

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031700.D
 Acq On : 22 Dec 2017 8:01
 Operator : SJ/JU
 Sample : I6681-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 08:39:11 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:38:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	53069	20.00	ng	-0.01
21) Naphthalene-d8	11.72	136	210804	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	139534	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	375610	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	463287	20.00	ng	-0.02
86) Perylene-d12	26.34	264	461532	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.25	112	389854	133.80	ng	0.00
7) Phenol-d6	7.92	99	438168	115.83	ng	0.00
23) Nitrobenzene-d5	10.02	82	284762	102.00	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	343101	161.15	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1022535	91.98	ng	0.00
78) Terphenyl-d14	20.73	244	1961293	96.72	ng	0.00

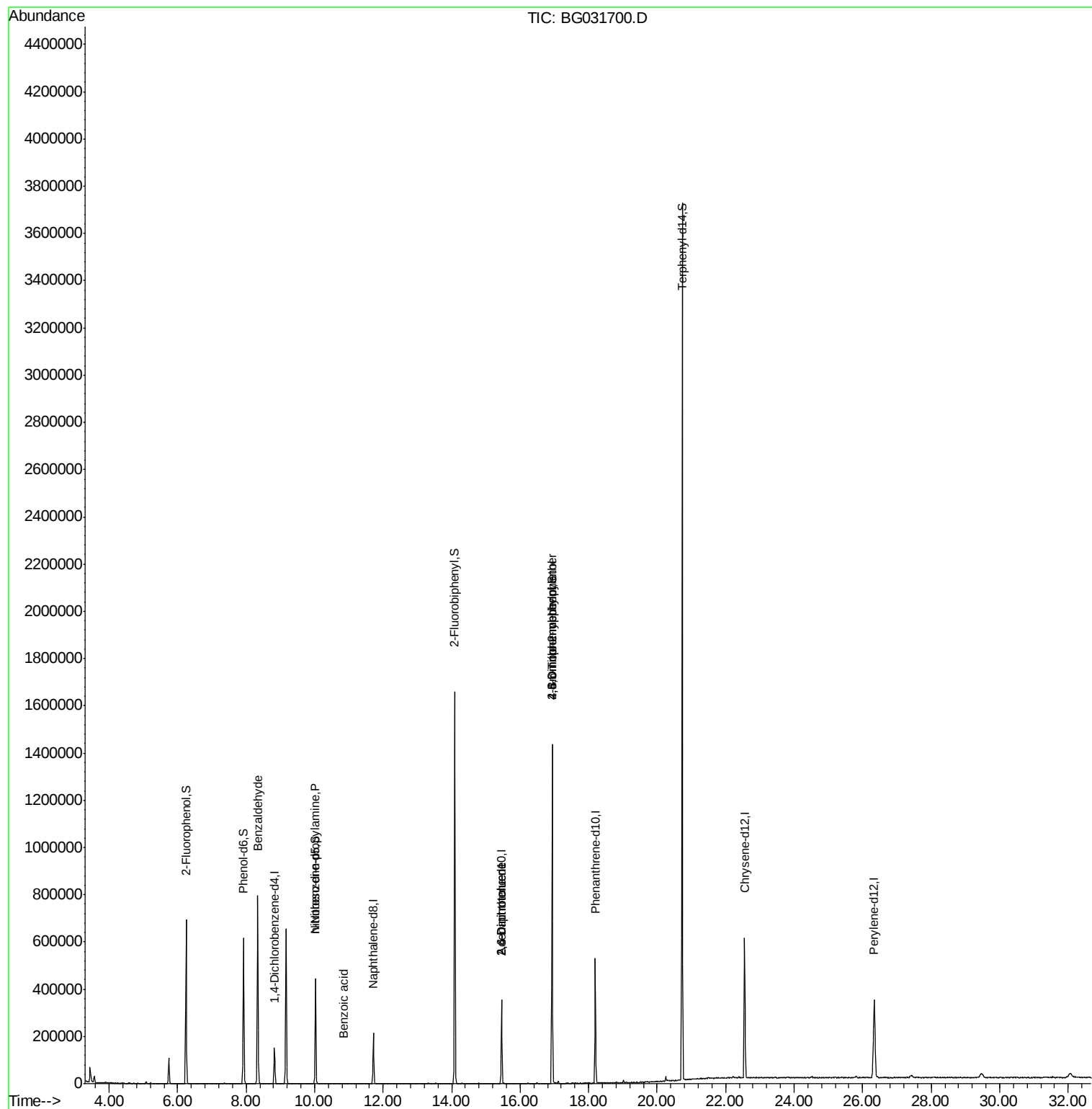
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	8.33	77	9032	3.965	ng	91
19) n-Nitroso-di-n-propylamine	10.02	70	37517	14.522	ng	# 72
32) Benzoic acid	10.86	122	226	6.784	ng	# 82
50) 2,6-Dinitrotoluene	15.46	165	18308	8.096	ng	# 18
56) 2,4-Dinitrotoluene	15.46	165	18308	6.296	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.93	198	848	8.690	ng	# 50
66) 4-Bromophenyl-phenylether	16.93	248	28077	5.169	ng	# 1

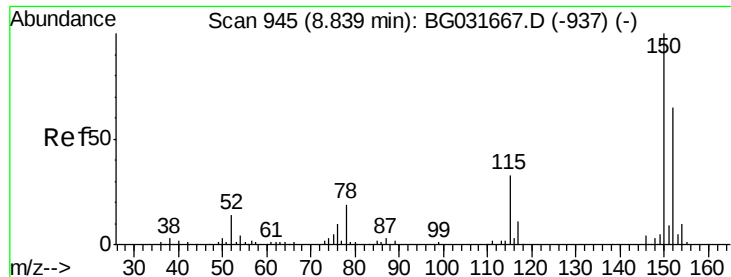
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031700.D
Acq On : 22 Dec 2017 8:01
Operator : SJ/JU
Sample : I6681-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 22 08:39:11 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:38:35 2017
Response via : Initial Calibration



