

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100618\
 Data File : BG037198.D
 Acq On : 5 Oct 2018 21:00
 Operator : JU/SJ
 Sample : J5179-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T1-GRAVEL

Quant Time: Oct 06 04:54:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

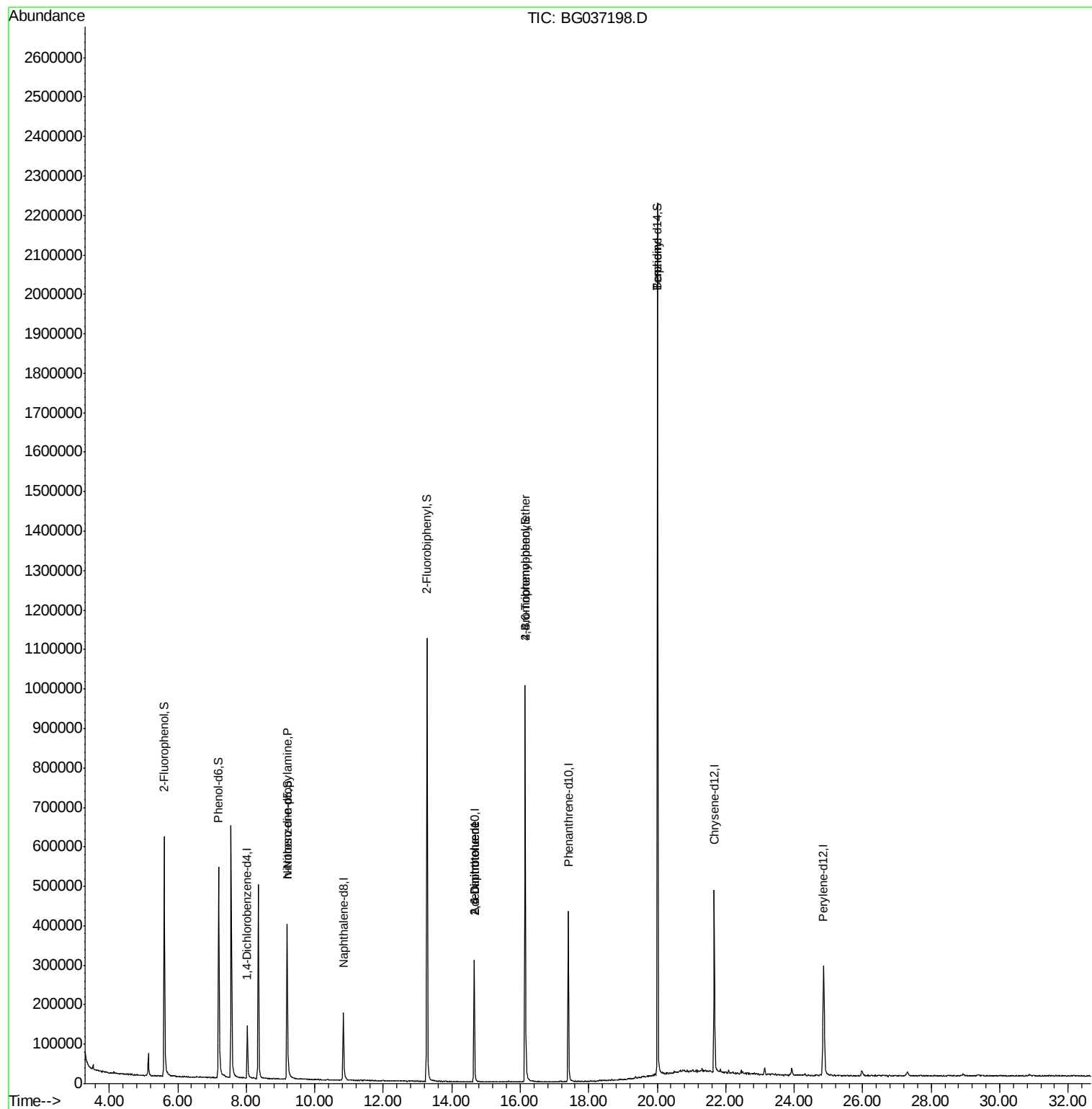
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	43508	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	172814	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	115779	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	298819	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	303155	20.00	ng	-0.02
86) Perylene-d12	24.85	264	308383	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	286377	126.23	ng	-0.02
7) Phenol-d6	7.20	99	360381	102.67	ng	-0.02
23) Nitrobenzene-d5	9.19	82	295531	91.58	ng	-0.02
41) 2,4,6-Tribromophenol	16.14	330	185994	134.27	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	621740	79.98	ng	-0.02
78) Terphenyl-d14	20.01	244	1078857	93.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	38926	13.331	ng	# 75
50) 2,6-Dinitrotoluene	14.65	165	14596	7.178	ng	# 23
56) 2,4-Dinitrotoluene	14.65	165	14596	5.144	ng	# 21
66) 4-Bromophenyl-phenylether	16.14	248	12815	3.770	ng	# 1
76) Benzidine	20.01	184	19529	2.131	ng	# 87

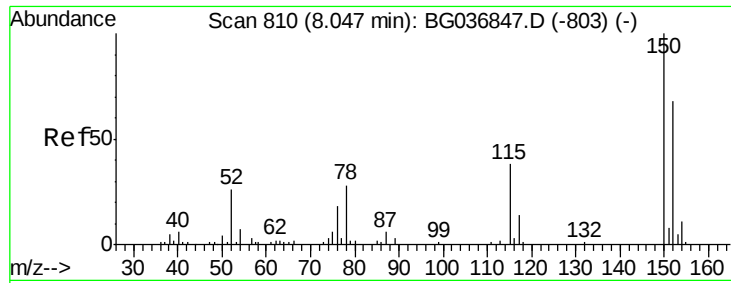
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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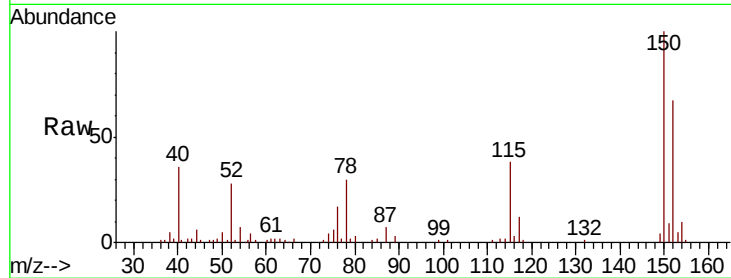


