

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032218\
 Data File : BF103860.D
 Acq On : 22 Mar 2018 18:59
 Operator : JU/SJ
 Sample : J1991-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 23 00:56:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141546	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	551909	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	220089	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	330875	20.00	ng	0.00
75) Chrysene-d12	14.16	240	292928	20.00	ng	0.00
86) Perylene-d12	15.70	264	241960	20.00	ng	0.00

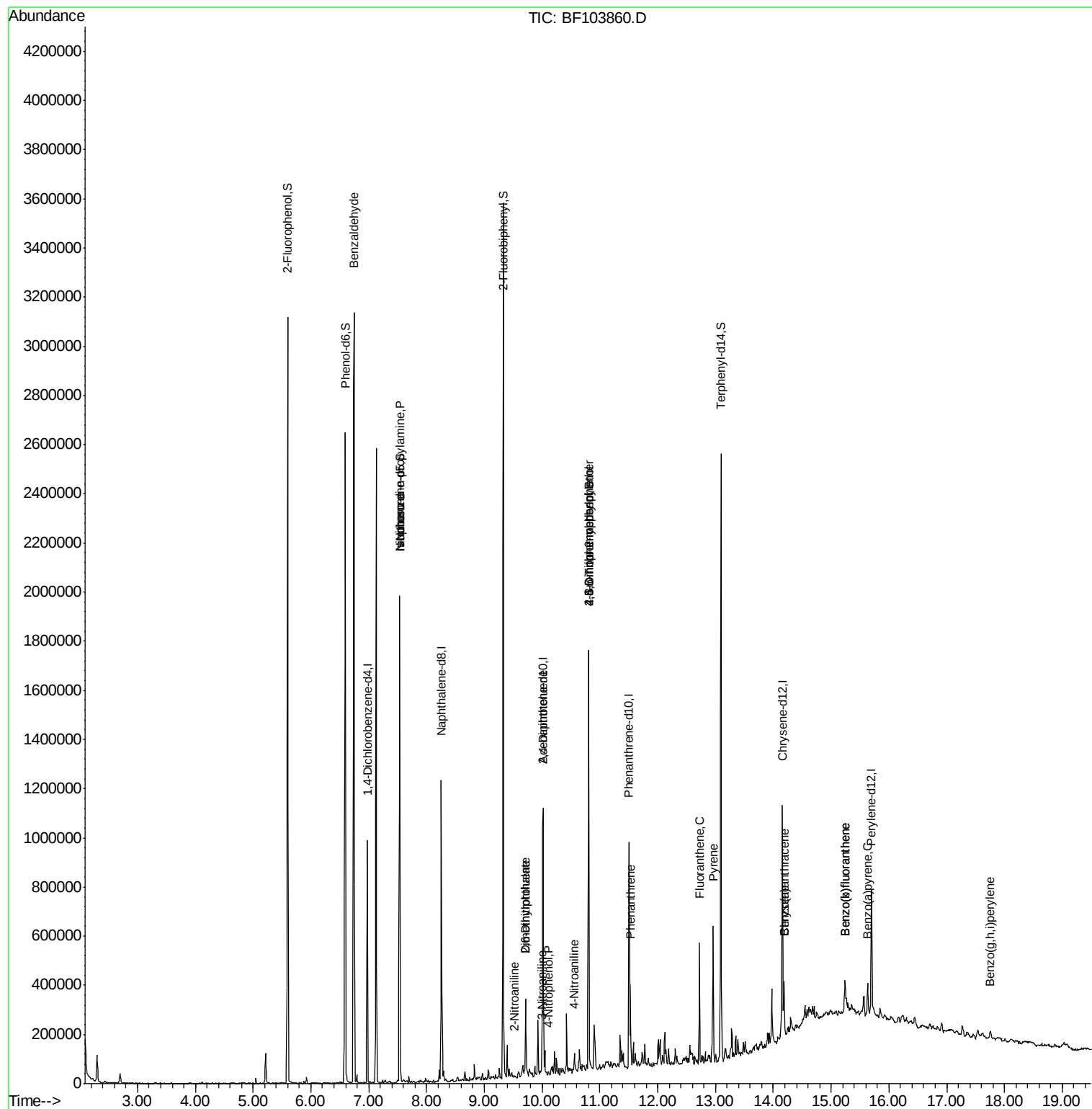
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	933917	100.35	ng	0.00
7) Phenol-d6	6.60	99	1127066	98.99	ng	0.00
23) Nitrobenzene-d5	7.53	82	672568	84.98	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	204253	107.94	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1092380	79.17	ng	0.00
78) Terphenyl-d14	13.09	244	839658	66.53	ng	0.00

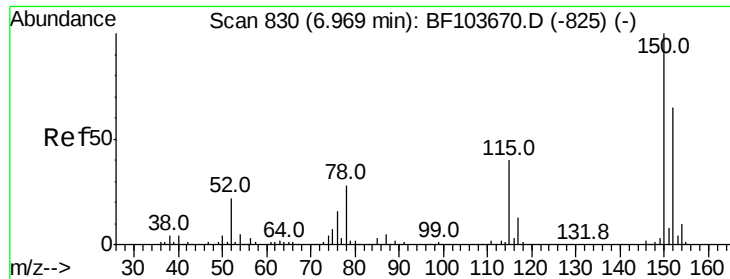
Target Compounds				Qvalue		
9) Benzaldehyde	6.75	77	19350	2.587	ng	82
19) n-Nitroso-di-n-propylamine	7.53	70	87164	11.946	ng	# 75
25) Isophorone	7.53	82	672559	36.710	ng	# 64
47) 2-Nitroaniline	9.52	65	121	6.841	ng	# 2
49) Dimethylphthalate	9.72	163	87981	5.240	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1517	4.412	ng	# 16
52) 3-Nitroaniline	9.99	138	110	3.840	ng	# 2
55) 4-Nitrophenol	10.12	139	531	5.132	ng	# 1
56) 2,4-Dinitrotoluene	10.01	165	29482	12.450	ng	# 23
61) 4-Nitroaniline	10.57	138	257	3.813	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	401	8.480	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	12163	3.580	ng	# 1
70) Phenanthrene	11.53	178	122329	6.759	ng	99
74) Fluoranthene	12.73	202	189785	10.178	ng	95
77) Pyrene	12.96	202	197994	9.204	ng	99
80) Benzo(a)anthracene	14.19	228	85722	4.623	ng	95
82) Chrysene	14.19	228	85722	4.850	ng	98
87) Benzo(b)fluoranthene	15.24	252	95440	6.243	ng	# 90
88) Benzo(k)fluoranthene	15.24	252	95454	6.496	ng	# 93
89) Benzo(a)pyrene	15.63	252	54651	3.942	ng	# 92
91) Benzo(a,h,i)perylene	17.76	276	27302	2.338	ng	96

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

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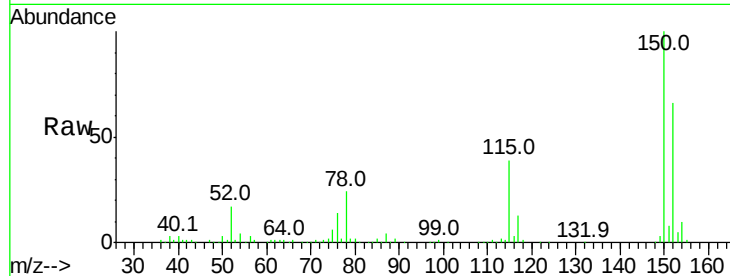




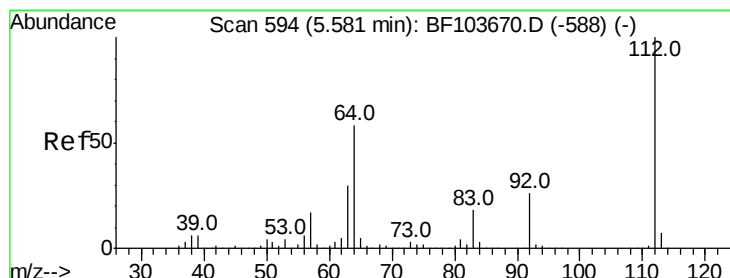
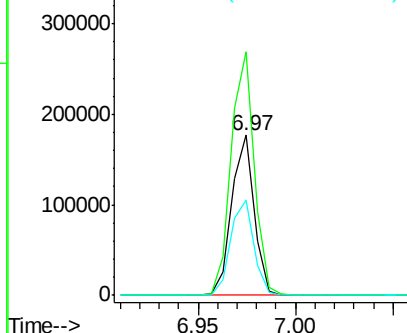
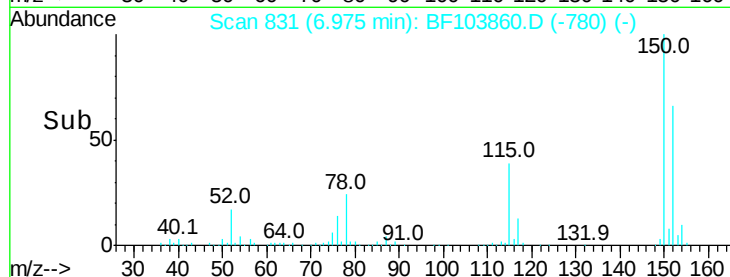
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.6	186.8
115	59.9	50.1	75.1



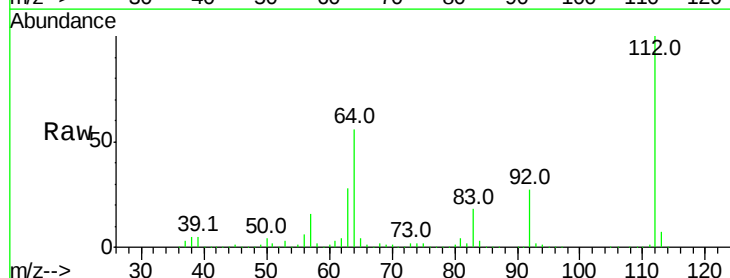
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



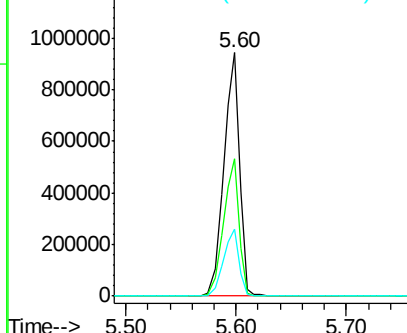
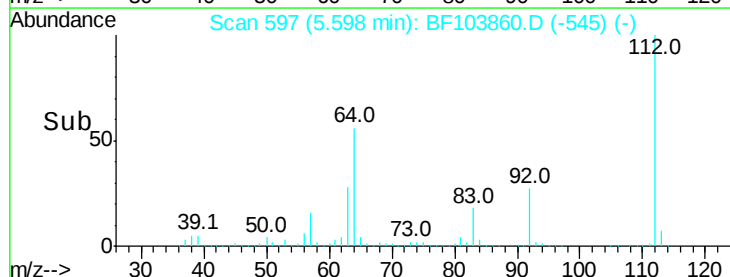
#5

2-Fluorophenol
Concen: 100.355 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	27.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.992 ng

