

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032060.D
 Acq On : 16 Jan 2018 9:13
 Operator : SJ/JU
 Sample : J1112-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 09:55:38 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

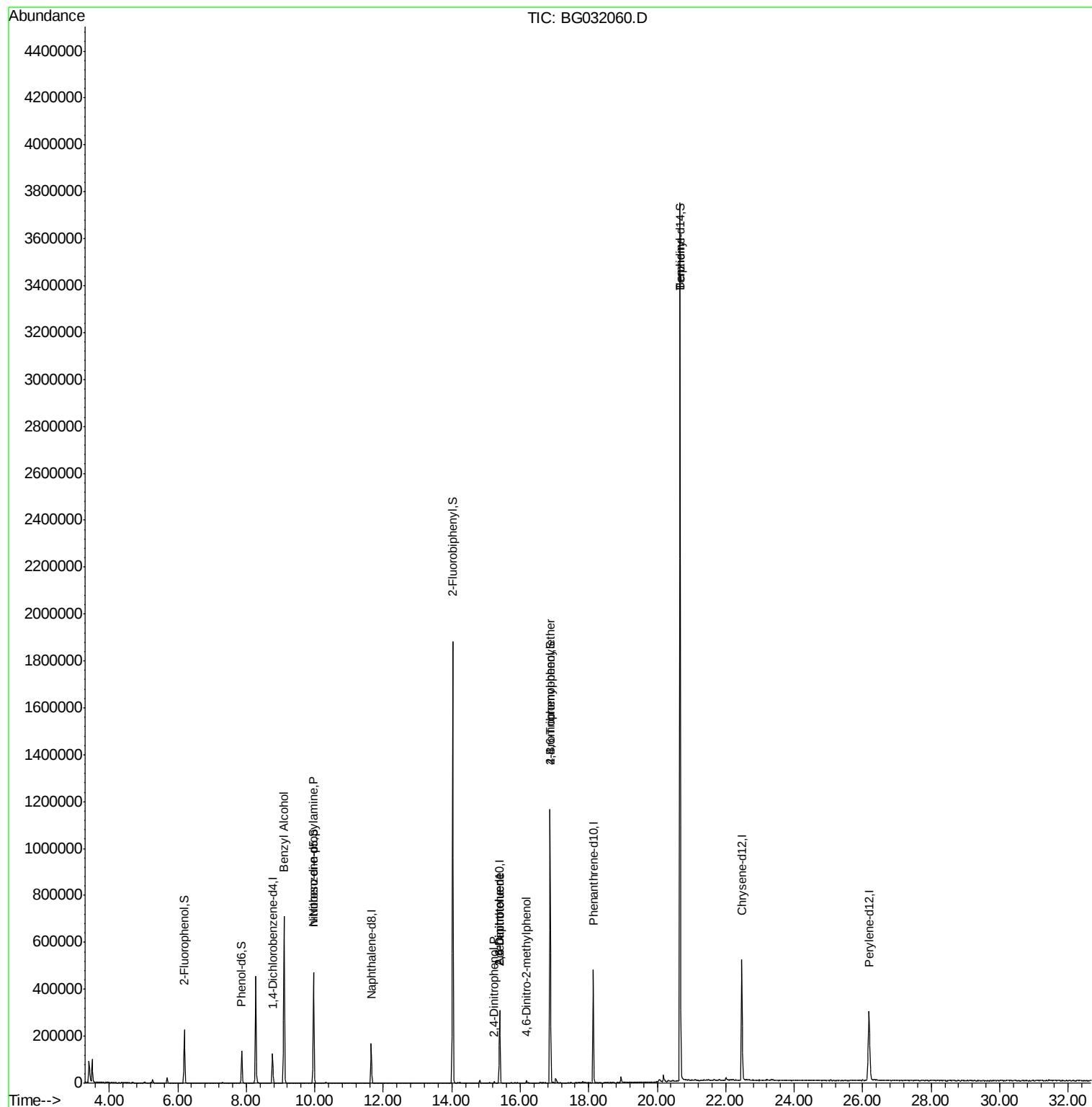
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	42904	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	166815	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	121663	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	330721	20.00	ng	-0.01
75) Chrysene-d12	22.46	240	400395	20.00	ng	-0.02
86) Perylene-d12	26.18	264	407252	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.19	112	117216	49.97	ng	0.00
7) Phenol-d6	7.87	99	90713	30.70	ng	0.00
23) Nitrobenzene-d5	9.96	82	309897	125.68	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	261930	130.10	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1123402	114.49	ng	0.00
78) Terphenyl-d14	20.67	244	2017515	111.26	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.10	79	5850	2.726	ng	# 47
19) n-Nitroso-di-n-propylamine	9.96	70	43075	23.498	ng	# 72
50) 2,6-Dinitrotoluene	15.40	165	15171	6.865	ng	# 18
53) 2,4-Dinitrophenol	15.23	184	55	7.009	ng	# 1
56) 2,4-Dinitrotoluene	15.40	165	15171	5.099	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.18	198	55	4.908	ng	# 29
66) 4-Bromophenyl-phenylether	16.87	248	22127	4.702	ng	# 1
76) Benzidine	20.67	184	28931	2.890	ng	# 90

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

Instrument :

BNA_G

ClientSampleId :

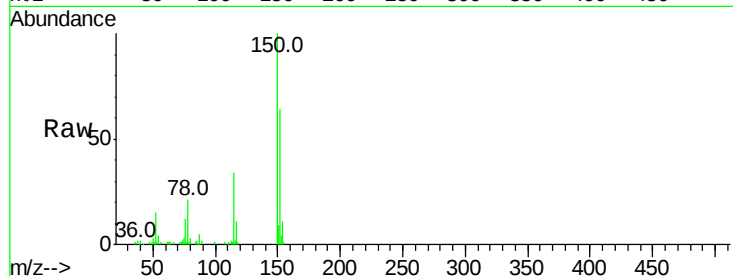
Tot Ion:152 Resp: 42904

Ion Ratio Lower Upper

152 100

150 157.1 126.6 189.8

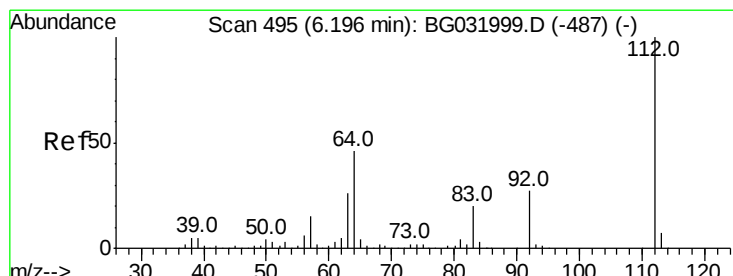
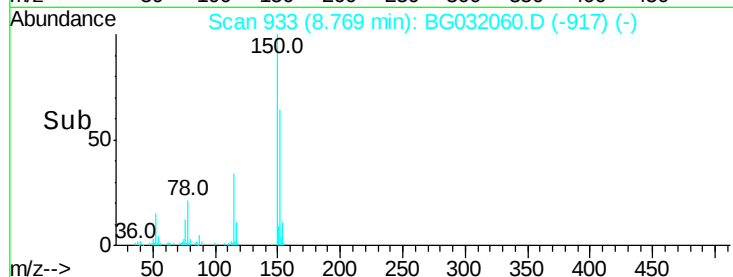
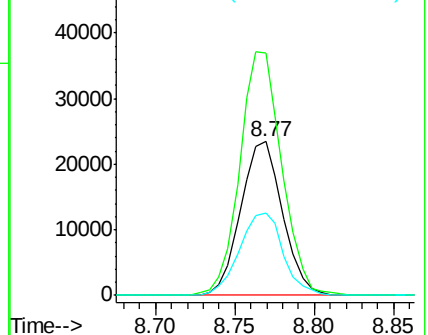
115 53.2 53.0 79.4



