

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031692.D
 Acq On : 22 Dec 2017 2:51
 Operator : SJ/JU
 Sample : I7002-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 04:58:03 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

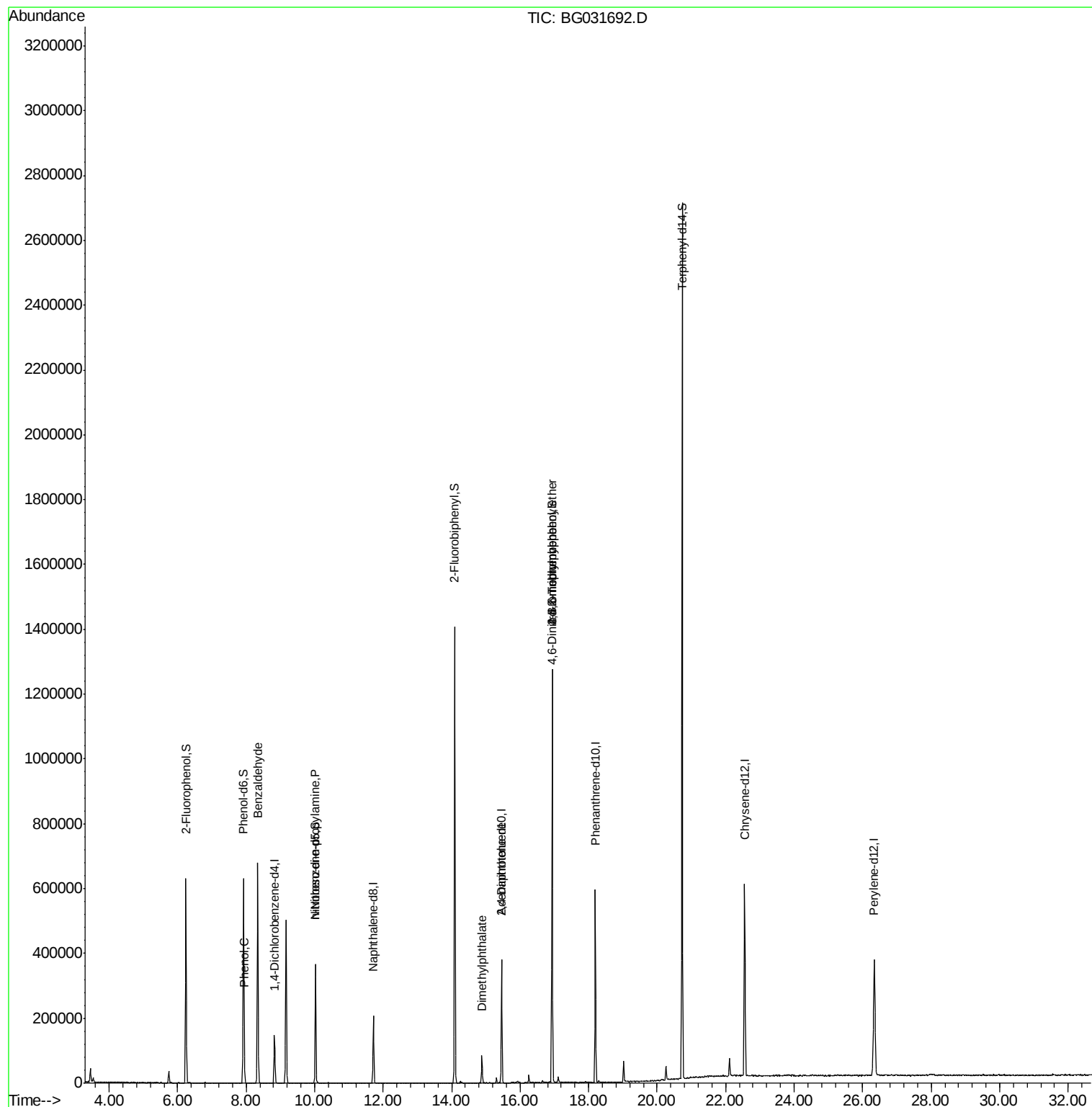
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	50620	20.00	ng	-0.01
21) Naphthalene-d8	11.72	136	212110	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	150792	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	400464	20.00	ng	0.00
75) Chrysene-d12	22.56	240	461436	20.00	ng	-0.01
86) Perylene-d12	26.34	264	490470	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.25	112	356233	128.18	ng	0.00
7) Phenol-d6	7.93	99	453279	125.62	ng	0.00
23) Nitrobenzene-d5	10.02	82	230002	81.88	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	302233	131.36	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	836526	69.63	ng	0.00
78) Terphenyl-d14	20.73	244	1439151	71.25	ng	0.00
Target Compounds						
9) Benzaldehyde	8.33	77	7995	3.680	ng	92
10) Phenol	7.95	94	16733	4.593	ng	96
19) n-Nitroso-di-n-propylamine	10.02	70	29990	12.170	ng	# 75
49) Dimethylphthalate	14.88	163	66713	5.022	ng	# 99
56) 2,4-Dinitrotoluene	15.46	165	19294	6.140	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.92	198	635	8.575	ng	# 63
66) 4-Bromophenyl-phenylether	16.93	248	24467	4.225	ng	# 1

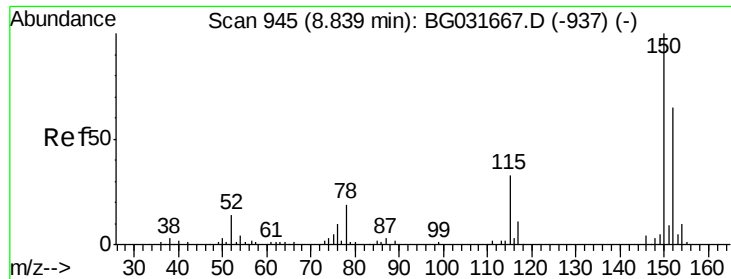
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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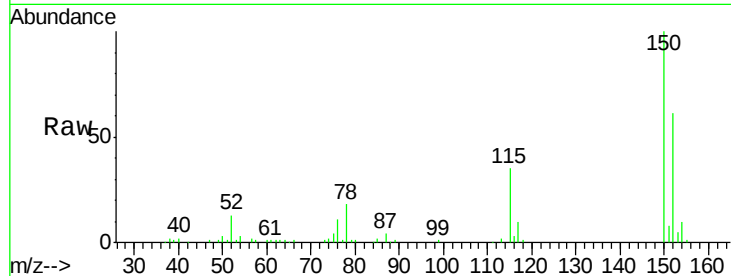


