

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103896.D
 Acq On : 23 Mar 2018 23:11
 Operator : JU/SJ
 Sample : J1996-03 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 00:52:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	132923	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	463273	20.00	ng	0.01
38) Acenaphthene-d10	10.02	164	246559	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	326870	20.00	ng	0.01
75) Chrysene-d12	14.20	240	164999	20.00	ng	0.03
86) Perylene-d12	15.74	264	199241	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	36917	4.22	ng	0.00
7) Phenol-d6	6.59	99	47993	4.49	ng	-0.01
23) Nitrobenzene-d5	7.53	82	25965	3.91	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	8624	4.07	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	59169	3.83	ng	0.00
78) Terphenyl-d14	13.10	244	48568	6.83	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.50	117	17616	4.780	ng	# 1
26) 2-Nitrophenol	7.93	139	318	9.532	ng	# 20
31) Naphthalene	8.30	128	7243757	309.534	ng	# 97
32) Benzoic acid	8.04	122	3361	10.479	ng	# 1
33) 4-Chloroaniline	8.30	127	1039985	105.927	ng	# 34
37) 2-Methylnaphthalene	8.97	142	835090	56.271	ng	# 98
45) 1,1'-Biphenyl	9.43	154	941498	45.794	ng	# 99
47) 2-Nitroaniline	9.53	65	12131	9.251	ng	# 28
48) Acenaphthylene	9.89	152	1482867	58.561	ng	# 98
50) 2,6-Dinitrotoluene	9.71	165	12563	7.150	ng	# 1
51) Acenaphthene	10.07	154	1705370	113.423	ng	# 98
52) 3-Nitroaniline	10.00	138	1938	4.223	ng	# 78
53) 2,4-Dinitrophenol	10.08	184	313	6.951	ng	# 1
54) Dibenzofuran	10.23	168	2100025	97.794	ng	# 95
55) 4-Nitrophenol	10.23	139	852688	237.176	ng	# 10
56) 2,4-Dinitrotoluene	10.19	165	19530	9.902	ng	# 52
57) Fluorene	10.59	166	2426746	145.635	ng	# 99
61) 4-Nitroaniline	10.59	138	27850	9.866	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.62	198	1717	9.680	ng	# 1
65) n-Nitrosodiphenylamine	10.93	169	87142	7.832	ng	# 95
70) Phenanthrene	11.56	178	6204782	347.013	ng	# 98
71) Anthracene	11.62	178	2856096	157.269	ng	# 97
72) Carbazole	11.76	167	1226220	69.469	ng	# 99
74) Fluoranthene	12.77	202	5223435	283.558	ng	# 98
77) Pyrene	13.01	202	4701796	388.020	ng	# 97
80) Benzo(a)anthracene	14.19	228	2691769	257.724	ng	# 90
82) Chrysene	14.23	228	2233088	224.292	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.36	276	1282699	147.527	ng	# 93
87) Benzo(b)fluoranthene	15.29	252	3666672	291.293	ng	# 96
88) Benzo(k)fluoranthene	15.29	252	3665575	302.939	ng	# 99
89) Benzo(a)pyrene	15.70	252	2235301	195.786	ng	# 95
90) Dibenzo(a,h)anthracene	17.36	278	343809	34.777	ng	# 95
91) Benzo(a,h,i)perylene	17.85	276	1148579	119.425	ng	# 97

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
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Response via : Initial Calibration

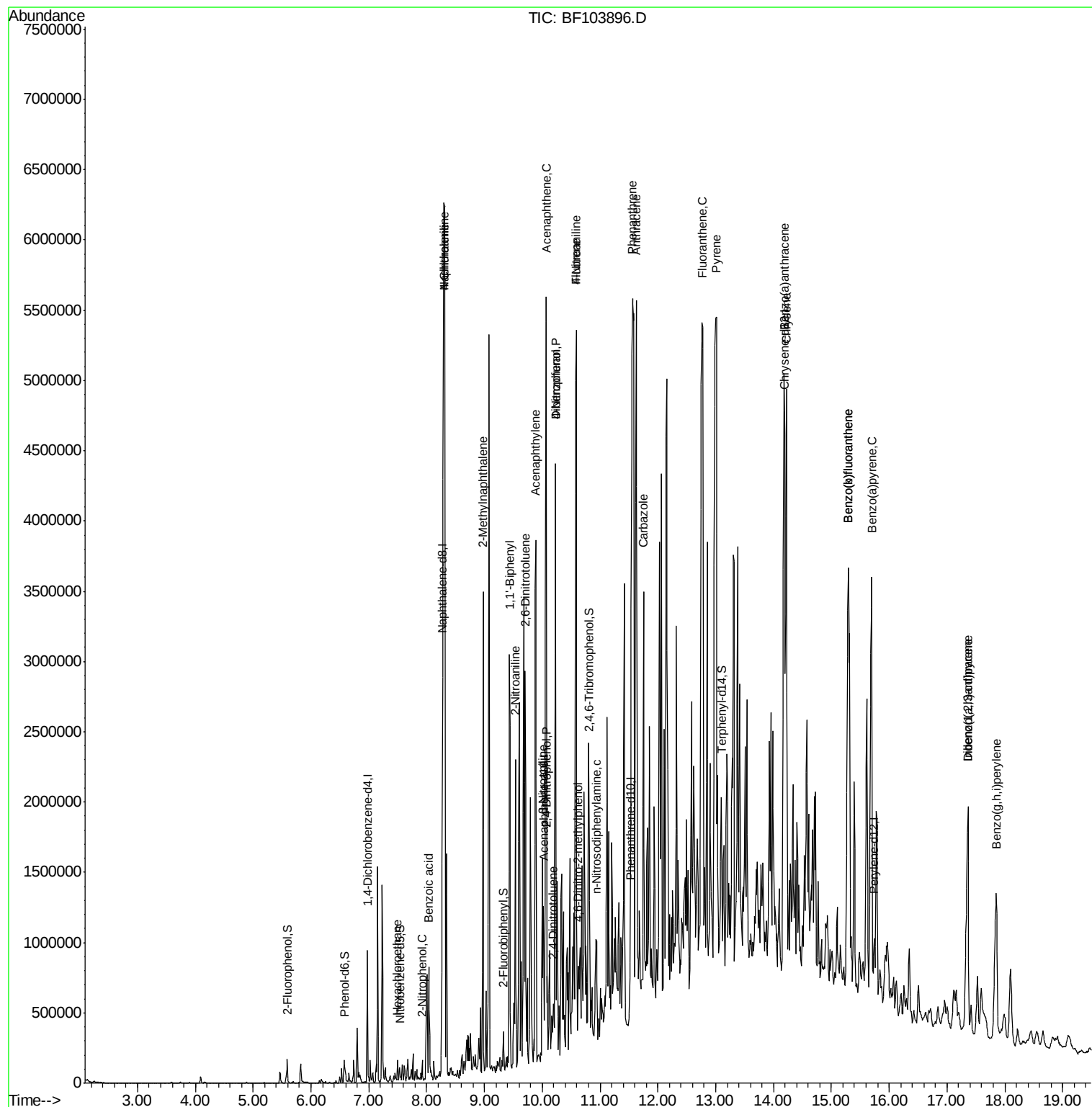
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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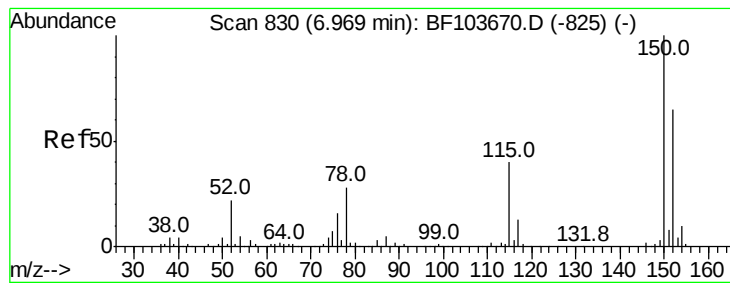
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Data File : BF103896.D
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Sample : J1996-03 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Mar 24 00:52:25 2018
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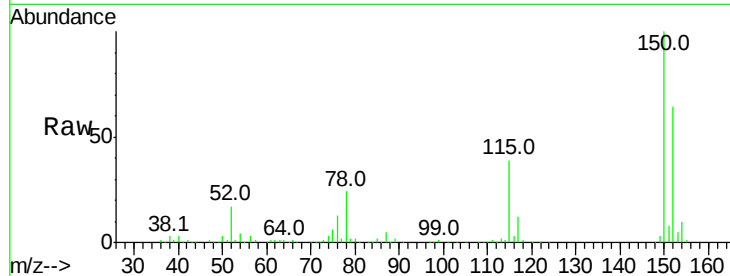


#1

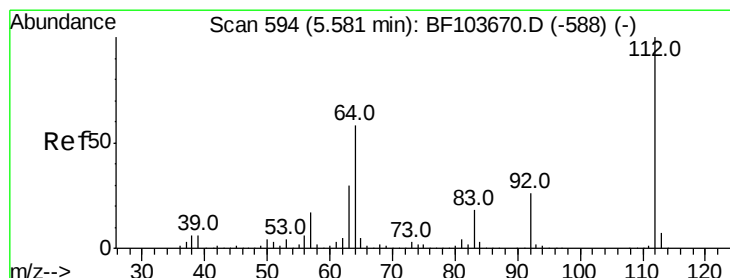
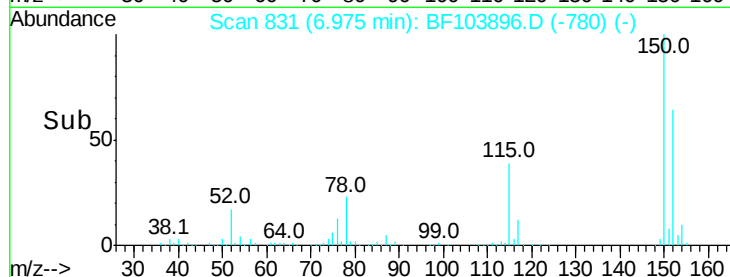
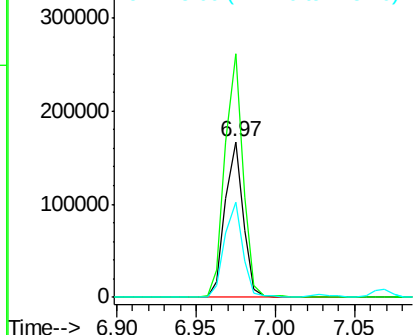
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132923
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 61.3 50.1 75.1



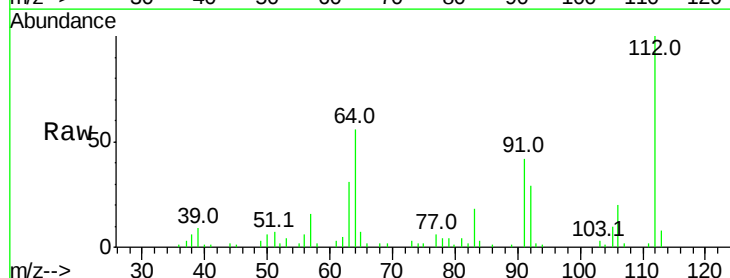
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



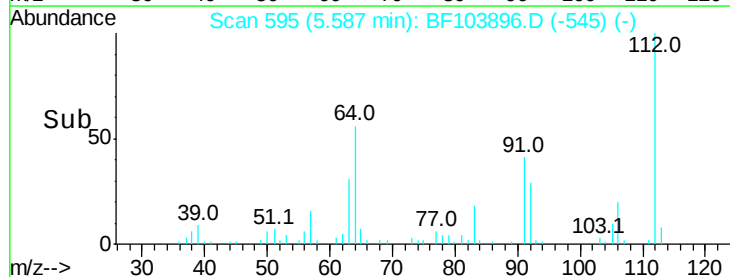
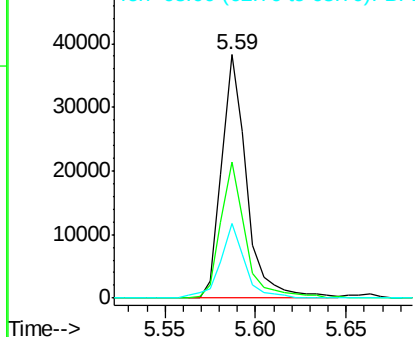
#5

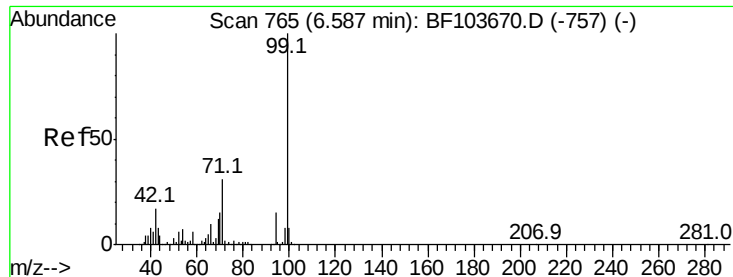
2-Fluorophenol
Concen: 4.224 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Tgt Ion:112 Resp: 36917
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 30.6 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: 4.489 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

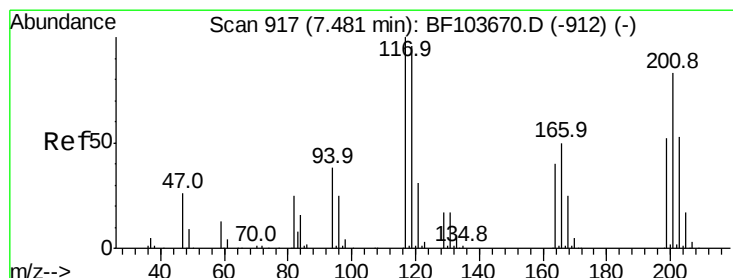
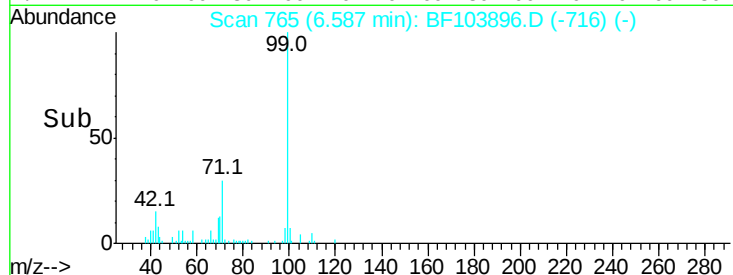
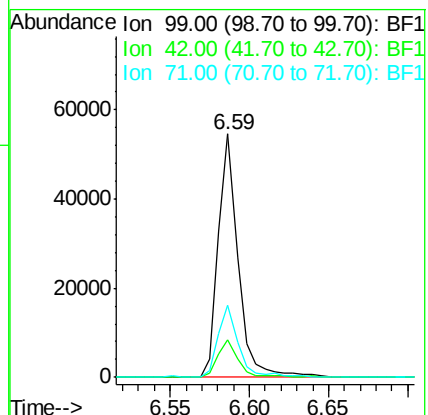
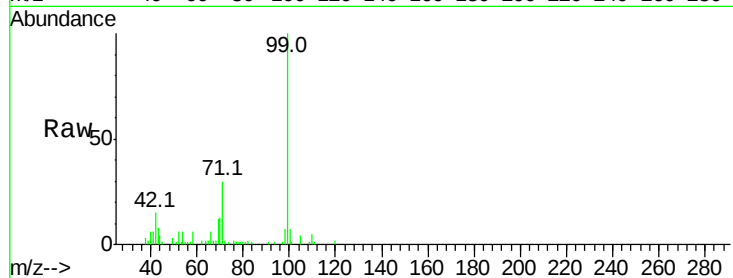
Tot Ion: 99 Resp: 47993

