

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031684.D
 Acq On : 21 Dec 2017 21:51
 Operator : SJ/JU
 Sample : I6961-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 03:16:45 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 14:09:19 2017
 Response via : Initial Calibration

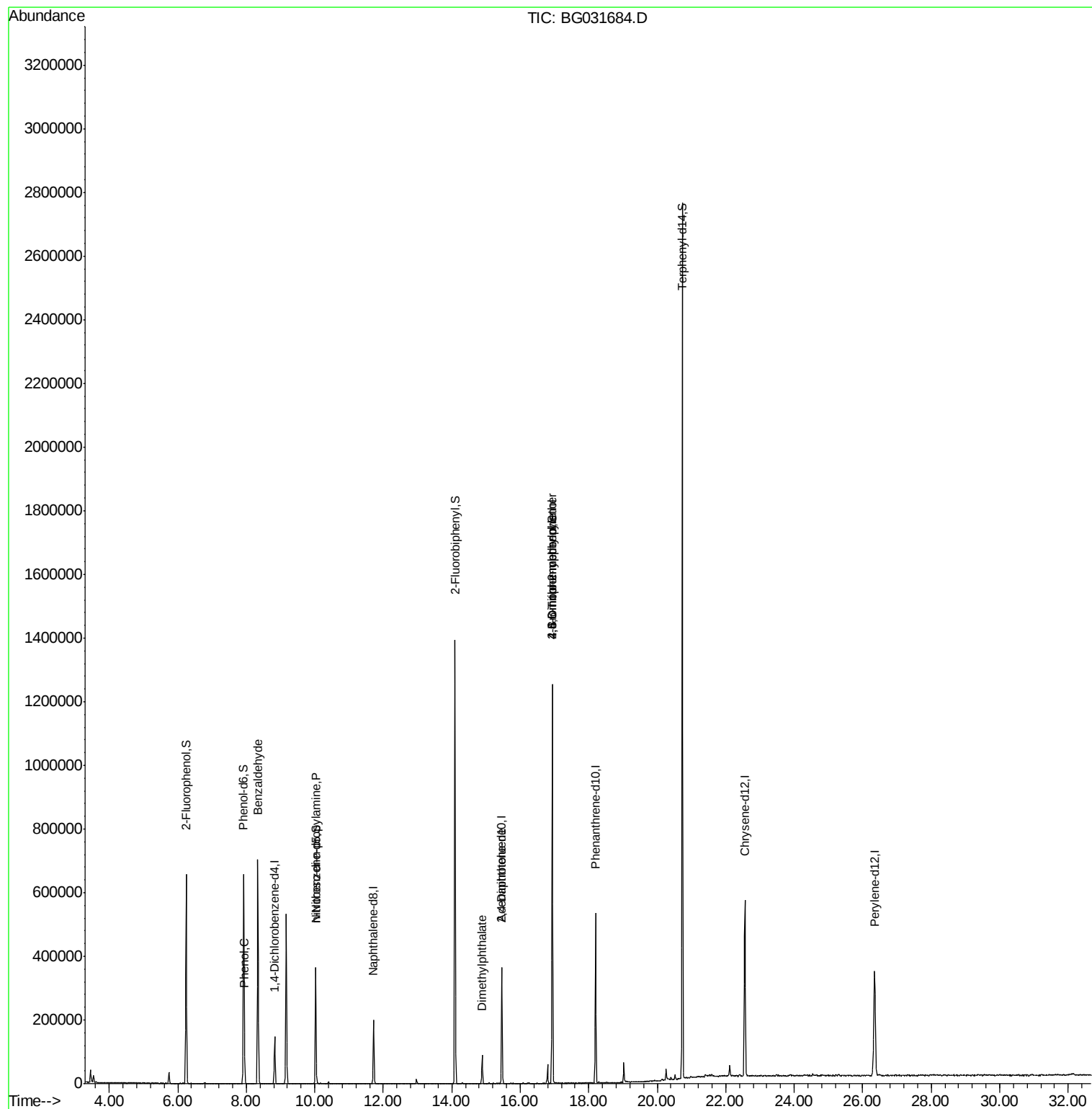
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	49076	20.00	ng	-0.01
21) Naphthalene-d8	11.72	136	201441	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	139442	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	370842	20.00	ng	0.00
75) Chrysene-d12	22.56	240	435291	20.00	ng	-0.01
86) Perylene-d12	26.34	264	455209	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	364827	135.40	ng	0.00
7) Phenol-d6	7.92	99	475632	135.96	ng	0.00
23) Nitrobenzene-d5	10.03	82	231645	86.83	ng	-0.01
41) 2,4,6-Tribromophenol	16.94	330	303960	142.86	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	846465	76.19	ng	0.00
78) Terphenyl-d14	20.73	244	1469612	77.13	ng	0.00
Target Compounds						
9) Benzaldehyde	8.34	77	8628	4.096	ng	91
10) Phenol	7.95	94	21644	6.128	ng	93
19) n-Nitroso-di-n-propylamine	10.03	70	30554	12.789	ng	# 72
49) Dimethylphthalate	14.89	163	70710	5.756	ng	96
56) 2,4-Dinitrotoluene	15.46	165	17682	6.085	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.93	198	559	8.562	ng	# 29
66) 4-Bromophenyl-phenylether	16.94	248	24354	4.541	ng	# 1

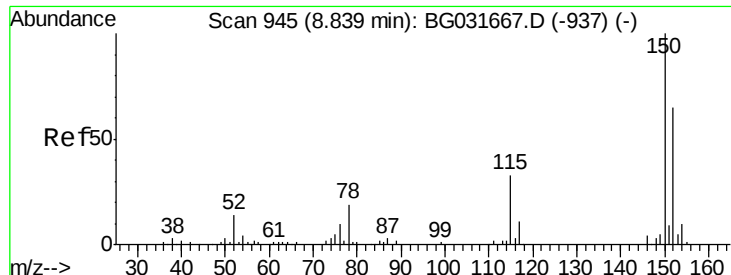
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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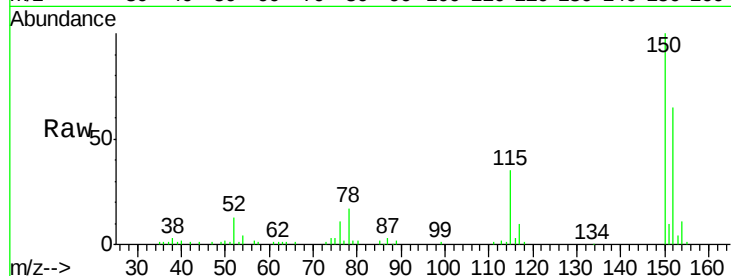


