :

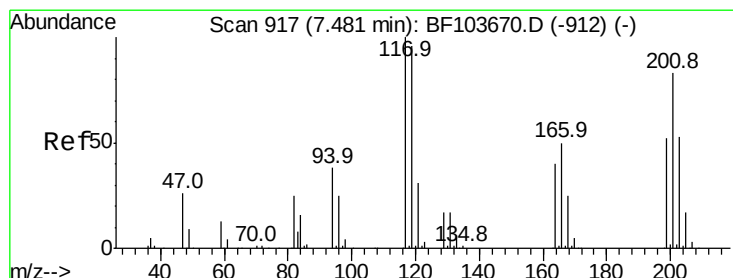
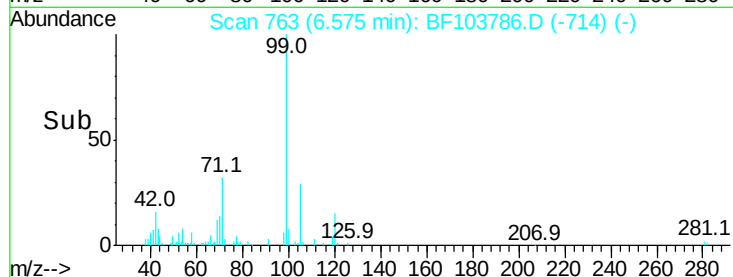
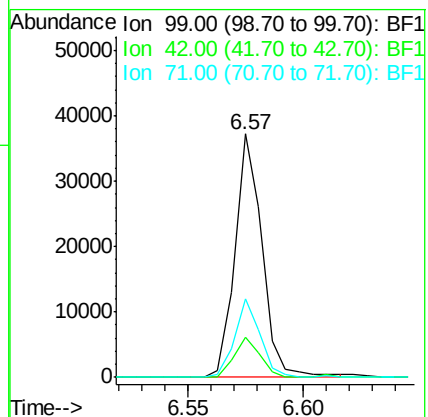
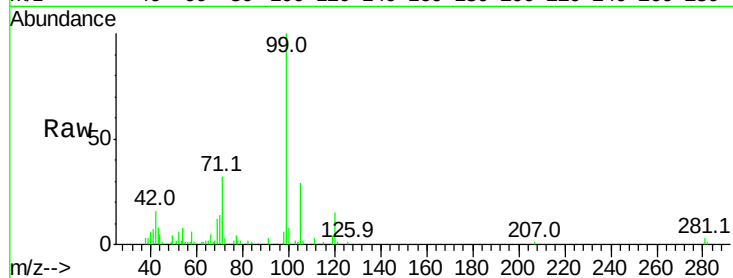
Tot Ion: 99 Resp: 30523

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 32.1 25.4 38.0



#18

Hexachloroethane

Concen: 3.764 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.02 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

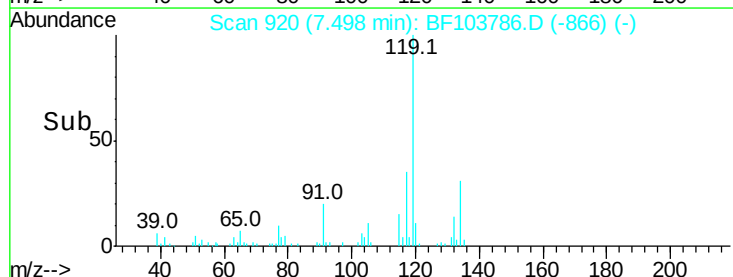
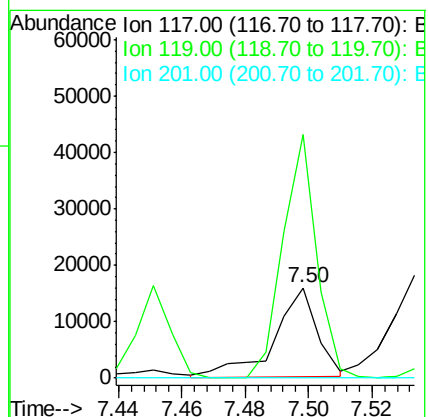
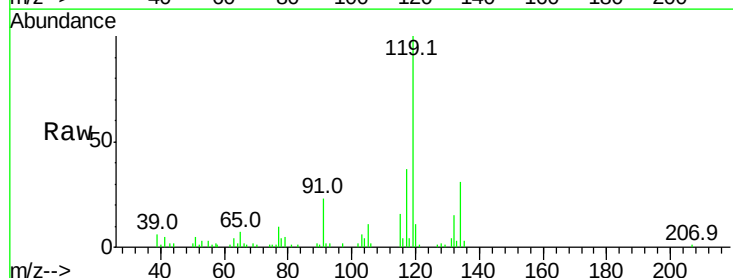
Tgt Ion: 117 Resp: 14814

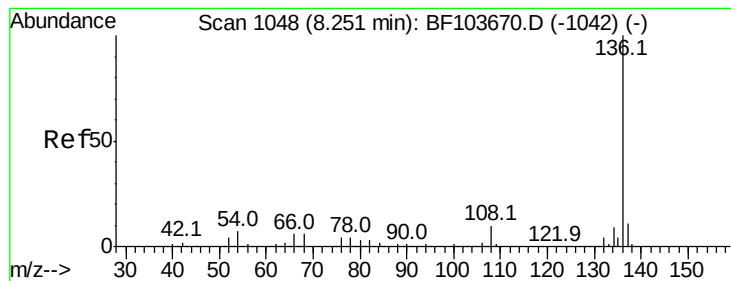
Ion Ratio Lower Upper

117 100

119 270.1 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 563838

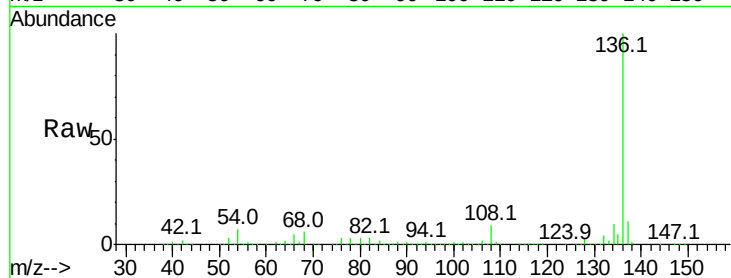
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.5 6.6 9.8#

68 5.8 5.0 7.4

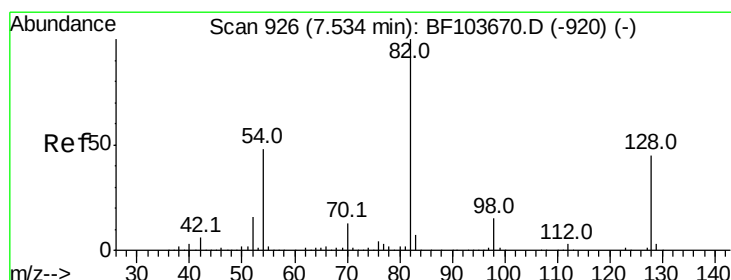
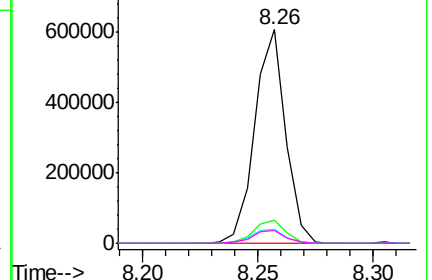
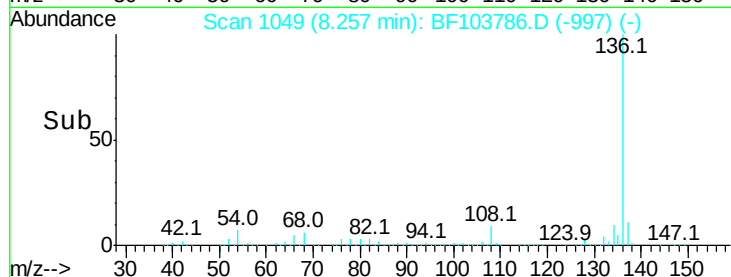


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.942 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

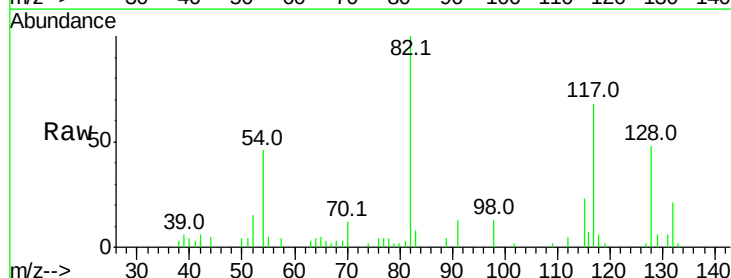
Tgt Ion: 82 Resp: 15705

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

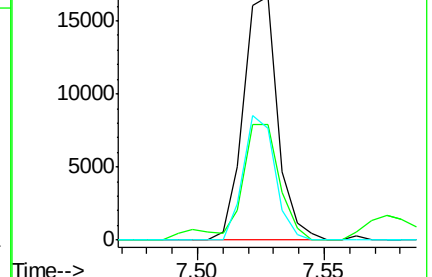
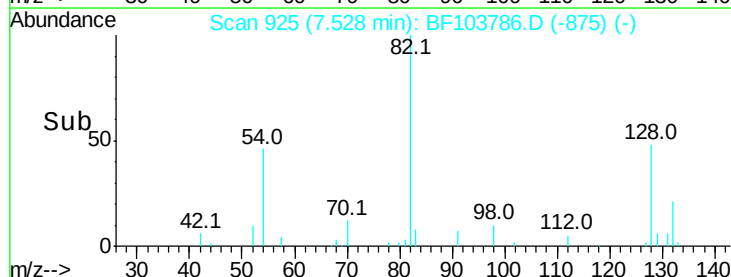
54 46.1 41.4 62.2

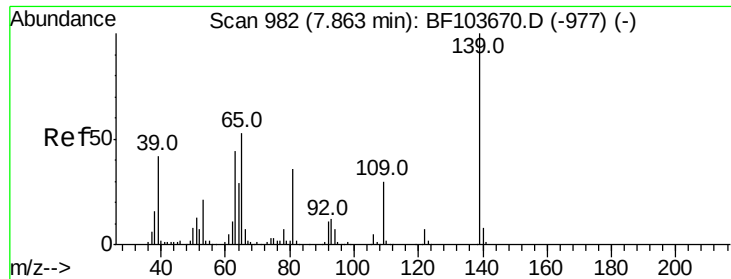


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

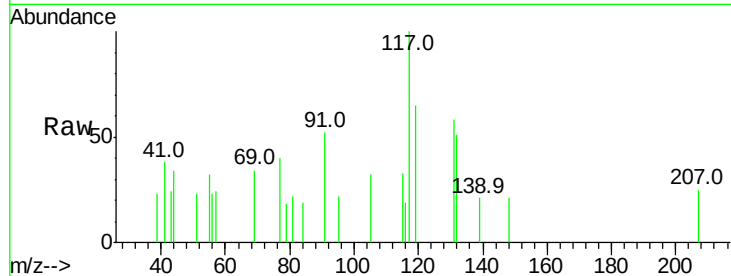




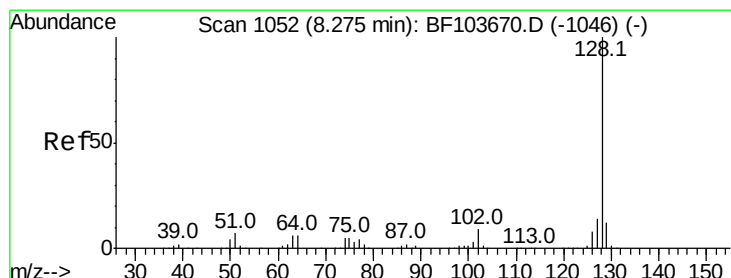
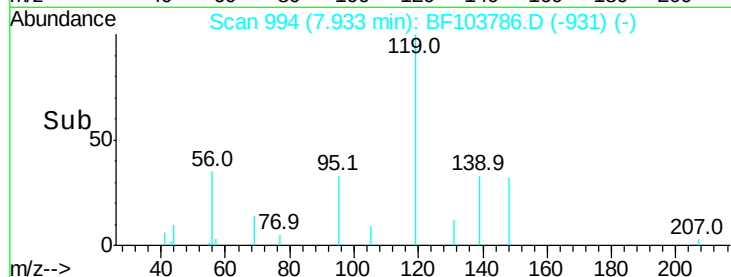
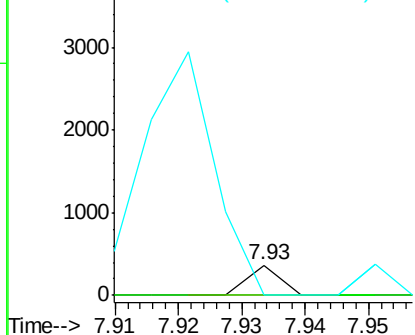
#26
2-Nitrophenol
Concen: 9.474 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.07 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 127
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 40.5 60.7#