#1

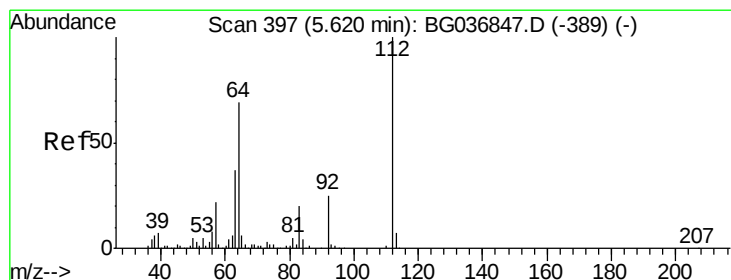
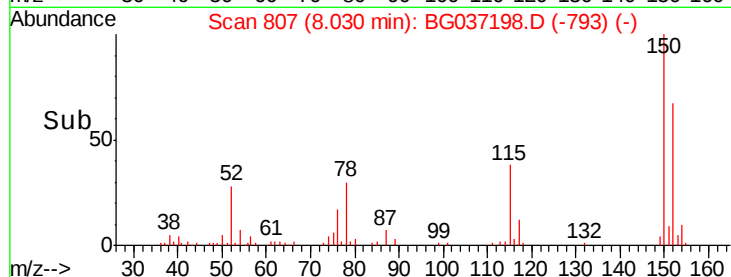
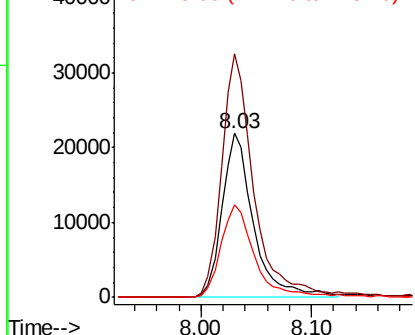
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.02 min
Lab File: BG037198.D
Acq: 5 Oct 2018 21:00

Instrument :
BNA_G
ClientSampleId :
T1-GRAVEL

Tgt Ion:152 Resp: 43508
Ion Ratio Lower Upper
152 100
150 148.4 119.5 179.3
115 56.6 44.5 66.7



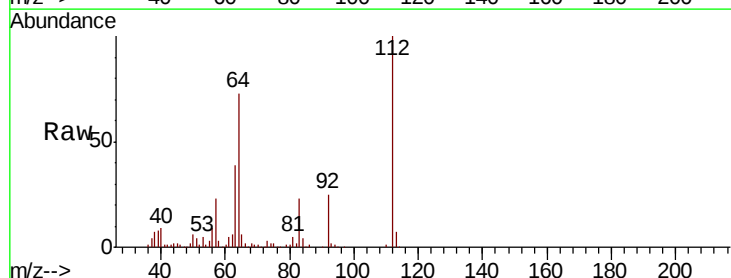
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



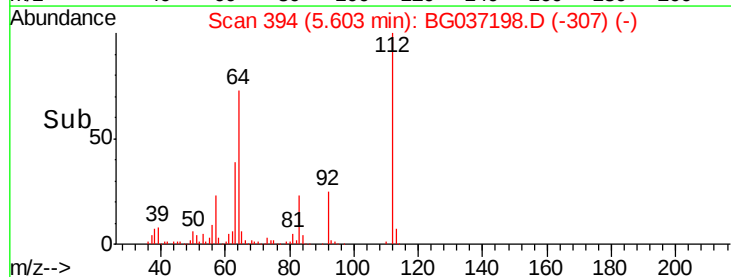
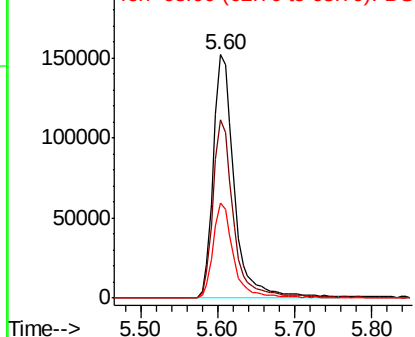
#5

2-Fluorophenol
Concen: 126.232 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.02 min
Lab File: BG037198.D
Acq: 5 Oct 2018 21:00

Tgt Ion:112 Resp: 286377
Ion Ratio Lower Upper
112 100
64 73.3 57.2 85.8
63 39.1 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 102.672 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037198.D

Acq: 5 Oct 2018 21:00

Instrument :

BNA_G

ClientSampleId :

