

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032218\
 Data File : BF103852.D
 Acq On : 22 Mar 2018 15:26
 Operator : JU/SJ
 Sample : PB107548BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

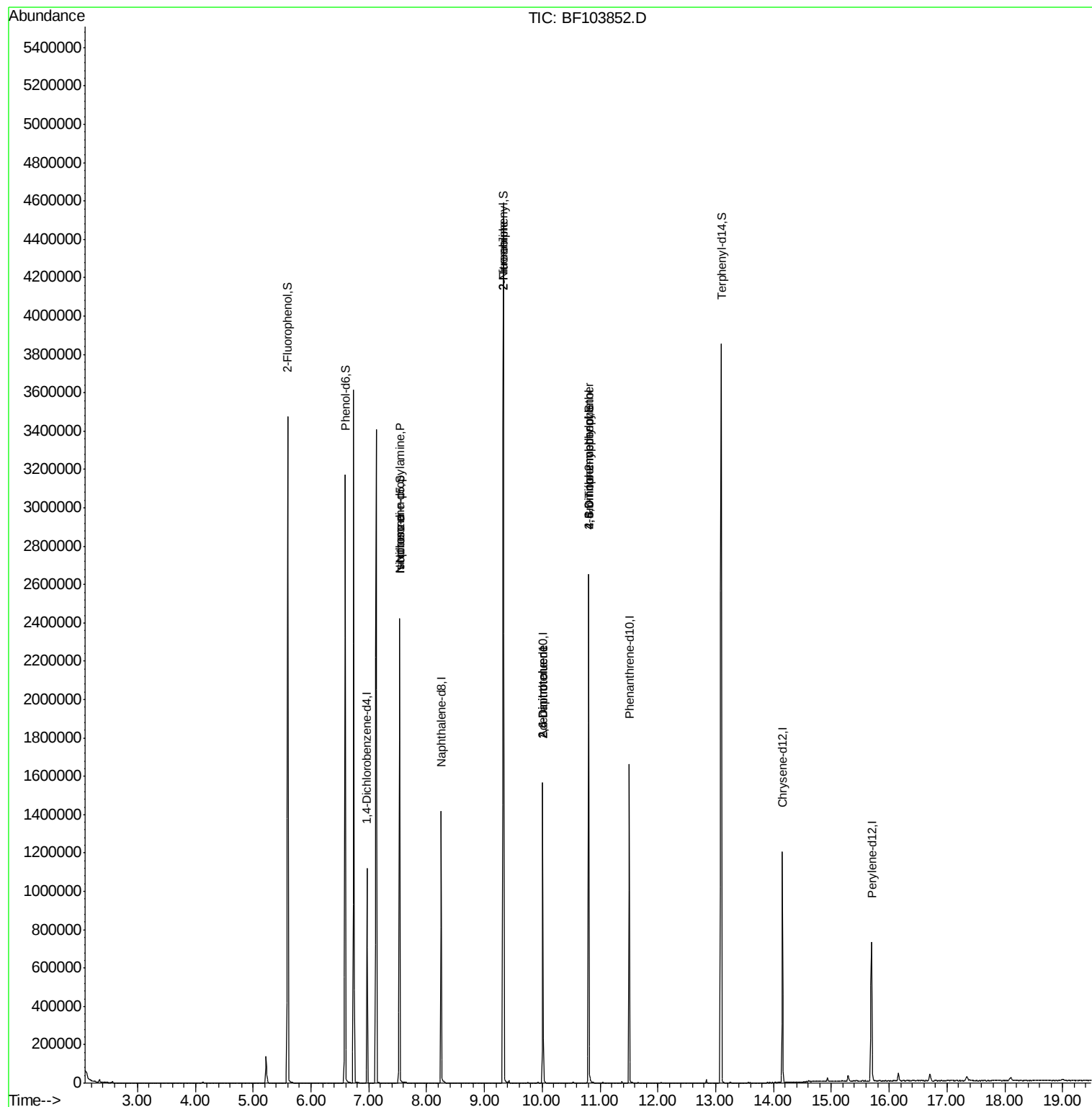
Quant Time: Mar 22 16:58:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

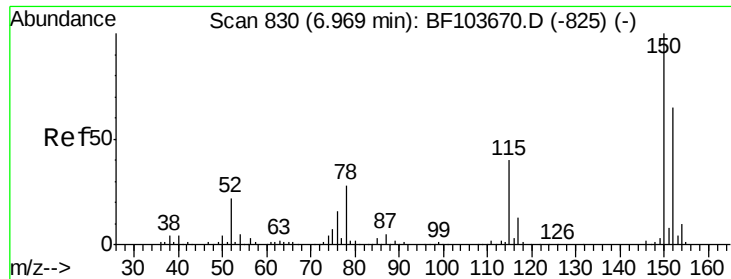
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	155218	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	634456	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	300007	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	547247	20.00	ng	0.00
75) Chrysene-d12	14.16	240	384141	20.00	ng	0.00
86) Perylene-d12	15.70	264	346365	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1179727	115.60	ng	0.00
7) Phenol-d6	6.59	99	1438913	115.25	ng	0.00
23) Nitrobenzene-d5	7.53	82	879985	96.72	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	366578	142.11	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1507421	80.15	ng	0.00
78) Terphenyl-d14	13.10	244	1549990	93.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	114458	14.305	ng	# 72
25) Isophorone	7.53	82	880122	41.789	ng	# 64
47) 2-Nitroaniline	9.33	65	2449	7.219	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	38208	11.897	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	38208	12.143	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	711	8.506	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	22193	3.950	ng	# 1

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

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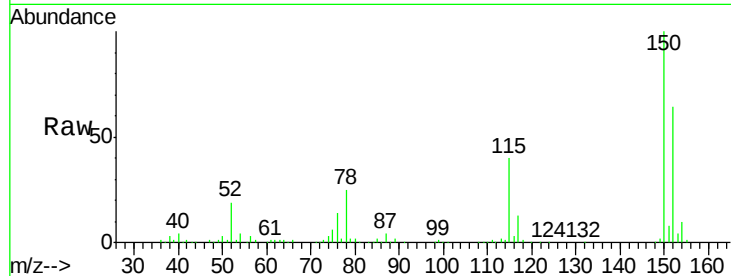




