

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032058.D
 Acq On : 16 Jan 2018 7:58
 Operator : SJ/JU
 Sample : J1112-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 09:33:48 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

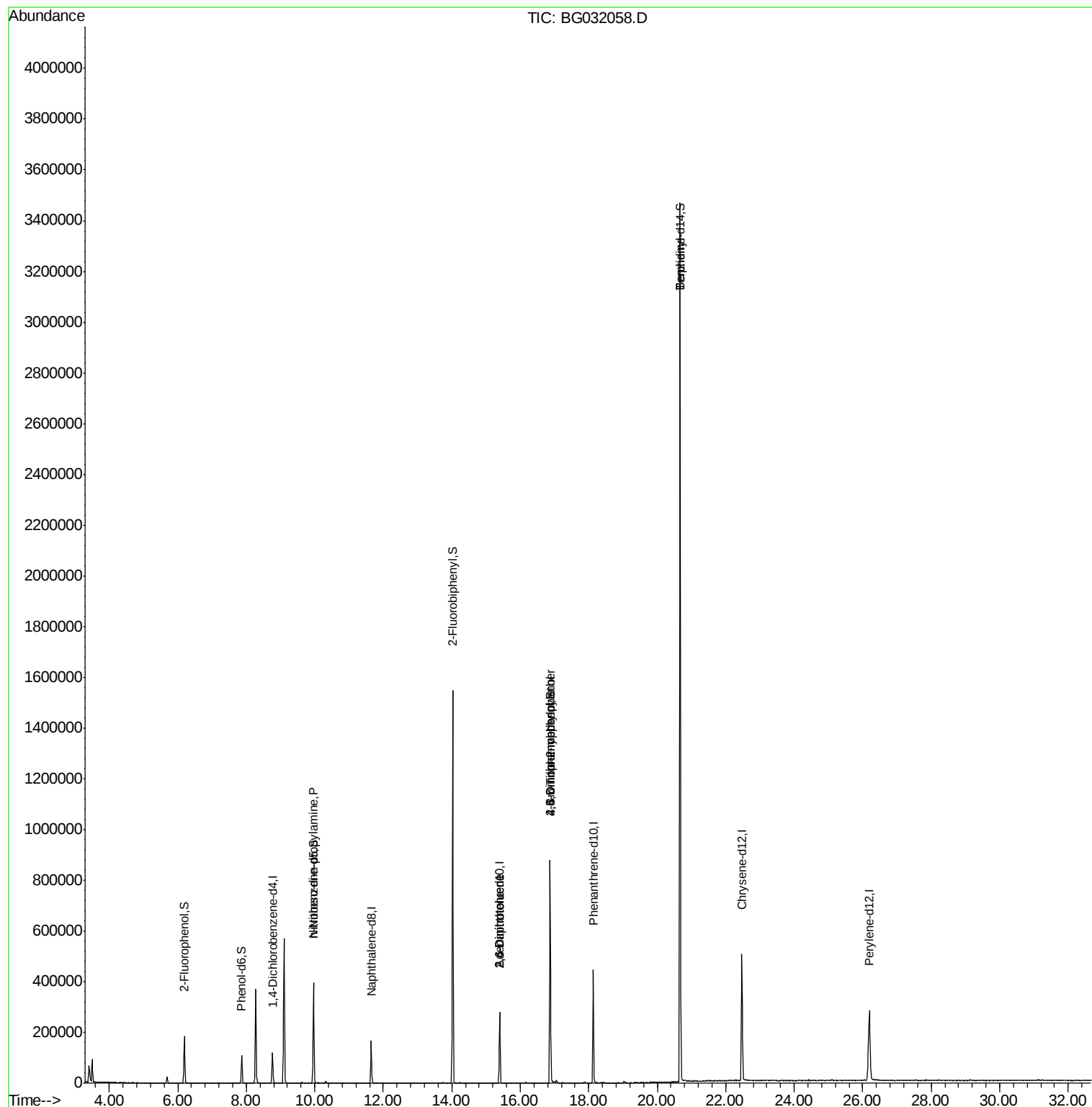
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	42065	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	159445	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	109825	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	312898	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	399240	20.00	ng	-0.01
86) Perylene-d12	26.19	264	404821	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.19	112	96259	41.85	ng	0.00
7) Phenol-d6	7.87	99	72244	24.94	ng	-0.01
23) Nitrobenzene-d5	9.96	82	252828	107.28	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	201606	110.93	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	922256	104.12	ng	0.00
78) Terphenyl-d14	20.67	244	1883382	104.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.96	70	34916	19.427	ng	# 76
50) 2,6-Dinitrotoluene	15.40	165	14926	7.482	ng	# 20
56) 2,4-Dinitrotoluene	15.40	165	14926	5.558	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.87	198	355	5.044	ng	# 1
66) 4-Bromophenyl-phenylether	16.87	248	16282	3.657	ng	# 1
76) Benzidine	20.67	184	26761	2.681	ng	# 91

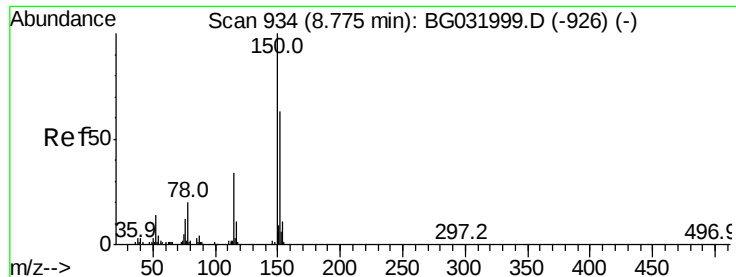
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 15 10:05:15 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.77 min Scan# 933

Delta R.T. -0.00 min

Lab File: BG032058.D

Acq: 16 Jan 2018 7:58

Instrument :

BNA_G

ClientSampleId :

