

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102801.D
 Acq On : 6 Feb 2018 23:52
 Operator : SJ/JU
 Sample : J1459-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 07 01:30:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	184222	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	741590	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	293117	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	406261	20.00	ng	0.00
75) Chrysene-d12	14.04	240	329537	20.00	ng	-0.01
86) Perylene-d12	15.52	264	298903	20.00	ng	0.00

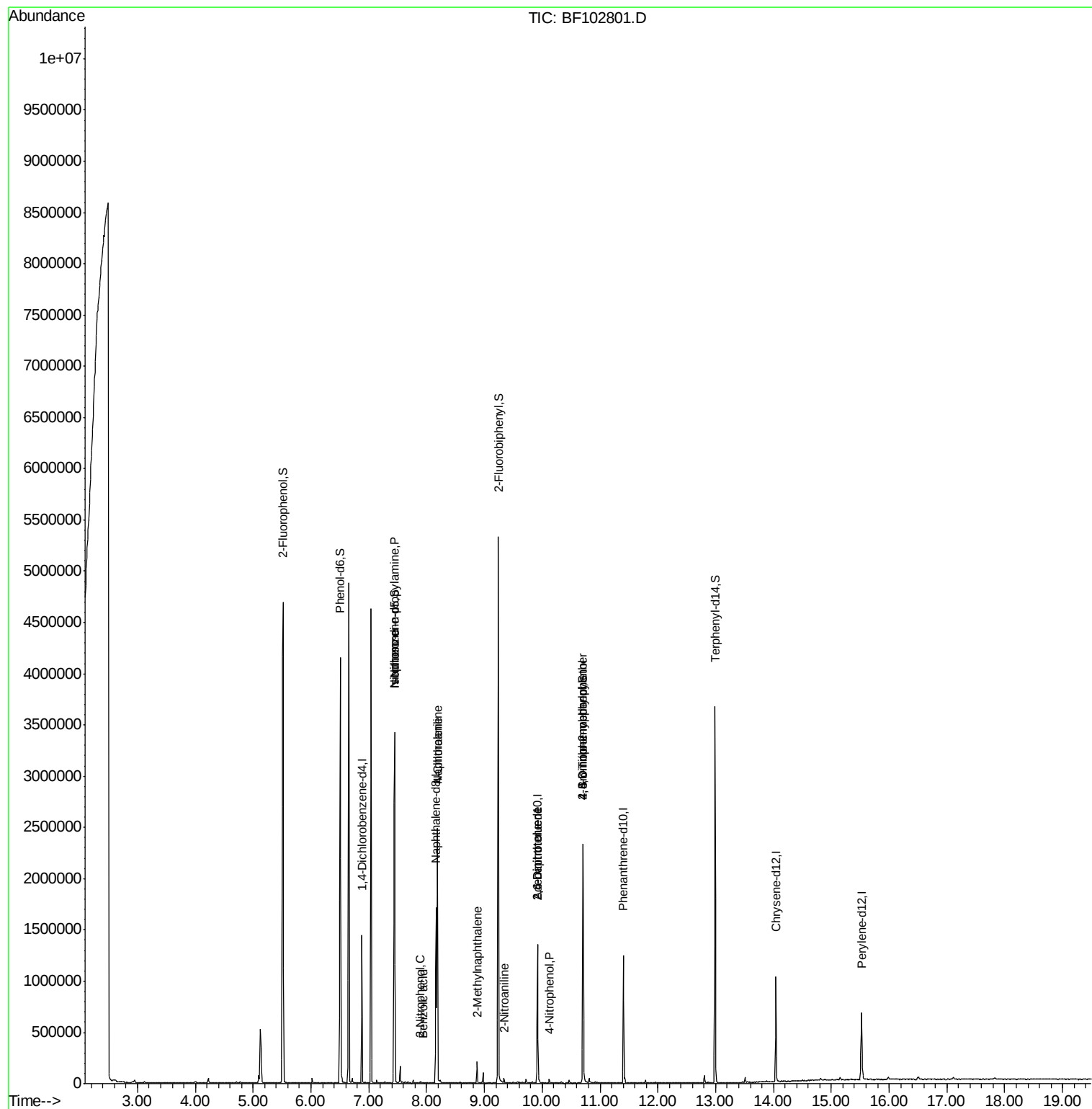
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1395734	115.06	ng	0.02
7) Phenol-d6	6.51	99	1479632	101.30	ng	0.00
23) Nitrobenzene-d5	7.45	82	1104527	103.32	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	297178	125.96	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1862092	105.41	ng	0.00
78) Terphenyl-d14	12.99	244	1268629	91.15	ng	0.00

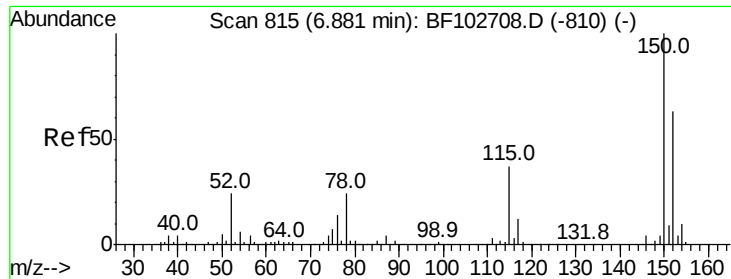
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	146535	15.216	ng	# 83
25) Isophorone	7.45	82	1104509	44.870	ng	# 64
26) 2-Nitrophenol	7.88	139	108	8.683	ng	# 34
31) Naphthalene	8.19	128	1020974	28.178	ng	# 99
32) Benzoic acid	7.94	122	148	8.562	ng	# 1
33) 4-Chloroaniline	8.19	127	135389	8.674	ng	# 32
37) 2-Methylnaphthalene	8.87	142	53203	2.243	ng	# 97
47) 2-Nitroaniline	9.34	65	124	3.491	ng	# 2
50) 2,6-Dinitrotoluene	9.92	165	38222	8.790	ng	# 26
55) 4-Nitrophenol	10.12	139	5850	5.288	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	38222	9.210	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	577	9.108	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	18636	4.336	ng	# 1

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

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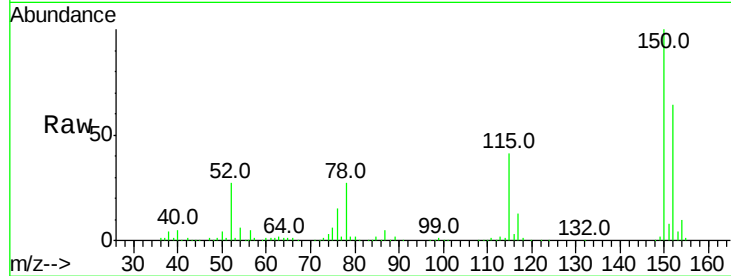




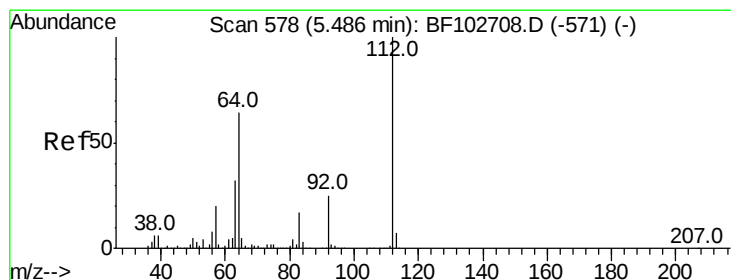
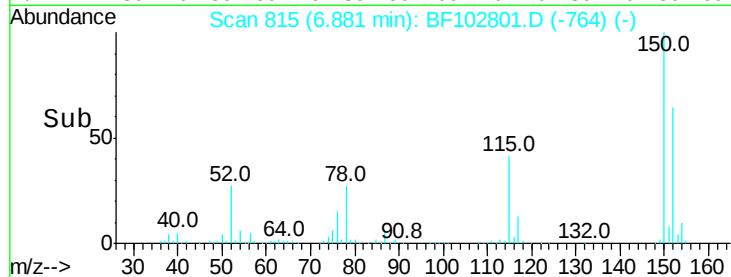
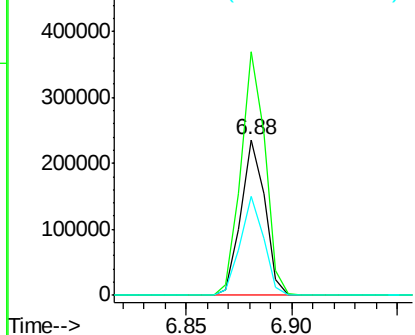
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	64.0	50.1	75.1