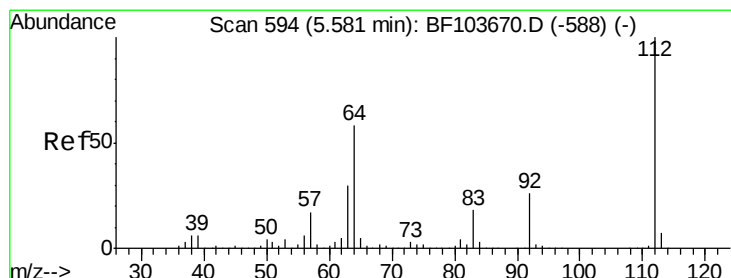
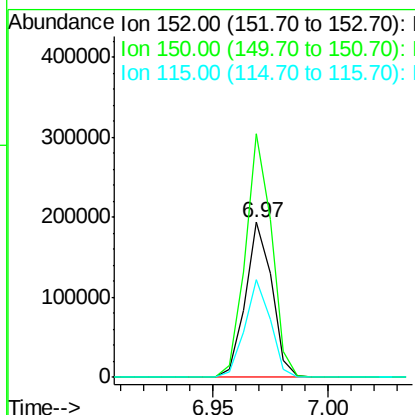
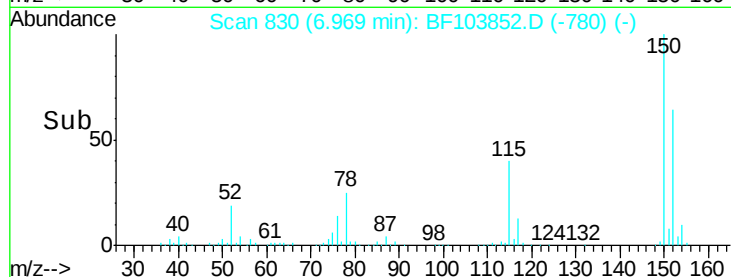
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103852.D
Acq: 22 Mar 2018 15:26

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	63.1	50.1	75.1



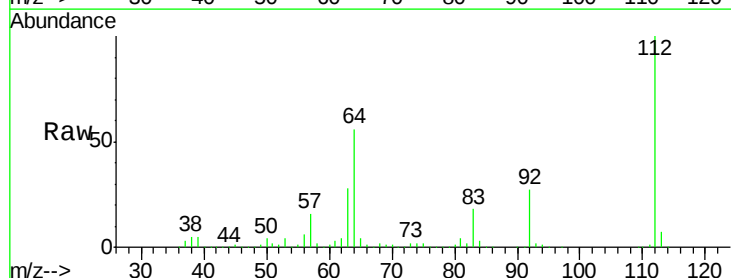
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



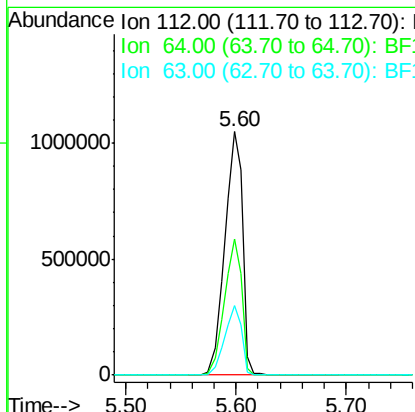
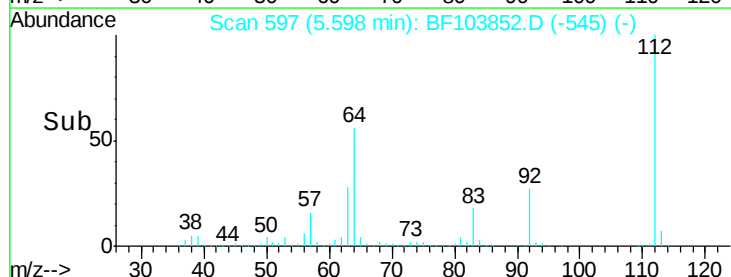
#5

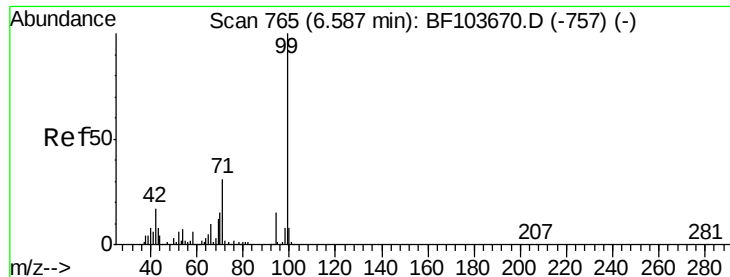
2-Fluorophenol
Concen: 115.602 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103852.D
Acq: 22 Mar 2018 15:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	28.4	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: 115.250 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103852.D

Acq: 22 Mar 2018 15:26

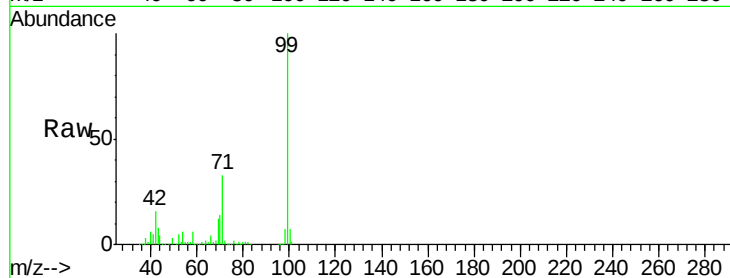
Tot Ion: 99 Resp: 1438913

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

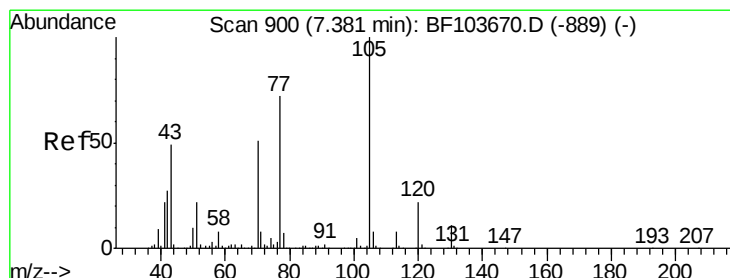
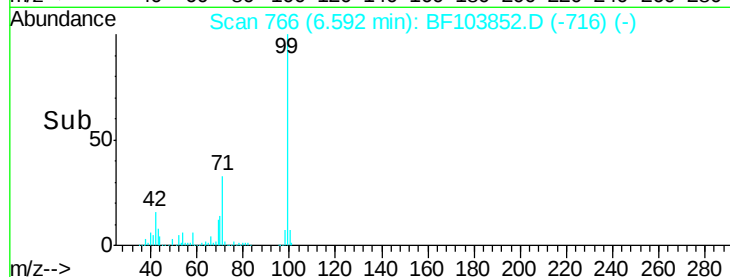
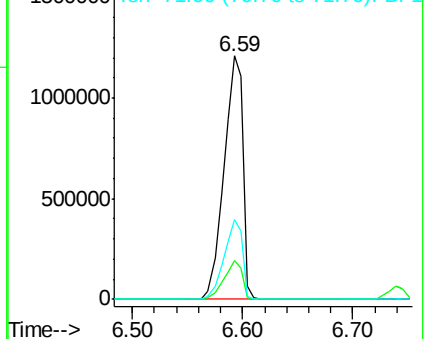
71 32.7 25.4 38.0



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: 14.305 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103852.D

