

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032218\
 Data File : BF103857.D
 Acq On : 22 Mar 2018 17:39
 Operator : JU/SJ
 Sample : J1997-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

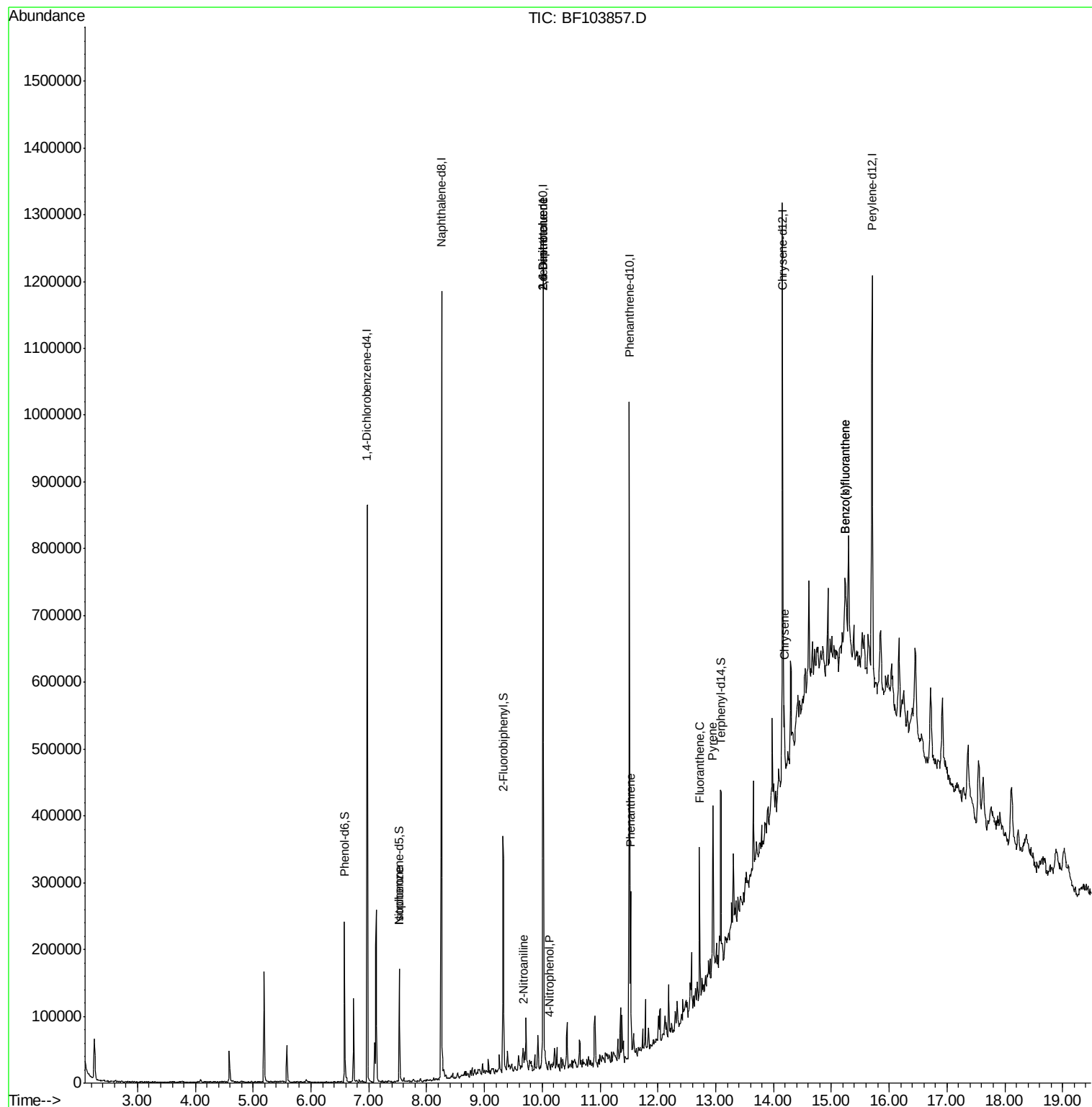
Quant Time: Mar 23 00:56:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

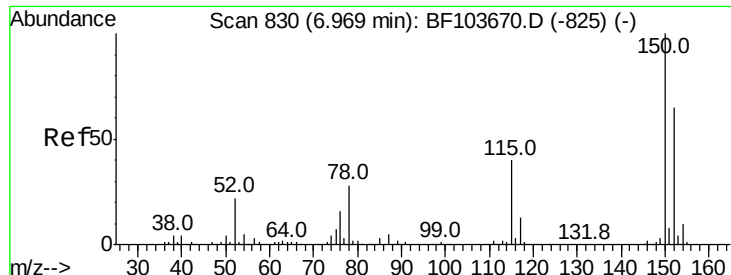
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141984	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	564475	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	244880	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	368426	20.00	ng	0.00
75) Chrysene-d12	14.16	240	297823	20.00	ng	0.00
86) Perylene-d12	15.70	264	225765	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	17751	1.90	ng	-0.01
7) Phenol-d6	6.58	99	80992	7.09	ng	-0.02
23) Nitrobenzene-d5	7.53	82	51344	6.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	542	0.26	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	116581	7.59	ng	0.00
78) Terphenyl-d14	13.09	244	86465	6.74	ng	0.00
Target Compounds						
25) Isophorone	7.53	82	51342	2.740	ng	# 64
47) 2-Nitroaniline	9.67	65	107	6.836	ng	# 2
50) 2,6-Dinitrotoluene	10.02	165	32963	12.347	ng	# 25
55) 4-Nitrophenol	10.12	139	280	5.047	ng	# 1
56) 2,4-Dinitrotoluene	10.02	165	32963	12.481	ng	# 23
70) Phenanthrene	11.53	178	79968	3.968	ng	98
74) Fluoranthene	12.72	202	85856	4.135	ng	98
77) Pyrene	12.96	202	72232	3.302	ng	98
82) Chrysene	14.19	228	37029	2.061	ng	98
87) Benzo(b)fluoranthene	15.24	252	47684	3.343	ng	# 56
88) Benzo(k)fluoranthene	15.24	252	47684	3.478	ng	# 60

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

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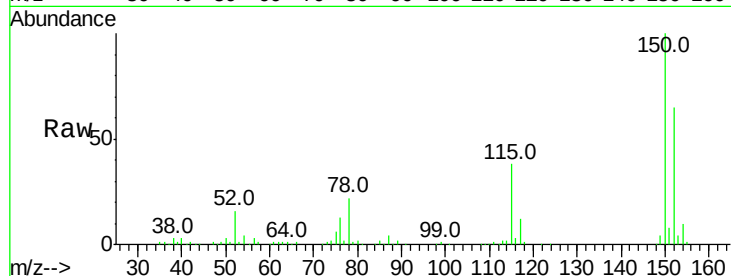




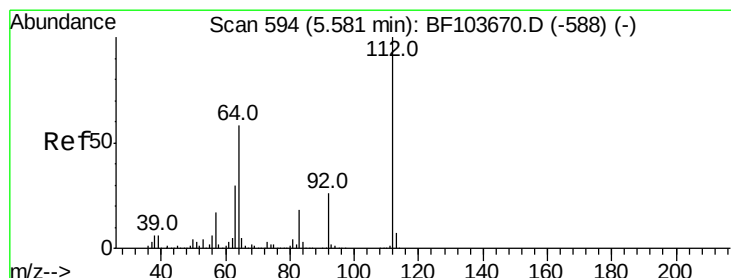
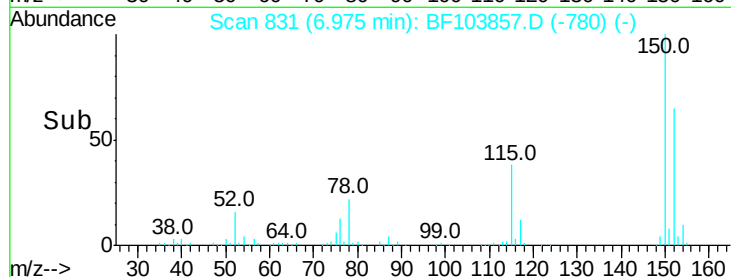
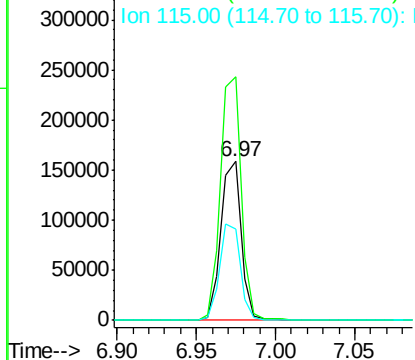
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	57.8	50.1	75.1



