

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103804.D
 Acq On : 20 Mar 2018 16:12
 Operator : JU/SJ
 Sample : J1982-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 00:55:05 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	158020	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	606915	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	300120	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	428598	20.00	ng	0.02
75) Chrysene-d12	14.19	240	202657	20.00	ng	0.04
86) Perylene-d12	15.74	264	287637	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	908698	87.47	ng	0.01
7) Phenol-d6	6.59	99	1104708	86.91	ng	0.00
23) Nitrobenzene-d5	7.53	82	653007	75.03	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	219077	84.90	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1082624	57.54	ng	0.00
78) Terphenyl-d14	13.10	244	760313	87.08	ng	0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.74	77	19726	2.362	ng	84
10) Phenol	6.60	94	43993	3.257	ng	81
19) n-Nitroso-di-n-propylamine	7.53	70	84647	10.392	ng	# 73
25) Isophorone	7.53	82	651197	32.322	ng	# 64
26) 2-Nitrophenol	7.82	139	392	9.527	ng	# 1
31) Naphthalene	8.28	128	1492034	48.667	ng	99
32) Benzoic acid	7.93	122	7551	10.889	ng	90
33) 4-Chloroaniline	8.28	127	203579	15.828	ng	# 34
37) 2-Methylnaphthalene	8.97	142	619980	31.889	ng	100
45) 1,1'-Biphenyl	9.43	154	224808	8.983	ng	99
47) 2-Nitroaniline	9.52	65	2971	7.304	ng	# 32
48) Acenaphthylene	9.88	152	1419189	46.044	ng	100
49) Dimethylphthalate	9.72	163	119868	5.235	ng	99
50) 2,6-Dinitrotoluene	9.70	165	5490	5.120	ng	# 87
51) Acenaphthene	10.05	154	438803	23.976	ng	99
52) 3-Nitroaniline	9.96	138	912	3.973	ng	# 39
53) 2,4-Dinitrophenol	10.06	184	347	6.890	ng	# 1
54) Dibenzofuran	10.22	168	508093	19.438	ng	# 96
55) 4-Nitrophenol	10.11	139	8646	6.904	ng	# 50
56) 2,4-Dinitrotoluene	10.17	165	19290	9.206	ng	# 53
57) Fluorene	10.57	166	999353	49.271	ng	99
61) 4-Nitroaniline	10.53	138	995	3.929	ng	86
64) 4,6-Dinitro-2-methylphenol	10.61	198	561	8.509	ng	# 1
65) n-Nitrosodiphenylamine	10.67	169	40210	2.756	ng	# 71
66) 4-Bromophenyl-phenylether	10.80	248	13034	2.962	ng	# 1
70) Phenanthrene	11.55	178	4069757	173.585	ng	99
71) Anthracene	11.60	178	1874124	78.704	ng	99
72) Carbazole	11.74	167	349577	15.104	ng	98
74) Fluoranthene	12.76	202	3996006	165.439	ng	97
77) Pyrene	13.00	202	4048639	272.031	ng	97
80) Benzo(a)anthracene	14.17	228	2712253	211.430	ng	# 89
82) Chrysene	14.17	228	2712253	221.798	ng	93
85) Indeno(1,2,3-cd)pyrene	17.36	276	1491082	139.627	ng	# 93
87) Benzo(b)fluoranthene	15.29	252	4193665	230.774	ng	95

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

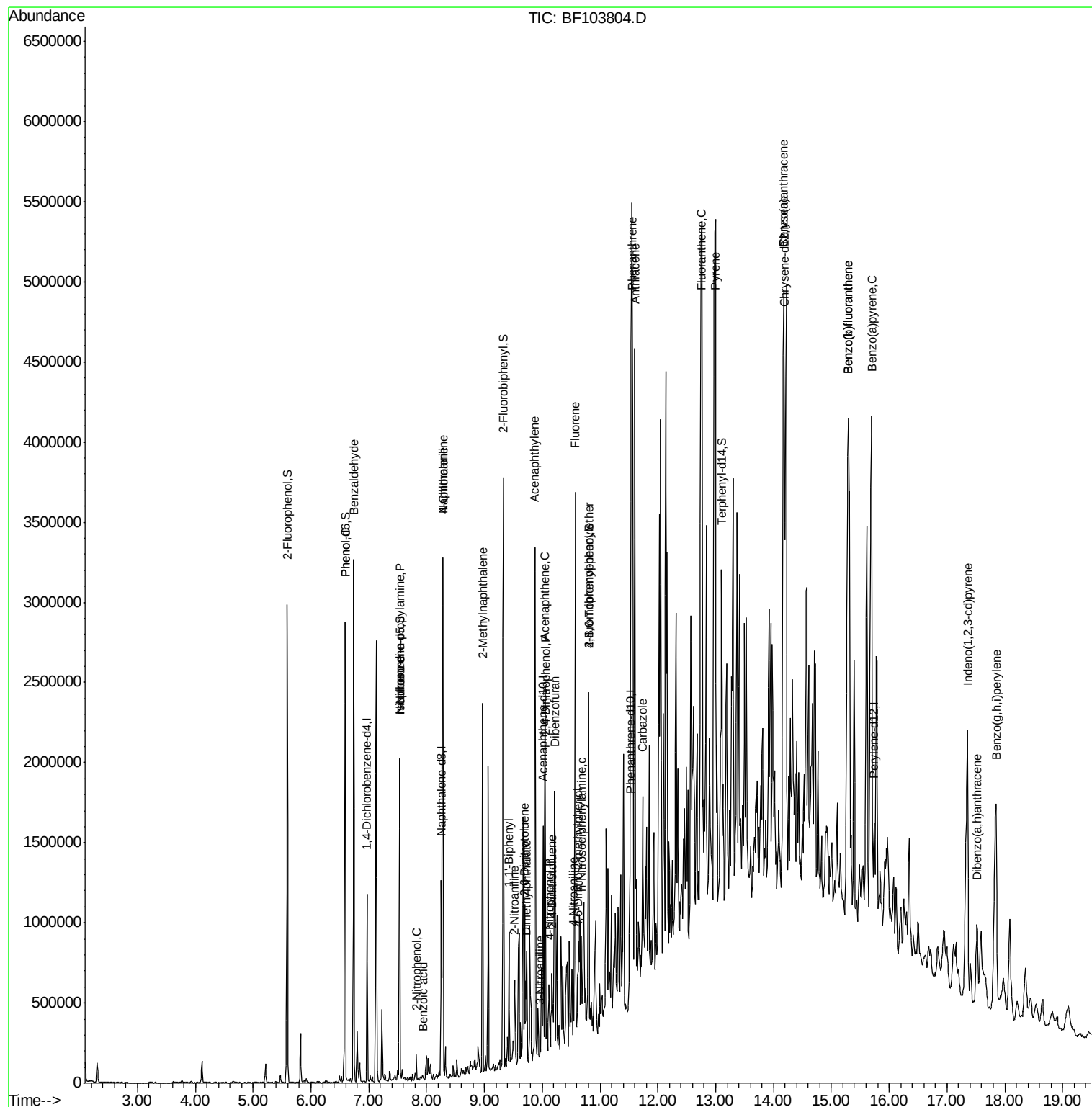
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(k)fluoranthene	15.29	252	4193665	240.072	ng	98
89) Benzo(a)pyrene	15.69	252	2714866	164.713	ng	95
90) Dibenzo(a,h)anthracene	17.52	278	409652	28.703	ng	96
91) Benzo(g,h,i)perylene	17.85	276	1478576	106.491	ng	96

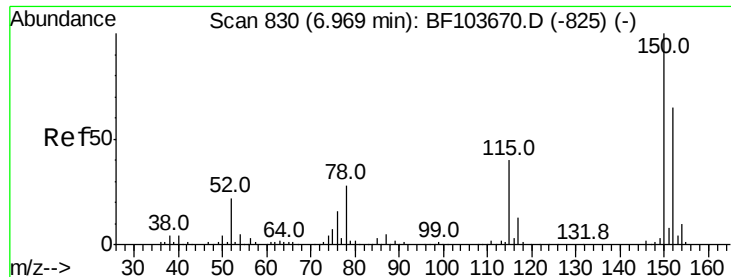
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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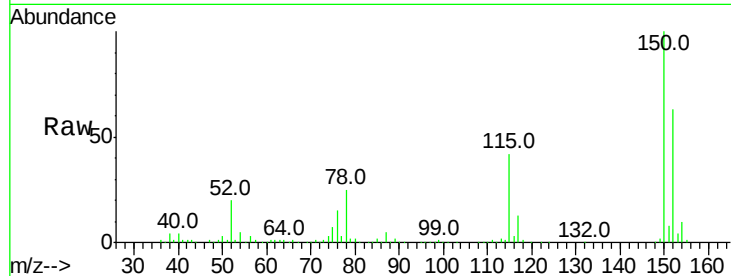


#1

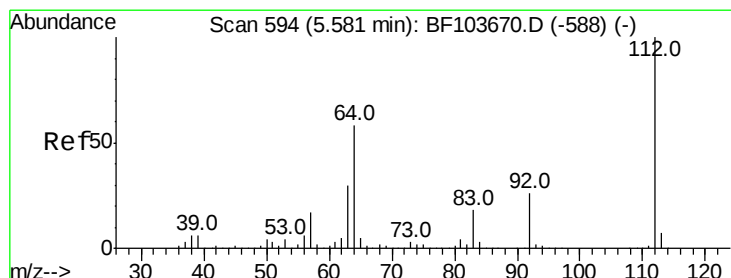
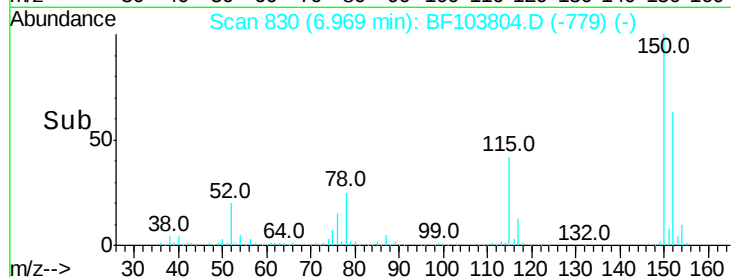
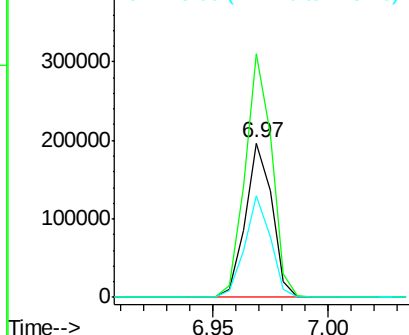
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158020
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 65.5 50.1 75.1



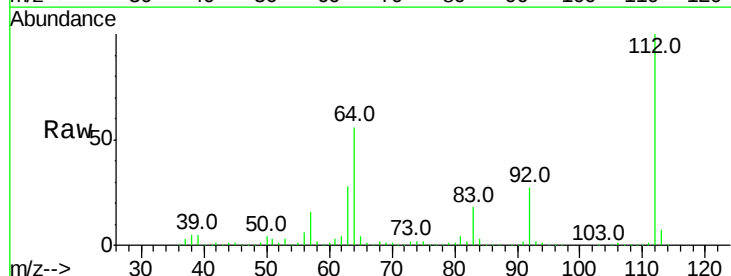
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



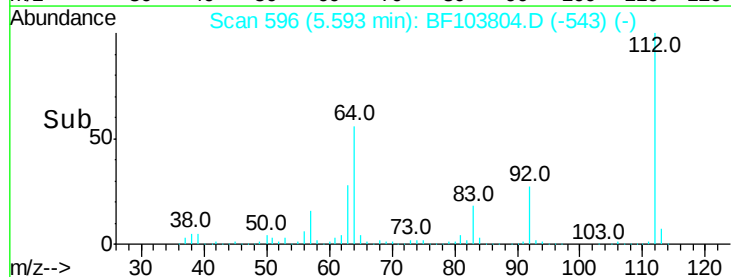
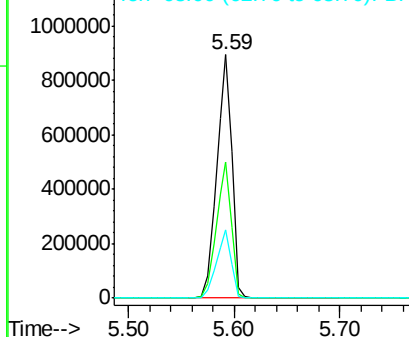
#5

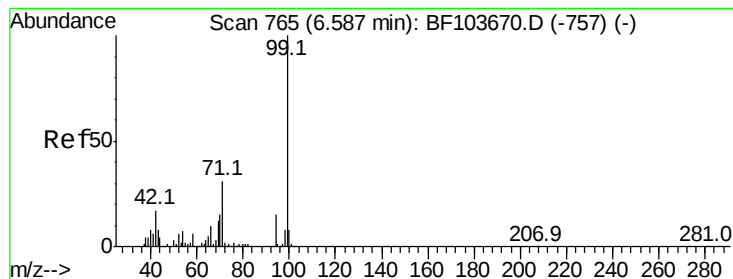
2-Fluorophenol
Concen: 87.465 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:112 Resp: 908698
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.1 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: 86.913 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampled :

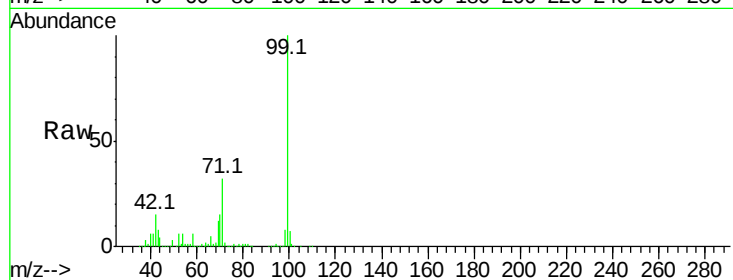
Tot Ion: 99 Resp: 1104708

Ion Ratio Lower Upper

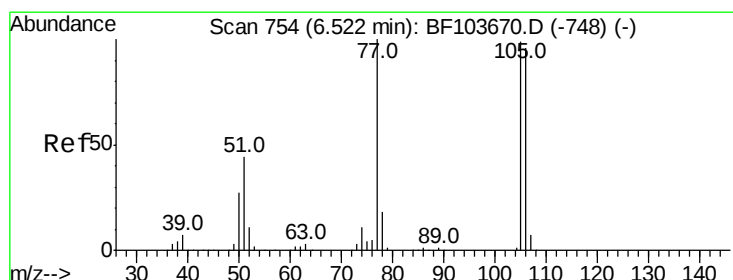
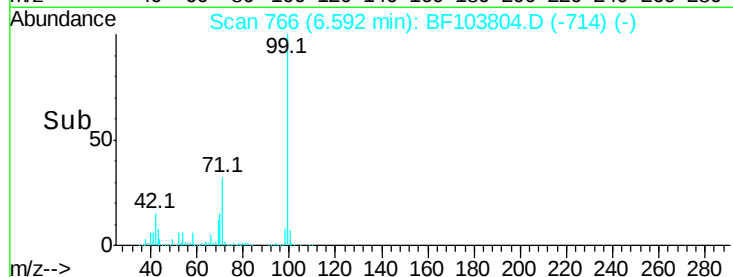
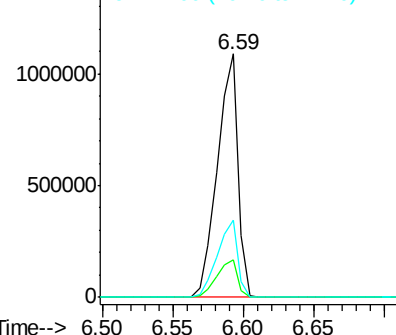
99 100

42 15.4 14.5 21.7

71 31.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.362 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.22 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

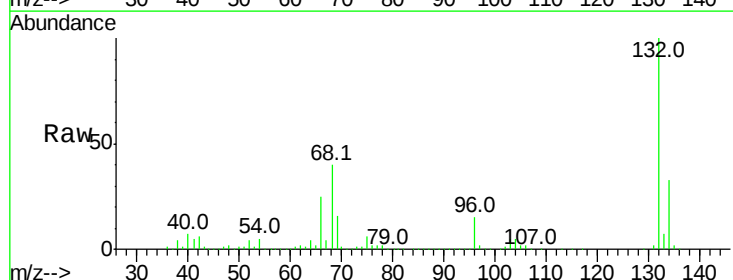
Tgt Ion: 77 Resp: 19726

Ion Ratio Lower Upper

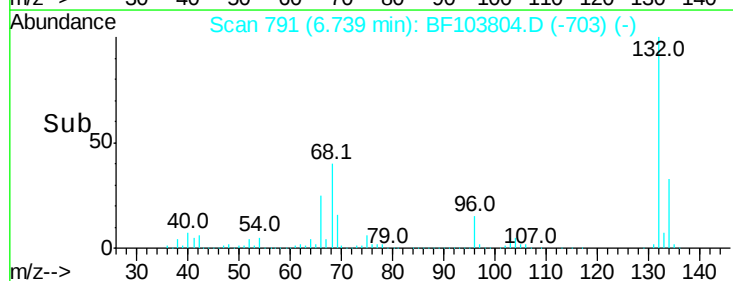
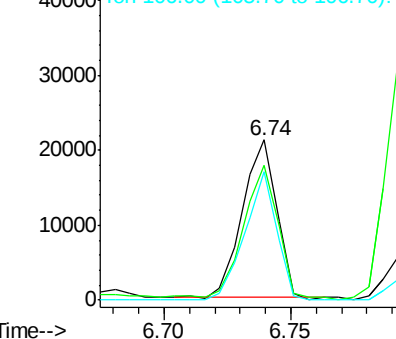
77 100

