

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102797.D
 Acq On : 6 Feb 2018 21:11
 Operator : SJ/JU
 Sample : PB106326TB
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

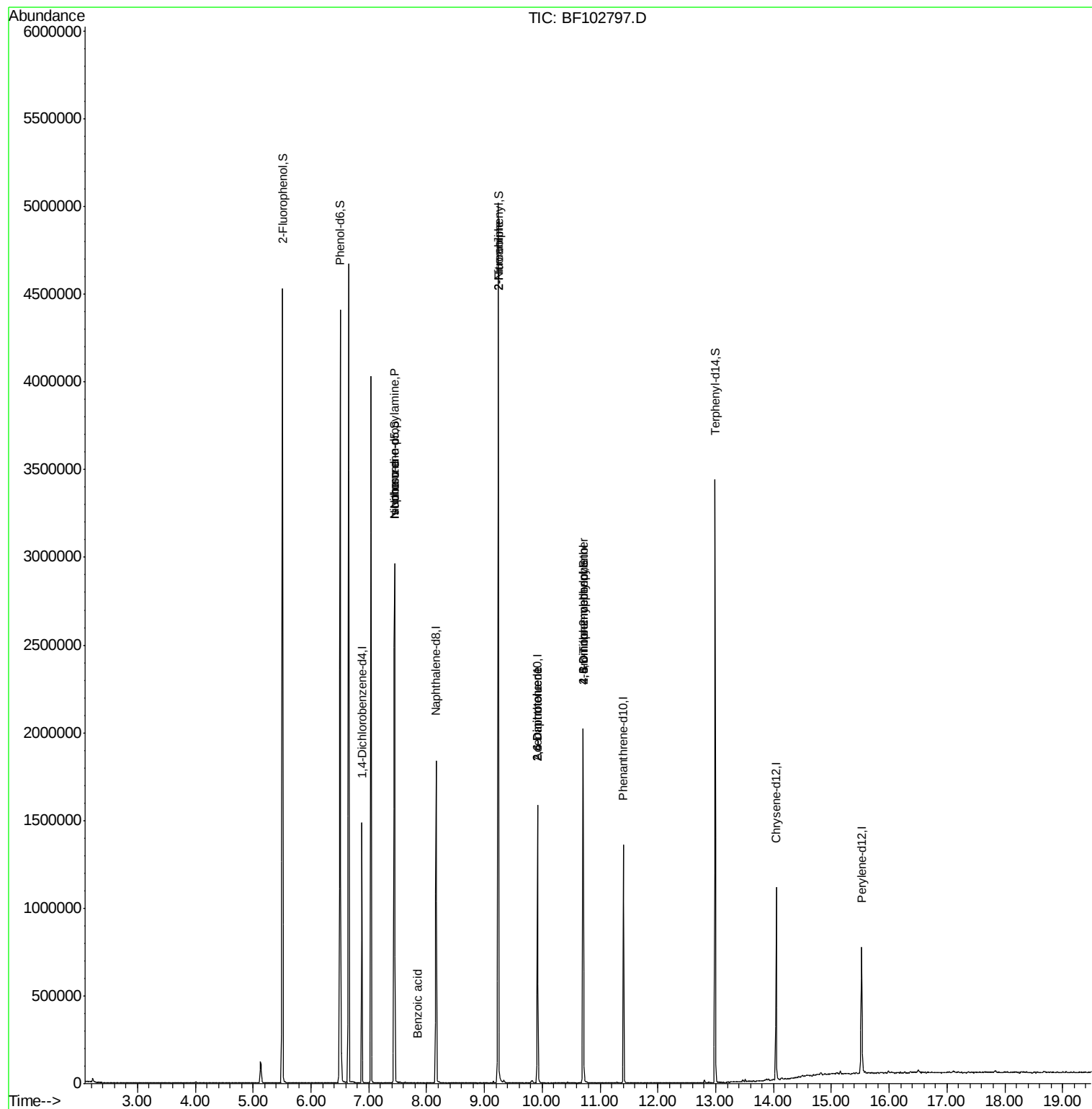
Quant Time: Feb 07 00:21:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

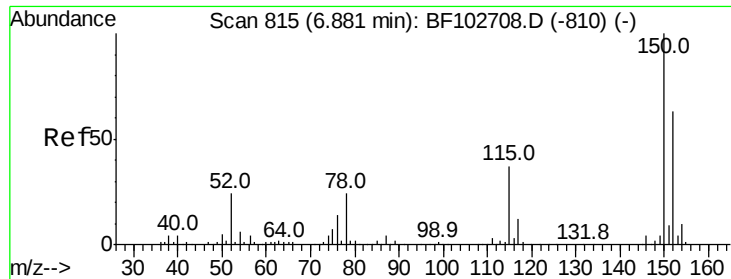
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	201552	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	812788	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	327631	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	459163	20.00	ng	0.00
75) Chrysene-d12	14.04	240	352247	20.00	ng	0.00
86) Perylene-d12	15.52	264	329196	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1392016	104.89	ng	0.02
7) Phenol-d6	6.51	99	1617545	101.22	ng	0.00
23) Nitrobenzene-d5	7.45	82	991013	84.58	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	254728	96.60	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1714716	86.85	ng	0.00
78) Terphenyl-d14	12.99	244	1122172	75.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	133323	12.654	ng	# 80
25) Isophorone	7.45	82	991003	36.732	ng	# 64
32) Benzoic acid	7.84	122	718	8.629	ng	# 89
47) 2-Nitroaniline	9.24	65	3382	3.940	ng	# 13
50) 2,6-Dinitrotoluene	9.92	165	42182	8.679	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	42182	9.132	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	437	9.004	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	15938	3.281	ng	# 1

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

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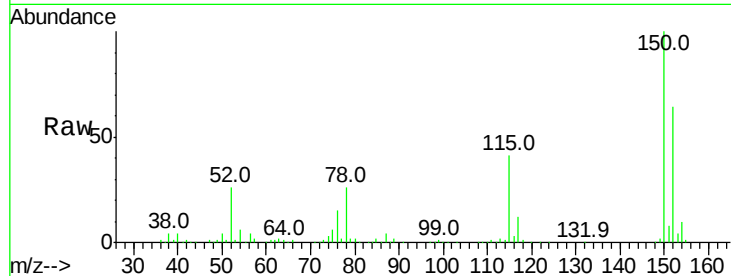




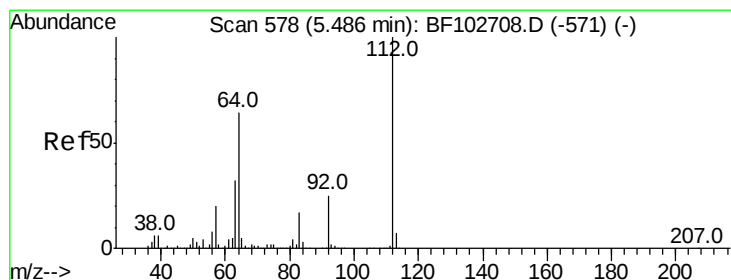
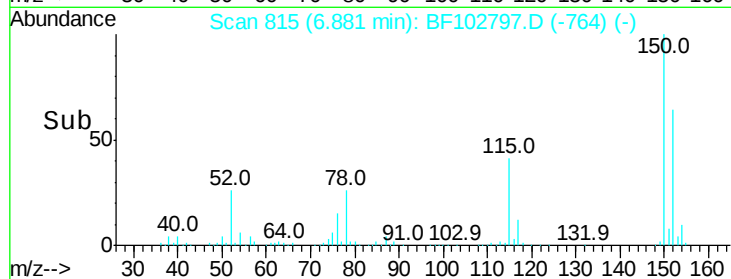
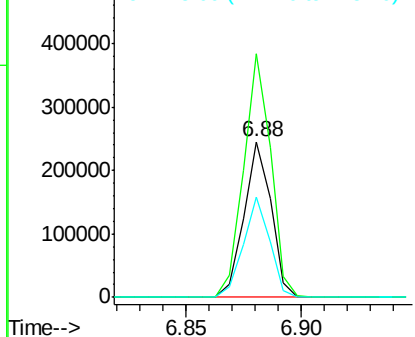
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102797.D
Acq: 6 Feb 2018 21:11