RT: 6.60 min Scan# 767

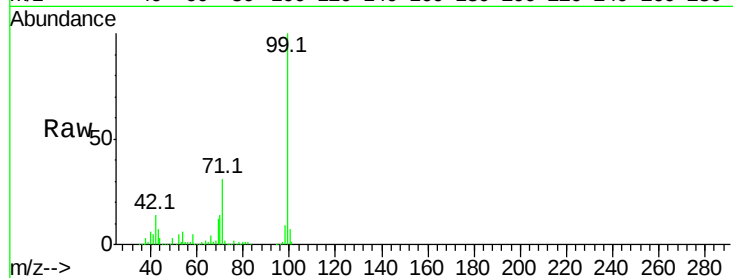
Delta R.T. -0.00 min

Lab File: BF103860.D

Acq: 22 Mar 2018 18:59

Tot Ion: 99 Resp: 1127066

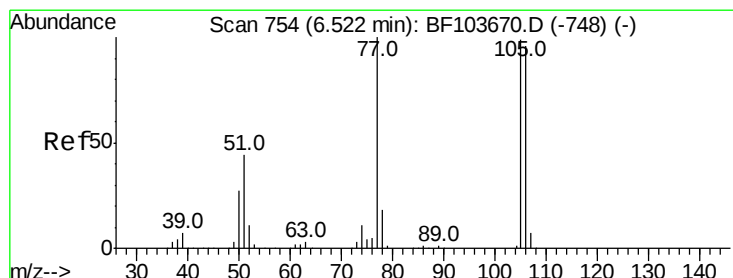
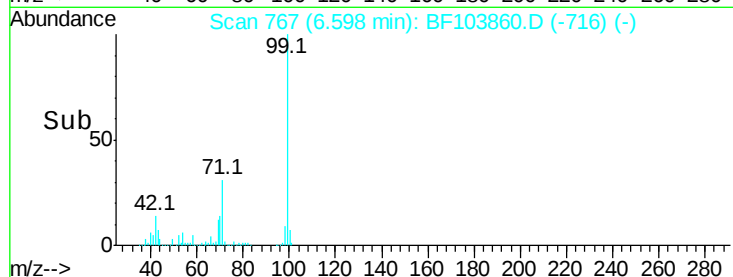
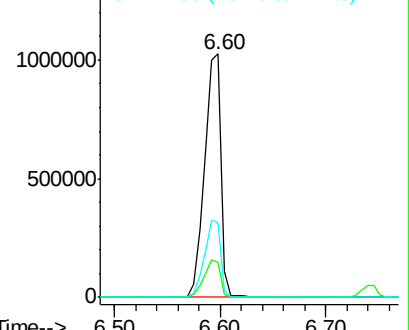
Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.5	21.7
71	30.8	25.4	38.0



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: 2.587 ng

RT: 6.75 min Scan# 792

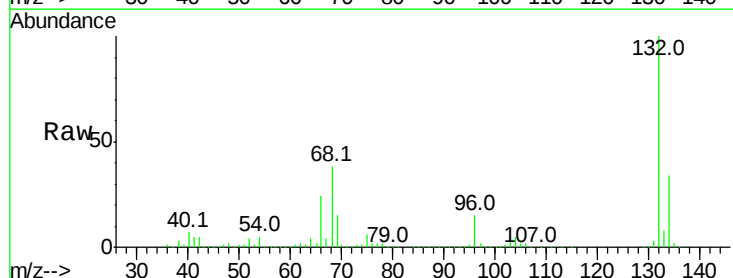
Delta R.T. 0.22 min

Lab File: BF103860.D

Acq: 22 Mar 2018 18:59

Tgt Ion: 77 Resp: 19350

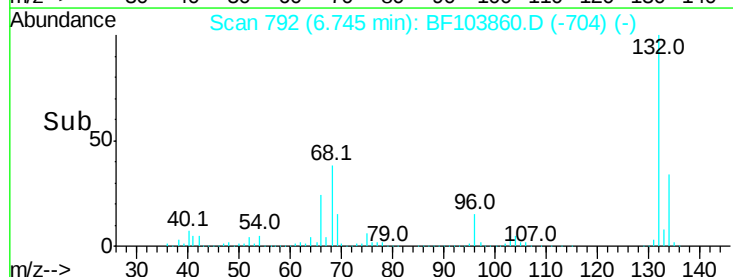
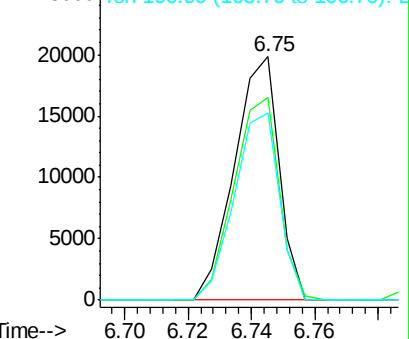
Ion	Ratio	Lower	Upper
77	100		
105	83.2	81.1	121.1
106	76.7	74.5	114.5

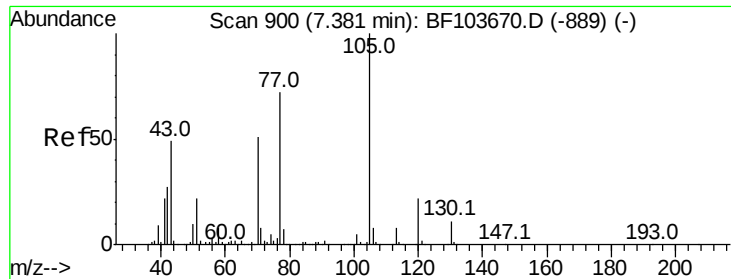


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

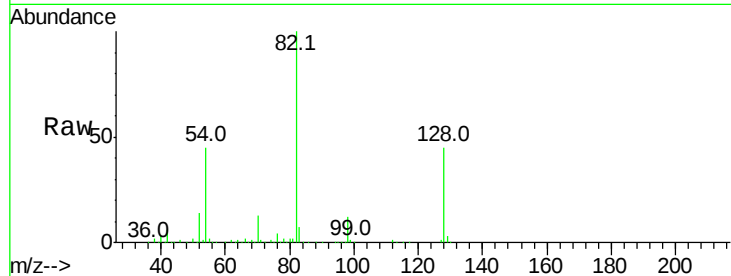
Ion 106.00 (105.70 to 106.70): BF1





#19
n-Nitroso-di-n-propylamine
Concen: 11.946 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

Tot Ion	Ratio	Lower	Upper
70	100		
42	44.9	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#

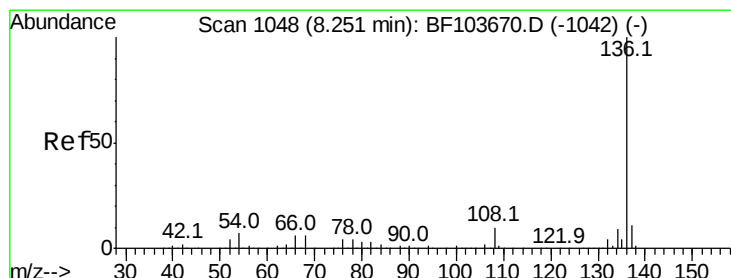
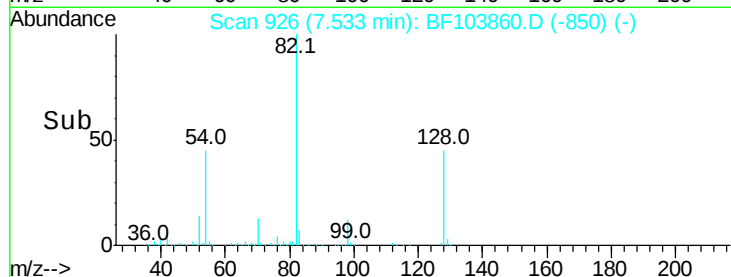
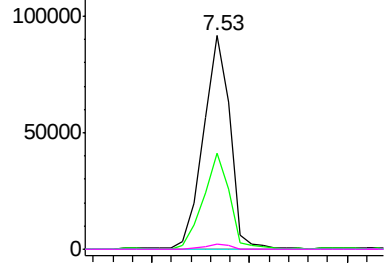


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

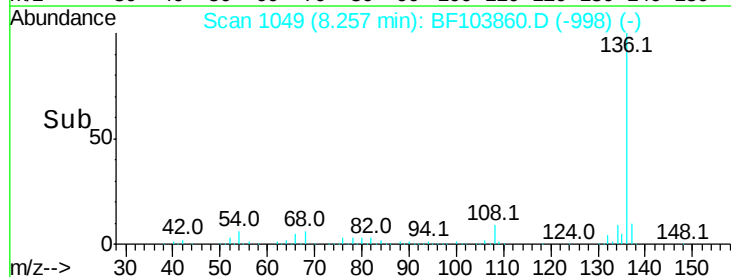
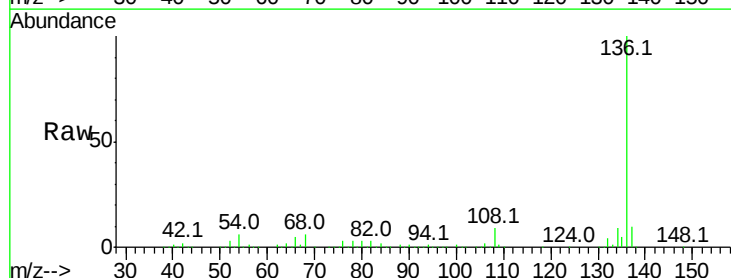
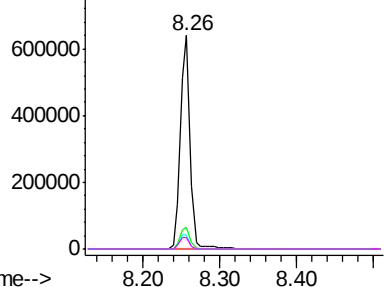
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.5	6.6	9.8#
68	5.6	5.0	7.4

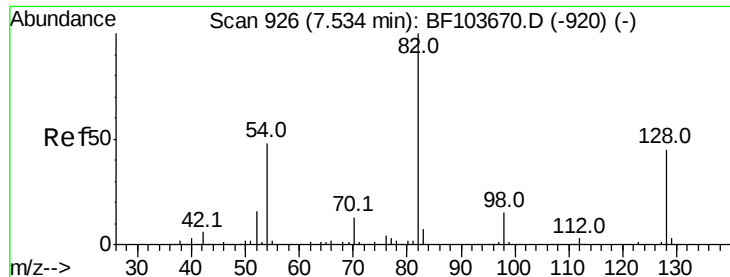
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

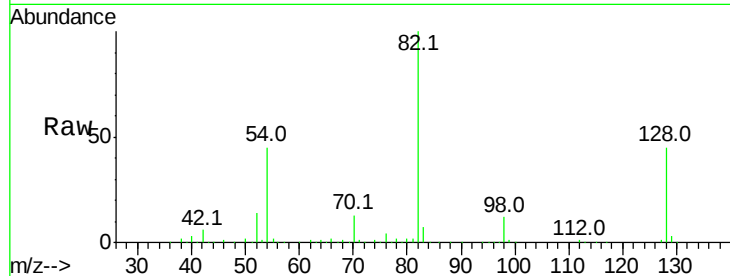
Ion 68.00 (67.70 to 68.70): BF1



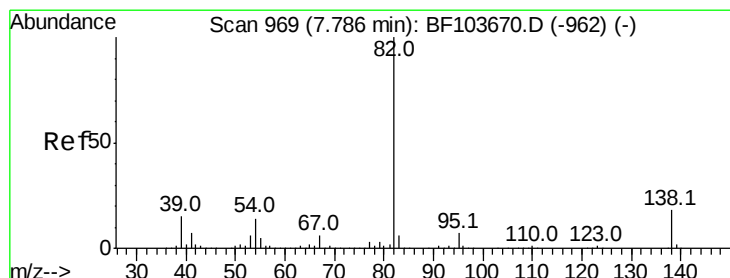
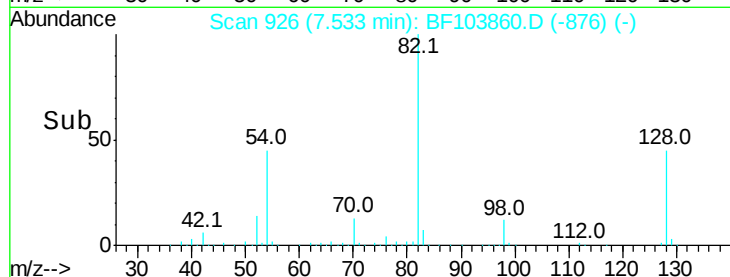
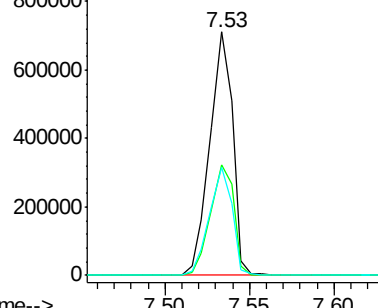


