

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032218\
 Data File : BF103845.D
 Acq On : 22 Mar 2018 11:55
 Operator : JU/SJ
 Sample : J1946-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 15:37:22 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	147537	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	603533	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	285157	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	519085	20.00	ng	0.00
75) Chrysene-d12	14.16	240	395802	20.00	ng	0.00
86) Perylene-d12	15.69	264	321388	20.00	ng	0.00

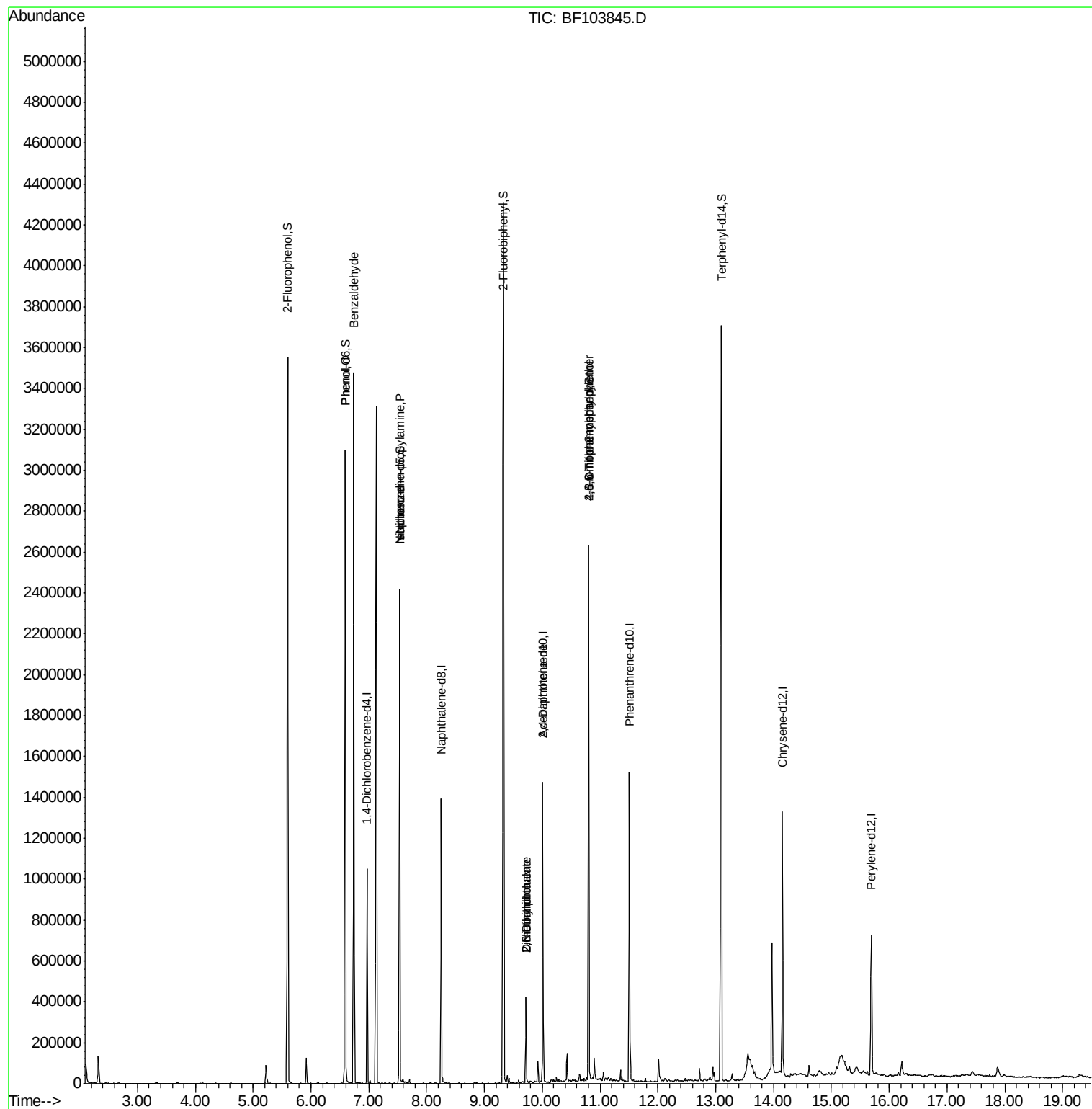
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1155006	119.07	ng	0.00
7) Phenol-d6	6.60	99	1409789	118.80	ng	0.00
23) Nitrobenzene-d5	7.53	82	869454	100.46	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	364944	148.85	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1425329	79.73	ng	0.00
78) Terphenyl-d14	13.10	244	1404199	82.35	ng	0.00

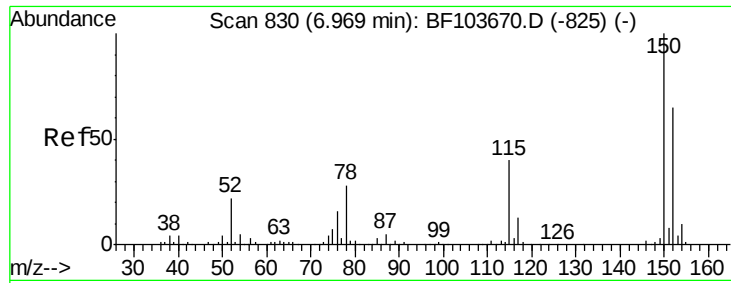
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	24849	3.187	ng	83
10) Phenol	6.60	94	39500	3.132	ng	95
19) n-Nitroso-di-n-propylamine	7.53	70	113862	14.971	ng	# 71
25) Isophorone	7.53	82	869448	43.397	ng	# 64
47) 2-Nitroaniline	9.72	65	1403	7.058	ng	# 1
49) Dimethylphthalate	9.72	163	150120	6.900	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1504	4.311	ng	# 29
56) 2,4-Dinitrotoluene	10.01	165	36445	12.164	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	803	8.580	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	21927	4.114	ng	# 1

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

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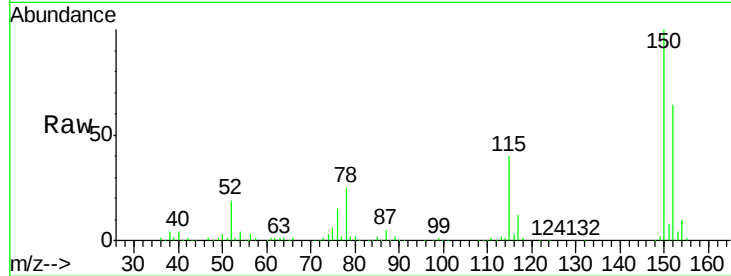




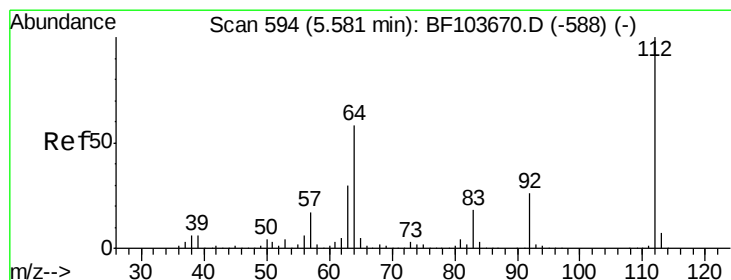
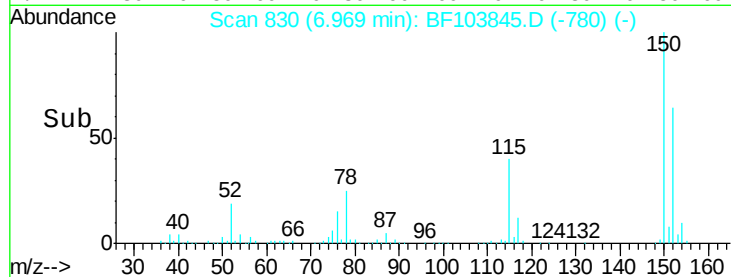
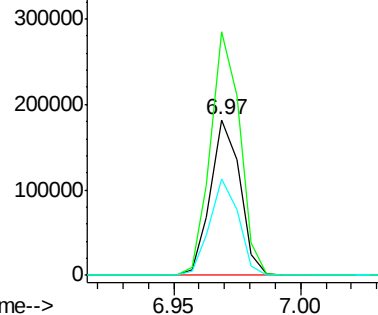
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103845.D
Acq: 22 Mar 2018 11:55

