

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103716.D
 Acq On : 17 Mar 2018 00:13
 Operator : JU/SJ
 Sample : J1940-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 17 03:22:41 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	156011	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	598977	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	211750	20.00	ng	0.01
63) Phenanthrene-d10	11.52	188	319848	20.00	ng	0.02
75) Chrysene-d12	14.16	240	308992	20.00	ng	0.01
86) Perylene-d12	15.69	264	245152	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	554470	54.06	ng	0.00
7) Phenol-d6	6.58	99	673273	53.65	ng	0.00
23) Nitrobenzene-d5	7.53	82	376162	43.79	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	98384	54.04	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	523972	39.47	ng	0.00
78) Terphenyl-d14	13.10	244	392401	29.48	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.50	117	18230	4.214	ng	# 1
22) Acetophenone	7.36	105	47485	3.085	ng	# 56
26) 2-Nitrophenol	7.86	139	3170	10.110	ng	# 1
31) Naphthalene	8.27	128	62350	2.061	ng	# 72
32) Benzoic acid	8.04	122	2661	10.257	ng	# 1
35) Caprolactam	8.70	113	7547	2.828	ng	# 1
37) 2-Methylnaphthalene	8.97	142	120585	6.284	ng	# 92
45) 1,1'-Biphenyl	9.43	154	43904	2.487	ng	# 95
47) 2-Nitroaniline	9.59	65	12556	9.751	ng	# 42
48) Acenaphthylene	9.88	152	93145	4.283	ng	# 74
49) Dimethylphthalate	9.72	163	47295	2.928	ng	# 76
50) 2,6-Dinitrotoluene	9.82	165	5063	5.469	ng	# 76
52) 3-Nitroaniline	9.97	138	7490	5.655	ng	# 72
53) 2,4-Dinitrophenol	10.08	184	1014	8.762	ng	# 1
55) 4-Nitrophenol	10.12	139	13815	9.350	ng	# 1
56) 2,4-Dinitrotoluene	10.22	165	8569	8.098	ng	# 65
57) Fluorene	10.57	166	54222	3.789	ng	# 73
61) 4-Nitroaniline	10.57	138	1287	4.079	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.63	198	471	8.558	ng	# 1
68) Atrazine	11.39	200	16514	4.903	ng	# 73
70) Phenanthrene	11.54	178	161284	9.218	ng	# 97
71) Anthracene	11.59	178	63234	3.558	ng	# 88
74) Fluoranthene	12.73	202	153257	8.502	ng	# 97
77) Pyrene	12.96	202	260461	11.478	ng	# 99
80) Benzo(a)anthracene	14.19	228	136067	6.957	ng	# 93
82) Chrysene	14.19	228	136067	7.298	ng	# 97
83) Bis(2-ethylhexyl)phthalate	14.12	149	64201	4.470	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.25	276	54111	3.323	ng	# 97
87) Benzo(b)fluoranthene	15.24	252	165785	10.704	ng	# 90
88) Benzo(k)fluoranthene	15.24	252	165785	11.135	ng	# 93
89) Benzo(a)pyrene	15.63	252	107970	7.686	ng	# 92
91) Benzo(a,h,i)perylene	17.73	276	70439	5.952	ng	# 97

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

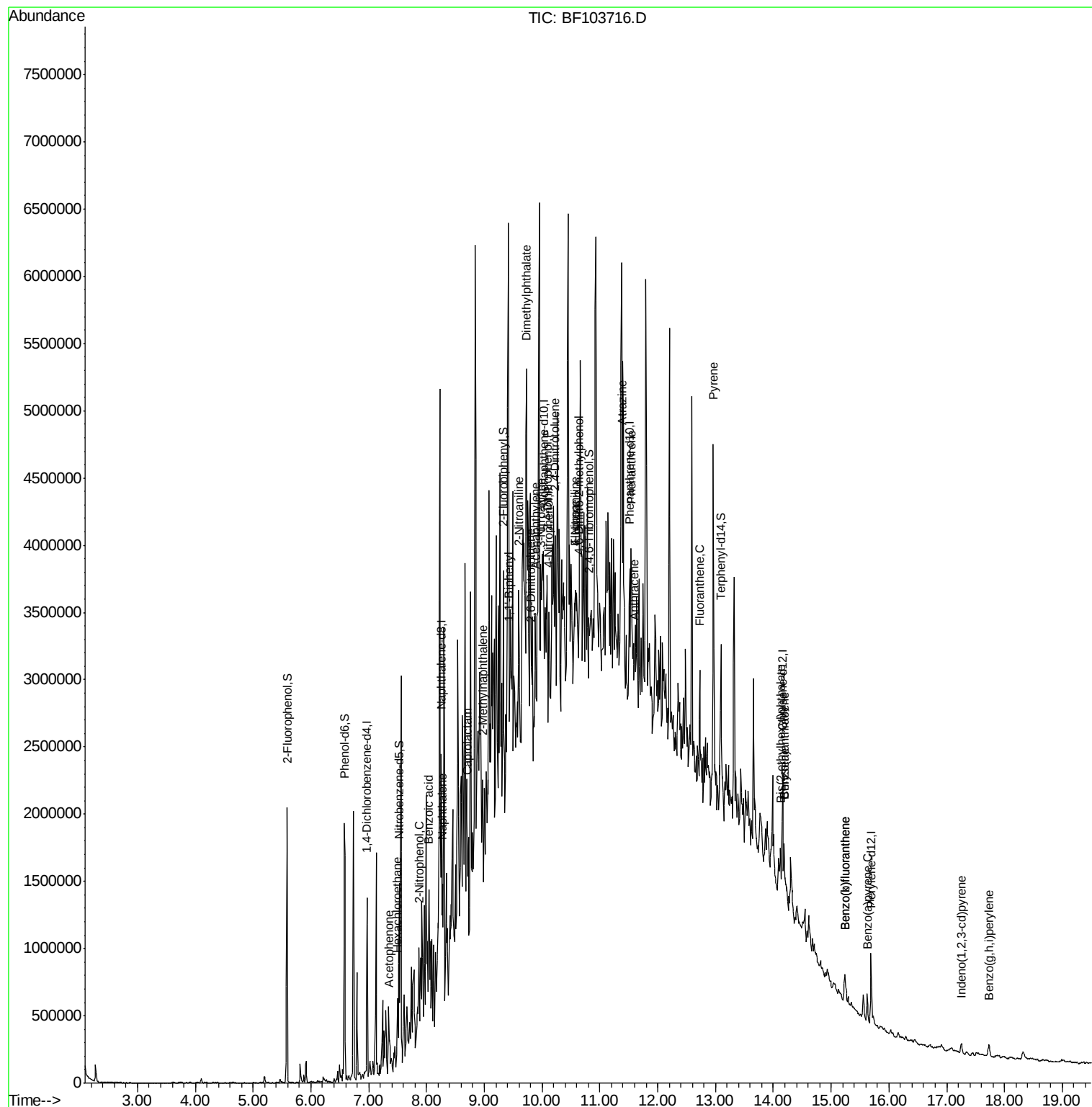
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

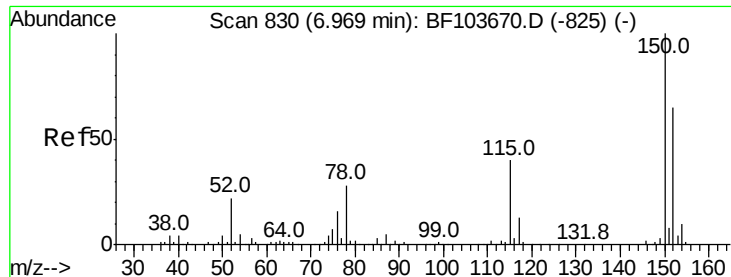
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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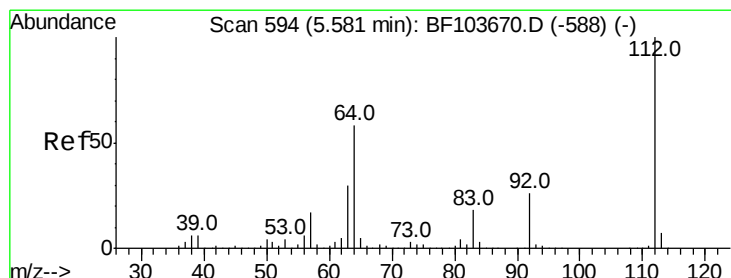
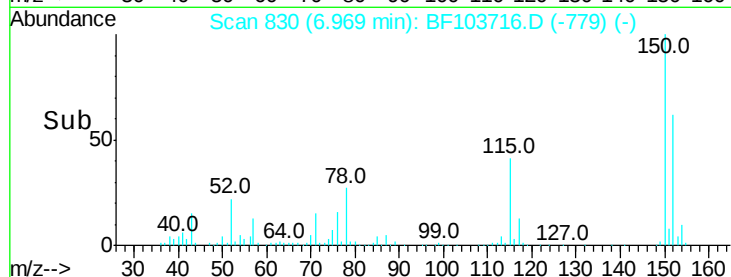
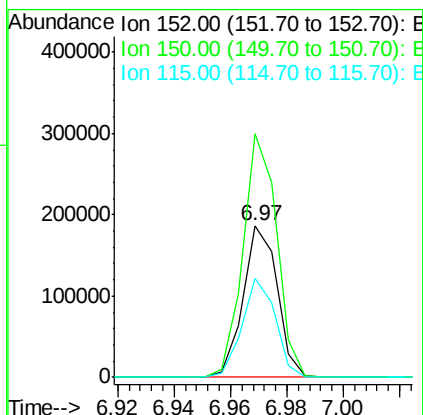
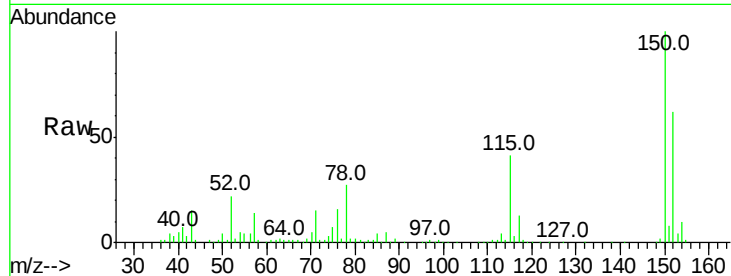


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Instrument :
BNA_F
ClientSampleId :

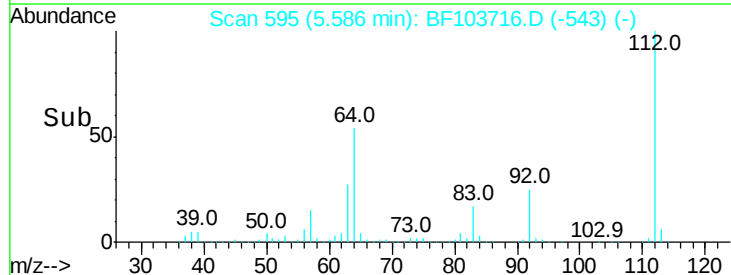
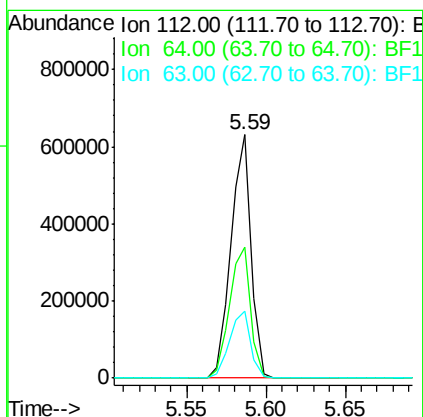
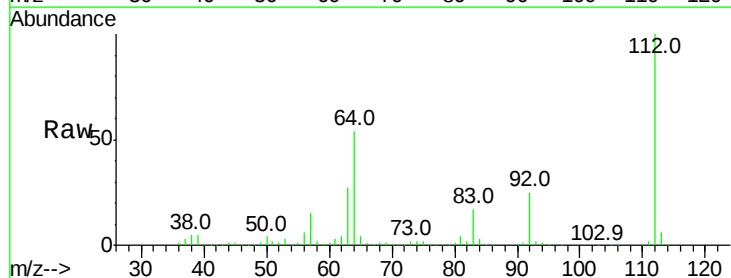
Tot Ion:152 Resp: 156011
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 65.1 50.1 75.1

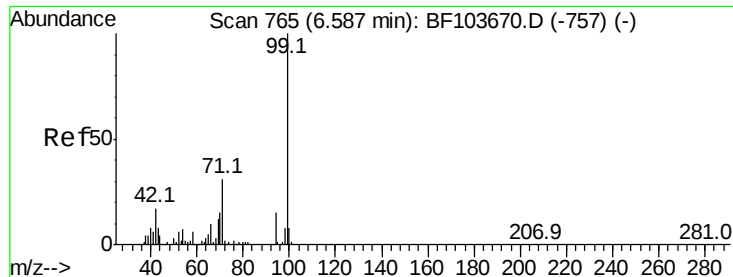


#5

2-Fluorophenol
Concen: 54.057 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Tgt Ion:112 Resp: 554470
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 27.4 23.7 35.5





#7

Phenol-d6

Concen: 53.652 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampled :

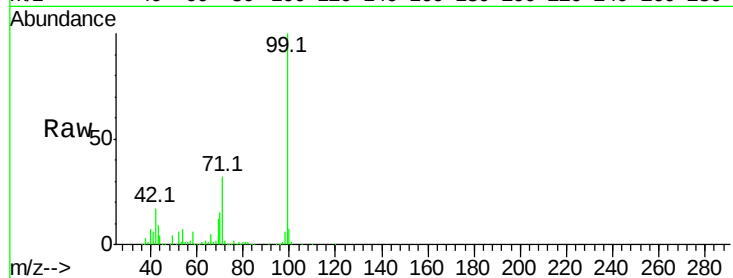
Tot Ion: 99 Resp: 673273

Ion Ratio Lower Upper

99 100

42 16.9 14.5 21.7

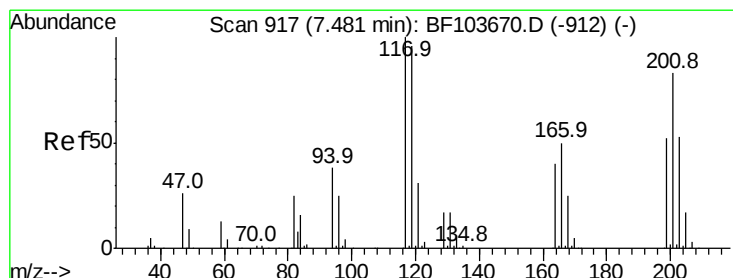
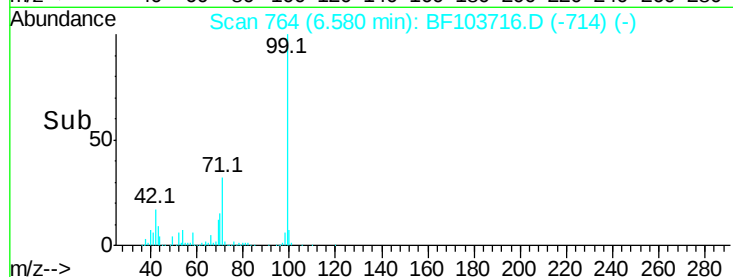
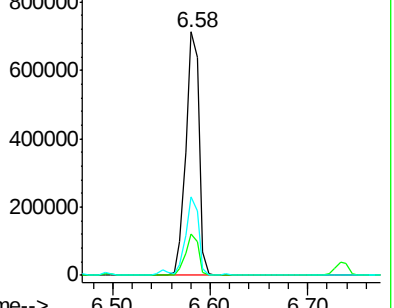
71 32.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#18