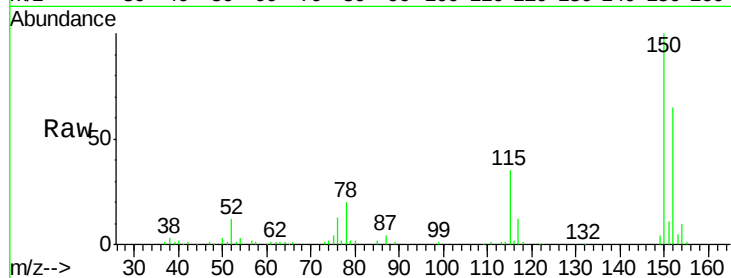


#1

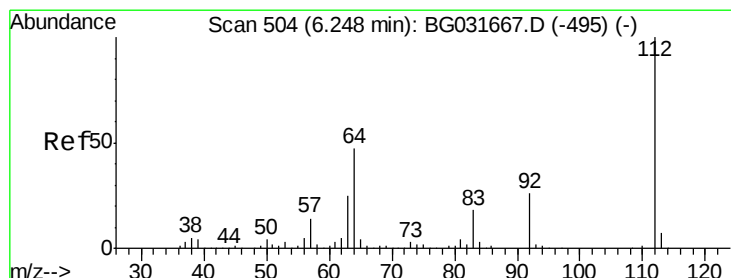
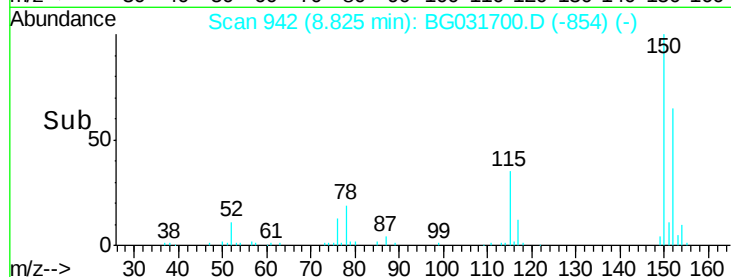
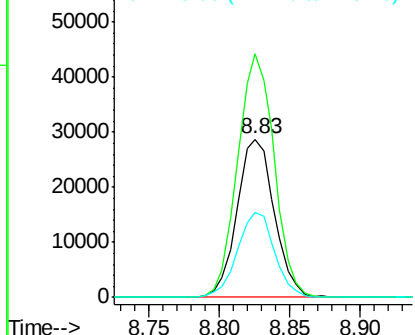
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: BG031700.D
Acq: 22 Dec 2017 8:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.6	189.8
115	53.8	53.0	79.4



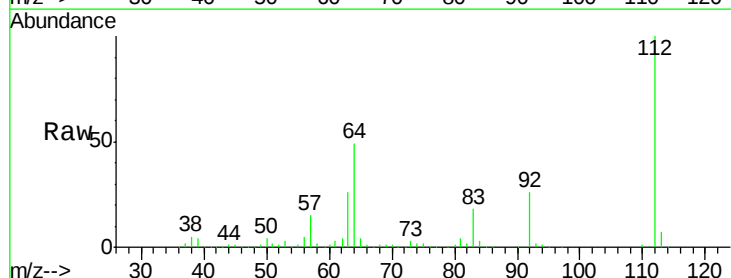
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



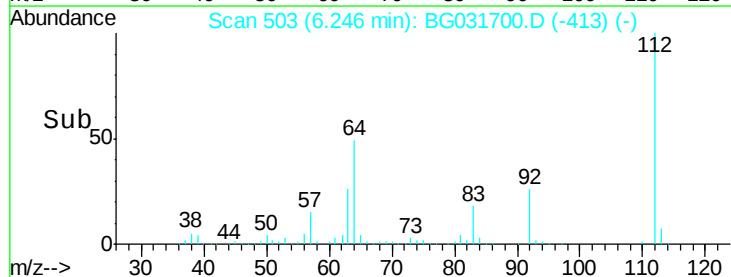
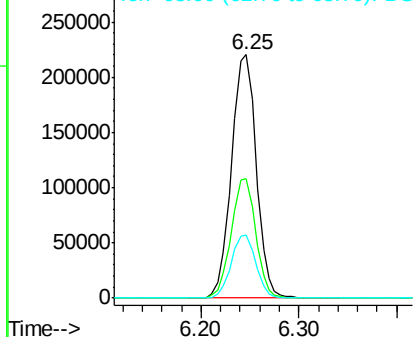
#5

2-Fluorophenol
Concen: 133.802 ng
RT: 6.25 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031700.D
Acq: 22 Dec 2017 8:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.8	56.3	84.5#
63	25.9	30.1	45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 115.829 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031700.D

Acq: 22 Dec 2017 8:01

Instrument :

BNA_G

ClientSampleId :

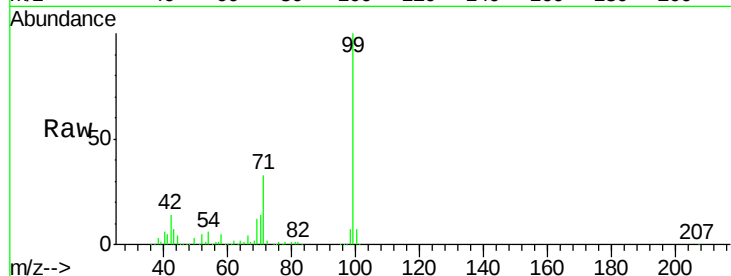
Tot Ion: 99 Resp: 438168

Ion Ratio Lower Upper

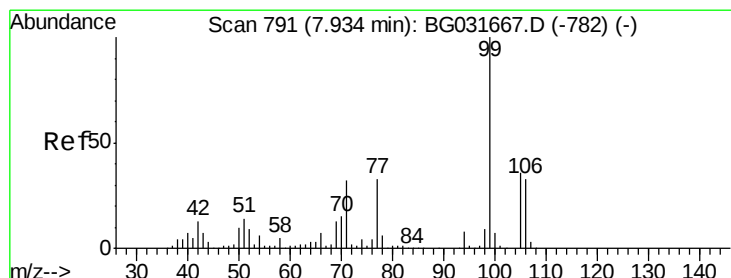
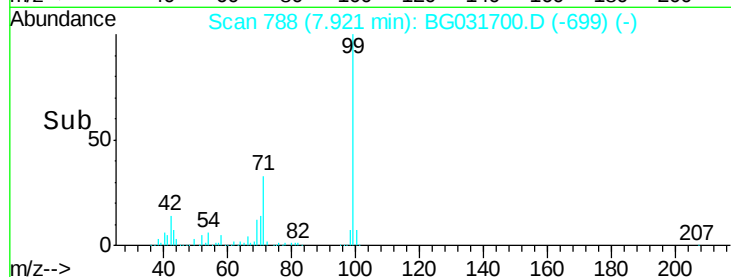
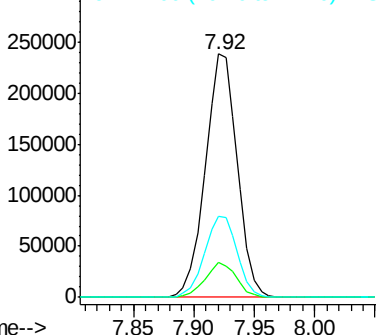
99 100

42 14.2 14.1 21.1

71 33.3 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 3.965 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.40 min

