

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040618\
 Data File : BG033655.D
 Acq On : 7 Apr 2018 8:02
 Operator : SJ/JU
 Sample : J2226-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 09 01:59:50 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

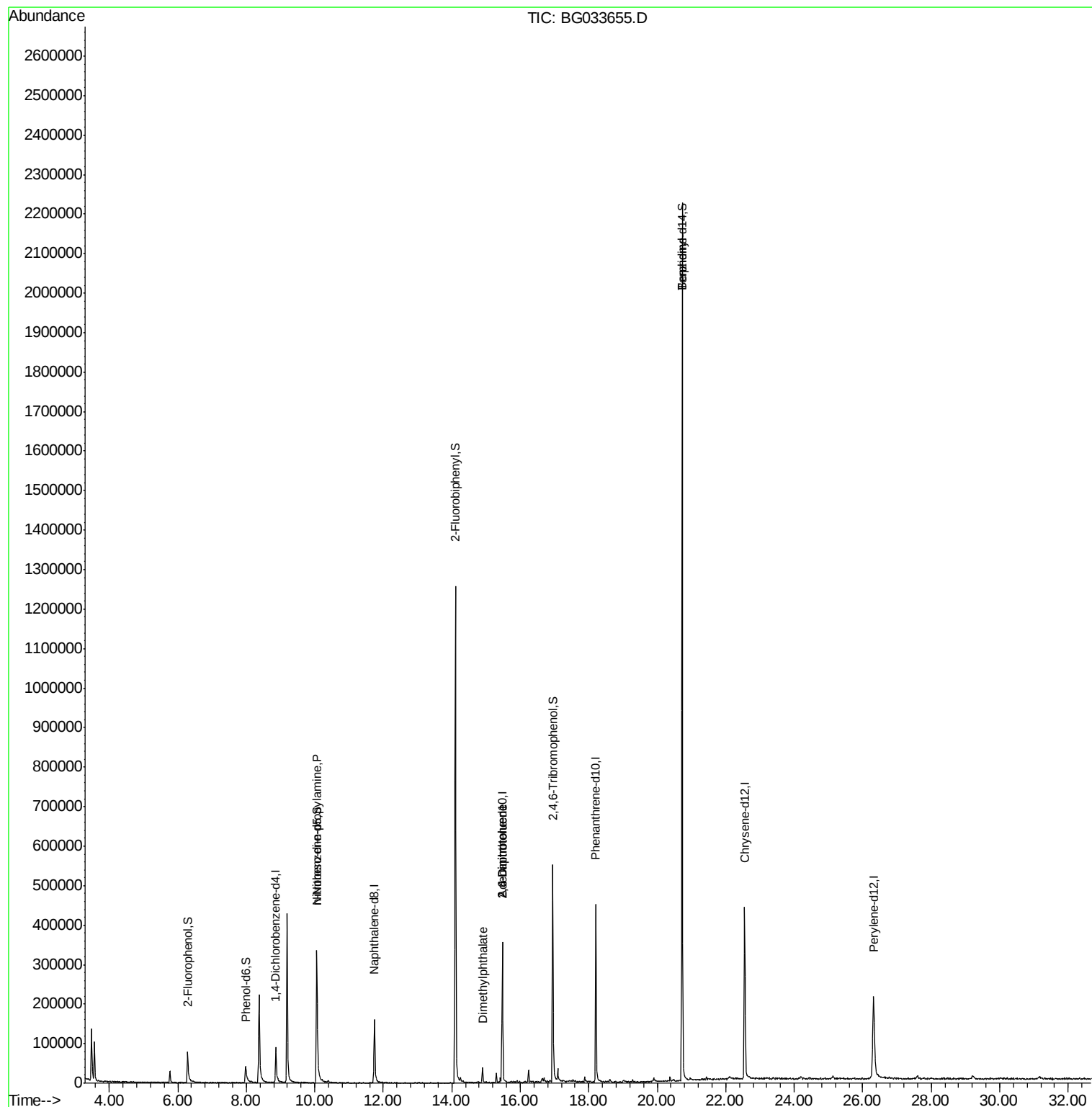
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	34760	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	165989	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	134221	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	334501	20.00	ng	0.00
75) Chrysene-d12	22.55	240	327370	20.00	ng	0.00
86) Perylene-d12	26.32	264	317026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	50502	27.24	ng	0.00
7) Phenol-d6	7.98	99	47205	14.82	ng	0.01
23) Nitrobenzene-d5	10.06	82	278719	77.15	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	105808	52.71	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	717219	77.14	ng	0.00
78) Terphenyl-d14	20.73	244	1100204	71.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	37461	16.051	ng	Qvalue # 76
49) Dimethylphthalate	14.90	163	26068	2.232	ng	99
50) 2,6-Dinitrotoluene	15.47	165	17399	7.285	ng	# 20
56) 2,4-Dinitrotoluene	15.47	165	17399	4.948	ng	# 17
76) Benizidine	20.73	184	18351	2.067	ng	# 92

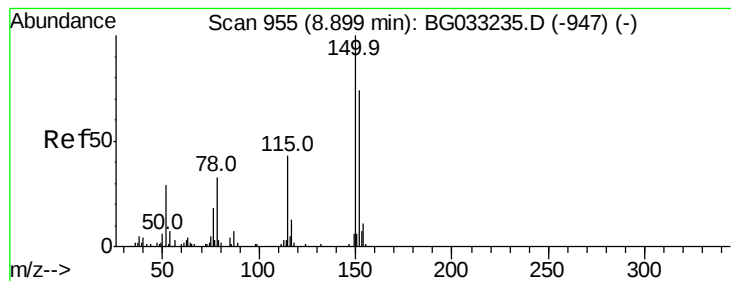
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 949

Delta R.T. 0.00 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

Instrument :

BNA_G

ClientSampleId :