T1-GRAVEL

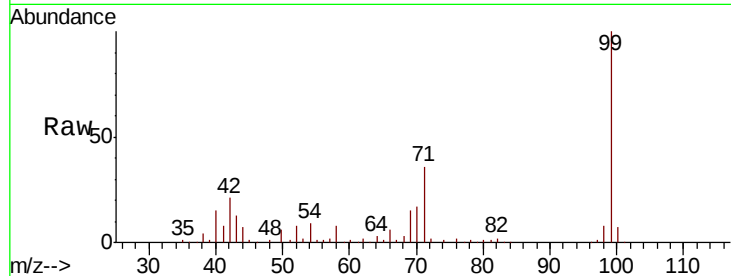
Tgt Ion: 99 Resp: 360381

Ion Ratio Lower Upper

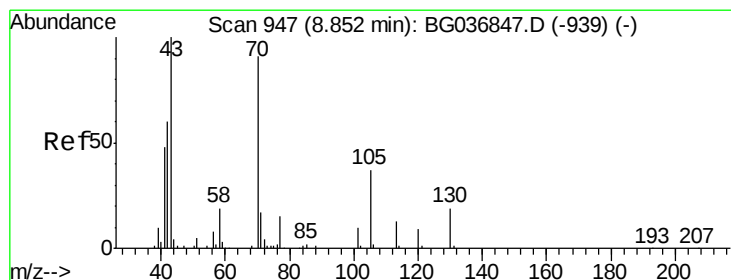
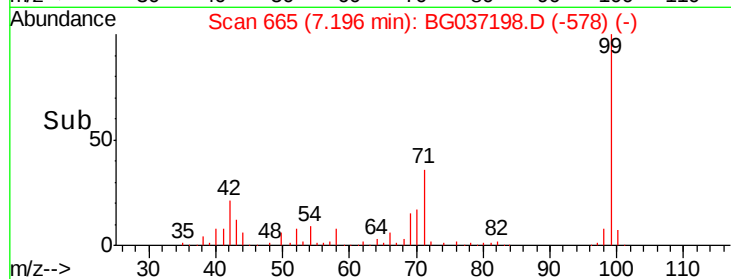
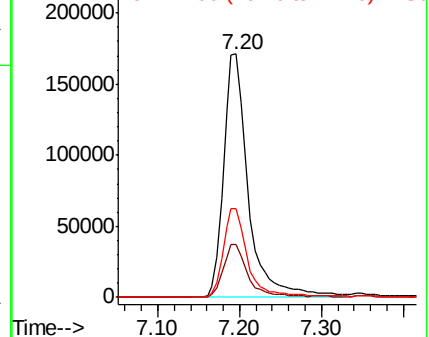
99 100

42 21.5 16.5 24.7

71 36.2 29.4 44.2



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: 13.331 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037198.D

Acq: 5 Oct 2018 21:00

Tgt Ion: 70 Resp: 38926

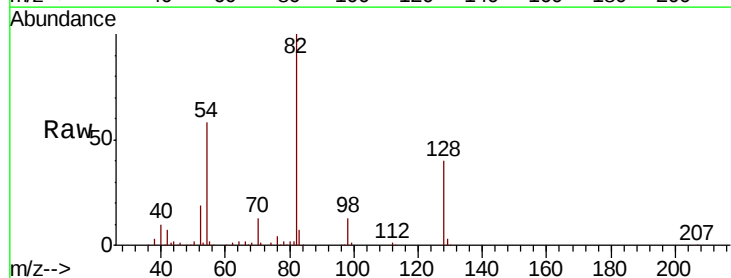
Ion Ratio Lower Upper

70 100

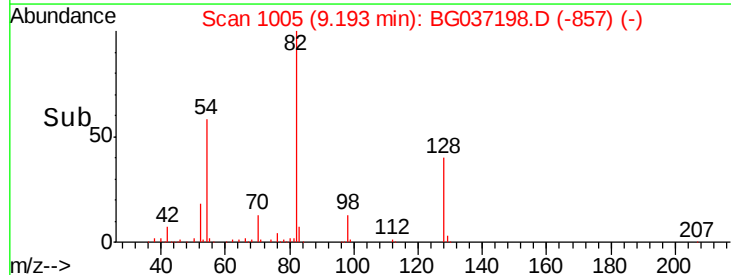
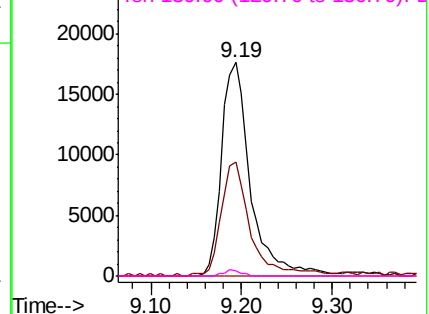
42 53.1 56.2 84.4#

101 0.0 7.8 11.6#

130 2.6 16.2 24.2#



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

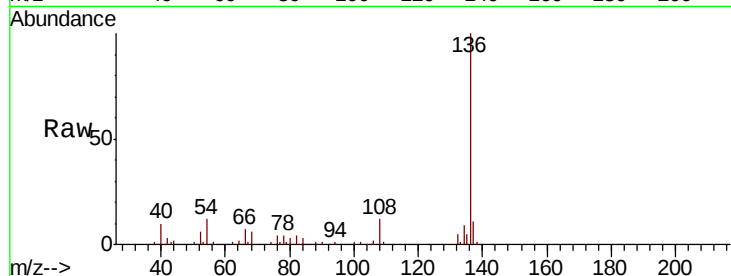




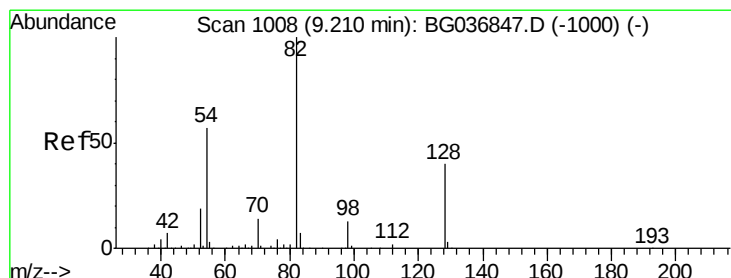
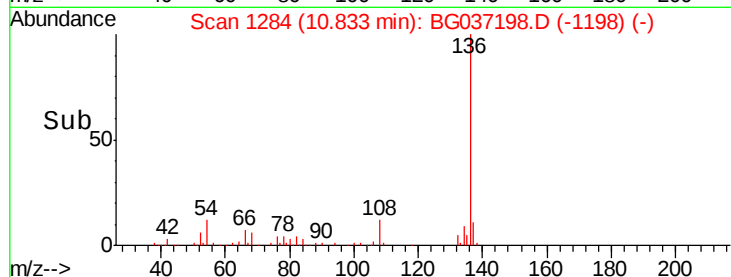
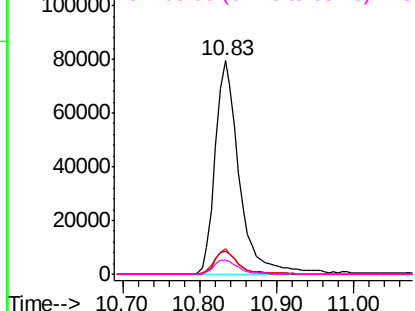
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BG037198.D
Acq: 5 Oct 2018 21:00