#1

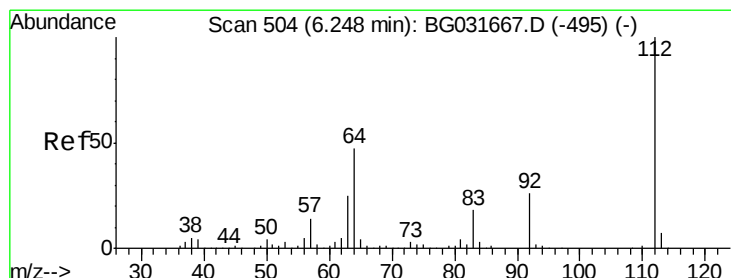
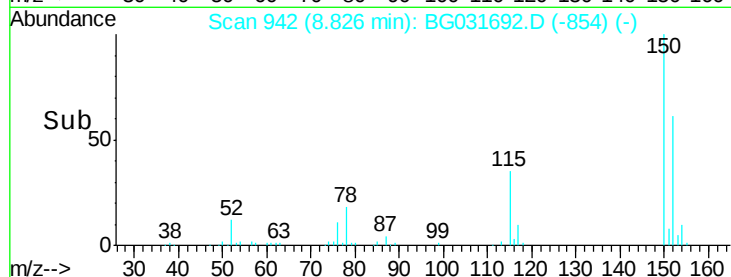
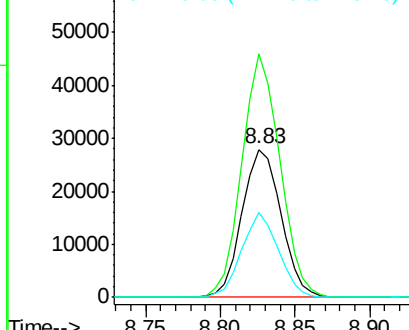
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50620
Ion Ratio Lower Upper
152 100
150 164.6 126.6 189.8
115 57.6 53.0 79.4



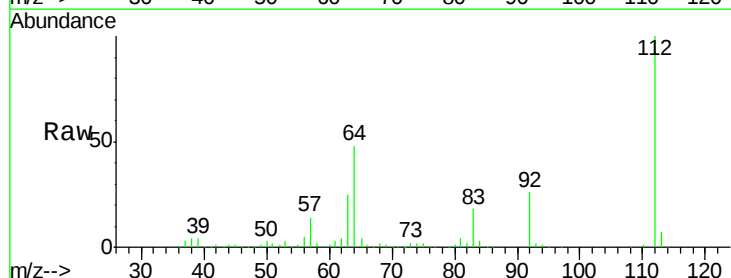
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



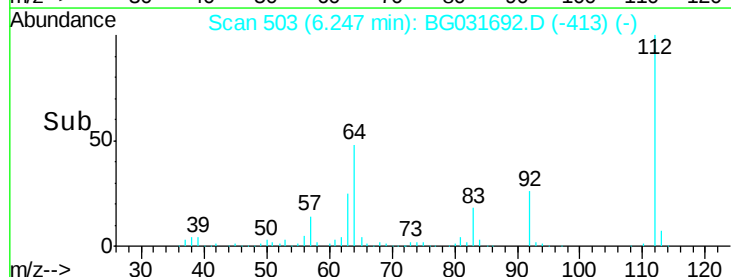
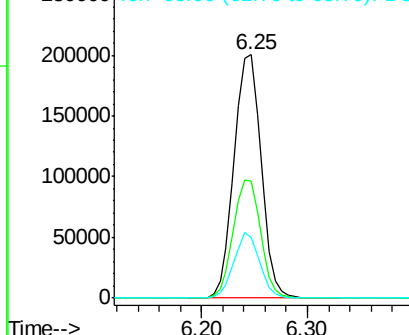
#5

2-Fluorophenol
Concen: 128.178 ng
RT: 6.25 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

Tgt Ion:112 Resp: 356233
Ion Ratio Lower Upper
112 100
64 47.8 56.3 84.5#
63 24.9 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: 125.620 ng

RT: 7.93 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031692.D

Acq: 22 Dec 2017 2:51

Instrument :

BNA_G

ClientSampleId :

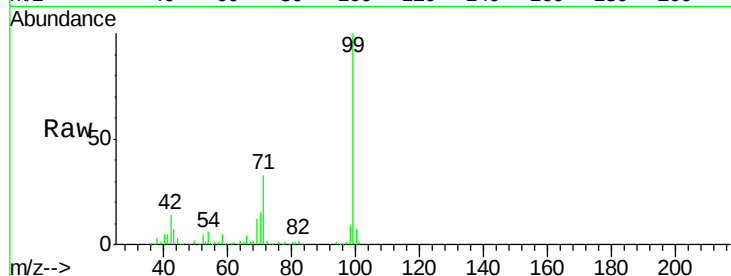
Tot Ion: 99 Resp: 453279

Ion Ratio Lower Upper

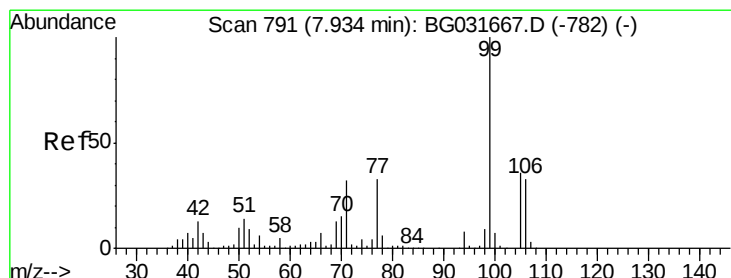
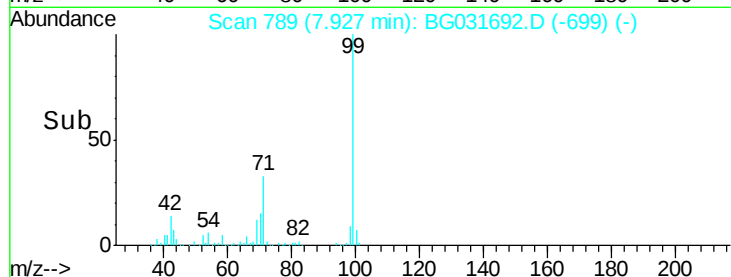
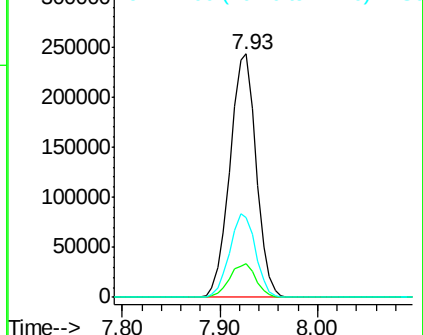
99 100

42 13.8 14.1 21.1#

71 32.8 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: 3.680 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.40 min