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	64.3	50.1	75.1



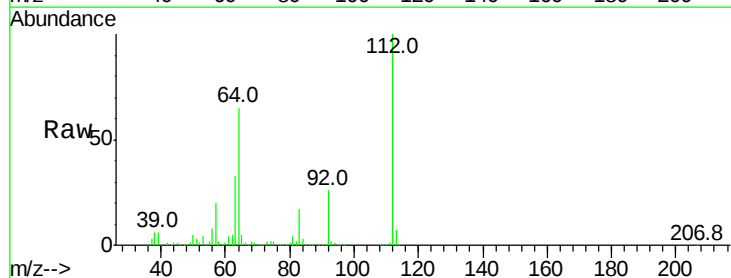
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



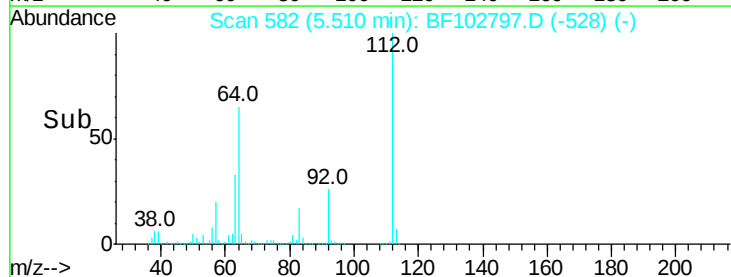
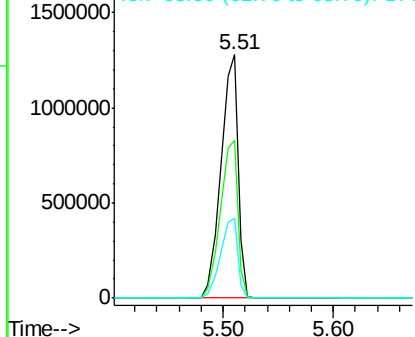
#5

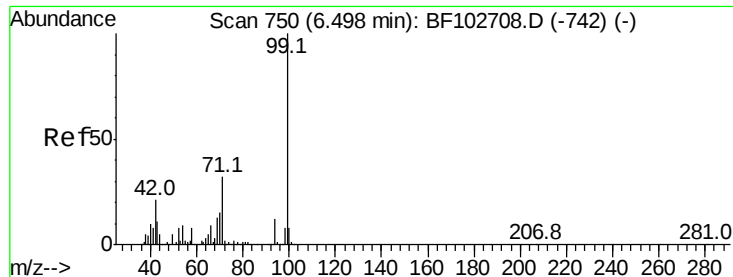
2-Fluorophenol
Concen: 104.887 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102797.D
Acq: 6 Feb 2018 21:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	32.6	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: 101.223 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102797.D

Acq: 6 Feb 2018 21:11

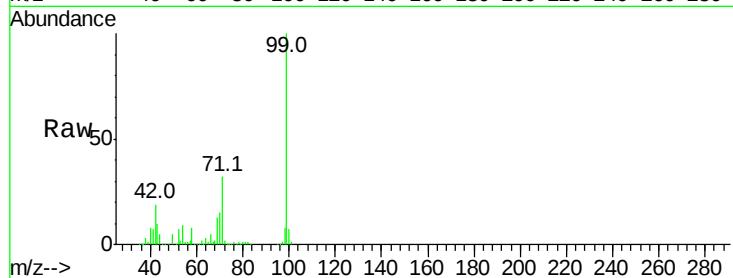
Tot Ion: 99 Resp: 1617545

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

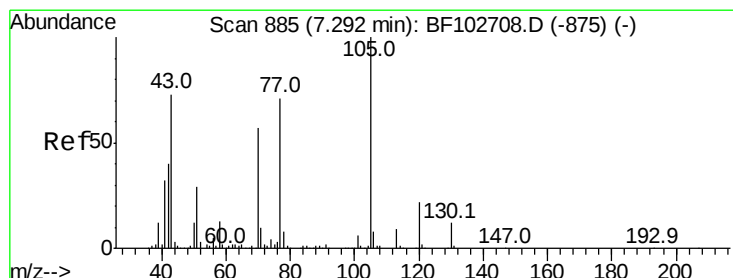
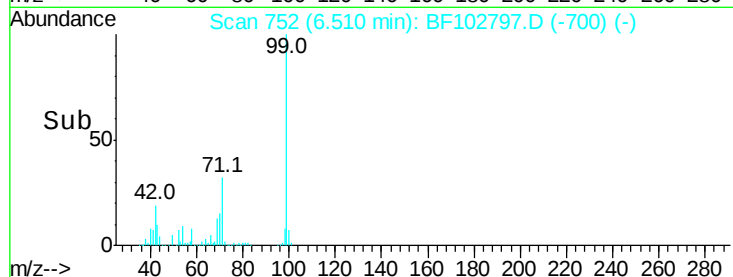
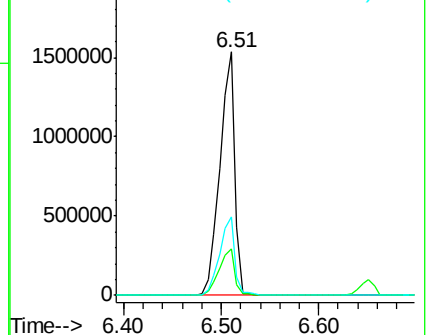
71 32.4 25.4 38.0



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: 12.654 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102797.D

Acq: 6 Feb 2018 21:11

Tgt Ion: 70 Resp: 133323

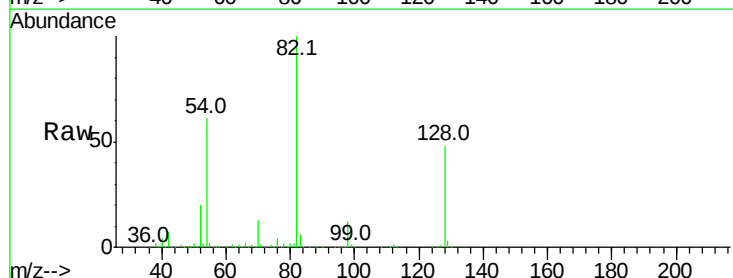
Ion Ratio Lower Upper

70 100

42 50.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

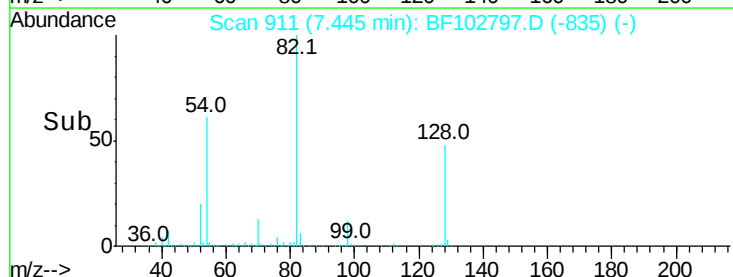
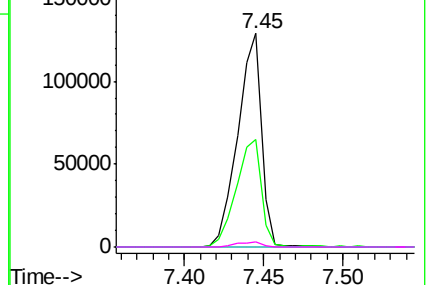