Hexachloroethane

Concen: 4.214 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.02 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

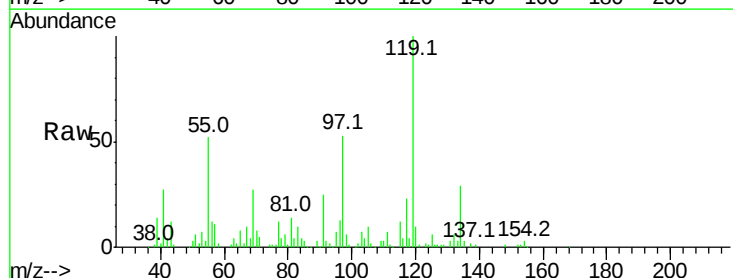
Tgt Ion: 117 Resp: 18230

Ion Ratio Lower Upper

117 100

119 432.5 75.8 113.8#

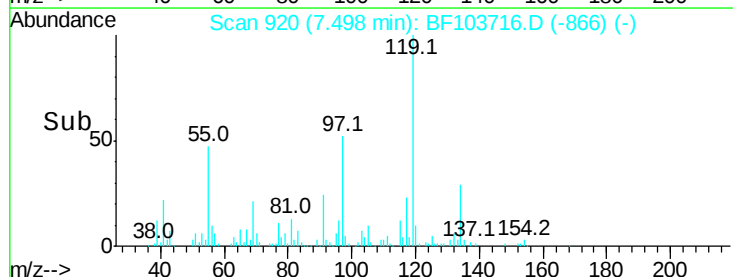
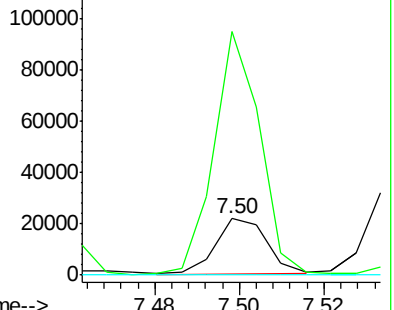
201 0.0 75.7 113.5#

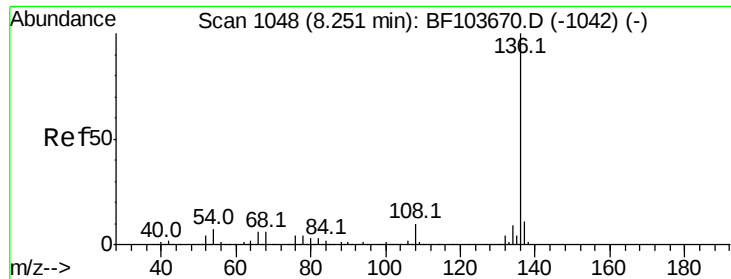


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

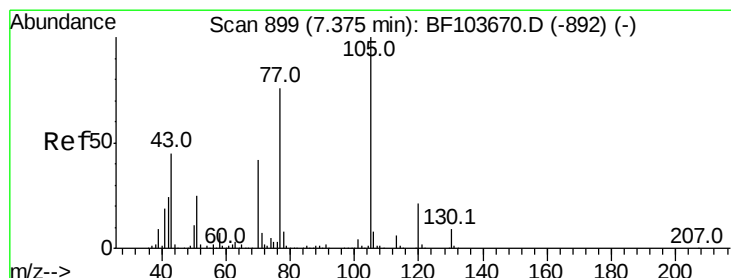
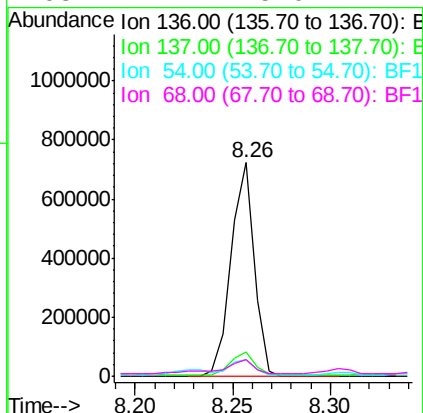
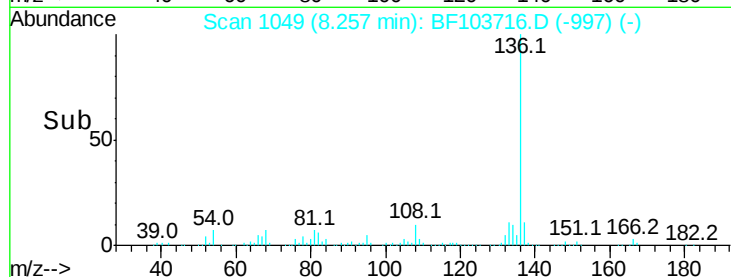
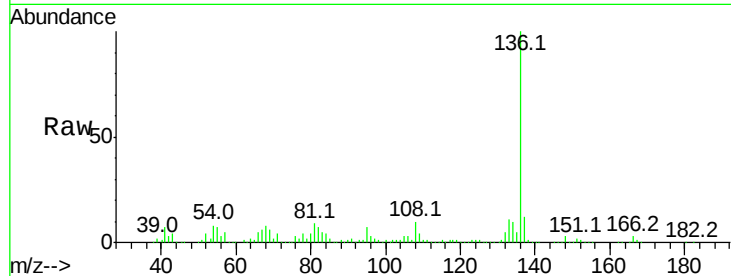




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

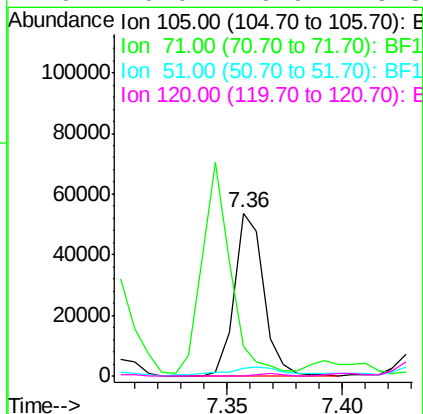
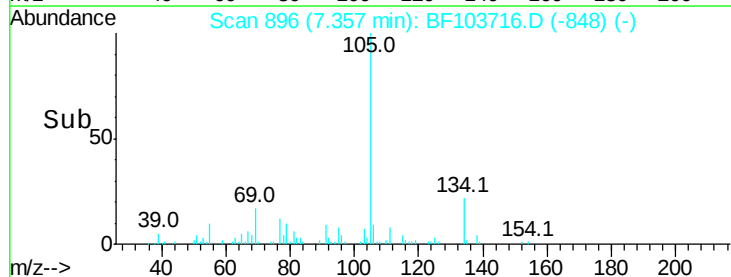
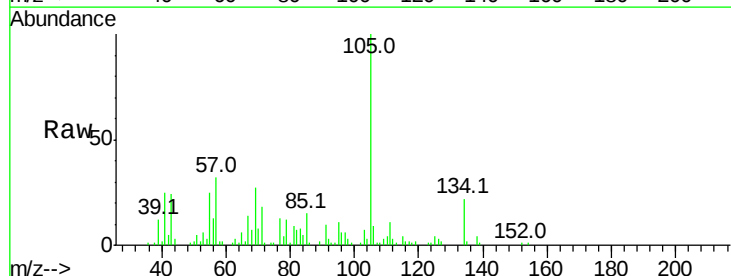
Instrument :
BNA_F
ClientSampled :

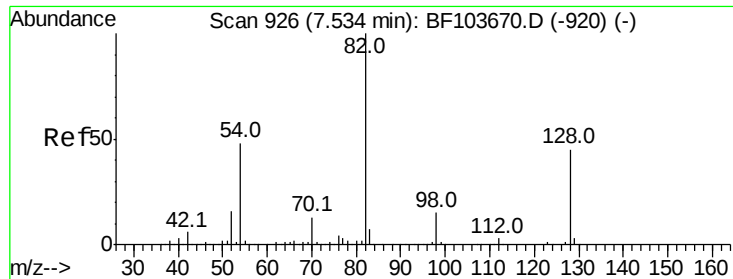
Tot Ion:	136	Resp:	598977
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	7.8	6.6	9.8
68	7.7	5.0	7.4#



#22
Acetophenone
Concen: 3.085 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Tgt Ion:	105	Resp:	47485
Ion	Ratio	Lower	Upper
105	100		
71	18.0	4.4	6.6#
51	4.8	22.3	33.5#
120	0.0	16.9	25.3#

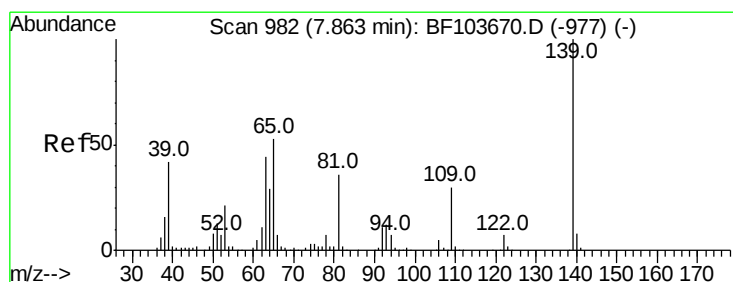
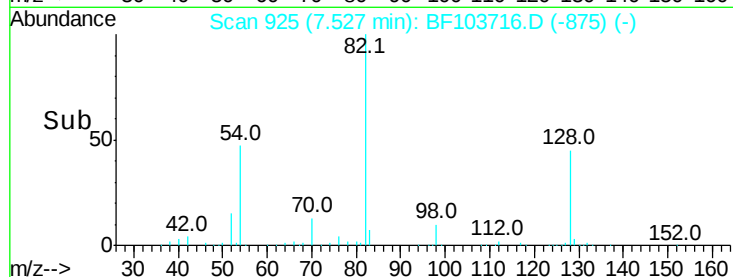
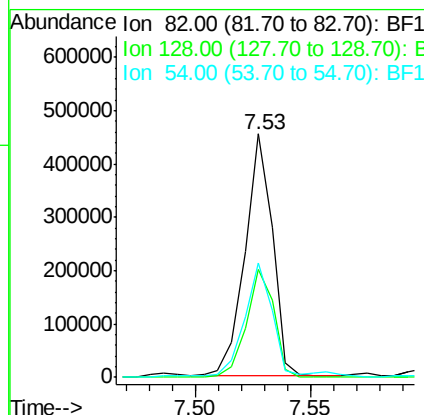
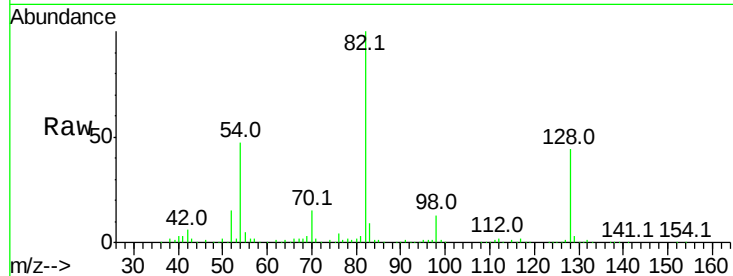




#23
Nitrobenzene-d5
Concen: 43.795 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

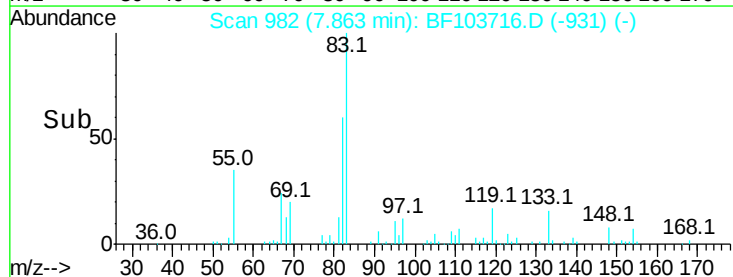
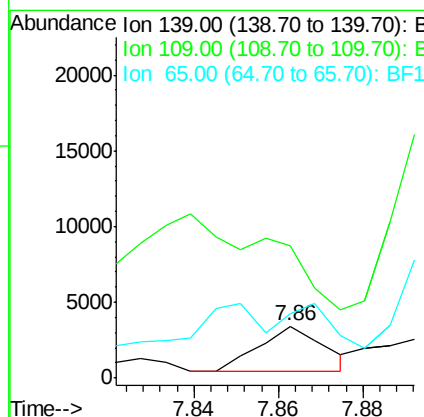
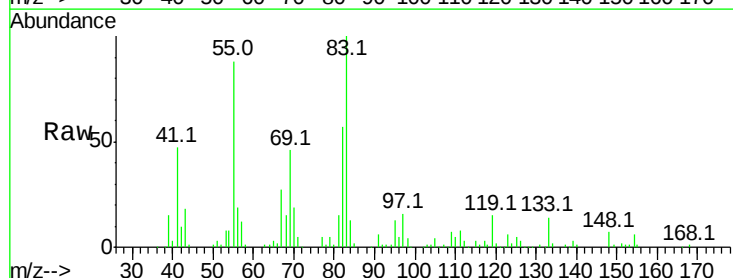
Instrument :
BNA_F
ClientSampleId :

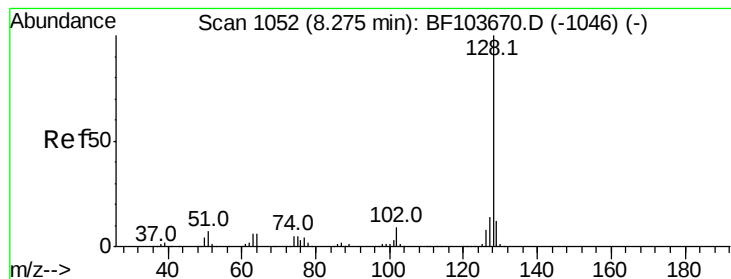
Tot Ion: 82 Resp: 376162
Ion Ratio Lower Upper
82 100
128 44.2 36.1 54.1
54 47.0 41.4 62.2



#26
2-Nitrophenol
Concen: 10.110 ng
RT: 7.86 min Scan# 982
Delta R.T. 0.00 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Tgt Ion:139 Resp: 3170
Ion Ratio Lower Upper
139 100
109 255.7 22.7 34.1#
65 123.0 40.5 60.7#





#31

Naphthalene

Concen: 2.061 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampled :

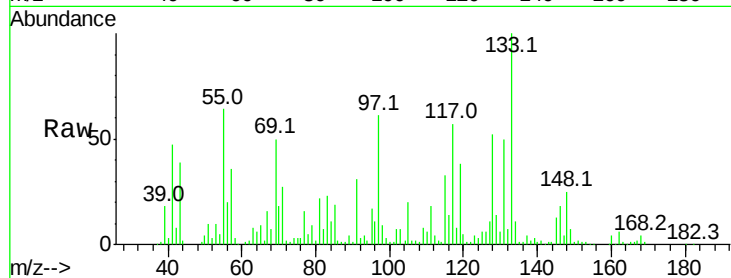
Tot Ion:128 Resp: 62350

Ion Ratio Lower Upper

128 100

129 26.9 8.8 13.2#

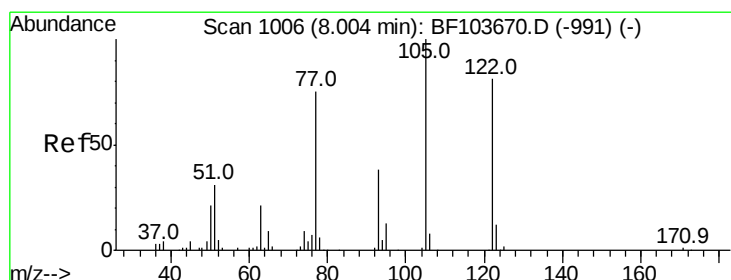
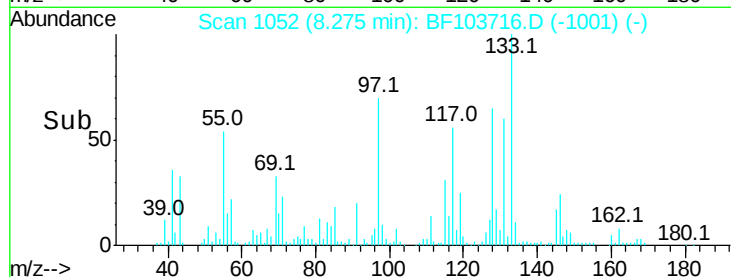
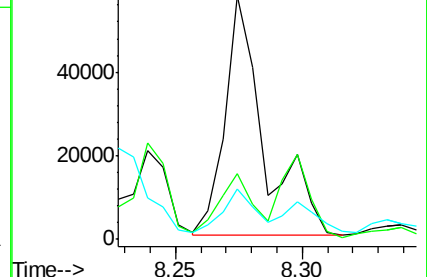
127 20.5 10.9 16.3#