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: 49.967 ng

RT: 6.19 min Scan# 494

Delta R.T. -0.01 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

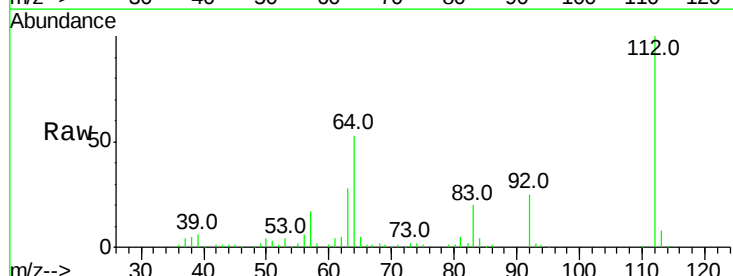
Tgt Ion:112 Resp: 117216

Ion Ratio Lower Upper

112 100

64 52.8 56.3 84.5#

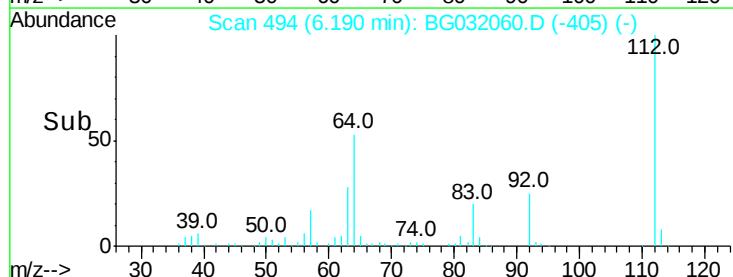
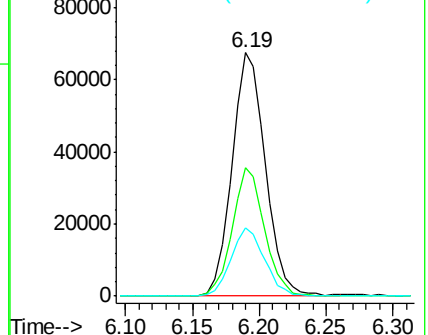
63 28.3 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 30.704 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

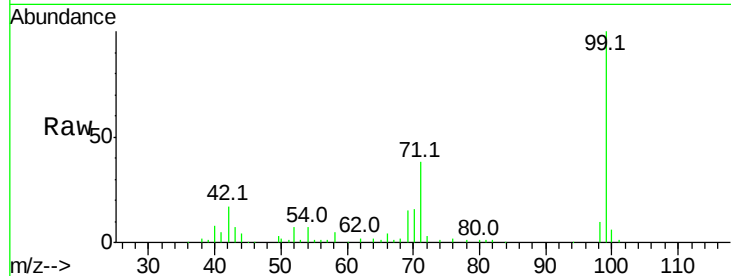
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 90713

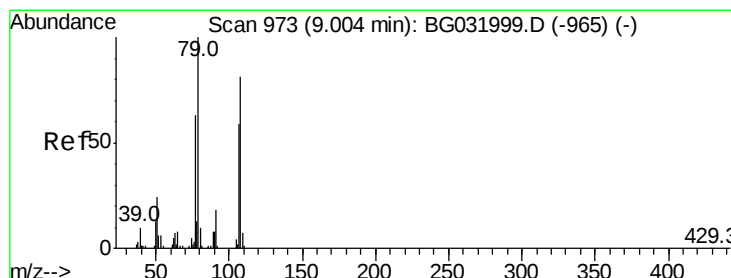
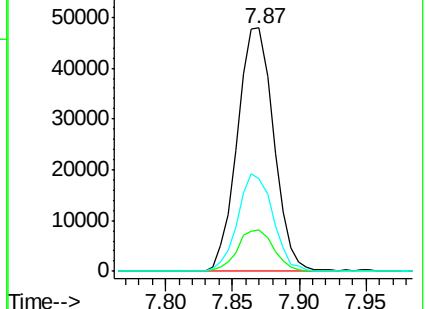
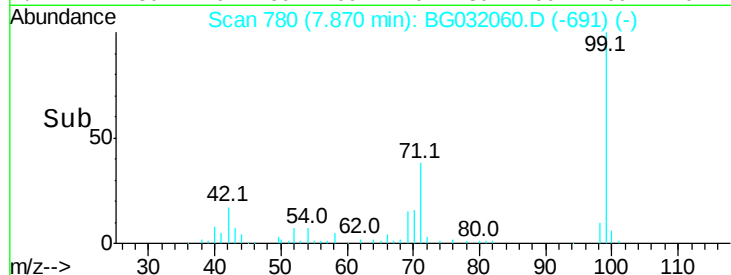
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.1	21.1
71	38.2	26.1	39.1



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



#15

Benzyl Alcohol

Concen: 2.726 ng

RT: 9.10 min Scan# 990

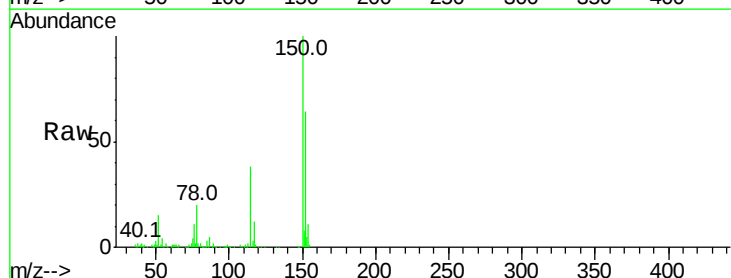
Delta R.T. 0.10 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

Tgt Ion: 79 Resp: 5850

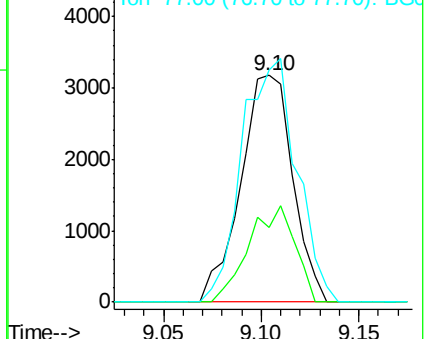
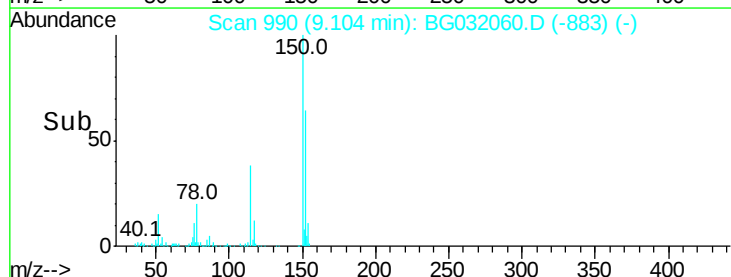
Ion	Ratio	Lower	Upper
79	100		
108	32.7	57.2	85.8#
77	102.6	46.1	69.1#