Lab File: BG031700.D

Acq: 22 Dec 2017 8:01

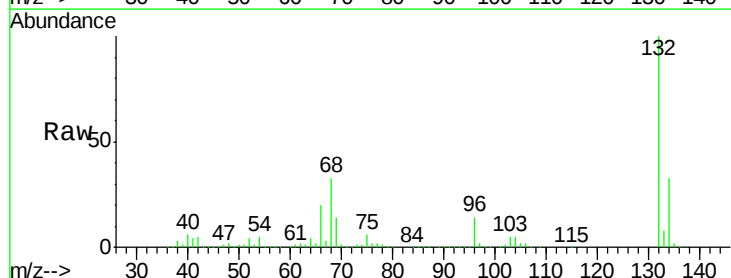
Tgt Ion: 77 Resp: 9032

Ion Ratio Lower Upper

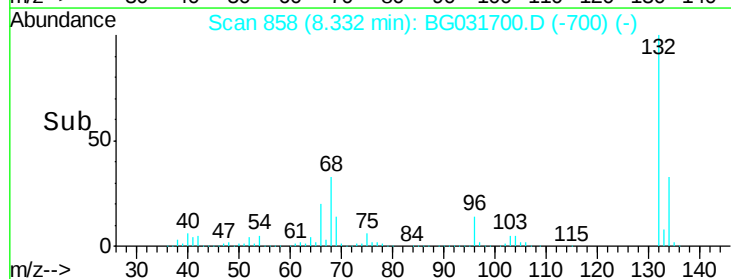
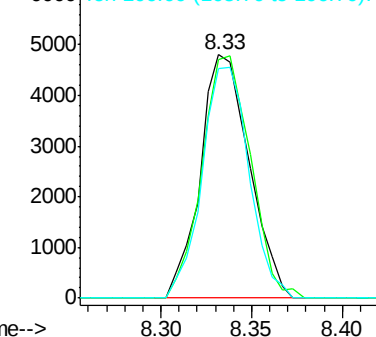
77 100

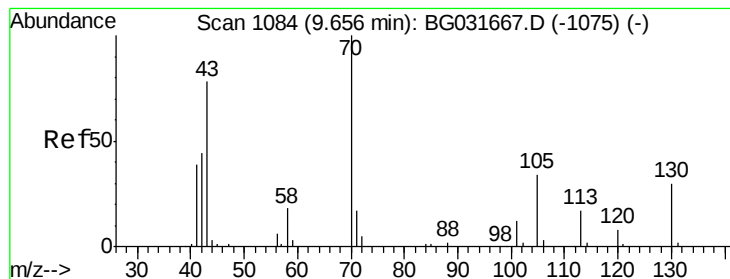
105 97.8 71.3 111.3

106 94.2 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.522 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.37 min

Lab File: BG031700.D

Acq: 22 Dec 2017 8:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 37517

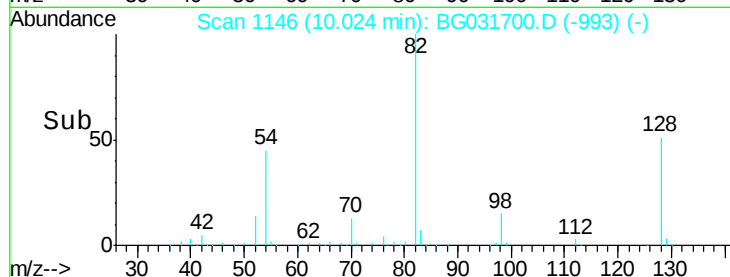
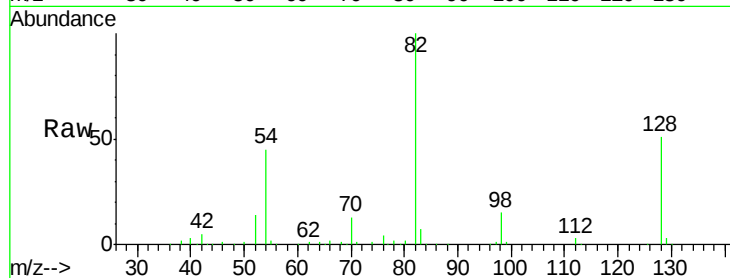
Ion Ratio Lower Upper

70 100

42 40.9 49.1 73.7#

101 0.0 8.5 12.7#

130 3.0 13.4 20.0#



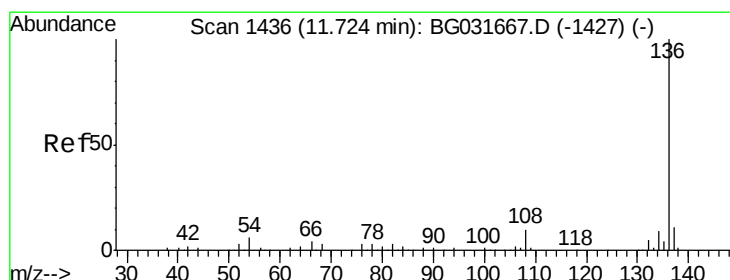
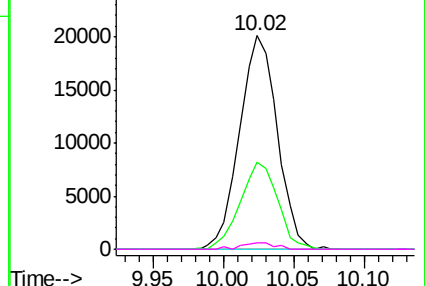
Abundance Ion 70.00 (69.70 to 70.70): BG031700.D

Ion 42.00 (41.70 to 42.70): BG031700.D

Ion 101.00 (100.70 to 101.70): BG031700.D

Ion 130.00 (129.70 to 130.70): BG031700.D

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.72 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031700.D

Acq: 22 Dec 2017 8:01

Tgt Ion: 136 Resp: 210804

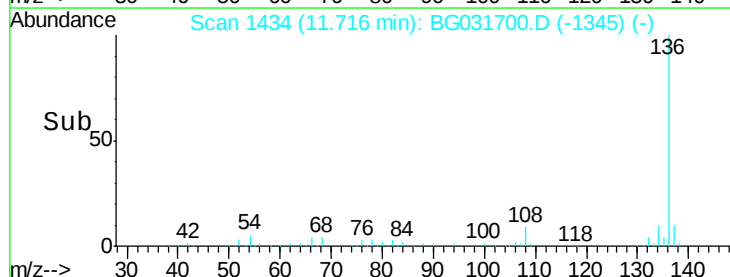
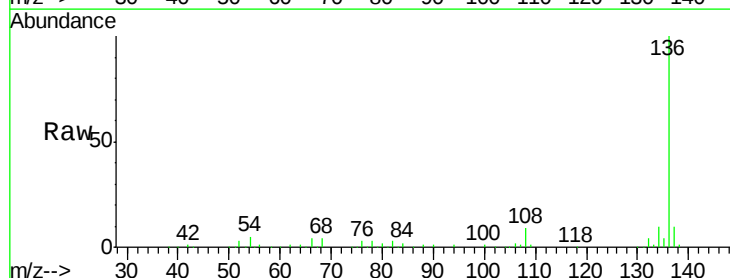
Ion Ratio Lower Upper

136 100

137 9.9 9.2 13.8

54 4.8 10.3 15.5#

68 3.6 4.5 6.7#



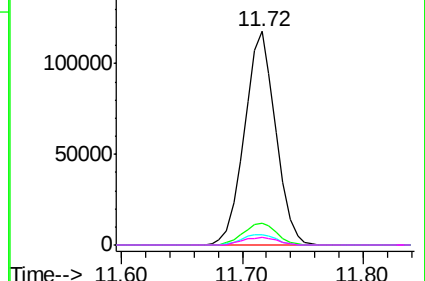
Abundance Ion 136.00 (135.70 to 136.70): BG031700.D