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	62.2	50.1	75.1



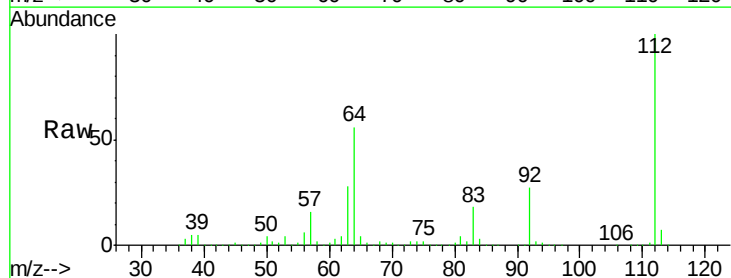
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



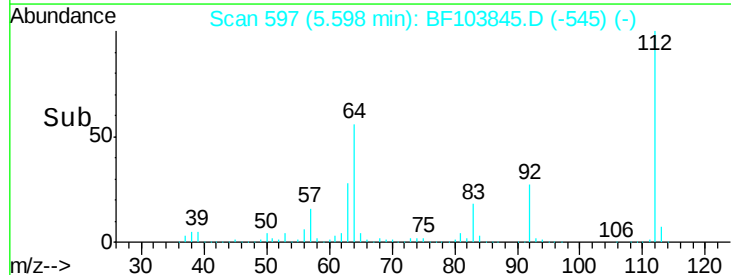
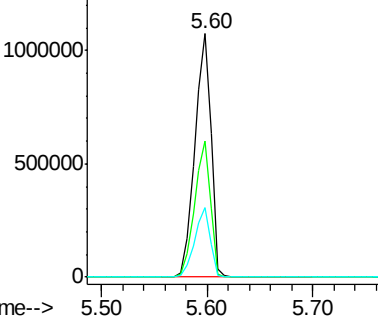
#5

2-Fluorophenol
Concen: 119.072 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103845.D
Acq: 22 Mar 2018 11:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	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: 118.796 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103845.D

Acq: 22 Mar 2018 11:55

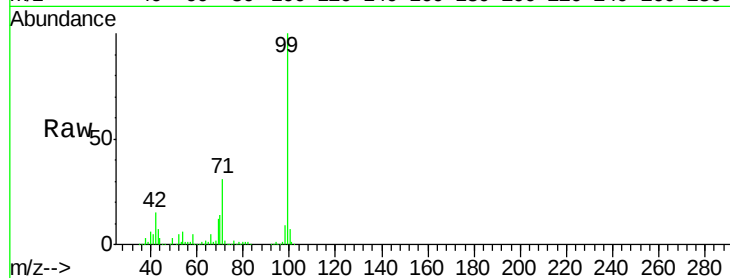
Tot Ion: 99 Resp: 1409789

Ion Ratio Lower Upper

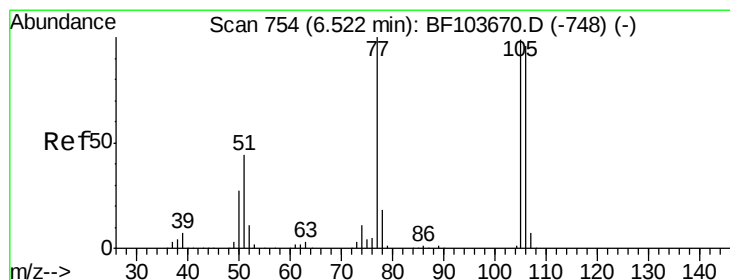
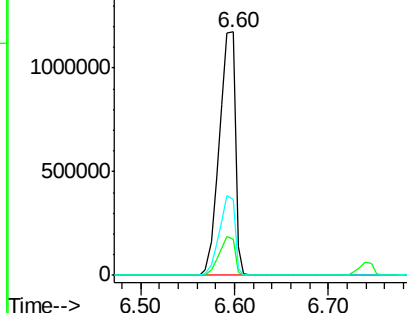
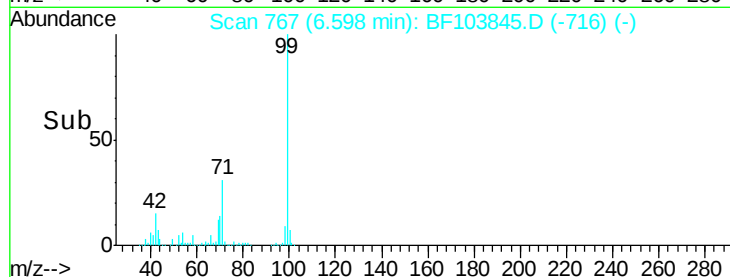
99 100

42 14.8 14.5 21.7

71 31.4 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



#9

Benzaldehyde

Concen: 3.187 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.21 min

Lab File: BF103845.D

Acq: 22 Mar 2018 11:55

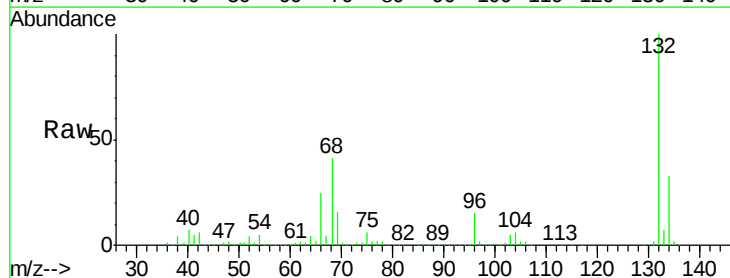
Tgt Ion: 77 Resp: 24849

Ion Ratio Lower Upper

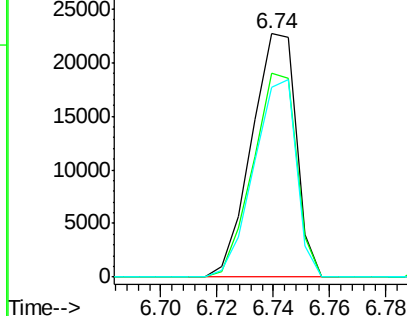
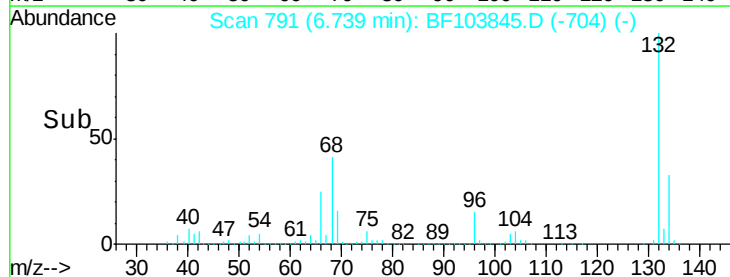
77 100

