

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\
 Data File : BG035324.D
 Acq On : 22 Jun 2018 8:15
 Operator : JU/SJ
 Sample : J3603-20
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 22 09:39:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

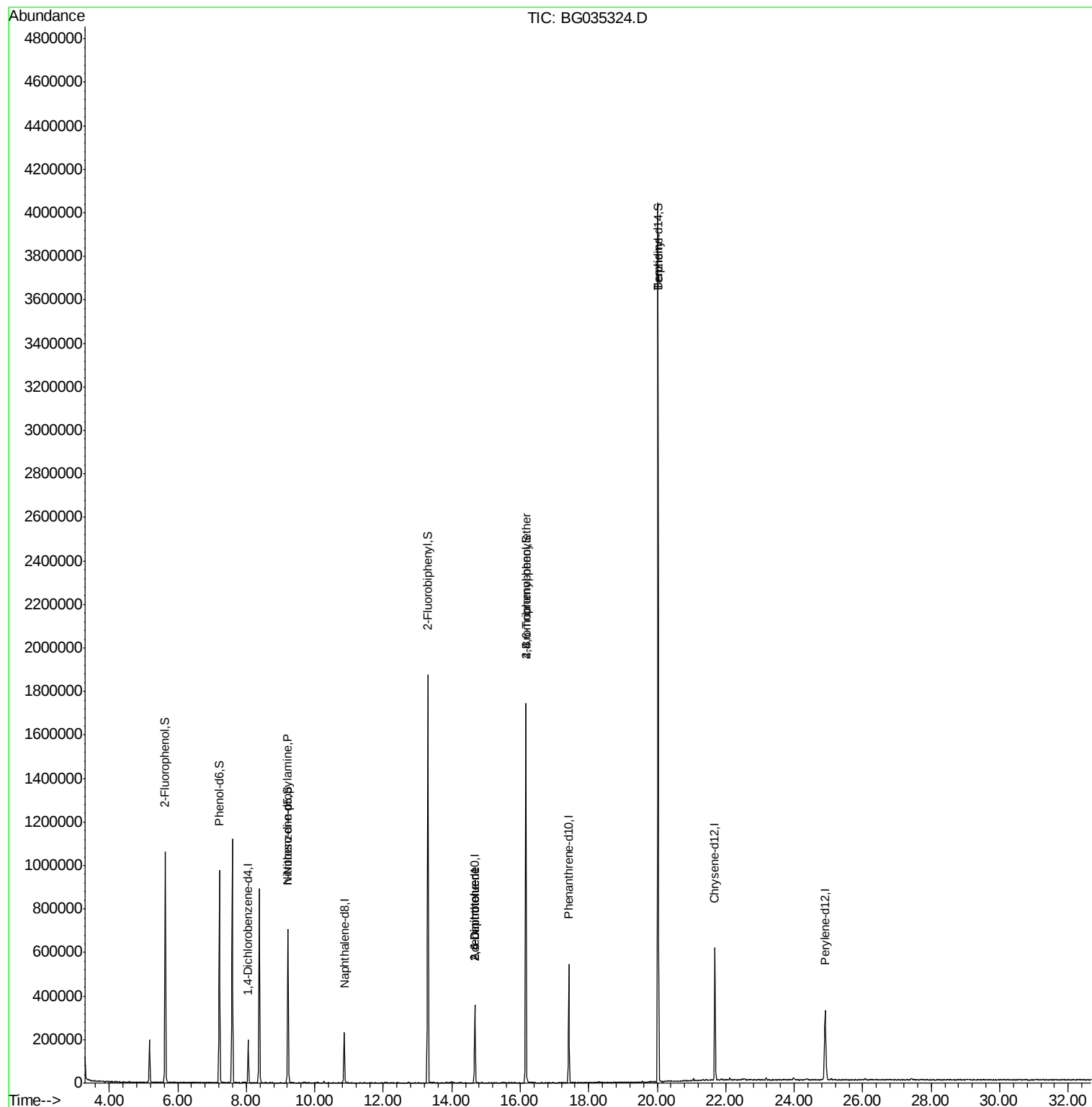
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	56349	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	192050	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	131534	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	357708	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	396545	20.00	ng	-0.04
86) Perylene-d12	24.90	264	379792	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	470193	140.82	ng	0.00
7) Phenol-d6	7.22	99	601819	122.12	ng	0.00
23) Nitrobenzene-d5	9.22	82	471043	116.59	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	326625	193.98	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1034180	102.21	ng	-0.02
78) Terphenyl-d14	20.02	244	1912854	101.04	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	62408	14.906	ng	# 65
50) 2,6-Dinitrotoluene	14.67	165	17646	8.433	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	17646	6.348	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	25475	5.914	ng	# 1
76) Benzidine	20.02	184	33764	2.289	ng	# 93

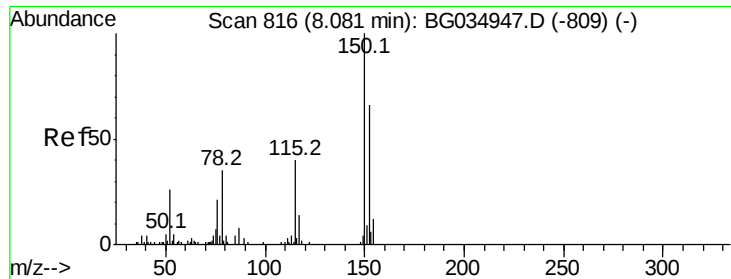
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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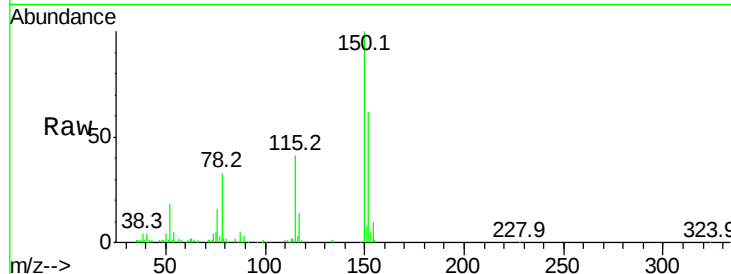