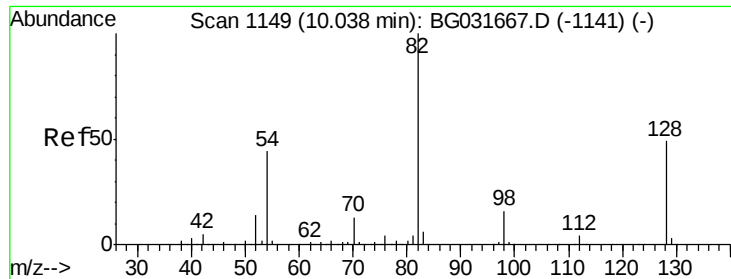
Ion 137.00 (136.70 to 137.70): BG031700.D

Ion 54.00 (53.70 to 54.70): BG031700.D

Ion 68.00 (67.70 to 68.70): BG031700.D

Time-->

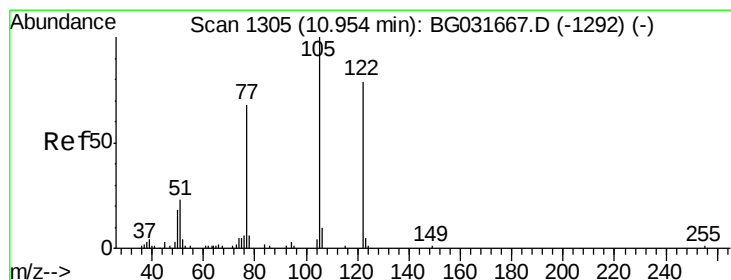
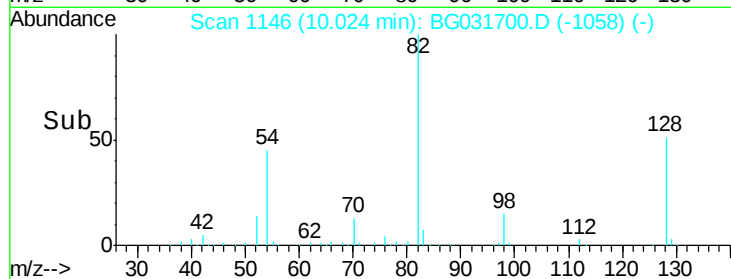
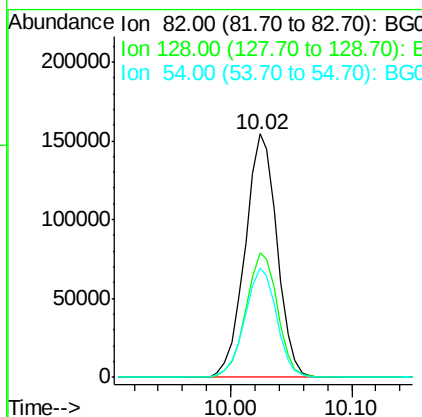
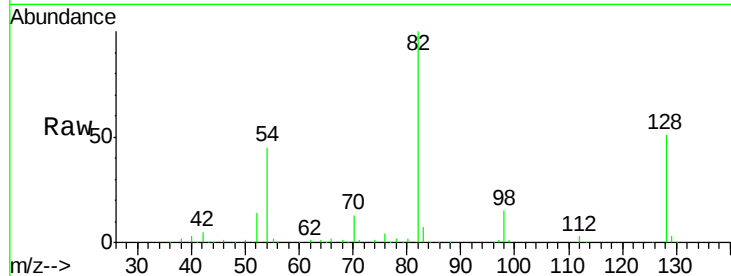




#23
 Nitrobenzene-d5
 Concen: 102.005 ng
 RT: 10.02 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BG031700.D
 Acq: 22 Dec 2017 8:01

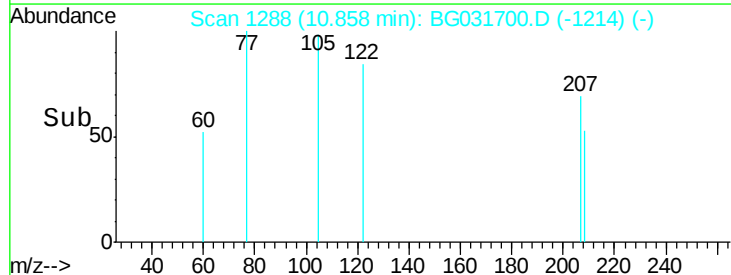
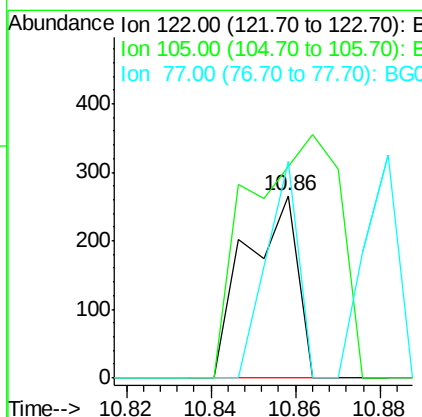
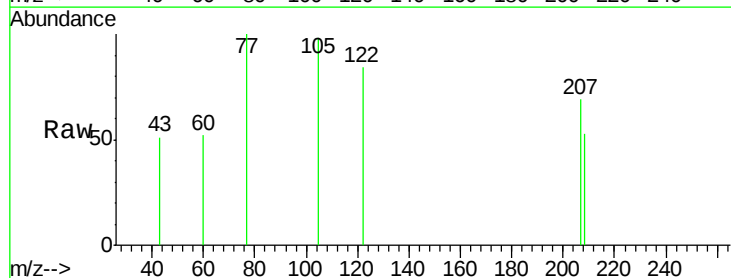
Instrument :
 BNA_G
 ClientSampled :

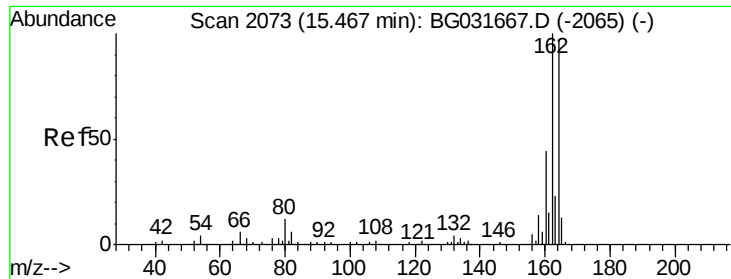
Tot Ion	82	Resp	284762
Ion Ratio	100	Lower	Upper
128	51.1	29.7	44.5#
54	45.1	43.1	64.7



#32
 Benzoic acid
 Concen: 6.784 ng
 RT: 10.86 min Scan# 1288
 Delta R.T. -0.10 min
 Lab File: BG031700.D
 Acq: 22 Dec 2017 8:01

Tgt Ion	122	Resp	226
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	115.8	123.5	163.5#
77	118.4	85.7	125.7

