

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035194.D
 Acq On : 16 Jun 2018 6:02
 Operator : SJ/JU
 Sample : PB110191TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 16 06:39:34 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

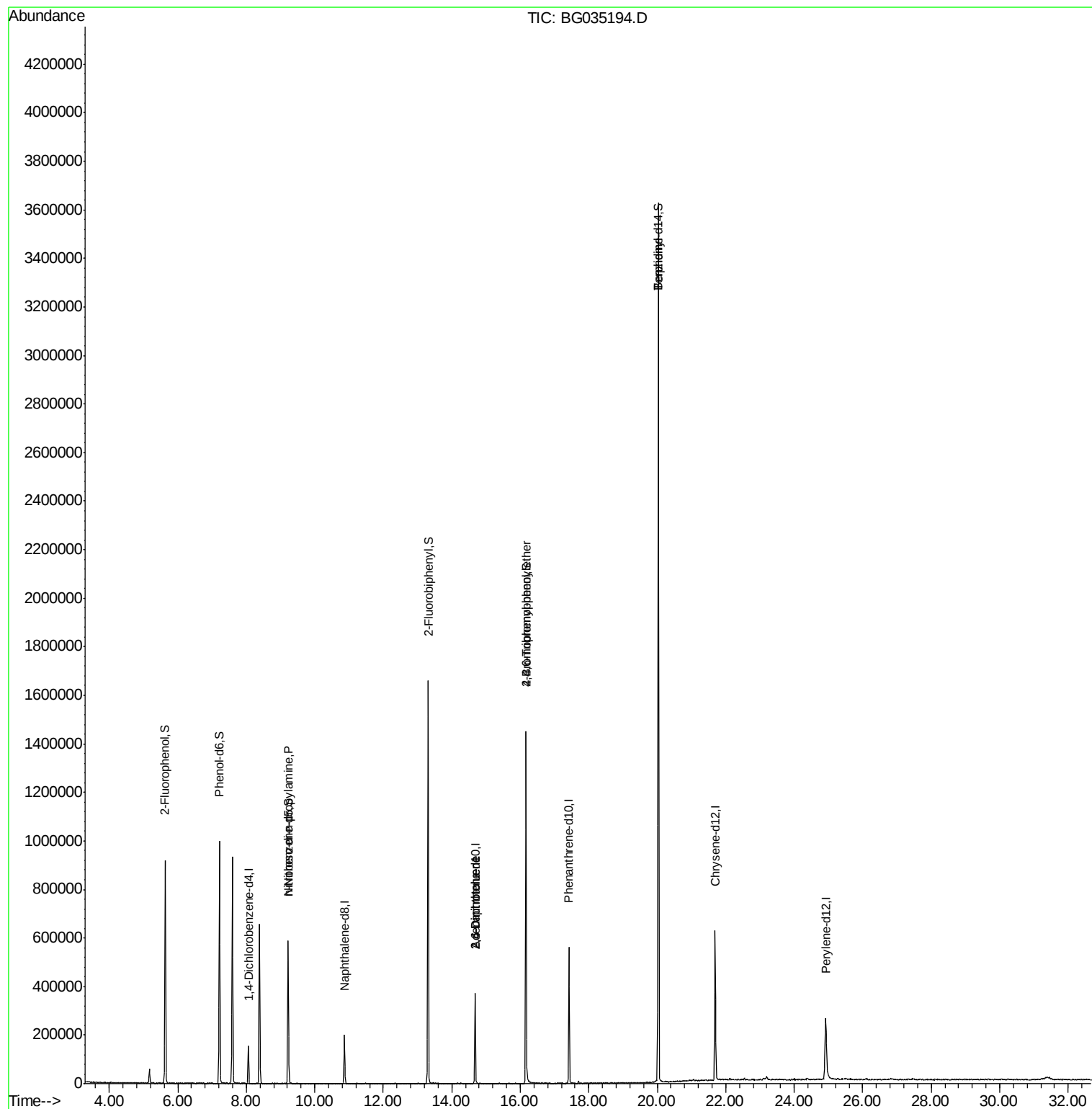
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44772	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	169421	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	129227	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	362992	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	408188	20.00	ng	-0.02
86) Perylene-d12	24.92	264	343132	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	398719	150.29	ng	-0.01
7) Phenol-d6	7.22	99	596356	152.30	ng	0.00
23) Nitrobenzene-d5	9.22	82	385829	108.25	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	280443	169.53	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	925874	93.14	ng	-0.02
78) Terphenyl-d14	20.04	244	1815804	93.18	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	50257	15.107	ng	# 66
50) 2,6-Dinitrotoluene	14.68	165	17362	8.445	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	17362	6.357	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	21986	5.030	ng	# 1
76) Benzidine	20.03	184	31327	2.063	ng	99

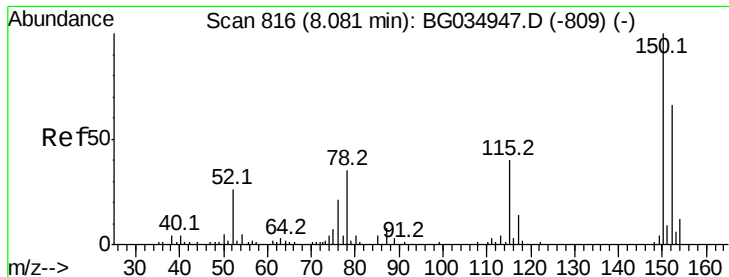
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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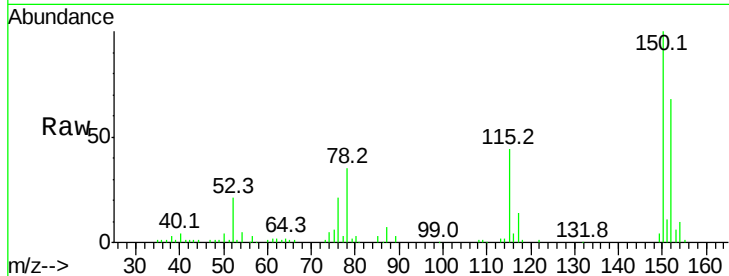