Instrument :
BNA_G
ClientSampleId :
T1-GRAVEL

Tgt Ion:	136	Resp:	172814
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	11.7	9.2	13.8
68	6.4	5.8	8.6

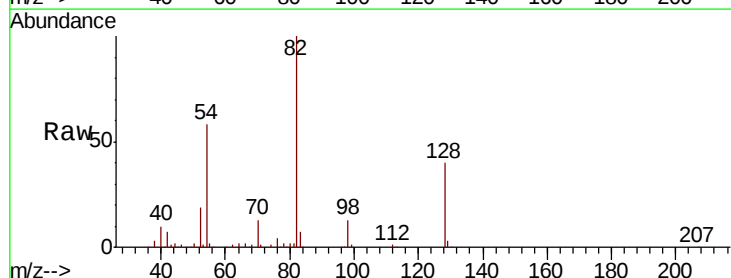


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

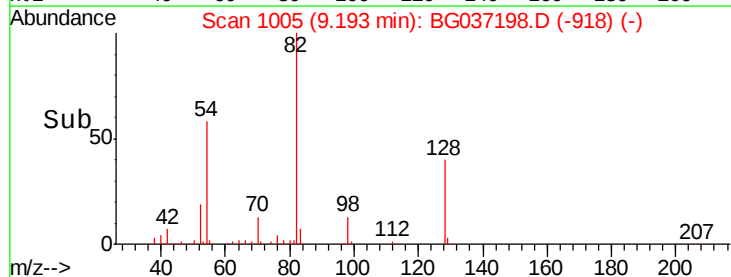
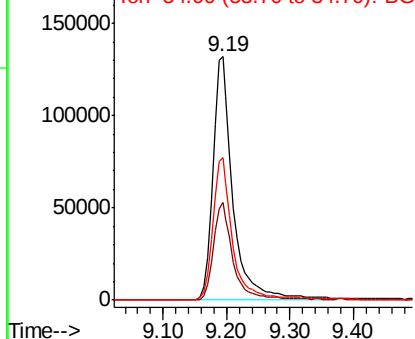


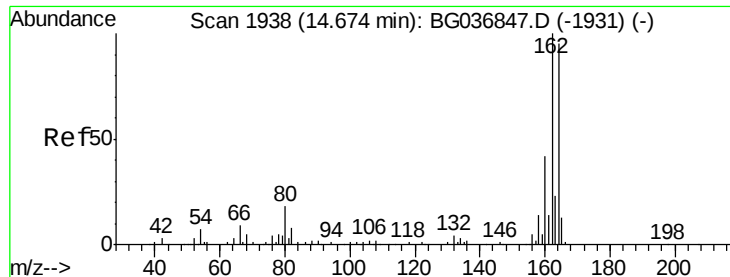
#23
Nitrobenzene-d5
Concen: 91.578 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037198.D
Acq: 5 Oct 2018 21:00

Tgt Ion:	82	Resp:	295531
Ion	Ratio	Lower	Upper
82	100		
128	40.2	33.3	49.9
54	58.4	45.1	67.7



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: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037198.D

Acq: 5 Oct 2018 21:00

Instrument :

BNA_G

ClientSampleId :

T1-GRAVEL

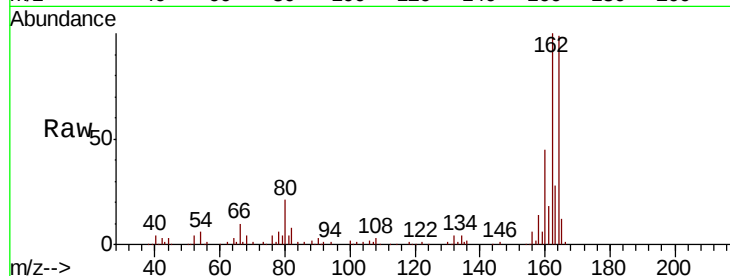
Tgt Ion:164 Resp: 115779

Ion Ratio Lower Upper

164 100

162 100.6 80.7 121.1

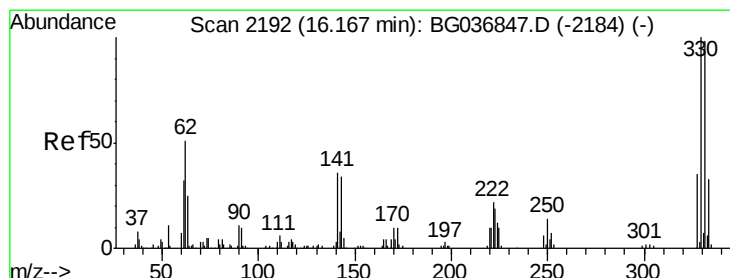
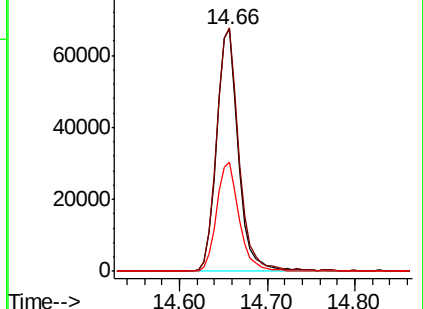
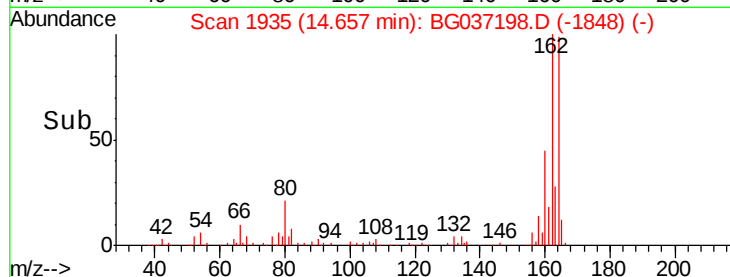
160 45.4 35.3 52.9



