

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102802.D
 Acq On : 7 Feb 2018 00:18
 Operator : SJ/JU
 Sample : J1460-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Feb 07 01:30:51 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	186552	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	742001	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	290512	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	397437	20.00	ng	0.00
75) Chrysene-d12	14.04	240	327257	20.00	ng	0.00
86) Perylene-d12	15.52	264	296317	20.00	ng	0.00

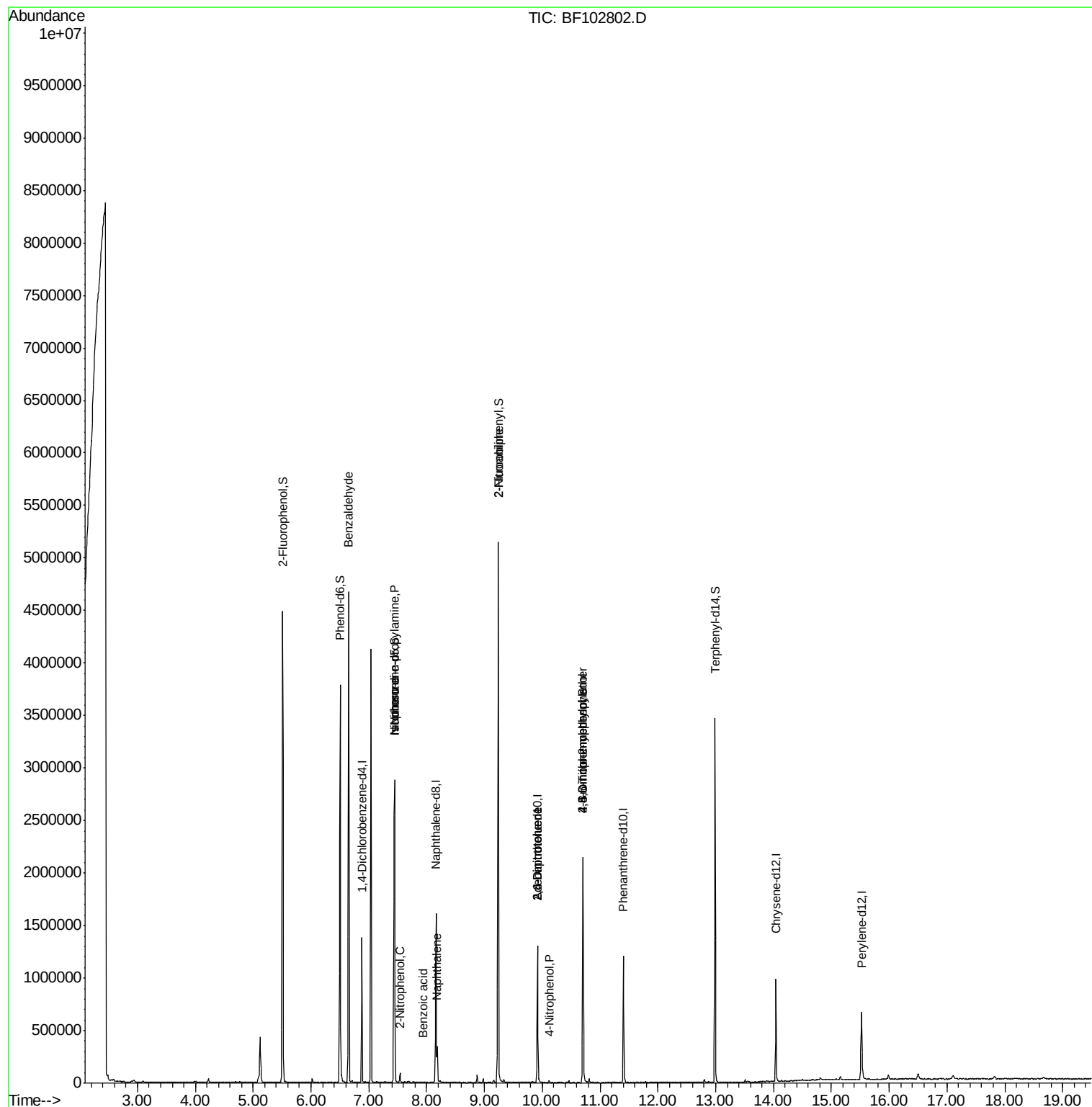
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1345723	109.55	ng	0.02
7) Phenol-d6	6.51	99	1407370	95.15	ng	0.00
23) Nitrobenzene-d5	7.45	82	1066745	99.73	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	261185	111.70	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1784775	101.94	ng	0.00
78) Terphenyl-d14	12.99	244	1178892	85.30	ng	0.00

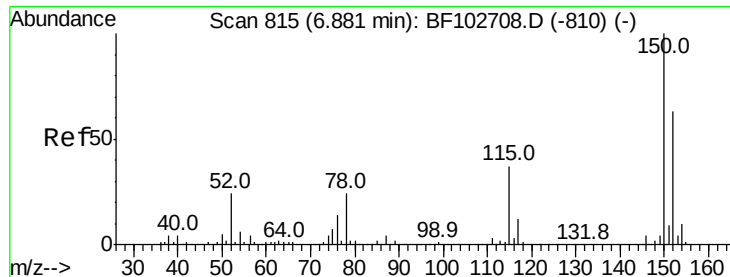
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	29288	2.666	ng	83
19) n-Nitroso-di-n-propylamine	7.45	70	140388	14.396	ng	# 80
25) Isophorone	7.45	82	1064528	43.221	ng	# 64
26) 2-Nitrophenol	7.55	139	999	8.825	ng	# 34
31) Naphthalene	8.19	128	170210	4.695	ng	98
32) Benzoic acid	7.94	122	175	8.566	ng	# 1
47) 2-Nitroaniline	9.24	65	3194	3.971	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	37261	8.646	ng	# 26
55) 4-Nitrophenol	10.12	139	2514	4.572	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	37261	9.109	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	694	9.180	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	17457	4.152	ng	# 1

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

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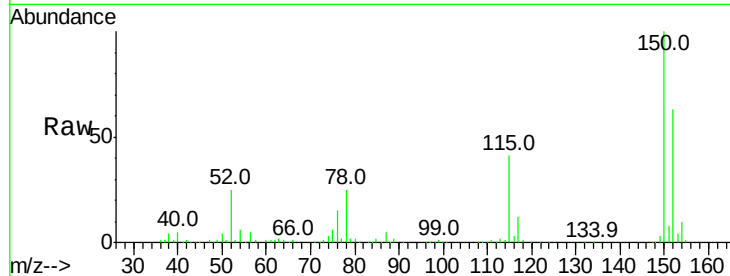




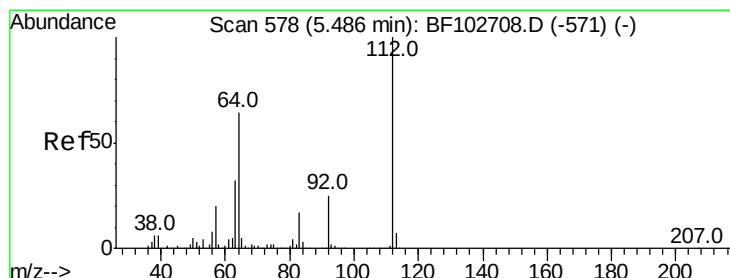
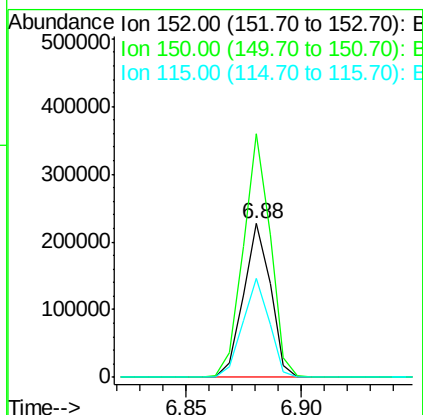
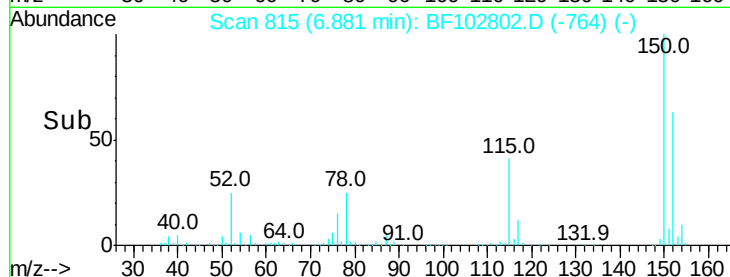
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102802.D
Acq: 7 Feb 2018 00:18