Lab File: BG031692.D

Acq: 22 Dec 2017 2:51

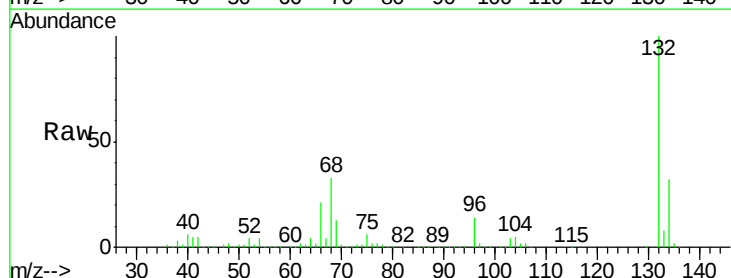
Tgt Ion: 77 Resp: 7995

Ion Ratio Lower Upper

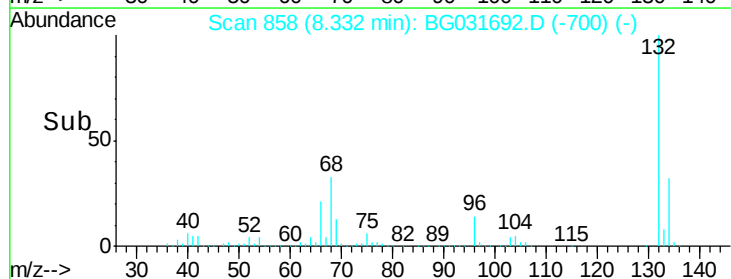
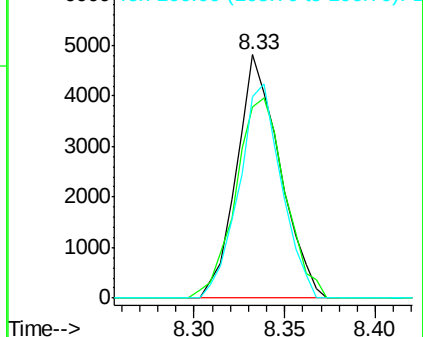
77 100

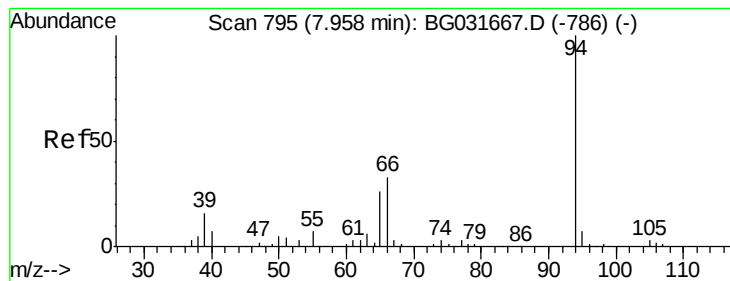
105 78.4 71.3 111.3

106 82.7 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: 4.593 ng

RT: 7.95 min Scan# 793

Delta R.T. -0.01 min

Lab File: BG031692.D

Acq: 22 Dec 2017 2:51

Instrument :

BNA_G

ClientSampled :

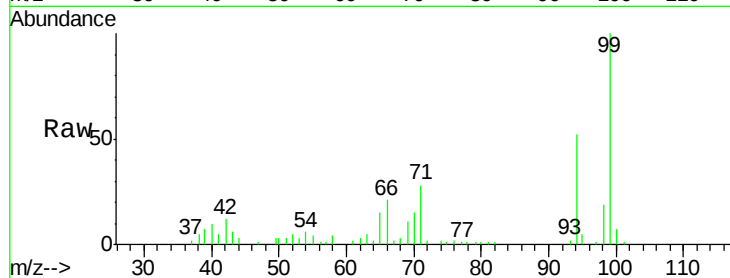
Tot Ion: 94 Resp: 16733

Ion Ratio Lower Upper

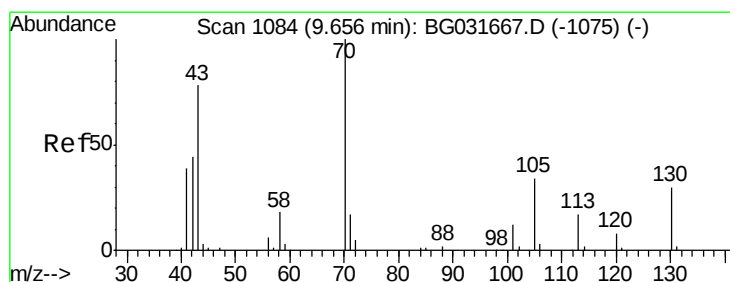
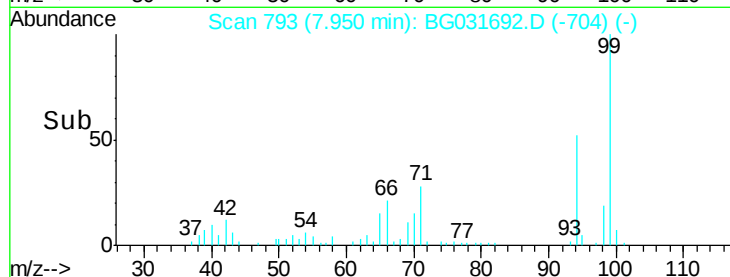
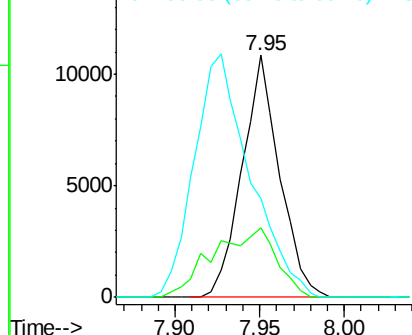
94 100

65 28.8 11.9 51.9

66 40.9 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: 12.170 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.37 min

Lab File: BG031692.D

Acq: 22 Dec 2017 2:51

Tgt Ion: 70 Resp: 29990

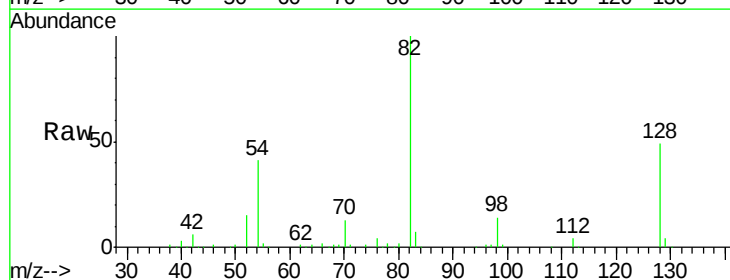
Ion Ratio Lower Upper

70 100

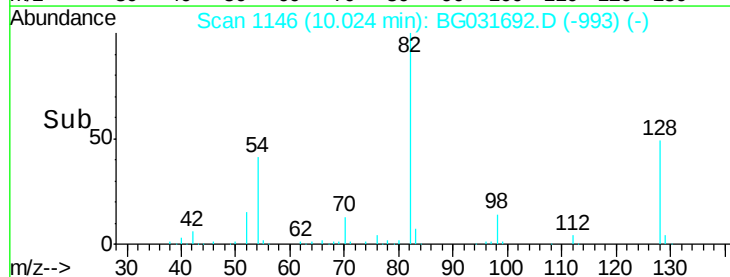
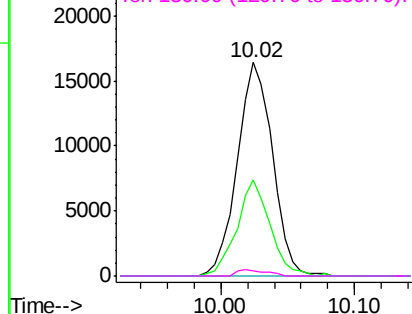
42 44.9 49.1 73.7#