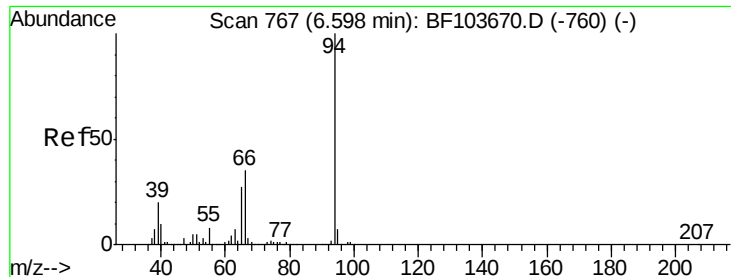
105 83.7 81.1 121.1

106 78.0 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





#10

Phenol

Concen: 3.132 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF103845.D

Acq: 22 Mar 2018 11:55

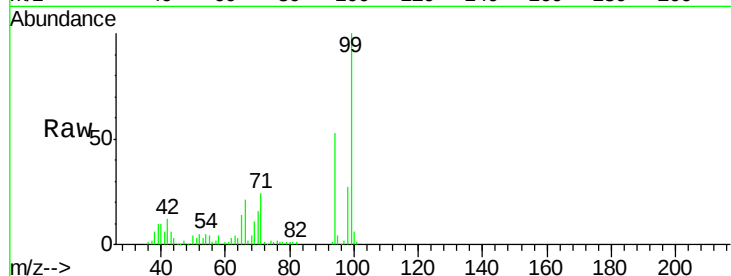
Tot Ion: 94 Resp: 39500

Ion Ratio Lower Upper

94 100

65 26.0 7.9 47.9

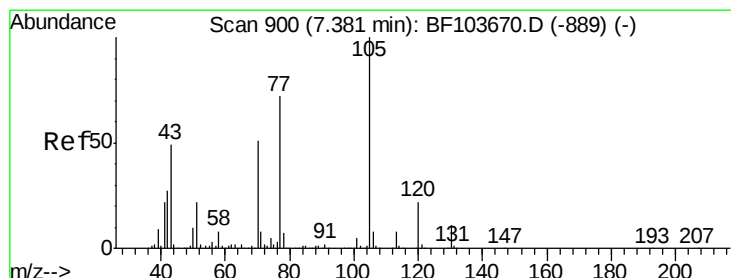
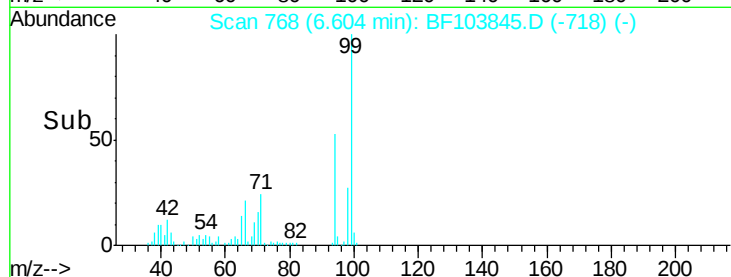
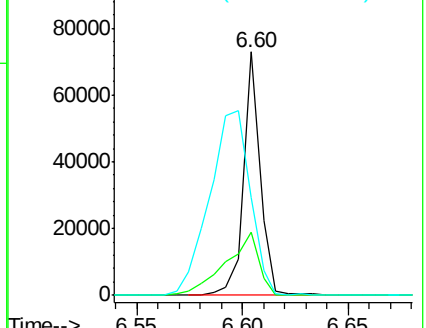
66 39.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.971 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103845.D

Acq: 22 Mar 2018 11:55

Tgt Ion: 70 Resp: 113862

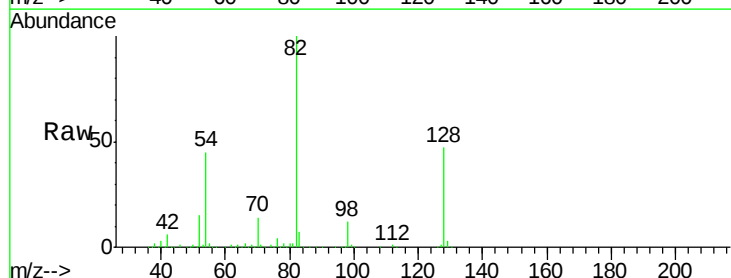
Ion Ratio Lower Upper

70 100

42 40.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

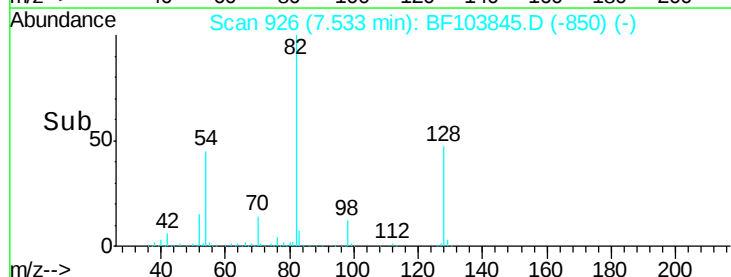
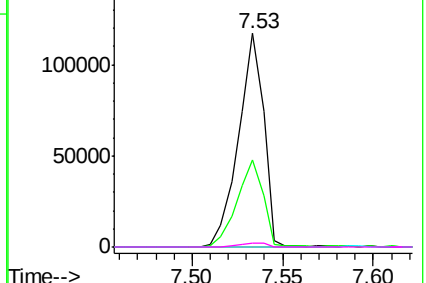


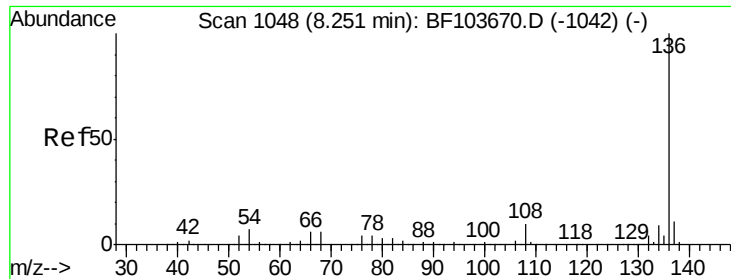
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF103845.D

Acq: 22 Mar 2018 11:55

Tot Ion:136 Resp: 603533

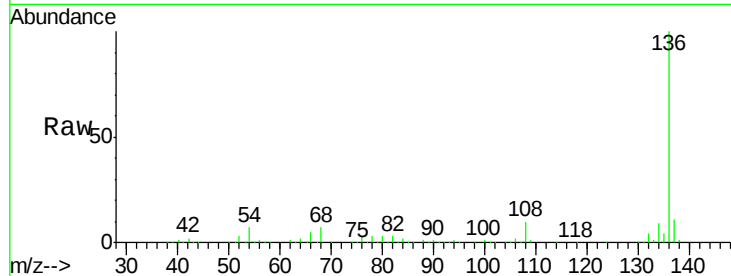
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 6.6 5.0 7.4

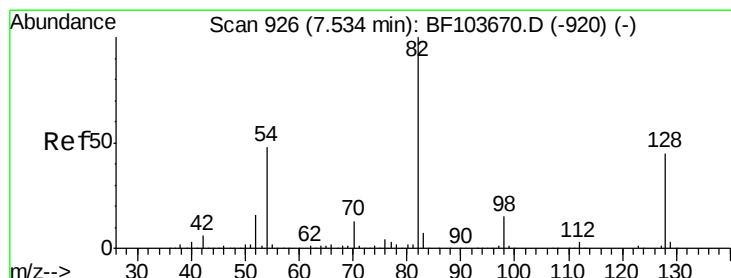
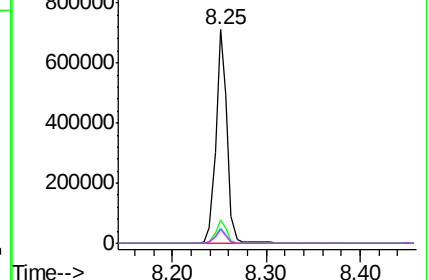
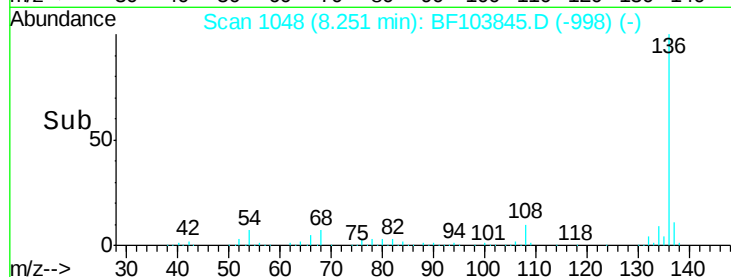