#1

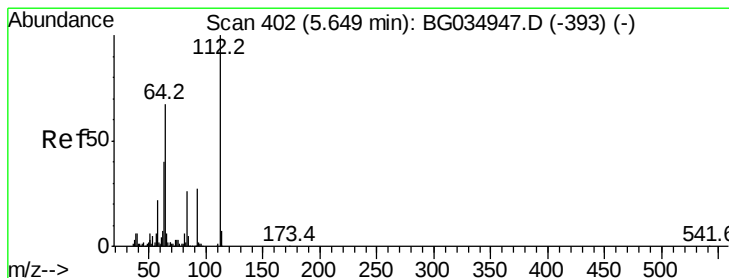
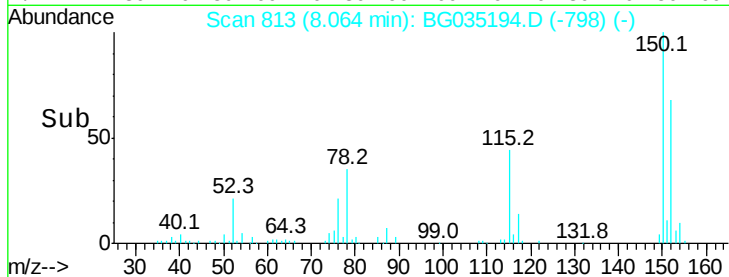
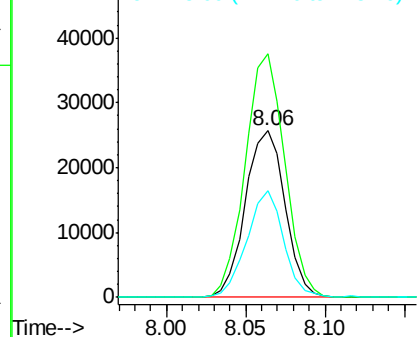
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035194.D
Acq: 16 Jun 2018 6:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 44772
Ion Ratio Lower Upper
152 100
150 146.1 126.6 189.8
115 64.1 53.0 79.4



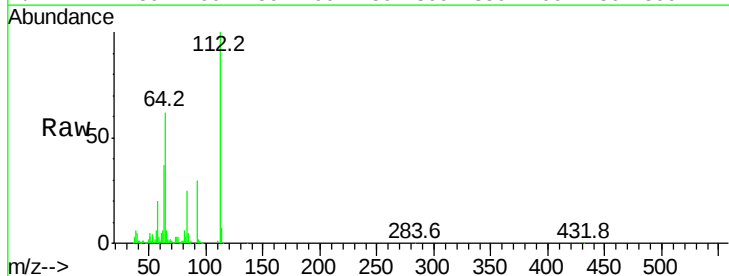
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



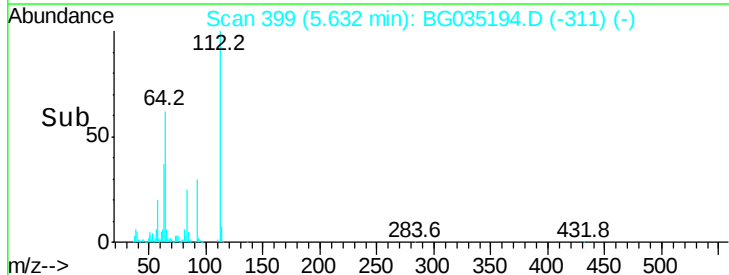
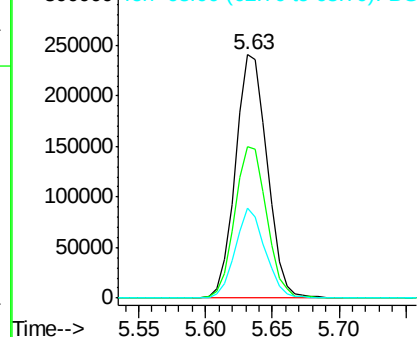
#5

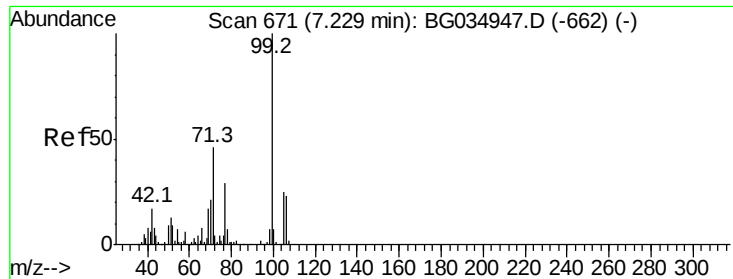
2-Fluorophenol
Concen: 150.291 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035194.D
Acq: 16 Jun 2018 6:02

Tgt Ion:112 Resp: 398719
Ion Ratio Lower Upper
112 100
64 62.4 56.3 84.5
63 37.0 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: 152.301 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035194.D

Acq: 16 Jun 2018 6:02

Instrument :

BNA_G

ClientSampleId :