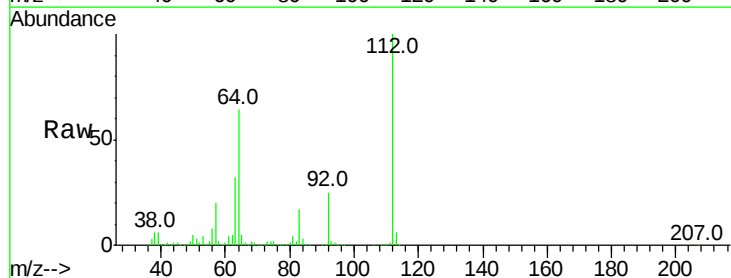
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



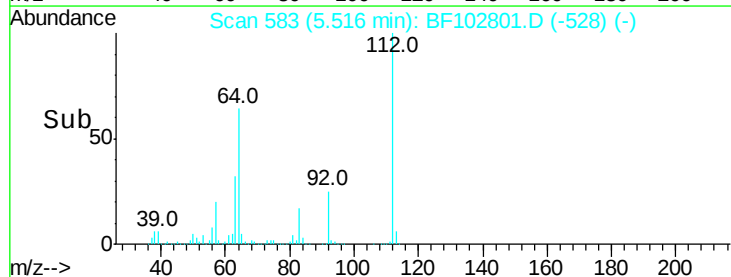
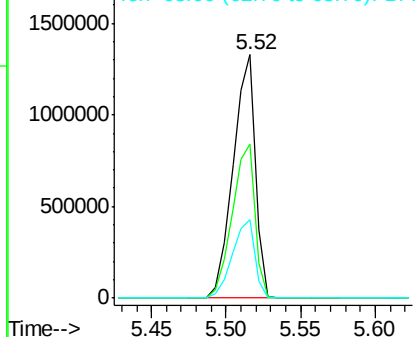
#5

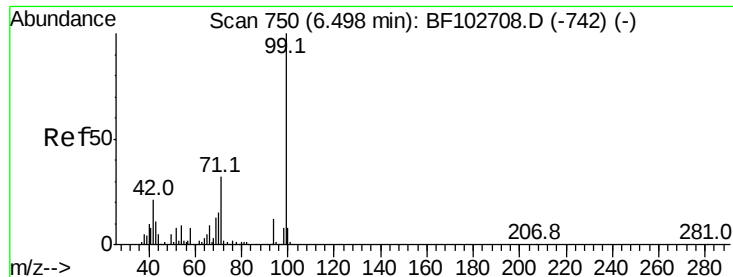
2-Fluorophenol
Concen: 115.060 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.9	71.9
63	32.3	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: 101.303 ng

RT: 6.51 min Scan# 752

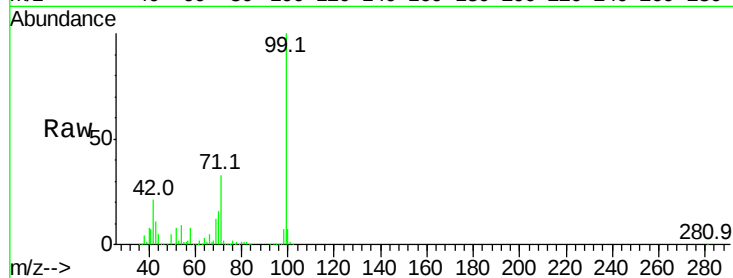
Delta R.T. 0.01 min

Lab File: BF102801.D

Acq: 6 Feb 2018 23:52

Tot Ion: 99 Resp: 1479632

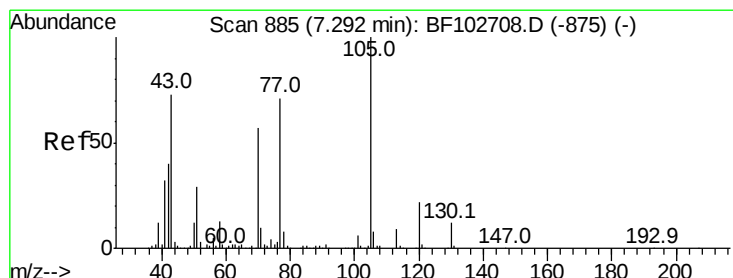
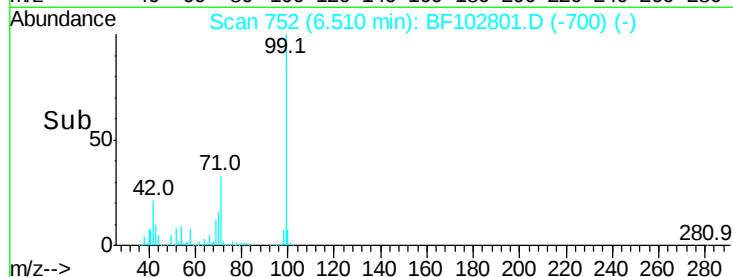
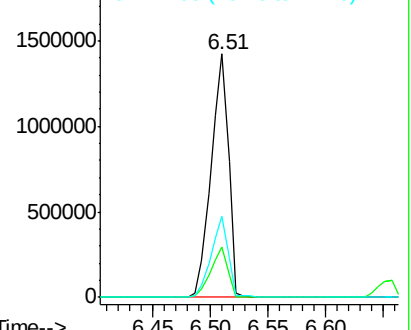
Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.5	21.7
71	33.4	25.4	38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.216 ng

RT: 7.45 min Scan# 911

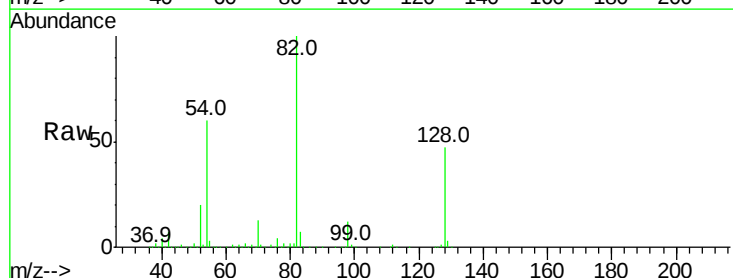
Delta R.T. 0.15 min

Lab File: BF102801.D

Acq: 6 Feb 2018 23:52

Tgt Ion: 70 Resp: 146535

Ion	Ratio	Lower	Upper
70	100		
42	53.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#

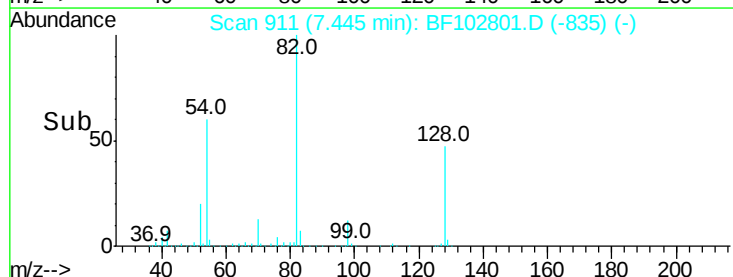
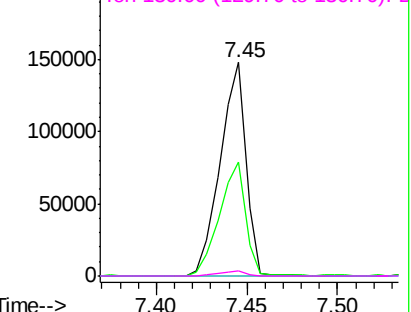


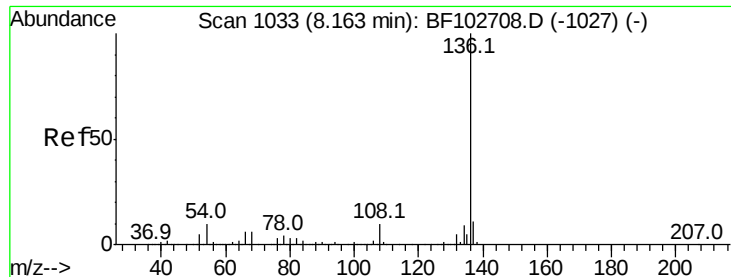
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