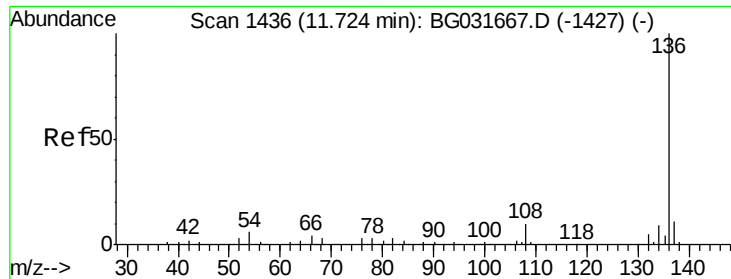
101 0.0 8.5 12.7#

130 2.6 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

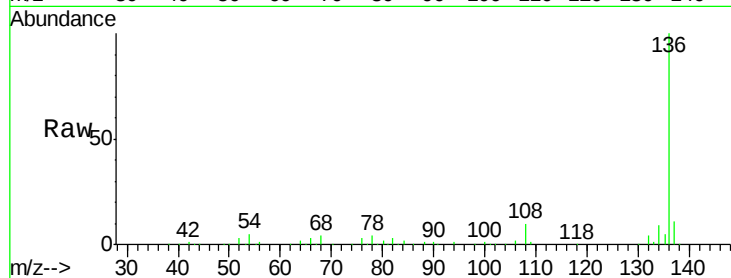




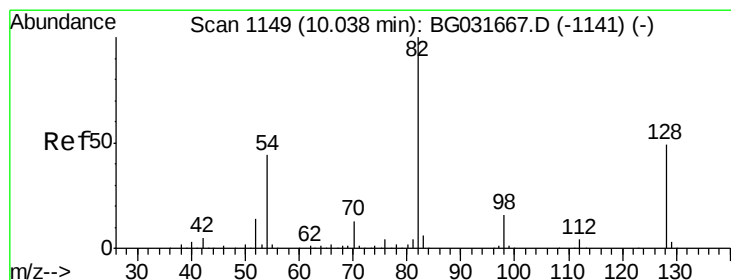
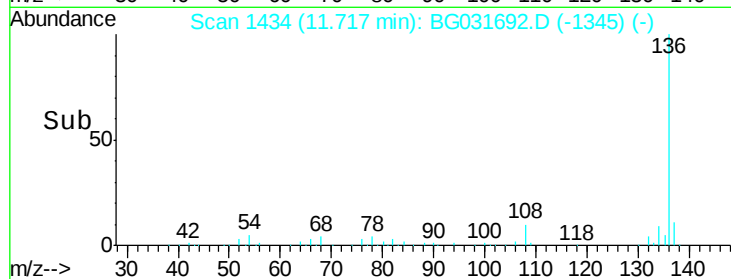
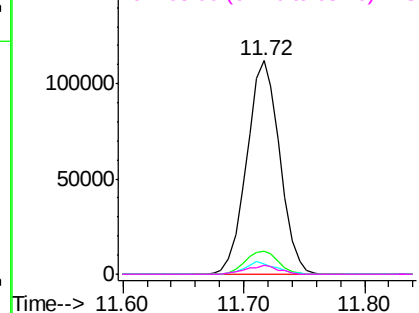
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	212110
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	5.0	10.3 15.5#
68	4.0	4.5 6.7#

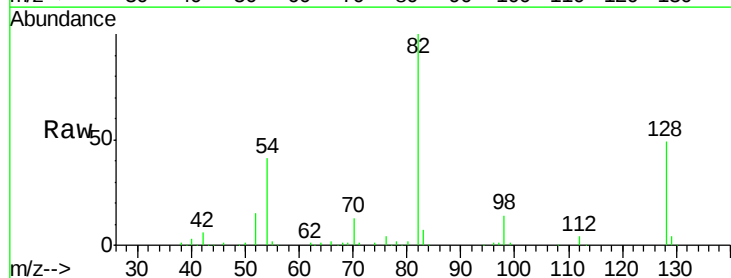


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

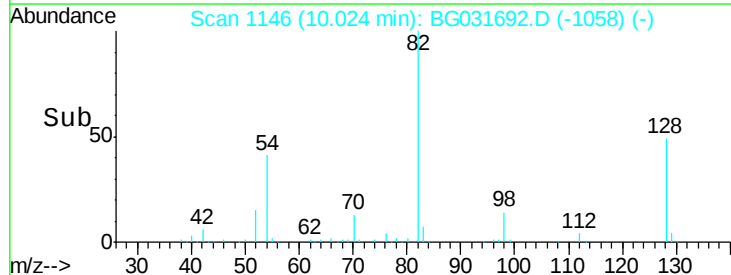
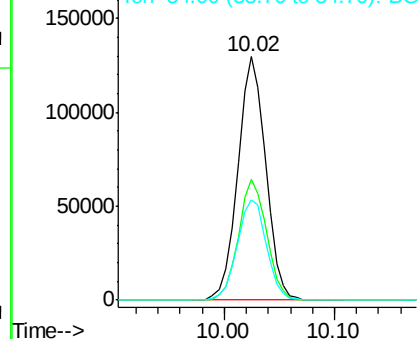


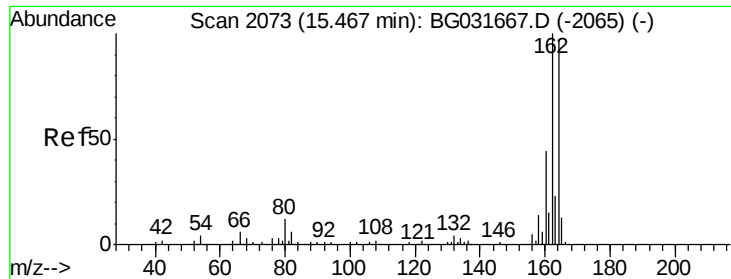
#23
Nitrobenzene-d5
Concen: 81.882 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

Tgt Ion: 82	Resp:	230002
Ion Ratio	Lower	Upper
82	100	
128	49.5	29.7 44.5#
54	41.2	43.1 64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