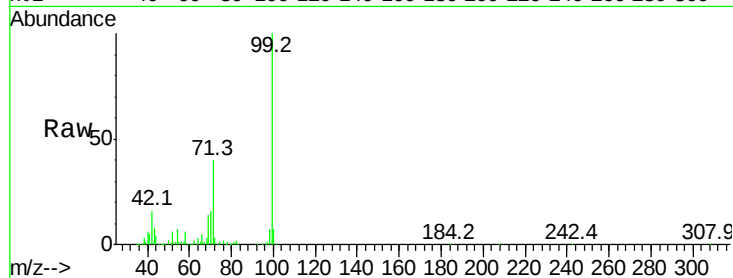
Tot Ion: 99 Resp: 596356

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

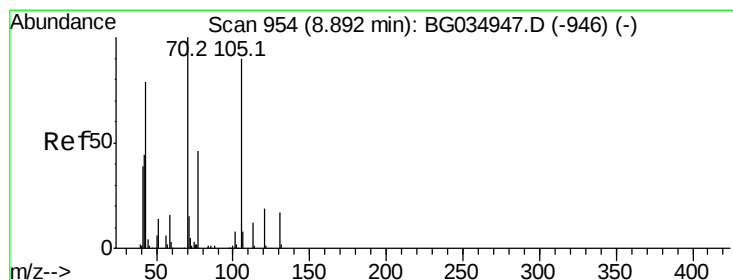
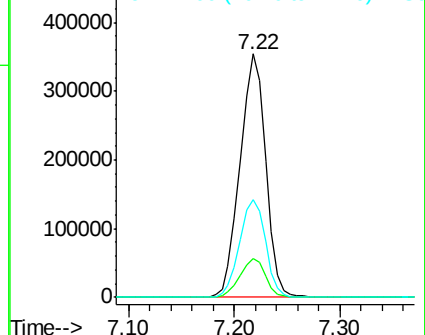
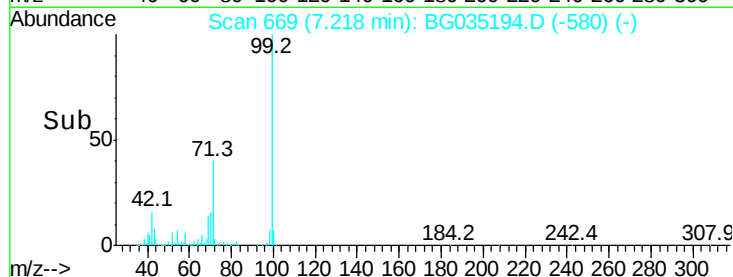
71 40.3 26.1 39.1#



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: 15.107 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035194.D

Acq: 16 Jun 2018 6:02

Tgt Ion: 70 Resp: 50257

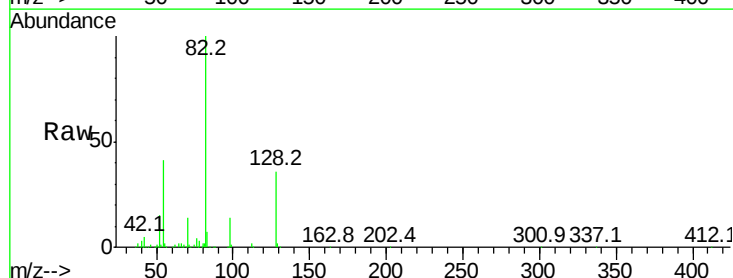
Ion Ratio Lower Upper

70 100

42 34.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

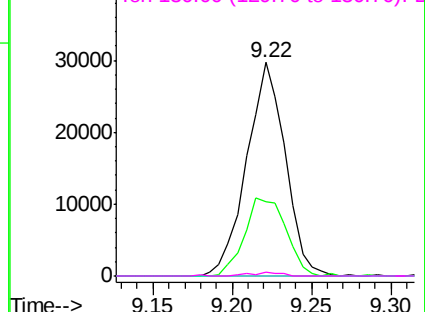
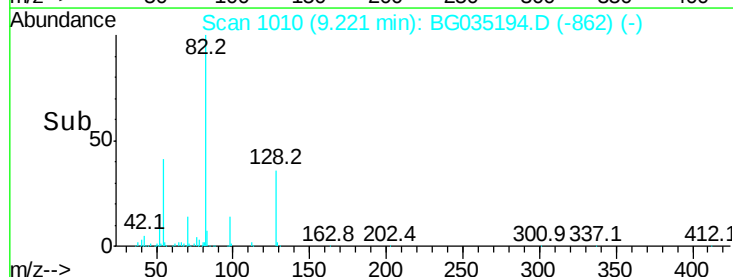


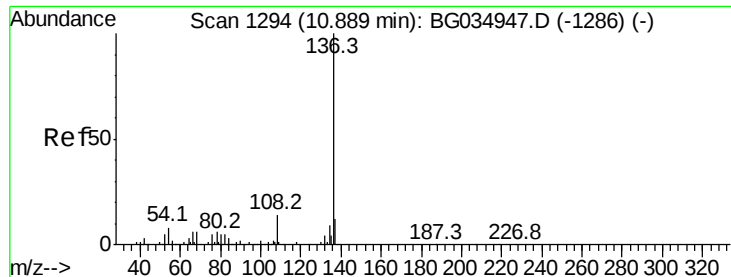
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

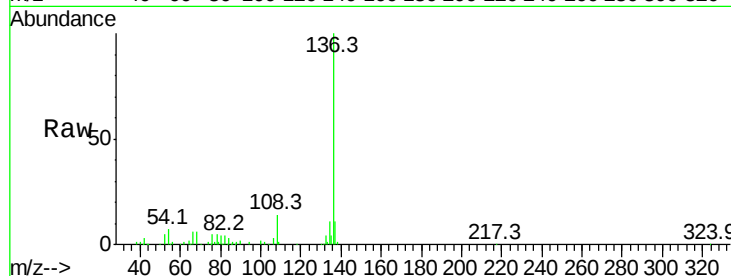




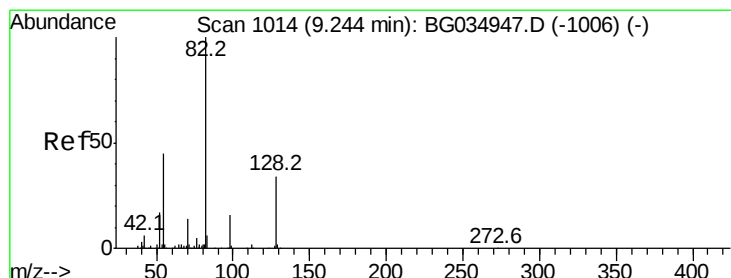
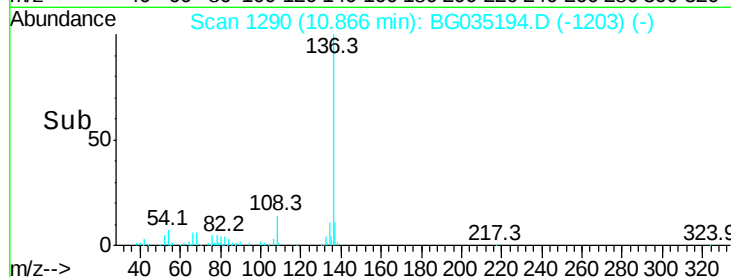
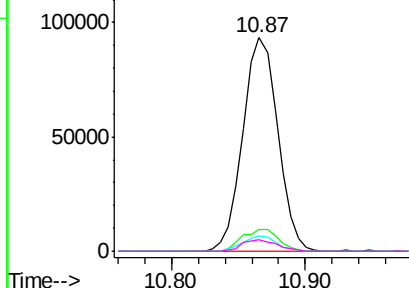
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035194.D
Acq: 16 Jun 2018 6:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	169421
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.0	10.3	15.5#
68	5.6	4.5	6.7