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 29.6 25.4 38.0



#18

Hexachloroethane

Concen: 4.780 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

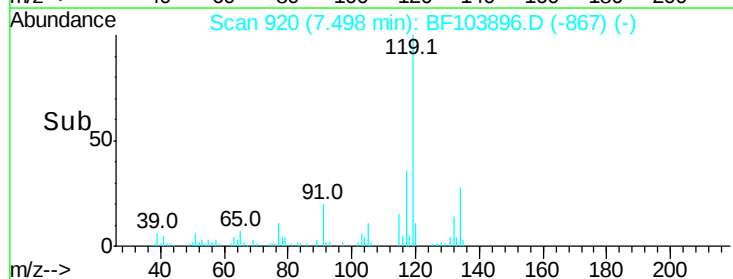
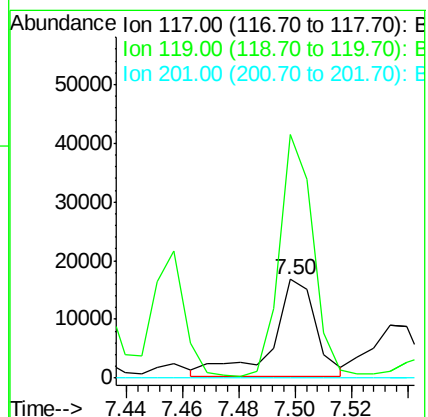
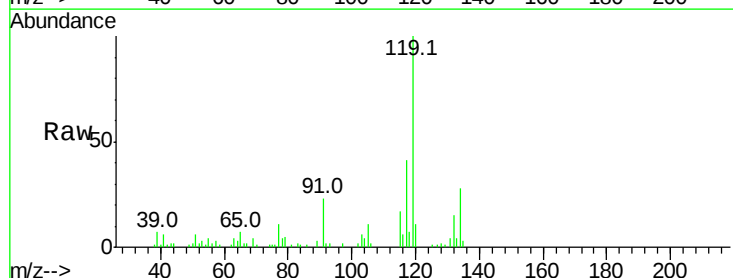
Tgt Ion: 117 Resp: 17616

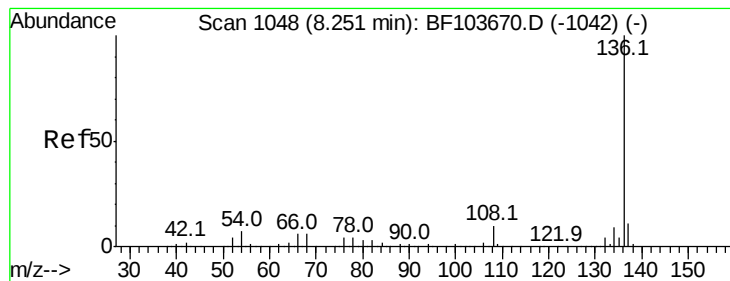
Ion Ratio Lower Upper

117 100

119 246.3 75.8 113.8#

201 0.0 75.7 113.5#

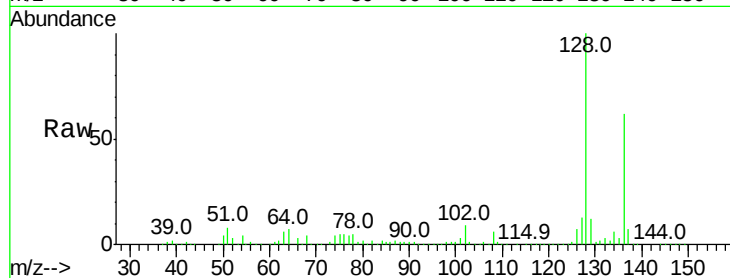




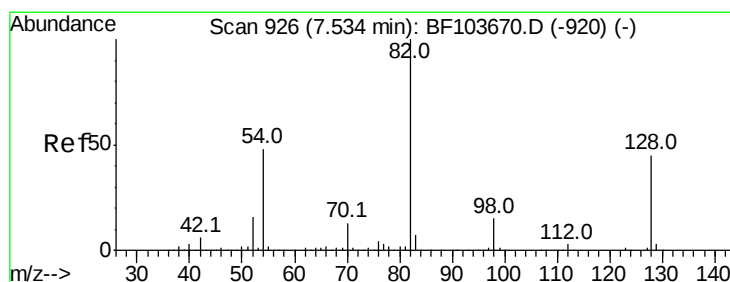
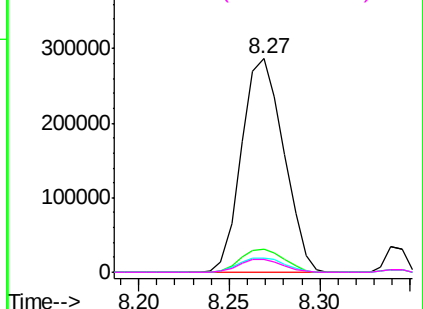
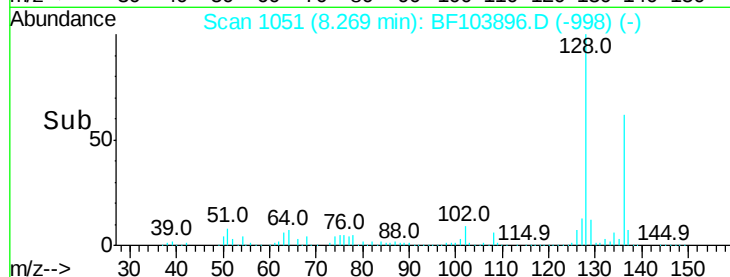
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	463273
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.5	6.6 9.8#
68	6.2	5.0 7.4

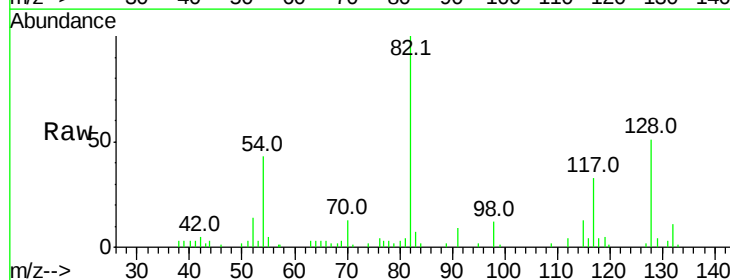


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

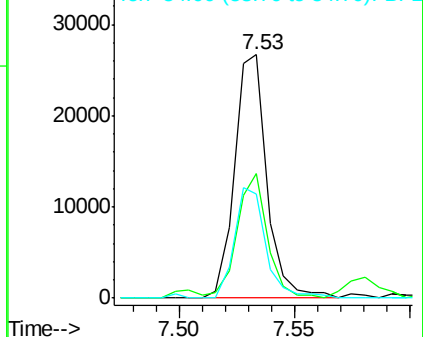
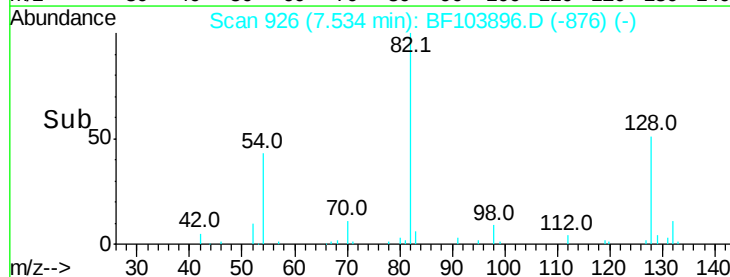


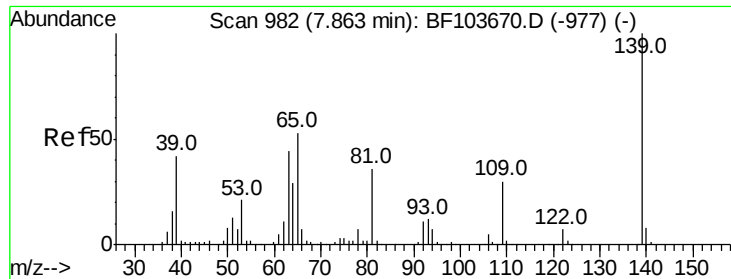
#23
Nitrobenzene-d5
Concen: 3.908 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Tgt Ion: 82	Resp:	25965
Ion Ratio	Lower	Upper
82	100	
128	51.2	36.1 54.1
54	42.9	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

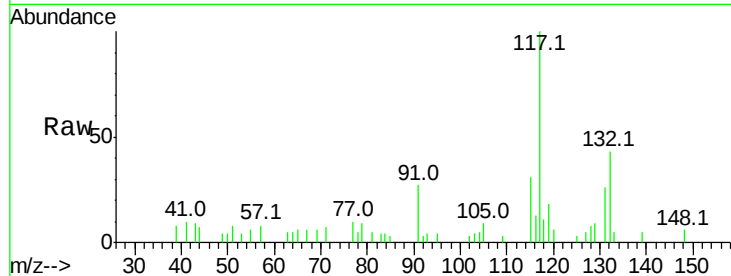




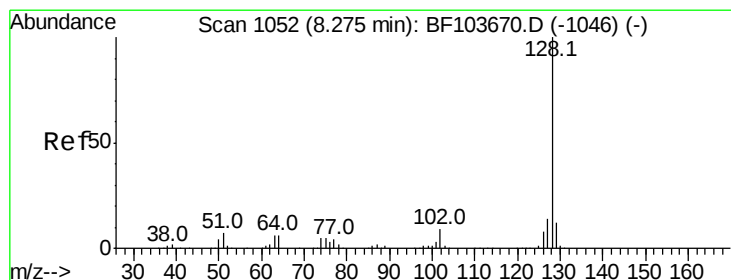
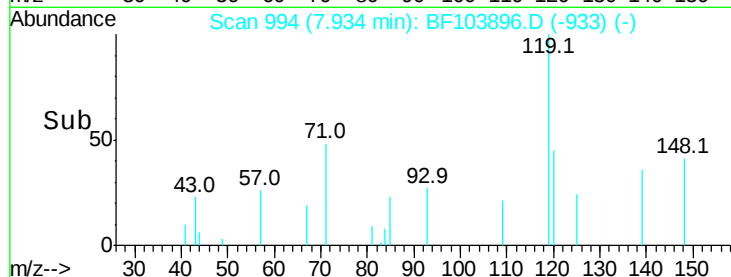
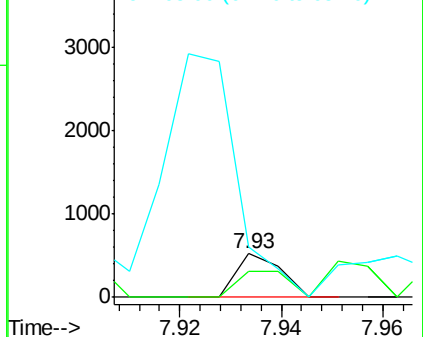
#26
2-Nitrophenol
Concen: 9.532 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.06 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 318
Ion Ratio Lower Upper
139 100
109 59.0 22.7 34.1#
65 115.0 40.5 60.7#

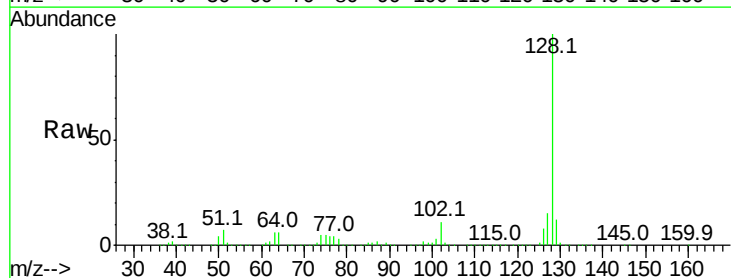


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

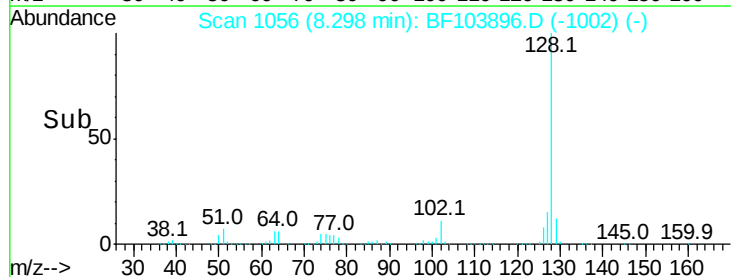
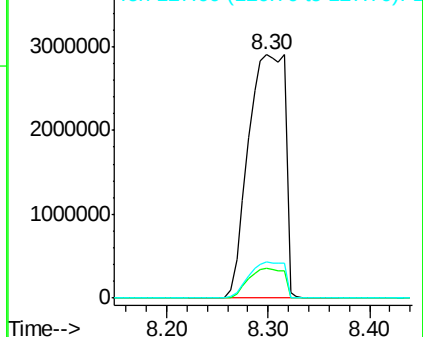


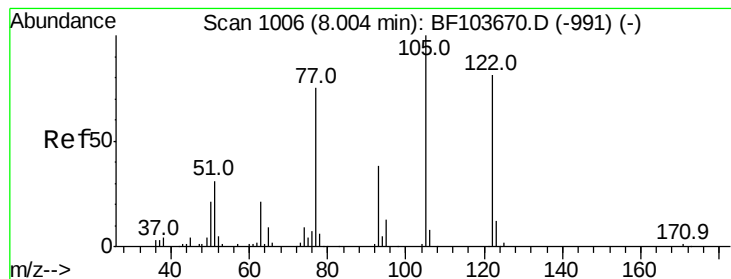
#31
Naphthalene
Concen: 309.534 ng
RT: 8.30 min Scan# 1056
Delta R.T. 0.02 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Tgt Ion:128 Resp: 7243757
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 14.6 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: 10.479 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

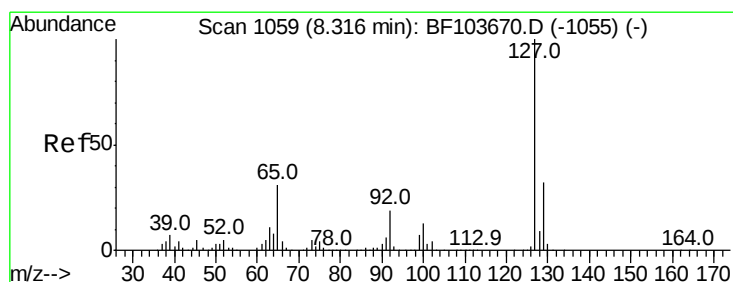
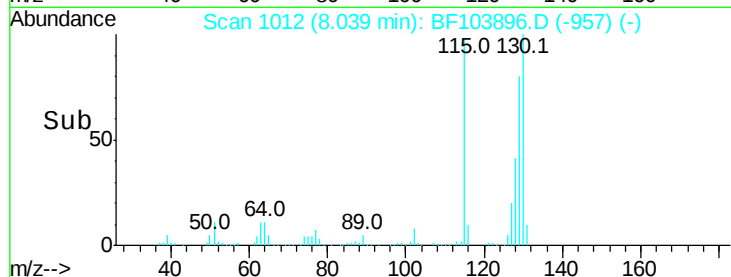
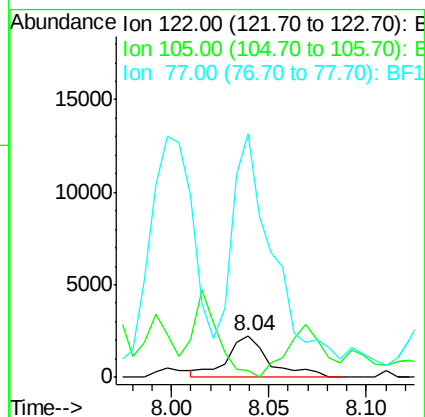
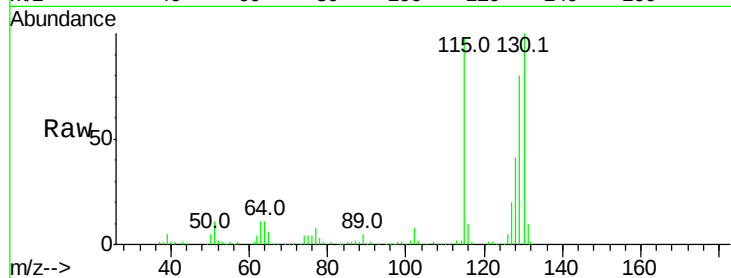
Tot Ion:122 Resp: 3361

