

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100618\
 Data File : BG037197.D
 Acq On : 5 Oct 2018 20:21
 Operator : JU/SJ
 Sample : J5179-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T2-GRAVEL

Quant Time: Oct 06 04:54:25 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

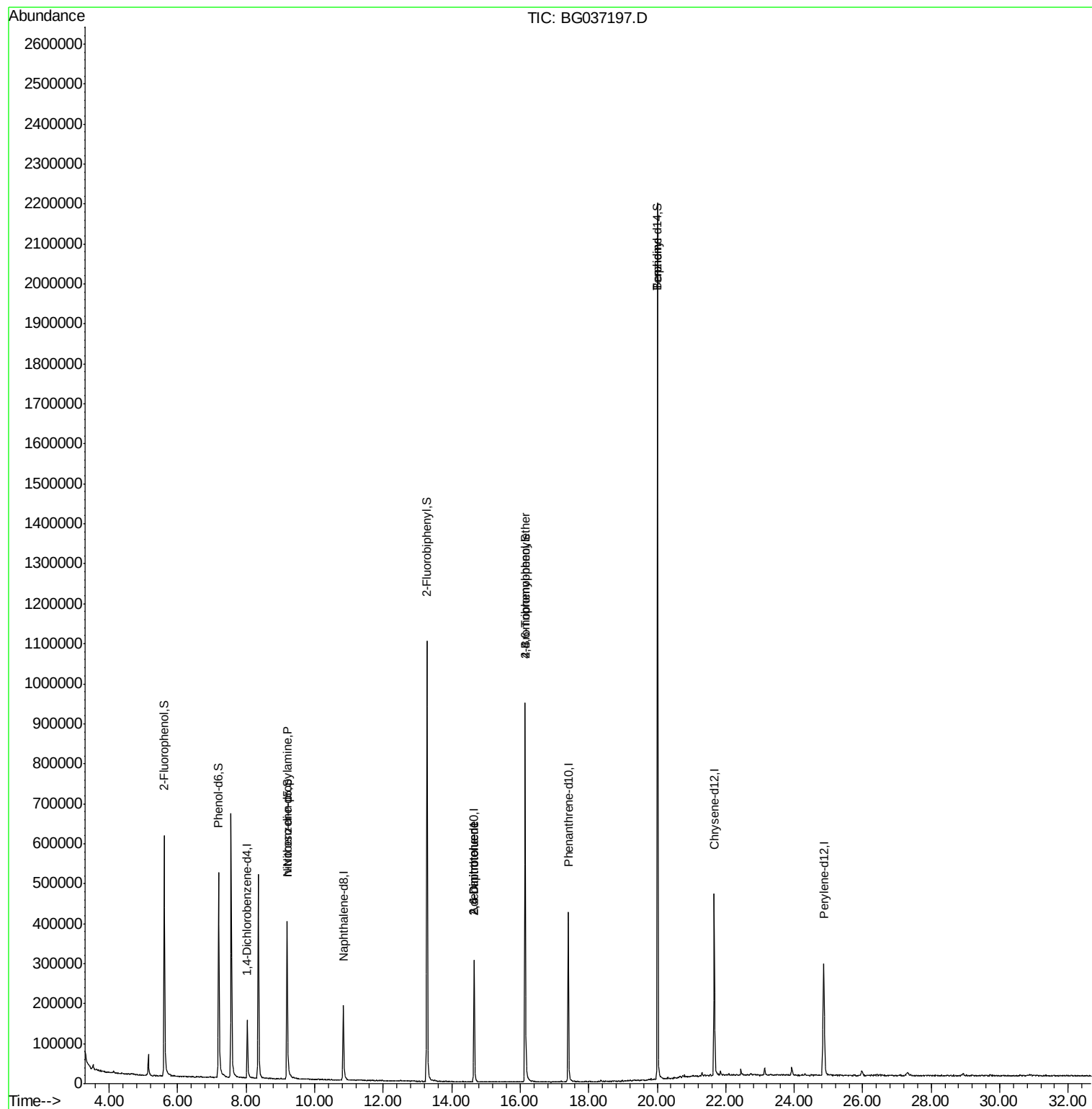
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	46811	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	184318	20.00	ng	-0.02
38) Acenaphthene-d10	14.65	164	117297	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	297856	20.00	ng	-0.02
75) Chrysene-d12	21.66	240	310537	20.00	ng	-0.03
86) Perylene-d12	24.86	264	304689	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	285043	116.78	ng	-0.02
7) Phenol-d6	7.19	99	352078	93.23	ng	-0.02
23) Nitrobenzene-d5	9.19	82	300433	87.29	ng	-0.02
41) 2,4,6-Tribromophenol	16.14	330	180137	128.36	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	620599	78.80	ng	-0.02
78) Terphenyl-d14	20.01	244	1103771	93.46	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	39290	12.506	ng	# 71
50) 2,6-Dinitrotoluene	14.65	165	14783	7.176	ng	# 21
56) 2,4-Dinitrotoluene	14.65	165	14783	5.143	ng	# 20
66) 4-Bromophenyl-phenylether	16.14	248	12981	3.832	ng	# 1
76) Benzidine	20.01	184	19241	2.050	ng	# 96