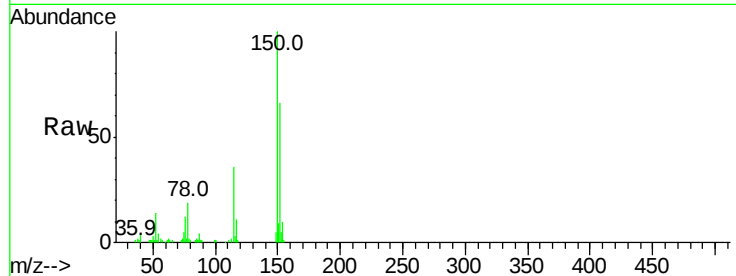
Tot Ion:152 Resp: 42065

Ion Ratio Lower Upper

152 100

150 150.7 126.6 189.8

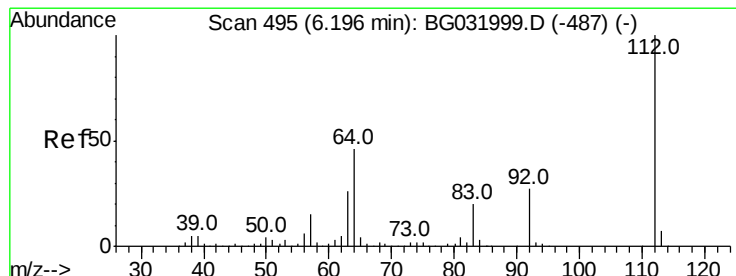
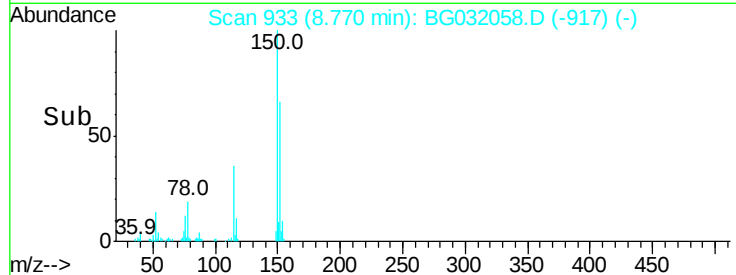
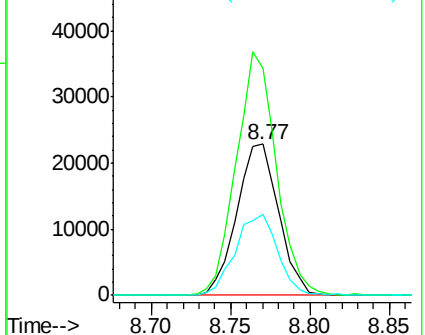
115 53.8 53.0 79.4



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: 41.852 ng

RT: 6.19 min Scan# 494

Delta R.T. -0.00 min

Lab File: BG032058.D

Acq: 16 Jan 2018 7:58

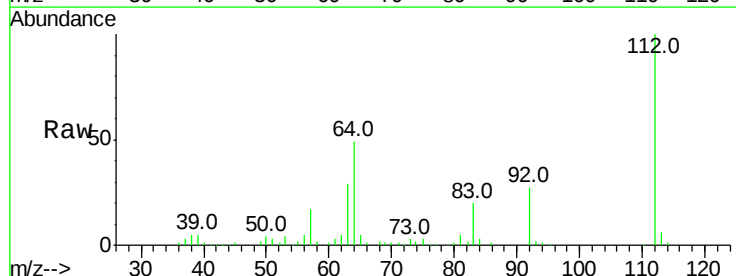
Tgt Ion:112 Resp: 96259

Ion Ratio Lower Upper

112 100

64 49.4 56.3 84.5#

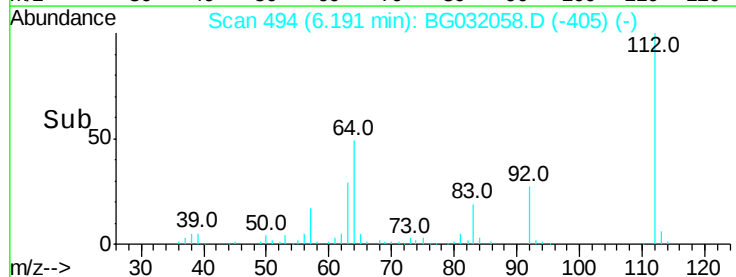
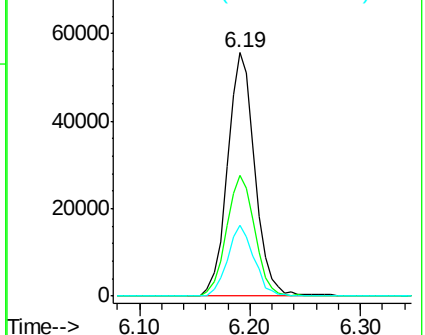
63 28.9 30.1 45.1#

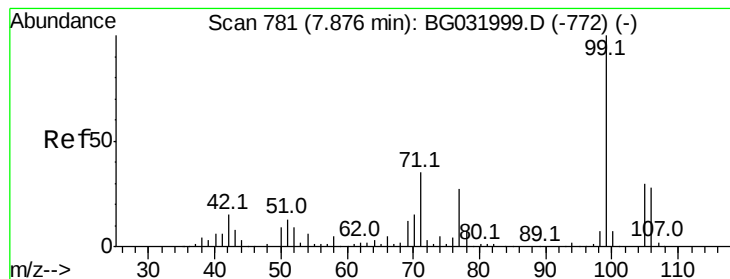


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 24.940 ng

RT: 7.87 min Scan# 779

Delta R.T. -0.01 min

Lab File: BG032058.D

Acq: 16 Jan 2018 7:58

Instrument :

BNA_G

ClientSampleId :

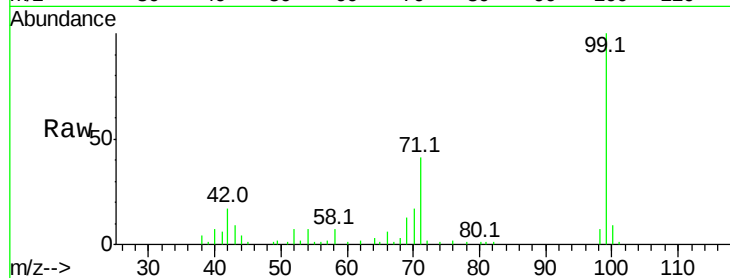
Tot Ion: 99 Resp: 72244

Ion Ratio Lower Upper

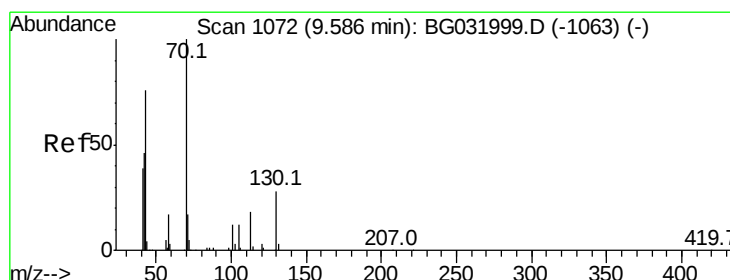
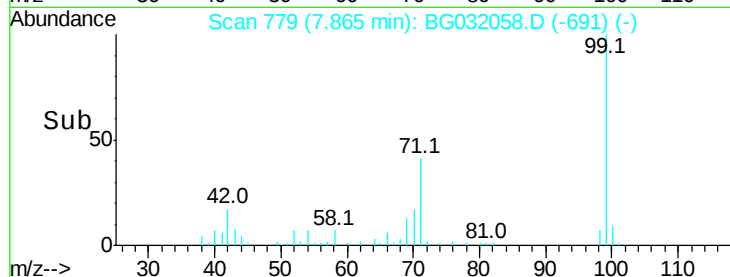
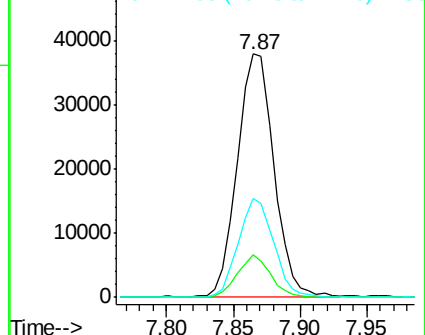
99 100

