

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102800.D
 Acq On : 6 Feb 2018 23:25
 Operator : SJ/JU
 Sample : J1459-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 07 01:29:31 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	189715	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	748810	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	300481	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	411780	20.00	ng	0.00
75) Chrysene-d12	14.04	240	330716	20.00	ng	0.00
86) Perylene-d12	15.52	264	291401	20.00	ng	0.00

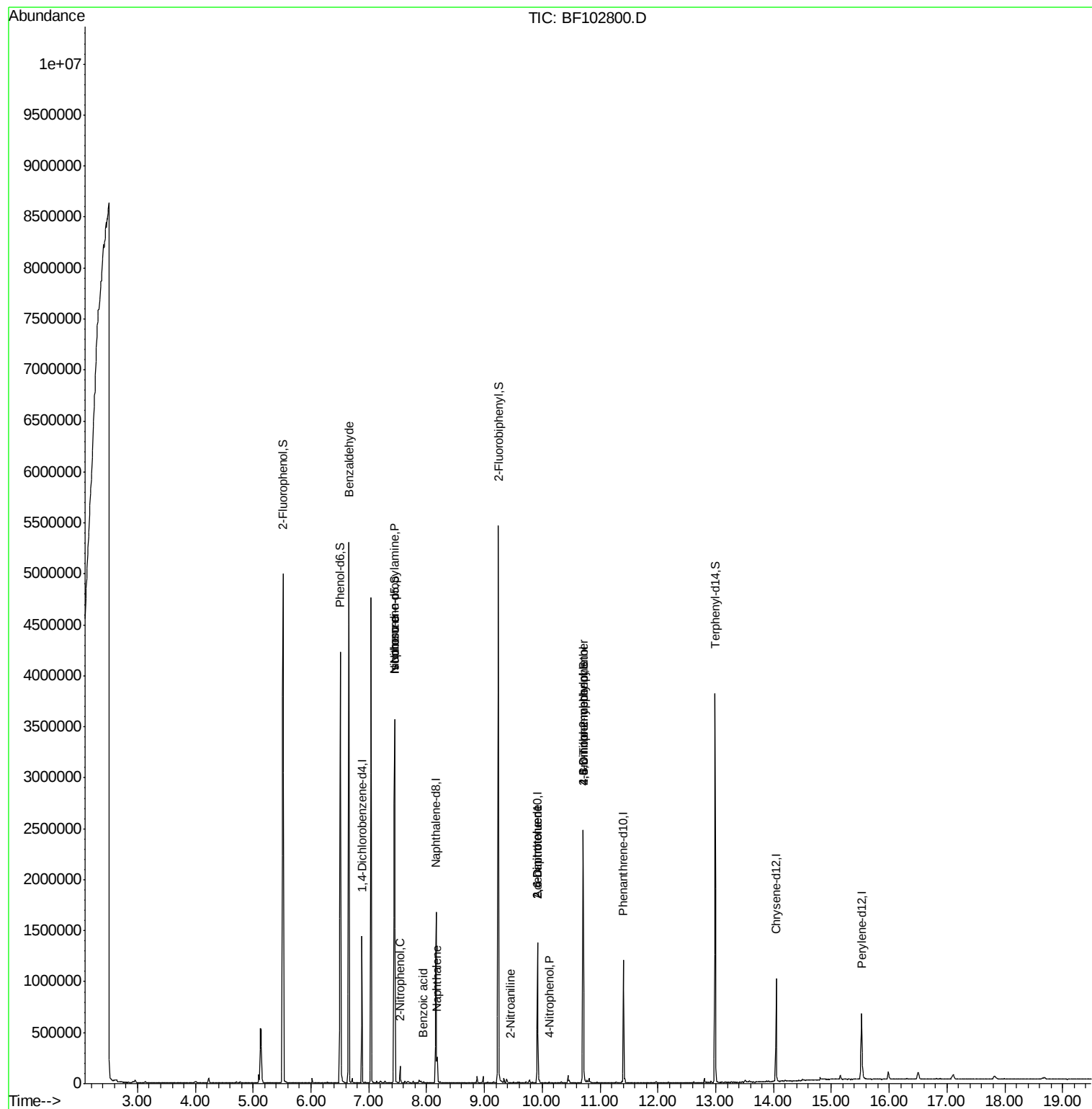
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1507168	120.65	ng	0.02
7) Phenol-d6	6.51	99	1575140	104.72	ng	0.00
23) Nitrobenzene-d5	7.45	82	1178912	109.22	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	299425	123.81	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1955492	107.99	ng	0.00
78) Terphenyl-d14	12.99	244	1264421	90.53	ng	0.00

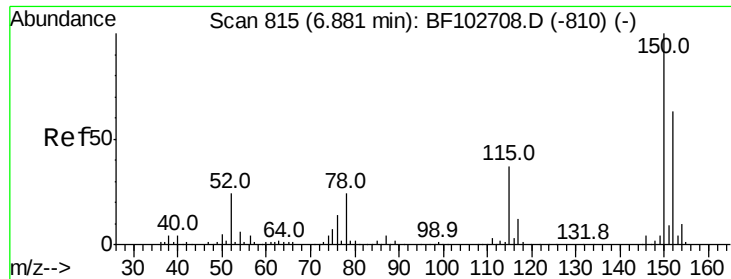
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	32530	2.912	ng	83
19) n-Nitroso-di-n-propylamine	7.45	70	158928	16.025	ng	# 81
25) Isophorone	7.45	82	1178896	47.430	ng	# 64
26) 2-Nitrophenol	7.54	139	1293	8.869	ng	# 57
31) Naphthalene	8.19	128	114421	3.128	ng	97
32) Benzoic acid	7.94	122	121	8.559	ng	# 56
47) 2-Nitroaniline	9.45	65	262	3.512	ng	# 2
50) 2,6-Dinitrotoluene	9.92	165	38481	8.633	ng	# 25
55) 4-Nitrophenol	10.12	139	1545	4.349	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	38481	9.100	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	547	9.088	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	19052	4.374	ng	# 1

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

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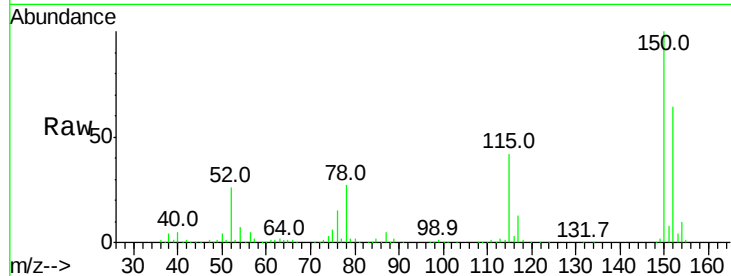




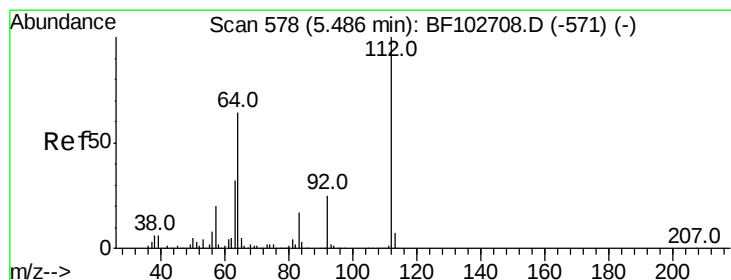
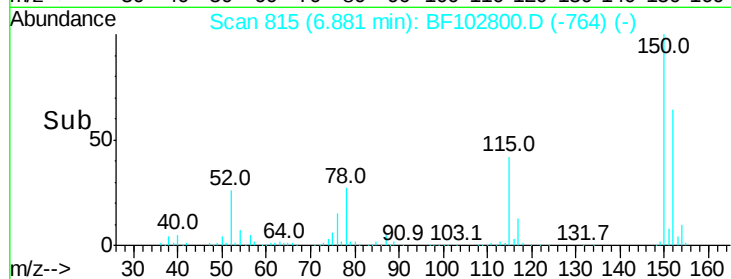
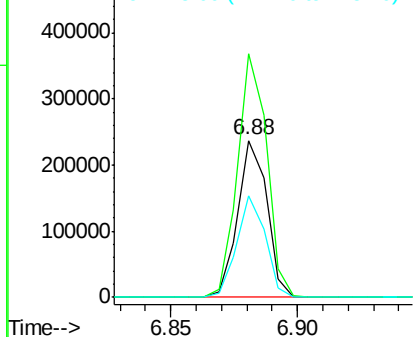
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102800.D
Acq: 6 Feb 2018 23:25