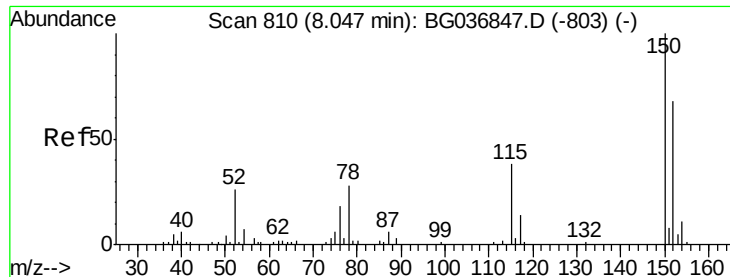
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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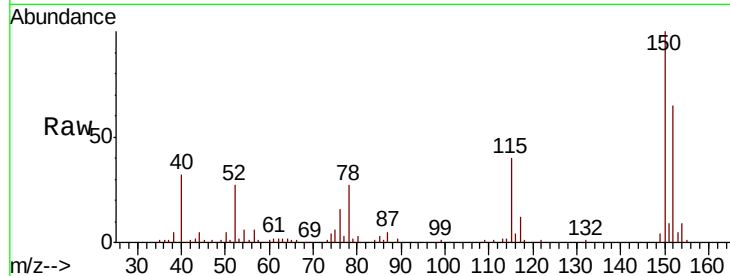


#1

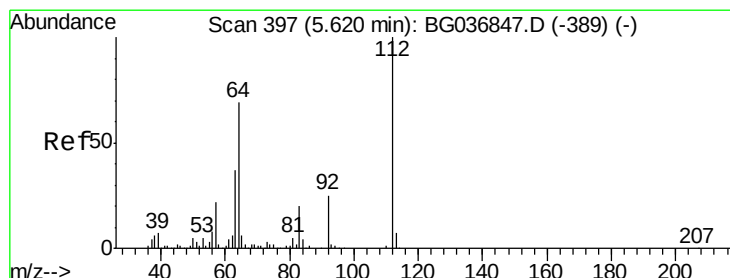
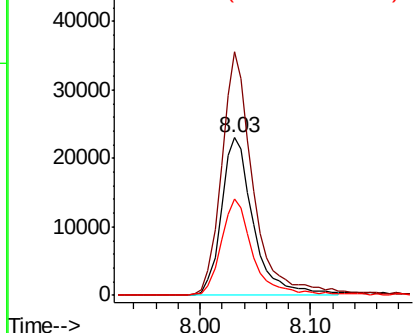
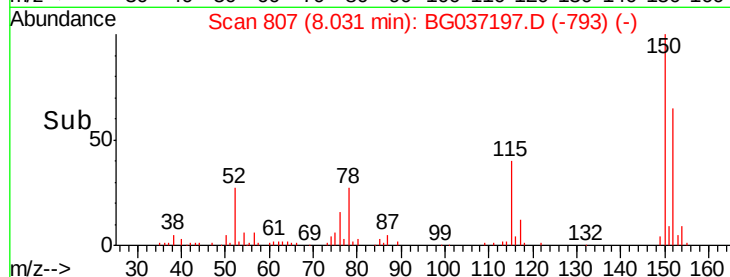
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.02 min
Lab File: BG037197.D
Acq: 5 Oct 2018 20:21

Instrument :
BNA_G
ClientSampleId :
T2-GRAVEL

Tgt Ion:152 Resp: 46811
Ion Ratio Lower Upper
152 100
150 154.8 119.5 179.3
115 61.7 44.5 66.7



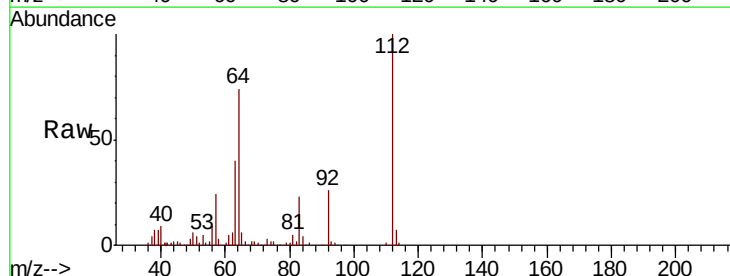
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



