

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061818\
 Data File : BG035235.D
 Acq On : 19 Jun 2018 2:58
 Operator : SJ/JU
 Sample : J3240-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 07:19:48 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

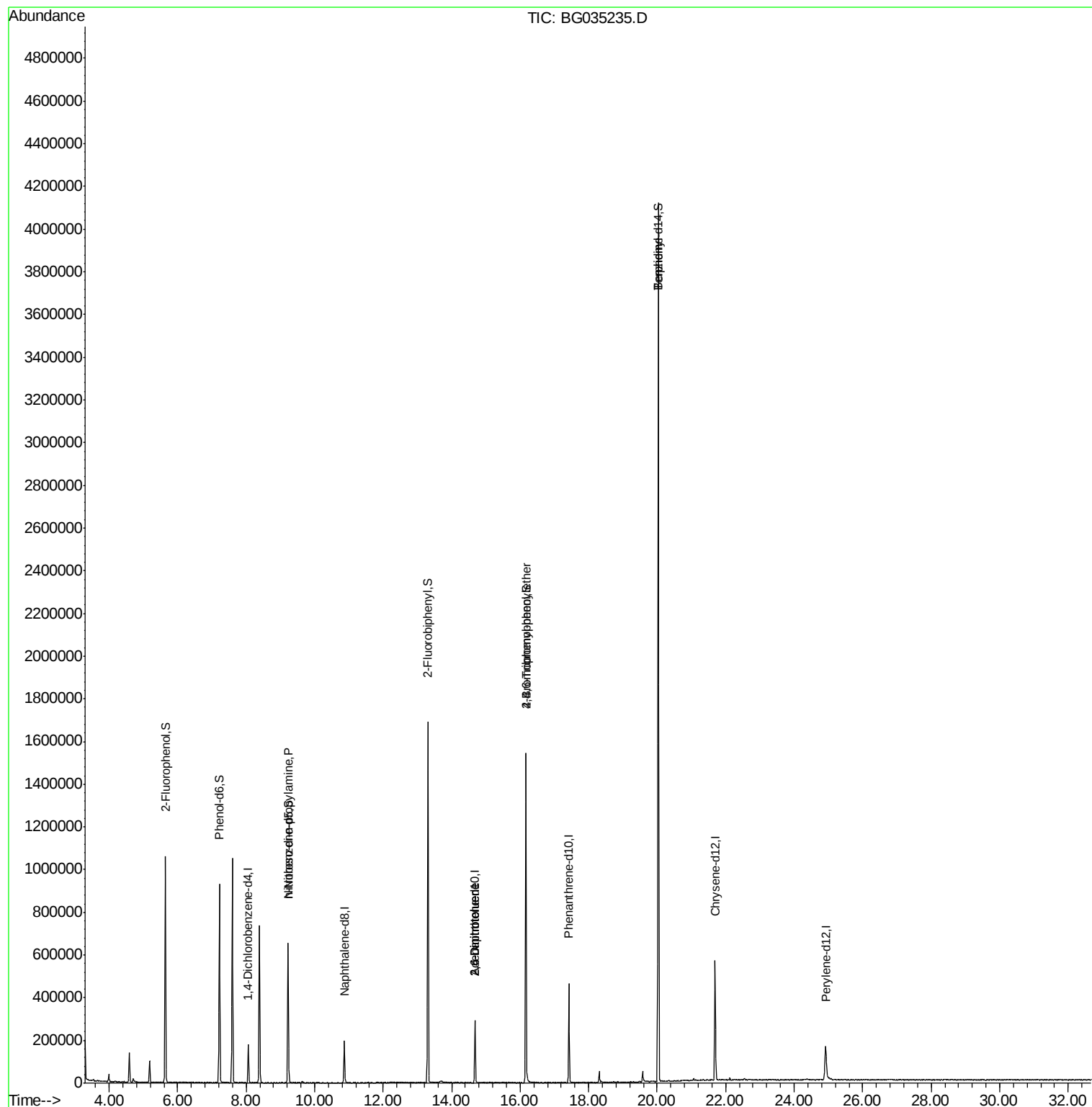
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	50111	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	167058	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	98382	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	297801	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	362905	20.00	ng	-0.03
86) Perylene-d12	24.92	264	139735	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	443898	149.49	ng	0.00
7) Phenol-d6	7.22	99	551953	125.94	ng	0.00
23) Nitrobenzene-d5	9.22	82	435874	124.02	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	296396	235.34	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	900618	119.01	ng	-0.02
78) Terphenyl-d14	20.03	244	1953352	112.75	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	62041	16.663	ng	# 67
50) 2,6-Dinitrotoluene	14.68	165	13787	8.809	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	13787	6.631	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	23962	6.682	ng	# 1
76) Benzidine	20.03	184	34358	2.545	ng	# 90