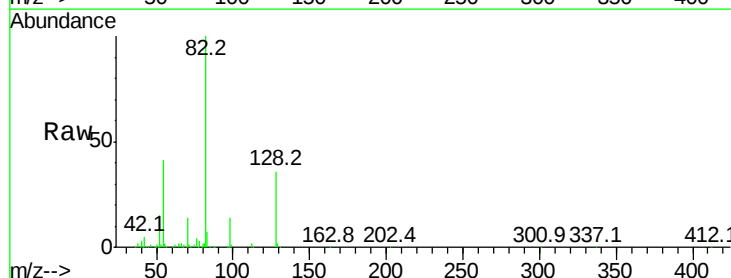


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

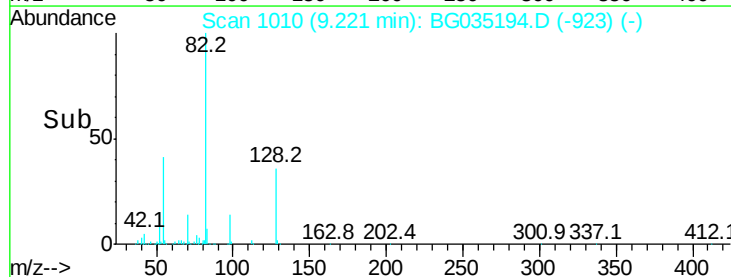
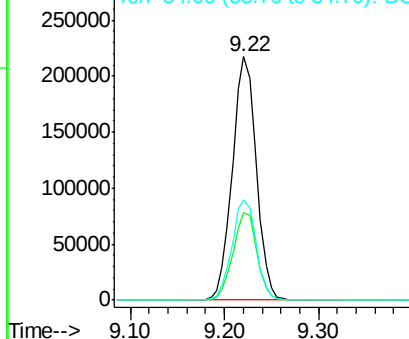


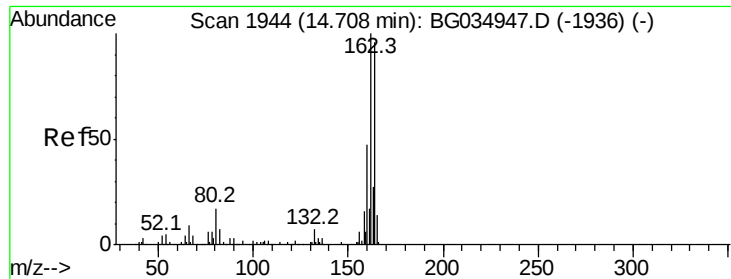
#23
Nitrobenzene-d5
Concen: 108.252 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035194.D
Acq: 16 Jun 2018 6:02

Tgt Ion:	82	Resp:	385829
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	41.4	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

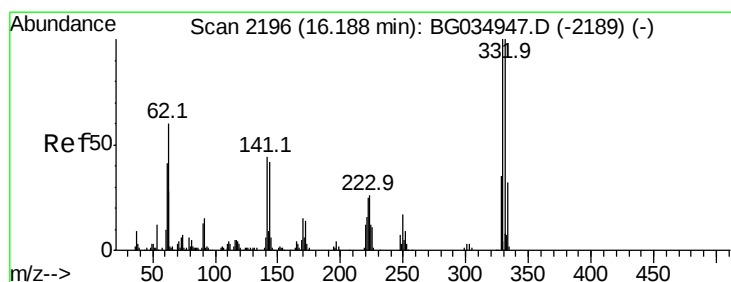
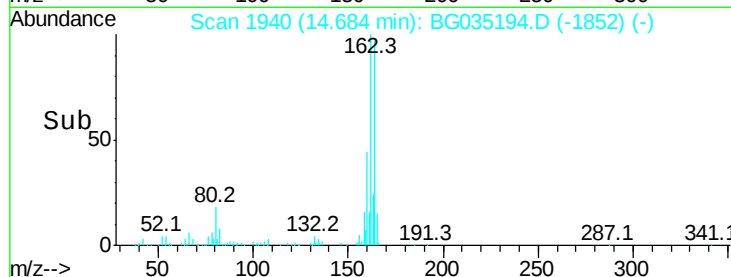
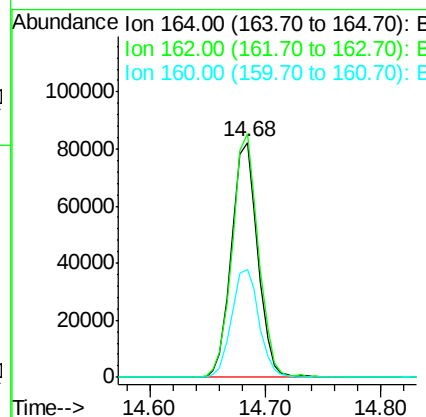
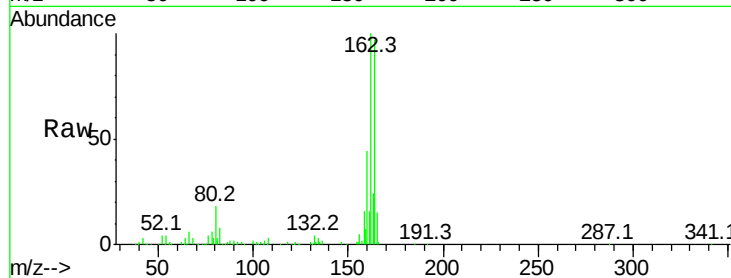




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG035194.D
Acq: 16 Jun 2018 6:02