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: 10.257 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.04 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

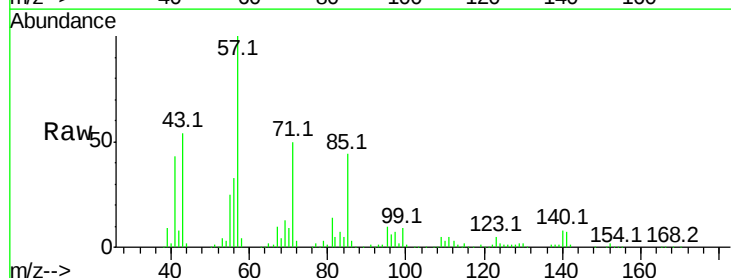
Tgt Ion:122 Resp: 2661

Ion Ratio Lower Upper

122 100

105 34.6 101.1 141.1#

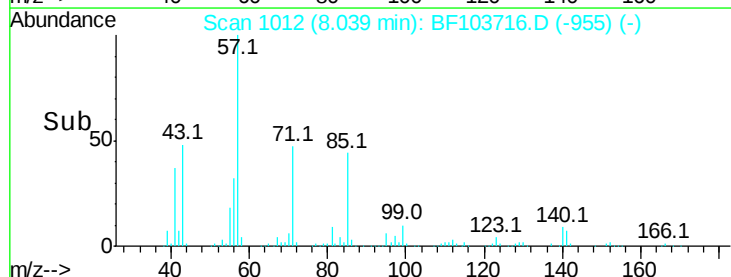
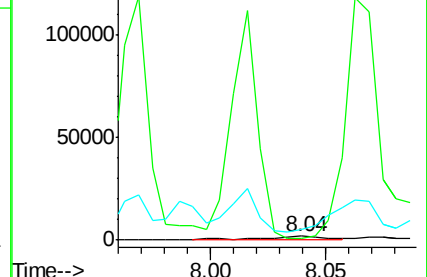
77 254.7 70.7 110.7#

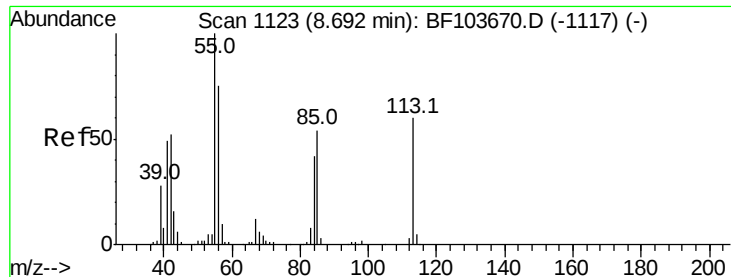


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#35

Caprolactam

Concen: 2.828 ng

RT: 8.70 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

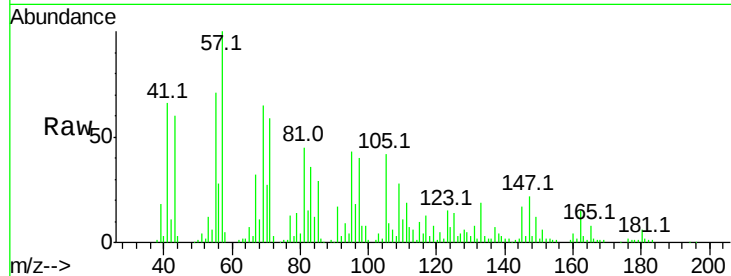
Tot Ion:113 Resp: 7547

Ion Ratio Lower Upper

113 100

55 1150.6 163.3 203.3#

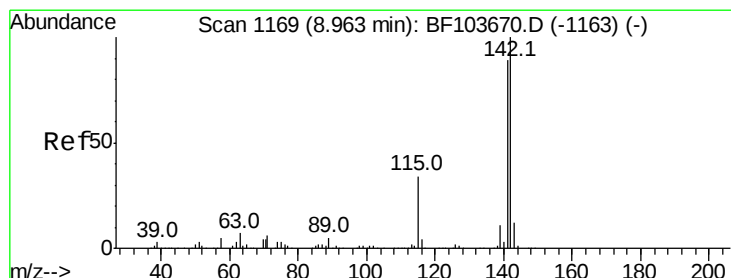
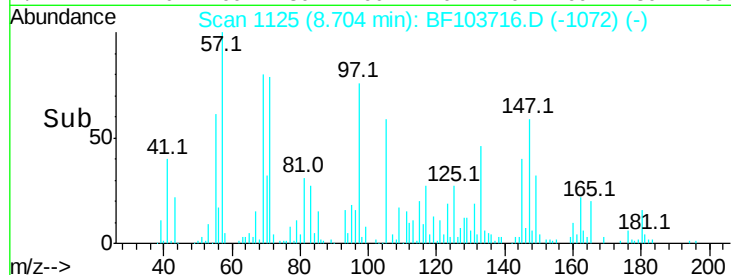
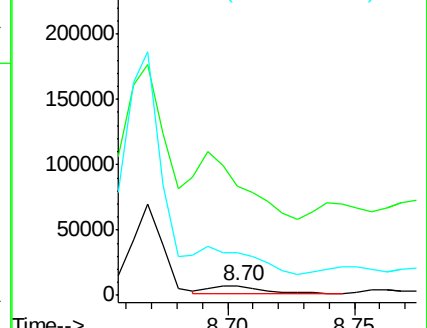
56 446.4 115.7 155.7#



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: 6.284 ng

RT: 8.97 min Scan# 1170

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

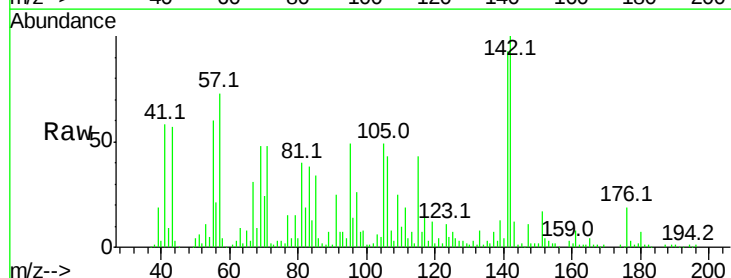
Tgt Ion:142 Resp: 120585

Ion Ratio Lower Upper

142 100

141 92.8 70.8 106.2

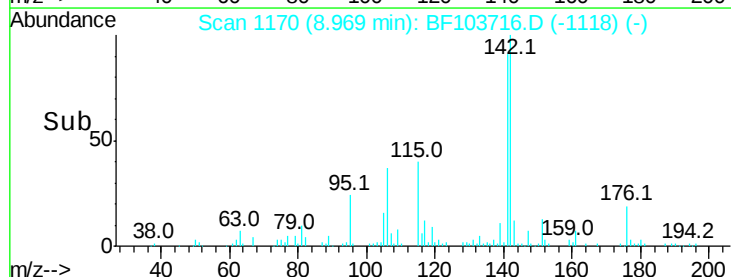
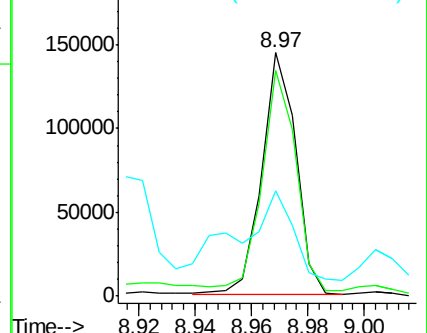
115 43.1 26.1 39.1#

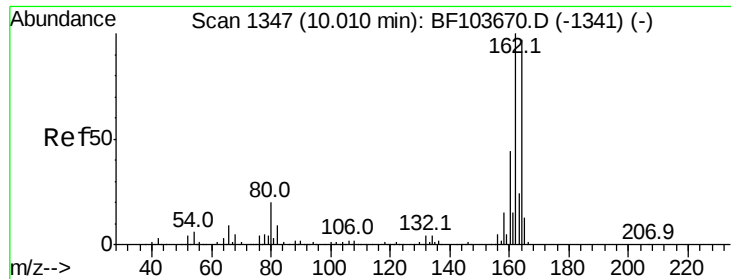


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

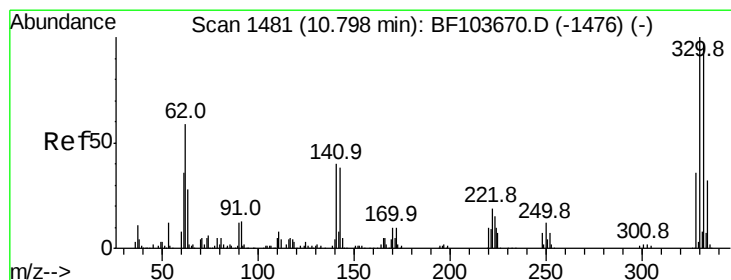
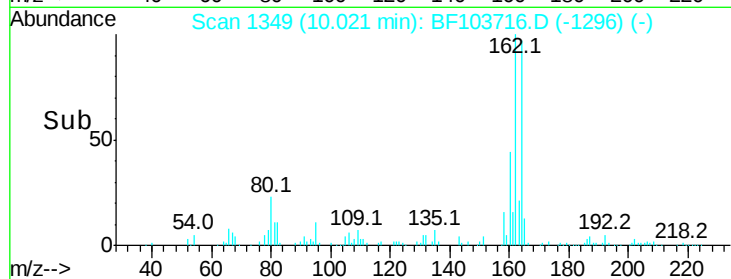
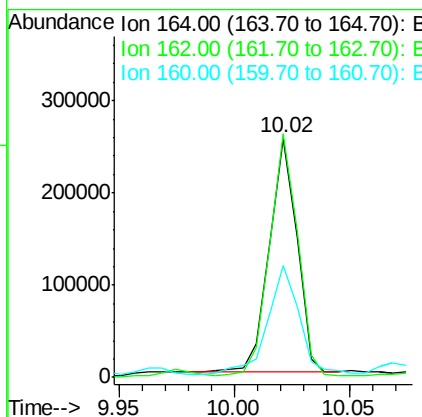
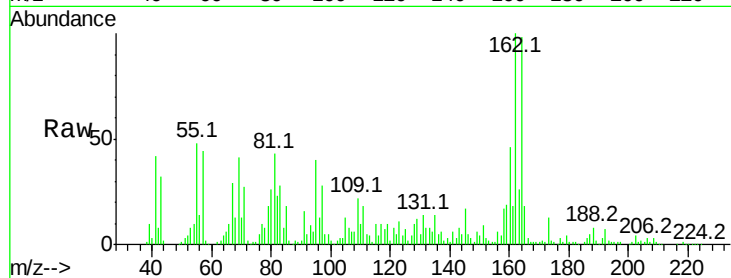




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

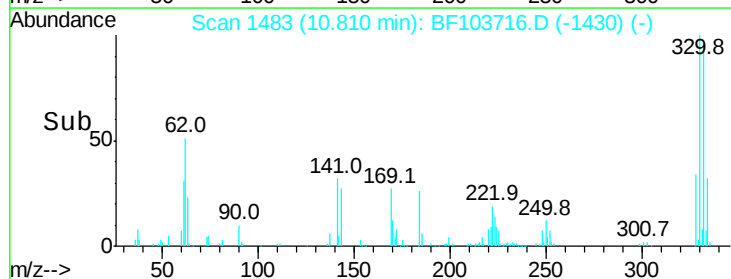
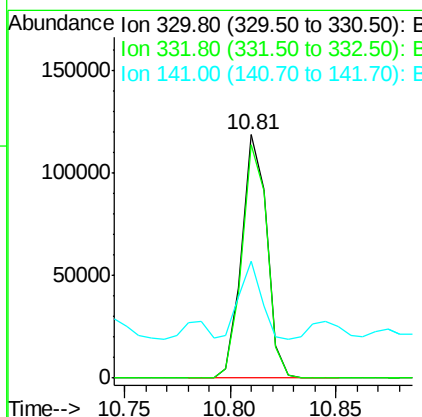
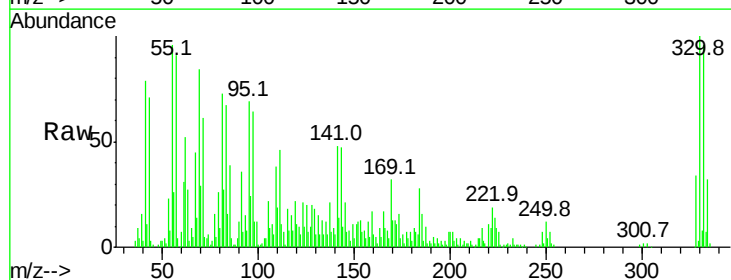
Instrument :
BNA_F
ClientSampleId :

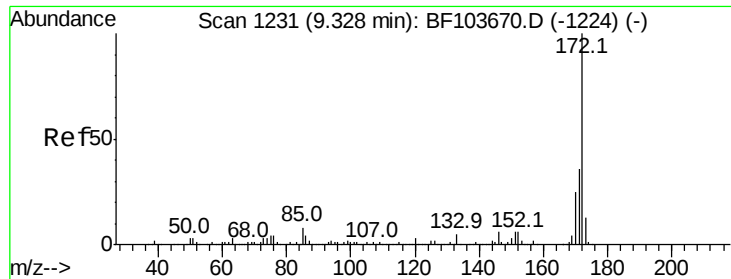
Tot Ion:164 Resp: 211750
Ion Ratio Lower Upper
164 100
162 101.9 86.1 129.1
160 47.0 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 54.038 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Tgt Ion:330 Resp: 98384
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 28.5 29.9 44.9#