Acq: 22 Mar 2018 15:26

Tgt Ion: 70 Resp: 114458

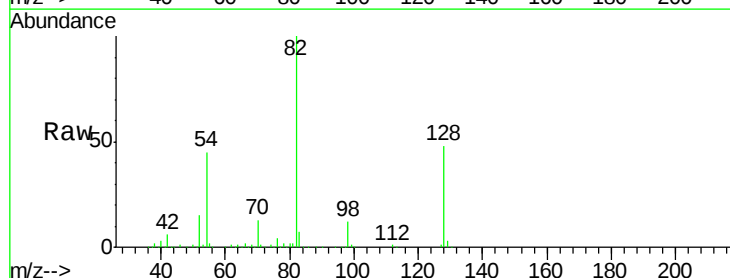
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

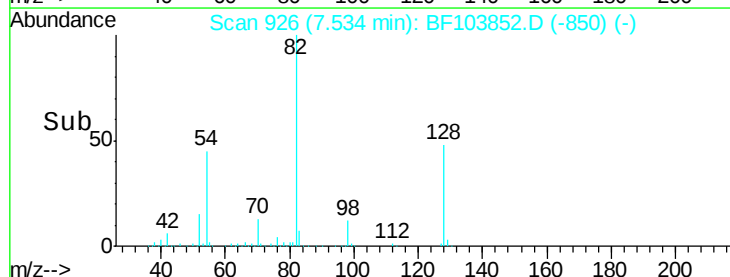
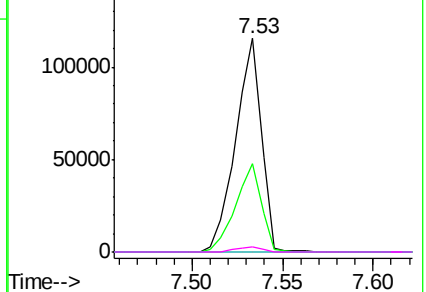


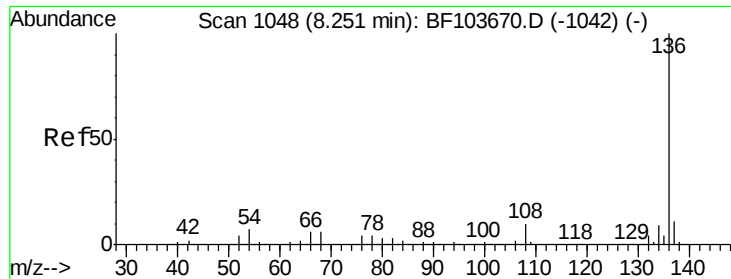
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

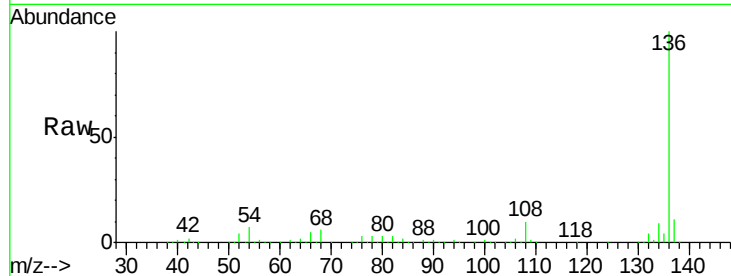
Ion 130.00 (129.70 to 130.70): BF1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103852.D
Acq: 22 Mar 2018 15:26

Tot Ion:136	Resp: 634456
Ion Ratio	Lower Upper
136 100	
137 10.9	8.9 13.3
54 7.0	6.6 9.8
68 6.2	5.0 7.4

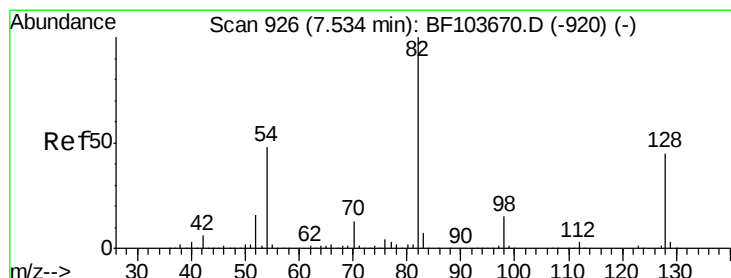
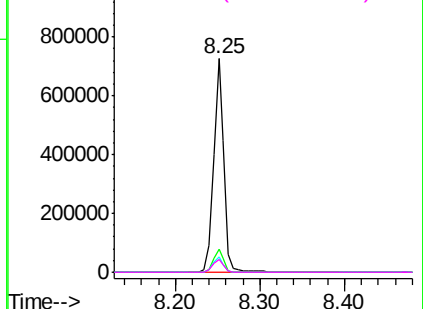
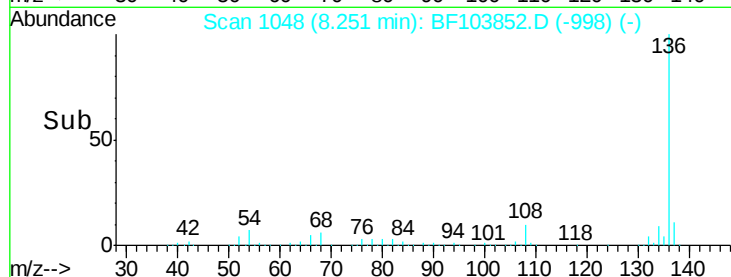


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

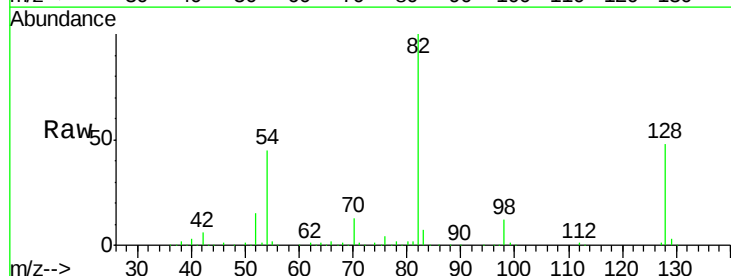
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 96.723 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103852.D
Acq: 22 Mar 2018 15:26

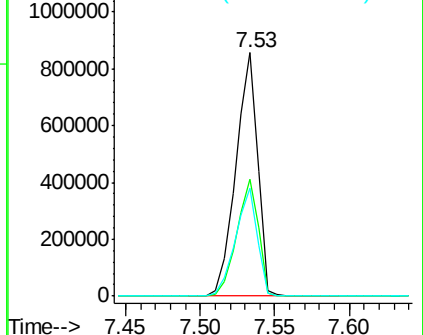
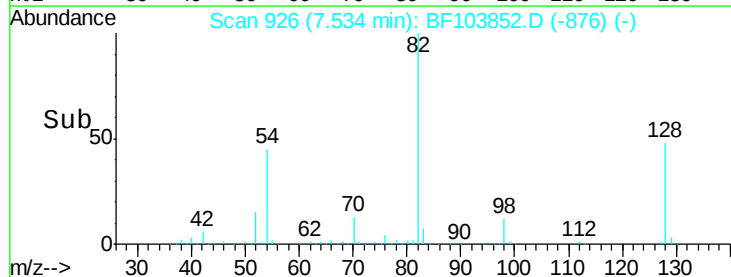
Tgt	Ion: 82	Resp:	879985
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.1	54.1
54	44.5	41.4	62.2