#1

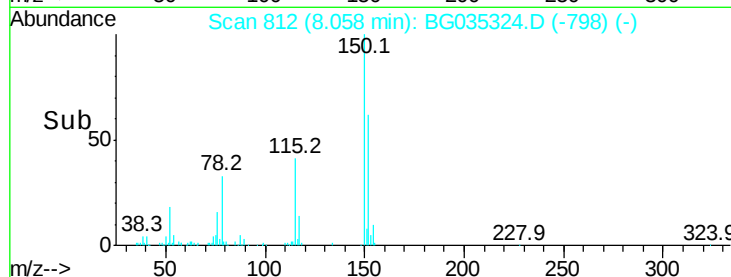
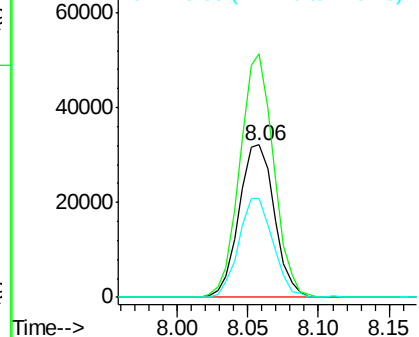
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035324.D
Acq: 22 Jun 2018 8:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56349
Ion Ratio Lower Upper
152 100
150 160.0 126.6 189.8
115 65.4 53.0 79.4



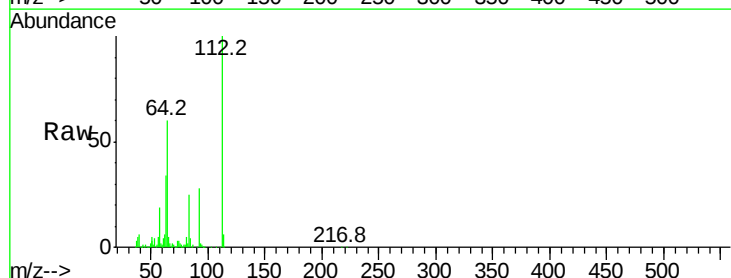
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



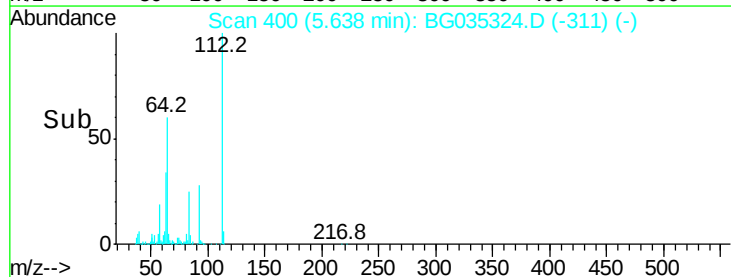
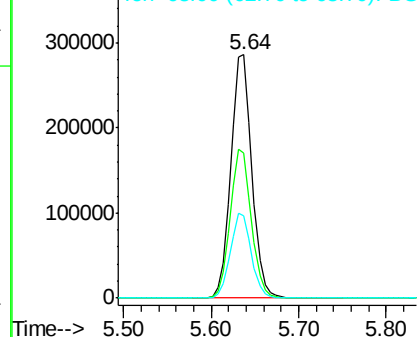
#5

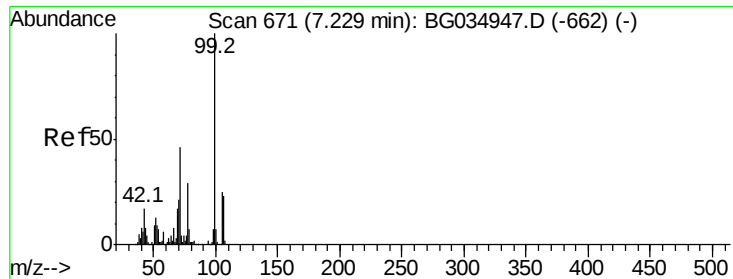
2-Fluorophenol
Concen: 140.819 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035324.D
Acq: 22 Jun 2018 8:15

Tgt Ion:112 Resp: 470193
Ion Ratio Lower Upper
112 100
64 59.8 56.3 84.5
63 33.9 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: 122.119 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035324.D

Acq: 22 Jun 2018 8:15

Instrument :

BNA_G

ClientSampleId :

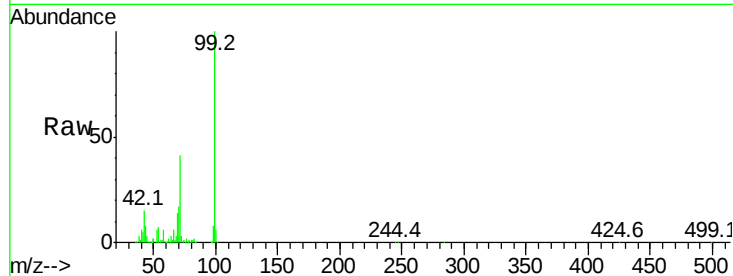
Tot Ion: 99 Resp: 601819

Ion Ratio Lower Upper

99 100

42 15.5 14.1 21.1

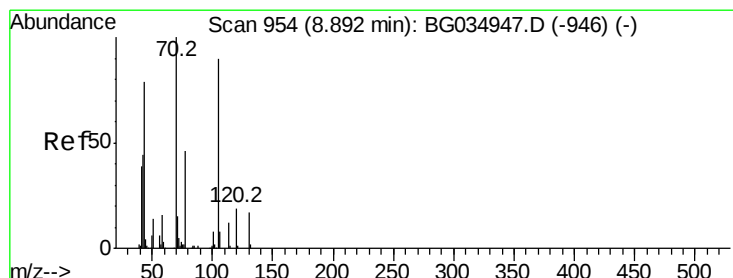
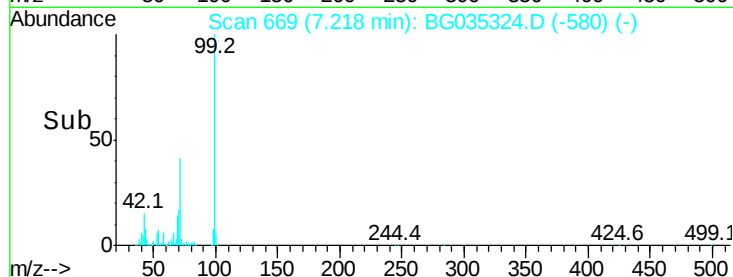
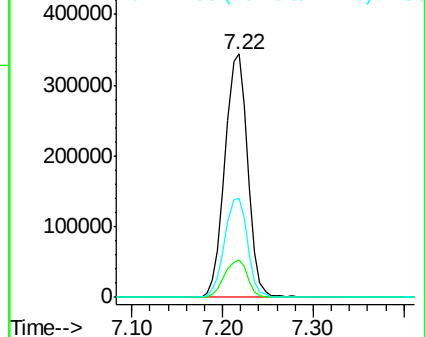
71 40.9 26.1 39.1#