Ion Ratio Lower Upper

122 100

105 16.9 101.1 141.1#

77 581.6 70.7 110.7#



#33

4-Chloroaniline

Concen: 105.927 ng

RT: 8.30 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Tgt Ion:127 Resp: 1039985

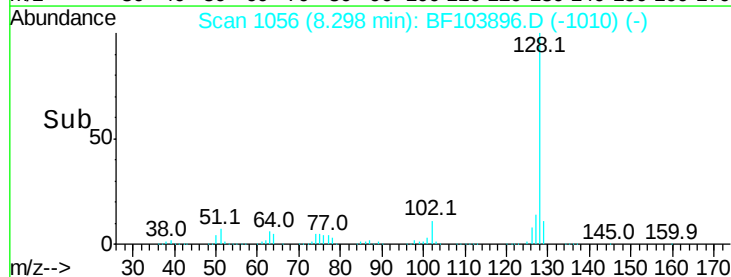
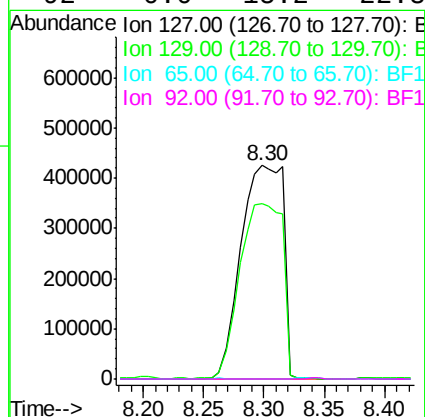
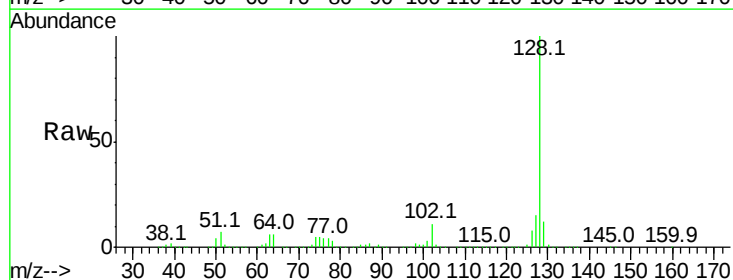
Ion Ratio Lower Upper

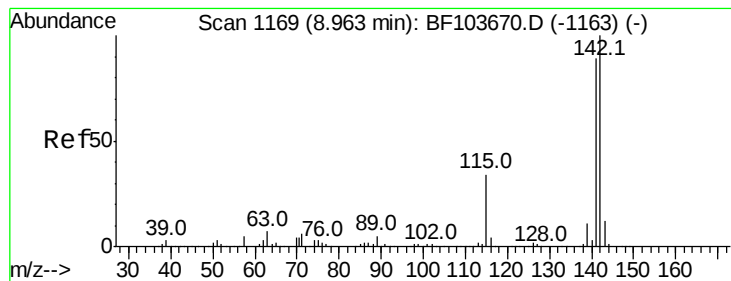
127 100

129 82.0 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

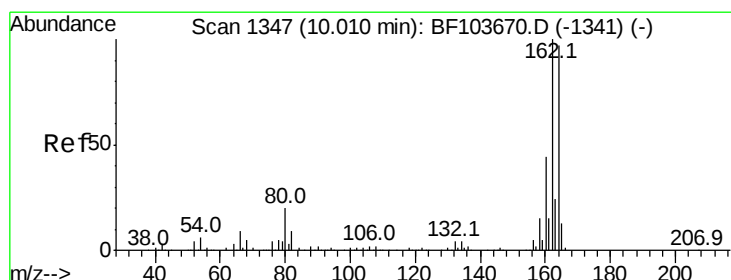
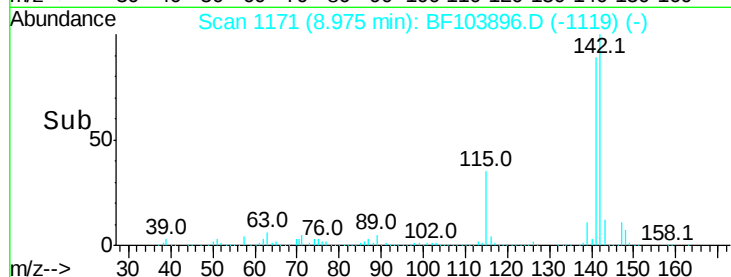
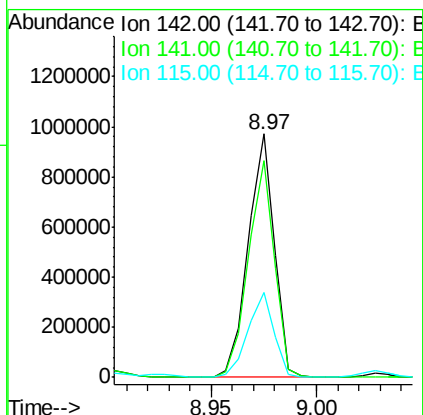
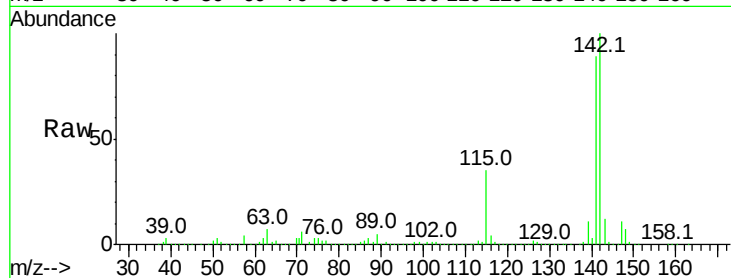




#37
2-Methylnaphthalene
Concen: 56.271 ng
RT: 8.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

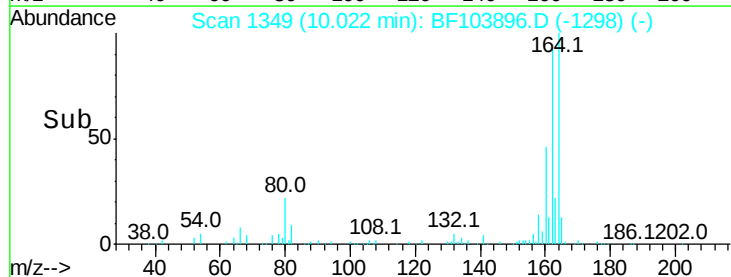
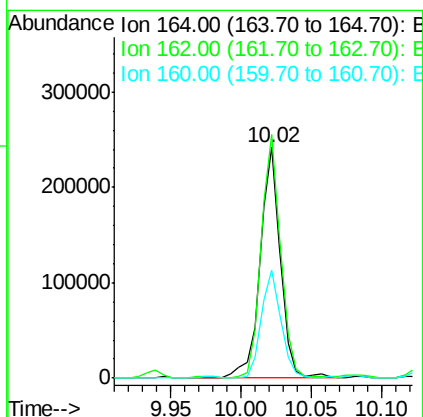
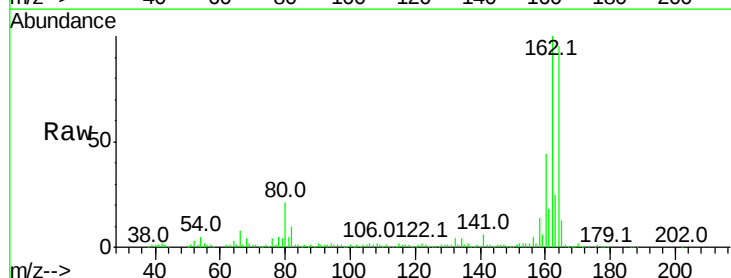
Instrument :
BNA_F
ClientSampleId :

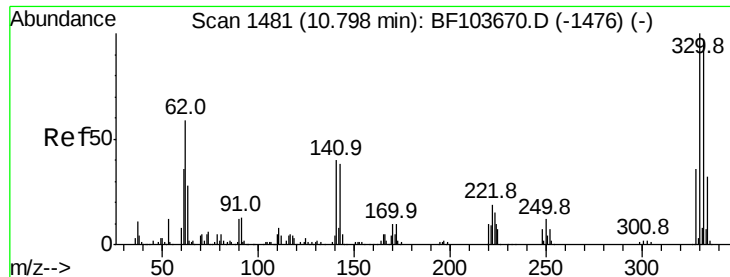
Tot Ion:142 Resp: 835090
Ion Ratio Lower Upper
142 100
141 89.0 70.8 106.2
115 35.0 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Tgt Ion:164 Resp: 246559
Ion Ratio Lower Upper
164 100
162 105.7 86.1 129.1
160 46.8 38.3 57.5

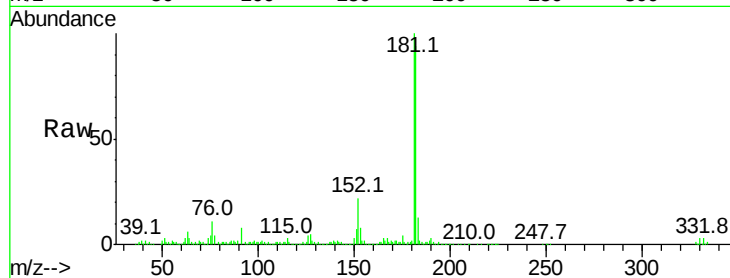




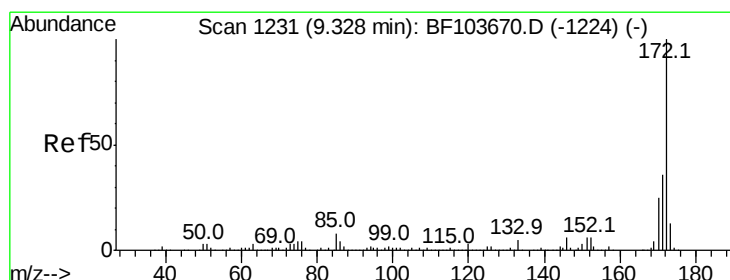
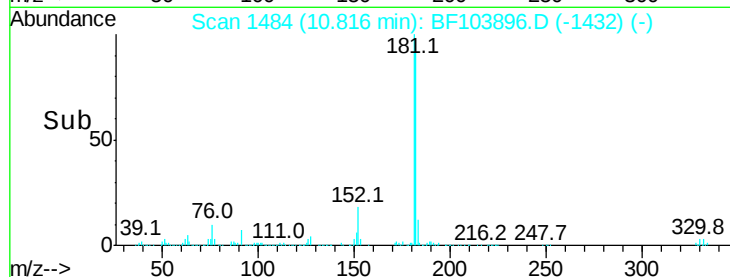
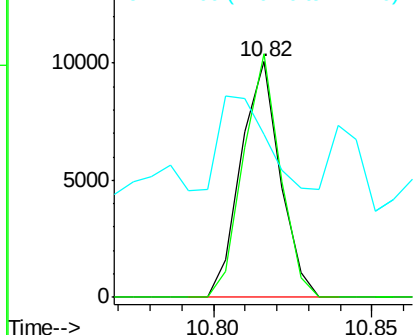
#41
 2,4,6-Tribromophenol
 Concen: 4.068 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: BF103896.D
 Acq: 23 Mar 2018 23:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 8624
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 59.1 29.9 44.9#

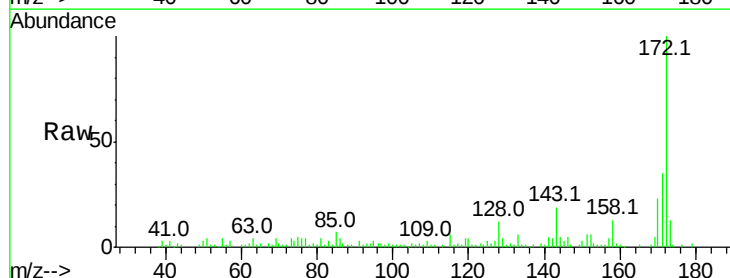


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

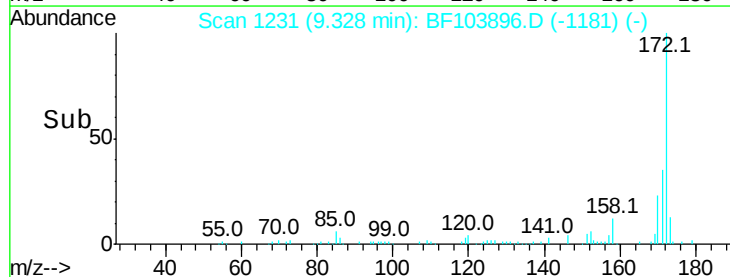
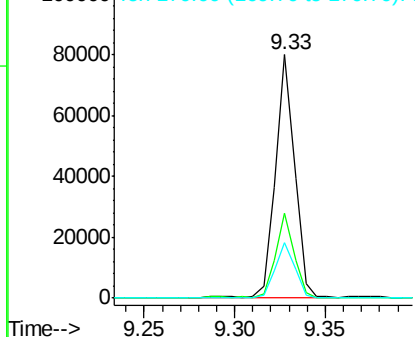


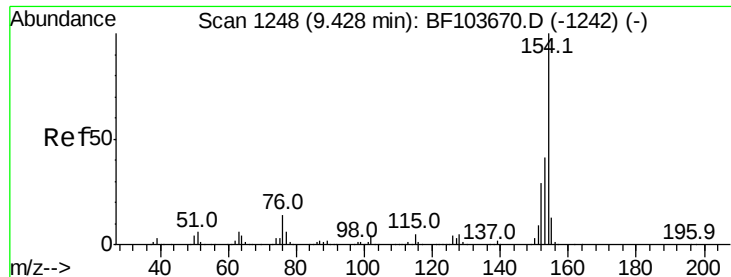
#44
 2-Fluorobiphenyl
 Concen: 3.828 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103896.D
 Acq: 23 Mar 2018 23:11

Tgt Ion:172 Resp: 59169
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 23.0 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: 45.794 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

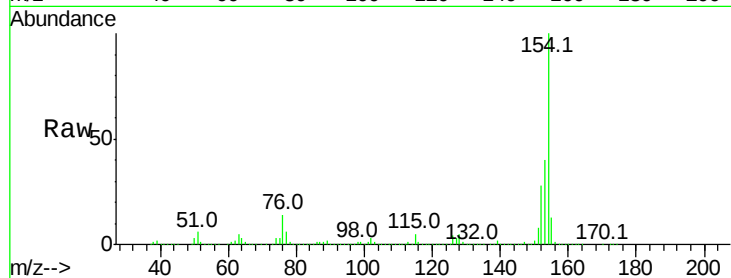
Tot Ion:154 Resp: 941498

Ion Ratio Lower Upper

154 100

153 40.2 21.3 61.3

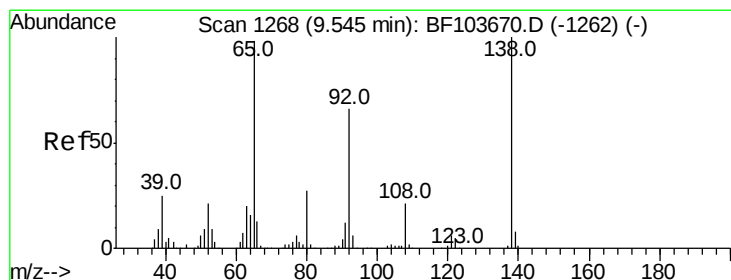
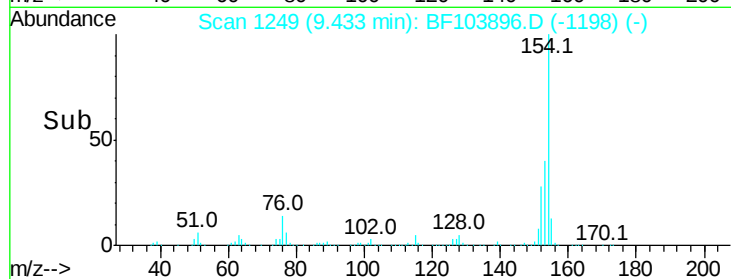
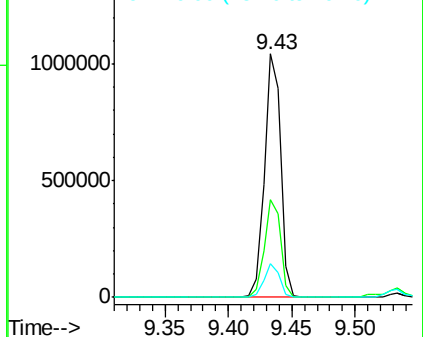
76 14.0 0.0 34.0