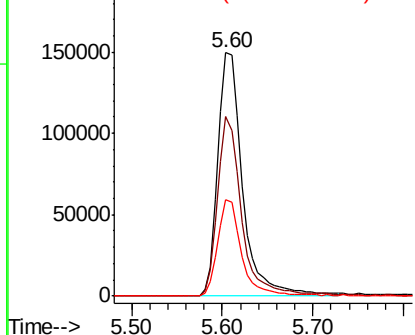
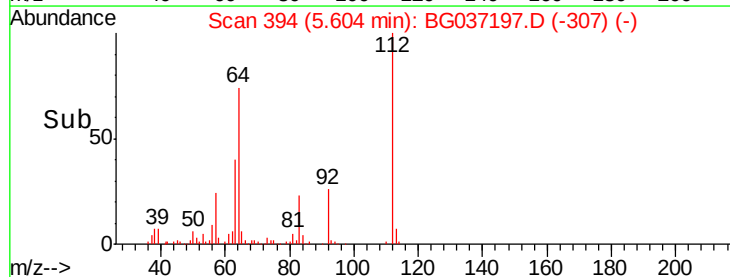
#5

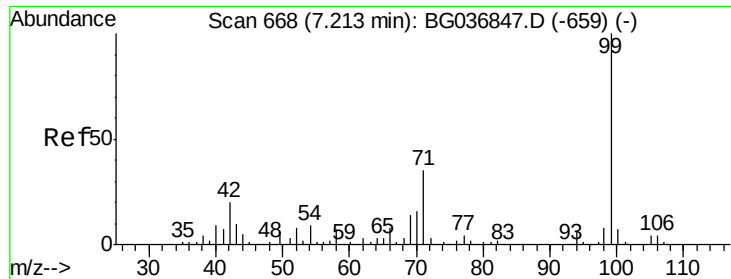
2-Fluorophenol
Concen: 116.778 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.02 min
Lab File: BG037197.D
Acq: 5 Oct 2018 20:21

Tgt Ion:112 Resp: 285043
Ion Ratio Lower Upper
112 100
64 73.8 57.2 85.8
63 39.6 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: 93.229 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.02 min

Lab File: BG037197.D

Acq: 5 Oct 2018 20:21

Instrument :

BNA_G

ClientSampleId :

T2-GRAVEL

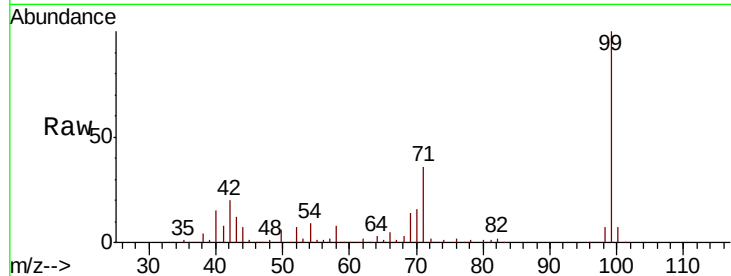
Tgt Ion: 99 Resp: 352078

Ion Ratio Lower Upper

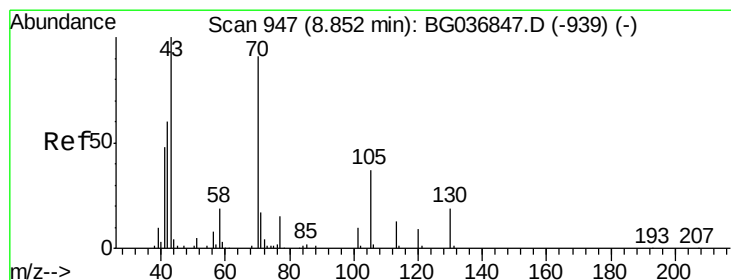
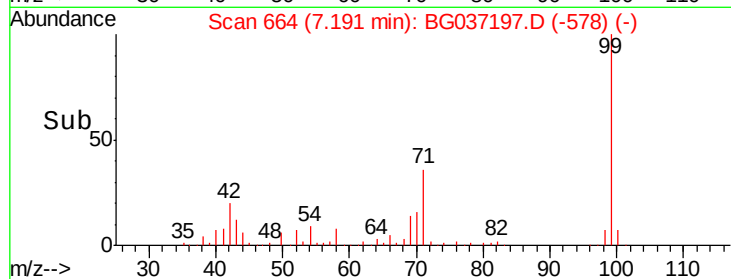
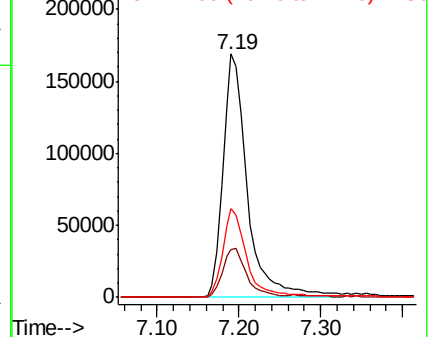
99 100

42 19.7 16.5 24.7

71 36.4 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: 12.506 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037197.D