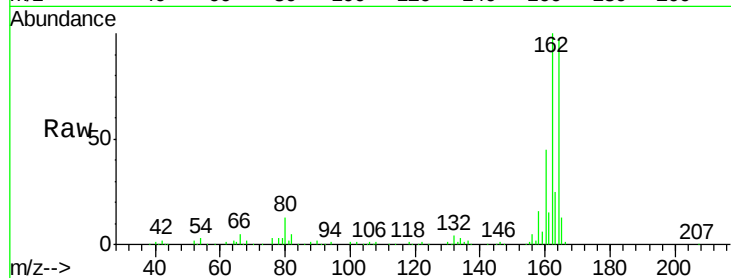




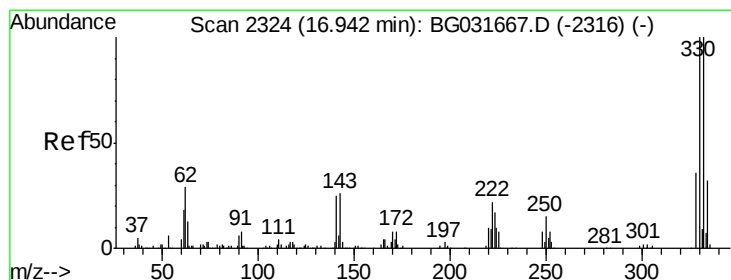
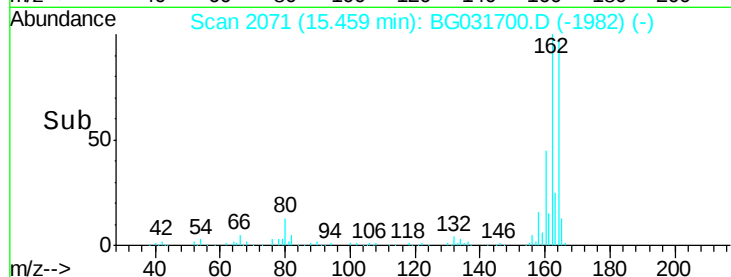
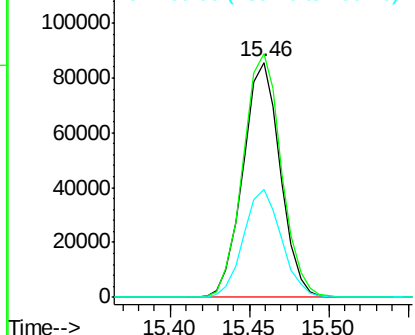
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031700.D
Acq: 22 Dec 2017 8:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 139534
Ion Ratio Lower Upper
164 100
162 103.6 78.8 118.2
160 46.1 35.4 53.0

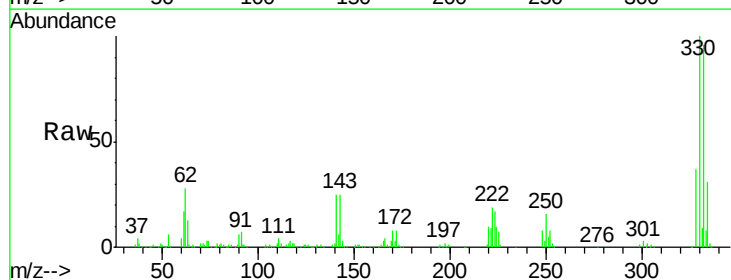


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

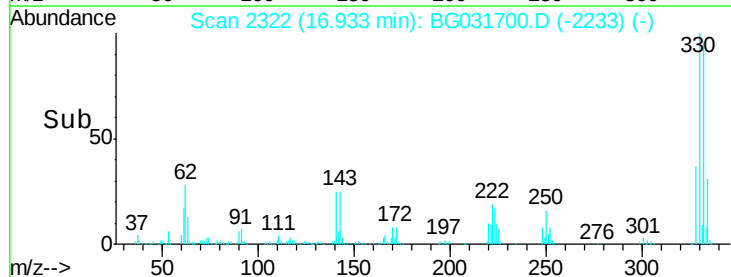
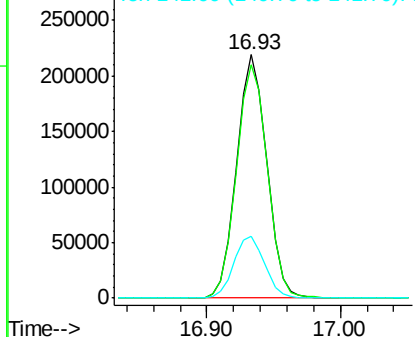


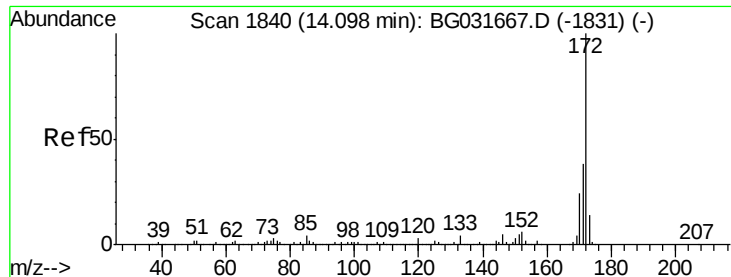
#41
2,4,6-Tribromophenol
Concen: 161.149 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.01 min
Lab File: BG031700.D
Acq: 22 Dec 2017 8:01

Tgt Ion:330 Resp: 343101
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 26.1 25.2 37.8



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

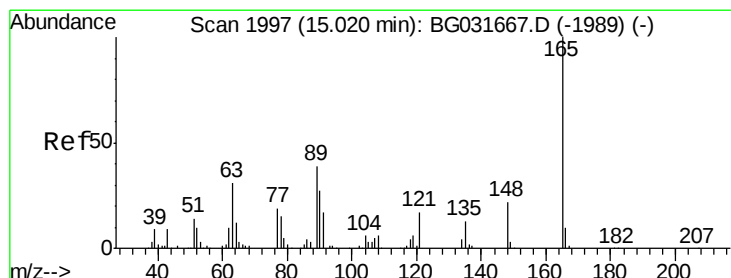
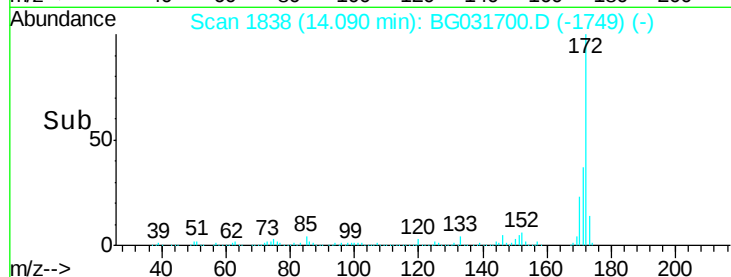
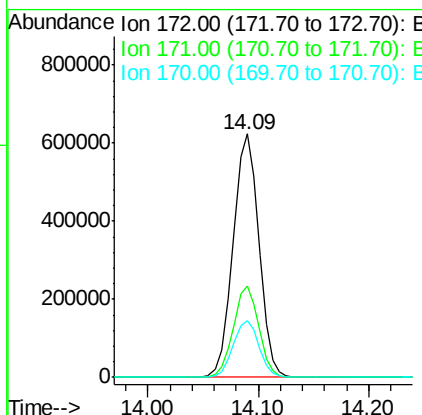
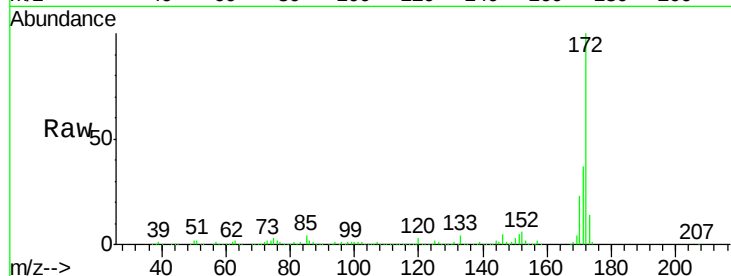