#1

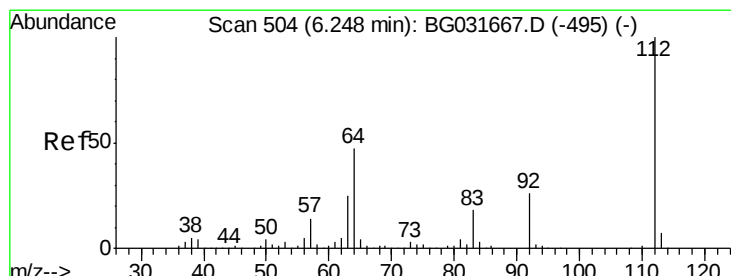
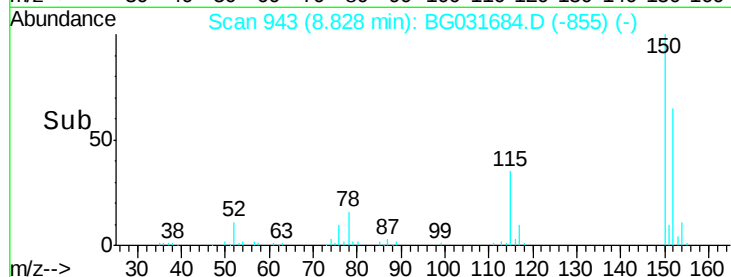
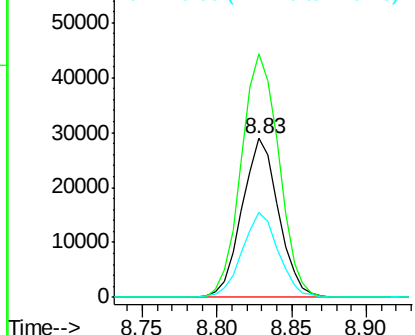
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 49076
Ion Ratio Lower Upper
152 100
150 153.4 126.6 189.8
115 53.6 53.0 79.4



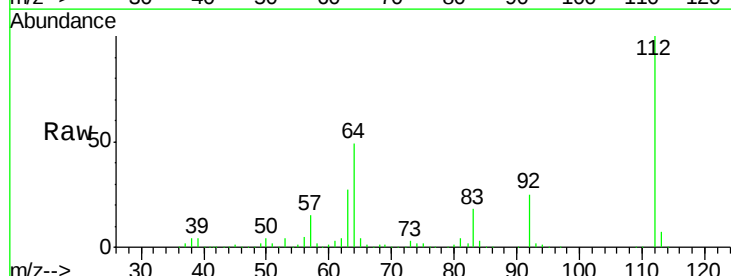
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



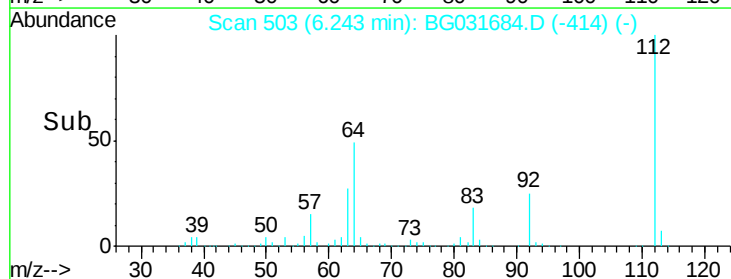
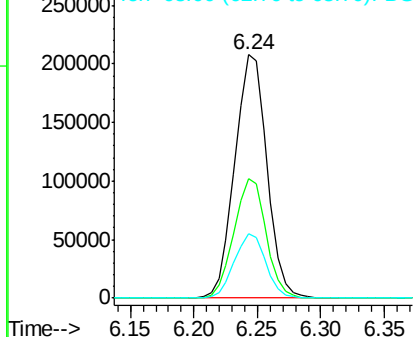
#5

2-Fluorophenol
Concen: 135.400 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.01 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

Tgt Ion:112 Resp: 364827
Ion Ratio Lower Upper
112 100
64 48.9 56.3 84.5#
63 26.6 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: 135.962 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.01 min

Lab File: BG031684.D

Acq: 21 Dec 2017 21:51

Instrument :

BNA_G

ClientSampleId :

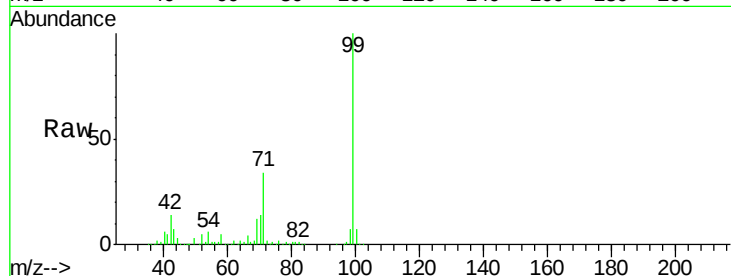
Tot Ion: 99 Resp: 475632

Ion Ratio Lower Upper

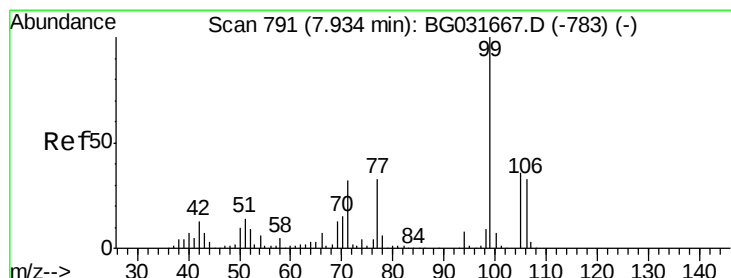
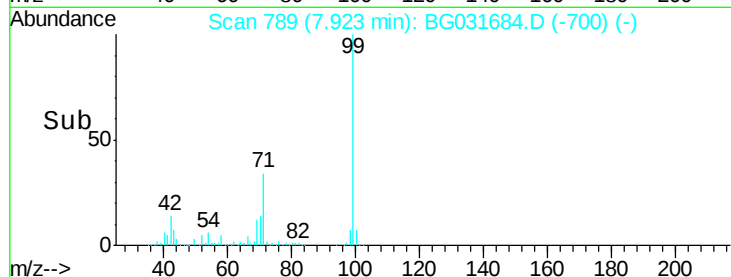
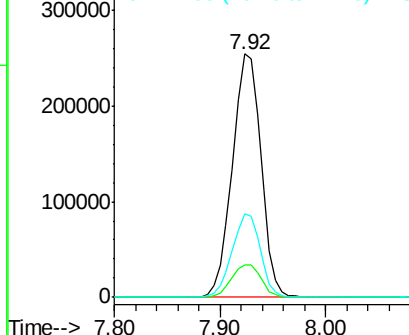
99 100