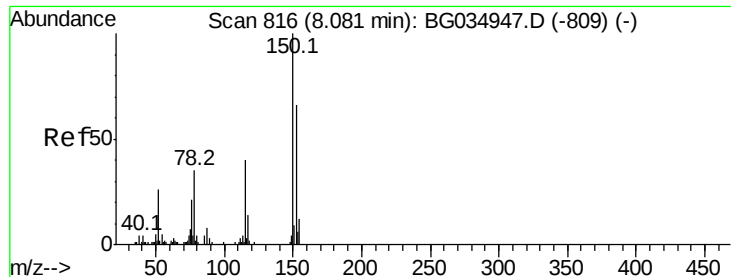
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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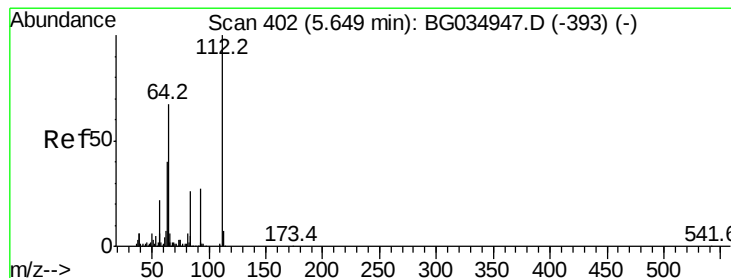
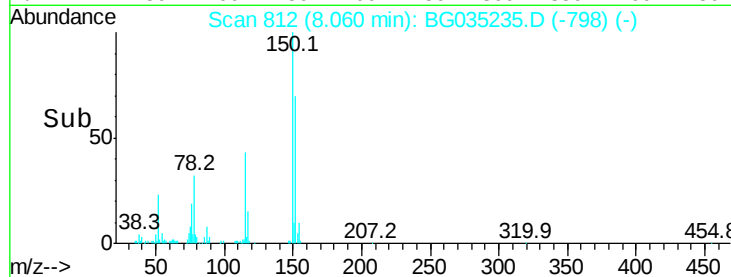
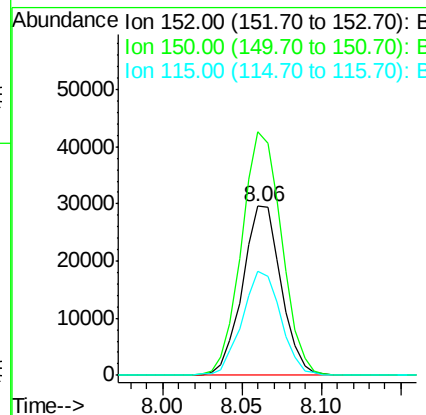
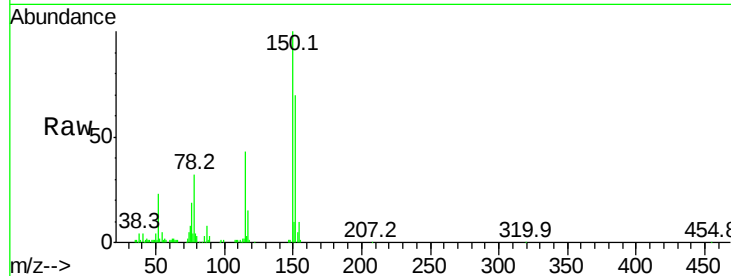


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035235.D
Acq: 19 Jun 2018 2:58

Instrument :
BNA_G
ClientSampleId :

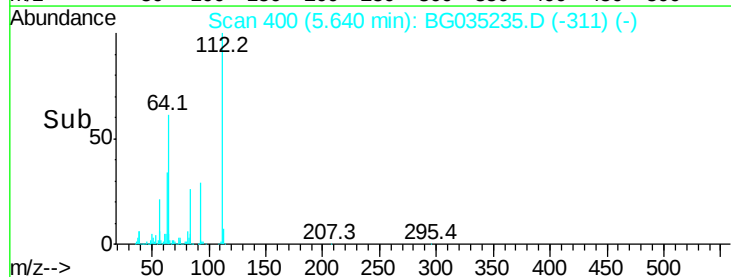
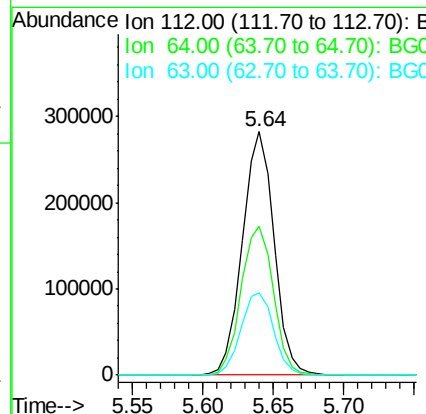
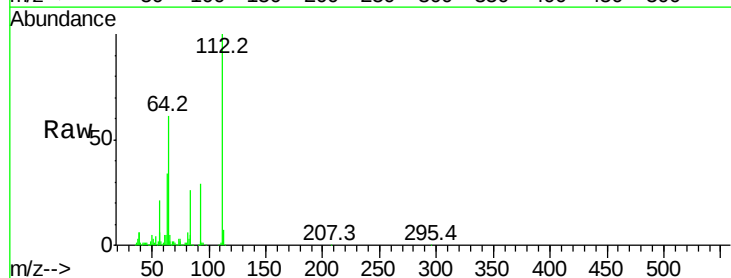
Tot Ion	Ratio	Lower	Upper
152	100		
150	143.8	126.6	189.8
115	61.9	53.0	79.4

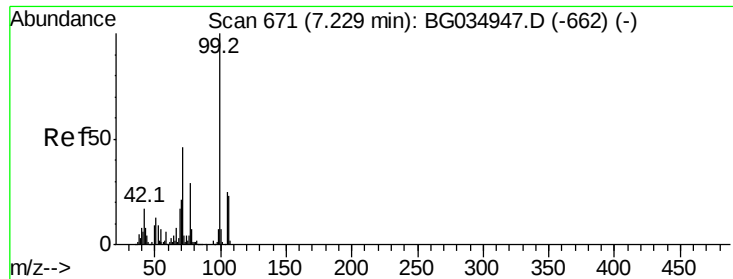


#5

2-Fluorophenol
Concen: 149.493 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.00 min
Lab File: BG035235.D
Acq: 19 Jun 2018 2:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	56.3	84.5
63	34.0	30.1	45.1





#7

Phenol-d6

Concen: 125.942 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035235.D

Acq: 19 Jun 2018 2:58

Instrument :

BNA_G

ClientSampleId :