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.462 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103845.D

Acq: 22 Mar 2018 11:55

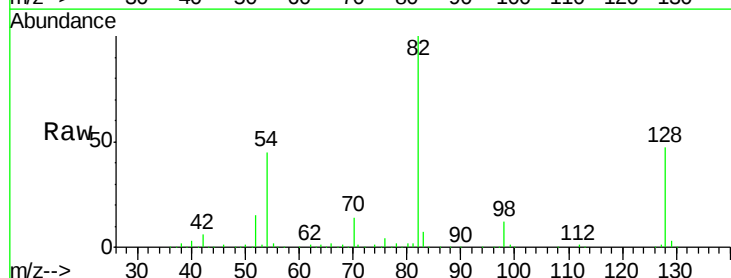
Tgt Ion: 82 Resp: 869454

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

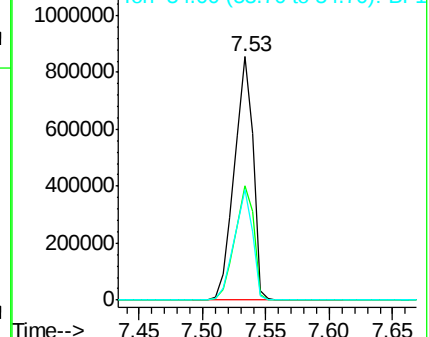
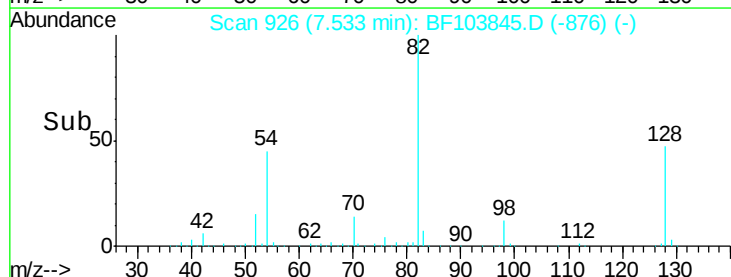
54 45.2 41.4 62.2

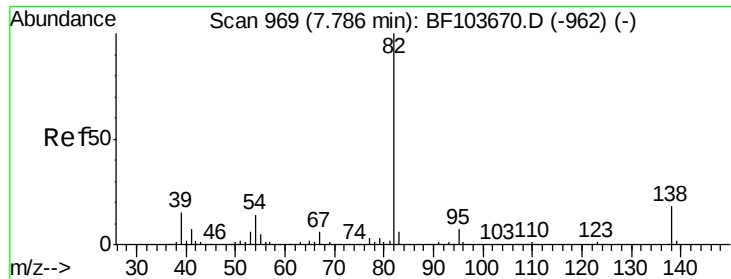


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.397 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103845.D

Acq: 22 Mar 2018 11:55

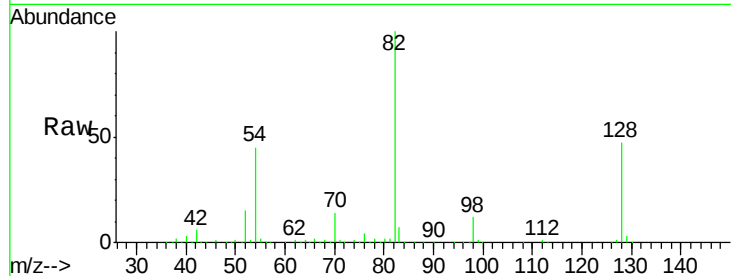
Tot Ion: 82 Resp: 869448

Ion Ratio Lower Upper

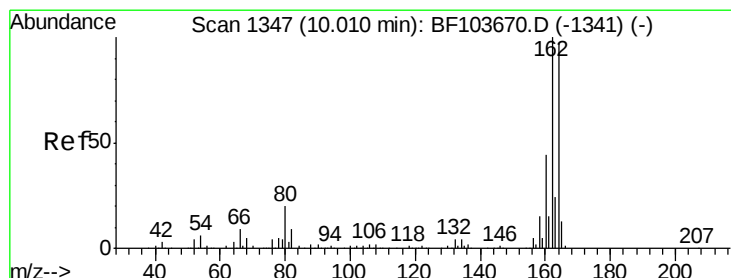
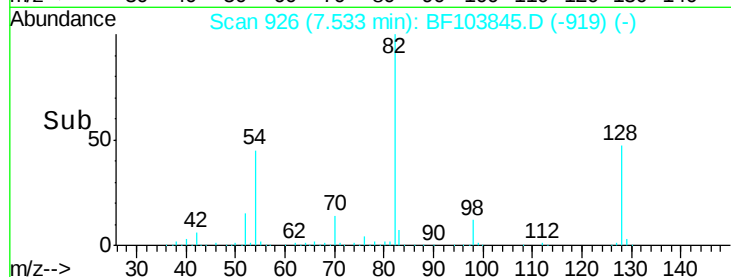
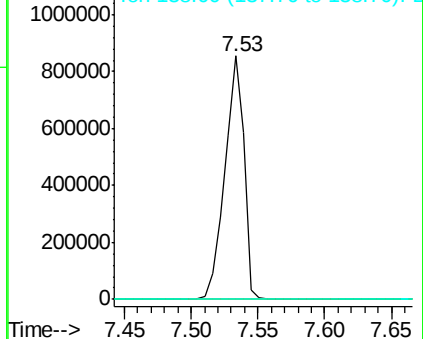
82 100

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: BF103845.D

Acq: 22 Mar 2018 11:55

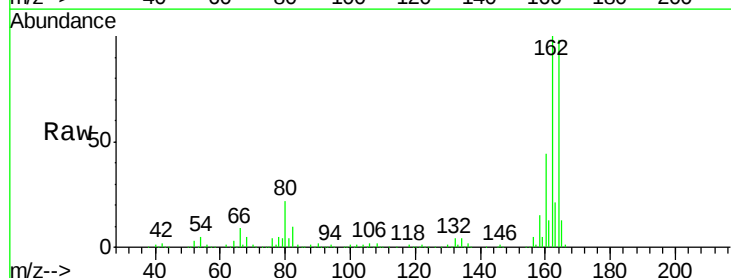
Tgt Ion:164 Resp: 285157

Ion Ratio Lower Upper

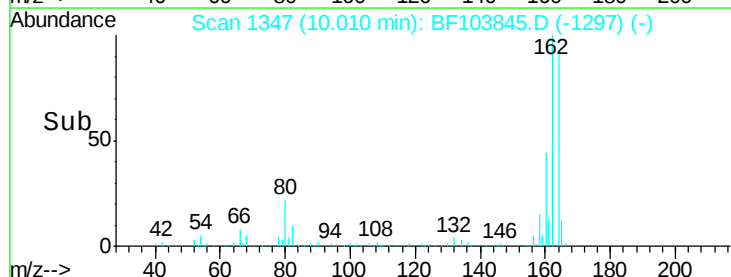
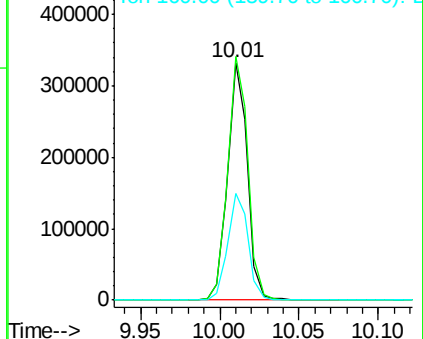
164 100