42 13.6 14.1 21.1#

71 34.3 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: 4.096 ng

RT: 8.34 min Scan# 860

Delta R.T. 0.41 min

Lab File: BG031684.D

Acq: 21 Dec 2017 21:51

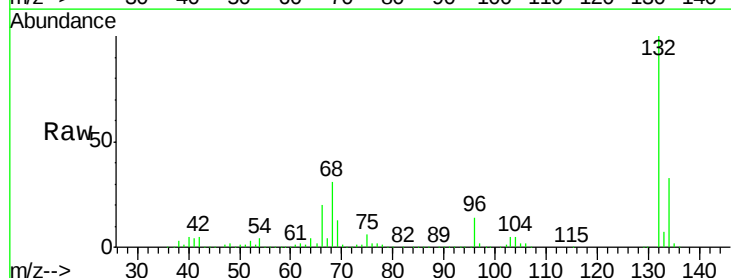
Tgt Ion: 77 Resp: 8628

Ion Ratio Lower Upper

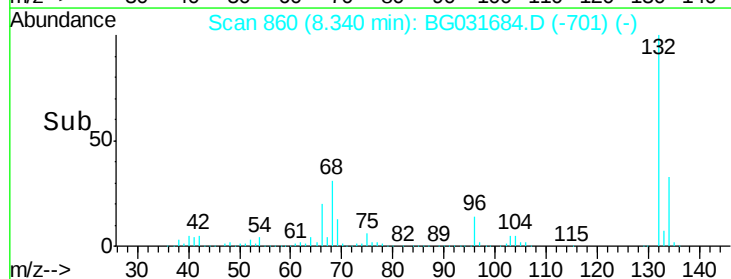
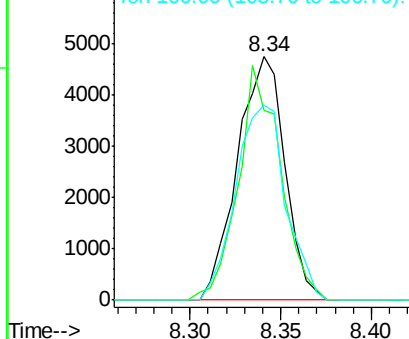
77 100

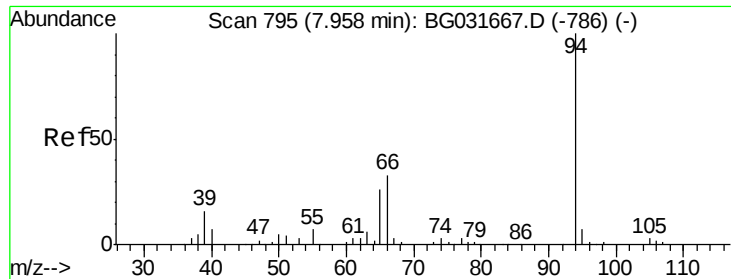
105 78.1 71.3 111.3

106 80.2 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





#10

Phenol

Concen: 6.128 ng

RT: 7.95 min Scan# 794

Delta R.T. -0.01 min

Lab File: BG031684.D

Acq: 21 Dec 2017 21:51

Instrument :

BNA_G

ClientSampleId :

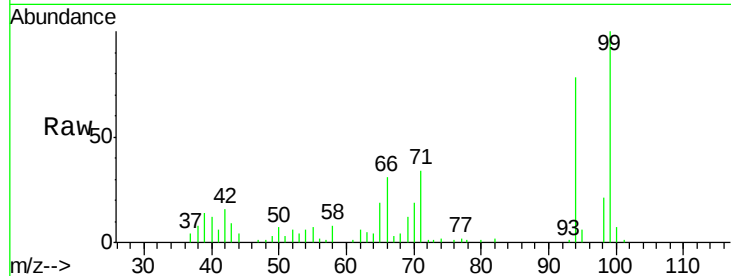
Tot Ion: 94 Resp: 21644

Ion Ratio Lower Upper

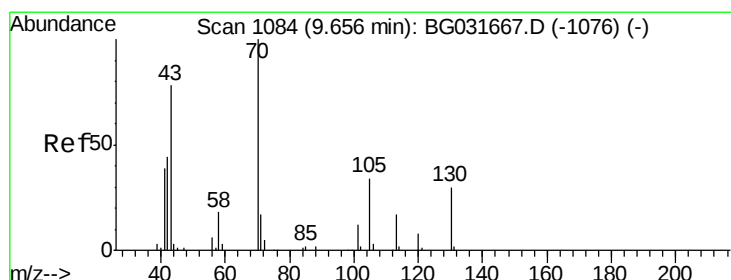
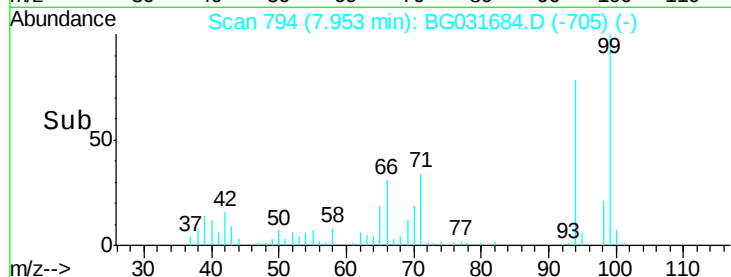
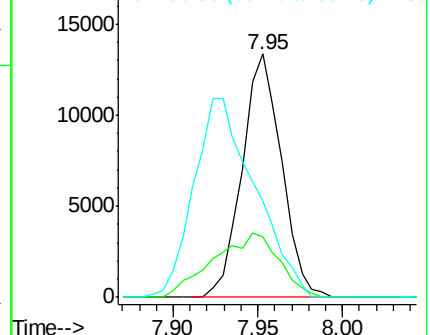
94 100

65 25.0 11.9 51.9

66 39.8 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 12.789 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031684.D

Acq: 21 Dec 2017 21:51

Tgt Ion: 70 Resp: 30554

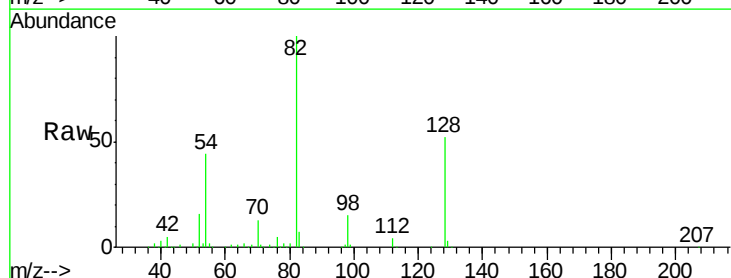
Ion Ratio Lower Upper

70 100

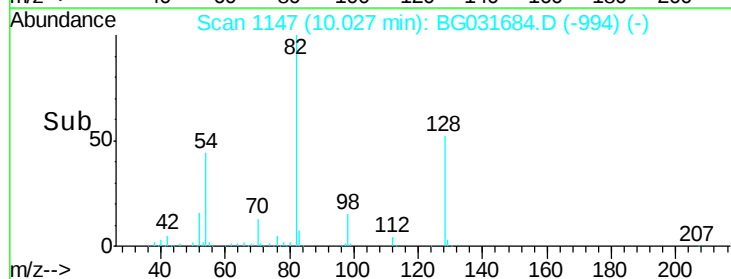
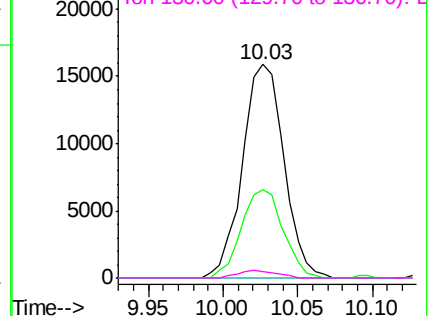
42 41.3 49.1 73.7#