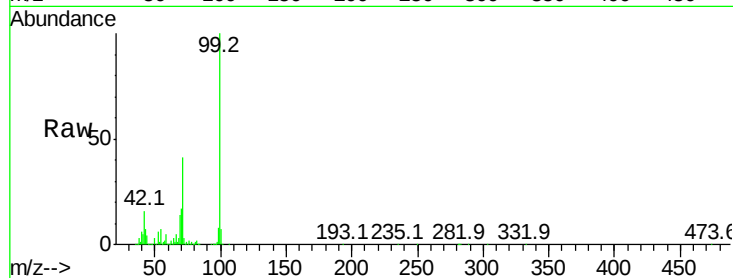
Tot Ion: 99 Resp: 551953

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

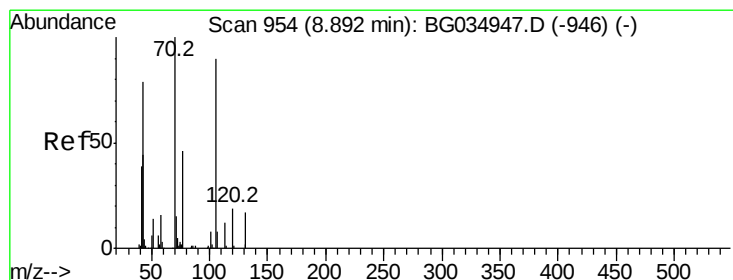
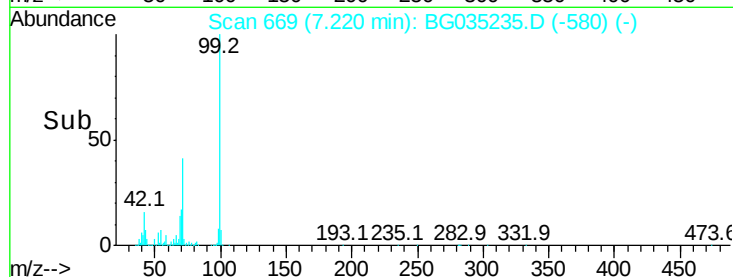
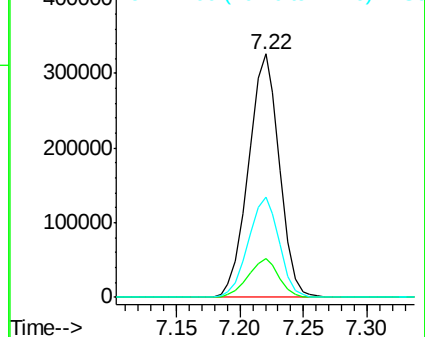
71 41.4 26.1 39.1#



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: 16.663 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035235.D

Acq: 19 Jun 2018 2:58

Tgt Ion: 70 Resp: 62041

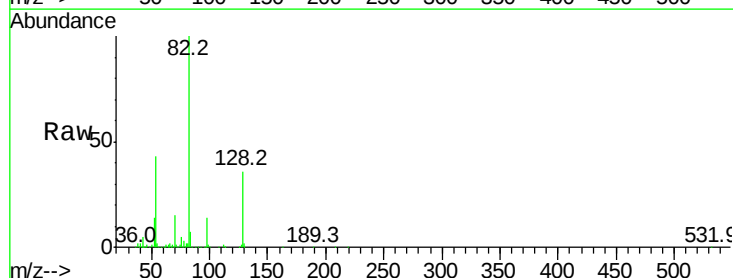
Ion Ratio Lower Upper

70 100

42 35.9 49.1 73.7#

101 0.0 8.5 12.7#

130 0.9 13.4 20.0#

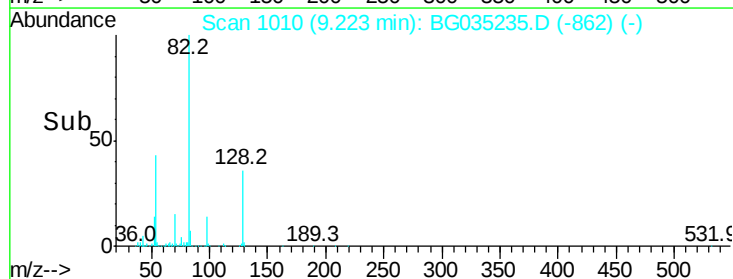
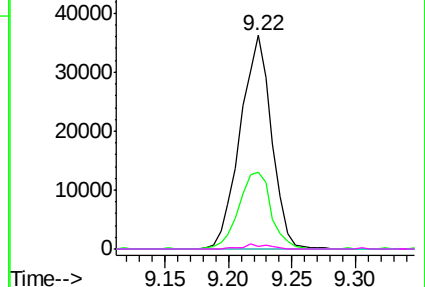


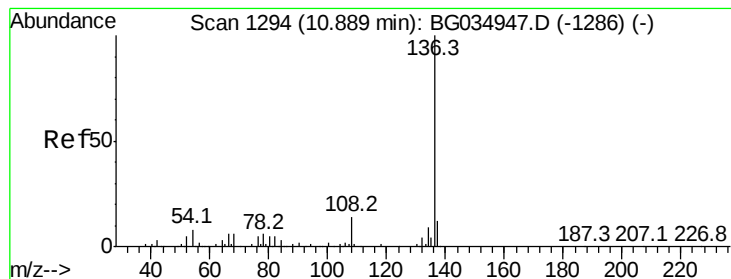
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.87 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BG035235.D

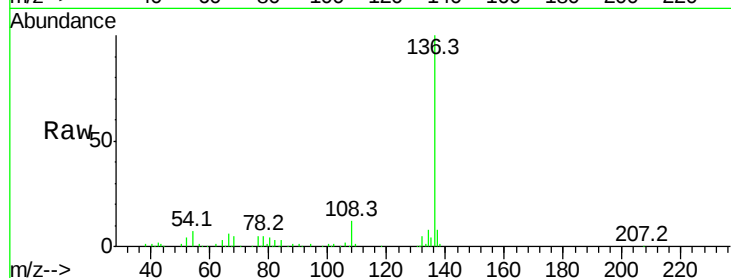
Acq: 19 Jun 2018 2:58

Instrument :

BNA_G

ClientSampled :

Tot Ion:136	Resp:	167058
Ion Ratio	Lower	Upper
136	100	
137	8.5	9.2 13.8#
54	7.0	10.3 15.5#
68	5.0	4.5 6.7