Acq: 5 Oct 2018 20:21

Tgt Ion: 70 Resp: 39290

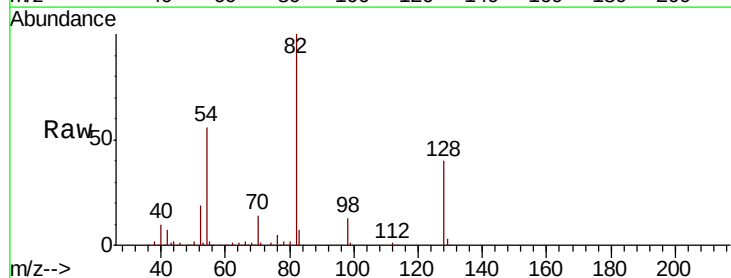
Ion Ratio Lower Upper

70 100

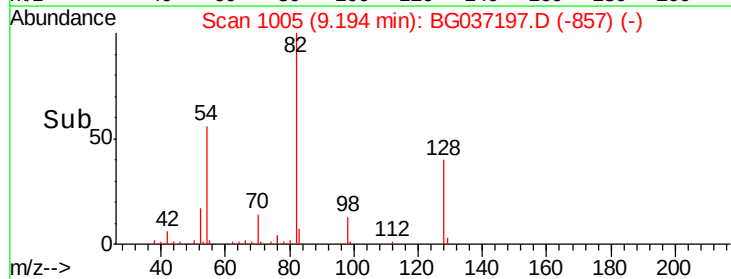
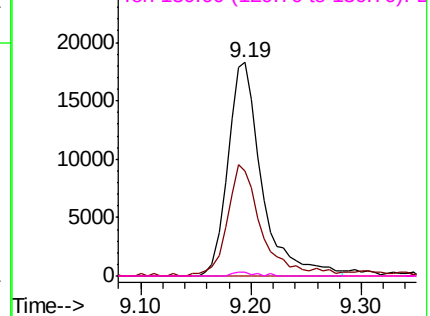
42 48.9 56.2 84.4#

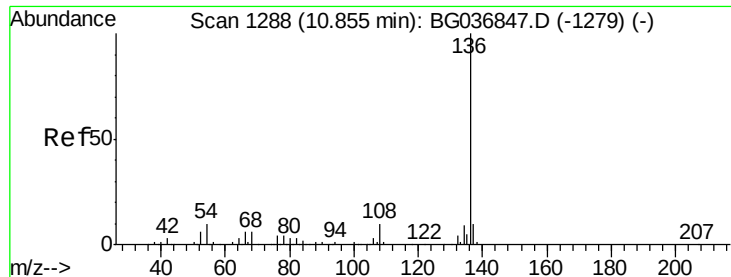
101 0.0 7.8 11.6#

130 1.6 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

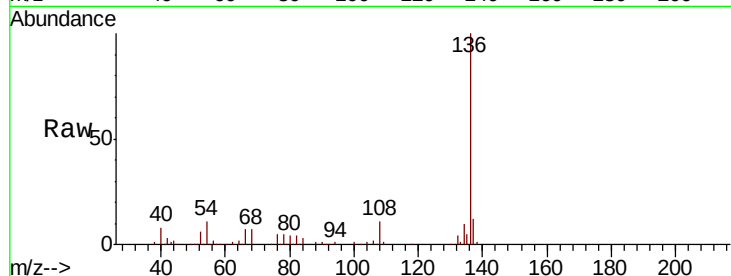




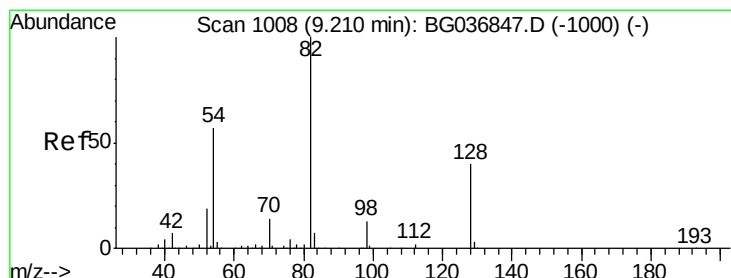
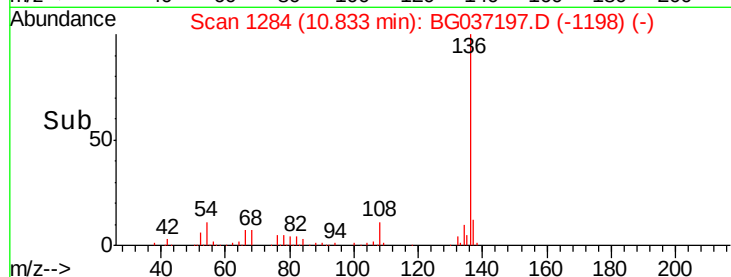
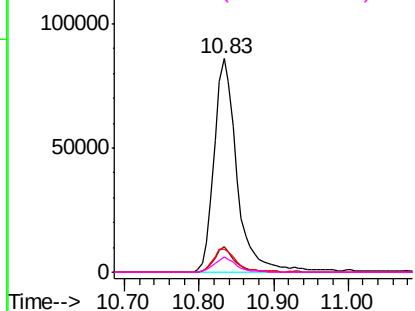
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BG037197.D
Acq: 5 Oct 2018 20:21