42 17.4 14.1 21.1

71 40.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 19.427 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032058.D

Acq: 16 Jan 2018 7:58

Tgt Ion: 70 Resp: 34916

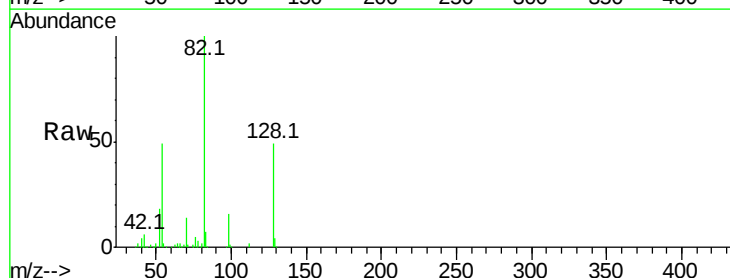
Ion Ratio Lower Upper

70 100

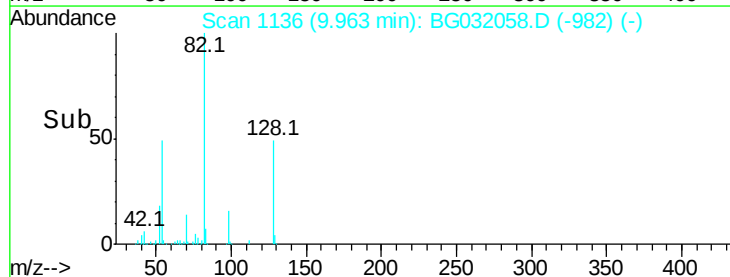
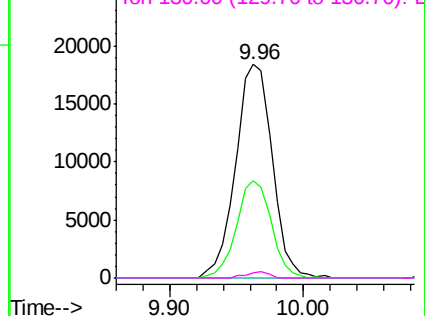
42 45.4 49.1 73.7#

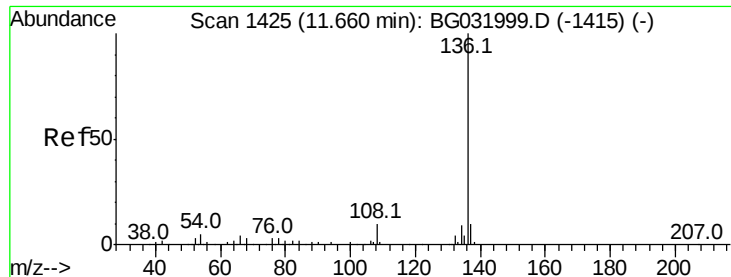
101 0.0 8.5 12.7#

130 2.2 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: 11.65 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BG032058.D

Acq: 16 Jan 2018 7:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 159445

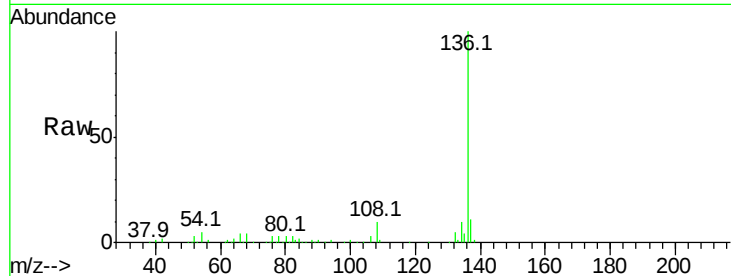
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 5.5 10.3 15.5#

68 3.8 4.5 6.7#

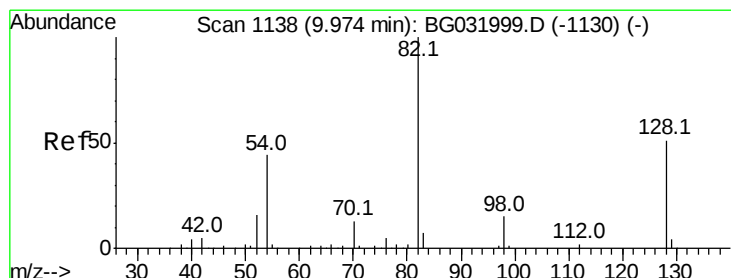
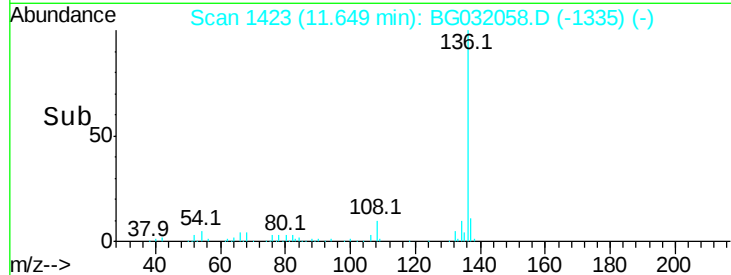
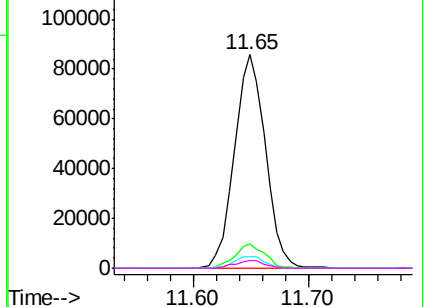


Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.278 ng

RT: 9.96 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BG032058.D

Acq: 16 Jan 2018 7:58

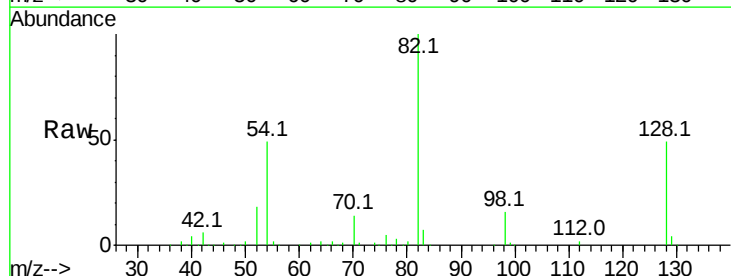
Tgt Ion: 82 Resp: 252828

Ion Ratio Lower Upper

82 100

128 49.0 29.7 44.5#

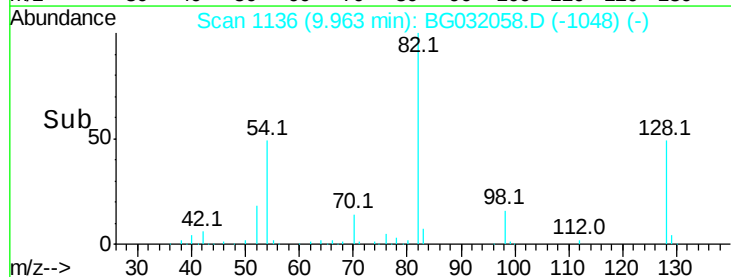
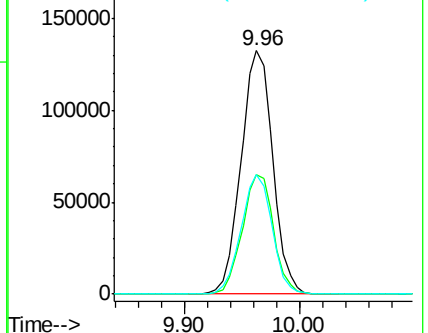
54 49.2 43.1 64.7

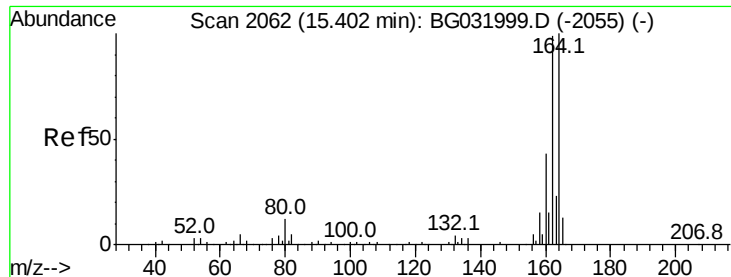


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

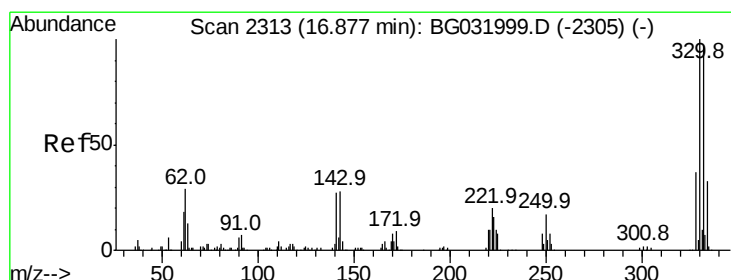
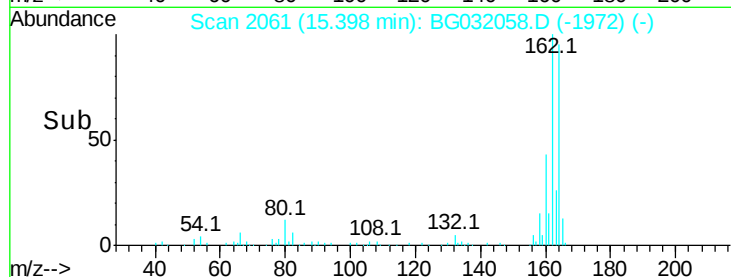
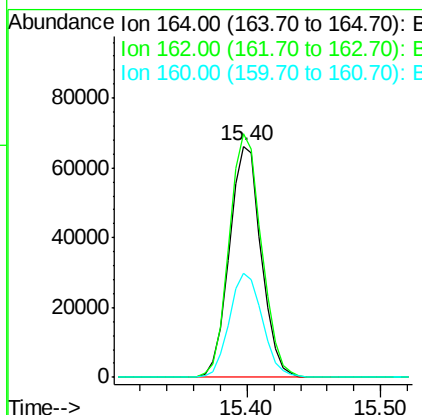
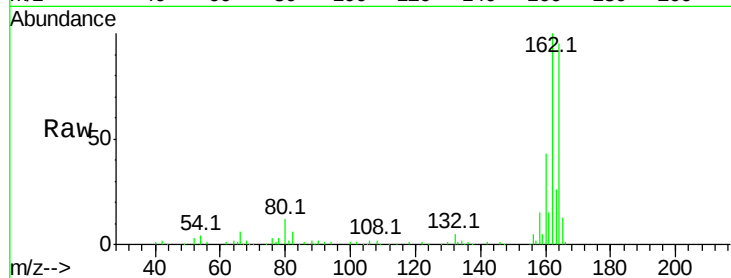




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG032058.D
Acq: 16 Jan 2018 7:58

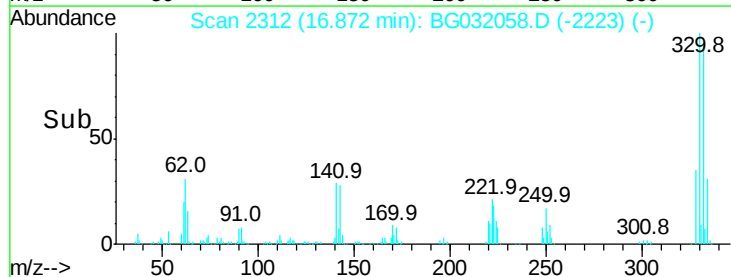
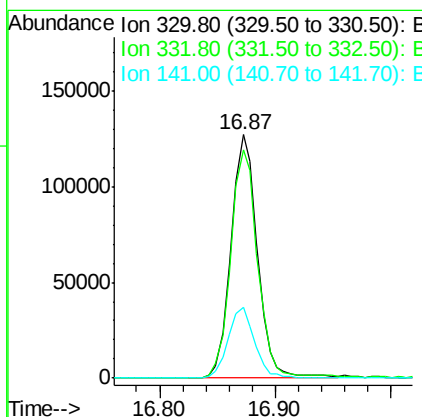
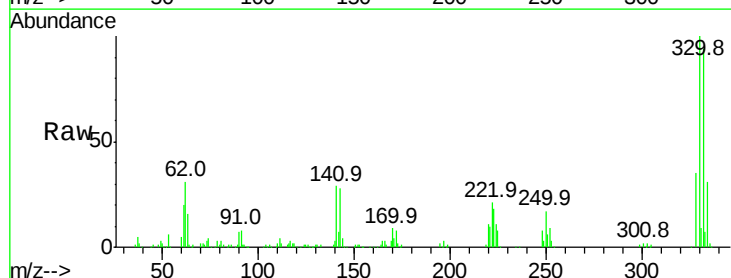
Instrument :
BNA_G
ClientSampleId :

