

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102803.D
 Acq On : 7 Feb 2018 00:45
 Operator : SJ/JU
 Sample : J1460-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Feb 07 01:31:22 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	191325	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	756368	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	304881	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	413136	20.00	ng	0.00
75) Chrysene-d12	14.04	240	333080	20.00	ng	-0.01
86) Perylene-d12	15.52	264	298447	20.00	ng	0.00

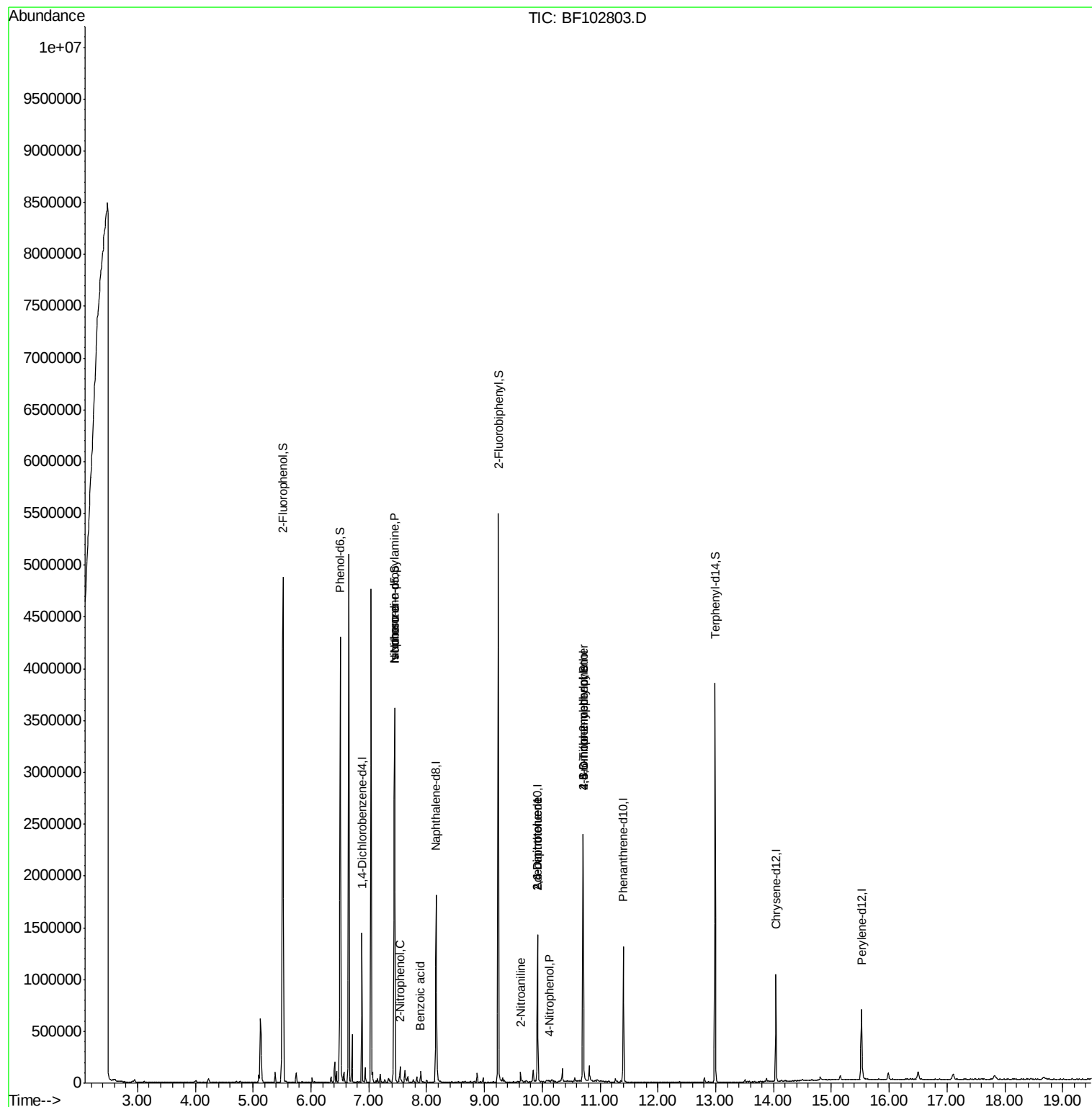
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1457229	115.67	ng	0.02
7) Phenol-d6	6.51	99	1554541	102.48	ng	0.00
23) Nitrobenzene-d5	7.45	82	1204901	110.51	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	302091	123.10	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1997038	108.69	ng	0.00
78) Terphenyl-d14	12.99	244	1311288	93.22	ng	0.00

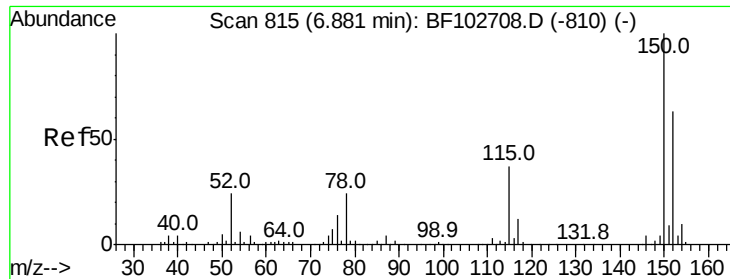
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	161039	16.102	ng	# 80
25) Isophorone	7.45	82	1204888	47.991	ng	# 64
26) 2-Nitrophenol	7.55	139	1297	8.868	ng	# 34
32) Benzoic acid	7.89	122	144	8.561	ng	# 6
47) 2-Nitroaniline	9.63	65	352	3.525	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	37815	8.361	ng	# 26
55) 4-Nitrophenol	10.12	139	258	4.077	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	37815	8.910	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	673	9.154	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	20009	4.578	ng	# 1

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

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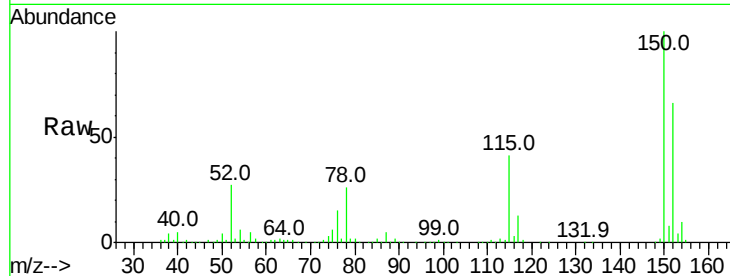




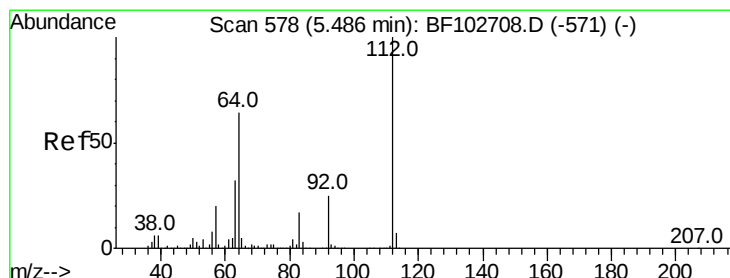
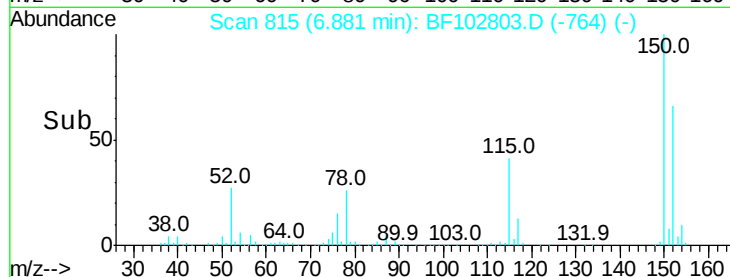
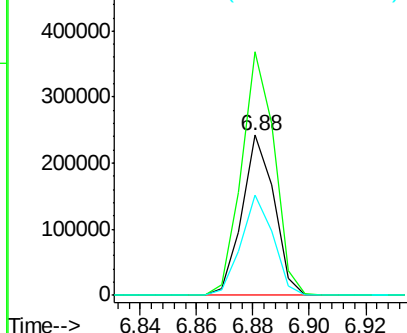
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102803.D
Acq: 7 Feb 2018 00:45