#44
 2-Fluorobiphenyl
 Concen: 91.979 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031700.D
 Acq: 22 Dec 2017 8:01

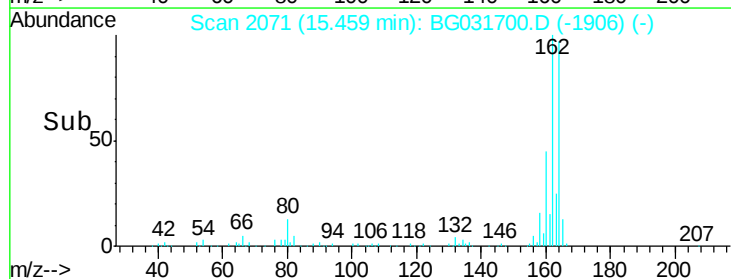
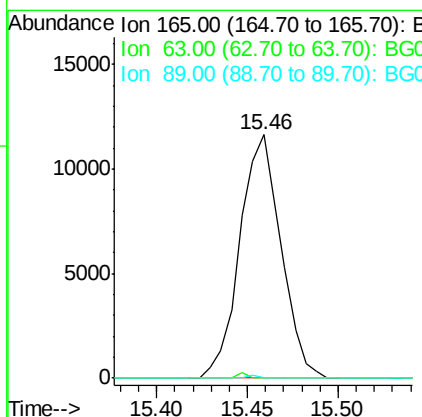
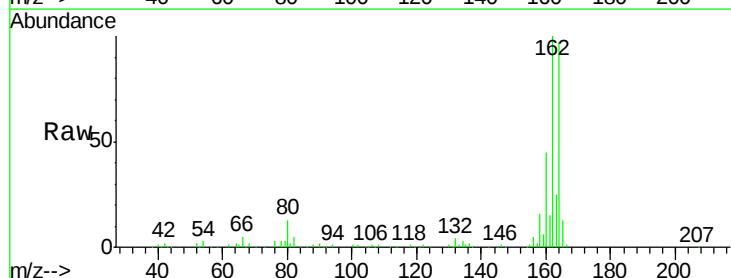
Instrument :
 BNA_G
 ClientSampleId :

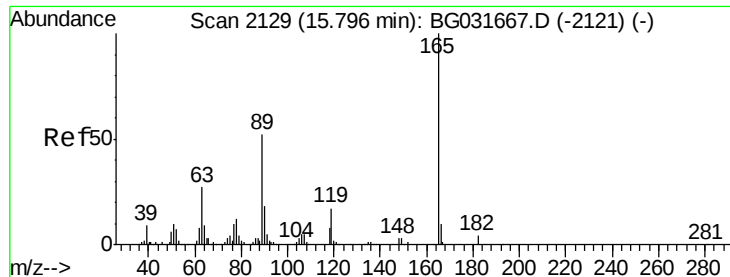
Tot Ion:172 Resp: 1022535
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 23.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.096 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031700.D
 Acq: 22 Dec 2017 8:01

Tgt Ion:165 Resp: 18308
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

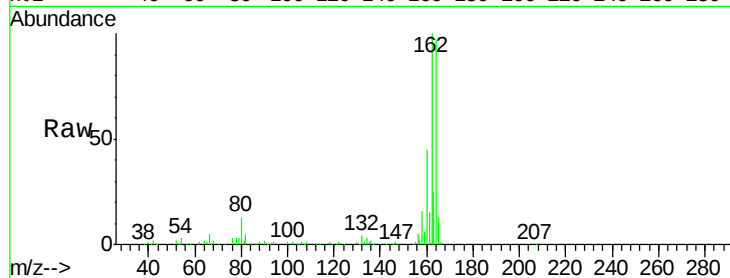




#56
2,4-Dinitrotoluene
Concen: 6.296 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.34 min
Lab File: BG031700.D
Acq: 22 Dec 2017 8:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

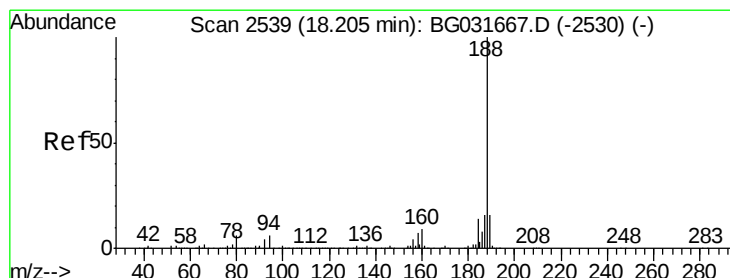
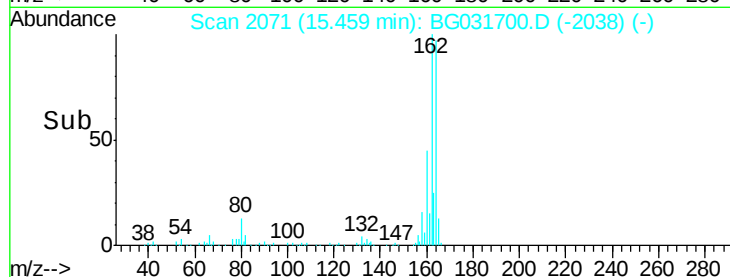
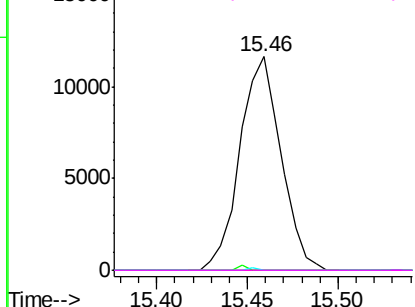


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

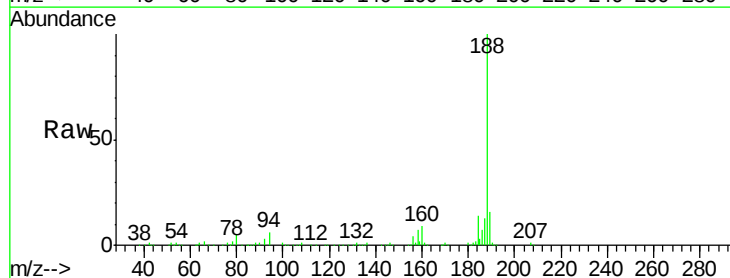
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BG031700.D
Acq: 22 Dec 2017 8:01