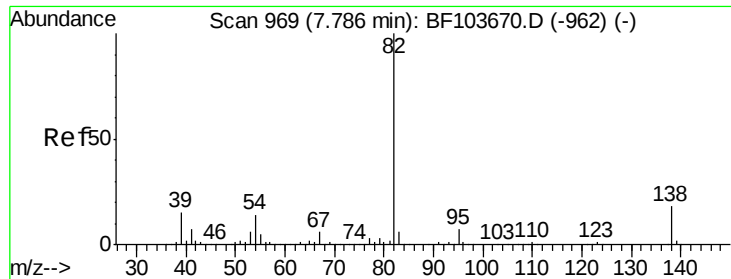


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.789 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103852.D

Acq: 22 Mar 2018 15:26

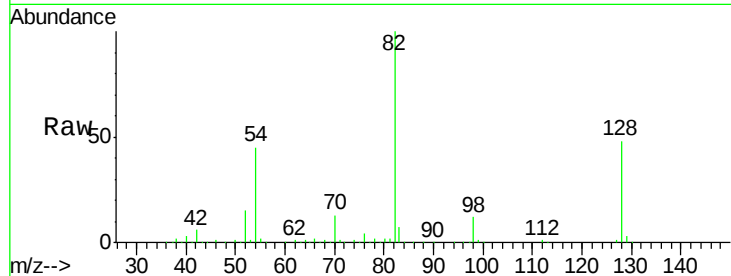
Tot Ion: 82 Resp: 880122

Ion Ratio Lower Upper

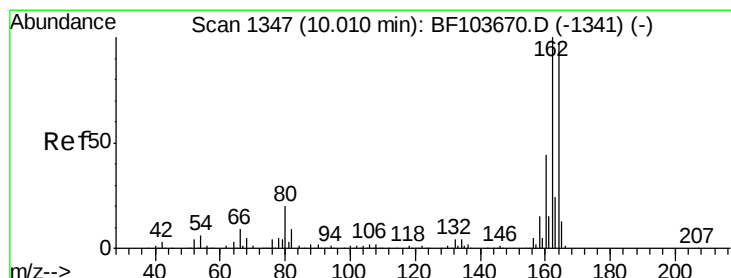
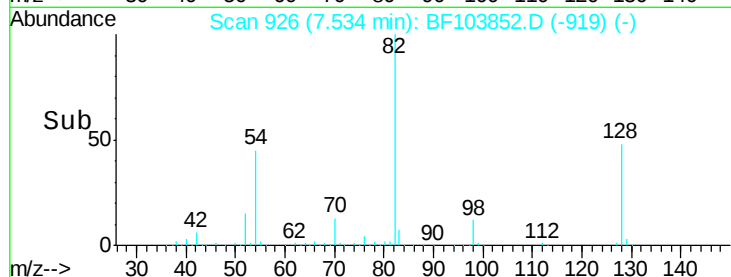
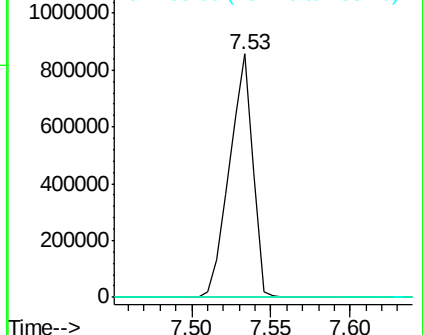
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF103852.D

Acq: 22 Mar 2018 15:26

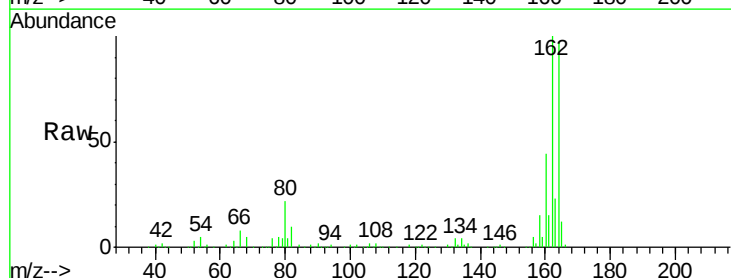
Tgt Ion:164 Resp: 300007

Ion Ratio Lower Upper

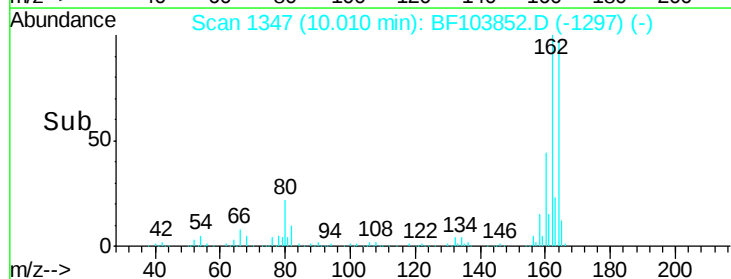
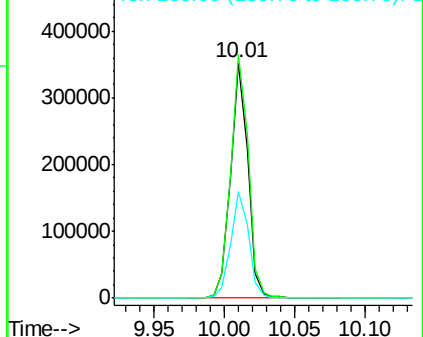
164 100

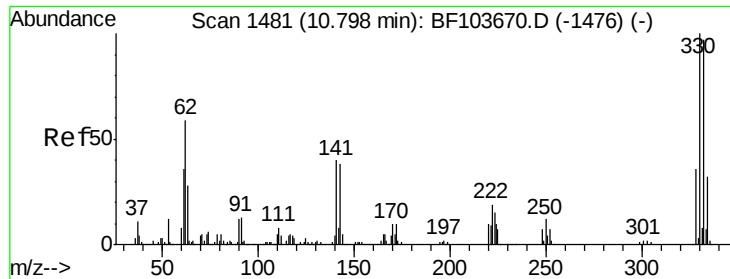
162 103.6 86.1 129.1

160 45.5 38.3 57.5



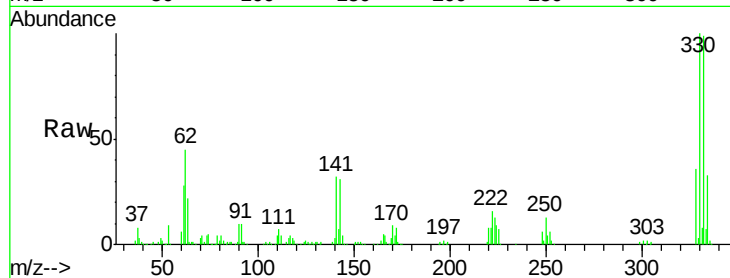
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