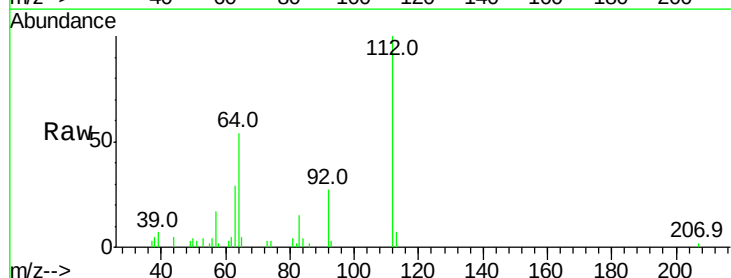
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



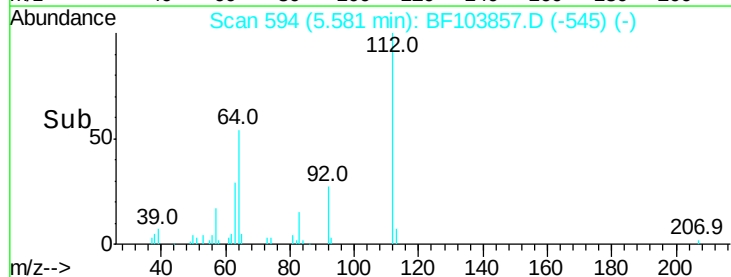
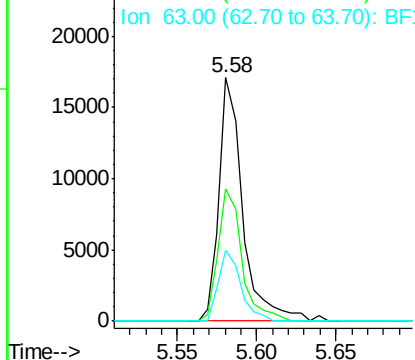
#5

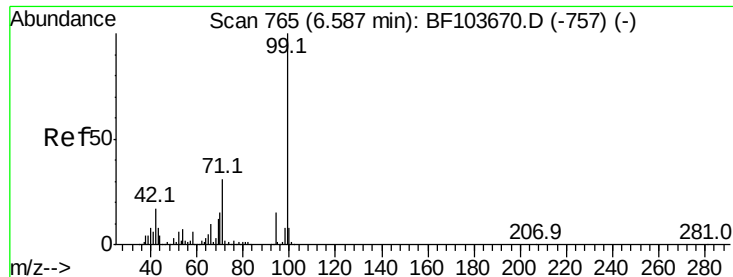
2-Fluorophenol
Concen: 1.902 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	47.9	71.9
63	29.2	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: 7.092 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

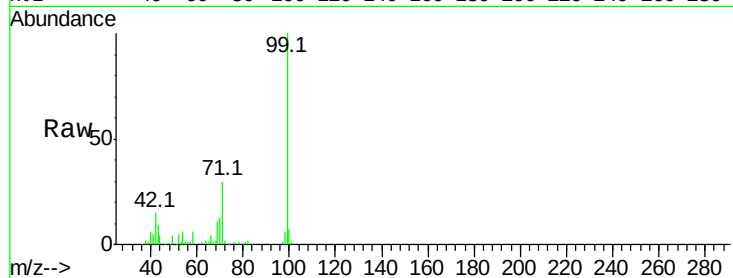
Tot Ion: 99 Resp: 80992

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

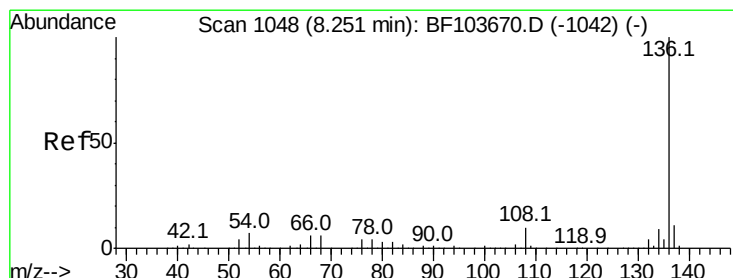
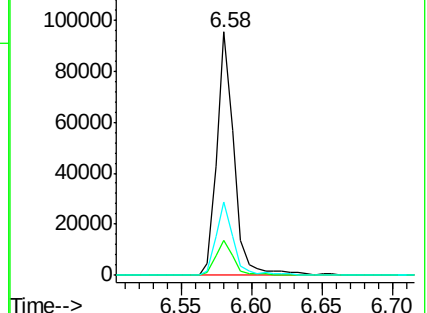
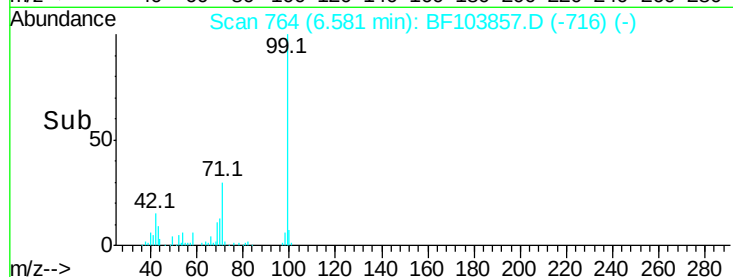
71 30.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Tgt Ion: 136 Resp: 564475

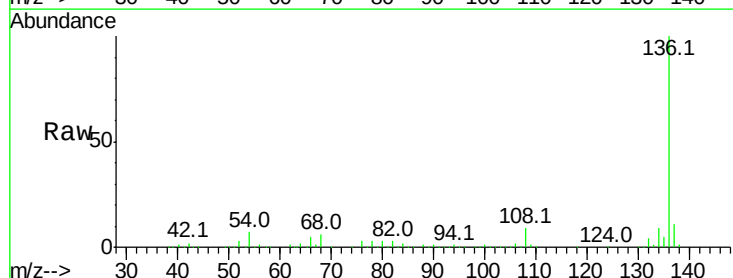
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.6 6.6 9.8

68 5.8 5.0 7.4

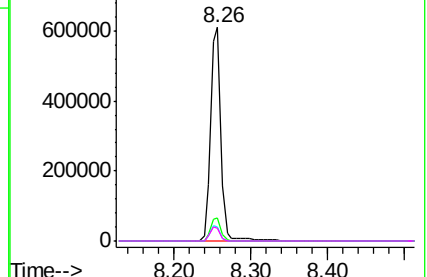
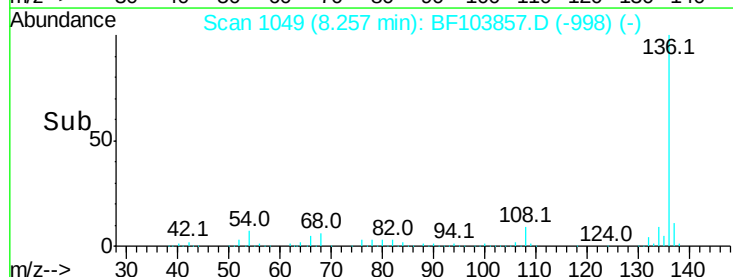