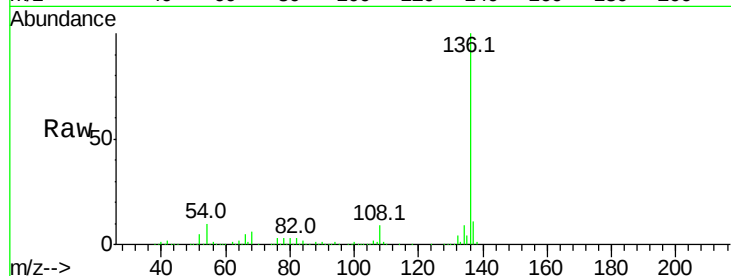
Ion 130.00 (129.70 to 130.70): BF1



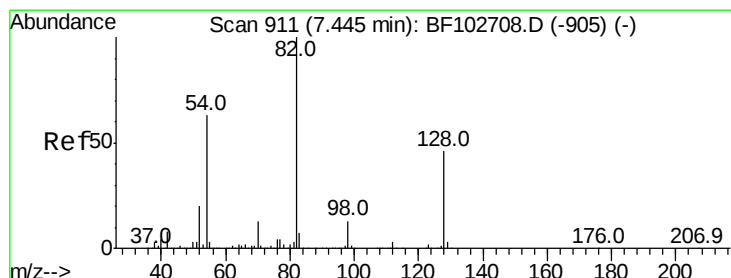
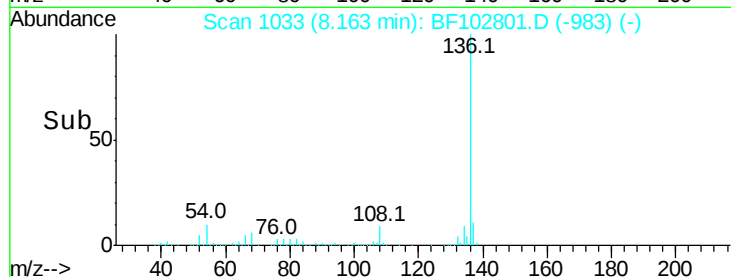
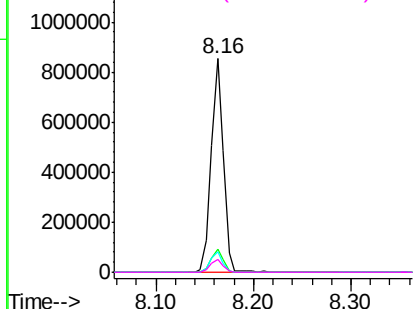


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

Tot Ion:136	Resp:	741590
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 9.6	6.6	9.8
68 6.3	5.0	7.4

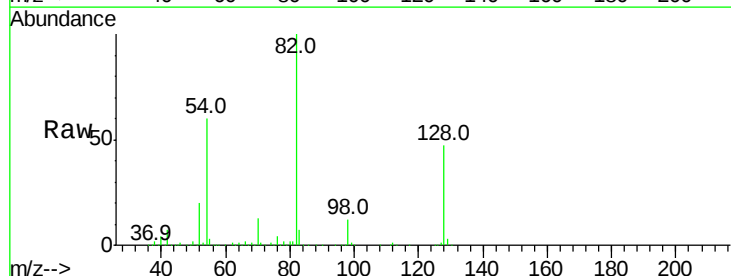


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

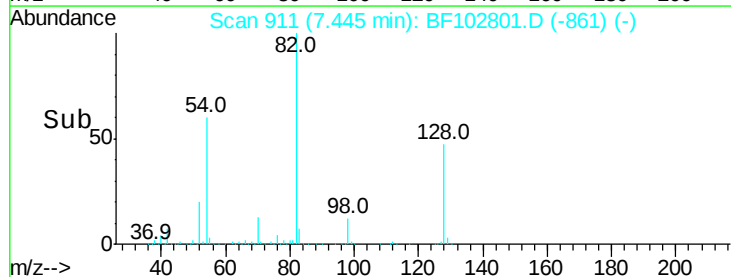
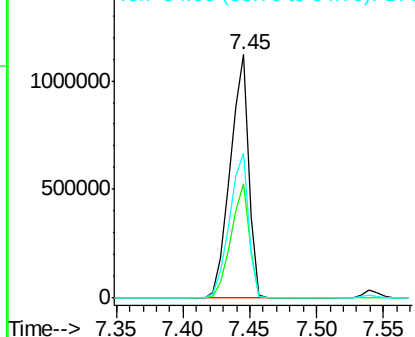


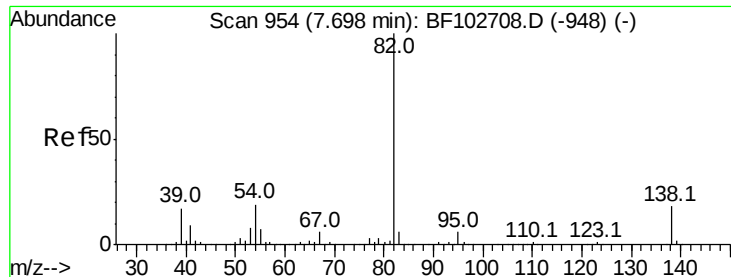
#23
Nitrobenzene-d5
Concen: 103.321 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

Tgt Ion: 82	Resp: 1104527
Ion Ratio	Lower Upper
82 100	
128 46.7	36.1 54.1
54 59.7	41.4 62.2



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





#25

Isophorone

Concen: 44.870 ng

RT: 7.45 min Scan# 911

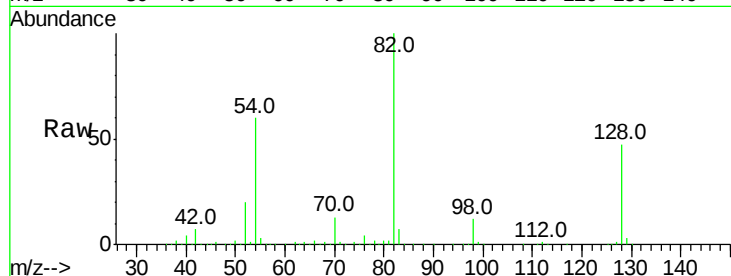
Delta R.T. -0.26 min

Lab File: BF102801.D

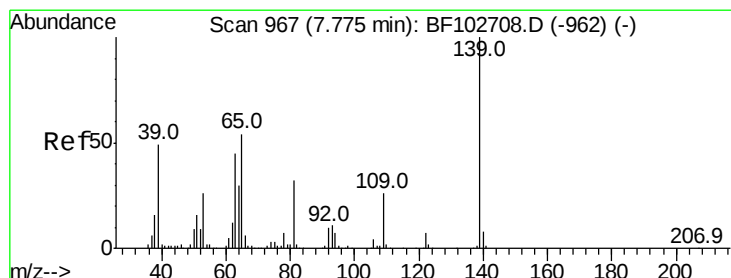
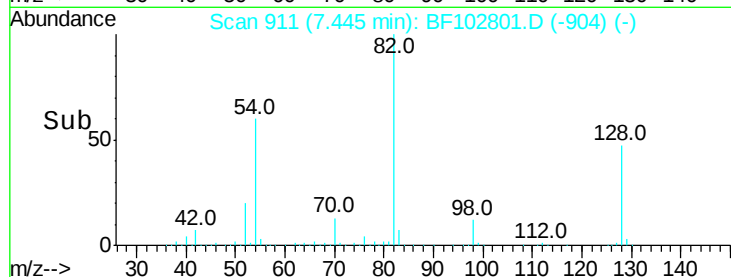
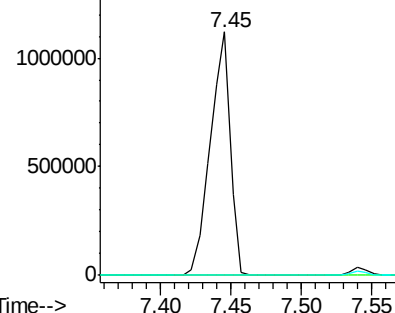
Acq: 6 Feb 2018 23:52

Tot Ion: 82 Resp: 1104509

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



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



#26

2-Nitrophenol

Concen: 8.683 ng

RT: 7.88 min Scan# 985

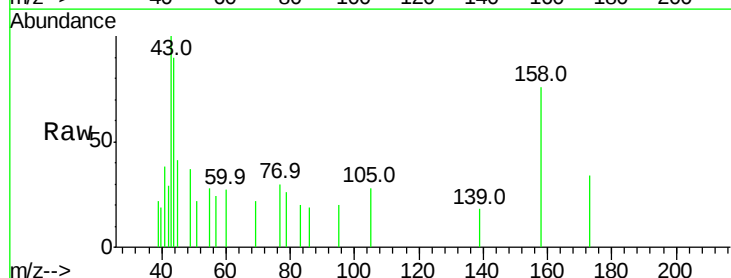
Delta R.T. 0.10 min

Lab File: BF102801.D

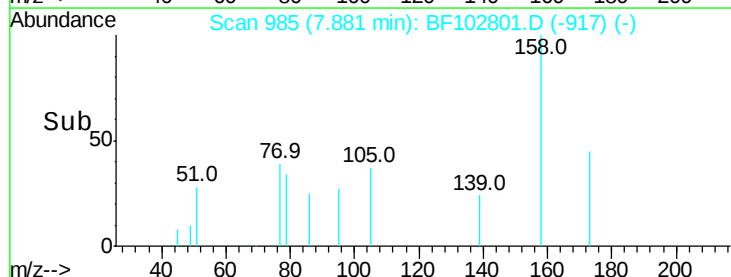
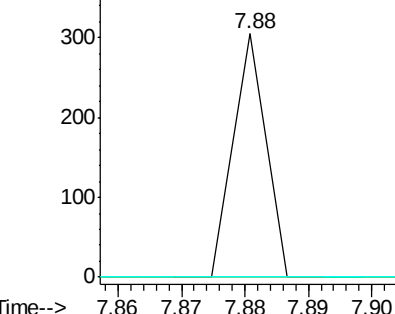
Acq: 6 Feb 2018 23:52

