

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032218\
 Data File : BF103855.D
 Acq On : 22 Mar 2018 16:46
 Operator : JU/SJ
 Sample : J1756-07 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 00:55:28 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	156598	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	629873	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	283689	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	447581	20.00	ng	0.00
75) Chrysene-d12	14.16	240	309695	20.00	ng	0.00
86) Perylene-d12	15.71	264	290863	20.00	ng	0.01

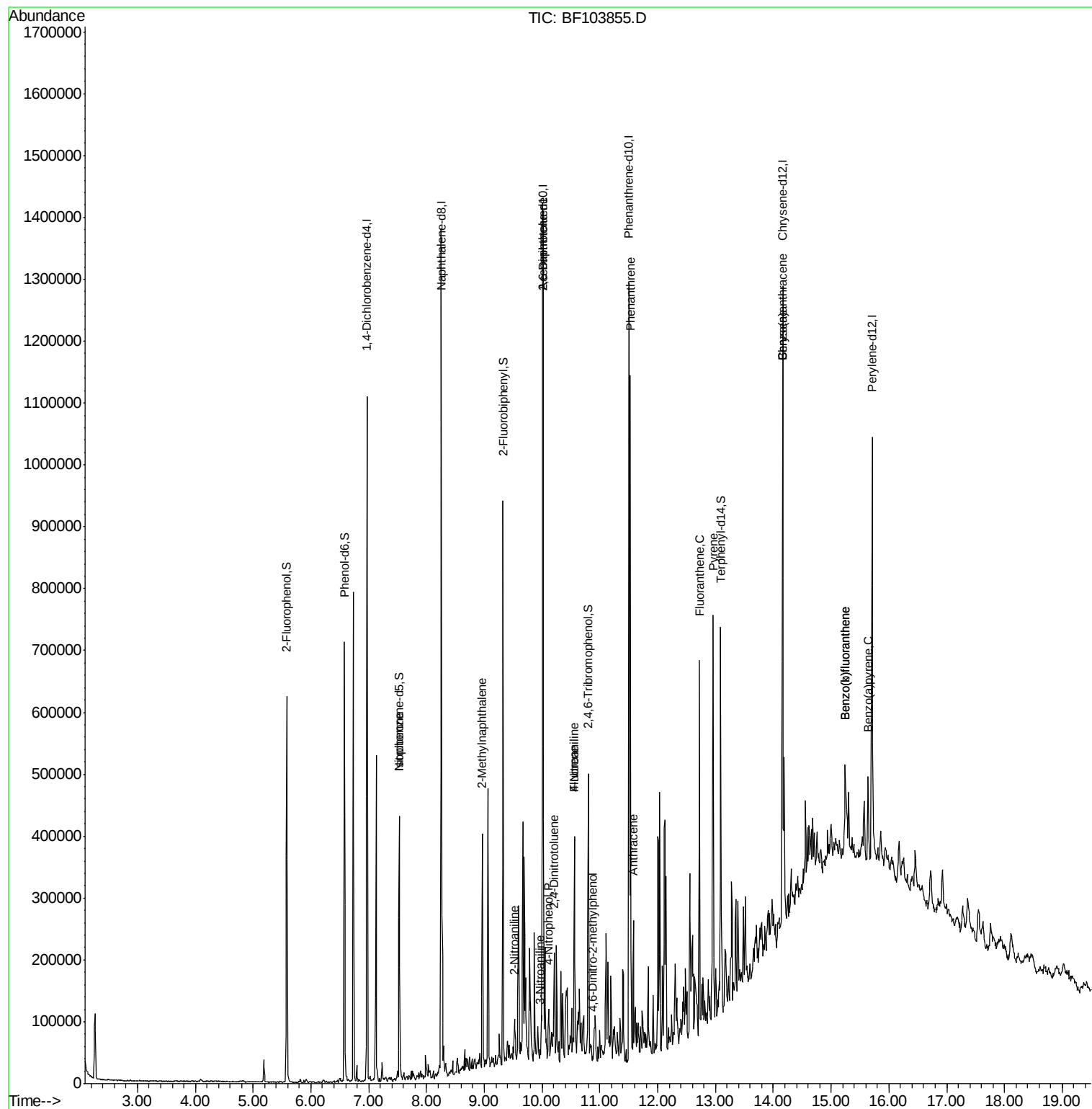
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	172828	16.79	ng	-0.01
7) Phenol-d6	6.58	99	219392	17.42	ng	-0.02
23) Nitrobenzene-d5	7.53	82	123927	13.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	46581	19.10	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	264247	14.86	ng	-0.01
78) Terphenyl-d14	13.09	244	197659	14.81	ng	-0.01

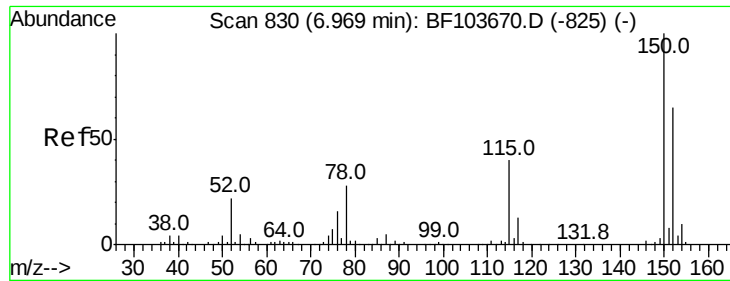
Target Compounds				Qvalue		
25) Isophorone	7.53	82	123923	5.927	ng	# 64
37) 2-Methylnaphthalene	8.96	142	101561	5.033	ng	99
47) 2-Nitroaniline	9.52	65	763	6.947	ng	# 2
50) 2,6-Dinitrotoluene	10.01	165	40907	12.943	ng	# 25
52) 3-Nitroaniline	9.96	138	109	3.834	ng	# 2
55) 4-Nitrophenol	10.12	139	2300	5.514	ng	# 61
56) 2,4-Dinitrotoluene	10.21	165	1537	6.466	ng	# 47
57) Fluorene	10.56	166	90309	4.710	ng	98
61) 4-Nitroaniline	10.56	138	1304	3.998	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.88	198	126	8.200	ng	# 1
70) Phenanthrene	11.53	178	379355	15.494	ng	97
71) Anthracene	11.58	178	74726	3.005	ng	99
74) Fluoranthene	12.72	202	197011	7.811	ng	99
77) Pyrene	12.96	202	258018	11.345	ng	98
80) Benzo(a)anthracene	14.15	228	98857	5.043	ng	95
82) Chrysene	14.15	228	98857	5.290	ng	96
87) Benzo(b)fluoranthene	15.24	252	102658	5.587	ng	# 88
88) Benzo(k)fluoranthene	15.24	252	102658	5.812	ng	# 91
89) Benzo(a)pyrene	15.64	252	68516	4.111	ng	# 90

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

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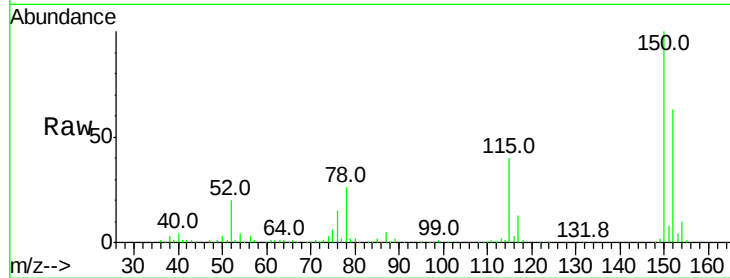




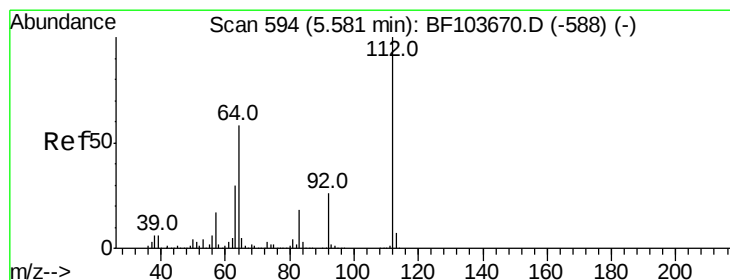
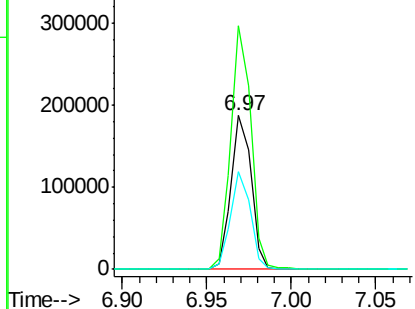
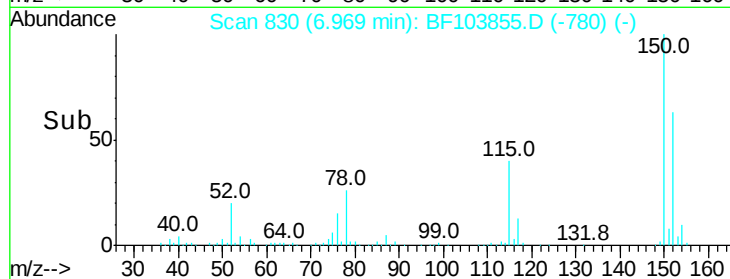
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	63.9	50.1	75.1



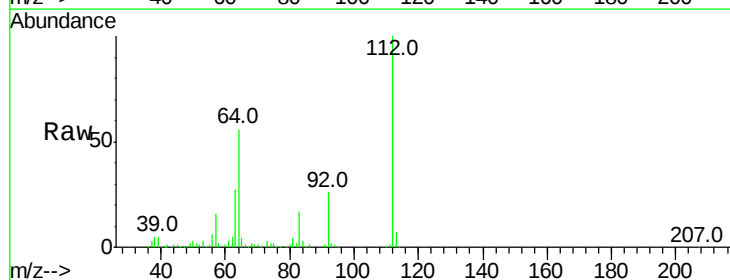
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



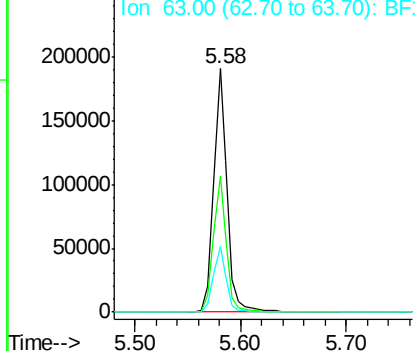
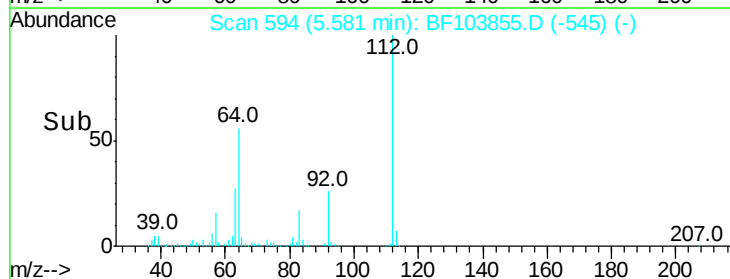
#5

