

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035659.D
 Acq On : 14 Jul 2018 10:20
 Operator : JU/SJ
 Sample : J3545-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-3

Quant Time: Jul 16 00:57:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

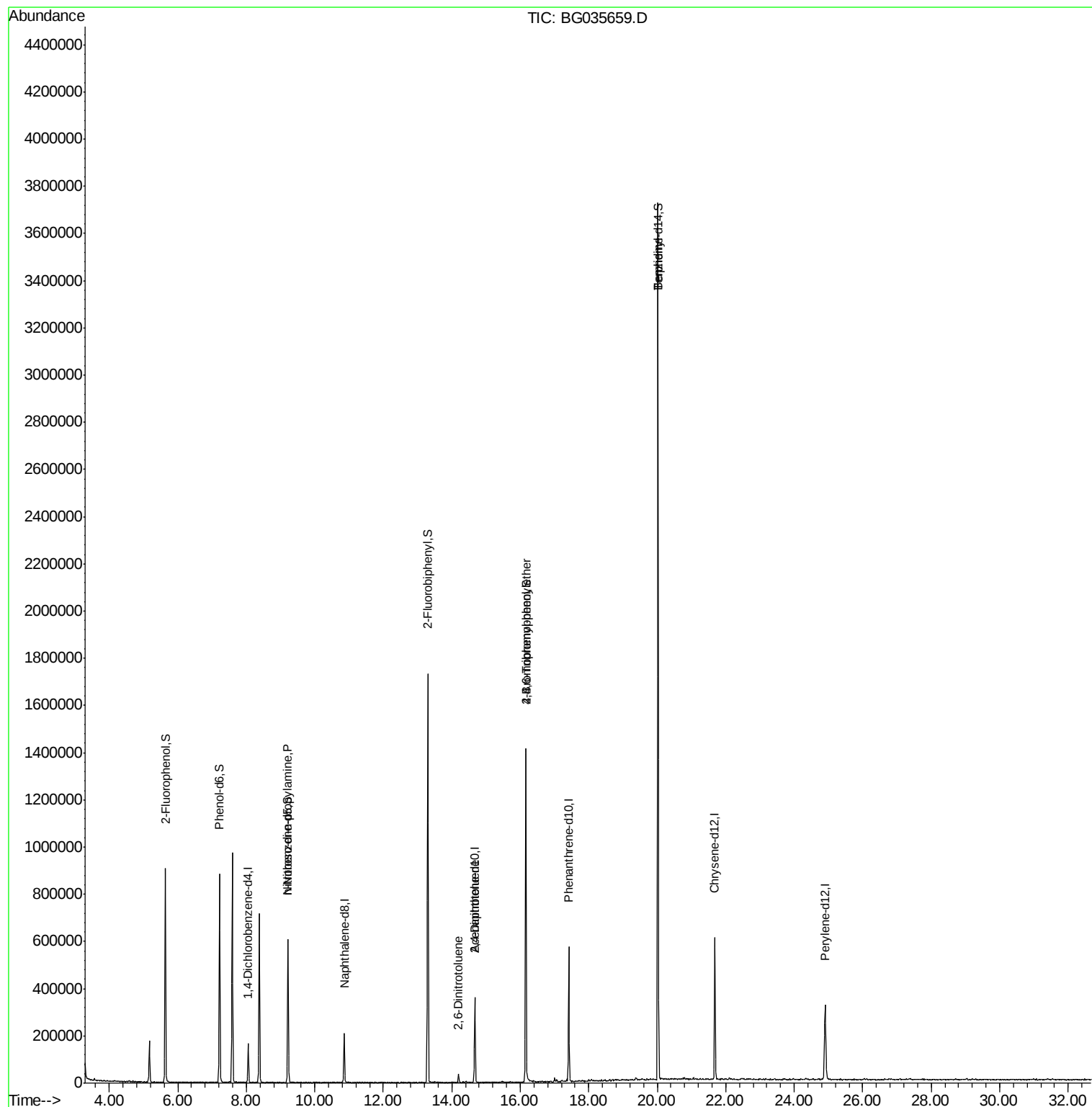
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	47265	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	175630	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	128146	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	355853	20.00	ng	0.00
75) Chrysene-d12	21.68	240	379617	20.00	ng	0.00
86) Perylene-d12	24.90	264	363990	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	383097	134.57	ng	0.00
7) Phenol-d6	7.22	99	520926	122.64	ng	0.00
23) Nitrobenzene-d5	9.22	82	410541	97.65	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	266070	157.53	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	913289	95.48	ng	0.00
78) Terphenyl-d14	20.02	244	1687165	97.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56822	15.886	ng	# 71
50) 2,6-Dinitrotoluene	14.20	165	5070	2.218	ng	# 18
56) 2,4-Dinitrotoluene	14.67	165	16253	4.955	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	21589	5.229	ng	# 1
76) Benzidine	20.02	184	31591	3.165	ng	# 90

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

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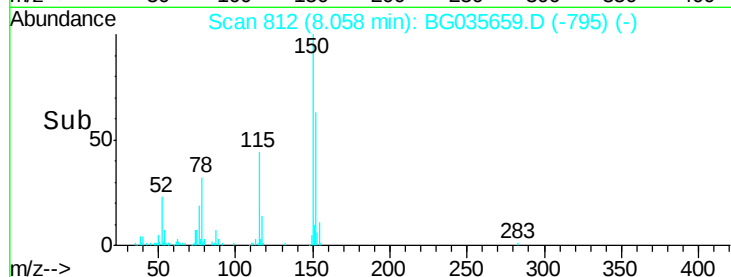
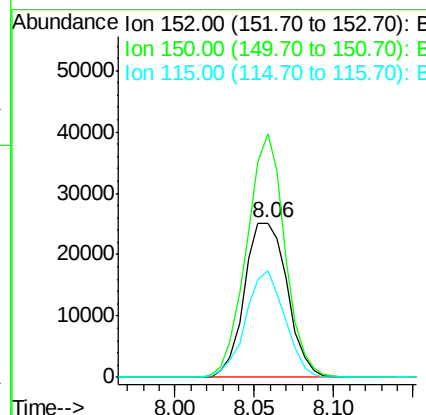
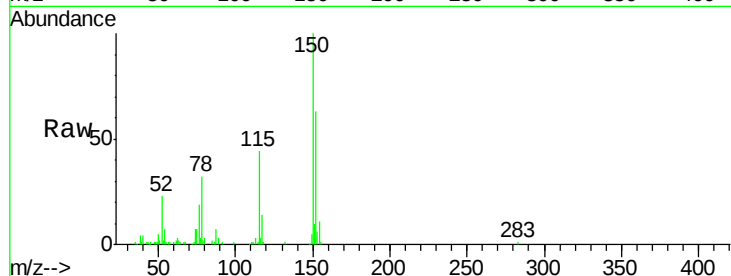