#23
 Nitrobenzene-d5
 Concen: 84.982 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

Tot Ion	82	Resp	672568
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	44.6	41.4	62.2

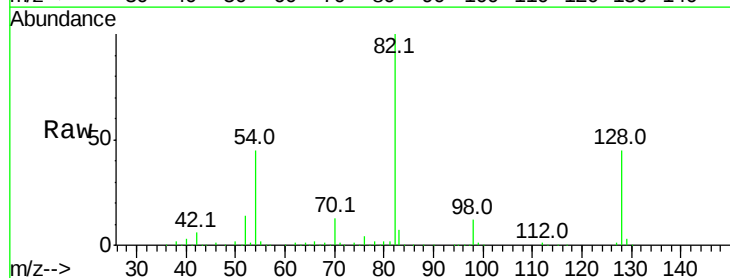


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

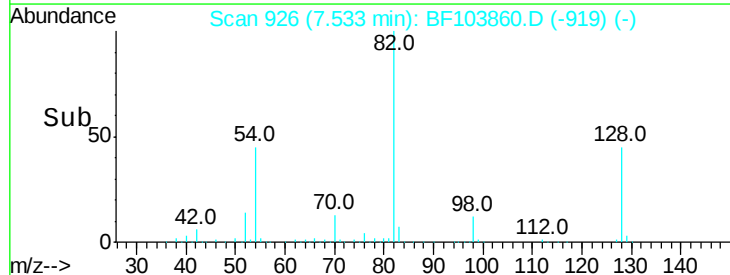
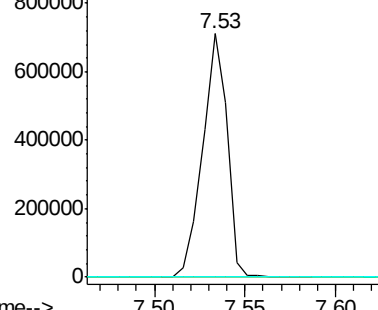


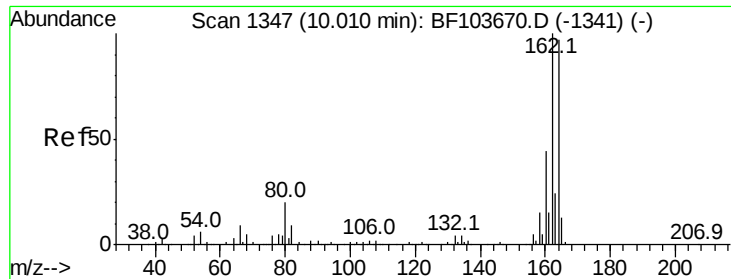
#25
 Isophorone
 Concen: 36.710 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.26 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

Tgt Ion	82	Resp	672559
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.0	14.9	22.3#
138	0.0		



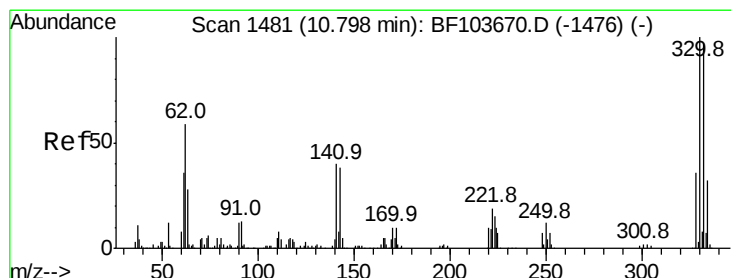
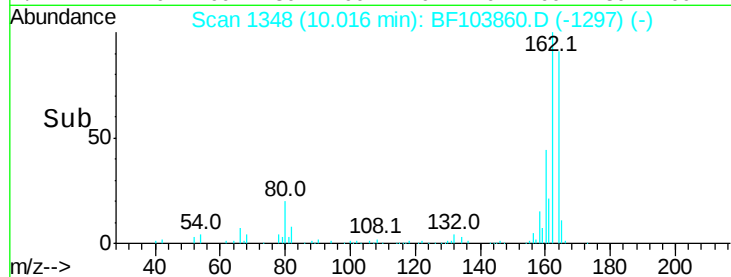
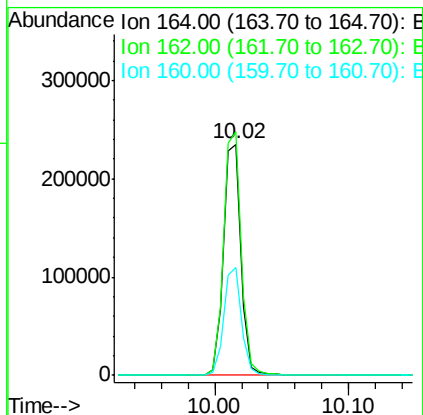
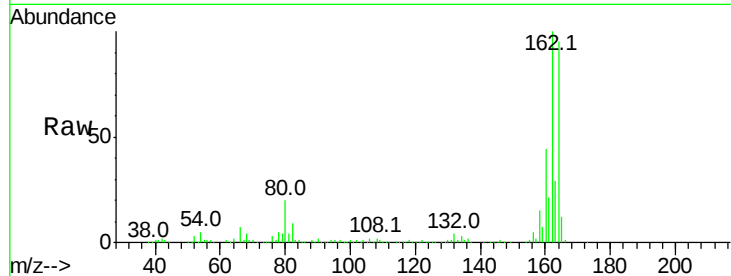
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





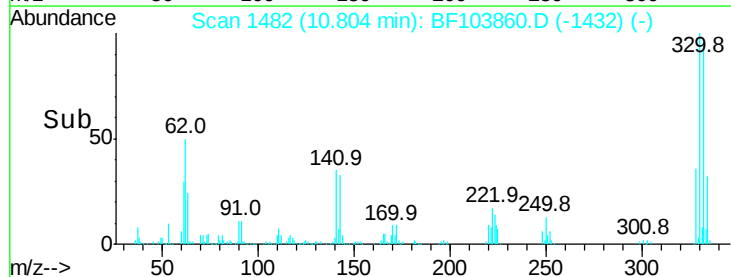
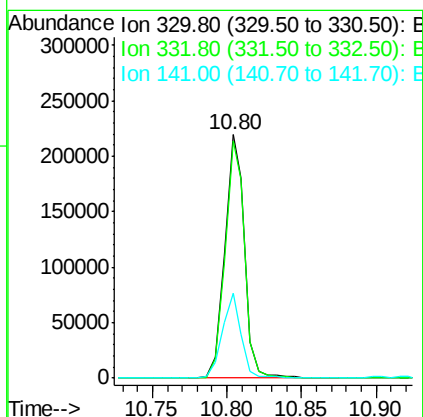
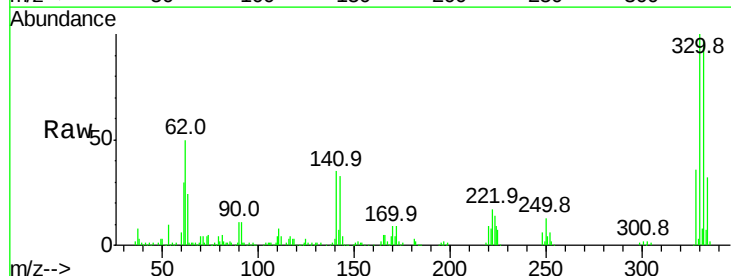
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

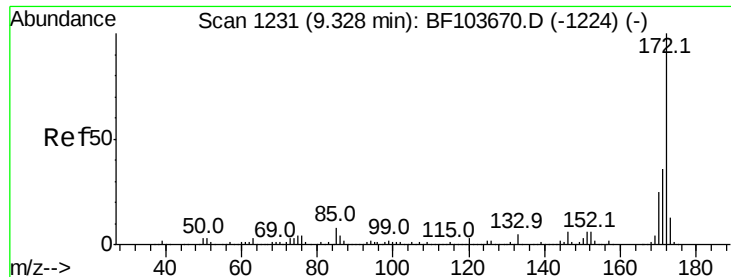
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	46.5	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 107.937 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	33.3	29.9	44.9

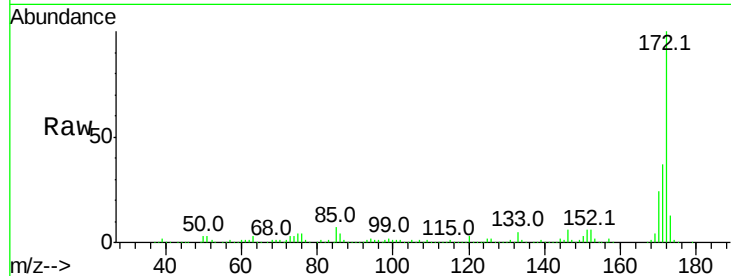




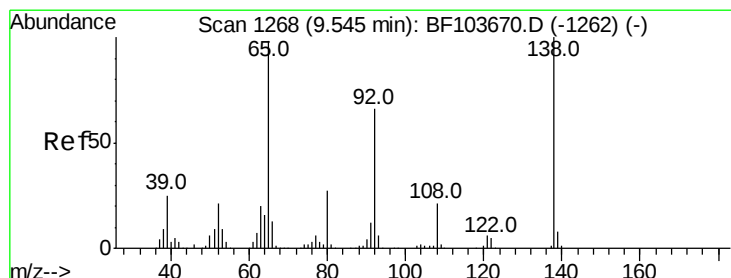
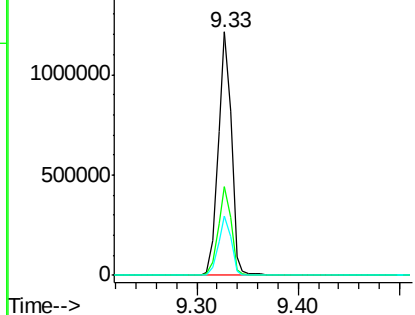
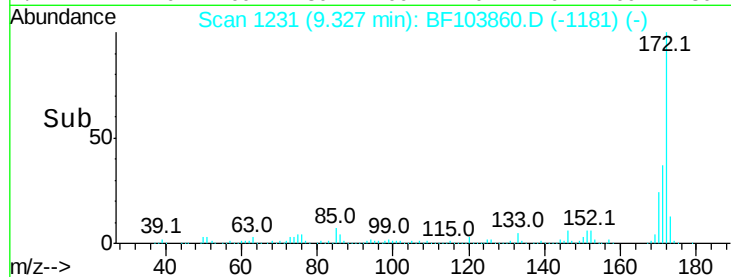
#44
 2-Fluorobiphenyl
 Concen: 79.173 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