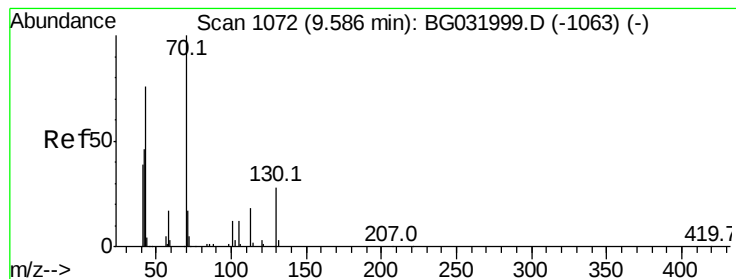


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 23.498 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 43075

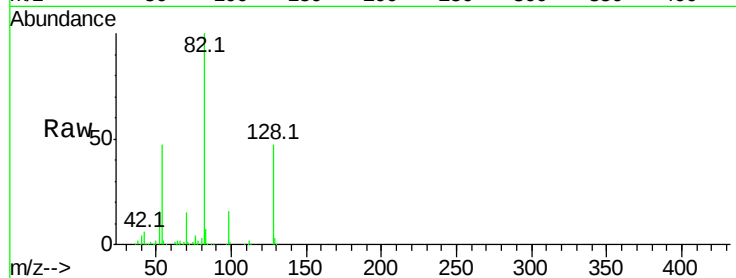
Ion Ratio Lower Upper

70 100

42 41.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

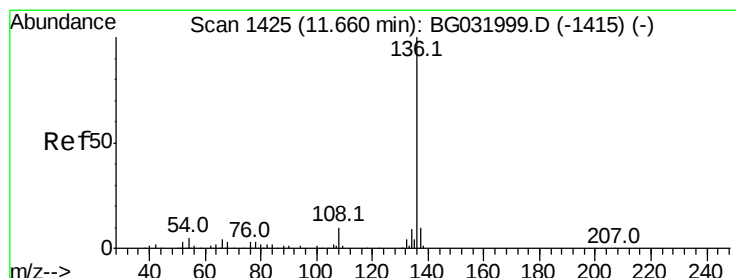
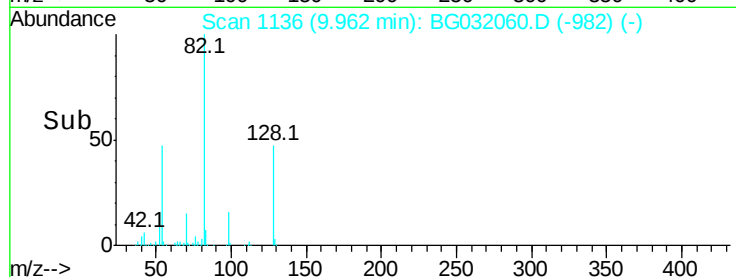
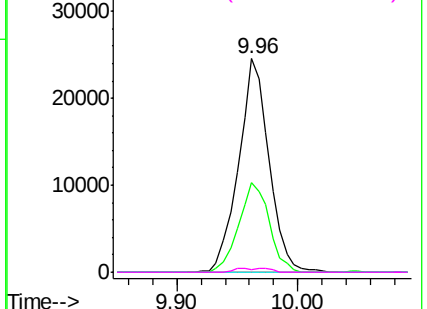


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG032060.D

Acq: 16 Jan 2018 9:13

Tgt Ion: 136 Resp: 166815

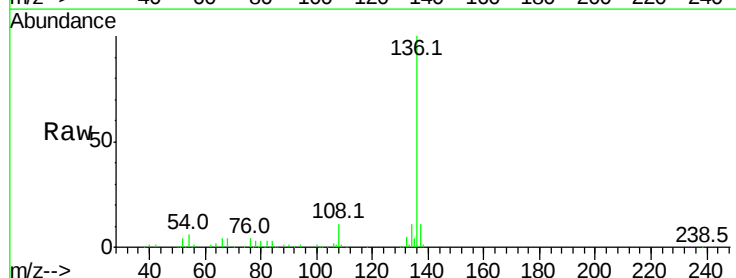
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 5.8 10.3 15.5#

68 3.8 4.5 6.7#

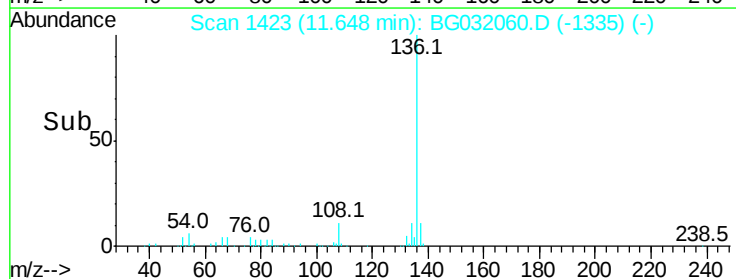
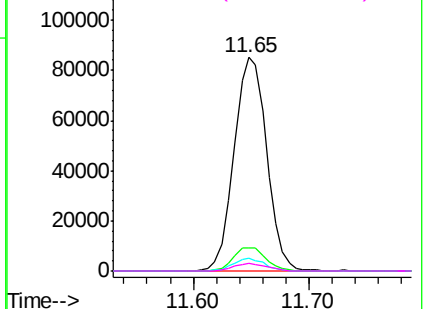


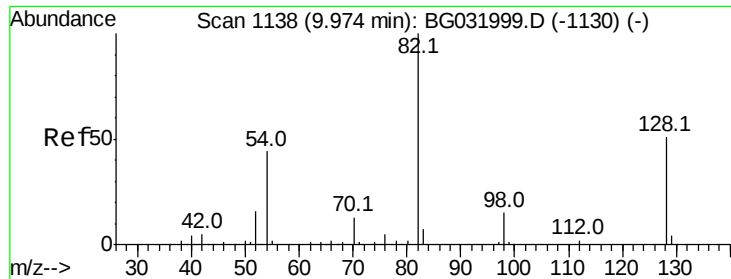
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