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.6	186.8
115	62.3	50.1	75.1



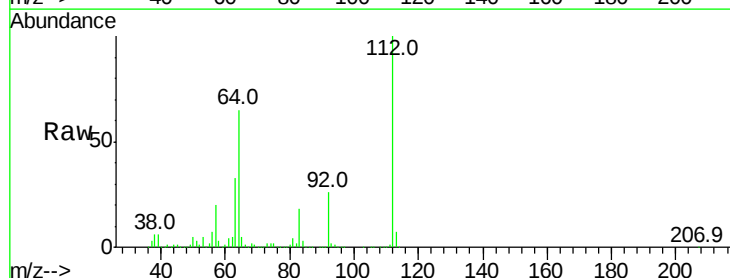
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



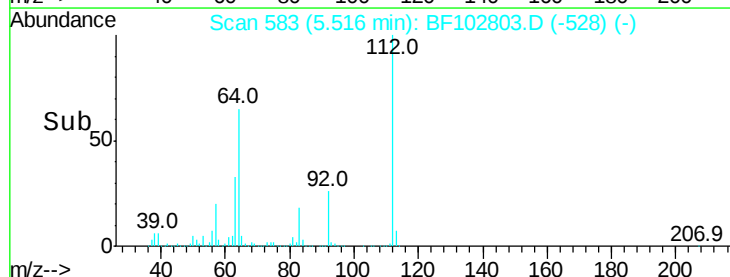
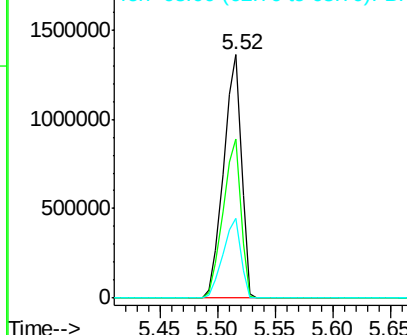
#5

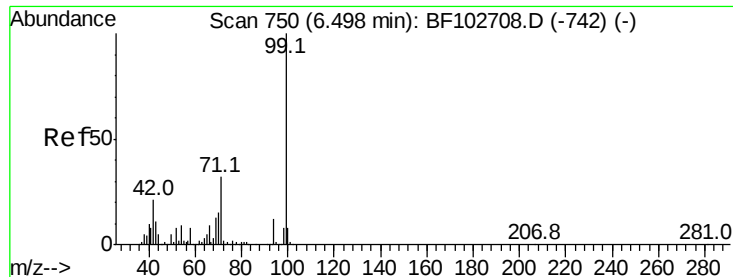
2-Fluorophenol
Concen: 115.669 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF102803.D
Acq: 7 Feb 2018 00:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	32.8	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: 102.481 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

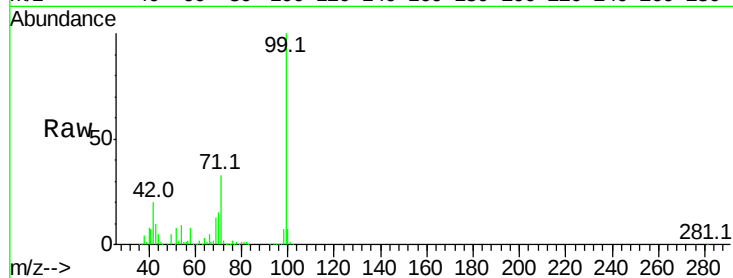
Tot Ion: 99 Resp: 1554541

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

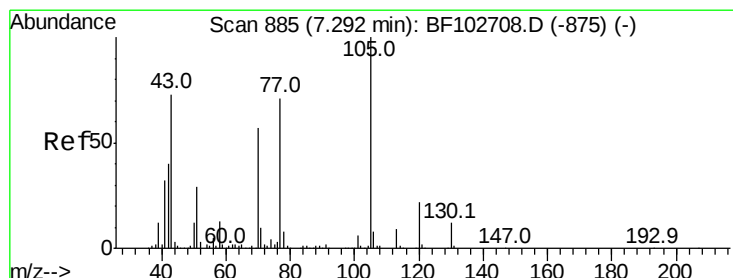
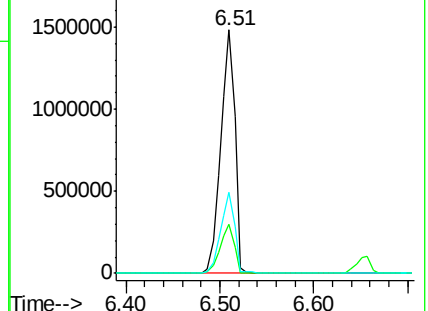
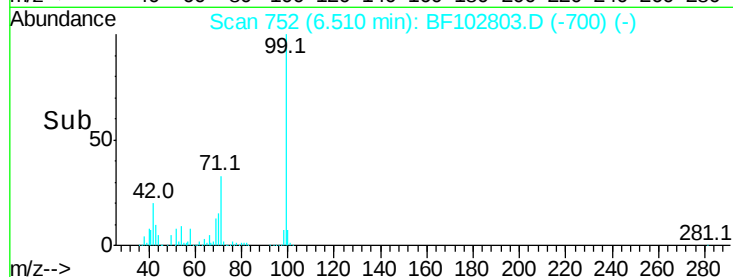
71 33.4 25.4 38.0



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: 16.102 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

Tgt Ion: 70 Resp: 161039

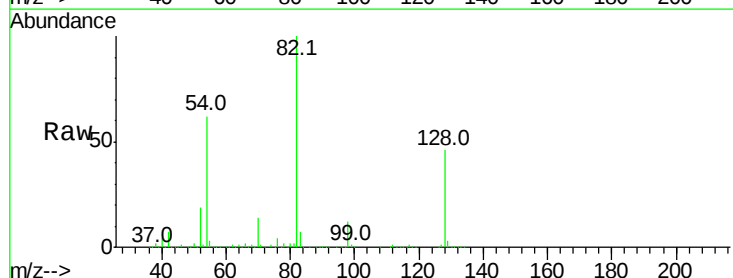
Ion Ratio Lower Upper

70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

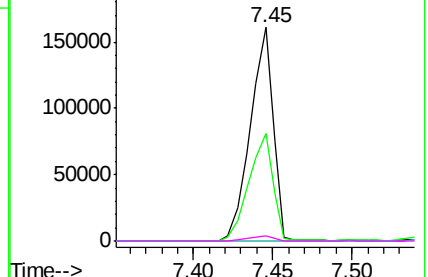
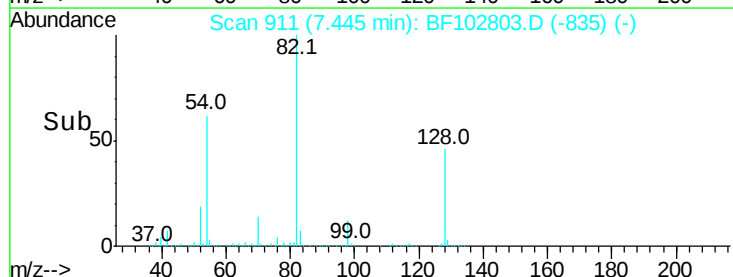