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035659.D
Acq: 14 Jul 2018 10:20

Instrument :
BNA_G
ClientSampled :
DRUM-3

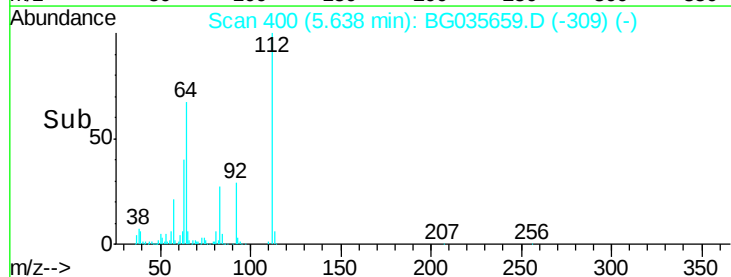
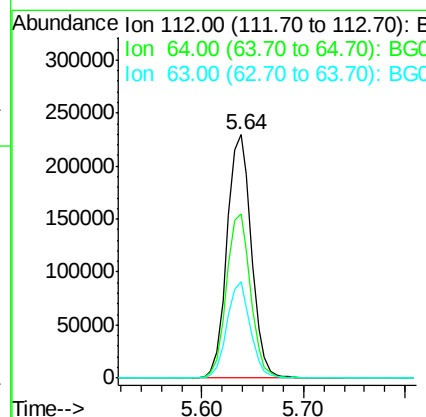
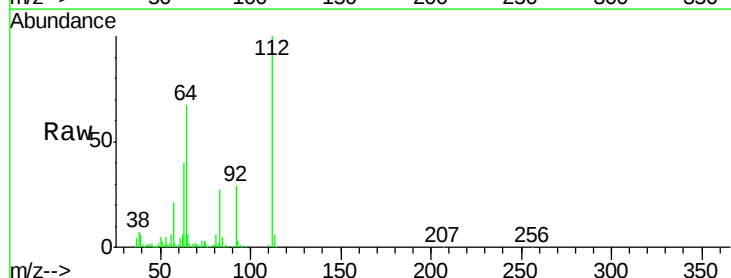
Tgt Ion:152 Resp: 47265
Ion Ratio Lower Upper
152 100
150 157.5 126.6 189.8
115 68.8 53.0 79.4

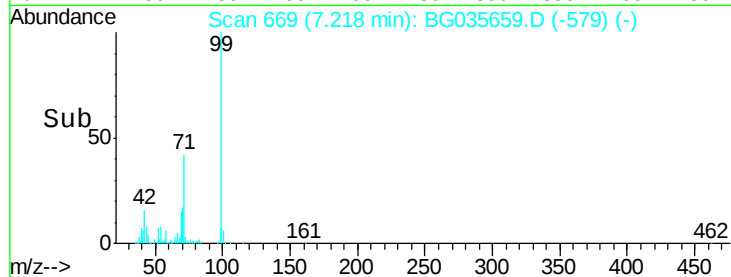
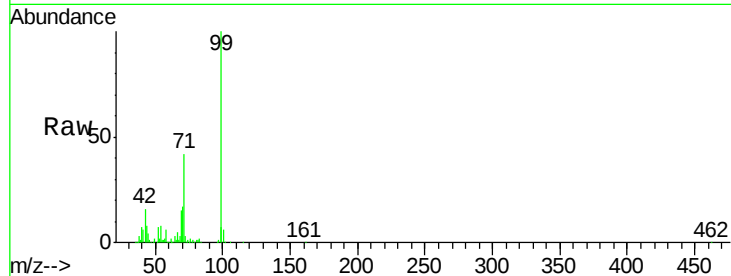
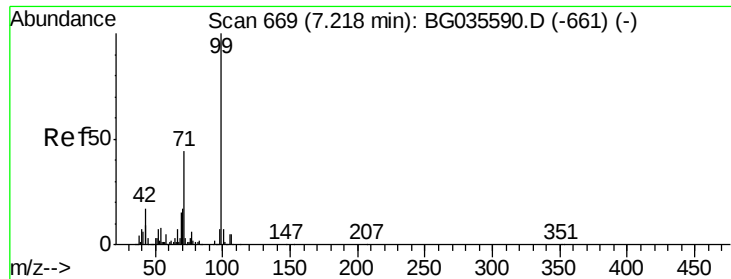


#5

2-Fluorophenol
Concen: 134.567 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035659.D
Acq: 14 Jul 2018 10:20

Tgt Ion:112 Resp: 383097
Ion Ratio Lower Upper
112 100
64 67.4 56.3 84.5
63 39.8 30.1 45.1





#7

Phenol-d6

Concen: 122.642 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035659.D

Acq: 14 Jul 2018 10:20

Instrument :

BNA_G

ClientSampleId :