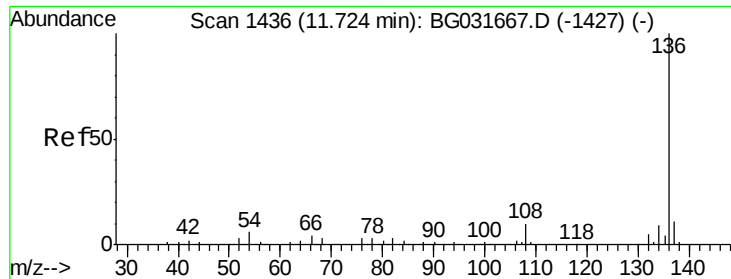
101 0.0 8.5 12.7#

130 3.1 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.72 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BG031684.D

Acq: 21 Dec 2017 21:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 201441

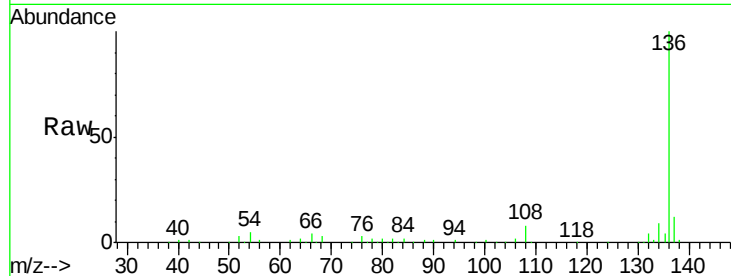
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 5.1 10.3 15.5#

68 3.4 4.5 6.7#

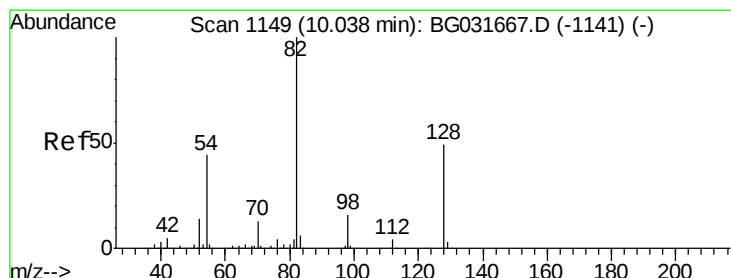
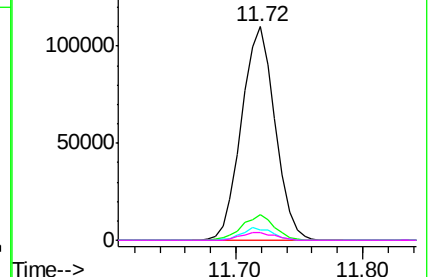
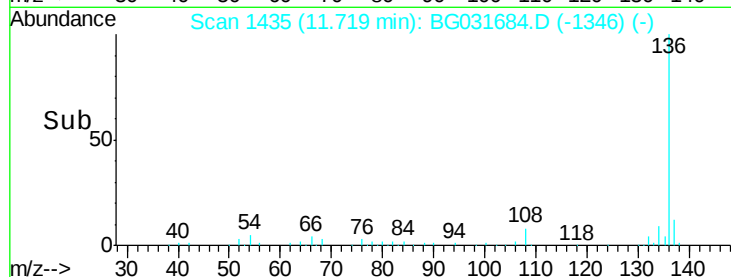


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 86.834 ng

RT: 10.03 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BG031684.D

Acq: 21 Dec 2017 21:51

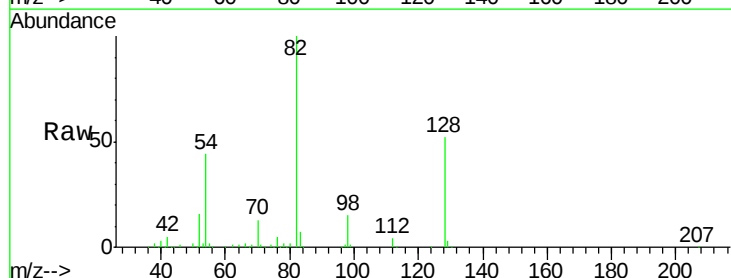
Tgt Ion: 82 Resp: 231645

Ion Ratio Lower Upper

82 100

128 51.6 29.7 44.5#

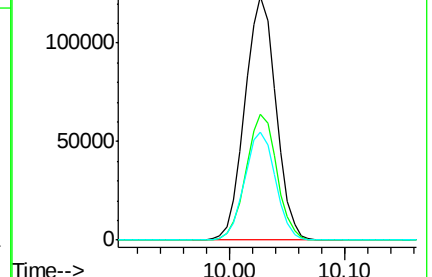
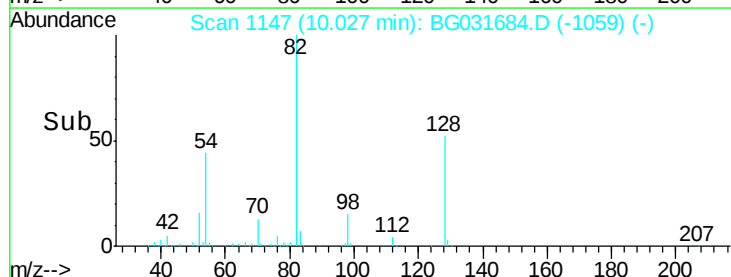
54 44.3 43.1 64.7