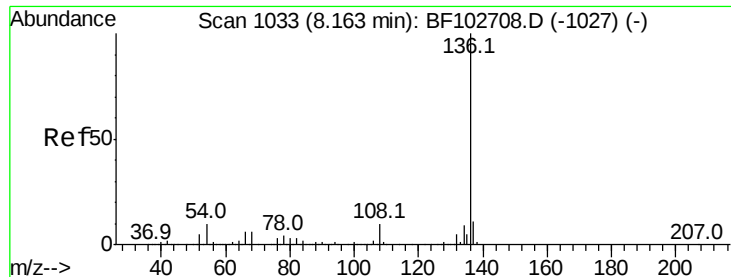
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF102803.D

Acq: 7 Feb 2018 00:45

Tot Ion:136 Resp: 756368

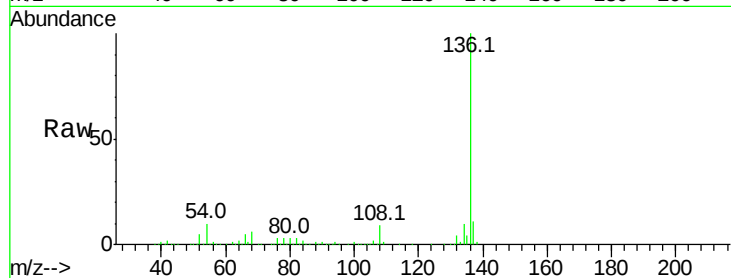
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.6 6.6 9.8

68 6.2 5.0 7.4

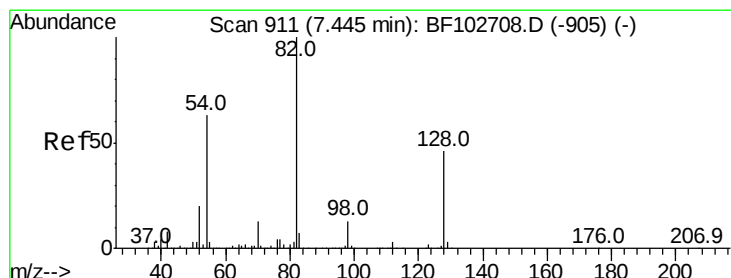
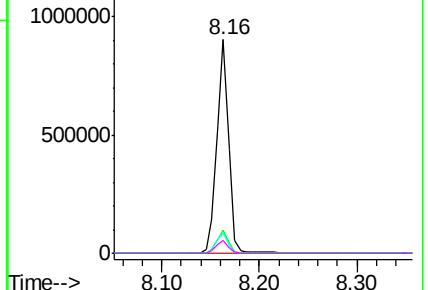
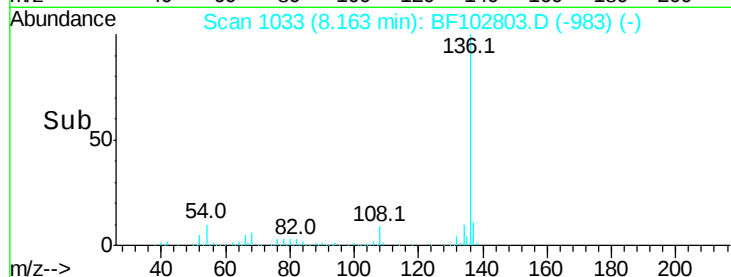


Abundance Ion 136.00 (135.70 to 136.70): E

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: 110.508 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

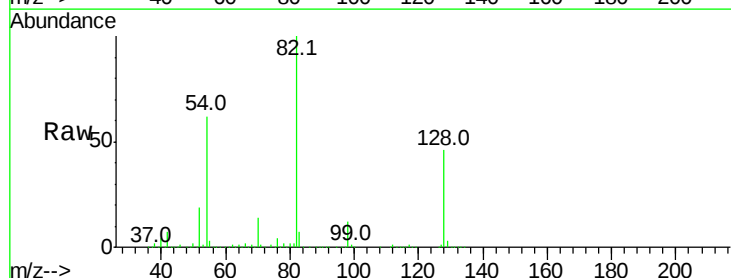
Tgt Ion: 82 Resp: 1204901

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

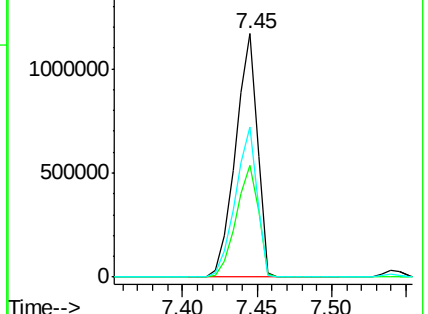
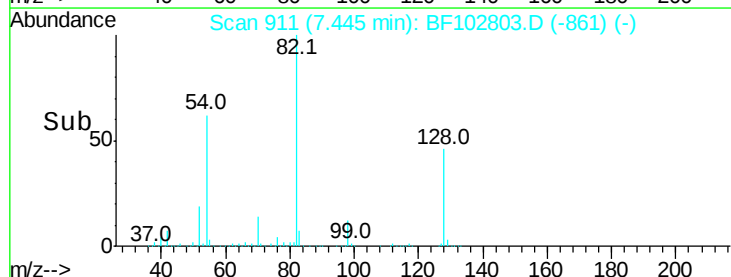
54 61.8 41.4 62.2

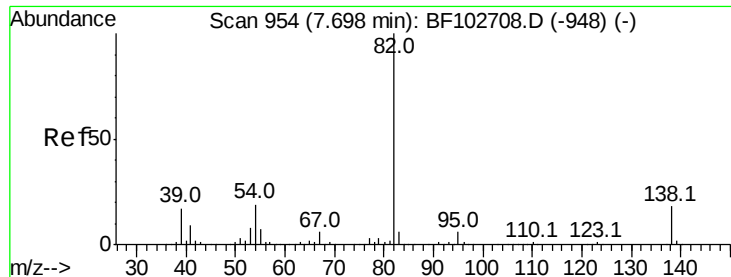


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.991 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

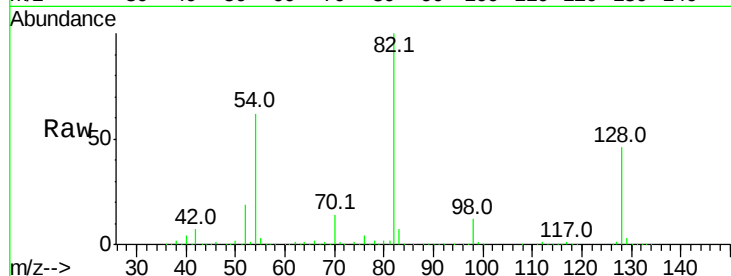
Tot Ion: 82 Resp: 1204888

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

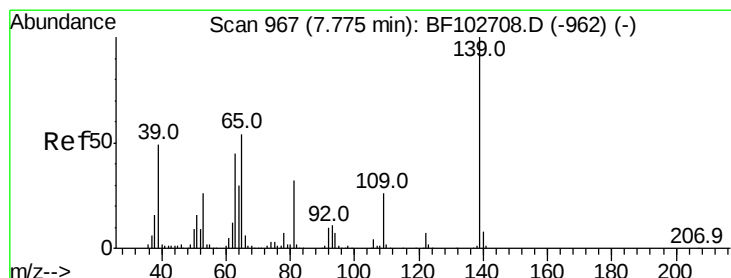
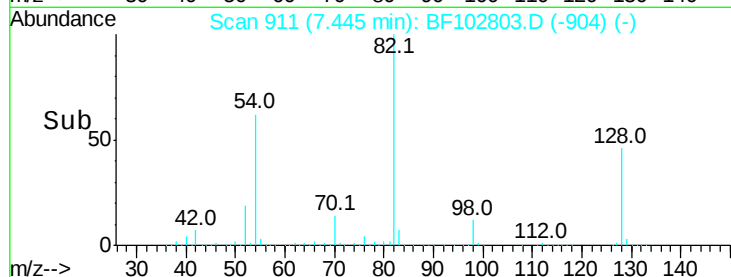
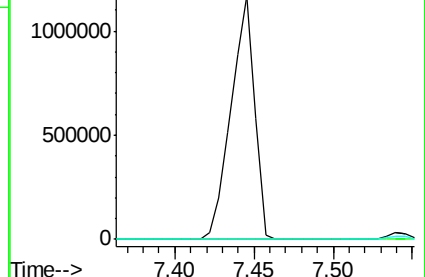
138 0.0 14.9 22.3#