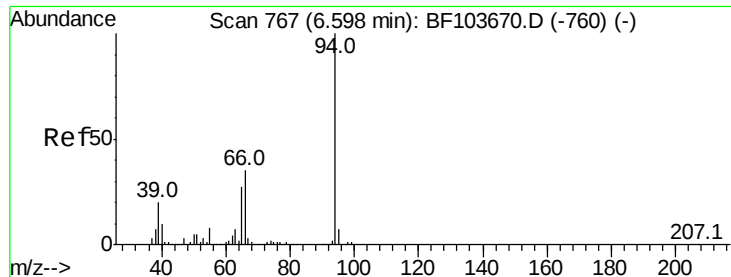
105 84.5 81.1 121.1

106 80.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.257 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampleId :

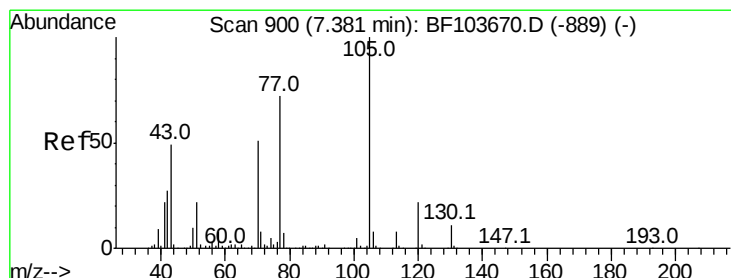
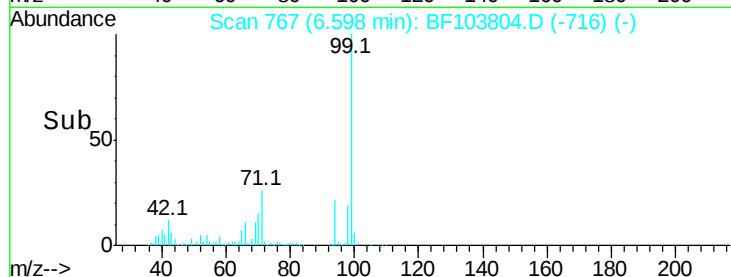
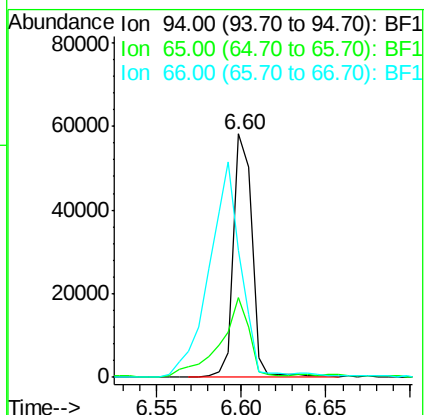
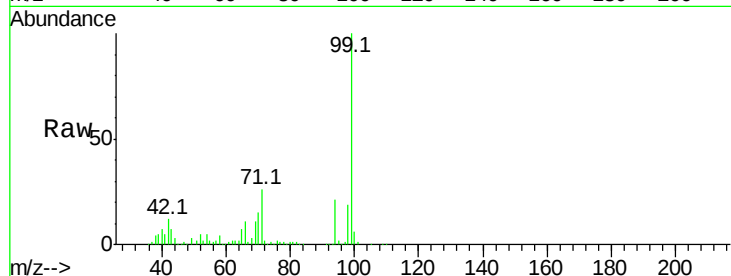
Tot Ion: 94 Resp: 43993

Ion Ratio Lower Upper

94 100

65 32.6 7.9 47.9

66 52.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.392 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Tgt Ion: 70 Resp: 84647

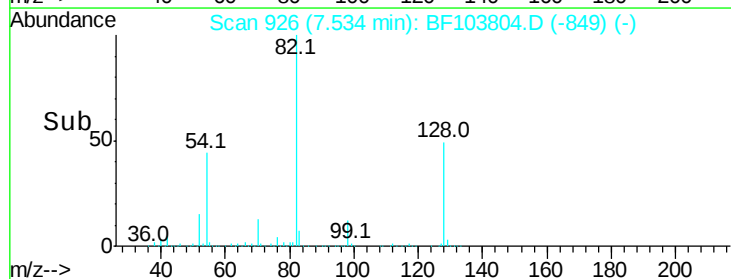
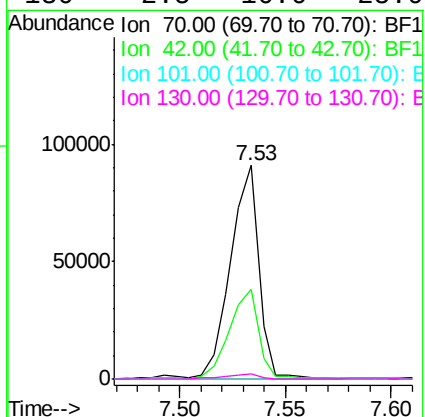
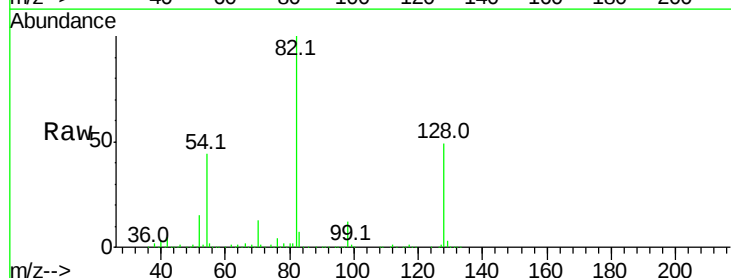
Ion Ratio Lower Upper

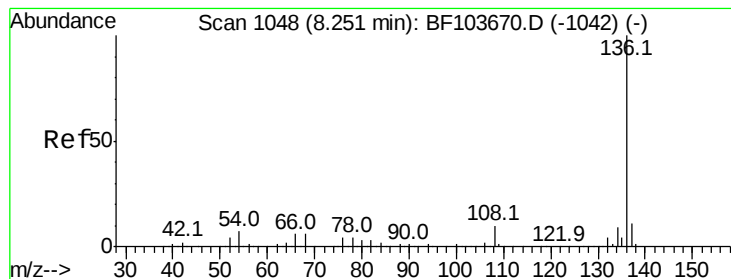
70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 606915

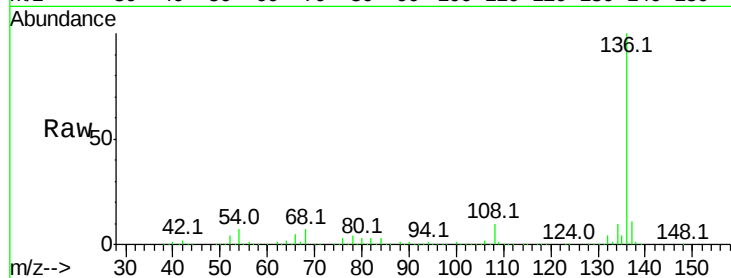
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.4 6.6 9.8

68 6.7 5.0 7.4

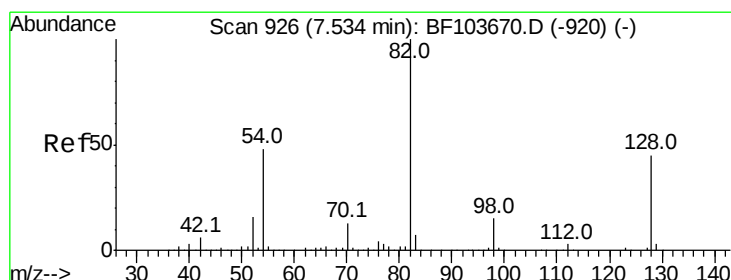
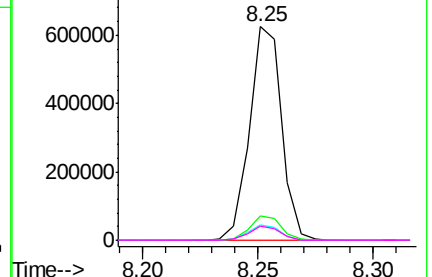
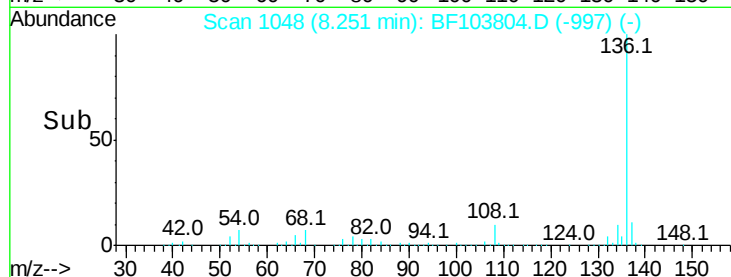


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.032 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

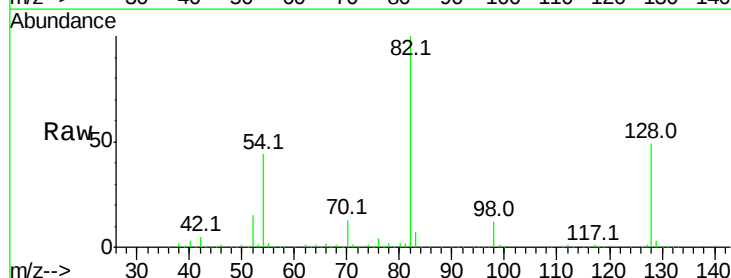
Tgt Ion: 82 Resp: 653007

Ion Ratio Lower Upper

82 100

128 48.8 36.1 54.1

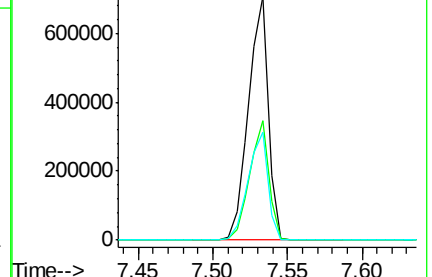
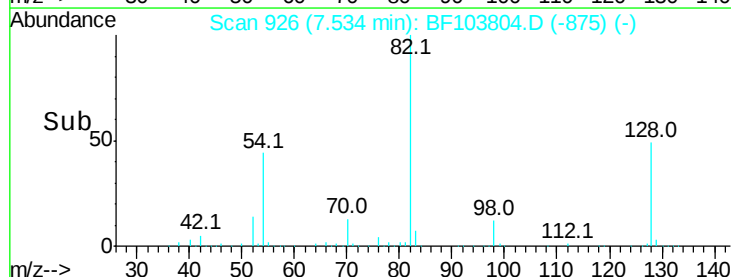
54 44.4 41.4 62.2

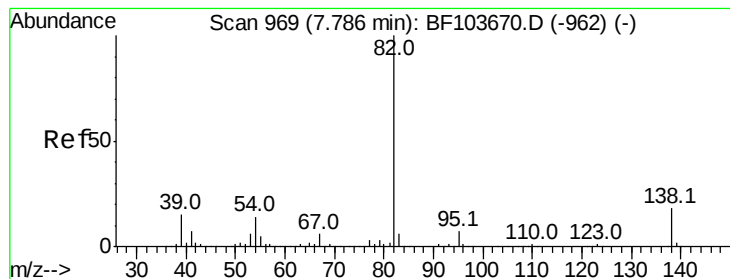


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.322 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampled :

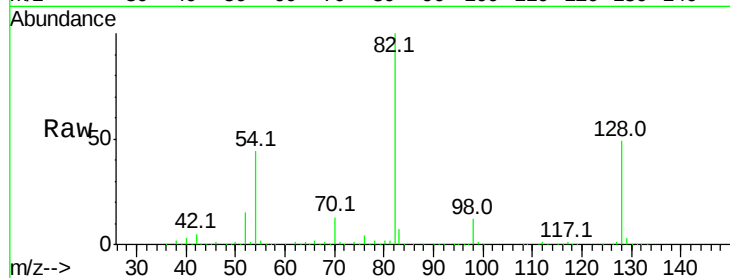
Tot Ion: 82 Resp: 651197

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

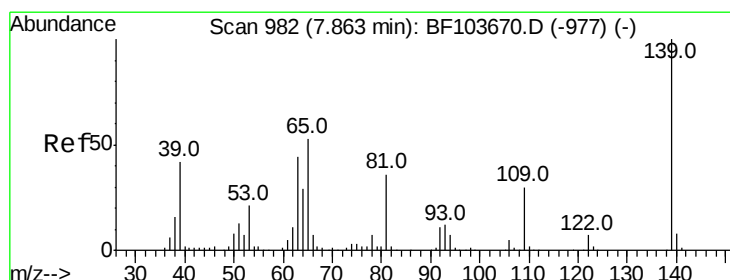
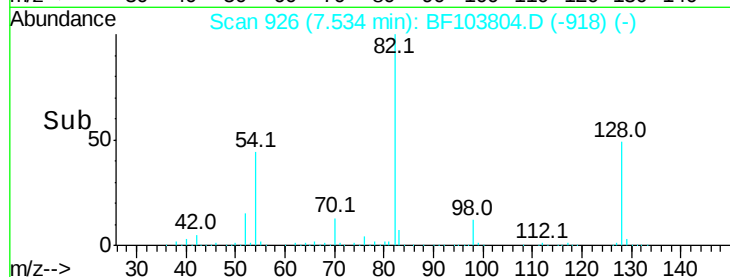
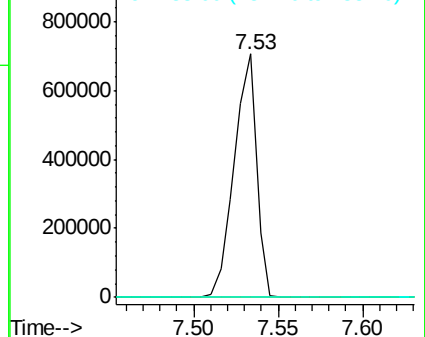
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 9.527 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.04 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

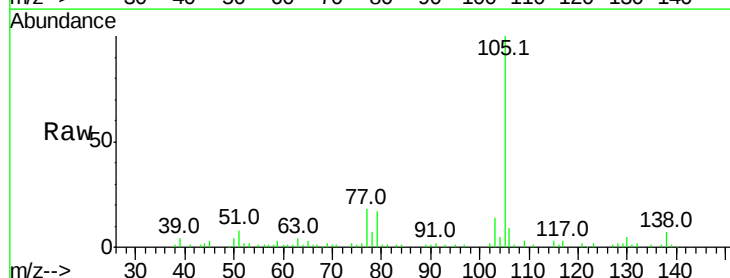
Tgt Ion: 139 Resp: 392

Ion Ratio Lower Upper

139 100

109 413.3 22.7 34.1#

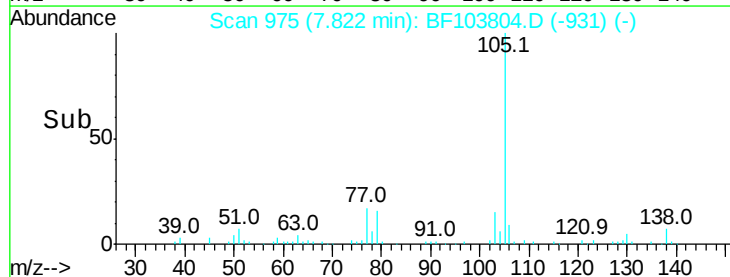
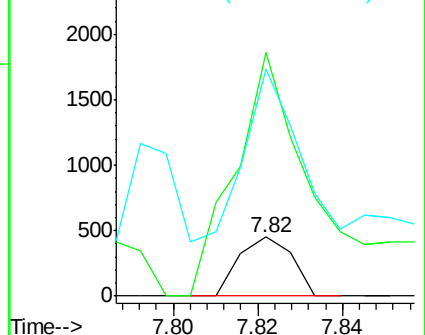
65 385.3 40.5 60.7#

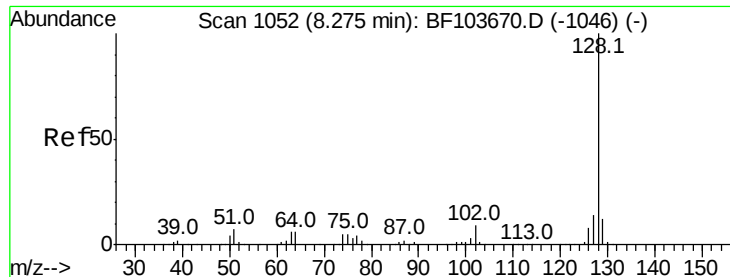


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

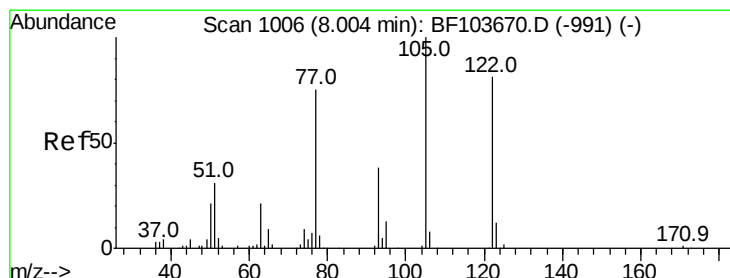
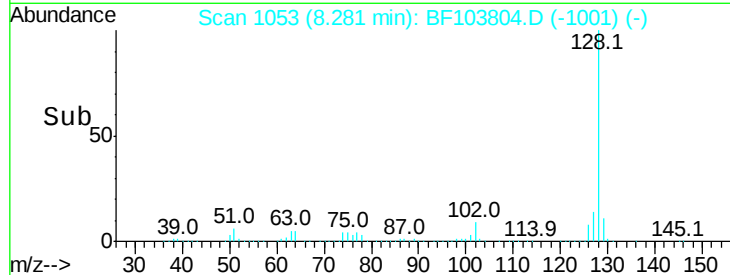
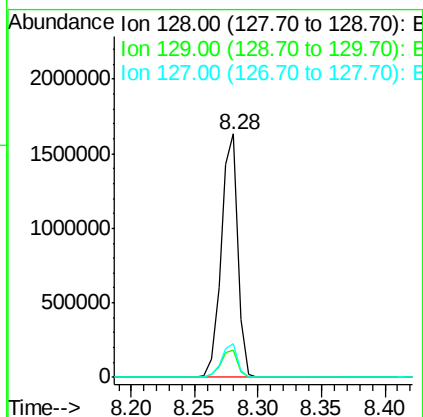
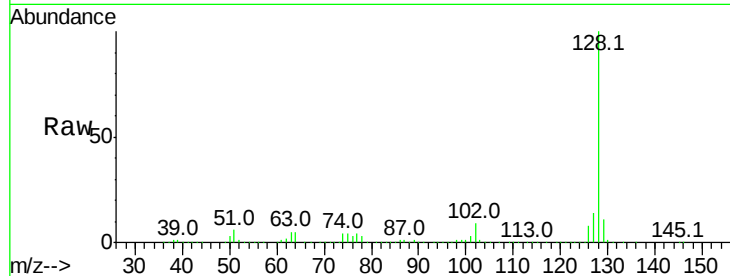