DRUM-3

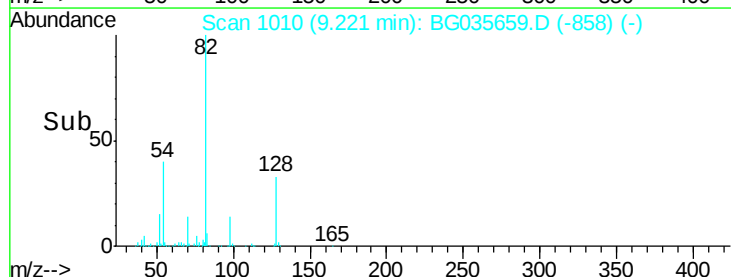
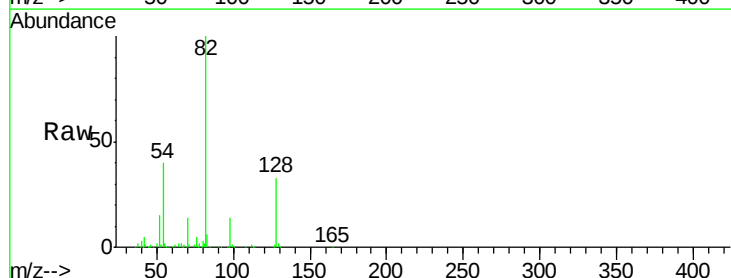
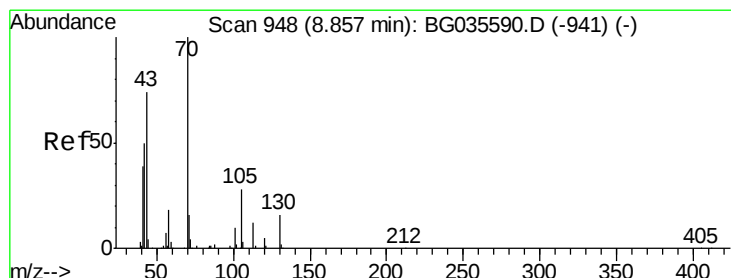
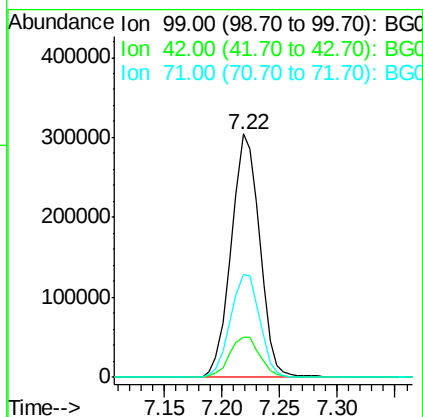
Tgt Ion: 99 Resp: 520926

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

71 42.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.886 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG035659.D

Acq: 14 Jul 2018 10:20

Tgt Ion: 70 Resp: 56822

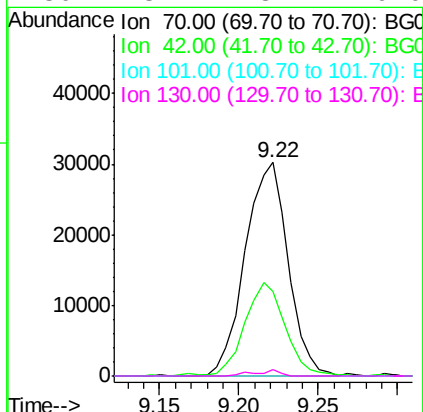
Ion Ratio Lower Upper

70 100

42 39.7 49.1 73.7#

101 0.0 8.5 12.7#

130 3.2 13.4 20.0#

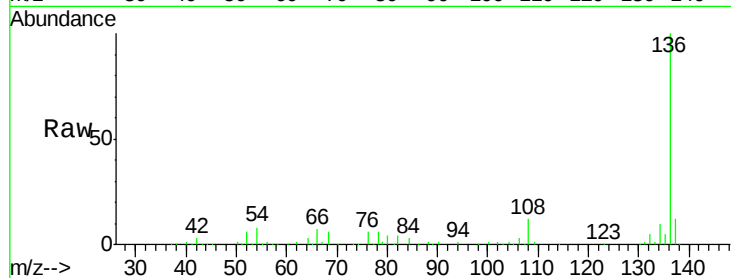




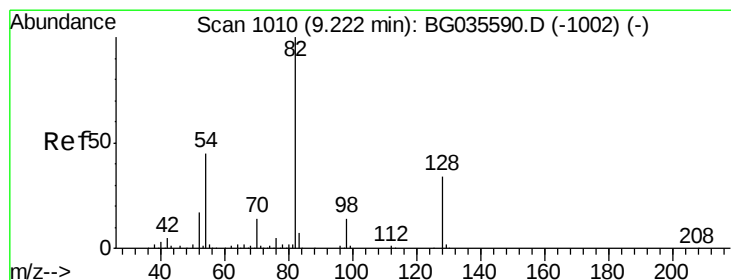
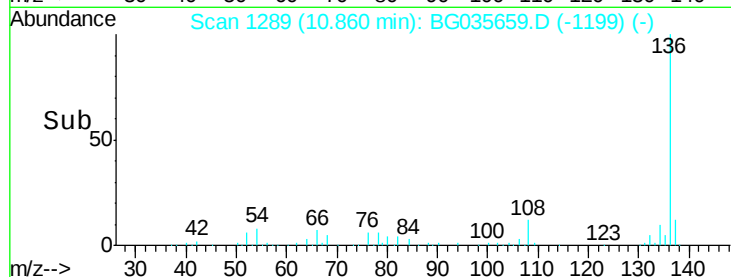
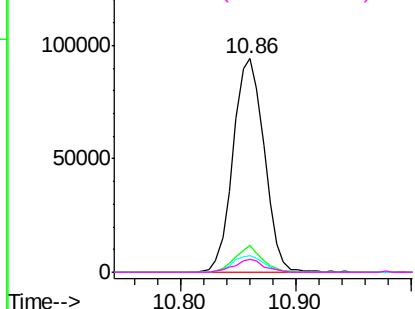
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035659.D
Acq: 14 Jul 2018 10:20

Instrument :
BNA_G
ClientSampleId :
DRUM-3

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	8.0	10.3	15.5
68	5.7	4.5	6.7