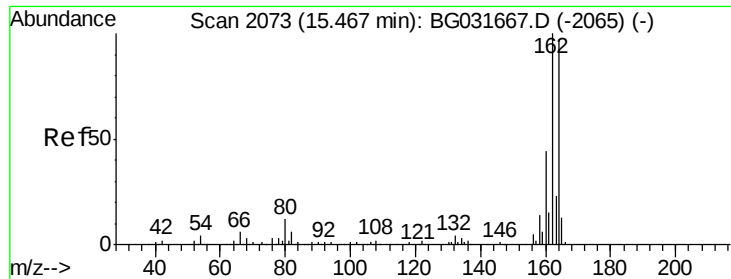


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

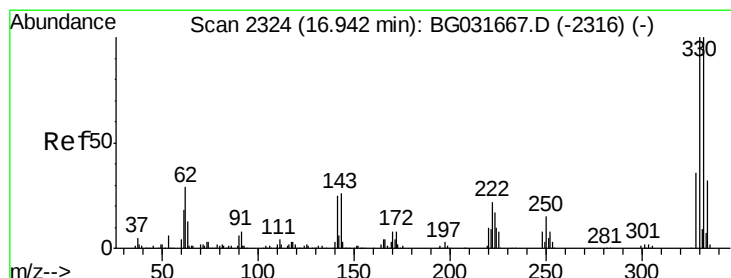
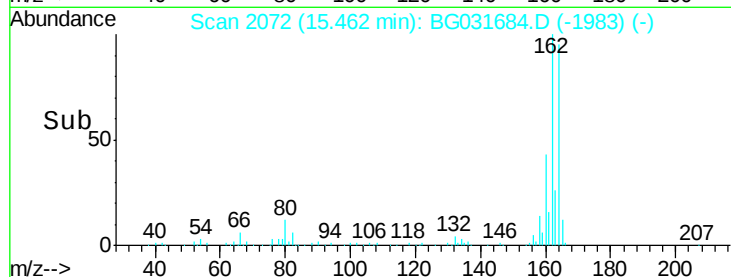
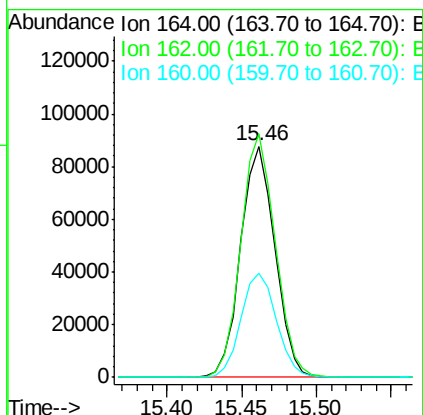
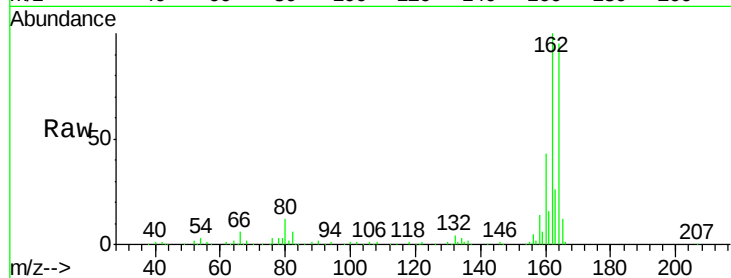




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.01 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

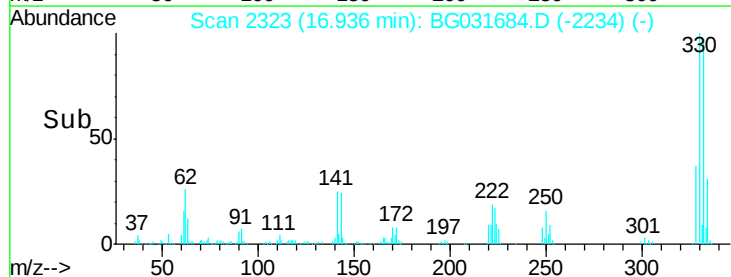
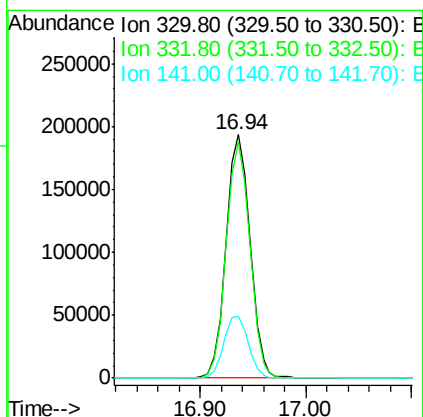
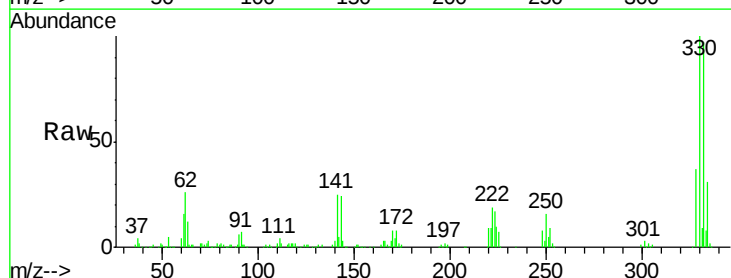
Instrument :
BNA_G
ClientSampleId :

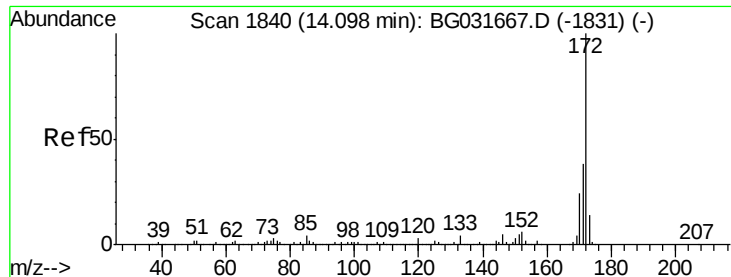
Tot Ion:164 Resp: 139442
Ion Ratio Lower Upper
164 100
162 105.3 78.8 118.2
160 45.1 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 142.859 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.01 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

Tgt Ion:330 Resp: 303960
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 26.1 25.2 37.8

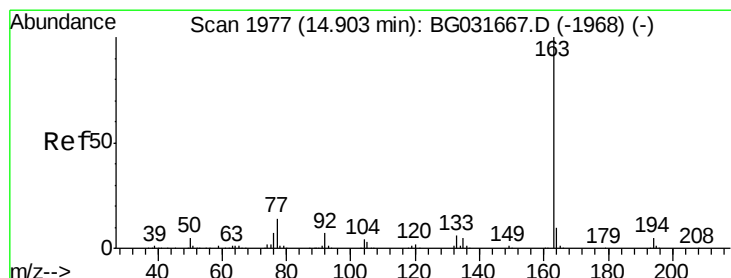
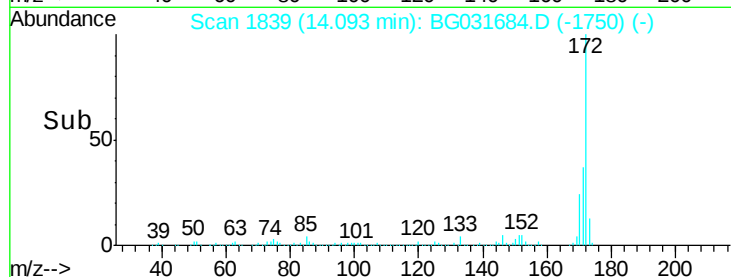
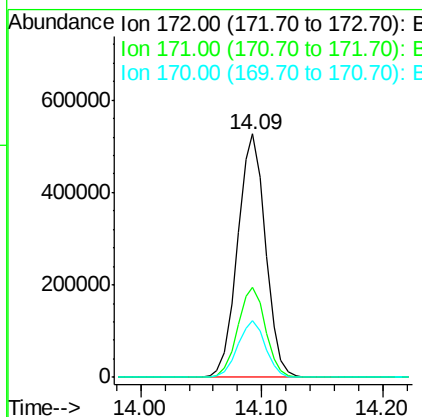
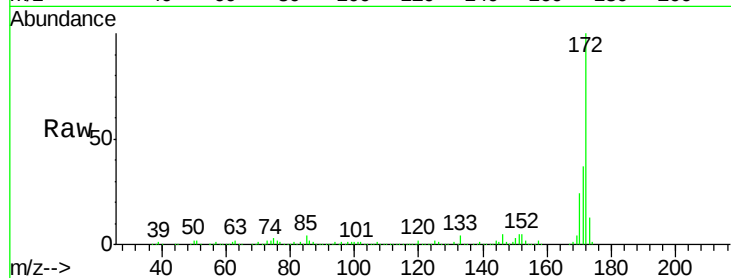