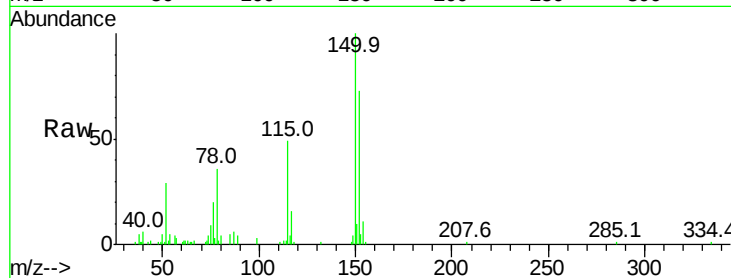
Tot Ion:152 Resp: 34760

Ion Ratio Lower Upper

152 100

150 136.1 126.6 189.8

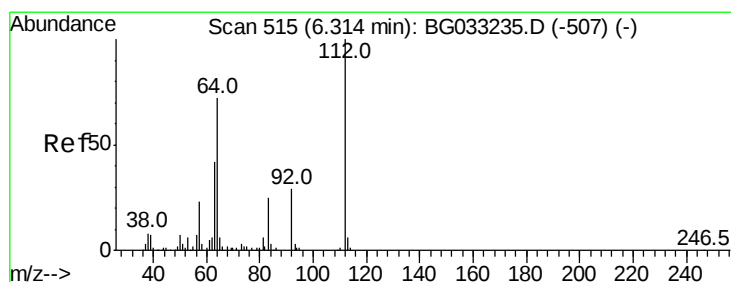
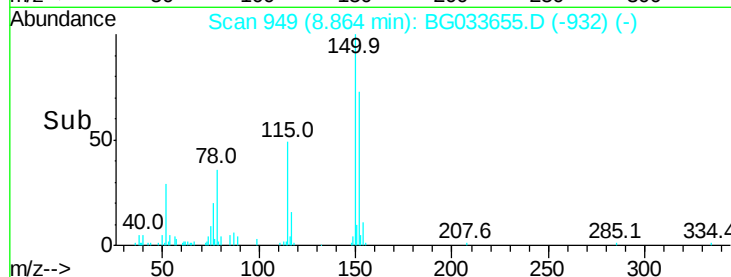
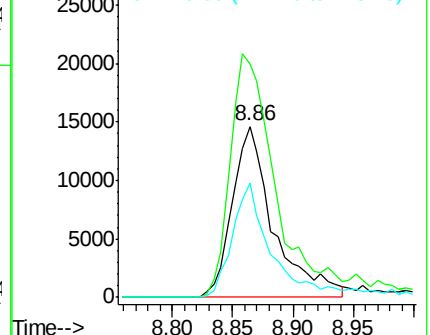
115 67.0 53.0 79.4



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: 27.243 ng

RT: 6.29 min Scan# 511

Delta R.T. 0.00 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

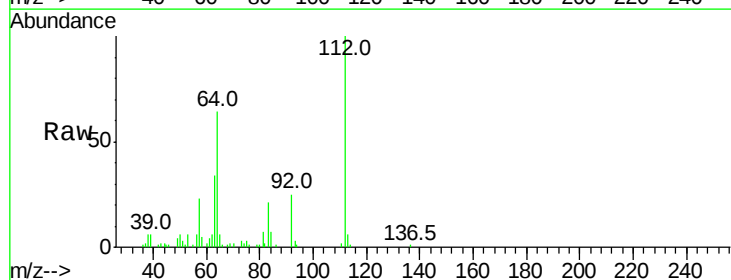
Tgt Ion:112 Resp: 50502

Ion Ratio Lower Upper

112 100

64 64.0 56.3 84.5

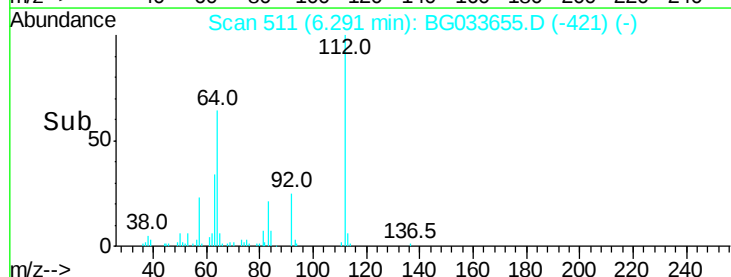
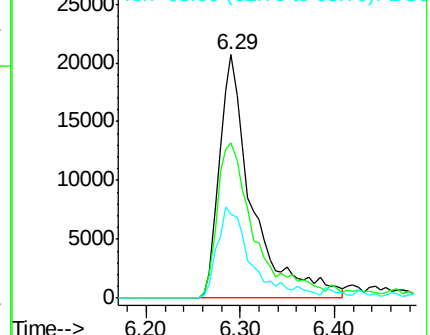
63 34.4 30.1 45.1

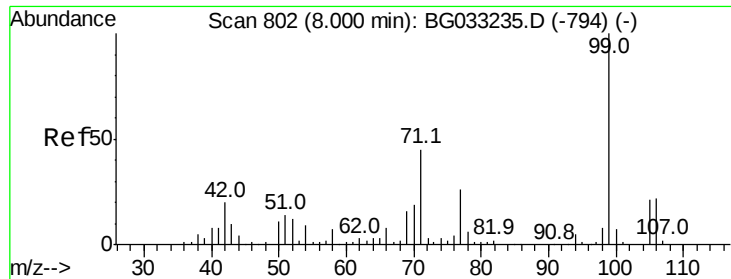


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 14.820 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.01 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

Instrument :

BNA_G

ClientSampleId :