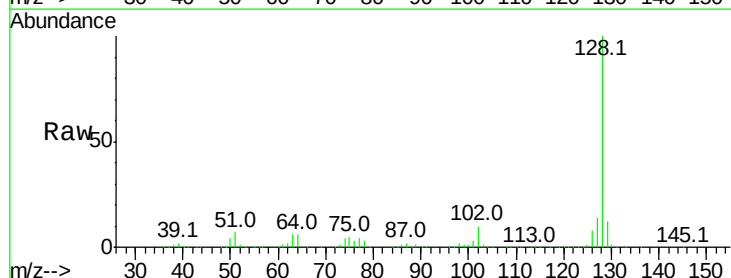


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

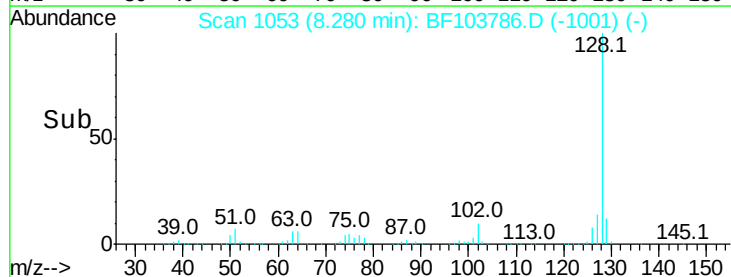
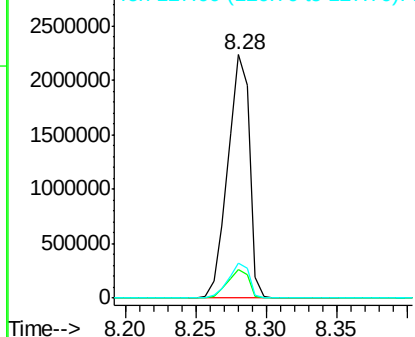


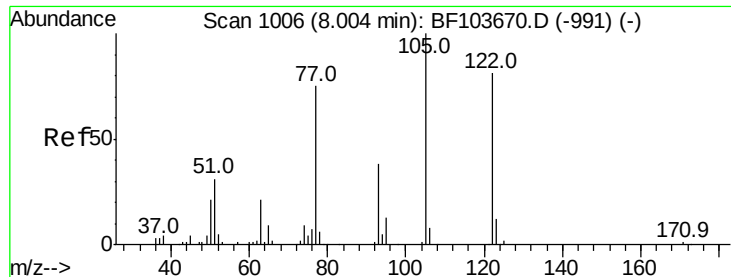
#31
Naphthalene
Concen: 83.745 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion:128 Resp: 2385247
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 14.3 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: 9.941 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampleId :

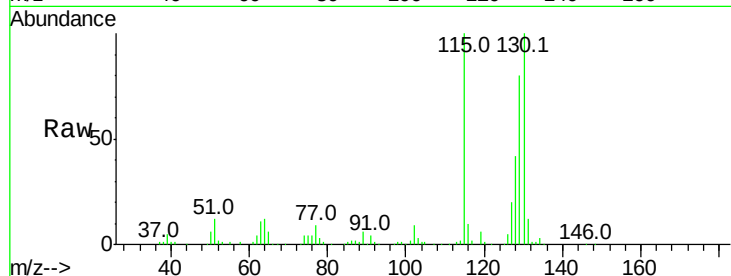
Tot Ion:122 Resp: 253

Ion Ratio Lower Upper

122 100

105 241.8 101.1 141.1#

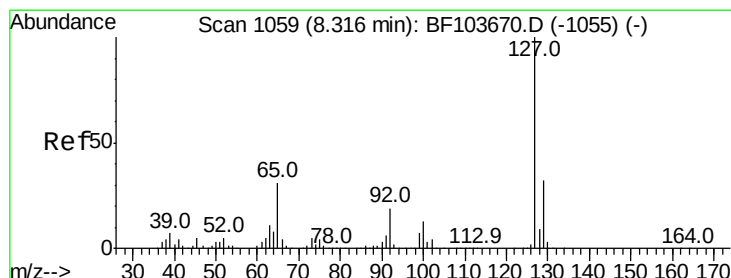
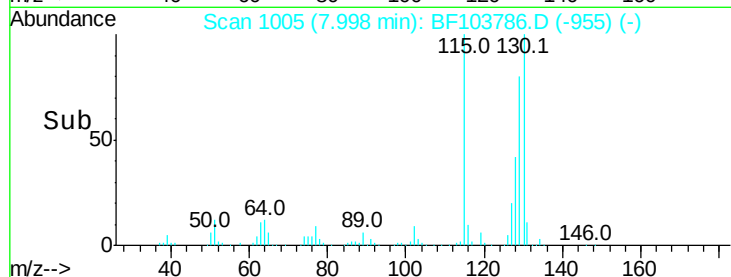
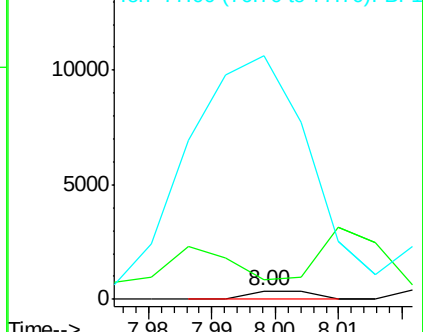
77 2960.4 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 27.687 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.04 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Tgt Ion:127 Resp: 330833

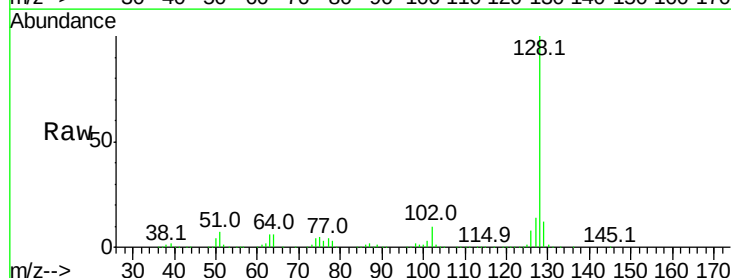
Ion Ratio Lower Upper

127 100

129 82.9 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

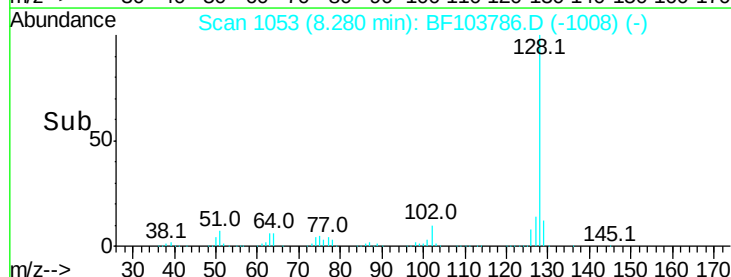
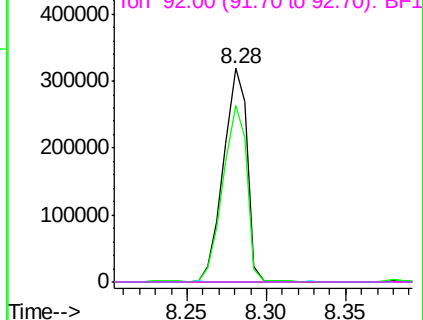


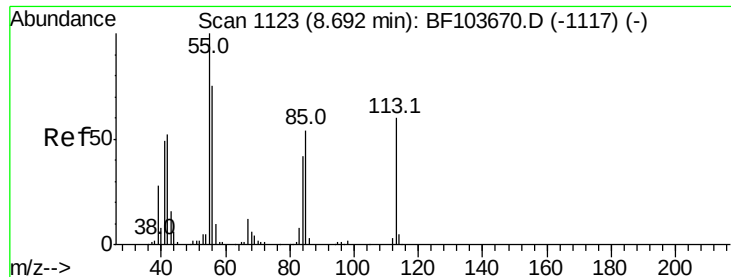
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#35

Caprolactam

Concen: 7.647 ng

RT: 8.97 min Scan# 1170

Delta R.T. 0.28 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampled :

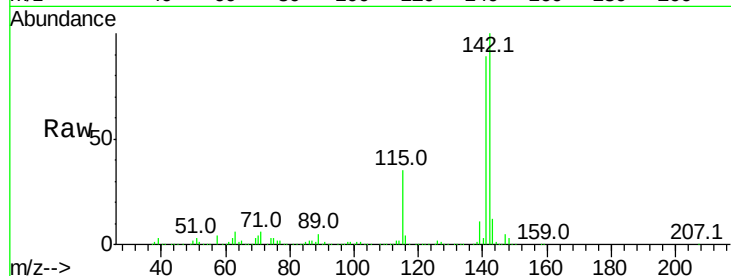
Tot Ion:113 Resp: 19210

Ion Ratio Lower Upper

113 100

55 12.1 163.3 203.3#

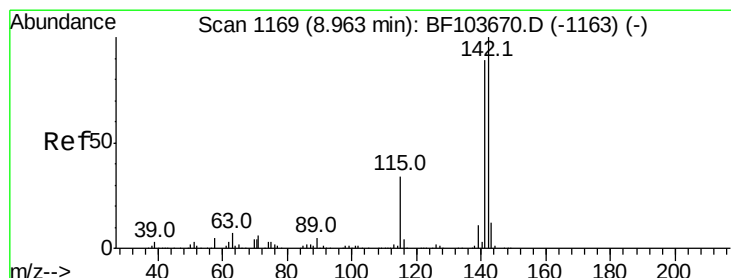
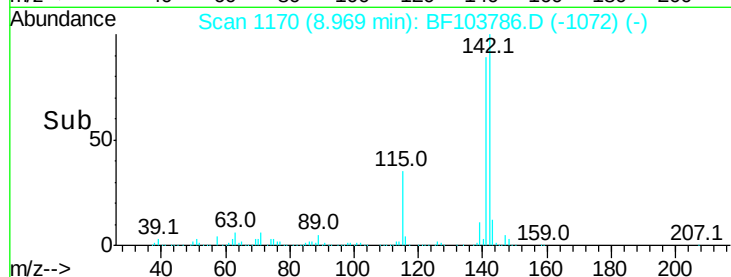
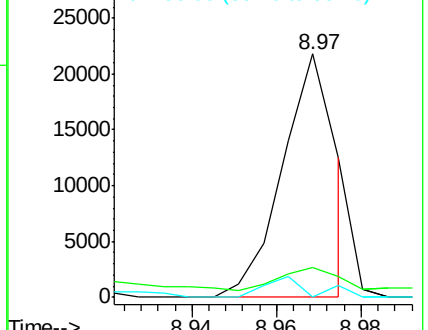
56 0.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 48.800 ng

RT: 8.97 min Scan# 1170

Delta R.T. 0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

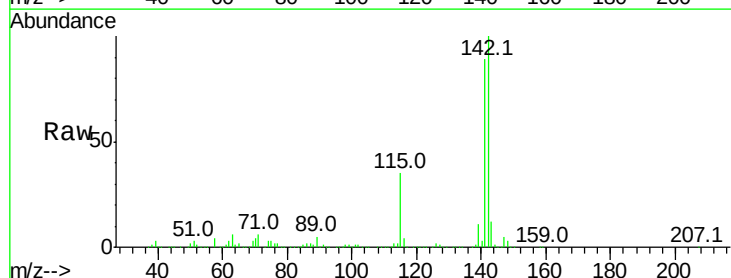
Tgt Ion:142 Resp: 881440

Ion Ratio Lower Upper

142 100

141 88.8 70.8 106.2

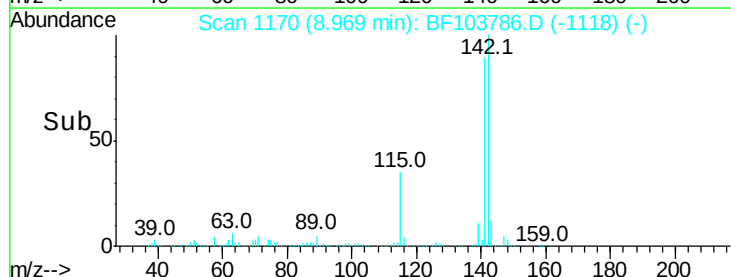
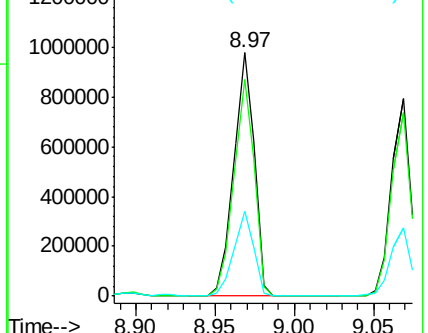
115 34.7 26.1 39.1