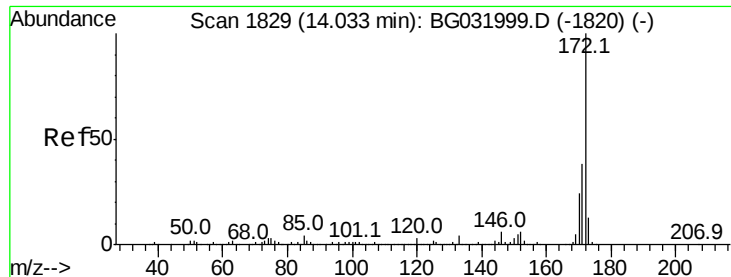
Tot Ion:164 Resp: 109825
Ion Ratio Lower Upper
164 100
162 105.4 78.8 118.2
160 44.8 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 110.934 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.00 min
Lab File: BG032058.D
Acq: 16 Jan 2018 7:58

Tgt Ion:330 Resp: 201606
Ion Ratio Lower Upper
330 100
332 94.9 77.0 115.6
141 29.4 25.2 37.8

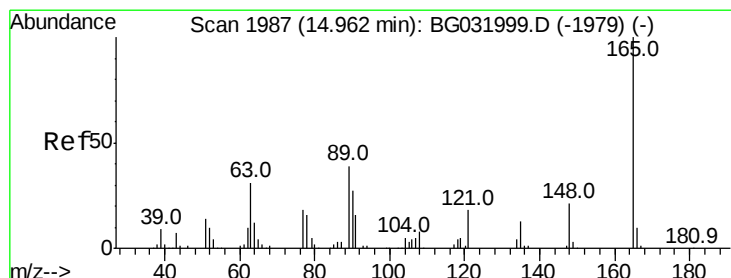
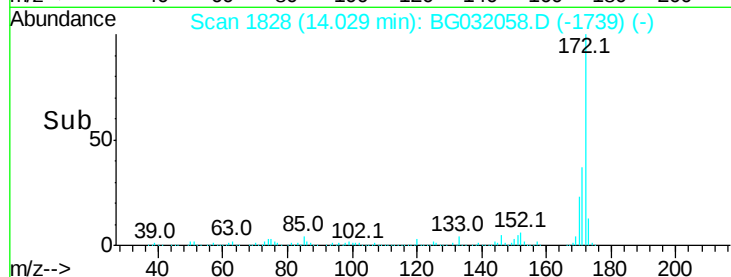
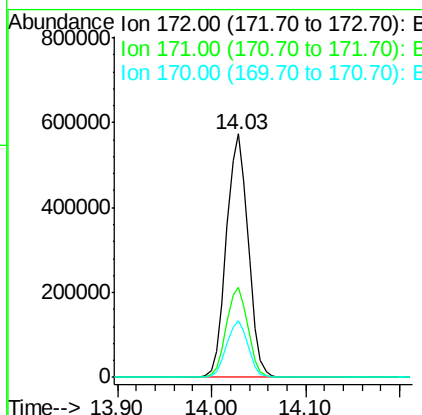
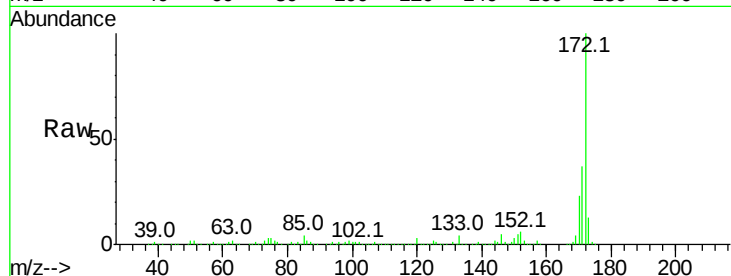




#44
 2-Fluorobiphenyl
 Concen: 104.125 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BG032058.D
 Acq: 16 Jan 2018 7:58

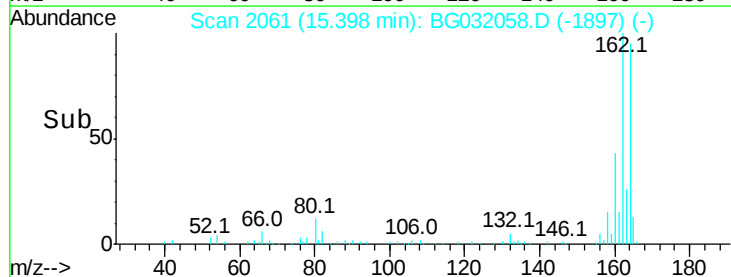
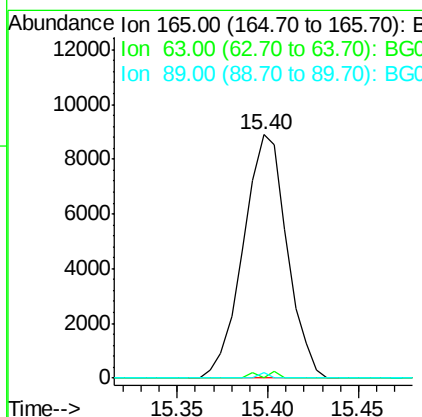
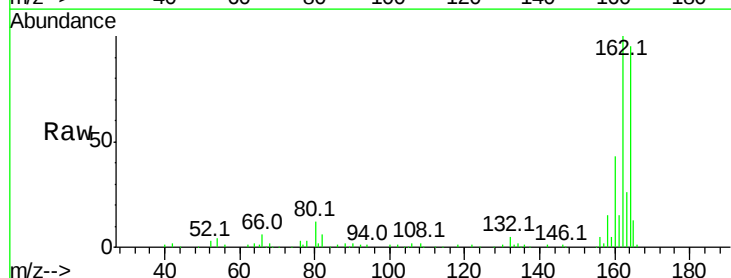
Instrument :
 BNA_G
 ClientSampleId :

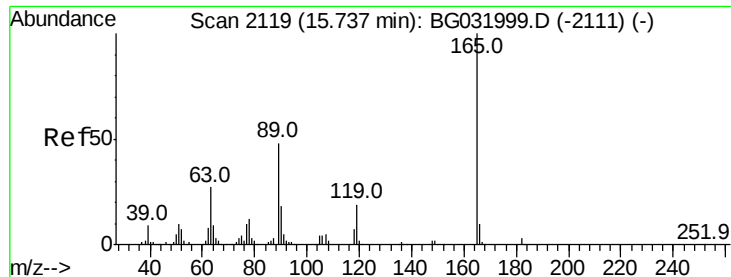
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	23.5	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.482 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.44 min
 Lab File: BG032058.D
 Acq: 16 Jan 2018 7:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.4	49.2	73.8#