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	64.2	50.1	75.1



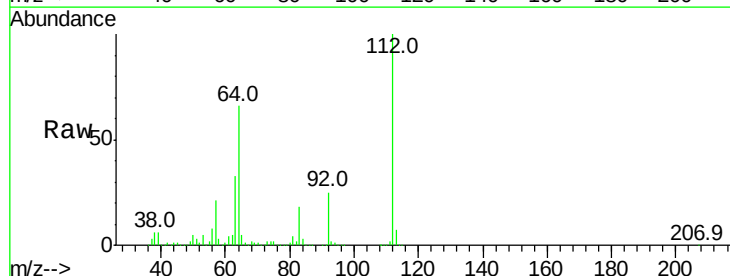
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



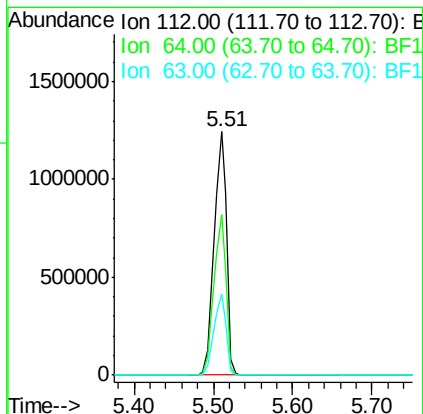
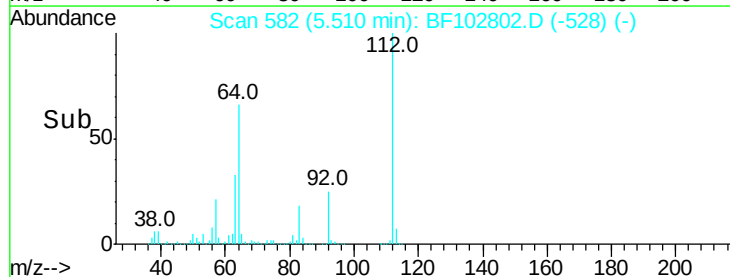
#5

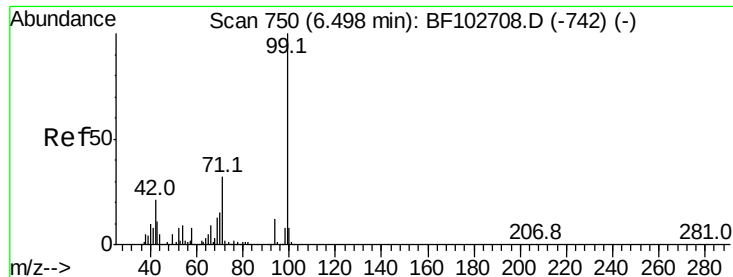
2-Fluorophenol
Concen: 109.551 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102802.D
Acq: 7 Feb 2018 00:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	33.2	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: 95.152 ng

RT: 6.51 min Scan# 752

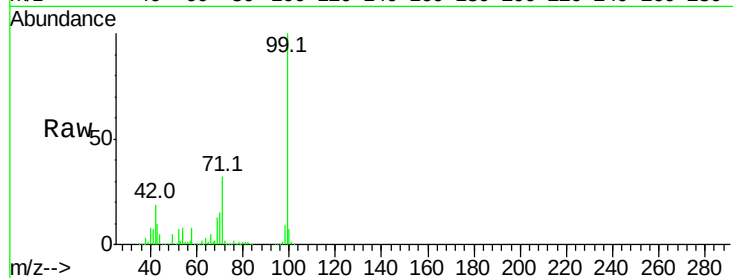
Delta R.T. 0.01 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

Tot Ion: 99 Resp: 1407370

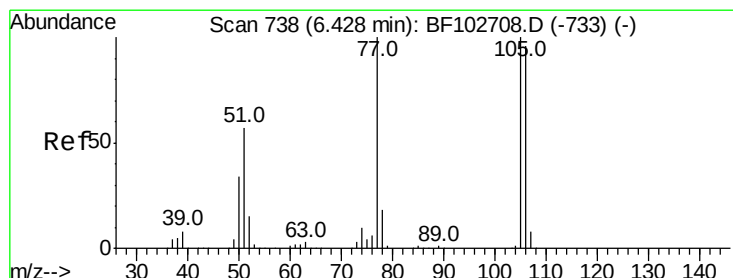
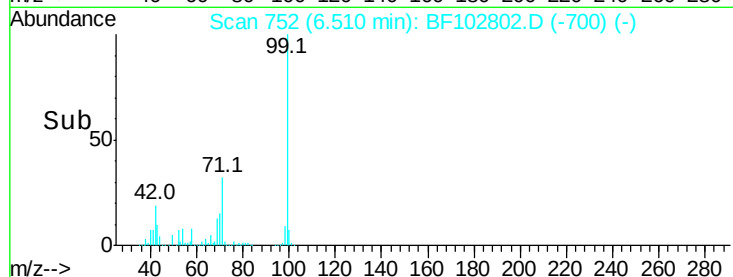
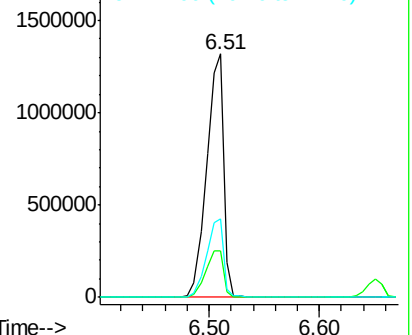
Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.5	21.7
71	32.3	25.4	38.0



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



#9

Benzaldehyde

Concen: 2.666 ng

RT: 6.65 min Scan# 776

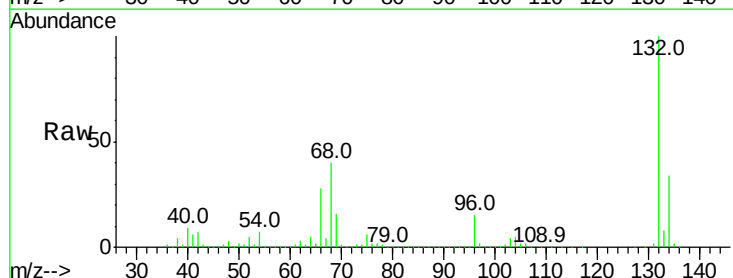
Delta R.T. 0.22 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

Tgt Ion: 77 Resp: 29288

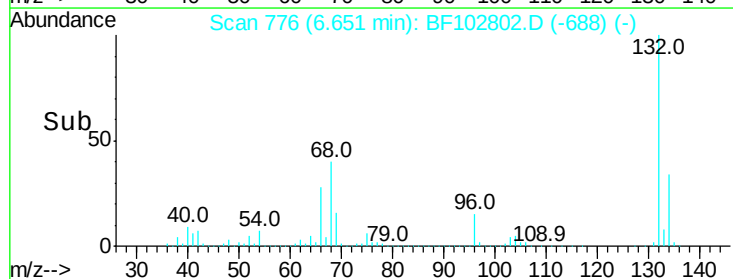
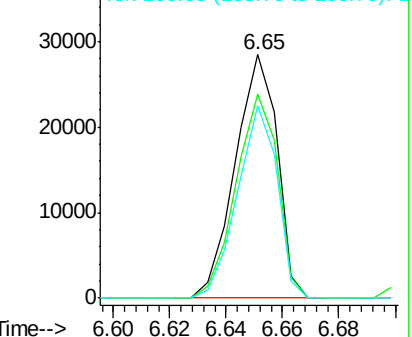
Ion	Ratio	Lower	Upper
77	100		
105	84.0	81.1	121.1
106	79.0	74.5	114.5

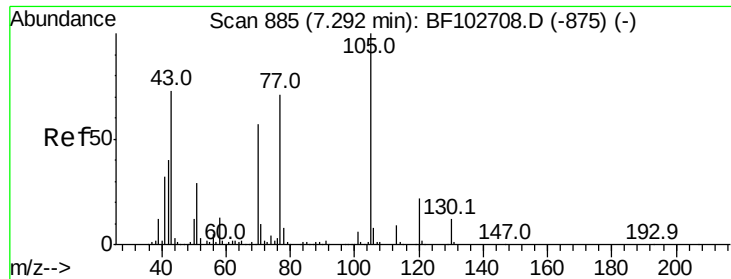


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 14.396 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