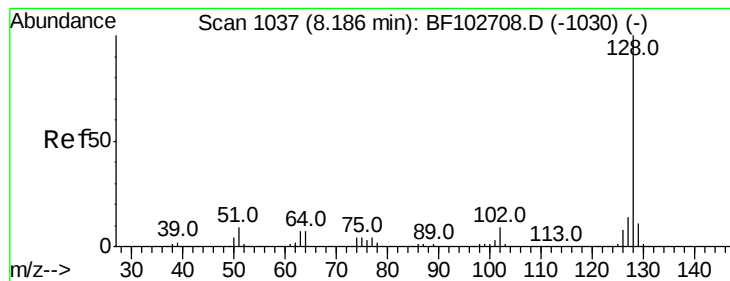
Tgt Ion: 139 Resp: 108

Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	0.0	40.5	60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#31

Naphthalene

Concen: 28.178 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF102801.D

Acq: 6 Feb 2018 23:52

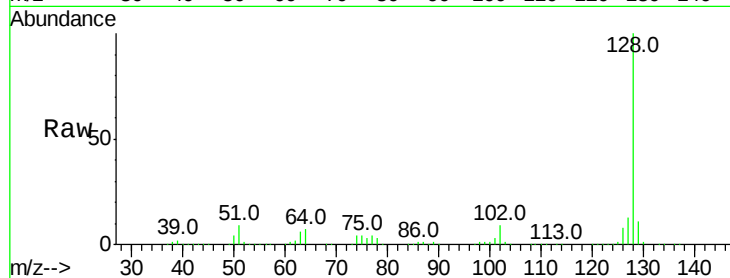
Tot Ion:128 Resp: 1020974

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

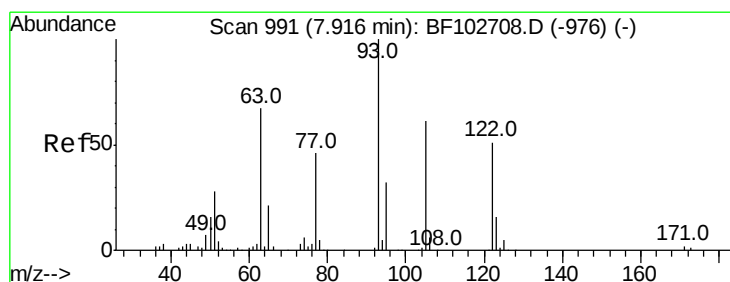
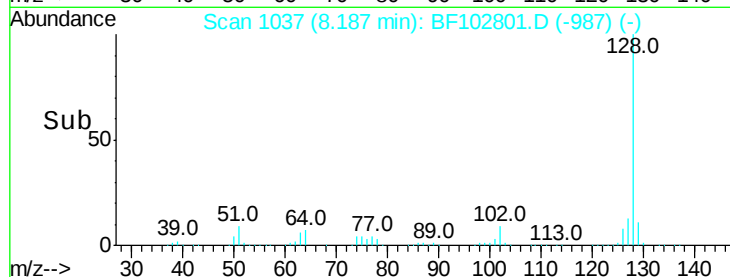
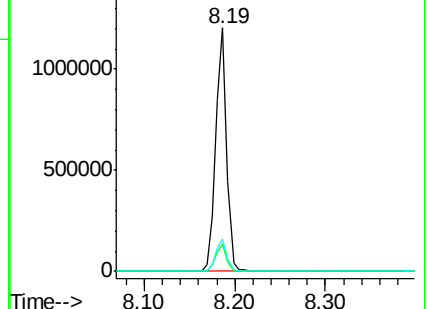
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.562 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF102801.D

Acq: 6 Feb 2018 23:52

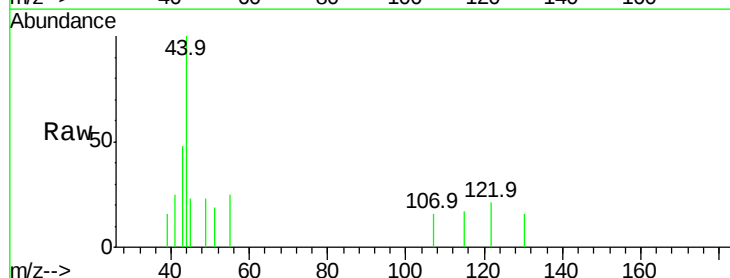
Tgt Ion:122 Resp: 148

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

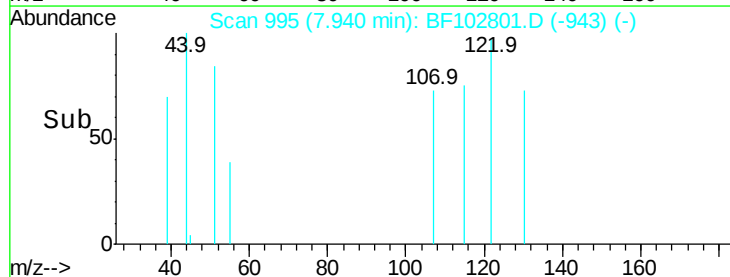
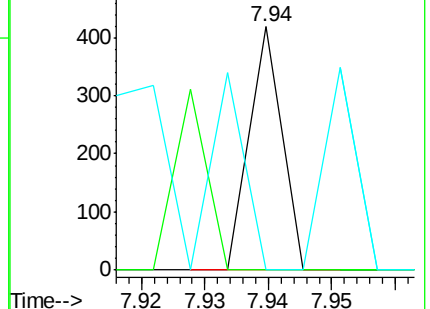
77 0.0 70.7 110.7#

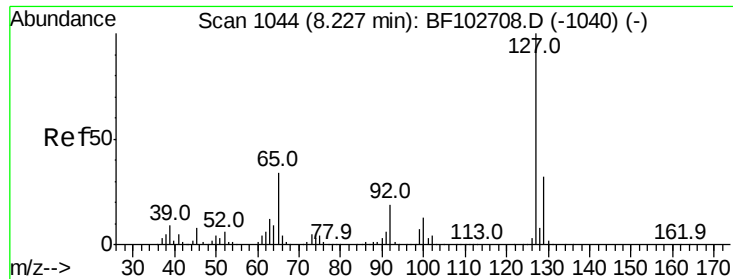


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

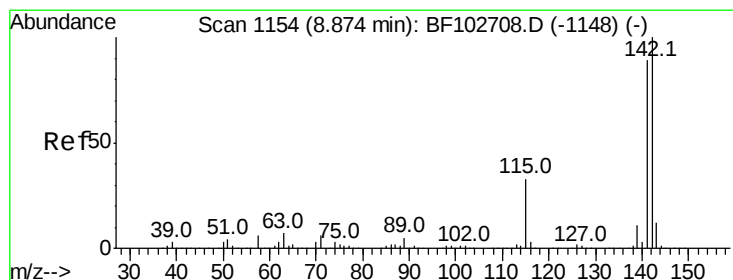
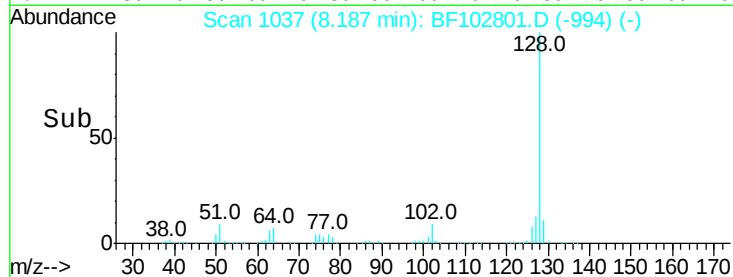
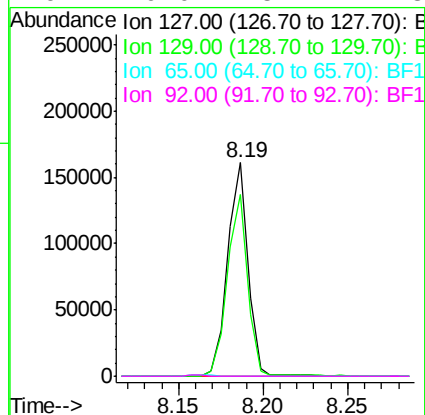
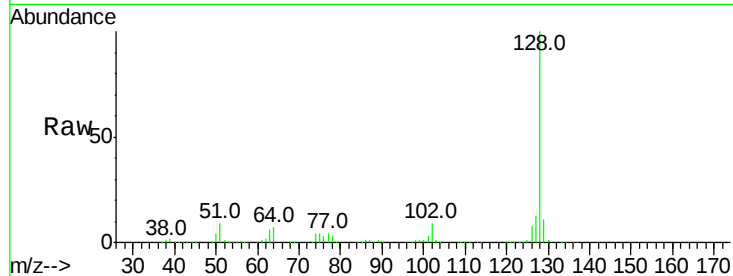
Ion 77.00 (76.70 to 77.70): BF1