2-Fluorophenol
Concen: 16.786 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	27.2	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: 17.417 ng

RT: 6.58 min Scan# 764

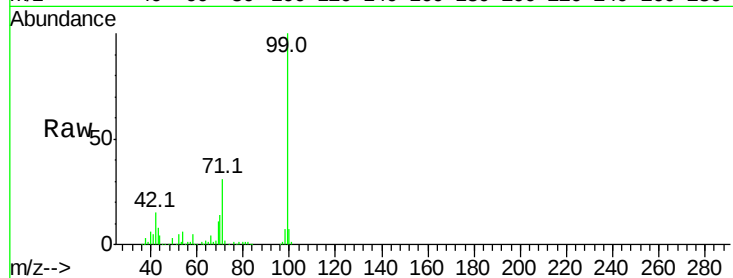
Delta R.T. -0.02 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

Tot Ion: 99 Resp: 219392

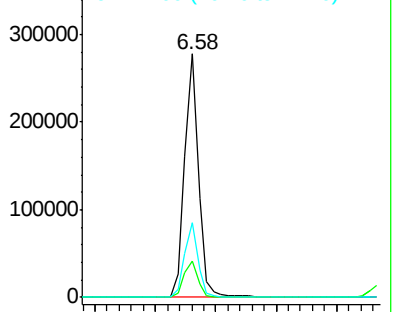
Ion	Ratio	Lower	Upper
99	100		
42	14.8	14.5	21.7
71	30.6	25.4	38.0



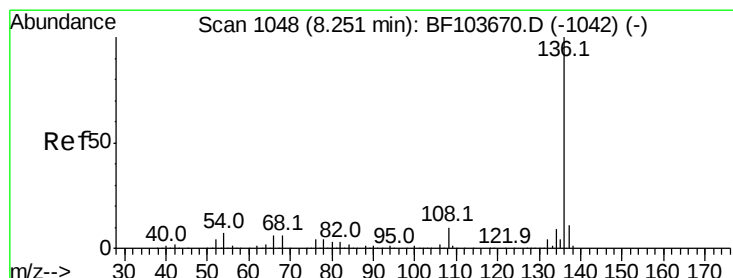
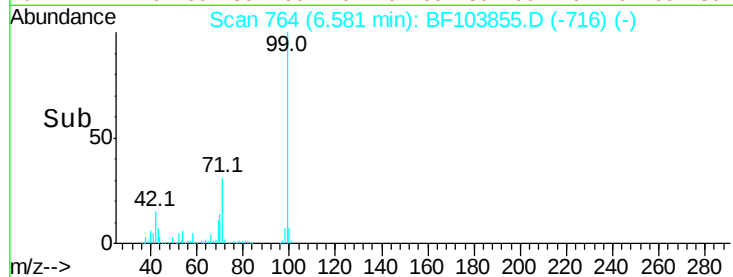
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

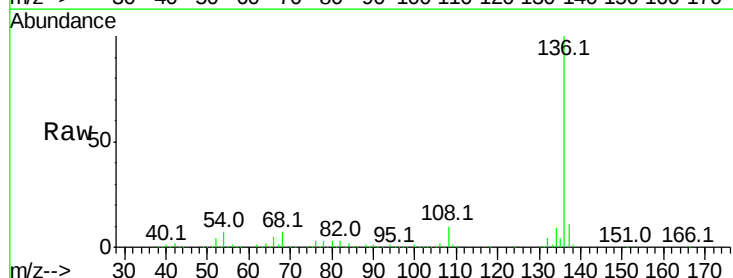
Delta R.T. -0.01 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

Tgt Ion: 136 Resp: 629873

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.4	6.6	9.8
68	6.5	5.0	7.4

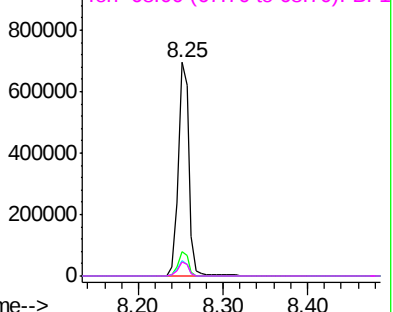


Abundance Ion 136.00 (135.70 to 136.70): E

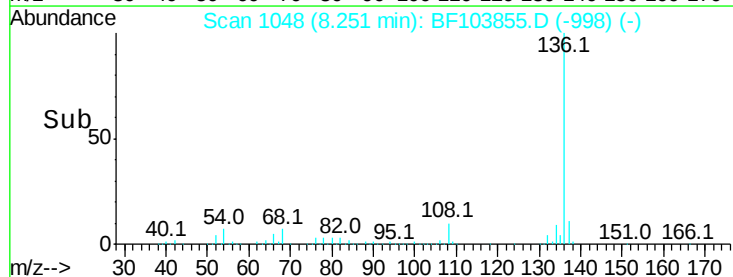
Ion 137.00 (136.70 to 137.70): E

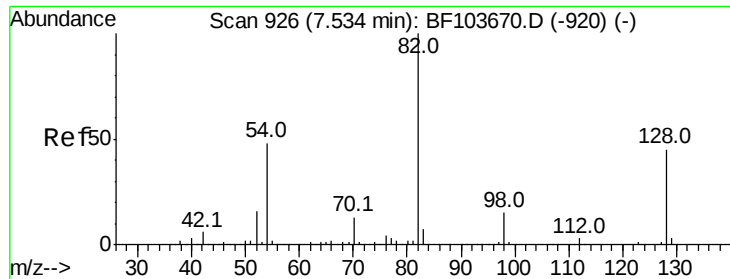
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->





#23

Nitrobenzene-d5

Concen: 13.720 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

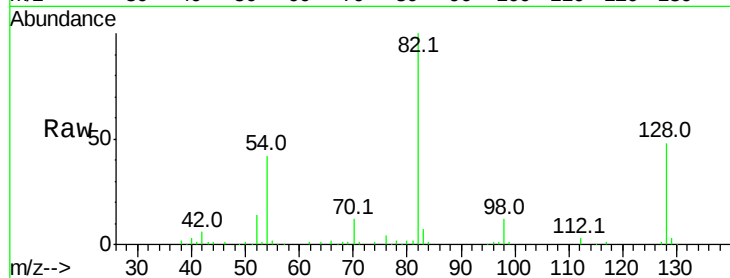
Tot Ion: 82 Resp: 123927

Ion Ratio Lower Upper

82 100

128 48.4 36.1 54.1

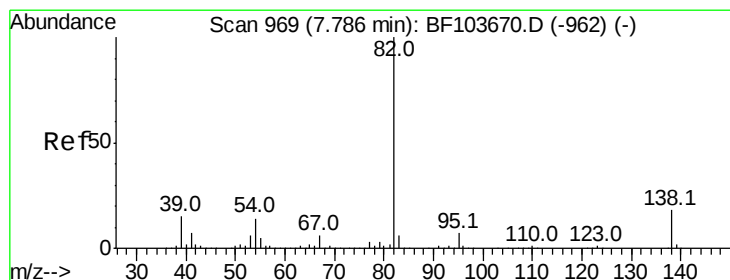
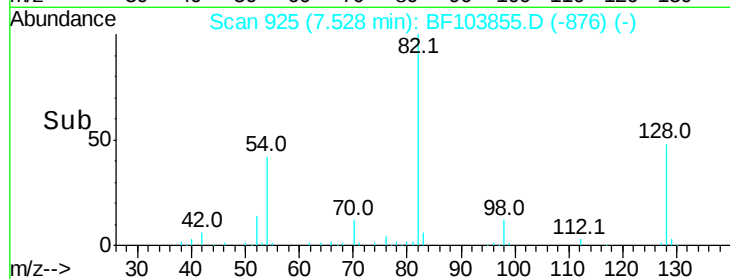
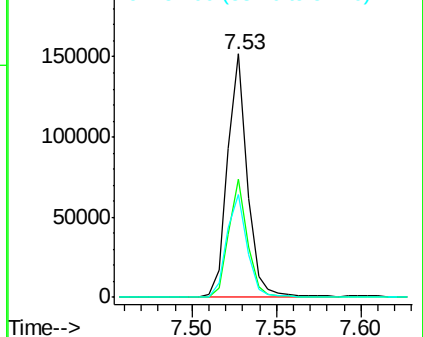
54 42.4 41.4 62.2



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: 5.927 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

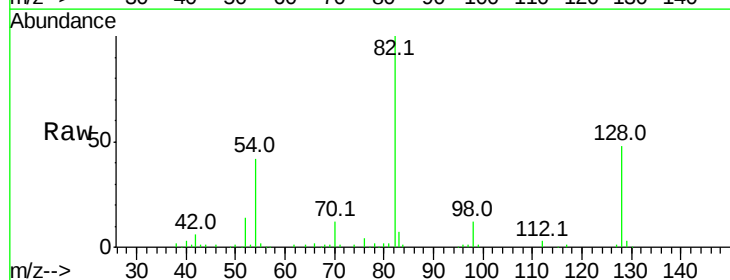
Tgt Ion: 82 Resp: 123923

Ion Ratio Lower Upper

82 100

95 0.3 5.2 7.8#

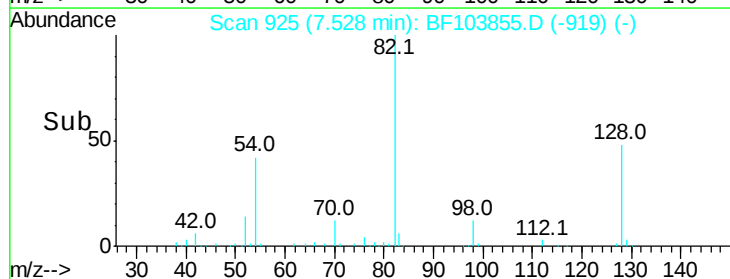
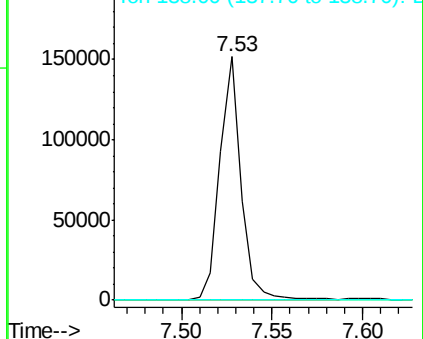
138 0.0 14.9 22.3#