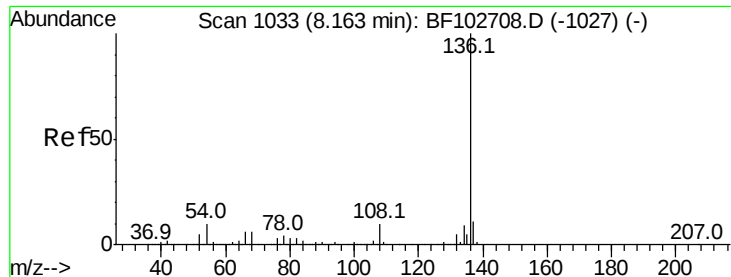
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF102797.D

Acq: 6 Feb 2018 21:11

Tot Ion:136 Resp: 812788

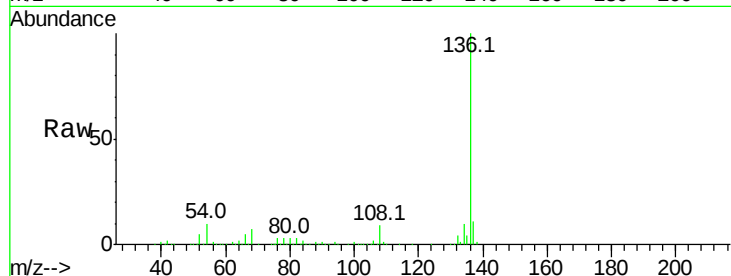
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.7 6.6 9.8

68 6.5 5.0 7.4

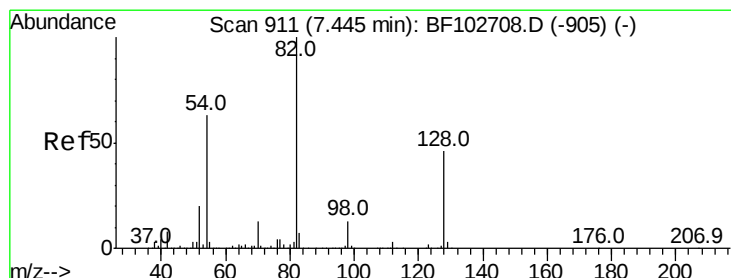
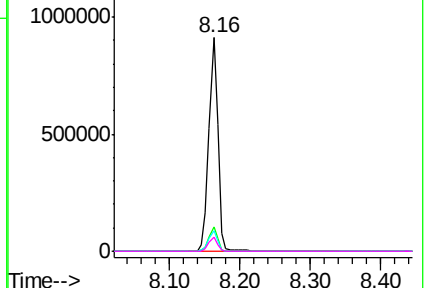
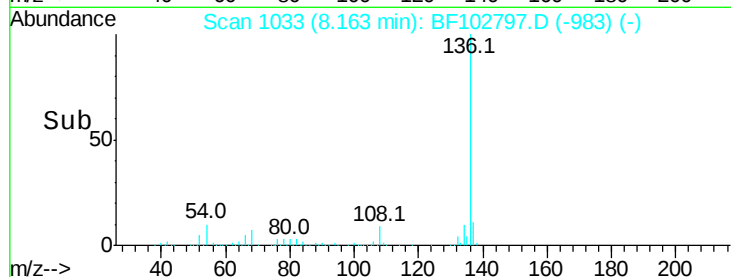


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 84.582 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102797.D

Acq: 6 Feb 2018 21:11

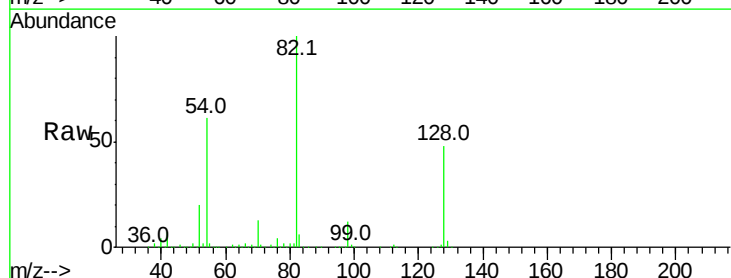
Tgt Ion: 82 Resp: 991013

Ion Ratio Lower Upper

82 100

128 47.7 36.1 54.1

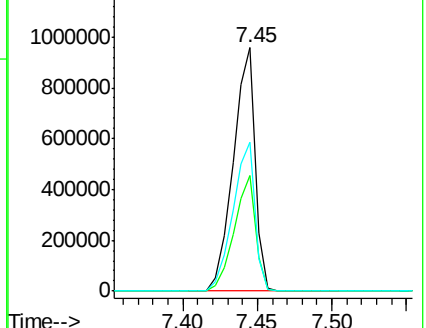
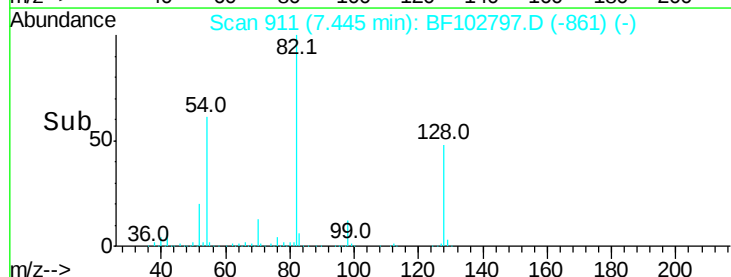
54 61.2 41.4 62.2

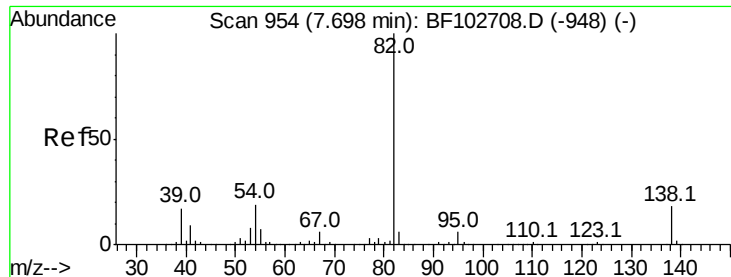


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.732 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102797.D