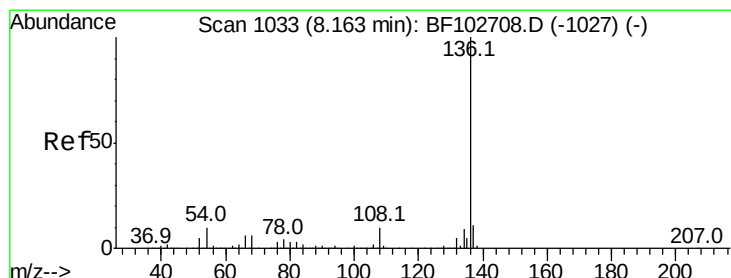
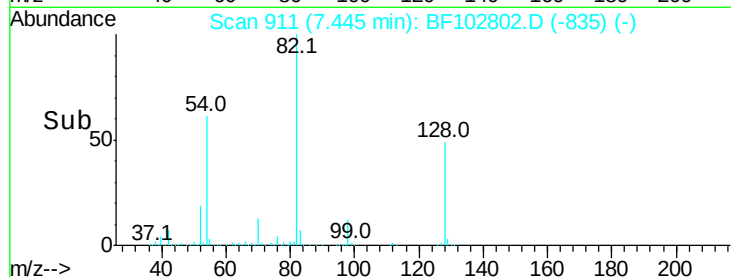
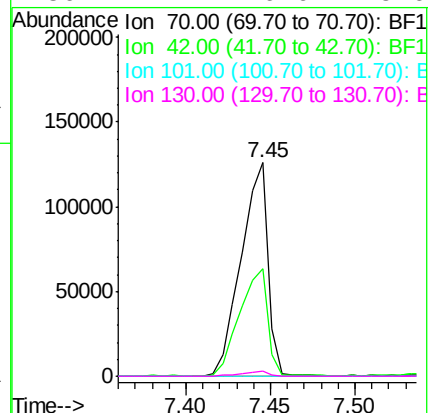
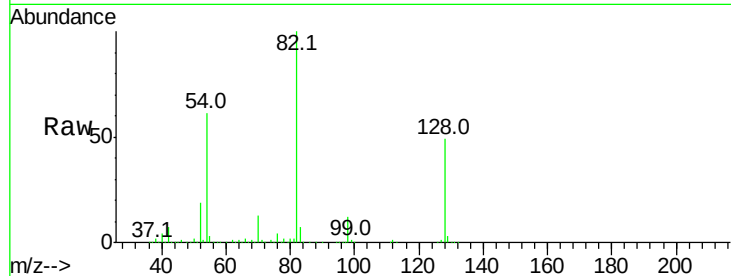
Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

Tot Ion: 70 Resp: 140388

Ion Ratio Lower Upper

70	100		
42	50.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

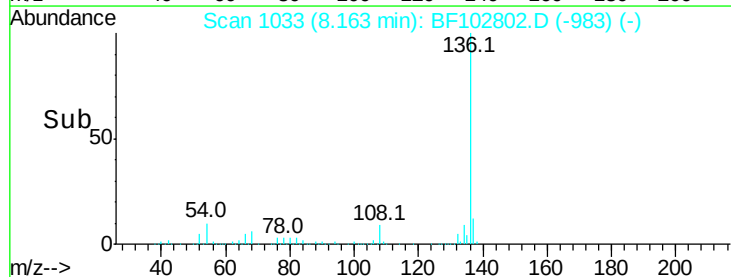
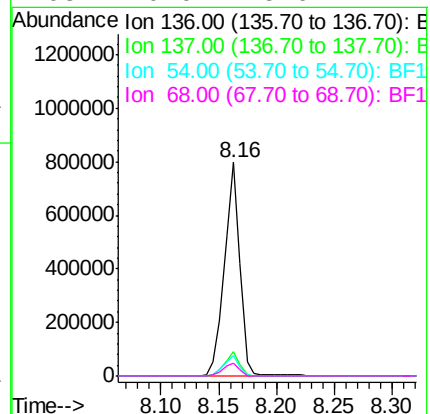
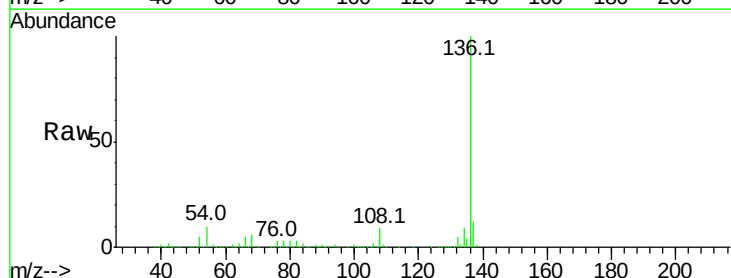
Lab File: BF102802.D

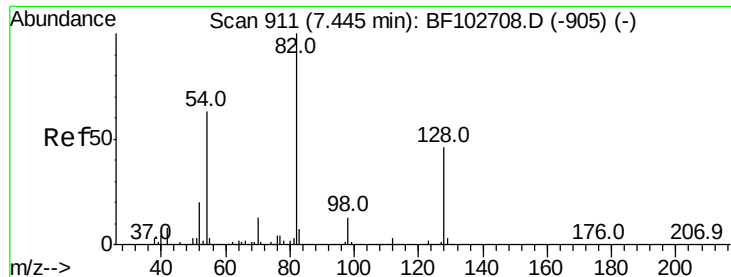
Acq: 7 Feb 2018 00:18

Tgt Ion: 136 Resp: 742001

Ion Ratio Lower Upper

136	100		
137	11.5	8.9	13.3
54	9.6	6.6	9.8
68	6.0	5.0	7.4





#23

Nitrobenzene-d5

Concen: 99.731 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

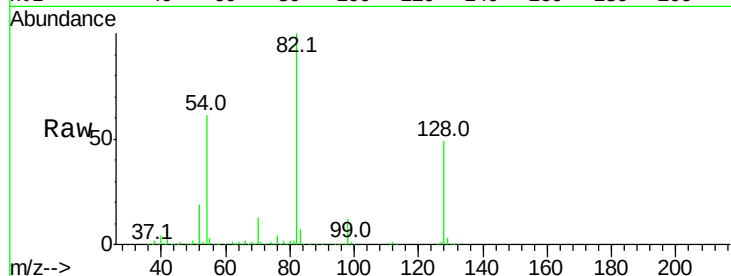
Tot Ion: 82 Resp: 1066745

Ion Ratio Lower Upper

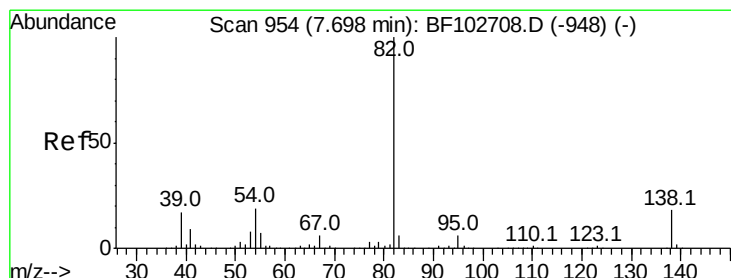
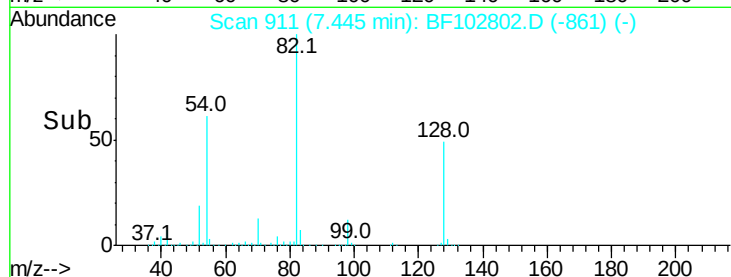
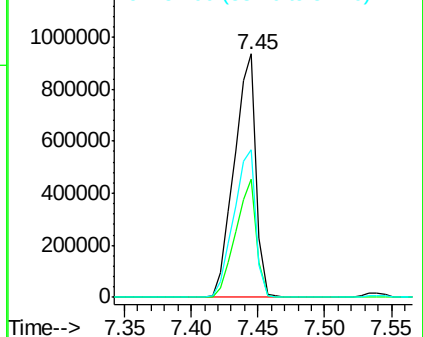
82 100

128 48.8 36.1 54.1

54 60.7 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: 43.221 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