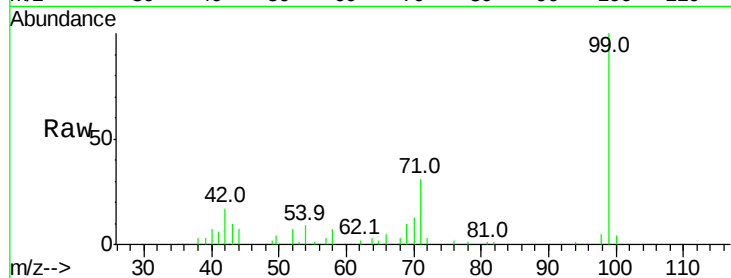
Tot Ion: 99 Resp: 47205

Ion Ratio Lower Upper

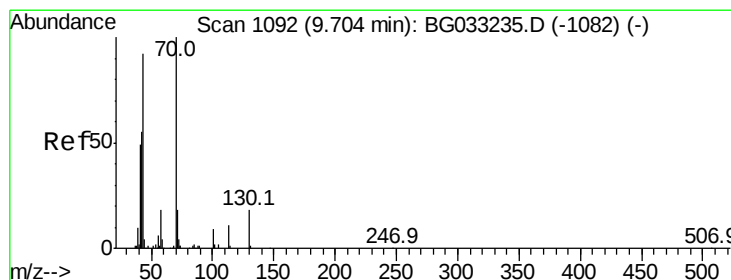
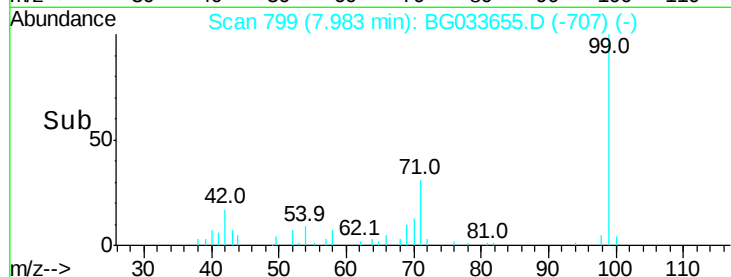
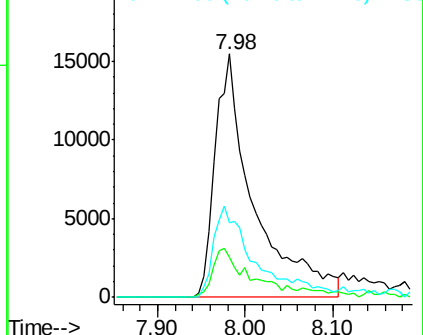
99 100

42 16.5 14.1 21.1

71 30.7 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: 16.051 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.39 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

Tgt Ion: 70 Resp: 37461

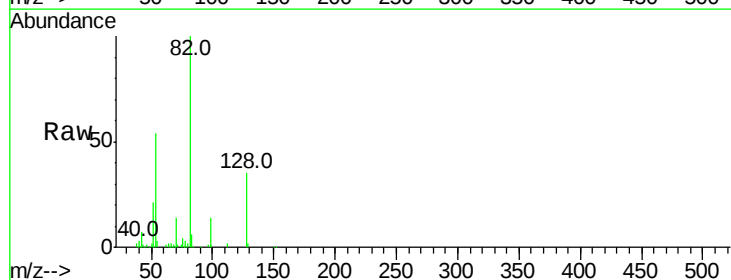
Ion Ratio Lower Upper

70 100

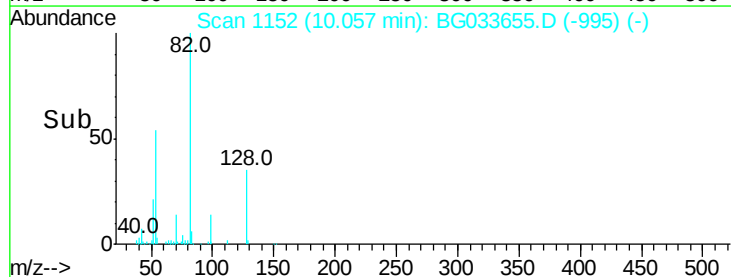
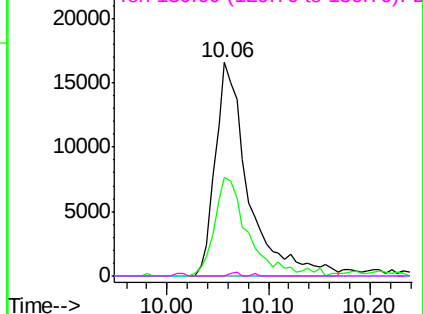
42 46.4 49.1 73.7#

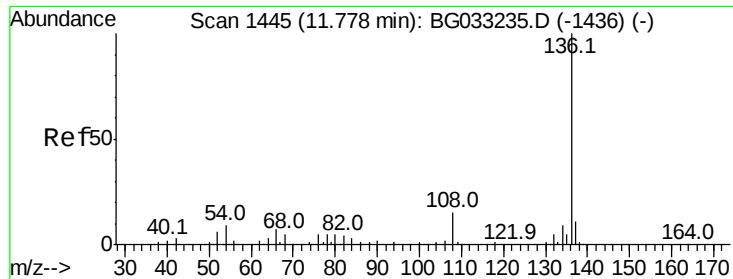
101 0.0 8.5 12.7#

130 0.0 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: 11.74 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 165989

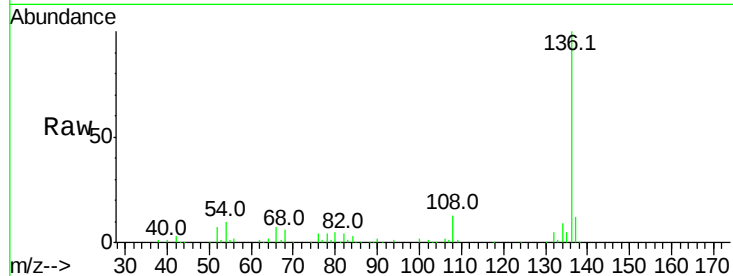
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 9.9 10.3 15.5#

68 5.6 4.5 6.7

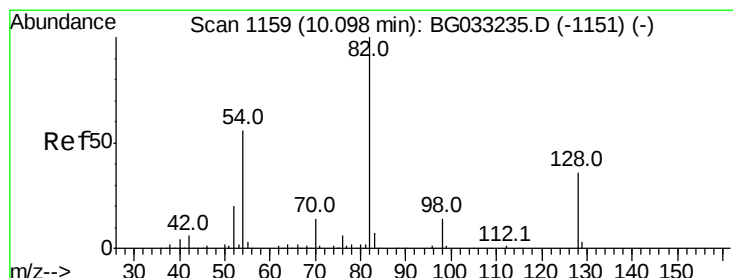
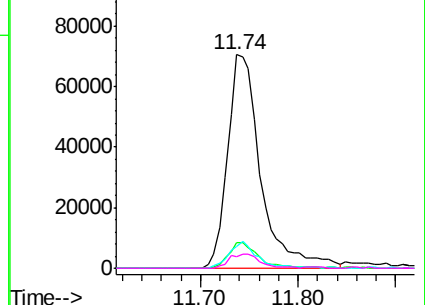
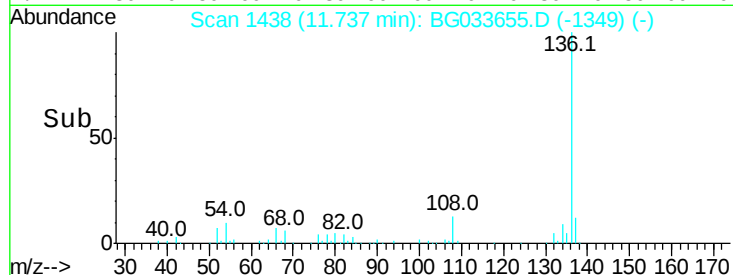