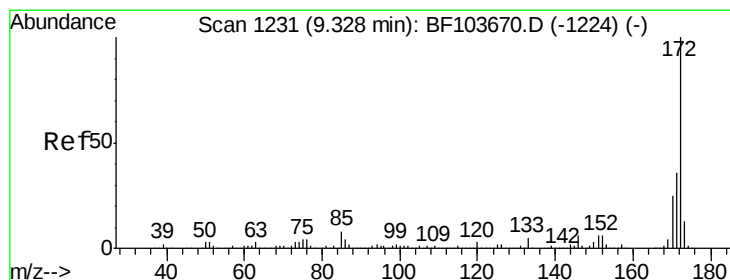
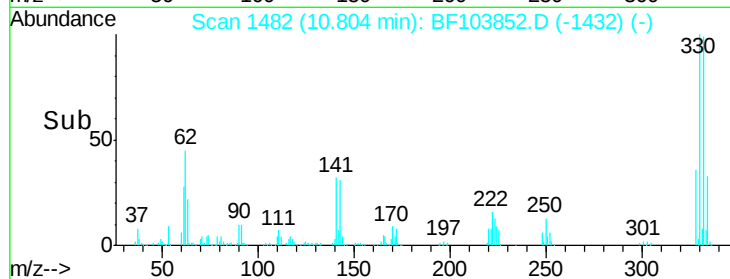
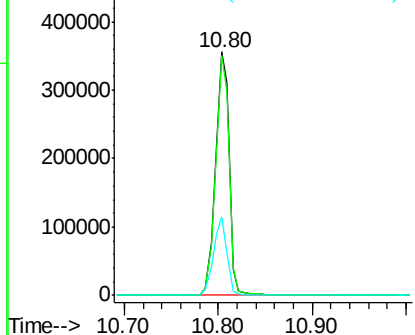


#41
 2,4,6-Tribromophenol
 Concen: 142.113 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103852.D
 Acq: 22 Mar 2018 15:26

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	31.7	29.9	44.9

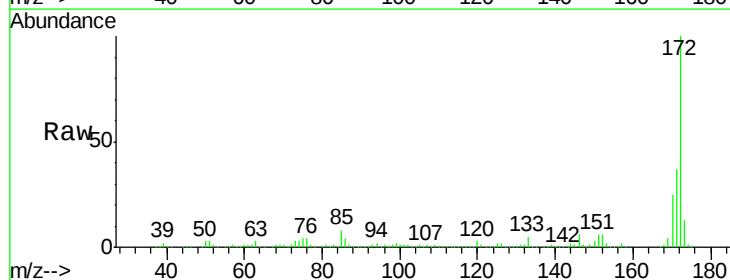


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

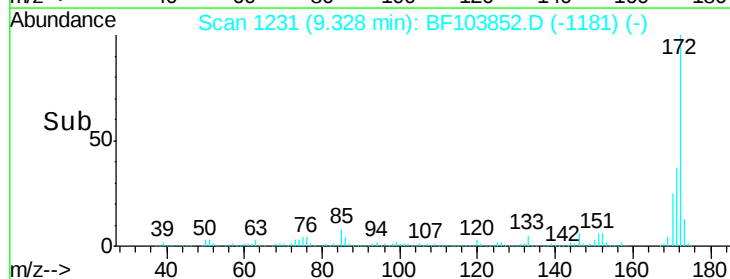
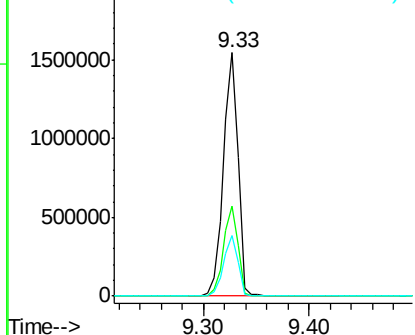


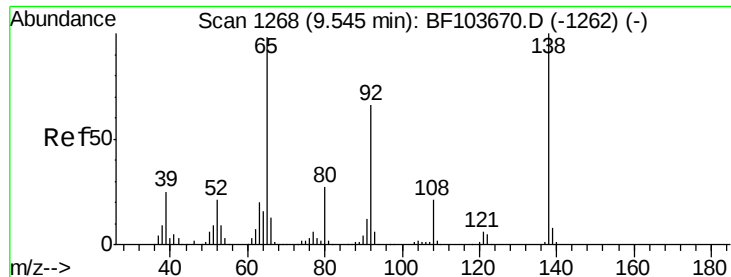
#44
 2-Fluorobiphenyl
 Concen: 80.150 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103852.D
 Acq: 22 Mar 2018 15:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.7	19.6	29.4



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





#47

2-Nitroaniline

Concen: 7.219 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.23 min

Lab File: BF103852.D

Acq: 22 Mar 2018 15:26

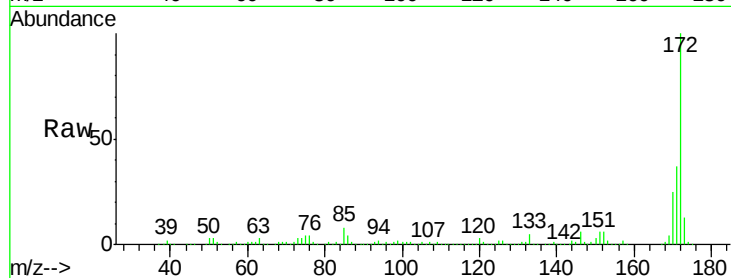
Tot Ion: 65 Resp: 2449

Ion Ratio Lower Upper

65 100

92 222.9 55.8 83.6#

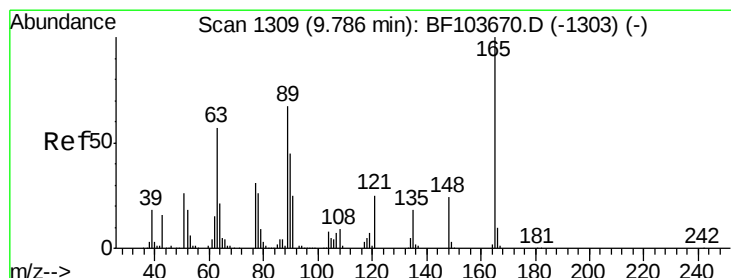
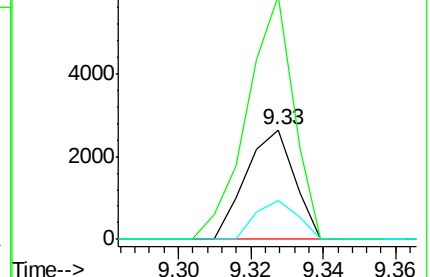
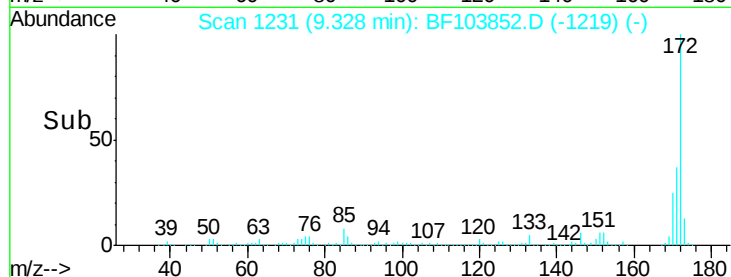
138 35.2 91.2 136.8#