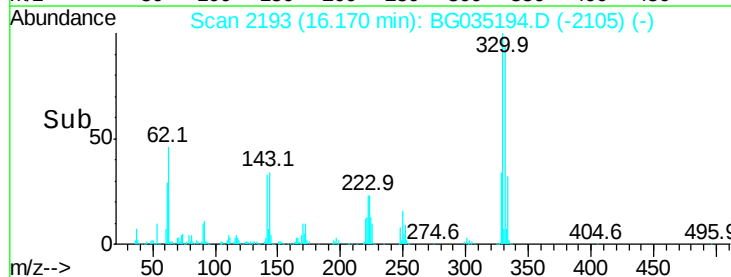
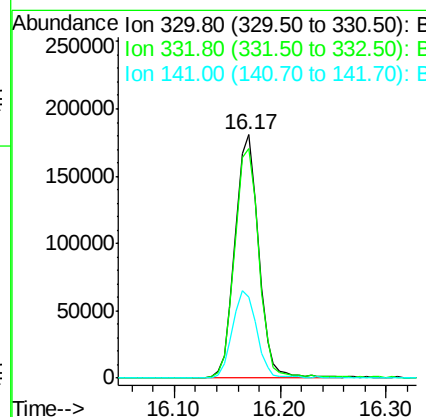
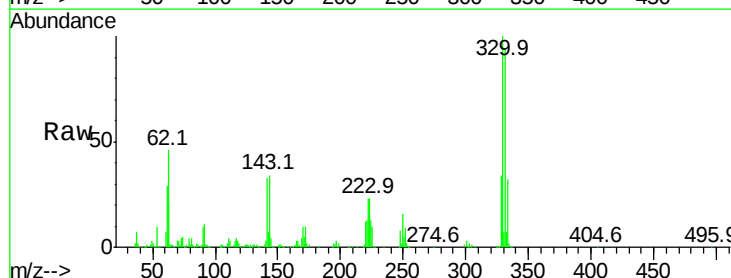
Instrument :
BNA_G
ClientSampleId :

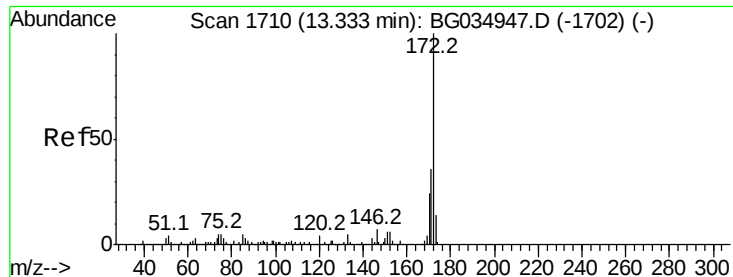
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	78.8	118.2
160	45.9	35.4	53.0



#41
2,4,6-Tribromophenol
Concen: 169.527 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG035194.D
Acq: 16 Jun 2018 6:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	36.8	25.2	37.8

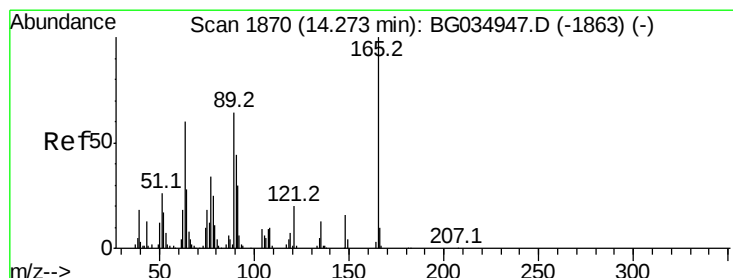
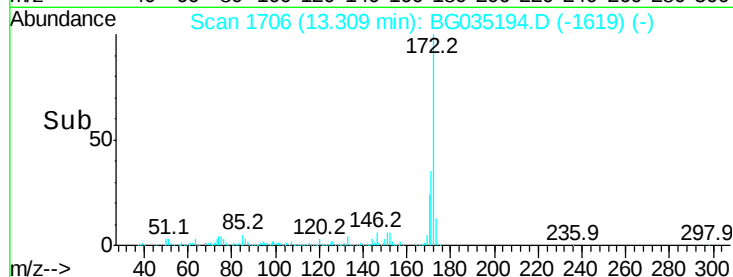
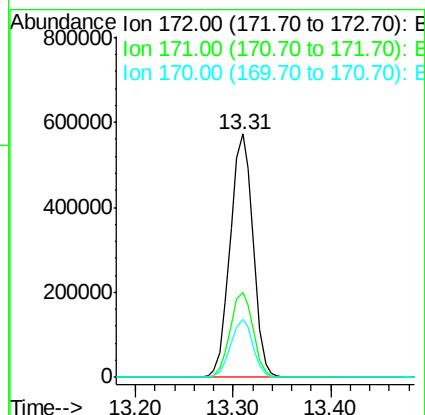
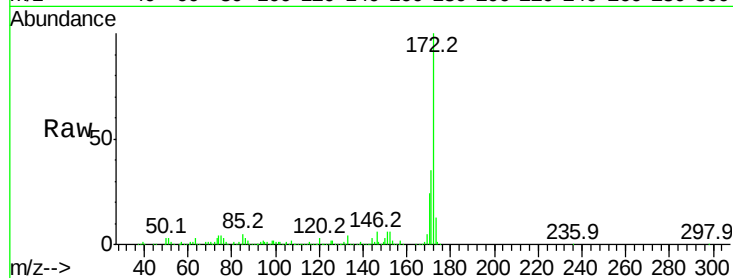




#44
 2-Fluorobiphenyl
 Concen: 93.141 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG035194.D
 Acq: 16 Jun 2018 6:02

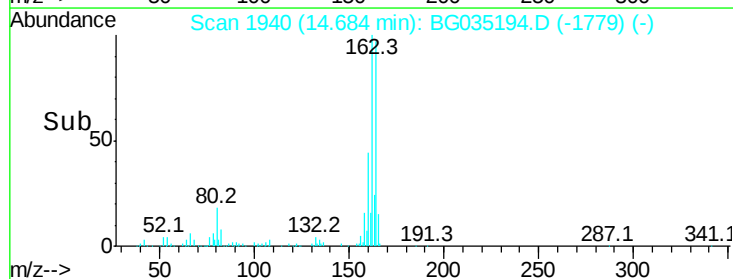
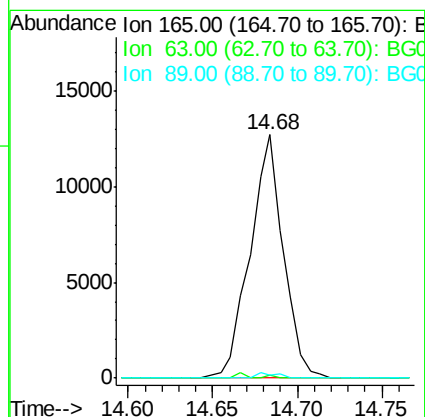
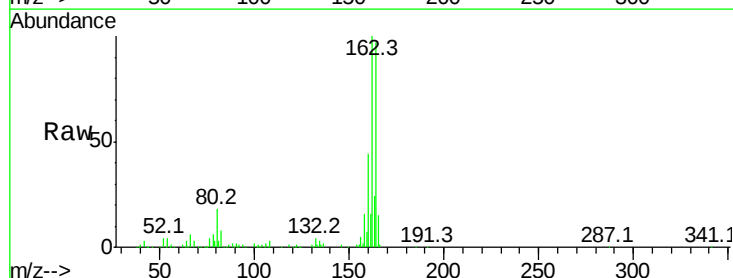
Instrument :
 BNA_G
 ClientSampleId :