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: 9.251 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

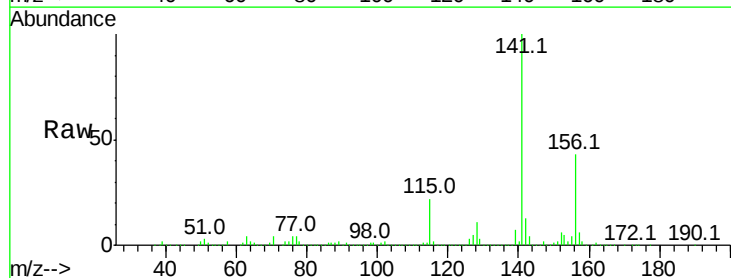
Tgt Ion: 65 Resp: 12131

Ion Ratio Lower Upper

65 100

92 12.3 55.8 83.6#

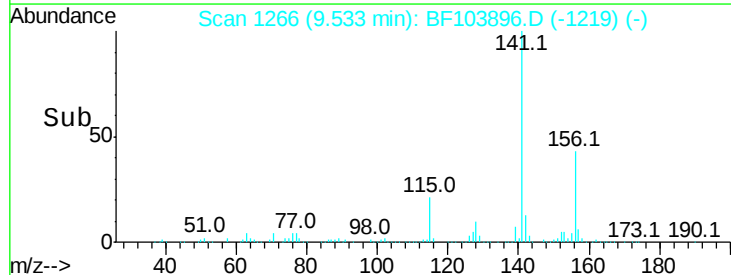
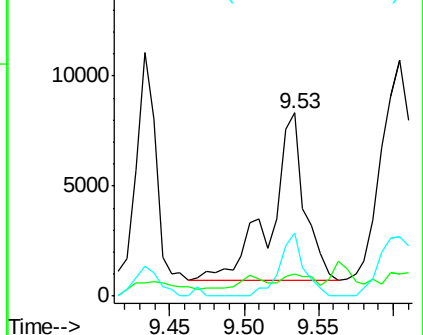
138 34.6 91.2 136.8#

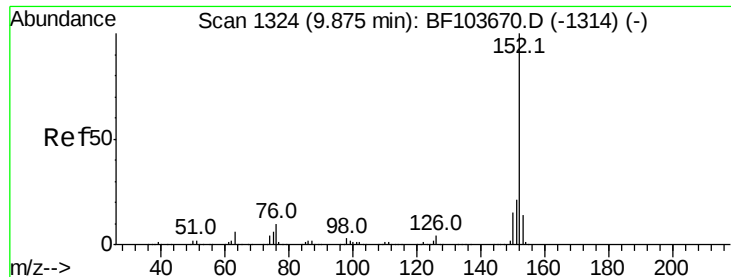


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 58.561 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

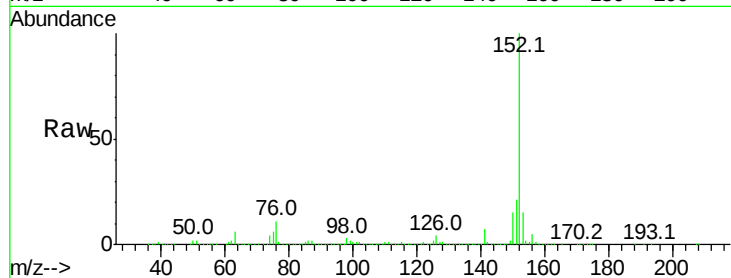
Tot Ion:152 Resp: 1482867

Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

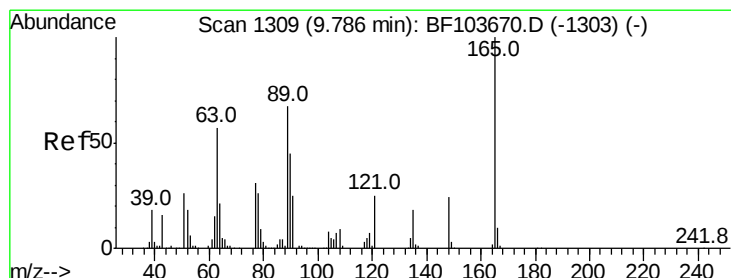
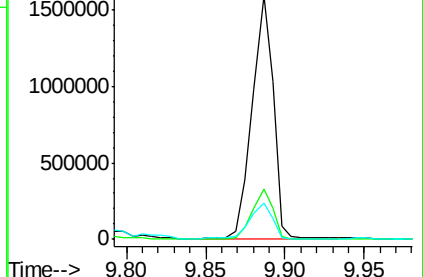
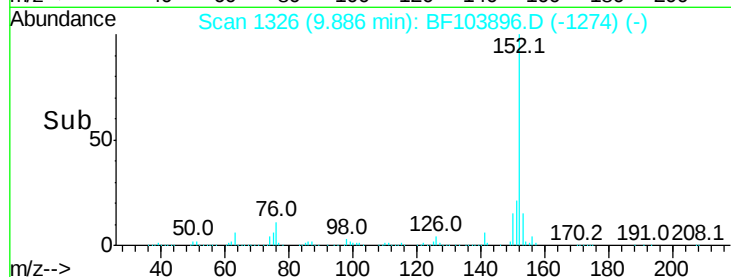
153 14.8 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 7.150 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.09 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

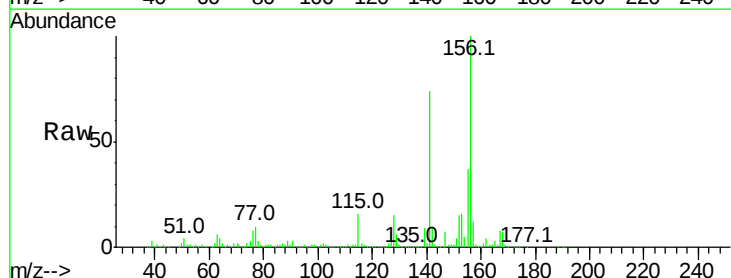
Tgt Ion:165 Resp: 12563

Ion Ratio Lower Upper

165 100

63 200.6 44.7 67.1#

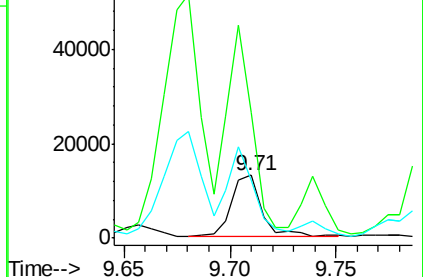
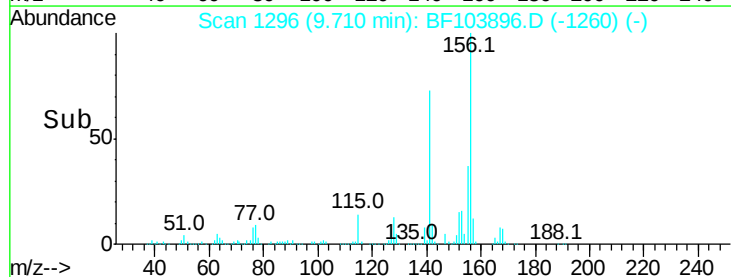
89 92.8 44.0 66.0#

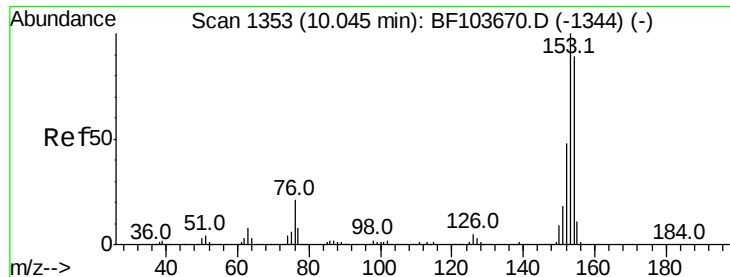


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 113.423 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.01 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

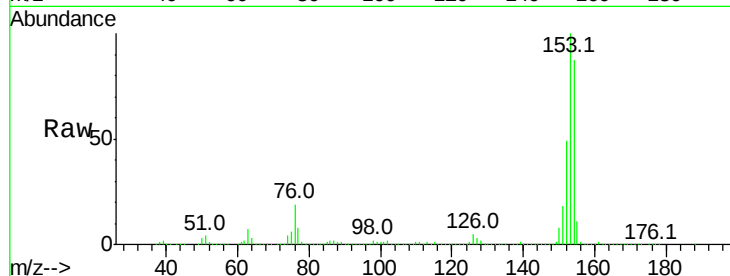
Tot Ion:154 Resp: 1705370

Ion Ratio Lower Upper

154 100

153 115.5 91.2 136.8

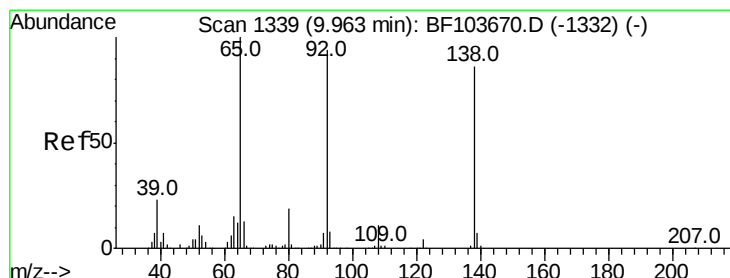
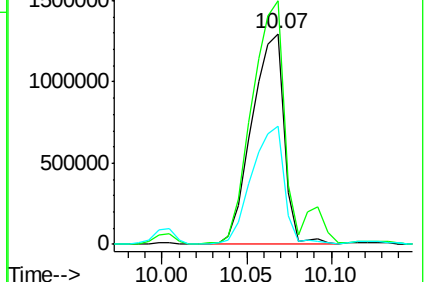
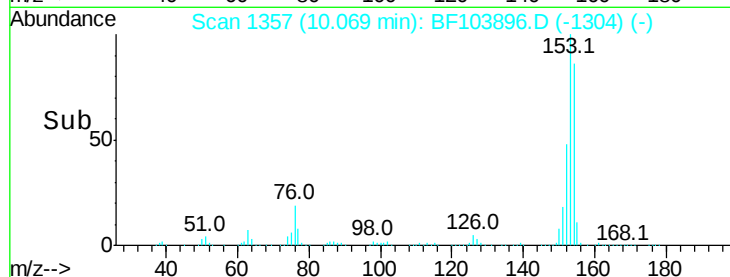
152 56.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 4.223 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.03 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

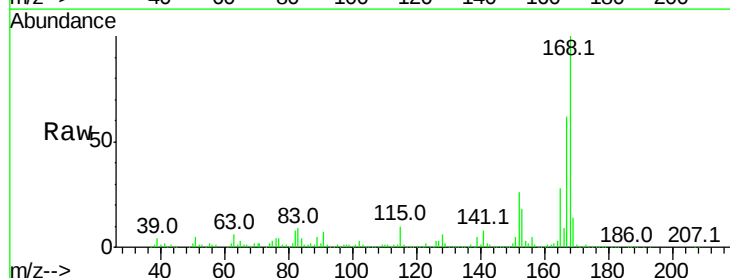
Tgt Ion:138 Resp: 1938

Ion Ratio Lower Upper

138 100

108 26.7 9.4 14.0#

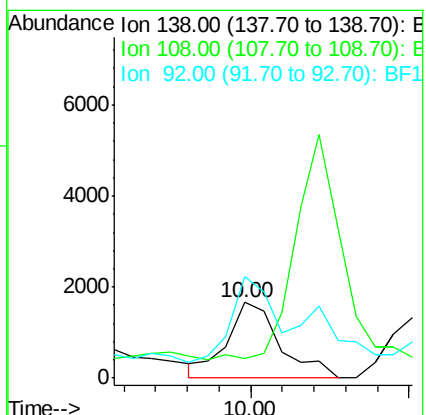
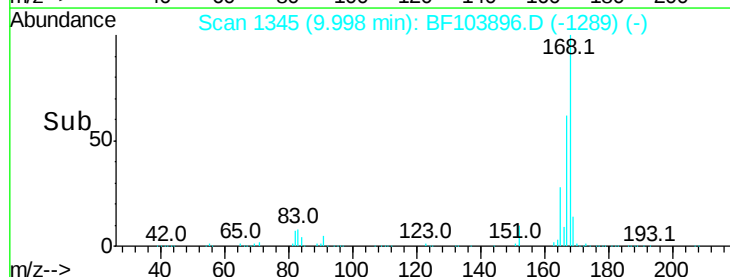
92 133.2 89.4 134.2

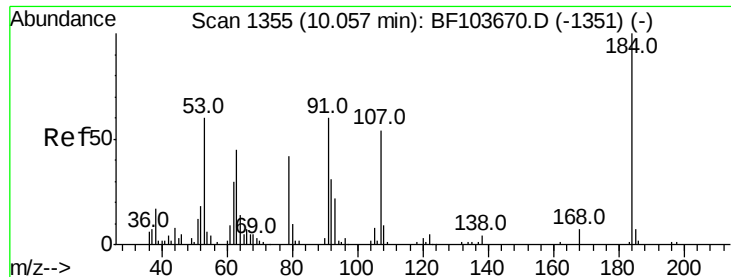


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

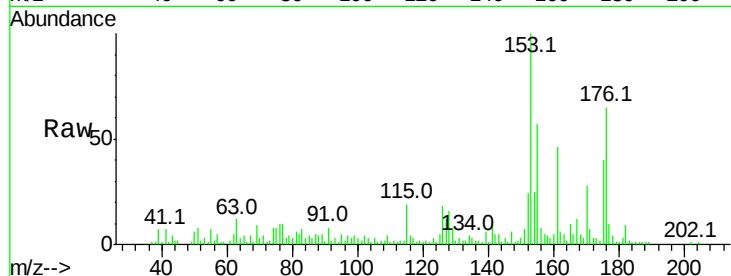




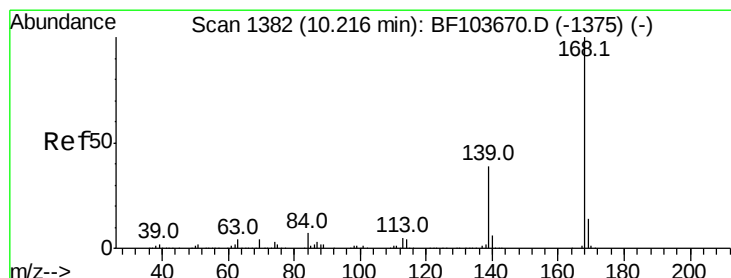
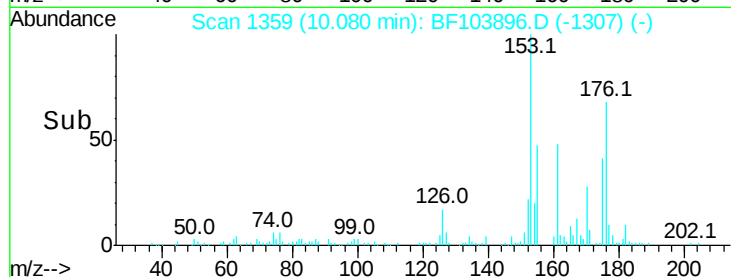
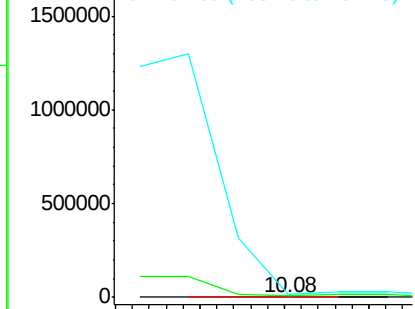
#53
2,4-Dinitrophenol
Concen: 6.951 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 313
Ion Ratio Lower Upper
184 100
63 1528.7 54.2 81.2#
154 3148.7 184.0 276.0#