Tot Ion:172 Resp: 1092380

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.1	19.6	29.4



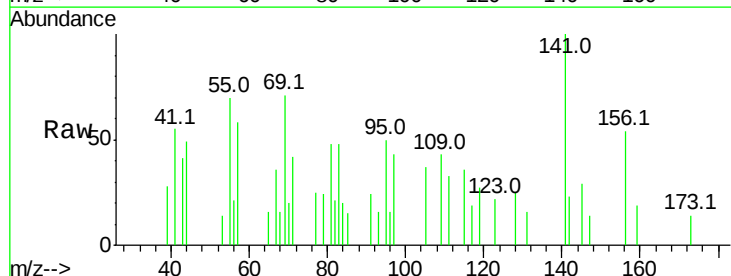
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



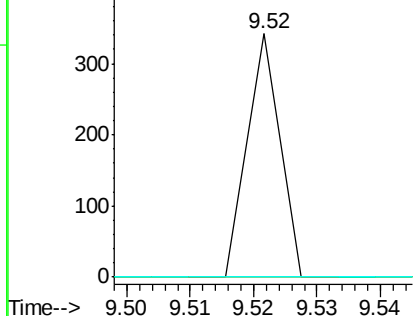
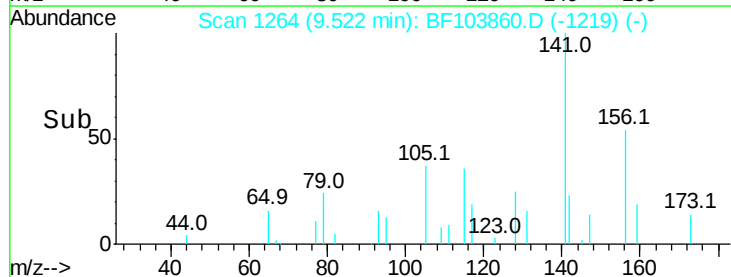
#47
 2-Nitroaniline
 Concen: 6.841 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.04 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

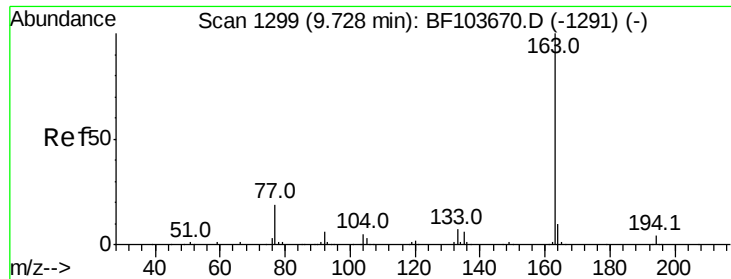
Tgt Ion: 65 Resp: 121

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 5.240 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103860.D

Acq: 22 Mar 2018 18:59

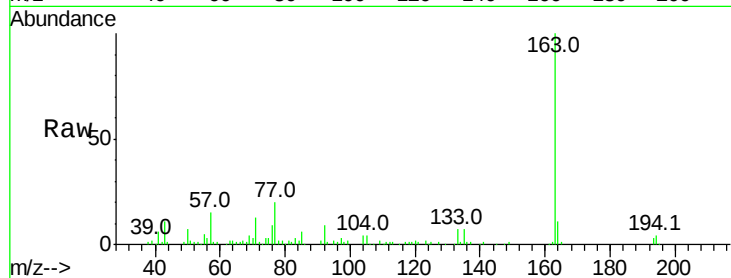
Tot Ion:163 Resp: 87981

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

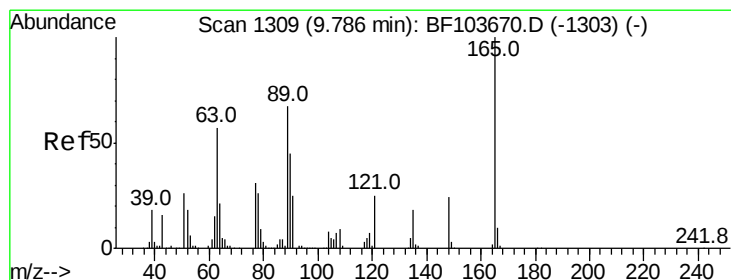
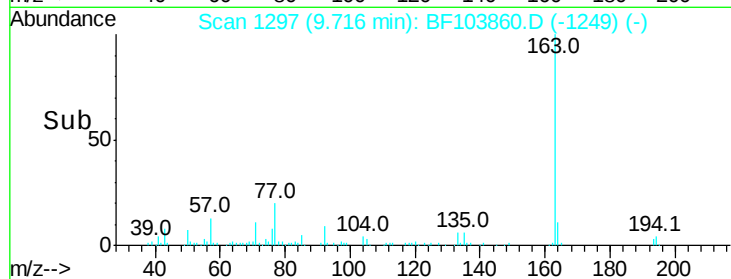
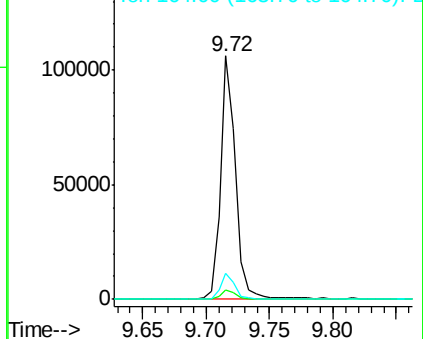
164 10.7 8.2 12.2



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: 4.412 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF103860.D

Acq: 22 Mar 2018 18:59

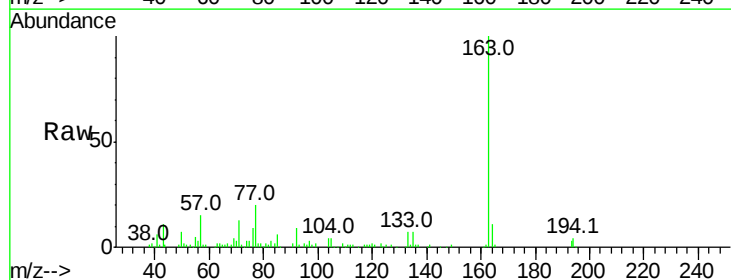
Tgt Ion:165 Resp: 1517

Ion Ratio Lower Upper

165 100

63 122.7 44.7 67.1#

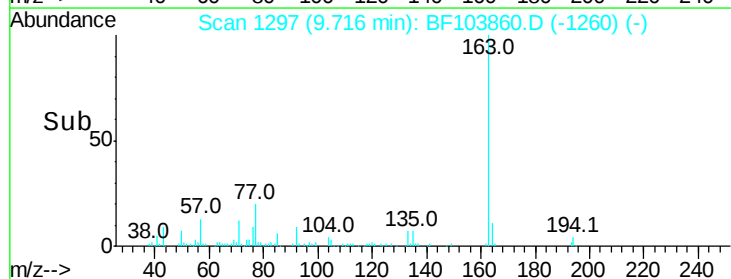
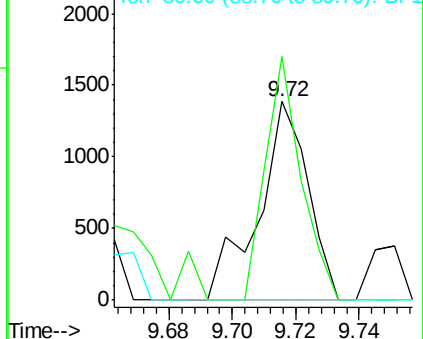
89 0.0 44.0 66.0#

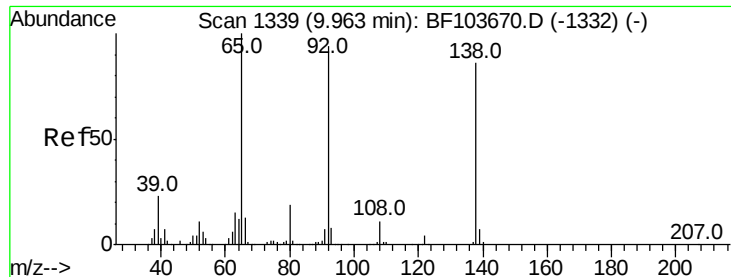


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

3-Nitroaniline

Concen: 3.840 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.02 min

Lab File: BF103860.D

Acq: 22 Mar 2018 18:59

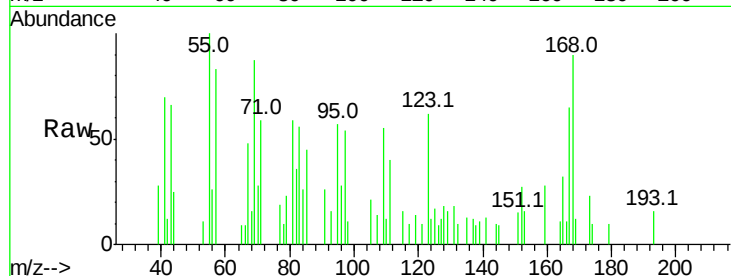
Tot Ion:138 Resp: 110

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

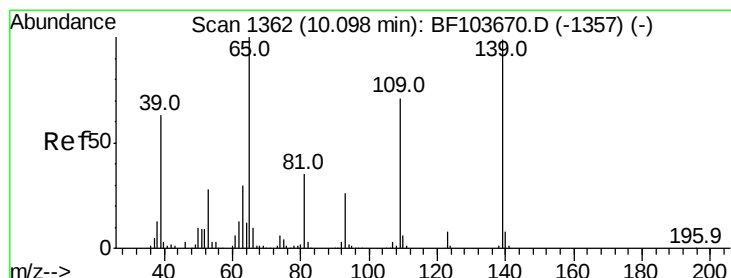
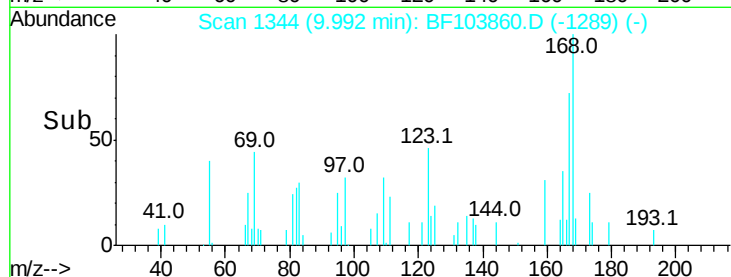
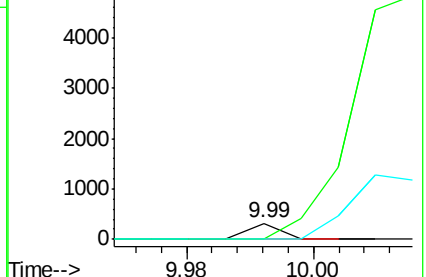
92 0.0 89.4 134.2#