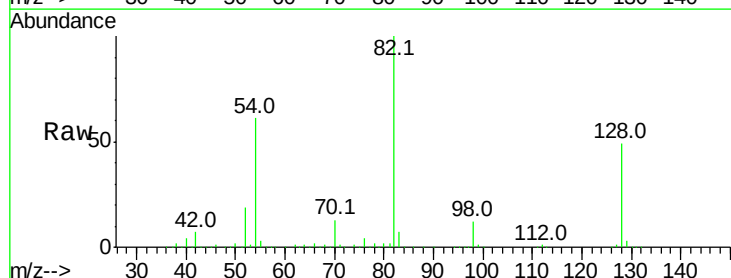
Tgt Ion: 82 Resp: 1064528

Ion Ratio Lower Upper

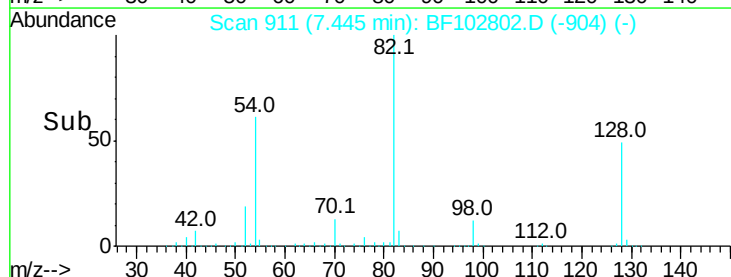
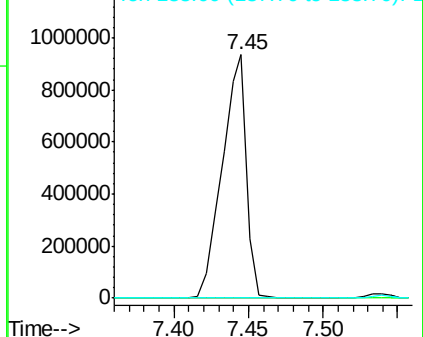
82 100

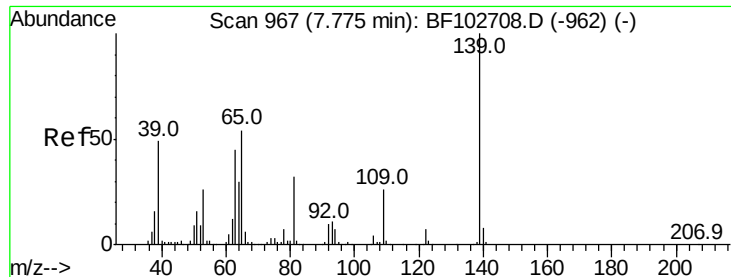
95 0.0 5.2 7.8#

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: 8.825 ng

RT: 7.55 min Scan# 928

Delta R.T. -0.24 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

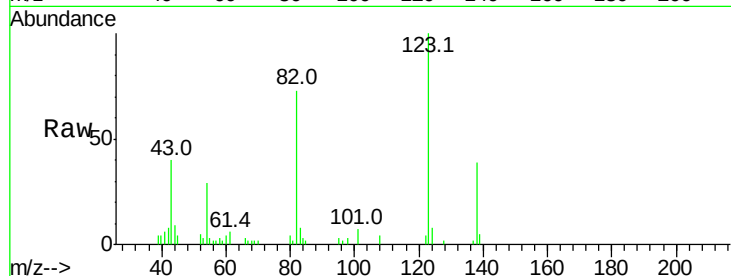
Tot Ion:139 Resp: 999

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

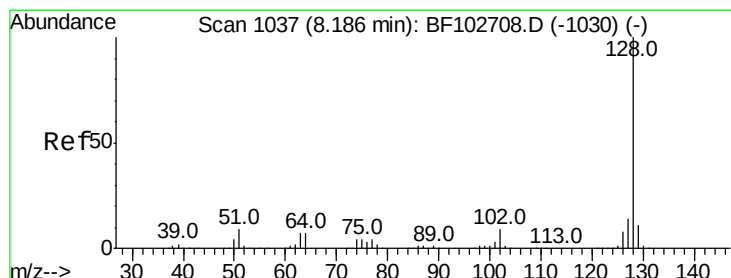
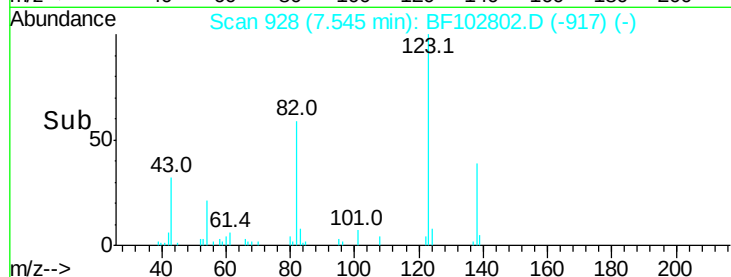
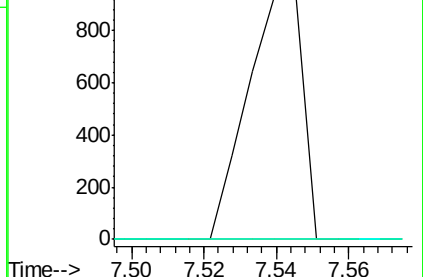
65 0.0 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#31

Naphthalene

Concen: 4.695 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

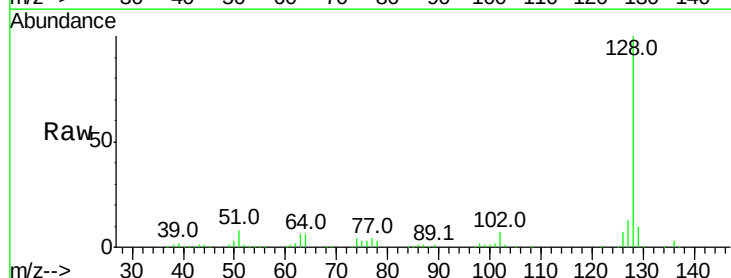
Tgt Ion:128 Resp: 170210

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

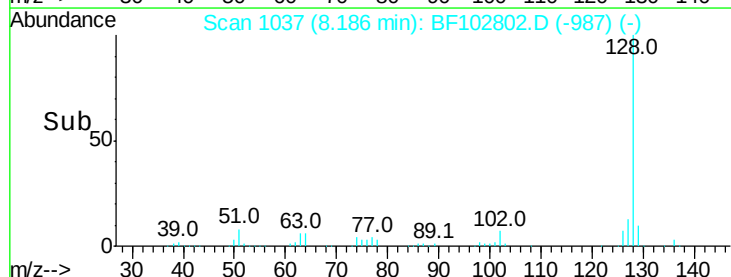
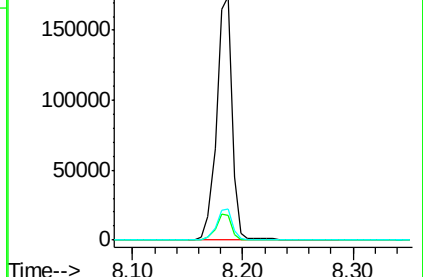
127 12.6 10.9 16.3

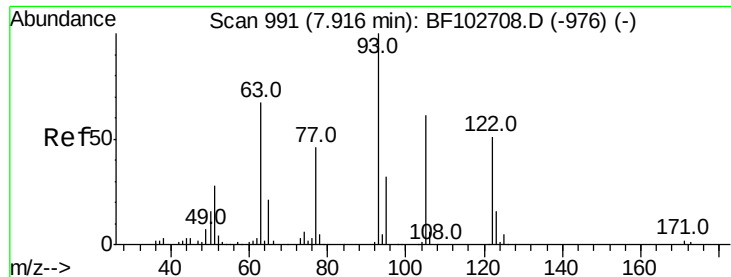


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 8.566 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