#31
Naphthalene
Concen: 48.667 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

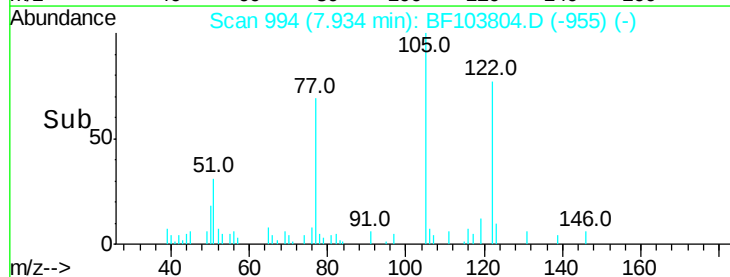
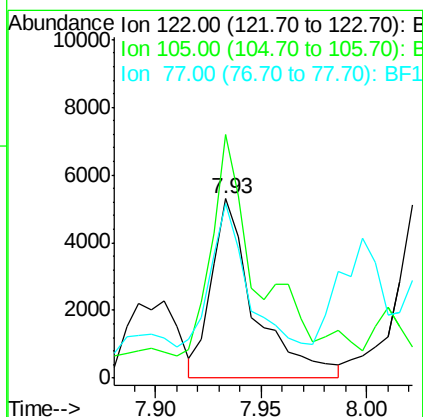
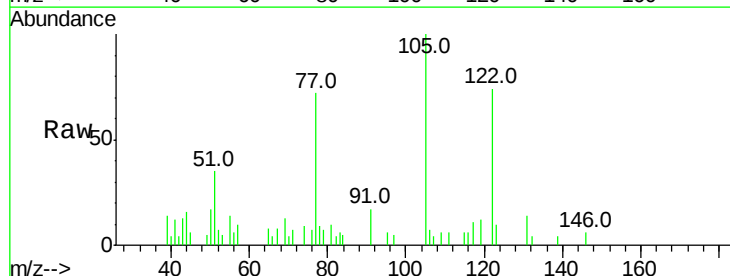
Instrument :
BNA_F
ClientSampled :

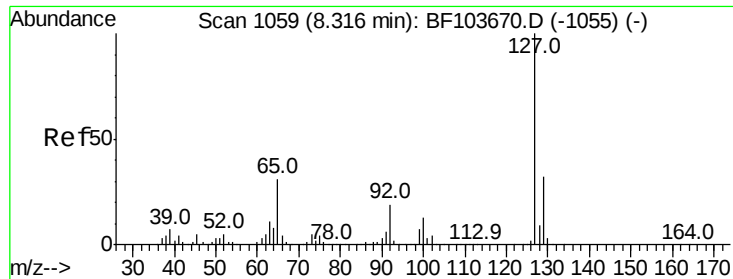
Tot Ion:128 Resp: 1492034
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.7 10.9 16.3



#32
Benzoic acid
Concen: 10.889 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.07 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:122 Resp: 7551
Ion Ratio Lower Upper
122 100
105 135.8 101.1 141.1
77 97.3 70.7 110.7

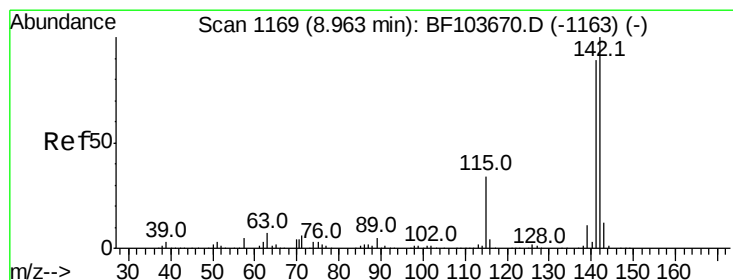
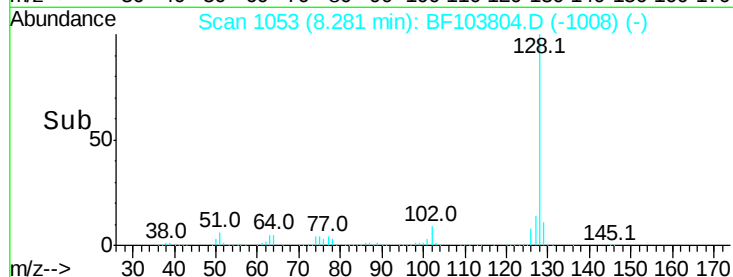
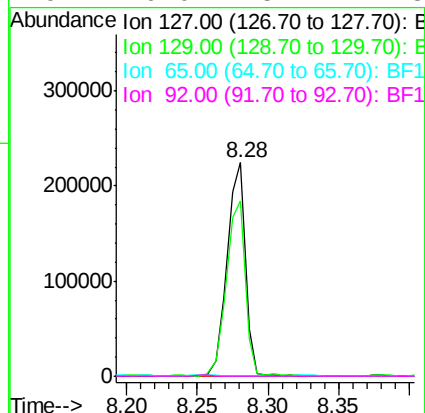
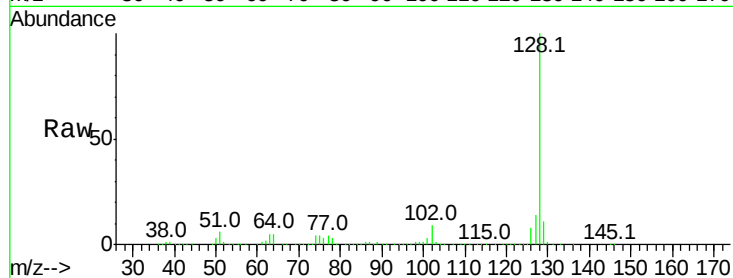




#33
 4-Chloroaniline
 Concen: 15.828 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.04 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

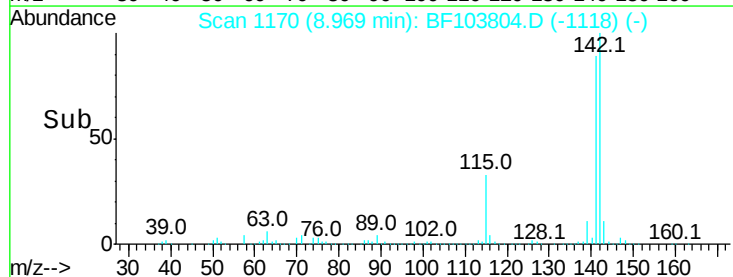
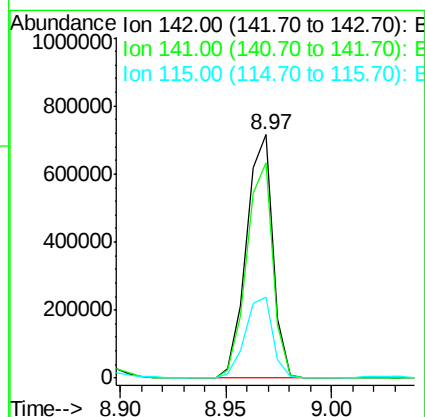
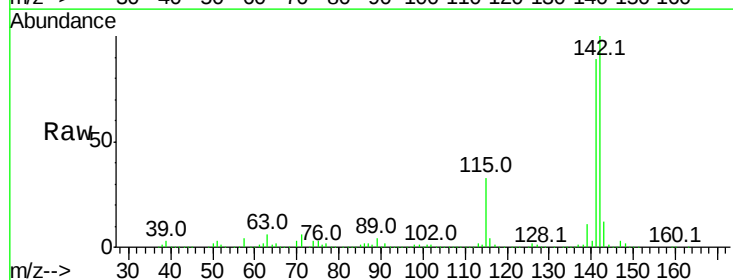
Instrument :
 BNA_F
 ClientSampleId :

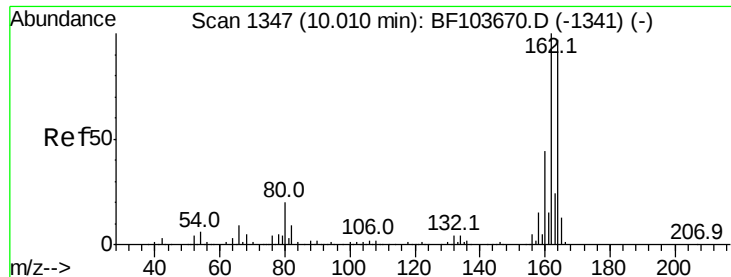
Tot Ion:	127	Resp:	203579
Ion	Ratio	Lower	Upper
127	100		
129	82.4	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
 2-Methylnaphthalene
 Concen: 31.889 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Tgt Ion:	142	Resp:	619980
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2
115	33.2	26.1	39.1

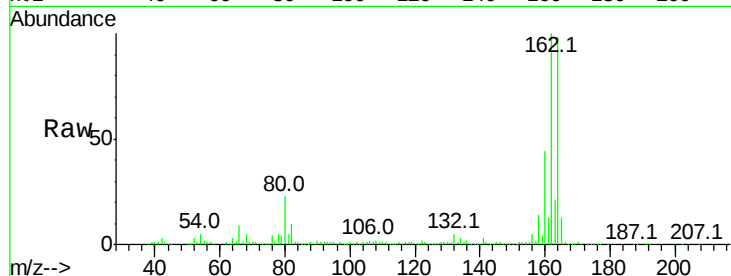




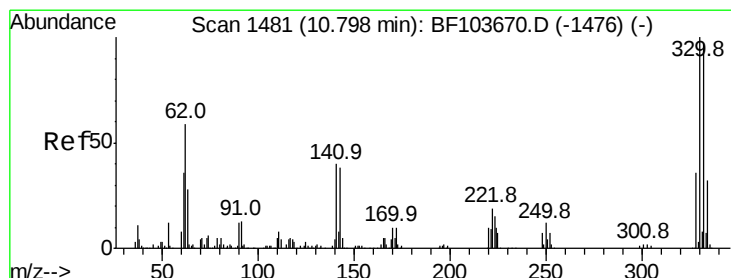
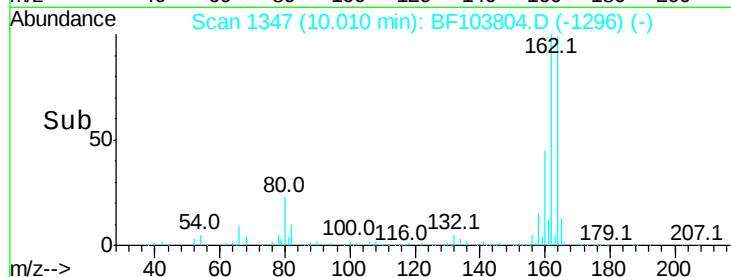
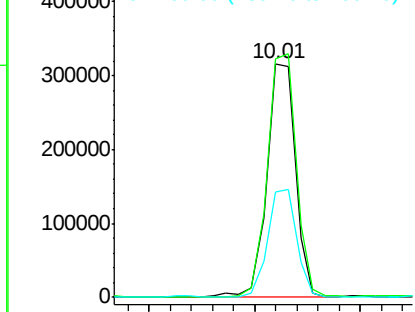
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	45.2	38.3	57.5

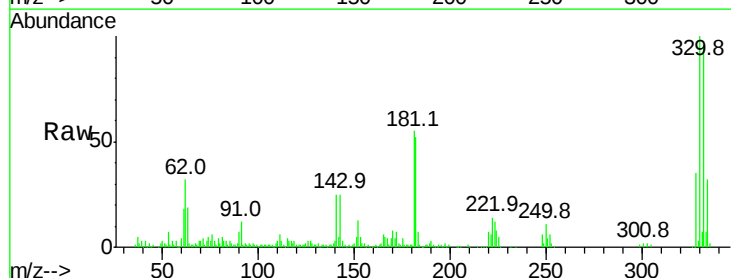


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

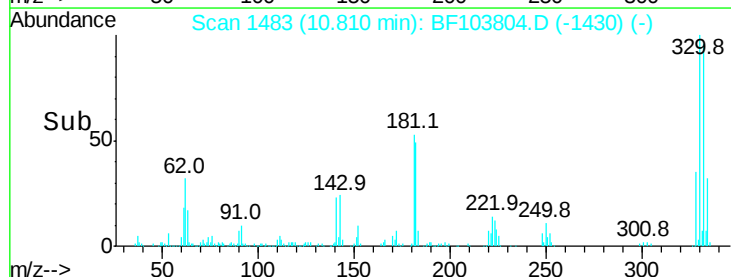
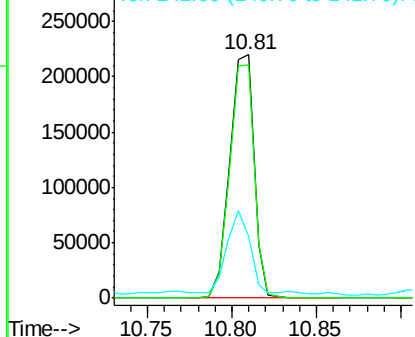


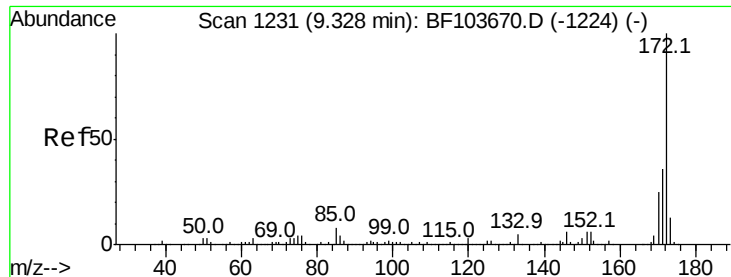
#41
 2,4,6-Tribromophenol
 Concen: 84.899 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	31.4	29.9	44.9



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

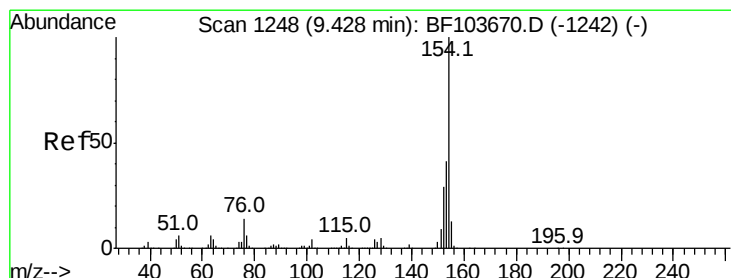
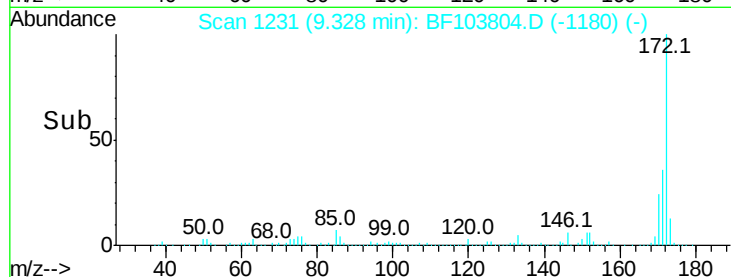
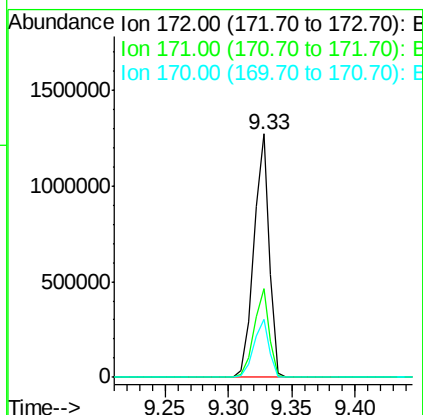
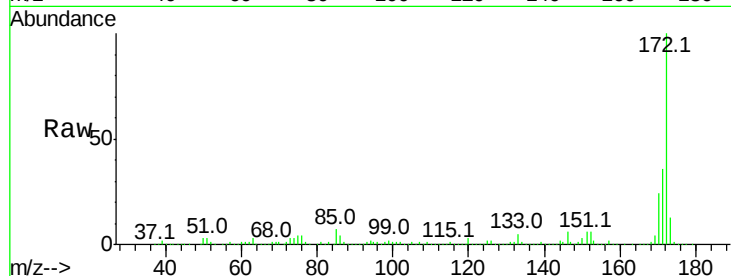




#44
2-Fluorobiphenyl
Concen: 57.542 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