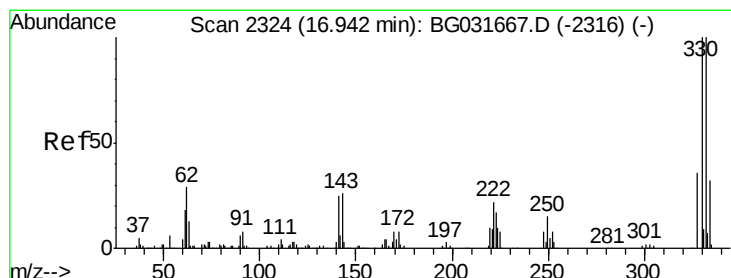
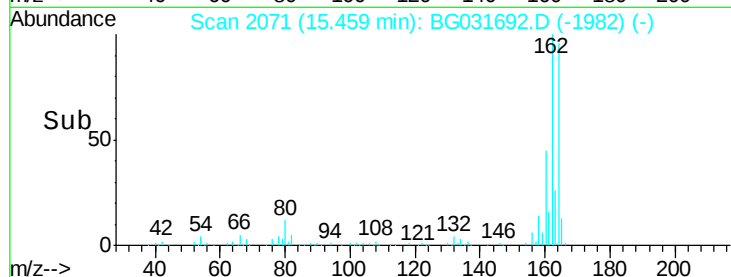
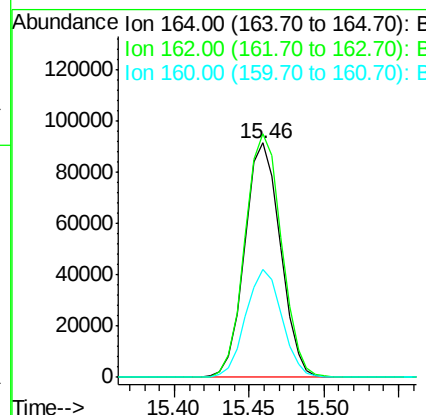
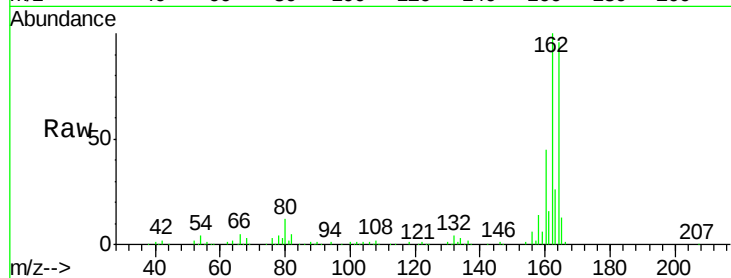




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

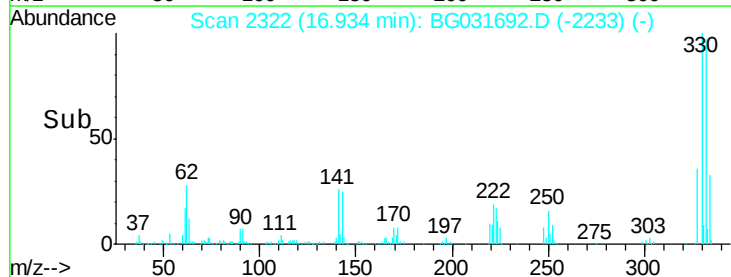
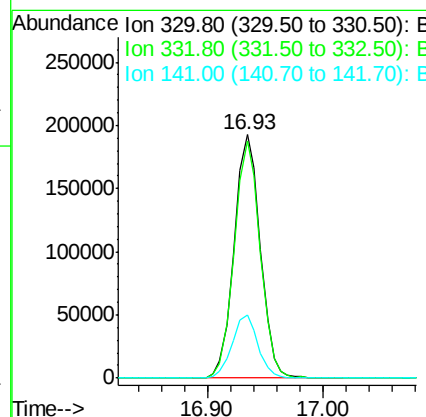
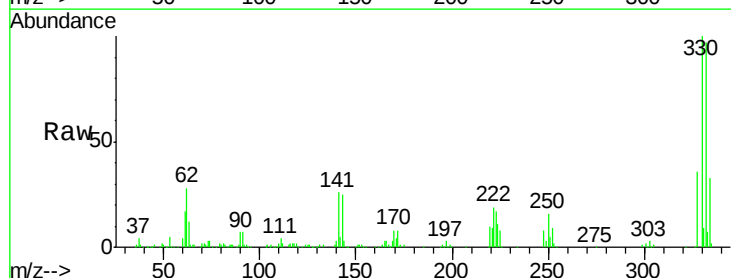
Instrument :
BNA_G
ClientSampleId :

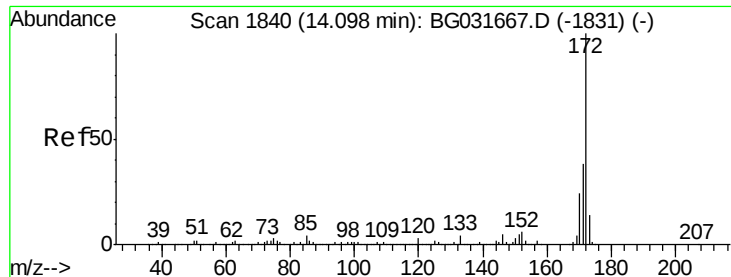
Tot Ion:164 Resp: 150792
Ion Ratio Lower Upper
164 100
162 103.9 78.8 118.2
160 46.3 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 131.356 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.01 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

Tgt Ion:330 Resp: 302233
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 25.8 25.2 37.8

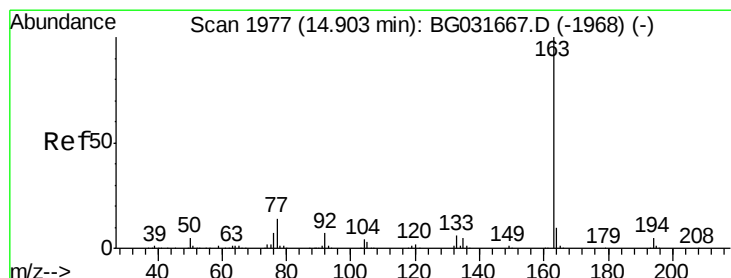
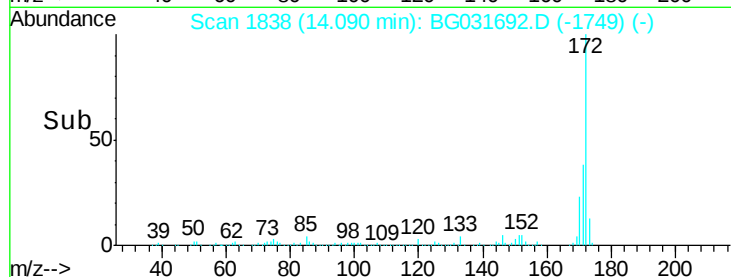
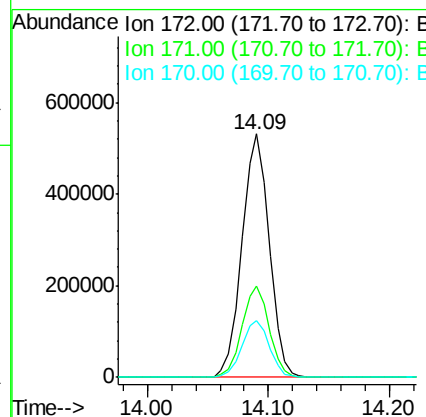
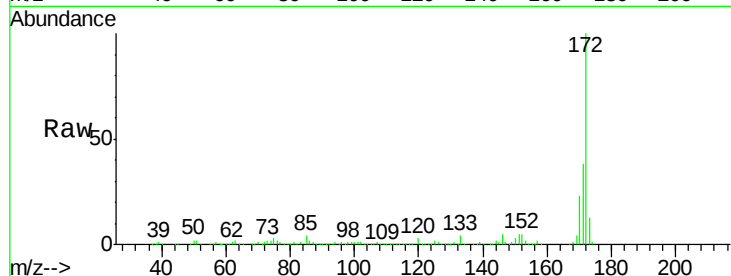