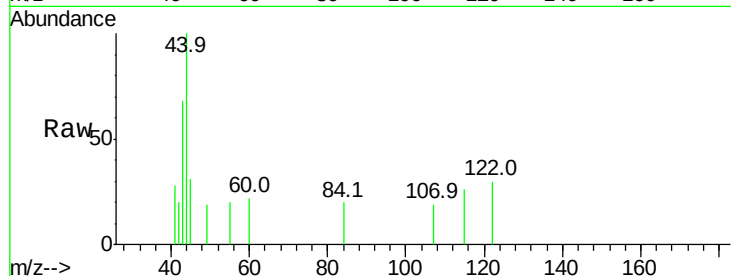
Tot Ion:122 Resp: 175

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

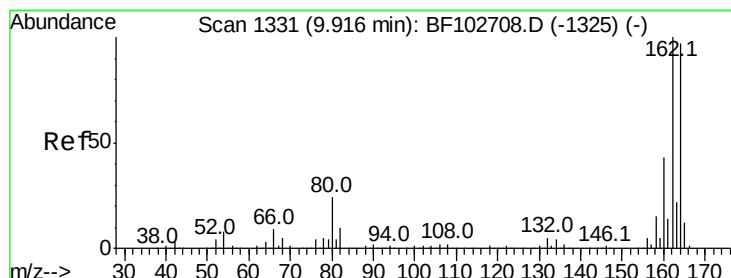
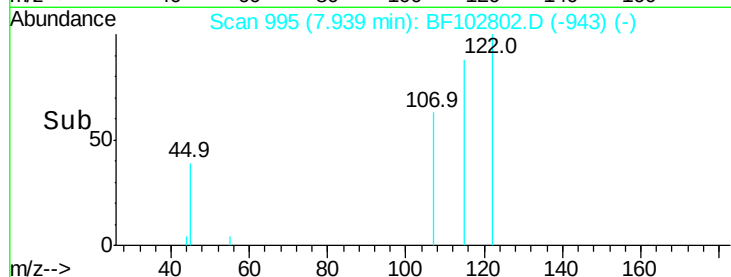
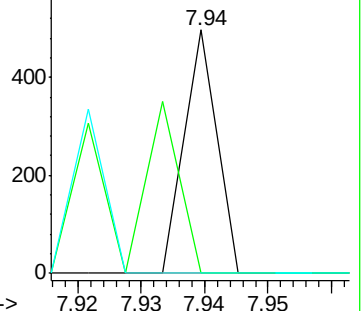
77 0.0 70.7 110.7#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

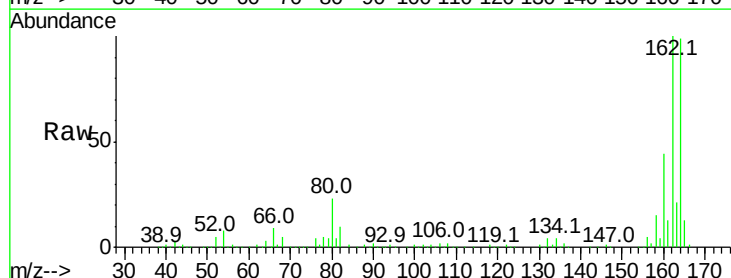
Tgt Ion:164 Resp: 290512

Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

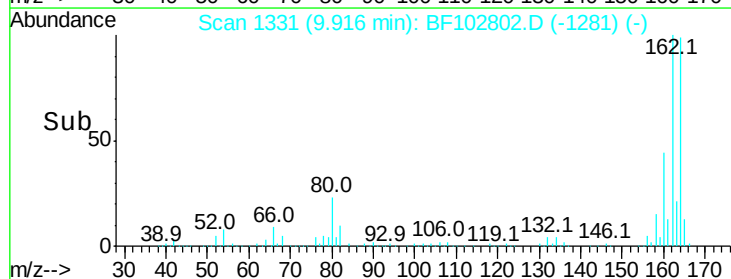
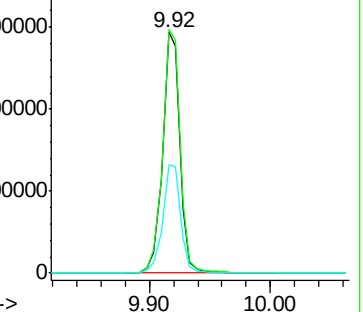
160 44.7 38.3 57.5

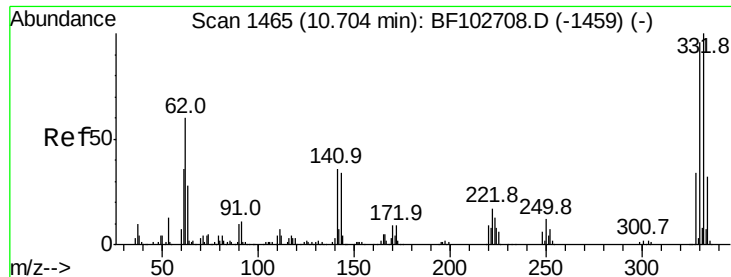


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 111.700 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

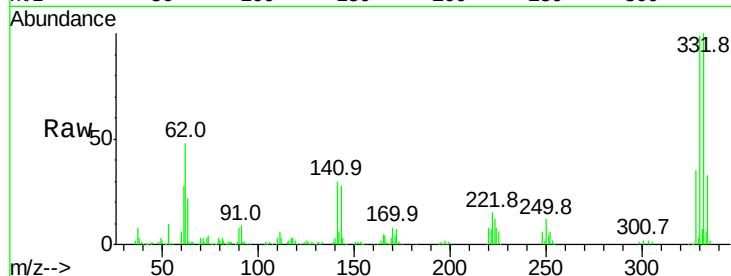
Tot Ion:330 Resp: 261185

Ion Ratio Lower Upper

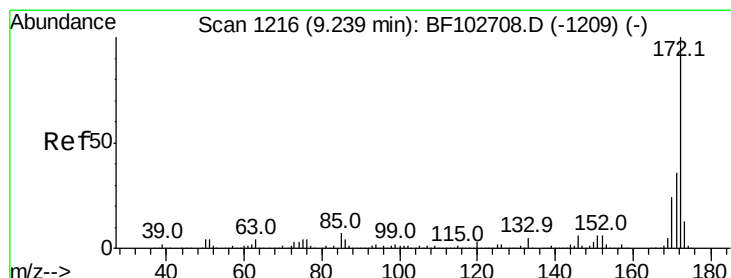
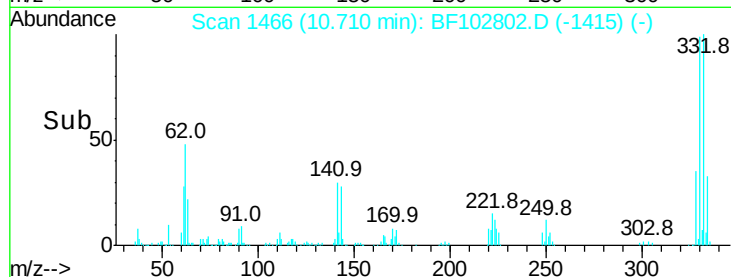
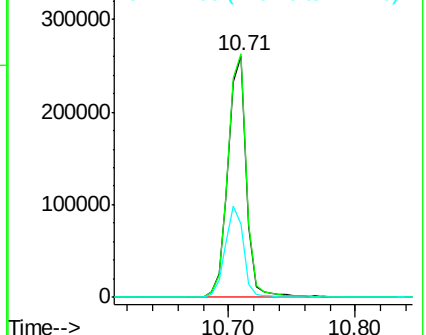
330 100

332 102.3 77.0 115.6

141 38.3 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: 101.943 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

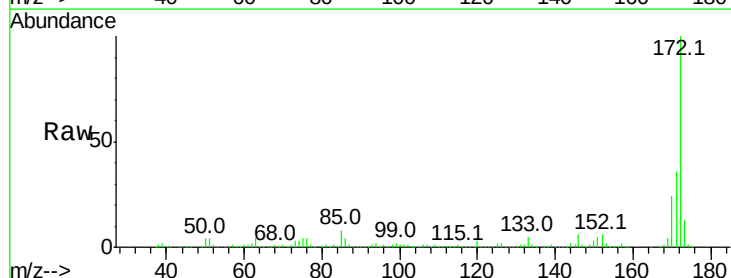
Tgt Ion:172 Resp: 1784775

Ion Ratio Lower Upper

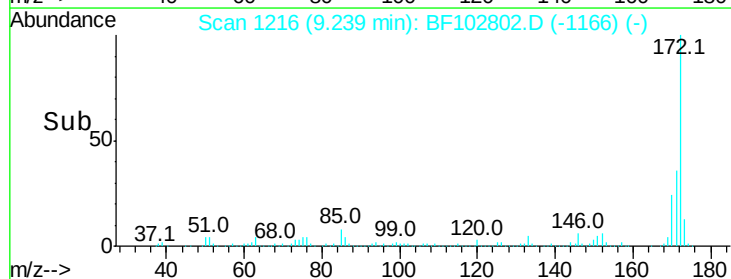
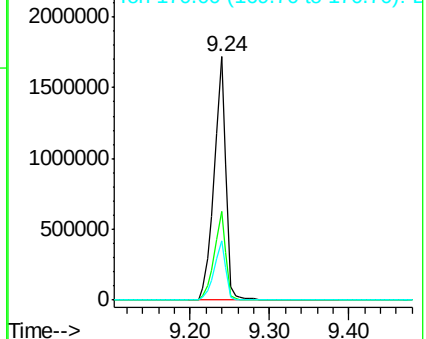
172 100