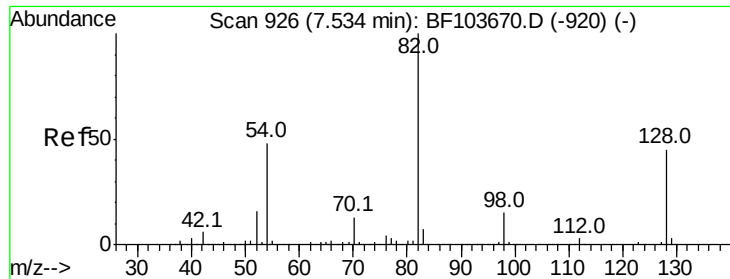
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

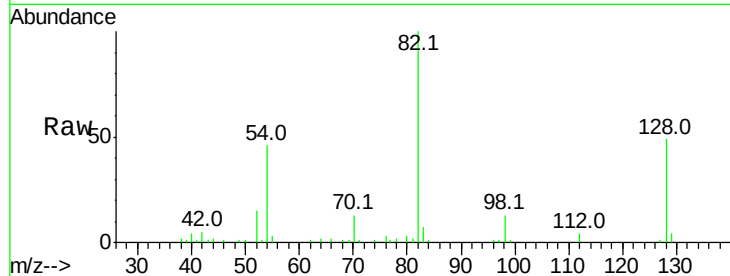
Ion 68.00 (67.70 to 68.70): BF1



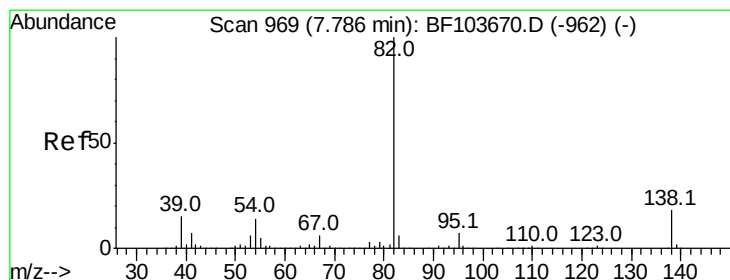
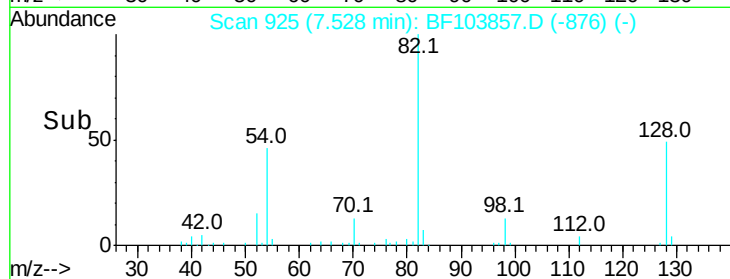
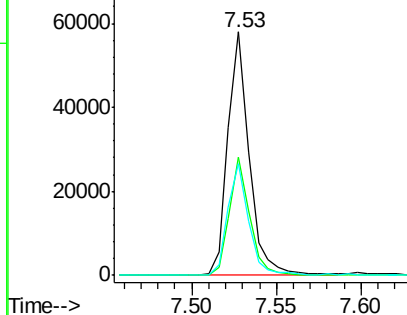


#23
 Nitrobenzene-d5
 Concen: 6.343 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Tot Ion	82	Resp	51344
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	46.0	41.4	62.2

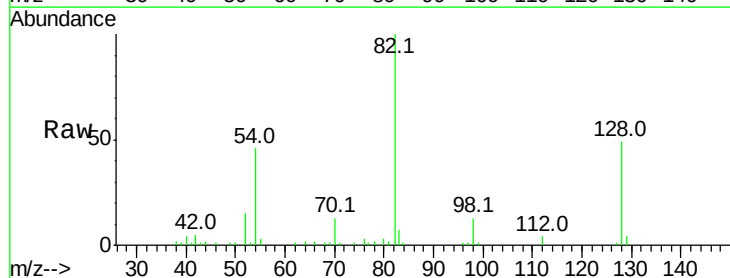


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

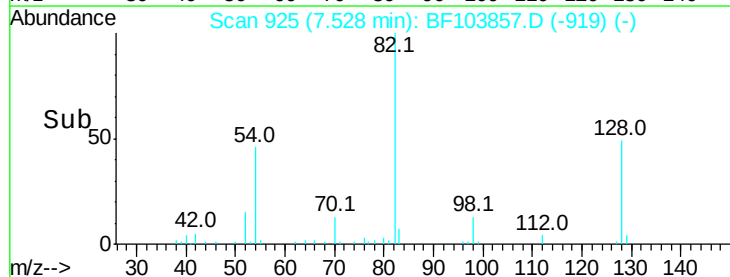
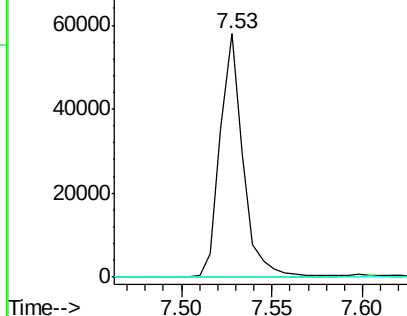


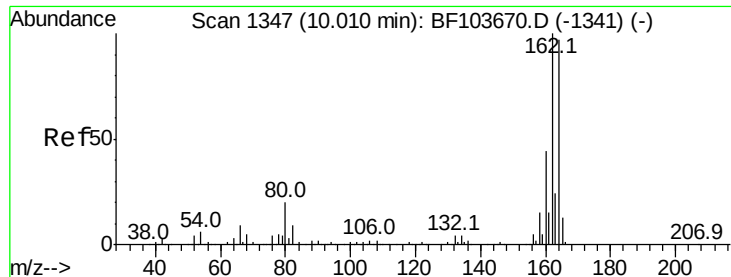
#25
 Isophorone
 Concen: 2.740 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.26 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Tgt Ion	82	Resp	51342
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.0	14.9	22.3#
138	0.0		



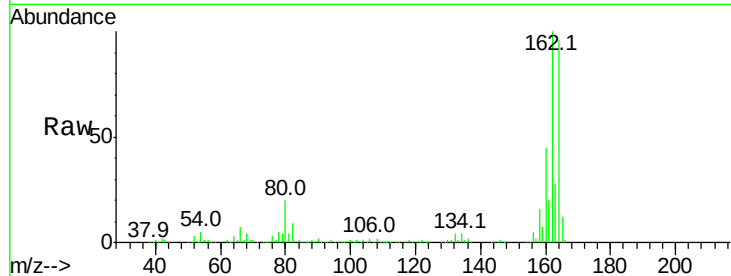
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1



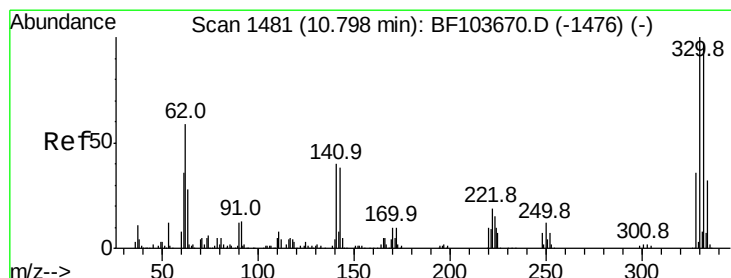
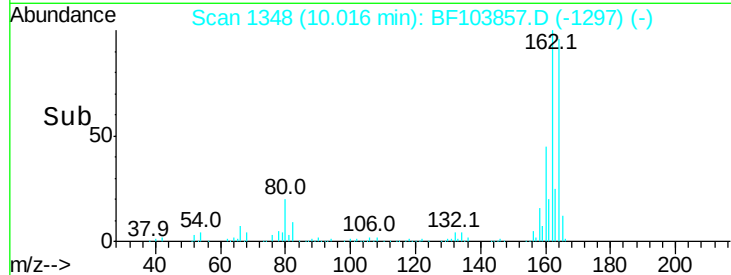
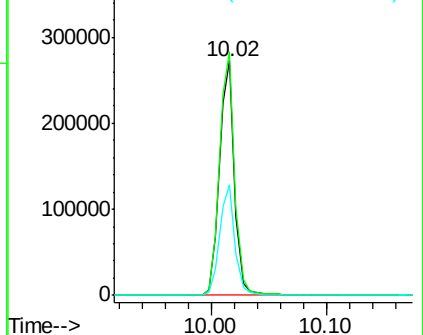