Instrument :
BNA_G
ClientSampleId :
T2-GRAVEL

Tgt Ion:	136	Resp:	184318
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	10.8	9.2	13.8
68	7.2	5.8	8.6

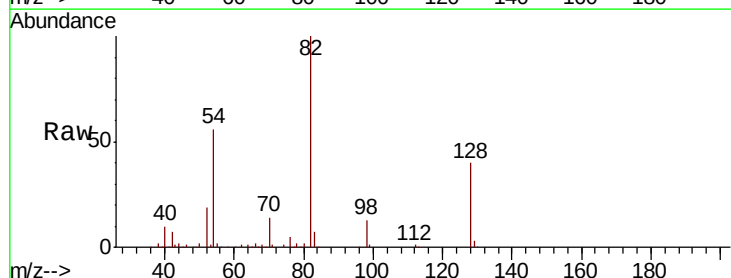


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

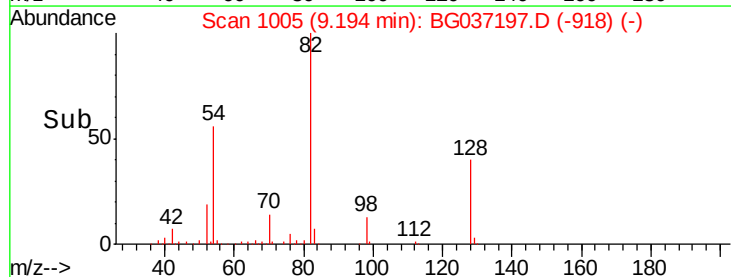
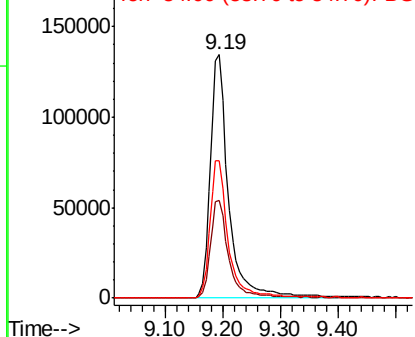


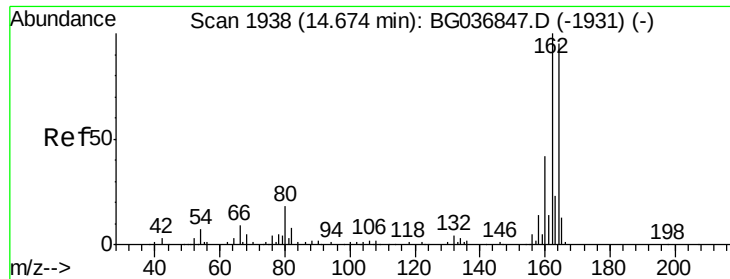
#23
Nitrobenzene-d5
Concen: 87.287 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037197.D
Acq: 5 Oct 2018 20:21

Tgt Ion:	82	Resp:	300433
Ion	Ratio	Lower	Upper
82	100		
128	40.0	33.3	49.9
54	56.3	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: 14.65 min Scan# 1934

Delta R.T. -0.02 min

Lab File: BG037197.D

Acq: 5 Oct 2018 20:21

Instrument :

BNA_G

ClientSampleId :