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



#55

4-Nitrophenol

Concen: 5.132 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.00 min

Lab File: BF103860.D

Acq: 22 Mar 2018 18:59

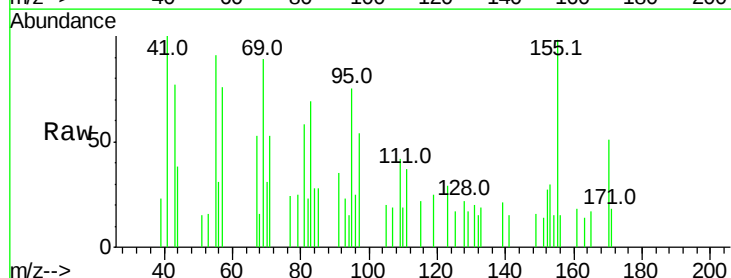
Tgt Ion:139 Resp: 531

Ion Ratio Lower Upper

139 100

109 194.4 48.4 88.4#

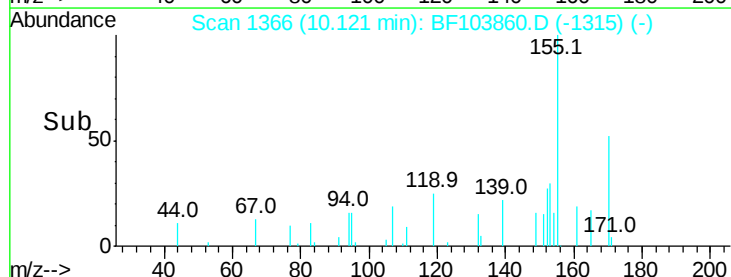
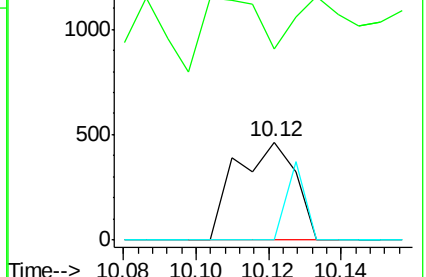
65 0.0 72.6 112.6#

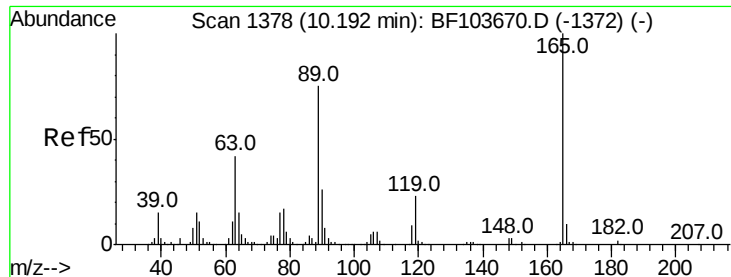


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

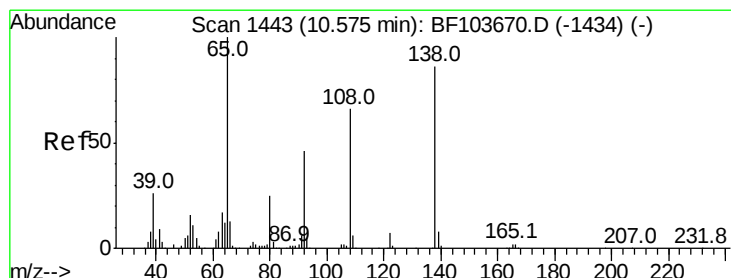
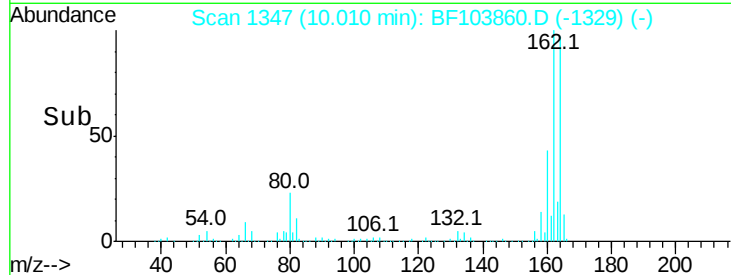
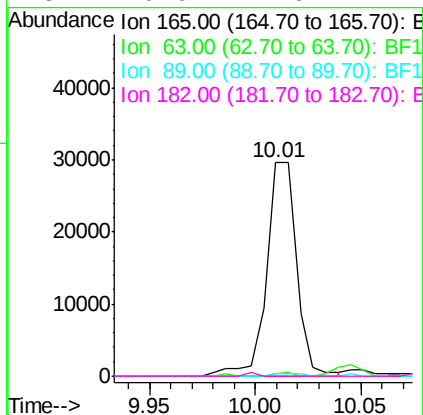
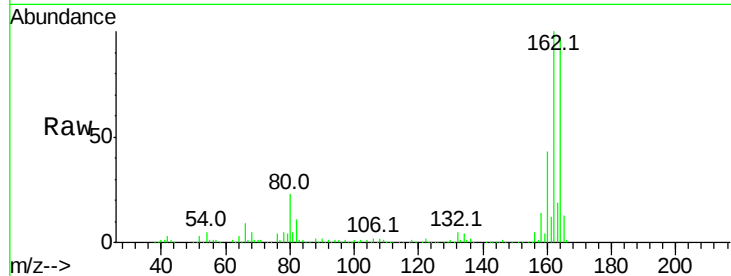
Ion 65.00 (64.70 to 65.70): BF1





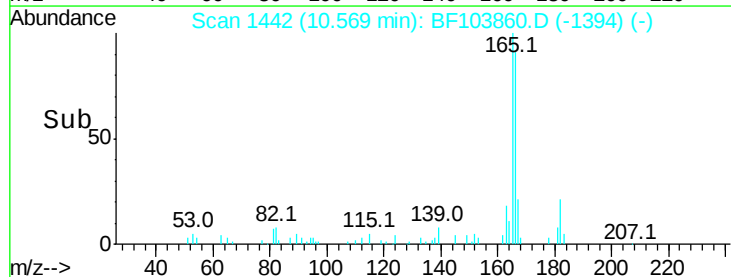
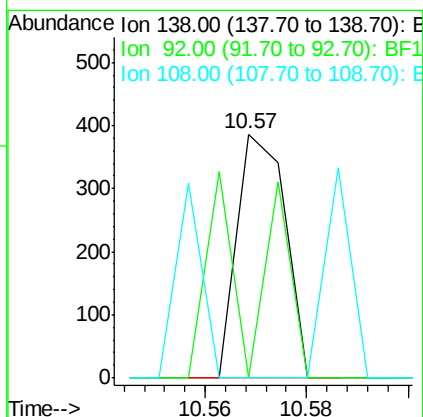
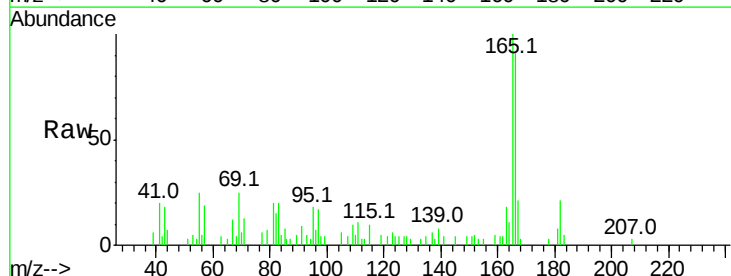
#56
2,4-Dinitrotoluene
Concen: 12.450 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

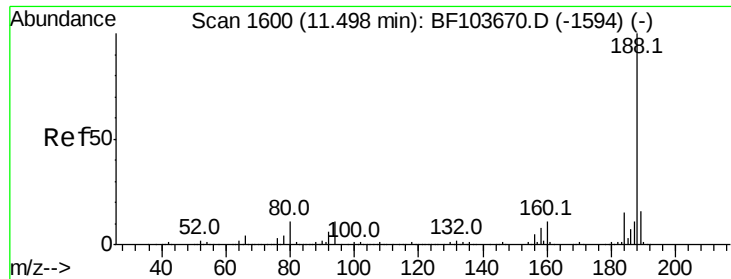
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#61
4-Nitroaniline
Concen: 3.813 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.02 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

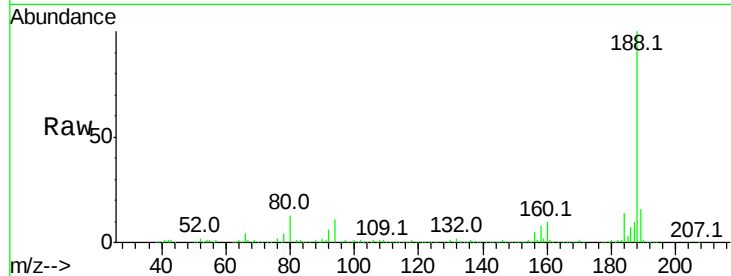
Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	30.2	70.2#
108	0.0	52.5	92.5#





#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

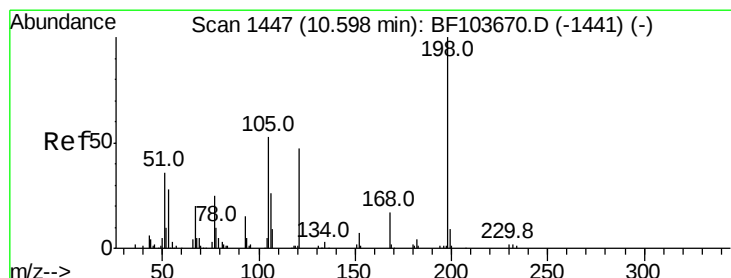
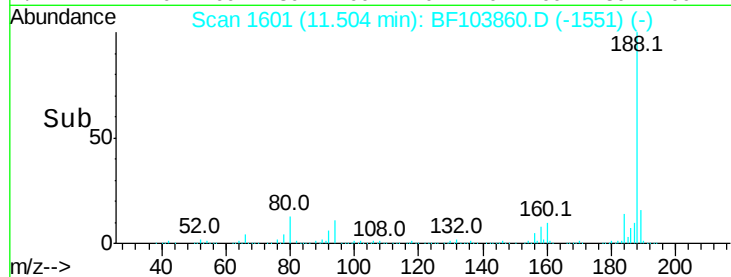
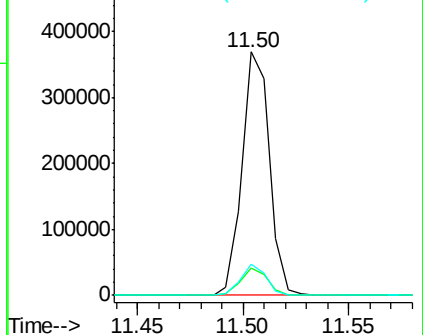
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.6	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

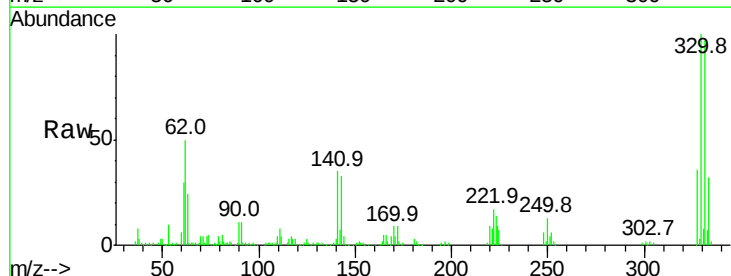
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.480 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

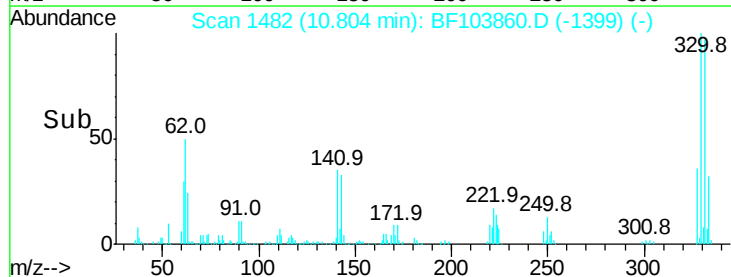
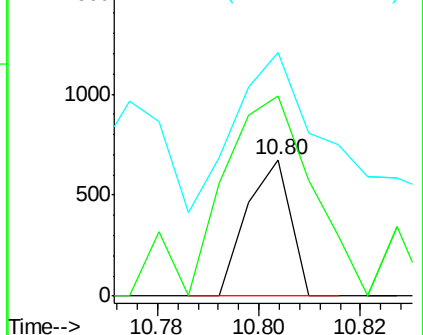
Tgt Ion	Ratio	Lower	Upper
198	100		
51	147.5	37.7	77.7#
105	178.9	36.3	76.3#