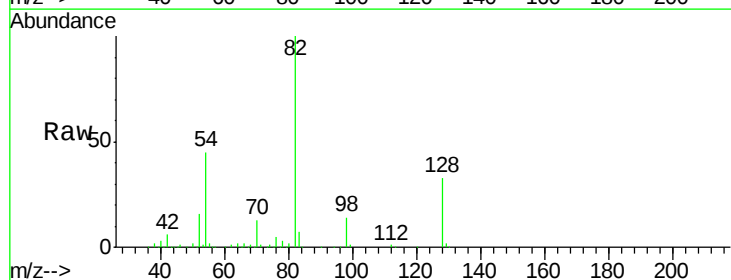


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

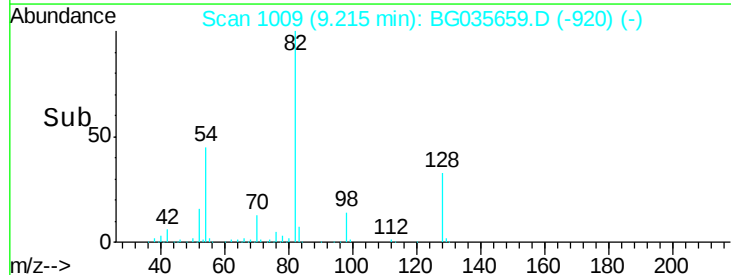
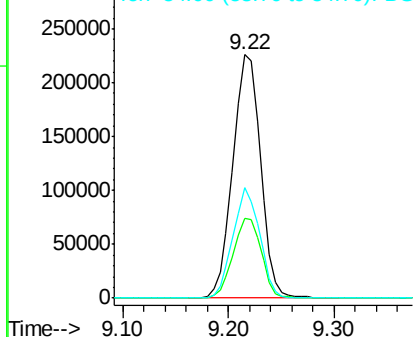


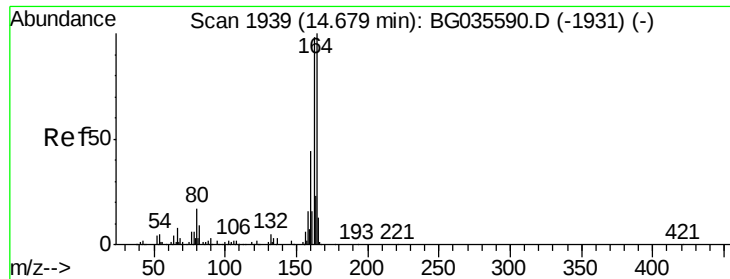
#23
Nitrobenzene-d5
Concen: 97.650 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035659.D
Acq: 14 Jul 2018 10:20

Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.6	29.7	44.5
54	45.3	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: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG035659.D

Acq: 14 Jul 2018 10:20

Instrument :

BNA_G

ClientSampleId :

DRUM-3

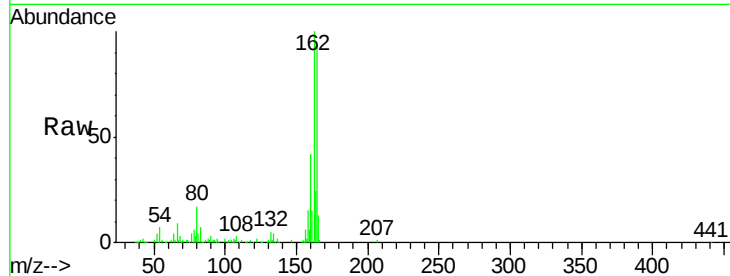
Tgt Ion:164 Resp: 128146

Ion Ratio Lower Upper

164 100

162 106.2 78.8 118.2

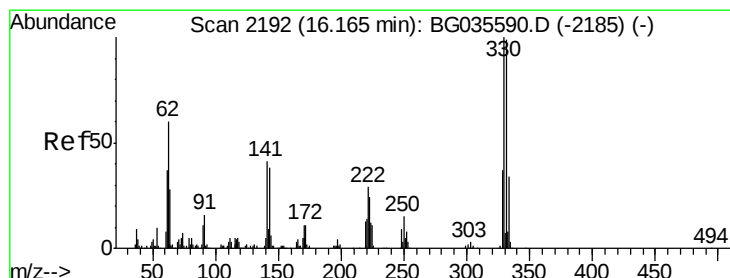
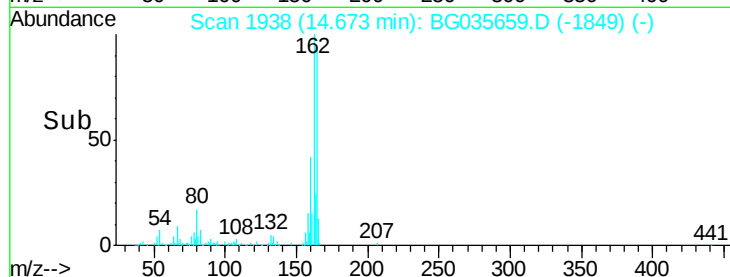
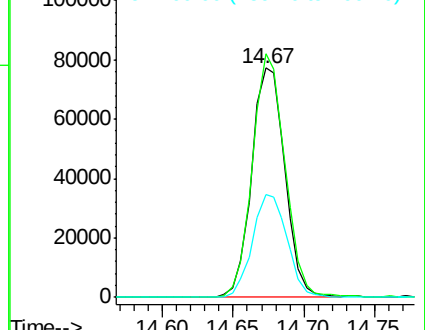
160 44.7 35.4 53.0



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: 157.527 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035659.D