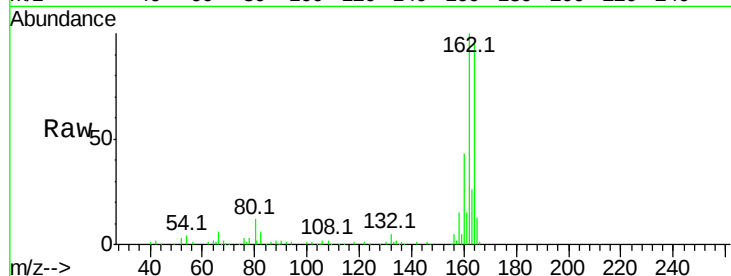




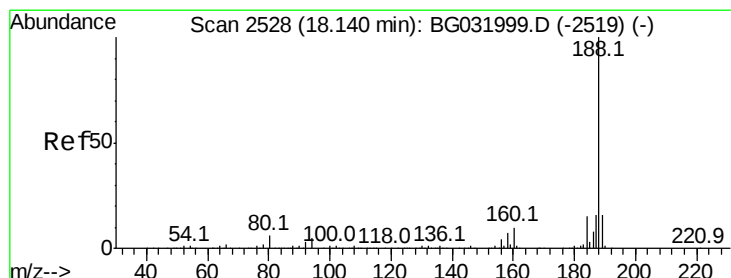
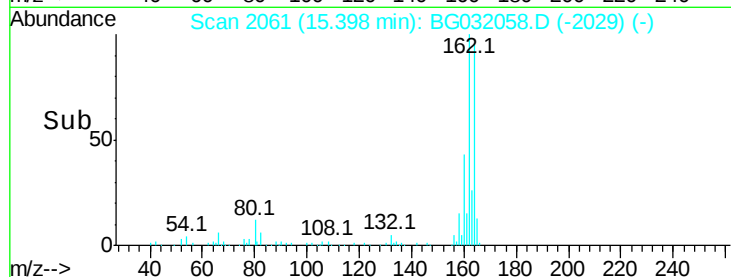
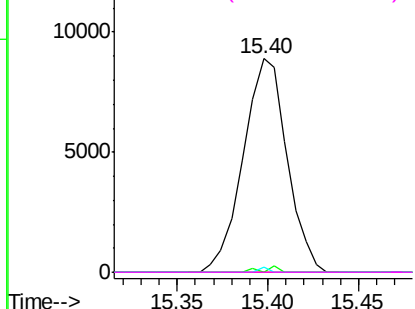
#56
2,4-Dinitrotoluene
Concen: 5.558 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.34 min
Lab File: BG032058.D
Acq: 16 Jan 2018 7:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 14926
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.4 66.9 100.3#
182 0.0 2.6 3.8#

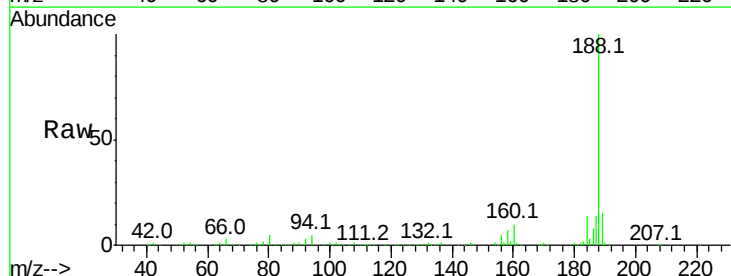


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

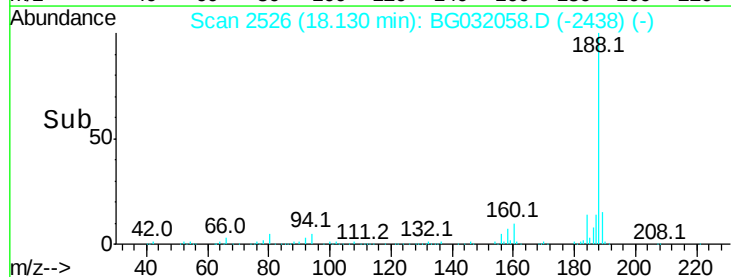
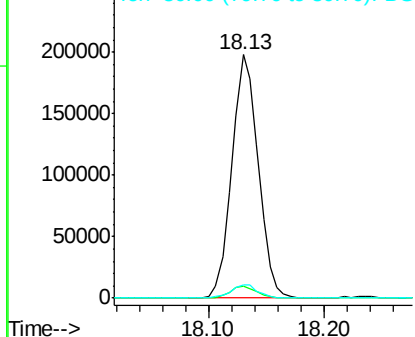


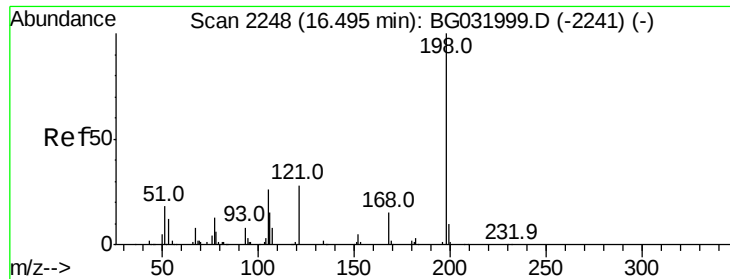
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BG032058.D
Acq: 16 Jan 2018 7:58

Tgt Ion:188 Resp: 312898
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 5.2 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

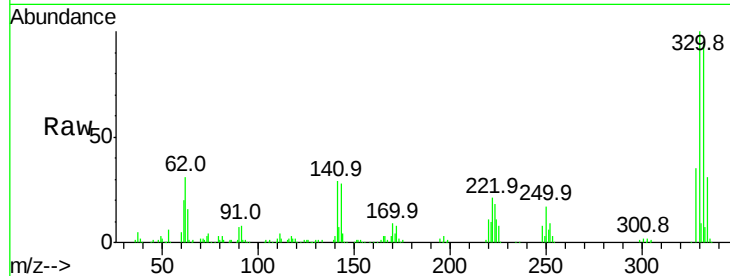




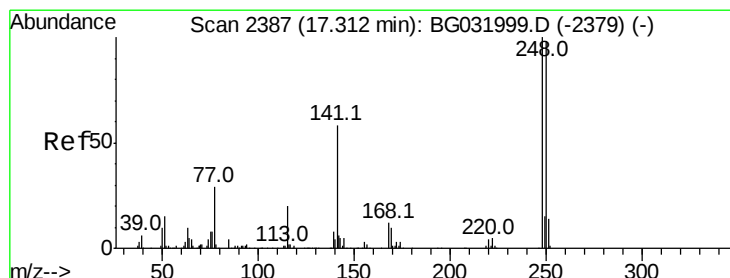
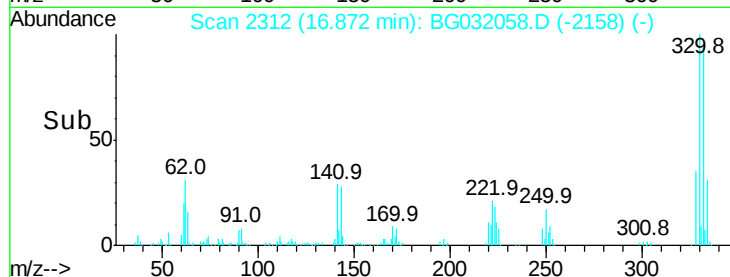
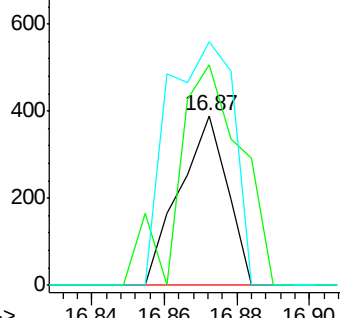
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.044 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. 0.38 min
 Lab File: BG032058.D
 Acq: 16 Jan 2018 7:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 355
 Ion Ratio Lower Upper
 198 100
 51 130.3 30.6 70.6#
 105 143.3 23.8 63.8#