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Tot Ion:164 Resp: 244880
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 47.1 38.3 57.5

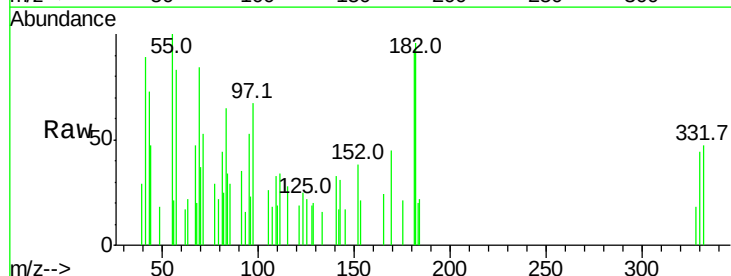


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

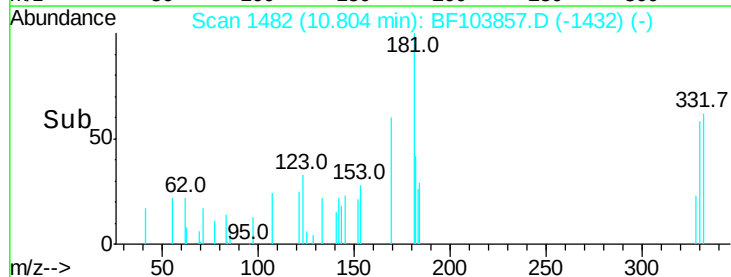
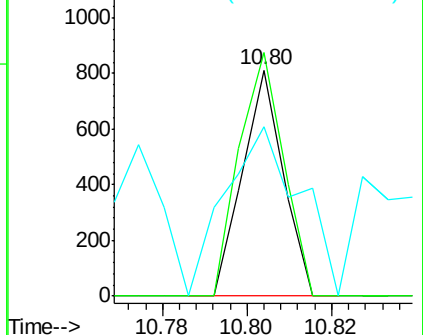


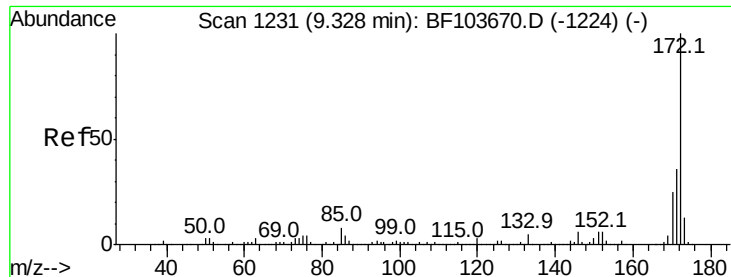
#41
 2,4,6-Tribromophenol
 Concen: 0.257 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Tgt Ion:330 Resp: 542
 Ion Ratio Lower Upper
 330 100
 332 117.7 77.0 115.6#
 141 137.3 29.9 44.9#



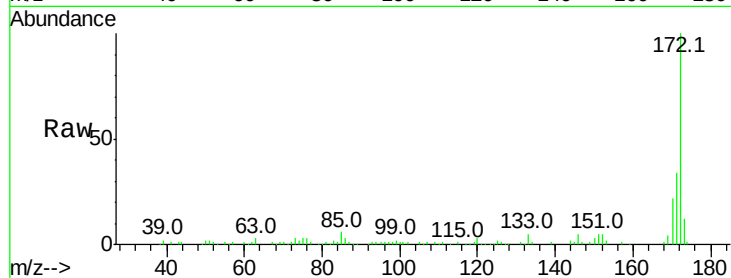
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



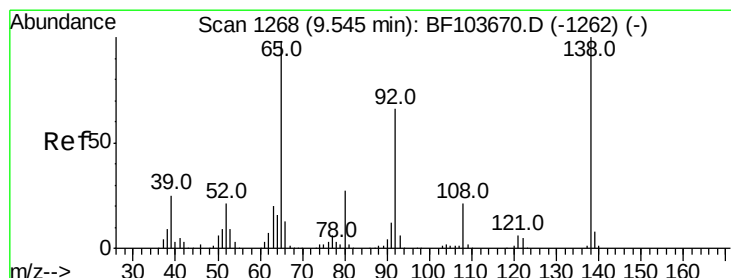
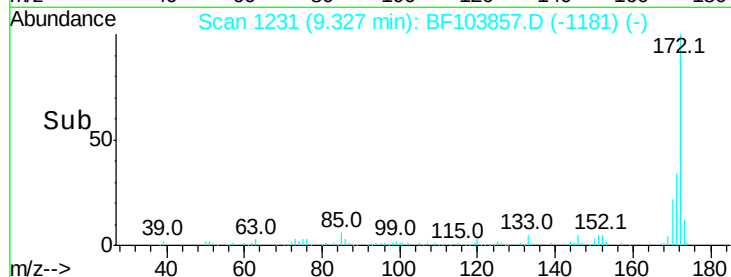
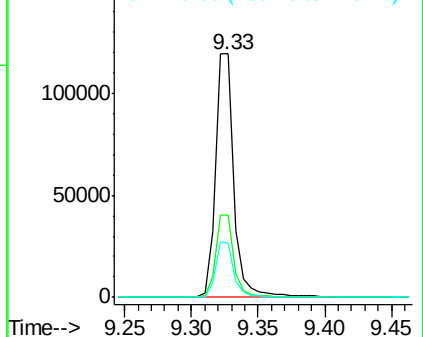


#44
 2-Fluorobiphenyl
 Concen: 7.594 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.7	44.5
170	22.1	19.6	29.4

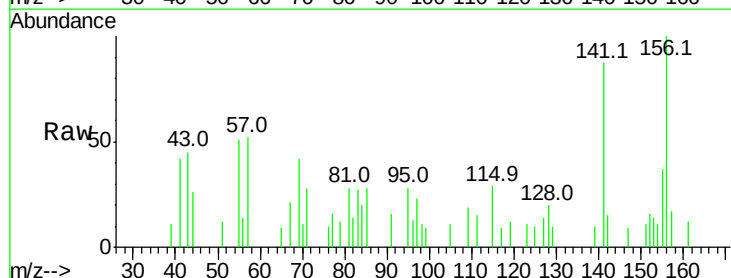


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

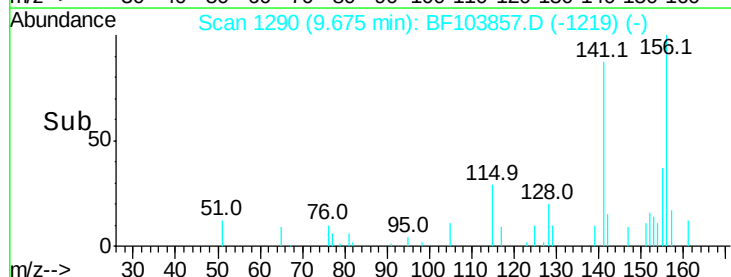
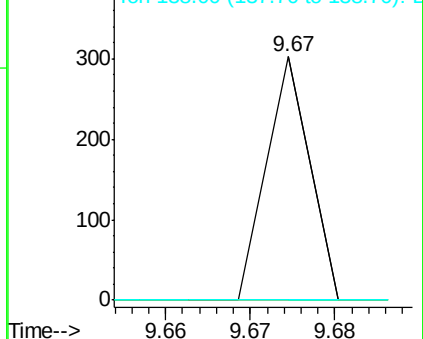


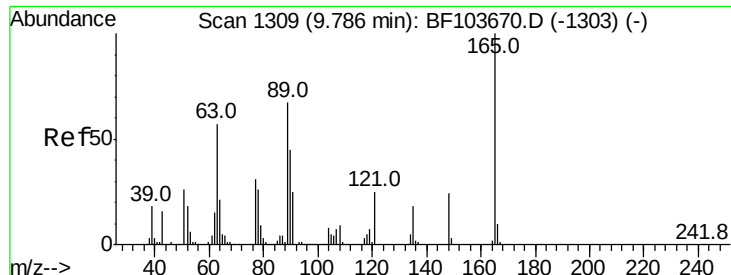
#47
 2-Nitroaniline
 Concen: 6.836 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. 0.12 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Tgt 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