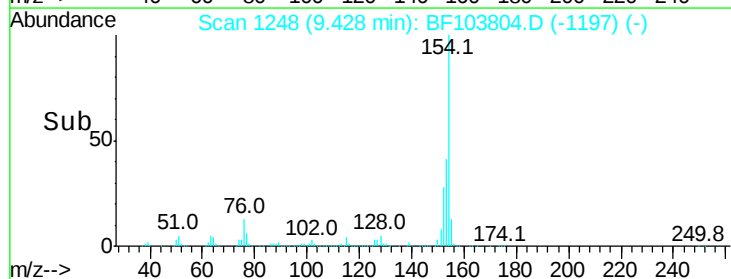
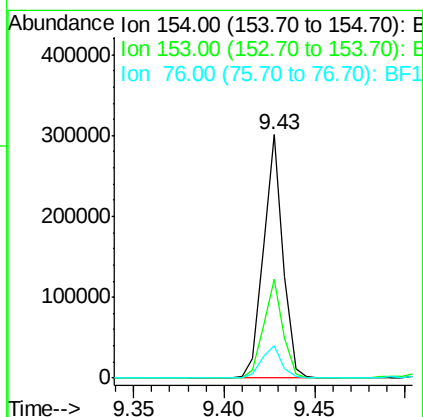
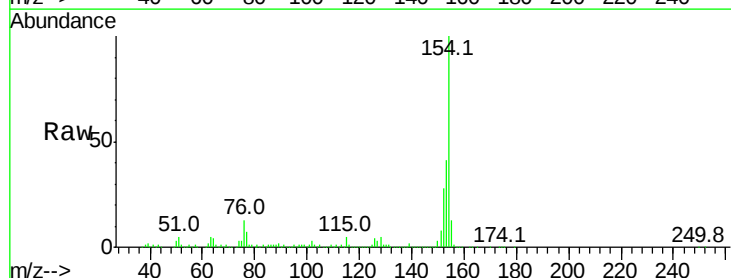
Instrument :
BNA_F
ClientSampleId :

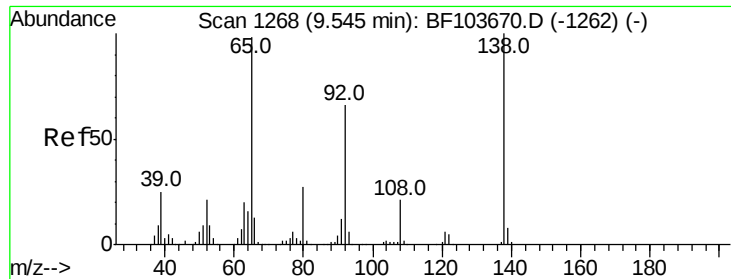
Tot Ion:172 Resp: 1082624
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.1 19.6 29.4



#45
1,1'-Biphenyl
Concen: 8.983 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:154 Resp: 224808
Ion Ratio Lower Upper
154 100
153 40.6 21.3 61.3
76 13.3 0.0 34.0

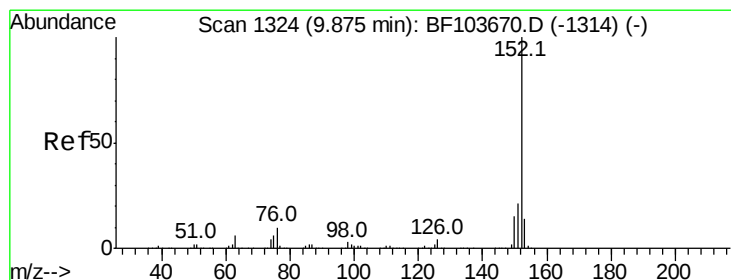
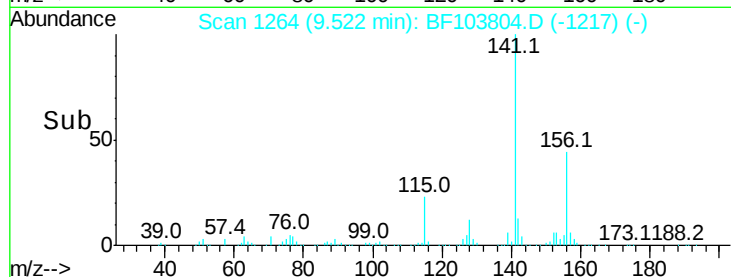
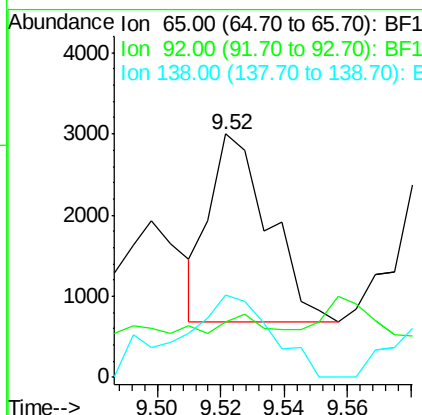
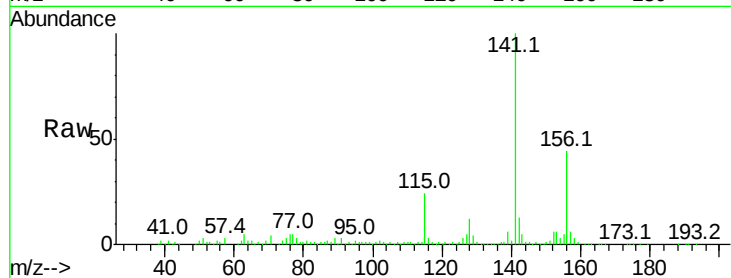




#47
2-Nitroaniline
Concen: 7.304 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

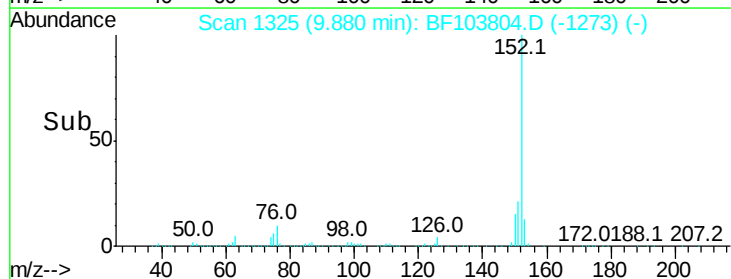
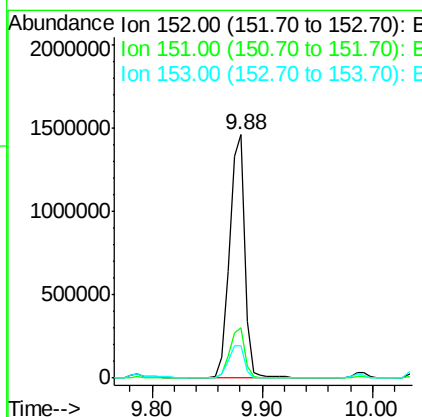
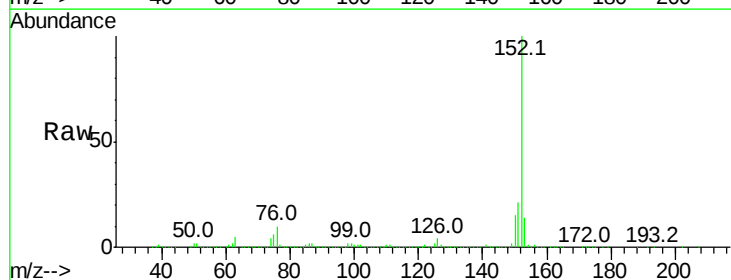
Instrument :
BNA_F
ClientSampleId :

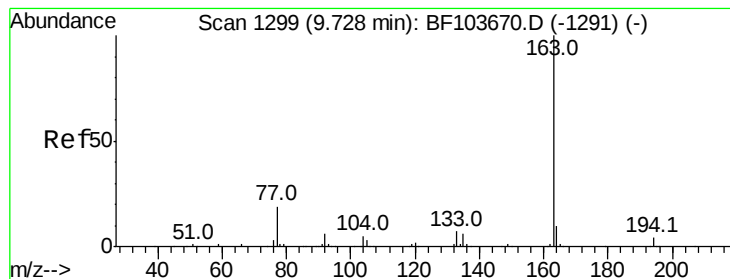
Tot Ion: 65 Resp: 2971
Ion Ratio Lower Upper
65 100
92 23.0 55.8 83.6#
138 34.0 91.2 136.8#



#48
Acenaphthylene
Concen: 46.044 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion: 152 Resp: 1419189
Ion Ratio Lower Upper
152 100
151 20.7 16.3 24.5
153 13.5 10.7 16.1





#49

Dimethylphthalate

Concen: 5.235 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampleId :

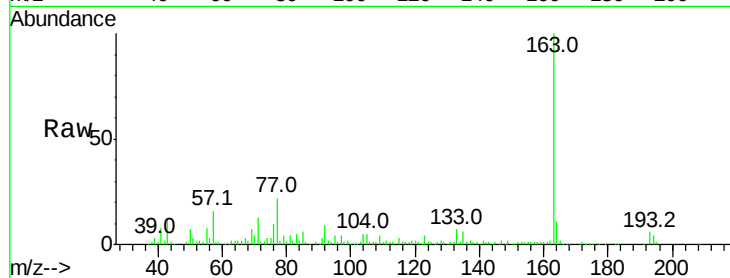
Tot Ion:163 Resp: 119868

Ion Ratio Lower Upper

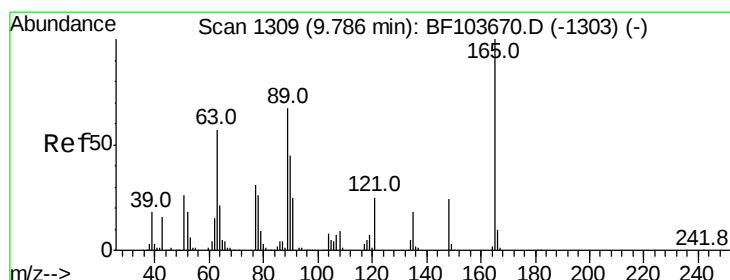
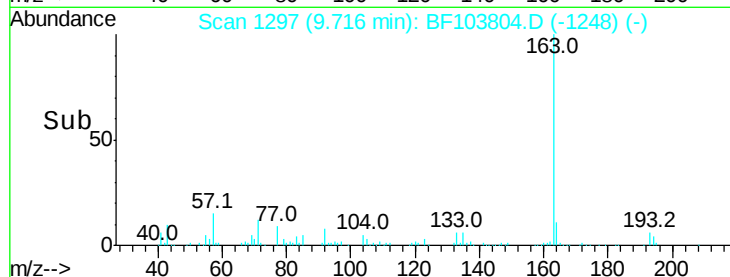
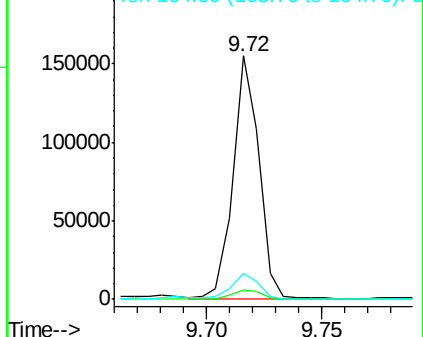
163 100

194 4.0 2.7 4.1

164 10.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 5.120 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.08 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

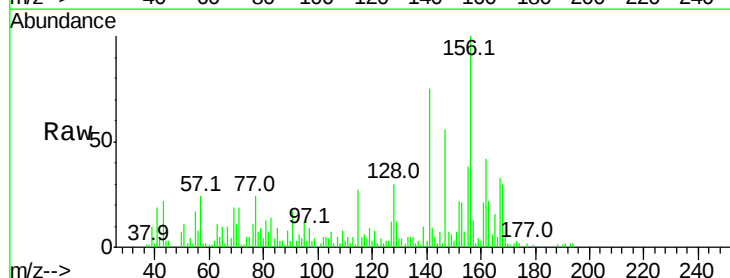
Tgt Ion:165 Resp: 5490

Ion Ratio Lower Upper

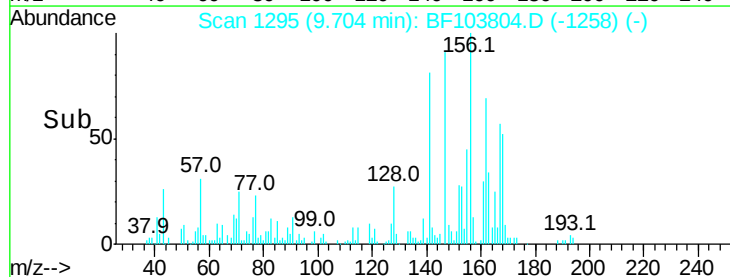
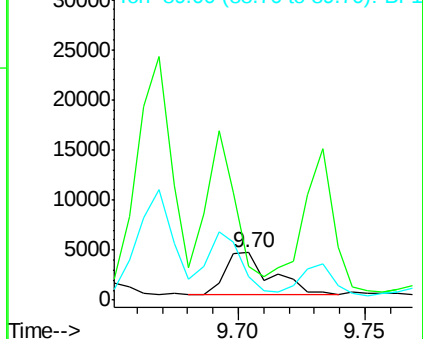
165 100

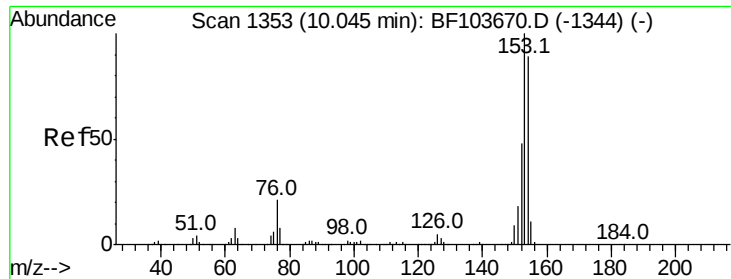
63 70.4 44.7 67.1#

89 50.4 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: 23.976 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampleId :

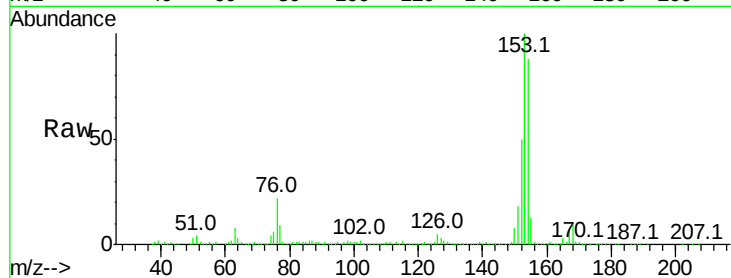
Tot Ion:154 Resp: 438803

Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

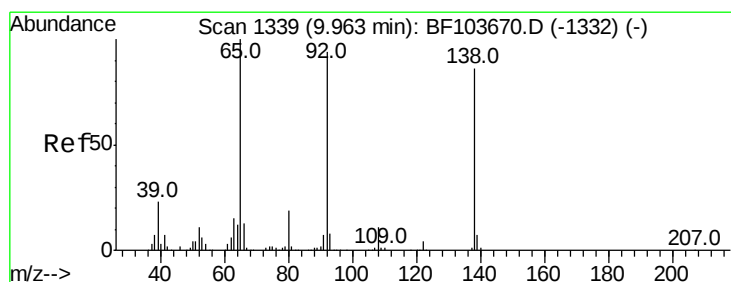
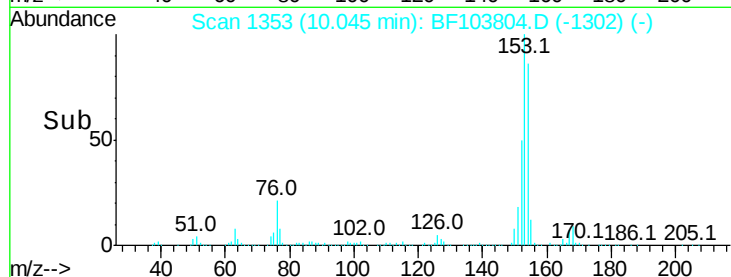
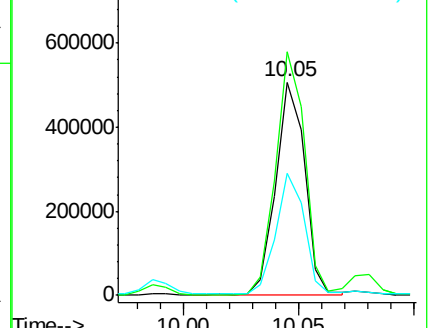
152 57.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.973 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

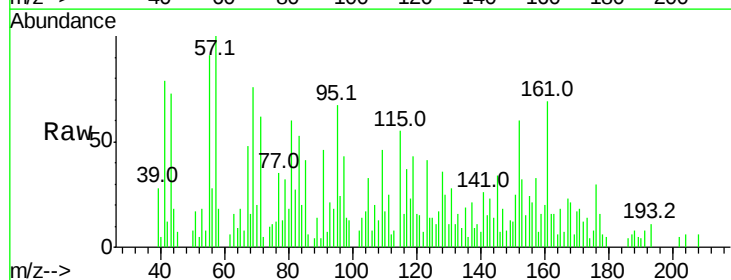
Tgt Ion:138 Resp: 912

Ion Ratio Lower Upper

138 100

108 140.5 9.4 14.0#

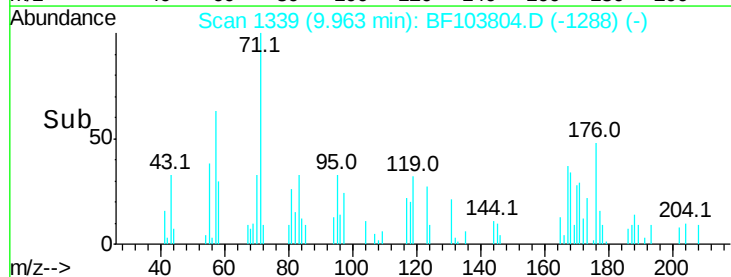
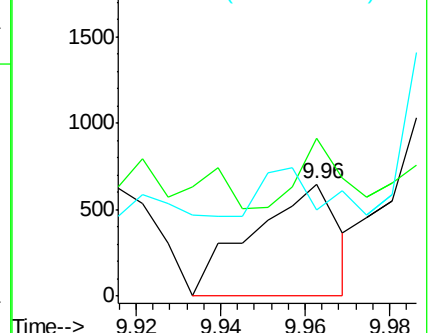
92 76.8 89.4 134.2#