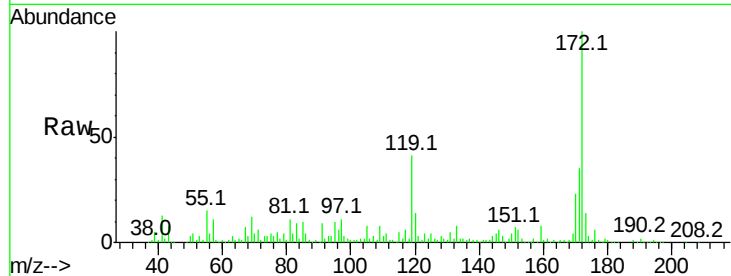




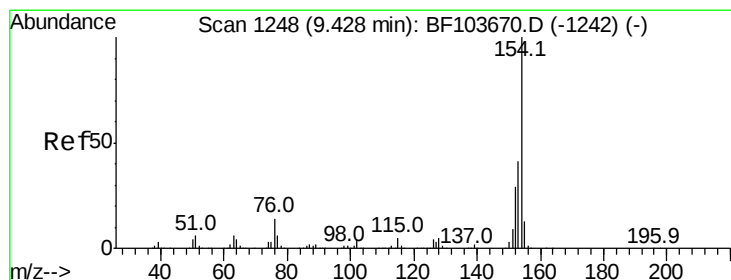
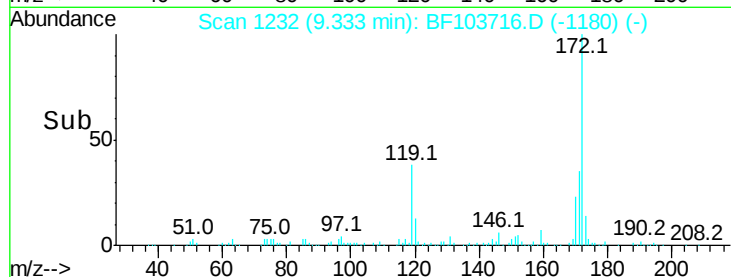
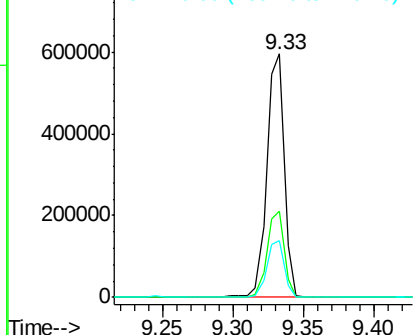
#44
2-Fluorobiphenyl
Concen: 39.472 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.3	19.6	29.4

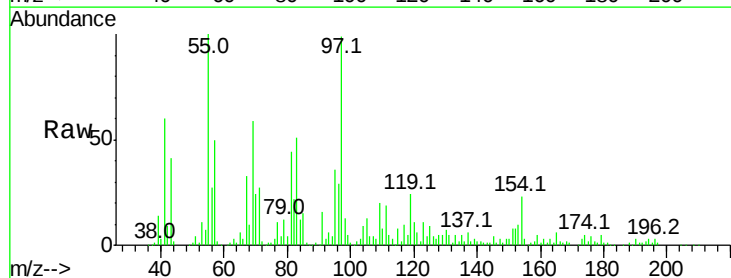


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

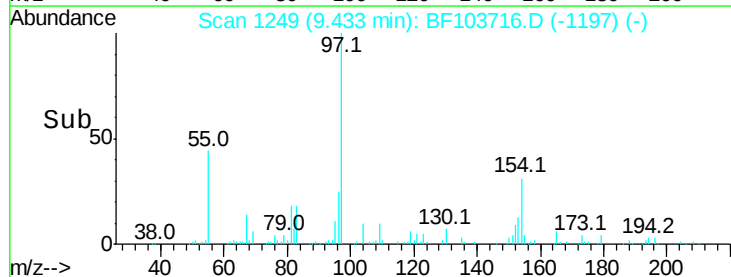
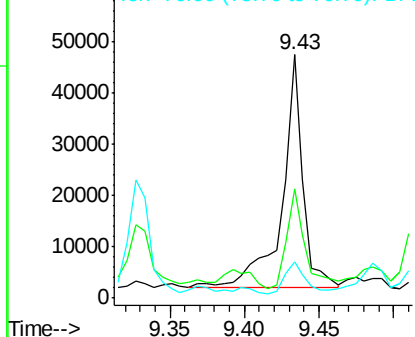


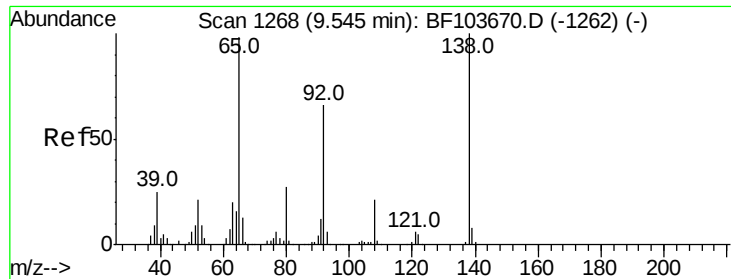
#45
1,1'-Biphenyl
Concen: 2.487 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.6	21.3	61.3
76	15.0	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: 9.751 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.05 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

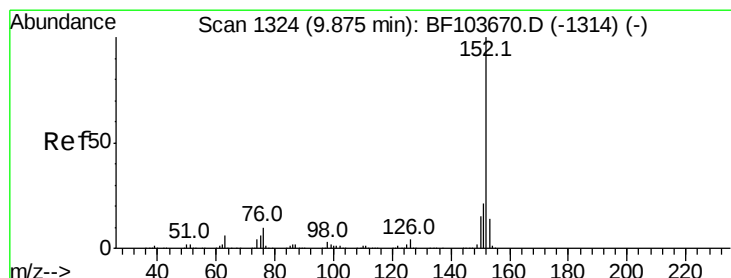
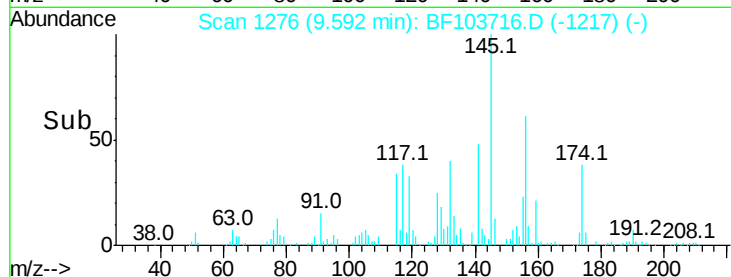
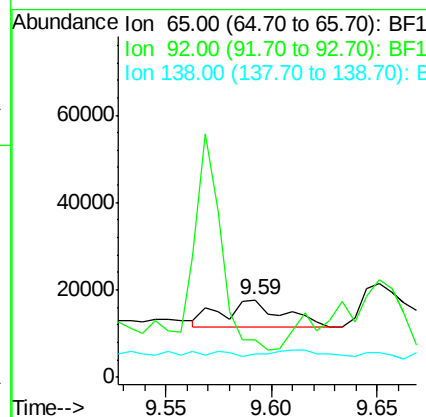
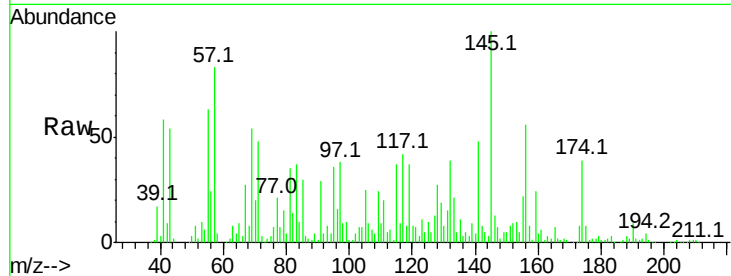
Tot Ion: 65 Resp: 12556

Ion Ratio Lower Upper

65 100

92 47.7 55.8 83.6#

138 30.2 91.2 136.8#



#48

Acenaphthylene

Concen: 4.283 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

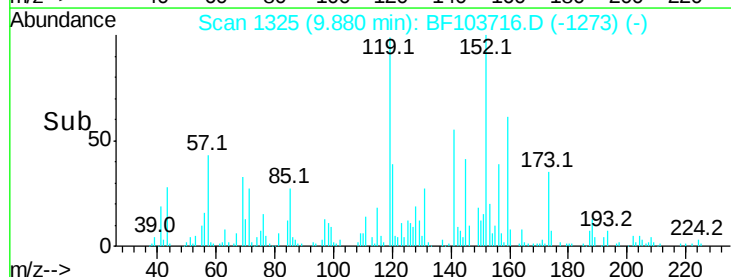
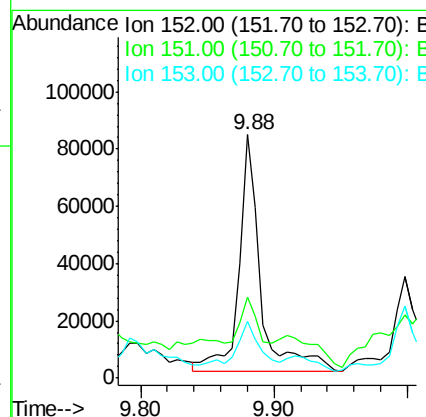
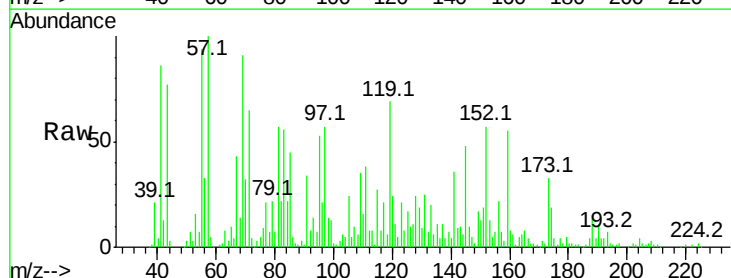
Tgt Ion: 152 Resp: 93145

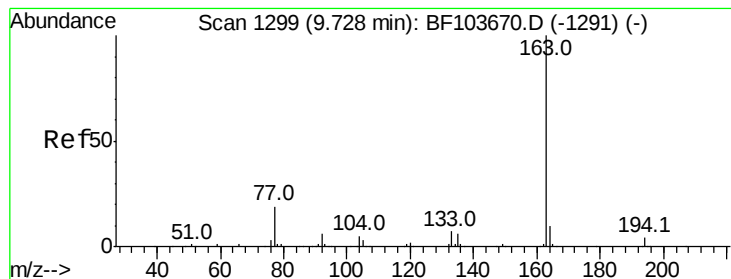
Ion Ratio Lower Upper

152 100

151 33.3 16.3 24.5#

153 23.1 10.7 16.1#





#49

Dimethylphthalate

Concen: 2.928 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampled :

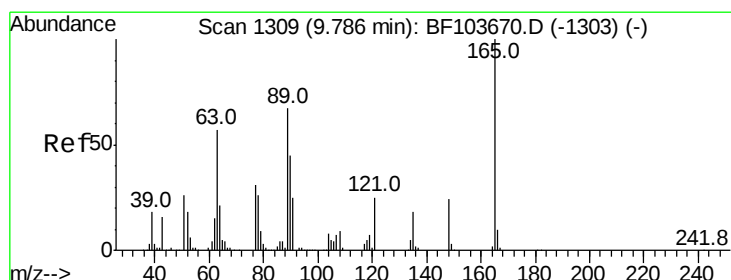
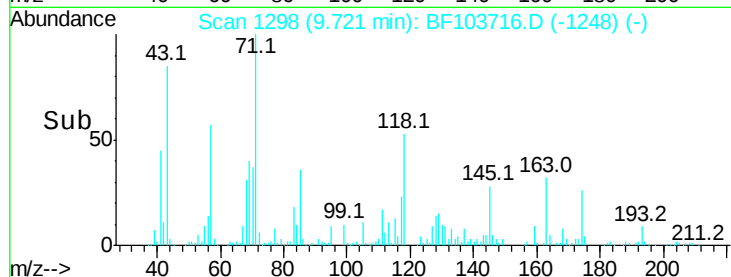
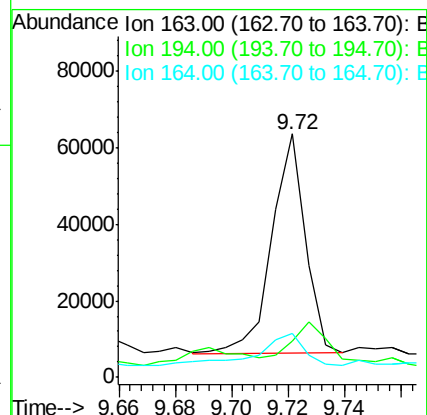
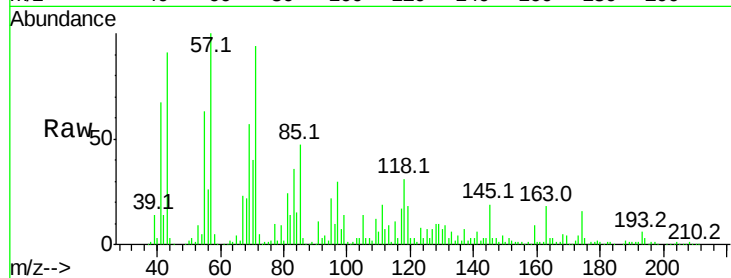
Tot Ion:163 Resp: 47295

Ion Ratio Lower Upper

163 100

194 15.0 2.7 4.1#

164 17.9 8.2 12.2#



#50

2,6-Dinitrotoluene

Concen: 5.469 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.03 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

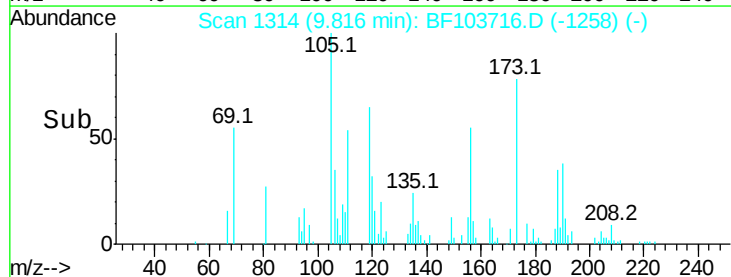
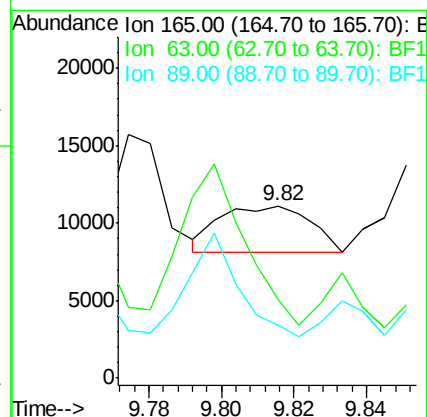
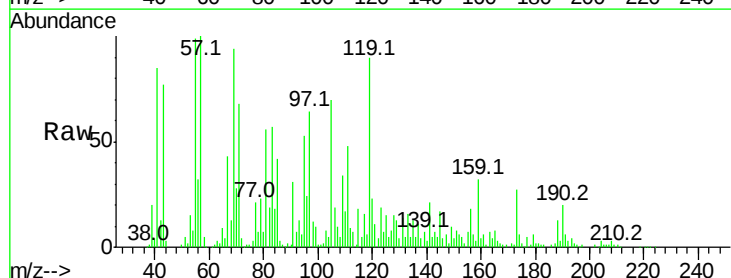
Tgt Ion:165 Resp: 5063