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	65.0	50.1	75.1



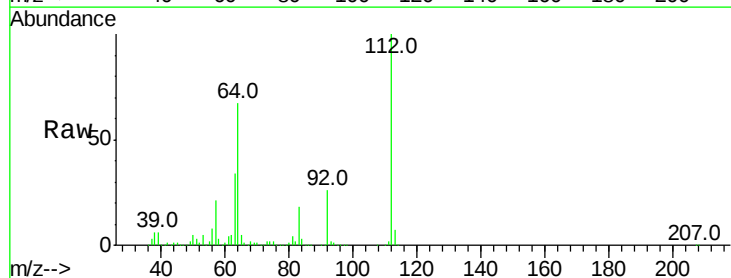
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



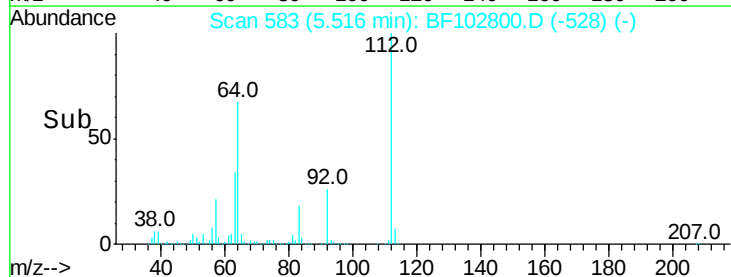
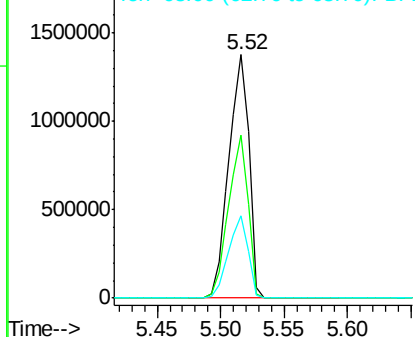
#5

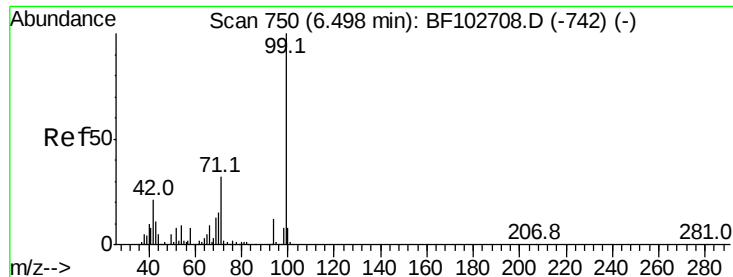
2-Fluorophenol
Concen: 120.649 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF102800.D
Acq: 6 Feb 2018 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	33.6	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: 104.720 ng

RT: 6.51 min Scan# 752

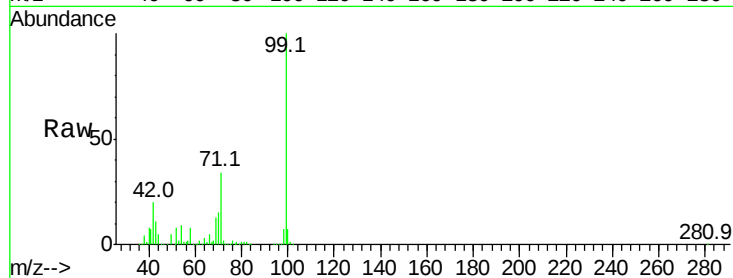
Delta R.T. 0.01 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

Tot Ion: 99 Resp: 1575140

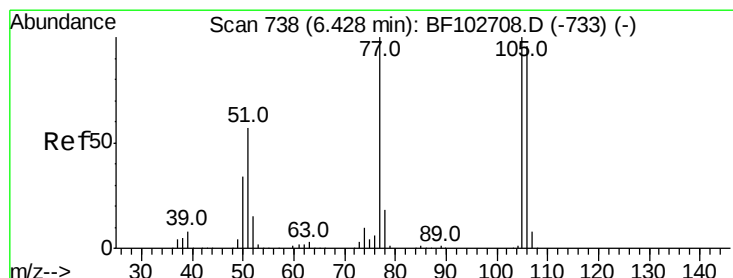
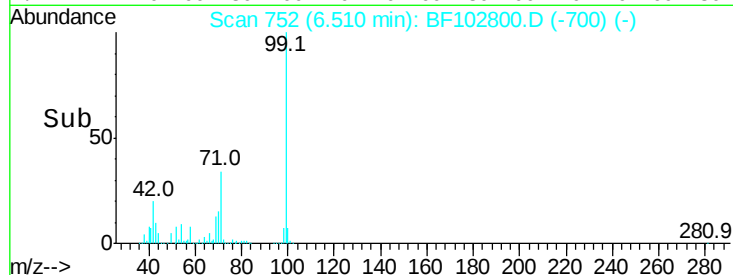
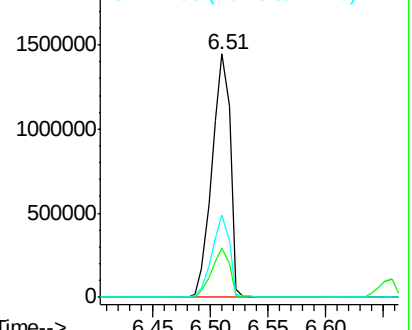
Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	33.8	25.4	38.0



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: 2.912 ng

RT: 6.66 min Scan# 777

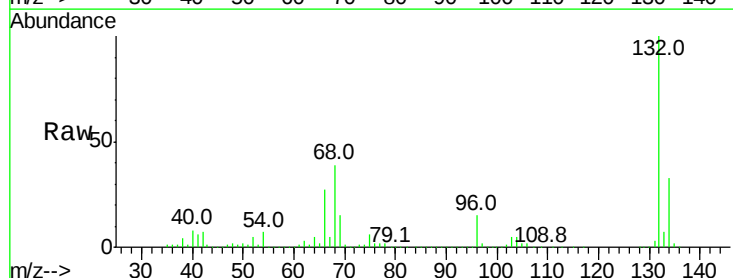
Delta R.T. 0.22 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

Tgt Ion: 77 Resp: 32530

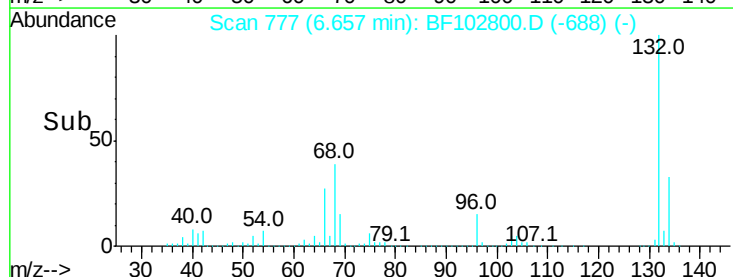
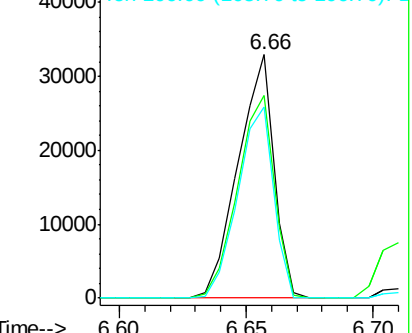
Ion	Ratio	Lower	Upper
77	100		
105	83.1	81.1	121.1
106	78.4	74.5	114.5