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: 134.270 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037198.D

Acq: 5 Oct 2018 21:00

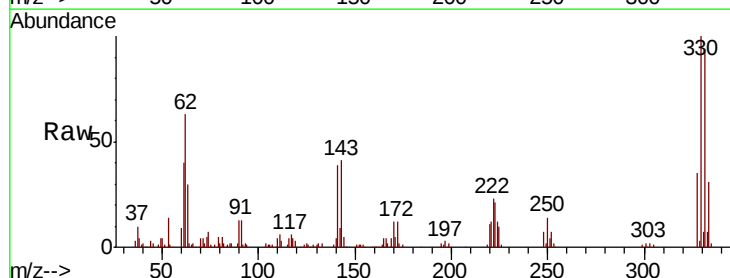
Tgt Ion:330 Resp: 185994

Ion Ratio Lower Upper

330 100

332 95.8 75.4 113.2

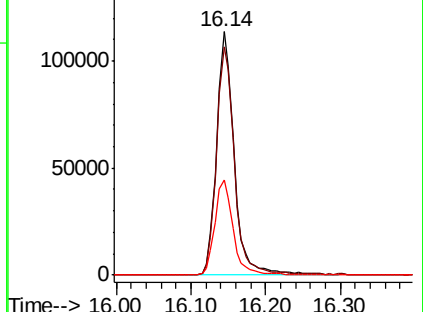
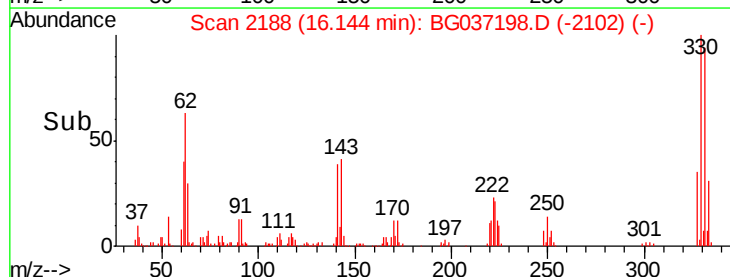
141 40.6 30.7 46.1

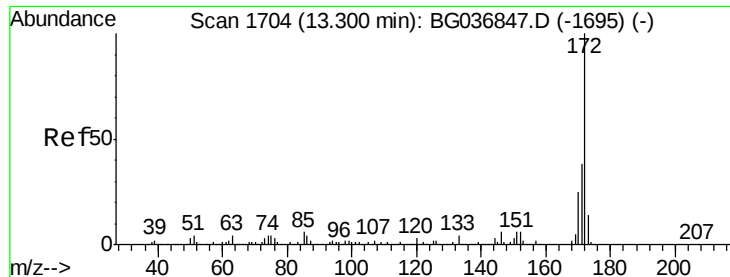


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

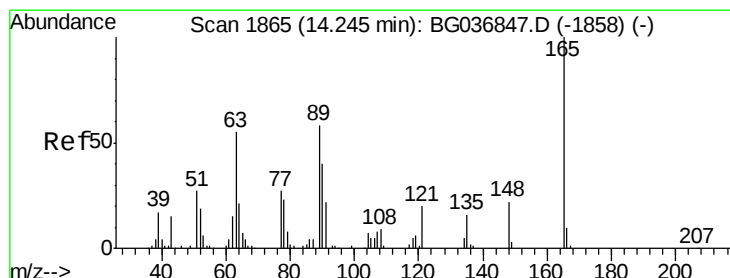
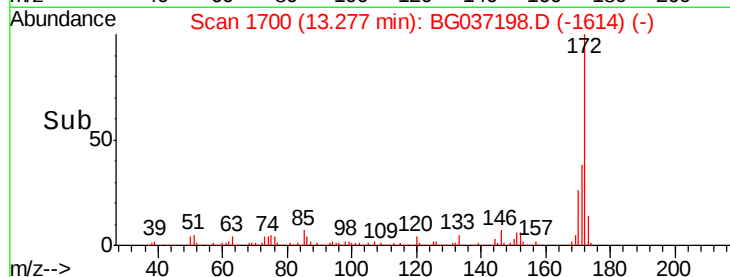
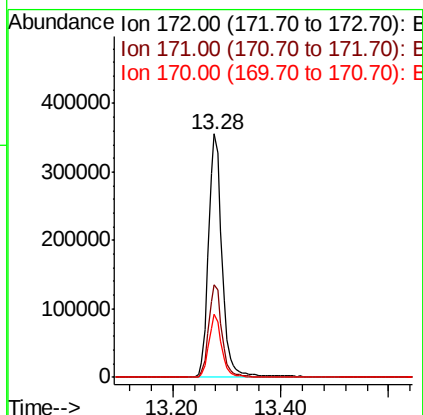
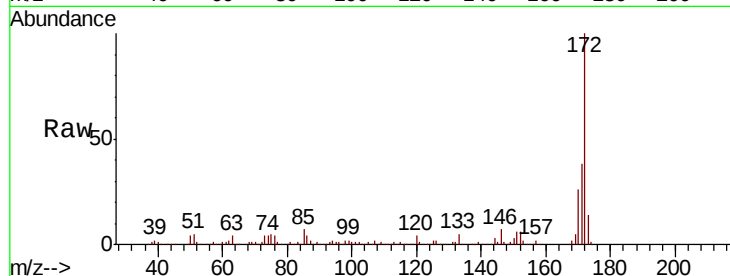




#44
 2-Fluorobiphenyl
 Concen: 79.981 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.02 min
 Lab File: BG037198.D
 Acq: 5 Oct 2018 21:00