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: 8.868 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.24 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

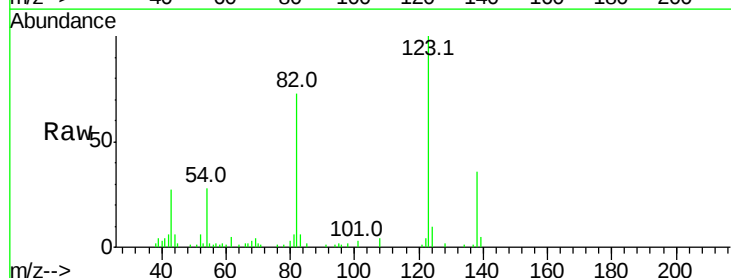
Tgt Ion: 139 Resp: 1297

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

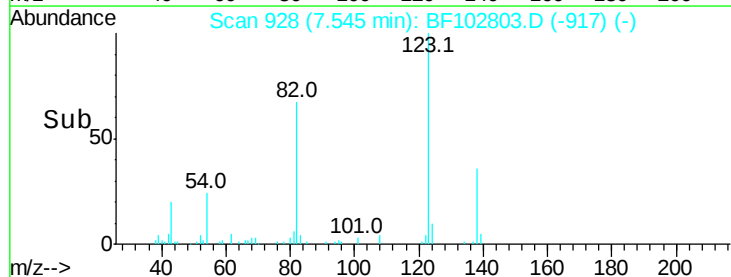
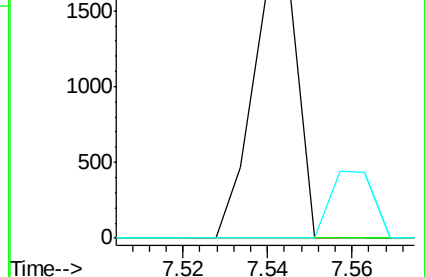
65 0.0 40.5 60.7#

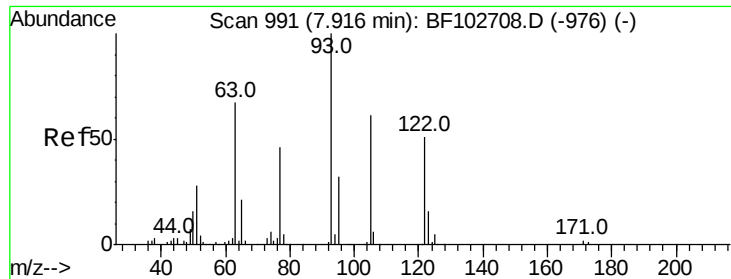


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

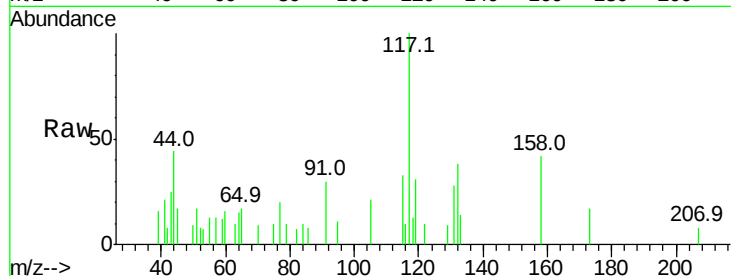
Ion 65.00 (64.70 to 65.70): BF1



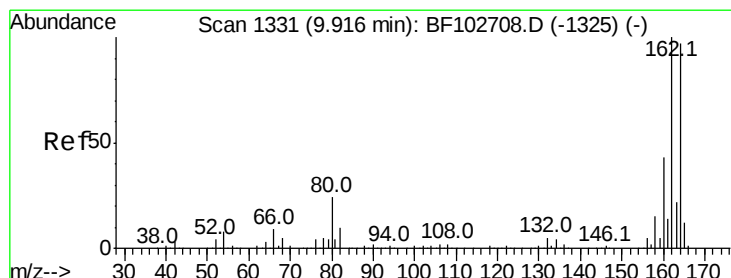
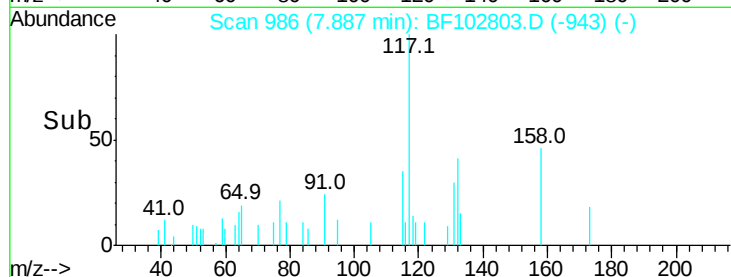
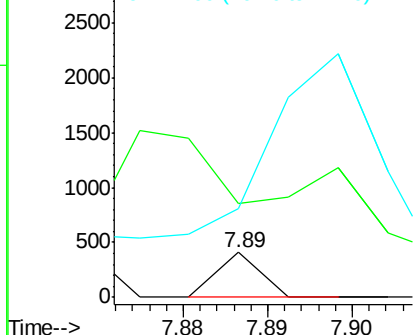


#32
Benzoic acid
Concen: 8.561 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.05 min
Lab File: BF102803.D
Acq: 7 Feb 2018 00:45

Tot Ion:122 Resp: 144
Ion Ratio Lower Upper
122 100
105 208.6 101.1 141.1#
77 198.5 70.7 110.7#

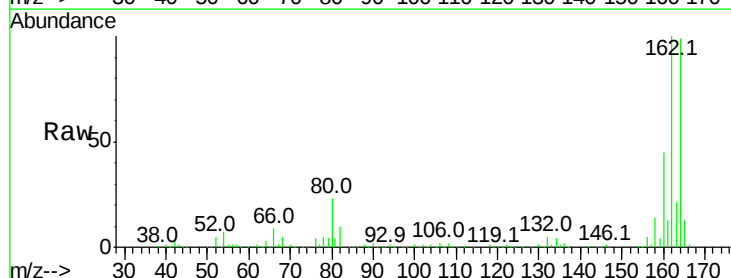


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

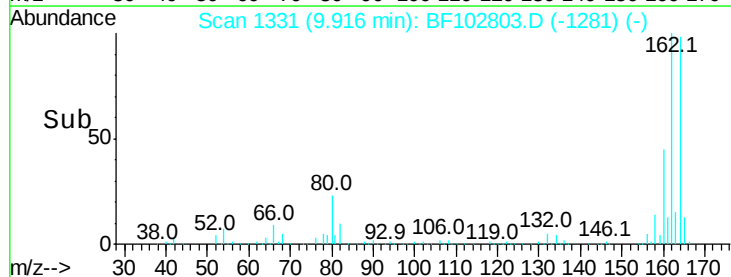
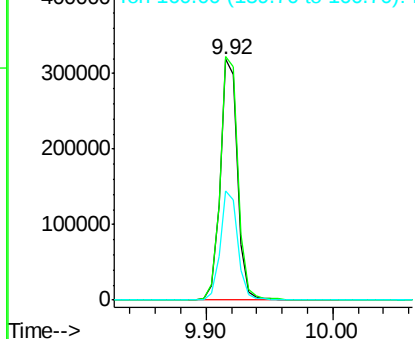