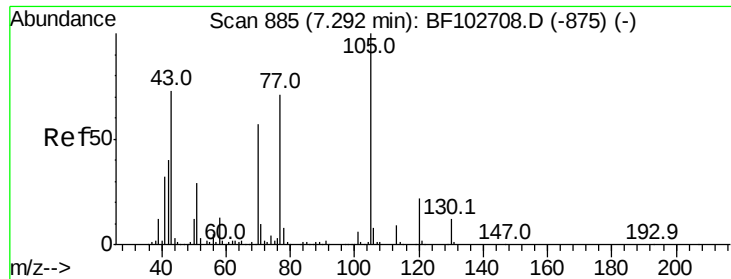


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

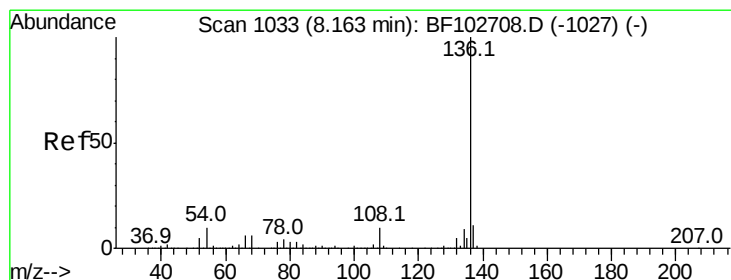
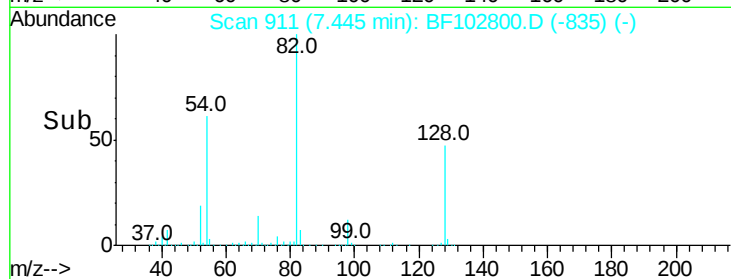
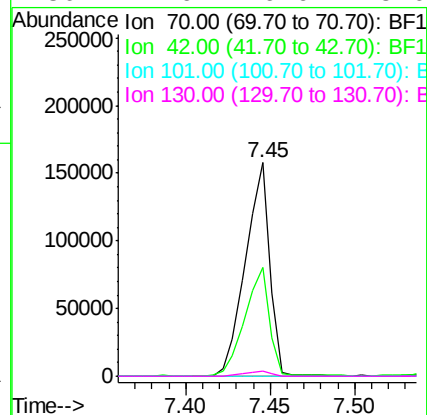
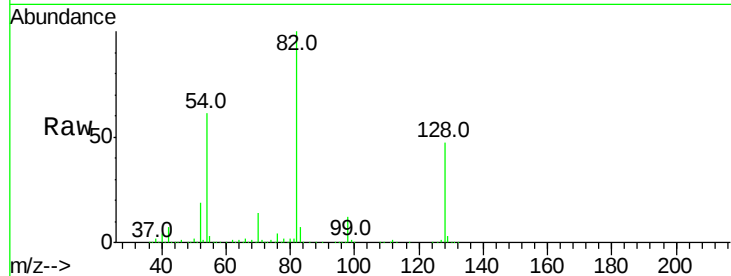
Ion 106.00 (105.70 to 106.70): BF1





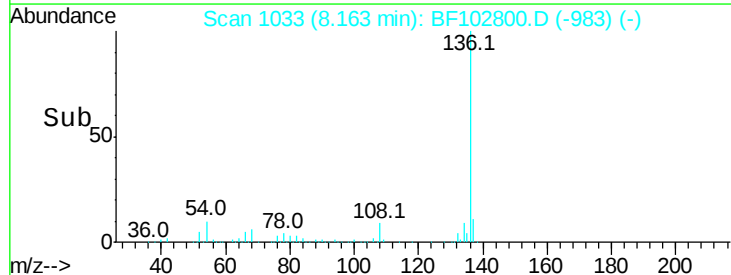
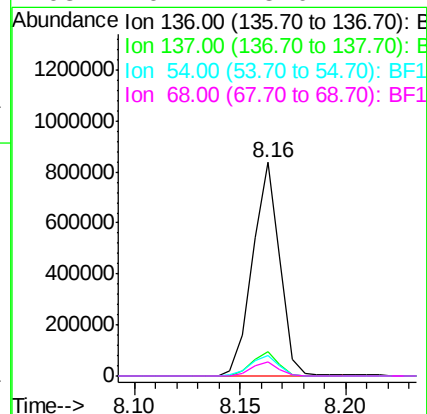
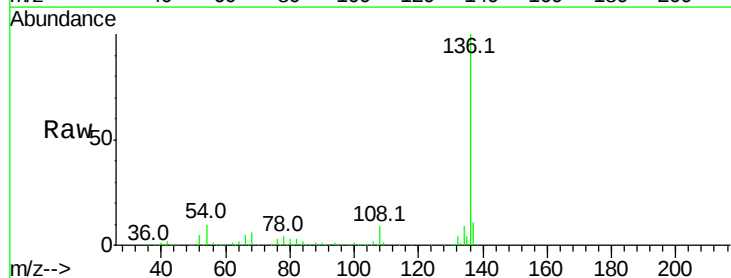
#19
n-Nitroso-di-n-propylamine
Concen: 16.025 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102800.D
Acq: 6 Feb 2018 23:25

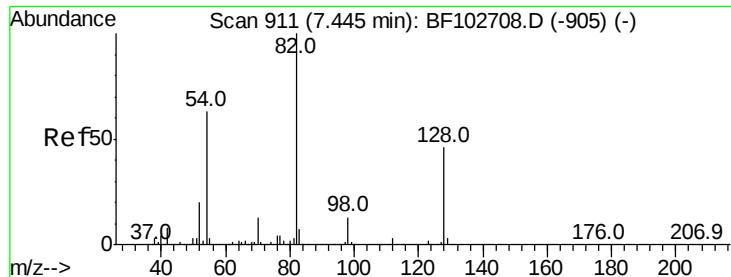
Tot Ion: 70 Resp: 158928
Ion Ratio Lower Upper
70 100
42 51.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102800.D
Acq: 6 Feb 2018 23:25

Tgt Ion:136 Resp: 748810
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.7 6.6 9.8
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 109.216 ng

RT: 7.45 min Scan# 911

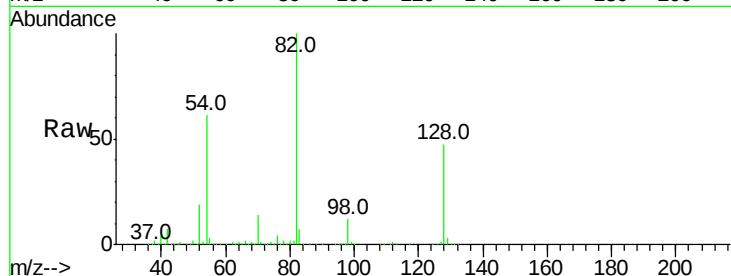
Delta R.T. -0.01 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

Tot Ion: 82 Resp: 1178912

Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	61.5	41.4	62.2

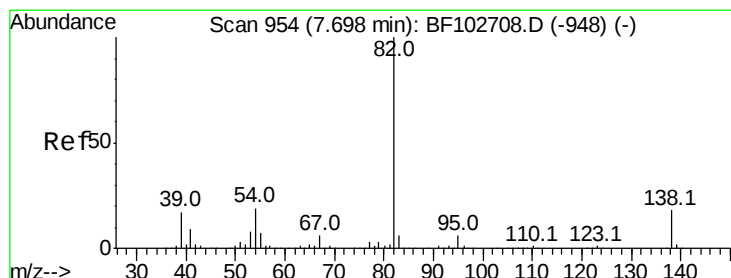
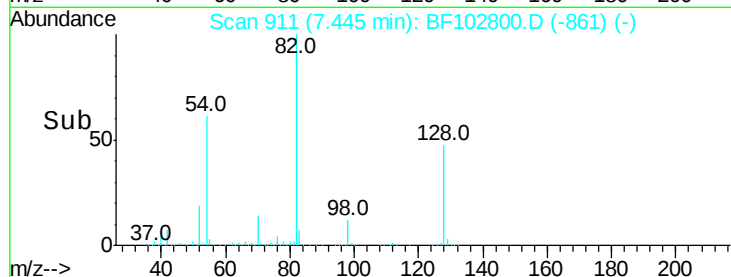
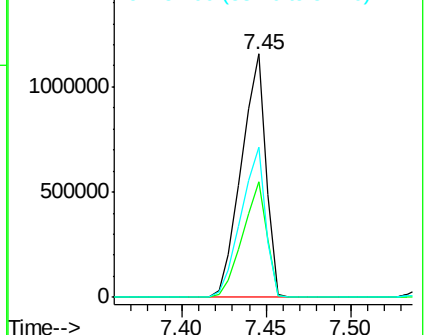


Abundance

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: 47.430 ng

RT: 7.45 min Scan# 911

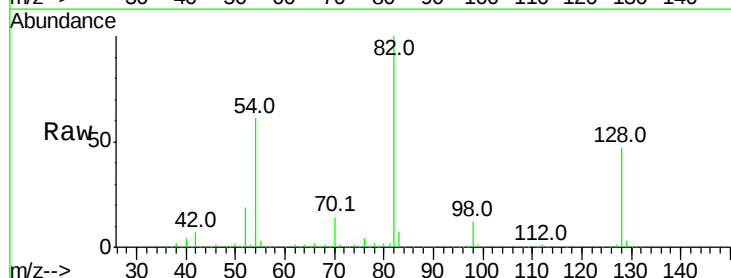
Delta R.T. -0.26 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