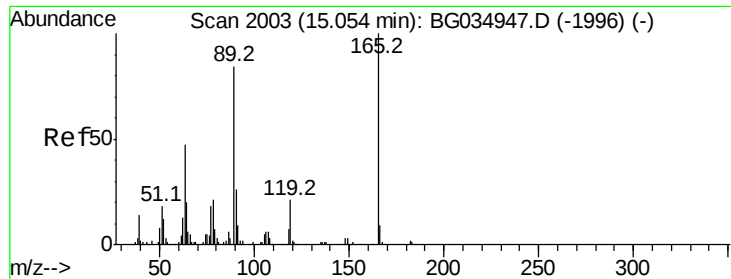
Tot Ion:172 Resp: 925874
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.0 45.0
 170 23.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.445 ng
 RT: 14.68 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG035194.D
 Acq: 16 Jun 2018 6:02

Tgt Ion:165 Resp: 17362
 Ion Ratio Lower Upper
 165 100
 63 1.3 52.7 79.1#
 89 1.3 49.2 73.8#

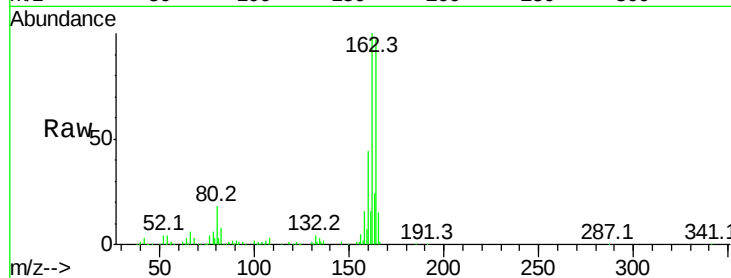




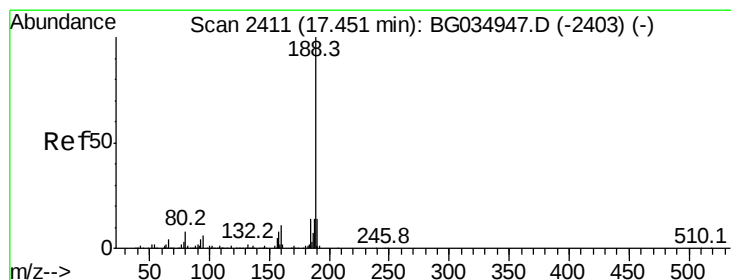
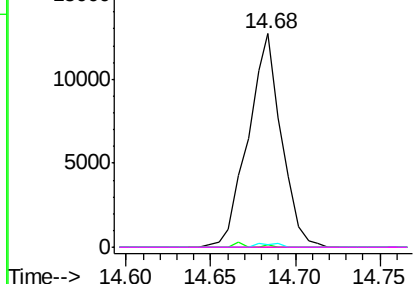
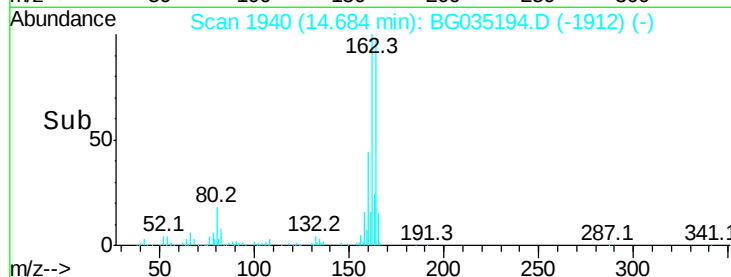
#56
 2,4-Dinitrotoluene
 Concen: 6.357 ng
 RT: 14.68 min Scan# 1940
 Delta R.T. -0.37 min
 Lab File: BG035194.D
 Acq: 16 Jun 2018 6:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17362
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.0 63.0#
 89 1.3 66.9 100.3#
 182 0.0 2.6 3.8#

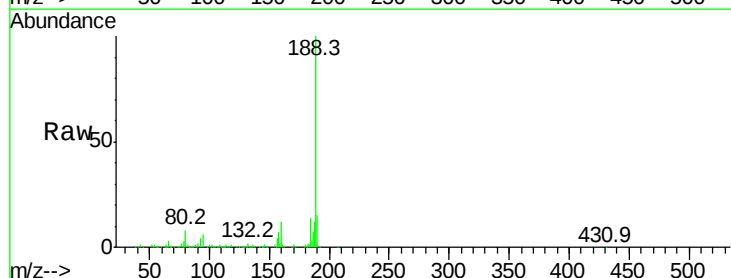


Abundance Ion 165.00 (164.70 to 165.70): E
 20000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

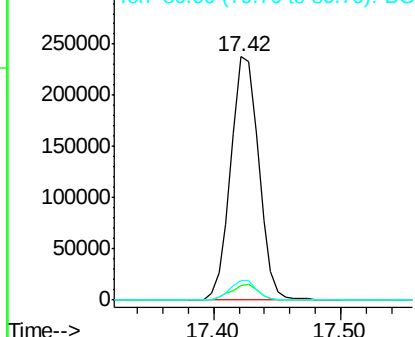
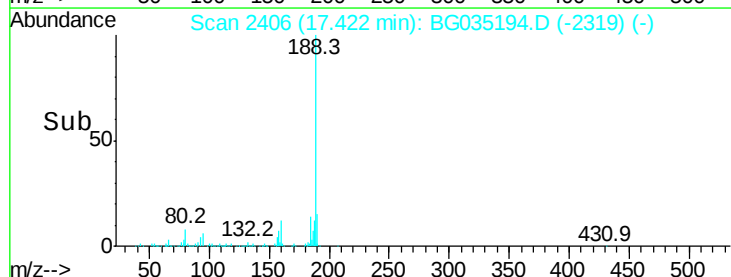