Acq: 6 Feb 2018 21:11

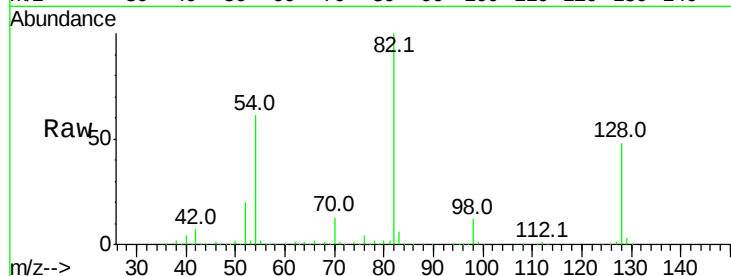
Tot Ion: 82 Resp: 991003

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

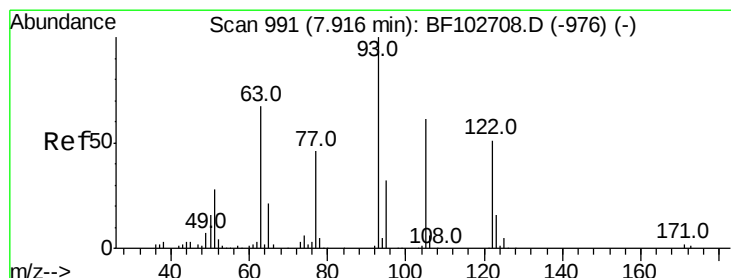
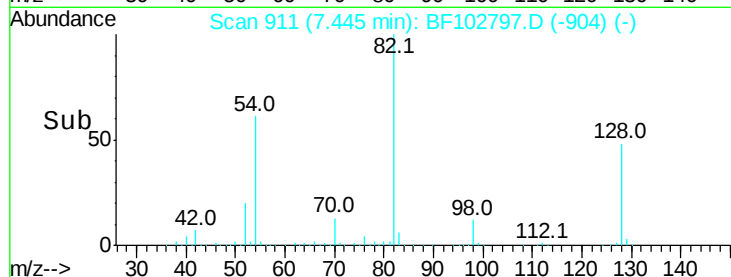
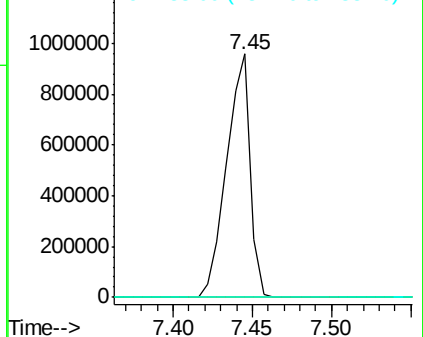
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 8.629 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.09 min

Lab File: BF102797.D

Acq: 6 Feb 2018 21:11

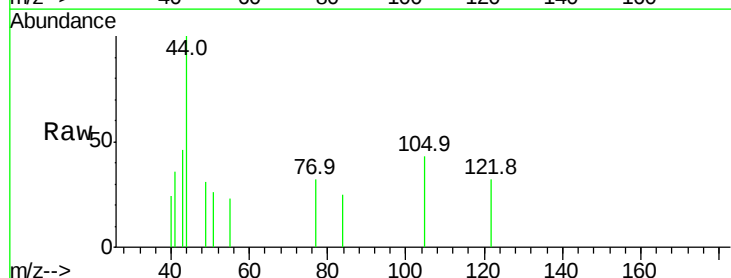
Tgt Ion: 122 Resp: 718

Ion Ratio Lower Upper

122 100

105 134.3 101.1 141.1

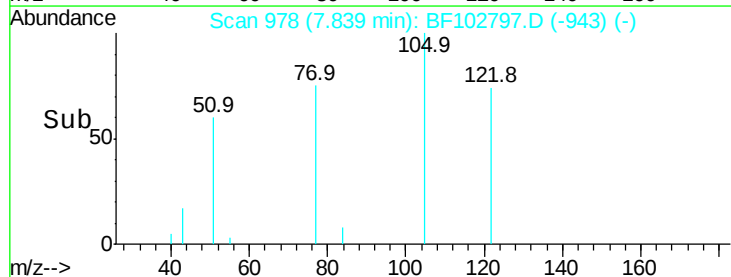
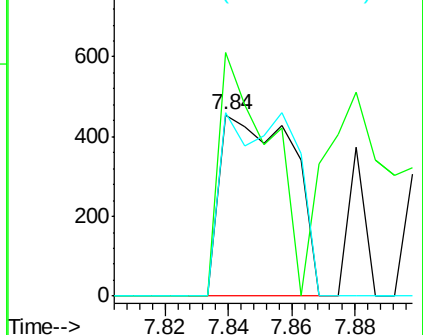
77 100.9 70.7 110.7

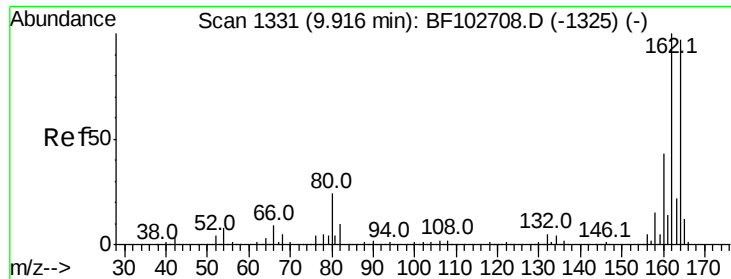


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

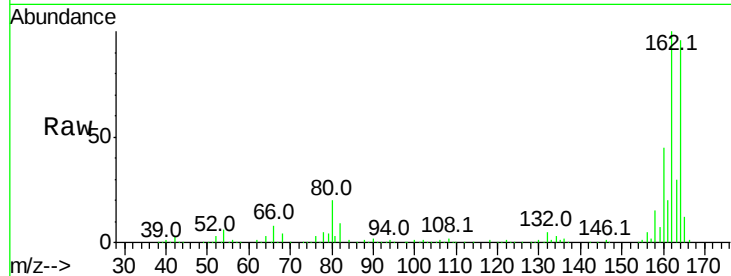
Ion 77.00 (76.70 to 77.70): BF1



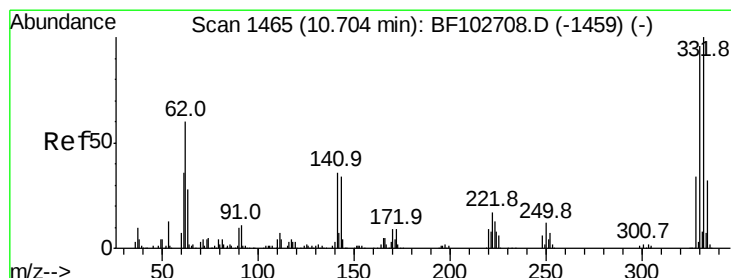
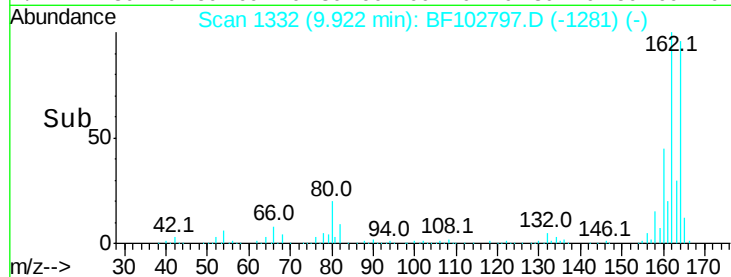
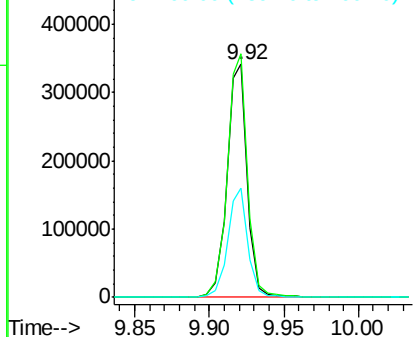