Acq: 14 Jul 2018 10:20

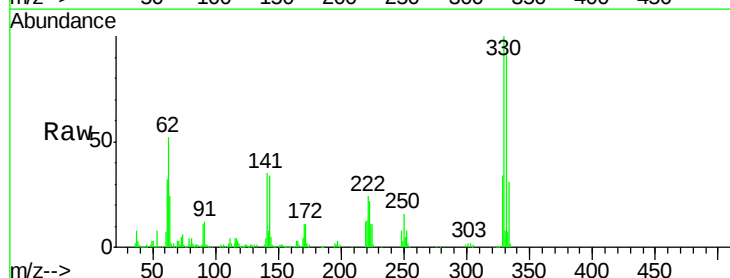
Tgt Ion:330 Resp: 266070

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

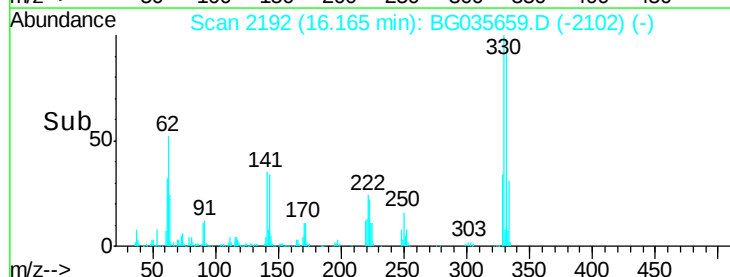
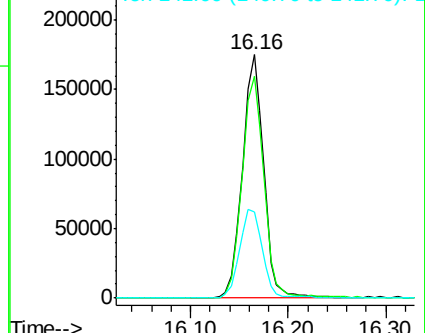
141 38.8 25.2 37.8#

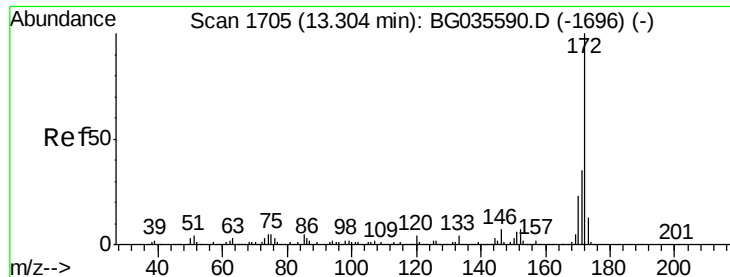


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

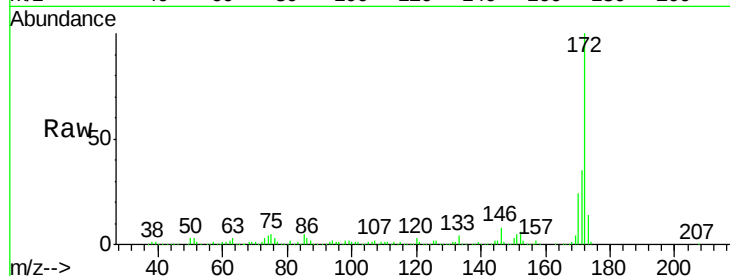




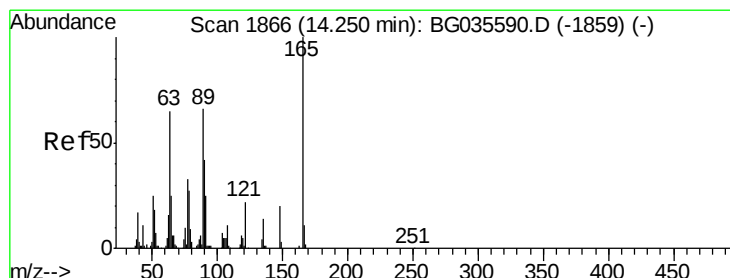
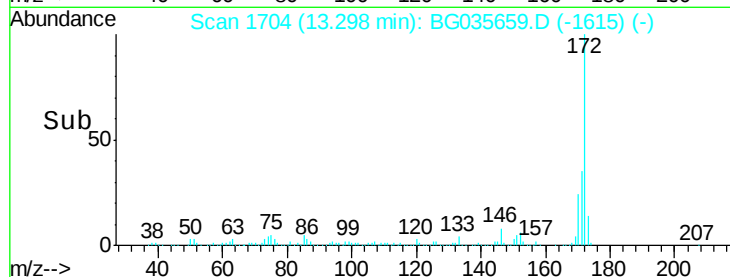
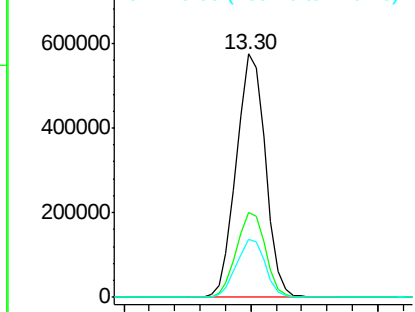
#44
 2-Fluorobiphenyl
 Concen: 95.483 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG035659.D
 Acq: 14 Jul 2018 10:20

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-3

Tgt Ion:172 Resp: 913289
 Ion Ratio Lower Upper
 172 100
 171 34.6 30.0 45.0
 170 23.7 19.5 29.3

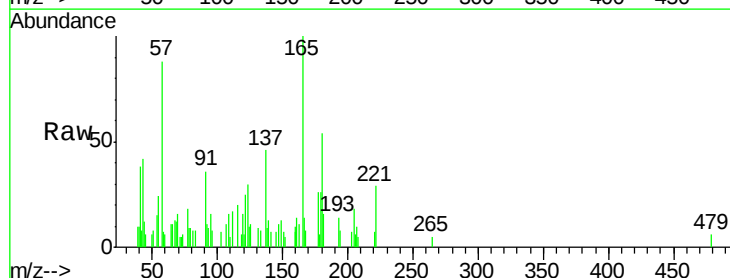


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

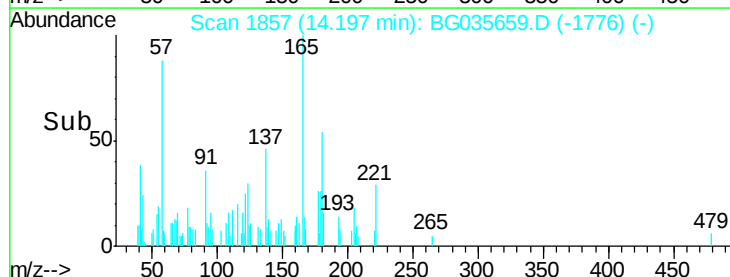
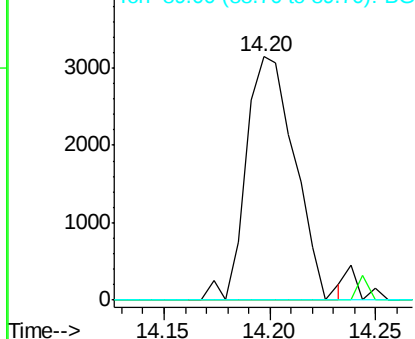