#44
2-Fluorobiphenyl
Concen: 76.191 ng
RT: 14.09 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

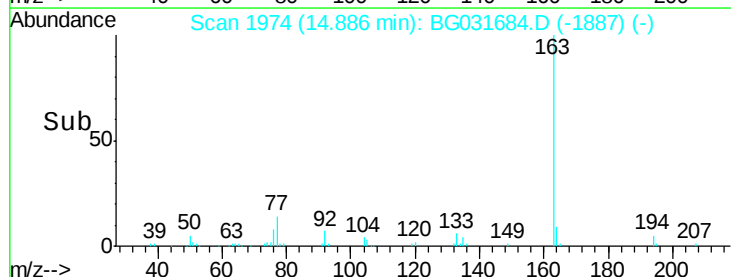
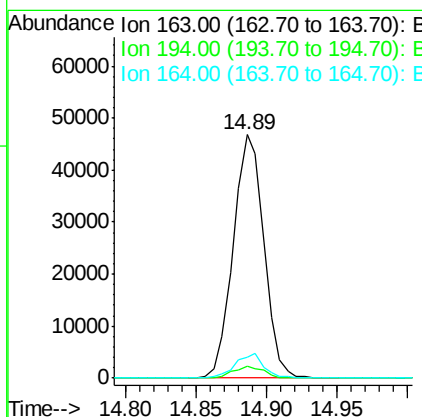
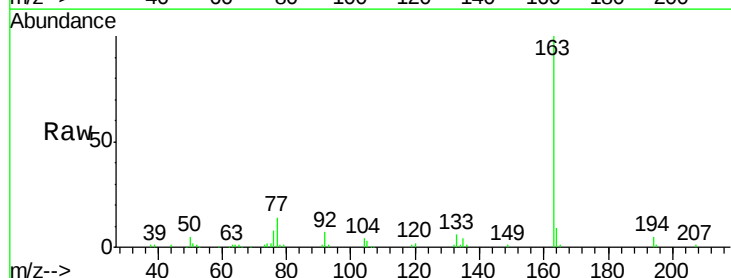
Instrument :
BNA_G
ClientSampleId :

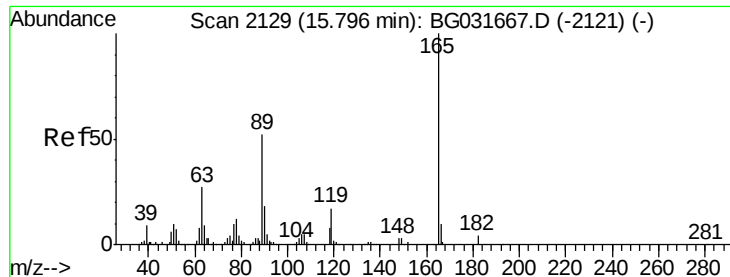
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.6	19.5	29.3



#49
Dimethylphthalate
Concen: 5.756 ng
RT: 14.89 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.4	5.2
164	8.8	8.2	12.4

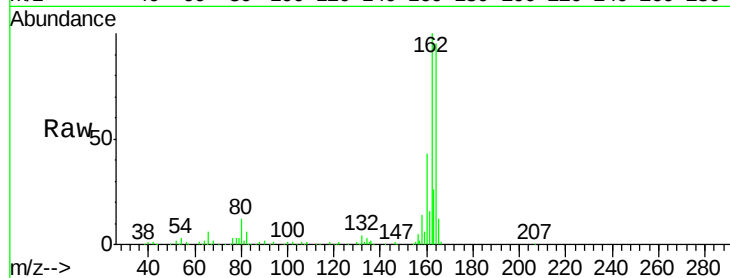




#56
2,4-Dinitrotoluene
Concen: 6.085 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.33 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

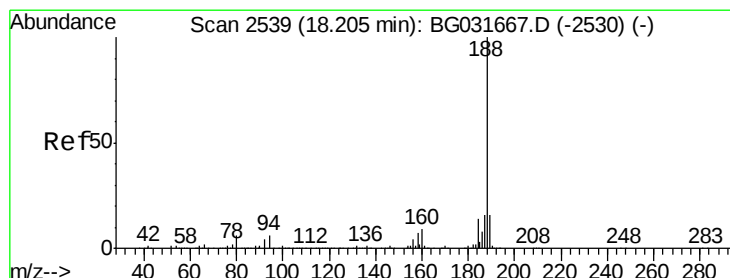
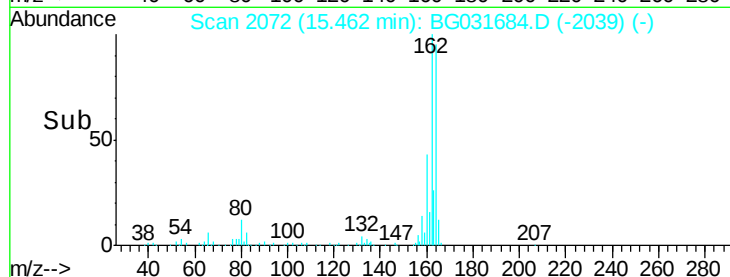
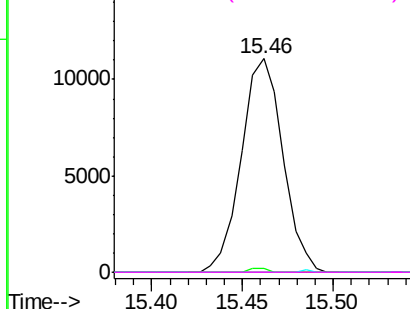


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

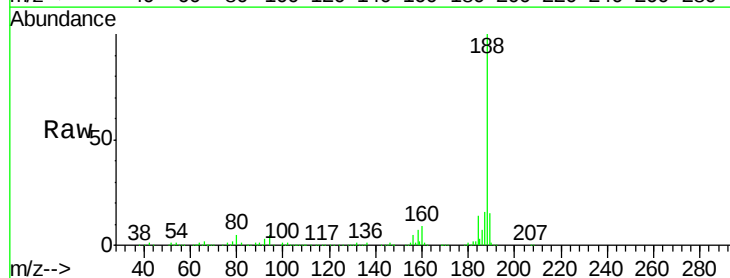
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

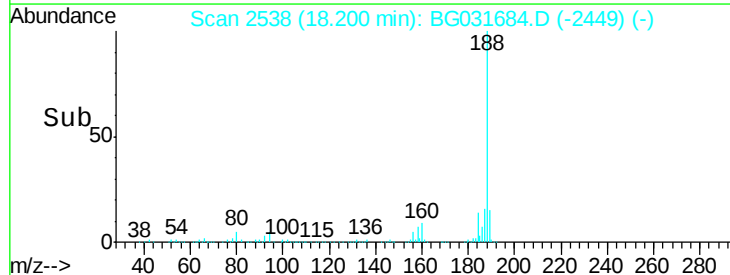
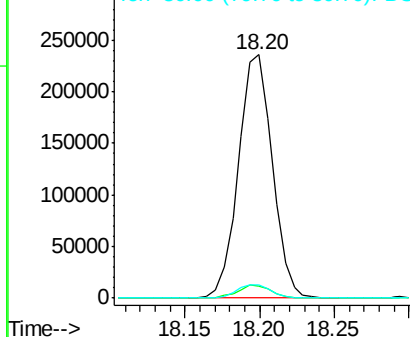
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.1	6.9	10.3#
80	5.5	7.7	11.5#