Tgt Ion: 82 Resp: 1178896

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

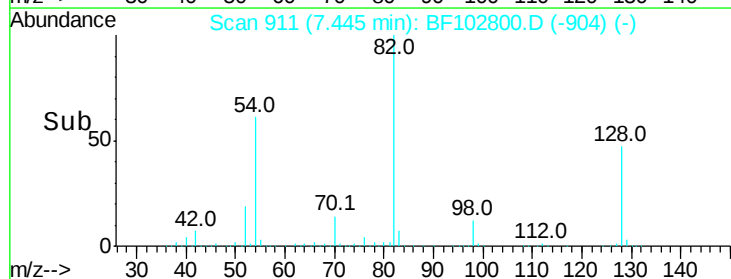
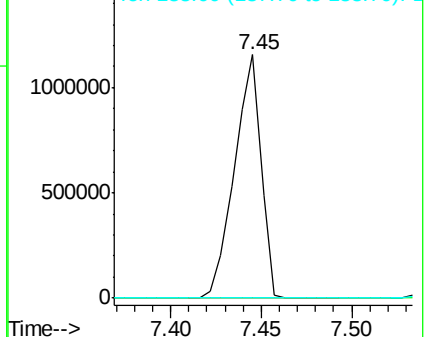


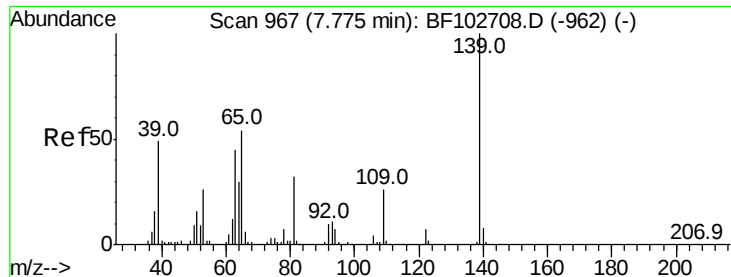
Abundance

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: 8.869 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.24 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

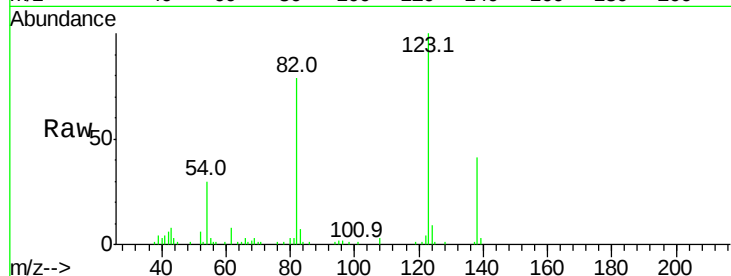
Tot Ion:139 Resp: 1293

Ion Ratio Lower Upper

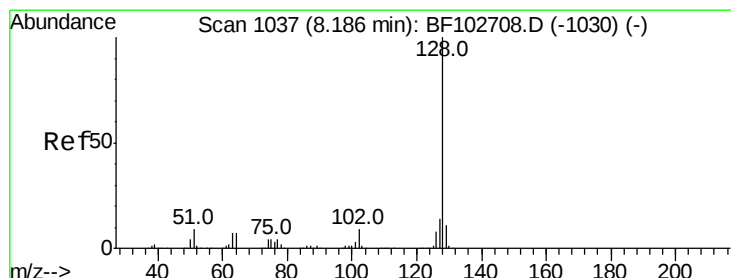
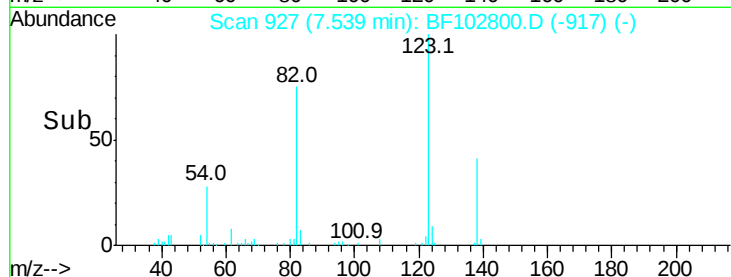
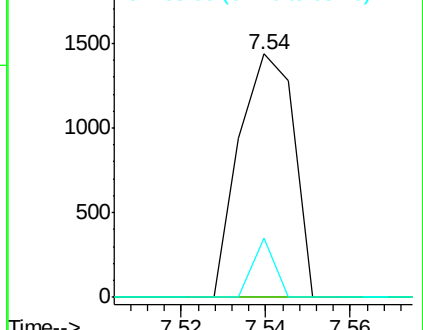
139 100

109 0.0 22.7 34.1#

65 24.4 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: 3.128 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

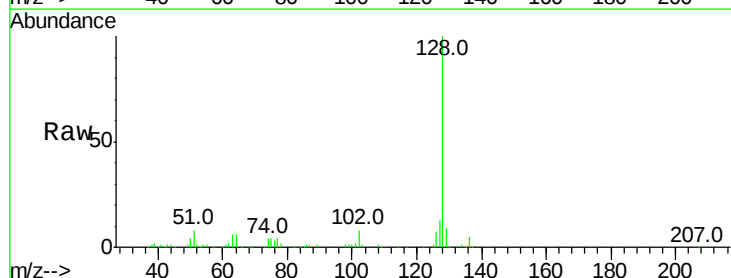
Tgt Ion:128 Resp: 114421

Ion Ratio Lower Upper

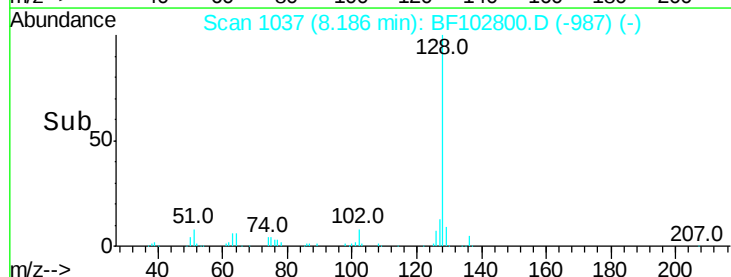
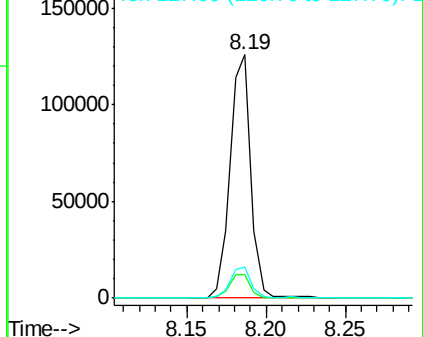
128 100

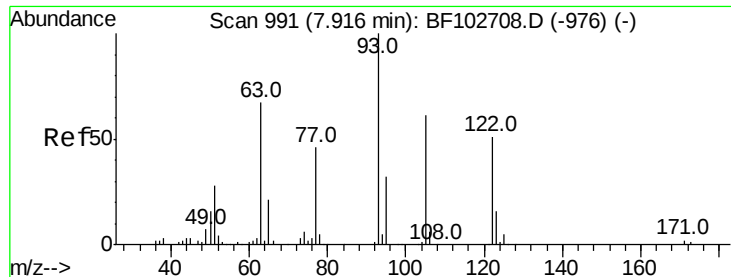
129 9.4 8.8 13.2

127 12.8 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: 8.559 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