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102797.D
 Acq: 6 Feb 2018 21:11

Tot Ion:164 Resp: 327631
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.1 129.1
 160 46.9 38.3 57.5

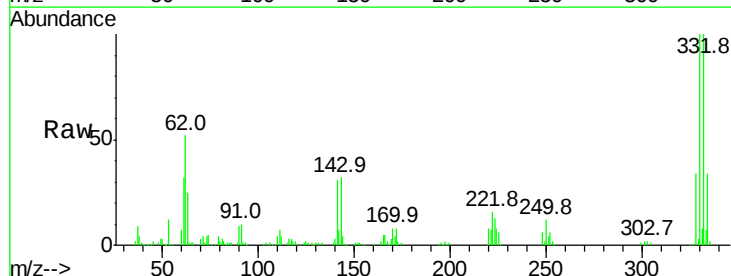


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

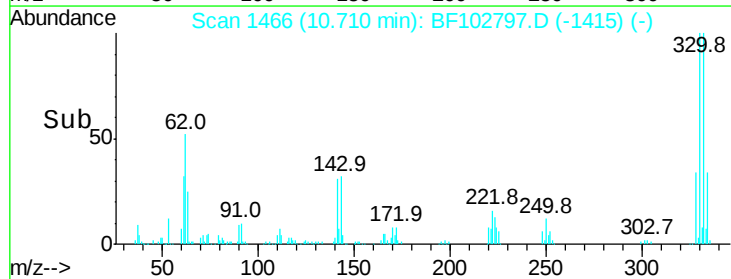
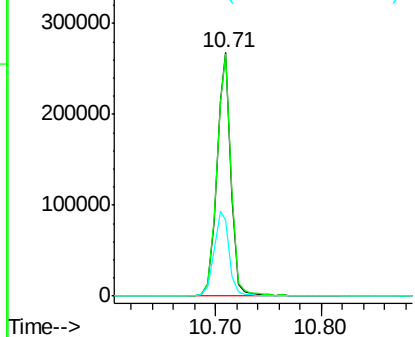


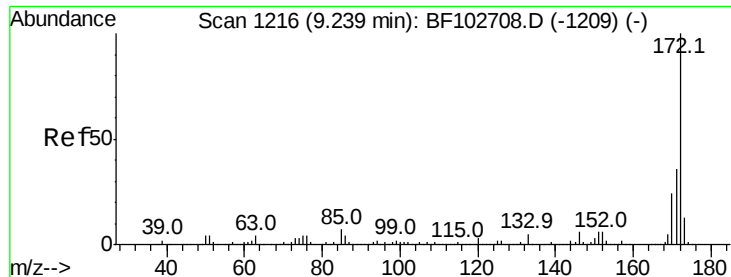
#41
 2,4,6-Tribromophenol
 Concen: 96.596 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102797.D
 Acq: 6 Feb 2018 21:11

Tgt Ion:330 Resp: 254728
 Ion Ratio Lower Upper
 330 100
 332 101.5 77.0 115.6
 141 37.8 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

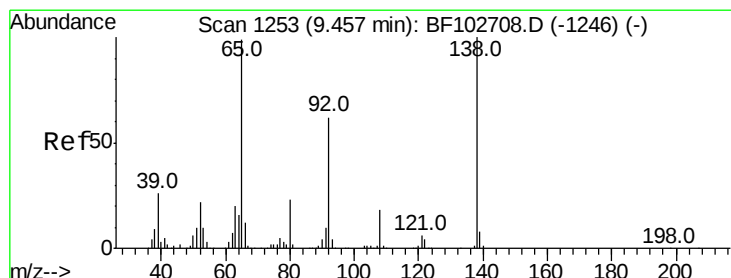
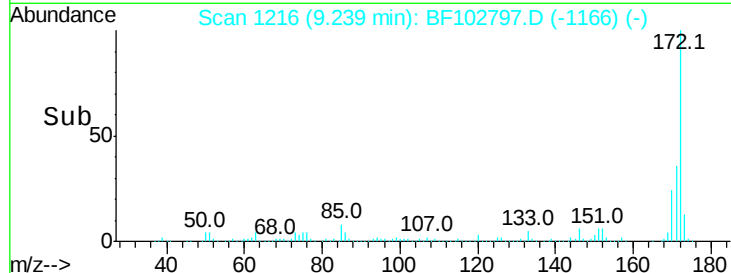
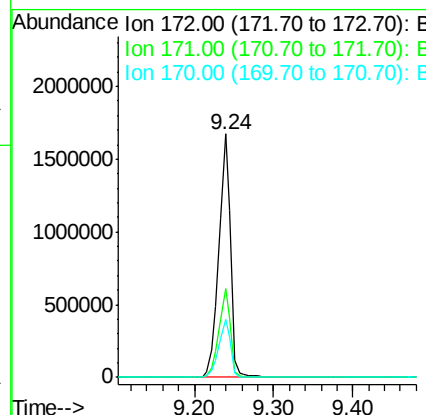
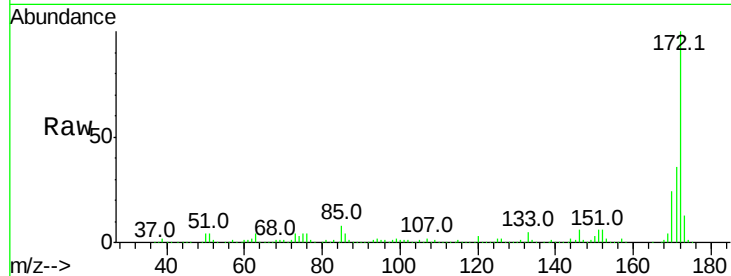




#44
 2-Fluorobiphenyl
 Concen: 86.845 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102797.D
 Acq: 6 Feb 2018 21:11

Tot Ion:172 Resp: 1714716

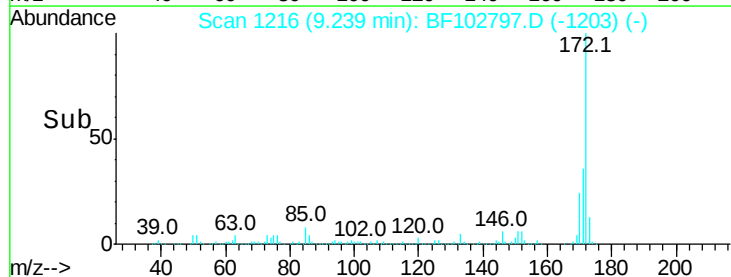
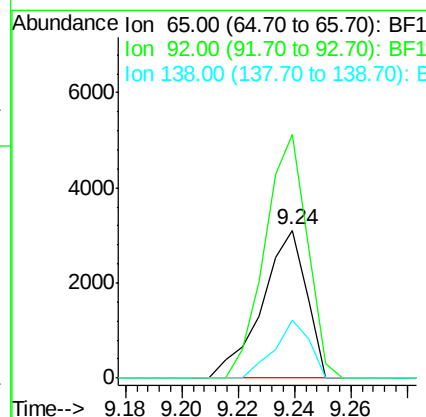
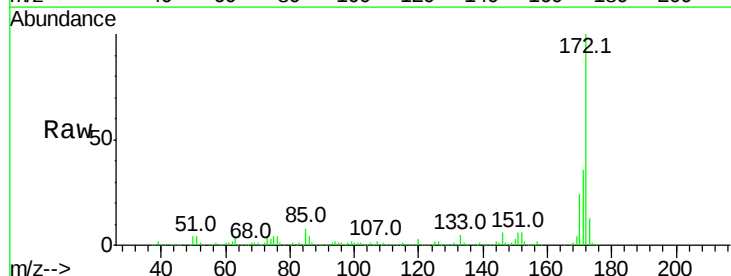
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.8	19.6	29.4