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG035194.D
 Acq: 16 Jun 2018 6:02

Tgt Ion:188 Resp: 362992
 Ion Ratio Lower Upper
 188 100
 94 5.9 6.9 10.3#
 80 7.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 300000
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

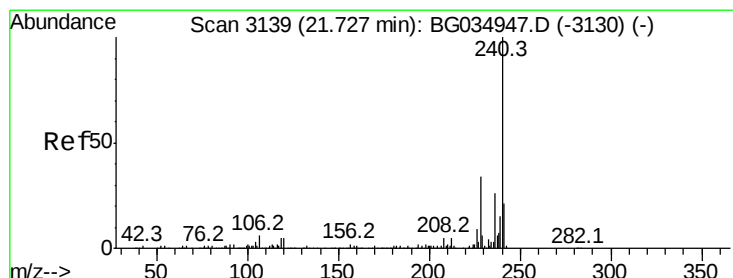
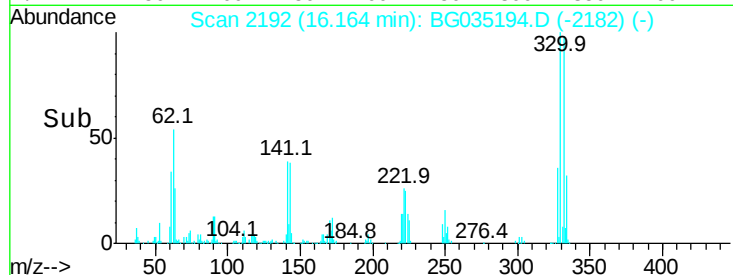
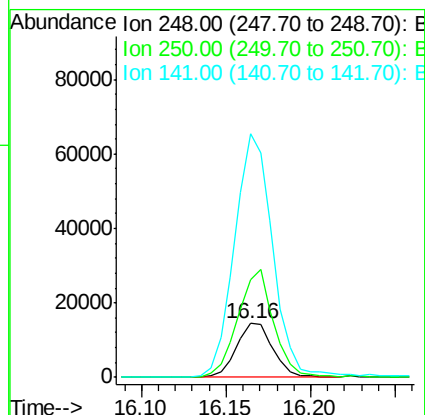
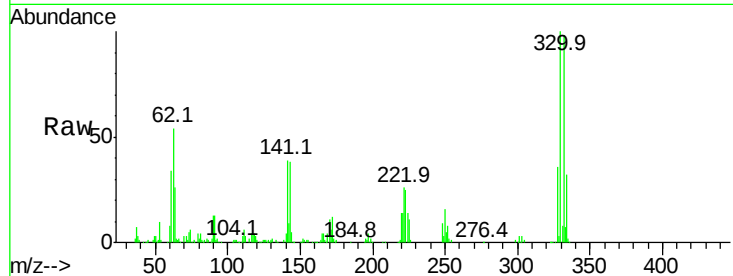




#66
4-Bromophenyl-phenylether
Concen: 5.030 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035194.D
Acq: 16 Jun 2018 6:02

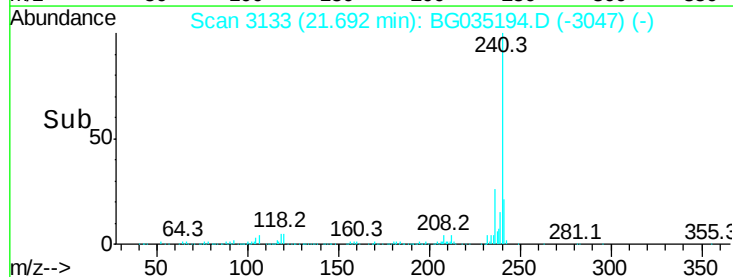
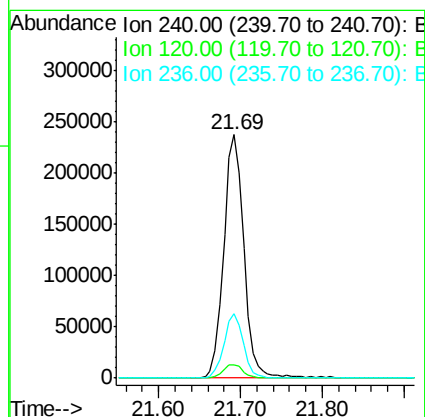
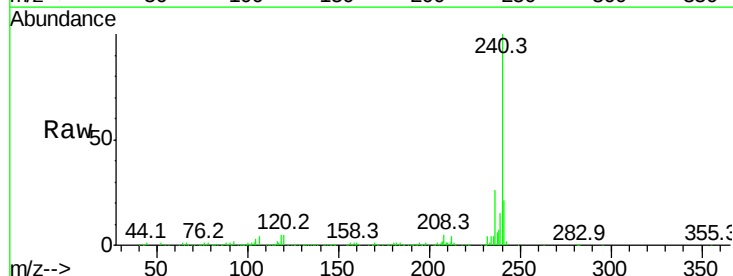
Instrument :
BNA_G
ClientSampleId :

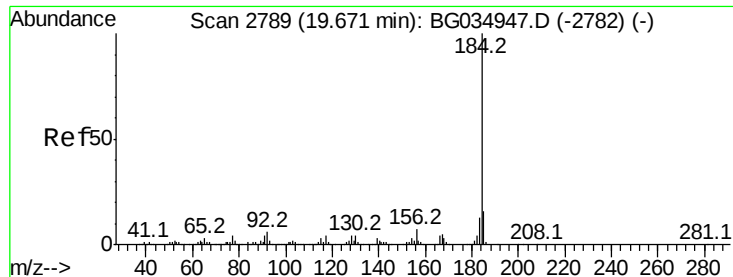
Tot Ion:248 Resp: 21986
Ion Ratio Lower Upper
248 100
250 182.0 77.1 115.7#
141 452.5 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3133
Delta R.T. -0.02 min
Lab File: BG035194.D
Acq: 16 Jun 2018 6:02

Tgt Ion:240 Resp: 408188
Ion Ratio Lower Upper
240 100
120 5.3 6.8 10.2#
236 26.2 20.9 31.3