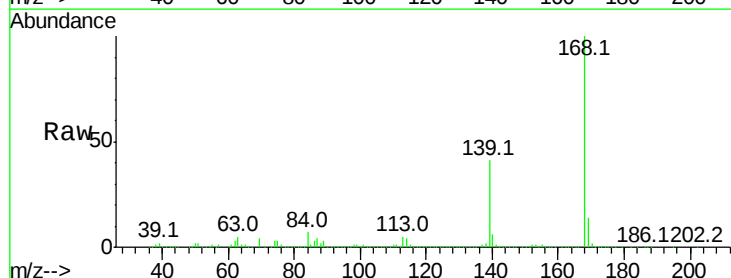


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

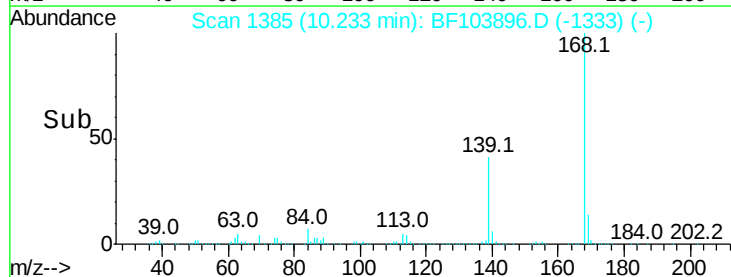
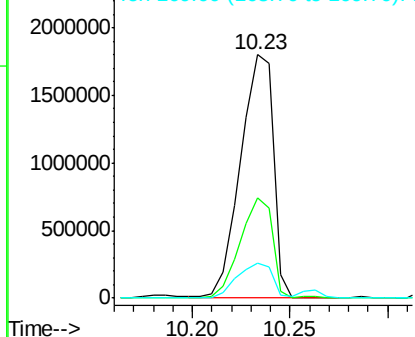


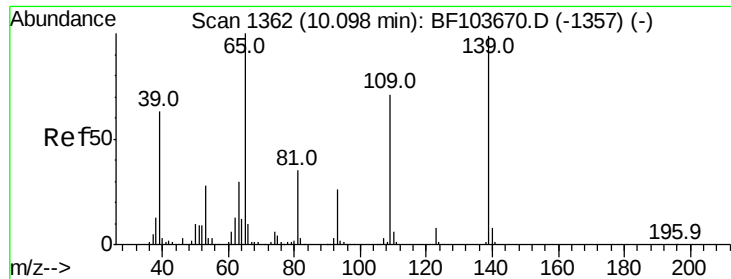
#54
Dibenzofuran
Concen: 97.794 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Tgt Ion:168 Resp: 2100025
Ion Ratio Lower Upper
168 100
139 40.9 30.1 45.1
169 14.3 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: 237.176 ng

RT: 10.23 min Scan# 1385

Delta R.T. 0.11 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampled :

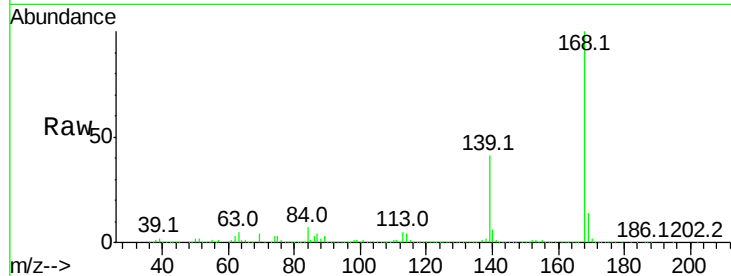
Tot Ion:139 Resp: 852688

Ion Ratio Lower Upper

139 100

109 1.0 48.4 88.4#

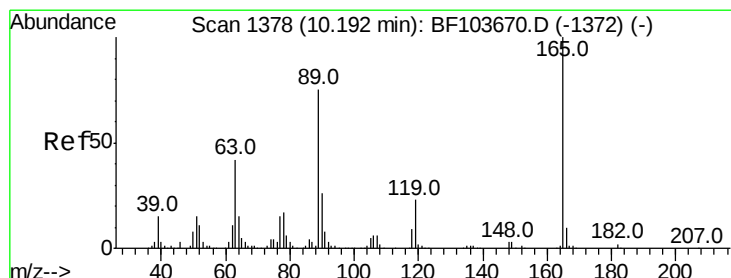
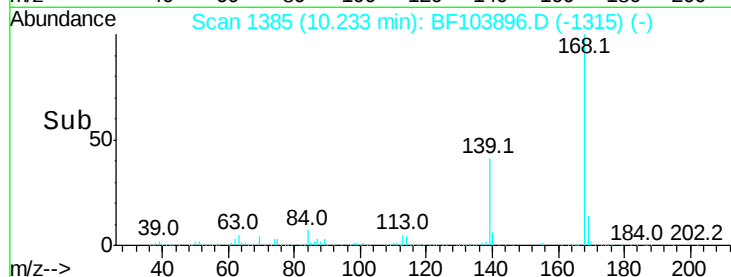
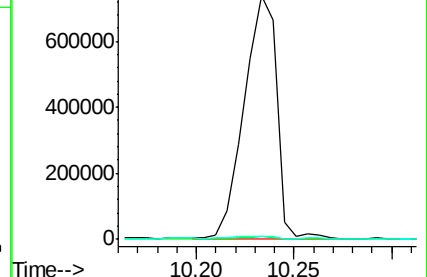
65 1.4 72.6 112.6#



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: 9.902 ng

RT: 10.19 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Tgt Ion:165 Resp: 19530

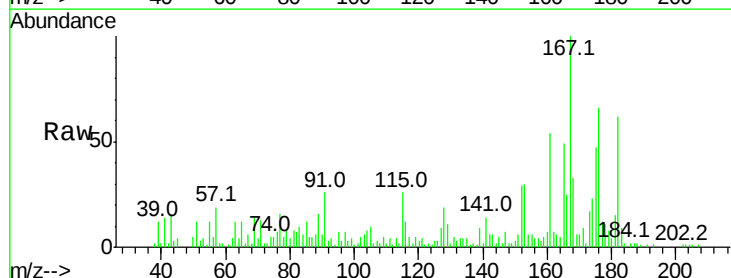
Ion Ratio Lower Upper

165 100

63 23.7 36.4 54.6#

89 31.8 57.8 86.6#

182 126.8 1.6 2.4#

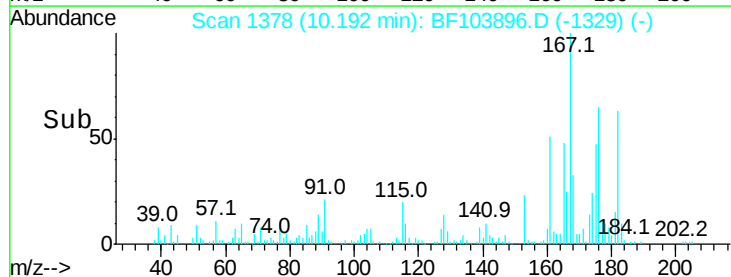
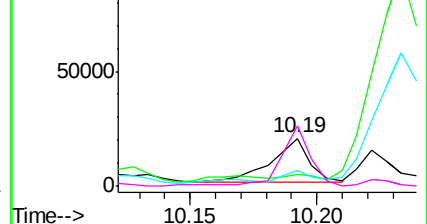


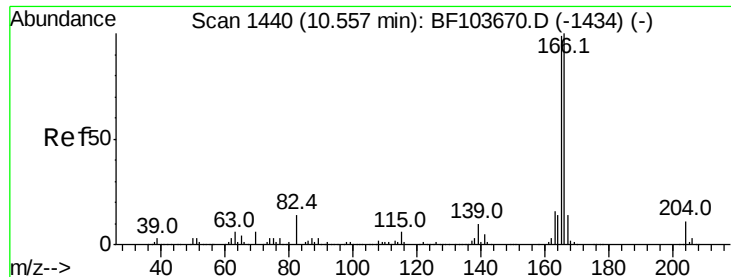
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



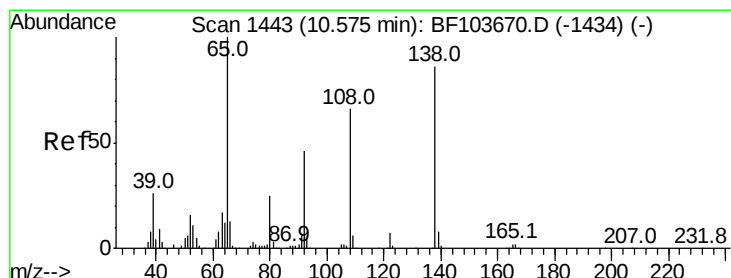
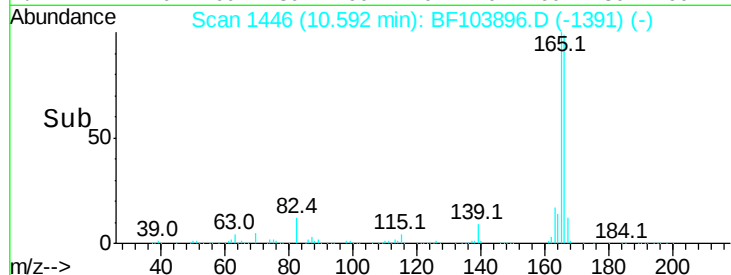
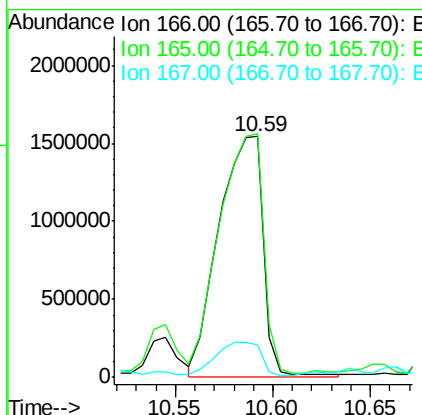
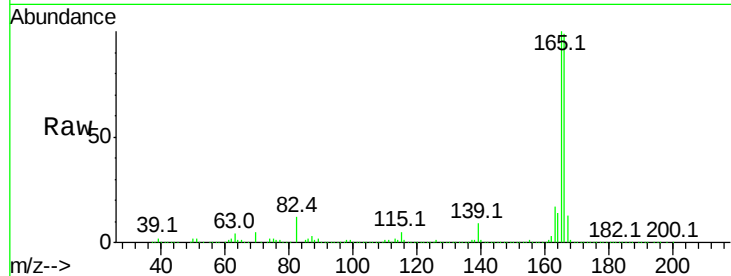


#57
Fluorene
 Concen: 145.635 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. 0.02 min
 Lab File: BF103896.D
 Acq: 23 Mar 2018 23:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 2426746

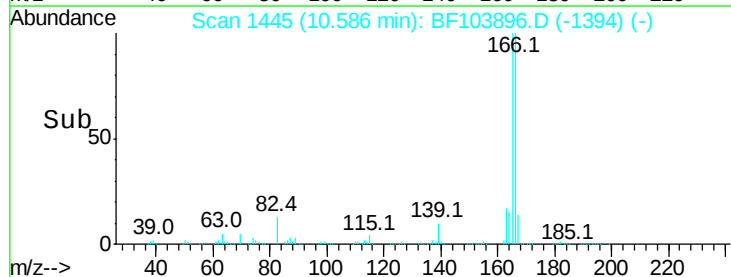
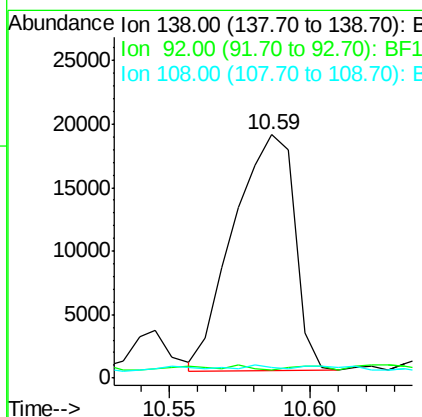
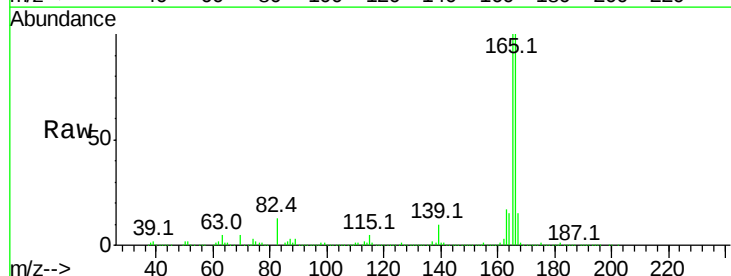
Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.8	119.8
167	13.5	10.6	16.0

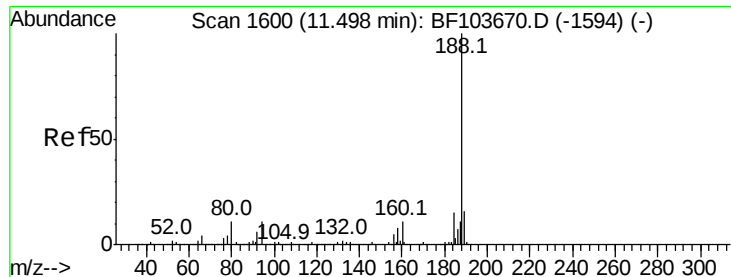


#61
4-Nitroaniline
 Concen: 9.866 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: BF103896.D
 Acq: 23 Mar 2018 23:11

Tgt Ion:138 Resp: 27850

Ion	Ratio	Lower	Upper
138	100		
92	3.5	30.2	70.2#
108	4.1	52.5	92.5#

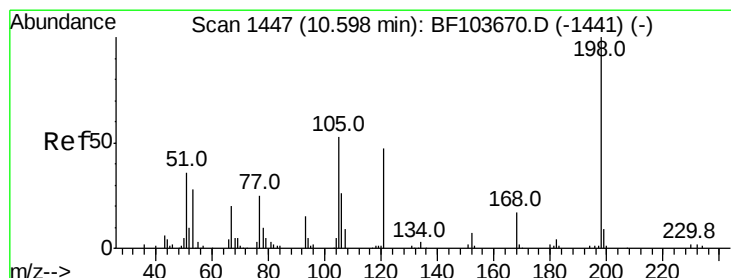
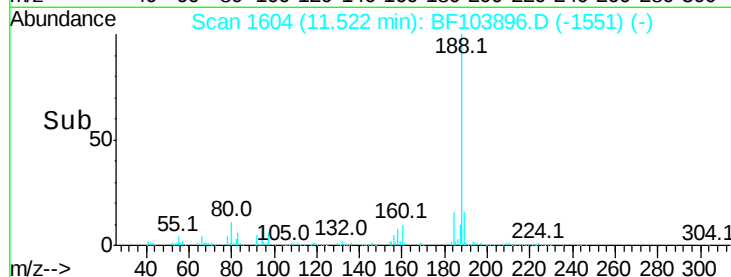
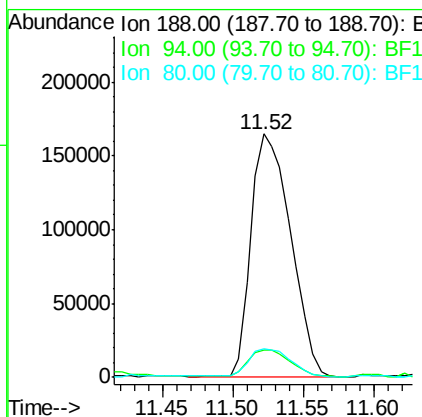
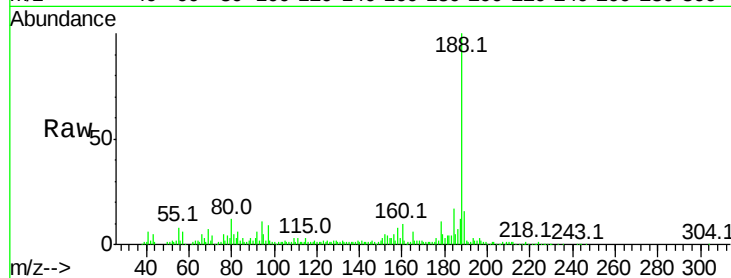