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: 14.906 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035324.D

Acq: 22 Jun 2018 8:15

Tgt Ion: 70 Resp: 62408

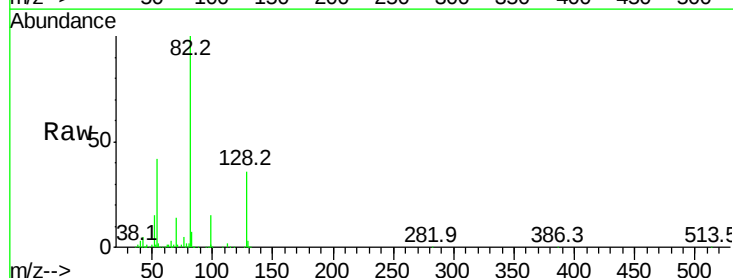
Ion Ratio Lower Upper

70 100

42 33.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

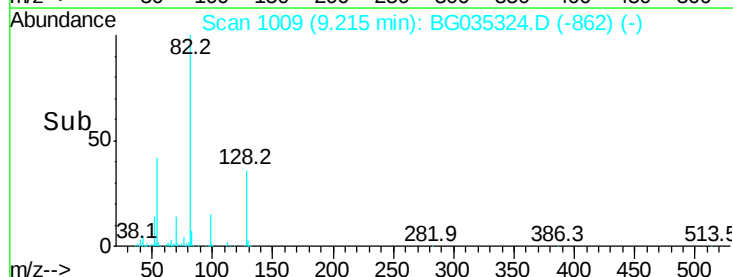
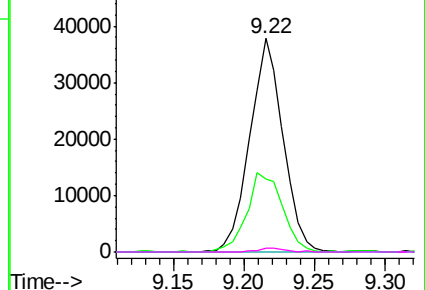


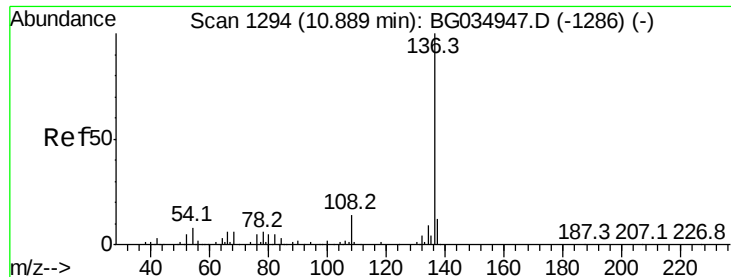
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.86 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BG035324.D

Acq: 22 Jun 2018 8:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 192050

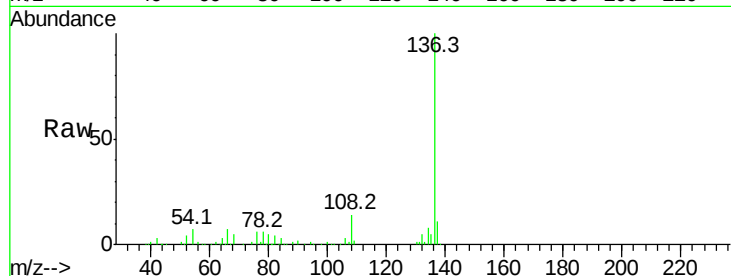
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 7.0 10.3 15.5#

68 4.9 4.5 6.7

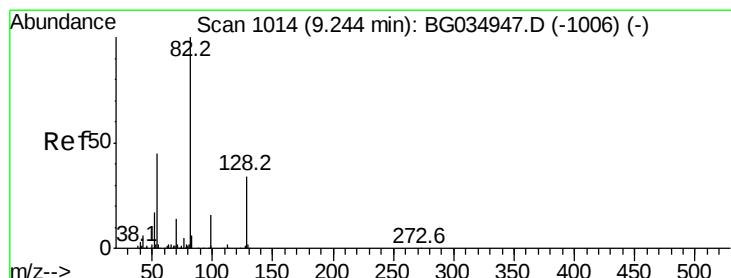
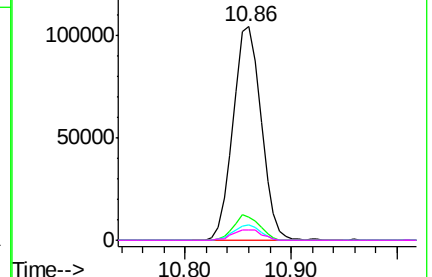
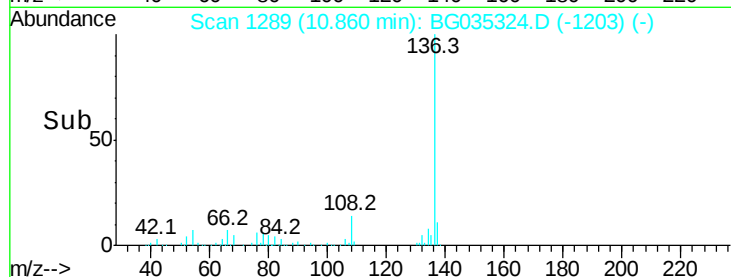


Abundance Ion 136.00 (135.70 to 136.70): E

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: 116.588 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035324.D