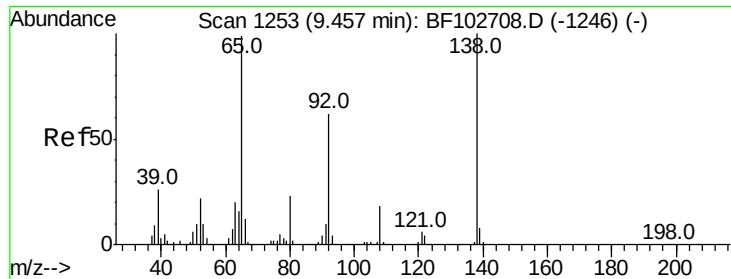
171 36.4 29.7 44.5

170 24.4 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: 3.971 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.22 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

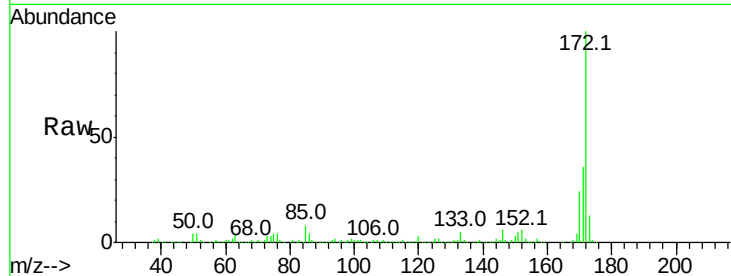
Tot Ion: 65 Resp: 3194

Ion Ratio Lower Upper

65 100

92 193.6 55.8 83.6#

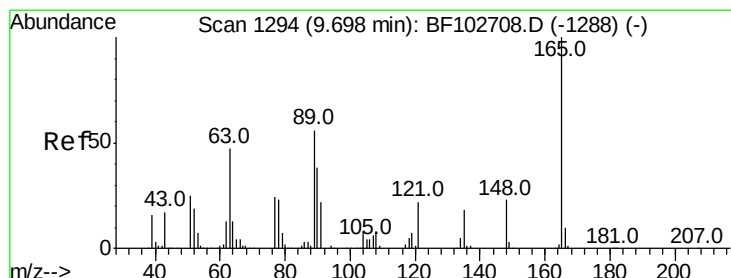
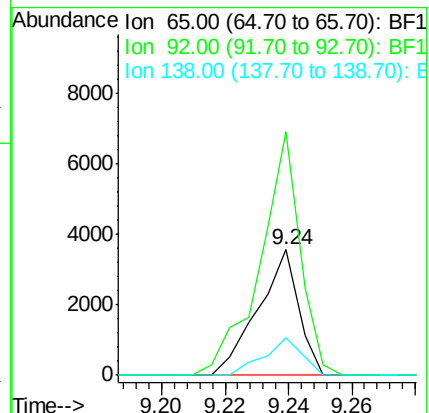
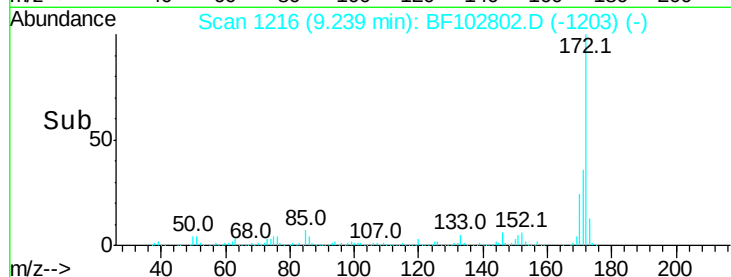
138 29.7 91.2 136.8#



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: 8.646 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

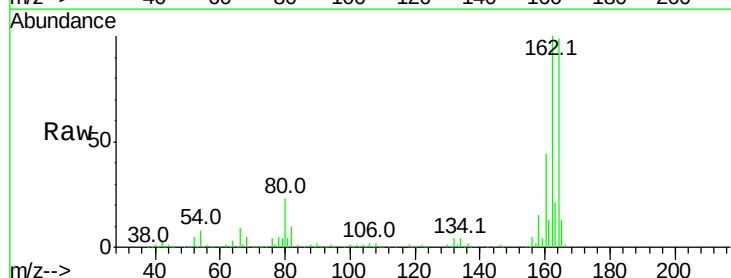
Tgt Ion: 165 Resp: 37261

Ion Ratio Lower Upper

165 100

63 2.0 44.7 67.1#

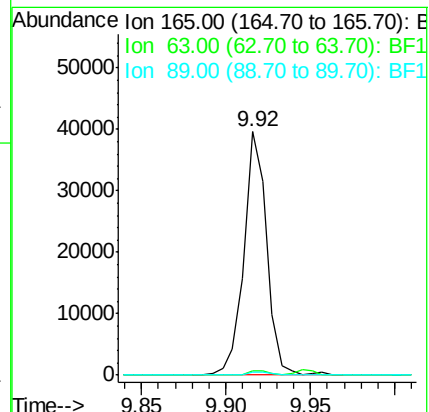
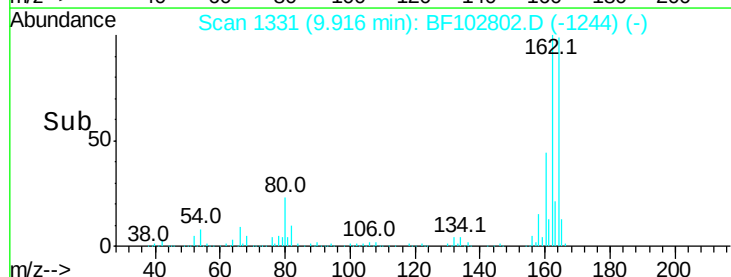
89 1.3 44.0 66.0#

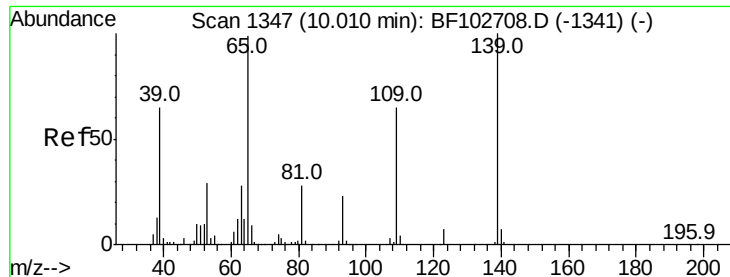


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 4.572 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.10 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

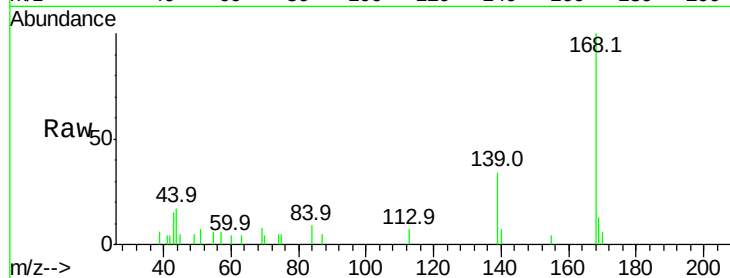
Tot Ion:139 Resp: 2514

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

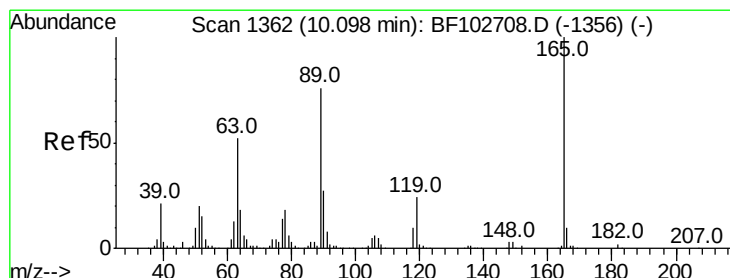
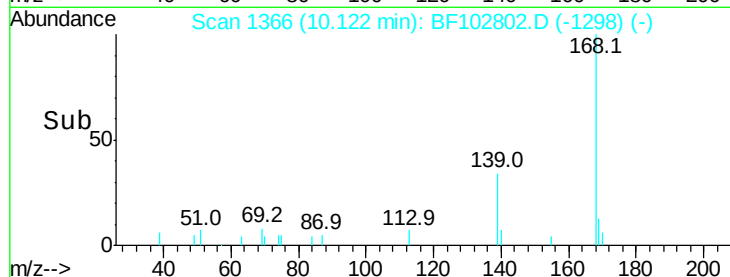
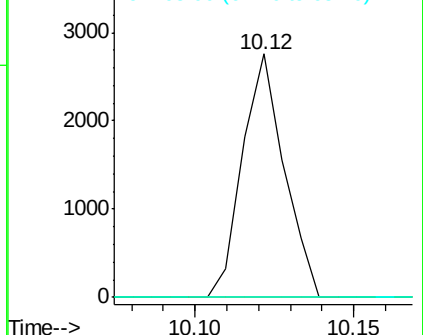
65 0.0 72.6 112.6#