T2-GRAVEL

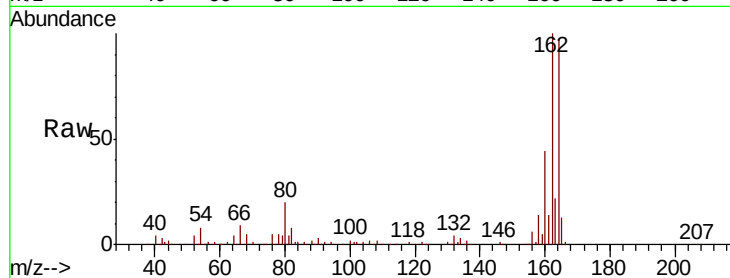
Tgt Ion:164 Resp: 117297

Ion Ratio Lower Upper

164 100

162 102.7 80.7 121.1

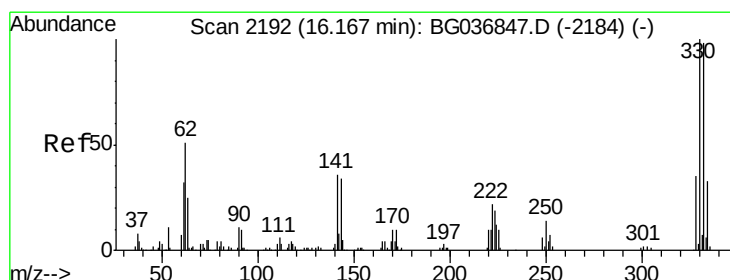
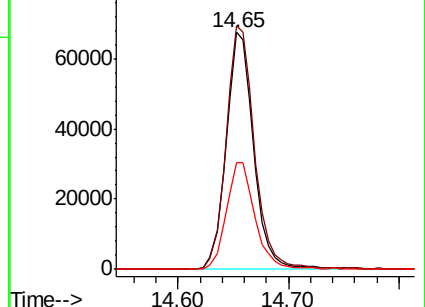
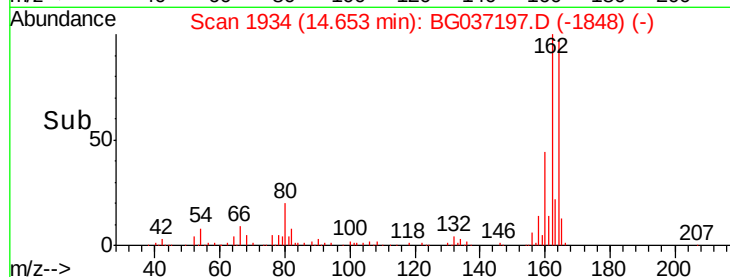
160 45.3 35.3 52.9



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: 128.359 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037197.D

Acq: 5 Oct 2018 20:21

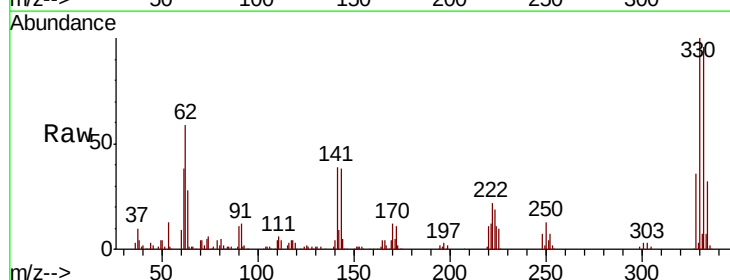
Tgt Ion:330 Resp: 180137

Ion Ratio Lower Upper

330 100

332 95.7 75.4 113.2

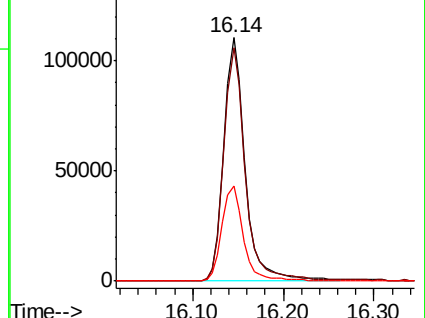
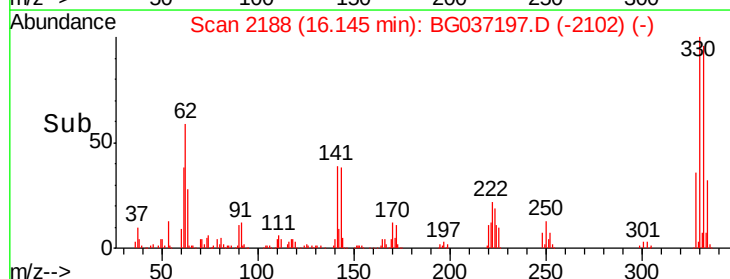
141 40.3 30.7 46.1