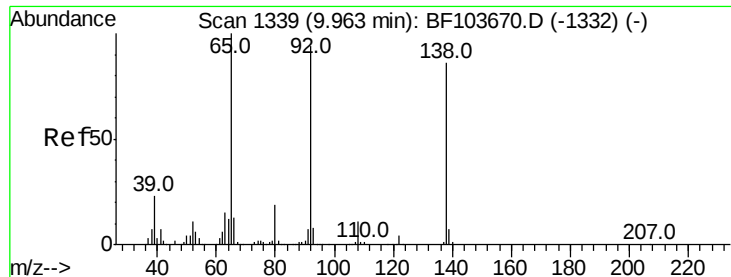
Ion Ratio Lower Upper

165 100

63 45.2 44.7 67.1

89 30.4 44.0 66.0#





#52

3-Nitroaniline

Concen: 5.655 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

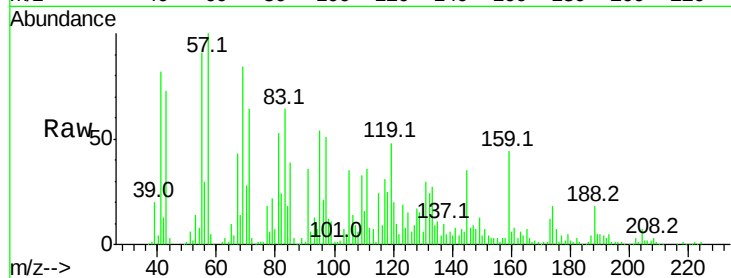
Tot Ion:138 Resp: 7490

Ion Ratio Lower Upper

138 100

108 122.4 9.4 14.0#

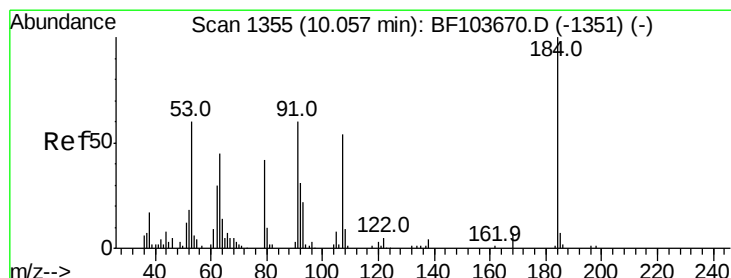
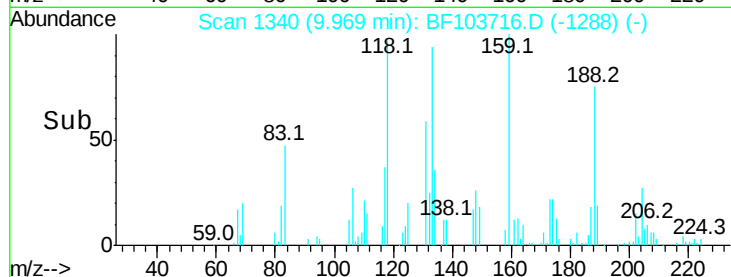
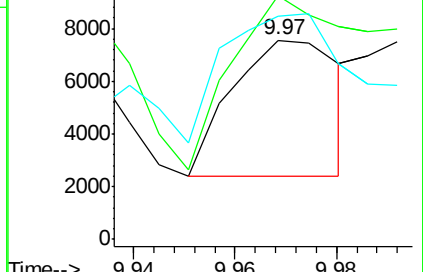
92 112.2 89.4 134.2



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: 8.762 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.02 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

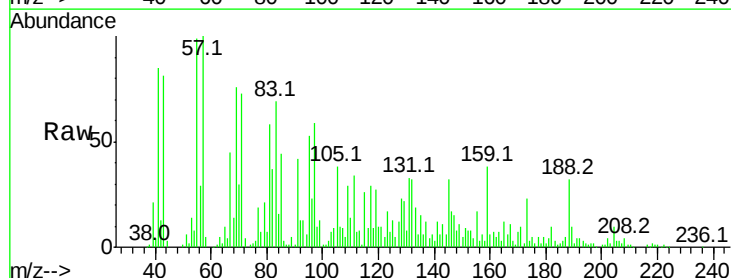
Tgt Ion:184 Resp: 1014

Ion Ratio Lower Upper

184 100

63 856.1 54.2 81.2#

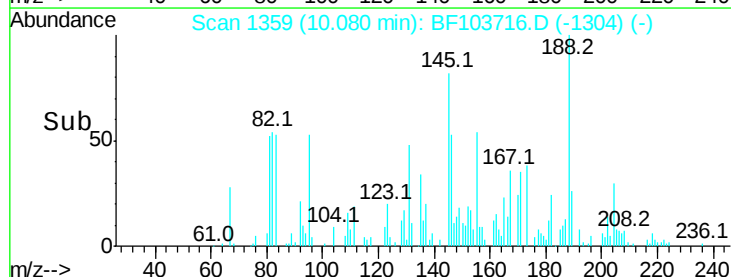
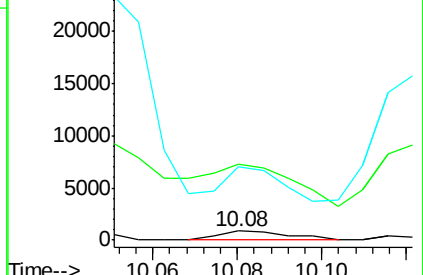
154 833.3 184.0 276.0#

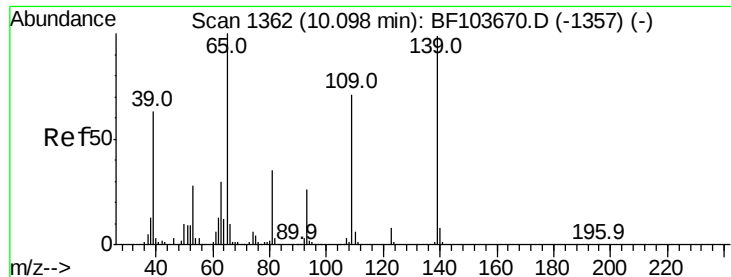


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

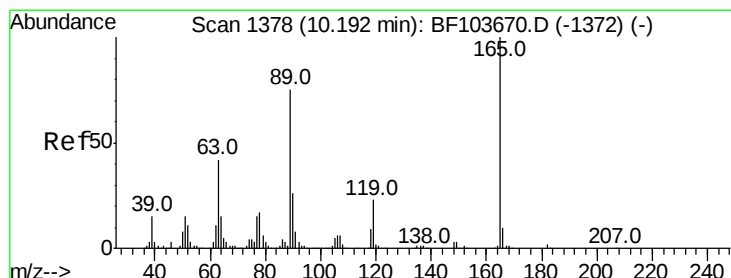
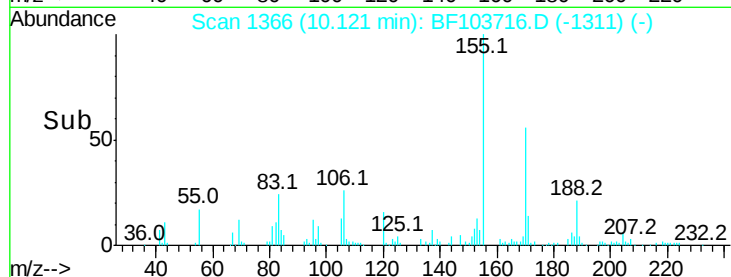
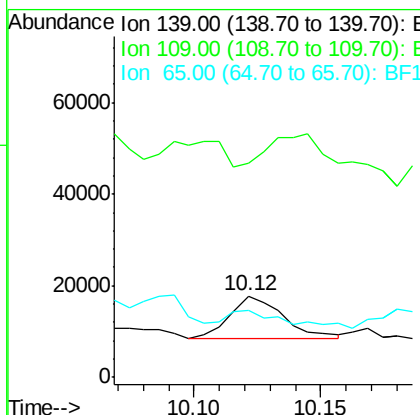
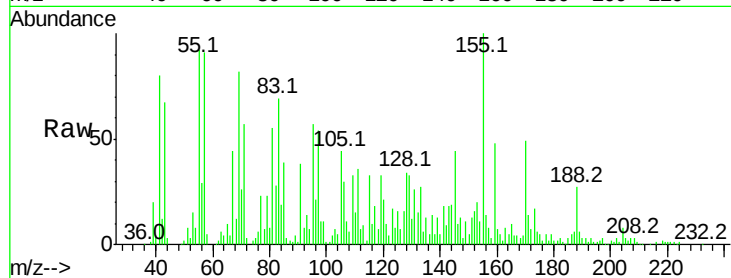




#55
4-Nitrophenol
Concen: 9.350 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.02 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

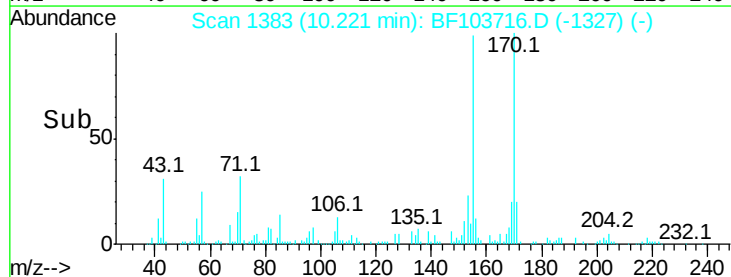
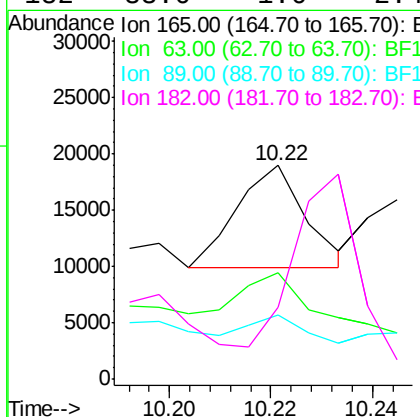
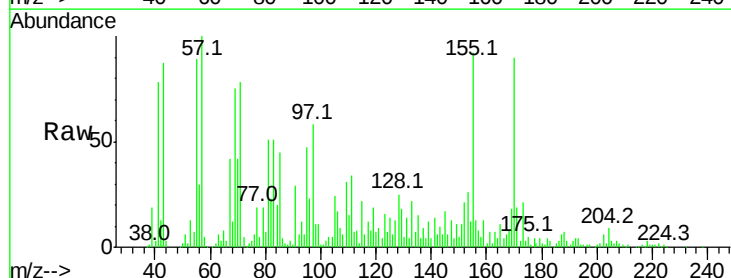
Instrument :
BNA_F
ClientSampleId :

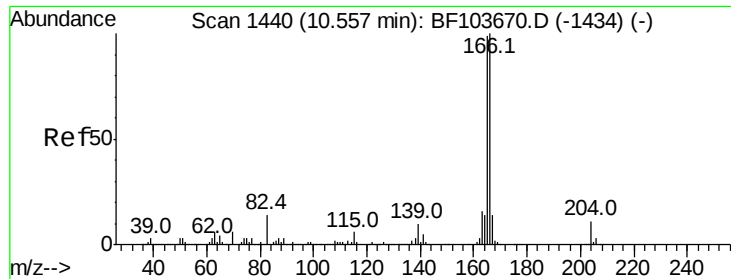
Tot Ion:139 Resp: 13815
Ion Ratio Lower Upper
139 100
109 262.8 48.4 88.4#
65 82.1 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 8.098 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.03 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Tgt Ion:165 Resp: 8569
Ion Ratio Lower Upper
165 100
63 49.7 36.4 54.6
89 29.9 57.8 86.6#
182 33.6 1.6 2.4#





#57

Fluorene

Concen: 3.789 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

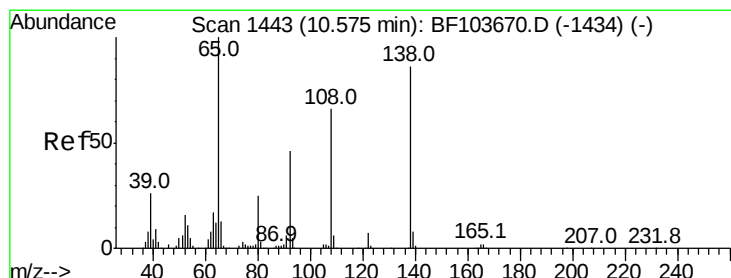
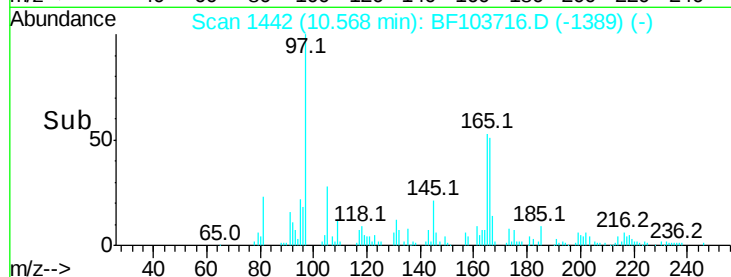
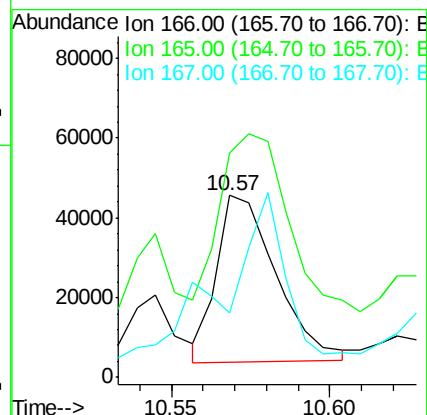
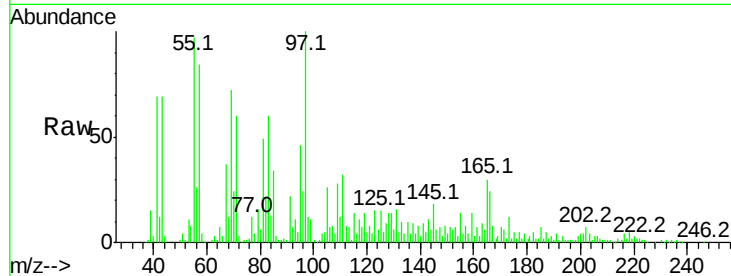
Tot Ion:166 Resp: 54222

Ion Ratio Lower Upper

166 100

165 123.3 79.8 119.8#

167 35.2 10.6 16.0#



#61

4-Nitroaniline

Concen: 4.079 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

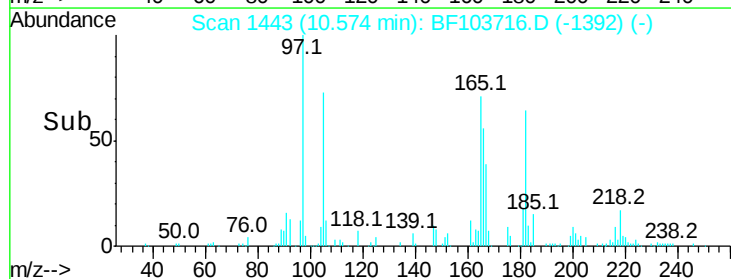
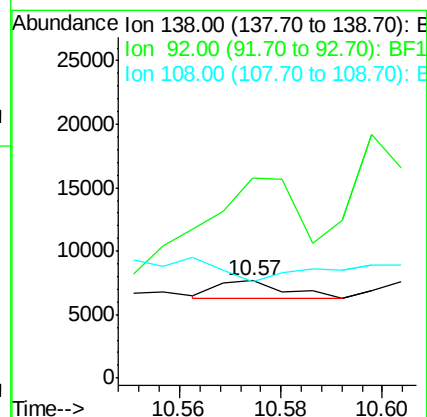
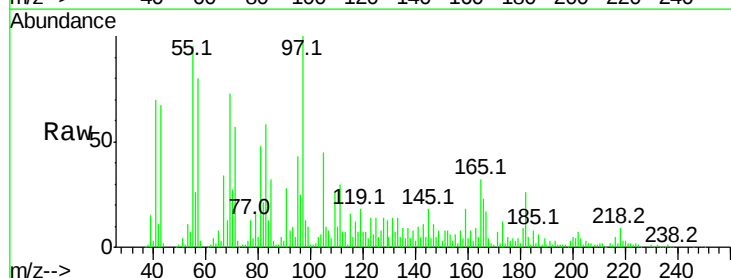
Tgt Ion:138 Resp: 1287