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: 9.109 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF102802.D

Acq: 7 Feb 2018 00:18

Tgt Ion:165 Resp: 37261

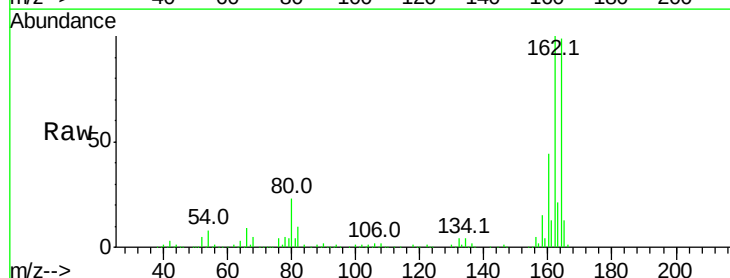
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

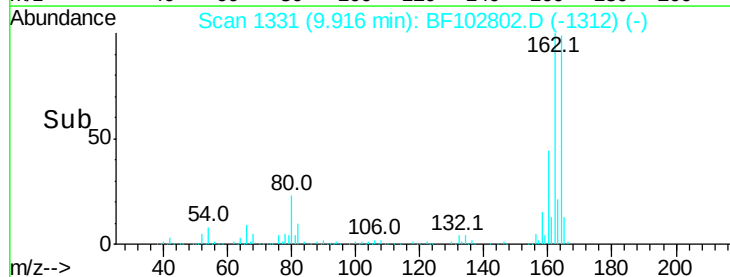
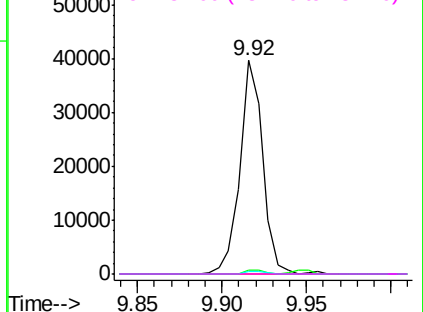


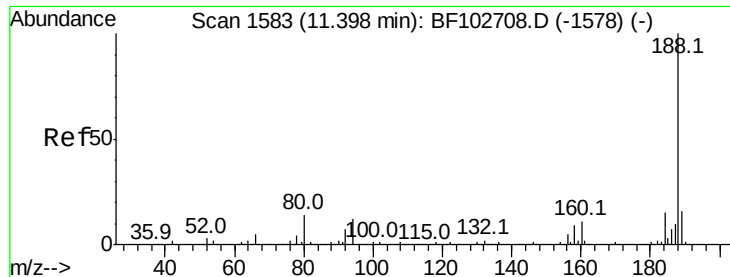
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

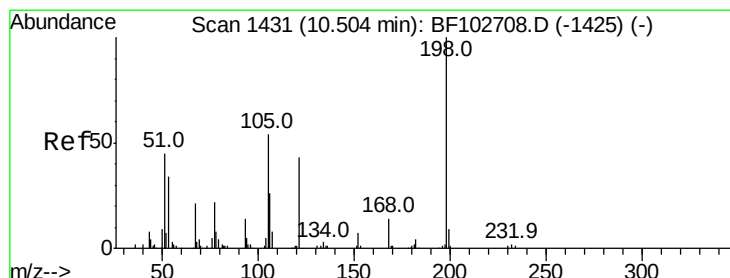
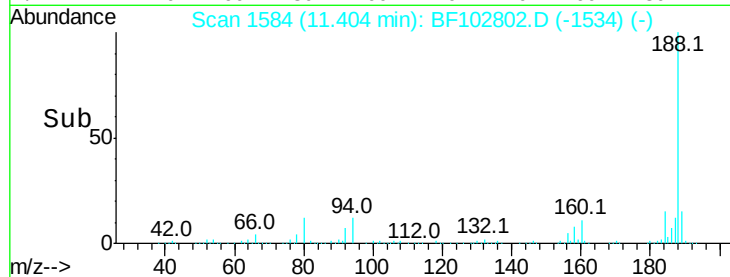
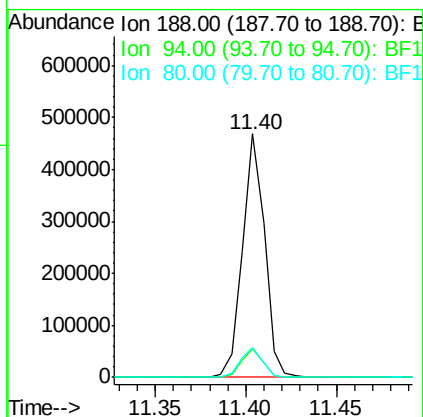
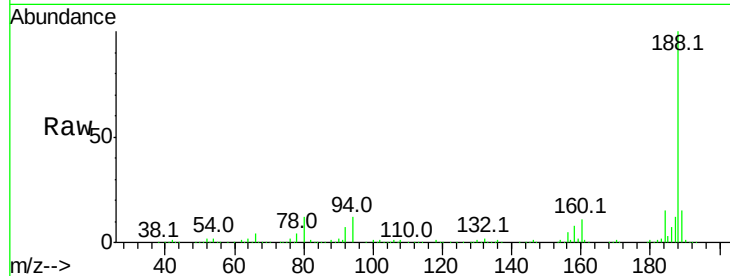
Ion 182.00 (181.70 to 182.70): E





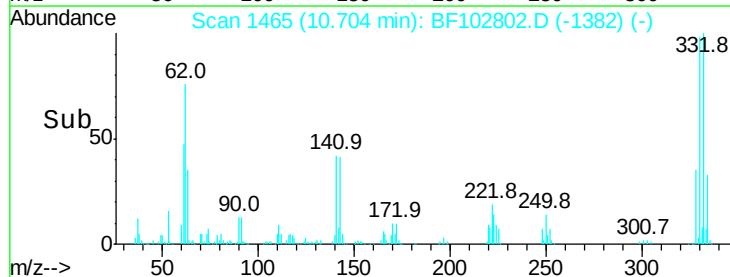
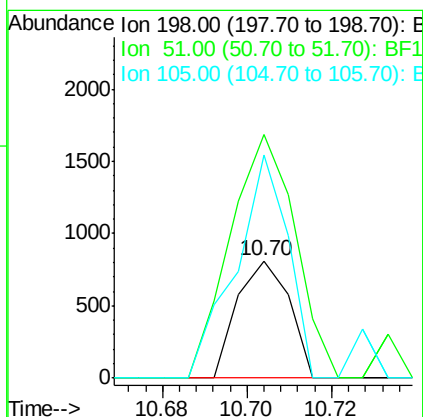
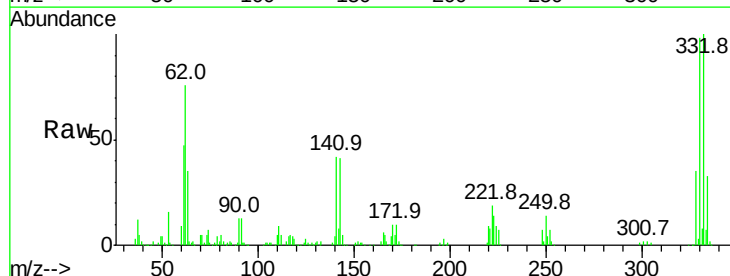
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102802.D
 Acq: 7 Feb 2018 00:18

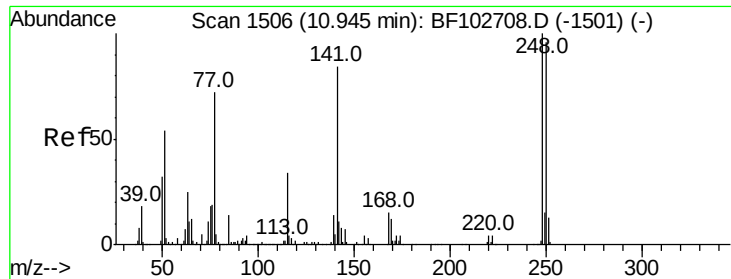
Tot Ion:	188	Resp:	397437
Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.3	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.180 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF102802.D
 Acq: 7 Feb 2018 00:18