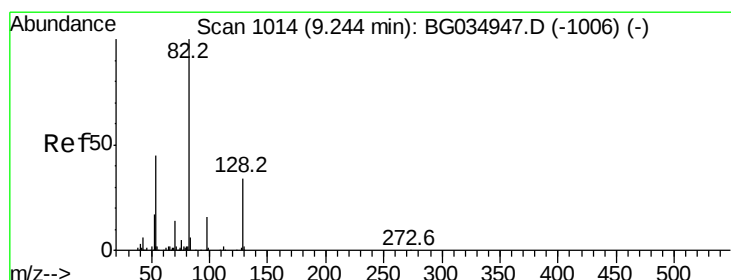
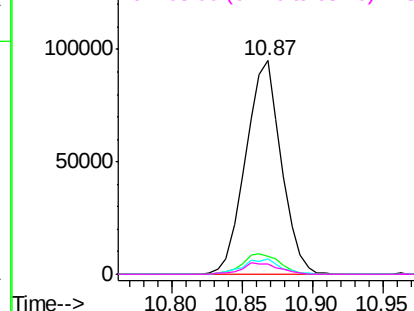
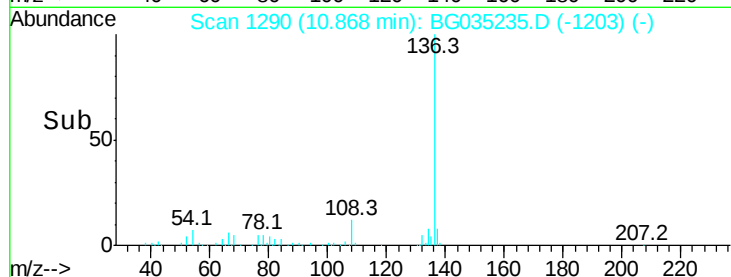


Abundance Ion 136.00 (135.70 to 136.70): E

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: 124.023 ng

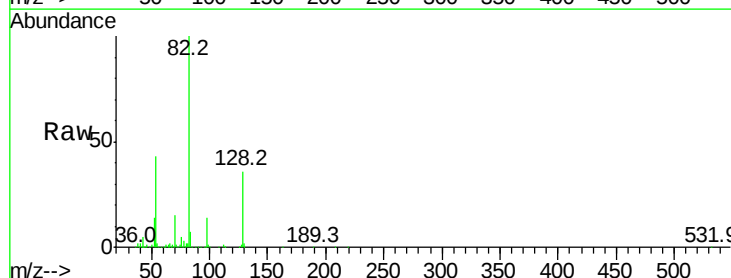
RT: 9.22 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BG035235.D

Acq: 19 Jun 2018 2:58

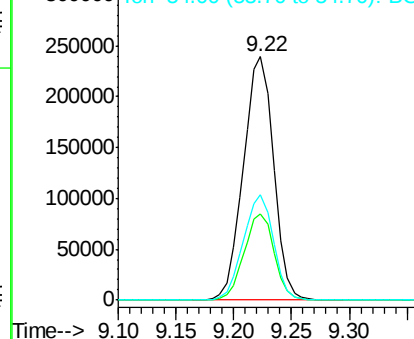
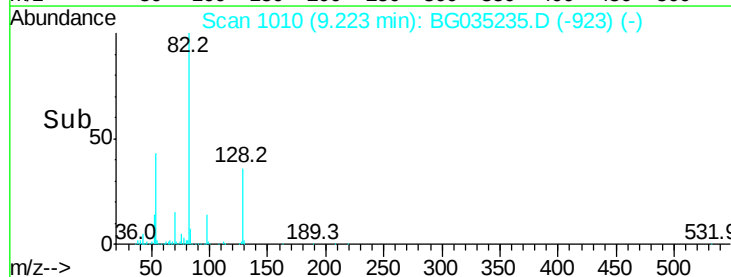
Tgt Ion: 82	Resp:	435874
Ion Ratio	Lower	Upper
82	100	
128	35.7	29.7 44.5
54	43.1	43.1 64.7#

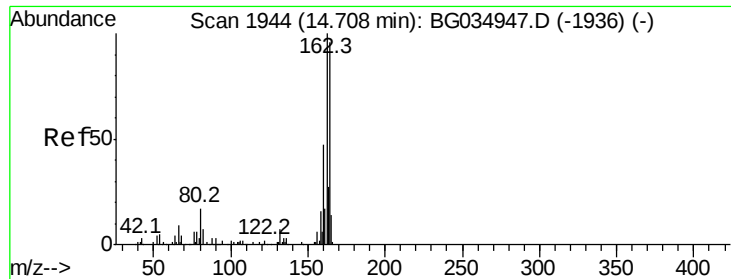


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035235.D

Acq: 19 Jun 2018 2:58

Instrument :

BNA_G

ClientSampleId :

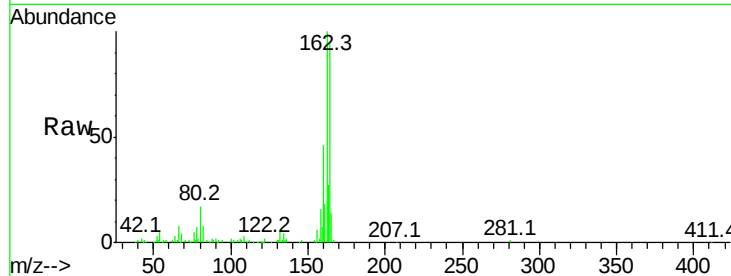
Tot Ion:164 Resp: 98382

Ion Ratio Lower Upper

164 100

162 105.9 78.8 118.2

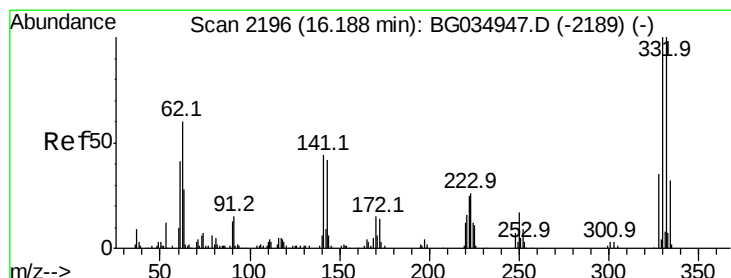
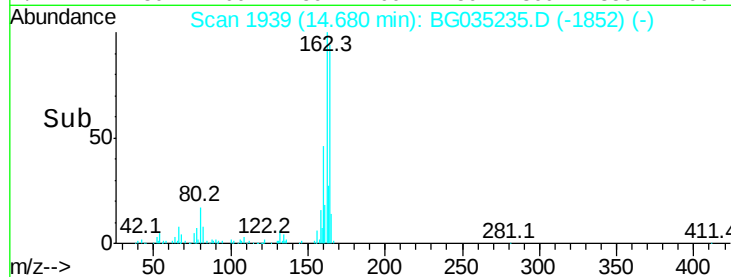
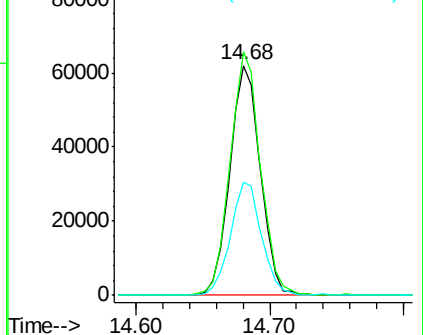
160 49.0 35.4 53.0