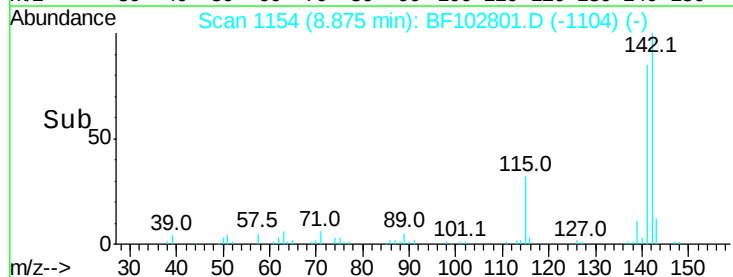
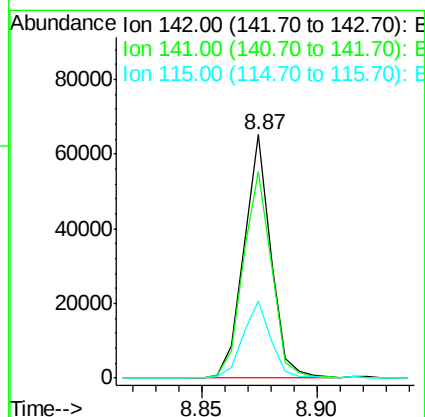
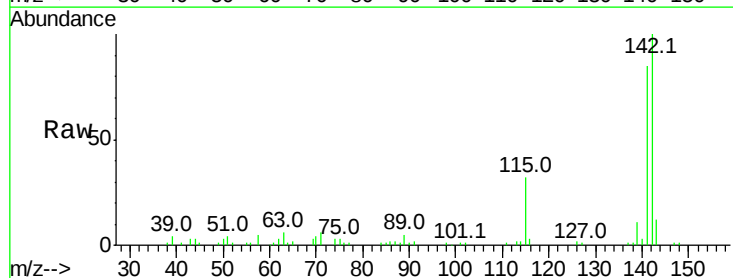
#33
 4-Chloroaniline
 Concen: 8.674 ng
 RT: 8.19 min Scan# 1037
 Delta R.T. -0.05 min
 Lab File: BF102801.D
 Acq: 6 Feb 2018 23:52

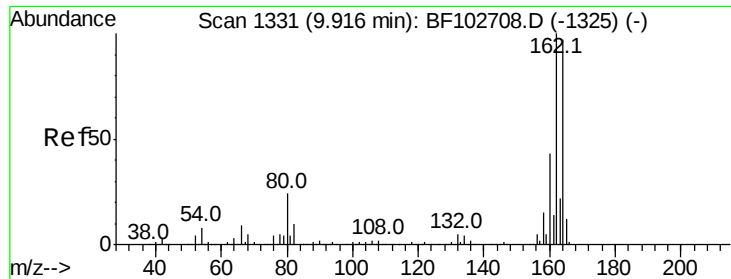
Tot Ion:	127	Resp:	135389
Ion	Ratio	Lower	Upper
127	100		
129	85.1	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
 2-Methylnaphthalene
 Concen: 2.243 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF102801.D
 Acq: 6 Feb 2018 23:52

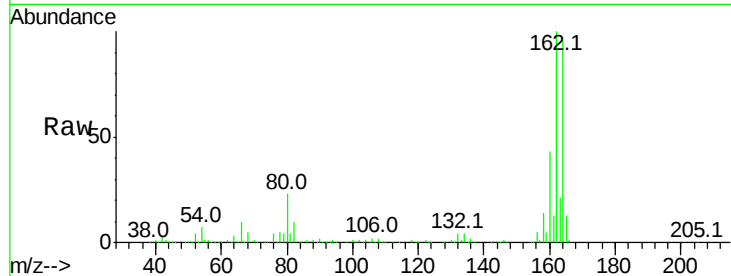
Tgt Ion:	142	Resp:	53203
Ion	Ratio	Lower	Upper
142	100		
141	84.9	70.8	106.2
115	31.9	26.1	39.1



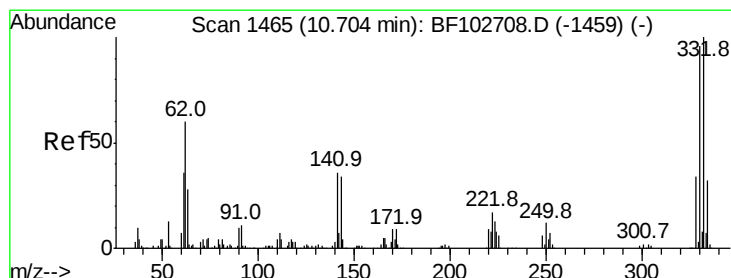
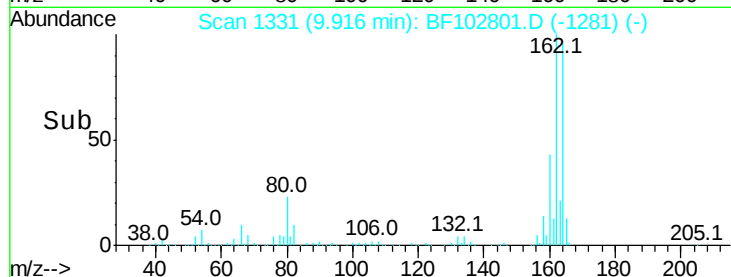
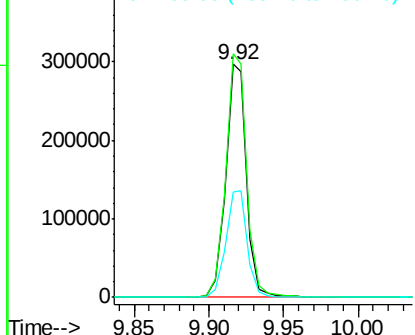


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF102801.D
 Acq: 6 Feb 2018 23:52

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	45.2	38.3	57.5

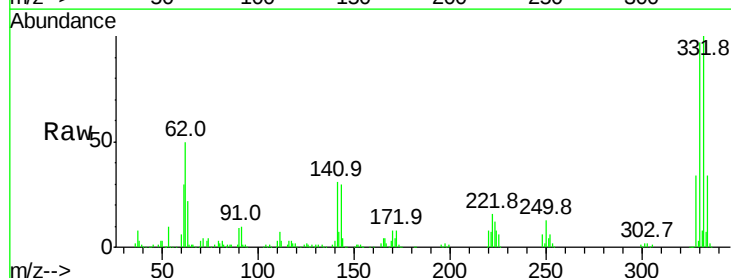


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

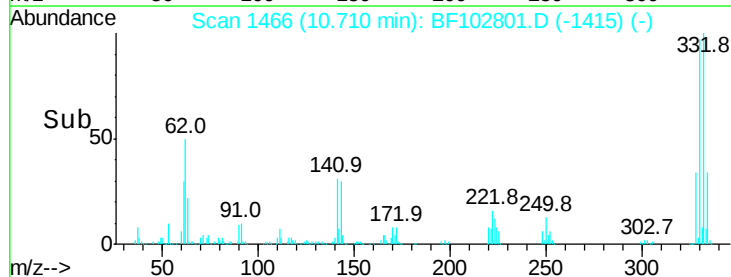
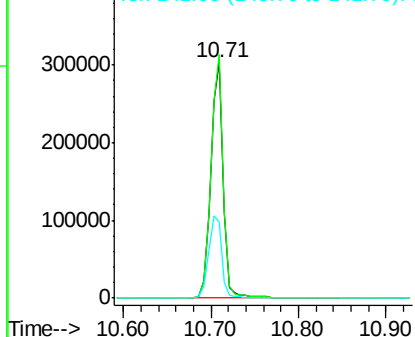


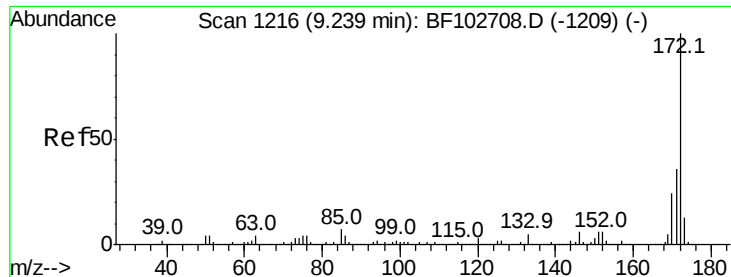
#41
 2,4,6-Tribromophenol
 Concen: 125.963 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102801.D
 Acq: 6 Feb 2018 23:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.0	115.6
141	37.6	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