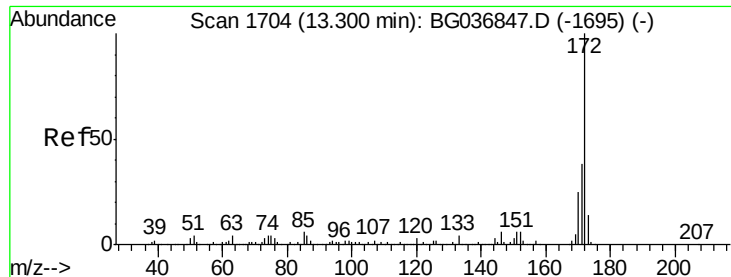


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

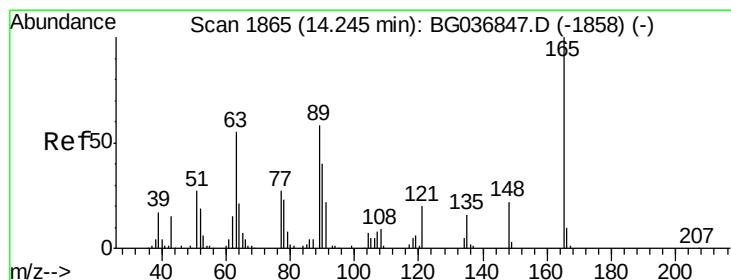
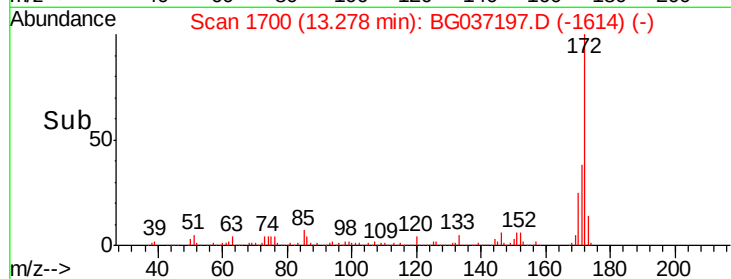
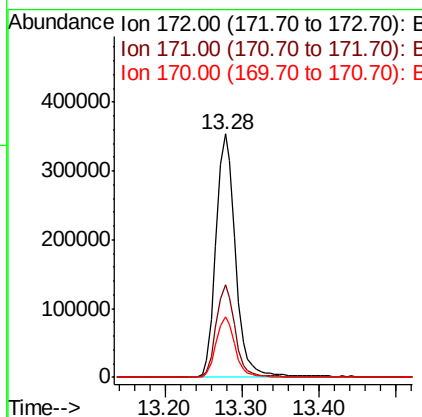
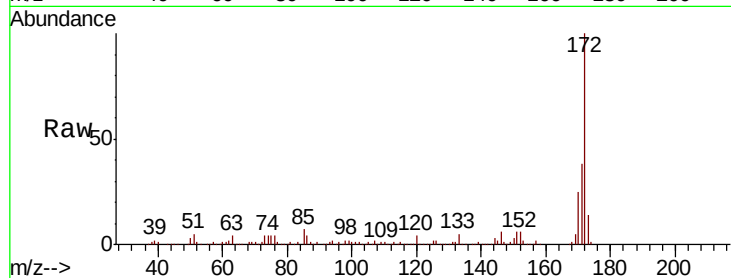




#44
 2-Fluorobiphenyl
 Concen: 78.801 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.02 min
 Lab File: BG037197.D
 Acq: 5 Oct 2018 20:21

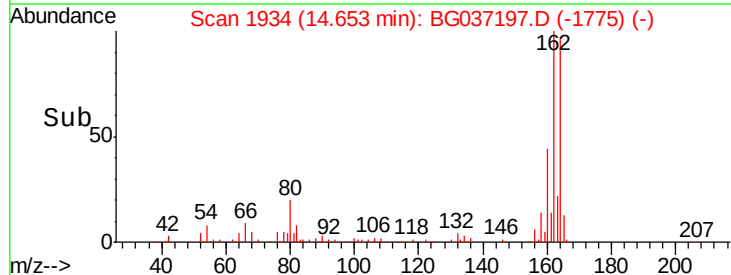
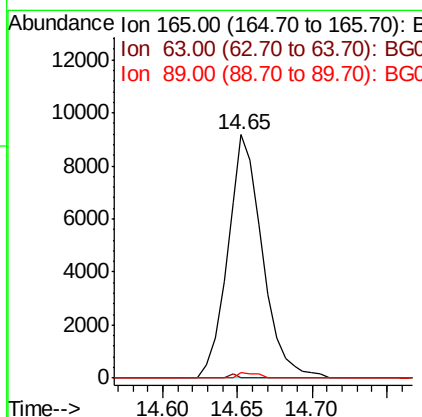
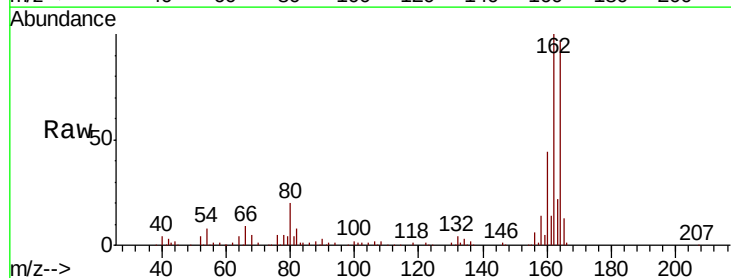
Instrument :
 BNA_G
 ClientSampleId :
 T2-GRAVEL

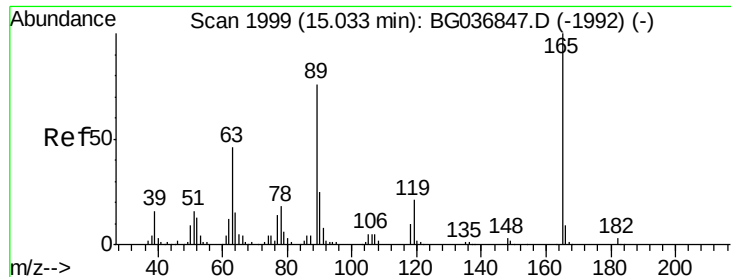
Tgt Ion:172 Resp: 620599
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.3 46.9
 170 25.0 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.176 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.41 min
 Lab File: BG037197.D
 Acq: 5 Oct 2018 20:21

Tgt Ion:165 Resp: 14783
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 2.3 47.8 71.6#