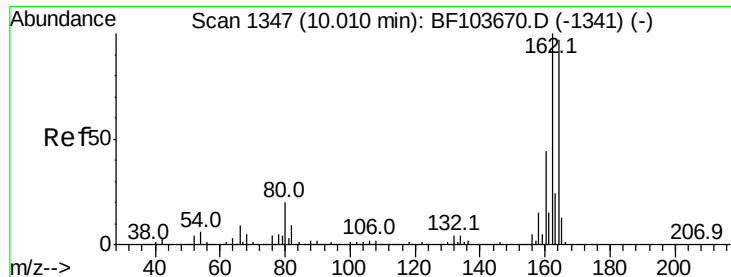


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

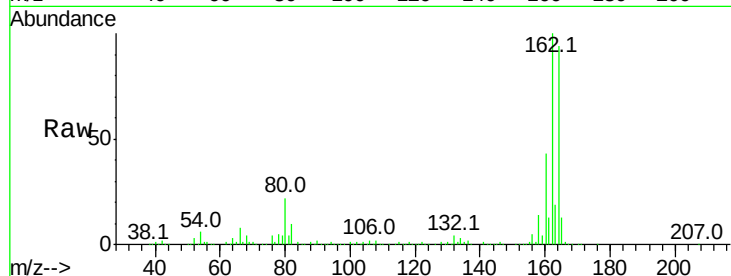




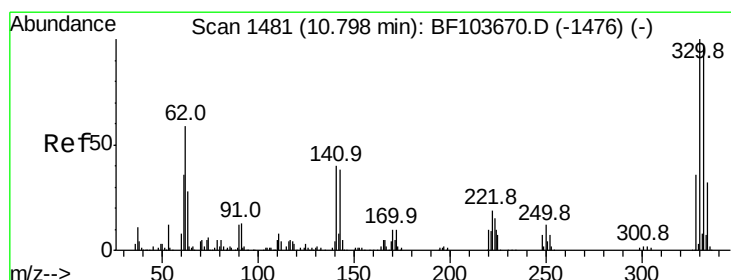
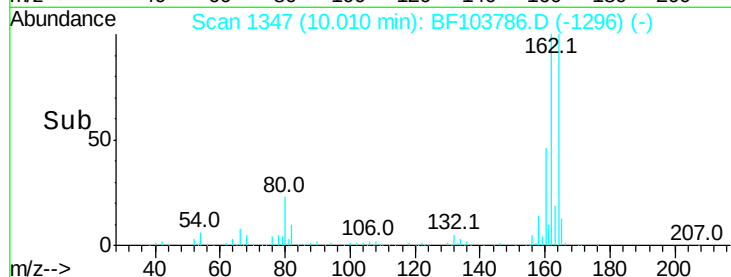
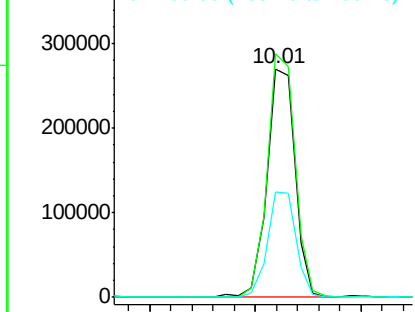
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 252451
Ion Ratio Lower Upper
164 100
162 106.6 86.1 129.1
160 46.0 38.3 57.5

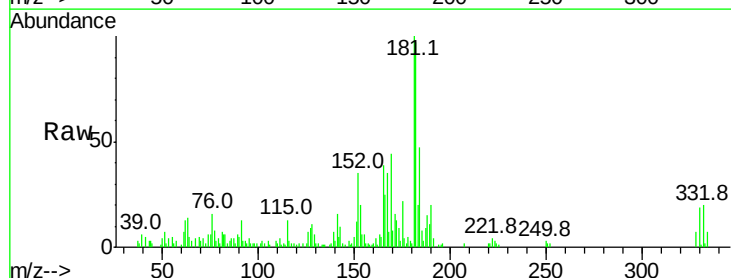


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

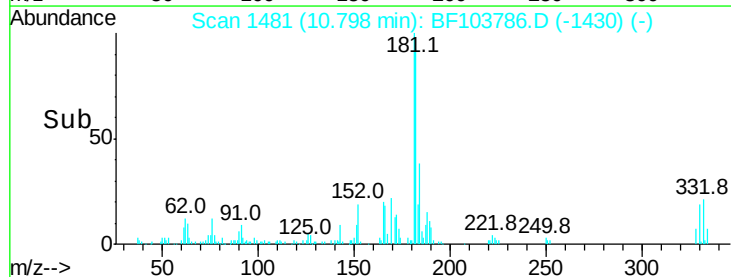
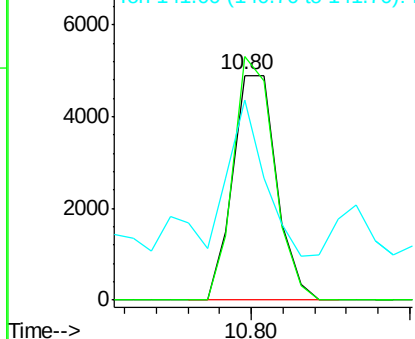


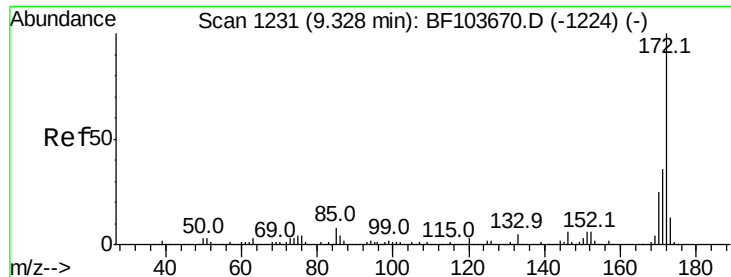
#41
2,4,6-Tribromophenol
Concen: 2.161 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion:330 Resp: 4691
Ion Ratio Lower Upper
330 100
332 100.9 77.0 115.6
141 69.0 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

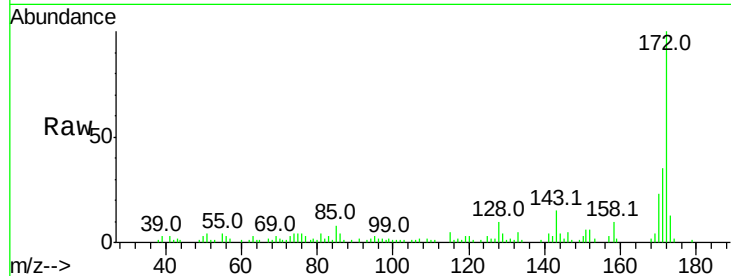




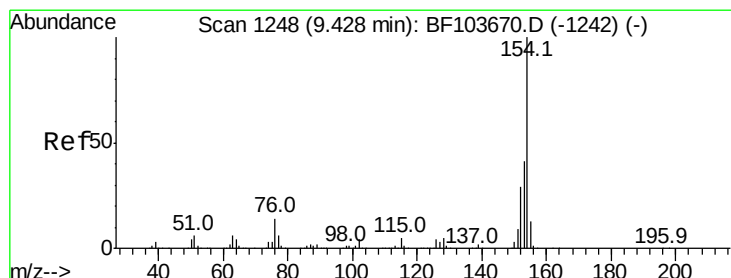
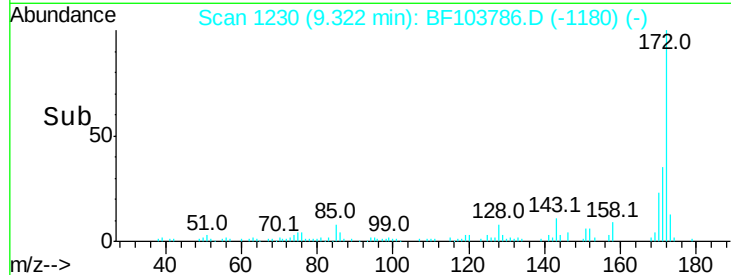
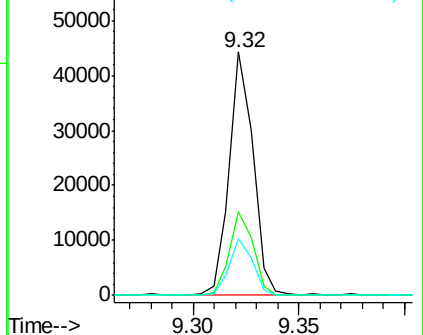
#44
2-Fluorobiphenyl
Concen: 2.189 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.2	19.6	29.4

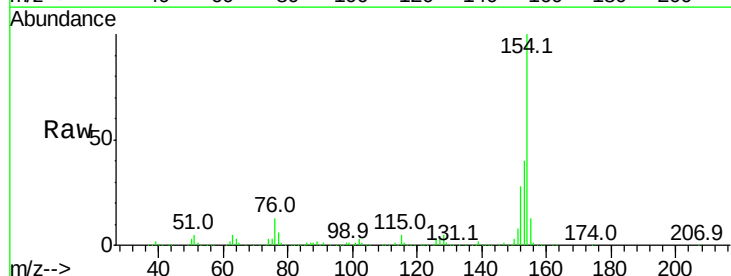


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

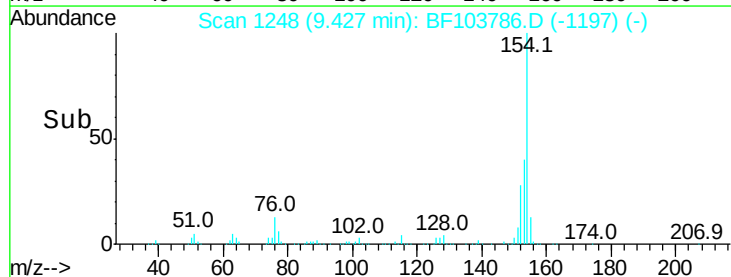
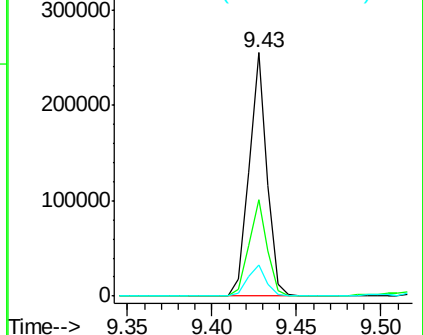


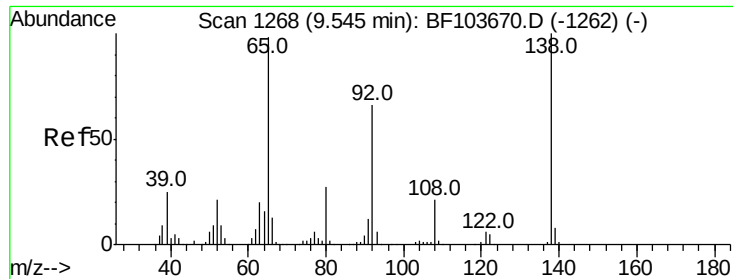
#45
1,1'-Biphenyl
Concen: 8.964 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.3	61.3
76	12.8	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

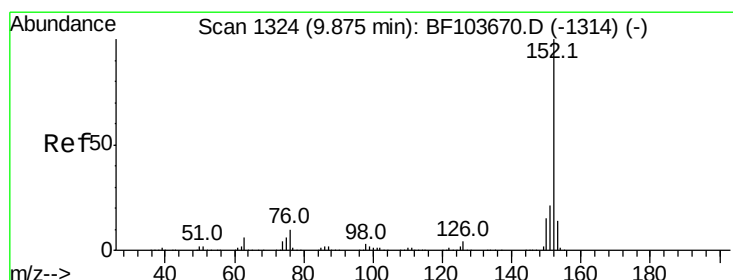
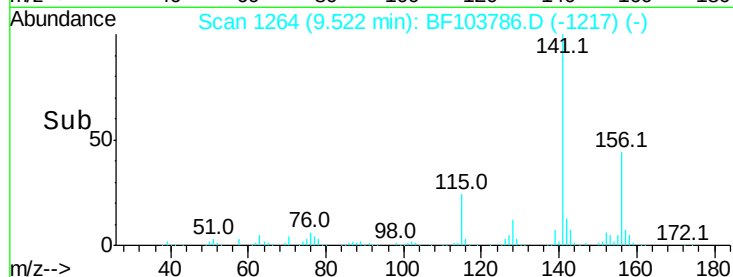
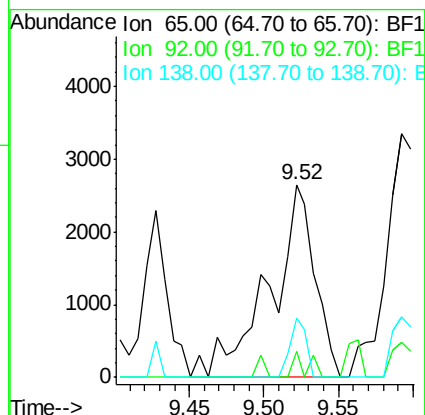
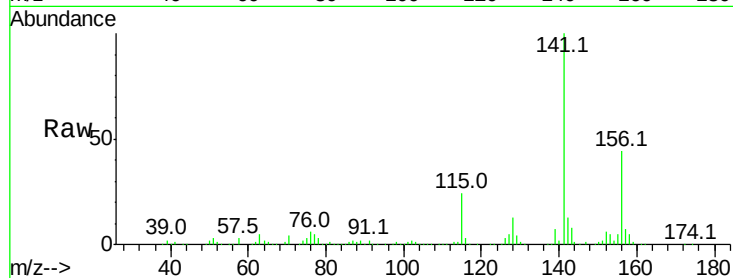




#47
2-Nitroaniline
Concen: 7.912 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

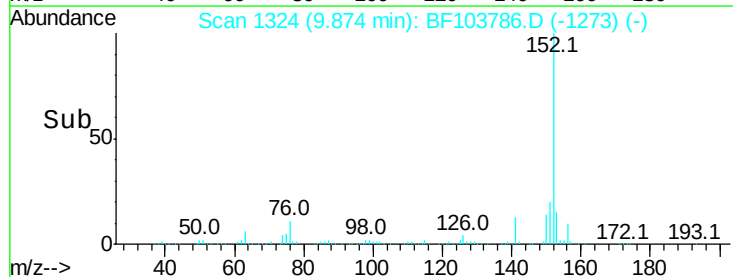
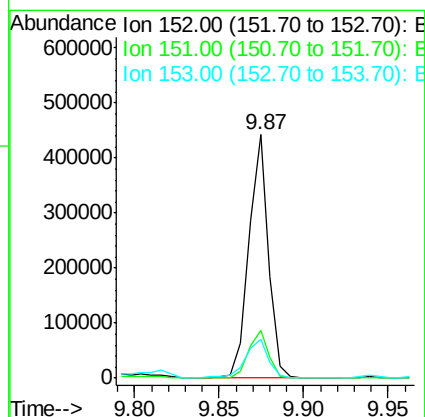
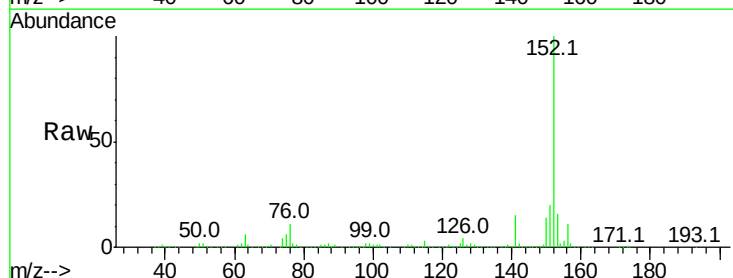
Instrument :
BNA_F
ClientSampleId :