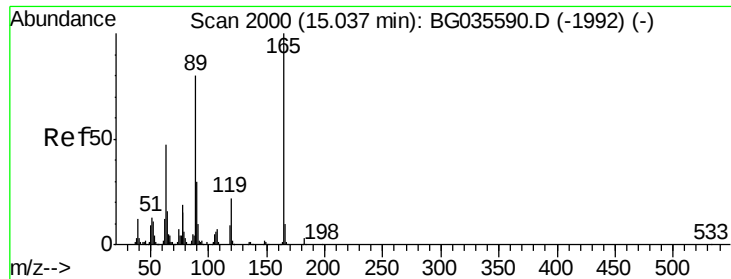
#50
 2,6-Dinitrotoluene
 Concen: 2.218 ng
 RT: 14.20 min Scan# 1857
 Delta R.T. -0.05 min
 Lab File: BG035659.D
 Acq: 14 Jul 2018 10:20

Tgt Ion:165 Resp: 5070
 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





#56

2,4-Dinitrotoluene

Concen: 4.955 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.36 min

Lab File: BG035659.D

Acq: 14 Jul 2018 10:20

Instrument :

BNA_G

ClientSampleId :

DRUM-3

Tgt Ion:165 Resp: 16253

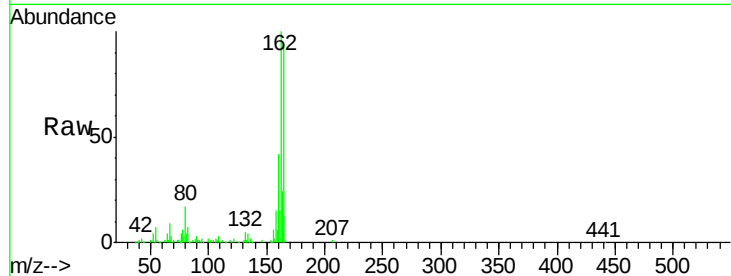
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 4.2 66.9 100.3#

182 0.0 2.6 3.8#

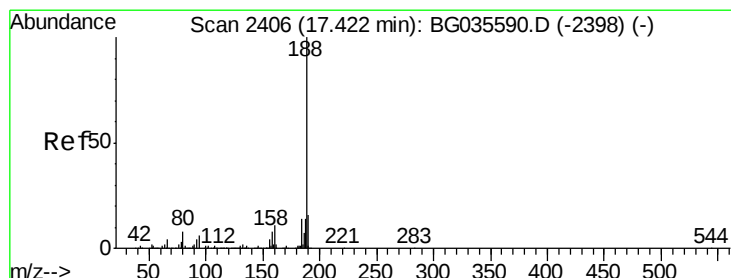
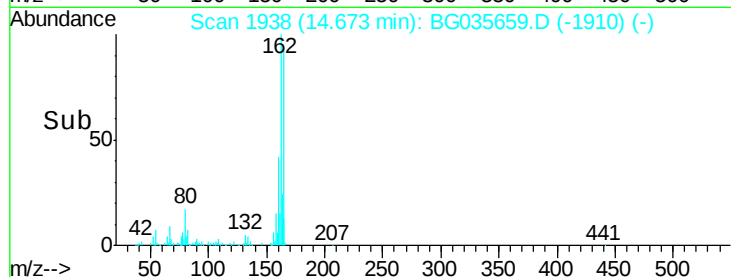
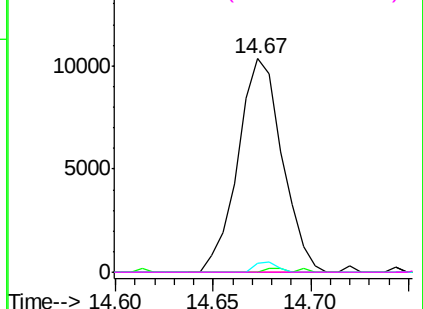


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG035659.D

Acq: 14 Jul 2018 10:20

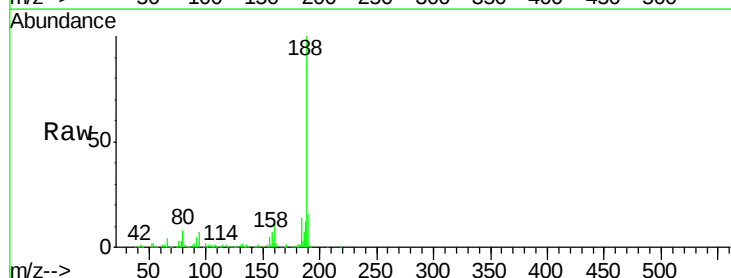
Tgt Ion:188 Resp: 355853

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

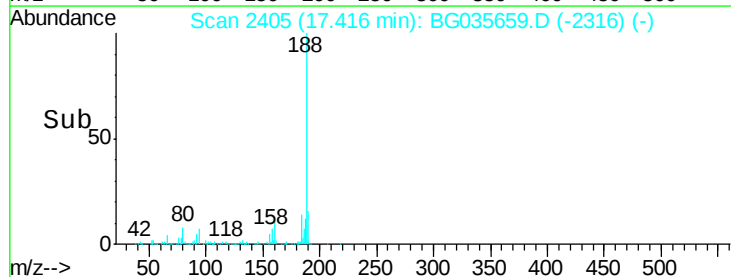
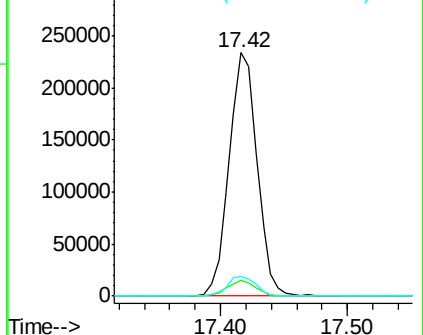
80 8.2 7.7 11.5