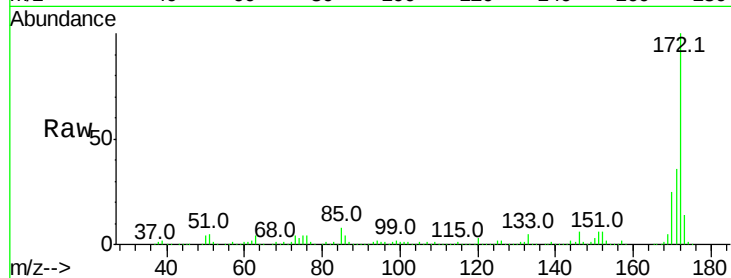




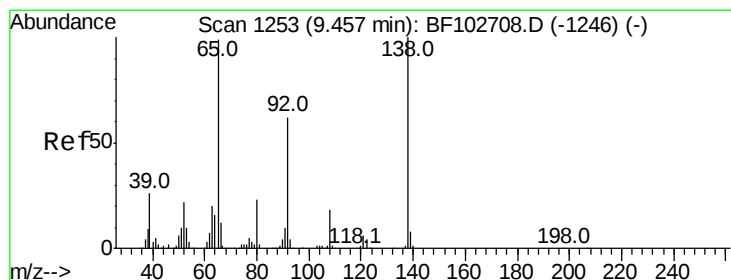
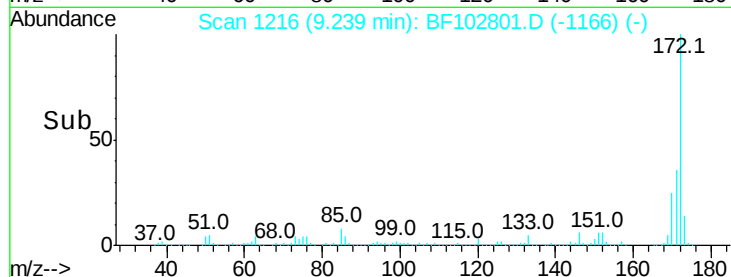
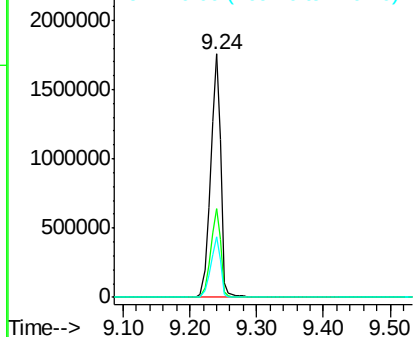
#44
2-Fluorobiphenyl
Concen: 105.414 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

Tot Ion:172 Resp: 1862092

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.7	19.6	29.4



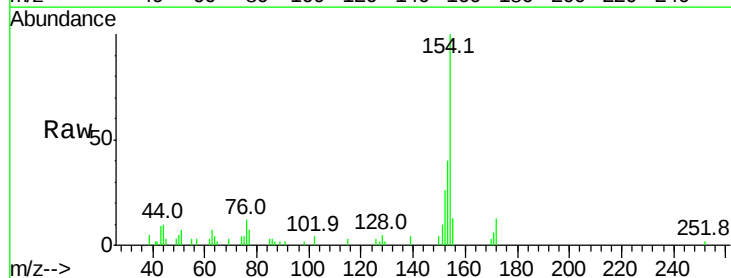
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



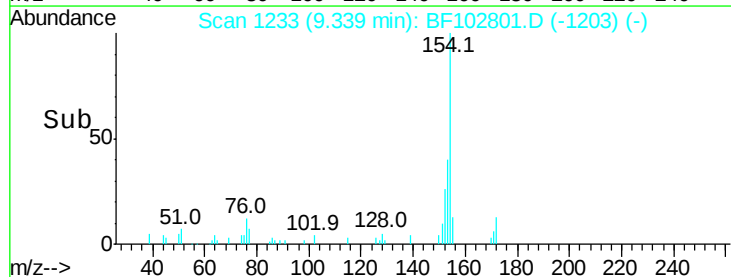
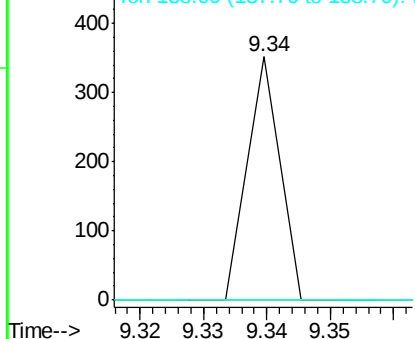
#47
2-Nitroaniline
Concen: 3.491 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.12 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

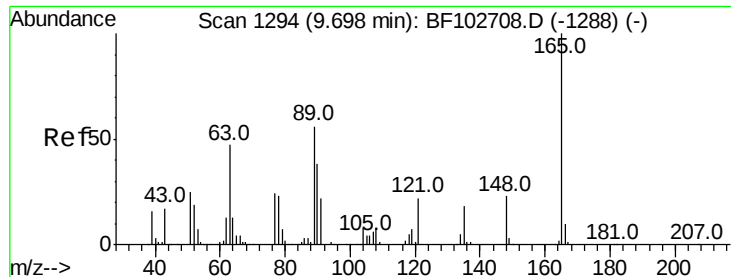
Tgt Ion: 65 Resp: 124

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



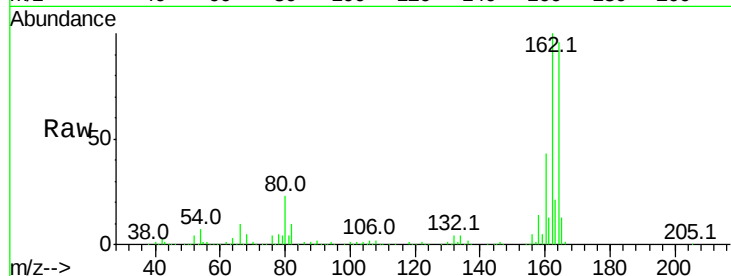
Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#50
2,6-Dinitrotoluene
Concen: 8.790 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

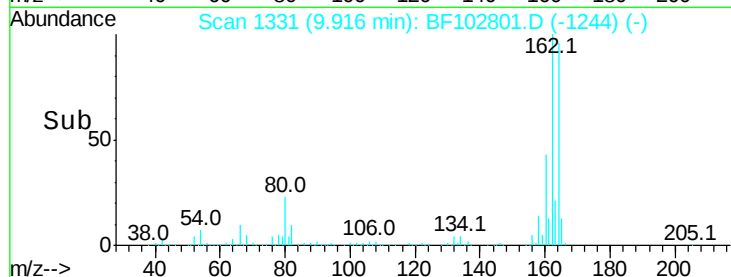
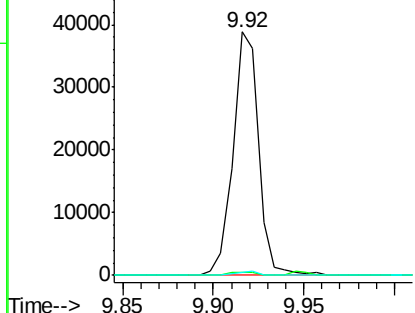
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

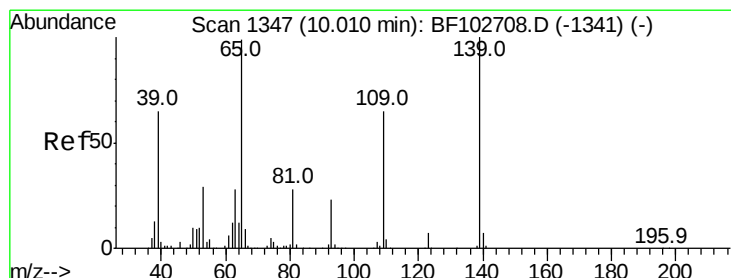
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#55
4-Nitrophenol
Concen: 5.288 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

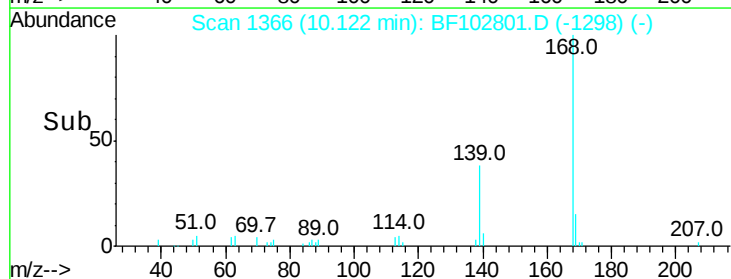
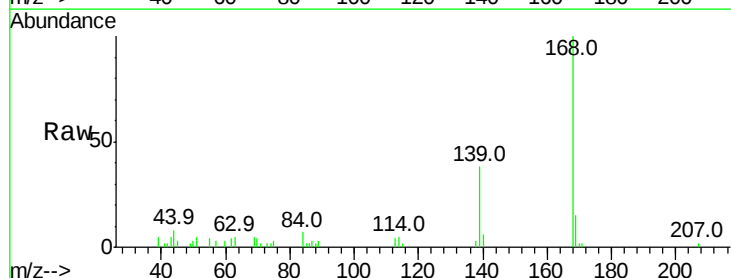
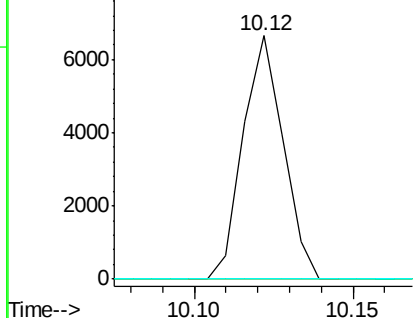
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