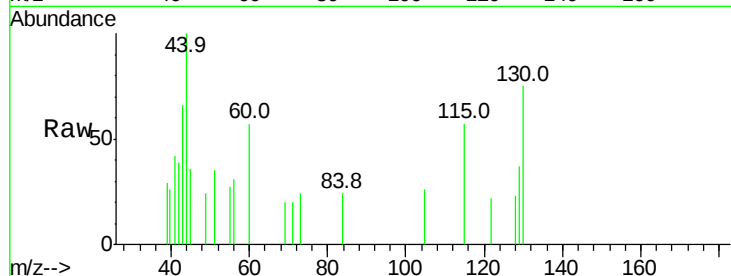
Tot Ion:122 Resp: 121

Ion Ratio Lower Upper

122 100

105 115.2 101.1 141.1

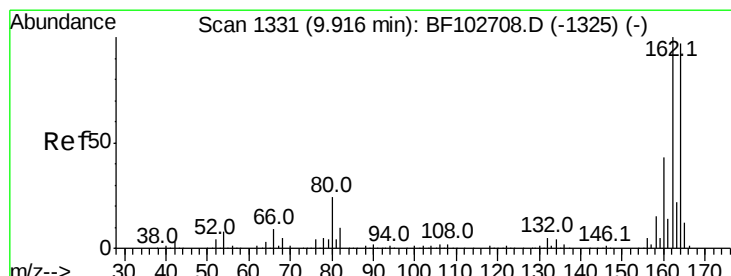
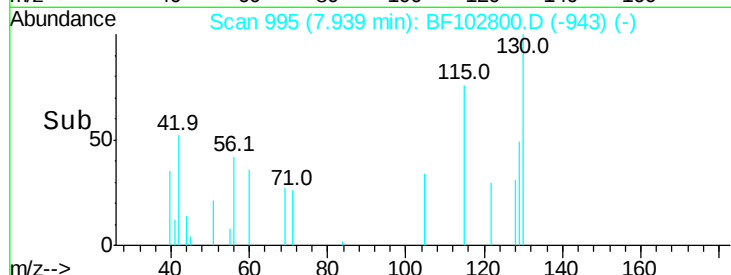
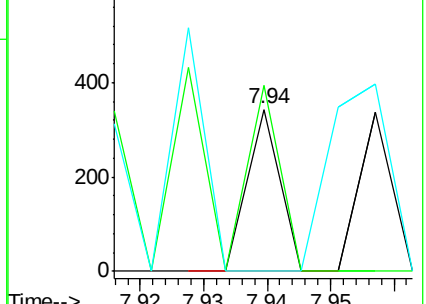
77 0.0 70.7 110.7#



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: BF102800.D

Acq: 6 Feb 2018 23:25

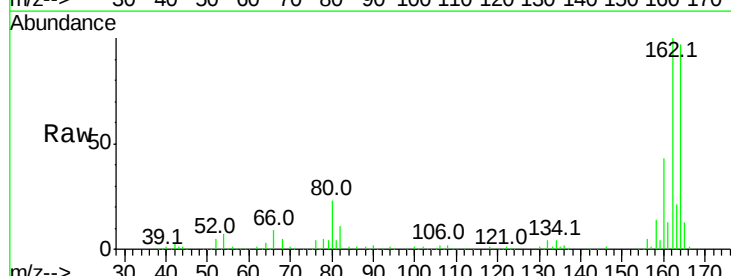
Tgt Ion:164 Resp: 300481

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

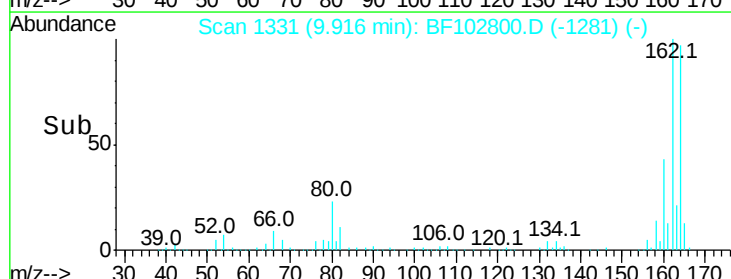
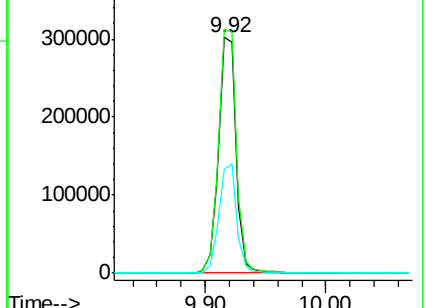
160 44.4 38.3 57.5

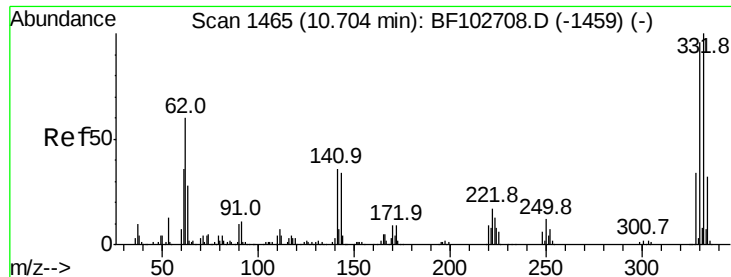


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

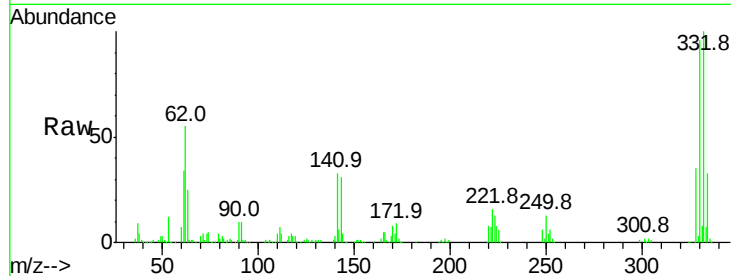
Ion 160.00 (159.70 to 160.70): E



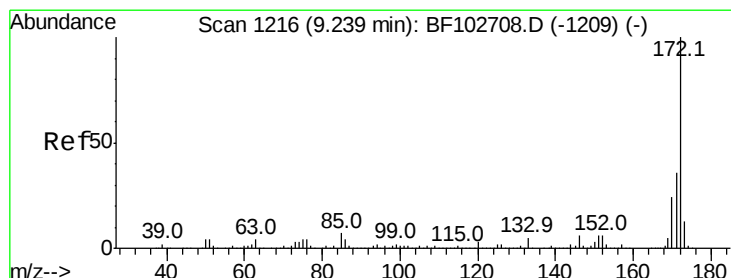
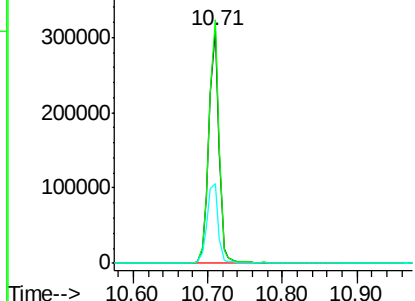
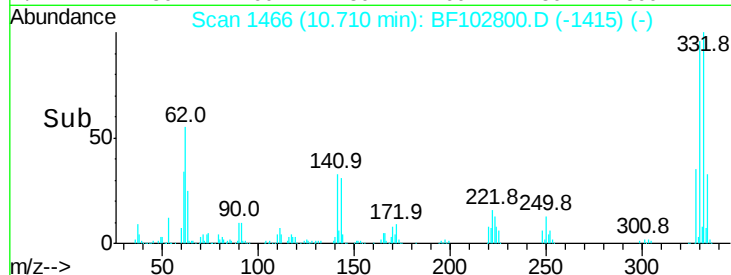


#41
 2,4,6-Tribromophenol
 Concen: 123.805 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102800.D
 Acq: 6 Feb 2018 23:25

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.8	77.0	115.6
141	37.0	29.9	44.9

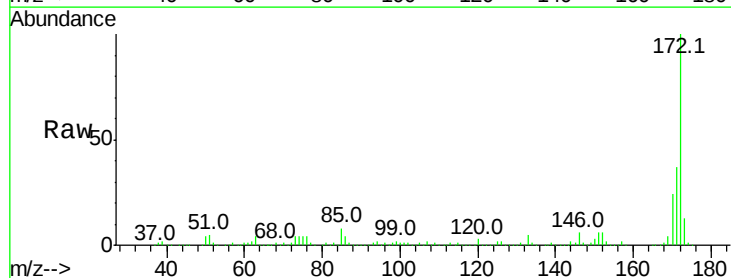


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

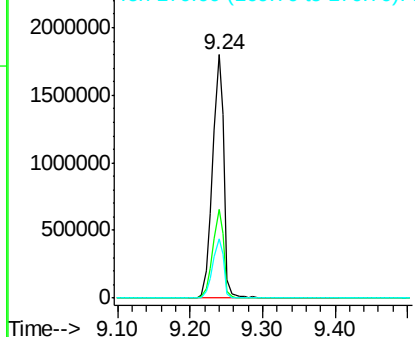
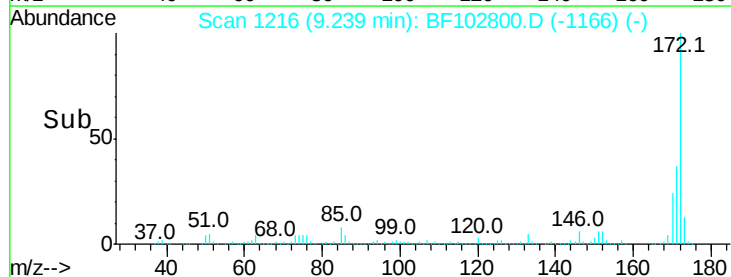