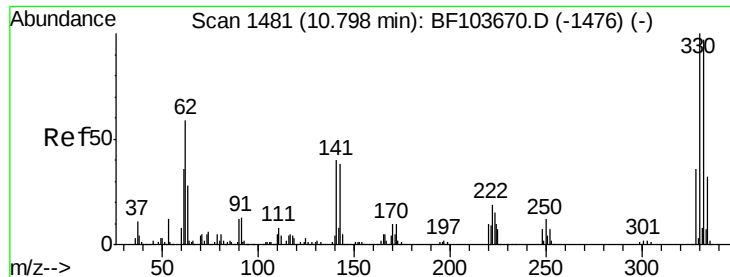
162 102.4 86.1 129.1

160 44.9 38.3 57.5



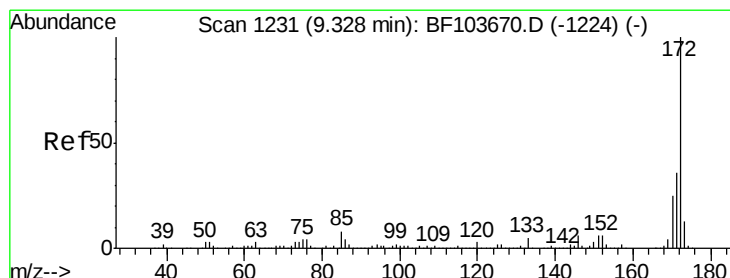
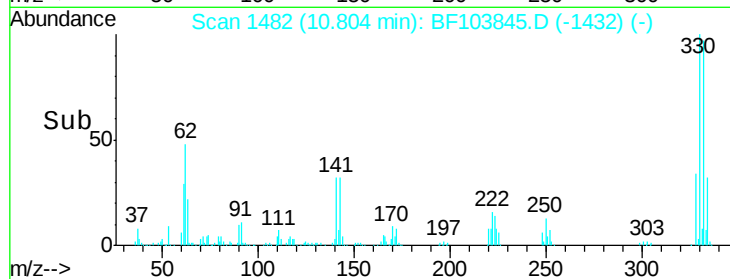
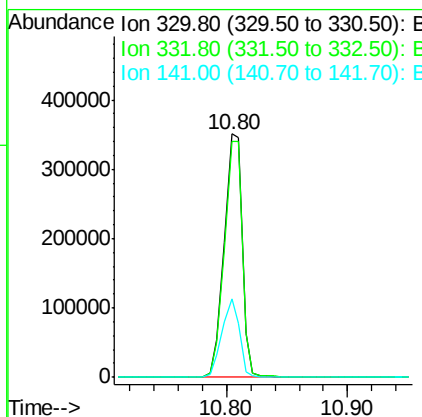
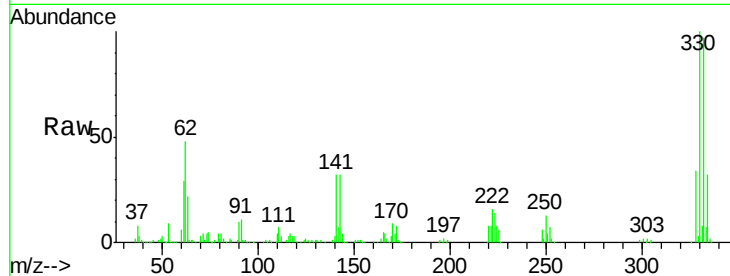
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





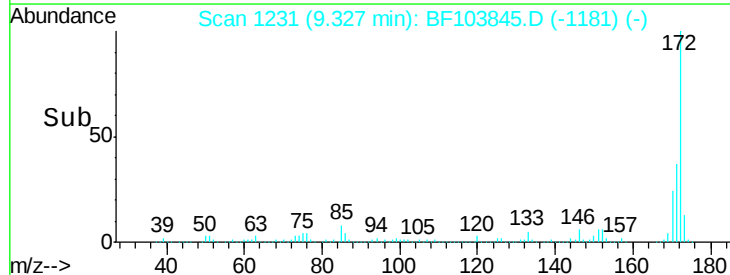
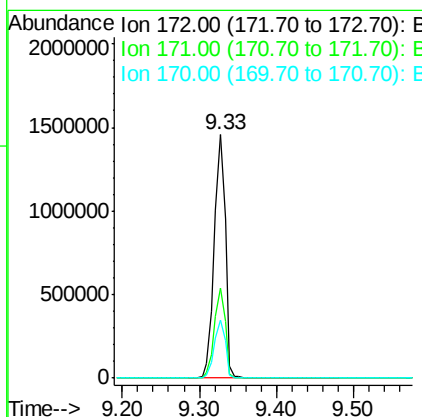
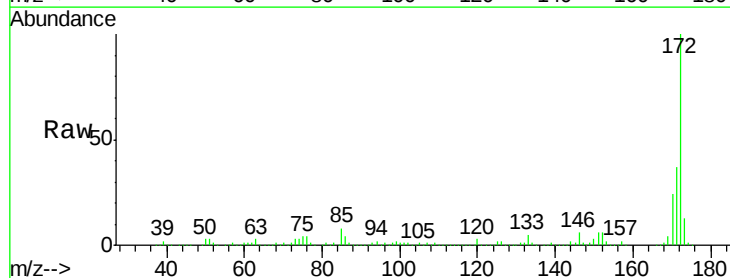
#41
 2,4,6-Tribromophenol
 Concen: 148.848 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103845.D
 Acq: 22 Mar 2018 11:55

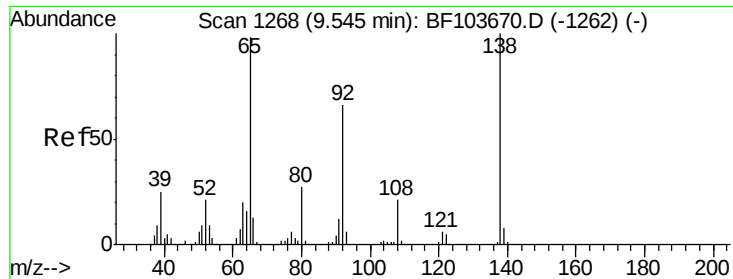
Tot Ion	330	Resp	364944
Ion Ratio	100		
Lower	77.0		
Upper	115.6		
332	97.0		
141	31.3		
	29.9		
	44.9		



#44
 2-Fluorobiphenyl
 Concen: 79.732 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103845.D
 Acq: 22 Mar 2018 11:55

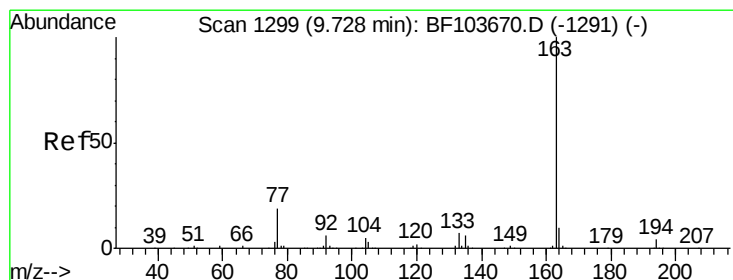
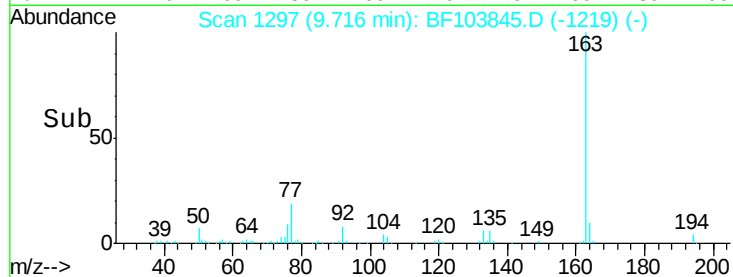
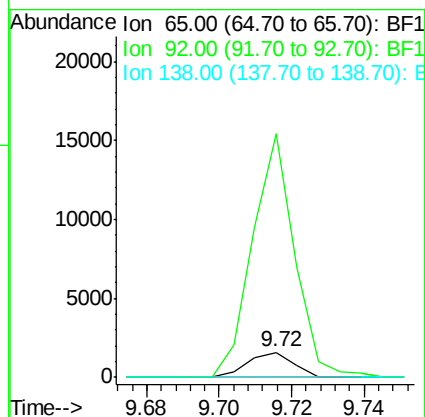
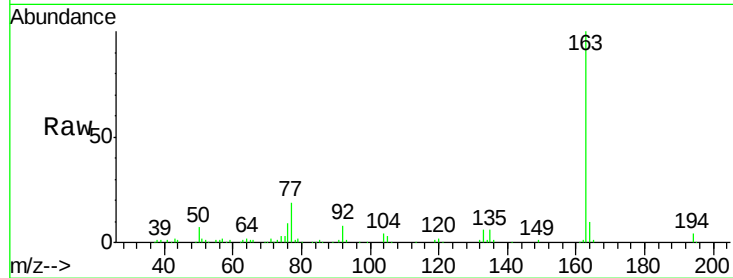
Tgt Ion	172	Resp	1425329
Ion Ratio	100		
Lower	29.7		
Upper	44.5		
171	36.8		
170	24.0		
	19.6		
	29.4		