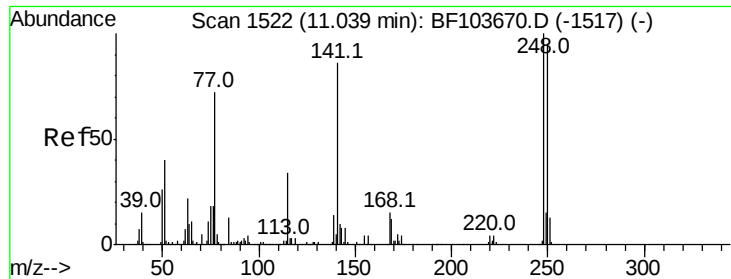


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

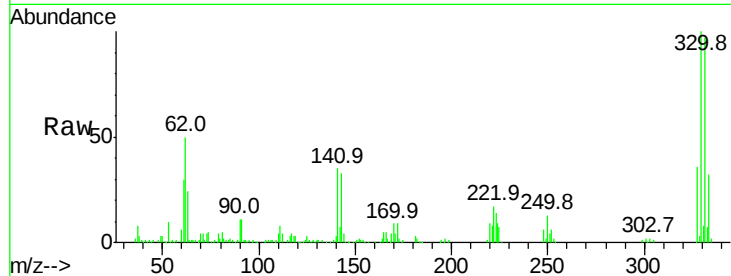
Ion 105.00 (104.70 to 105.70): E



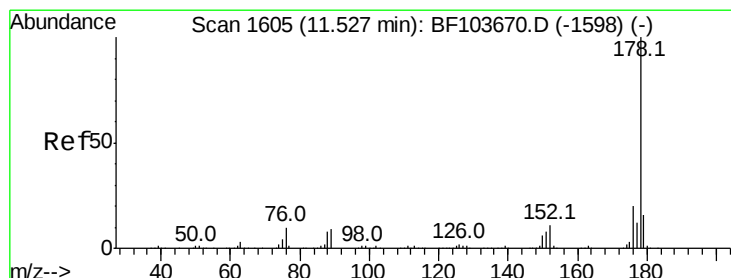
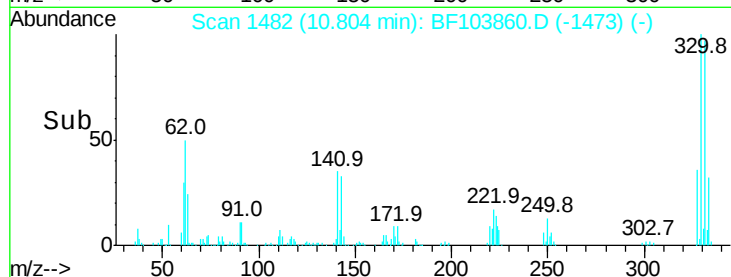
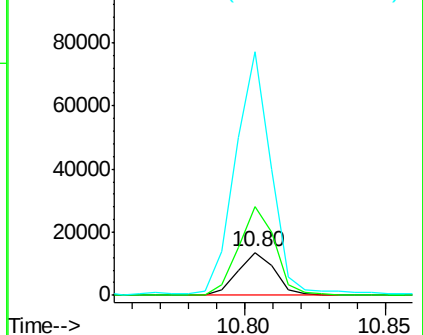


#66
 4-Bromophenyl-phenylether
 Concen: 3.580 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

Tot Ion:248 Resp: 12163
 Ion Ratio Lower Upper
 248 100
 250 205.4 76.9 115.3#
 141 567.6 74.4 111.6#

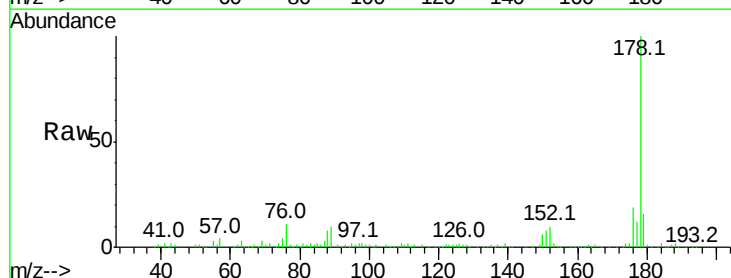


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

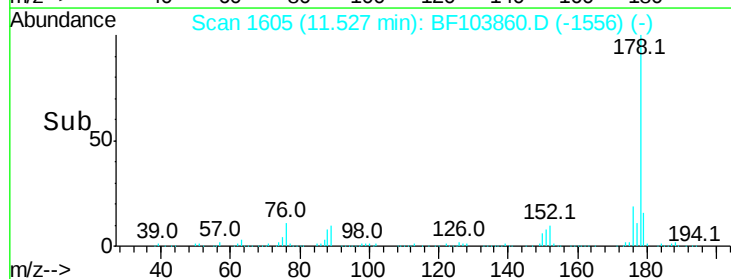
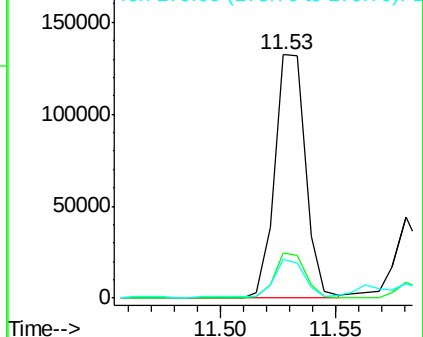


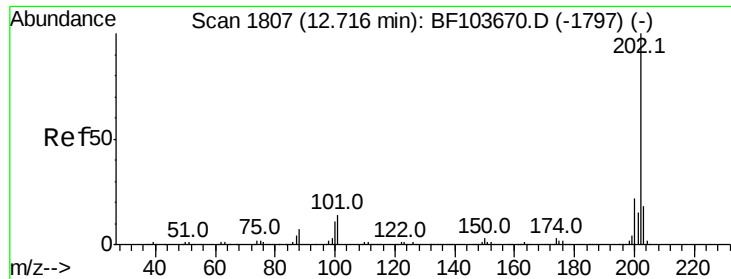
#70
 Phenanthrene
 Concen: 6.759 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

Tgt Ion:178 Resp: 122329
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 16.1 13.0 19.6



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





#74

Fluoranthene

Concen: 10.178 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BF103860.D

Acq: 22 Mar 2018 18:59

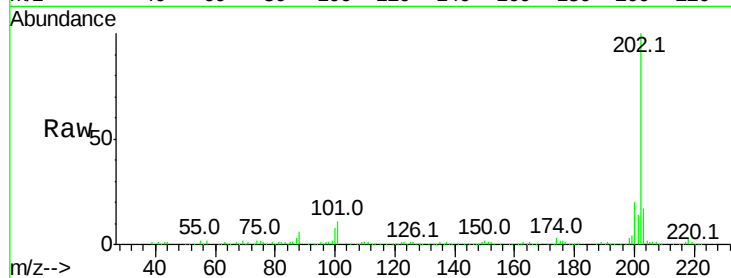
Tot Ion:202 Resp: 189785

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

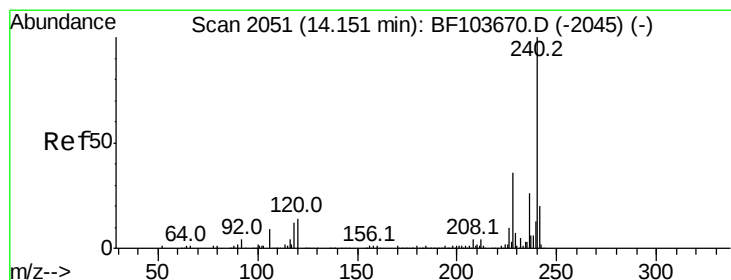
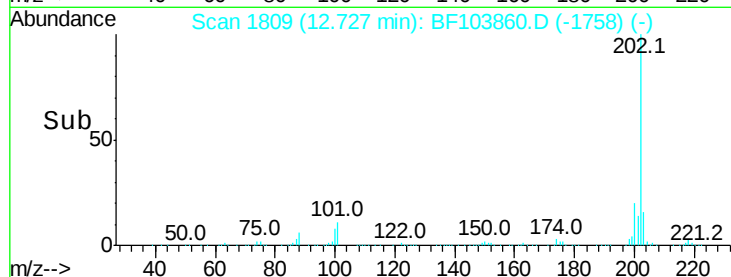
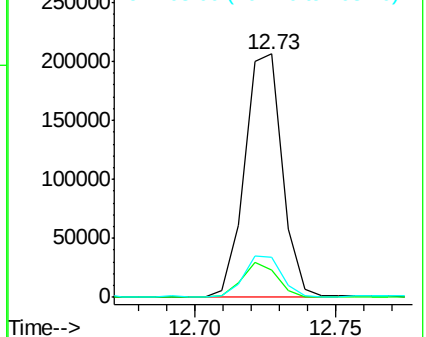
203 16.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF103860.D

Acq: 22 Mar 2018 18:59

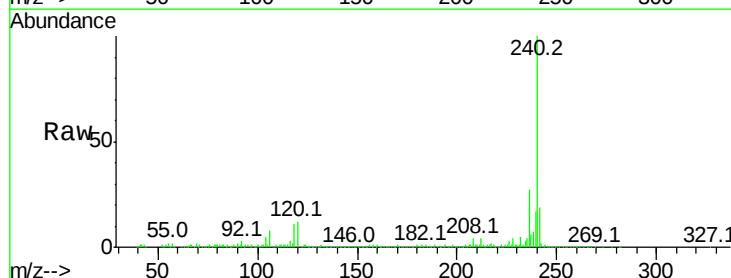
Tgt Ion:240 Resp: 292928

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

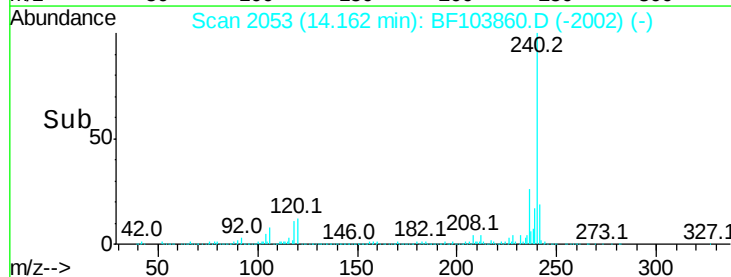
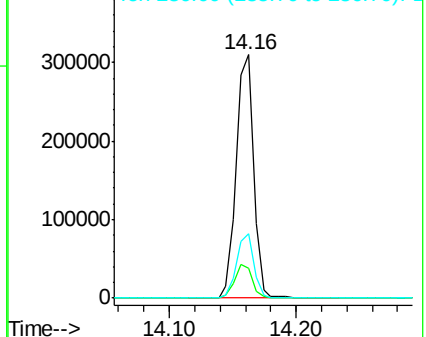
236 26.6 20.7 31.1