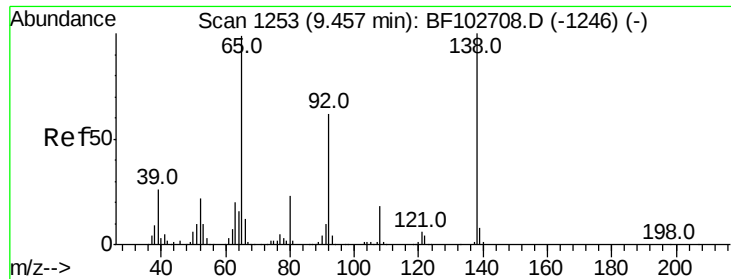
#44
 2-Fluorobiphenyl
 Concen: 107.989 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102800.D
 Acq: 6 Feb 2018 23:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.2	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: 3.512 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

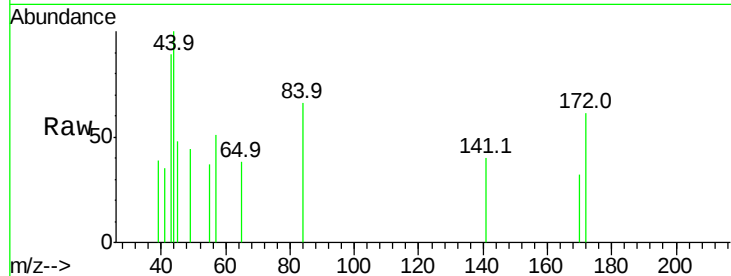
Tot Ion: 65 Resp: 262

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

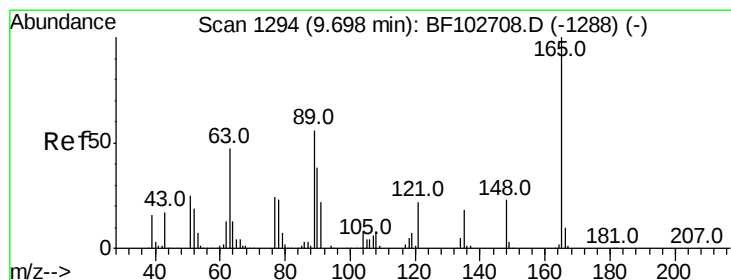
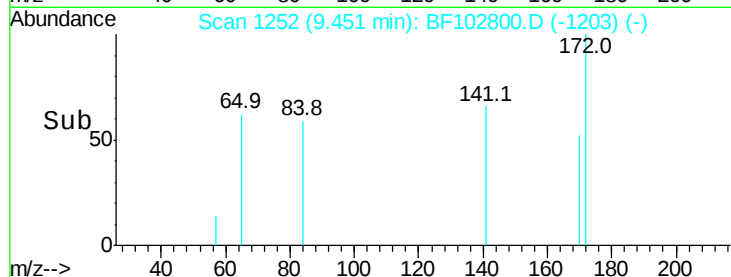
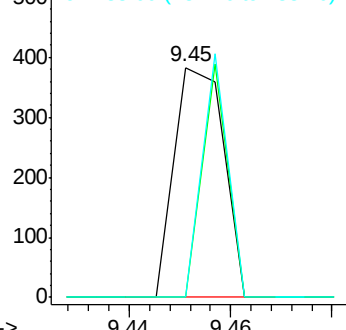
138 0.0 91.2 136.8#



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



#50

2,6-Dinitrotoluene

Concen: 8.633 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

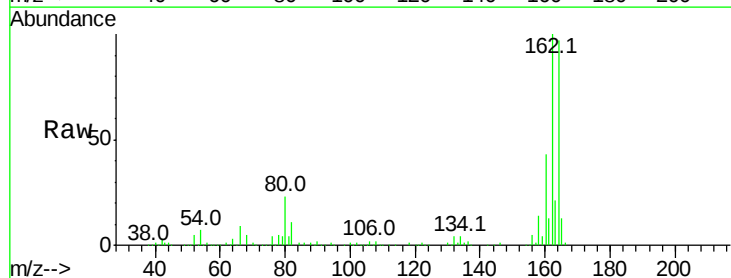
Tgt Ion: 165 Resp: 38481

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

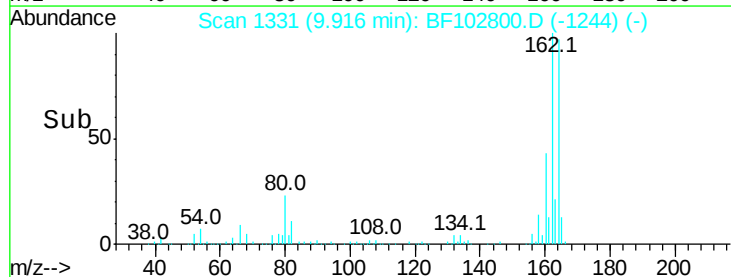
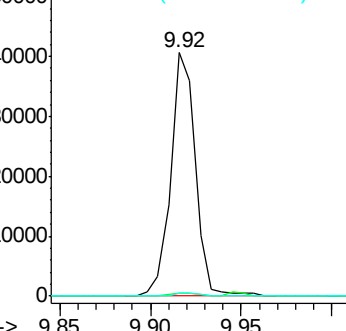
89 1.2 44.0 66.0#

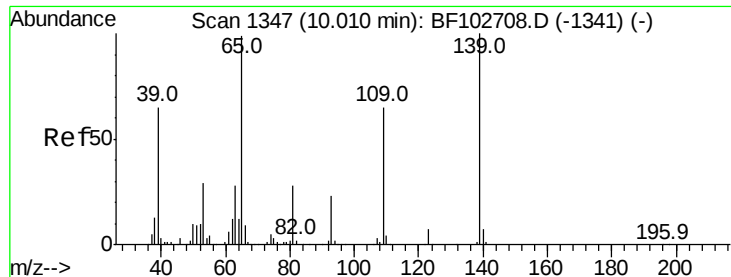


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 4.349 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.10 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

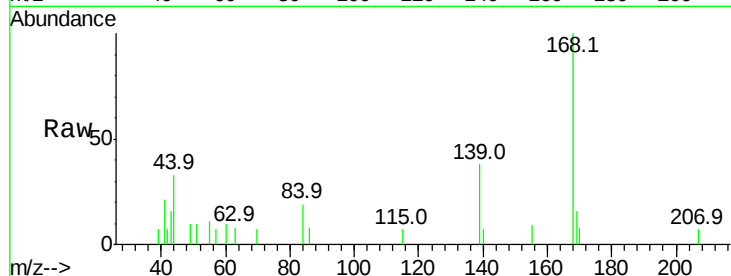
Tot Ion:139 Resp: 1545

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

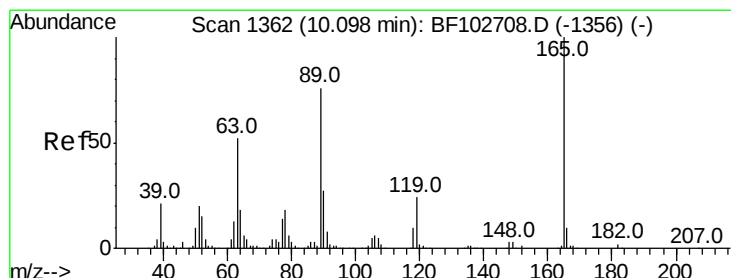
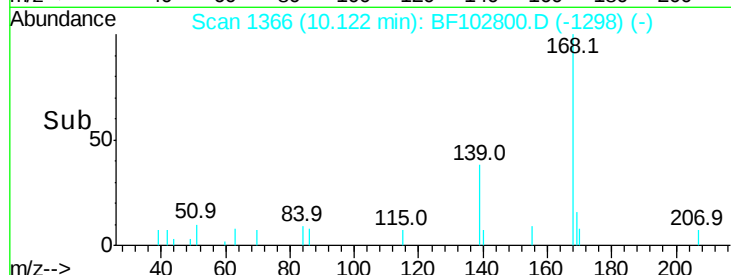
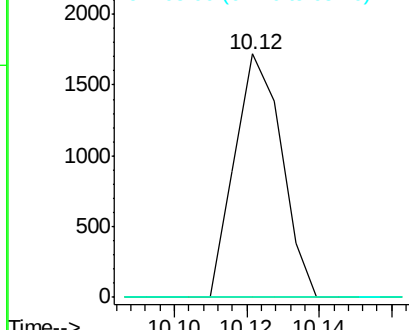
65 0.0 72.6 112.6#



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: 9.100 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF102800.D