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

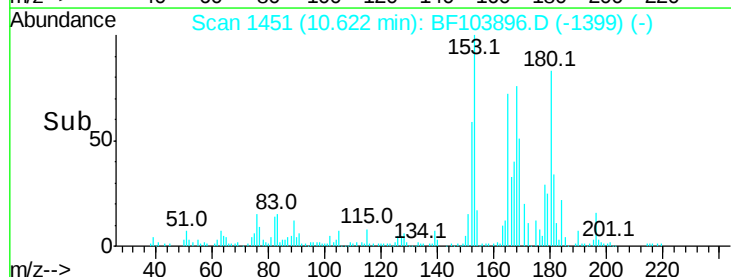
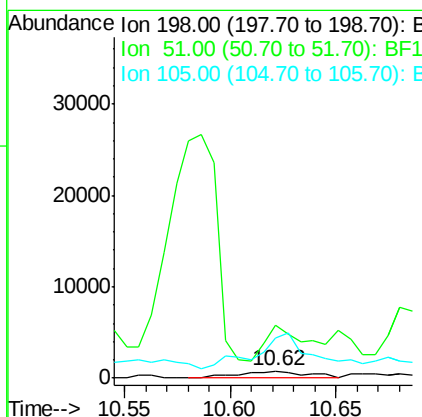
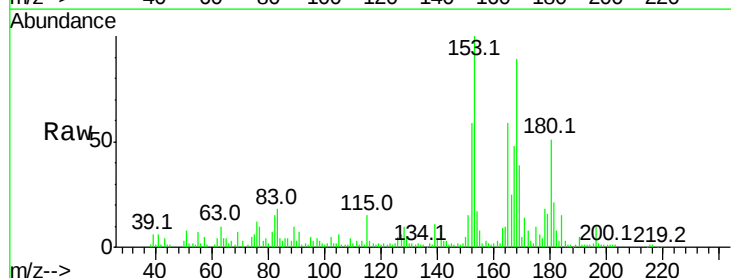
Instrument :
BNA_F
ClientSampleId :

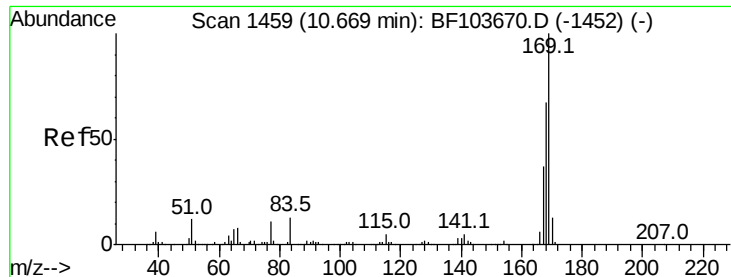
Tot Ion:188 Resp: 326870
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.680 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Tgt Ion:198 Resp: 1717
Ion Ratio Lower Upper
198 100
51 710.0 37.7 77.7#
105 542.6 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 7.832 ng

RT: 10.93 min Scan# 1504

Delta R.T. 0.26 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

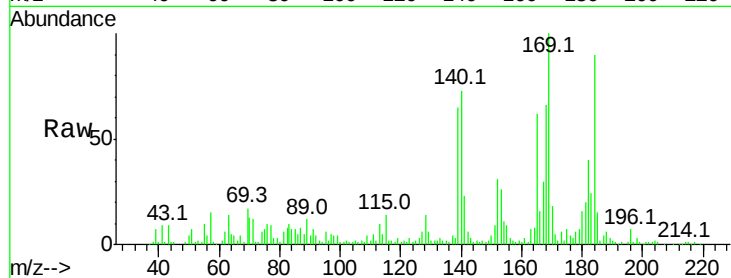
Tot Ion:169 Resp: 87142

Ion Ratio Lower Upper

169 100

168 66.5 54.4 81.6

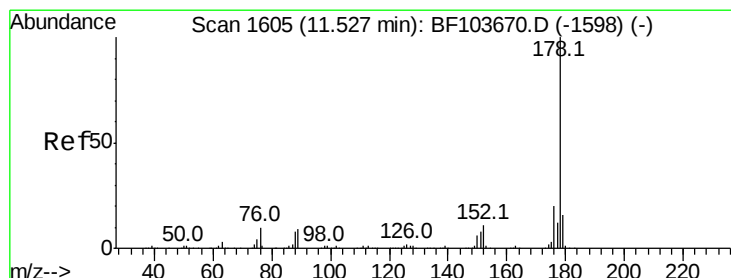
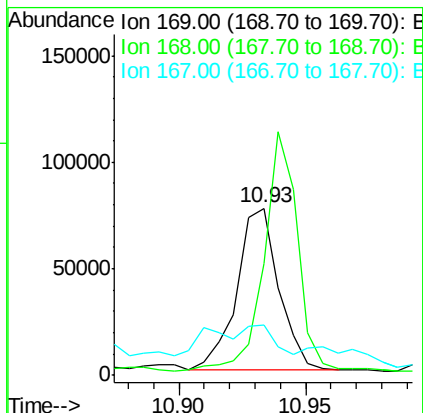
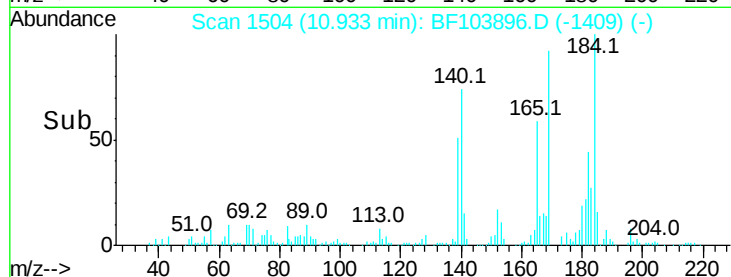
167 30.1 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 347.013 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.02 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

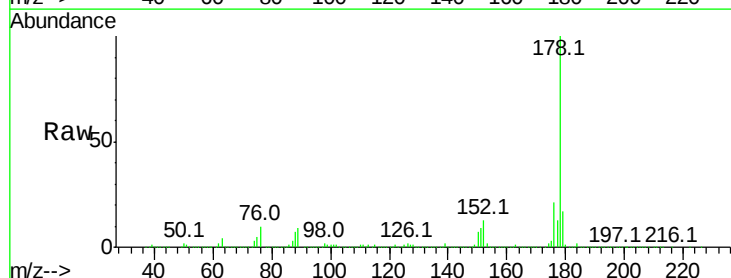
Tgt Ion:178 Resp: 6204782

Ion Ratio Lower Upper

178 100

176 20.8 15.8 23.8

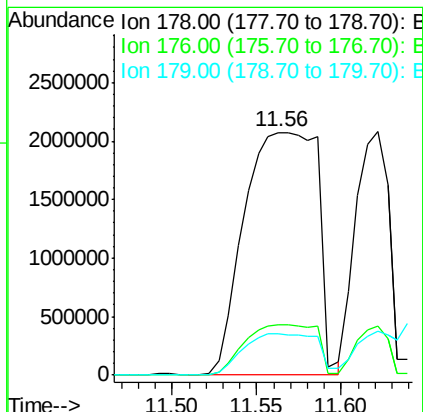
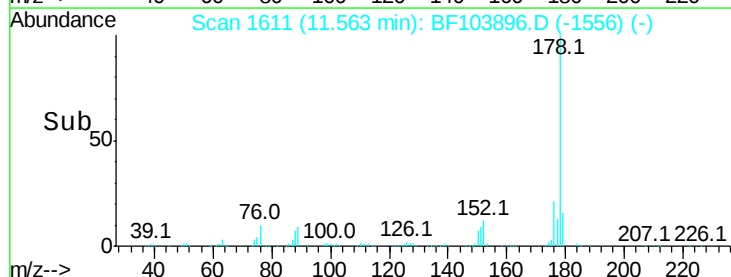
179 16.8 13.0 19.6

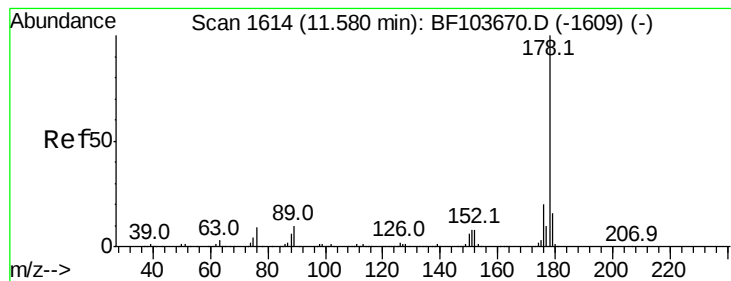


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 157.269 ng

RT: 11.62 min Scan# 1621

Delta R.T. 0.03 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

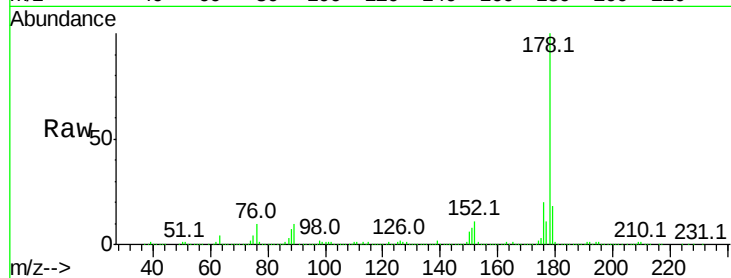
Tot Ion:178 Resp: 2856096

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	18.0	12.6	19.0

178 100

176 19.9 15.4 23.2

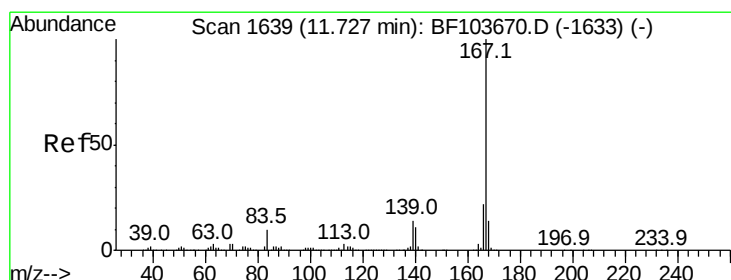
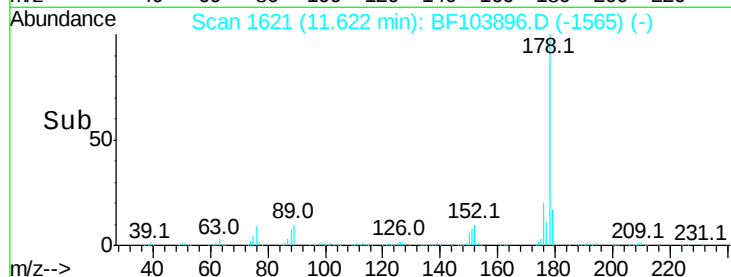
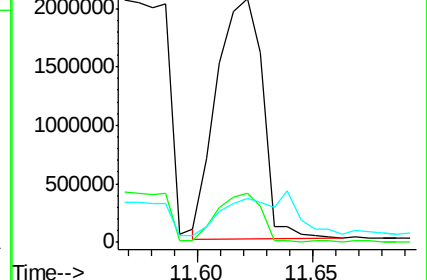
179 18.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 69.469 ng

RT: 11.76 min Scan# 1644

Delta R.T. 0.01 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

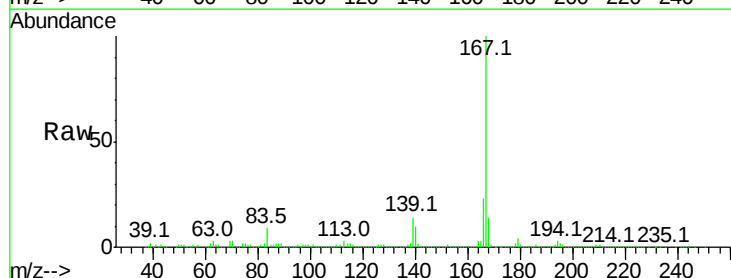
Tgt Ion:167 Resp: 1226220

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	13.8	10.9	16.3

167 100

166 22.7 17.6 26.4

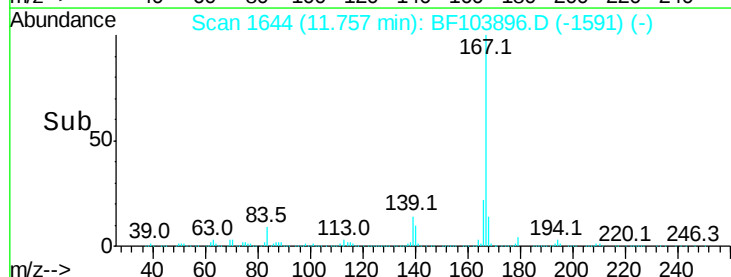
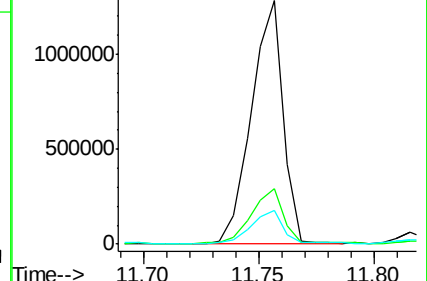
139 13.8 10.9 16.3

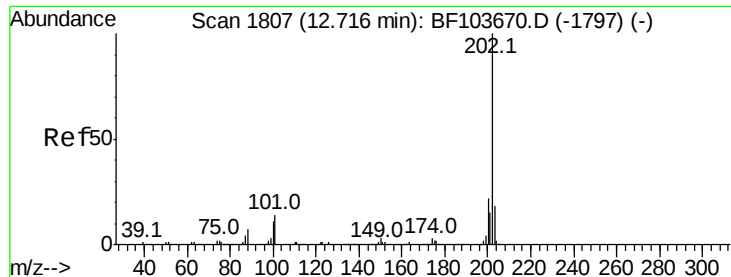


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 283.558 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.04 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