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: 235.344 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035235.D

Acq: 19 Jun 2018 2:58

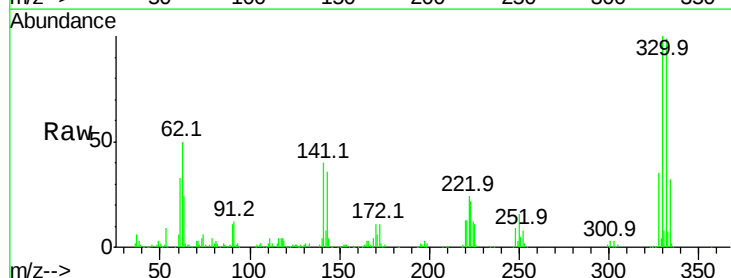
Tgt Ion:330 Resp: 296396

Ion Ratio Lower Upper

330 100

332 93.7 77.0 115.6

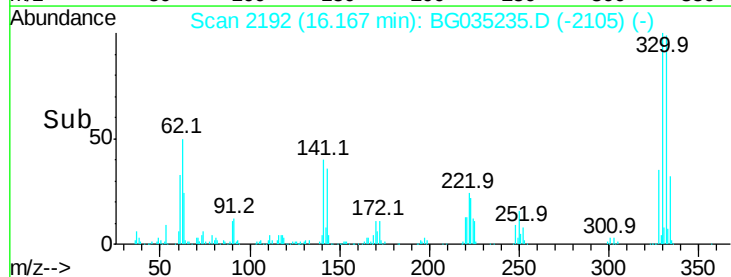
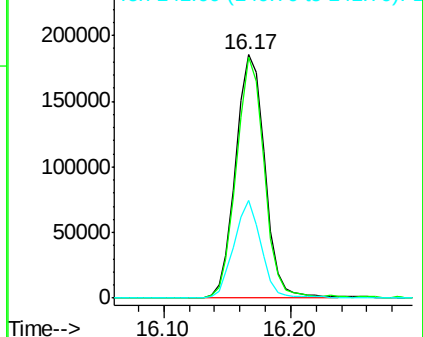
141 36.8 25.2 37.8

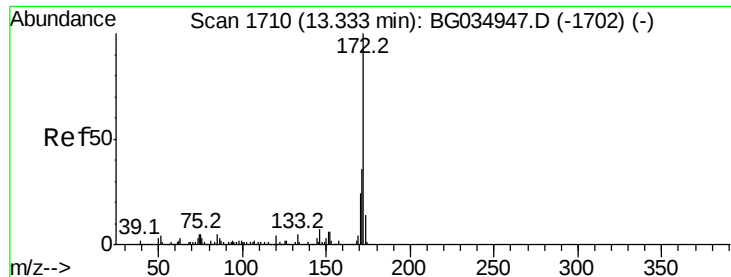


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

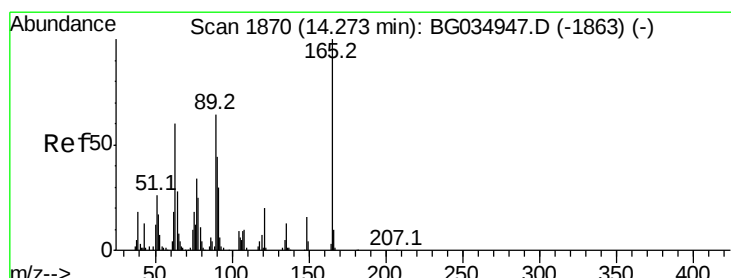
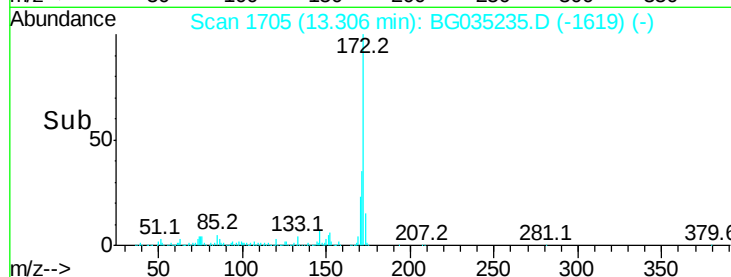
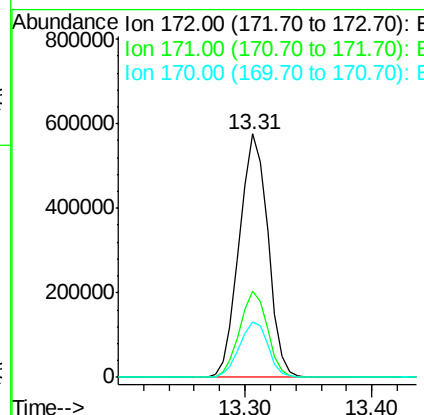
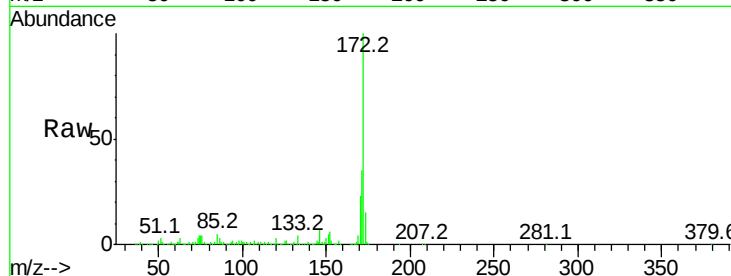




#44
 2-Fluorobiphenyl
 Concen: 119.006 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035235.D
 Acq: 19 Jun 2018 2:58