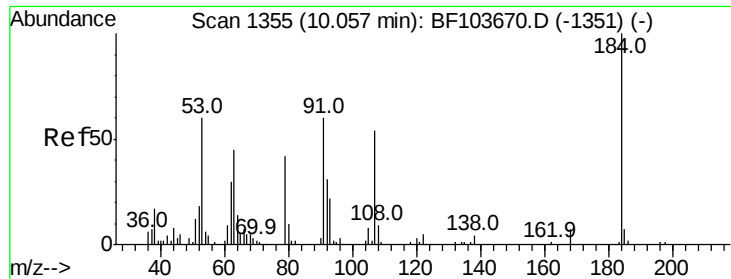


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

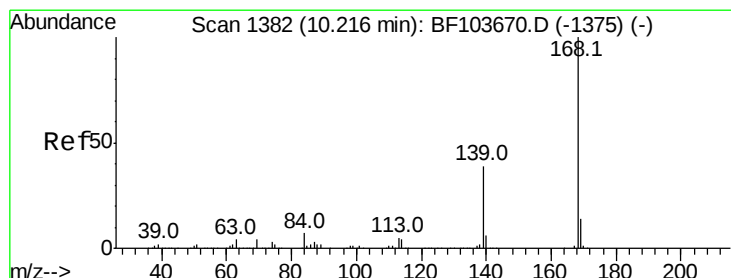
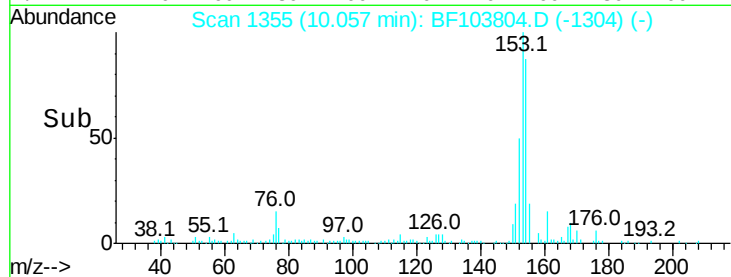
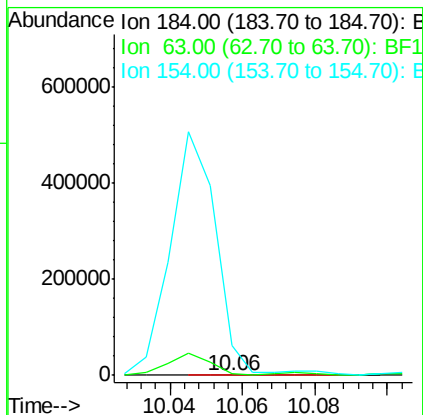
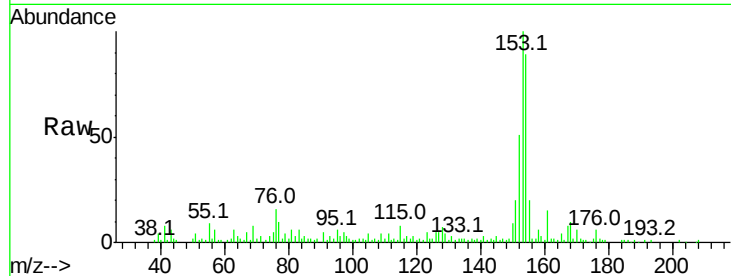




#53
 2,4-Dinitrophenol
 Concen: 6.890 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

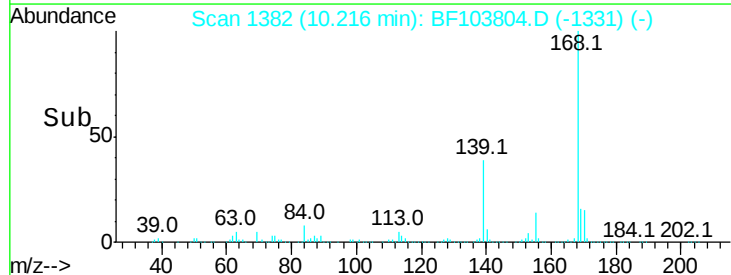
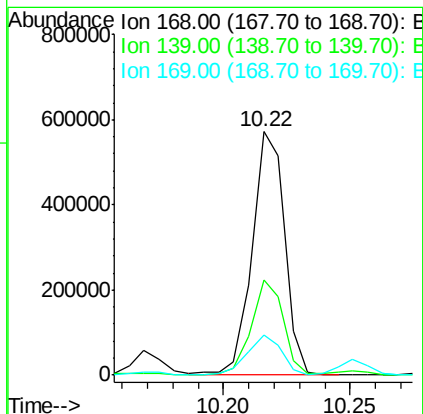
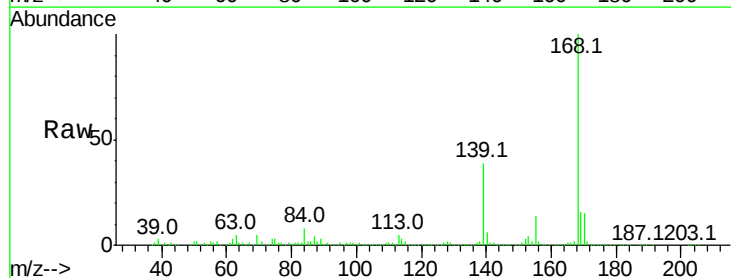
Instrument :
 BNA_F
 ClientSampleId :

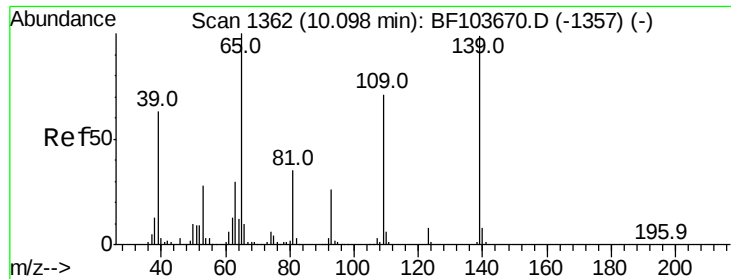
Tot Ion:184 Resp: 347
 Ion Ratio Lower Upper
 184 100
 63 1192.7 54.2 81.2#
 154 17714.9 184.0 276.0#



#54
 Dibenzofuran
 Concen: 19.438 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Tgt Ion:168 Resp: 508093
 Ion Ratio Lower Upper
 168 100
 139 39.2 30.1 45.1
 169 16.4 10.9 16.3#

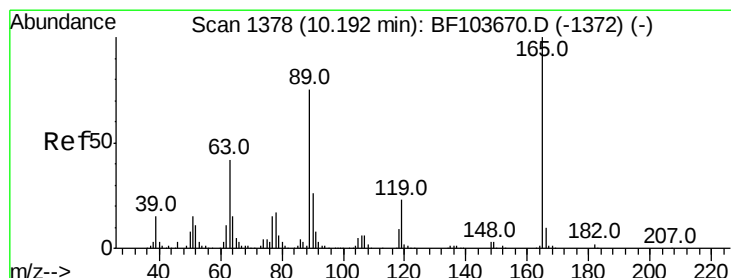
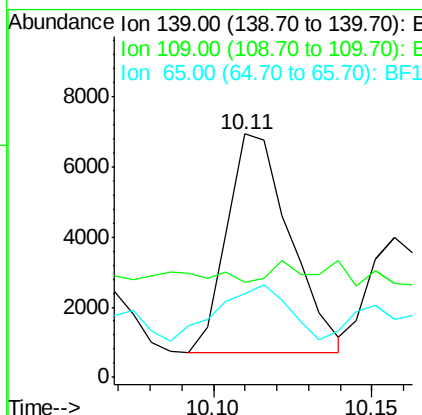
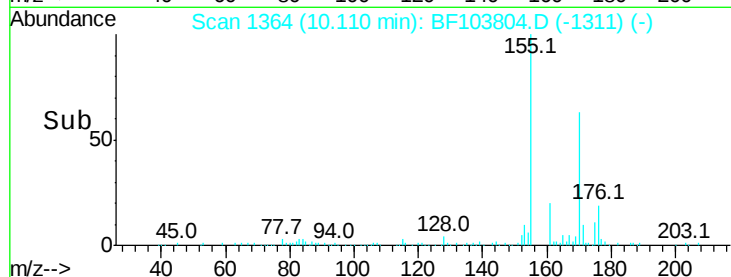
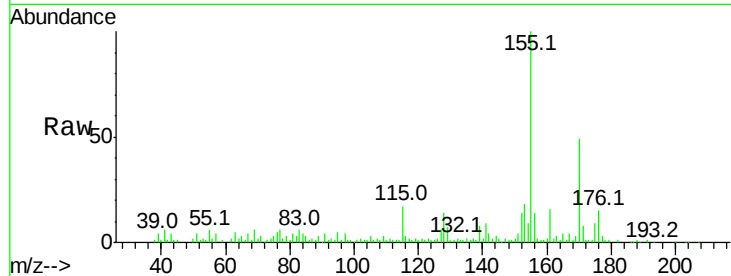




#55
4-Nitrophenol
Concen: 6.904 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

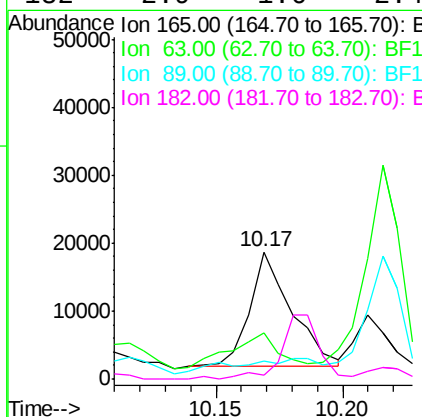
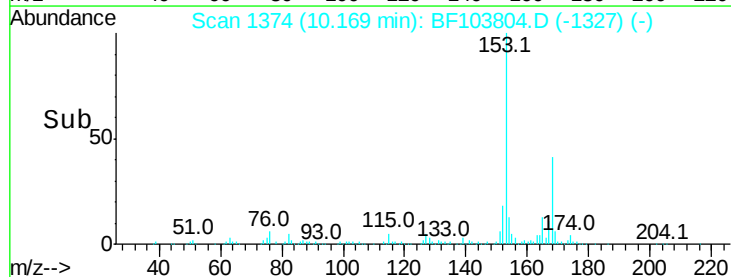
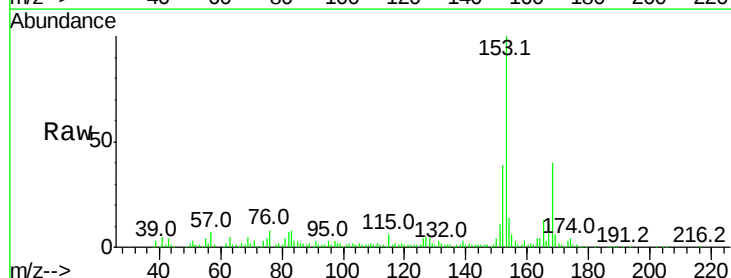
Instrument :
BNA_F
ClientSampled :

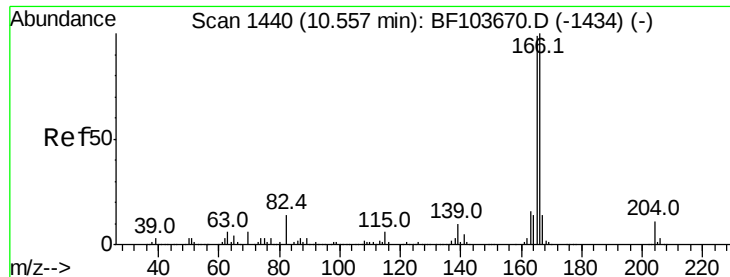
Tot Ion:139 Resp: 8646
Ion Ratio Lower Upper
139 100
109 39.0 48.4 88.4#
65 34.3 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.206 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:165 Resp: 19290
Ion Ratio Lower Upper
165 100
63 36.3 36.4 54.6#
89 14.0 57.8 86.6#
182 2.9 1.6 2.4#





#57

Fluorene

Concen: 49.271 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampled :

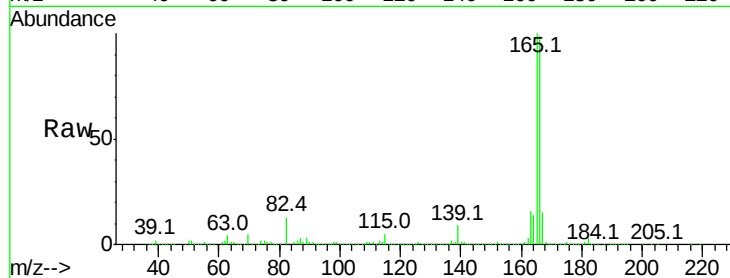
Tot Ion:166 Resp: 999353

Ion Ratio Lower Upper

166 100

165 100.9 79.8 119.8

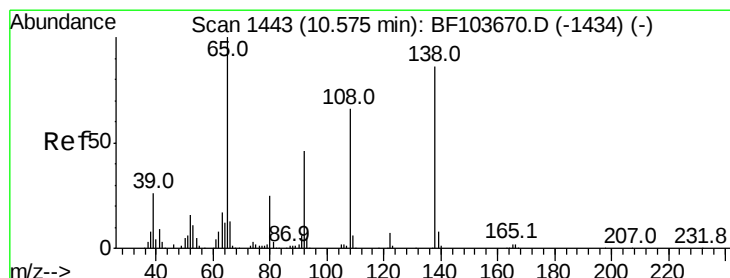
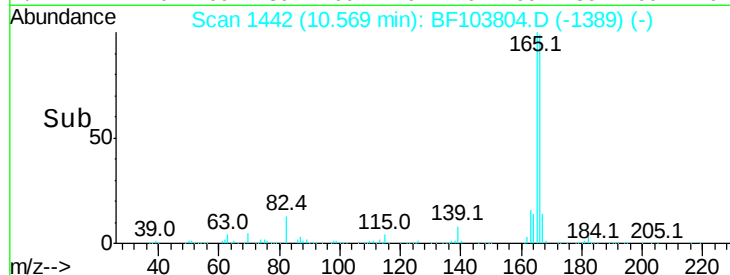
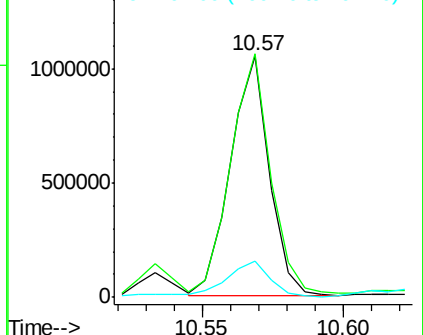
167 14.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#61

4-Nitroaniline

Concen: 3.929 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.04 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

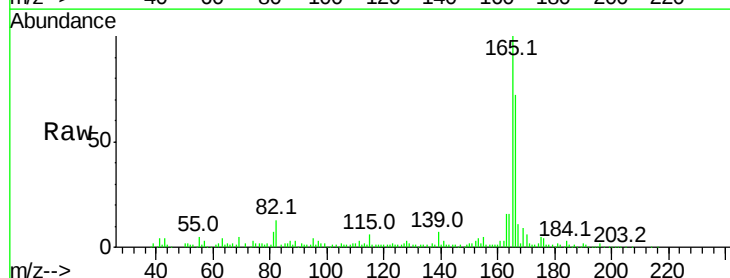
Tgt Ion:138 Resp: 995

Ion Ratio Lower Upper

138 100

92 56.0 30.2 70.2

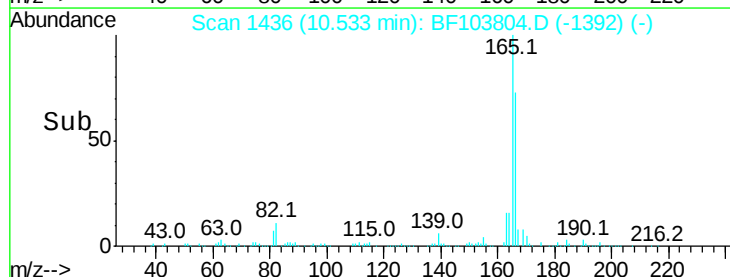
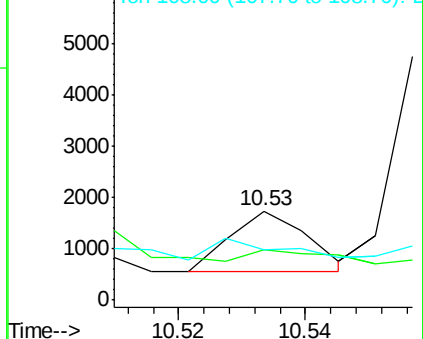
108 56.9 52.5 92.5