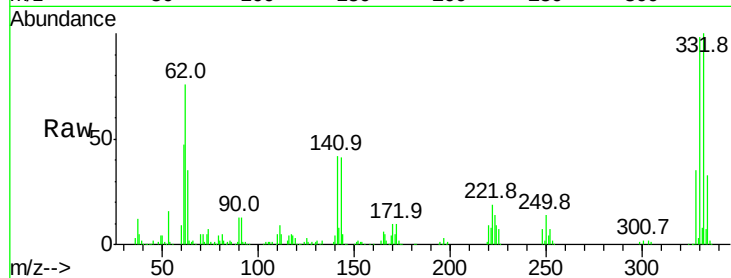
Tgt Ion:	198	Resp:	694
Ion	Ratio	Lower	Upper
198	100		
51	207.4	37.7	77.7#
105	190.4	36.3	76.3#



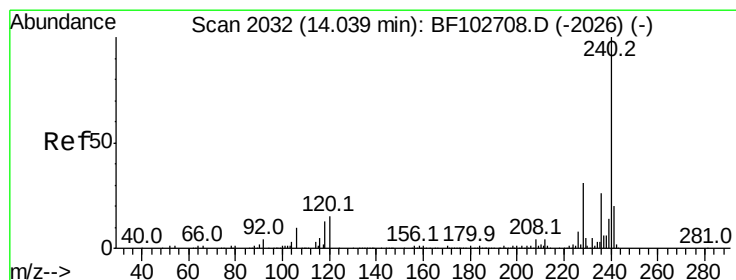
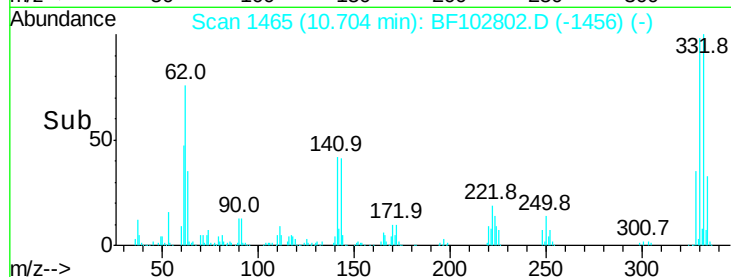
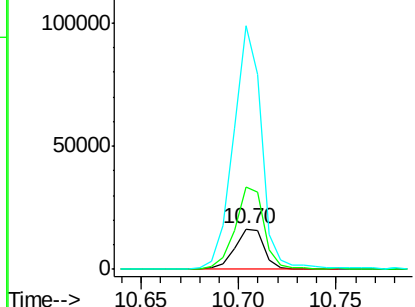


#66
4-Bromophenyl-phenylether
Concen: 4.152 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF102802.D
Acq: 7 Feb 2018 00:18

Tot Ion:248 Resp: 17457
Ion Ratio Lower Upper
248 100
250 203.7 76.9 115.3#
141 603.3 74.4 111.6#

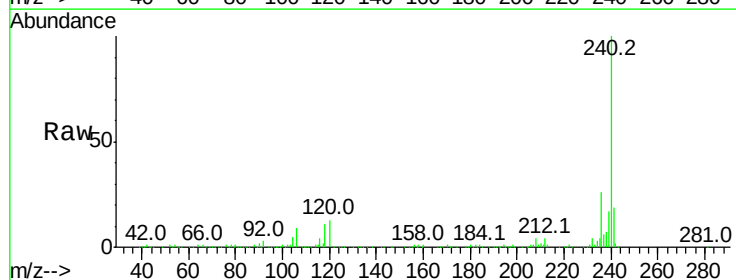


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

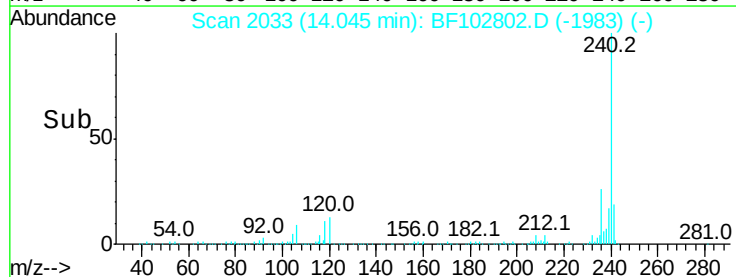
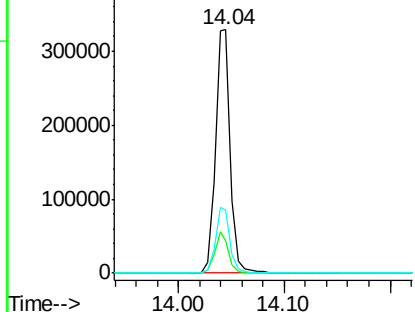


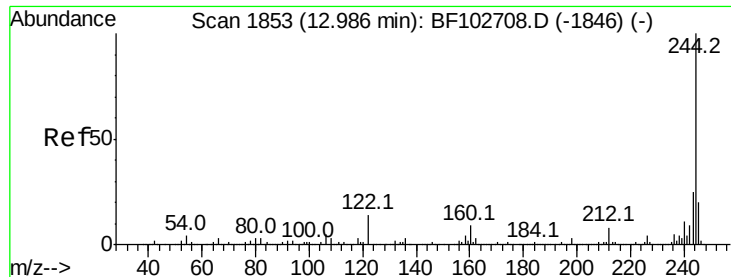
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102802.D
Acq: 7 Feb 2018 00:18

Tgt Ion:240 Resp: 327257
Ion Ratio Lower Upper
240 100
120 13.2 9.5 14.3
236 26.0 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

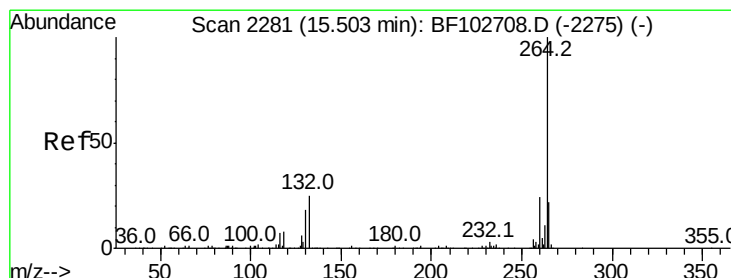
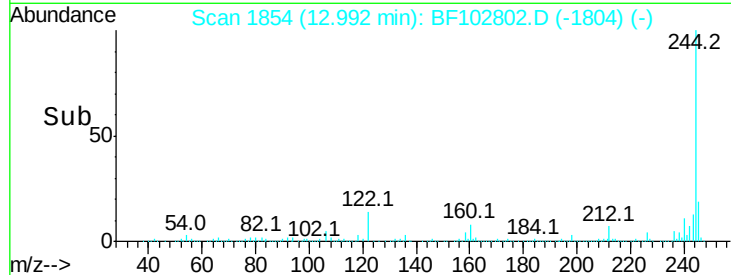
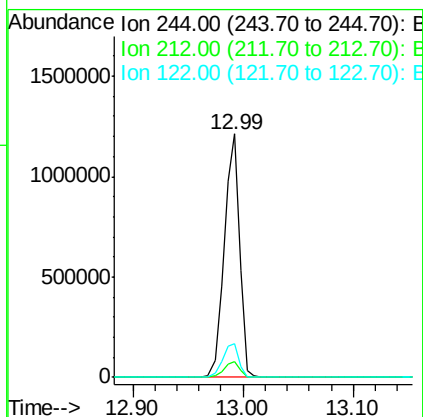
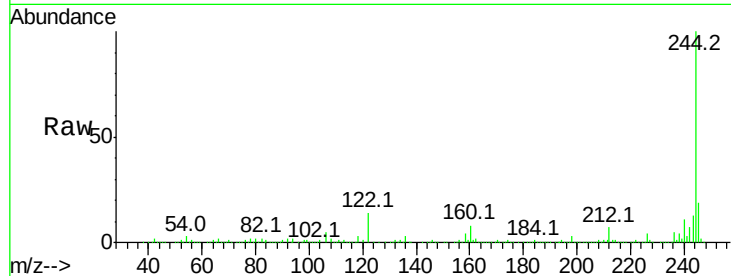




#78
 Terphenyl-d14
 Concen: 85.295 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102802.D
 Acq: 7 Feb 2018 00:18

Tot Ion:244 Resp: 1178892

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.8	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: BF102802.D
 Acq: 7 Feb 2018 00:18

Tgt Ion:264 Resp: 296317

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.5	26.3