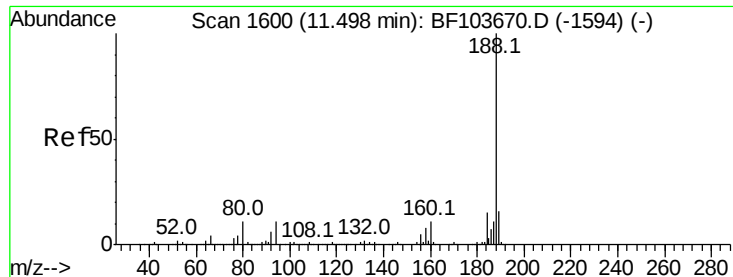
Ion Ratio Lower Upper

138 100

92 204.9 30.2 70.2#

108 98.9 52.5 92.5#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.02 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampled :

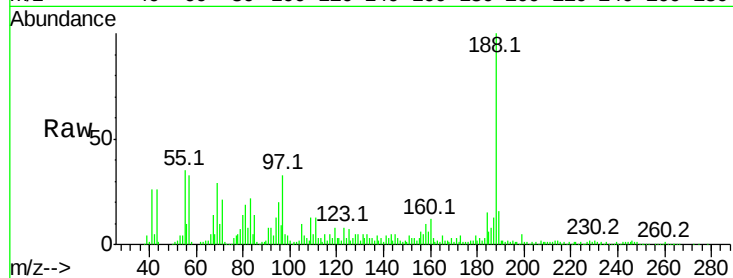
Tot Ion:188 Resp: 319848

Ion Ratio Lower Upper

188 100

94 13.0 8.5 12.7#

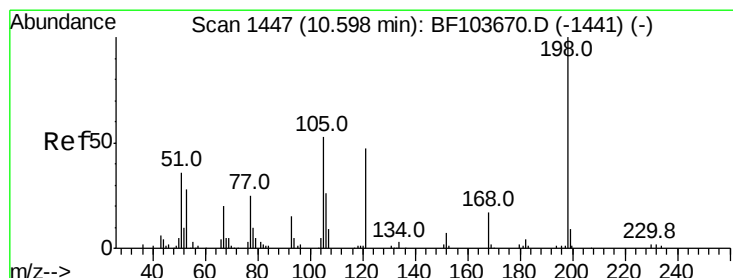
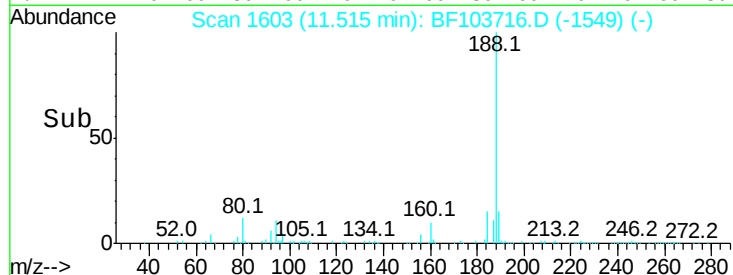
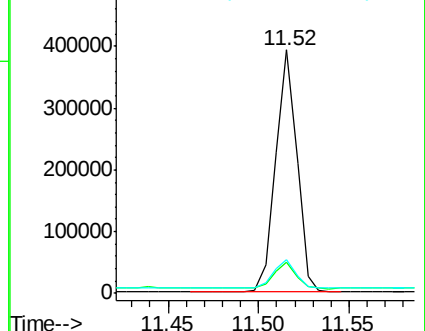
80 13.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.558 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.04 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

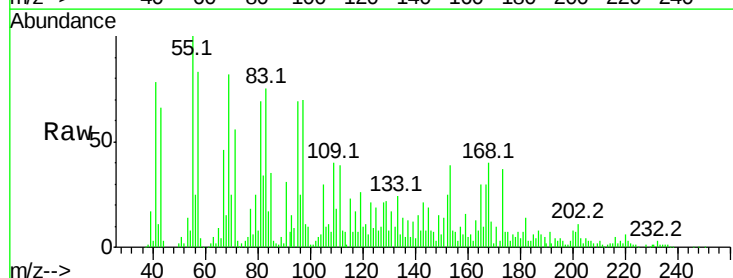
Tgt Ion:198 Resp: 471

Ion Ratio Lower Upper

198 100

51 843.9 37.7 77.7#

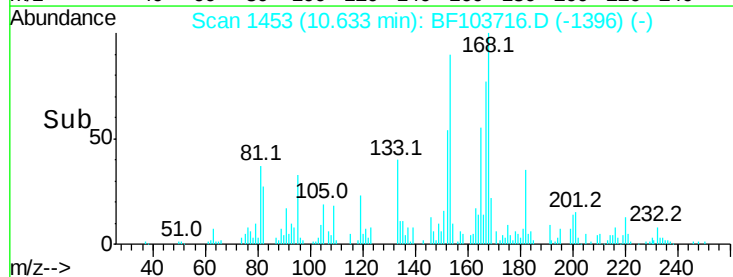
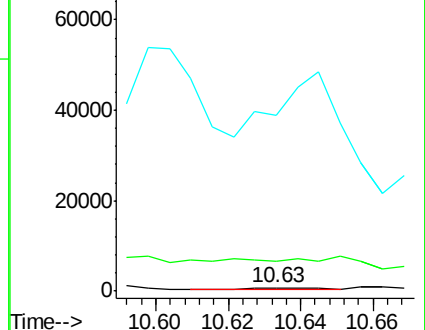
105 5006.4 36.3 76.3#

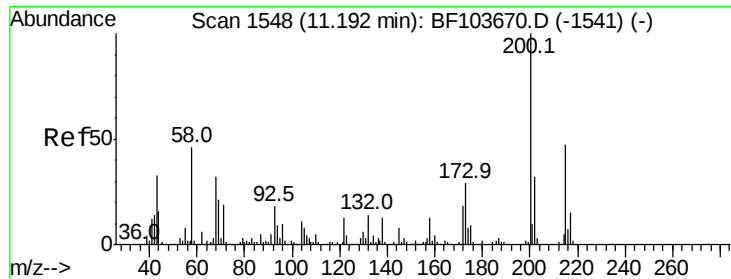


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

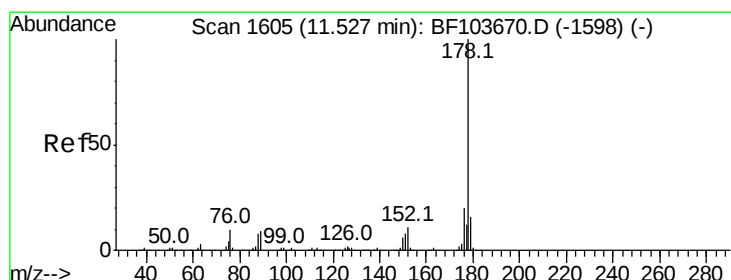
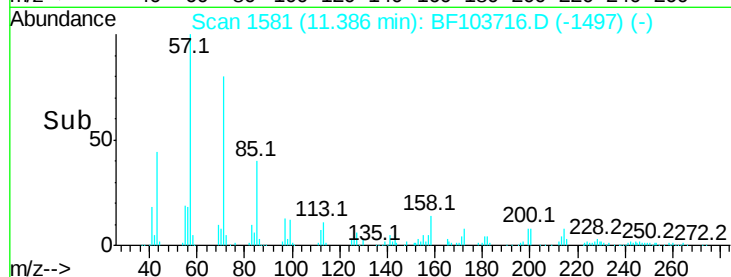
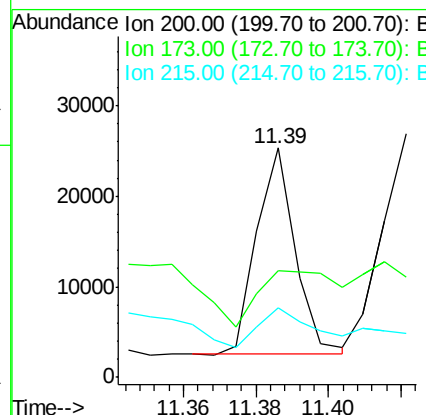
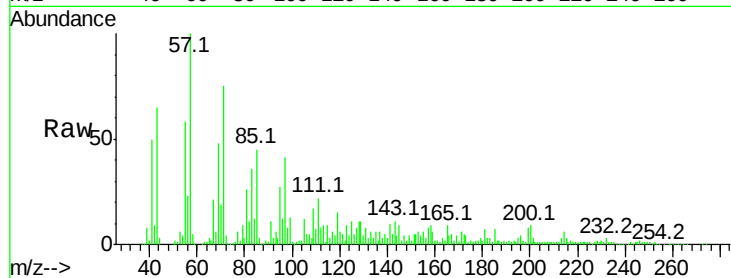




#68
Atrazine
Concen: 4.903 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.19 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

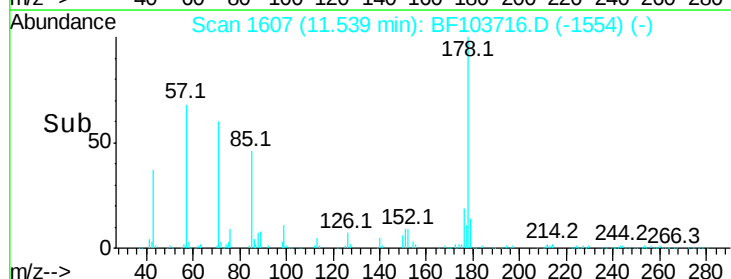
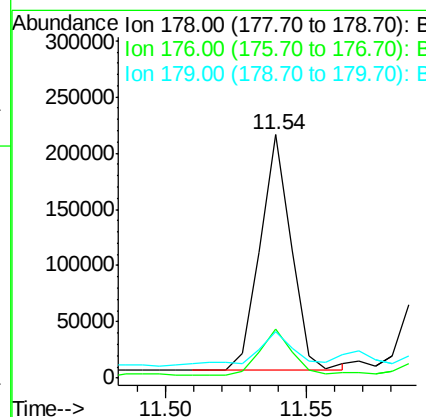
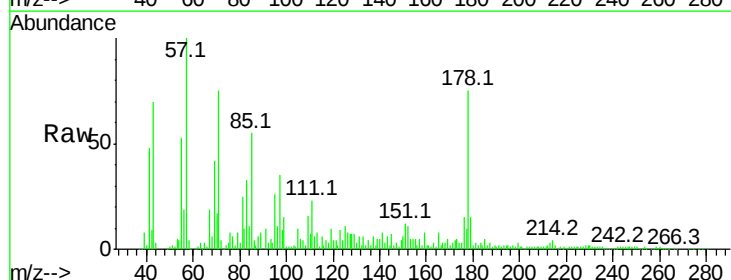
Instrument :
BNA_F
ClientSampleId :

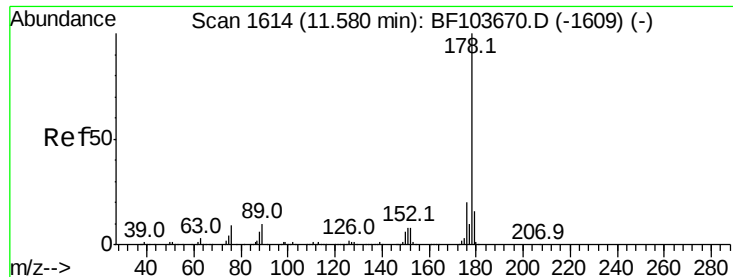
Tot Ion:200 Resp: 16514
Ion Ratio Lower Upper
200 100
173 46.8 8.6 48.6
215 30.1 25.1 65.1



#70
Phenanthrene
Concen: 9.218 ng
RT: 11.54 min Scan# 1607
Delta R.T. 0.01 min
Lab File: BF103716.D
Acq: 17 Mar 2018 00:13

Tgt Ion:178 Resp: 161284
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 19.3 13.0 19.6

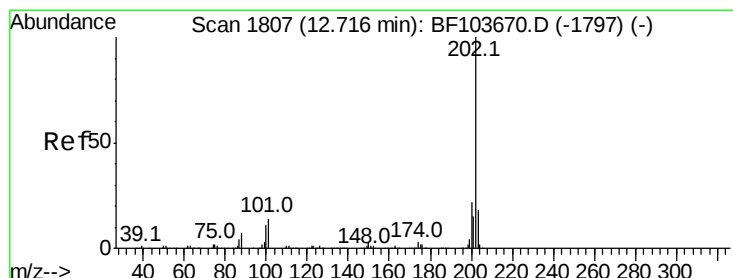
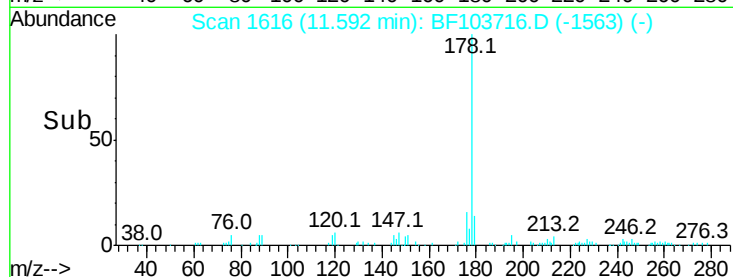
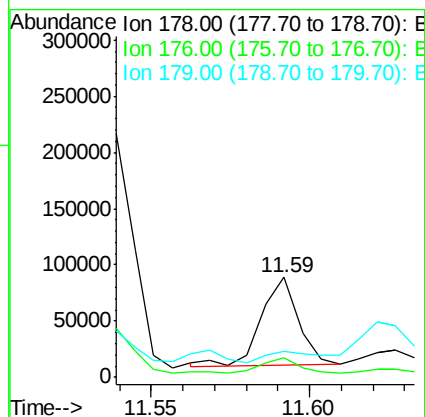
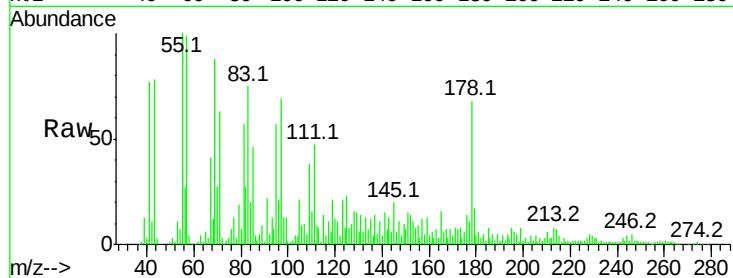




#71
 Anthracene
 Concen: 3.558 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.01 min
 Lab File: BF103716.D
 Acq: 17 Mar 2018 00:13

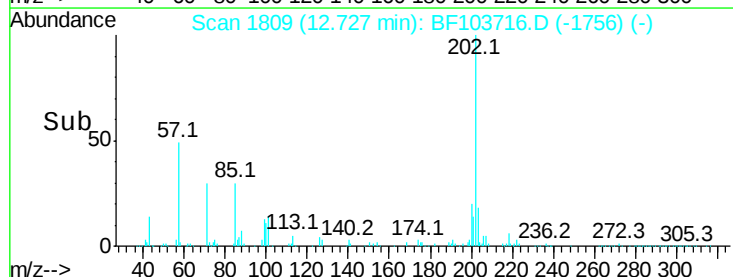
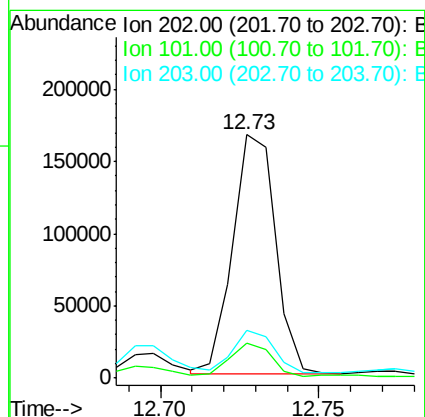
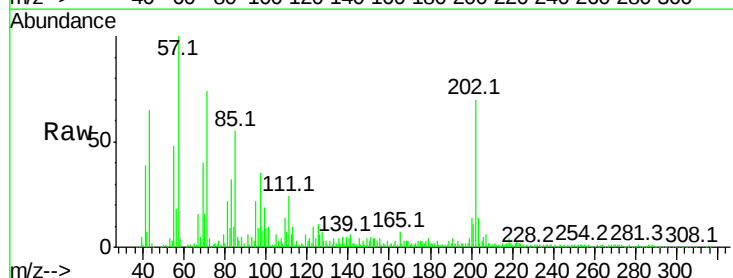
Instrument :
 BNA_F
 ClientSampleId :