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: 11.897 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF103852.D

Acq: 22 Mar 2018 15:26

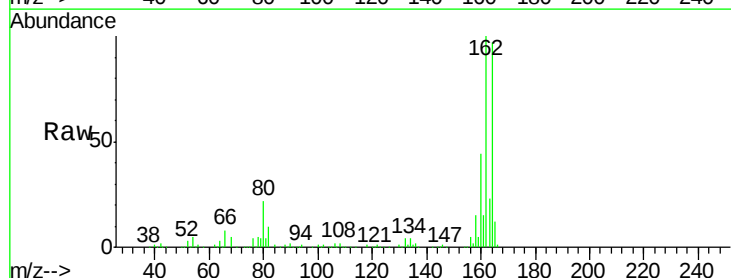
Tgt Ion: 165 Resp: 38208

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

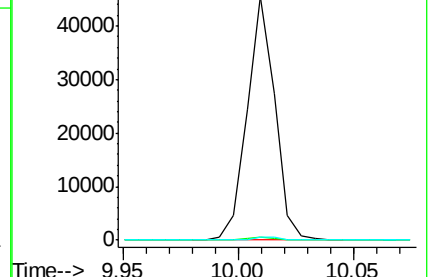
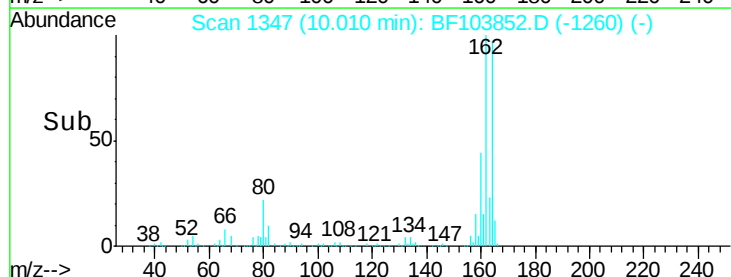
89 1.3 44.0 66.0#

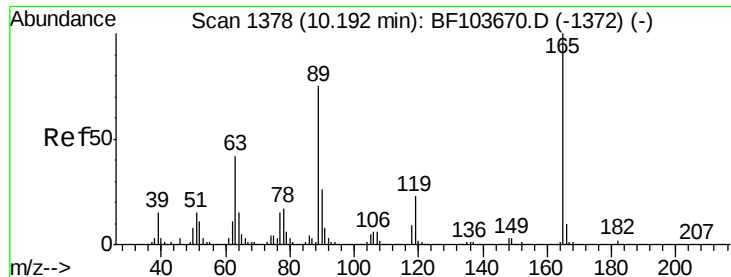


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

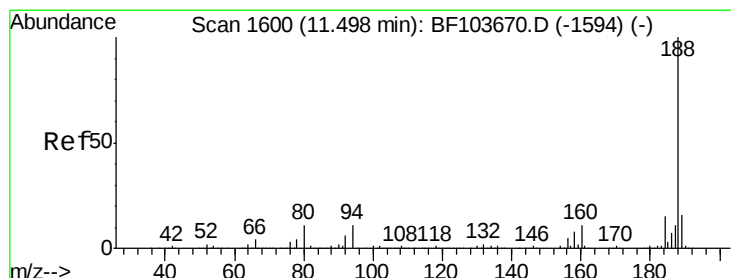
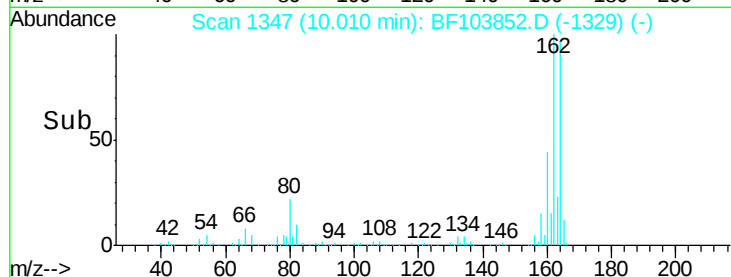
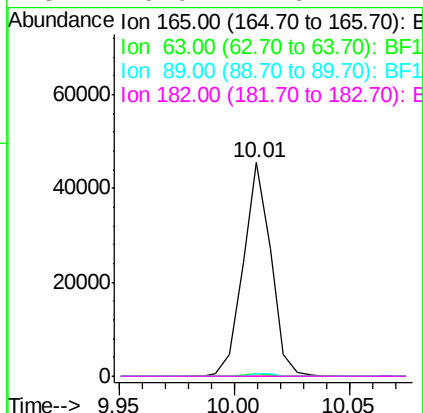
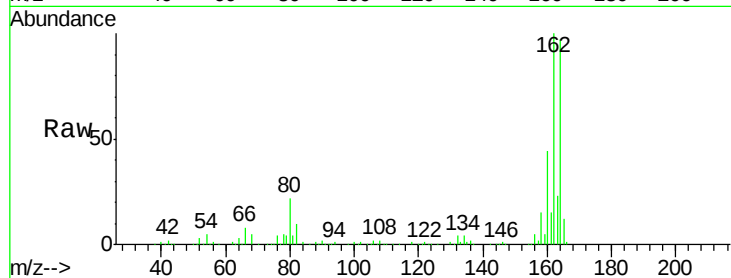
Ion 89.00 (88.70 to 89.70): BF1