#50

2,6-Dinitrotoluene

Concen: 12.347 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.22 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

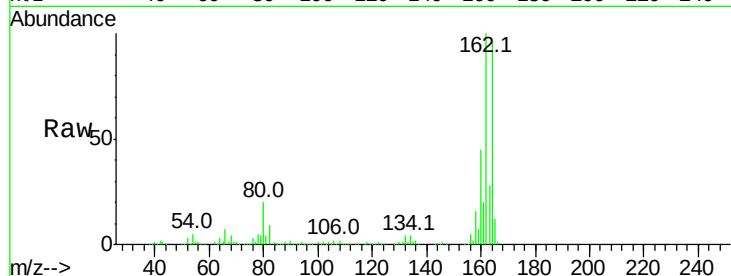
Tot Ion:165 Resp: 32963

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

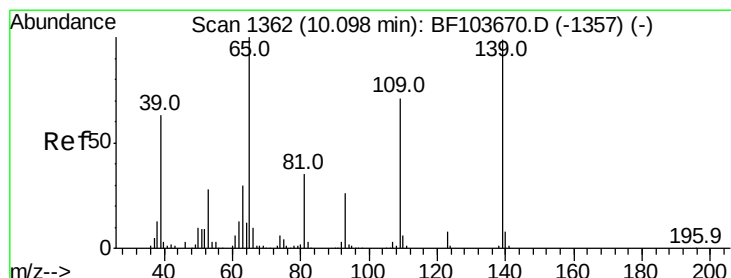
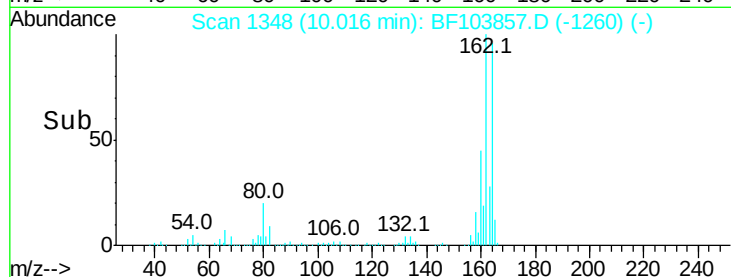
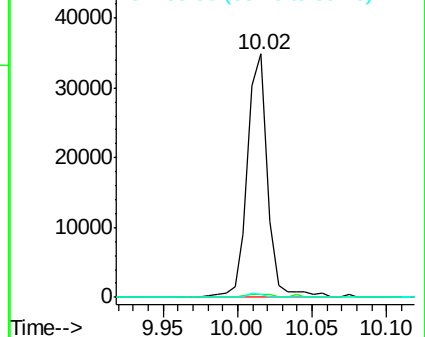
89 1.5 44.0 66.0#



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



#55

4-Nitrophenol

Concen: 5.047 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

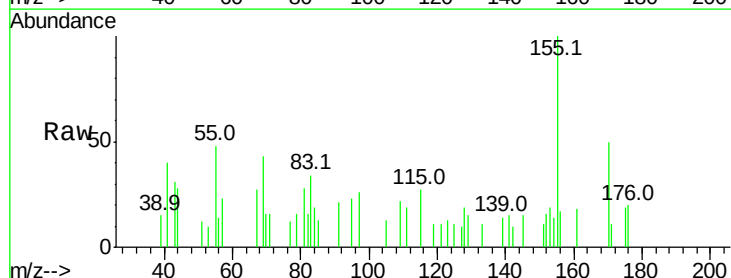
Tgt Ion:139 Resp: 280

Ion Ratio Lower Upper

139 100

109 154.9 48.4 88.4#

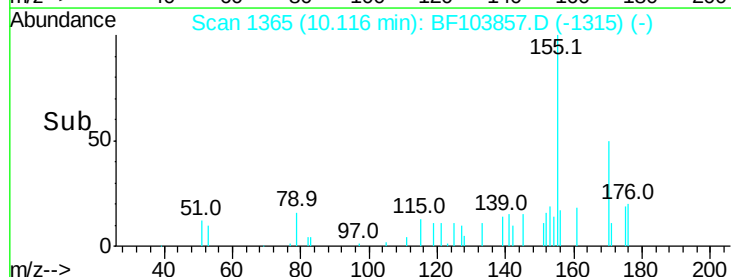
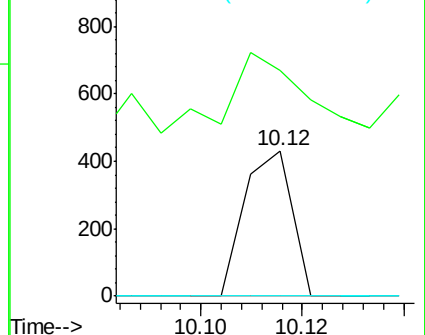
65 0.0 72.6 112.6#

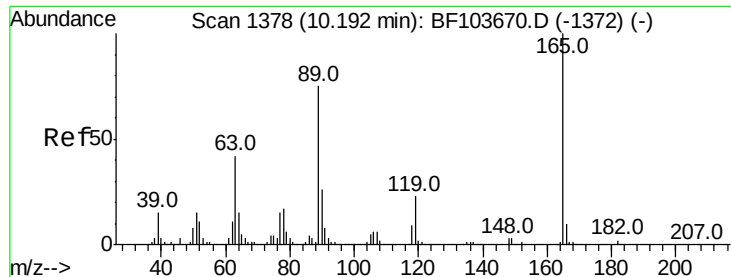


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

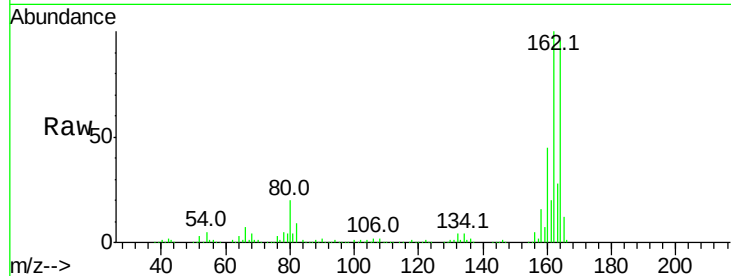
Ion 65.00 (64.70 to 65.70): BF1





#56
2,4-Dinitrotoluene
Concen: 12.481 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.19 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

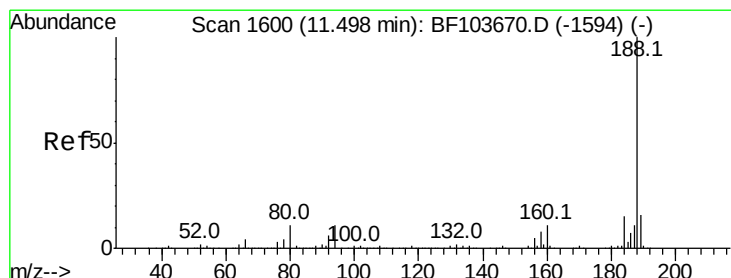
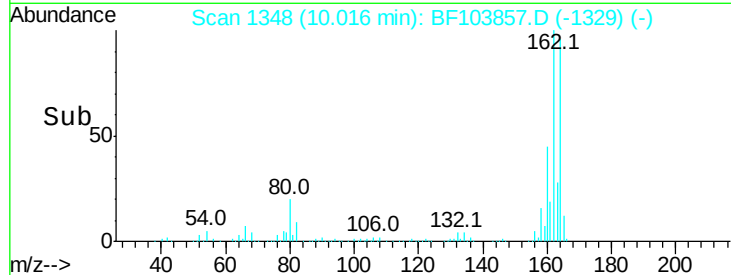
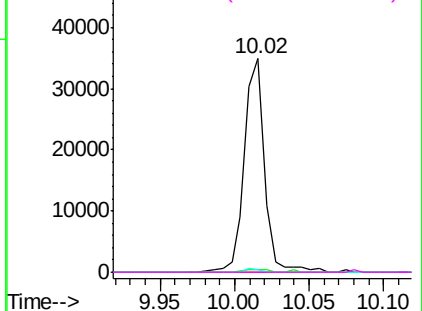