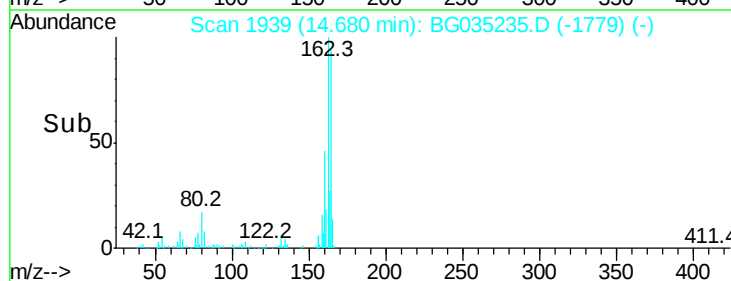
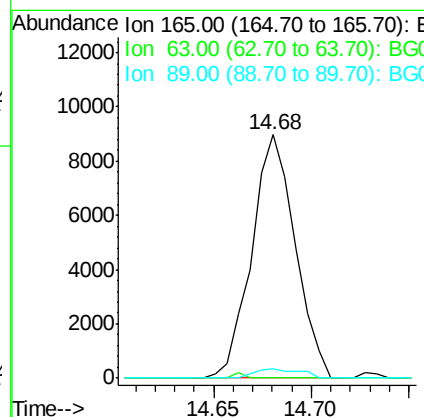
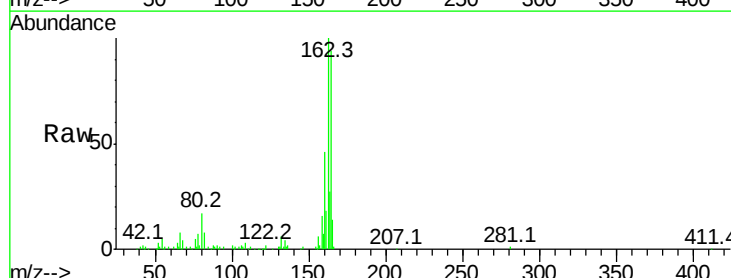
Instrument :
 BNA_G
 ClientSampleId :

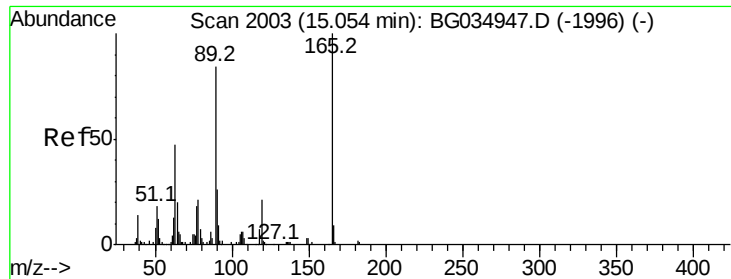
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.0	45.0
170	23.0	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.809 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035235.D
 Acq: 19 Jun 2018 2:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.9	49.2	73.8#

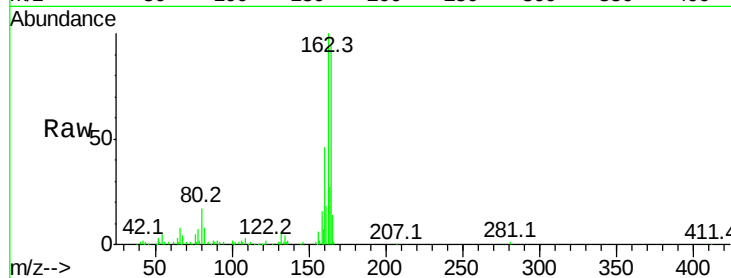




#56
 2,4-Dinitrotoluene
 Concen: 6.631 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035235.D
 Acq: 19 Jun 2018 2:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13787
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.9 66.9 100.3#
 182 0.0 2.6 3.8#

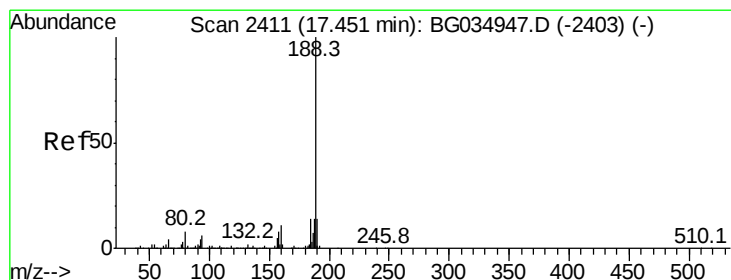
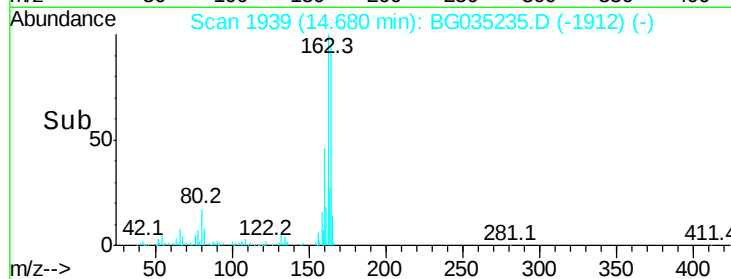
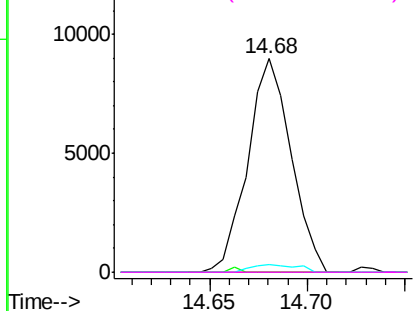


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

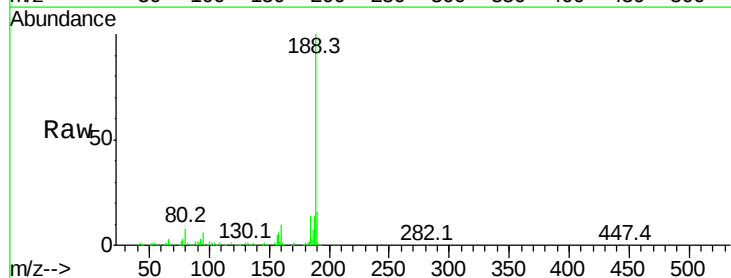
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG035235.D
 Acq: 19 Jun 2018 2:58