Acq: 22 Jun 2018 8:15

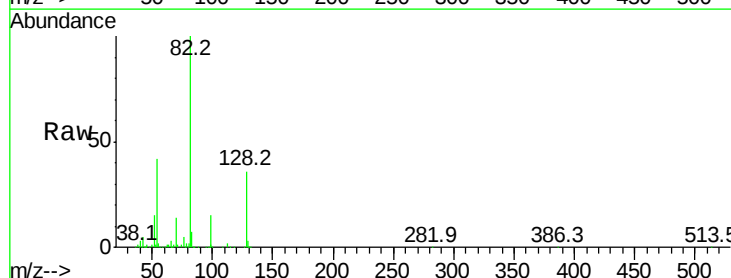
Tgt Ion: 82 Resp: 471043

Ion Ratio Lower Upper

82 100

128 35.8 29.7 44.5

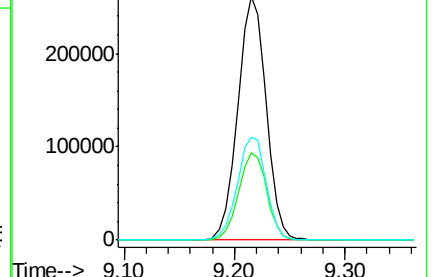
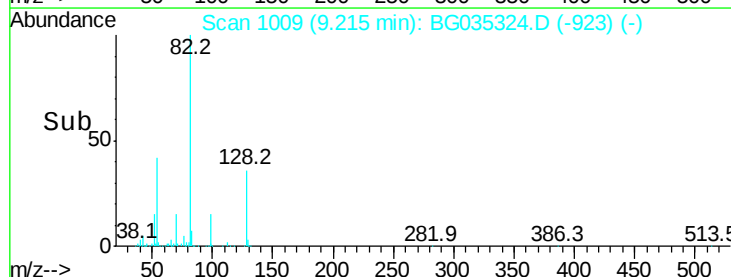
54 42.1 43.1 64.7#

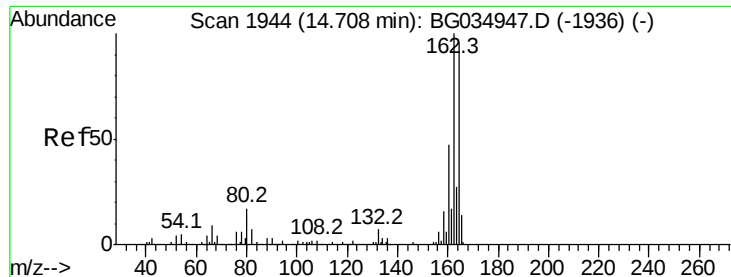


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035324.D

Acq: 22 Jun 2018 8:15

Instrument :

BNA_G

ClientSampled :

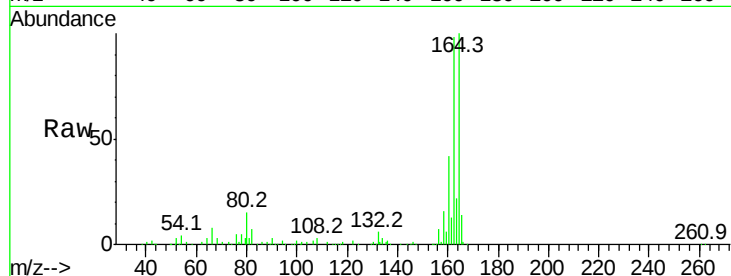
Tot Ion:164 Resp: 131534

Ion Ratio Lower Upper

164 100

162 97.9 78.8 118.2

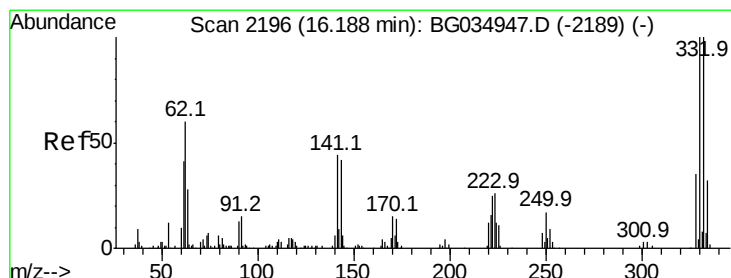
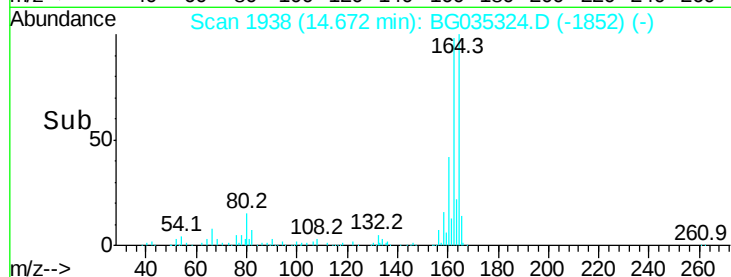
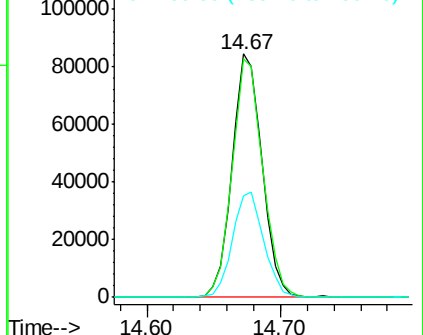
160 41.7 35.4 53.0



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: 193.981 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035324.D