#44
2-Fluorobiphenyl
Concen: 69.629 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

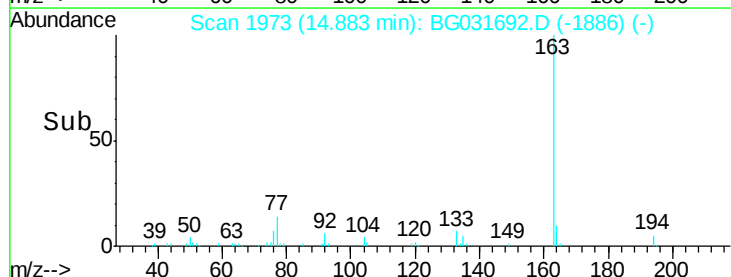
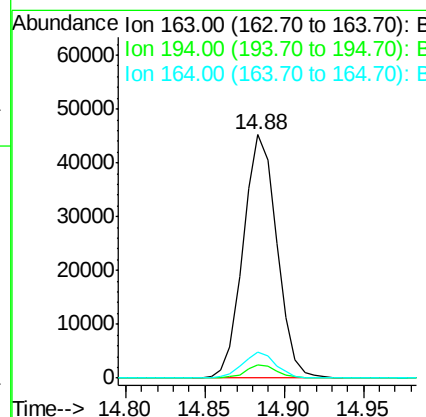
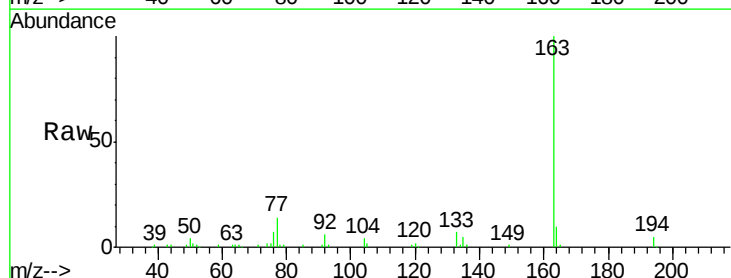
Instrument :
BNA_G
ClientSampleId :

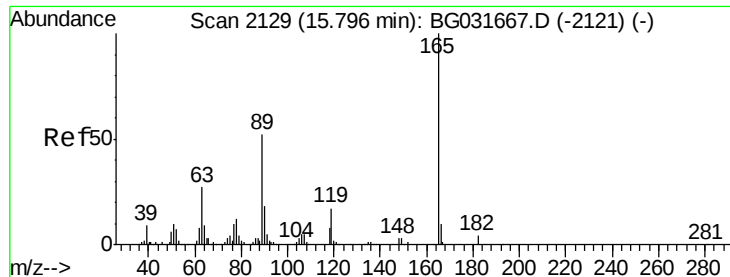
Tot Ion:172 Resp: 836526
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.3 19.5 29.3



#49
Dimethylphthalate
Concen: 5.022 ng
RT: 14.88 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

Tgt Ion:163 Resp: 66713
Ion Ratio Lower Upper
163 100
194 5.4 3.4 5.2#
164 10.4 8.2 12.4

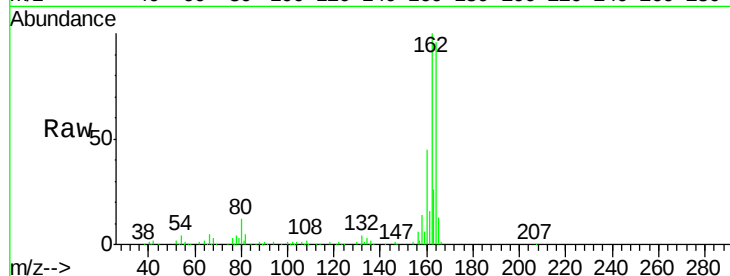




#56
2,4-Dinitrotoluene
Concen: 6.140 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.34 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.4	66.9	100.3#
182	0.0	2.6	3.8#

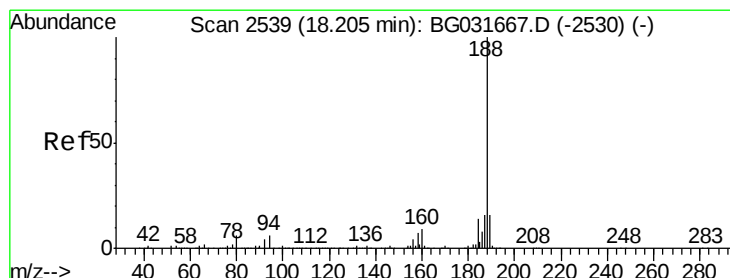
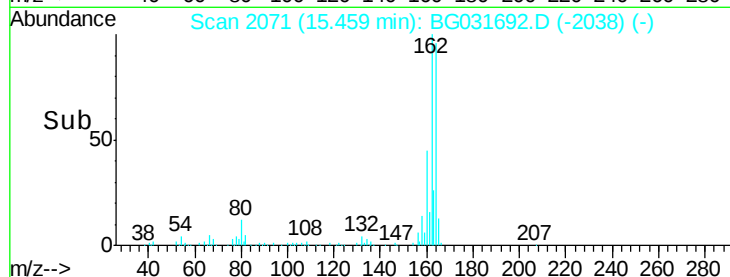
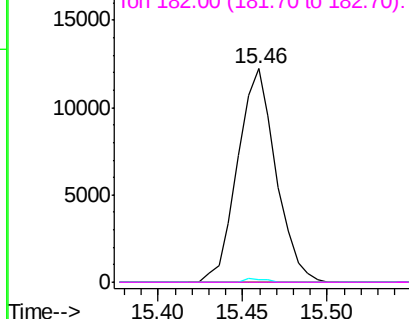


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

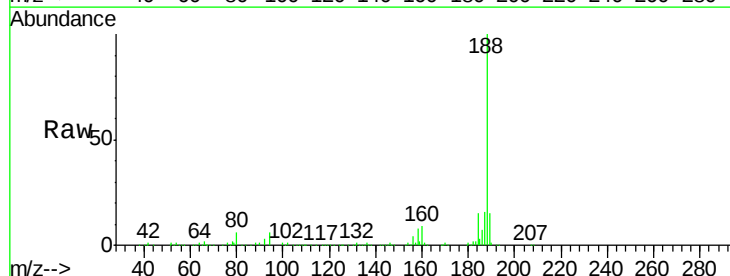
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031692.D
Acq: 22 Dec 2017 2:51