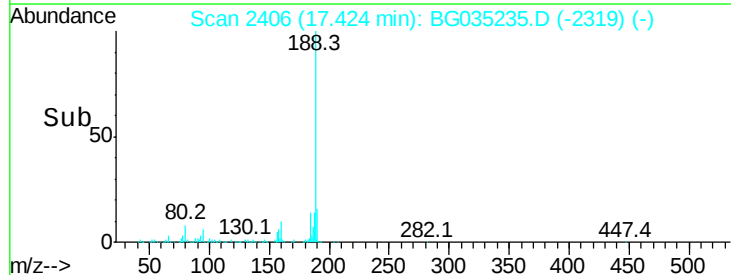
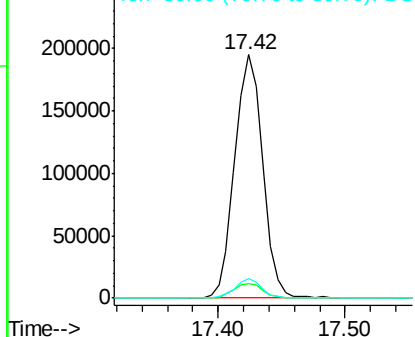
Tgt Ion:188 Resp: 297801
 Ion Ratio Lower Upper
 188 100
 94 6.2 6.9 10.3#
 80 7.8 7.7 11.5



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

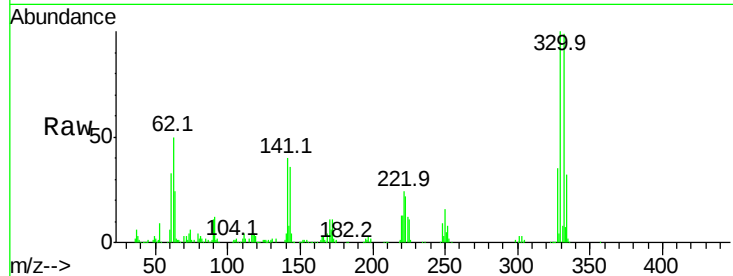




#66
4-Bromophenyl-phenylether
Concen: 6.682 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035235.D
Acq: 19 Jun 2018 2:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	185.0	77.1	115.7#
141	459.1	50.8	76.2#

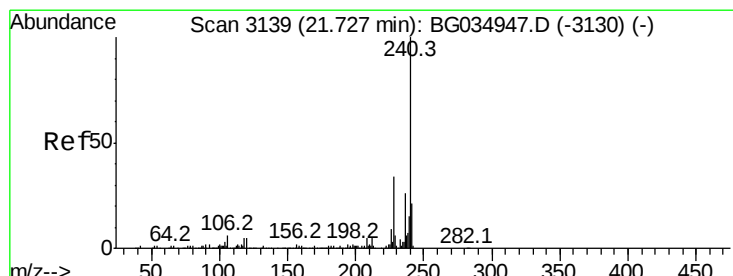
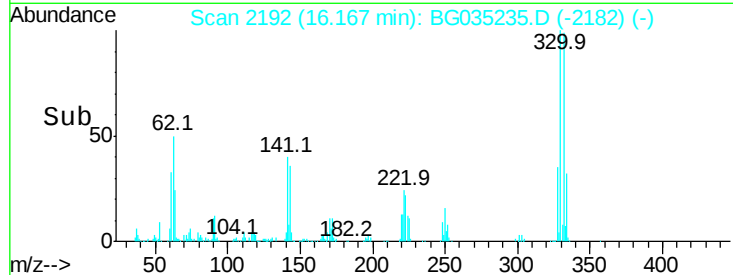
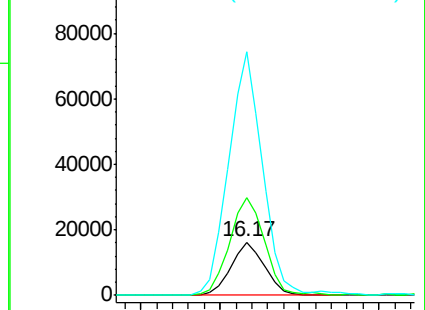


Abundance

Ion 248.00 (247.70 to 248.70): E

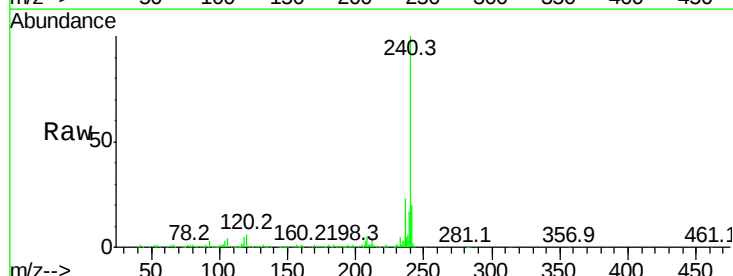
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035235.D
Acq: 19 Jun 2018 2:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.2	6.8	10.2#
236	23.5	20.9	31.3

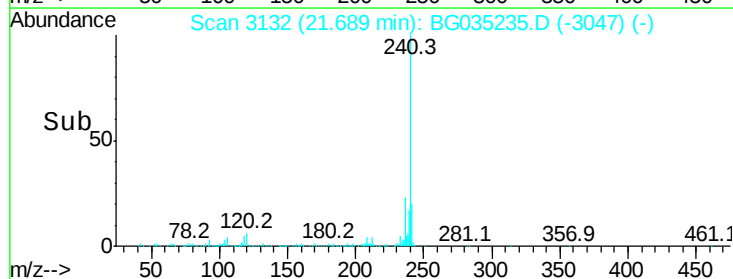
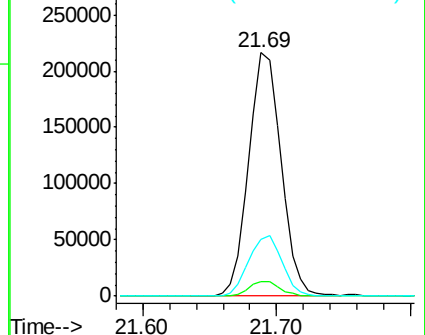