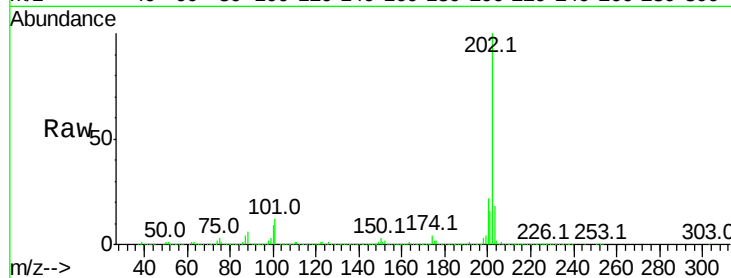
Tot Ion:202 Resp: 5223435

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

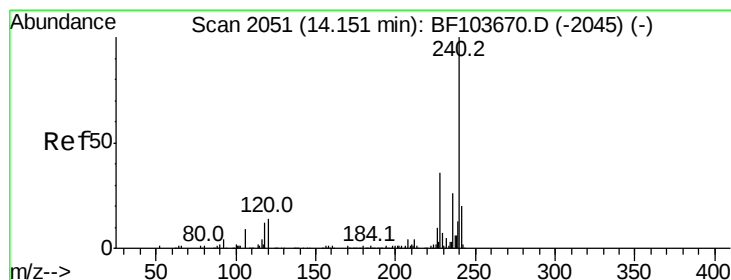
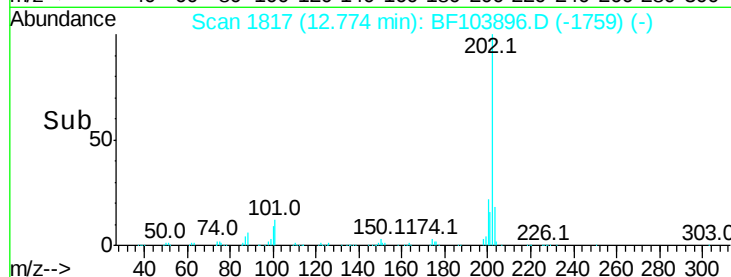
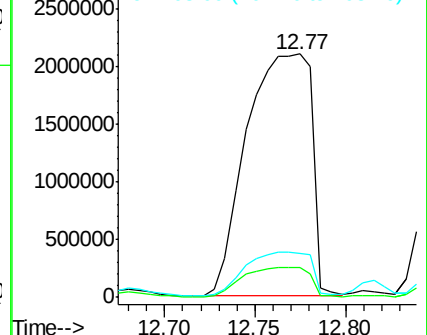
203 18.2 0.0 38.1



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: 14.20 min Scan# 2059

Delta R.T. 0.03 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

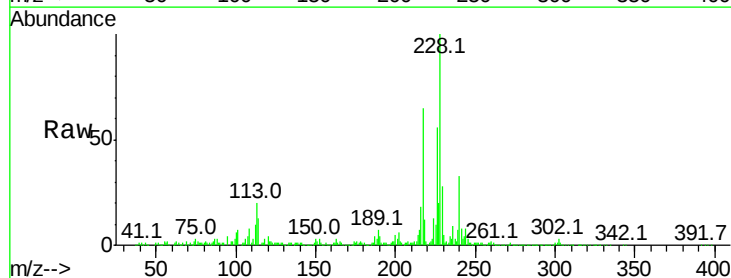
Tgt Ion:240 Resp: 164999

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

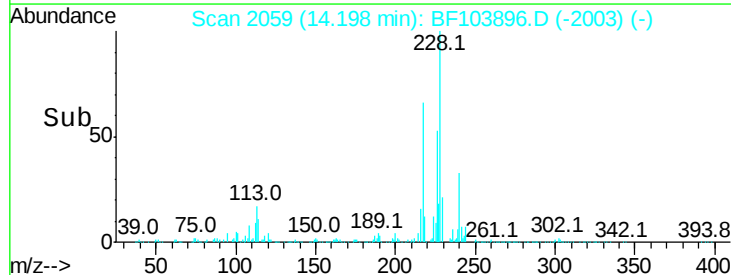
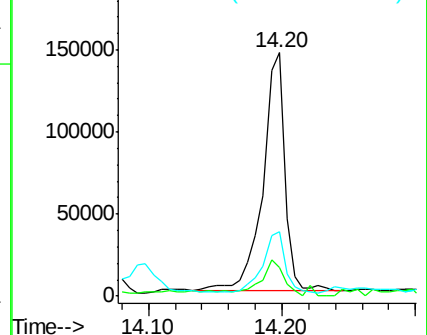
236 26.5 20.7 31.1

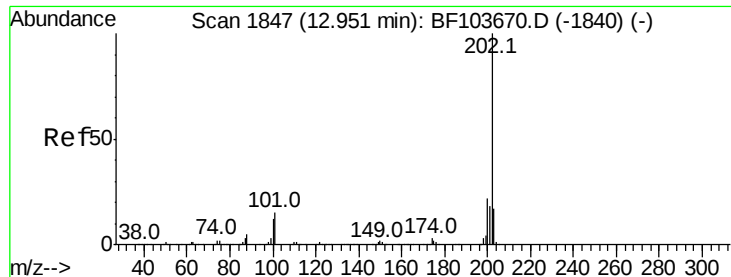


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 388.020 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.05 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

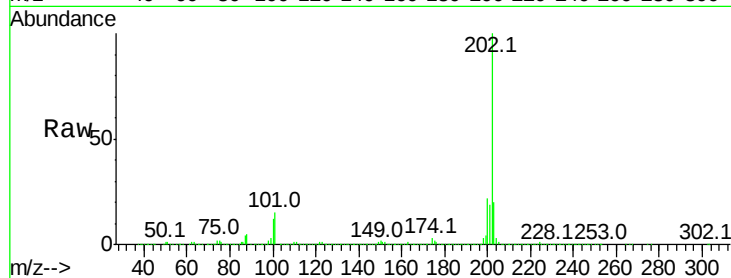
Instrument :

BNA_F

ClientSampled :

Tot Ion:202 Resp: 4701796

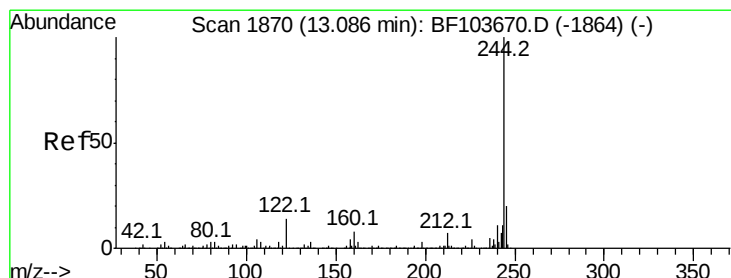
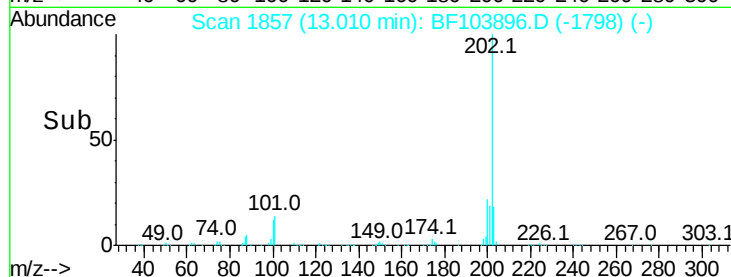
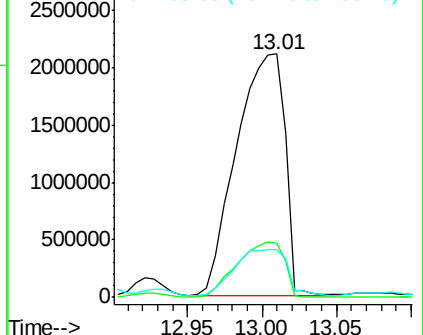
Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	19.7	14.3	21.5



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: 6.832 ng

RT: 13.10 min Scan# 1873

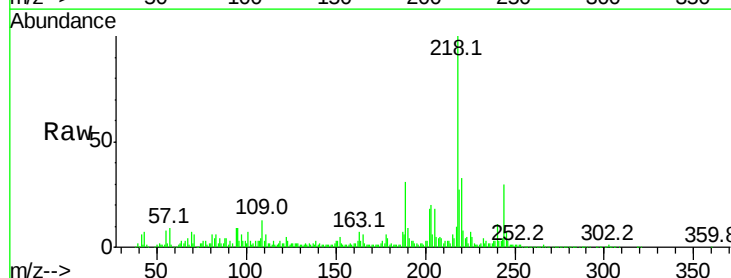
Delta R.T. 0.01 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Tgt Ion:244 Resp: 48568

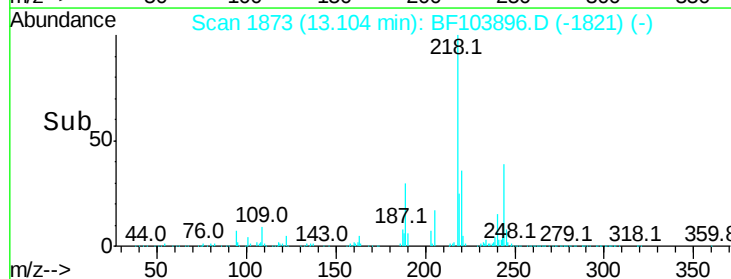
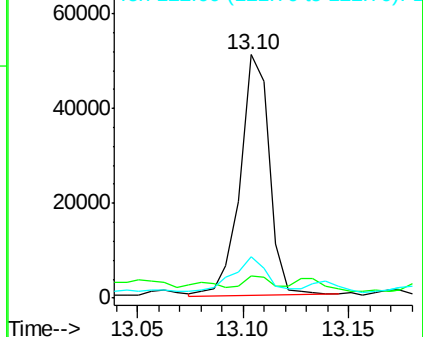
Ion	Ratio	Lower	Upper
244	100		
212	9.1	5.4	8.0#
122	16.9	11.0	16.4#

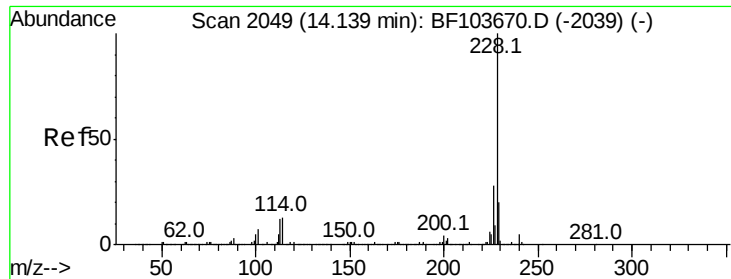


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

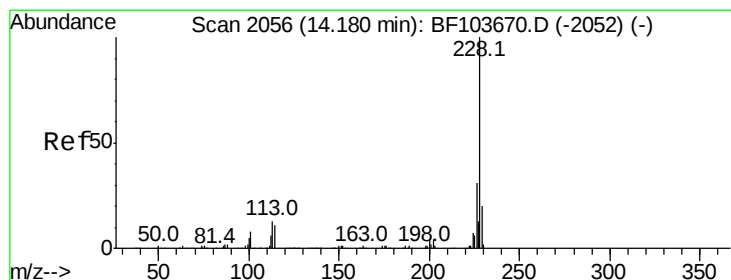
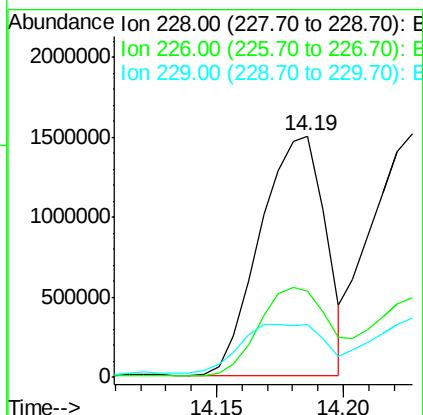
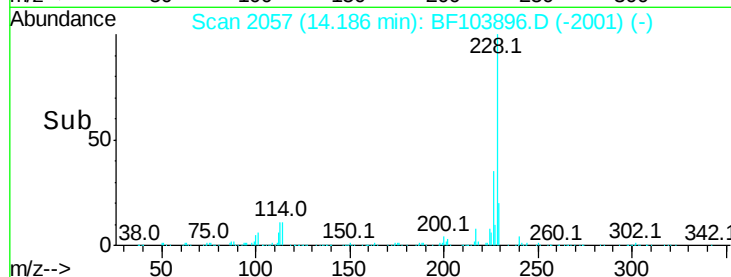
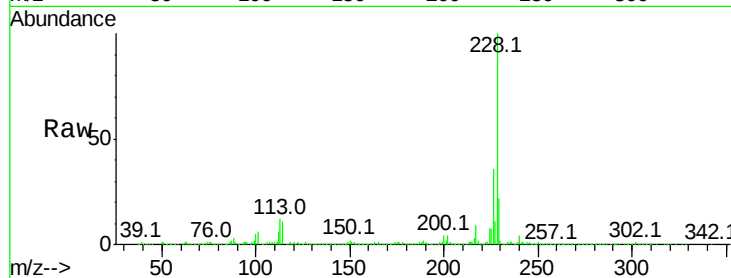




#80
Benzo(a)anthracene
Concen: 257.724 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.03 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

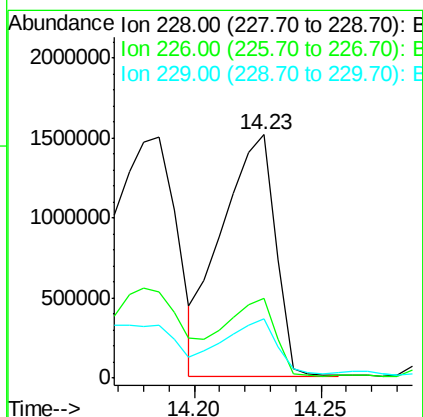
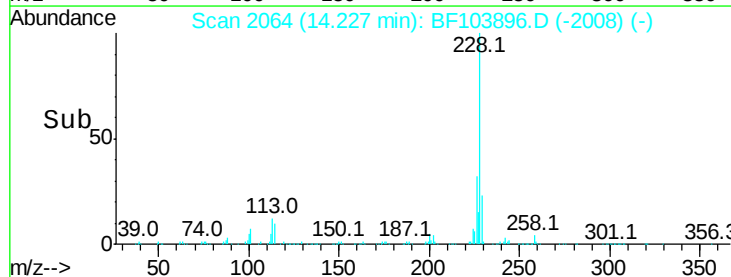
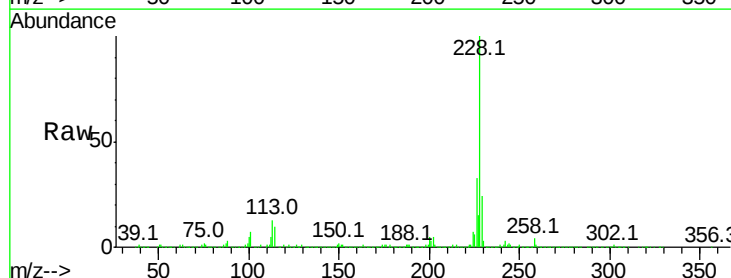
Instrument :
BNA_F
ClientSampleId :

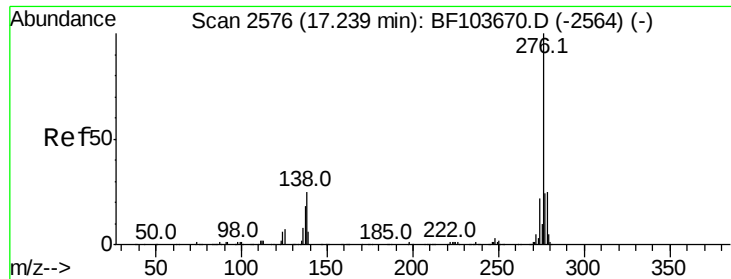
Tot Ion:228 Resp: 2691769
Ion Ratio Lower Upper
228 100
226 35.6 22.6 33.8#
229 21.8 15.8 23.6



#82
Chrysene
Concen: 224.292 ng
RT: 14.23 min Scan# 2064
Delta R.T. 0.03 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Tgt Ion:228 Resp: 2233088
Ion Ratio Lower Upper
228 100
226 32.6 25.0 37.6
229 24.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 147.527 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.06 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