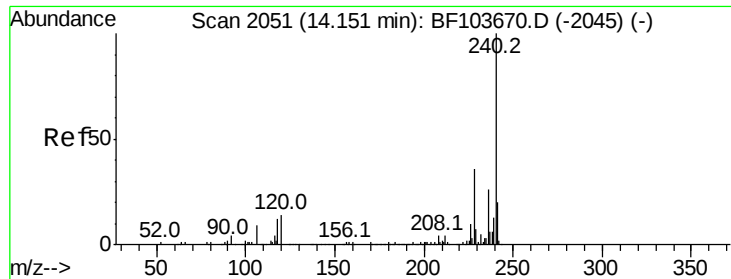
Tot Ion:178 Resp: 63234
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.4 23.2
 179 25.5 12.6 19.0#



#74
 Fluoranthene
 Concen: 8.502 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: BF103716.D
 Acq: 17 Mar 2018 00:13

Tgt Ion:202 Resp: 153257
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 34.1
 203 19.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

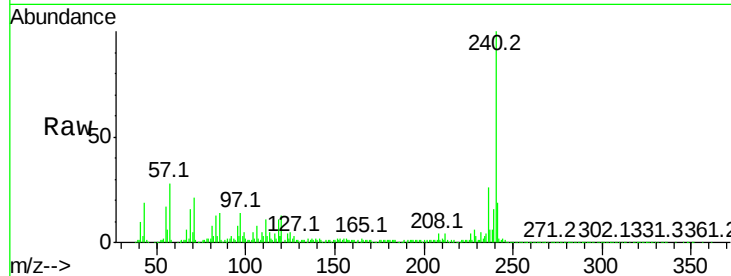
Tot Ion:240 Resp: 308992

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

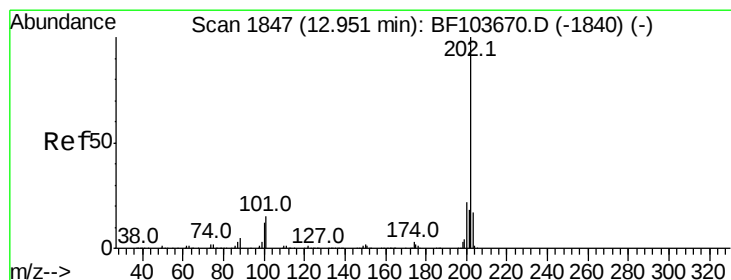
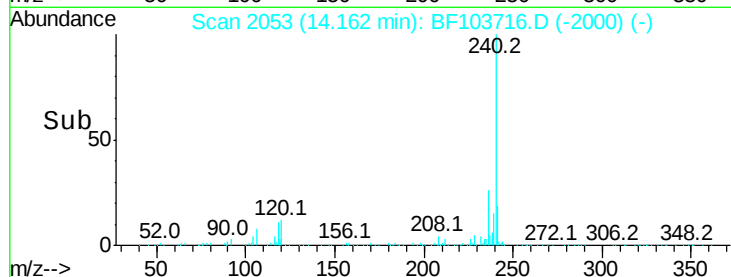
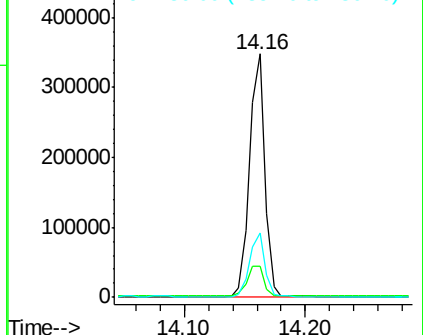
236 26.3 20.7 31.1



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: 11.478 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

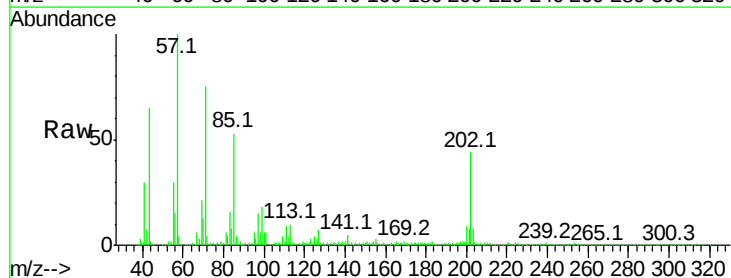
Tgt Ion:202 Resp: 260461

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

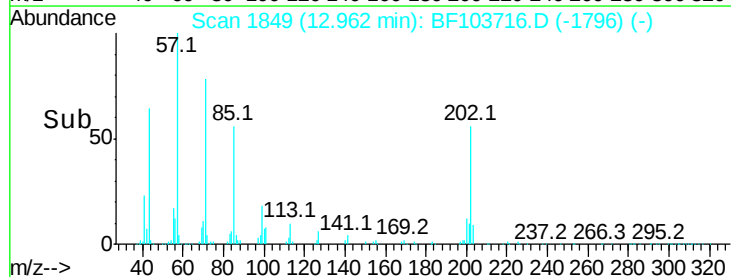
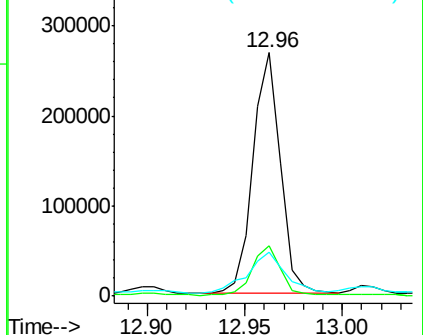
203 18.1 14.3 21.5

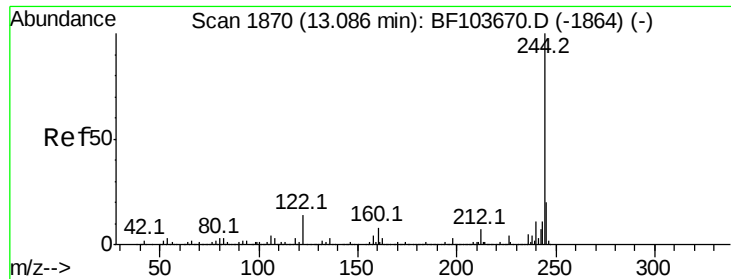


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.477 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

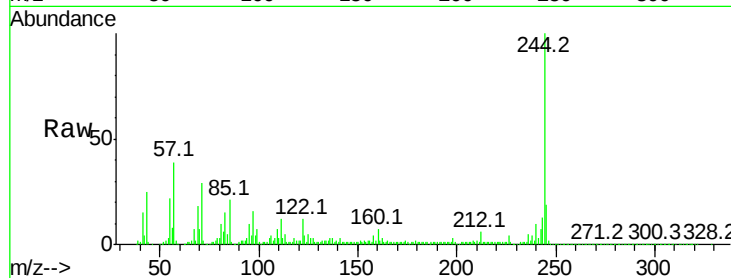
Tot Ion:244 Resp: 392401

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

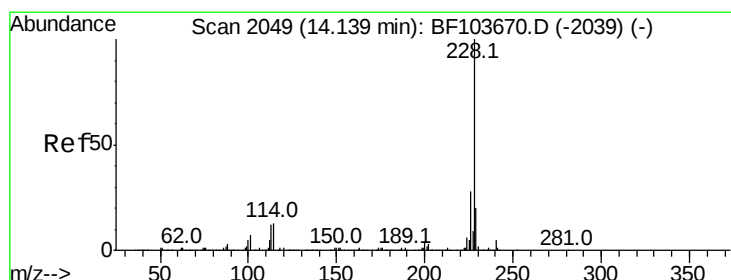
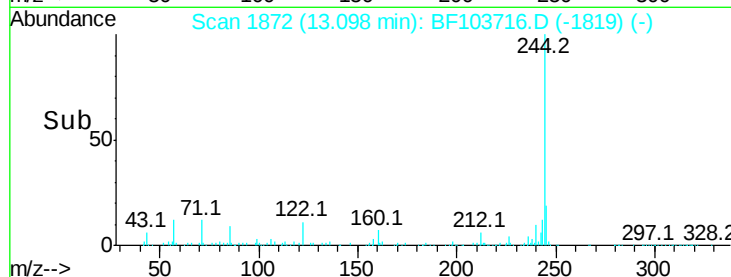
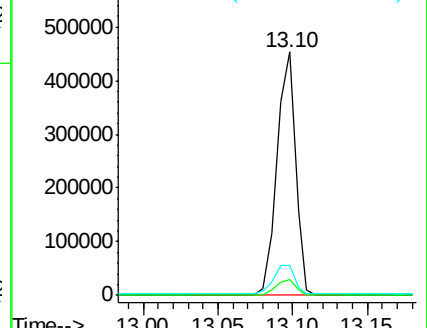
122 12.2 11.0 16.4



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: 6.957 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.05 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

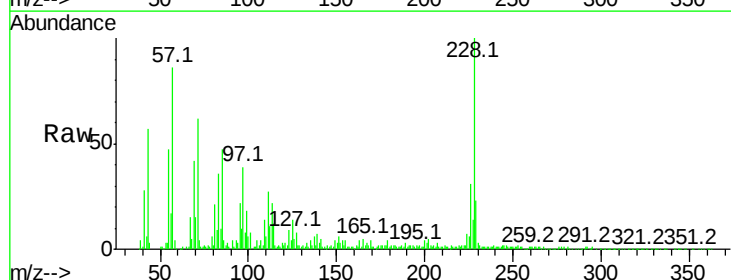
Tgt Ion:228 Resp: 136067

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

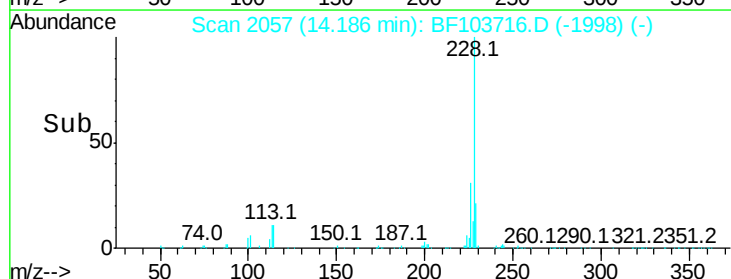
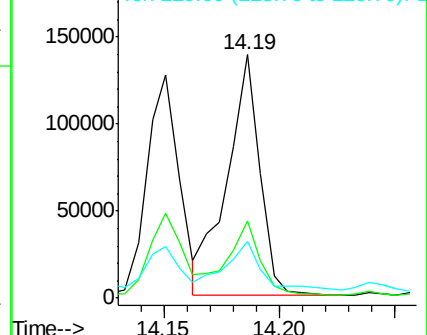
229 23.5 15.8 23.6

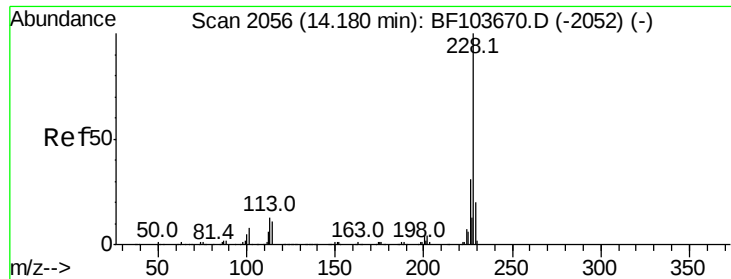


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.298 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

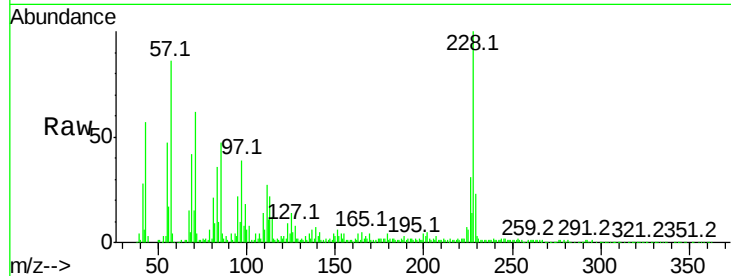
Tot Ion:228 Resp: 136067

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

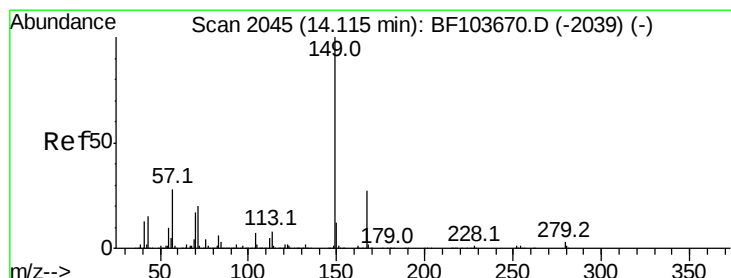
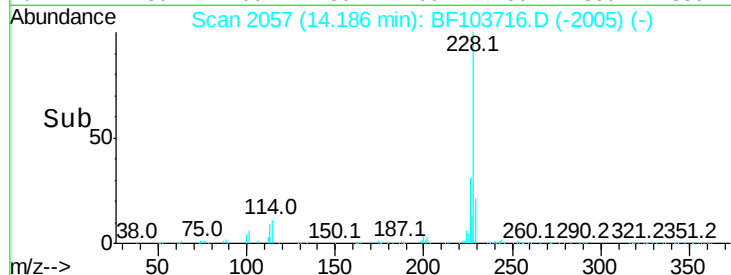
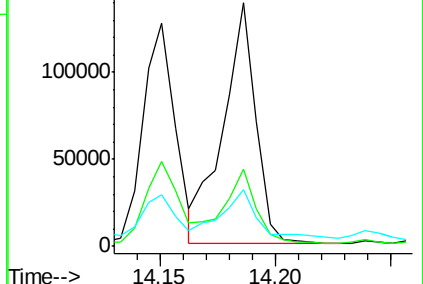
229 23.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.470 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

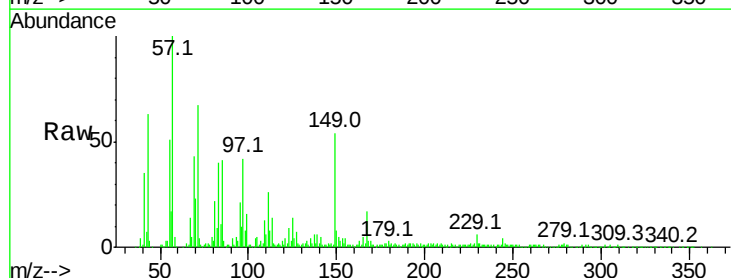
Tgt Ion:149 Resp: 64201

Ion Ratio Lower Upper

149 100

167 30.6 21.3 31.9

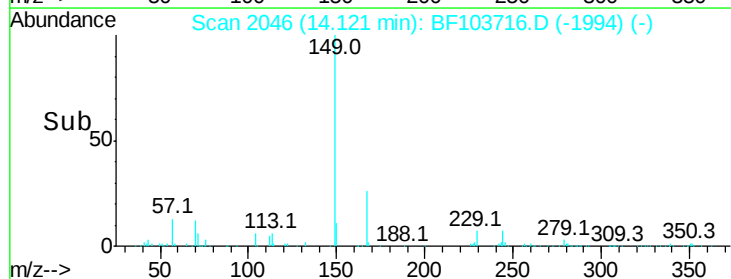
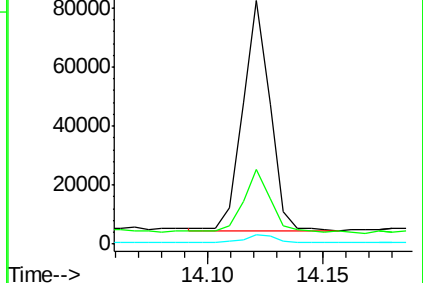
279 3.7 3.0 4.4