Acq: 22 Jun 2018 8:15

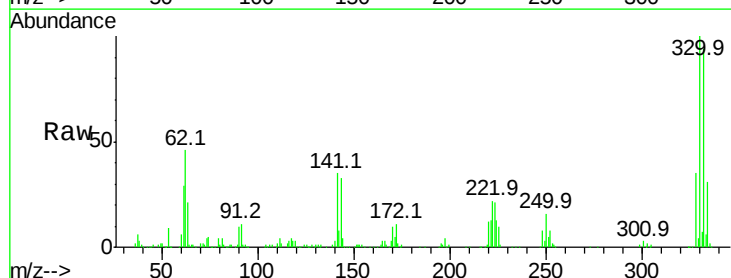
Tgt Ion:330 Resp: 326625

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

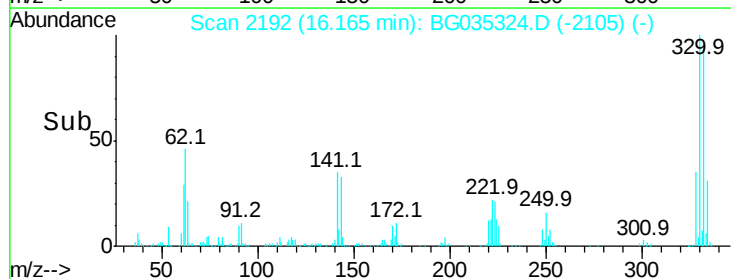
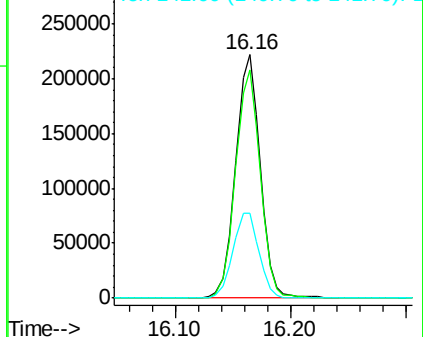
141 37.3 25.2 37.8

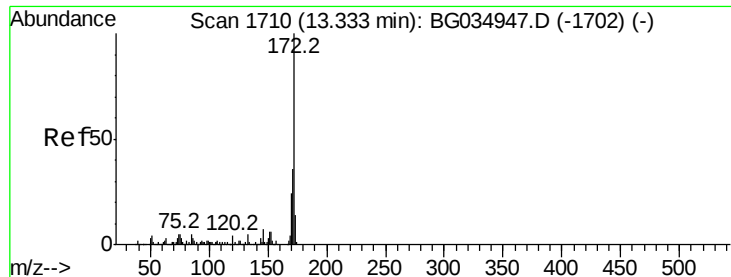


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

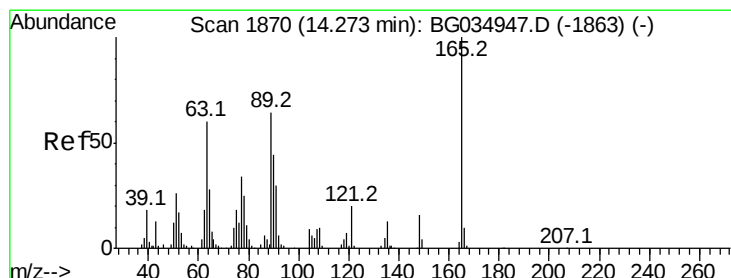
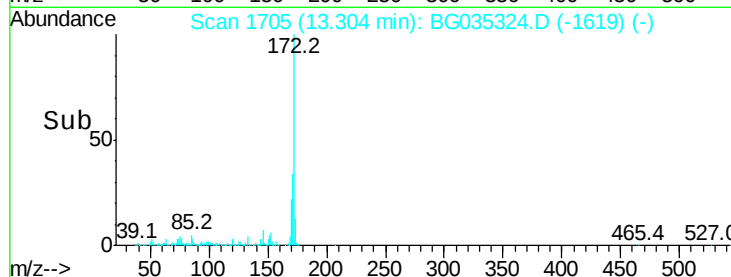
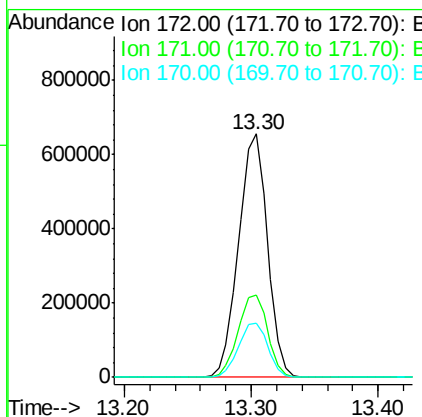
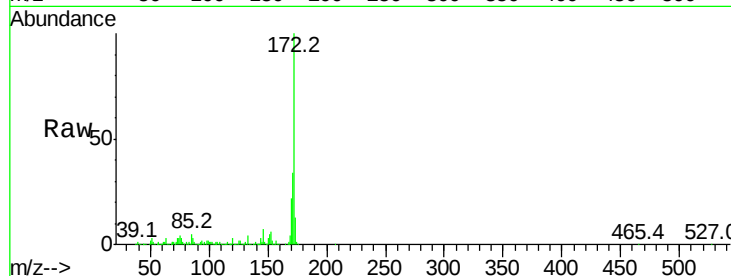




#44
2-Fluorobiphenyl
Concen: 102.212 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BG035324.D
Acq: 22 Jun 2018 8:15

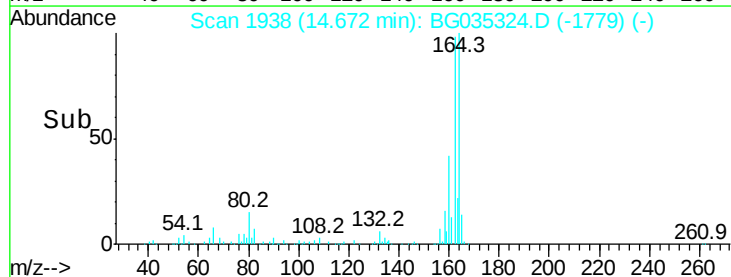
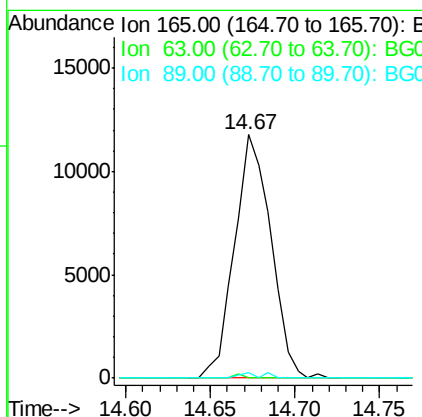
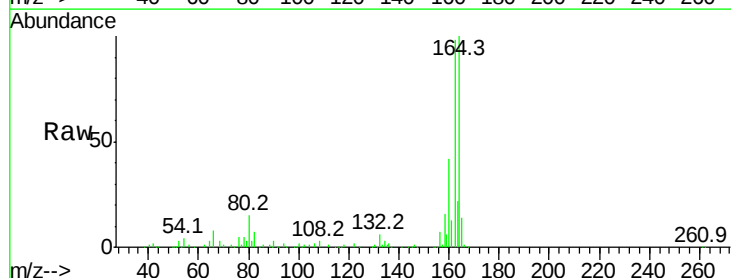
Instrument :
BNA_G
ClientSampleId :