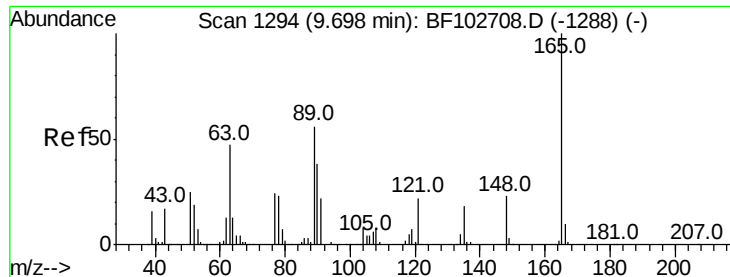


#47
 2-Nitroaniline
 Concen: 3.940 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.22 min
 Lab File: BF102797.D
 Acq: 6 Feb 2018 21:11

Tgt Ion: 65 Resp: 3382

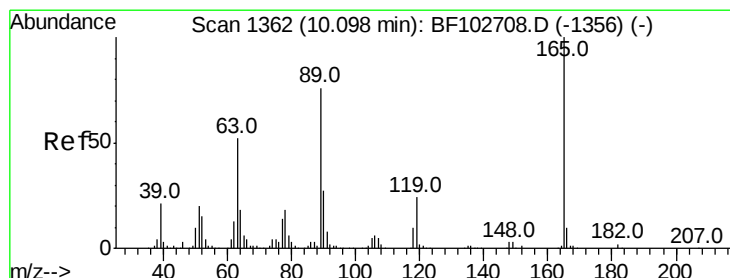
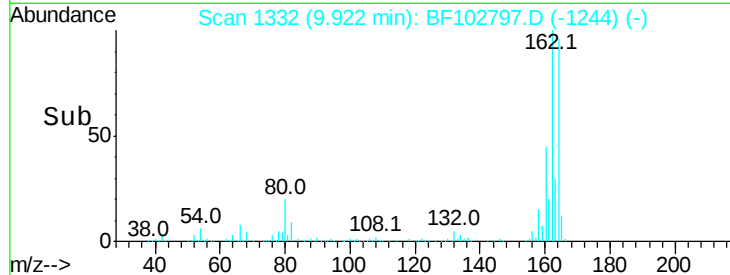
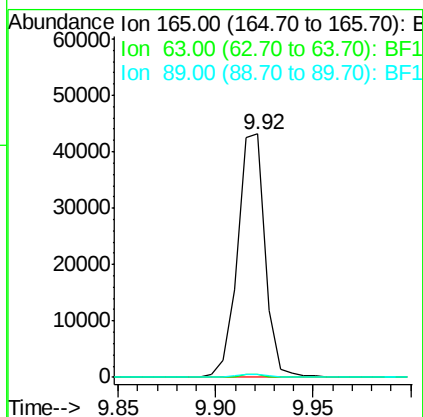
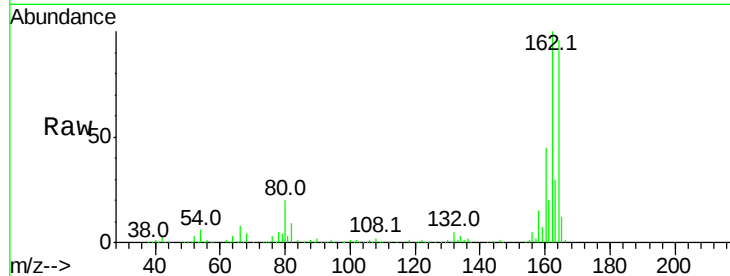
Ion	Ratio	Lower	Upper
65	100		
92	164.8	55.8	83.6#
138	39.0	91.2	136.8#





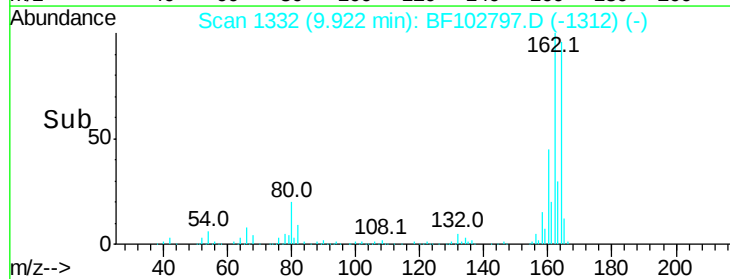
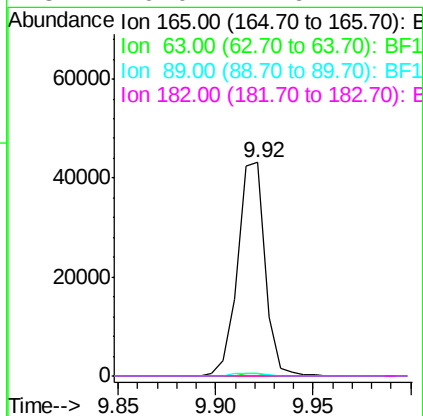
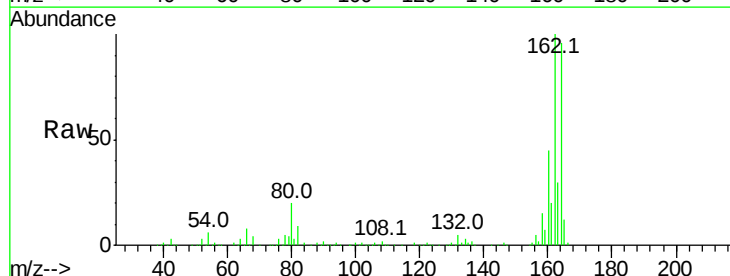
#50
 2,6-Dinitrotoluene
 Concen: 8.679 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102797.D
 Acq: 6 Feb 2018 21:11

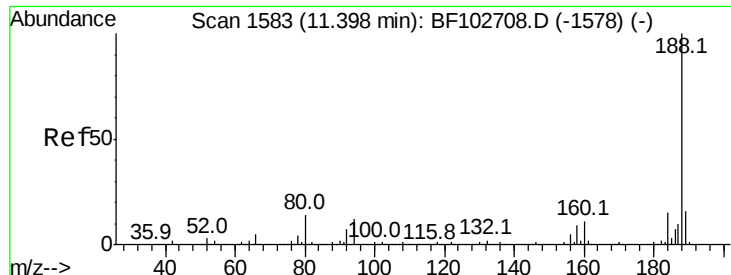
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 9.132 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102797.D
 Acq: 6 Feb 2018 21:11