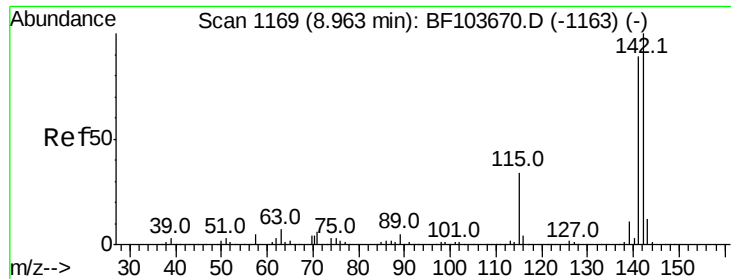


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

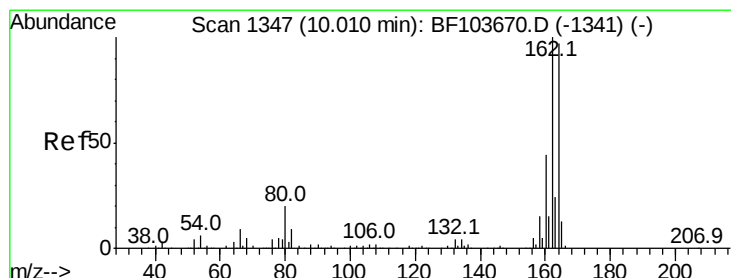
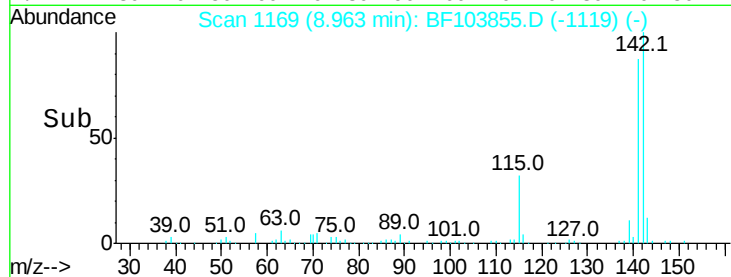
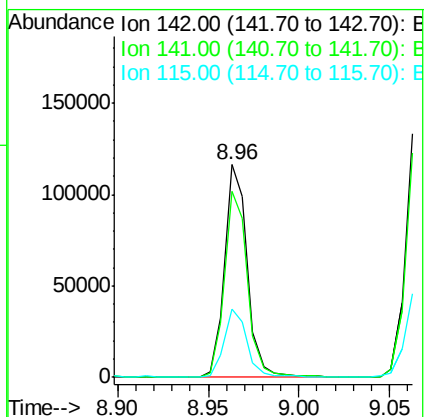
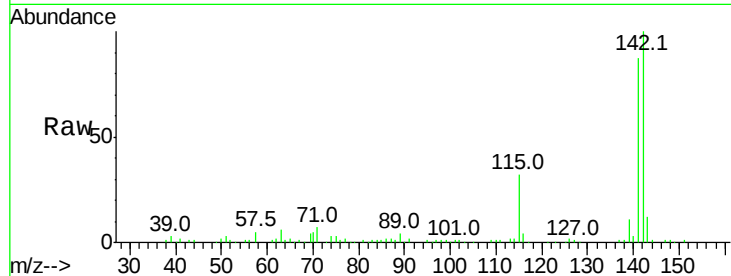
Ion 138.00 (137.70 to 138.70): BF1





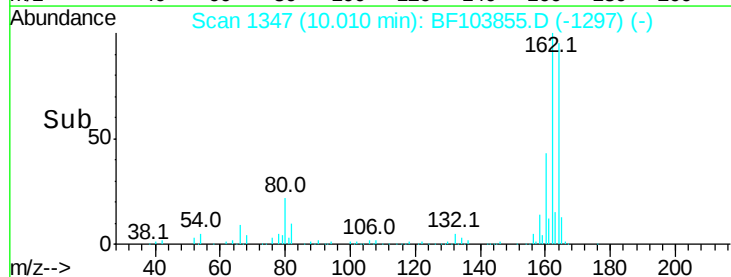
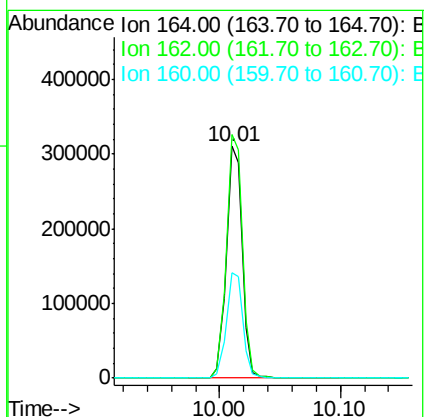
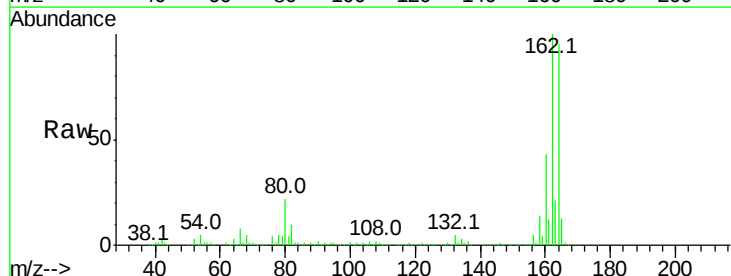
#37
2-Methylnaphthalene
Concen: 5.033 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

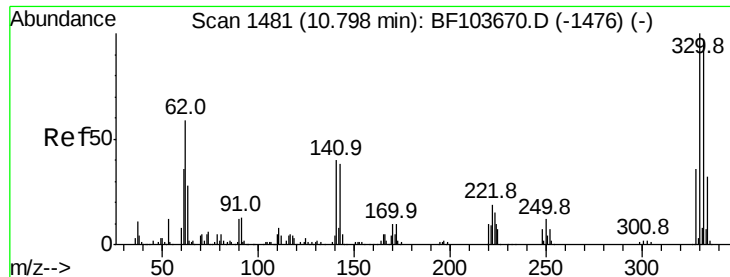
Tot Ion:142 Resp: 101561
Ion Ratio Lower Upper
142 100
141 87.2 70.8 106.2
115 32.1 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

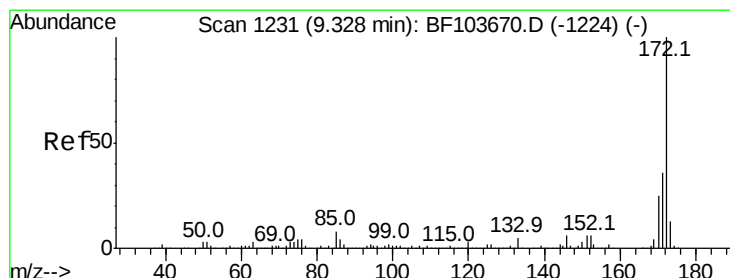
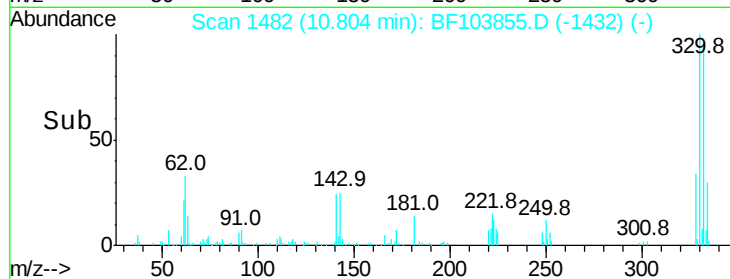
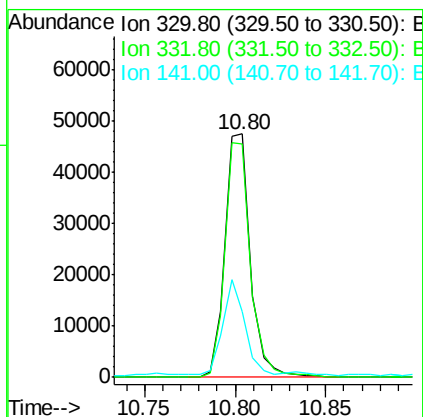
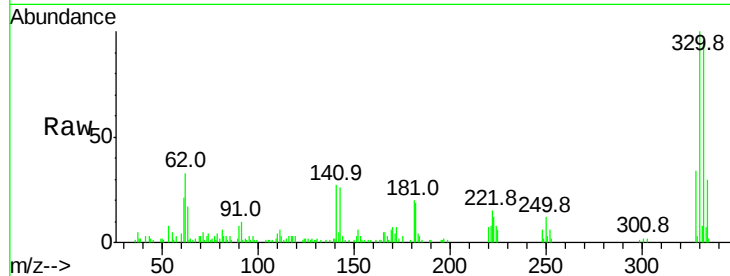
Tgt Ion:164 Resp: 283689
Ion Ratio Lower Upper
164 100
162 105.1 86.1 129.1
160 45.5 38.3 57.5





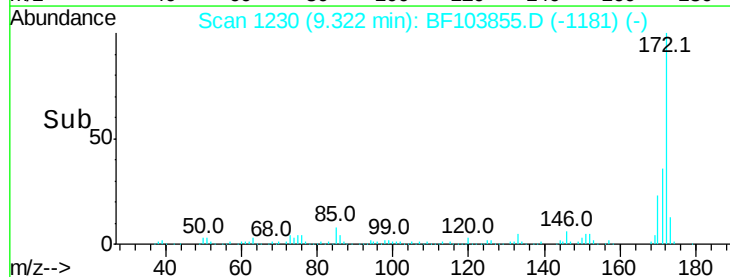
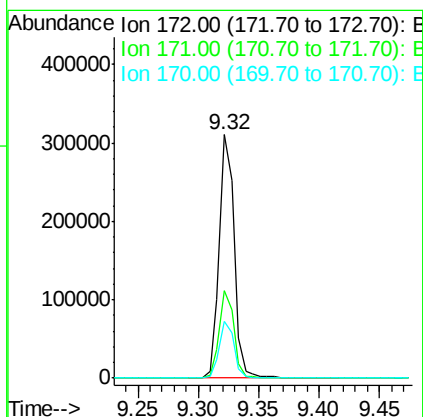
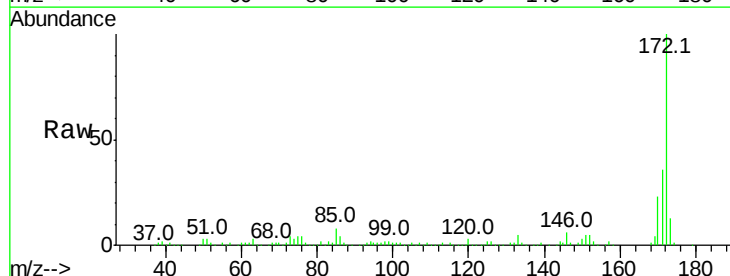
#41
 2,4,6-Tribromophenol
 Concen: 19.097 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103855.D
 Acq: 22 Mar 2018 16:46