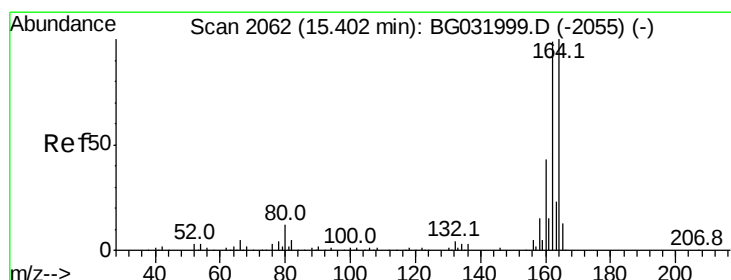
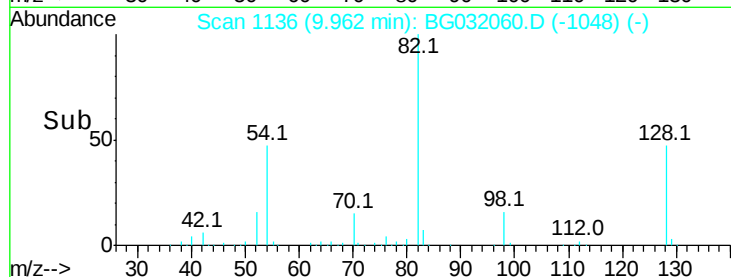
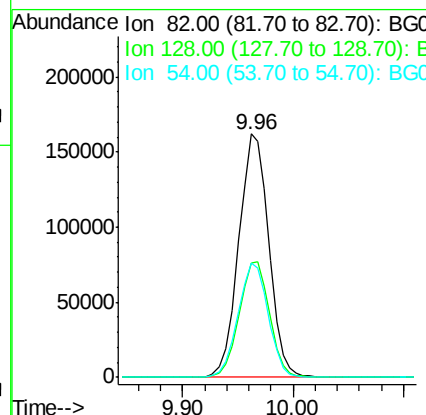
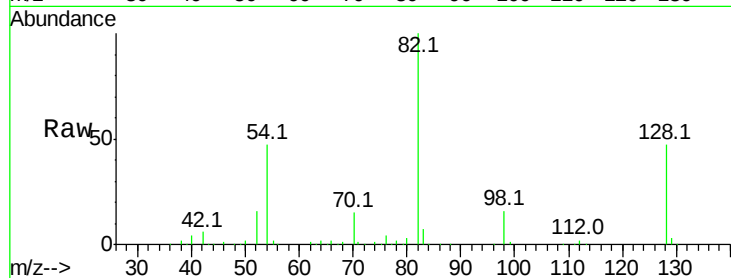




#23
Nitrobenzene-d5
Concen: 125.683 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032060.D
Acq: 16 Jan 2018 9:13

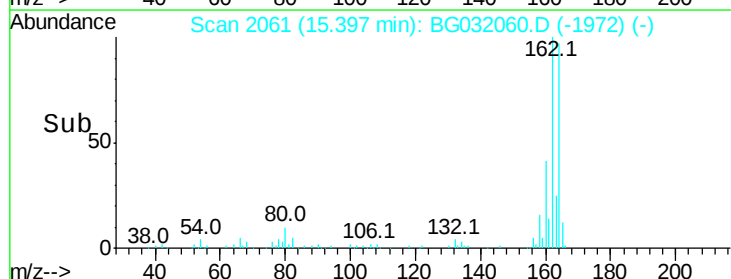
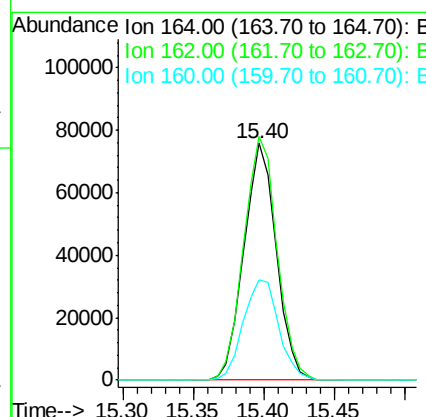
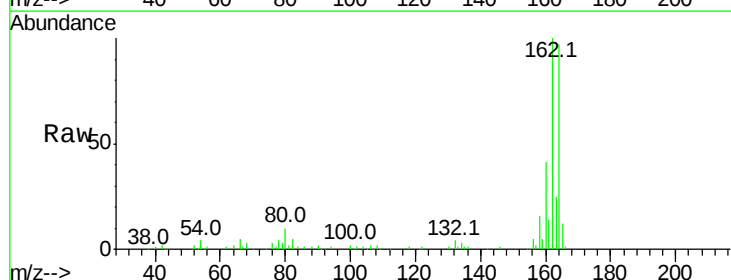
Instrument :
BNA_G
ClientSampled :

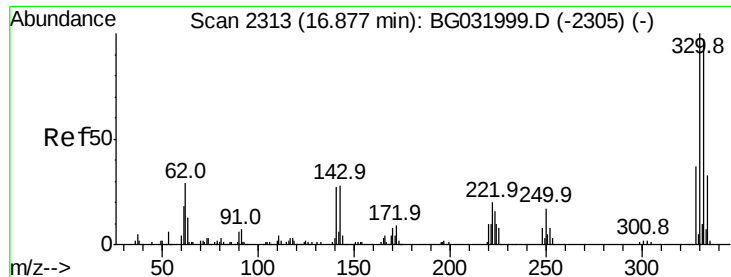
Tot Ion: 82 Resp: 309897
Ion Ratio Lower Upper
82 100
128 46.7 29.7 44.5#
54 47.0 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG032060.D
Acq: 16 Jan 2018 9:13

Tgt Ion:164 Resp: 121663
Ion Ratio Lower Upper
164 100
162 102.7 78.8 118.2
160 42.4 35.4 53.0

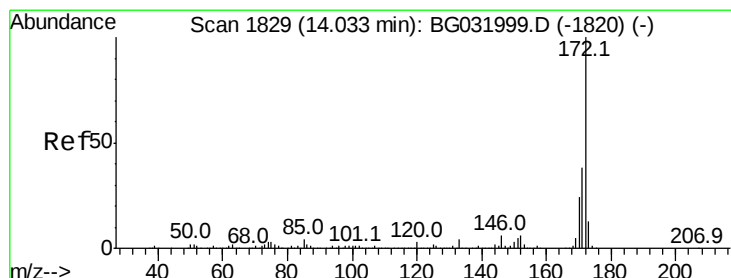
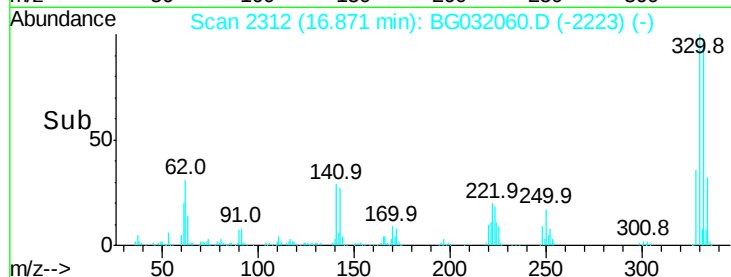
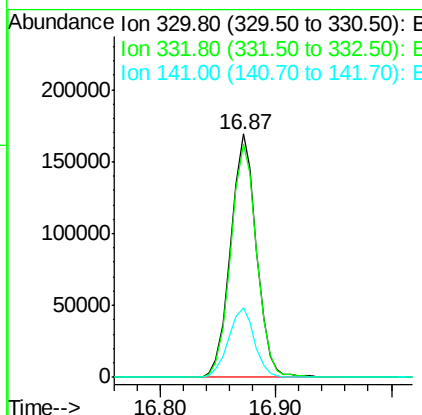
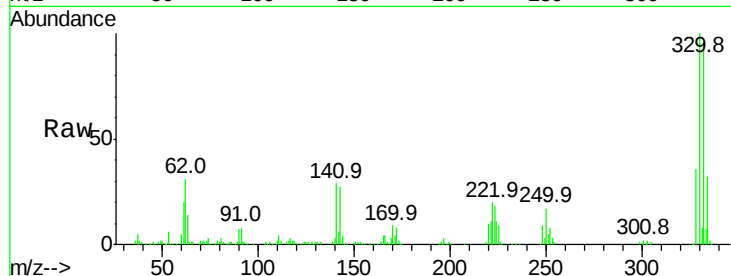