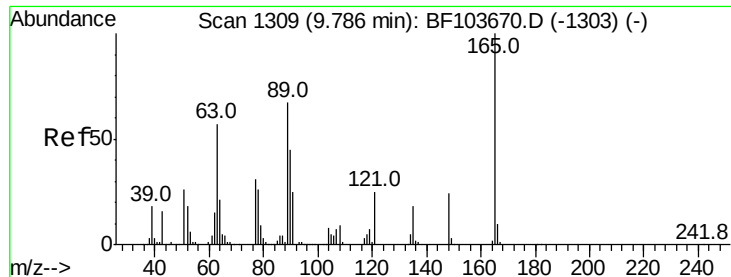
Tot Ion: 65 Resp: 5598
Ion Ratio Lower Upper
65 100
92 13.4 55.8 83.6#
138 30.5 91.2 136.8#



#48
Acenaphthylene
Concen: 13.779 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion:152 Resp: 357249
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 15.7 10.7 16.1

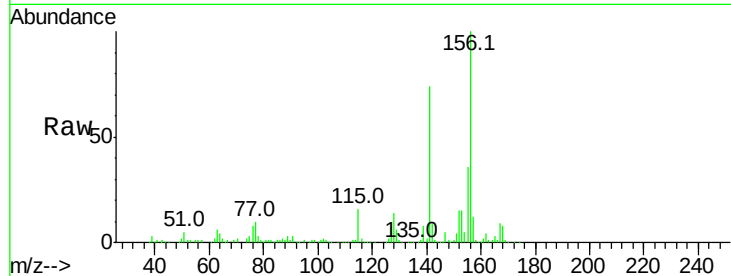




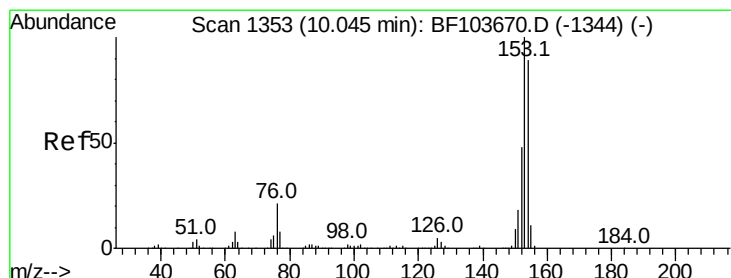
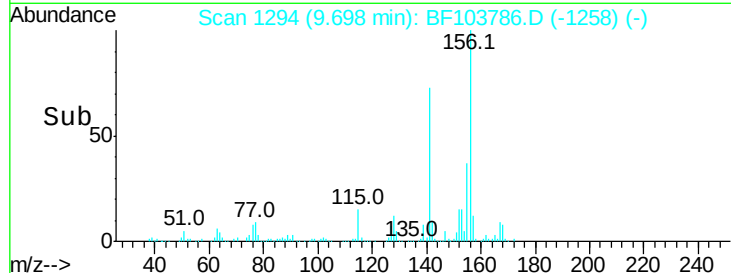
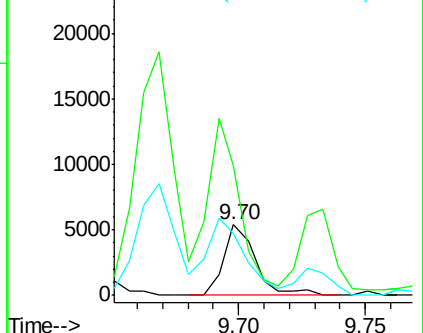
#50
 2,6-Dinitrotoluene
 Concen: 5.137 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.09 min
 Lab File: BF103786.D
 Acq: 20 Mar 2018 5:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 4685
 Ion Ratio Lower Upper
 165 100
 63 183.5 44.7 67.1#
 89 88.2 44.0 66.0#

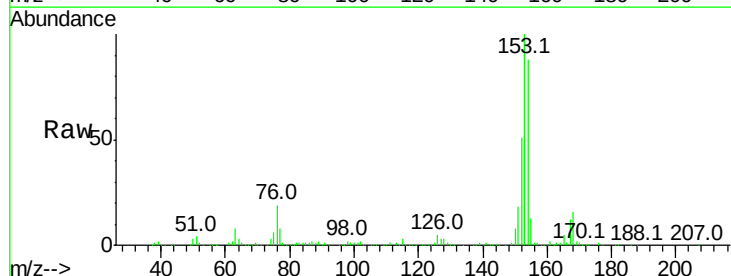


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

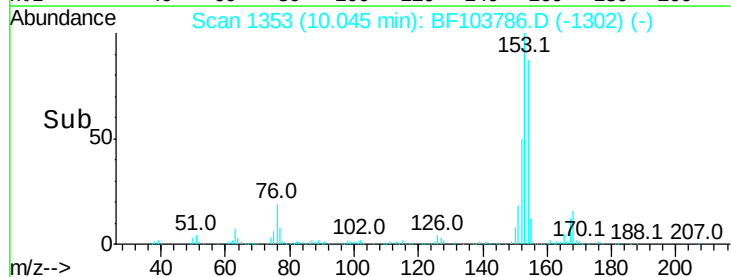
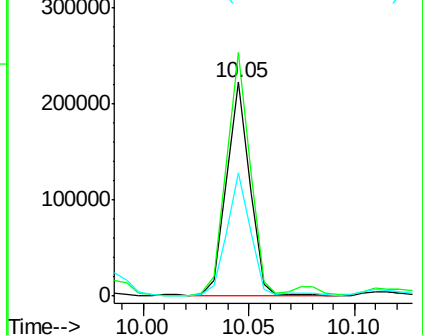


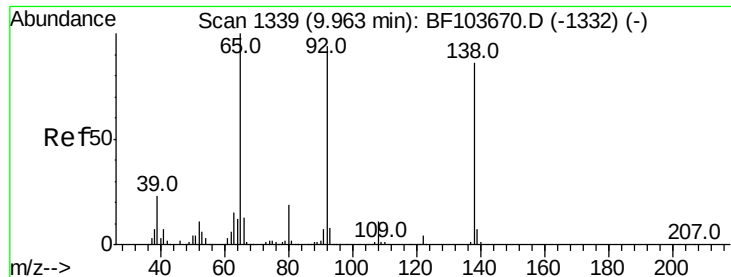
#51
 Acenaphthene
 Concen: 10.921 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: BF103786.D
 Acq: 20 Mar 2018 5:57

Tgt Ion:154 Resp: 168121
 Ion Ratio Lower Upper
 154 100
 153 113.8 91.2 136.8
 152 57.7 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

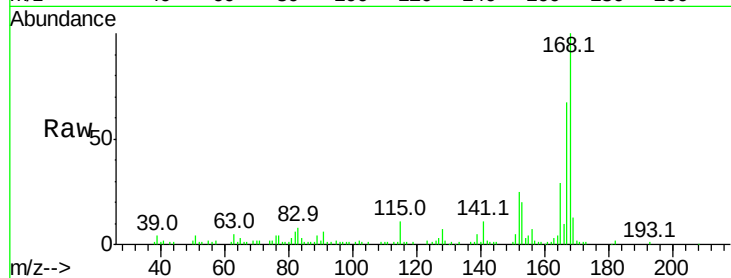




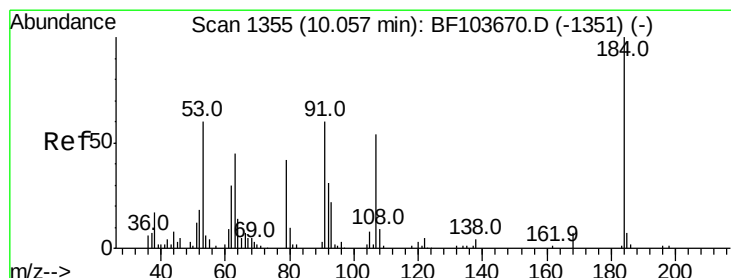
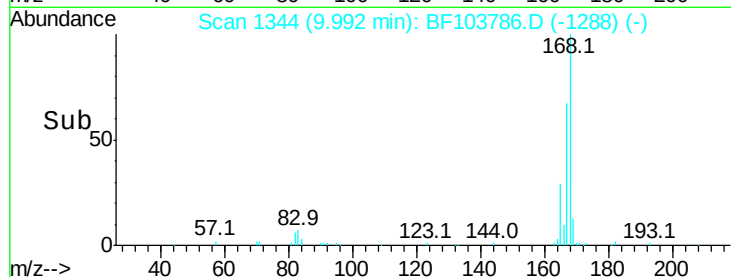
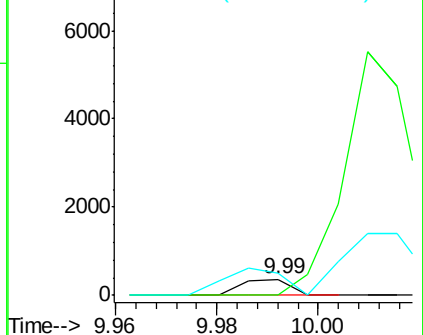
#52
3-Nitroaniline
Concen: 3.864 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.03 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 241
Ion Ratio Lower Upper
138 100
108 0.0 9.4 14.0#
92 141.1 89.4 134.2#

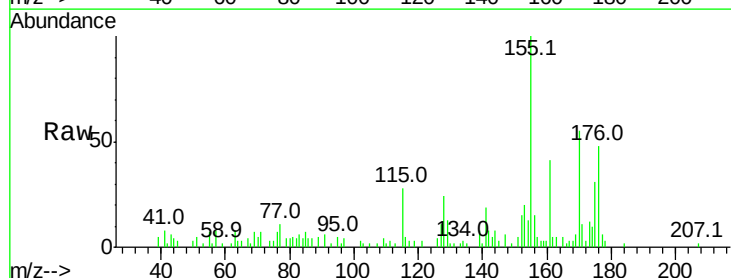


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

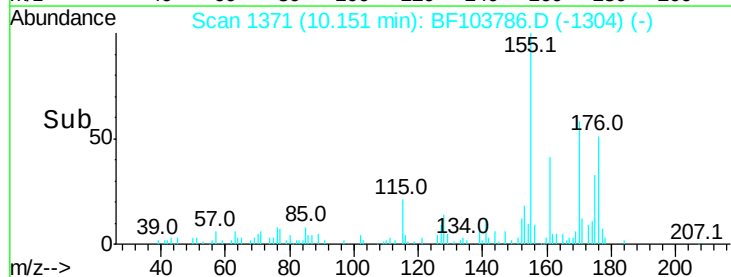
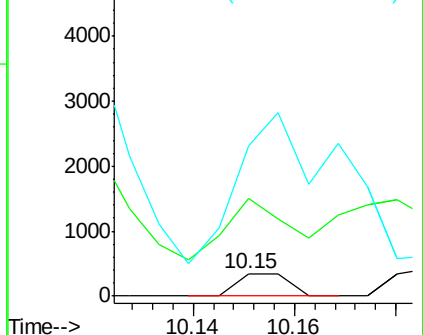


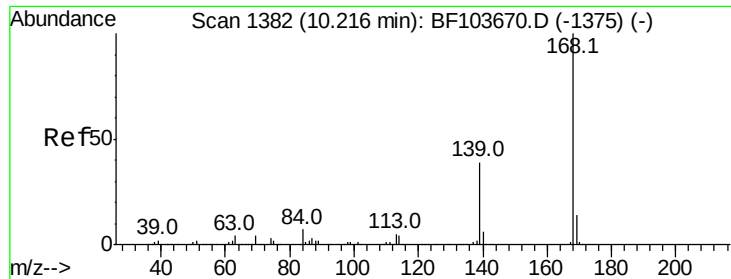
#53
2,4-Dinitrophenol
Concen: 6.795 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.09 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion:184 Resp: 247
Ion Ratio Lower Upper
184 100
63 427.4 54.2 81.2#
154 657.0 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 2.066 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.00 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampleId :

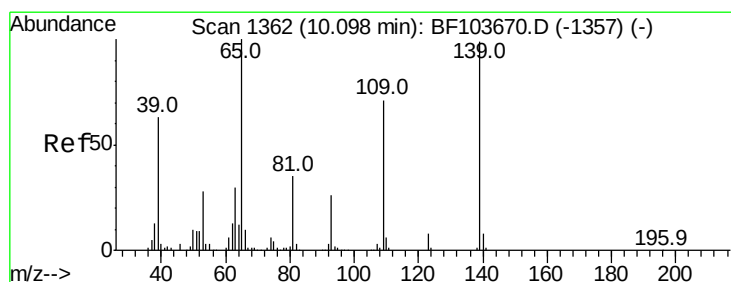
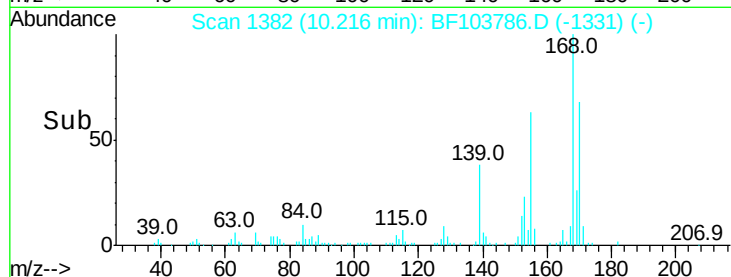
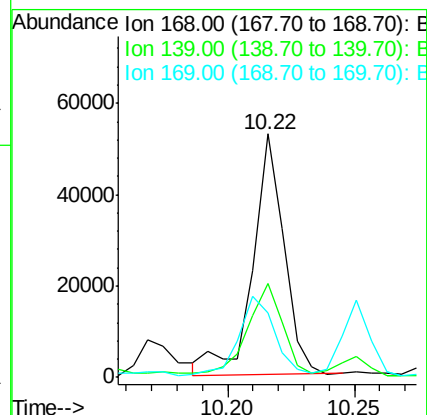
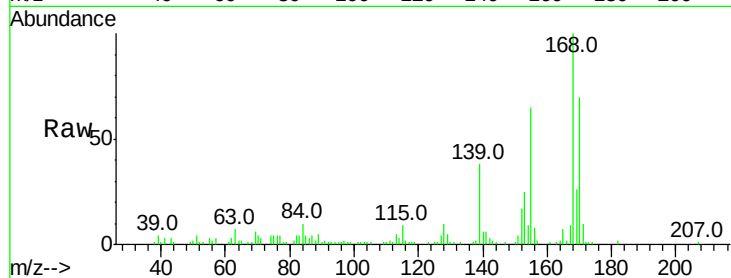
Tot Ion:168 Resp: 45422

Ion Ratio Lower Upper

168 100

139 38.3 30.1 45.1

169 26.2 10.9 16.3#



#55

4-Nitrophenol

Concen: 5.985 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

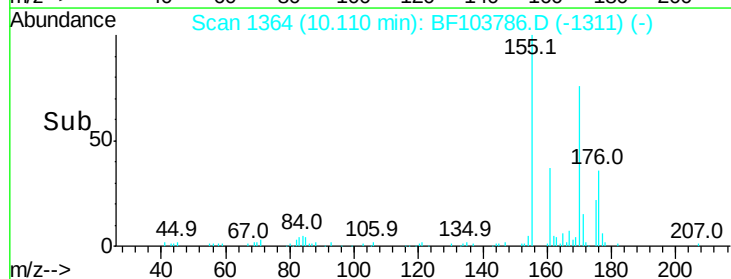
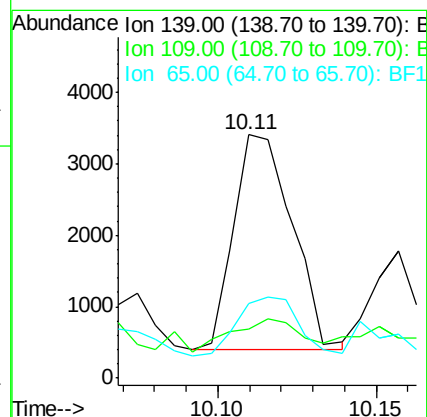
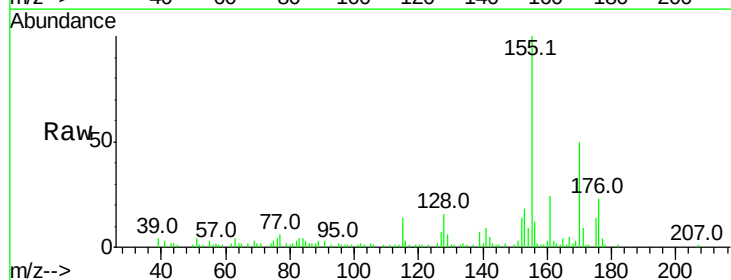
Tgt Ion:139 Resp: 3818

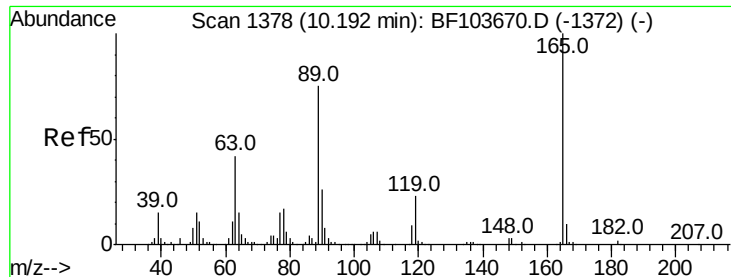
Ion Ratio Lower Upper

139 100

109 20.0 48.4 88.4#

65 30.9 72.6 112.6#

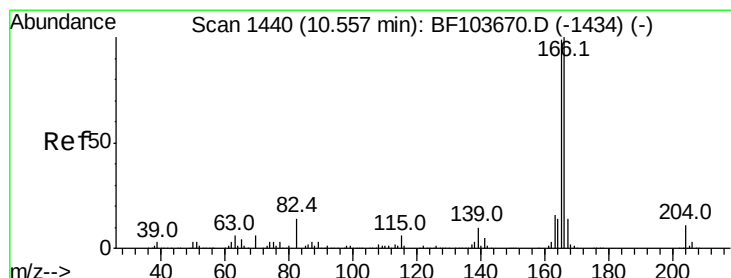
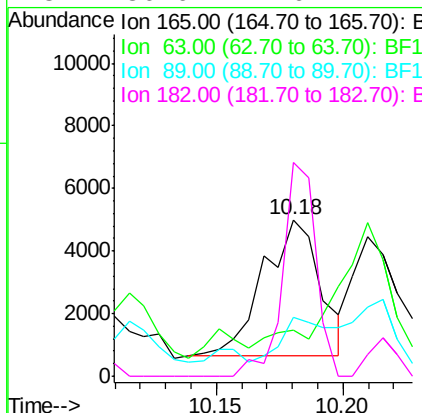
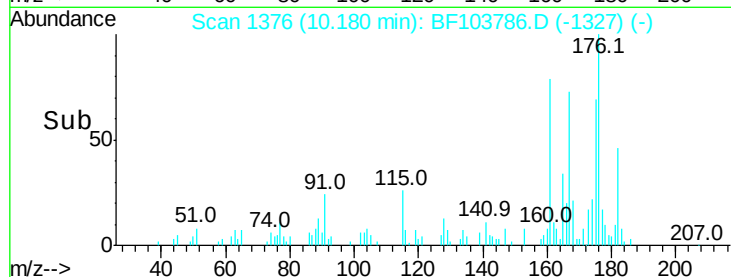
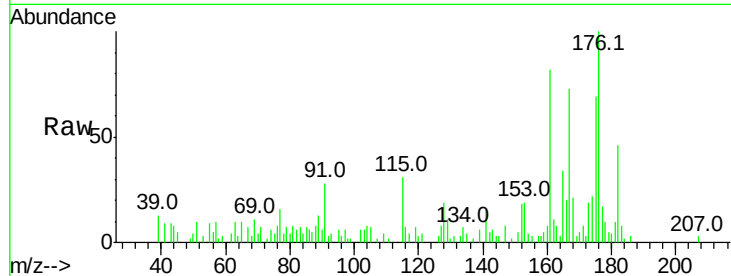




#56
 2,4-Dinitrotoluene
 Concen: 7.460 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: BF103786.D
 Acq: 20 Mar 2018 5:57

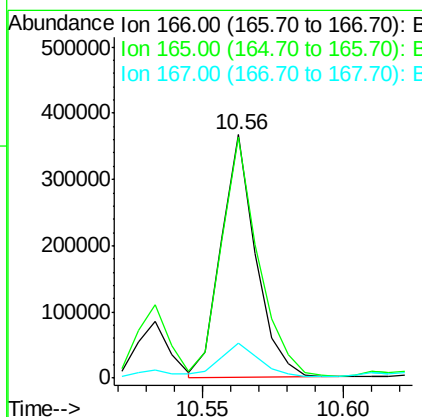
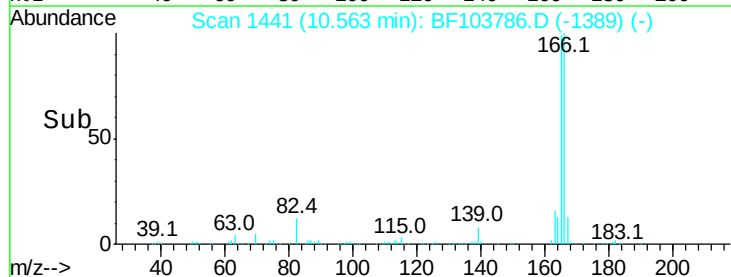
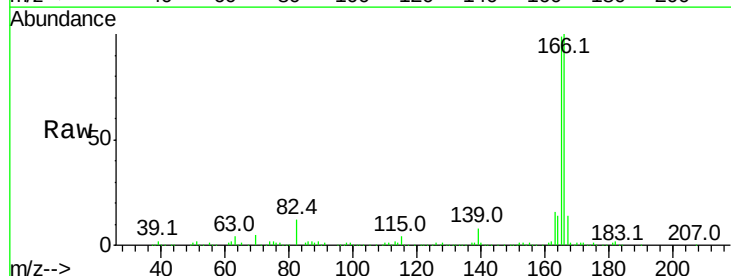
Instrument :
 BNA_F
 ClientSampleId :

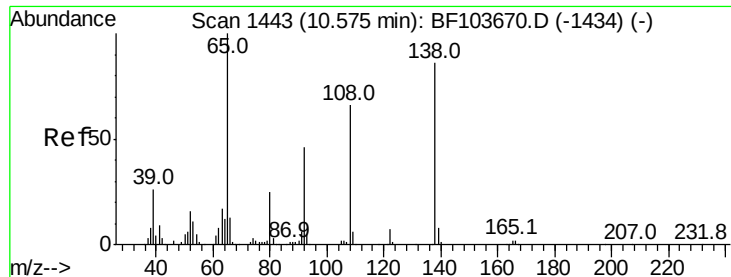
Tot Ion:165	Resp: 6757
Ion Ratio	Lower Upper
165 100	
63 29.7	36.4 54.6#
89 37.4	57.8 86.6#
182 136.6	1.6 2.4#



#57
 Fluorene
 Concen: 18.232 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF103786.D
 Acq: 20 Mar 2018 5:57

Tgt	Ion:166	Resp:	311061
Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	14.1	10.6	16.0

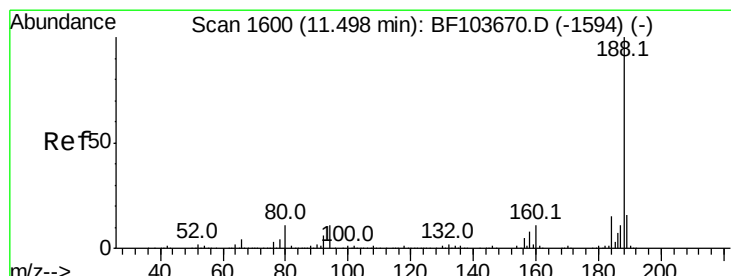
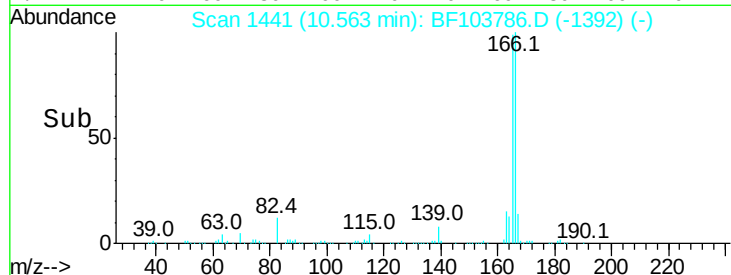
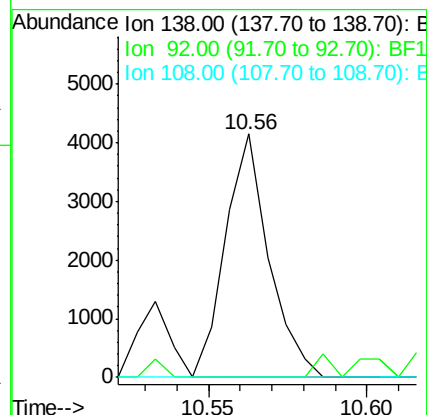
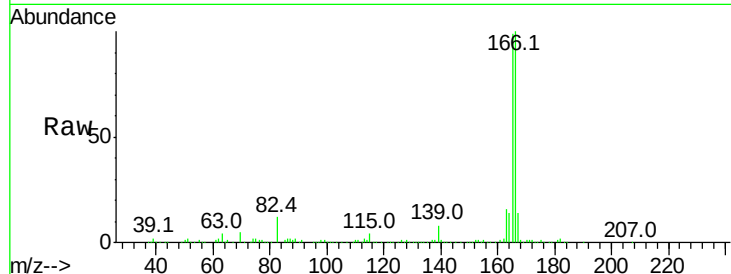




#61
4-Nitroaniline
Concen: 4.593 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