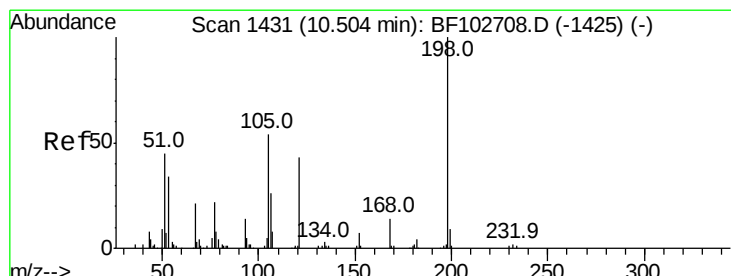
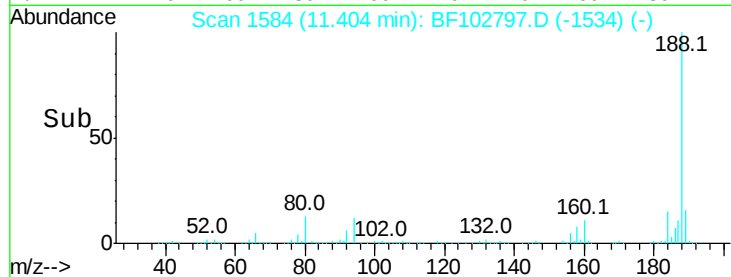
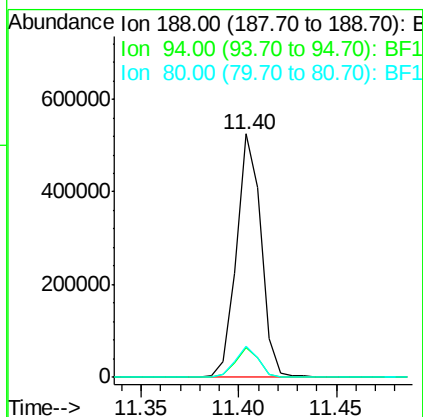
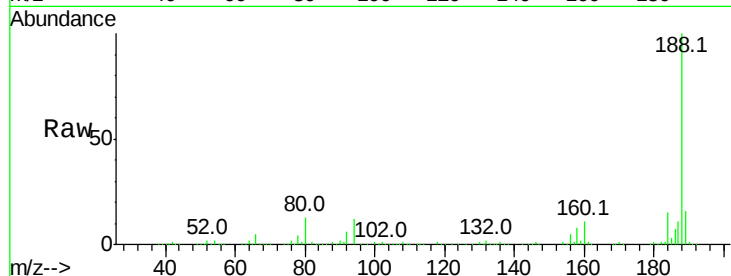
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#





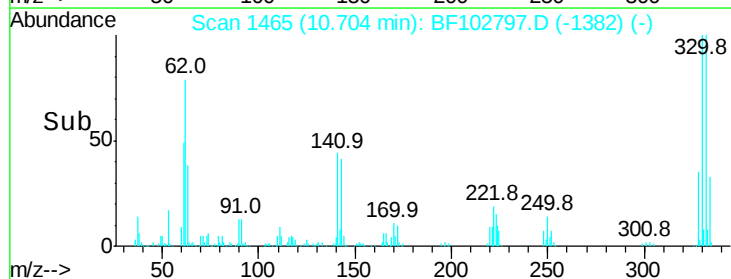
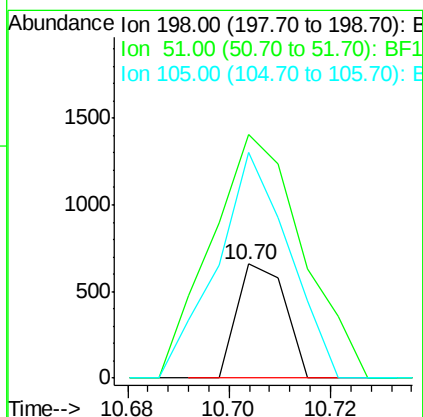
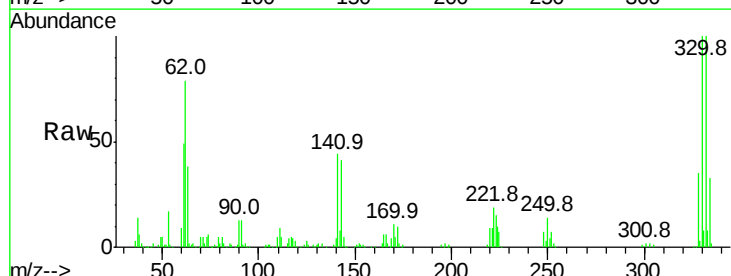
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102797.D
 Acq: 6 Feb 2018 21:11

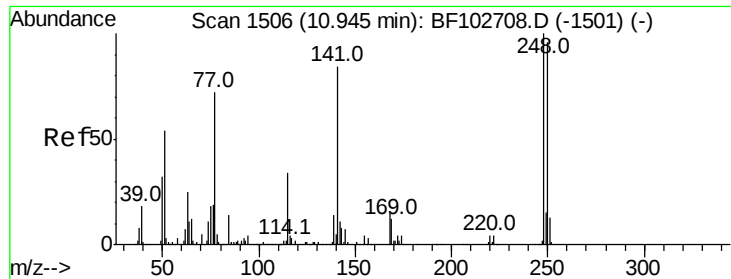
Tot Ion:188 Resp: 459163
 Ion Ratio Lower Upper
 188 100
 94 12.0 8.5 12.7
 80 13.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.004 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF102797.D
 Acq: 6 Feb 2018 21:11

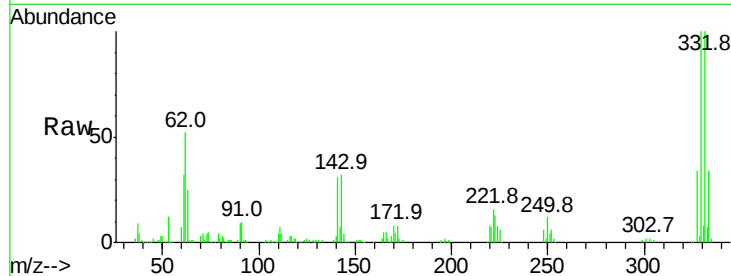
Tgt Ion:198 Resp: 437
 Ion Ratio Lower Upper
 198 100
 51 213.7 37.7 77.7#
 105 198.2 36.3 76.3#



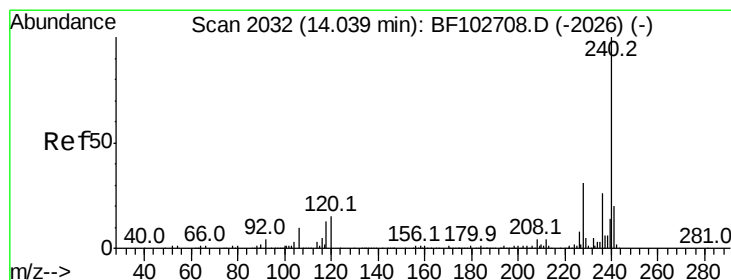
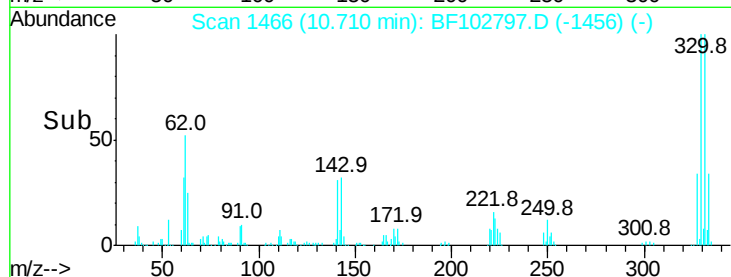
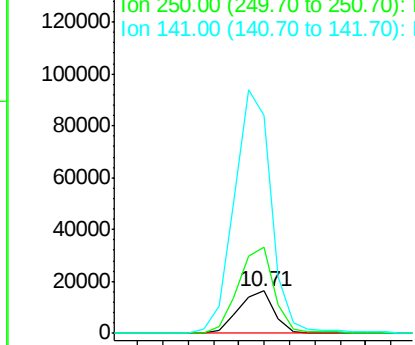