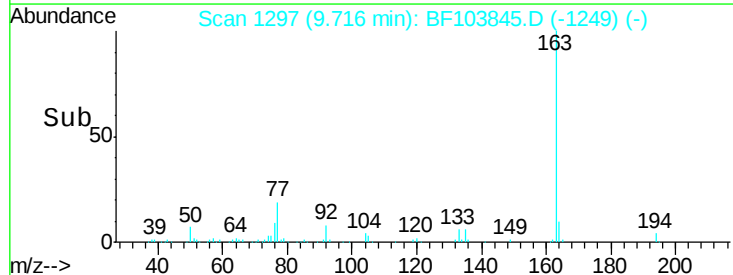
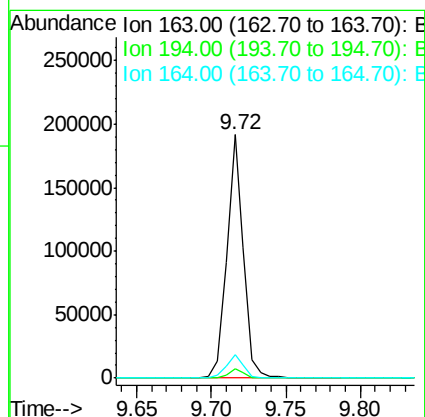
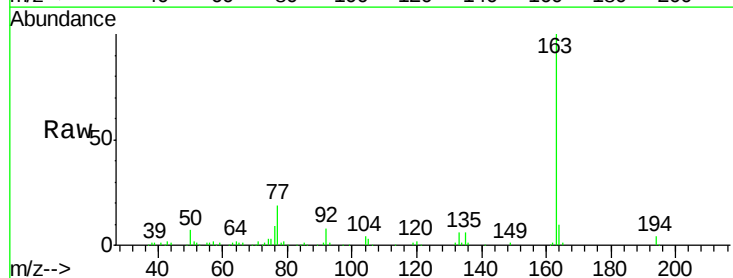
#47
2-Nitroaniline
Concen: 7.058 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.16 min
Lab File: BF103845.D
Acq: 22 Mar 2018 11:55

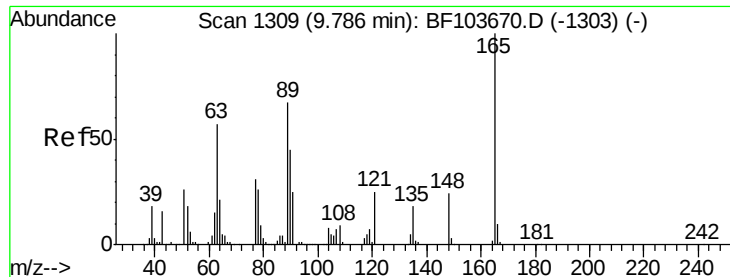
Tot Ion: 65 Resp: 1403
Ion Ratio Lower Upper
65 100
92 967.0 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 6.900 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103845.D
Acq: 22 Mar 2018 11:55

Tgt Ion: 163 Resp: 150120
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.7 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 4.311 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF103845.D

Acq: 22 Mar 2018 11:55

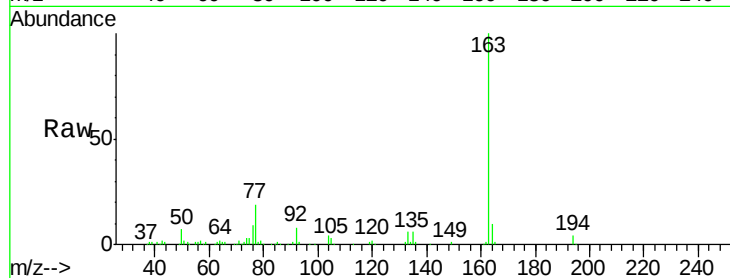
Tot Ion:165 Resp: 1504

Ion Ratio Lower Upper

165 100

63 123.1 44.7 67.1#

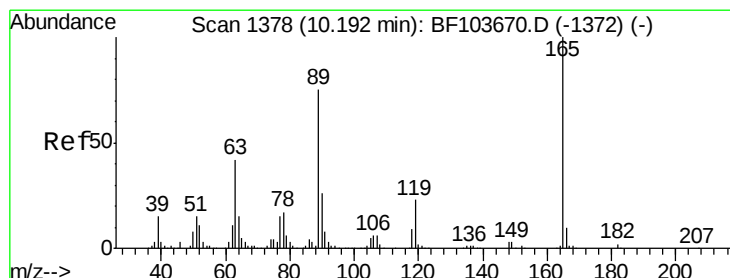
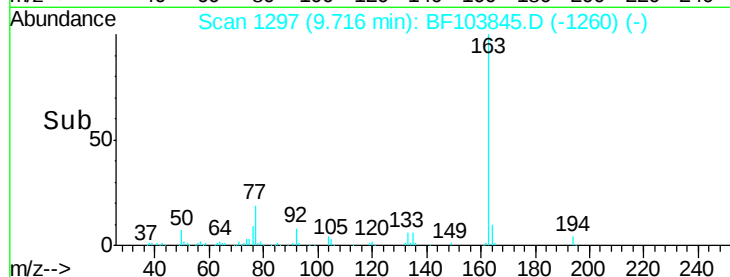
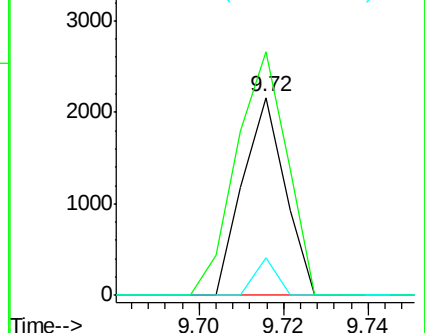
89 19.2 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 12.164 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.19 min

Lab File: BF103845.D

Acq: 22 Mar 2018 11:55

Tgt Ion:165 Resp: 36445

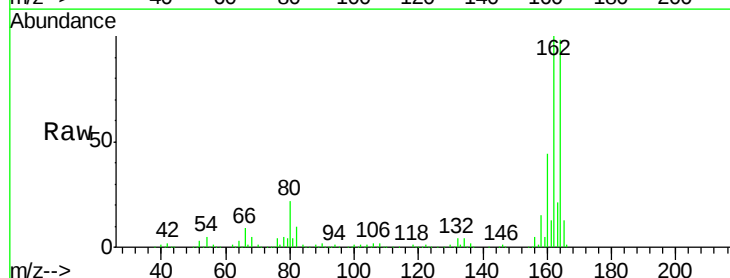
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.0 57.8 86.6#