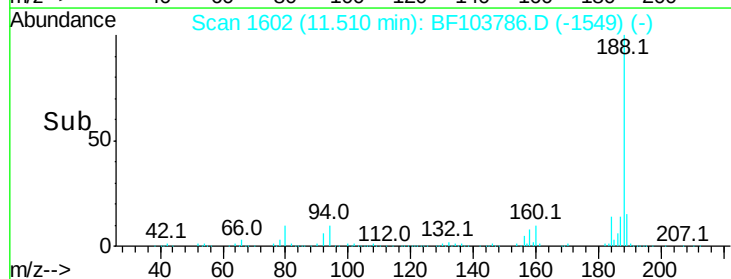
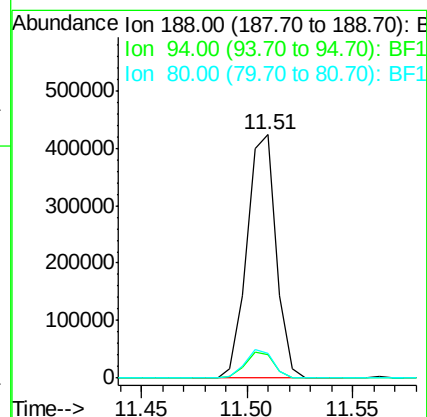
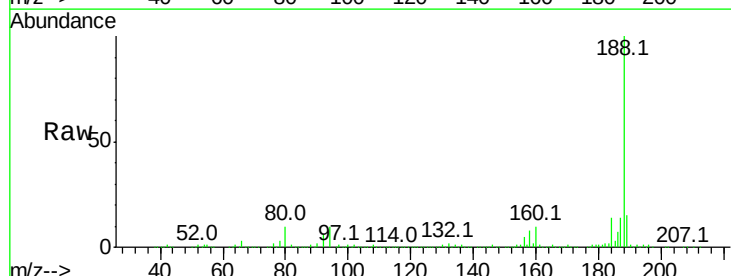
Instrument :
BNA_F
ClientSampleId :

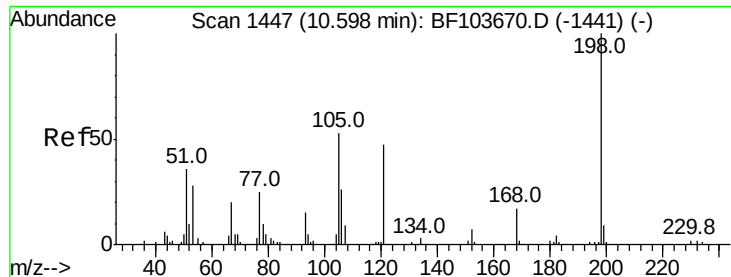
Tot Ion:138 Resp: 3934
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion:188 Resp: 404413
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.3 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.195 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.02 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampleId :

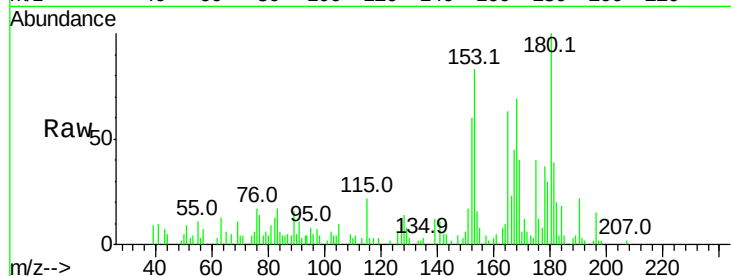
Tot Ion:198 Resp: 107

Ion Ratio Lower Upper

198 100

51 419.5 37.7 77.7#

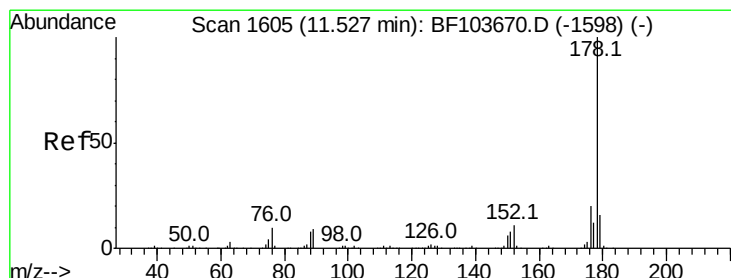
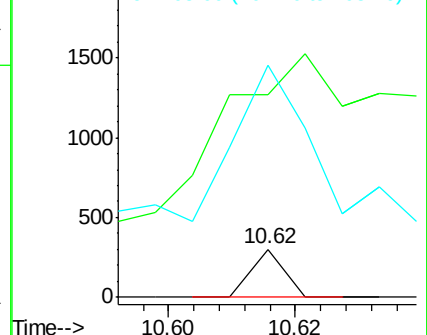
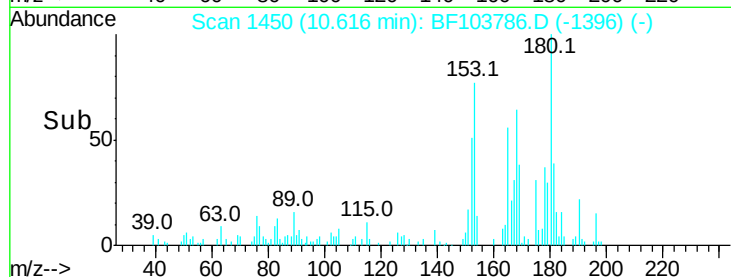
105 480.5 36.3 76.3#



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



#70

Phenanthrene

Concen: 48.409 ng

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

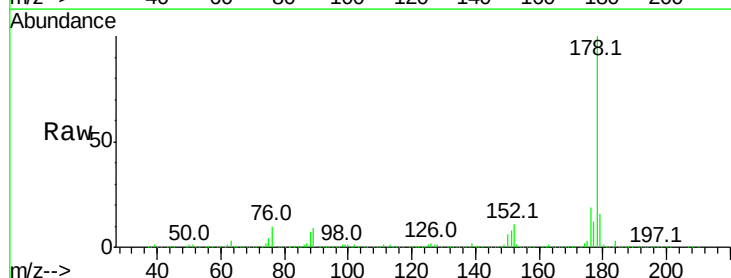
Tgt Ion:178 Resp: 1070919

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

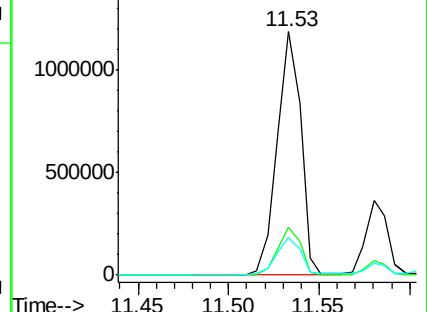
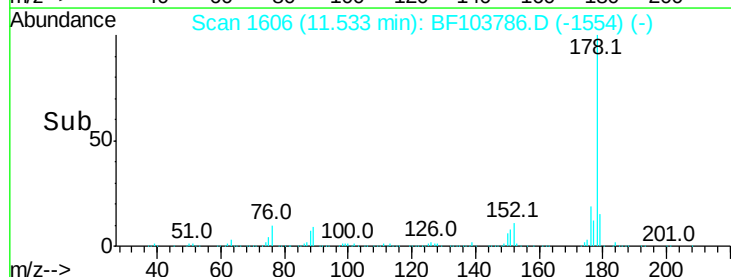
179 15.6 13.0 19.6

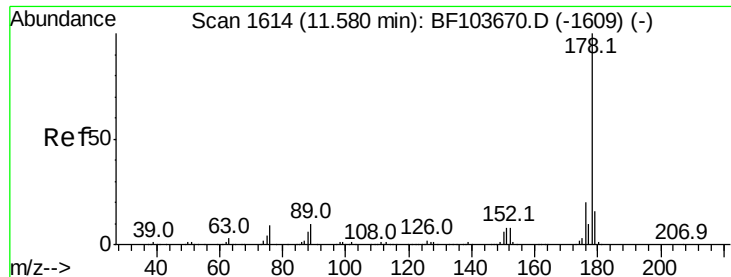


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

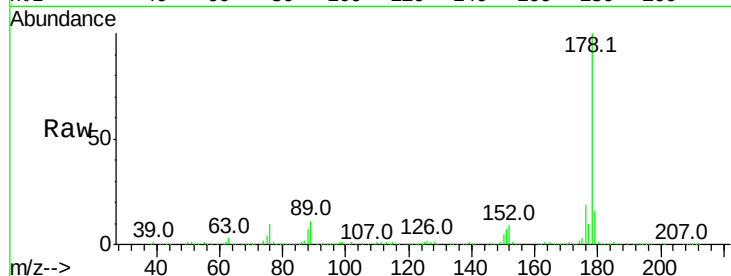




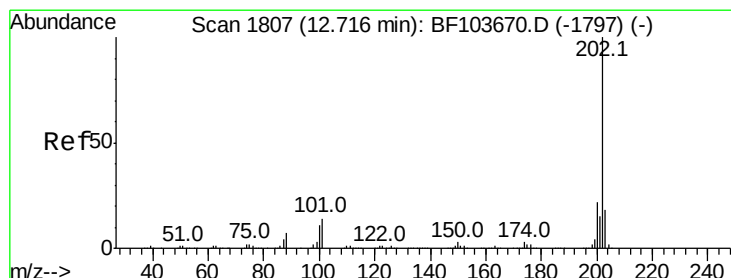
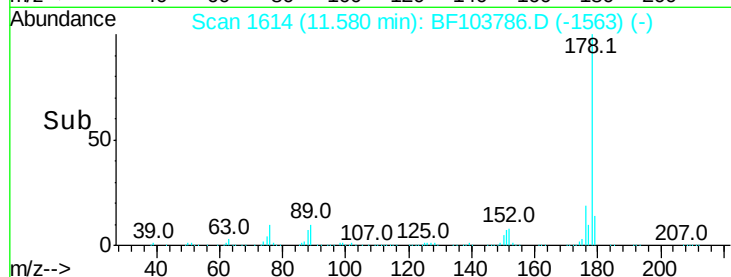
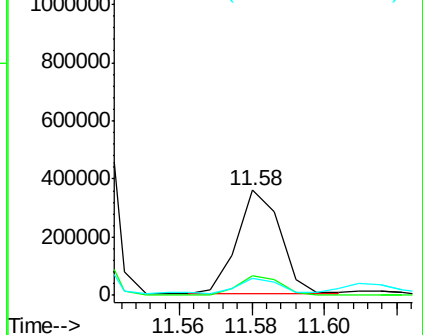
#71
 Anthracene
 Concen: 13.224 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF103786.D
 Acq: 20 Mar 2018 5:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 297125
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.6 12.6 19.0

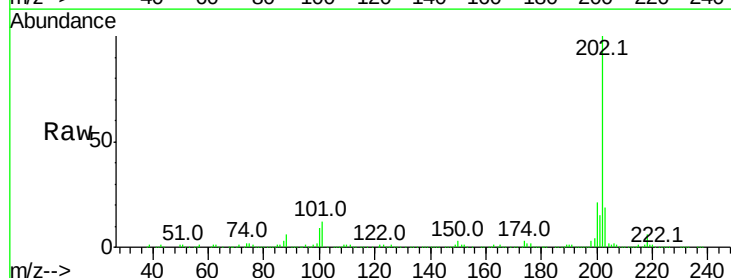


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

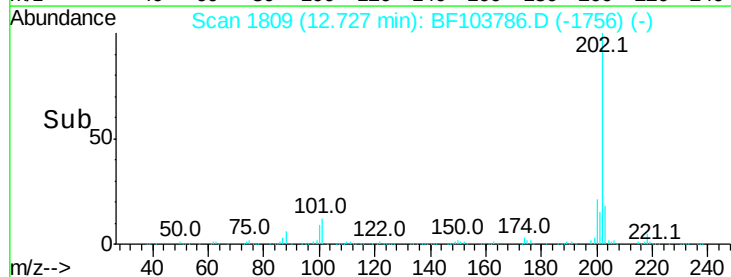
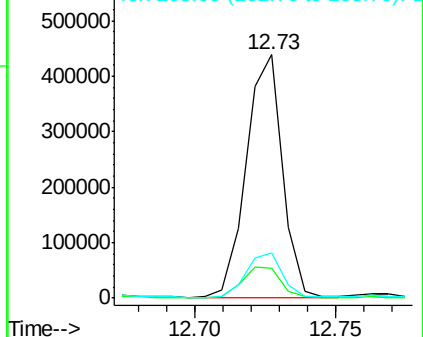


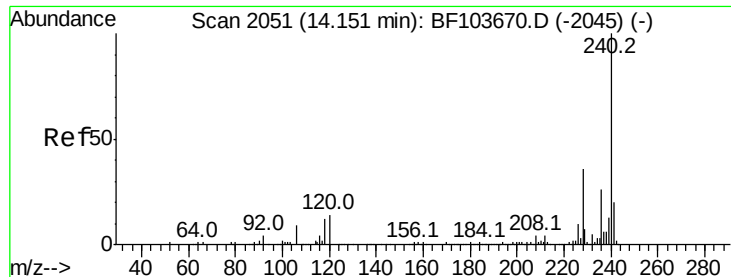
#74
 Fluoranthene
 Concen: 16.990 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: BF103786.D
 Acq: 20 Mar 2018 5:57

Tgt Ion:202 Resp: 387216
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 34.1
 203 18.6 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: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampleId :