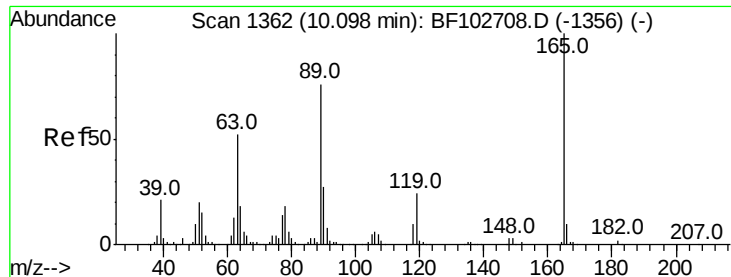


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

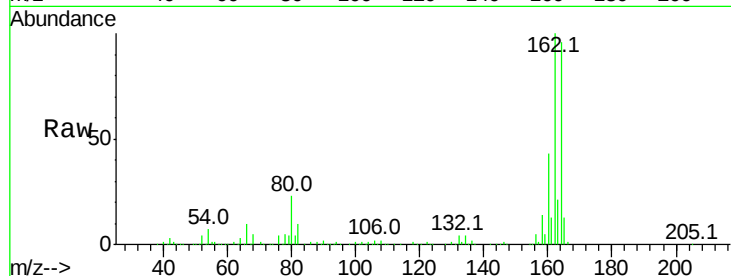
Ion 65.00 (64.70 to 65.70): BF1





#56
 2,4-Dinitrotoluene
 Concen: 9.210 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102801.D
 Acq: 6 Feb 2018 23:52

Tot Ion:	165	Resp:	38222
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

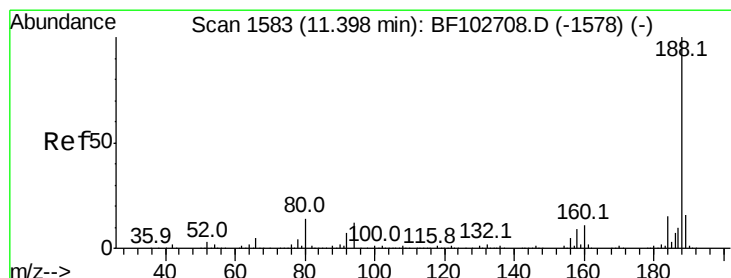
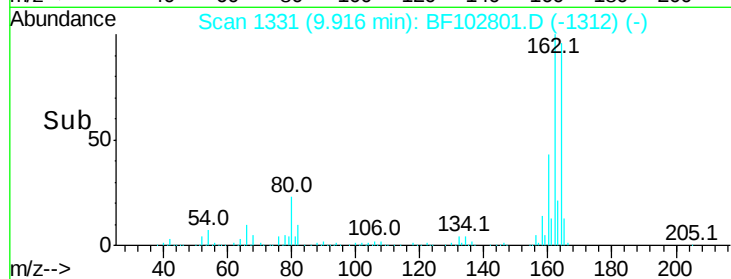
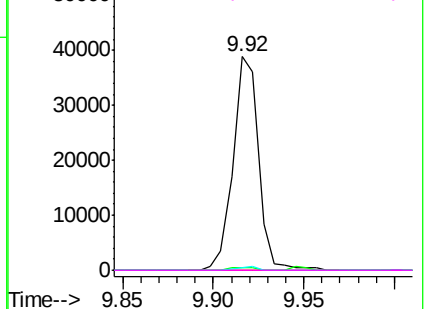


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

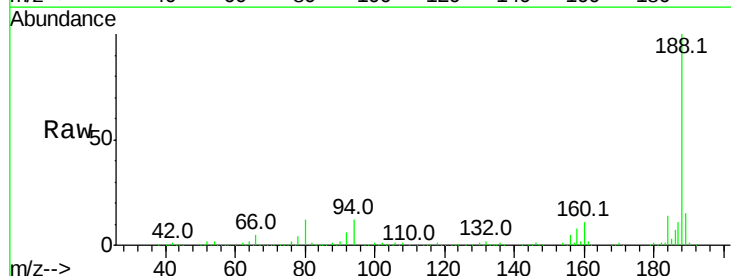
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102801.D
 Acq: 6 Feb 2018 23:52

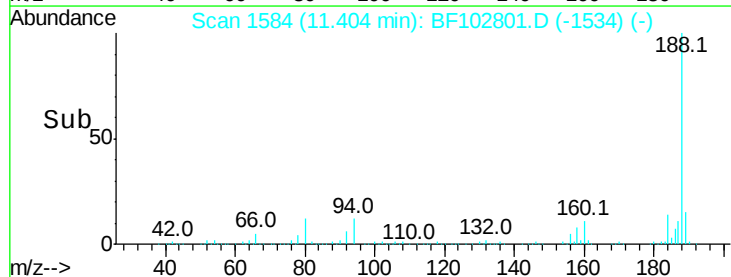
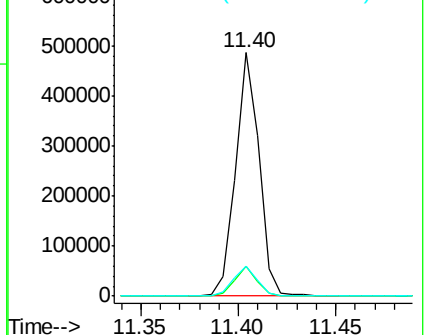
Tgt Ion:	188	Resp:	406261
Ion	Ratio	Lower	Upper
188	100		
94	12.2	8.5	12.7
80	12.5	9.2	13.8

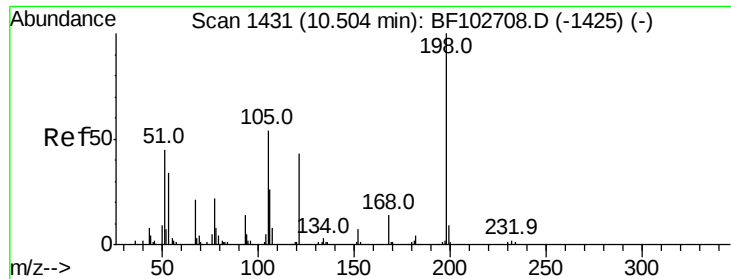


Abundance Ion 188.00 (187.70 to 188.70): E

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: 9.108 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF102801.D

Acq: 6 Feb 2018 23:52

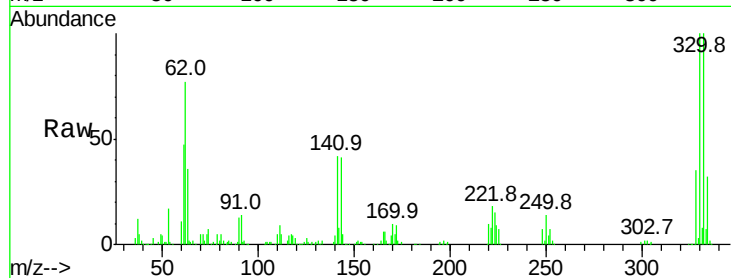
Tot Ion:198 Resp: 577

Ion Ratio Lower Upper

198 100

51 295.3 37.7 77.7#

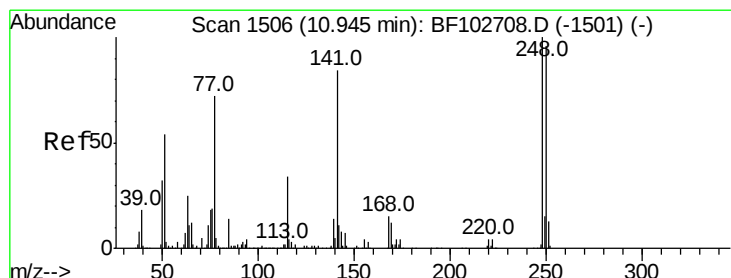
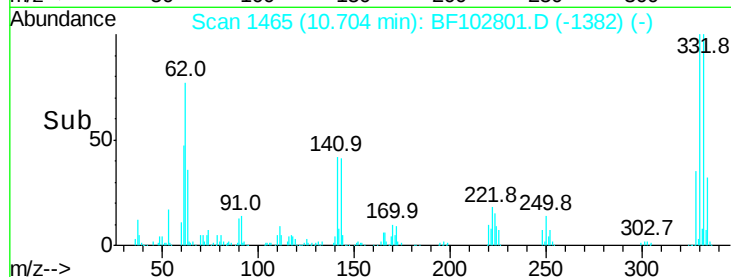
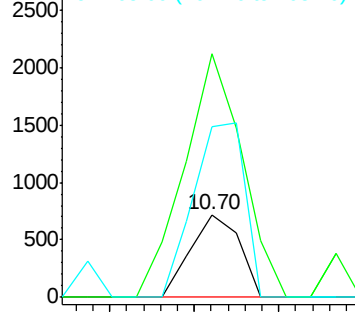
105 207.1 36.3 76.3#