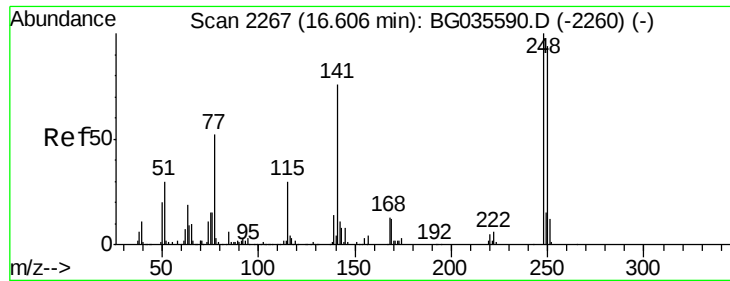


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

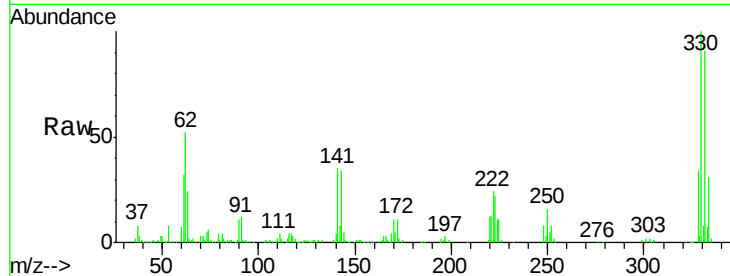




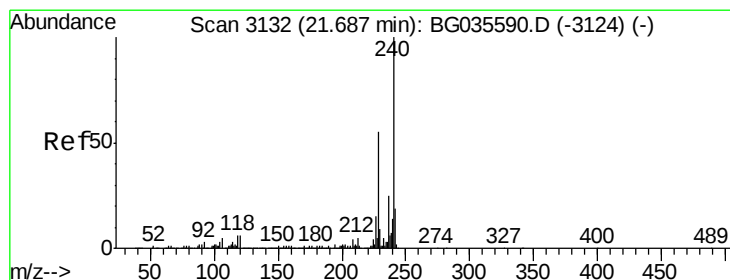
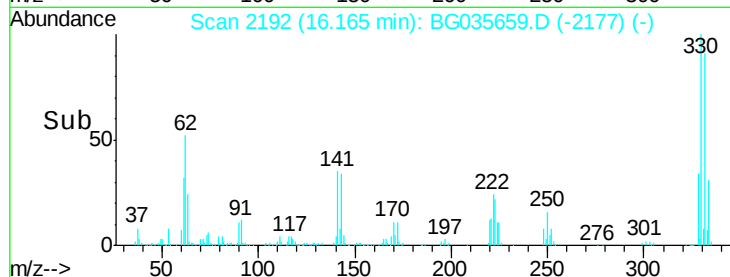
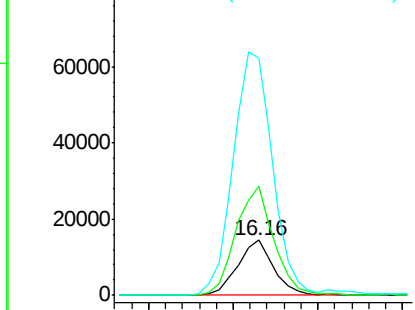
#66
 4-Bromophenyl-phenylether
 Concen: 5.229 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.44 min
 Lab File: BG035659.D
 Acq: 14 Jul 2018 10:20

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-3

Tgt Ion:248 Resp: 21589
 Ion Ratio Lower Upper
 248 100
 250 198.2 77.1 115.7#
 141 427.2 50.8 76.2#

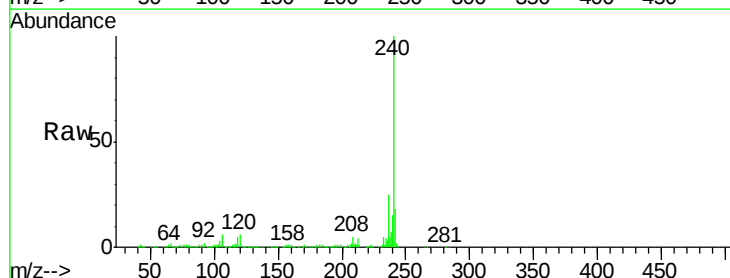


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

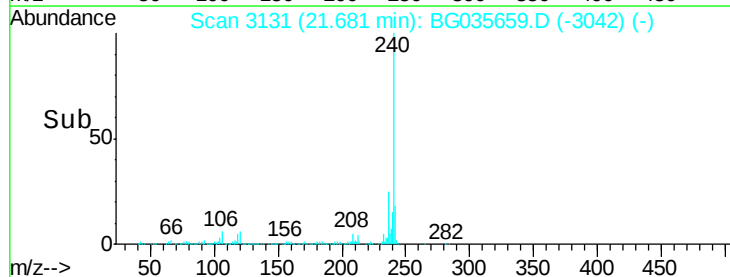
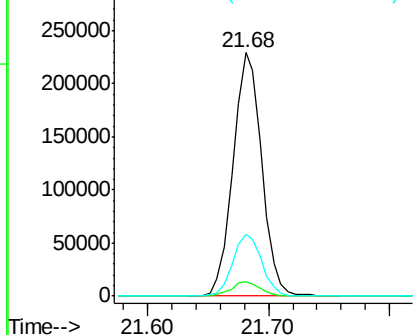


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG035659.D
 Acq: 14 Jul 2018 10:20

Tgt Ion:240 Resp: 379617
 Ion Ratio Lower Upper
 240 100
 120 6.1 6.8 10.2#
 236 25.3 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: 3.165 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035659.D