#41
 2,4,6-Tribromophenol
 Concen: 130.104 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BG032060.D
 Acq: 16 Jan 2018 9:13

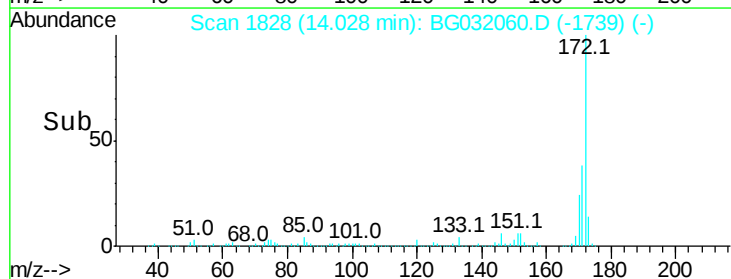
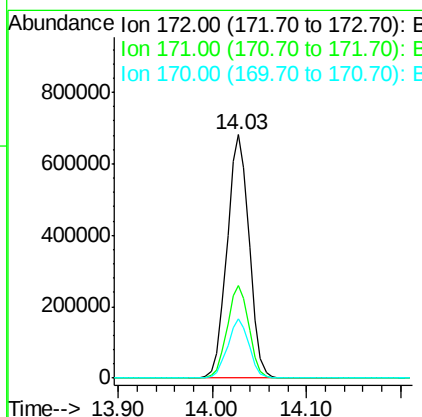
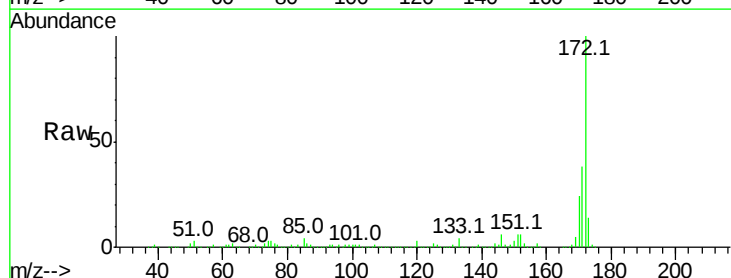
Instrument :
 BNA_G
 ClientSampleId :

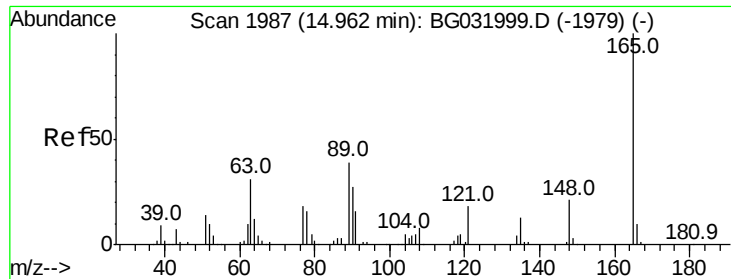
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	28.6	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 114.494 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032060.D
 Acq: 16 Jan 2018 9:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	24.2	19.5	29.3





#50

2,6-Dinitrotoluene

Concen: 6.865 ng

RT: 15.40 min Scan# 2061

Delta R.T. 0.43 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

Instrument :

BNA_G

ClientSampleId :

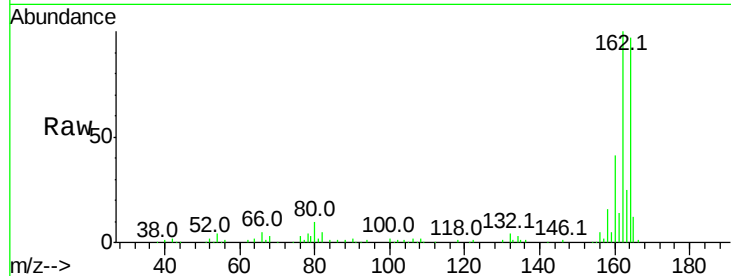
Tot Ion:165 Resp: 15171

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

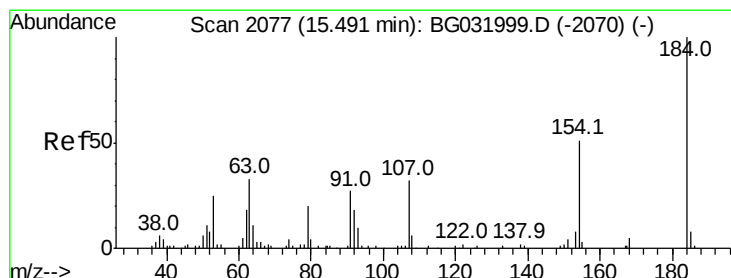
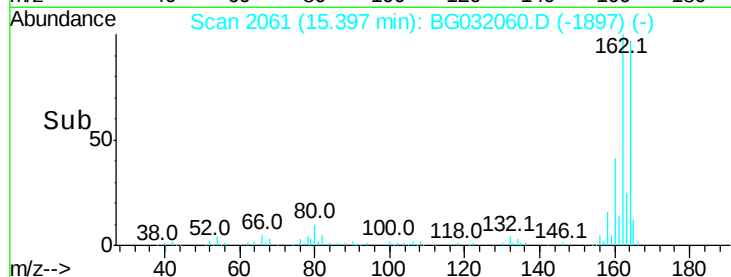
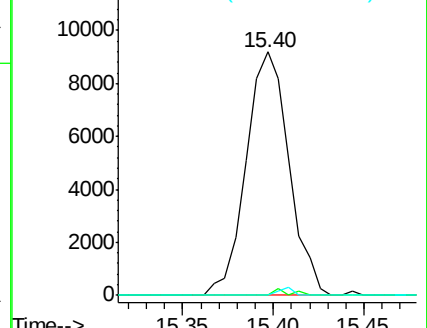
89 0.0 49.2 73.8#



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



#53

2,4-Dinitrophenol

Concen: 7.009 ng

RT: 15.23 min Scan# 2032

Delta R.T. -0.26 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

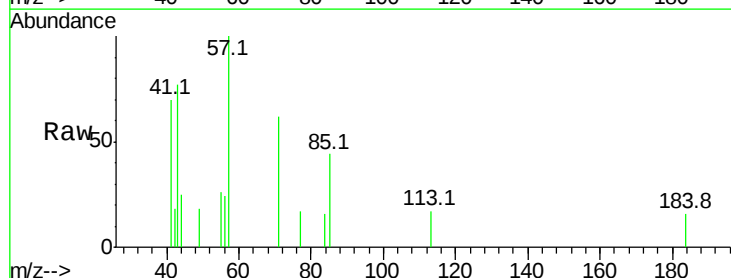
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