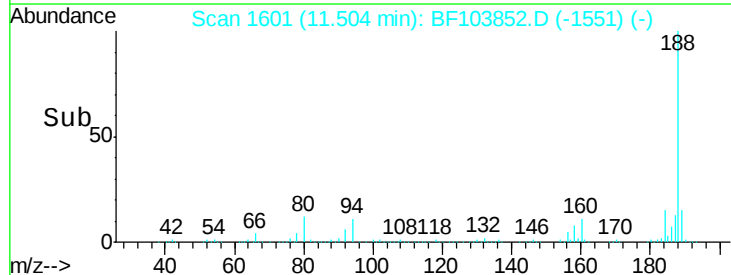
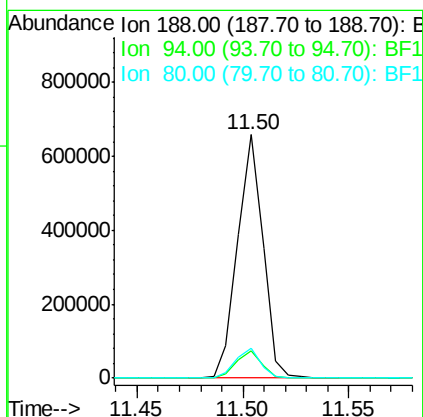
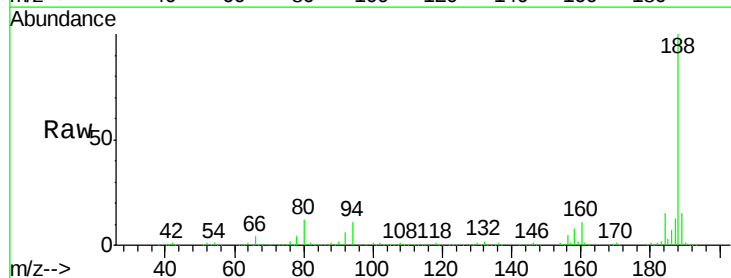
#56
 2,4-Dinitrotoluene
 Concen: 12.143 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.19 min
 Lab File: BF103852.D
 Acq: 22 Mar 2018 15:26

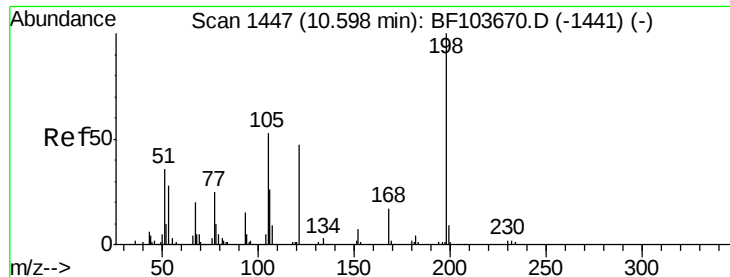
Tot Ion:	165	Resp:	38208
Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103852.D
 Acq: 22 Mar 2018 15:26

Tgt Ion:	188	Resp:	547247
Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	12.0	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.506 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.19 min

Lab File: BF103852.D

Acq: 22 Mar 2018 15:26

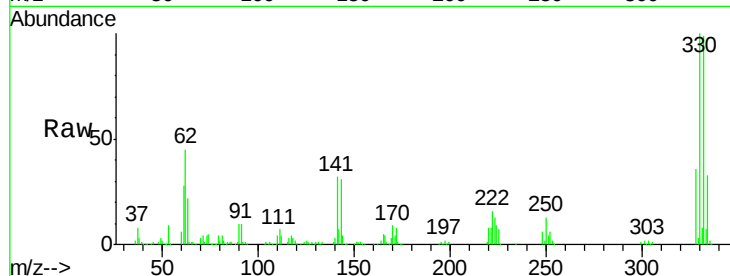
Tot Ion:198 Resp: 711

Ion Ratio Lower Upper

198 100

51 153.4 37.7 77.7#

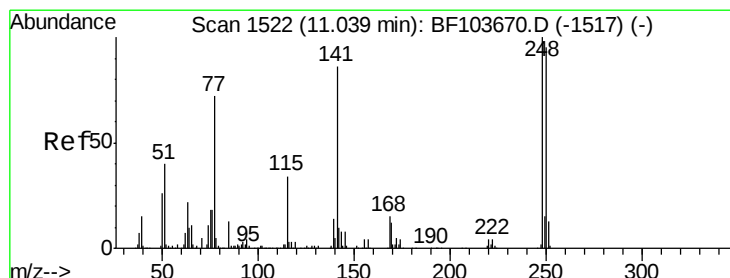
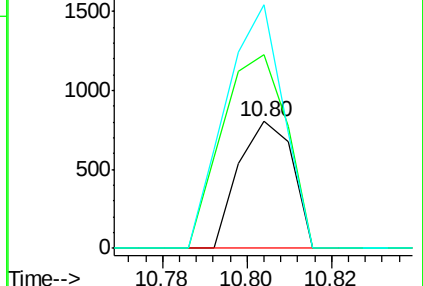
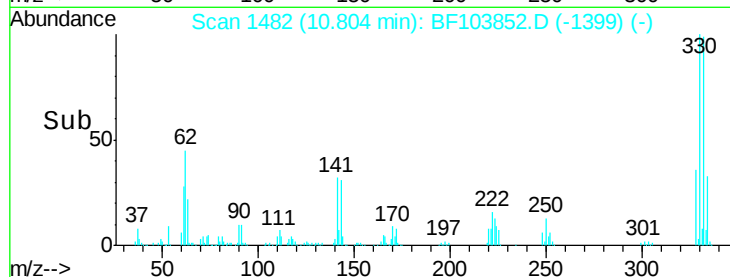
105 192.3 36.3 76.3#



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: 3.950 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.25 min

Lab File: BF103852.D

Acq: 22 Mar 2018 15:26

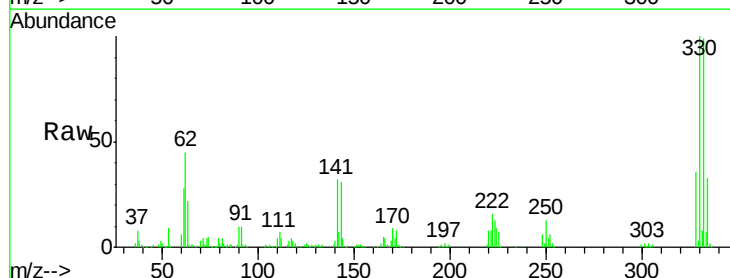
Tgt Ion:248 Resp: 22193

Ion Ratio Lower Upper

248 100

250 201.0 76.9 115.3#

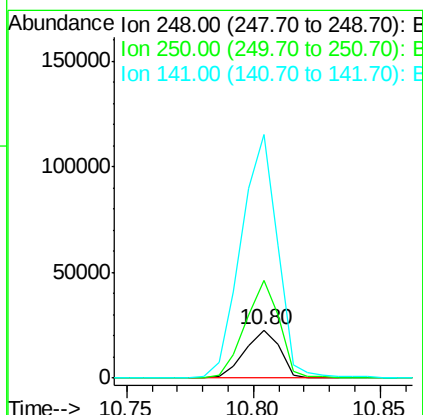
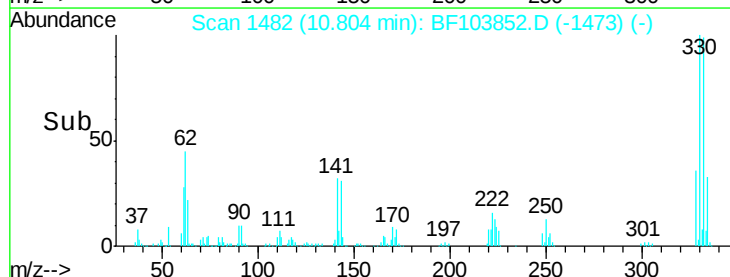
141 503.9 74.4 111.6#