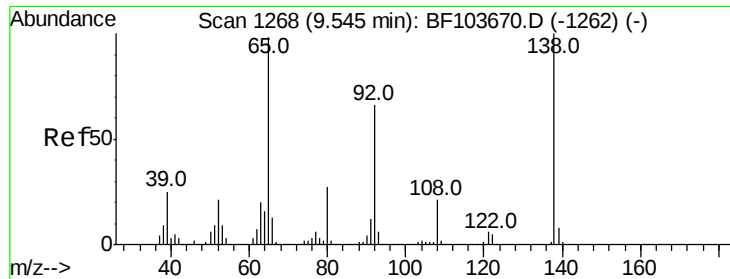
Tot Ion:330 Resp: 46581
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 33.4 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 14.858 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103855.D
 Acq: 22 Mar 2018 16:46

Tgt Ion:172 Resp: 264247
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.3 19.6 29.4





#47

2-Nitroaniline

Concen: 6.947 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.04 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

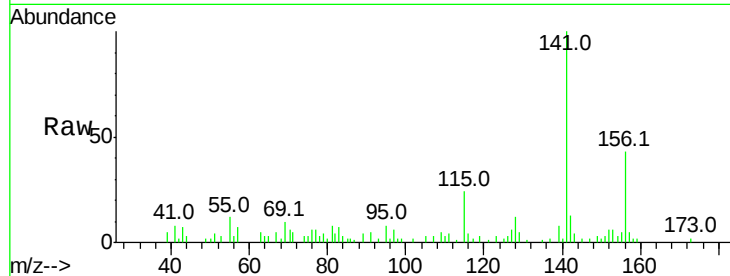
Tot Ion: 65 Resp: 763

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): BF1

Time-->

9.50 9.52 9.54 9.56

800

600

400

200

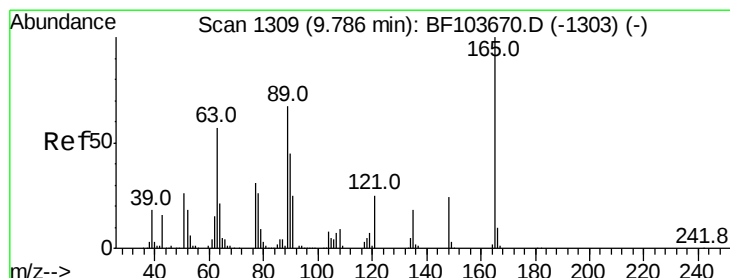
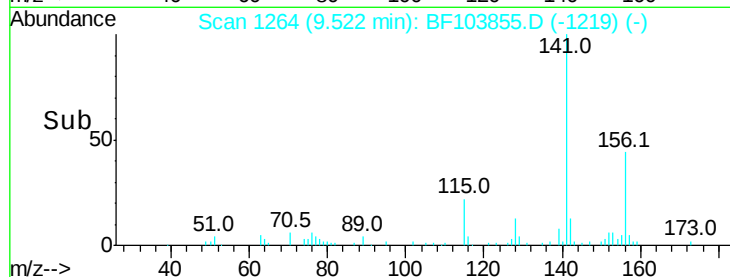
0

9.50 9.52 9.54 9.56

9.52

9.54

9.56



#50

2,6-Dinitrotoluene

Concen: 12.943 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

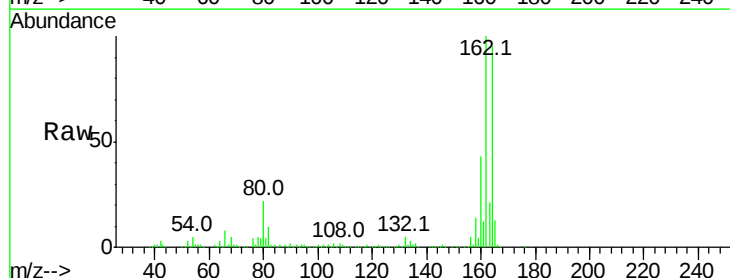
Tgt Ion:165 Resp: 40907

Ion Ratio Lower Upper

165 100

63 0.9 44.7 67.1#

89 1.4 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

Time-->

9.95 10.00 10.05

50000

40000

30000

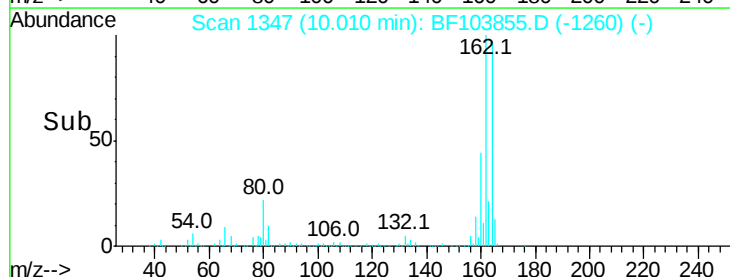
20000

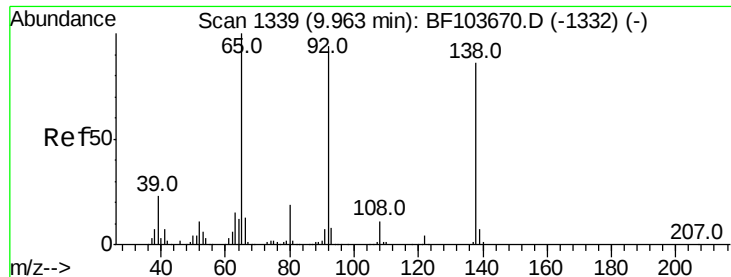
10000

0

9.95 10.00 10.05

10.01





#52

3-Nitroaniline

Concen: 3.834 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

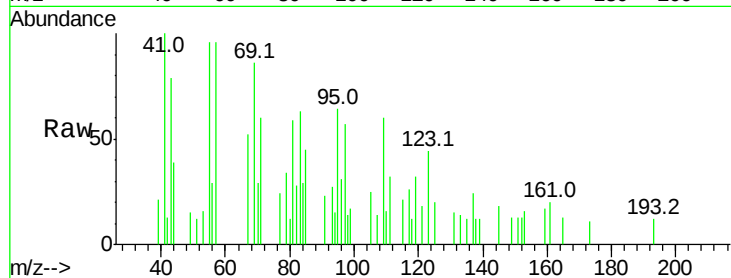
Tot Ion:138 Resp: 109

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

9.96

300

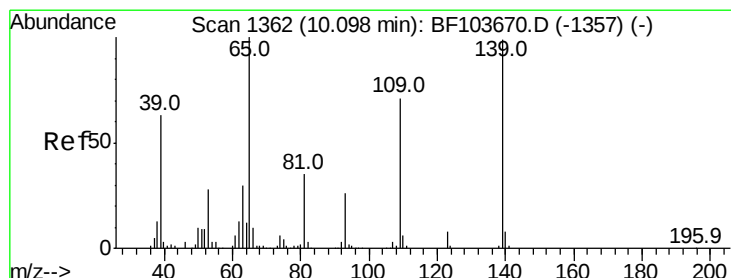
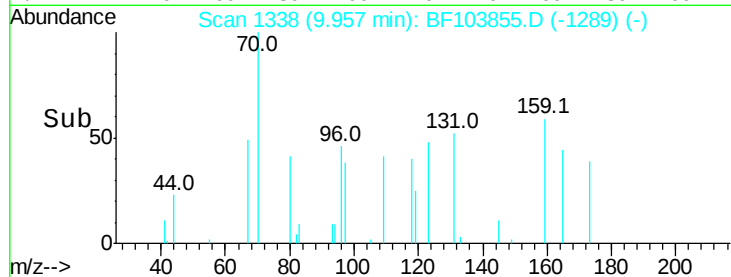
200