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: 4.336 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF102801.D

Acq: 6 Feb 2018 23:52

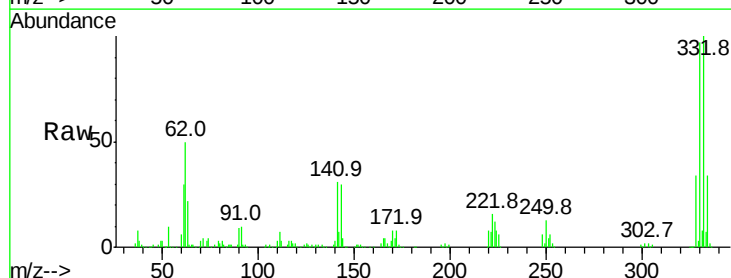
Tgt Ion:248 Resp: 18636

Ion Ratio Lower Upper

248 100

250 218.5 76.9 115.3#

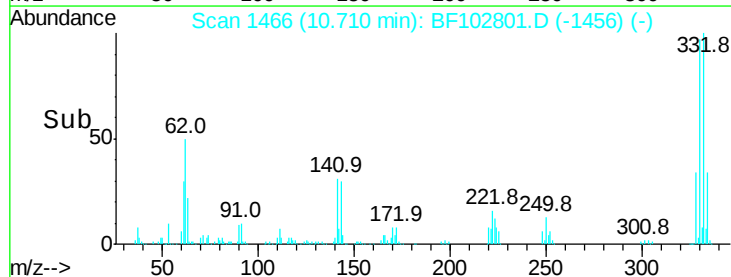
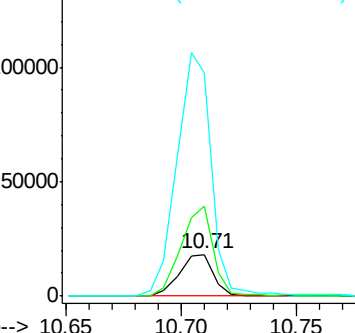
141 539.3 74.4 111.6#

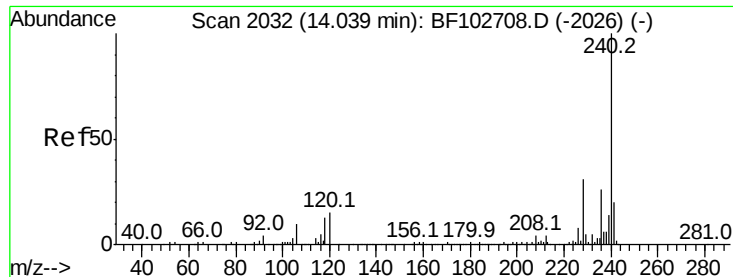


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF102801.D

Acq: 6 Feb 2018 23:52

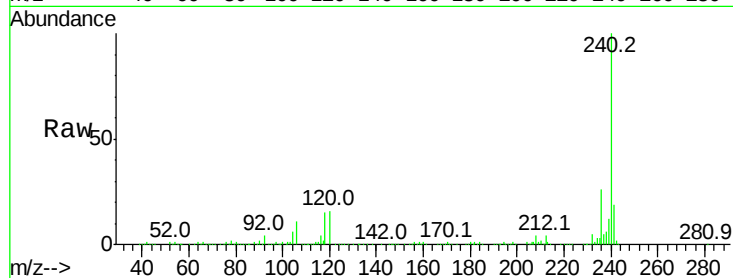
Tot Ion:240 Resp: 329537

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

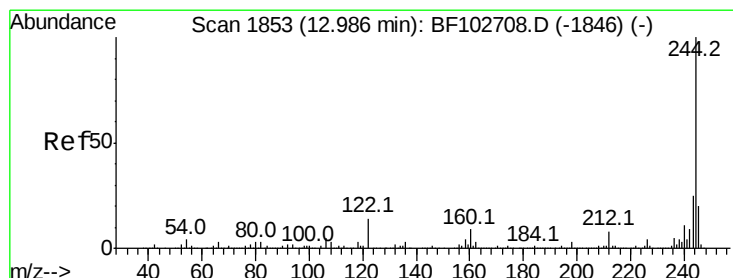
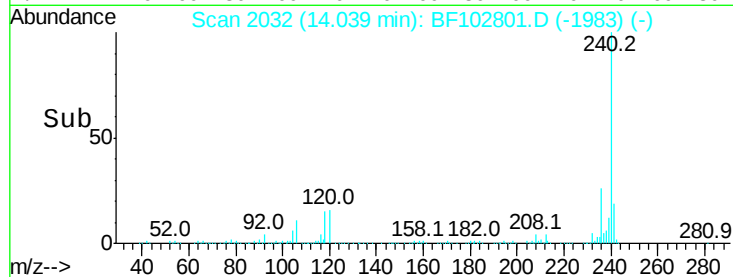
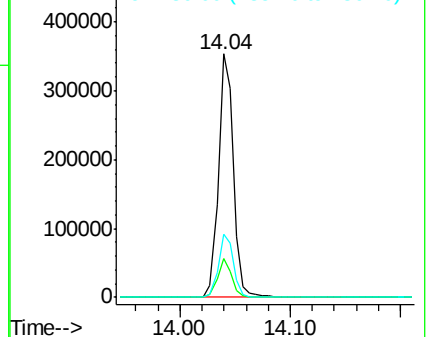
236 25.8 20.7 31.1



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



#78

Terphenyl-d14

Concen: 91.153 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102801.D

Acq: 6 Feb 2018 23:52

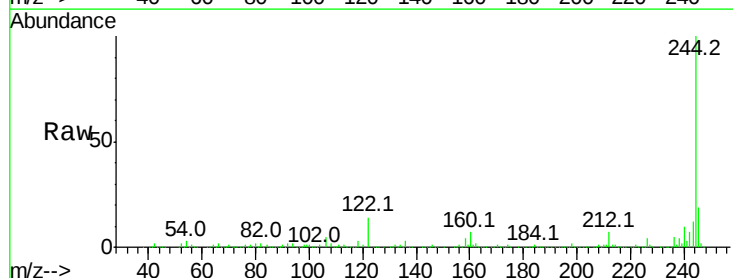
Tgt Ion:244 Resp: 1268629

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

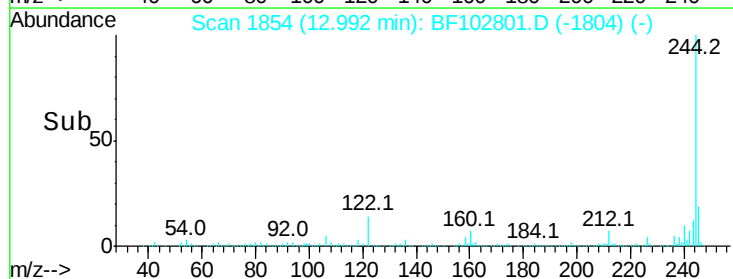
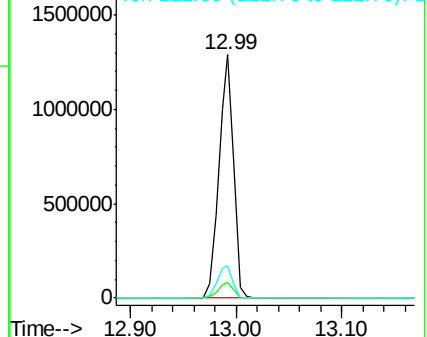
122 13.5 11.0 16.4

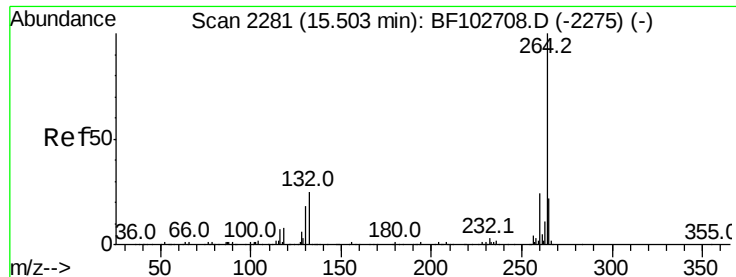


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102801.D
Acq: 6 Feb 2018 23:52

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3