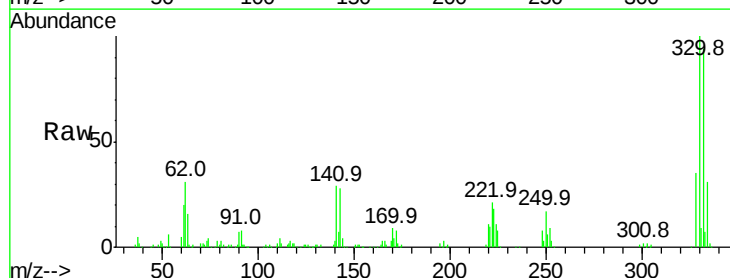


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

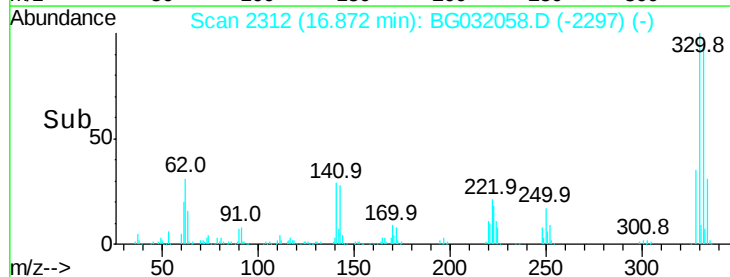
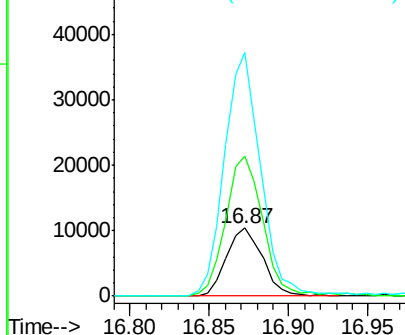


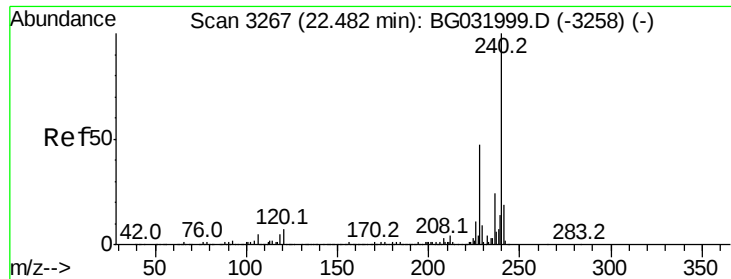
#66
 4-Bromophenyl-phenylether
 Concen: 3.657 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032058.D
 Acq: 16 Jan 2018 7:58

Tgt Ion:248 Resp: 16282
 Ion Ratio Lower Upper
 248 100
 250 205.7 77.1 115.7#
 141 357.6 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

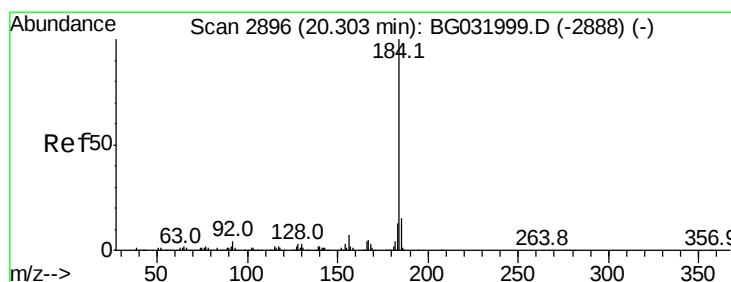
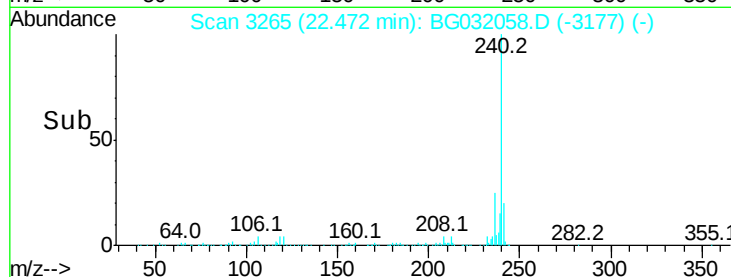
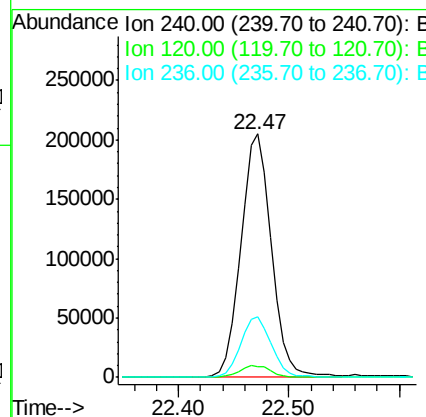
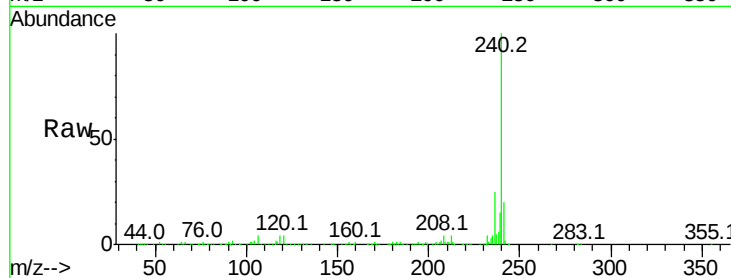




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.47 min Scan# 3265
 Delta R.T. -0.01 min
 Lab File: BG032058.D
 Acq: 16 Jan 2018 7:58