#76

Benzidine

Concen: 2.063 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.36 min

Lab File: BG035194.D

Acq: 16 Jun 2018 6:02

Instrument :

BNA_G

ClientSampleId :

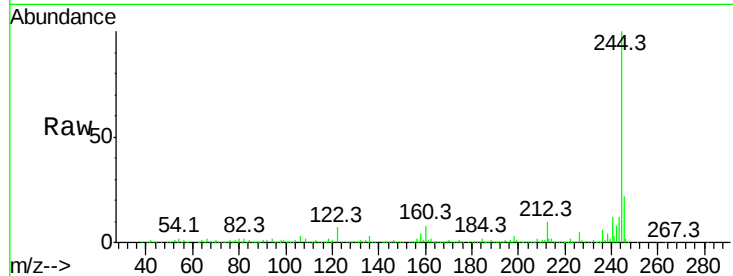
Tot Ion:184 Resp: 31327

Ion Ratio Lower Upper

184 100

185 14.4 11.1 16.7

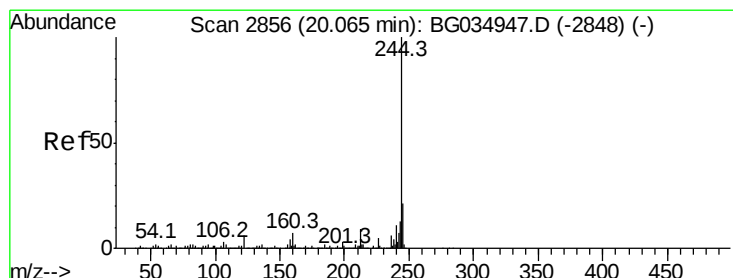
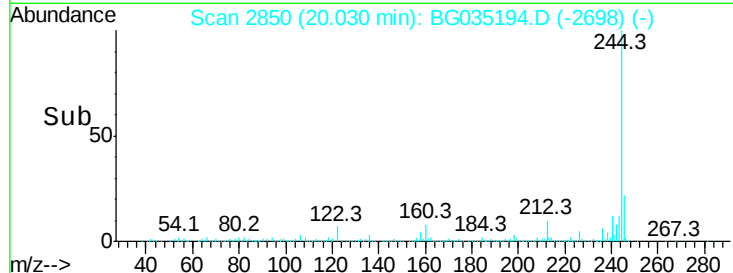
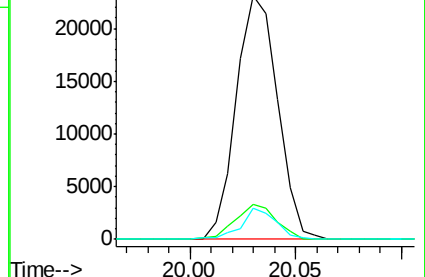
183 12.7 10.6 16.0



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: 93.181 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035194.D

Acq: 16 Jun 2018 6:02

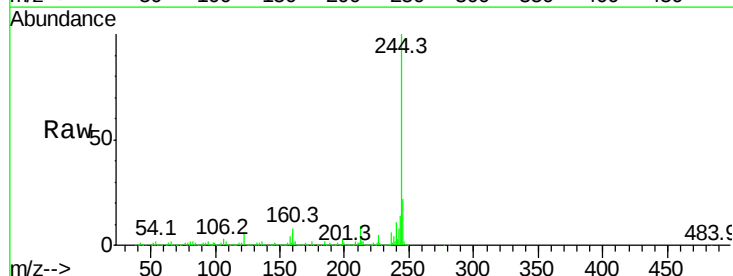
Tgt Ion:244 Resp: 1815804

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

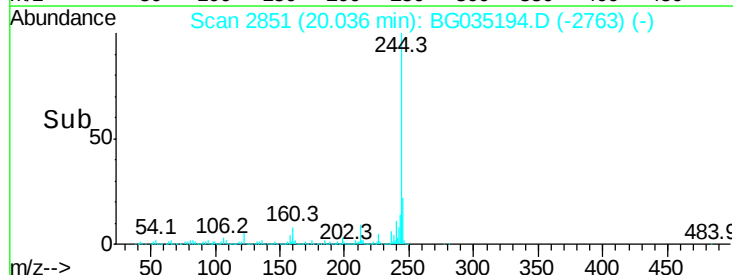
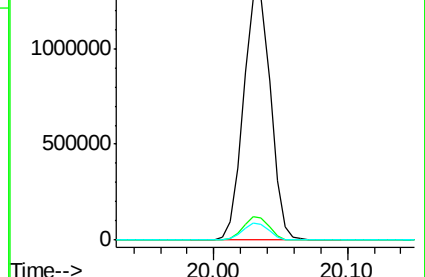
122 6.3 7.0 10.4#

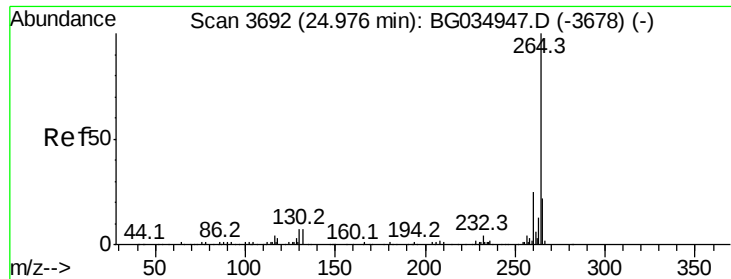


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

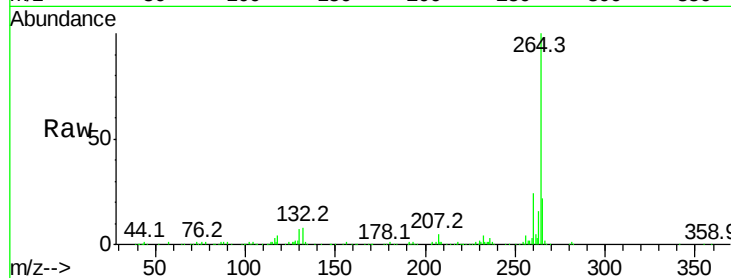




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3683
 Delta R.T. -0.03 min
 Lab File: BG035194.D
 Acq: 16 Jun 2018 6:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	21.8	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