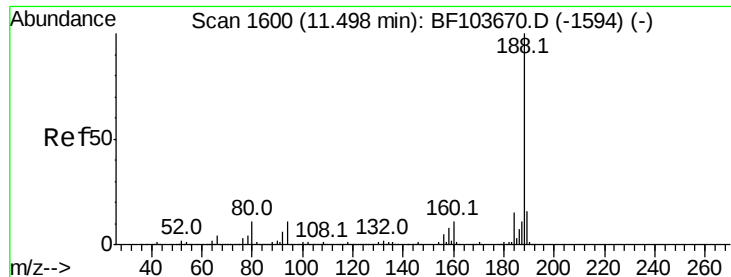


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

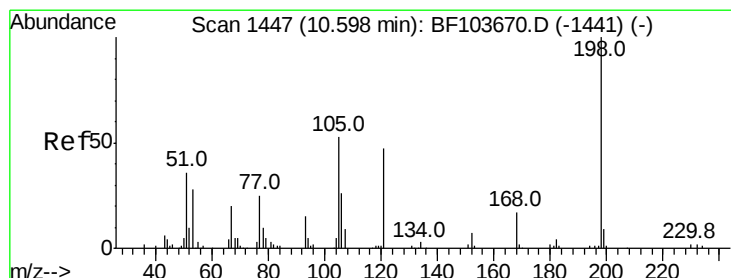
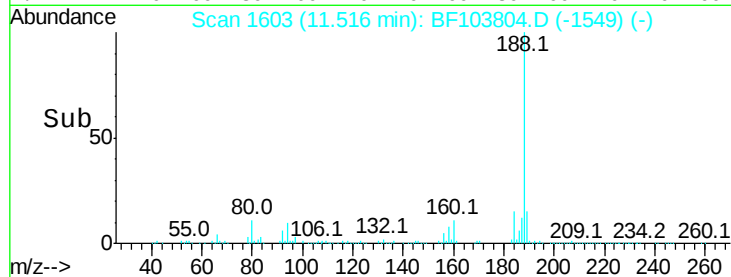
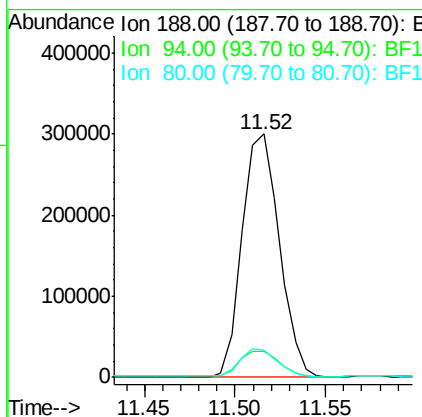
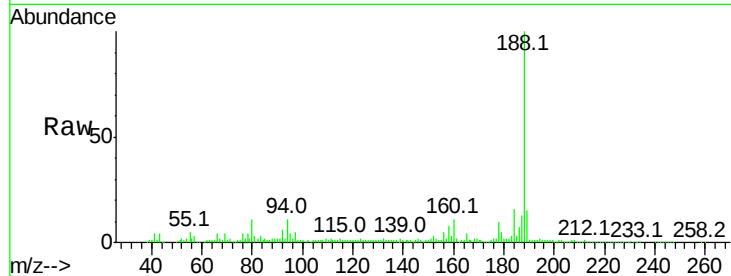




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.02 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

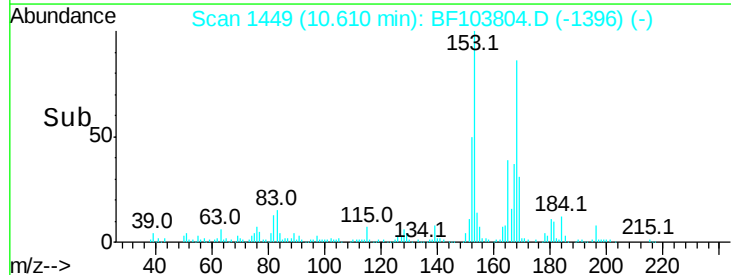
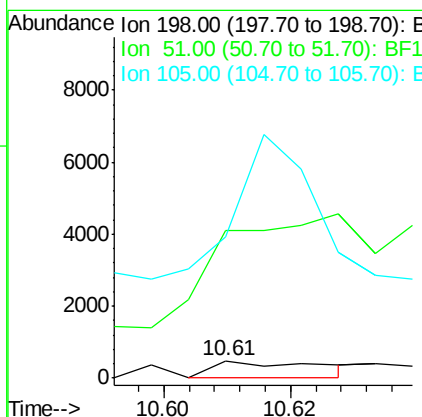
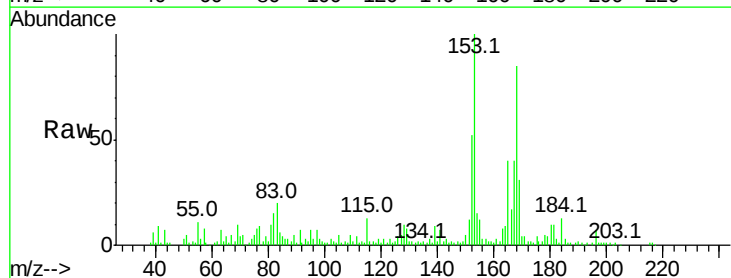
Instrument :
BNA_F
ClientSampleId :

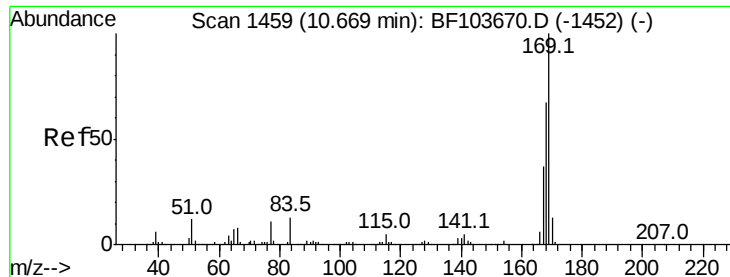
Tot Ion:188 Resp: 428598
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.509 ng
RT: 10.61 min Scan# 1449
Delta R.T. 0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:198 Resp: 561
Ion Ratio Lower Upper
198 100
51 854.3 37.7 77.7#
105 814.8 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 2.756 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampleId :

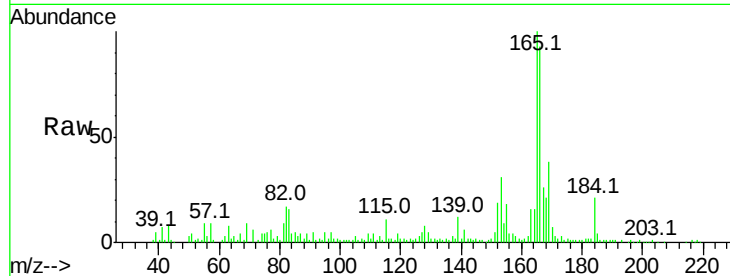
Tot Ion:169 Resp: 40210

Ion Ratio Lower Upper

169 100

168 55.5 54.4 81.6

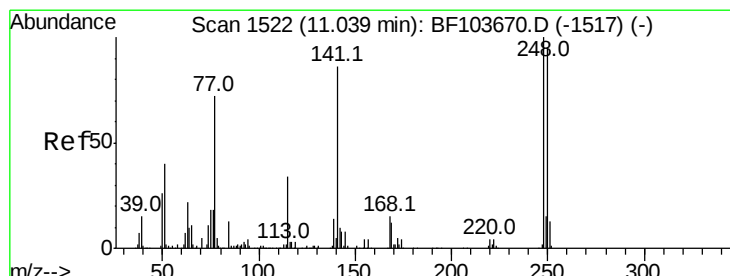
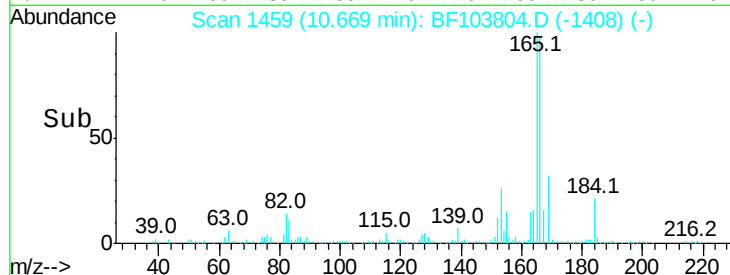
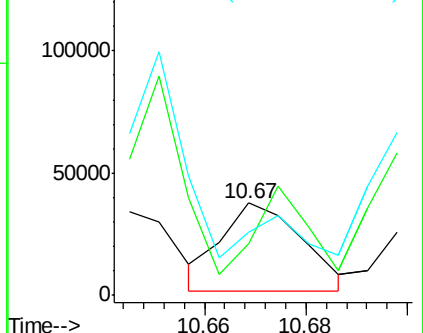
167 68.6 29.8 44.6#



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



#66

4-Bromophenyl-phenylether

Concen: 2.962 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

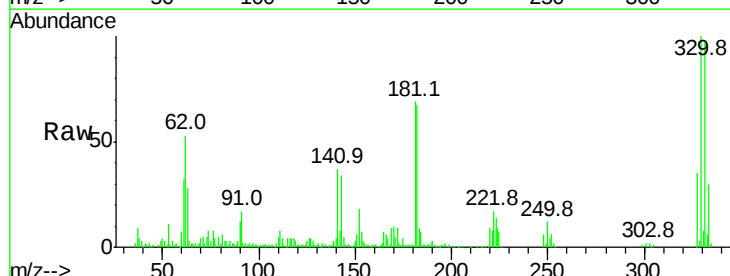
Tgt Ion:248 Resp: 13034

Ion Ratio Lower Upper

248 100

250 204.5 76.9 115.3#

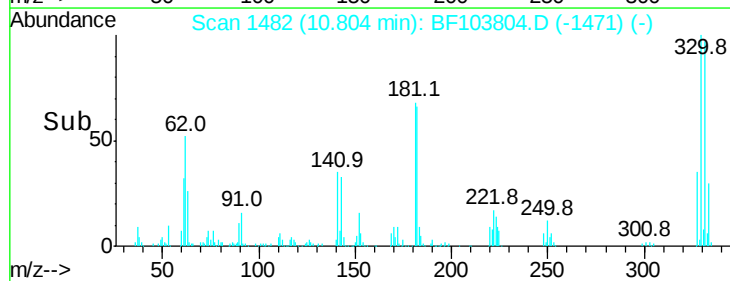
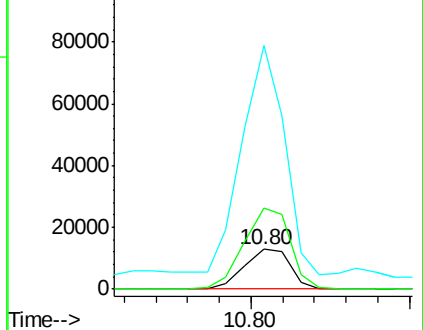
141 613.1 74.4 111.6#

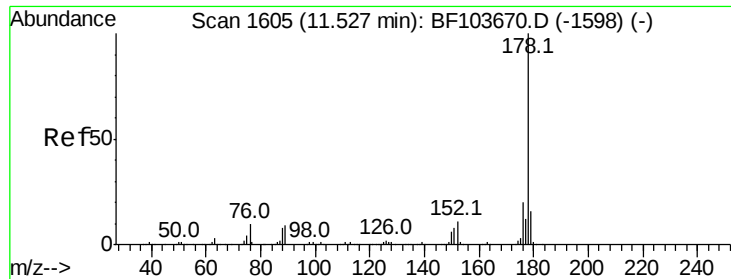


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

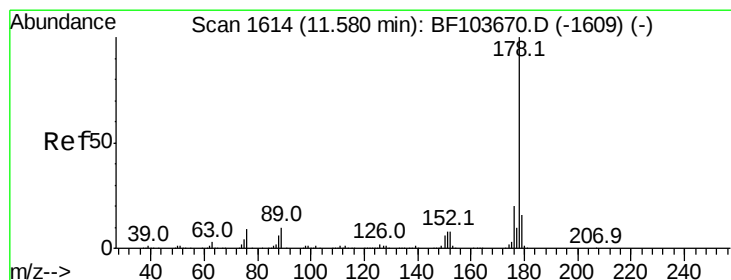
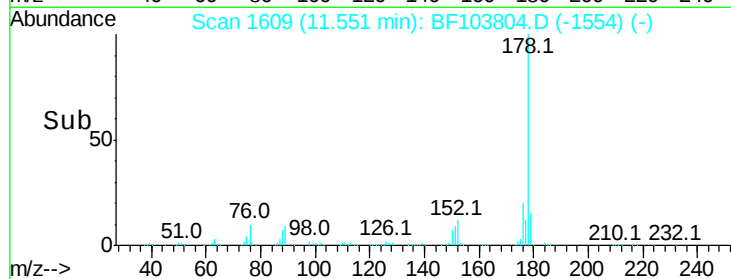
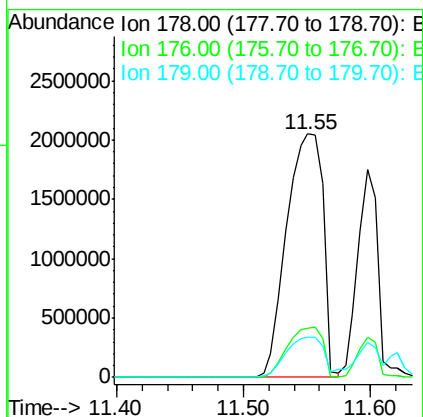
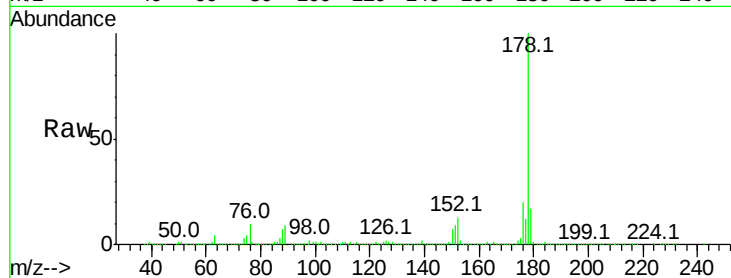




#70
Phenanthrene
Concen: 173.585 ng
RT: 11.55 min Scan# 1609
Delta R.T. 0.02 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

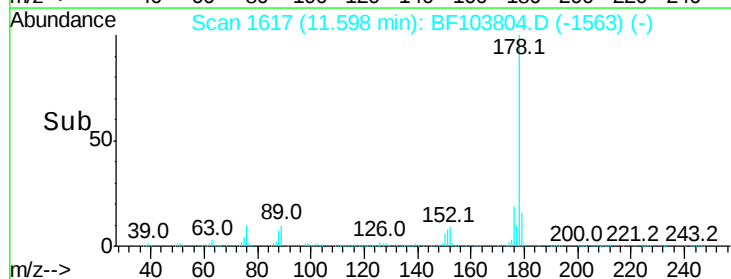
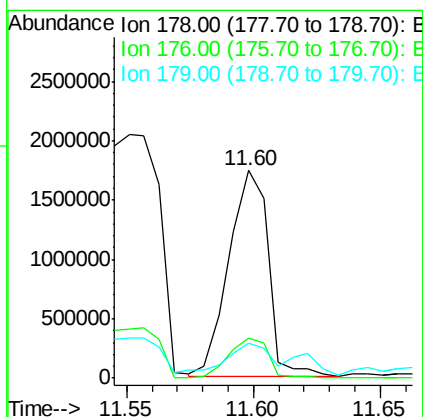
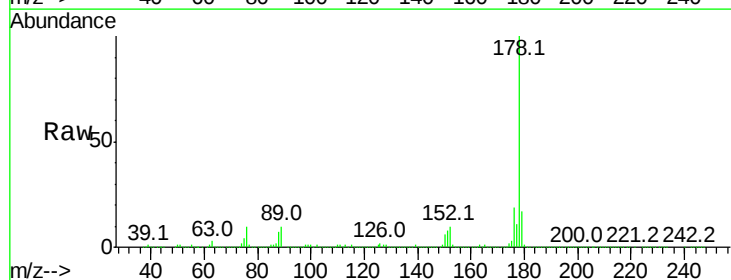
Instrument :
BNA_F
ClientSampleId :

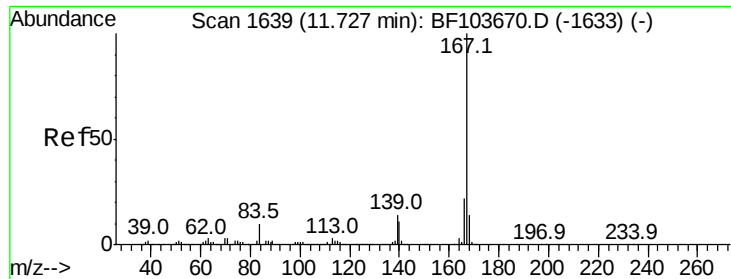
Tot Ion:178 Resp: 4069757
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 16.5 13.0 19.6



#71
Anthracene
Concen: 78.704 ng
RT: 11.60 min Scan# 1617
Delta R.T. 0.02 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:178 Resp: 1874124
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 16.6 12.6 19.0