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

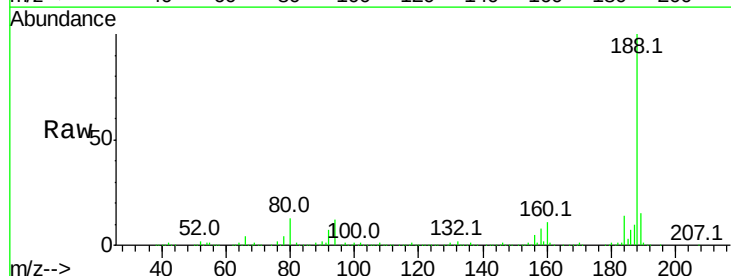
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

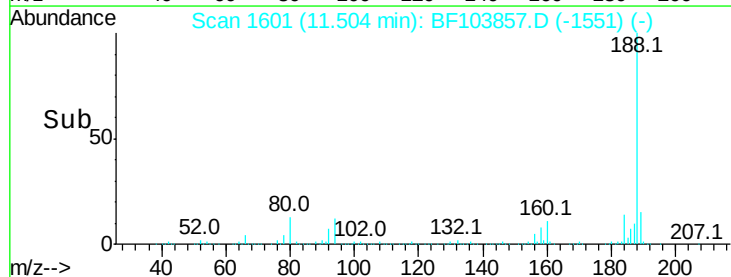
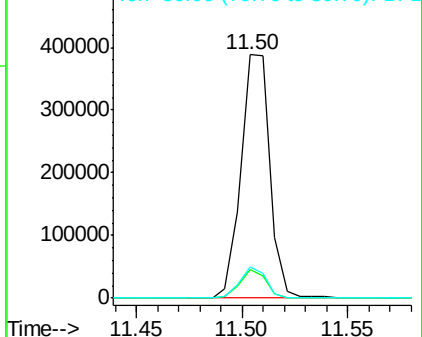
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.7	9.2	13.8

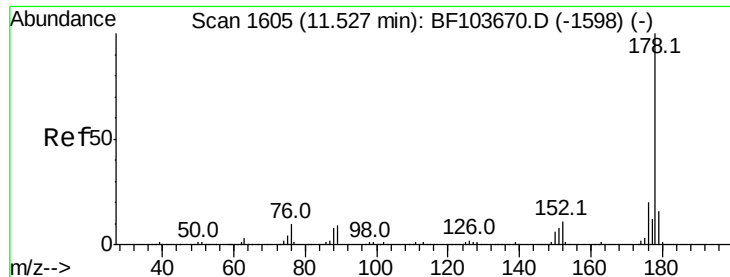


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

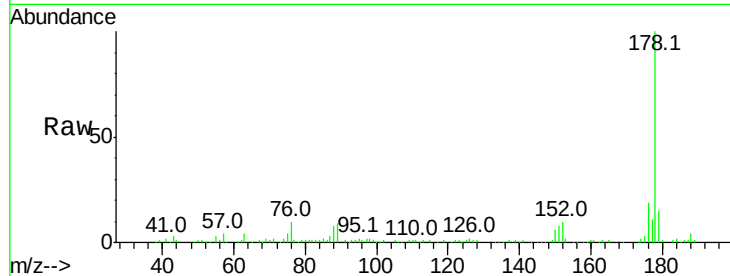
Ion 80.00 (79.70 to 80.70): BF1



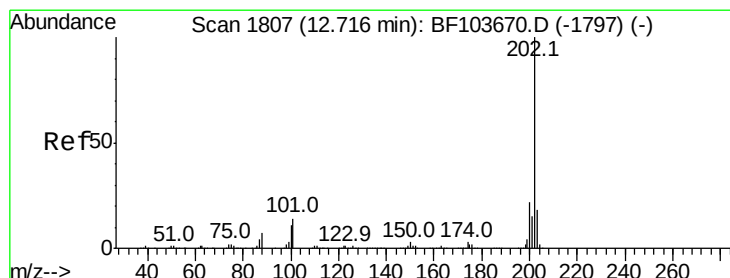
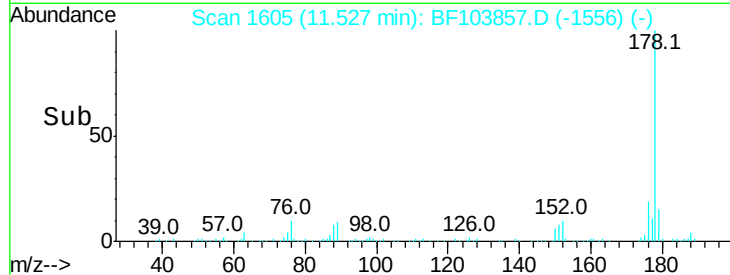
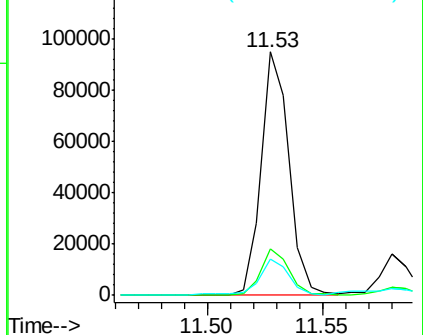


#70
Phenanthrene
Concen: 3.968 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tot Ion:178 Resp: 79968
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.1 13.0 19.6

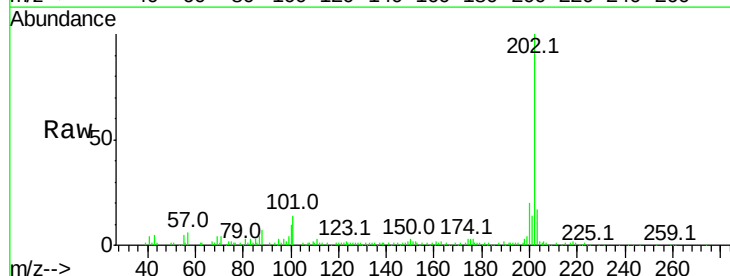


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

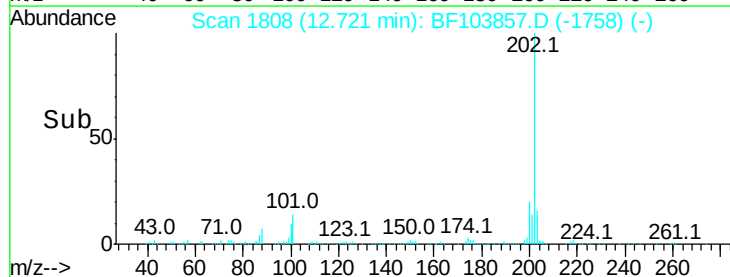
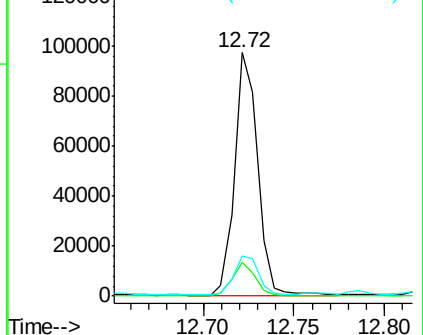


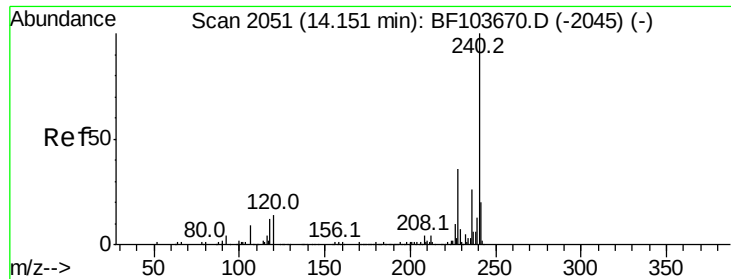
#74
Fluoranthene
Concen: 4.135 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tgt Ion:202 Resp: 85856
Ion Ratio Lower Upper
202 100
101 13.7 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# 2052