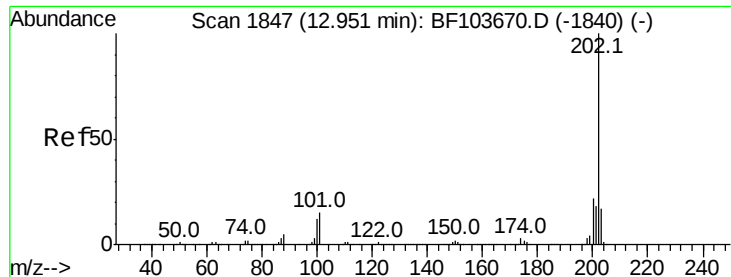


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

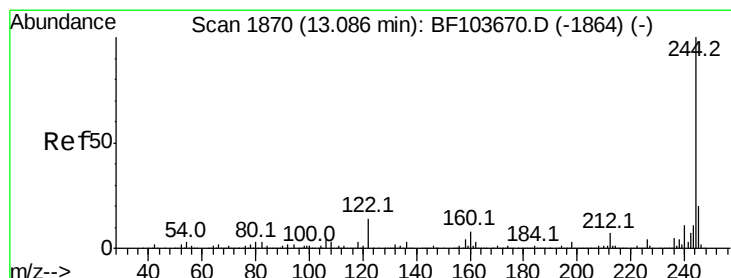
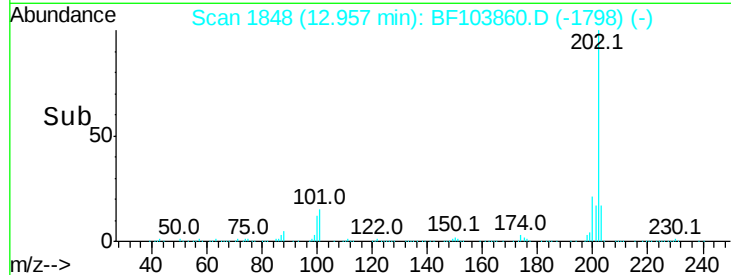
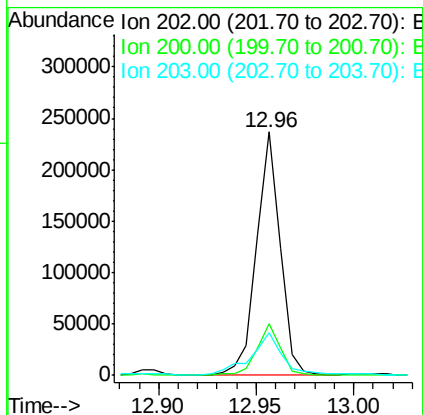
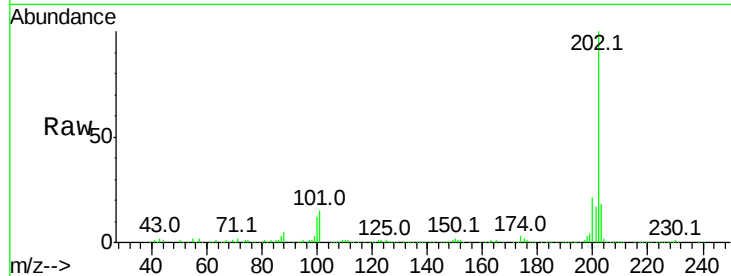
Ion 236.00 (235.70 to 236.70): E





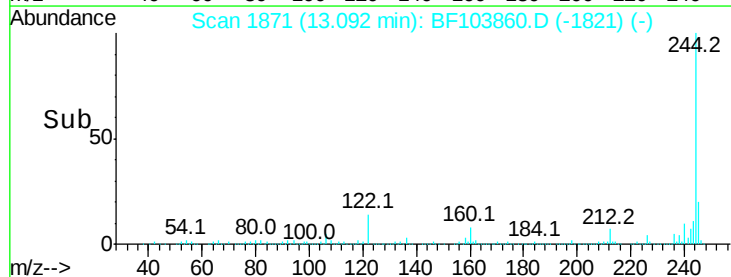
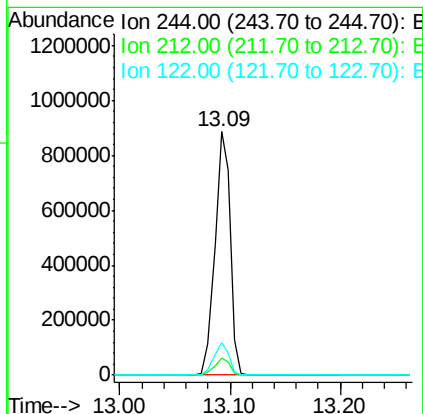
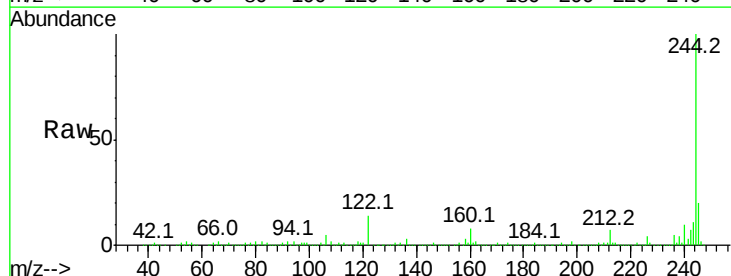
#77
 Pvrene
 Concen: 9.204 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

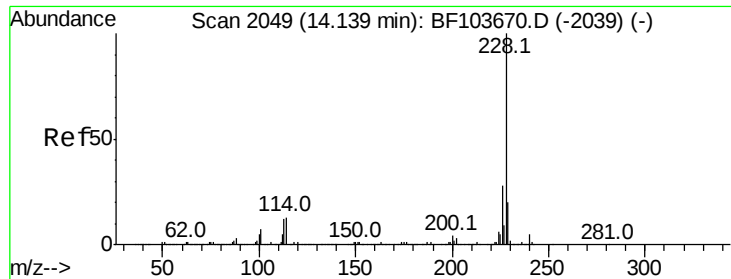
Tot Ion:	202	Resp:	197994
Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5



#78
 Terphenyl-d14
 Concen: 66.534 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

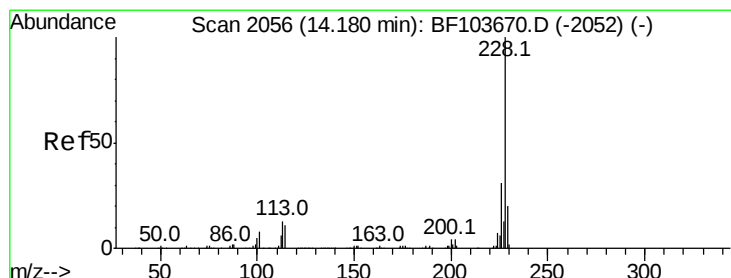
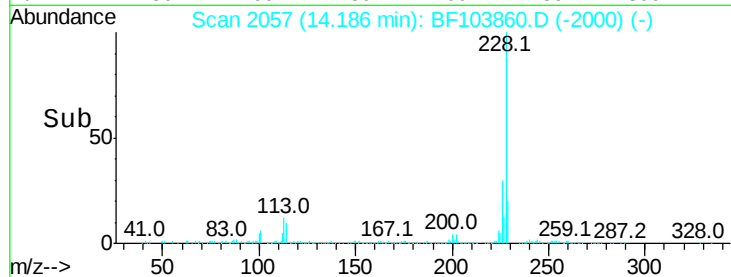
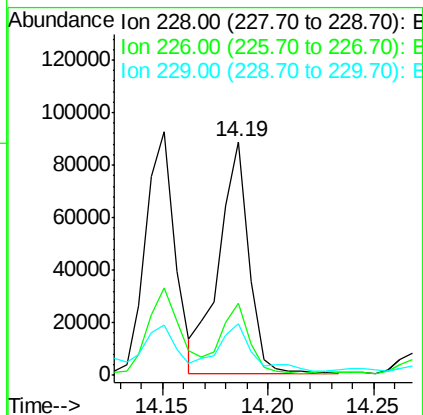
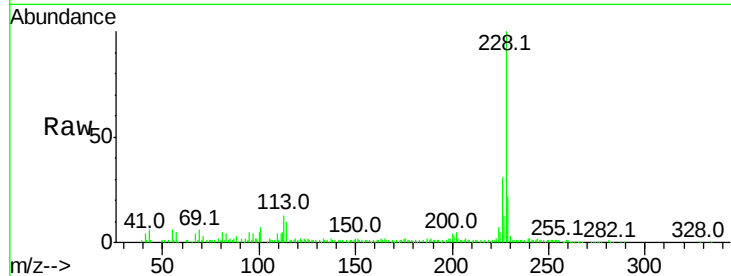
Tgt Ion:	244	Resp:	839658
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.6	11.0	16.4





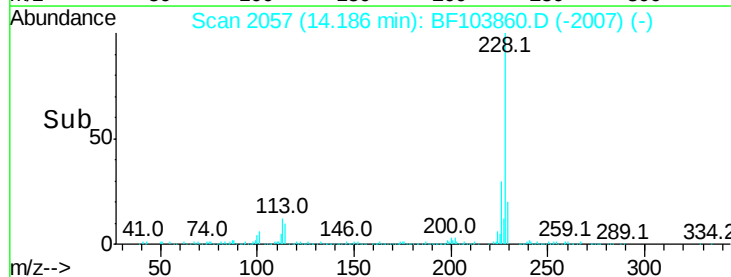
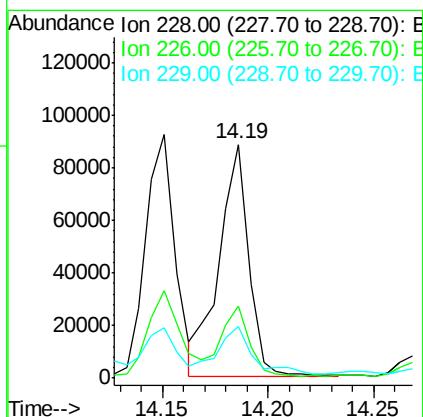
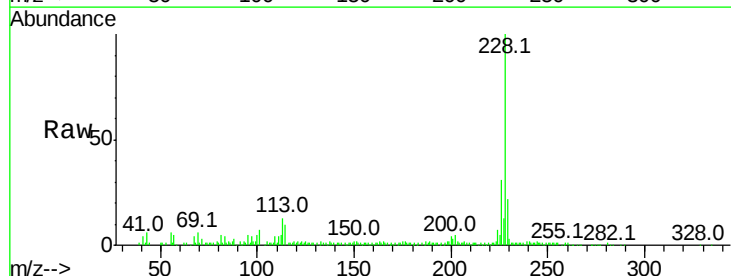
#80
Benzo(a)anthracene
Concen: 4.623 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.04 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

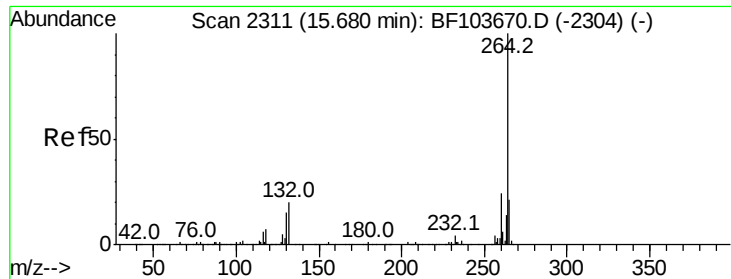
Tot	Ion:228	Resp:	85722
Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	22.3	15.8	23.6