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.147 ng

RT: 10.06 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

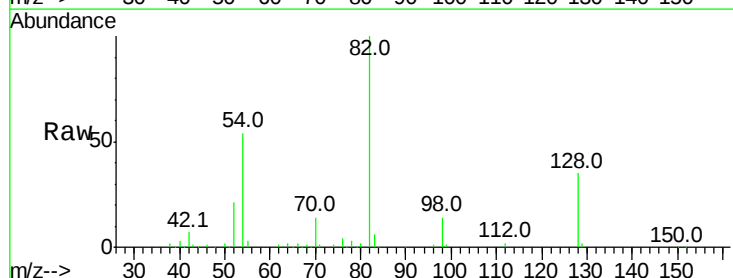
Tgt Ion: 82 Resp: 278719

Ion Ratio Lower Upper

82 100

128 34.5 29.7 44.5

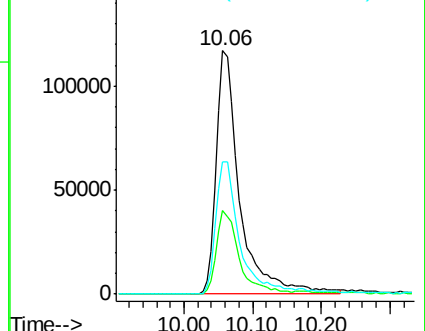
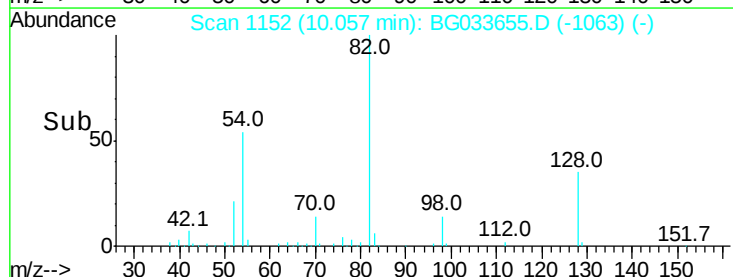
54 54.3 43.1 64.7

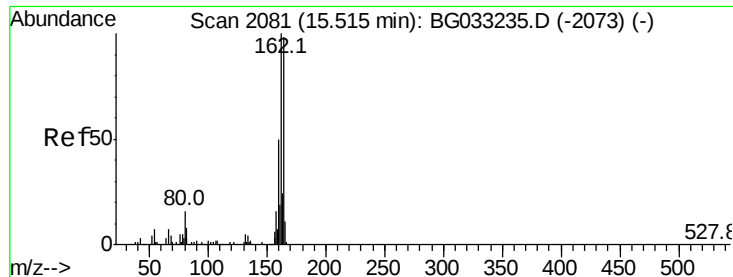


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 15.47 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

Instrument :

BNA_G

ClientSampleId :

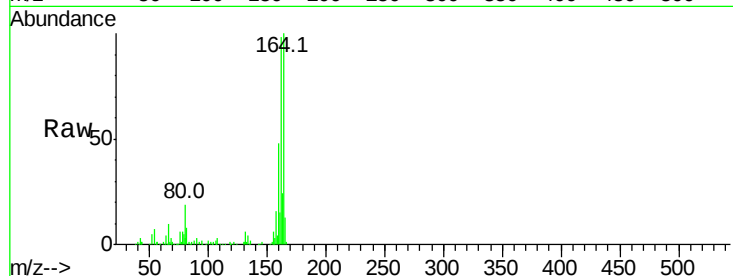
Tot Ion:164 Resp: 134221

Ion Ratio Lower Upper

164 100

162 97.7 78.8 118.2

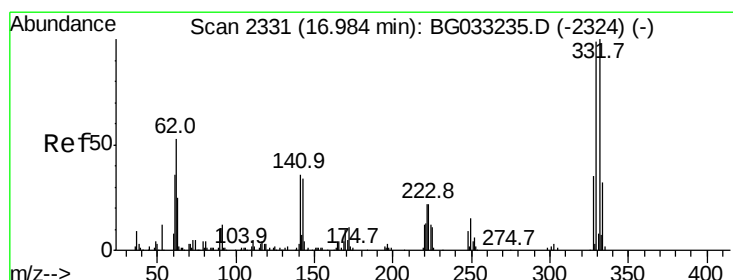
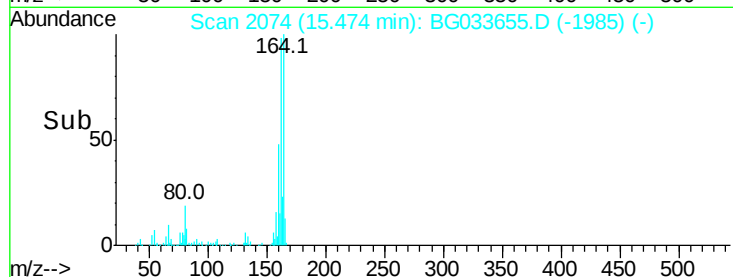
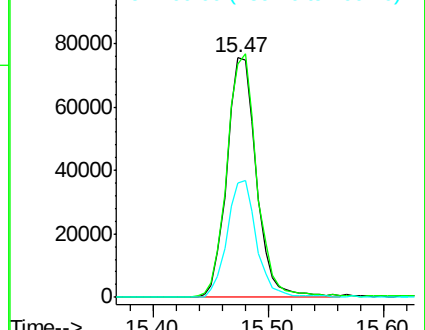
160 47.9 35.4 53.0



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: 52.708 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