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

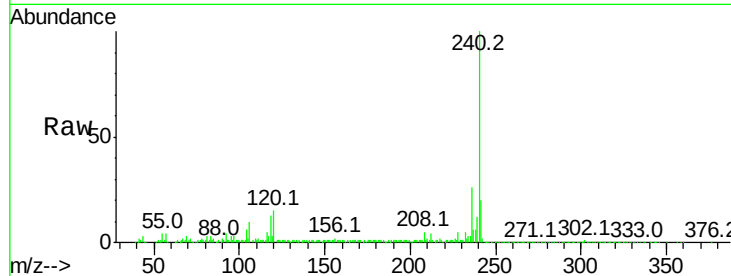
Tot Ion:240 Resp: 297823

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

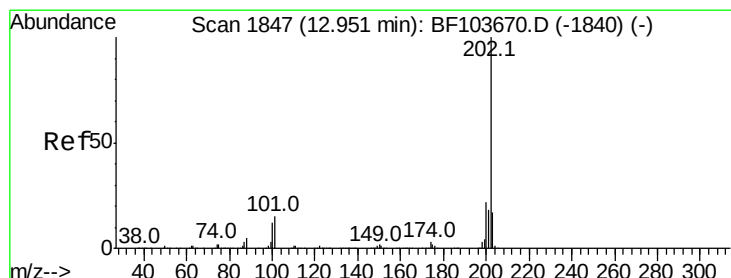
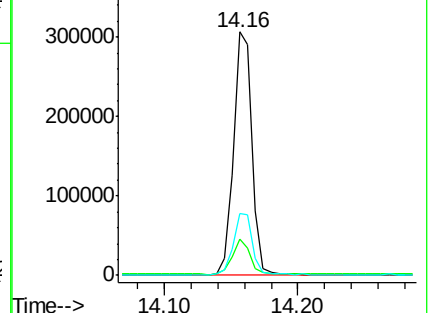
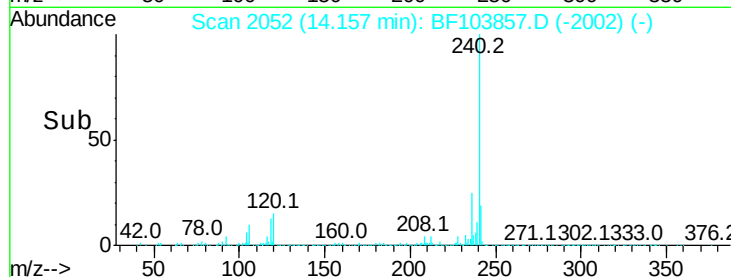
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.302 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

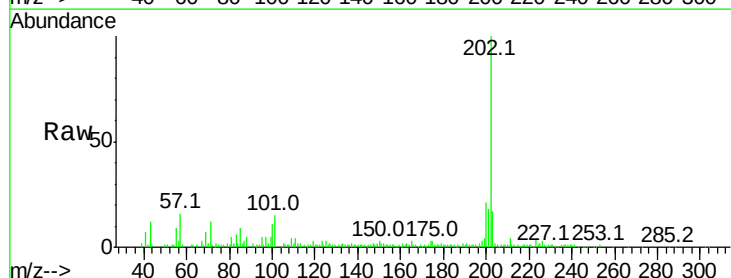
Tgt Ion:202 Resp: 72232

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

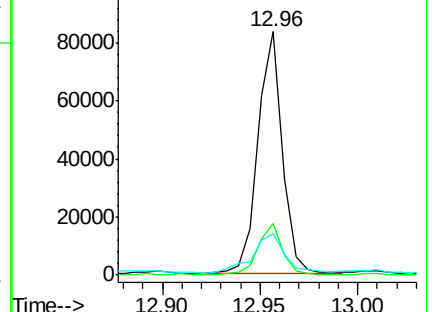
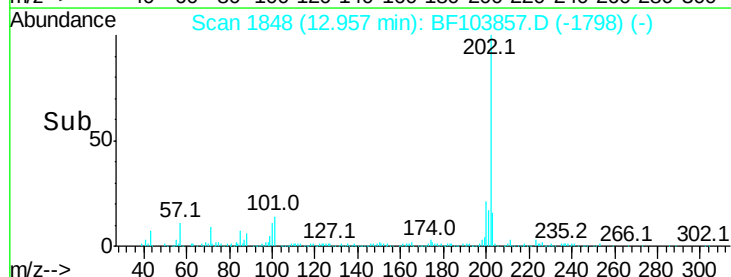
203 16.8 14.3 21.5

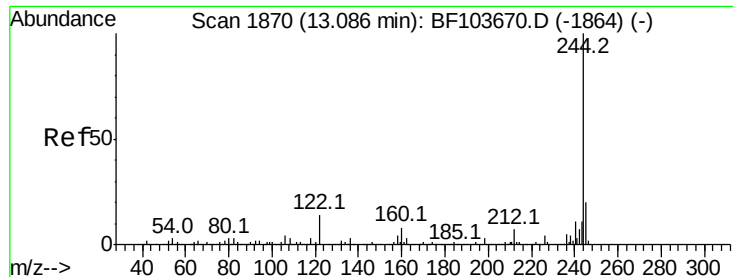


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.739 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

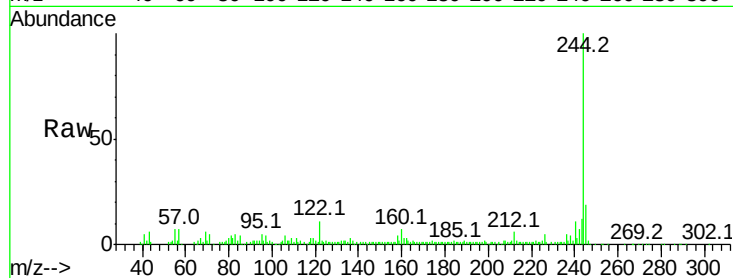
Tot Ion:244 Resp: 86465

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

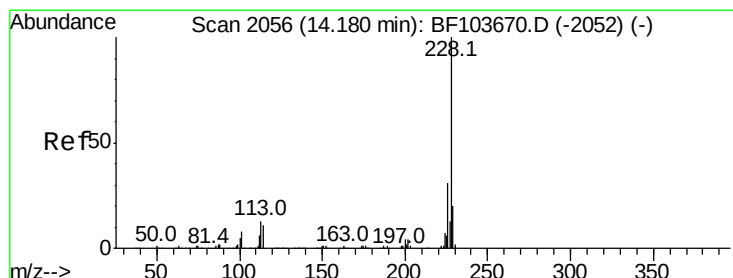
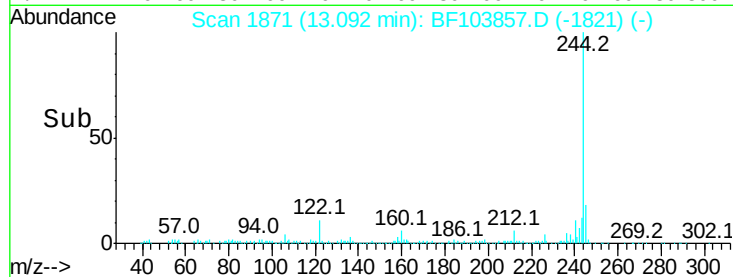
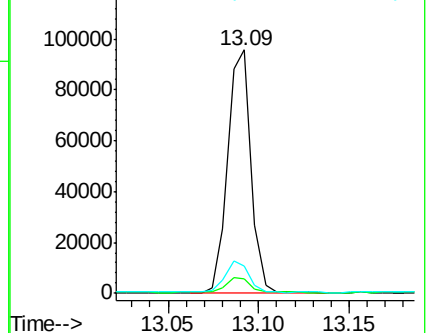
122 11.0 11.0 16.4