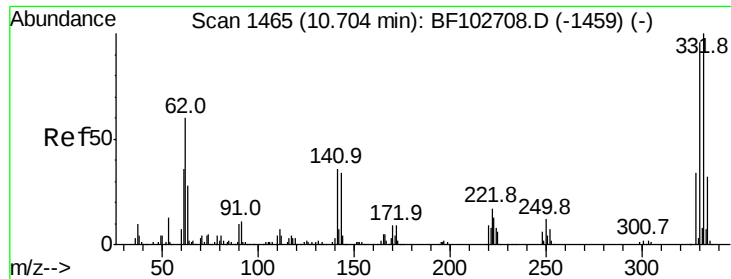
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102803.D
Acq: 7 Feb 2018 00:45

Tgt Ion:164 Resp: 304881
Ion Ratio Lower Upper
164 100
162 101.2 86.1 129.1
160 45.4 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: 123.105 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

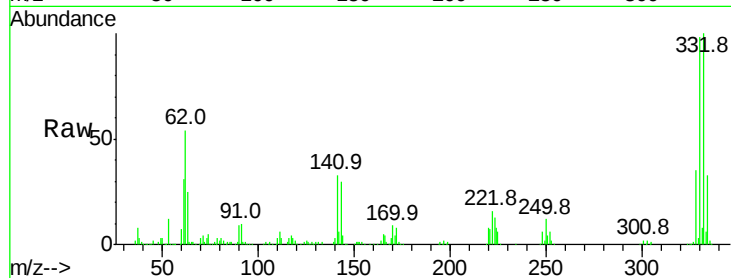
Tot Ion:330 Resp: 302091

Ion	Ratio	Lower	Upper
330	100		
332	101.9	77.0	115.6
141	38.2	29.9	44.9

330 100

332 101.9 77.0 115.6

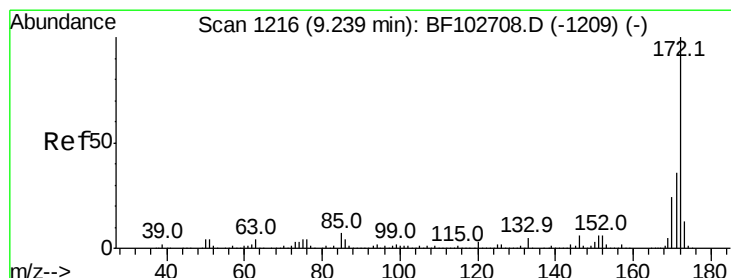
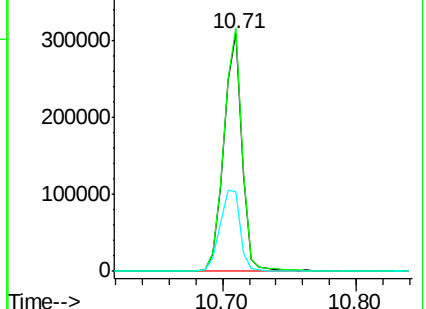
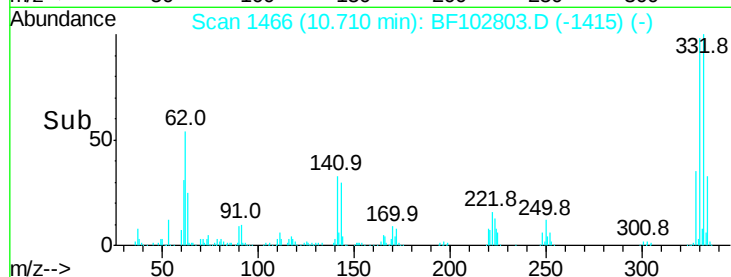
141 38.2 29.9 44.9



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: 108.691 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

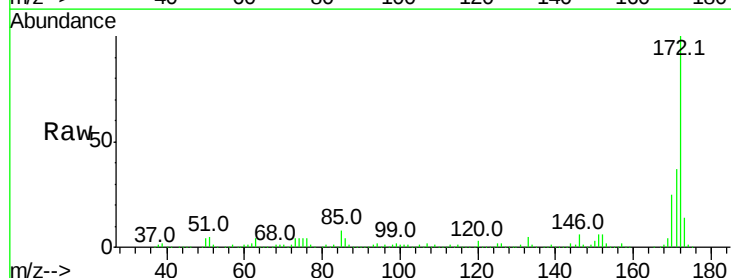
Tgt Ion:172 Resp: 1997038

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.8	19.6	29.4

172 100

171 36.8 29.7 44.5

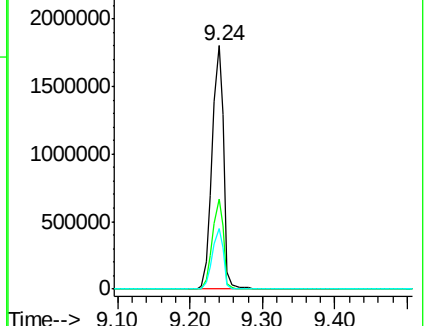
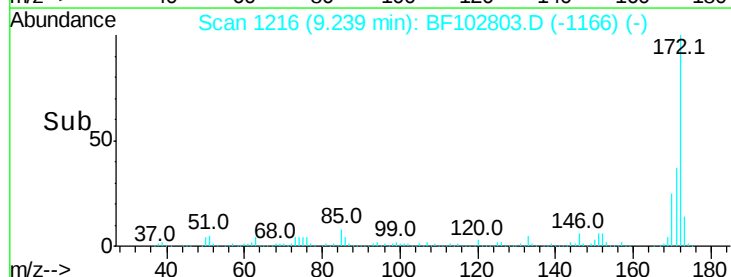
170 24.8 19.6 29.4

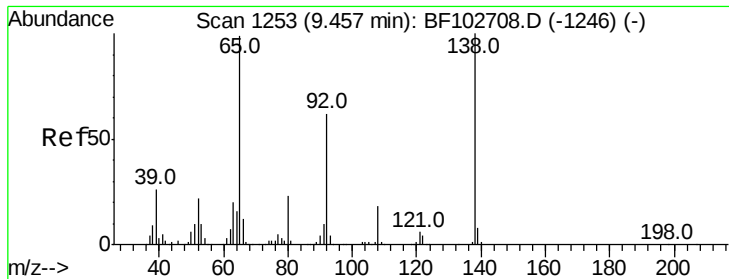


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 3.525 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.16 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