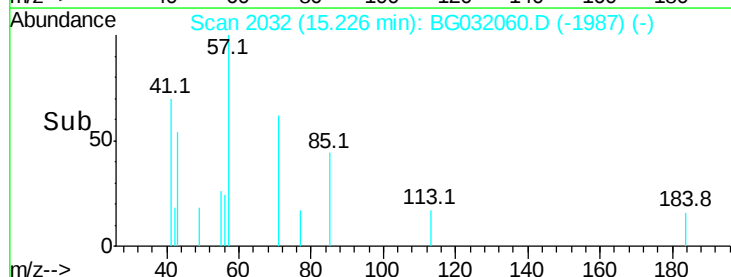
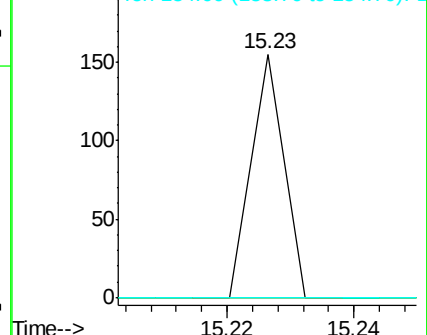
154 0.0 101.8 152.8#

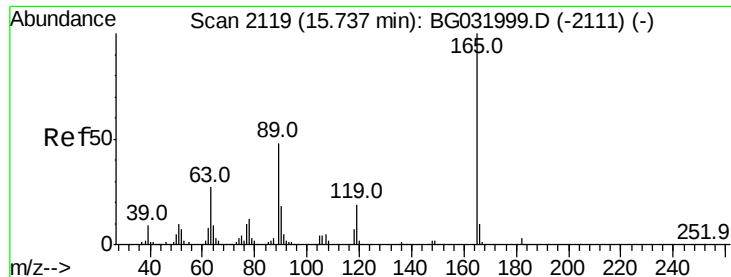


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

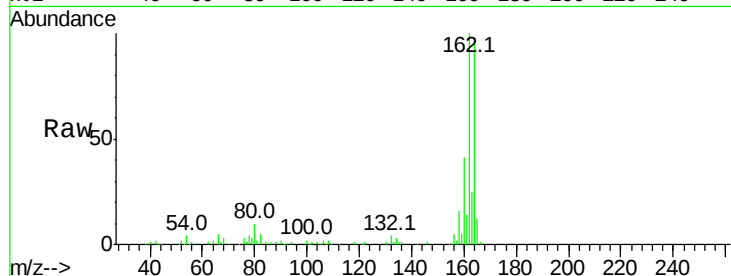




#56
 2,4-Dinitrotoluene
 Concen: 5.099 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032060.D
 Acq: 16 Jan 2018 9:13

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#

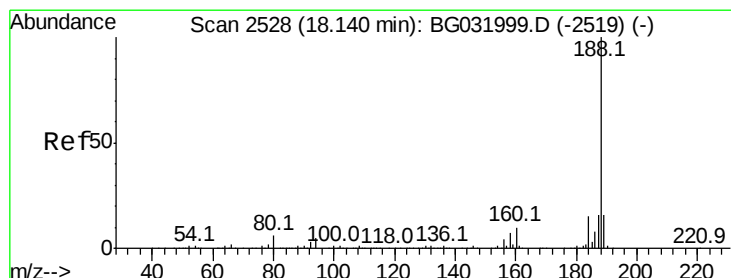
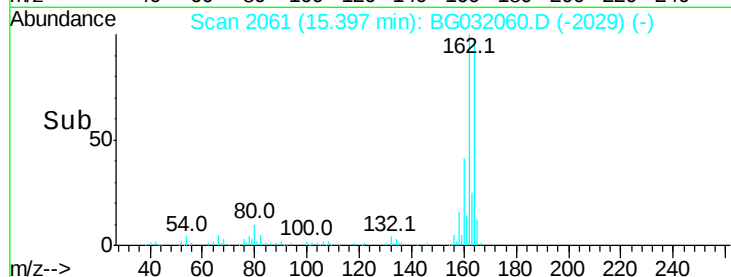
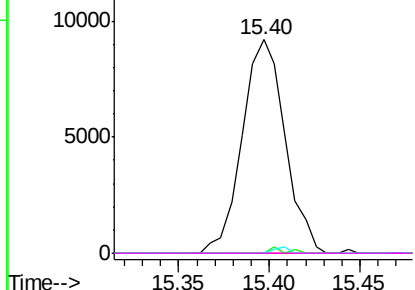


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

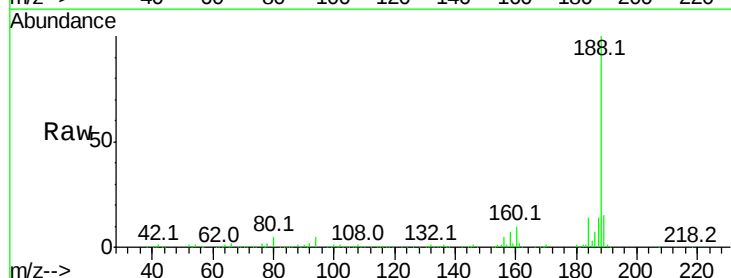
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032060.D
 Acq: 16 Jan 2018 9:13

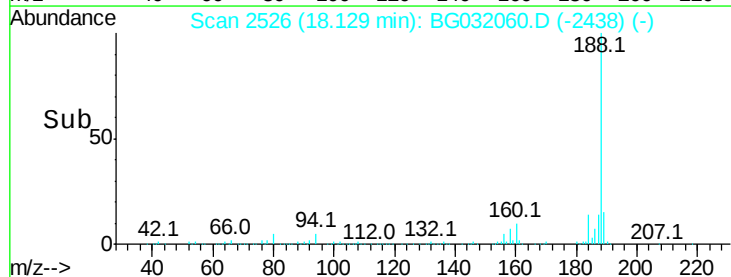
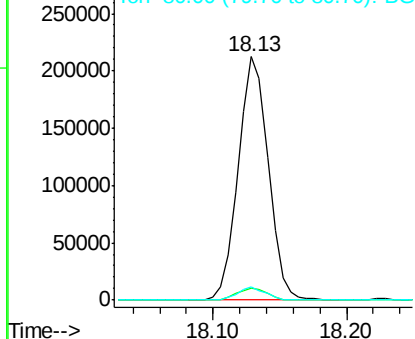
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.0	6.9	10.3#
80	5.4	7.7	11.5#