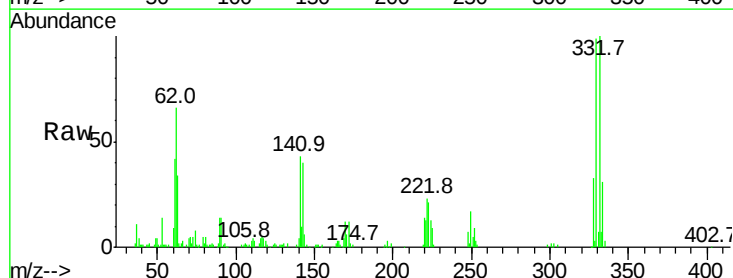
Tgt Ion:330 Resp: 105808

Ion Ratio Lower Upper

330 100

332 99.1 77.0 115.6

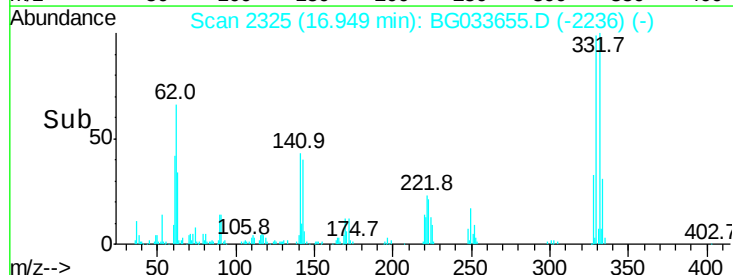
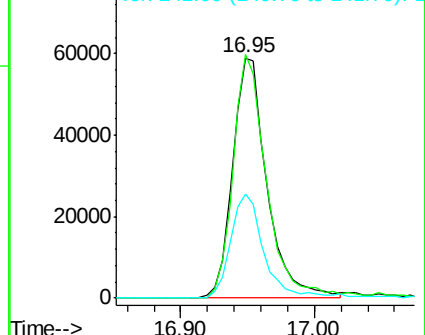
141 43.1 25.2 37.8#

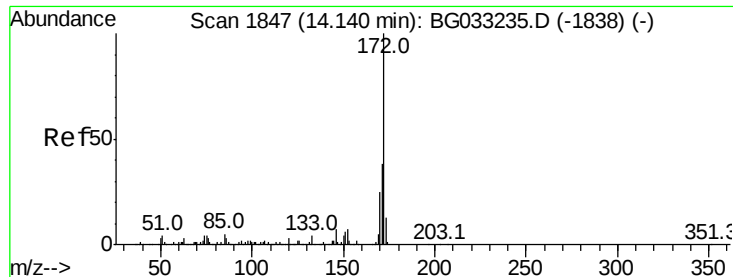


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

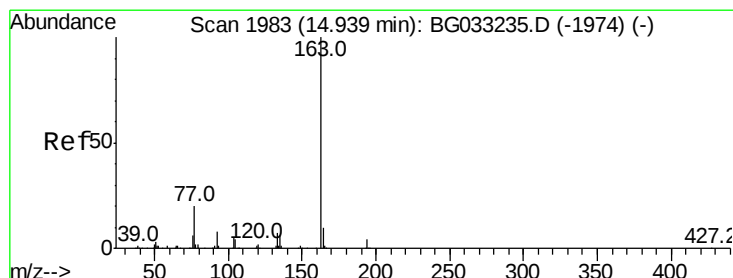
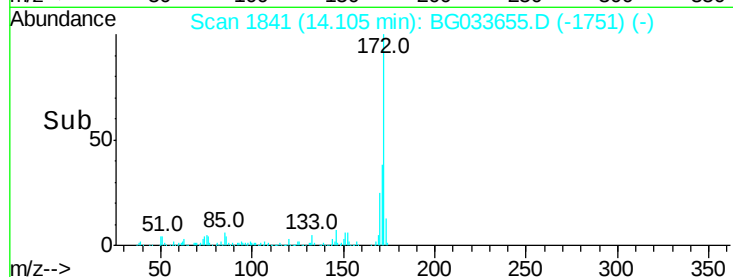
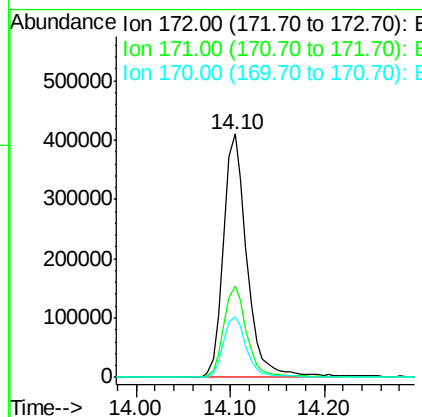
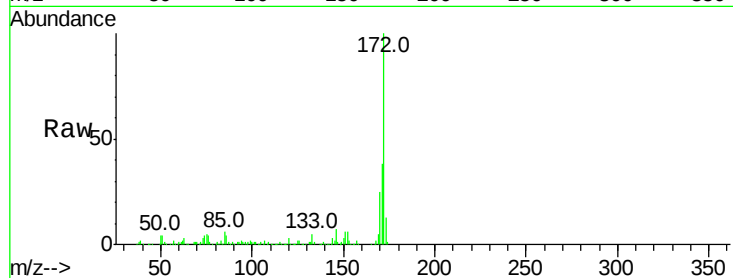




#44
2-Fluorobiphenyl
Concen: 77.142 ng
RT: 14.10 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BG033655.D
Acq: 7 Apr 2018 8:02

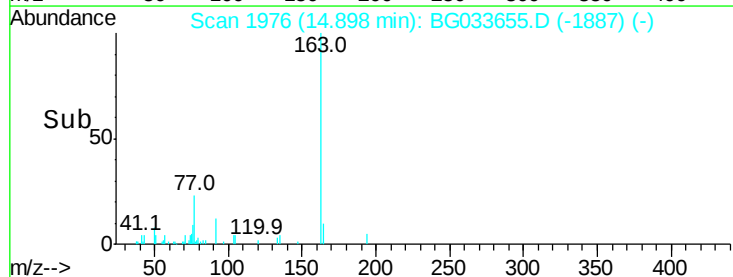
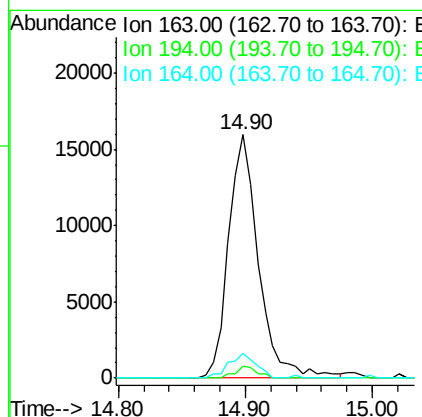
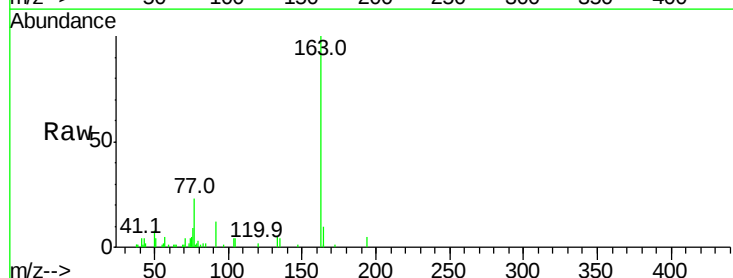
Instrument :
BNA_G
ClientSampled :