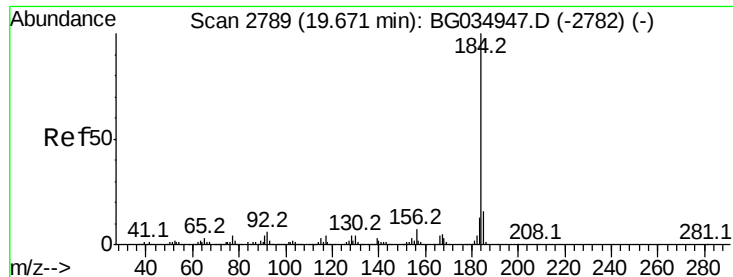
Abundance

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: 2.545 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.37 min

Lab File: BG035235.D

Acq: 19 Jun 2018 2:58

Instrument :

BNA_G

ClientSampleId :

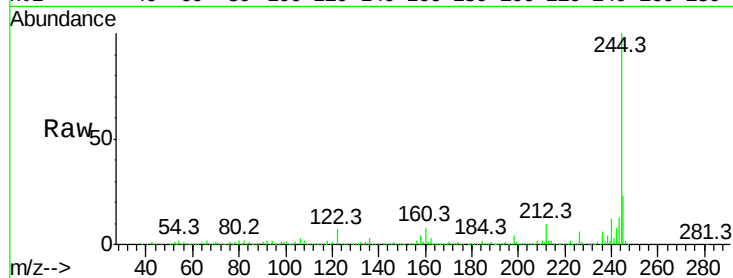
Tot Ion:184 Resp: 34358

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

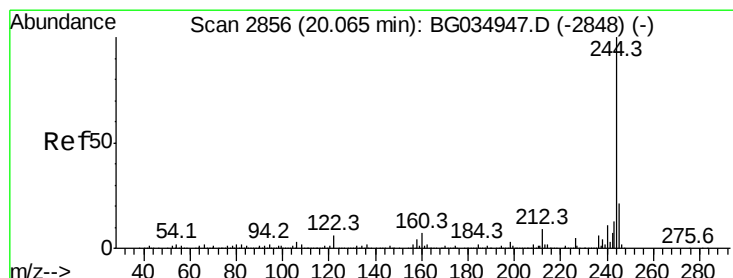
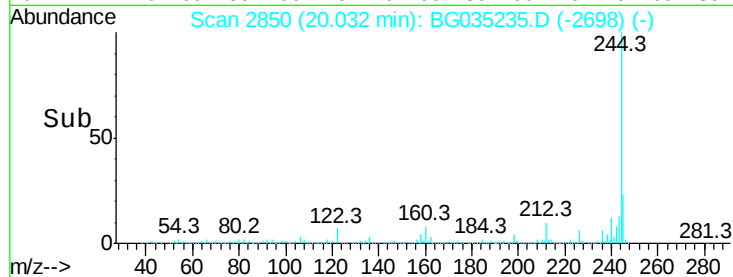
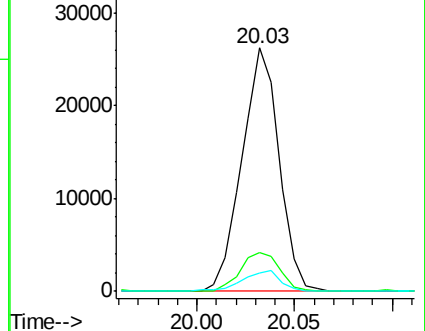
183 7.4 10.6 16.0#



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: 112.747 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035235.D

Acq: 19 Jun 2018 2:58

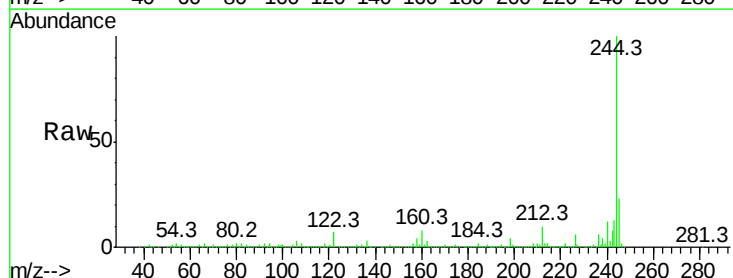
Tgt Ion:244 Resp: 1953352

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

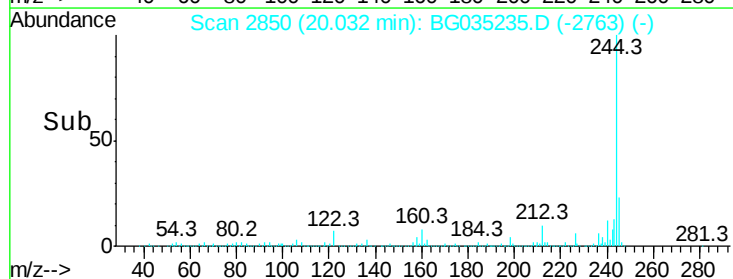
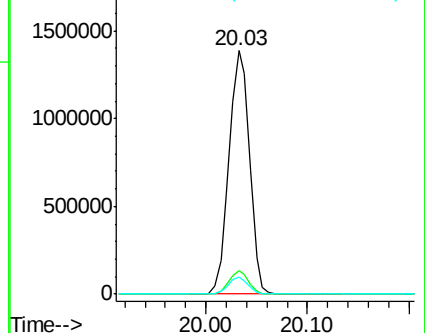
122 7.2 7.0 10.4

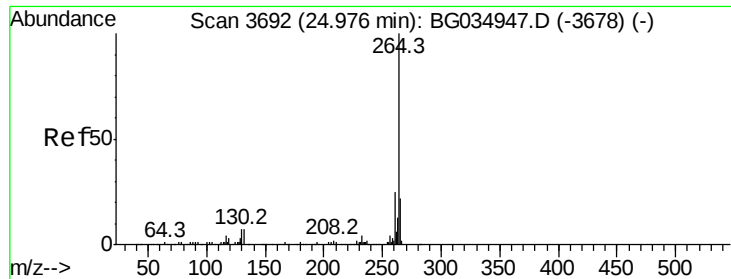


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.92 min Scan# 3682
Delta R.T. -0.03 min
Lab File: BG035235.D
Acq: 19 Jun 2018 2:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.7	17.4	26.0#
265	21.5	17.7	26.5