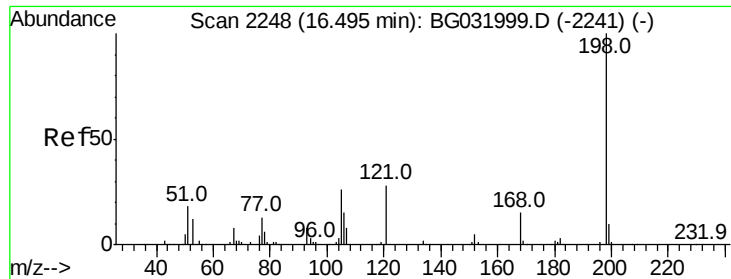


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

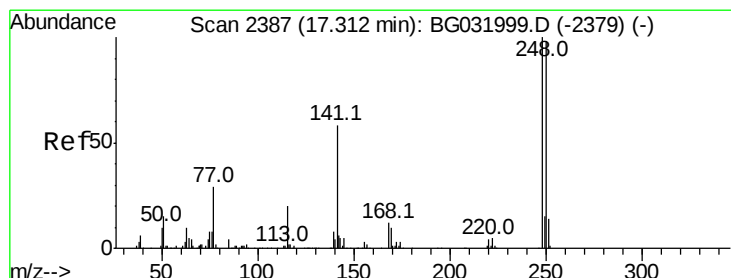
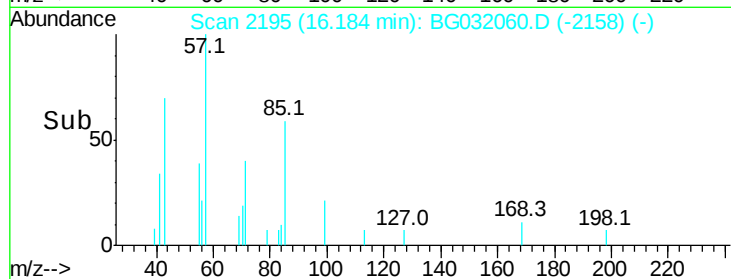
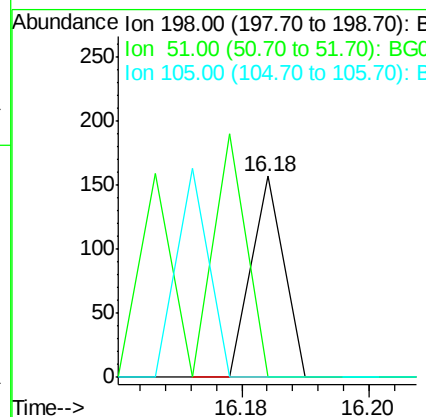
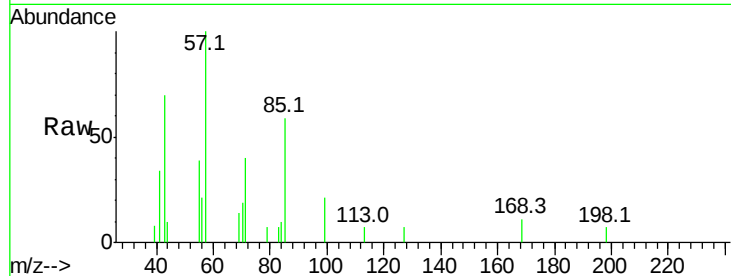




#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.908 ng
 RT: 16.18 min Scan# 2195
 Delta R.T. -0.31 min
 Lab File: BG032060.D
 Acq: 16 Jan 2018 9:13

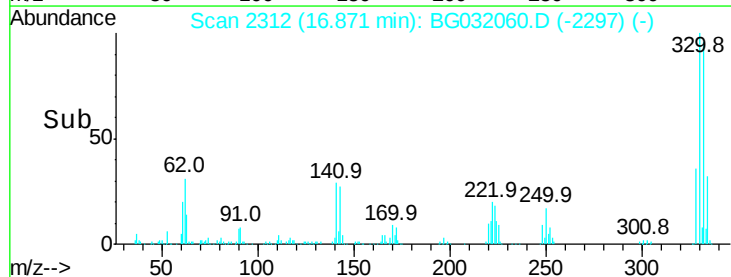
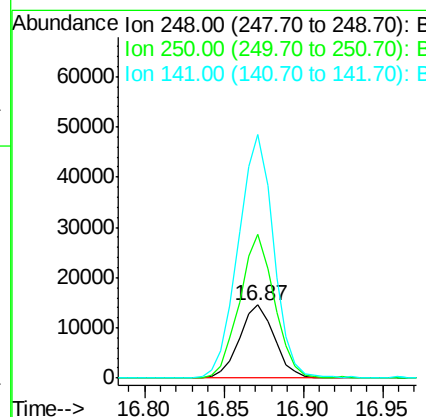
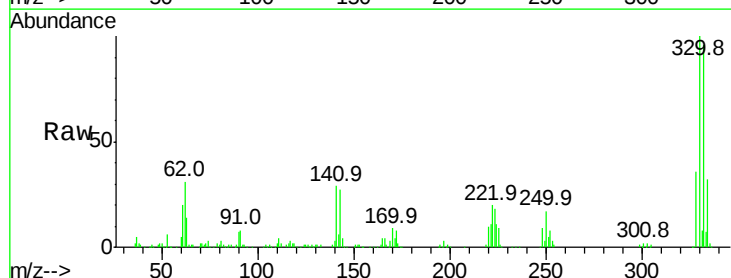
Instrument :
 BNA_G
 ClientSampleId :

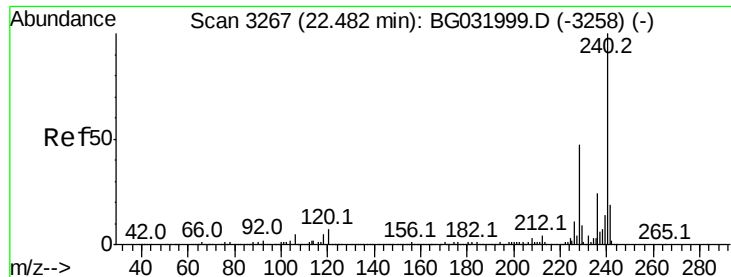
Tot Ion:198 Resp: 55
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.702 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032060.D
 Acq: 16 Jan 2018 9:13

Tgt Ion:248 Resp: 22127
 Ion Ratio Lower Upper
 248 100
 250 196.1 77.1 115.7#
 141 332.9 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.46 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

Instrument :

BNA_G

ClientSampleId :

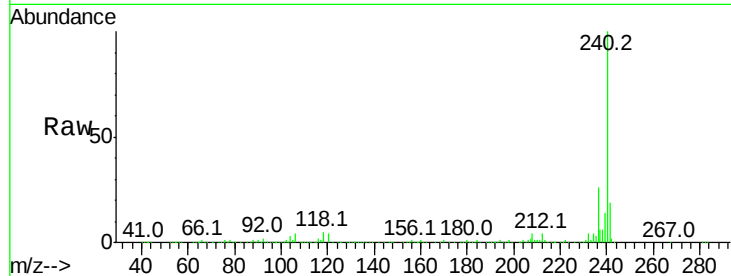
Tot Ion:240 Resp: 400395

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

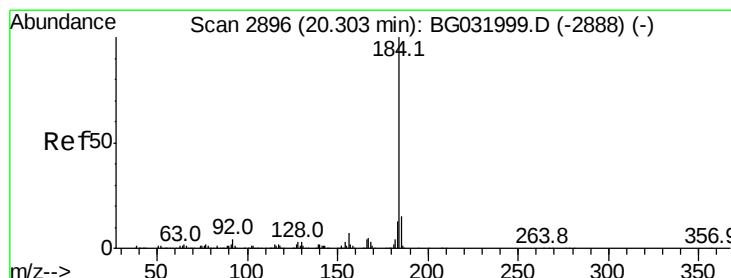
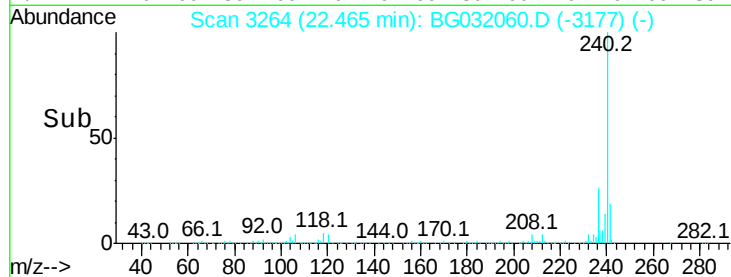
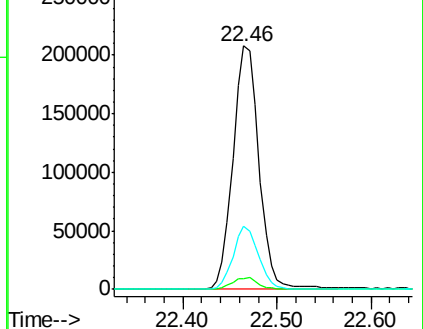
236 25.7 20.9 31.3