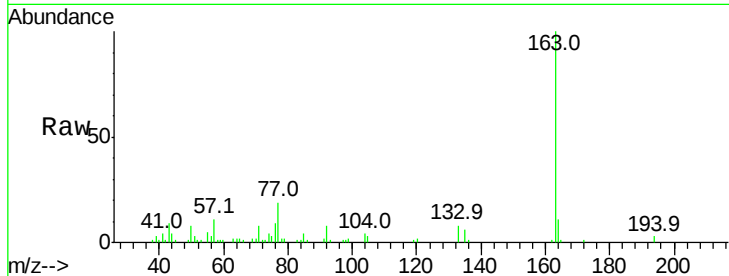
Tot Ion: 65 Resp: 352

Ion Ratio Lower Upper

65 100

92 497.4 55.8 83.6#

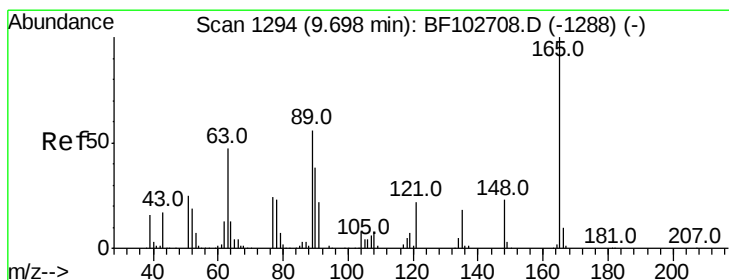
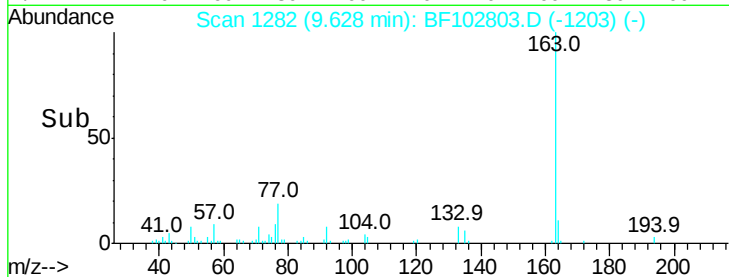
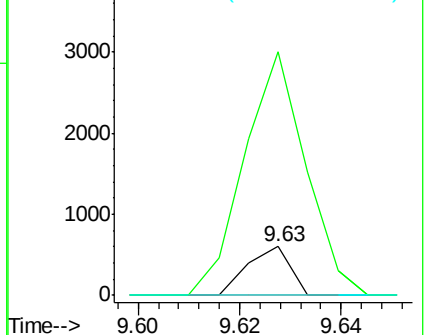
138 0.0 91.2 136.8#



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



#50

2,6-Dinitrotoluene

Concen: 8.361 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF102803.D

Acq: 7 Feb 2018 00:45

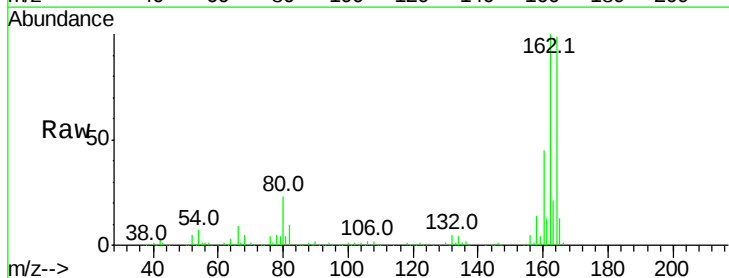
Tgt Ion:165 Resp: 37815

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

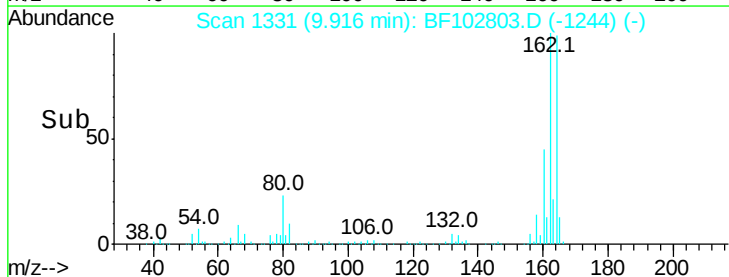
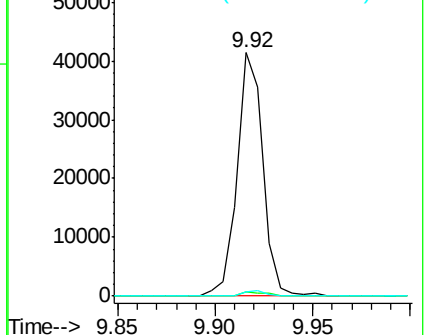
89 1.5 44.0 66.0#

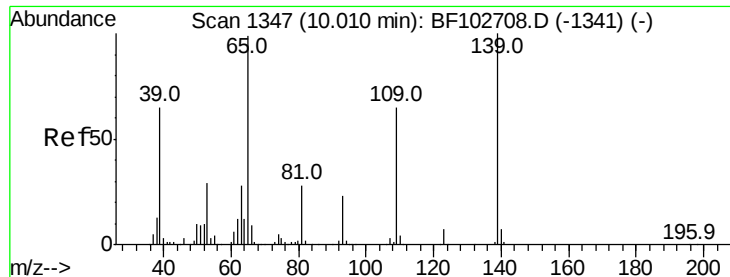


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

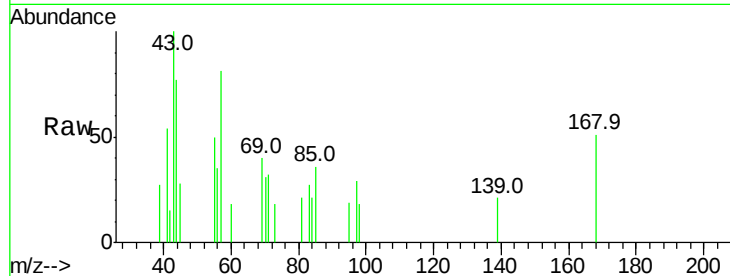
Ion 89.00 (88.70 to 89.70): BF1



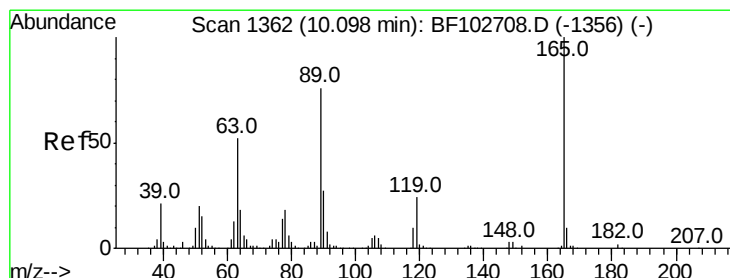
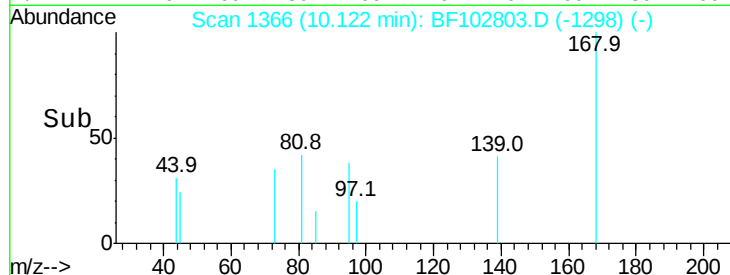
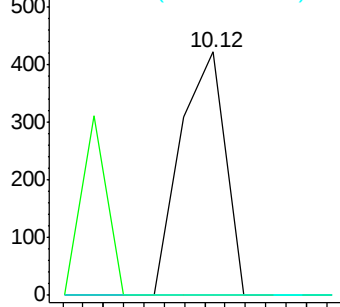


#55
4-Nitrophenol
Concen: 4.077 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102803.D
Acq: 7 Feb 2018 00:45

Tot Ion:139 Resp: 258
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

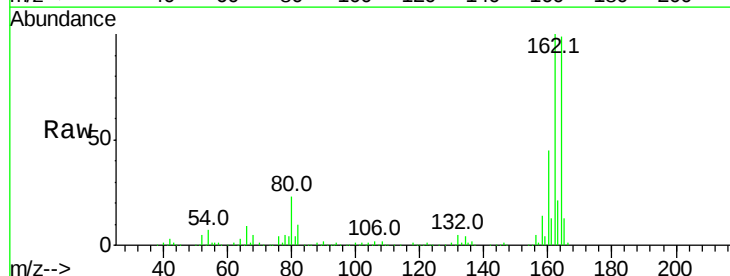


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

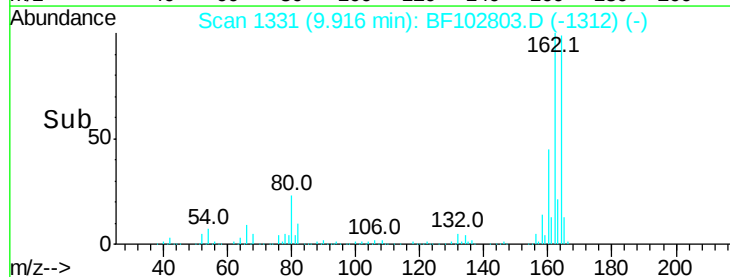
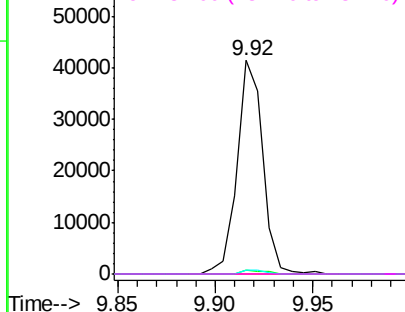