100

0

9.94 9.95 9.96 9.97

Time-->



#55

4-Nitrophenol

Concen: 5.514 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

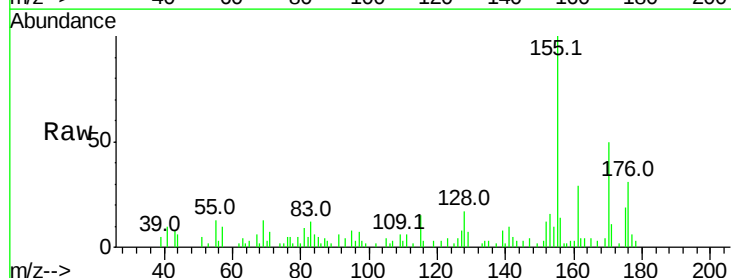
Tgt Ion:139 Resp: 2300

Ion Ratio Lower Upper

139 100

109 72.8 48.4 88.4

65 30.9 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

10.12

2000

1500

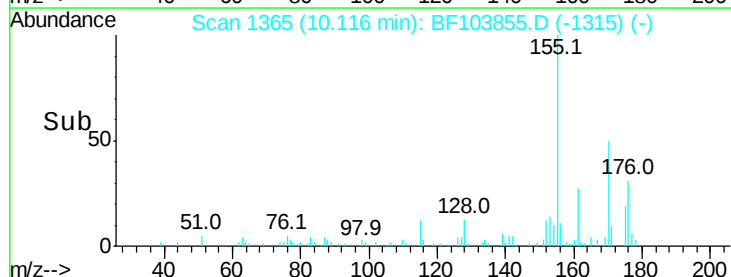
1000

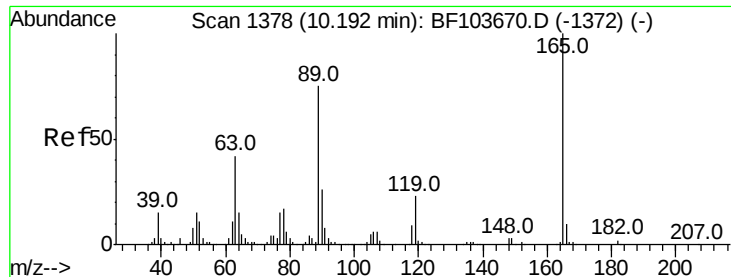
500

0

10.10 10.12 10.15

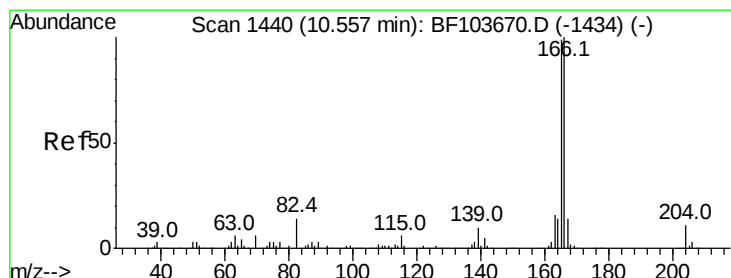
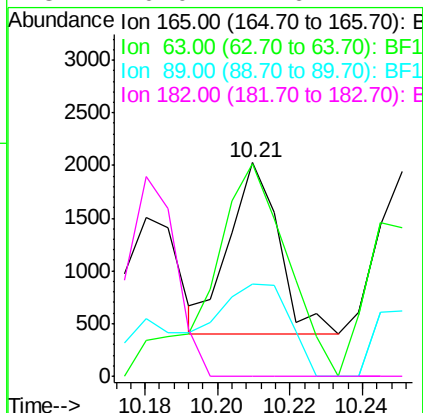
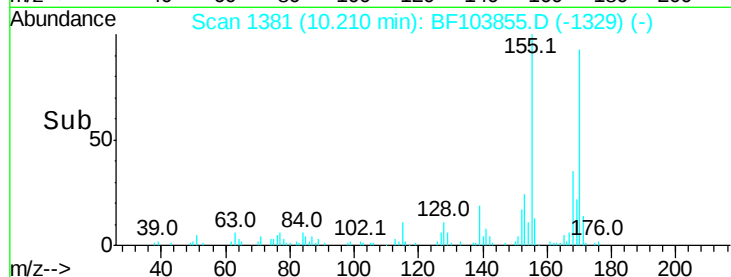
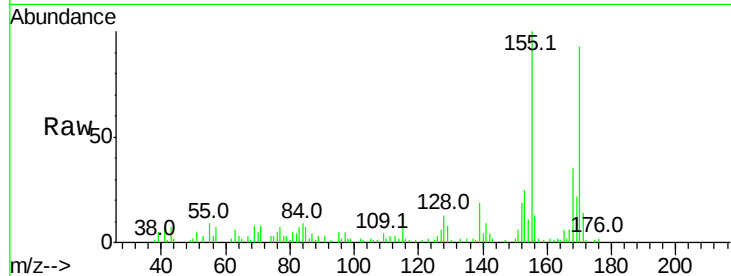
Time-->





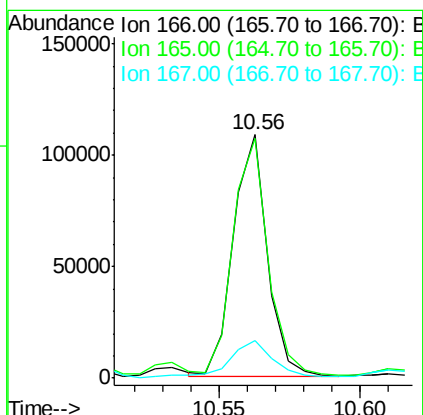
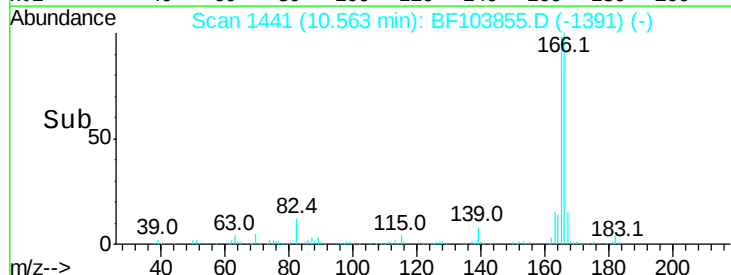
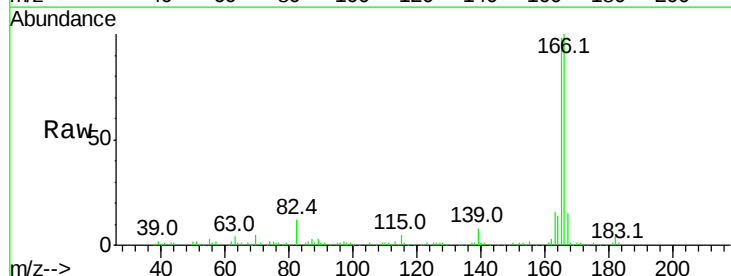
#56
2,4-Dinitrotoluene
Concen: 6.466 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

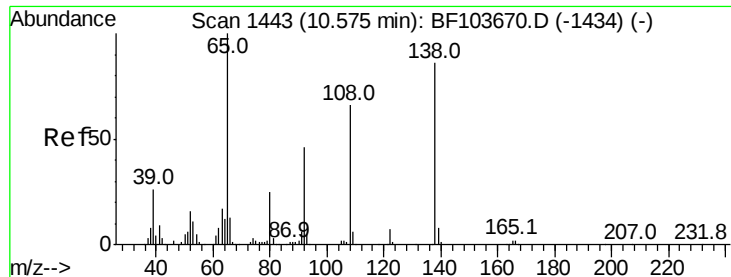
Tot Ion:165	Resp:	1537
Ion Ratio	Lower	Upper
165	100	
63	99.6	36.4 54.6#
89	42.9	57.8 86.6#
182	0.0	1.6 2.4#



#57
Fluorene
Concen: 4.710 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

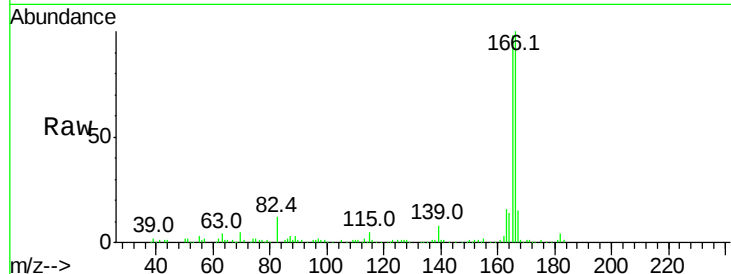
Tgt Ion:166	Resp:	90309
Ion Ratio	Lower	Upper
166	100	
165	98.4	79.8 119.8
167	15.2	10.6 16.0



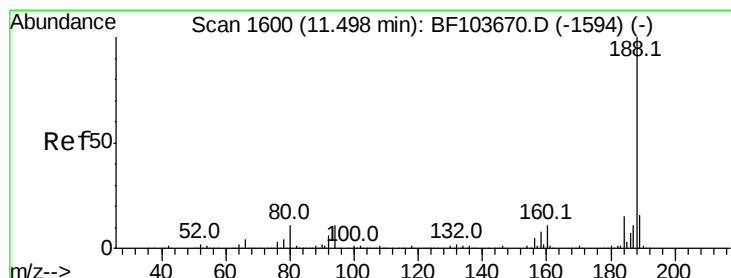
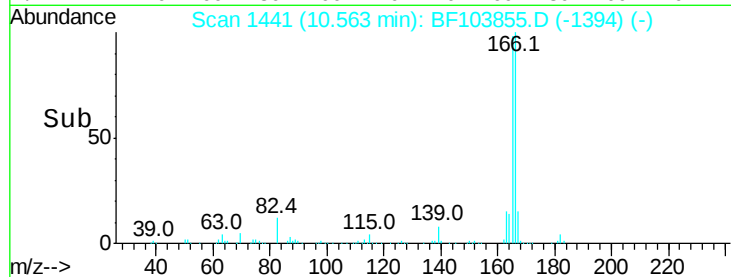
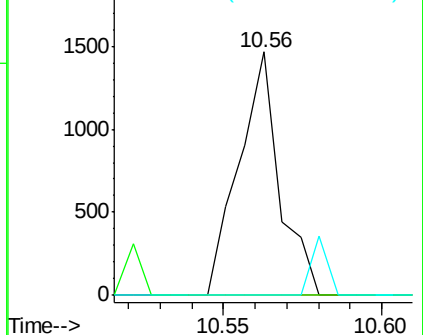


#61
4-Nitroaniline
Concen: 3.998 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

Tot Ion:138 Resp: 1304
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#

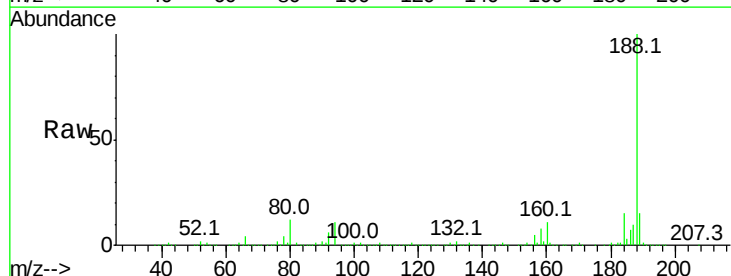


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

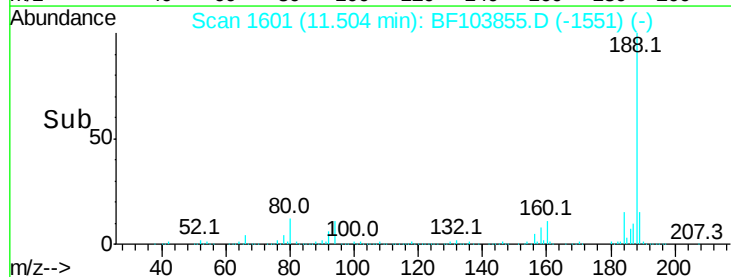
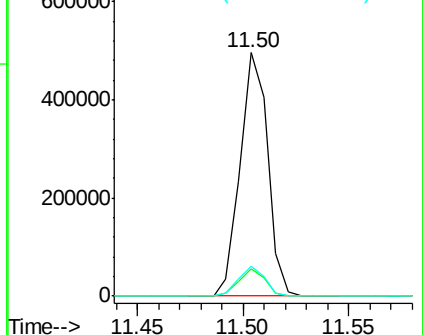


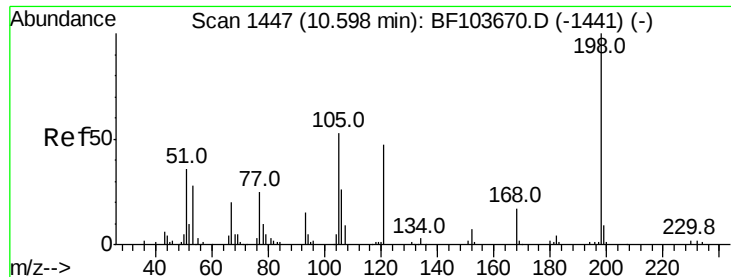
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

Tgt Ion:188 Resp: 447581
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.2 9.2 13.8