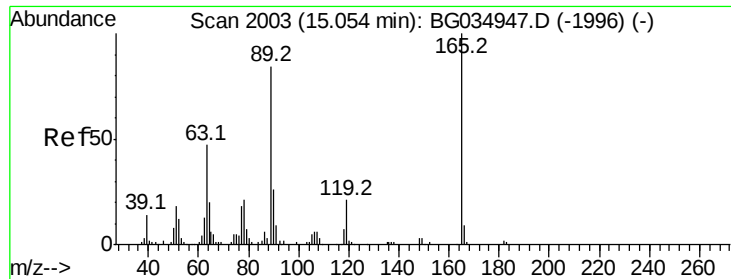
Tot Ion:172 Resp: 1034180
Ion Ratio Lower Upper
172 100
171 34.1 30.0 45.0
170 22.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.433 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.40 min
Lab File: BG035324.D
Acq: 22 Jun 2018 8:15

Tgt Ion:165 Resp: 17646
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.1 49.2 73.8#

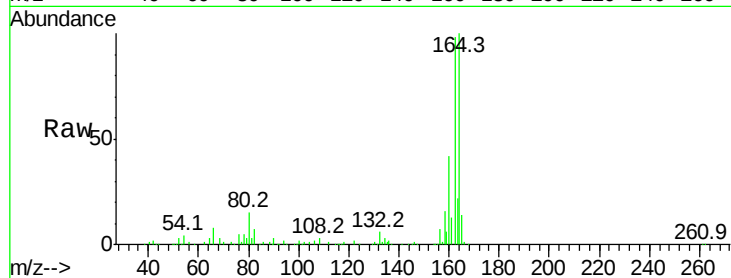




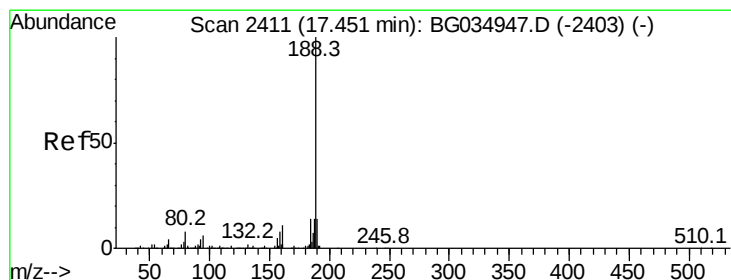
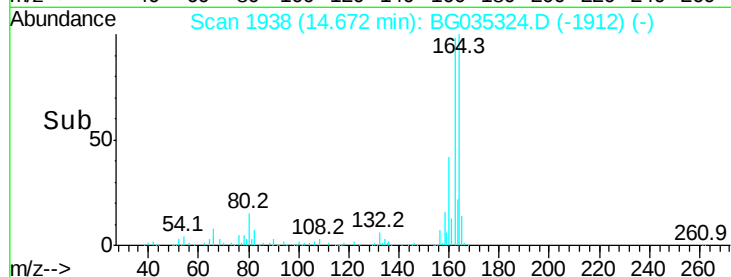
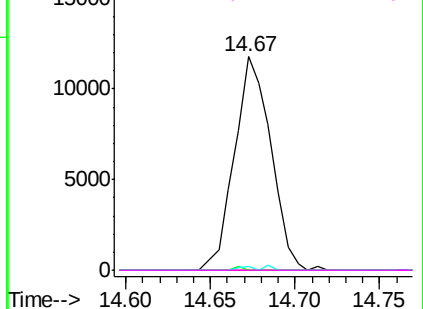
#56
 2,4-Dinitrotoluene
 Concen: 6.348 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG035324.D
 Acq: 22 Jun 2018 8:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17646
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.1 66.9 100.3#
 182 0.0 2.6 3.8#

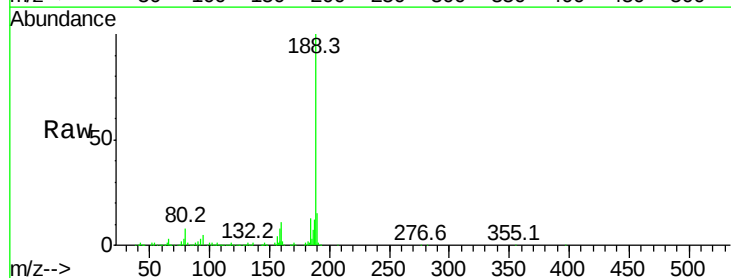


Abundance Ion 165.00 (164.70 to 165.70): E

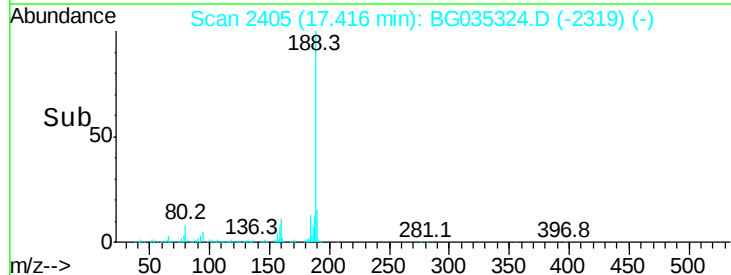
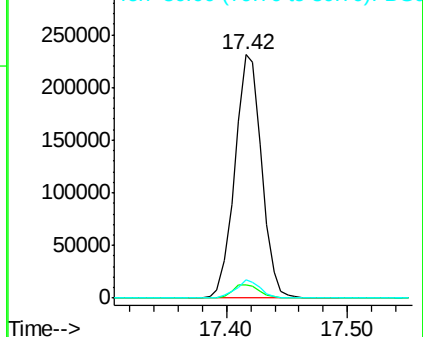