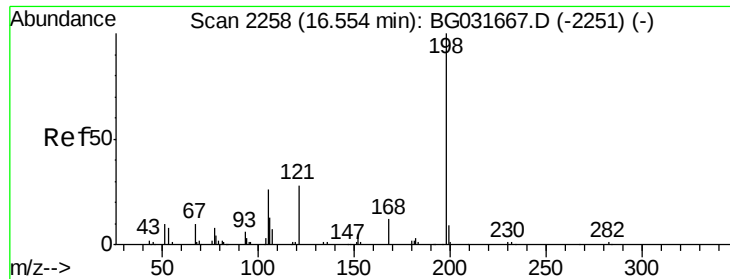


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

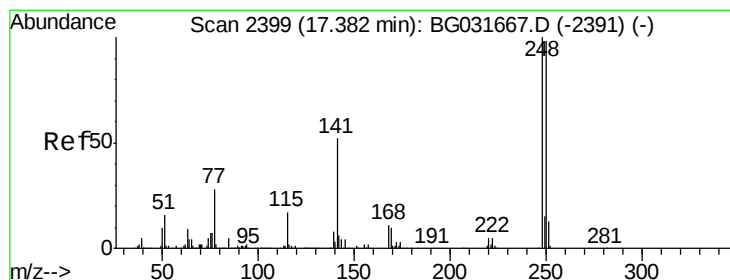
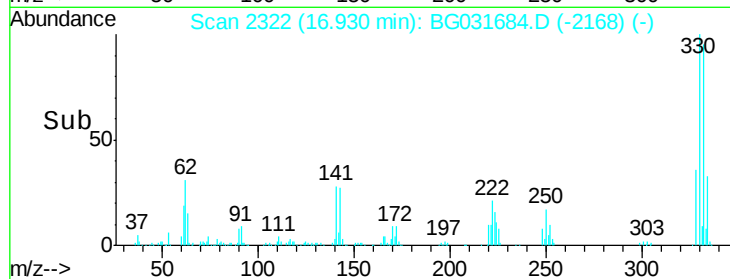
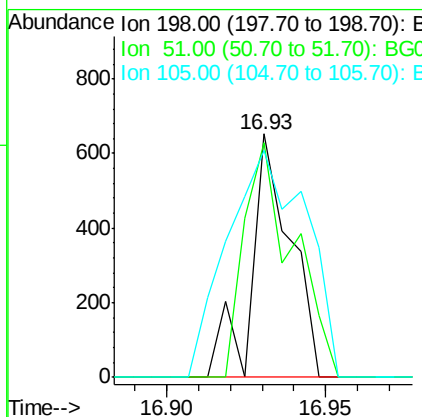
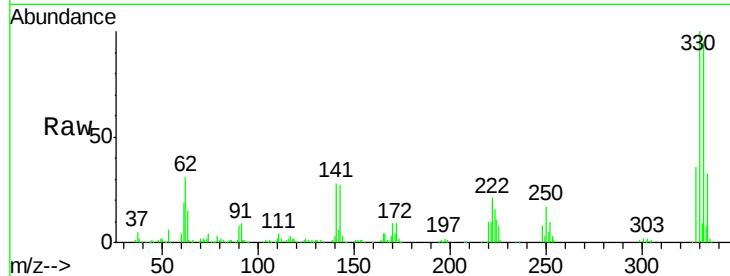




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.562 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. 0.38 min
 Lab File: BG031684.D
 Acq: 21 Dec 2017 21:51

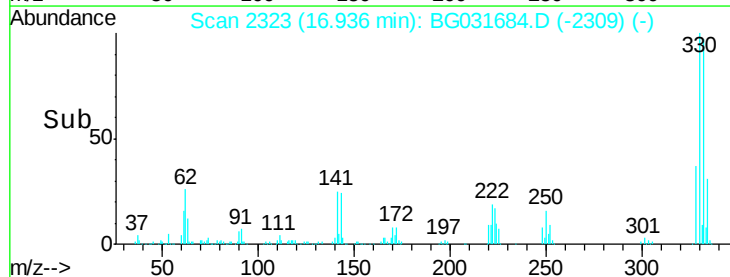
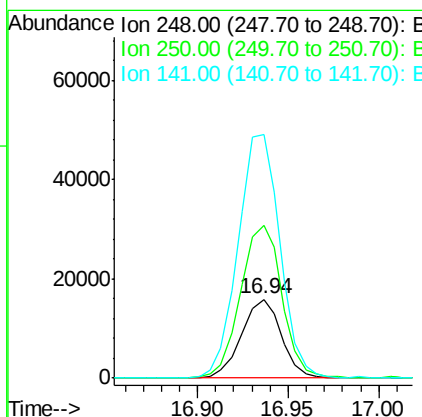
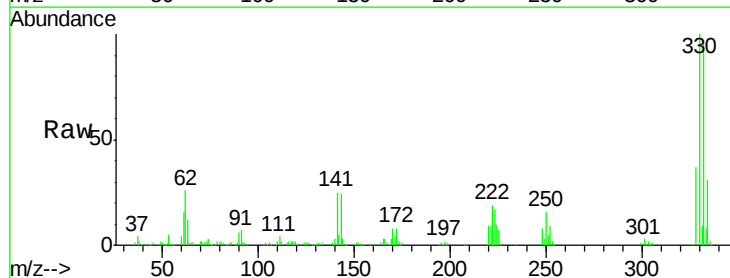
Instrument :
 BNA_G
 ClientSampleId :

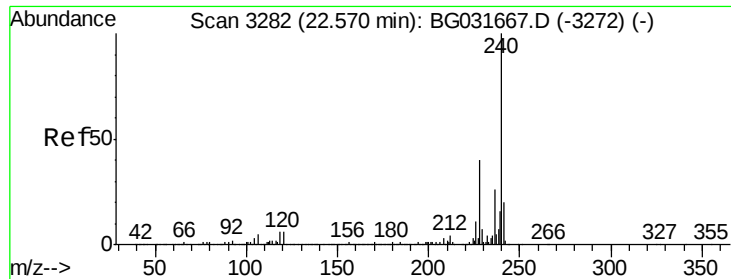
Tot Ion	Ratio	Lower	Upper
198	100		
51	96.5	30.6	70.6#
105	93.4	23.8	63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.541 ng
 RT: 16.94 min Scan# 2323
 Delta R.T. -0.45 min
 Lab File: BG031684.D
 Acq: 21 Dec 2017 21:51