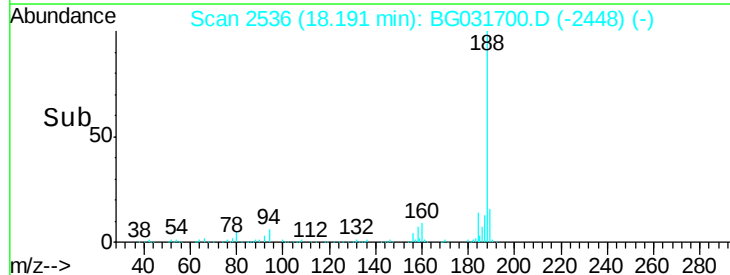
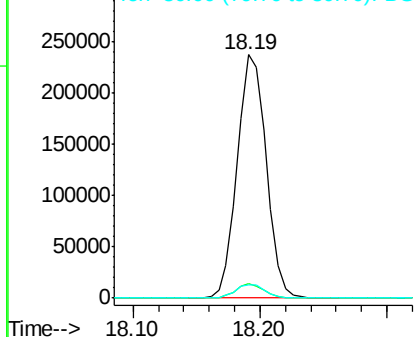
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	6.9	10.3#
80	5.4	7.7	11.5#

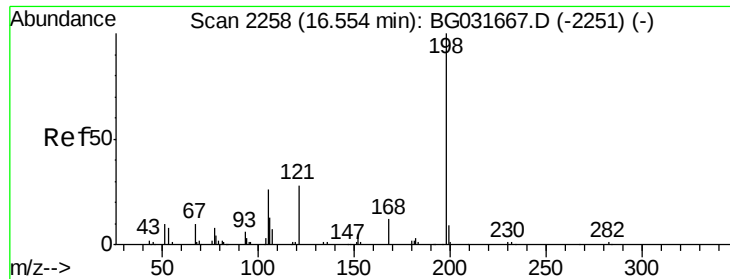


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

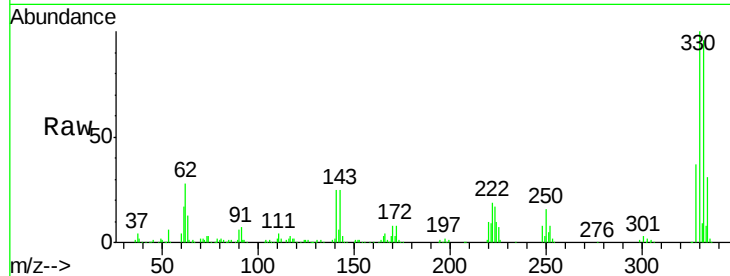




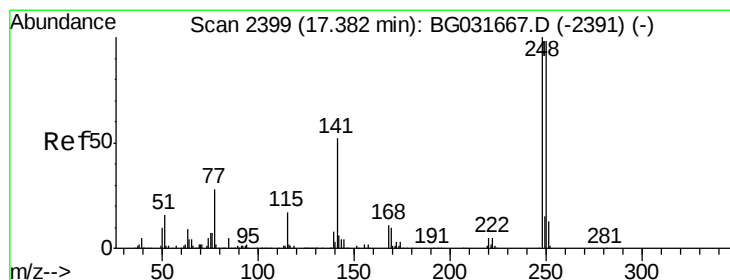
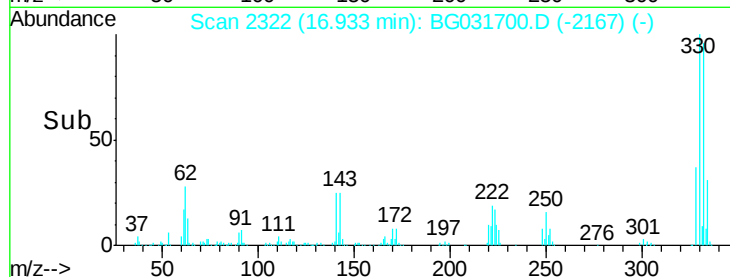
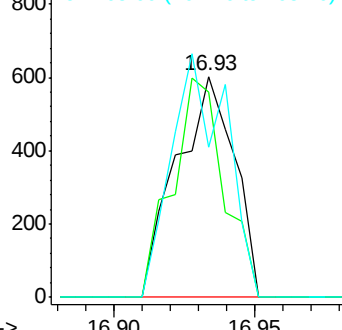
#64
4,6-Dinitro-2-methylphenol
Concen: 8.690 ng
RT: 16.93 min Scan# 2322
Delta R.T. 0.38 min
Lab File: BG031700.D
Acq: 22 Dec 2017 8:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	92.7	30.6	70.6#
105	67.7	23.8	63.8#

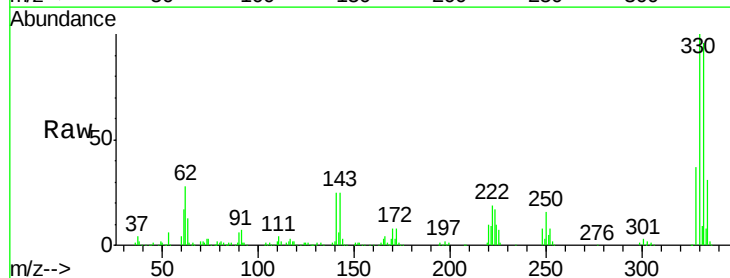


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

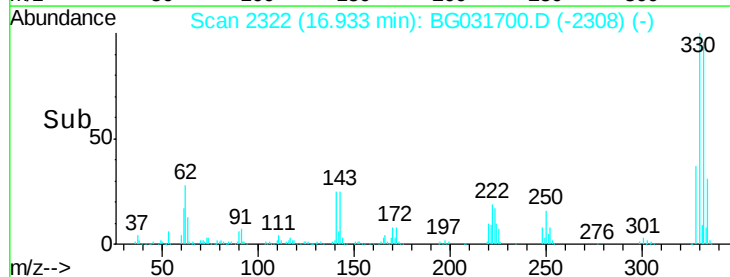
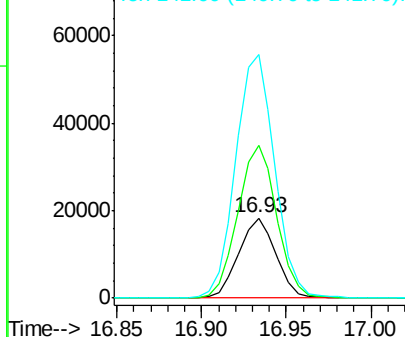


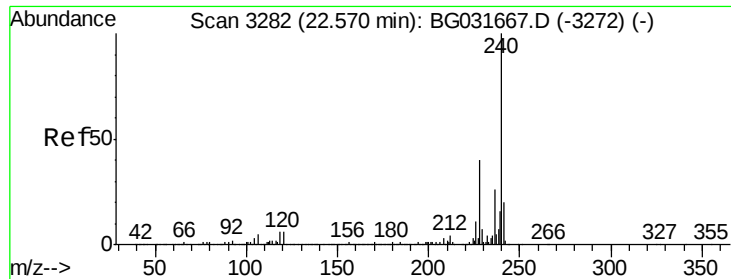
#66
4-Bromophenyl-phenylether
Concen: 5.169 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031700.D
Acq: 22 Dec 2017 8:01