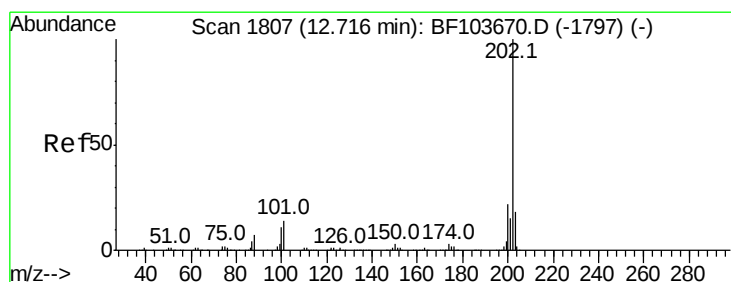
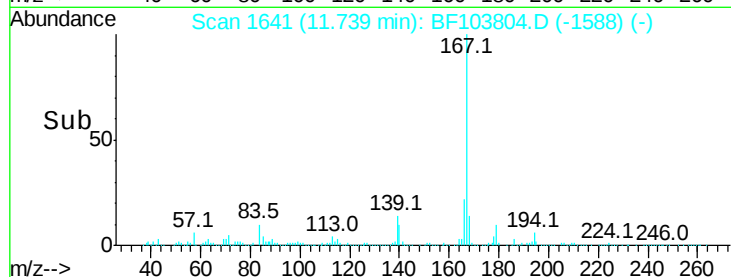
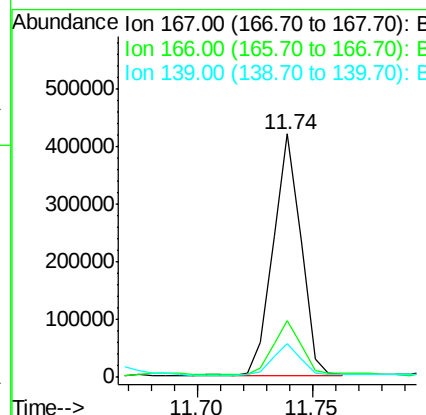
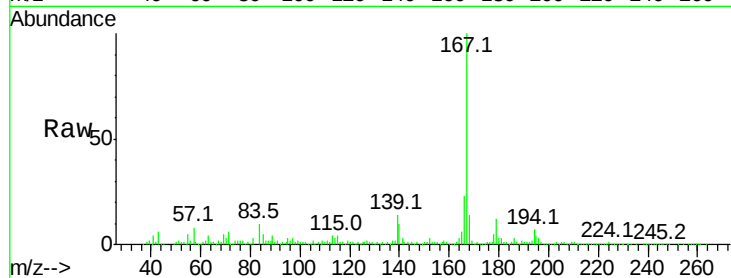




#72
 Carbazole
 Concen: 15.104 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

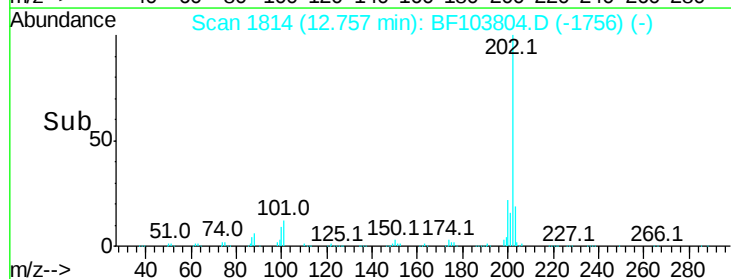
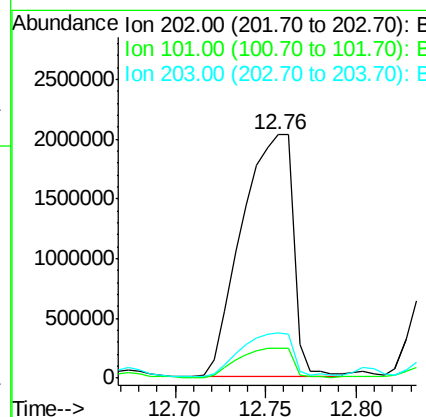
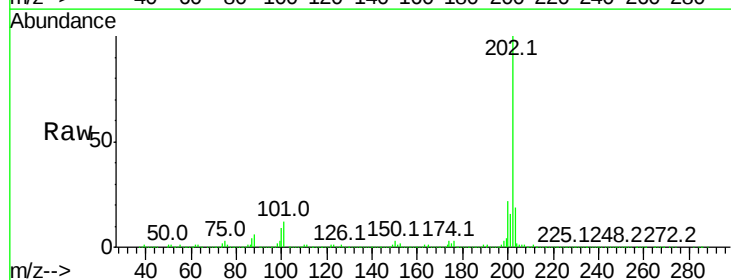
Instrument :
 BNA_F
 ClientSampled :

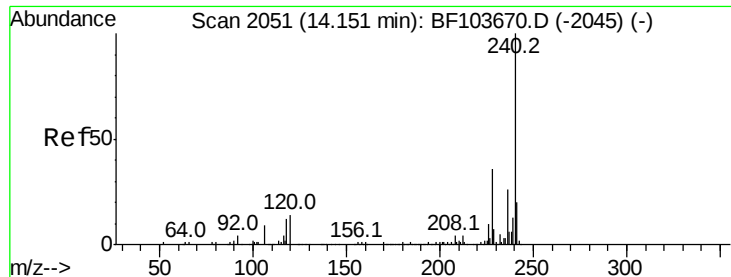
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.6	26.4
139	14.1	10.9	16.3



#74
 Fluoranthene
 Concen: 165.439 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.04 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2058

Delta R.T. 0.04 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampleId :

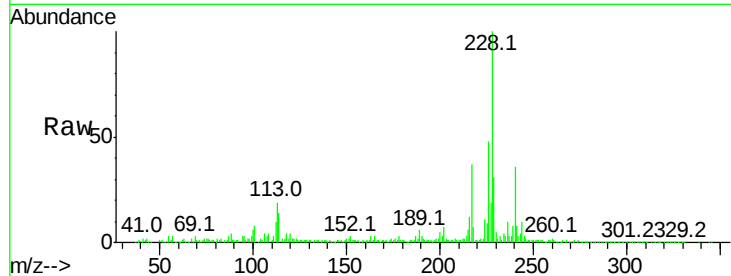
Tot Ion:240 Resp: 202657

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

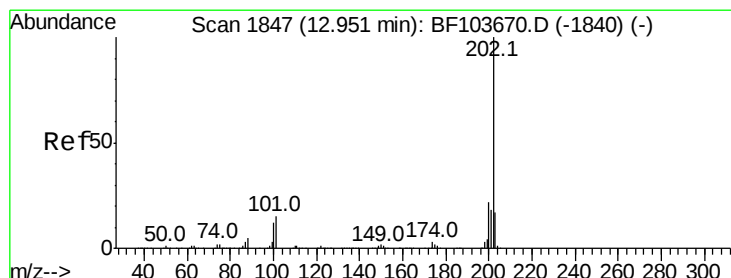
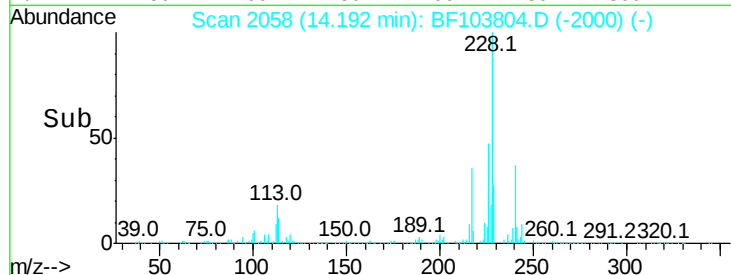
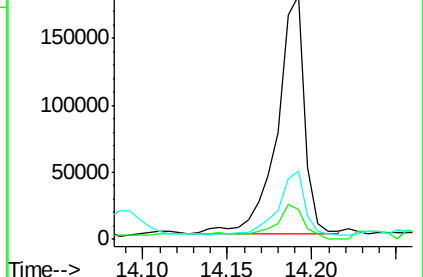
236 27.9 20.7 31.1



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: 272.031 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.05 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

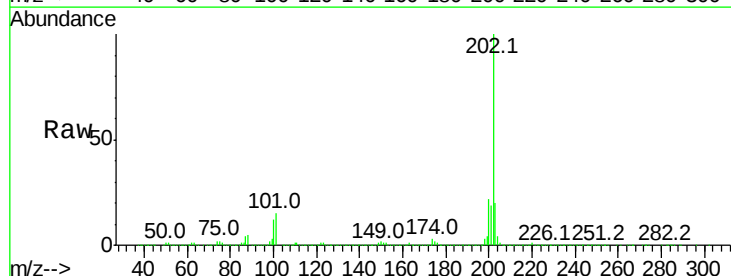
Tgt Ion:202 Resp: 4048639

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

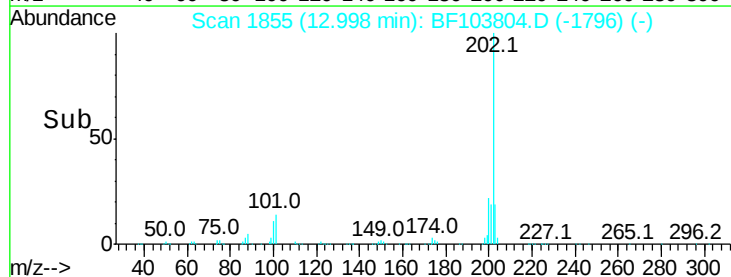
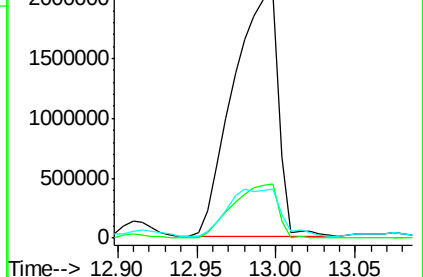
203 20.3 14.3 21.5

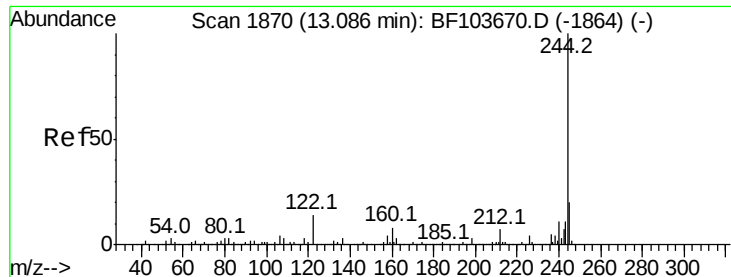


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 87.083 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.02 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampleId :

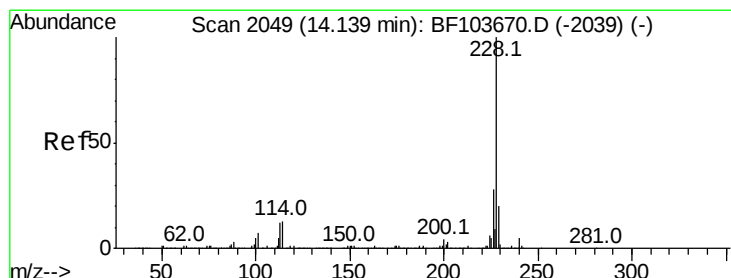
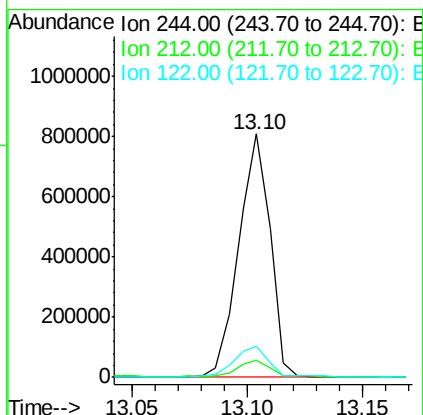
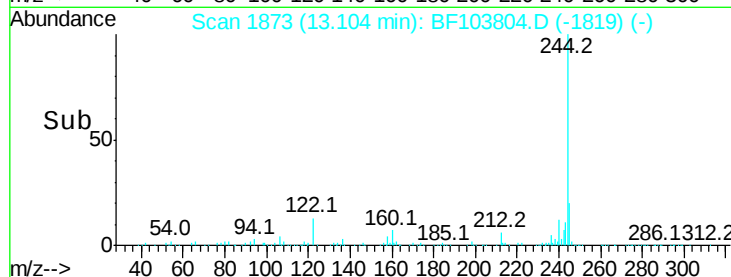
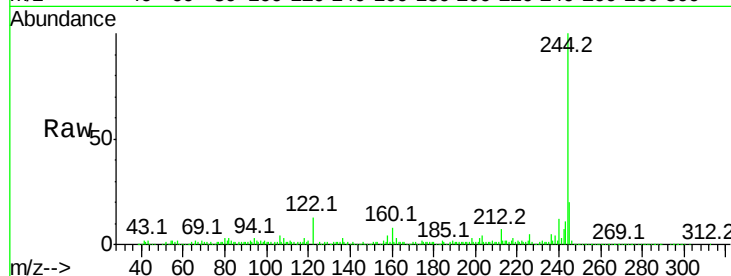
Tot Ion:244 Resp: 760313

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 13.0 11.0 16.4



#80

Benzo(a)anthracene

Concen: 211.430 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.04 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

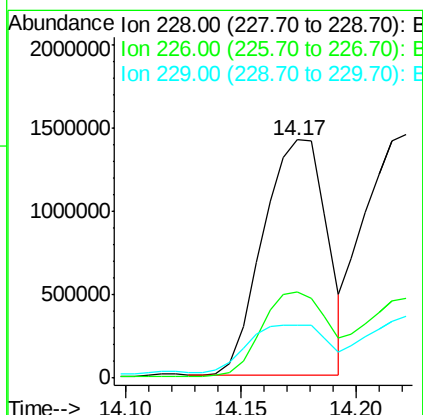
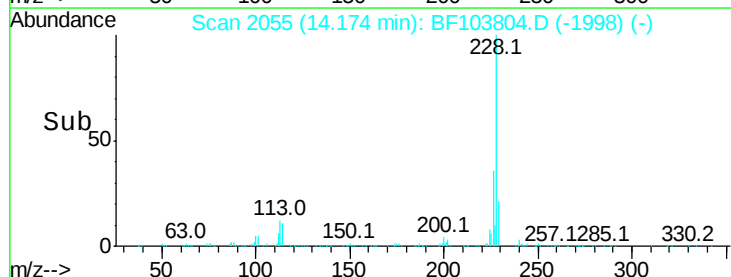
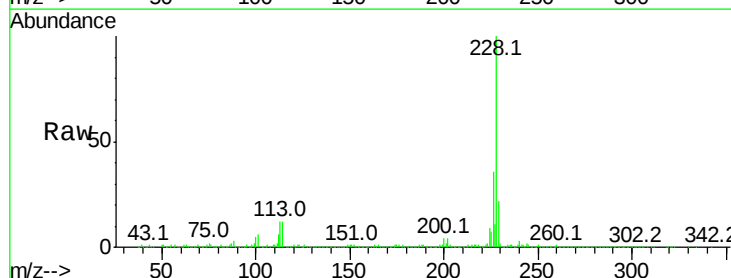
Tgt Ion:228 Resp: 2712253

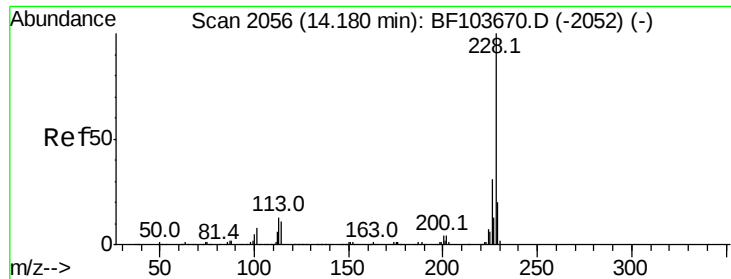
Ion Ratio Lower Upper

228 100

226 36.2 22.6 33.8#

229 22.0 15.8 23.6

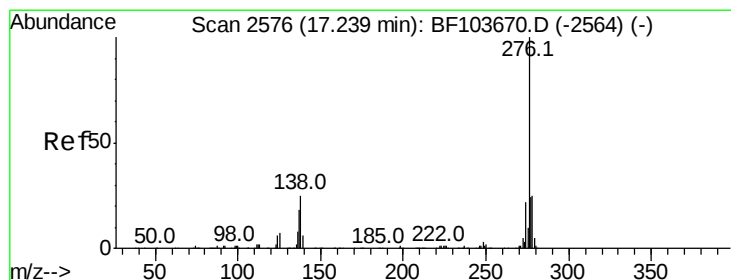
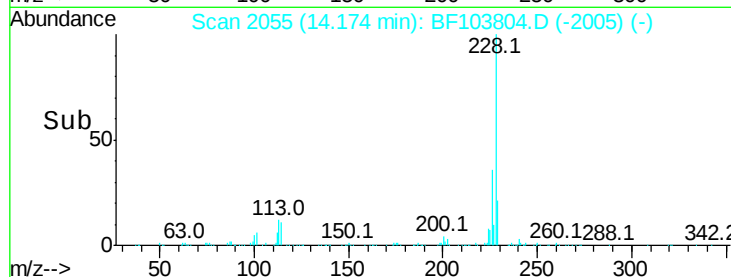
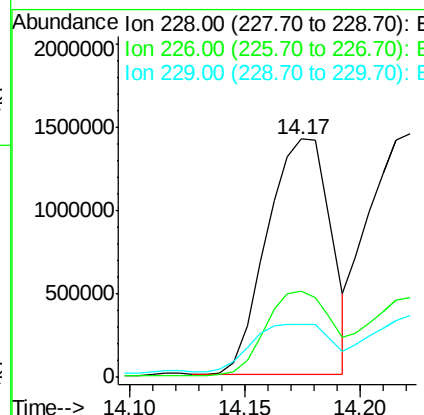
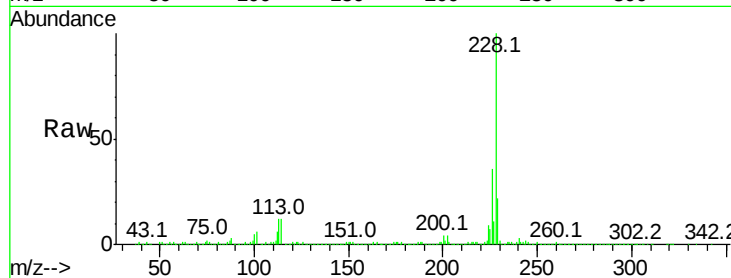