Tgt Ion	Ratio	Lower	Upper
248	100		
250	192.5	77.1	115.7#
141	308.0	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.01 min

Lab File: BG031684.D

Acq: 21 Dec 2017 21:51

Instrument :

BNA_G

ClientSampleId :

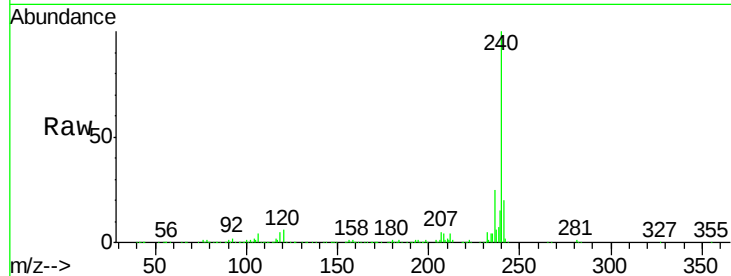
Tot Ion:240 Resp: 435291

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

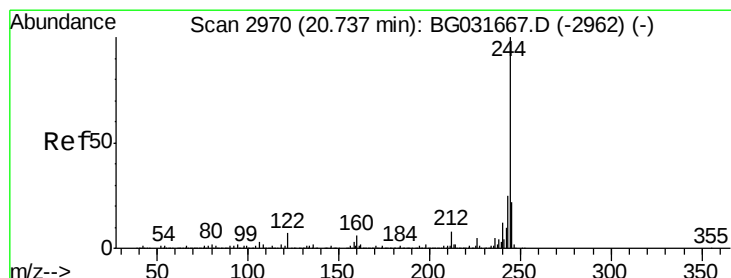
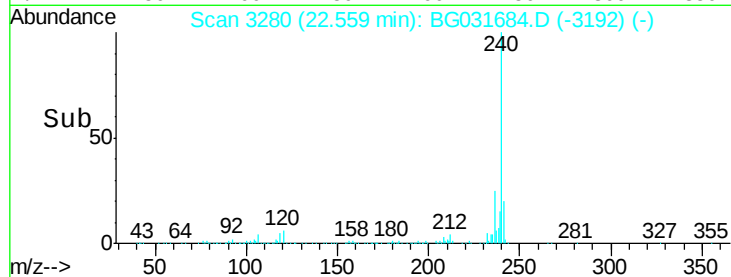
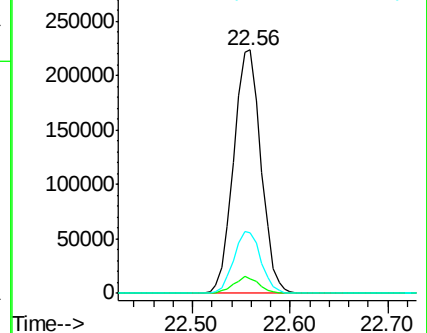
236 25.0 20.9 31.3



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: 77.133 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.01 min

Lab File: BG031684.D

Acq: 21 Dec 2017 21:51

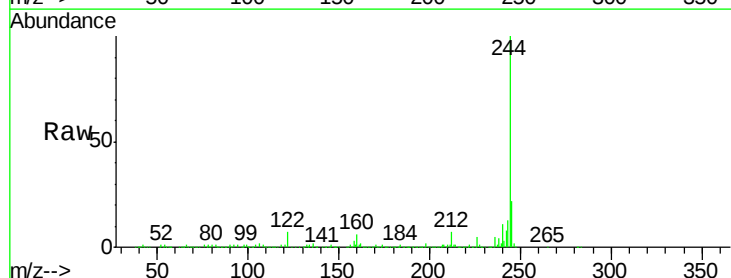
Tgt Ion:244 Resp: 1469612

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

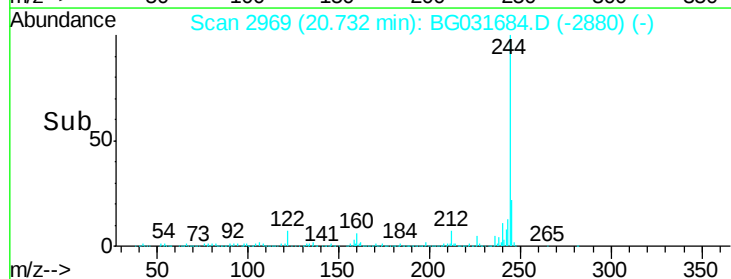
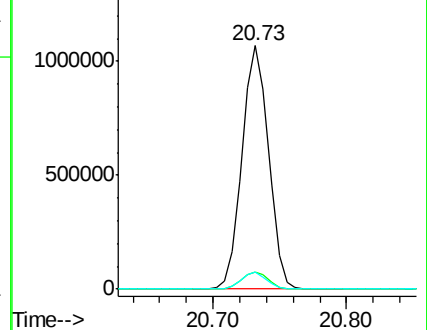
122 7.1 7.0 10.4

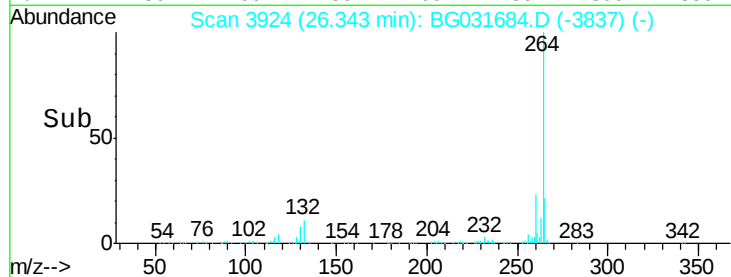
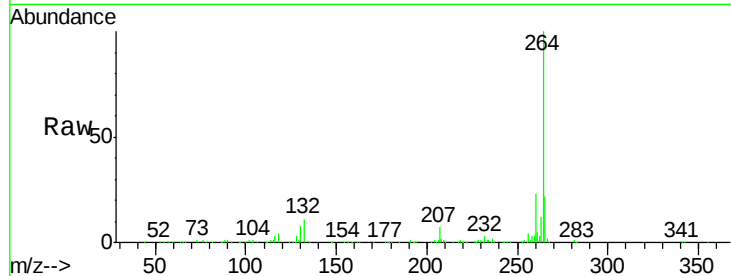
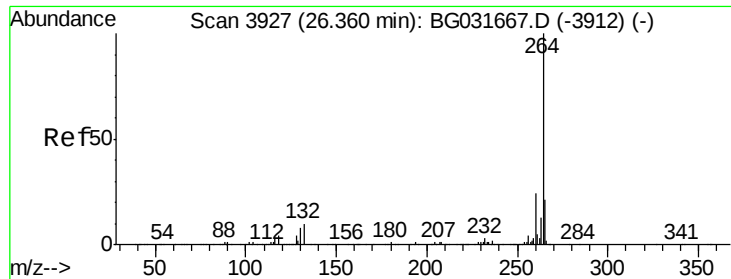


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3924
Delta R.T. -0.02 min
Lab File: BG031684.D
Acq: 21 Dec 2017 21:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.6	17.7	26.5