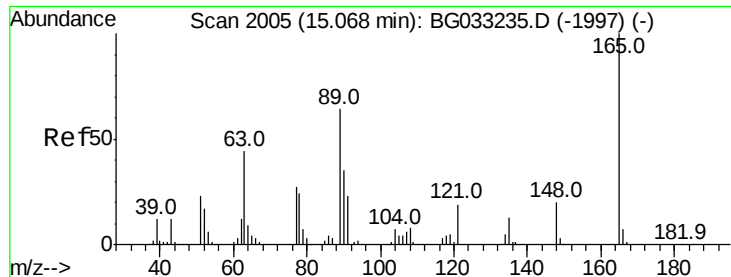
Tot Ion:172 Resp: 717219
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 24.7 19.5 29.3



#49
Dimethylphthalate
Concen: 2.232 ng
RT: 14.90 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG033655.D
Acq: 7 Apr 2018 8:02

Tgt Ion:163 Resp: 26068
Ion Ratio Lower Upper
163 100
194 5.1 3.4 5.2
164 10.3 8.2 12.4

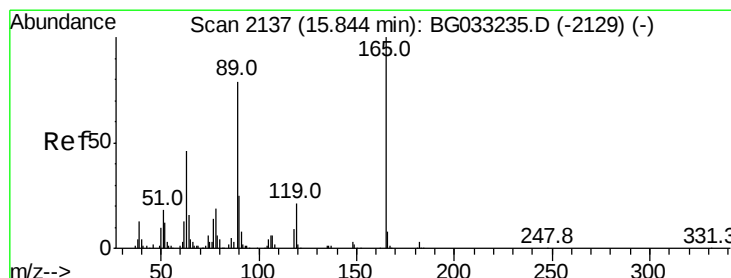
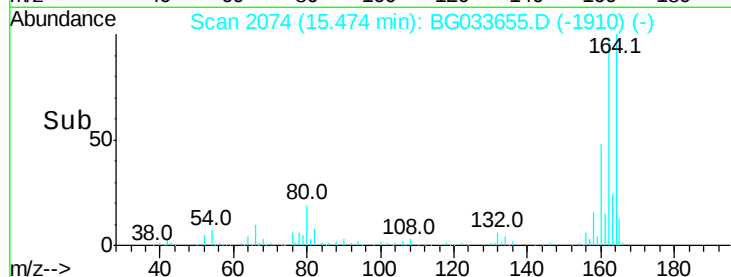
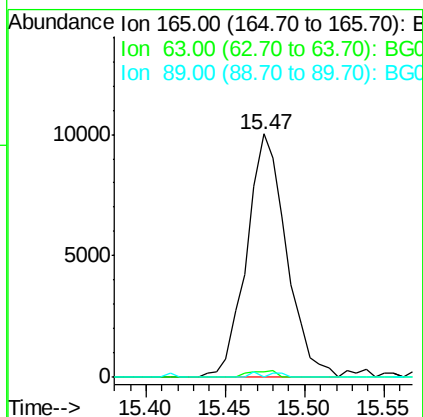
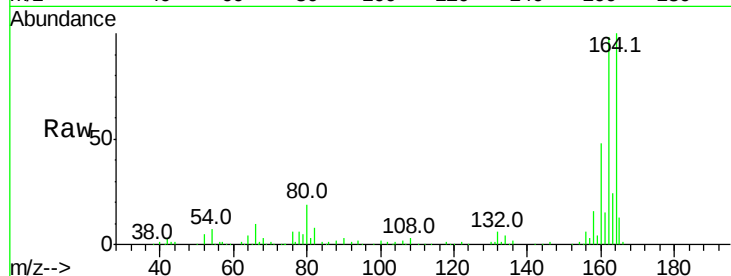




#50
 2,6-Dinitrotoluene
 Concen: 7.285 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.44 min
 Lab File: BG033655.D
 Acq: 7 Apr 2018 8:02

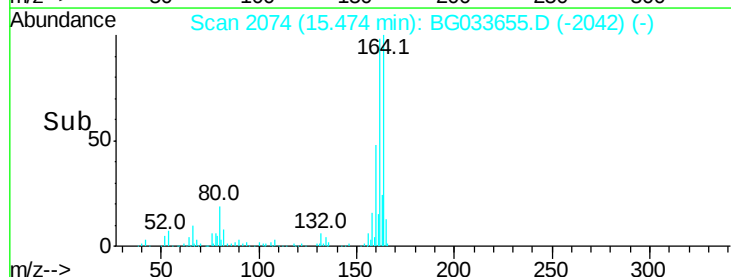
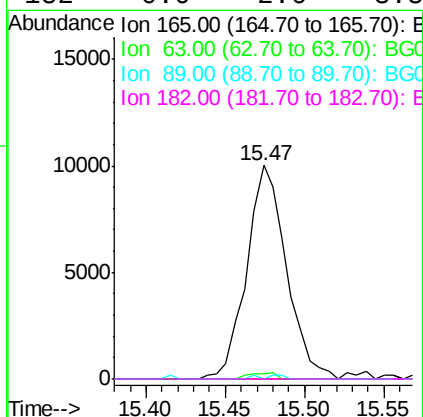
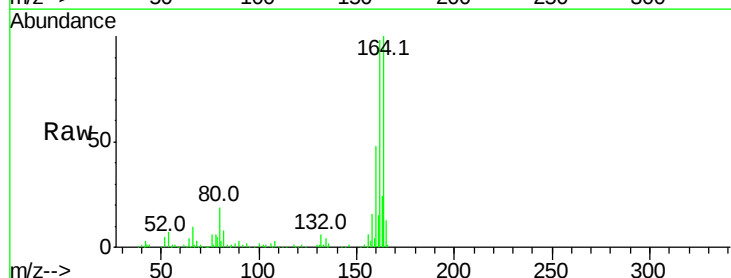
Instrument :
 BNA_G
 ClientSampleId :