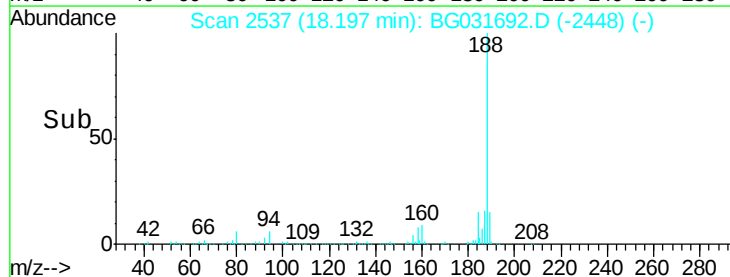
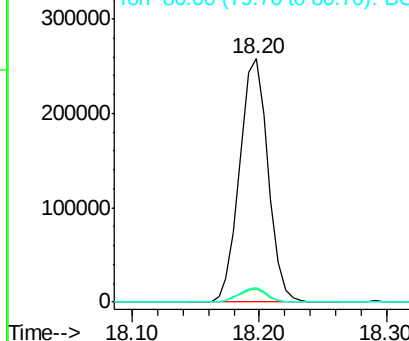
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	6.9	10.3#
80	5.9	7.7	11.5#

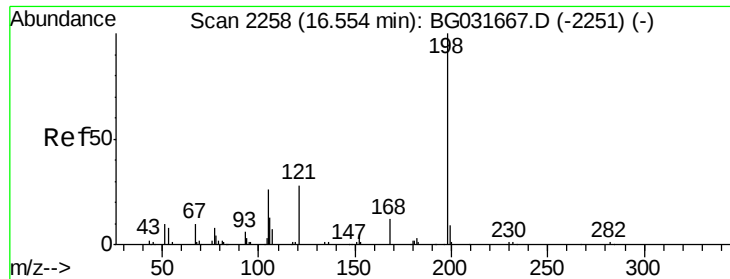


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

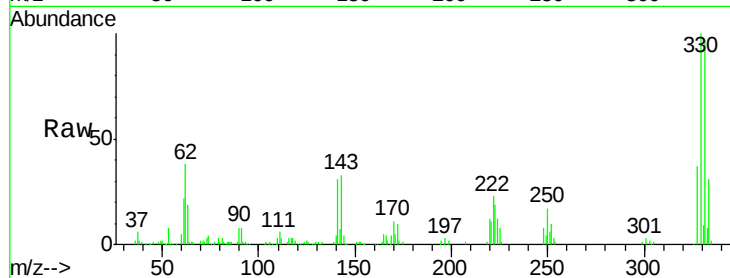




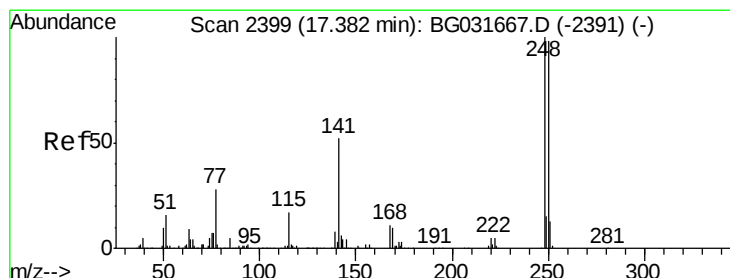
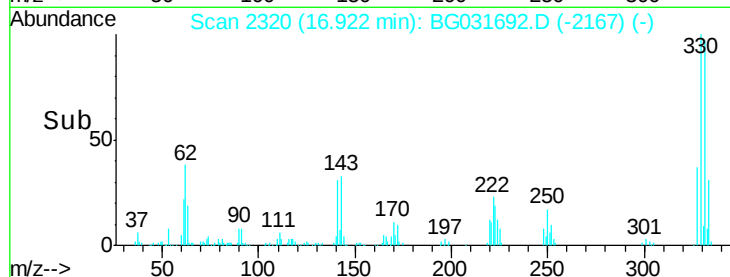
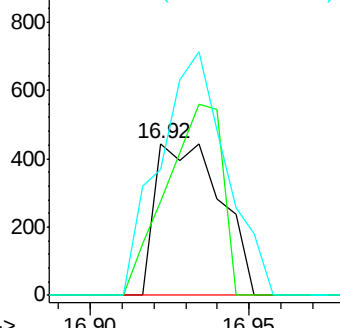
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.575 ng
 RT: 16.92 min Scan# 2320
 Delta R.T. 0.37 min
 Lab File: BG031692.D
 Acq: 22 Dec 2017 2:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 635
 Ion Ratio Lower Upper
 198 100
 51 62.0 30.6 70.6
 105 82.5 23.8 63.8#

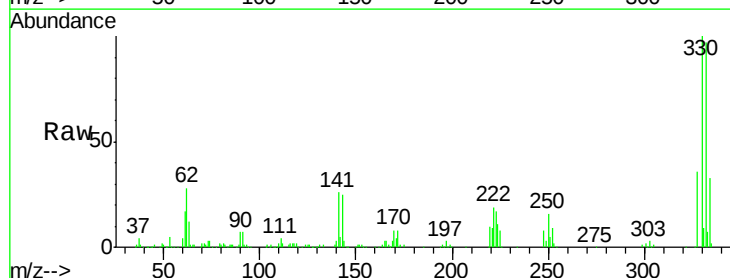


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

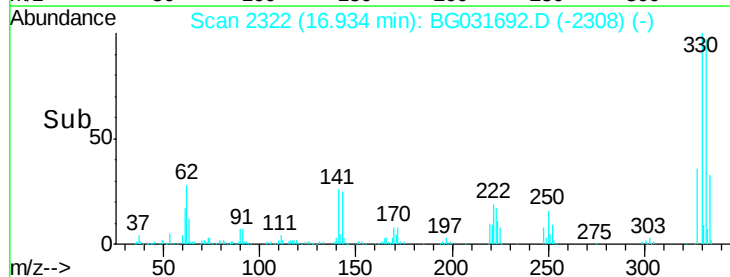
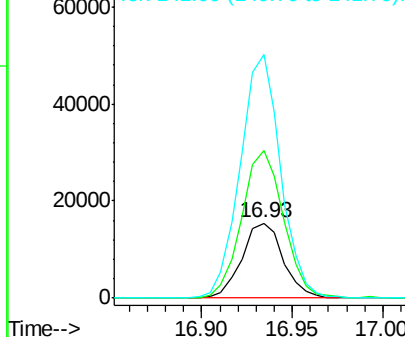


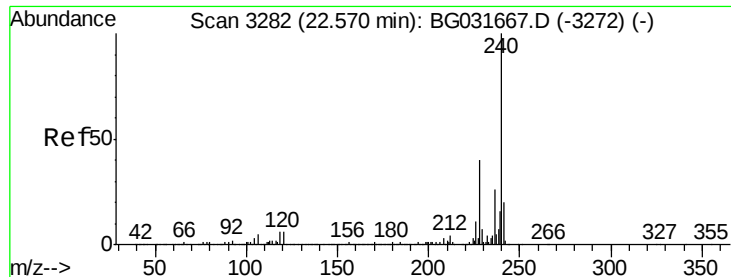
#66
 4-Bromophenyl-phenylether
 Concen: 4.225 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.45 min
 Lab File: BG031692.D
 Acq: 22 Dec 2017 2:51