#66
4-Bromophenyl-phenylether
Concen: 3.281 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102797.D
Acq: 6 Feb 2018 21:11

Tot Ion:248 Resp: 15938
Ion Ratio Lower Upper
248 100
250 203.3 76.9 115.3#
141 515.2 74.4 111.6#

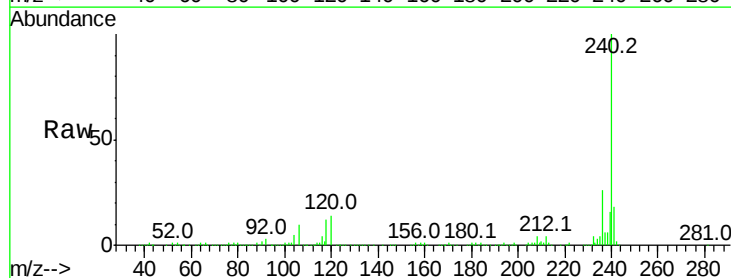


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

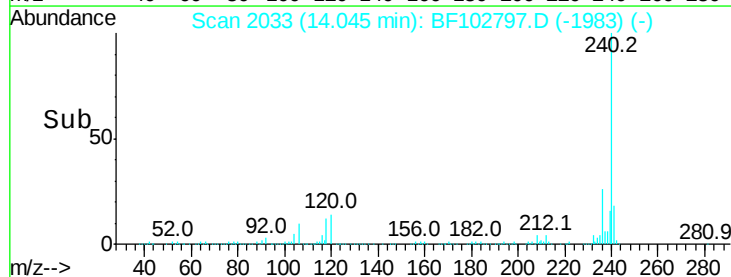
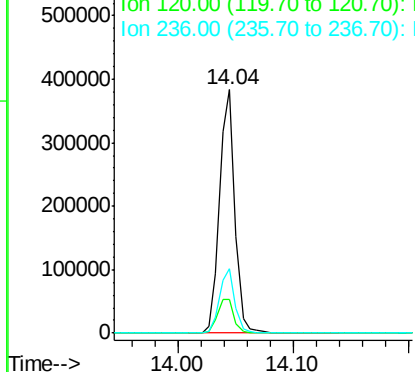


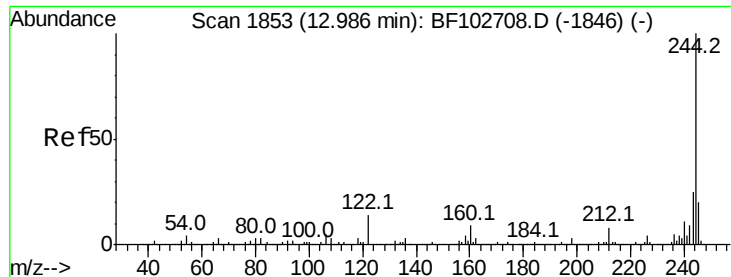
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102797.D
Acq: 6 Feb 2018 21:11

Tgt Ion:240 Resp: 352247
Ion Ratio Lower Upper
240 100
120 14.1 9.5 14.3
236 26.4 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: 75.431 ng

RT: 12.99 min Scan# 1854

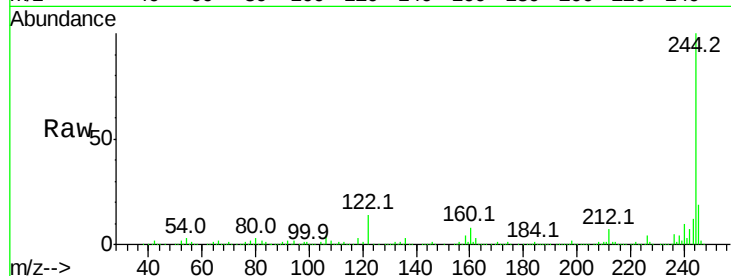
Delta R.T. -0.01 min

Lab File: BF102797.D

Acq: 6 Feb 2018 21:11

Tot Ion:244 Resp: 1122172

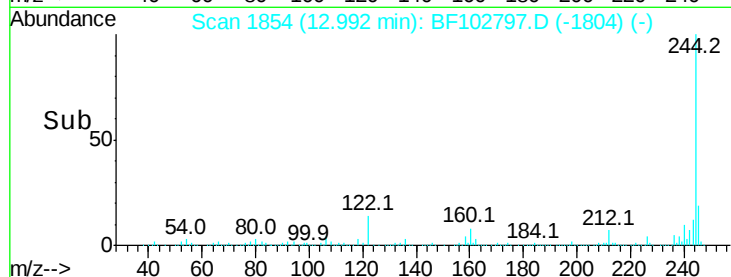
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.7	11.0	16.4



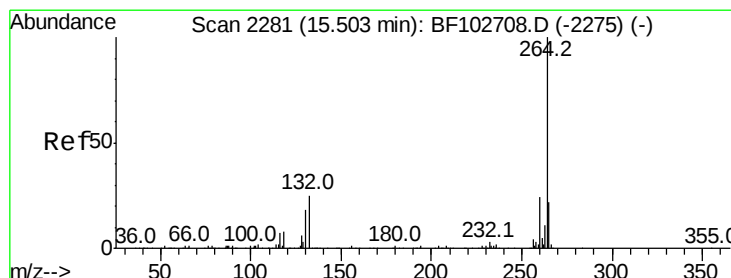
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

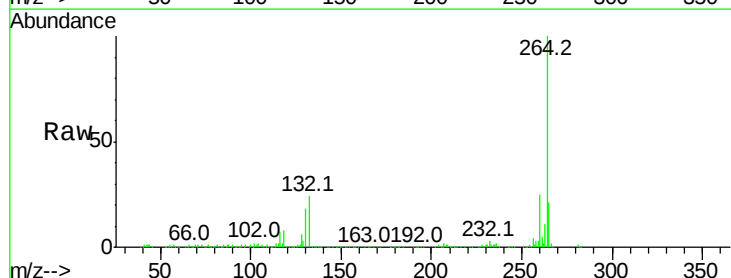
Delta R.T. -0.01 min

Lab File: BF102797.D

Acq: 6 Feb 2018 21:11

Tgt Ion:264 Resp: 329196

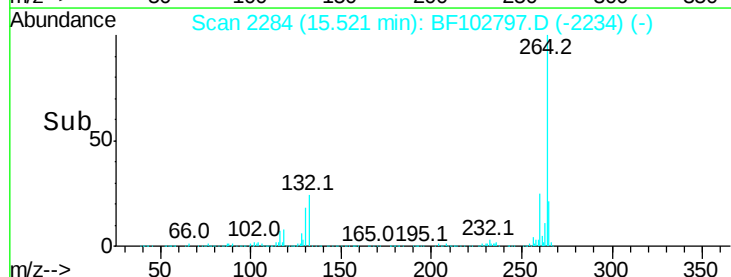
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.4	17.5	26.3



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



Time-->