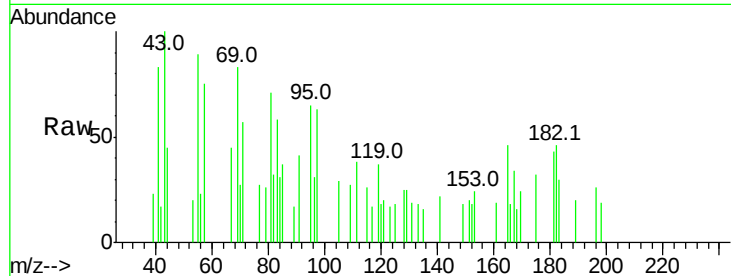
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



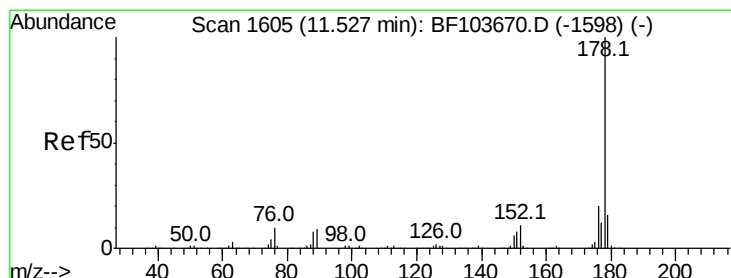
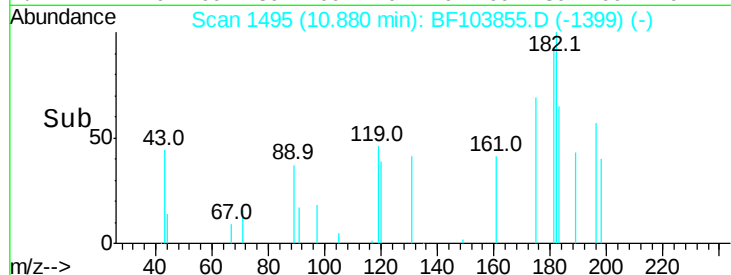
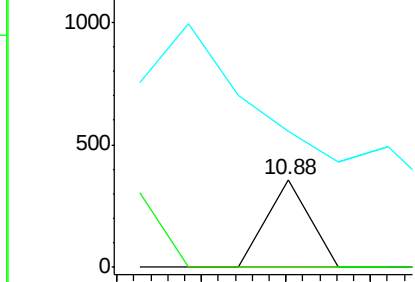


#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.200 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. 0.26 min
 Lab File: BF103855.D
 Acq: 22 Mar 2018 16:46

Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	37.7	77.7#
105	155.3	36.3	76.3#

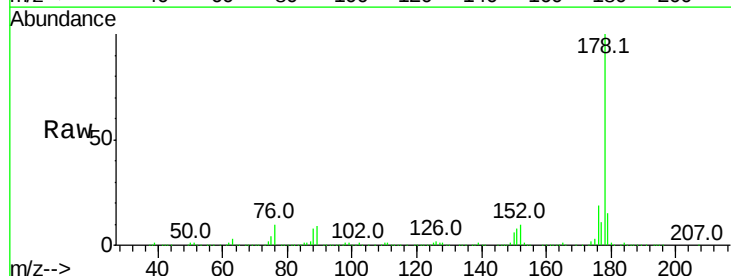


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

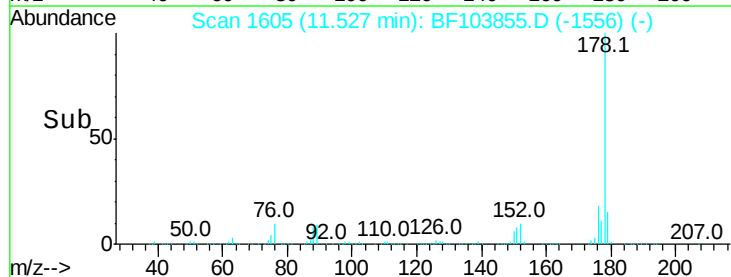
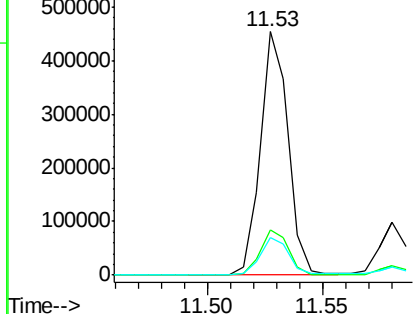


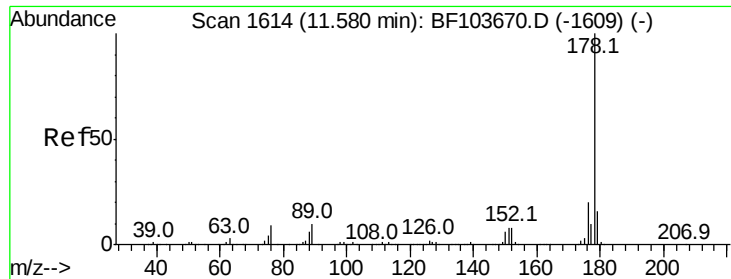
#70
 Phenanthrene
 Concen: 15.494 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF103855.D
 Acq: 22 Mar 2018 16:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.3	13.0	19.6



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





#71

Anthracene

Concen: 3.005 ng

RT: 11.58 min Scan# 1614

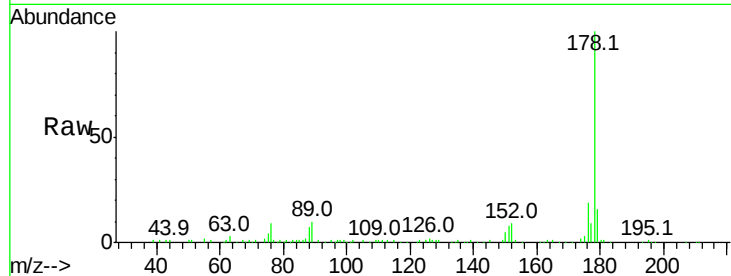
Delta R.T. -0.01 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

Tot Ion:178 Resp: 74726

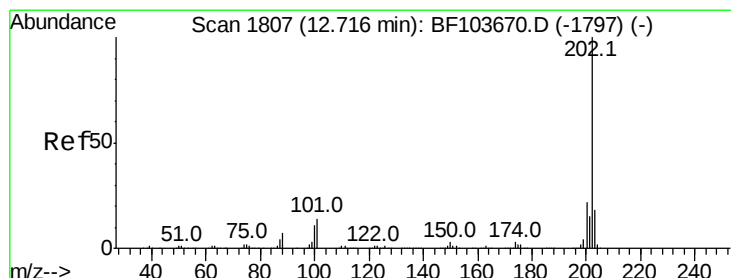
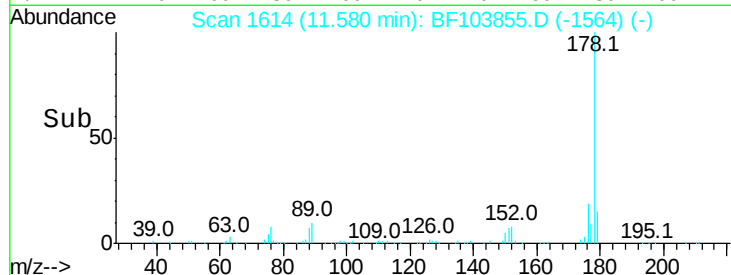
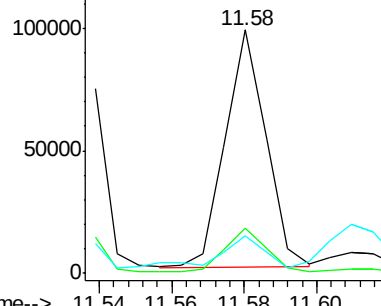
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.6	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 7.811 ng

RT: 12.72 min Scan# 1808

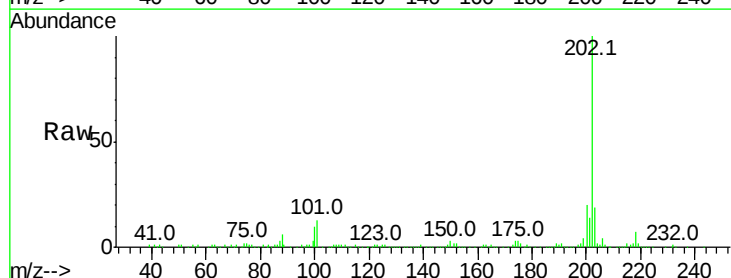
Delta R.T. -0.01 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

Tgt Ion:202 Resp: 197011

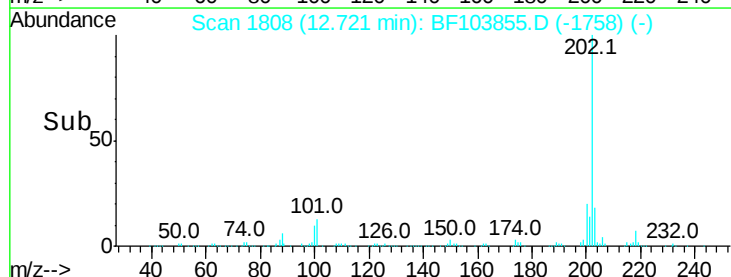
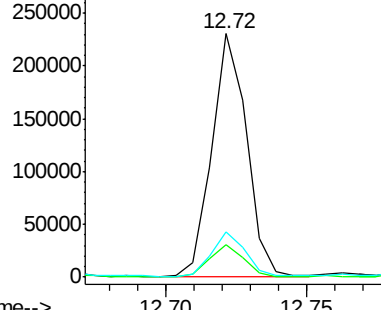
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	18.5	0.0	38.1