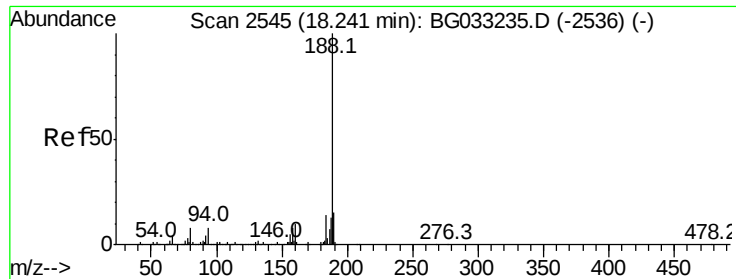
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.948 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033655.D
 Acq: 7 Apr 2018 8:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

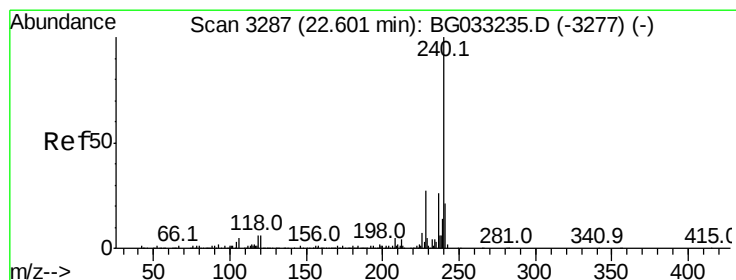
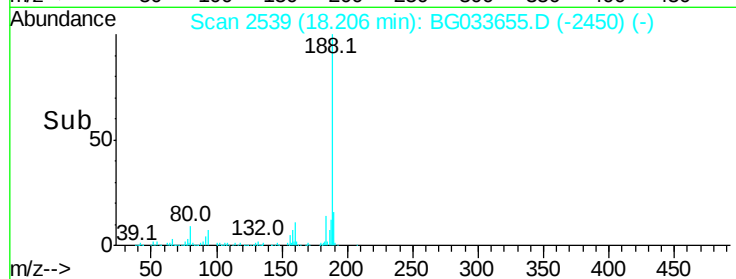
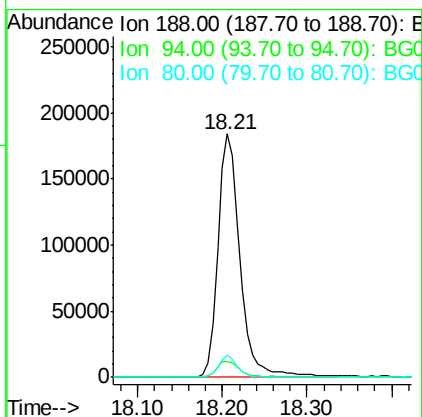
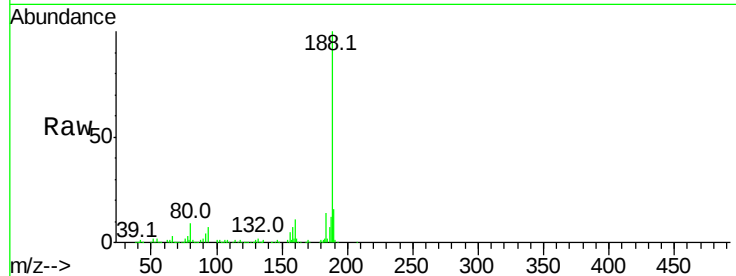




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BG033655.D
Acq: 7 Apr 2018 8:02

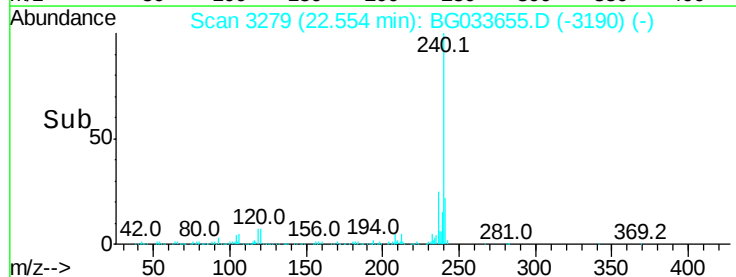
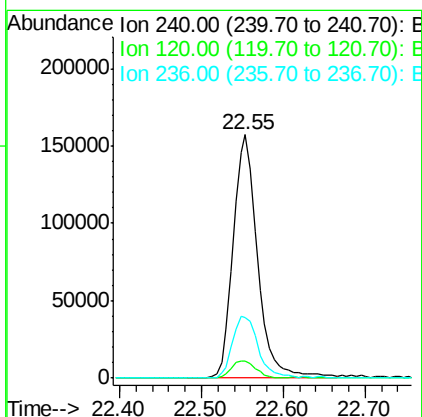
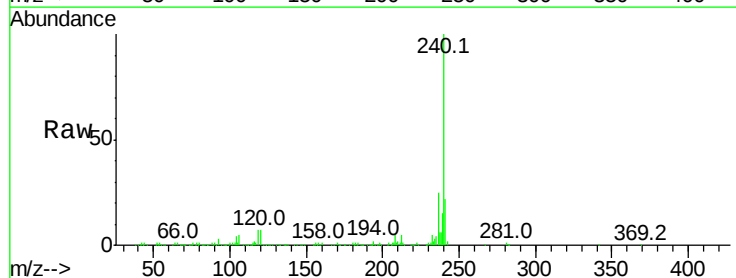
Instrument :
BNA_G
ClientSampled :