Acq: 6 Feb 2018 23:25

Tgt Ion:165 Resp: 38481

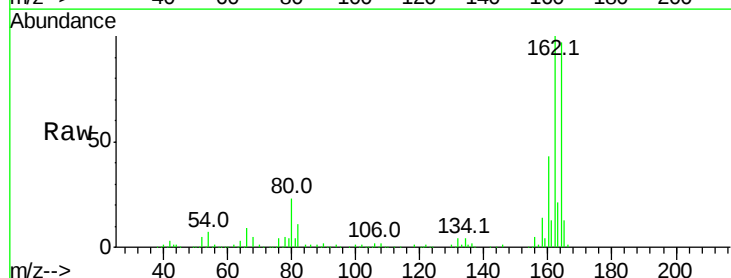
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

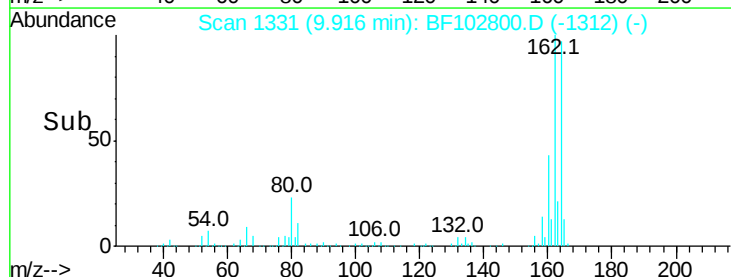
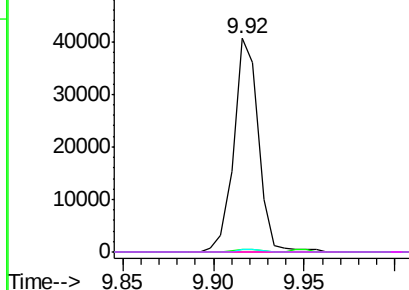


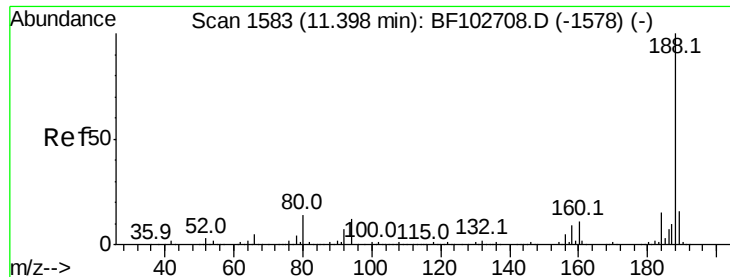
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

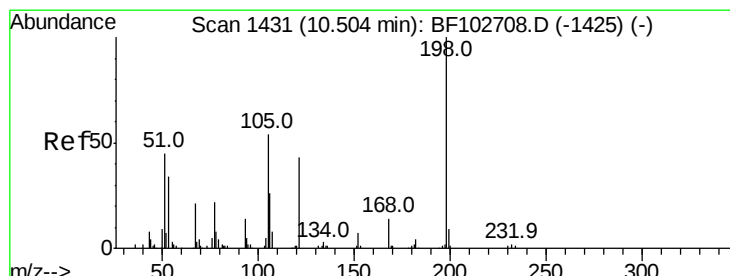
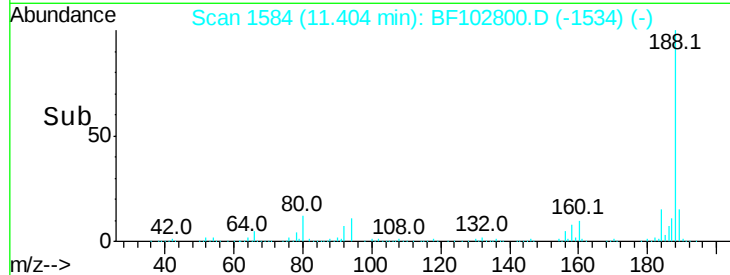
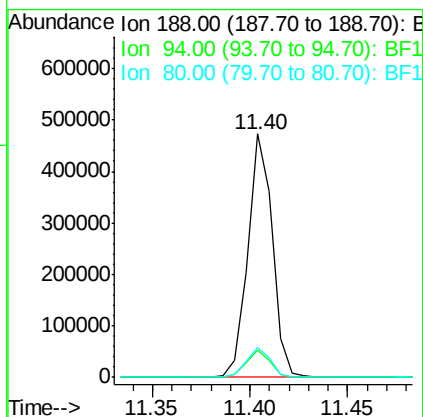
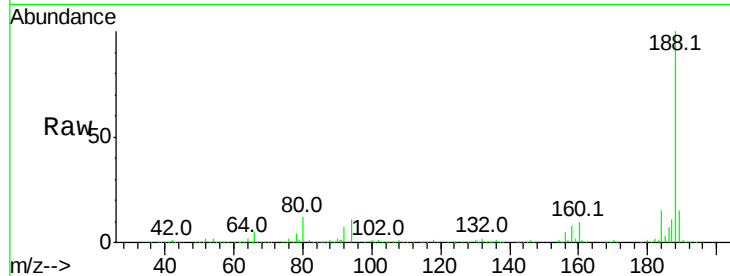
Ion 182.00 (181.70 to 182.70): E





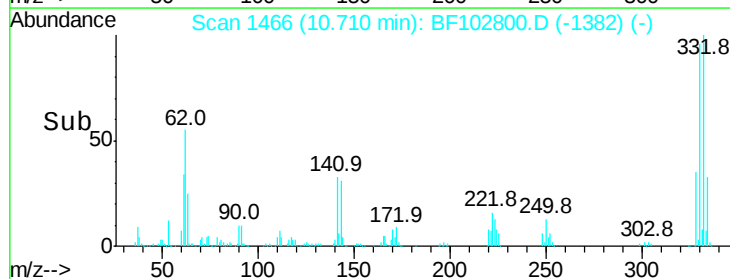
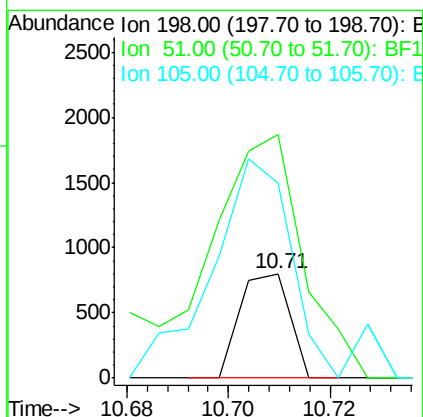
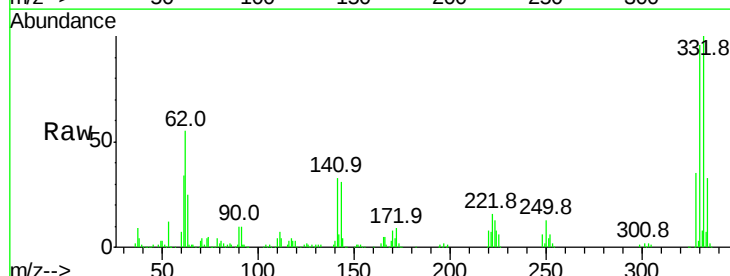
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102800.D
 Acq: 6 Feb 2018 23:25

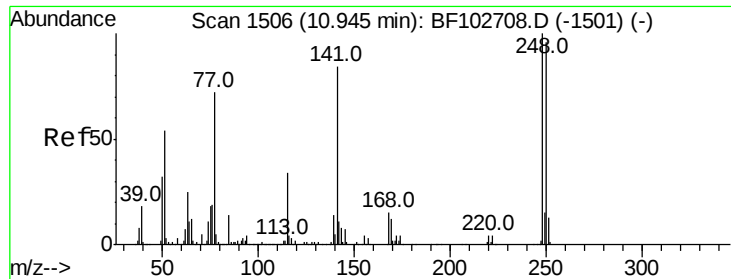
Tot Ion:188 Resp: 411780
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.088 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102800.D
 Acq: 6 Feb 2018 23:25

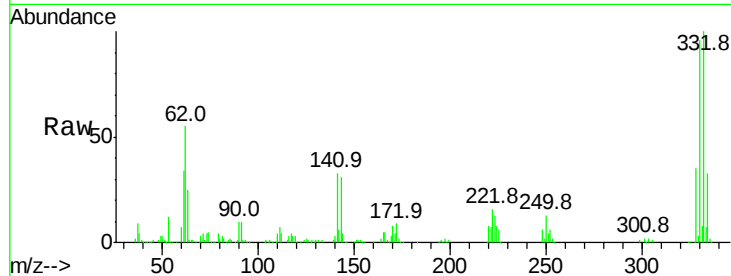
Tgt Ion:198 Resp: 547
 Ion Ratio Lower Upper
 198 100
 51 233.2 37.7 77.7#
 105 186.8 36.3 76.3#