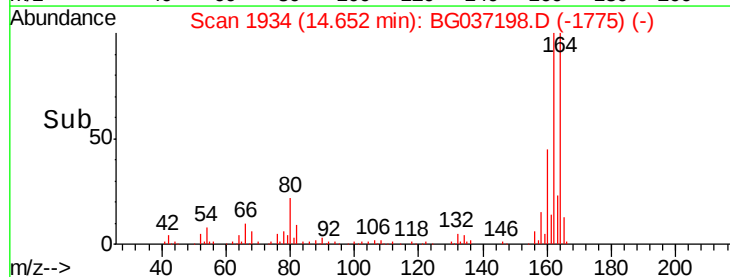
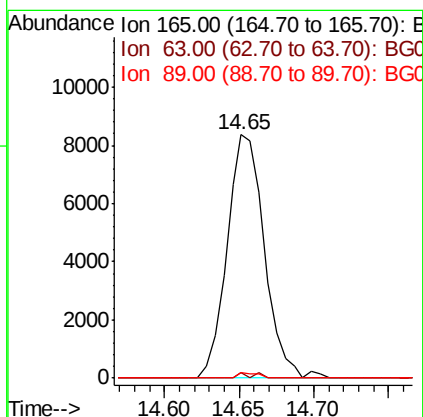
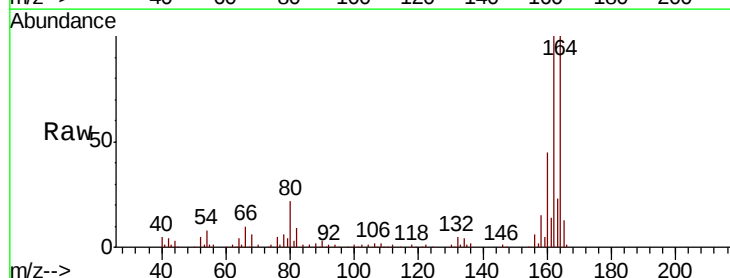
Instrument :
 BNA_G
 ClientSampleId :
 T1-GRAVEL

Tgt Ion:172 Resp: 621740
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.3 46.9
 170 25.8 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.178 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.41 min
 Lab File: BG037198.D
 Acq: 5 Oct 2018 21:00

Tgt Ion:165 Resp: 14596
 Ion Ratio Lower Upper
 165 100
 63 2.4 50.1 75.1#
 89 2.3 47.8 71.6#

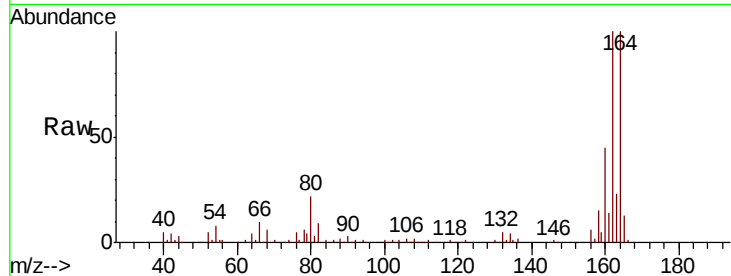




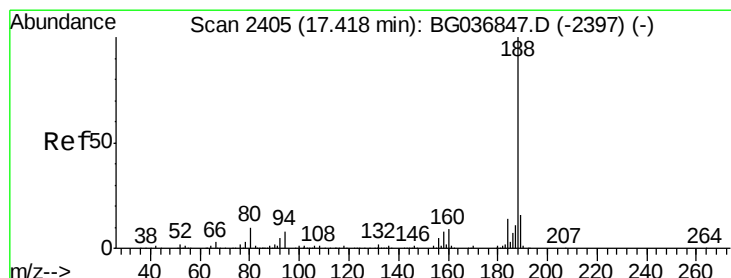
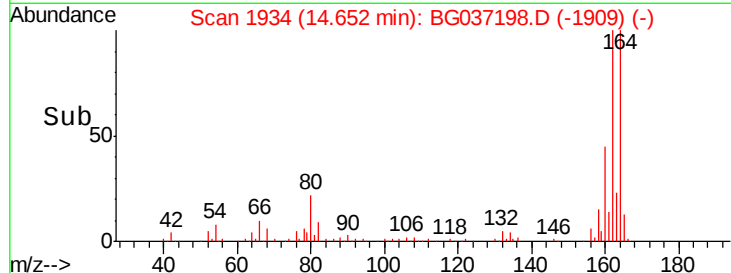
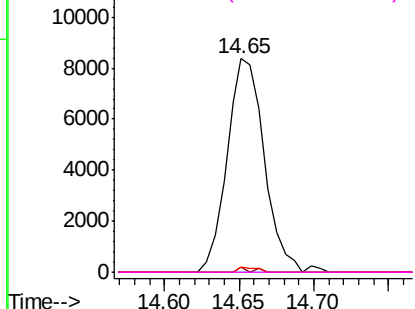
#56
2,4-Dinitrotoluene
Concen: 5.144 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.38 min
Lab File: BG037198.D
Acq: 5 Oct 2018 21:00

Instrument :
BNA_G
ClientSampleId :
T1-GRAVEL

Tgt Ion:165 Resp: 14596
Ion Ratio Lower Upper
165 100
63 2.4 40.1 60.1#
89 2.3 63.7 95.5#
182 0.0 2.5 3.7#

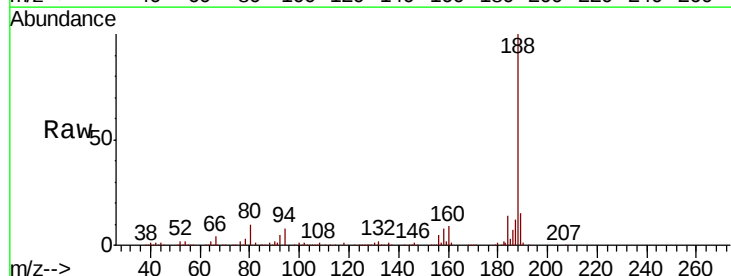


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

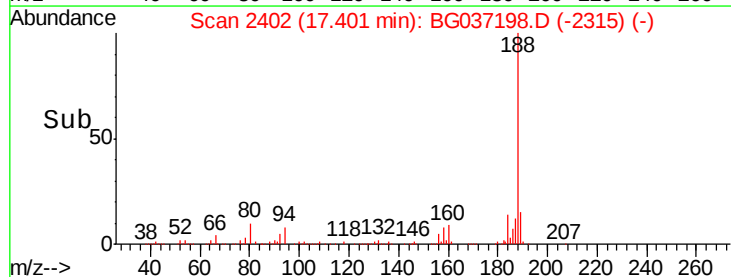
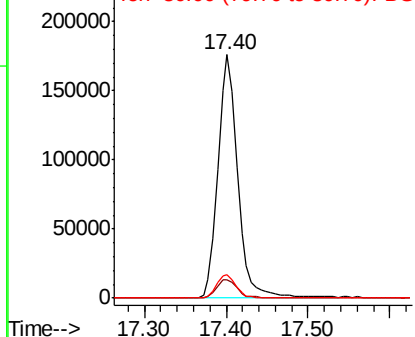