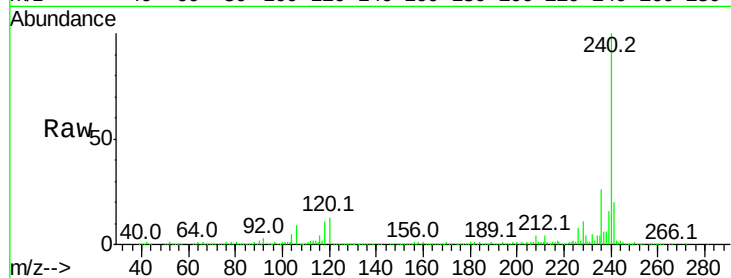
Tot Ion:240 Resp: 291722

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

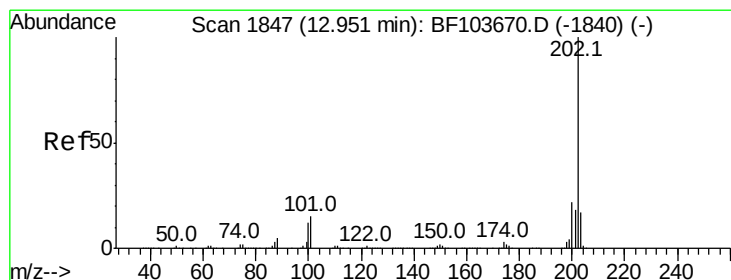
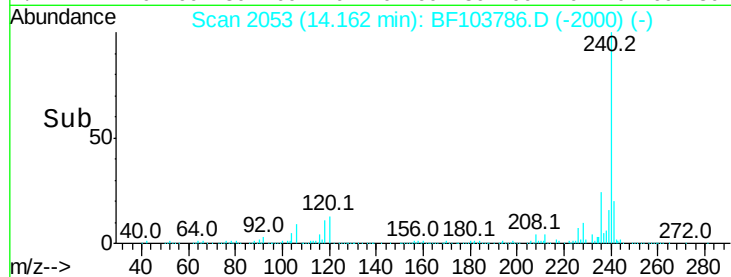
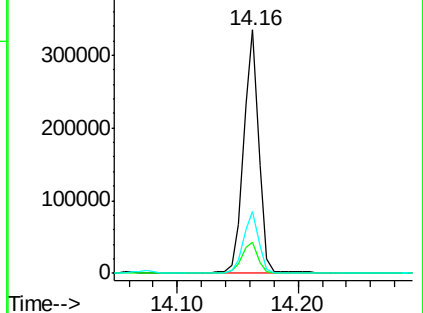
236 25.6 20.7 31.1



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: 28.288 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

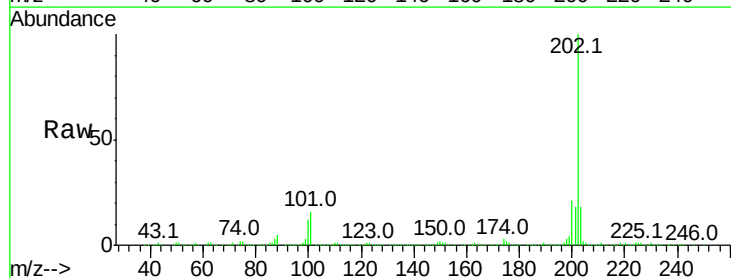
Tgt Ion:202 Resp: 606032

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

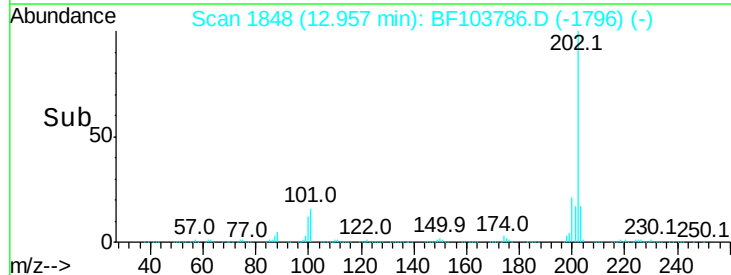
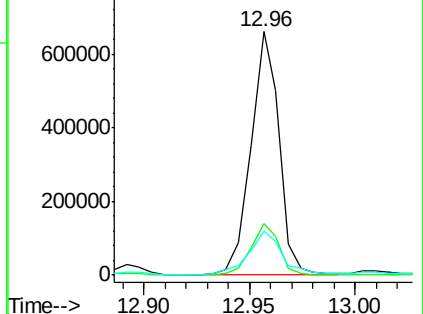
203 18.2 14.3 21.5

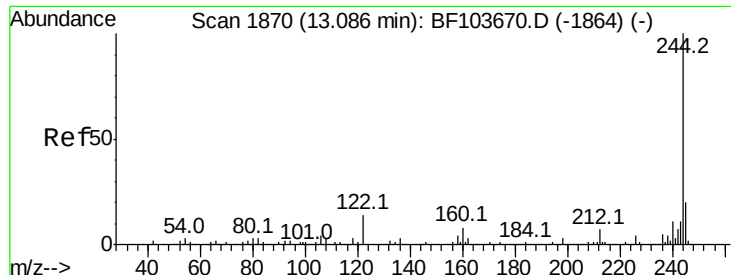


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 2.240 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampleId :

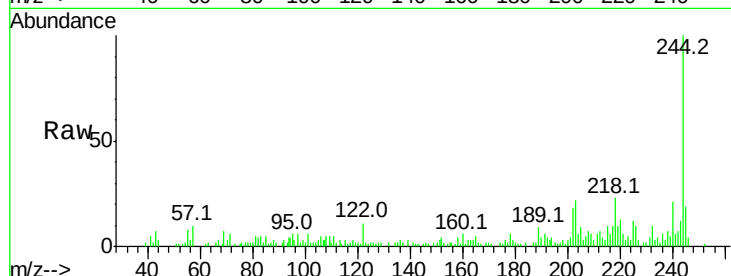
Tot Ion:244 Resp: 28155

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

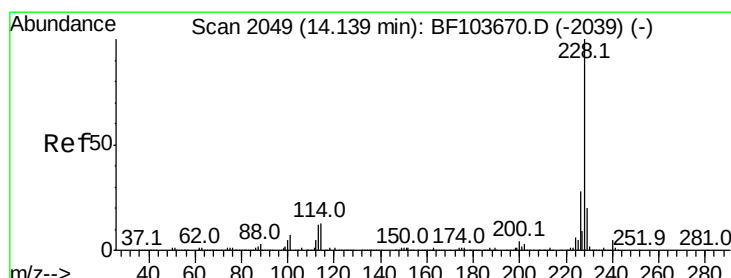
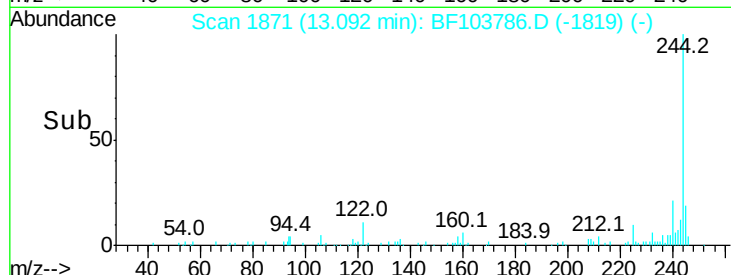
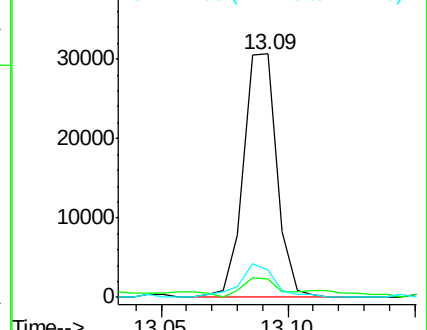
122 11.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 11.202 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.05 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

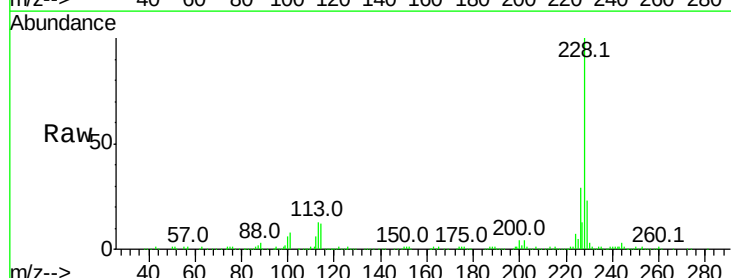
Tgt Ion:228 Resp: 206857

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

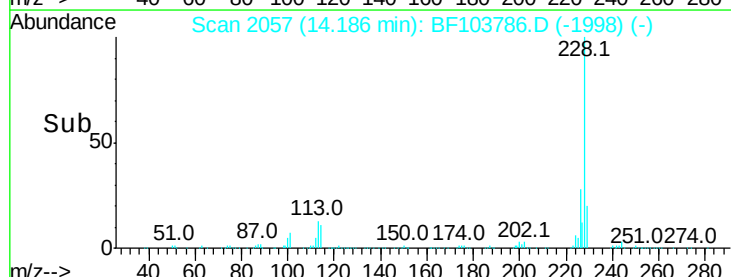
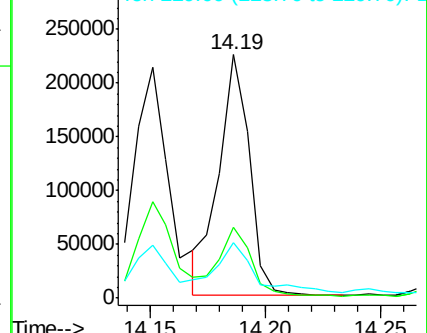
229 22.7 15.8 23.6

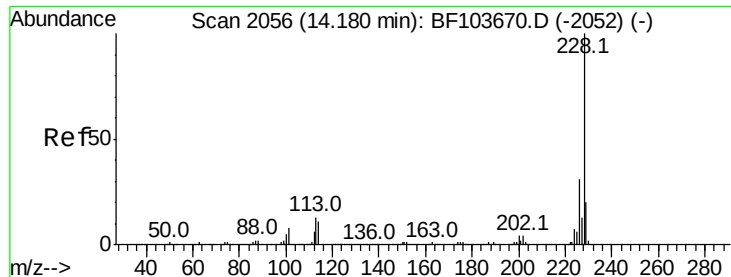


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.751 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampleId :

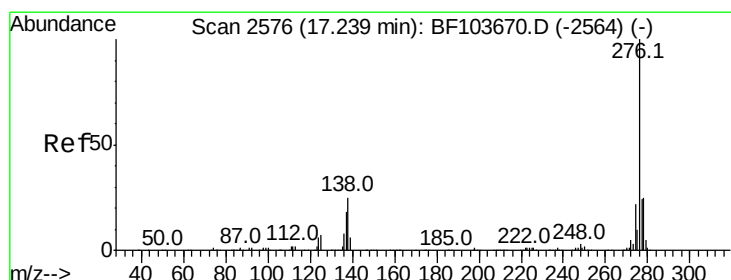
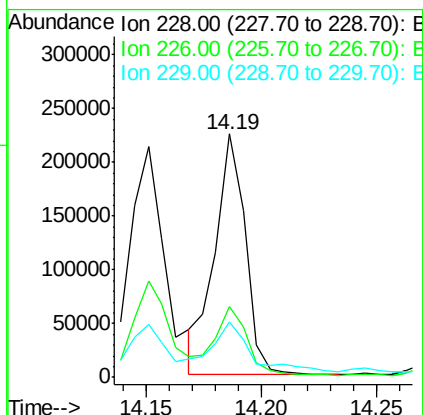
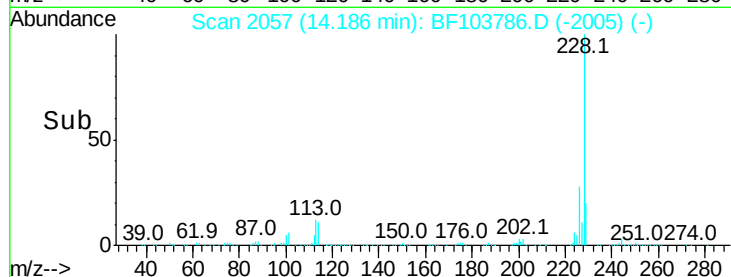
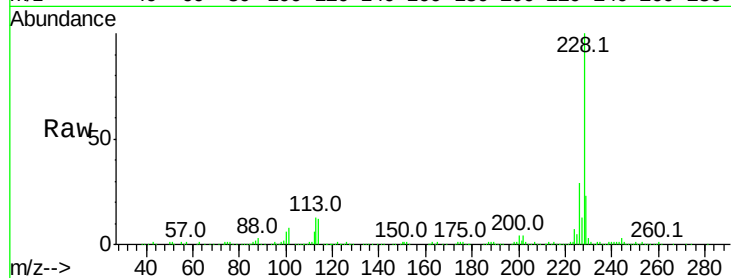
Tot Ion:228 Resp: 206857

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

229 22.7 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.470 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.04 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