Tgt Ion	Ratio	Lower	Upper
248	100		
250	190.7	77.1	115.7#
141	304.8	50.8	76.2#



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: 22.55 min Scan# 3278

Delta R.T. -0.02 min

Lab File: BG031700.D

Acq: 22 Dec 2017 8:01

Instrument :

BNA_G

ClientSampleId :

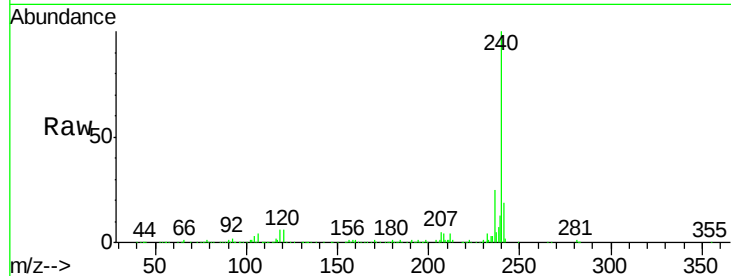
Tot Ion:240 Resp: 463287

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

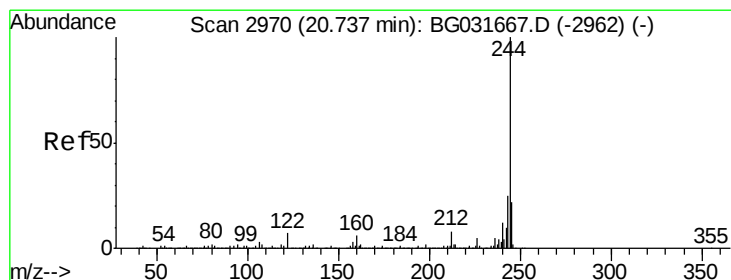
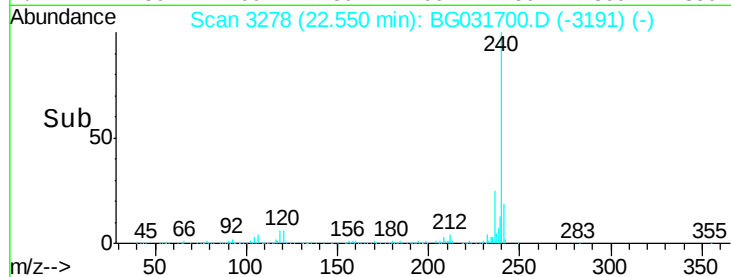
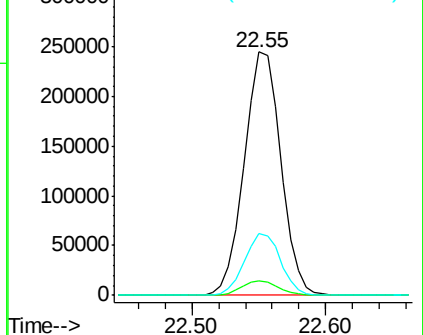
236 25.2 20.9 31.3



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: 96.719 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031700.D

Acq: 22 Dec 2017 8:01

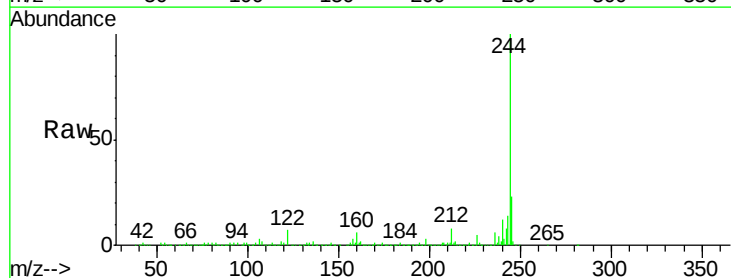
Tgt Ion:244 Resp: 1961293

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

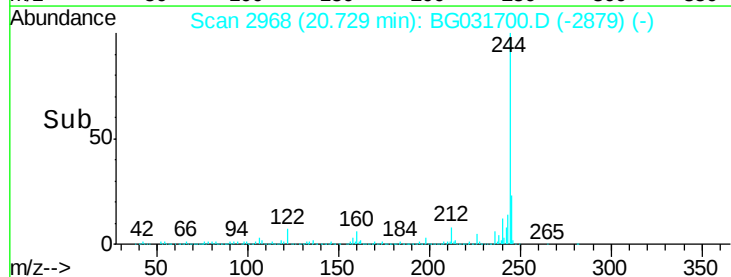
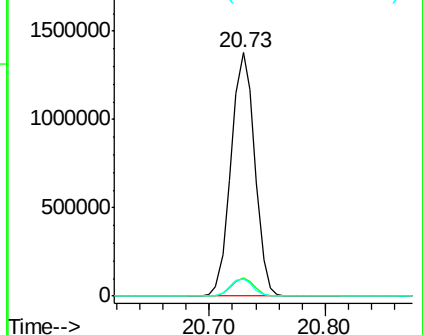
122 7.3 7.0 10.4

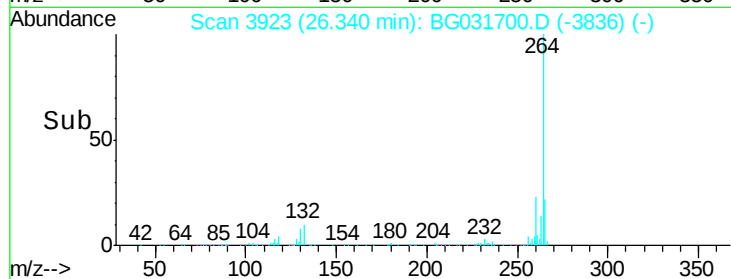
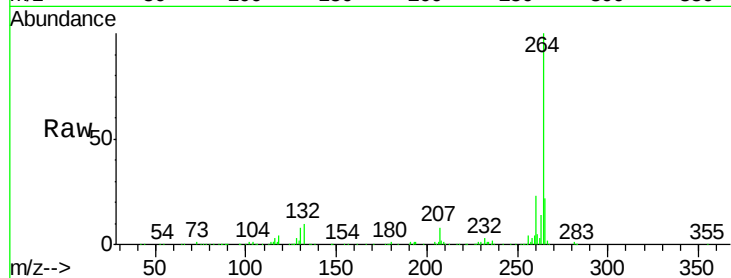
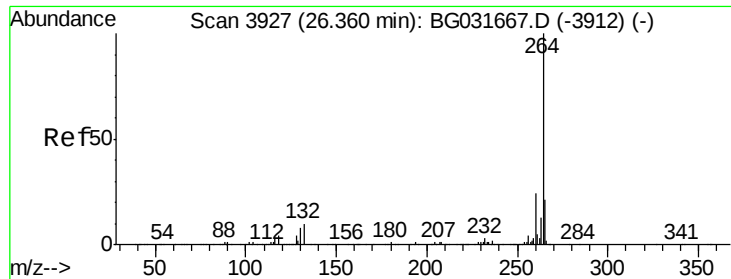


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.34 min Scan# 3923
 Delta R.T. -0.02 min
 Lab File: BG031700.D
 Acq: 22 Dec 2017 8:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.7	17.7	26.5