182 0.0 1.6 2.4#

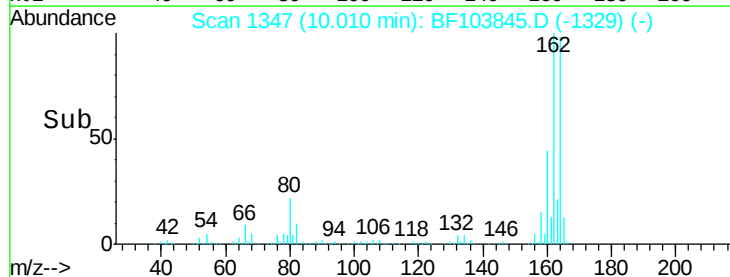
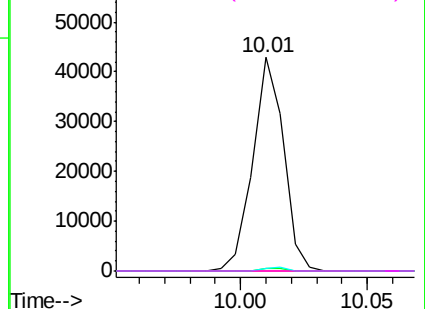


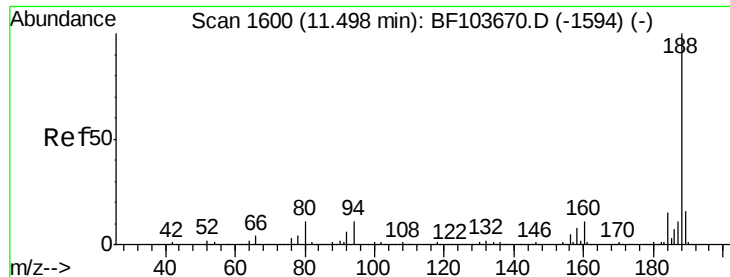
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

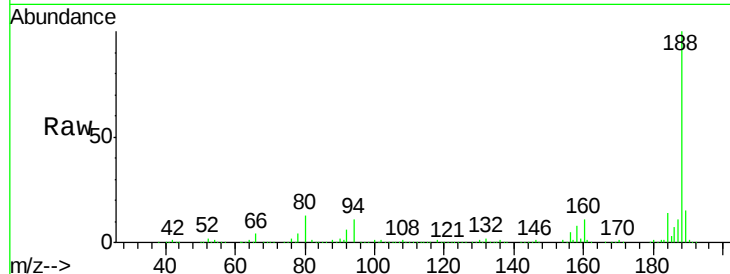
Ion 182.00 (181.70 to 182.70): E





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103845.D
Acq: 22 Mar 2018 11:55

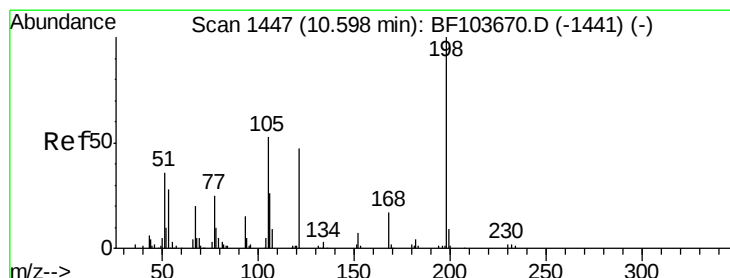
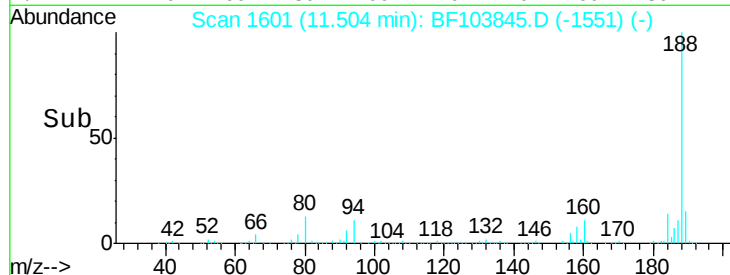
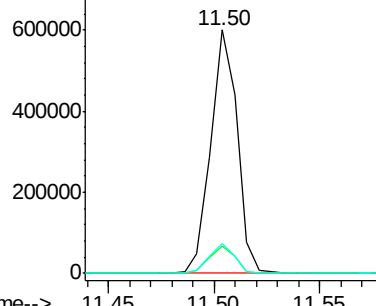
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.5	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

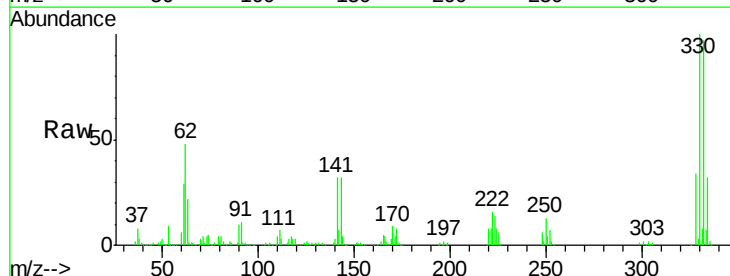
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64
4,6-Dinitro-2-methylphenol
Concen: 8.580 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103845.D
Acq: 22 Mar 2018 11:55

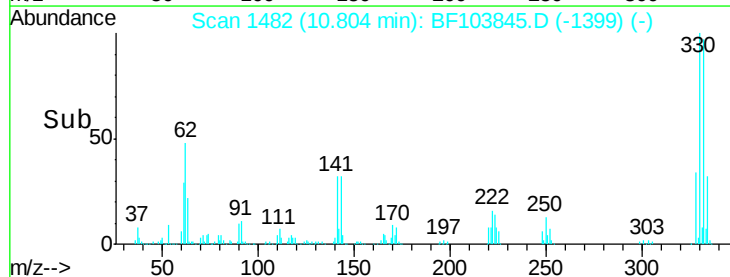
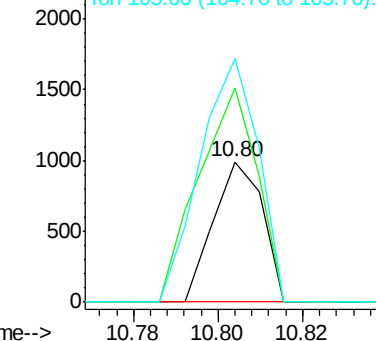
Tgt Ion	Ratio	Lower	Upper
198	100		
51	153.2	37.7	77.7#
105	173.7	36.3	76.3#