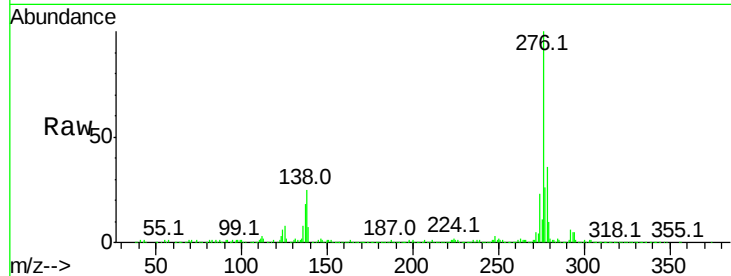
Tot Ion:276 Resp: 1282699

Ion Ratio Lower Upper

276 100

138 24.4 25.0 37.6#

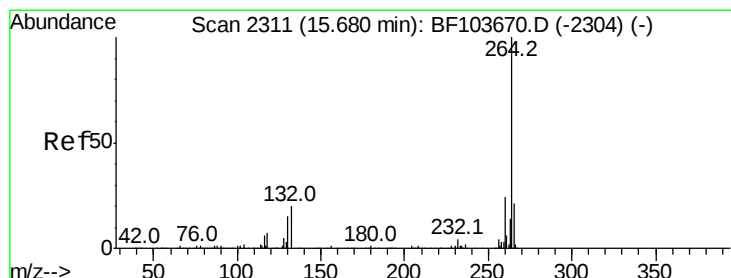
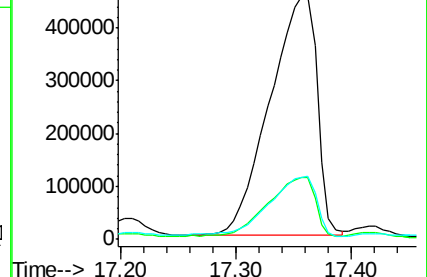
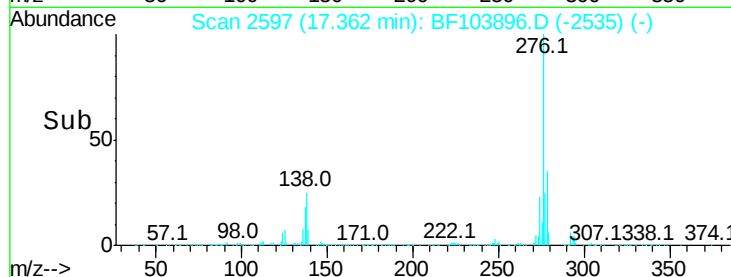
277 25.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.74 min Scan# 2322

Delta R.T. 0.04 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

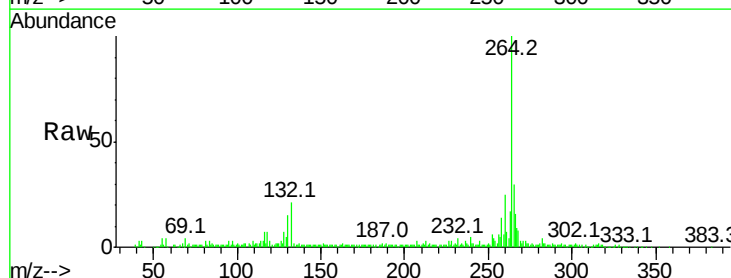
Tgt Ion:264 Resp: 199241

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

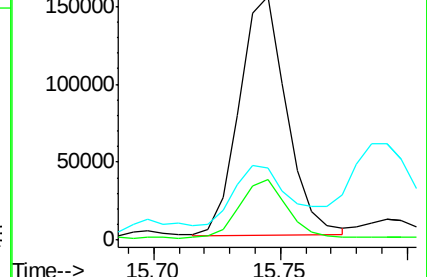
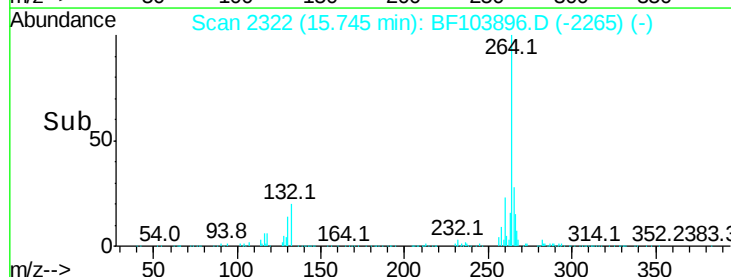
265 29.5 17.5 26.3#

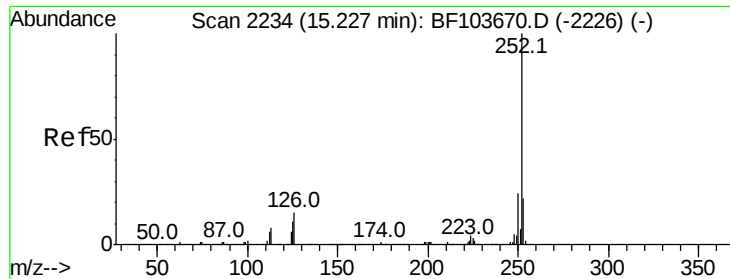


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

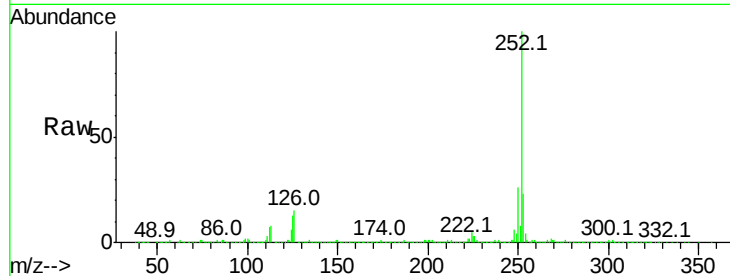




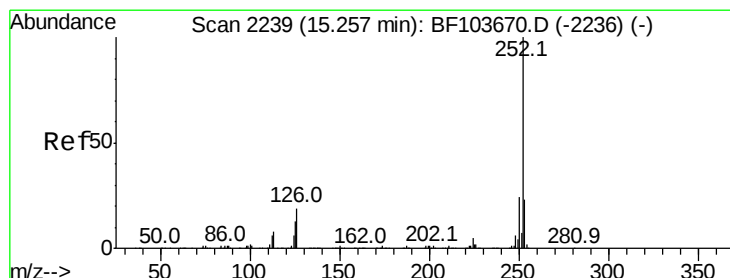
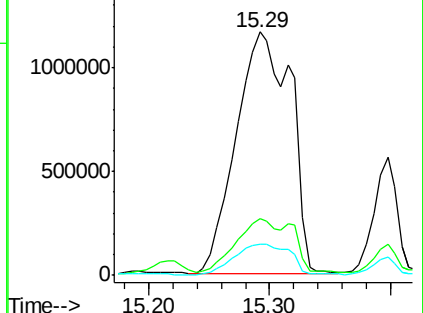
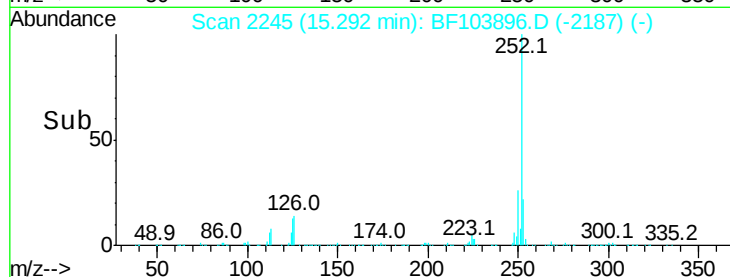
#87
Benzo(b)fluoranthene
Concen: 291.293 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.04 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 3666672
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 13.0 9.0 13.6

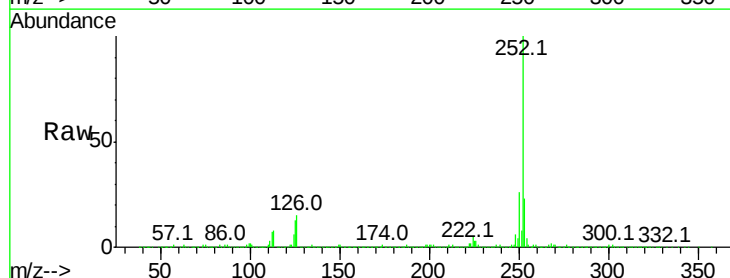


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

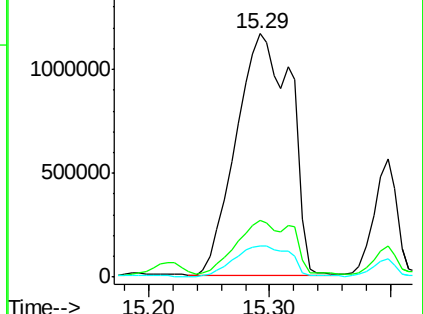
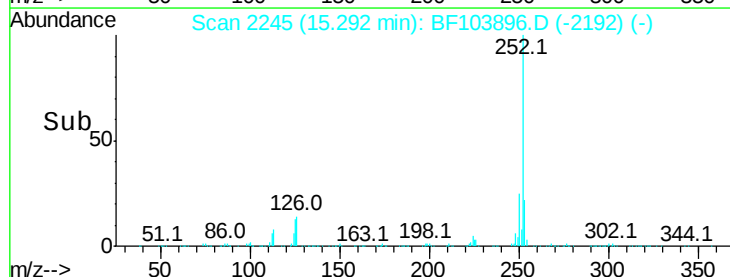


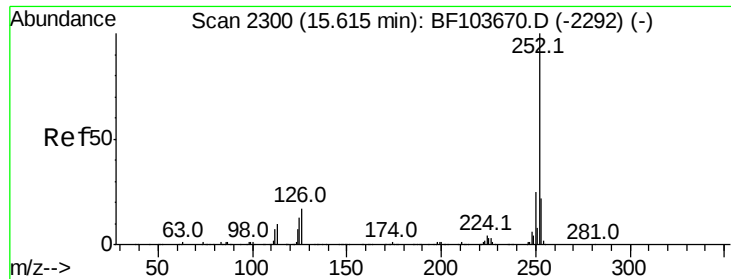
#88
Benzo(k)fluoranthene
Concen: 302.939 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF103896.D
Acq: 23 Mar 2018 23:11

Tgt Ion:252 Resp: 3665575
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 13.0 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: 195.786 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.05 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

Instrument :

BNA_F

ClientSampleId :

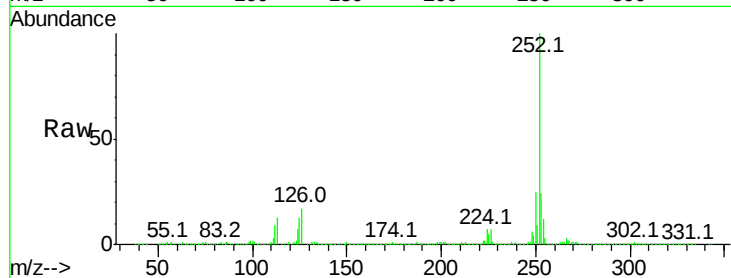
Tot Ion:252 Resp: 2235301

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

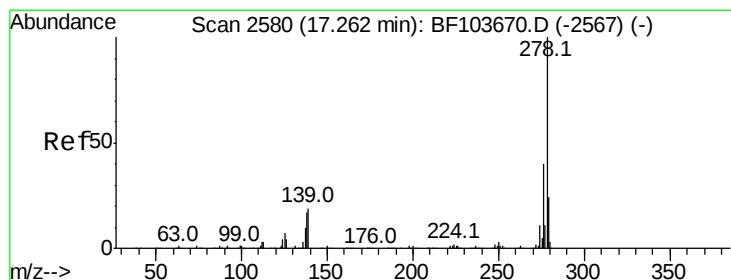
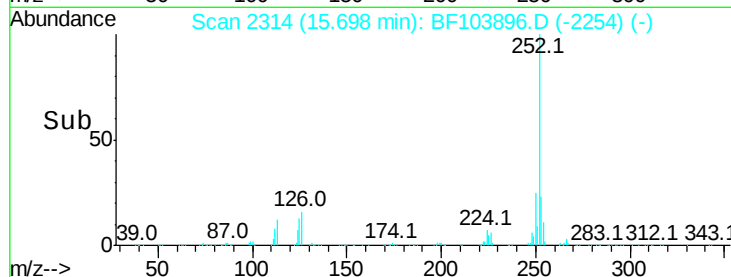
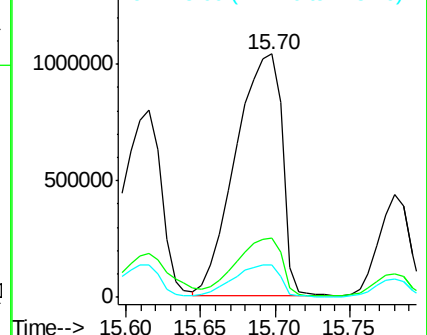
125 13.4 9.8 14.6



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: 34.777 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.05 min

Lab File: BF103896.D

Acq: 23 Mar 2018 23:11

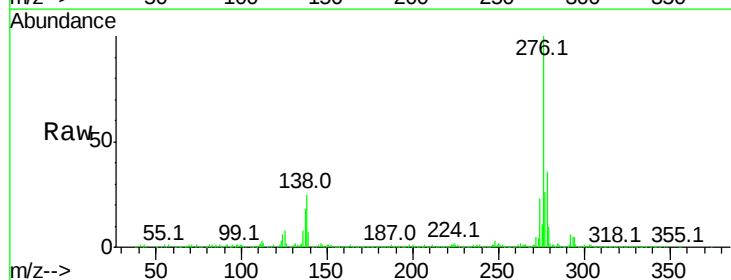
Tgt Ion:278 Resp: 343809

Ion Ratio Lower Upper

278 100

139 19.6 15.9 23.9

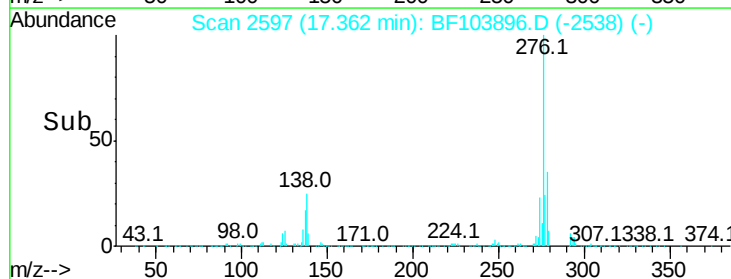
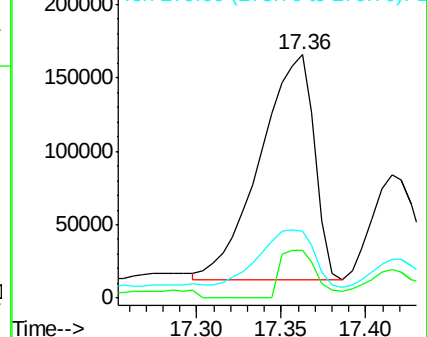
279 27.6 19.0 28.4

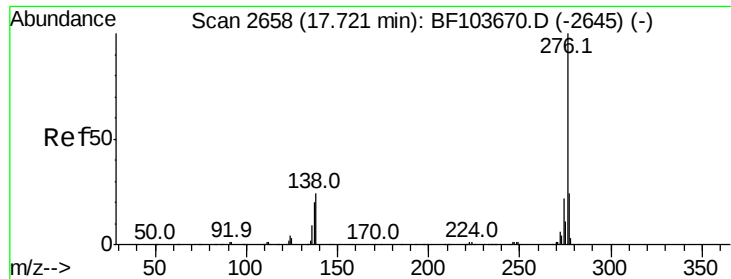


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 119.425 ng
 RT: 17.85 min Scan# 2680
 Delta R.T. 0.07 min
 Lab File: BF103896.D
 Acq: 23 Mar 2018 23:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 1148579
 Ion Ratio Lower Upper
 276 100
 277 24.2 17.9 26.9
 138 25.7 21.8 32.8