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035324.D
 Acq: 22 Jun 2018 8:15

Tgt Ion:188 Resp: 357708
 Ion Ratio Lower Upper
 188 100
 94 5.3 6.9 10.3#
 80 7.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

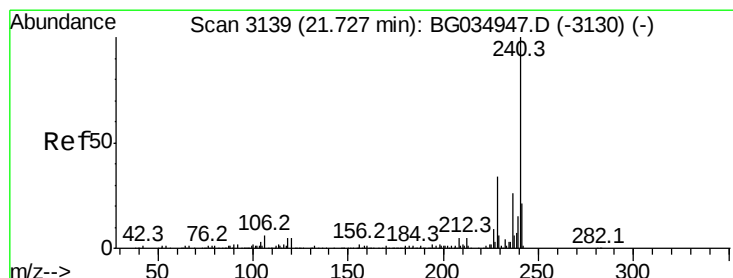
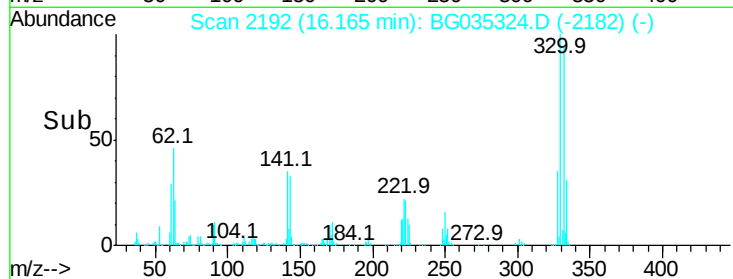
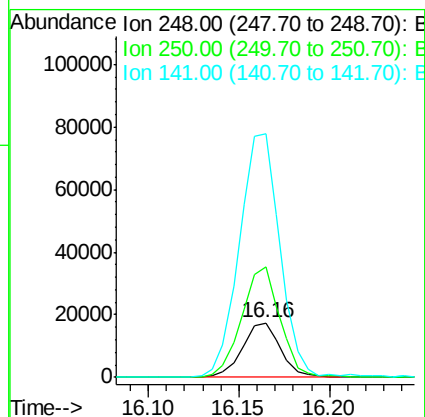
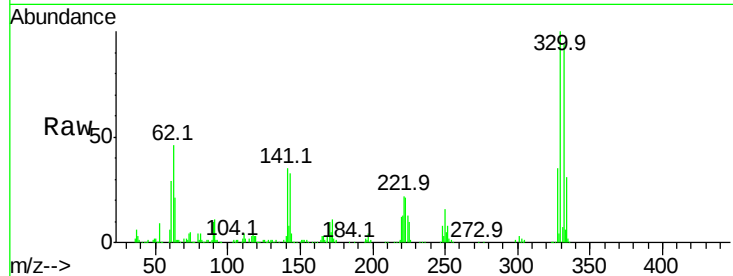




#66
 4-Bromophenyl-phenylether
 Concen: 5.914 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.47 min
 Lab File: BG035324.D
 Acq: 22 Jun 2018 8:15

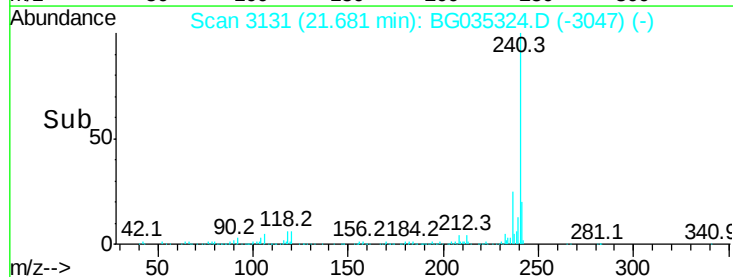
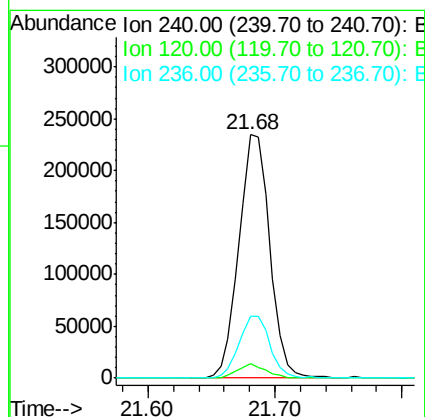
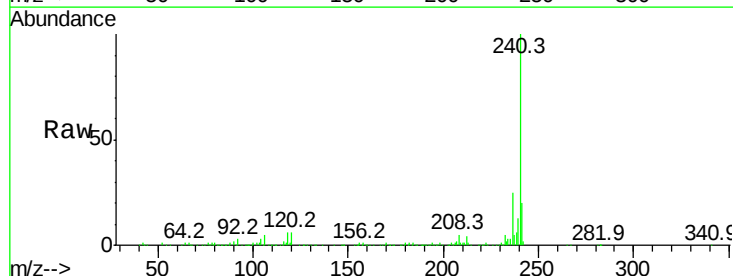
Instrument :
 BNA_G
 ClientSampleId :

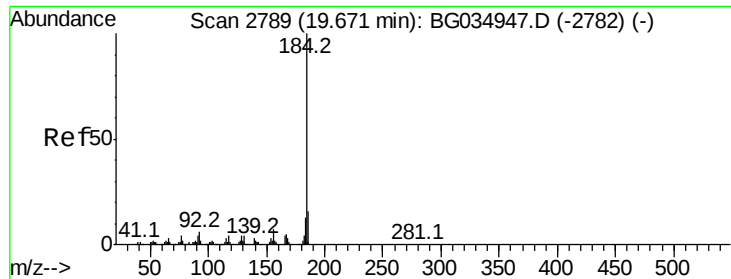
Tot Ion	Ratio	Lower	Upper
248	100		
250	203.9	77.1	115.7#
141	447.9	50.8	76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.04 min
 Lab File: BG035324.D
 Acq: 22 Jun 2018 8:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.8	6.8	10.2#
236	25.4	20.9	31.3





#76

Benzidine

Concen: 2.289 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035324.D

Acq: 22 Jun 2018 8:15

Instrument :