#82
Chrysene
Concen: 4.850 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

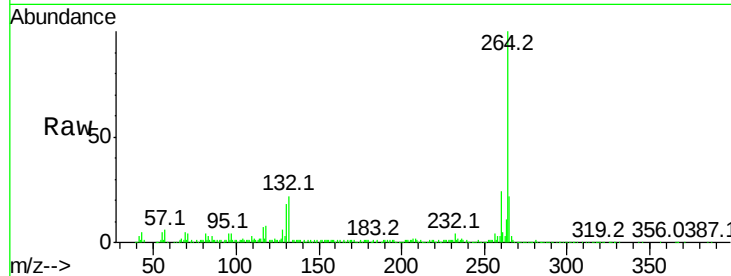
Tgt Ion:228	Resp: 85722
Ion Ratio	Lower Upper
228 100	
226 30.8	25.0 37.6
229 22.3	16.2 24.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	17.5	26.3

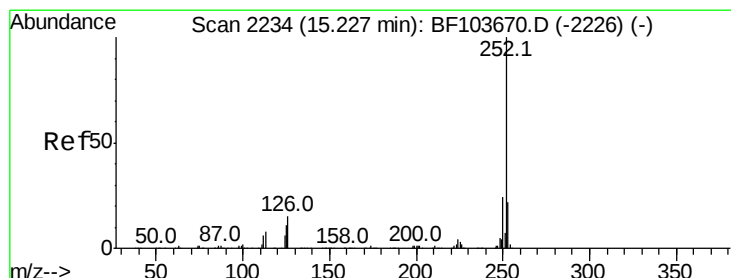
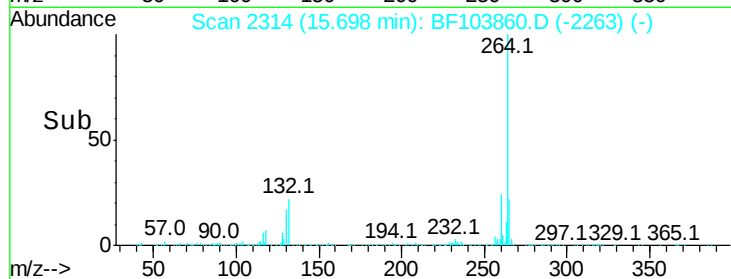
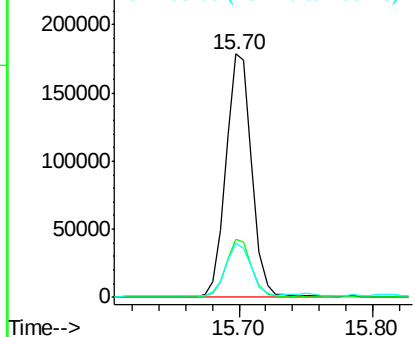


Abundance

Ion 264.00 (263.70 to 264.70): E

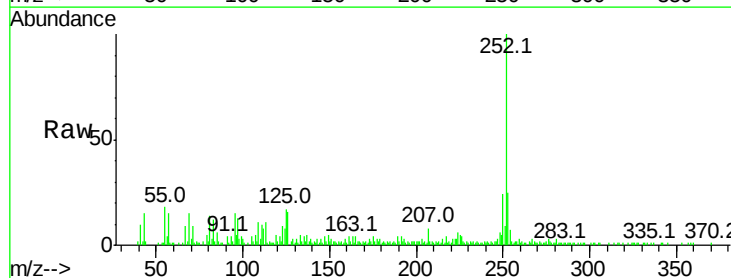
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 6.243 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	17.4	9.0	13.6

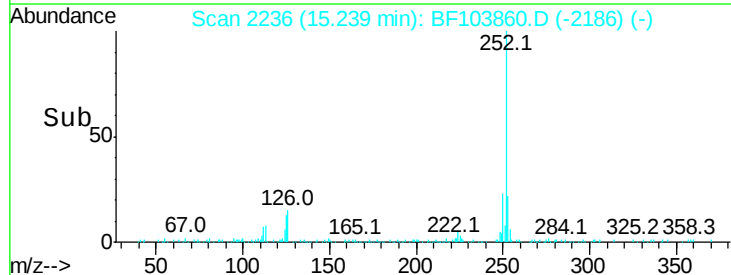
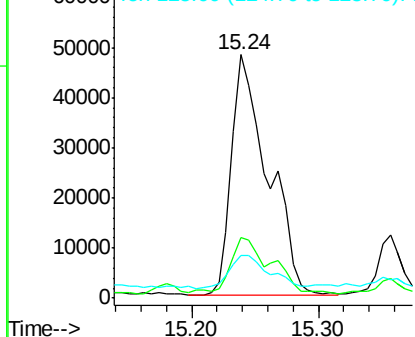


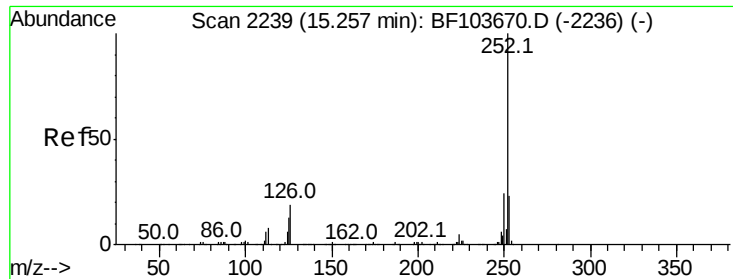
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

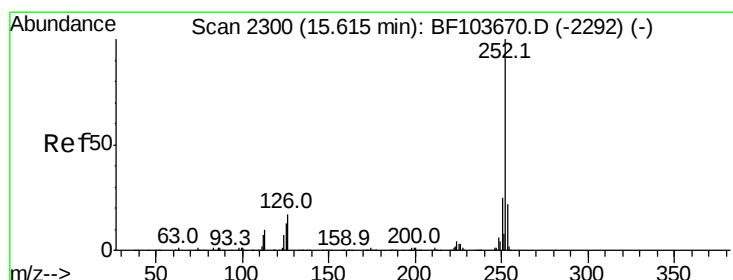
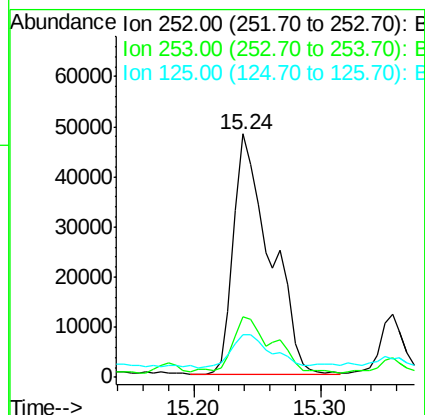
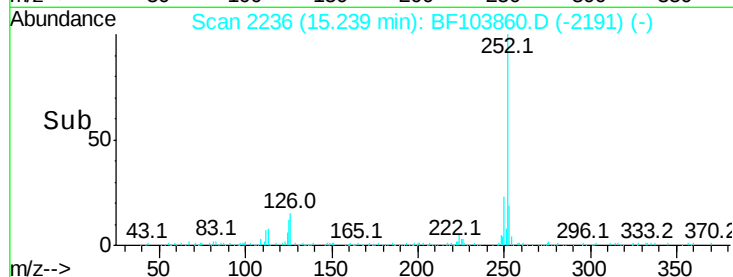
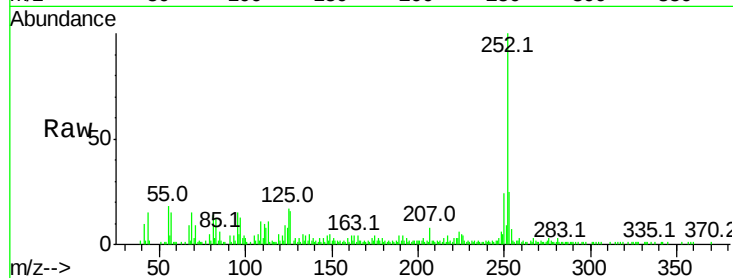
Ion 125.00 (124.70 to 125.70): E





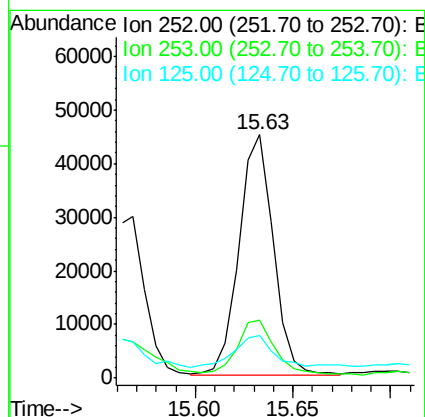
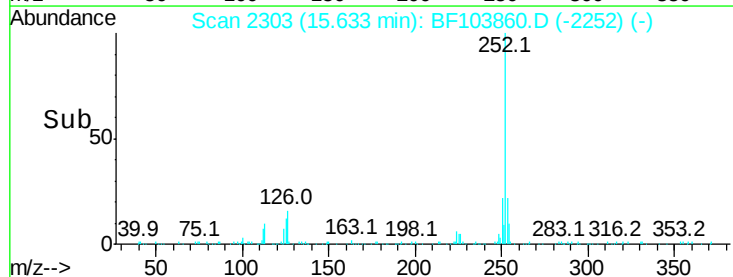
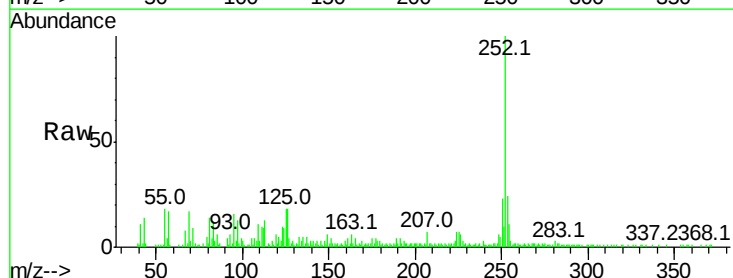
#88
Benzo(k)fluoranthene
Concen: 6.496 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.04 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

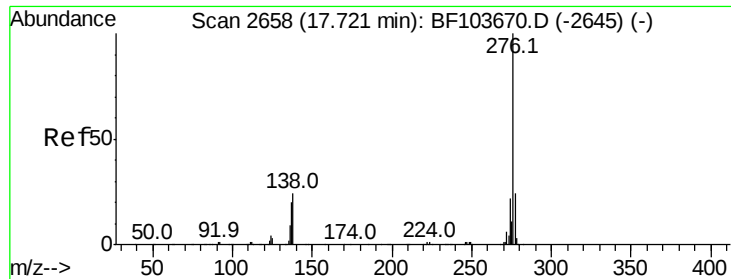
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	17.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.942 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF103860.D
Acq: 22 Mar 2018 18:59

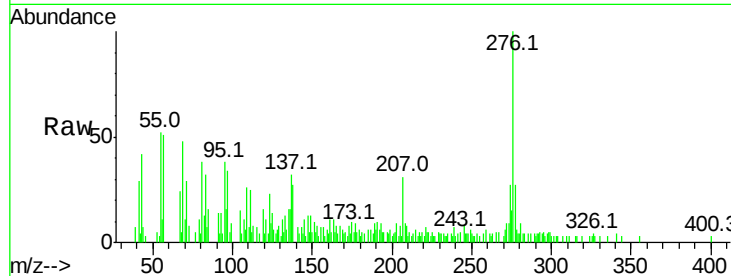
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	17.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.338 ng
 RT: 17.76 min Scan# 2664
 Delta R.T. -0.01 min
 Lab File: BF103860.D
 Acq: 22 Mar 2018 18:59

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9
138	27.1	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