#82
Chrysene
Concen: 221.798 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

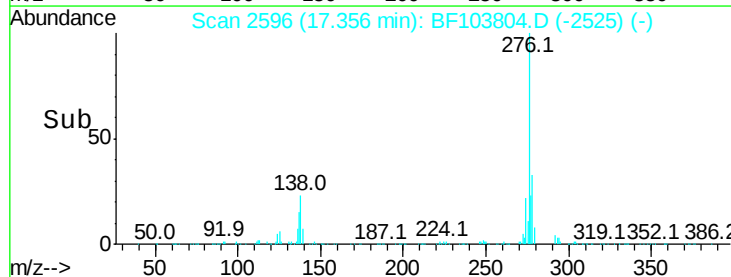
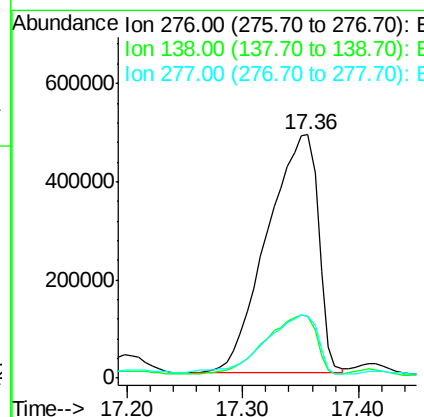
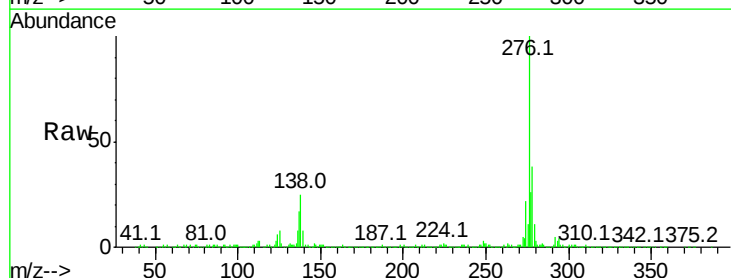
Instrument :
BNA_F
ClientSampleId :

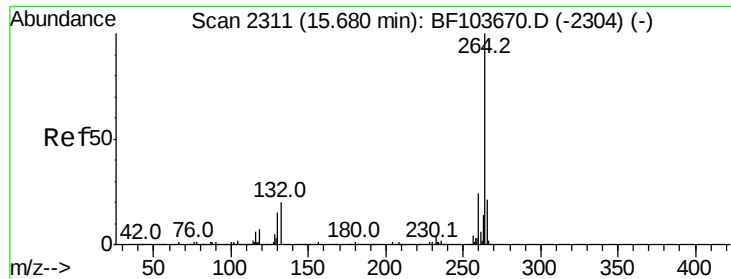
Tot Ion:228 Resp: 2712253
Ion Ratio Lower Upper
228 100
226 36.2 25.0 37.6
229 22.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 139.627 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.12 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:276 Resp: 1491082
Ion Ratio Lower Upper
276 100
138 24.6 25.0 37.6#
277 26.0 20.1 30.1

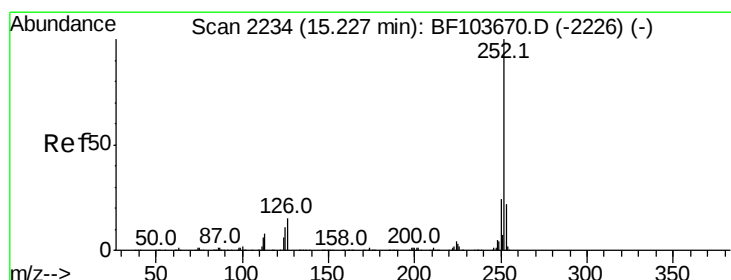
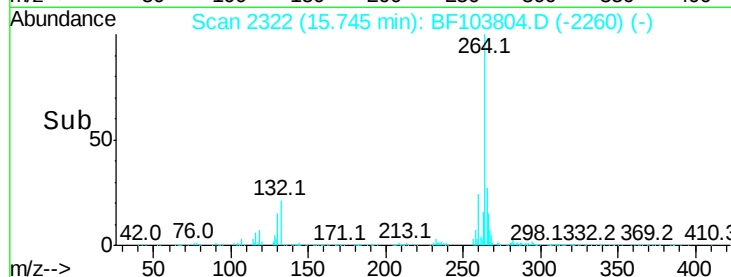
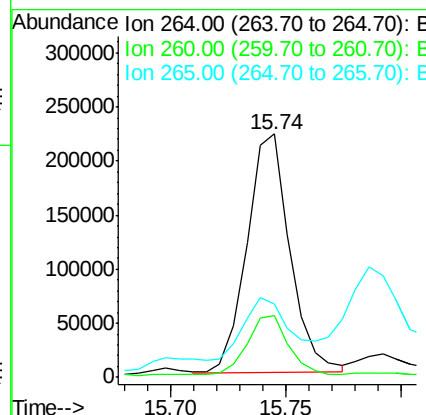
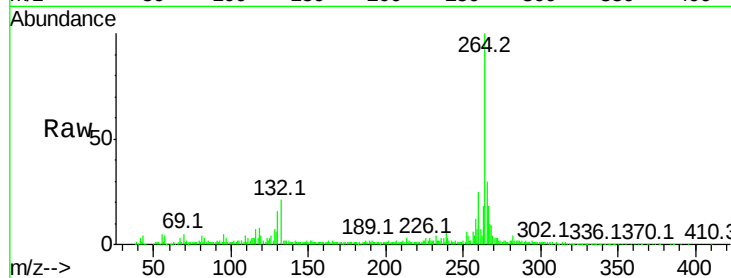




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.74 min Scan# 2322
 Delta R.T. 0.06 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

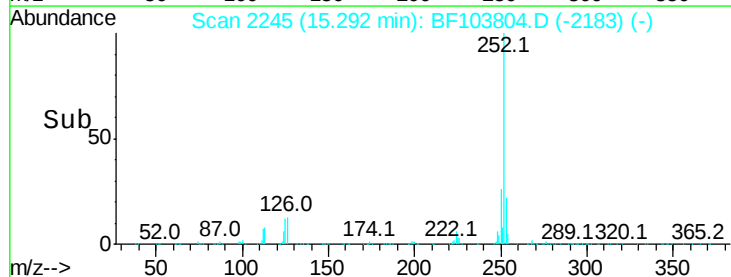
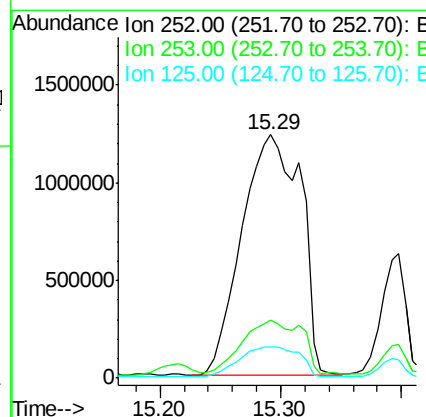
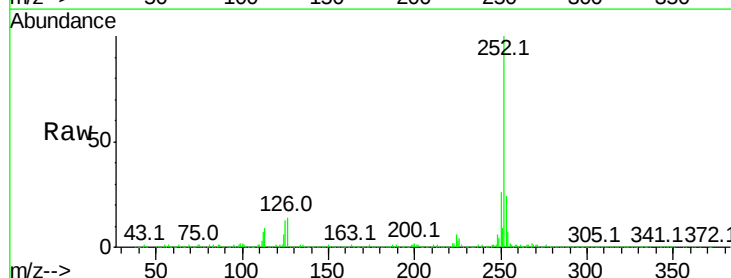
Instrument :
 BNA_F
 ClientSampleId :

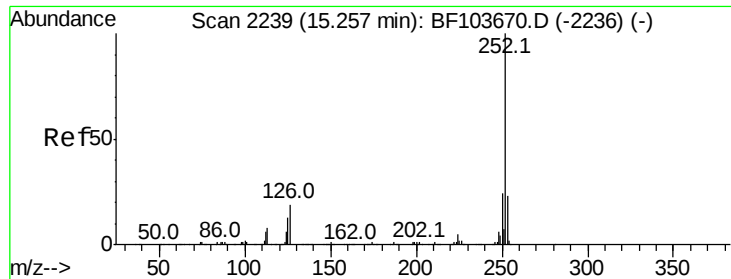
Tot Ion:264 Resp: 287637
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.2 28.8
 265 30.0 17.5 26.3#



#87
 Benzo(b)fluoranthene
 Concen: 230.774 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.06 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Tgt Ion:252 Resp: 4193665
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.0 25.6
 125 12.8 9.0 13.6

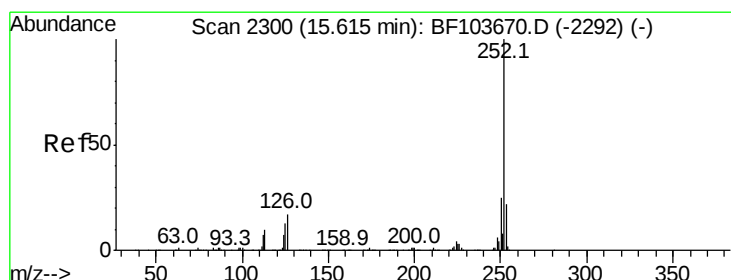
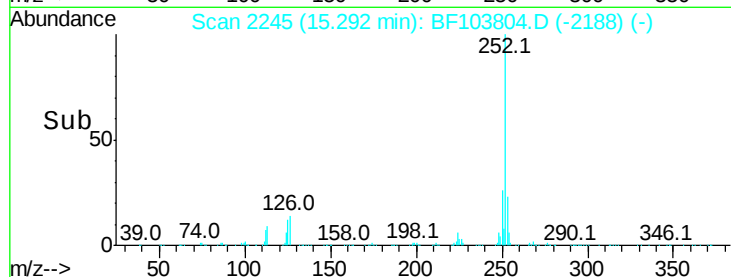
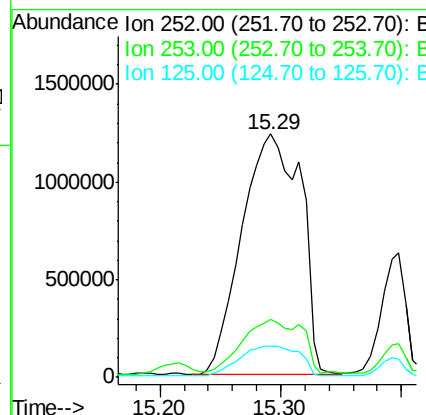
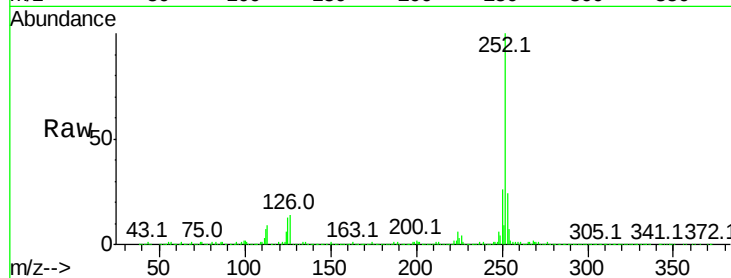




#88
Benzo(k)fluoranthene
Concen: 240.072 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.04 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

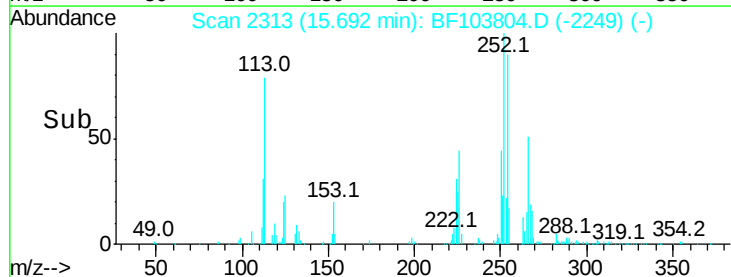
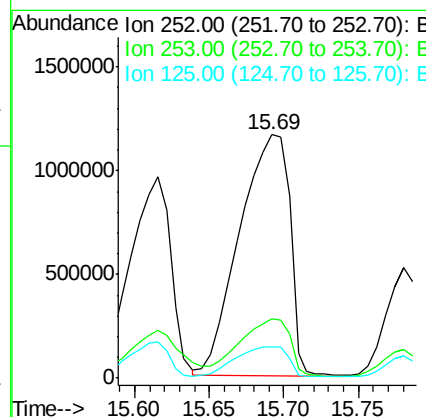
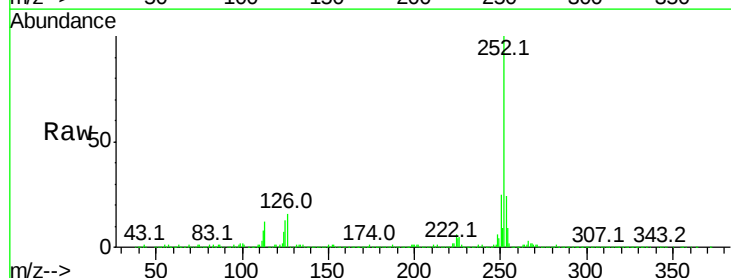
Instrument :
BNA_F
ClientSampleId :

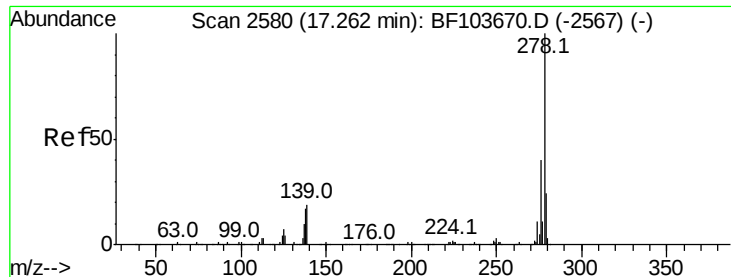
Tot Ion:252 Resp: 4193665
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 12.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 164.713 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.08 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:252 Resp: 2714866
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 12.8 9.8 14.6

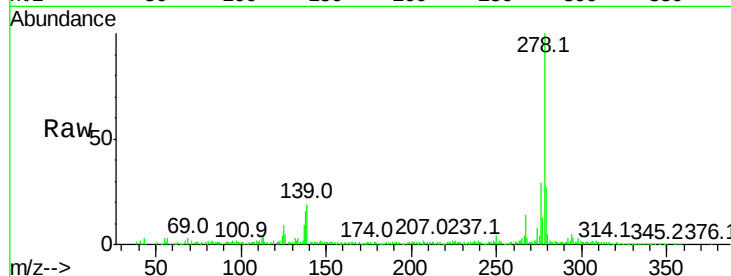




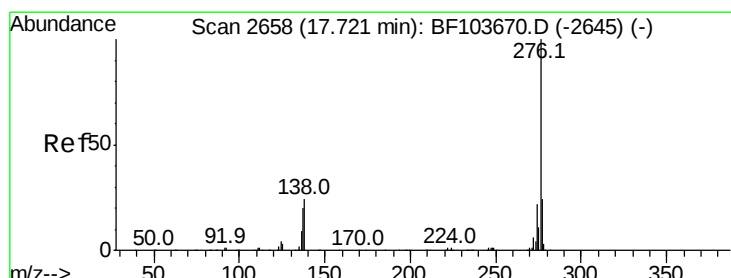
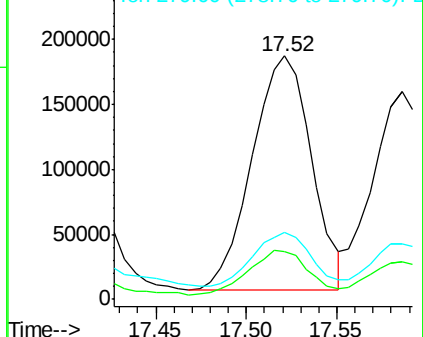
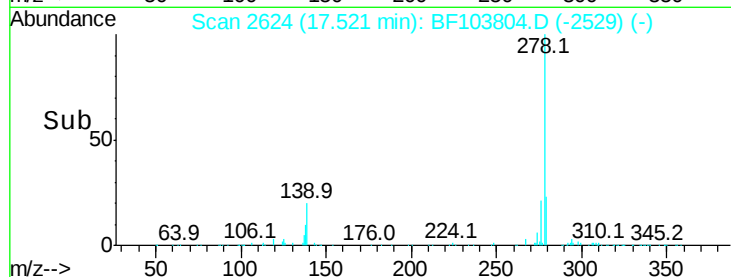
#90
Dibenzo(a,h)anthracene
Concen: 28.703 ng
RT: 17.52 min Scan# 2624
Delta R.T. 0.26 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 409652
Ion Ratio Lower Upper
278 100
139 19.4 15.9 23.9
279 27.3 19.0 28.4

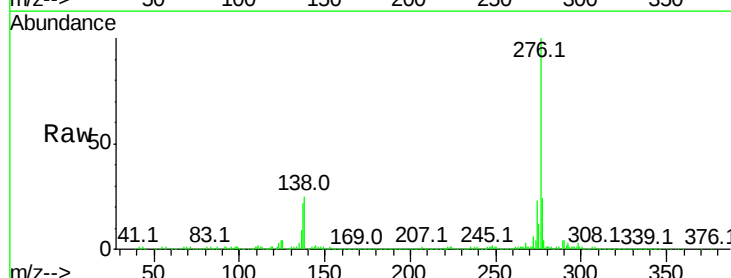


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 106.491 ng
RT: 17.85 min Scan# 2680
Delta R.T. 0.13 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:276 Resp: 1478576
Ion Ratio Lower Upper
276 100
277 24.1 17.9 26.9
138 24.7 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