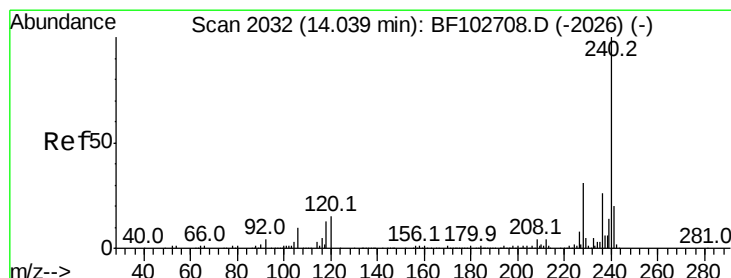
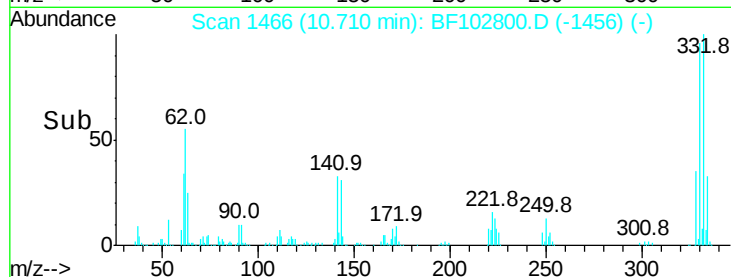
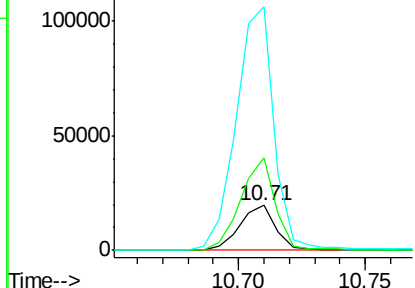


#66
4-Bromophenyl-phenylether
Concen: 4.374 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102800.D
Acq: 6 Feb 2018 23:25

Tot Ion:248 Resp: 19052
Ion Ratio Lower Upper
248 100
250 208.1 76.9 115.3#
141 544.3 74.4 111.6#

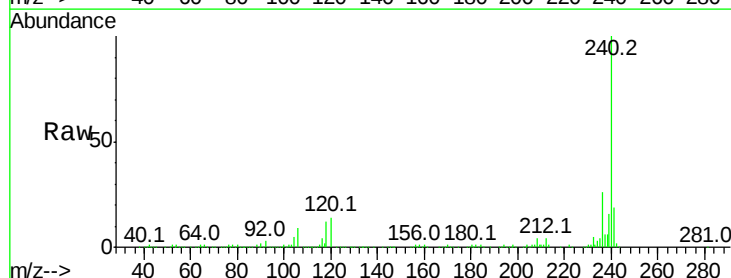


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

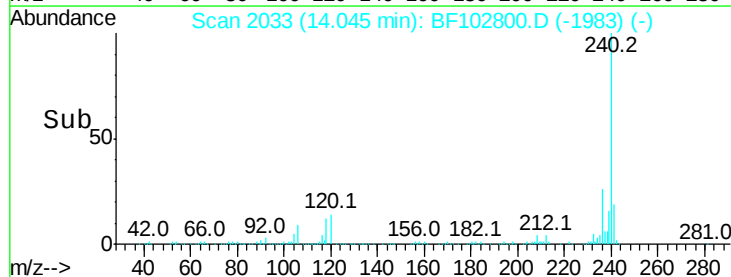
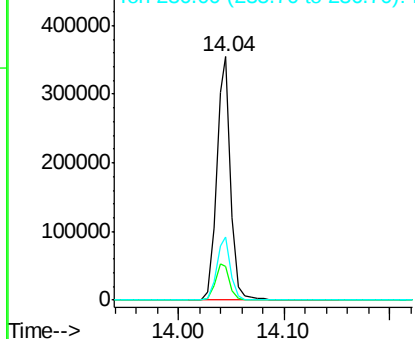


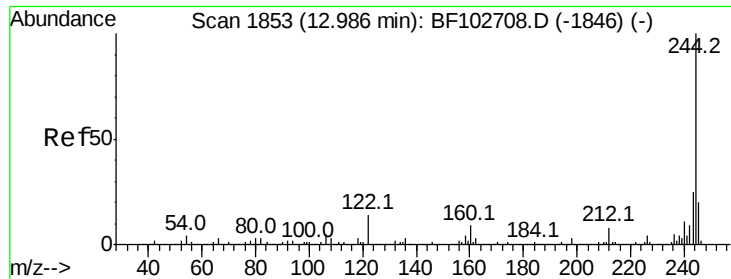
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102800.D
Acq: 6 Feb 2018 23:25

Tgt Ion:240 Resp: 330716
Ion Ratio Lower Upper
240 100
120 14.0 9.5 14.3
236 26.1 20.7 31.1



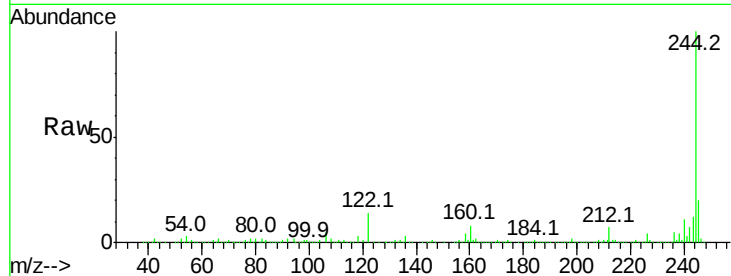
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



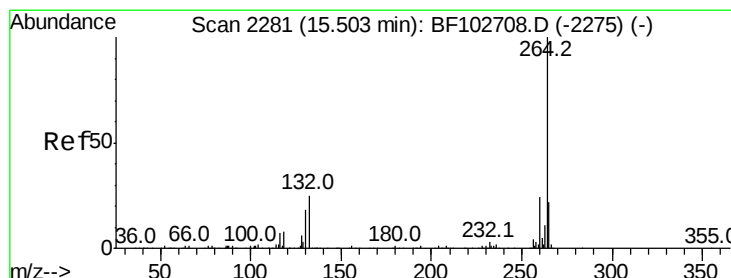
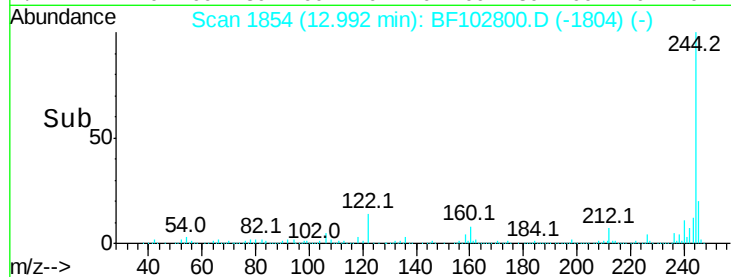
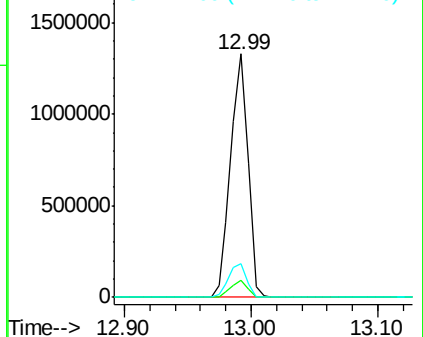


#78
 Terphenyl-d14
 Concen: 90.527 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102800.D
 Acq: 6 Feb 2018 23:25

Tot Ion:244 Resp: 1264421
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 14.1 11.0 16.4

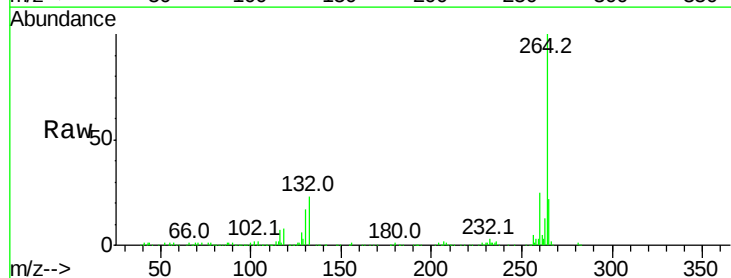


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF102800.D
 Acq: 6 Feb 2018 23:25

Tgt Ion:264 Resp: 291401
 Ion Ratio Lower Upper
 264 100
 260 24.9 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