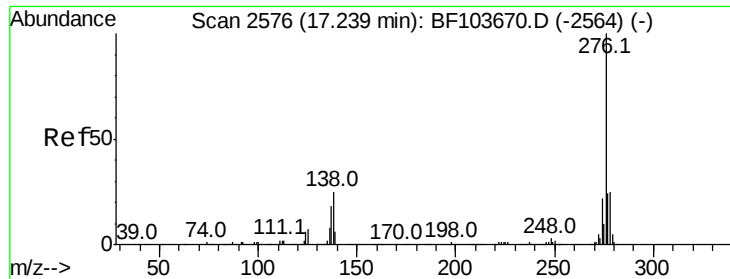


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

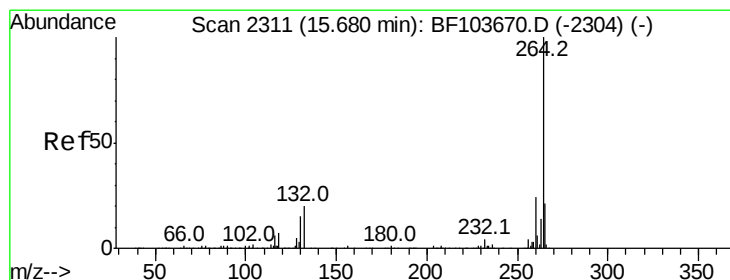
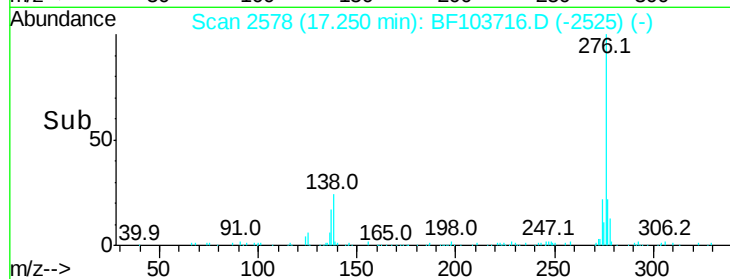
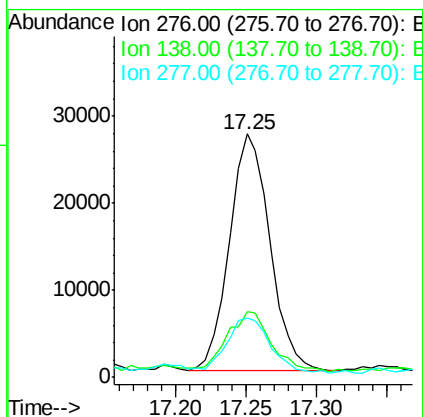
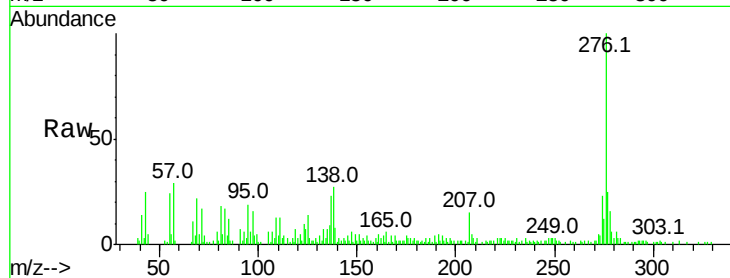




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.323 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. 0.01 min
 Lab File: BF103716.D
 Acq: 17 Mar 2018 00:13

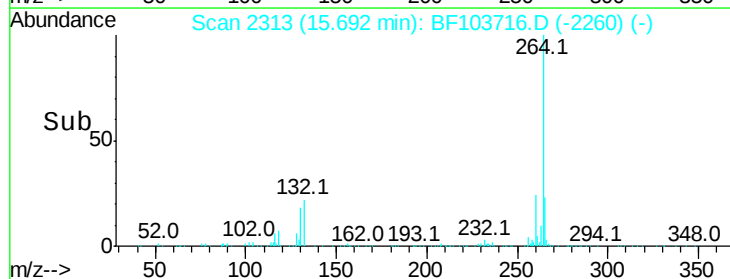
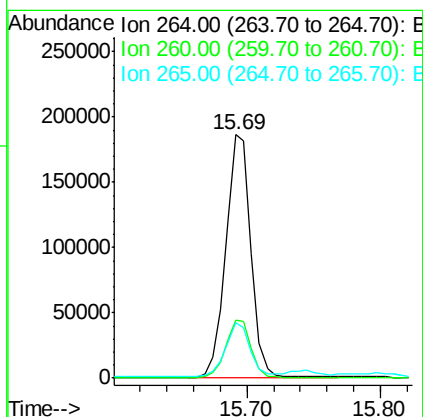
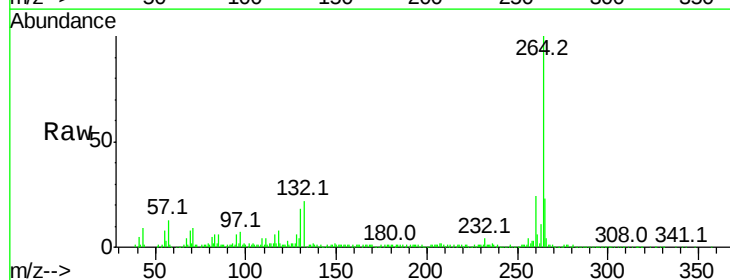
Instrument :
 BNA_F
 ClientSampleId :

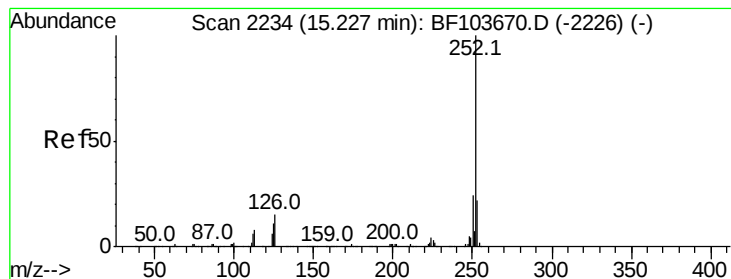
Tot Ion:276 Resp: 54111
 Ion Ratio Lower Upper
 276 100
 138 27.9 25.0 37.6
 277 25.2 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF103716.D
 Acq: 17 Mar 2018 00:13

Tgt Ion:264 Resp: 245152
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 23.0 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 10.704 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

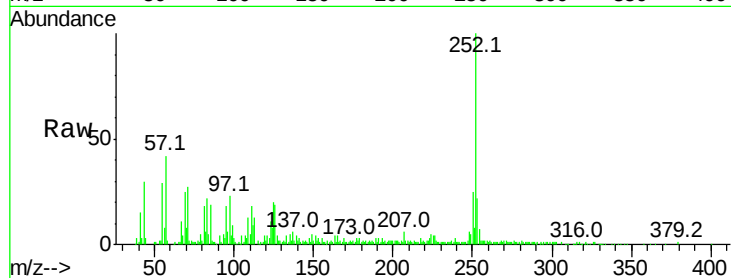
Tot Ion:252 Resp: 165785

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

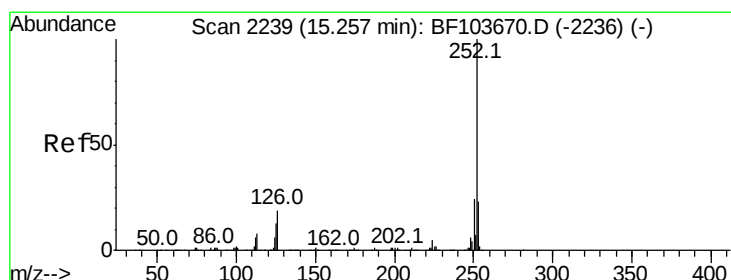
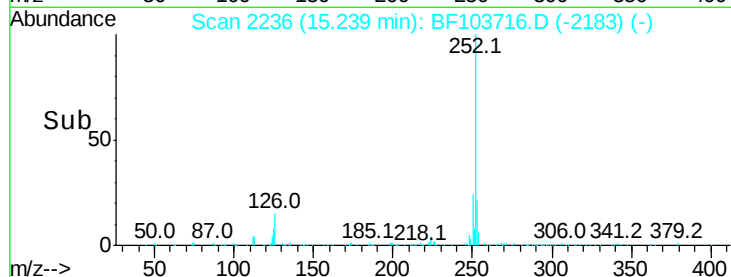
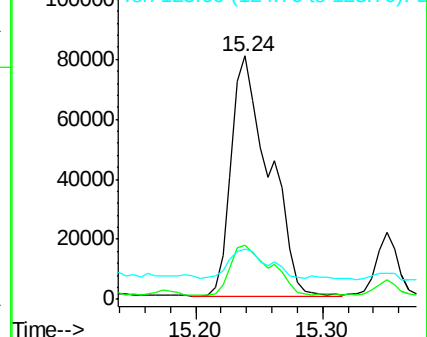
125 20.5 9.0 13.6#



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: 11.135 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

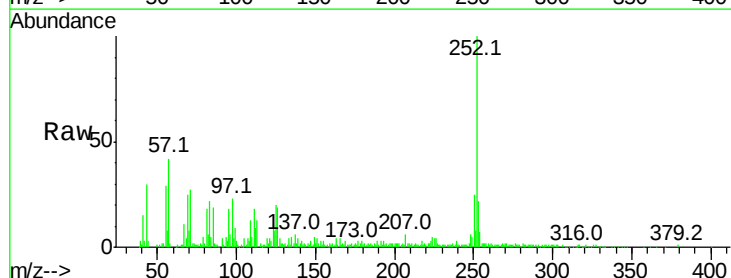
Tgt Ion:252 Resp: 165785

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

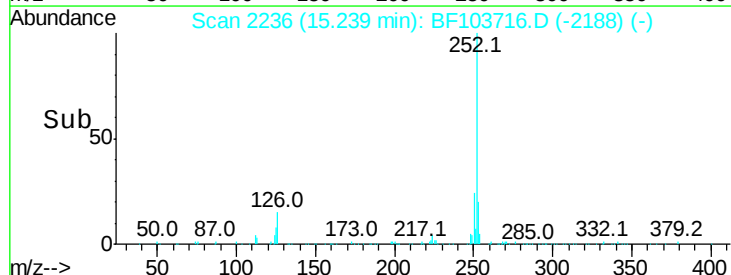
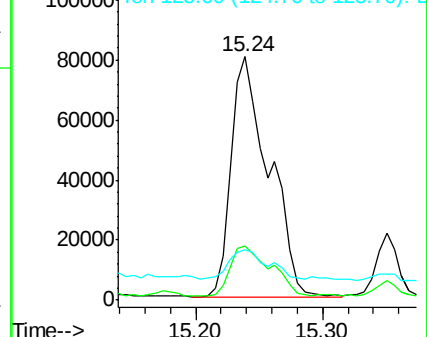
125 20.5 10.2 15.2#

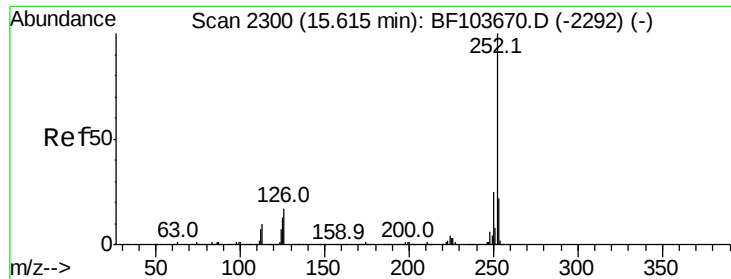


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.686 ng

RT: 15.63 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

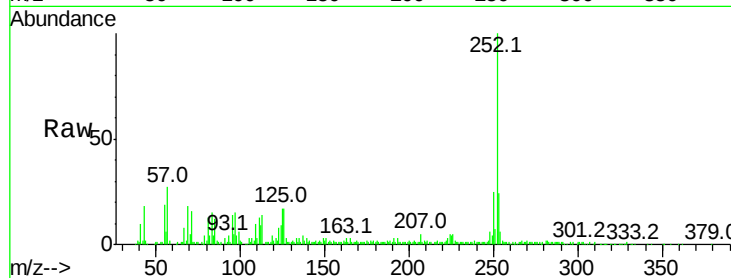
Tot Ion:252 Resp: 107970

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

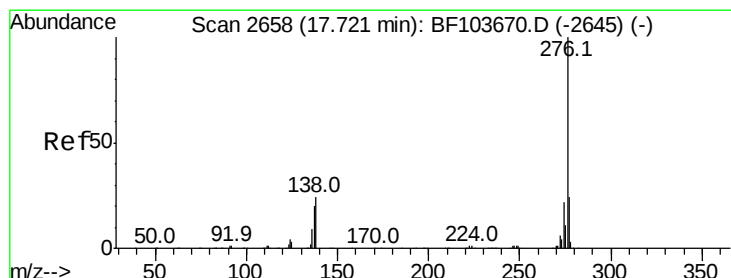
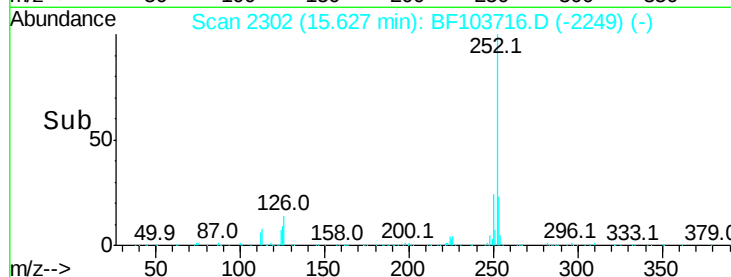
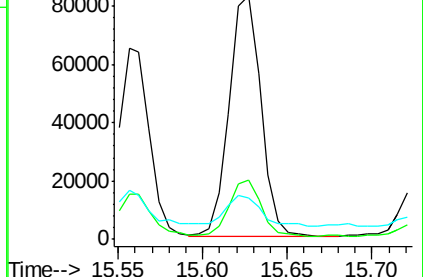
125 17.2 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 5.952 ng

RT: 17.73 min Scan# 2660

Delta R.T. 0.01 min

Lab File: BF103716.D

Acq: 17 Mar 2018 00:13

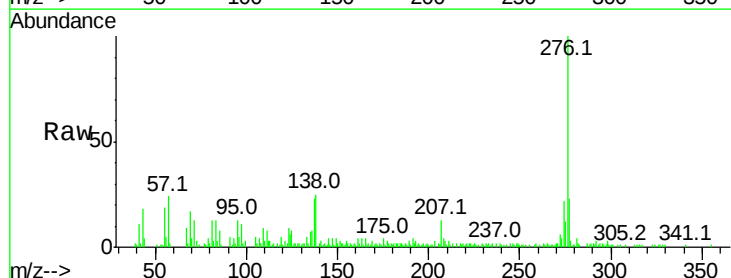
Tgt Ion:276 Resp: 70439

Ion Ratio Lower Upper

276 100

277 23.0 17.9 26.9

138 25.4 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