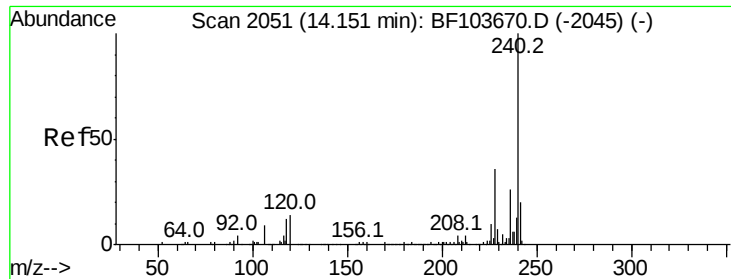


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

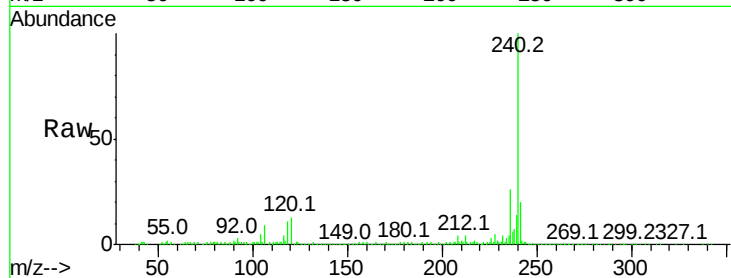
Ion 203.00 (202.70 to 203.70): E



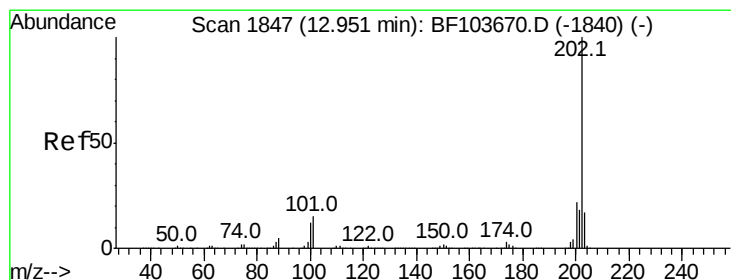
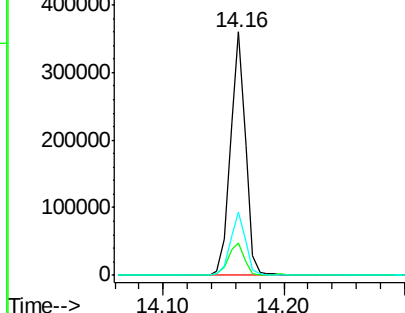
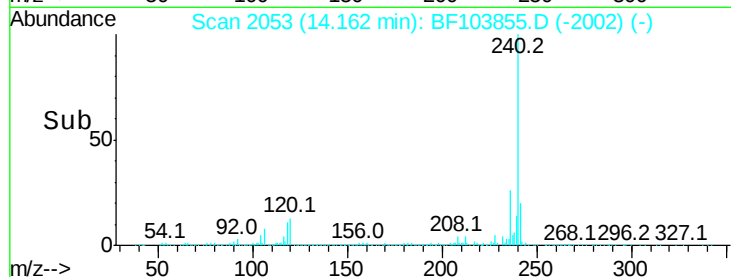


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2053
 Delta R.T. -0.00 min
 Lab File: BF103855.D
 Acq: 22 Mar 2018 16:46

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.5	14.3
236	25.7	20.7	31.1

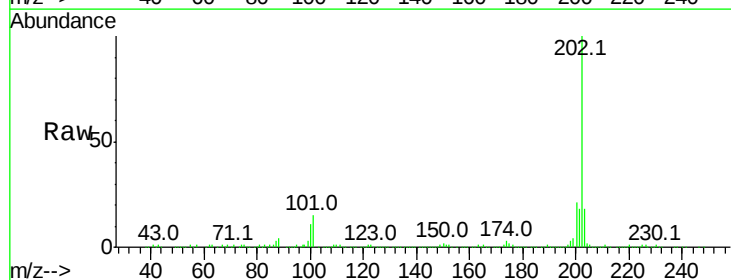


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

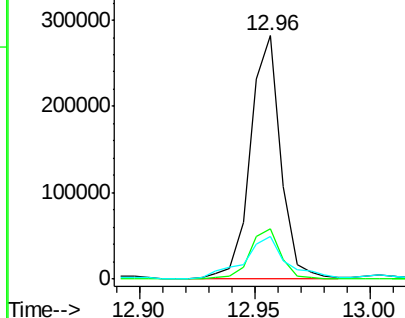
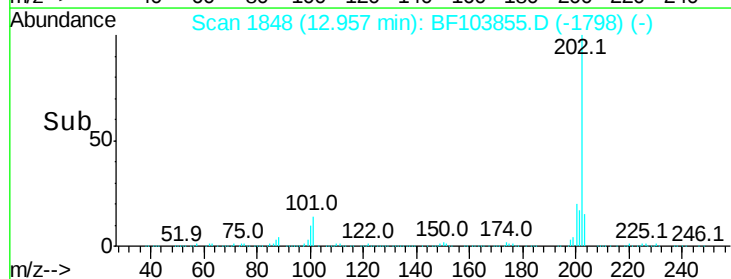


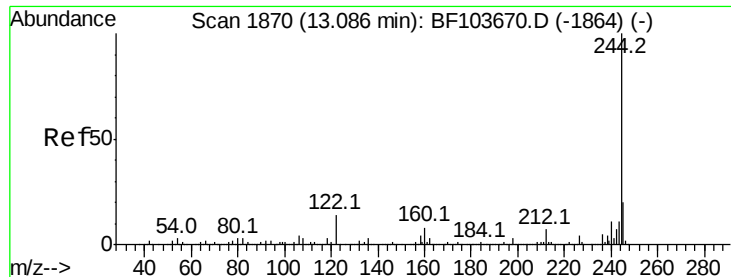
#77
 Pyrene
 Concen: 11.345 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF103855.D
 Acq: 22 Mar 2018 16:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.7	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.814 ng

RT: 13.09 min Scan# 1870

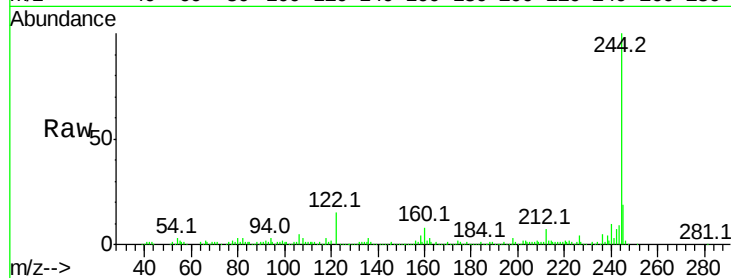
Delta R.T. -0.01 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

Tot Ion:244 Resp: 197659

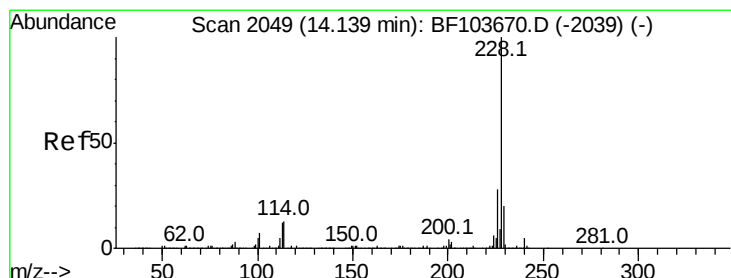
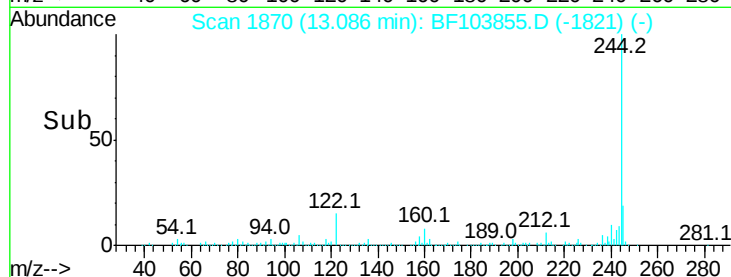
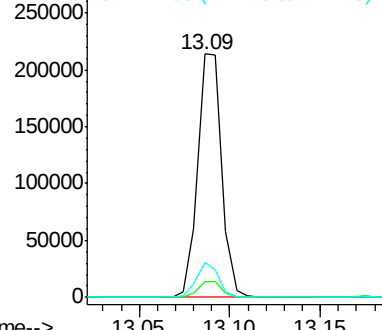
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.6	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.043 ng

RT: 14.15 min Scan# 2051

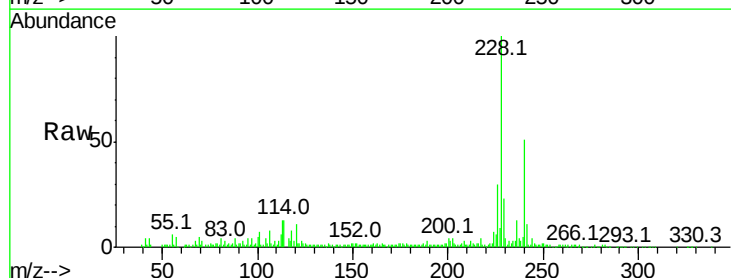
Delta R.T. -0.00 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

Tgt Ion:228 Resp: 98857

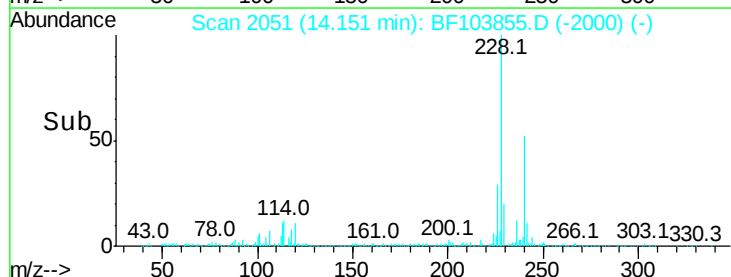
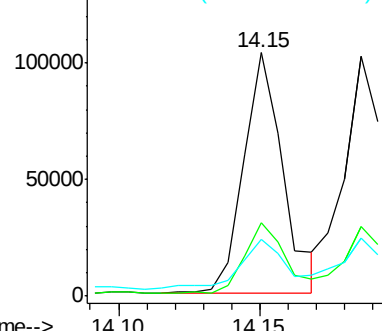
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	23.1	15.8	23.6