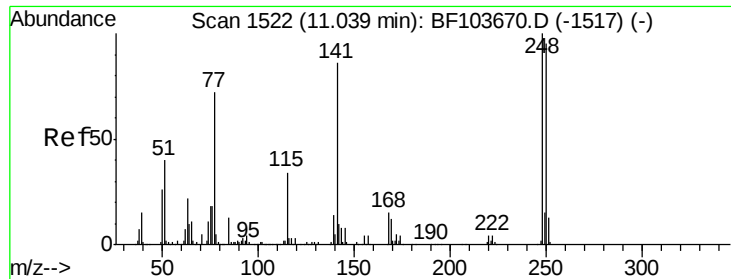


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

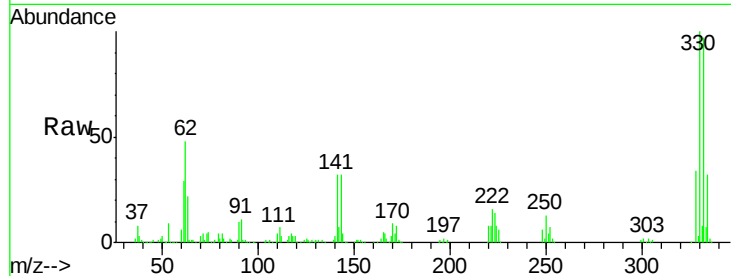
Ion 105.00 (104.70 to 105.70): E



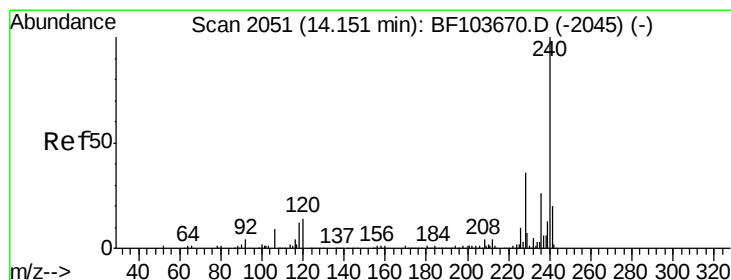
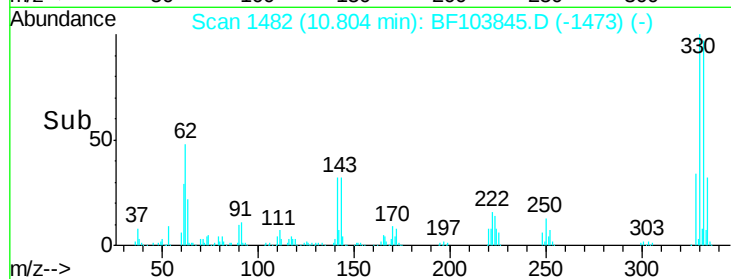
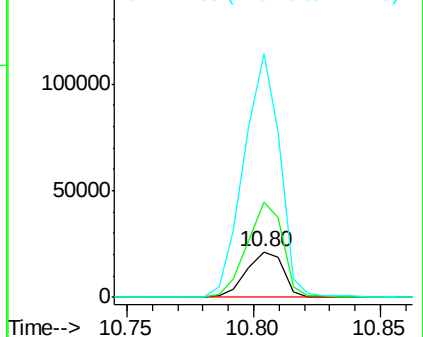


#66
4-Bromophenyl-phenylether
Concen: 4.114 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103845.D
Acq: 22 Mar 2018 11:55

Tot Ion:248 Resp: 21927
Ion Ratio Lower Upper
248 100
250 206.6 76.9 115.3#
141 531.0 74.4 111.6#

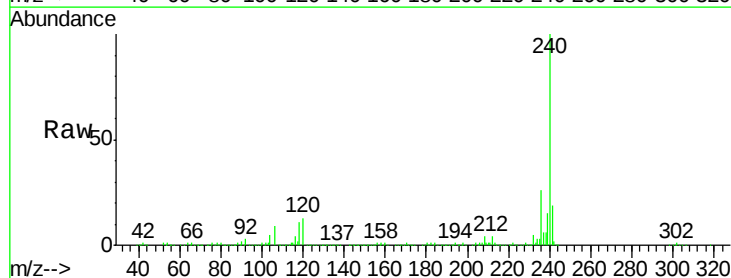


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

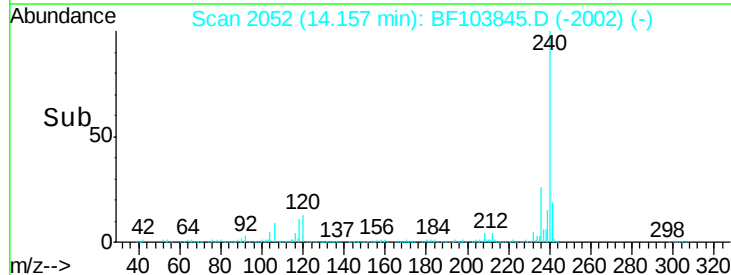
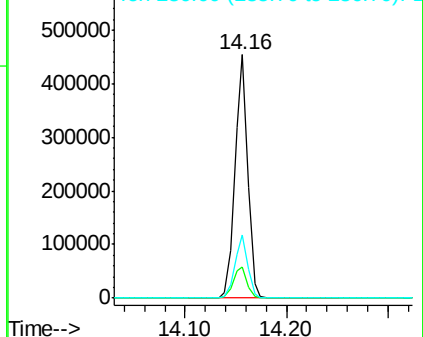


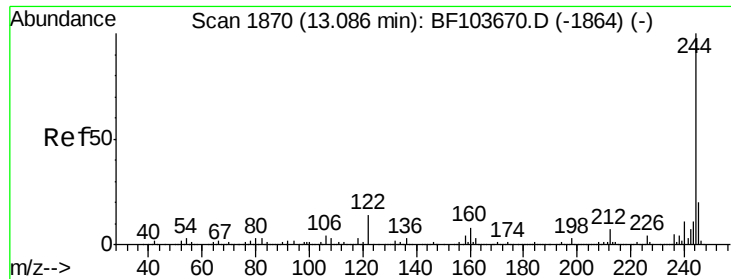
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF103845.D
Acq: 22 Mar 2018 11:55

Tgt Ion:240 Resp: 395802
Ion Ratio Lower Upper
240 100
120 13.0 9.5 14.3
236 25.8 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

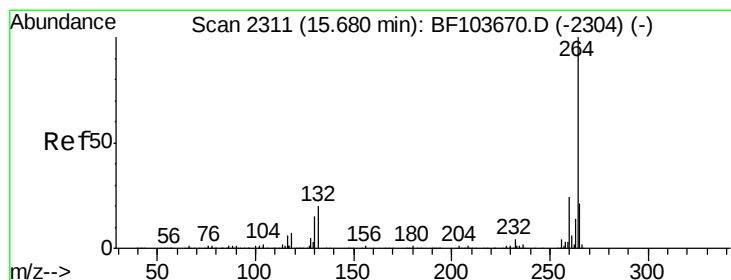
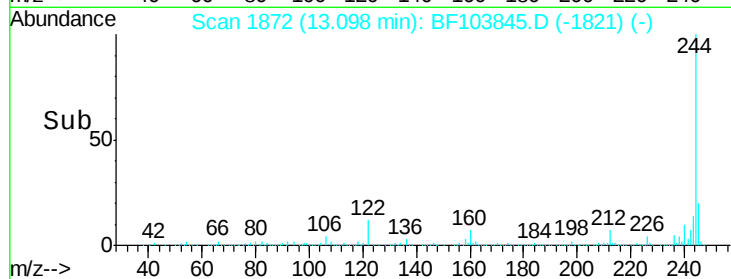
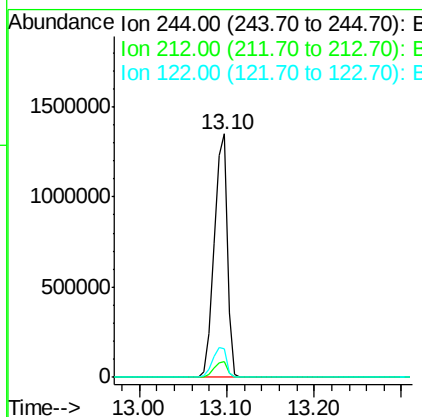
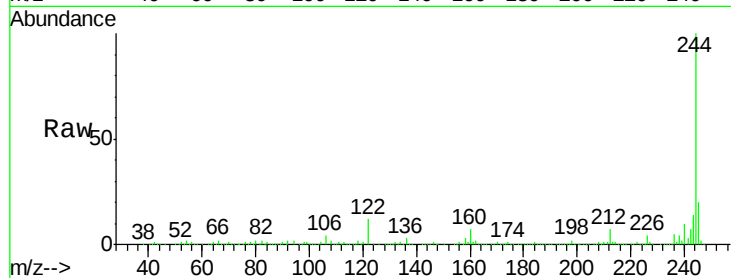




#78
 Terphenyl-d14
 Concen: 82.348 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BF103845.D
 Acq: 22 Mar 2018 11:55

Tot Ion:244 Resp: 1404199

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.9	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF103845.D
 Acq: 22 Mar 2018 11:55

Tgt Ion:264 Resp: 321388

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.2	17.5	26.3