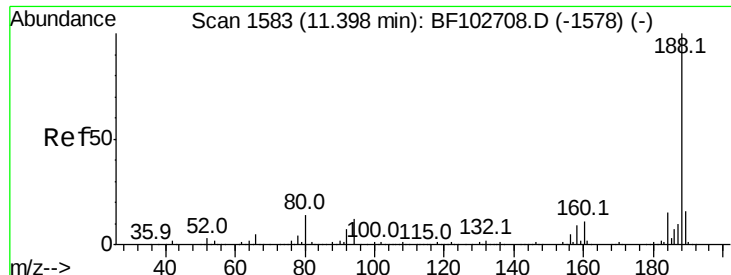
#56
2,4-Dinitrotoluene
Concen: 8.910 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102803.D
Acq: 7 Feb 2018 00:45

Tgt Ion:165 Resp: 37815
Ion Ratio Lower Upper
165 100
63 1.8 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#



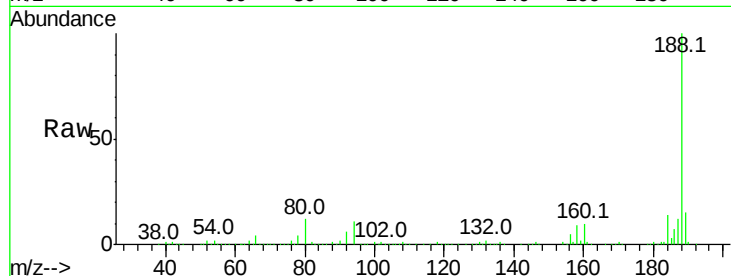
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102803.D
 Acq: 7 Feb 2018 00:45

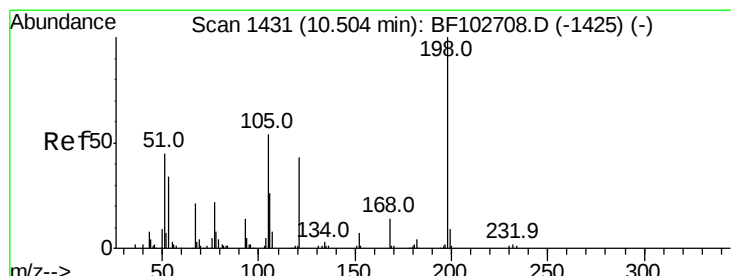
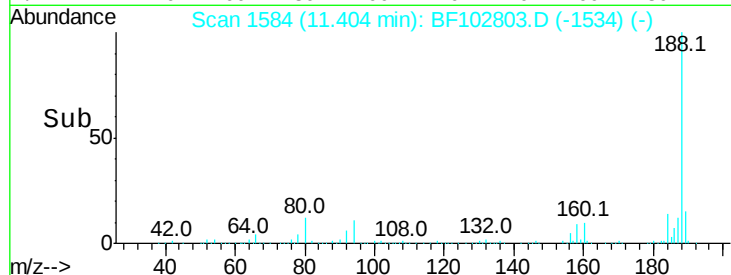
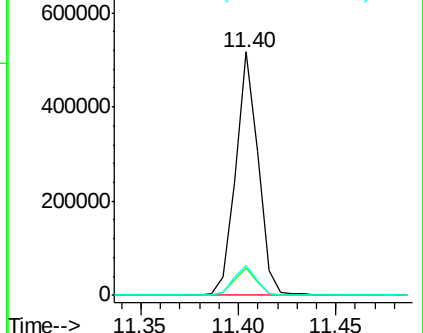
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.3	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

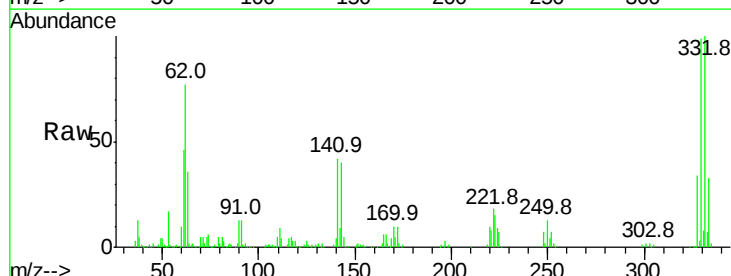
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.154 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF102803.D
 Acq: 7 Feb 2018 00:45

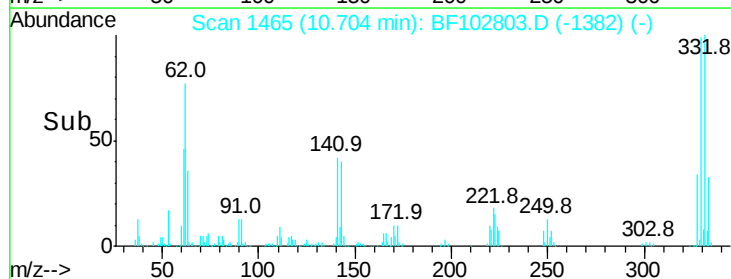
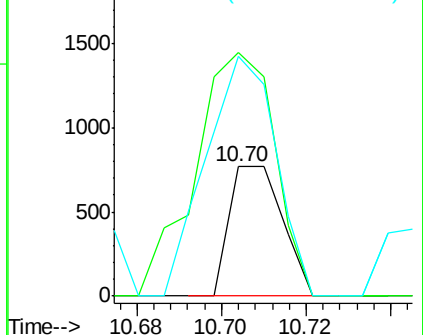
Tgt Ion	Ratio	Lower	Upper
198	100		
51	187.8	37.7	77.7#
105	184.9	36.3	76.3#