Acq: 14 Jul 2018 10:20

Instrument :

BNA_G

ClientSampleId :

DRUM-3

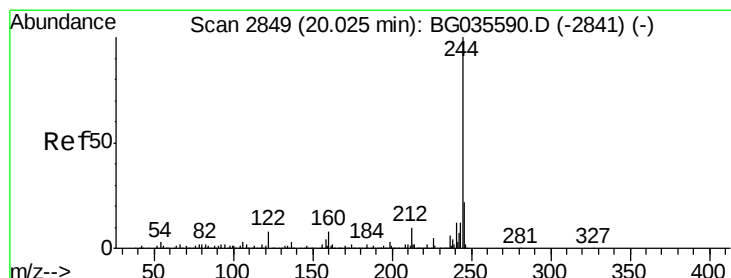
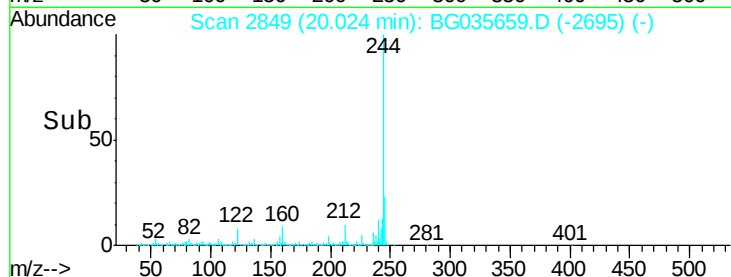
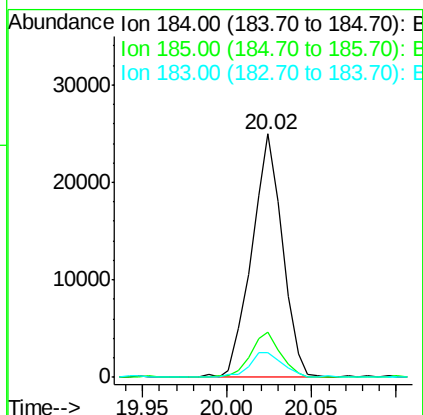
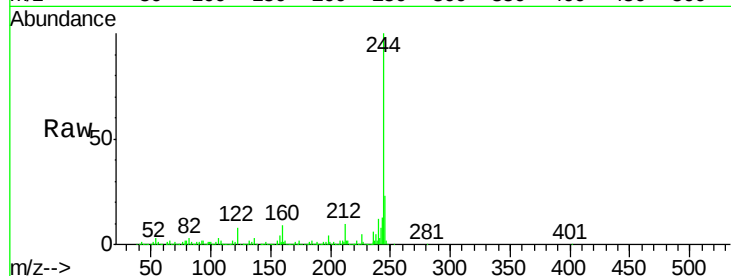
Tgt Ion:184 Resp: 31591

Ion Ratio Lower Upper

184 100

185 18.7 11.1 16.7#

183 10.3 10.6 16.0#



#78

Terphenyl-d14

Concen: 97.968 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035659.D

Acq: 14 Jul 2018 10:20

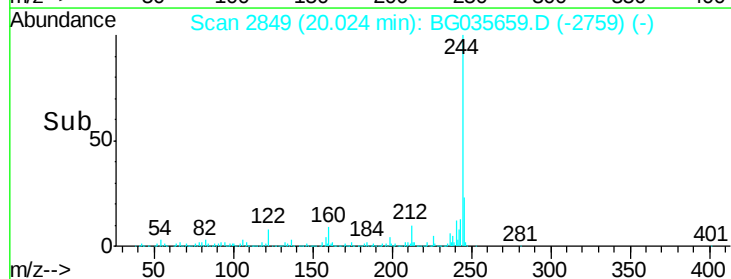
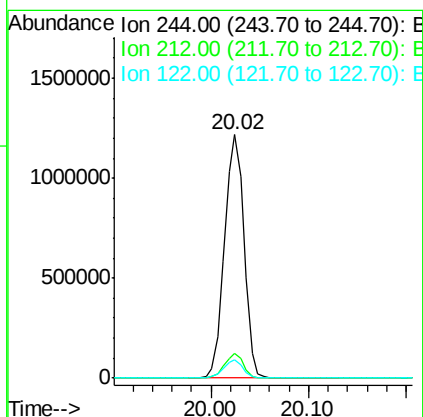
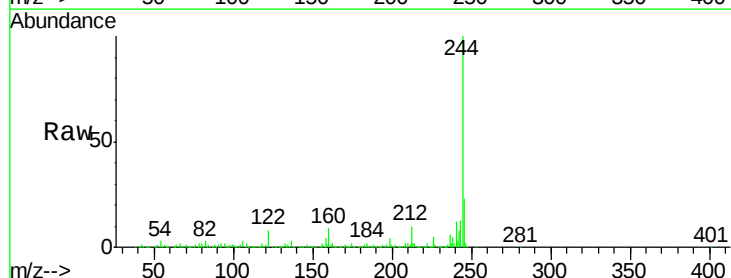
Tgt Ion:244 Resp: 1687165

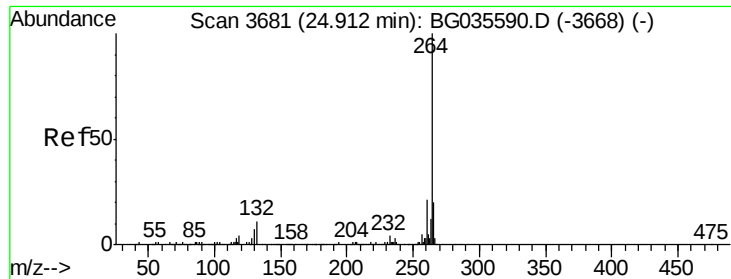
Ion Ratio Lower Upper

244 100

212 10.4 5.8 8.8#

122 7.7 7.0 10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.01 min
Lab File: BG035659.D
Acq: 14 Jul 2018 10:20

Instrument :
BNA_G
ClientSampleId :
DRUM-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	20.9	17.7	26.5