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.02 min
Lab File: BG037198.D
Acq: 5 Oct 2018 21:00

Tgt Ion:188 Resp: 298819
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 9.7 8.1 12.1



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

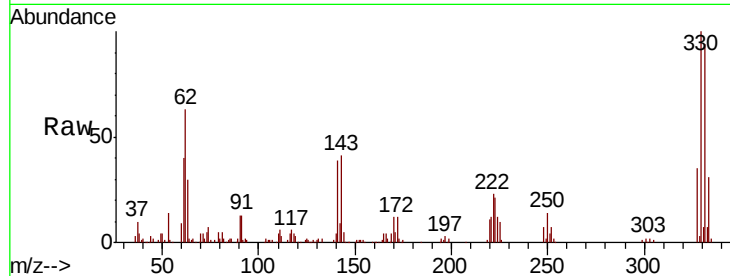




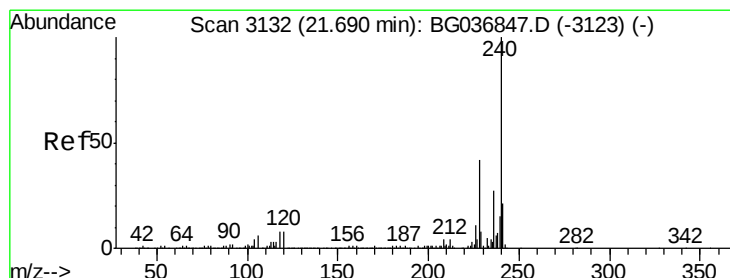
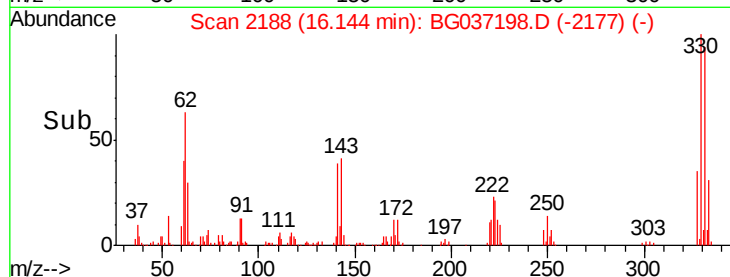
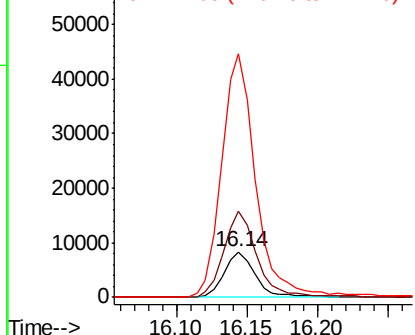
#66
 4-Bromophenyl-phenylether
 Concen: 3.770 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.46 min
 Lab File: BG037198.D
 Acq: 5 Oct 2018 21:00

Instrument :
 BNA_G
 ClientSampleId :
 T1-GRAVEL

Tgt Ion:248 Resp: 12815
 Ion Ratio Lower Upper
 248 100
 250 188.6 78.1 117.1#
 141 536.5 53.7 80.5#

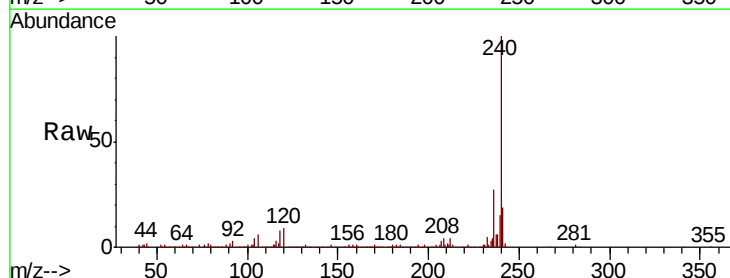


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

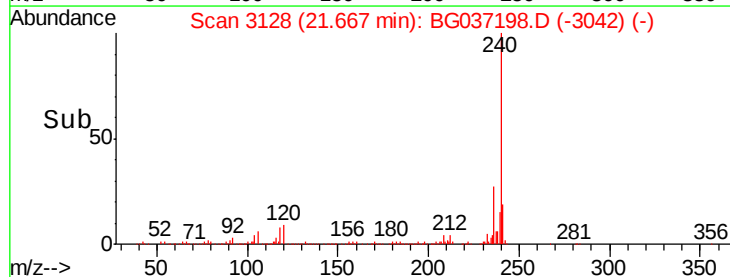
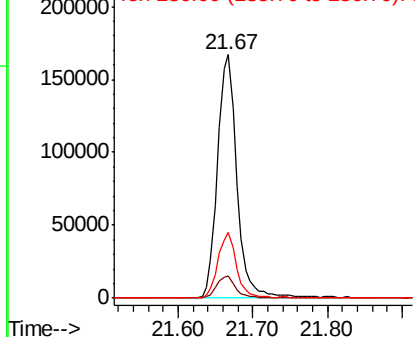


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.02 min
 Lab File: BG037198.D
 Acq: 5 Oct 2018 21:00

Tgt Ion:240 Resp: 303155
 Ion Ratio Lower Upper
 240 100
 120 9.1 6.9 10.3
 236 26.8 21.2 31.8