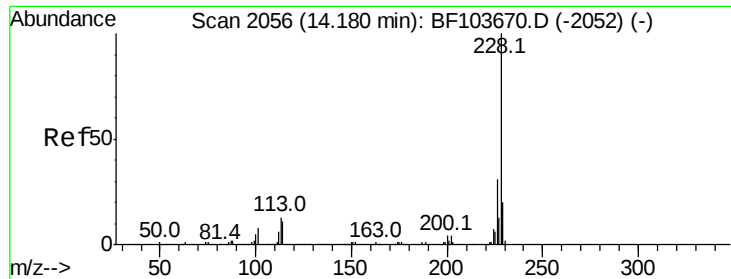


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

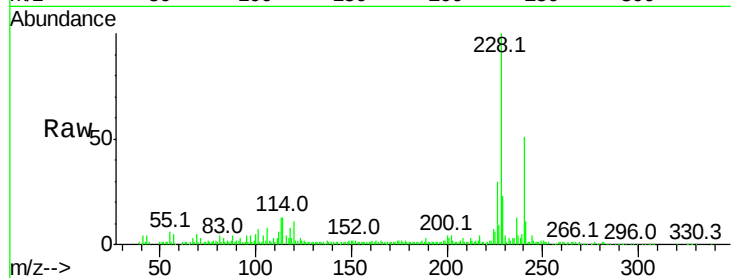
Ion 229.00 (228.70 to 229.70): E



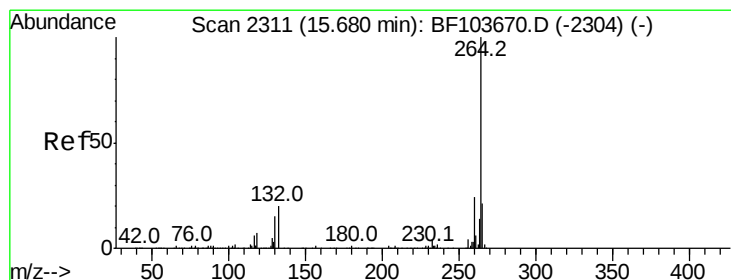
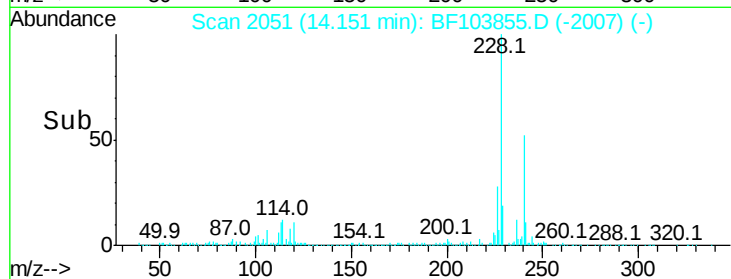
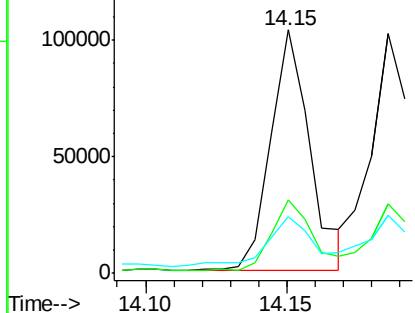


#82
Chrysene
Concen: 5.290 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.04 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

Tot	Ion:228	Resp:	98857
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.1	16.2	24.4

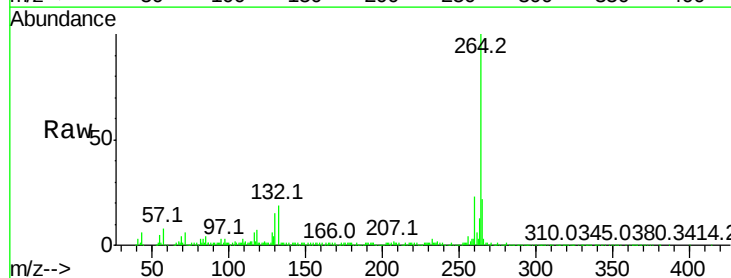


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

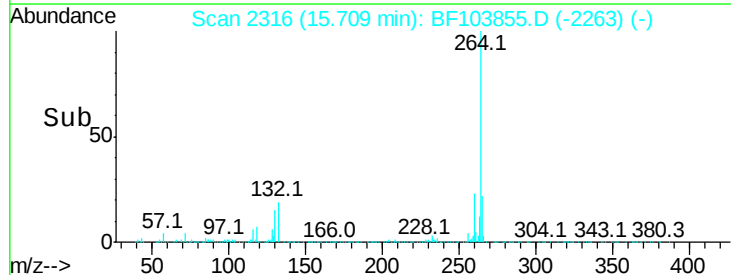
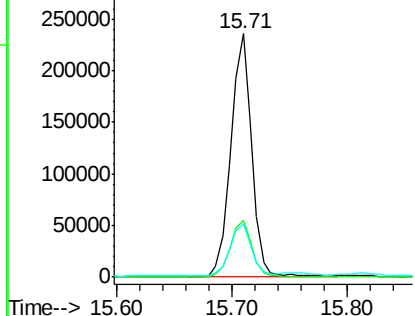


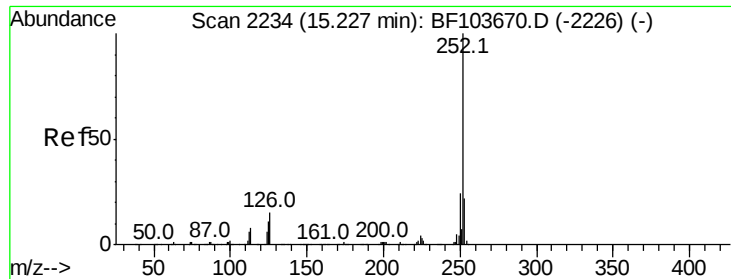
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BF103855.D
Acq: 22 Mar 2018 16:46

Tgt	Ion:264	Resp:	290863
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.0	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: 5.587 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.00 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

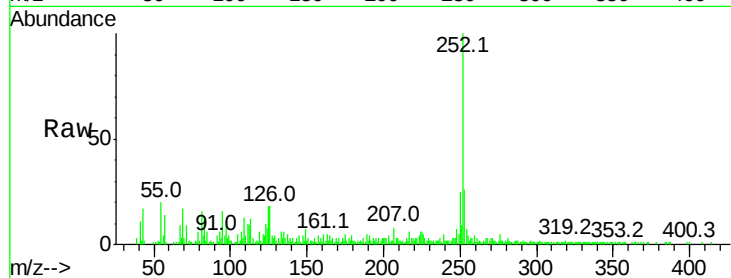
Tot Ion:252 Resp: 102658

Ion Ratio Lower Upper

252 100

253 25.6 17.0 25.6#

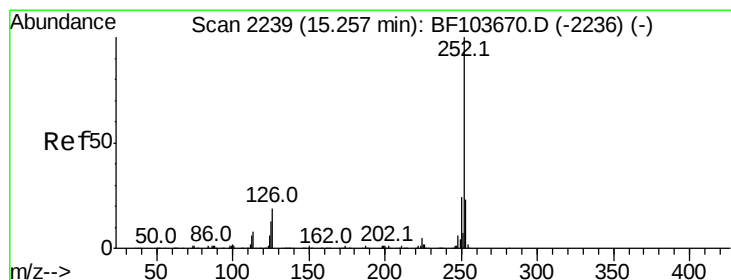
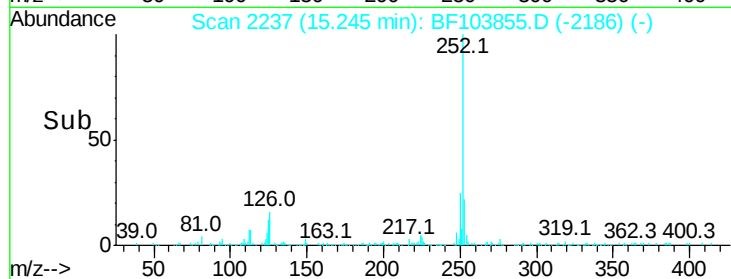
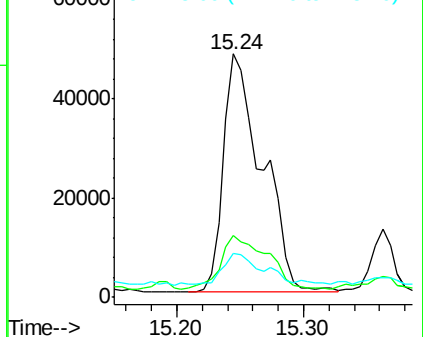
125 18.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.812 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.03 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

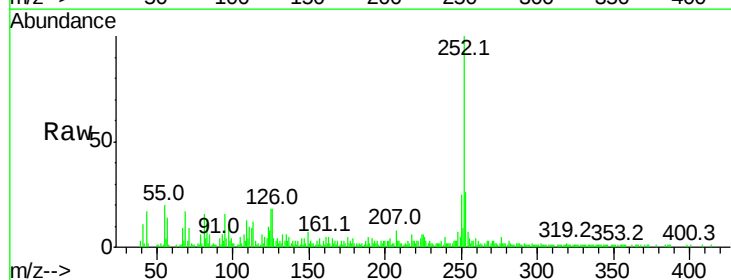
Tgt Ion:252 Resp: 102658

Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

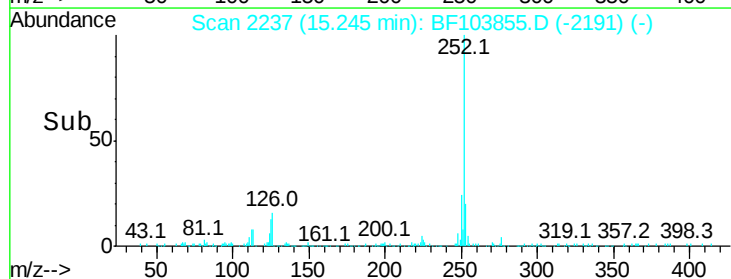
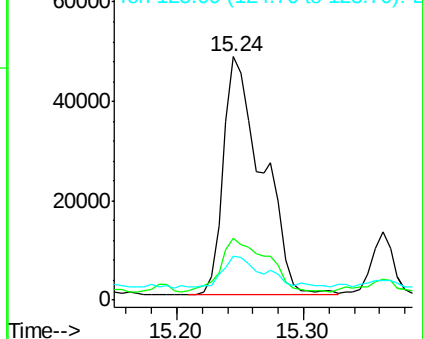
125 18.0 10.2 15.2#

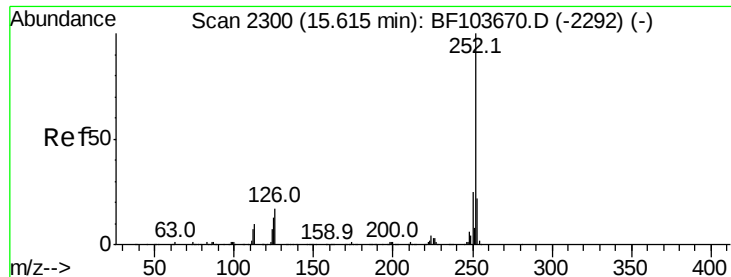


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.111 ng

RT: 15.64 min Scan# 2304

Delta R.T. 0.01 min

Lab File: BF103855.D

Acq: 22 Mar 2018 16:46

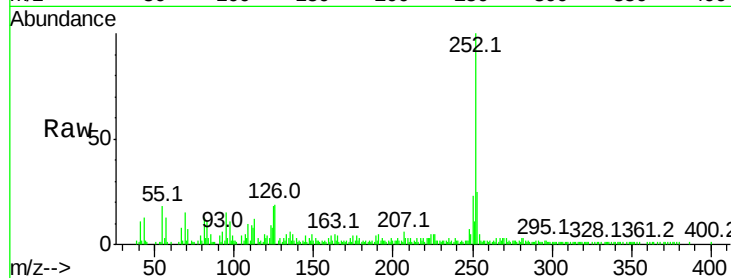
Tot Ion: 252 Resp: 68516

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

125 17.6 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