BNA_G

ClientSampleId :

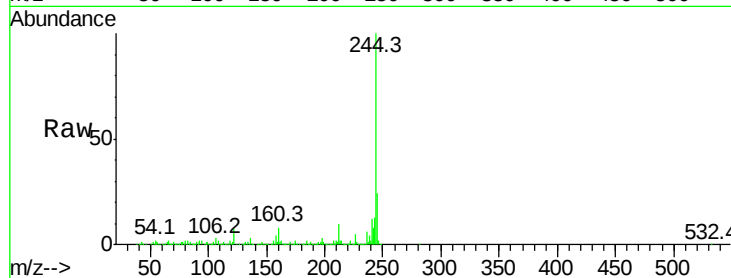
Tot Ion:184 Resp: 33764

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

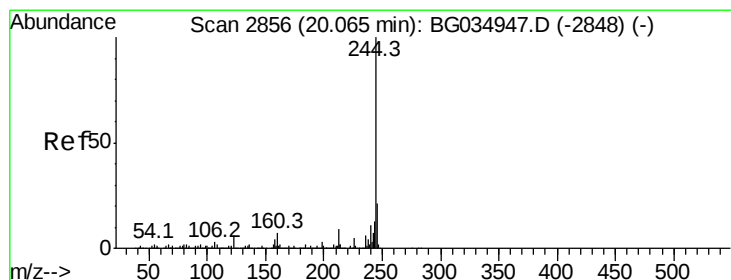
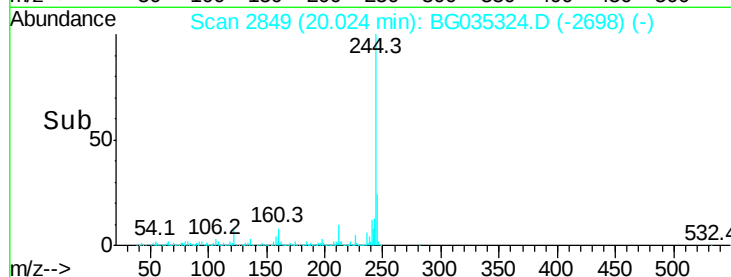
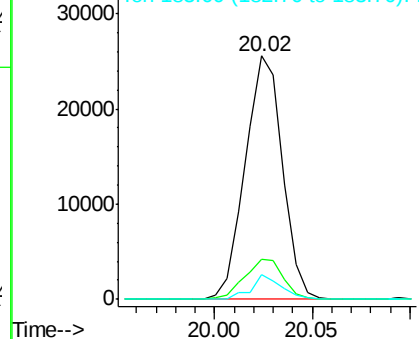
183 10.3 10.6 16.0#



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: 101.043 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035324.D

Acq: 22 Jun 2018 8:15

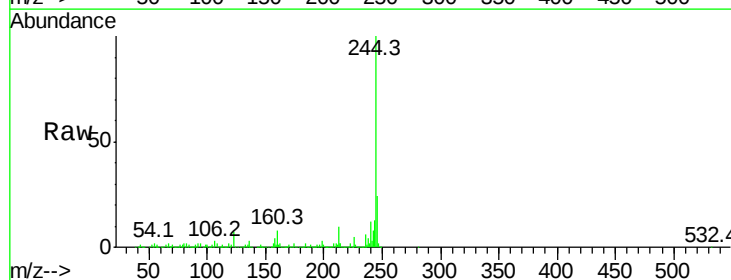
Tgt Ion:244 Resp: 1912854

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

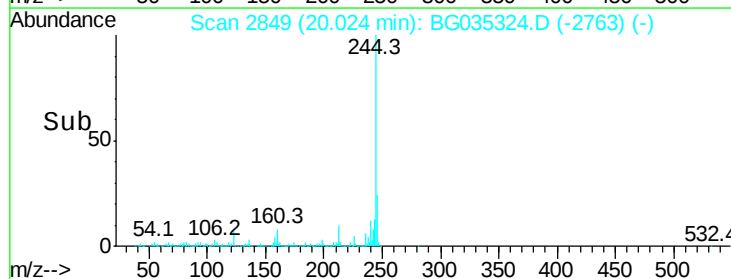
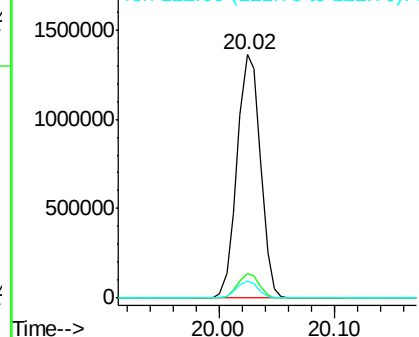
122 7.3 7.0 10.4

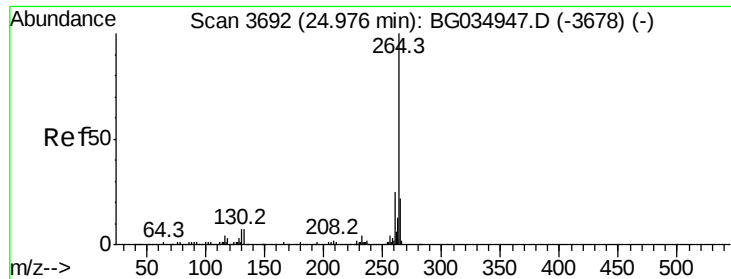


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

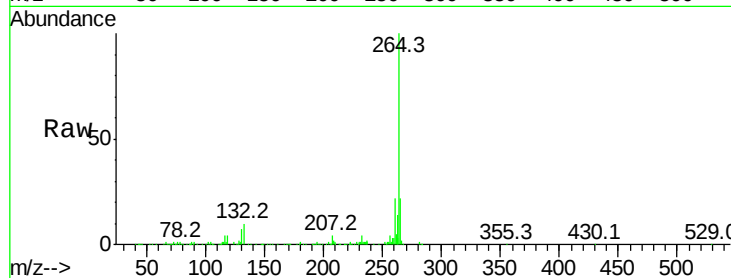




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3679
 Delta R.T. -0.05 min
 Lab File: BG035324.D
 Acq: 22 Jun 2018 8:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.4	26.0
265	21.7	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