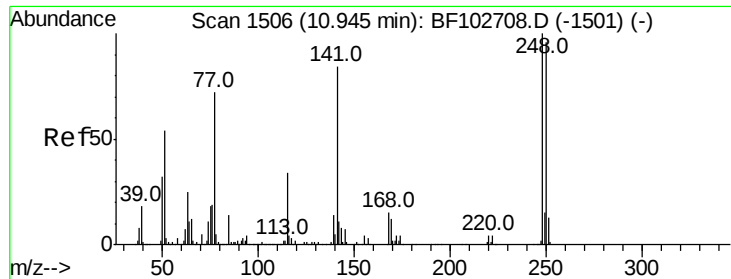


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

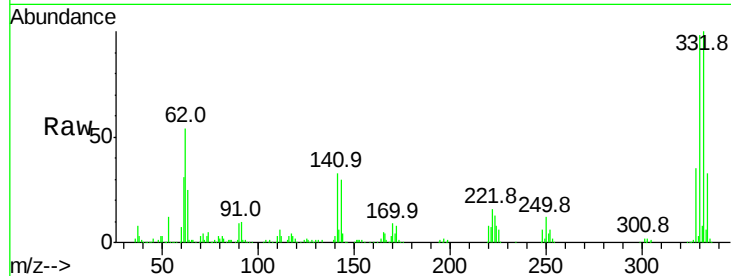
Ion 105.00 (104.70 to 105.70): E



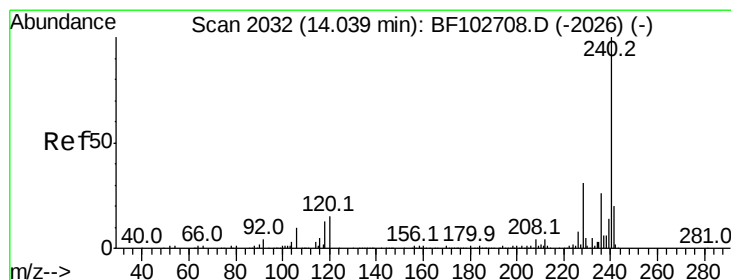
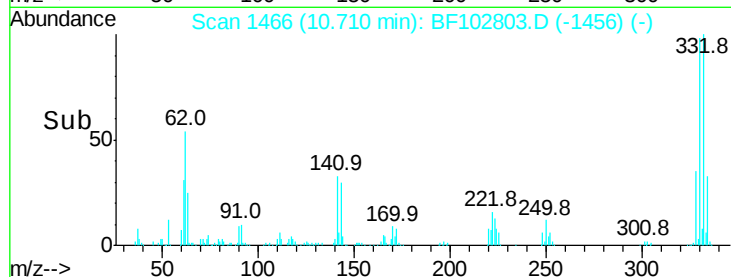
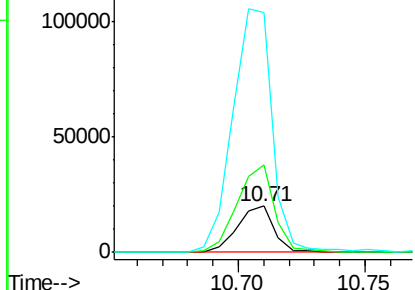


#66
4-Bromophenyl-phenylether
Concen: 4.578 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102803.D
Acq: 7 Feb 2018 00:45

Tot Ion:248 Resp: 20009
Ion Ratio Lower Upper
248 100
250 191.1 76.9 115.3#
141 520.7 74.4 111.6#

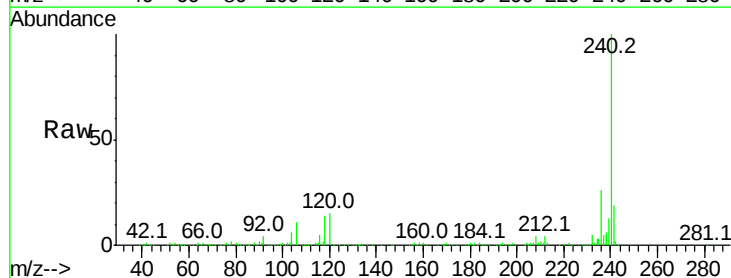


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

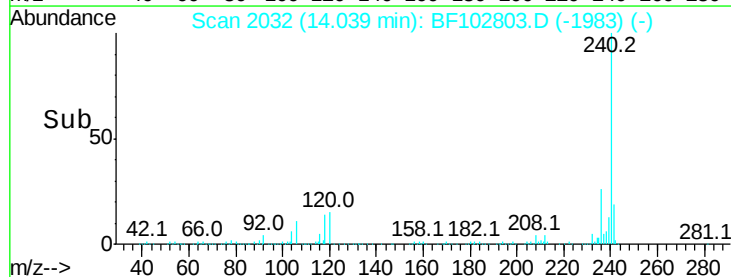
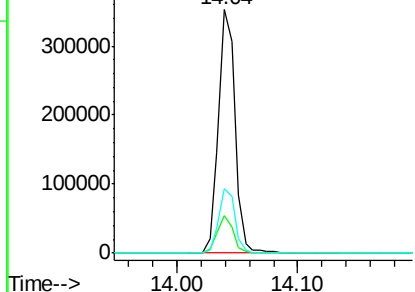


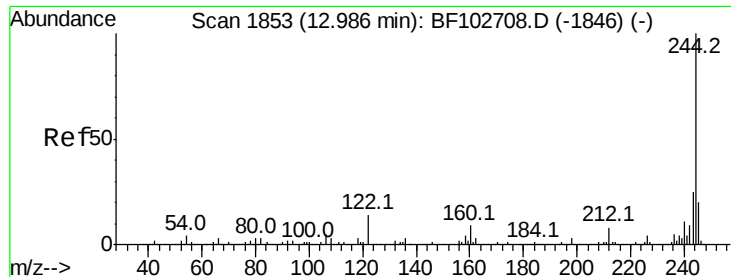
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF102803.D
Acq: 7 Feb 2018 00:45

Tgt Ion:240 Resp: 333080
Ion Ratio Lower Upper
240 100
120 15.5 9.5 14.3#
236 26.5 20.7 31.1



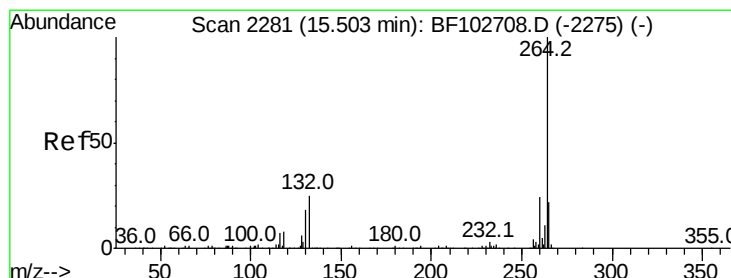
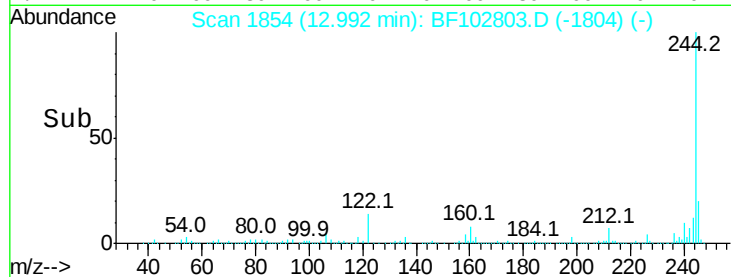
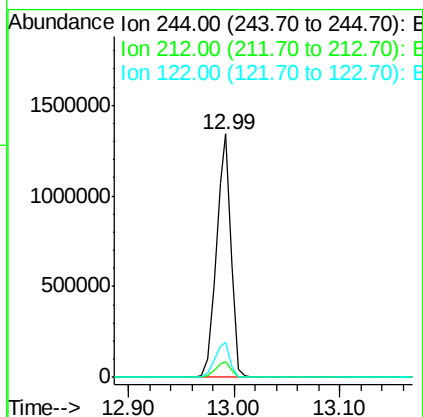
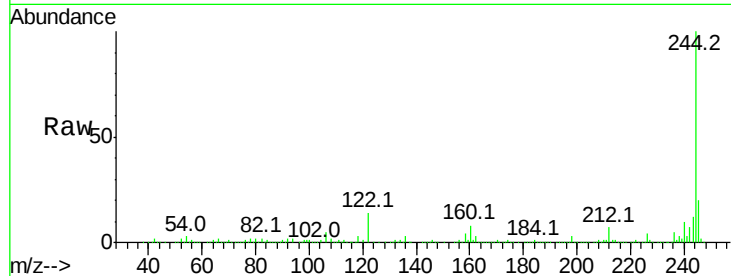
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78
 Terphenyl-d14
 Concen: 93.216 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102803.D
 Acq: 7 Feb 2018 00:45

Tot Ion:244 Resp: 1311288
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 14.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF102803.D
 Acq: 7 Feb 2018 00:45

Tgt Ion:264 Resp: 298447
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.2 28.8
 265 22.1 17.5 26.3