Tgt Ion:248 Resp: 24467
 Ion Ratio Lower Upper
 248 100
 250 197.8 77.1 115.7#
 141 325.7 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: 22.56 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG031692.D

Acq: 22 Dec 2017 2:51

Instrument :

BNA_G

ClientSampleId :

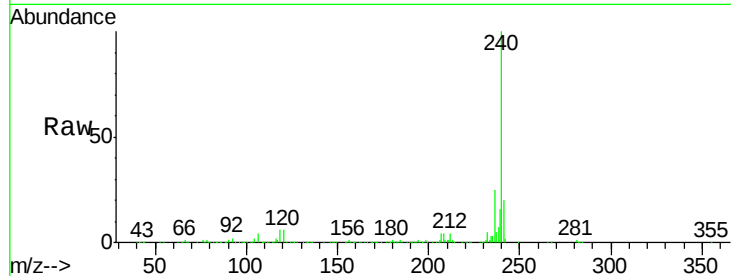
Tot Ion:240 Resp: 461436

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

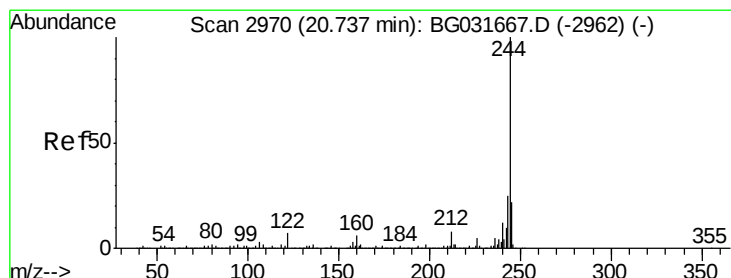
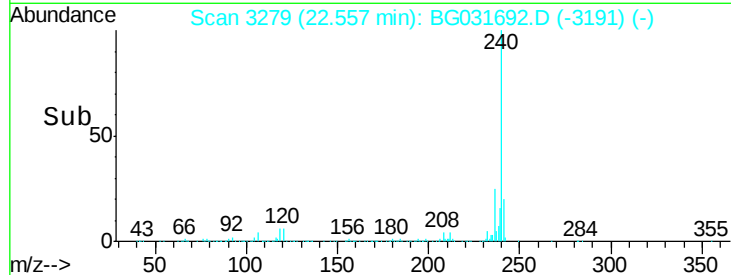
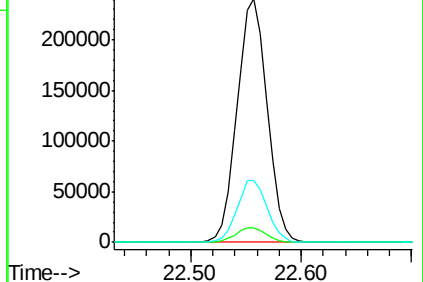
236 25.4 20.9 31.3



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: 71.255 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031692.D

Acq: 22 Dec 2017 2:51

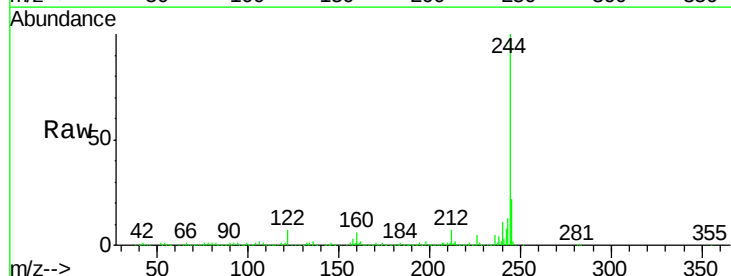
Tgt Ion:244 Resp: 1439151

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

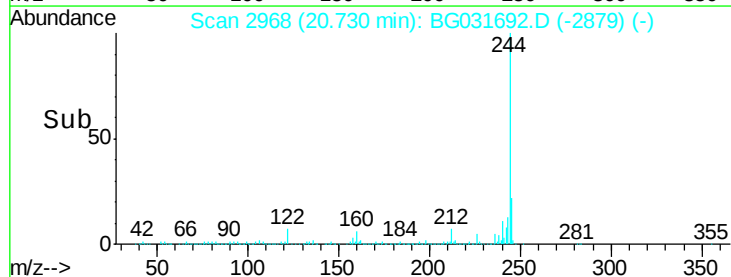
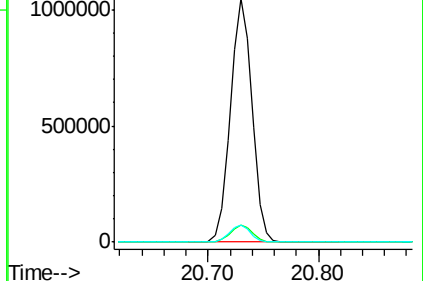
122 7.0 7.0 10.4

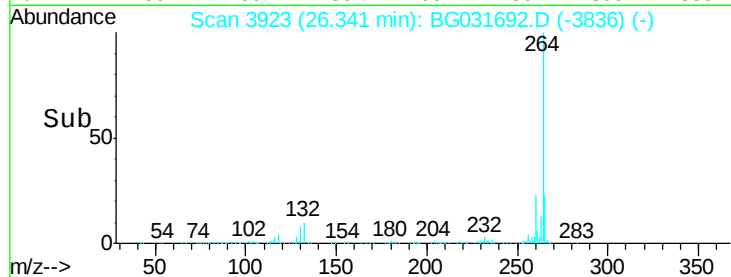
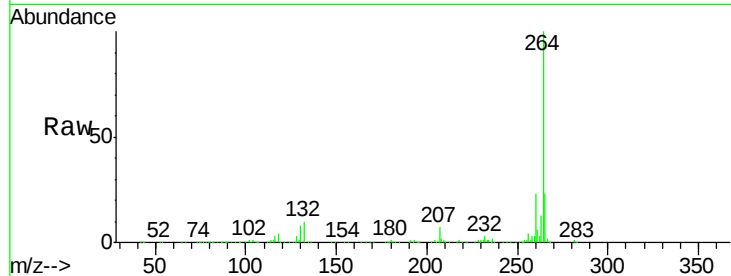
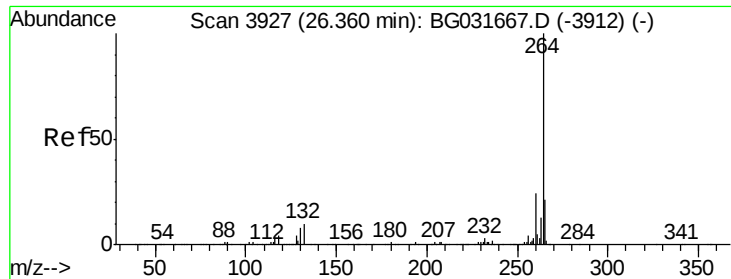


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG031692.D

Acq: 22 Dec 2017 2:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 264 Resp: 490470

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 22.7 17.7 26.5