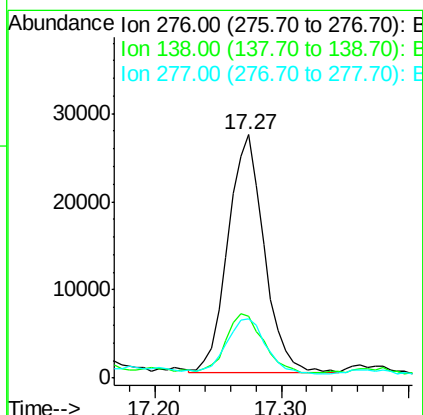
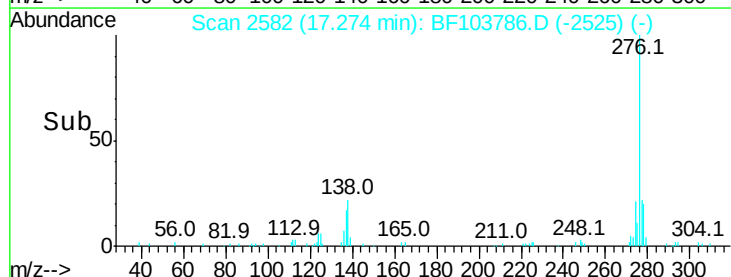
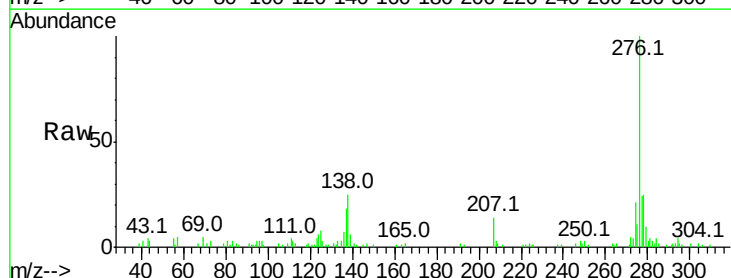
Tgt Ion:276 Resp: 53346

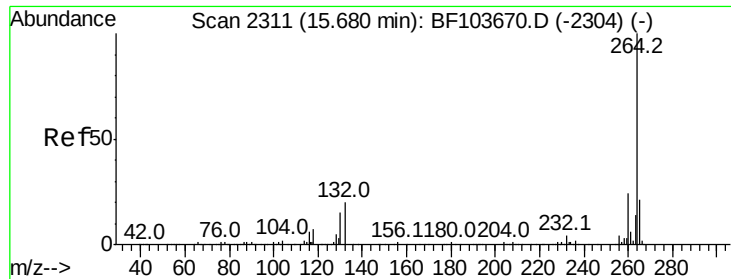
Ion Ratio Lower Upper

276 100

138 25.9 25.0 37.6

277 25.6 20.1 30.1

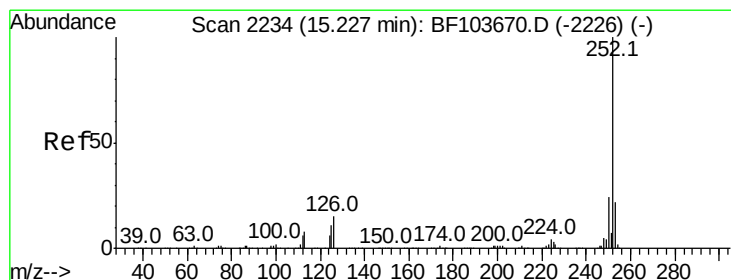
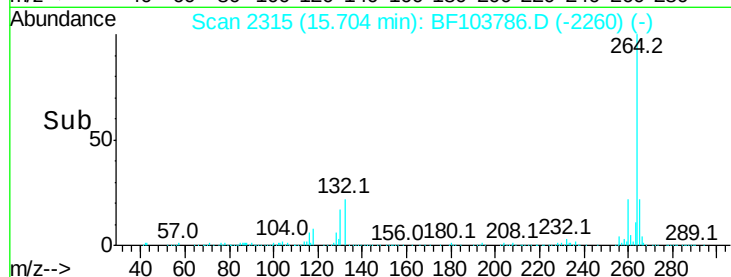
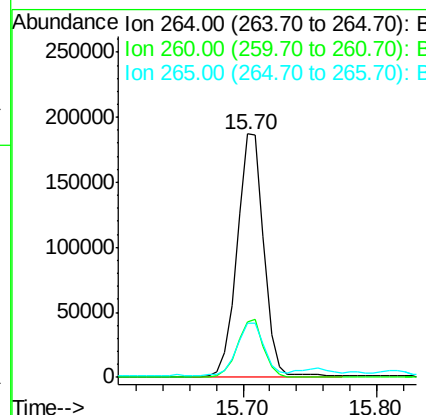
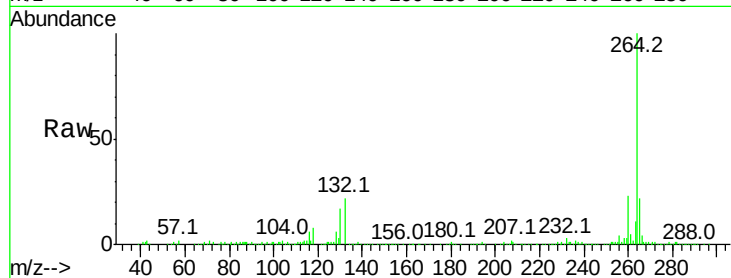




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

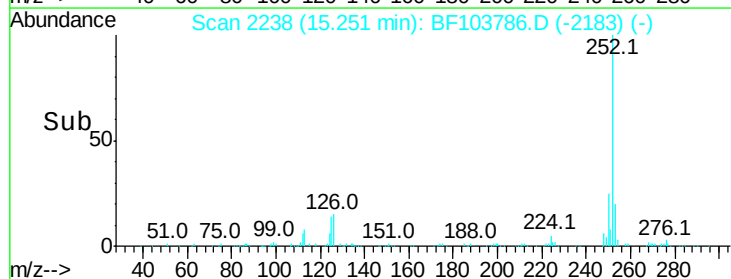
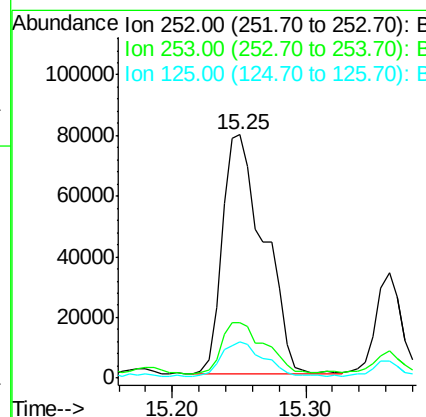
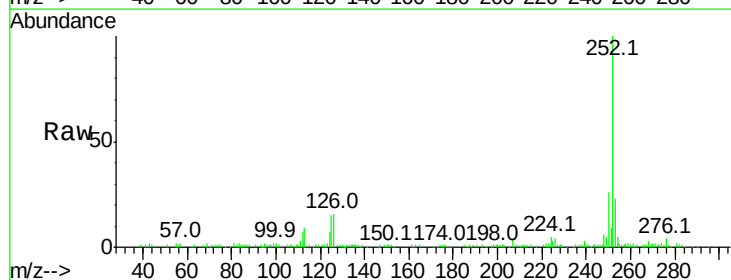
Instrument :
BNA_F
ClientSampled :

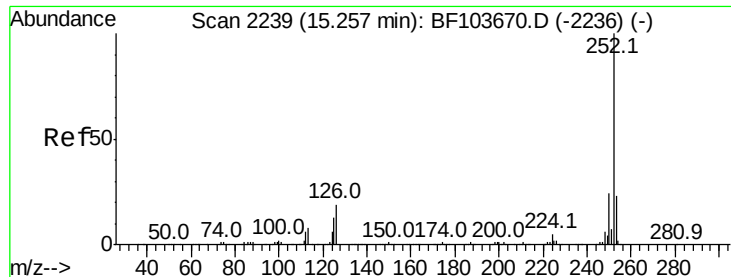
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	22.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 10.500 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.8	9.0	13.6

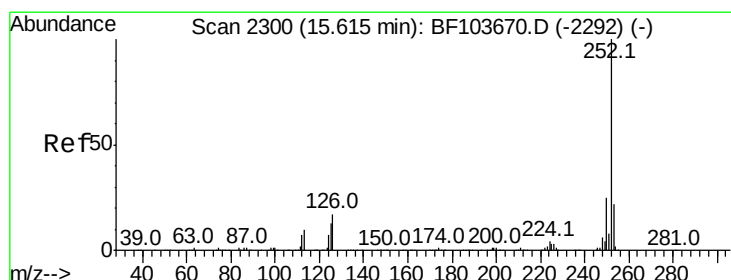
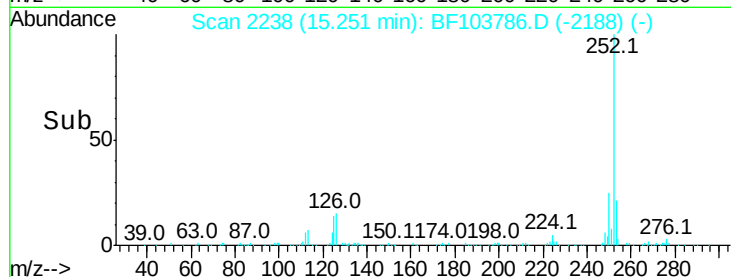
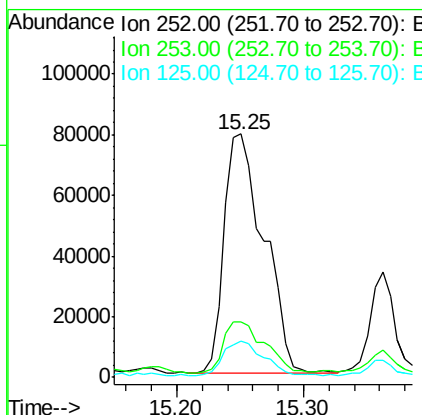
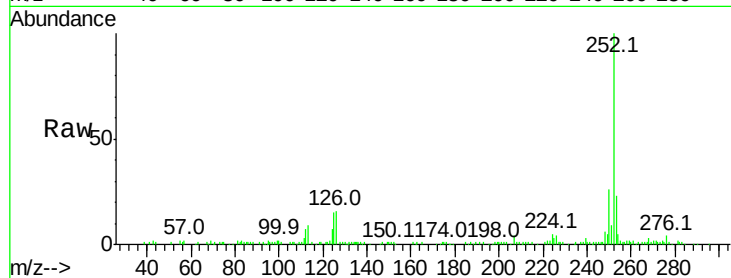




#88
Benzo(k)fluoranthene
Concen: 10.892 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

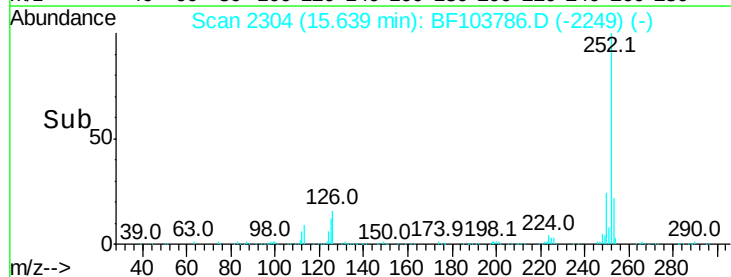
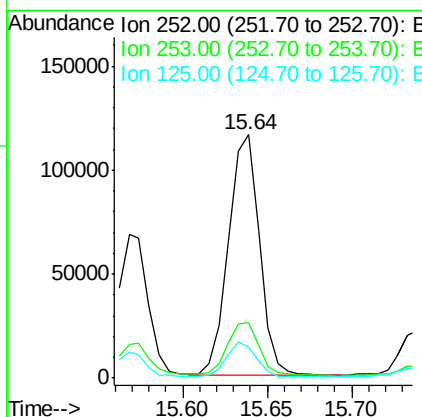
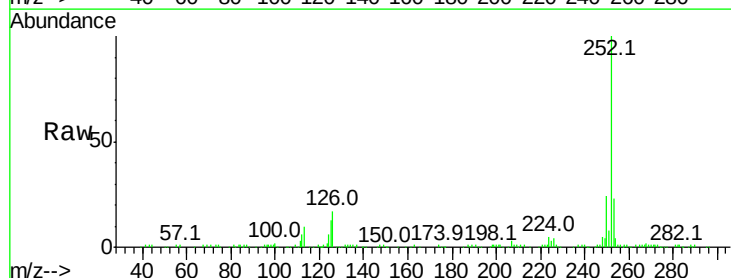
Instrument :
BNA_F
ClientSampleId :

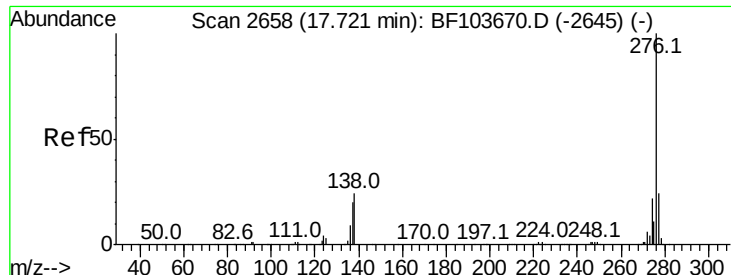
Tot Ion:252 Resp: 171963
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 14.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.927 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF103786.D
Acq: 20 Mar 2018 5:57

Tgt Ion:252 Resp: 147880
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 12.6 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 4.730 ng

RT: 17.75 min Scan# 2663

Delta R.T. 0.03 min

Lab File: BF103786.D

Acq: 20 Mar 2018 5:57

Instrument :

BNA_F

ClientSampleId :

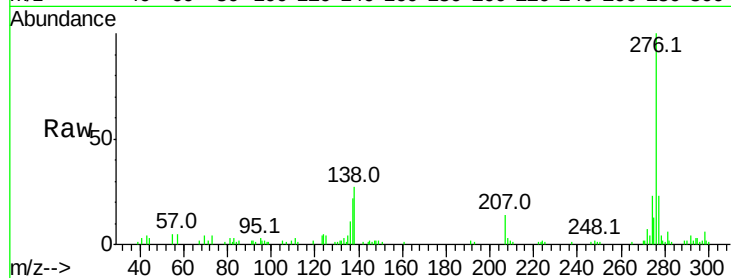
Tot Ion: 276 Resp: 59350

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 26.5 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