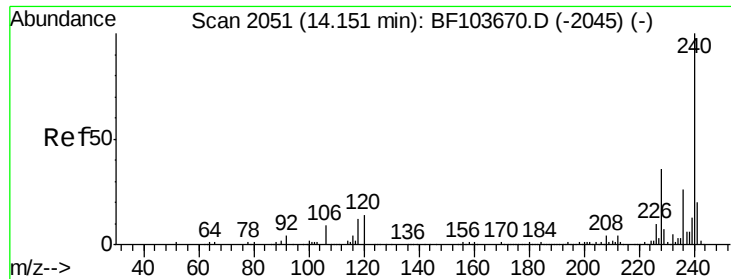


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

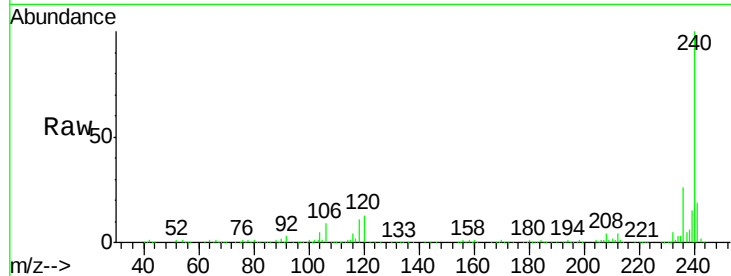
Ion 141.00 (140.70 to 141.70): E



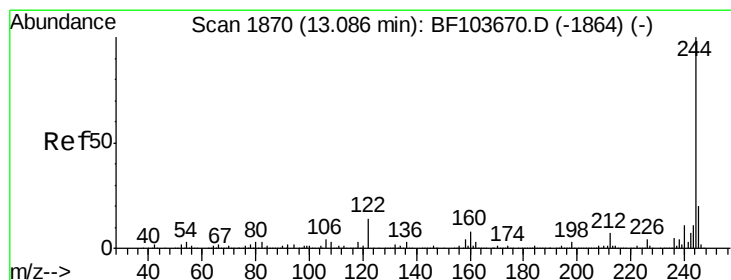
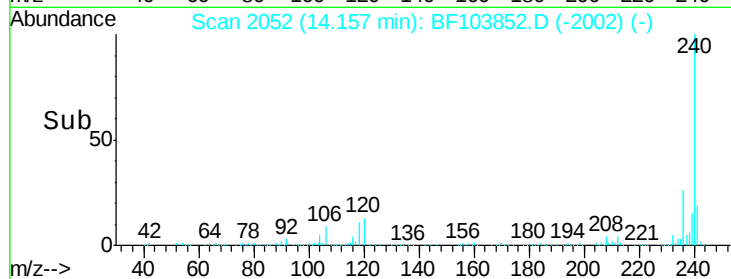
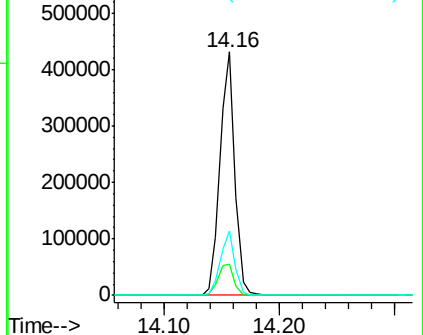


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF103852.D
Acq: 22 Mar 2018 15:26

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.5	14.3
236	26.5	20.7	31.1

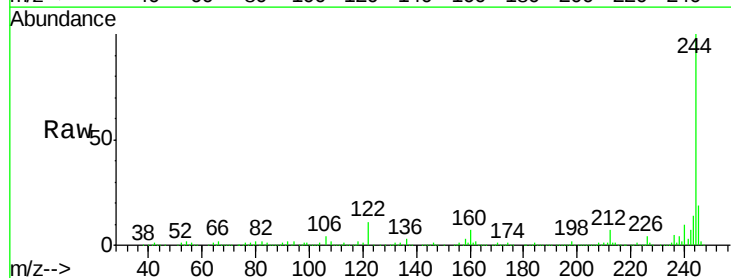


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

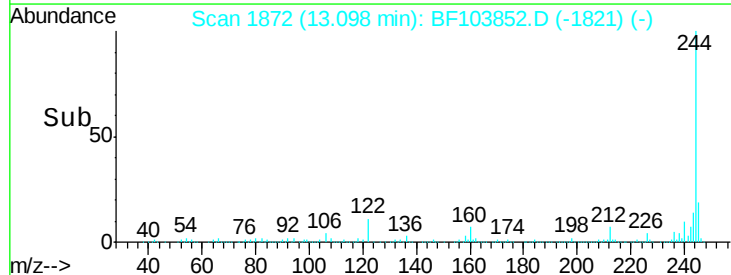
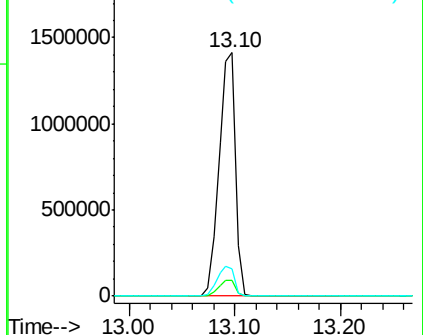


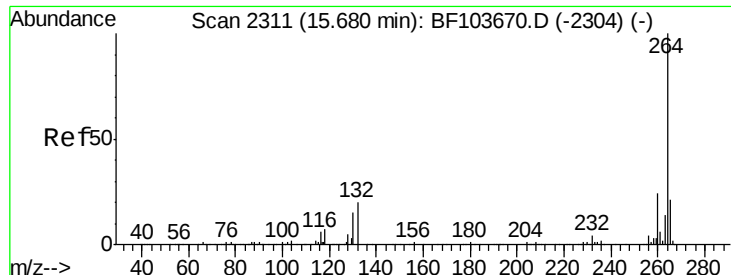
#78
Terphenyl-d14
Concen: 93.657 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BF103852.D
Acq: 22 Mar 2018 15:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.4	11.0	16.4



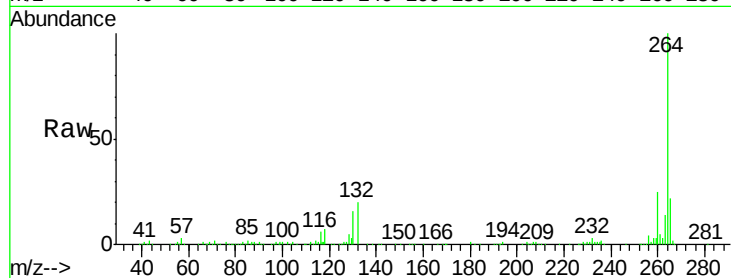
Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF103852.D
Acq: 22 Mar 2018 15:26

Tot	Ion:264	Resp:	346365
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.7	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