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



#76

Benzidine

Concen: 2.890 ng

RT: 20.67 min Scan# 2958

Delta R.T. 0.36 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

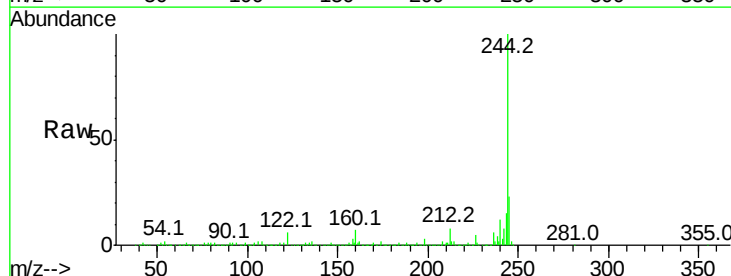
Tgt Ion:184 Resp: 28931

Ion Ratio Lower Upper

184 100

185 19.1 11.1 16.7#

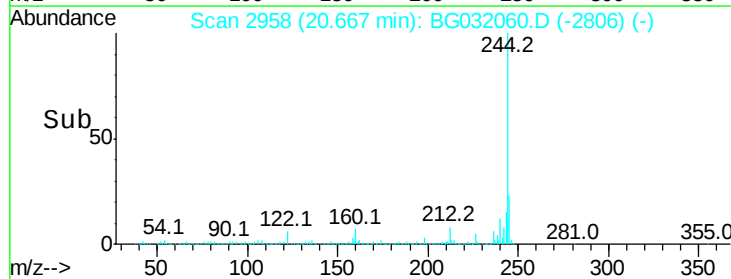
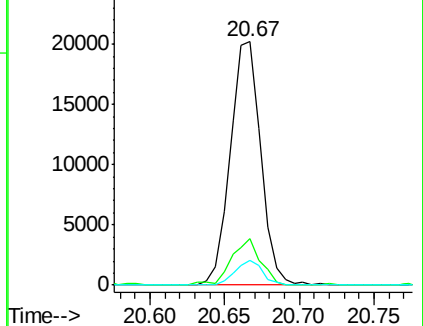
183 10.4 10.6 16.0#

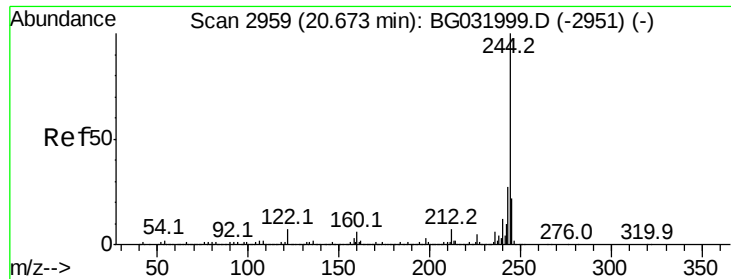


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 111.259 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.01 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

Instrument :

BNA_G

ClientSampleId :

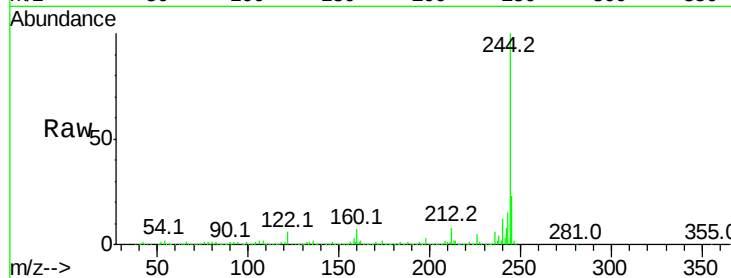
Tot Ion:244 Resp: 2017515

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

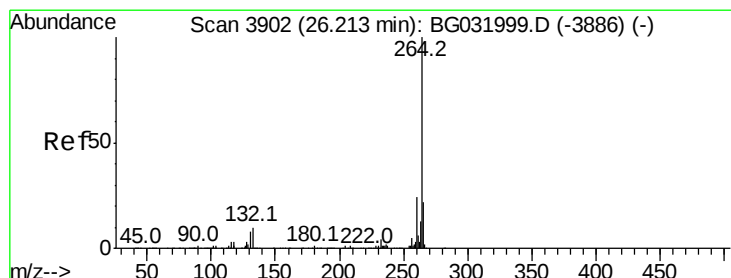
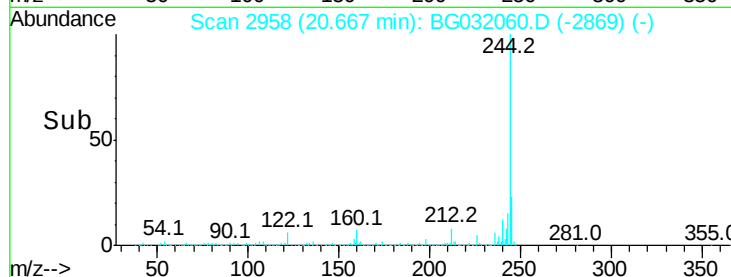
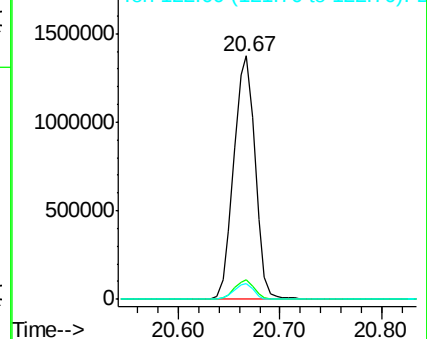
122 6.5 7.0 10.4#



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: 26.18 min Scan# 3897

Delta R.T. -0.03 min

Lab File: BG032060.D

Acq: 16 Jan 2018 9:13

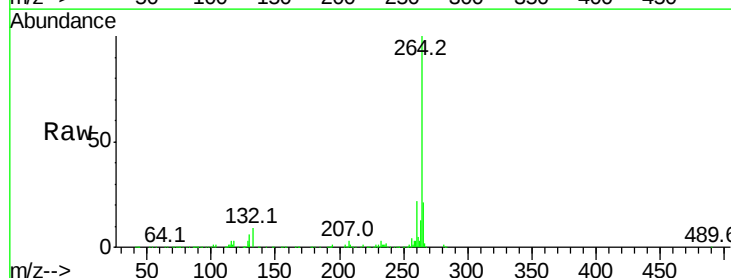
Tgt Ion:264 Resp: 407252

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 21.5 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