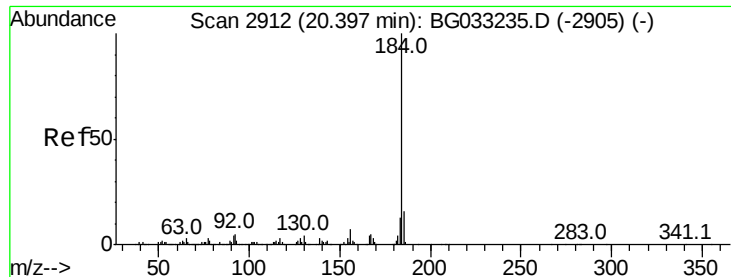
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.9	10.3#
80	8.9	7.7	11.5



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.01 min
Lab File: BG033655.D
Acq: 7 Apr 2018 8:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.8	10.2
236	25.0	20.9	31.3





#76

Benzidine

Concen: 2.067 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

Instrument :

BNA_G

ClientSampleId :

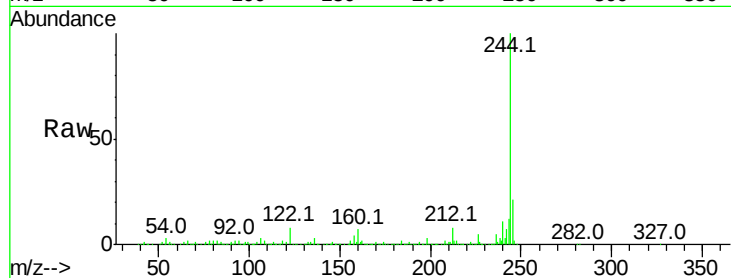
Tot Ion:184 Resp: 18351

Ion Ratio Lower Upper

184 100

185 18.1 11.1 16.7#

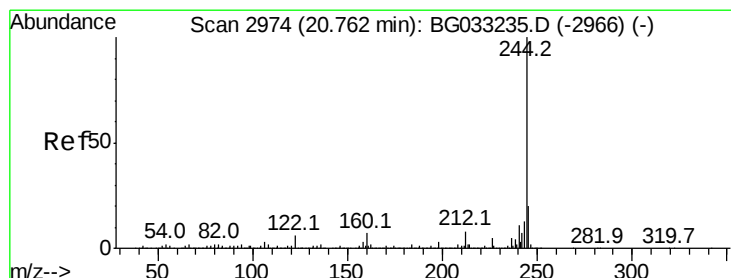
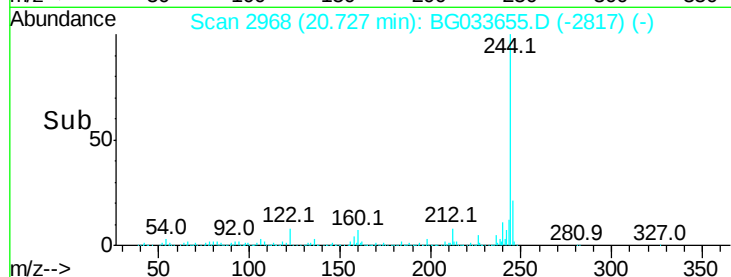
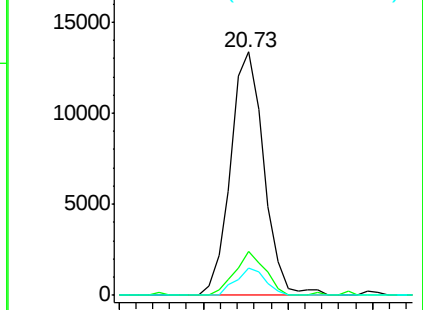
183 11.0 10.6 16.0



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: 71.873 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033655.D

Acq: 7 Apr 2018 8:02

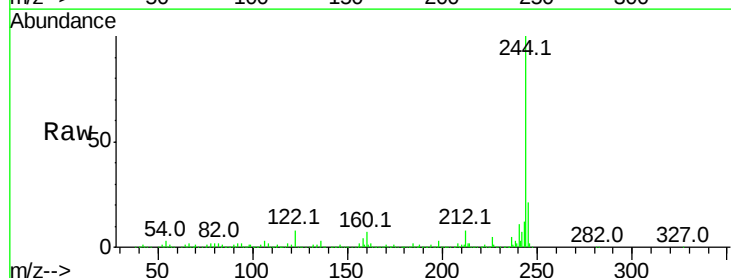
Tgt Ion:244 Resp: 1100204

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

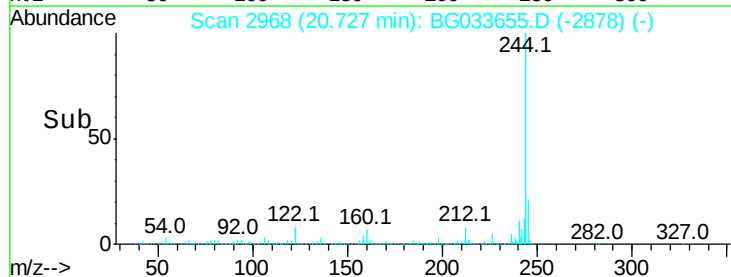
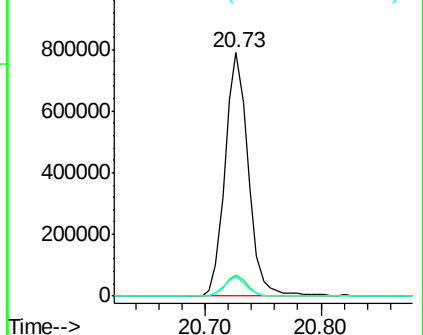
122 7.9 7.0 10.4

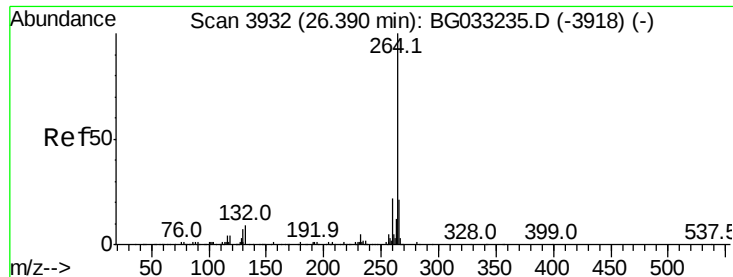


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.32 min Scan# 3920
Delta R.T. 0.00 min
Lab File: BG033655.D
Acq: 7 Apr 2018 8:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.4	26.0
265	19.1	17.7	26.5