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: 2.131 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG037198.D

Acq: 5 Oct 2018 21:00

Instrument :

BNA_G

ClientSampleId :

T1-GRAVEL

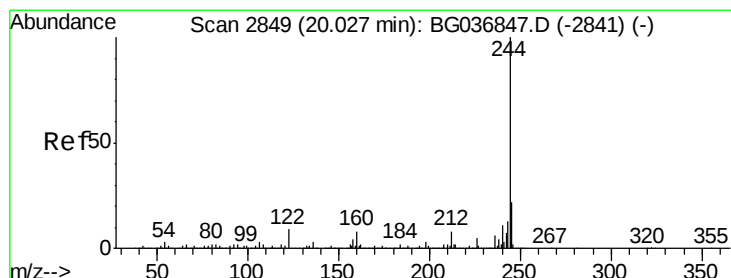
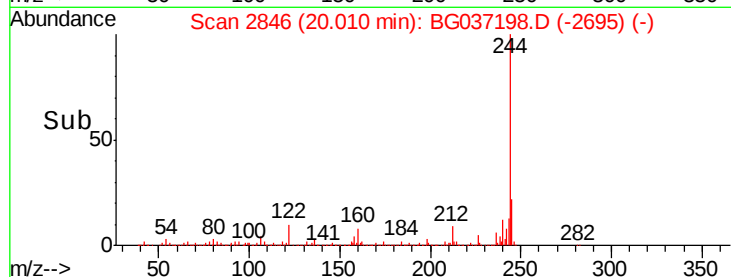
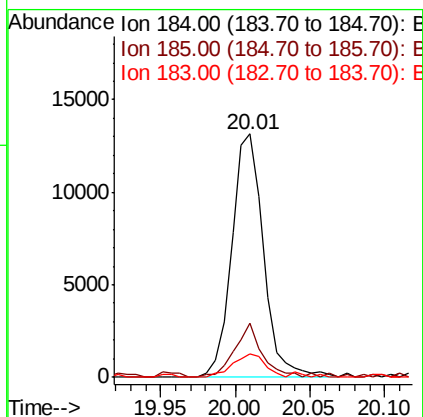
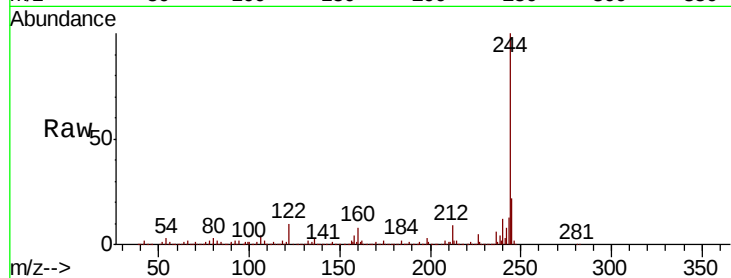
Tgt Ion:184 Resp: 19529

Ion Ratio Lower Upper

184 100

185 22.1 12.6 18.8#

183 9.6 10.9 16.3#



#78

Terphenyl-d14

Concen: 93.577 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037198.D

Acq: 5 Oct 2018 21:00

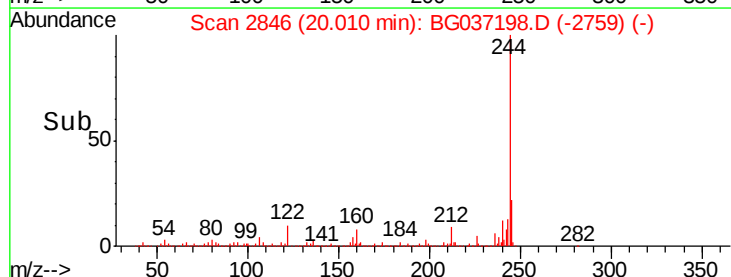
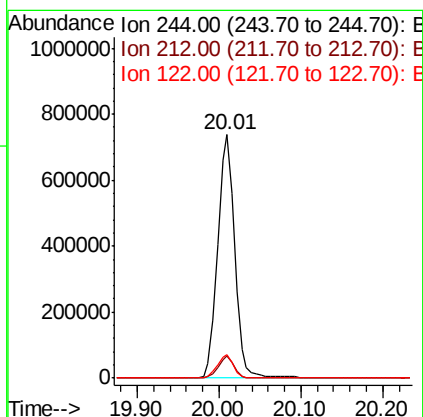
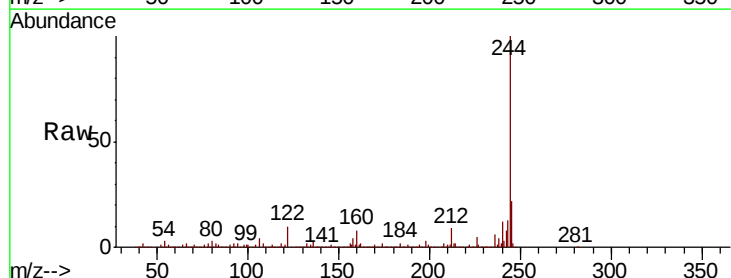
Tgt Ion:244 Resp: 1078857

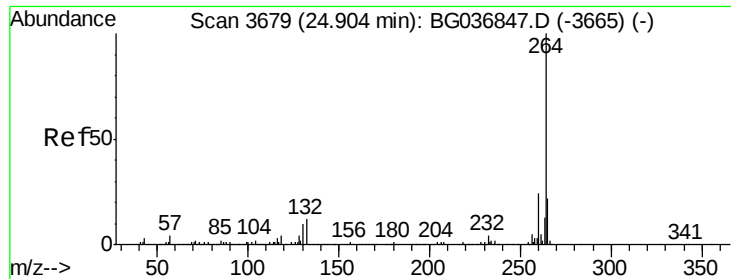
Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

122 9.5 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3670
Delta R.T. -0.05 min
Lab File: BG037198.D
Acq: 5 Oct 2018 21:00

Instrument :
BNA_G
ClientSampleId :
T1-GRAVEL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	22.5	17.4	26.0