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



#82

Chrysene

Concen: 2.061 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

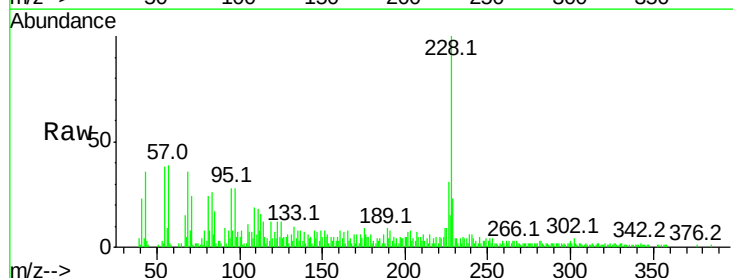
Tgt Ion:228 Resp: 37029

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

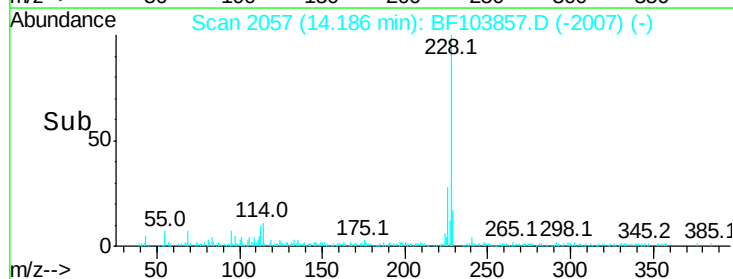
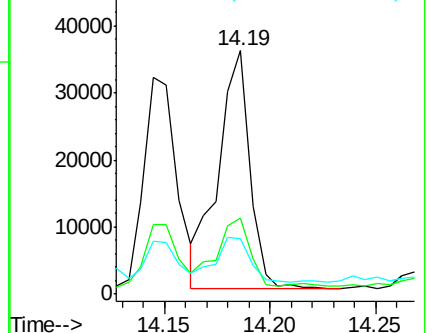
229 22.6 16.2 24.4

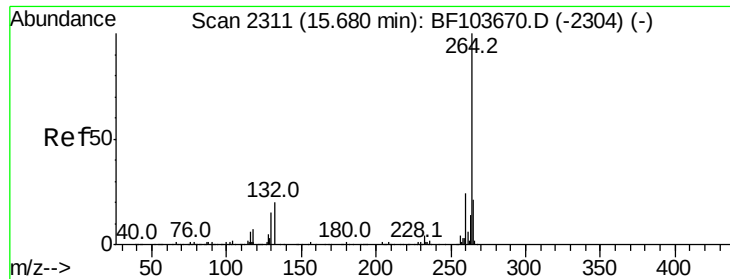


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

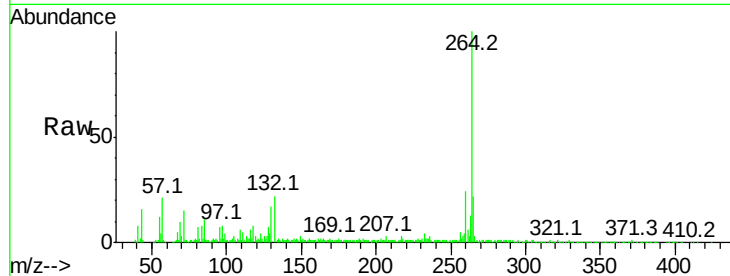
Ion 229.00 (228.70 to 229.70): E



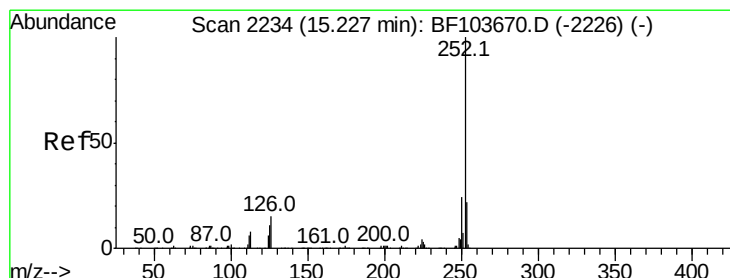
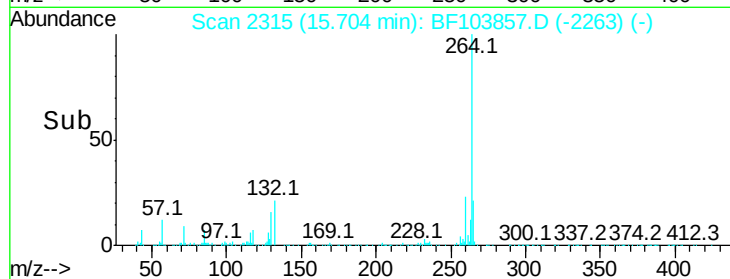
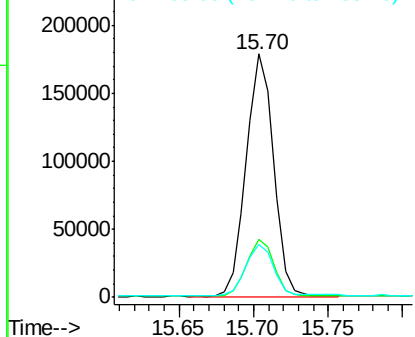


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.7	17.5	26.3

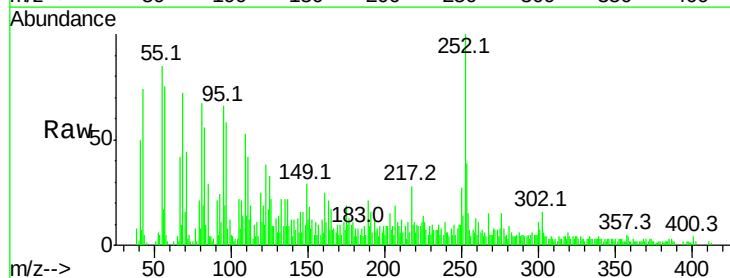


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

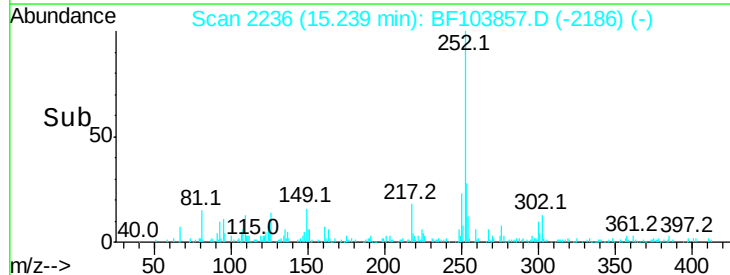
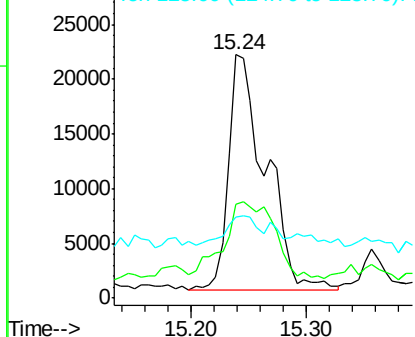


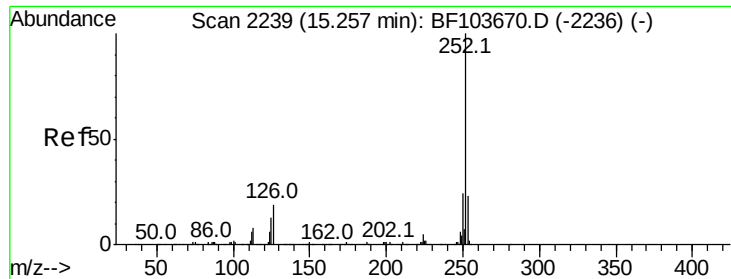
#87
Benzo(b)fluoranthene
Concen: 3.343 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.5	17.0	25.6#
125	33.5	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: 3.478 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.04 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Tot Ion: 252 Resp: 47684

Ion Ratio Lower Upper

252 100

253 38.5 17.9 26.9#

125 33.5 10.2 15.2#