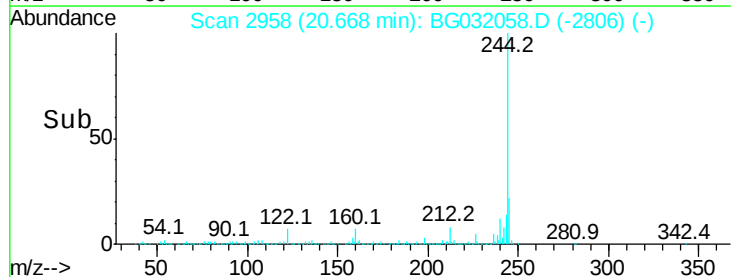
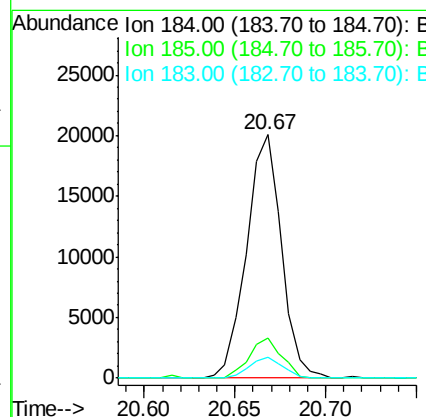
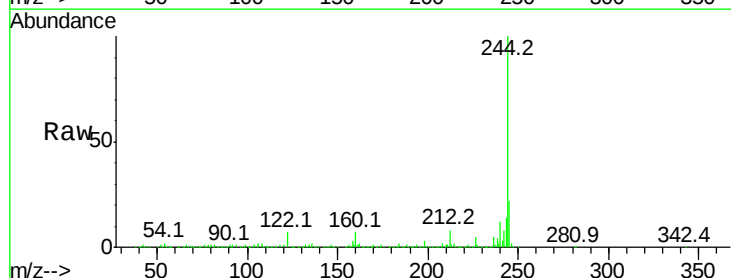
Instrument :
 BNA_G
 ClientSampleId :

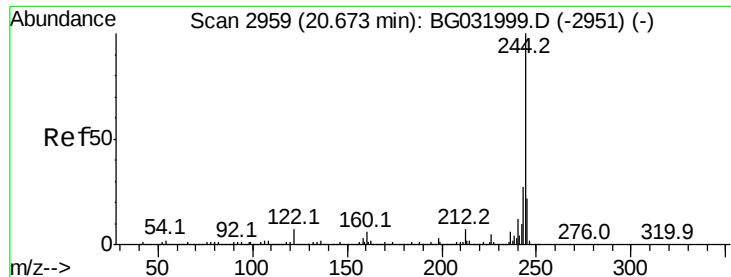
Tot Ion:240 Resp: 399240
 Ion Ratio Lower Upper
 240 100
 120 4.5 6.8 10.2#
 236 24.8 20.9 31.3



#76
 Benzidine
 Concen: 2.681 ng
 RT: 20.67 min Scan# 2958
 Delta R.T. 0.37 min
 Lab File: BG032058.D
 Acq: 16 Jan 2018 7:58

Tgt Ion:184 Resp: 26761
 Ion Ratio Lower Upper
 184 100
 185 16.5 11.1 16.7
 183 8.4 10.6 16.0#





#78

Terphenyl-d14

Concen: 104.163 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.00 min

Lab File: BG032058.D

Acq: 16 Jan 2018 7:58

Instrument :

BNA_G

ClientSampleId :

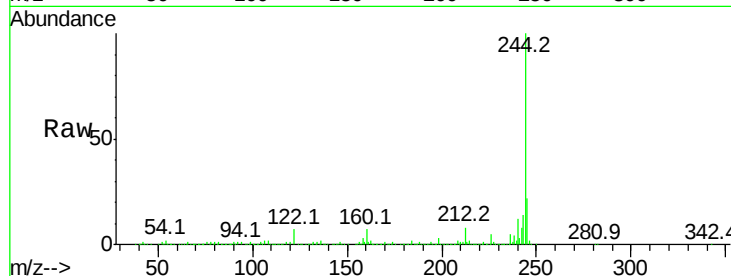
Tot Ion:244 Resp: 1883382

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	6.5	7.0	10.4

244 100

212 7.7 5.8 8.8

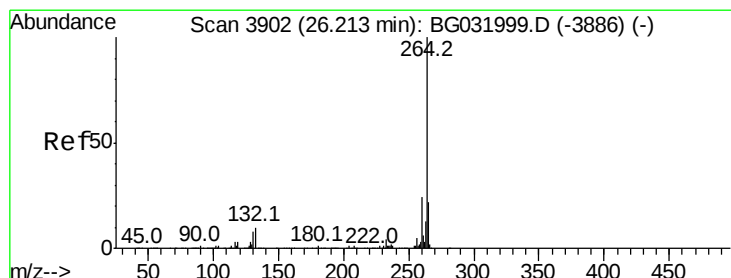
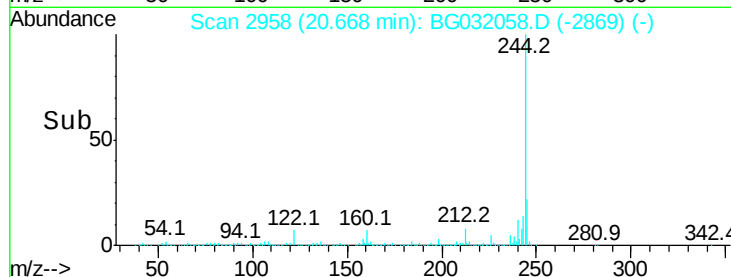
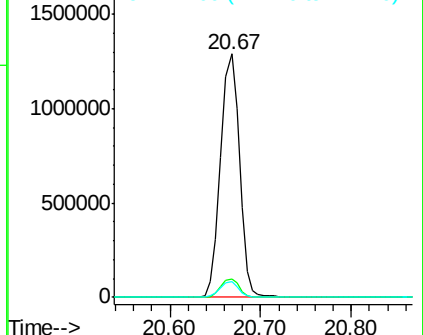
122 6.5 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.19 min Scan# 3898

Delta R.T. -0.02 min

Lab File: BG032058.D

Acq: 16 Jan 2018 7:58

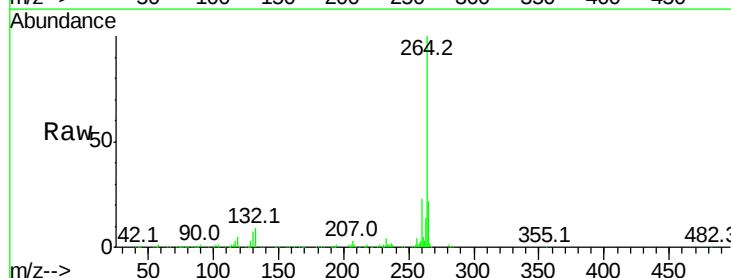
Tgt Ion:264 Resp: 404821

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	22.0	17.7	26.5

264 100

260 23.4 17.4 26.0

265 22.0 17.7 26.5



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