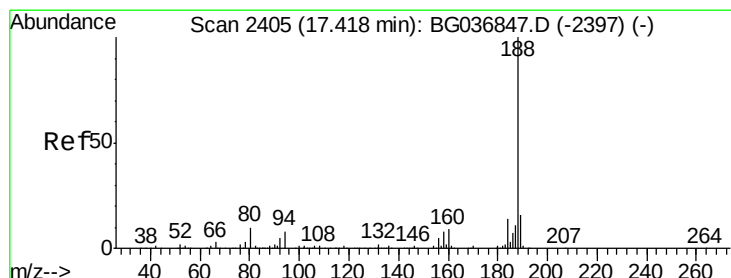
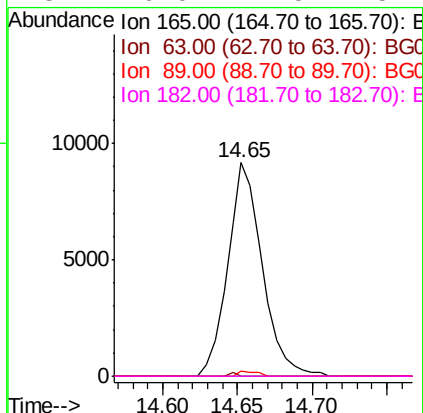
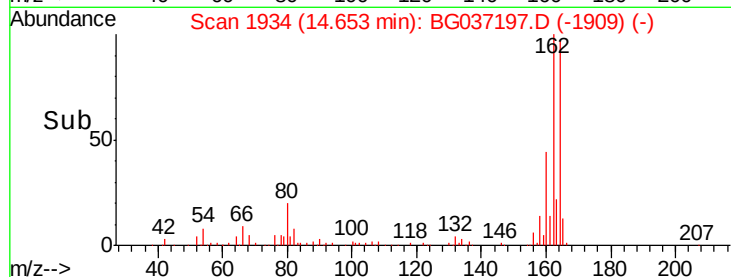
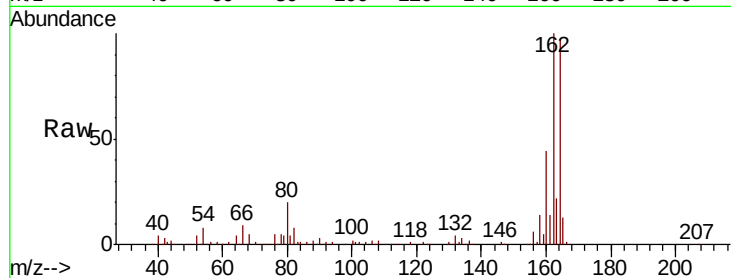




#56
 2,4-Dinitrotoluene
 Concen: 5.143 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.38 min
 Lab File: BG037197.D
 Acq: 5 Oct 2018 20:21

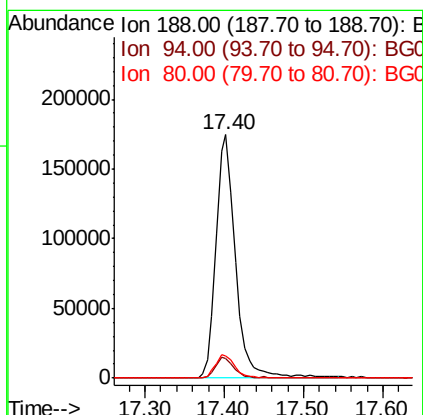
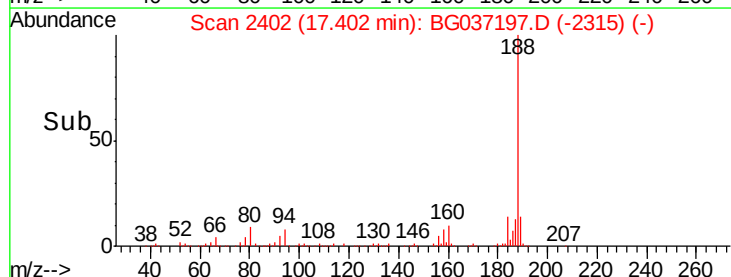
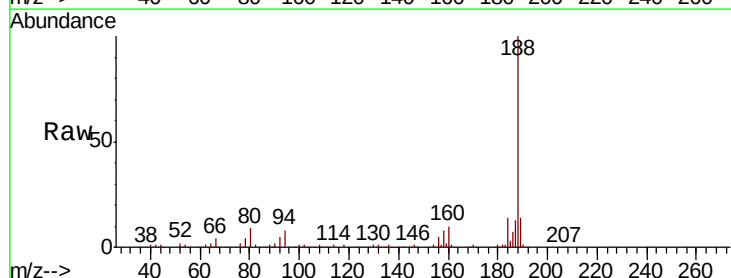
Instrument :
 BNA_G
 ClientSampled :
 T2-GRAVEL

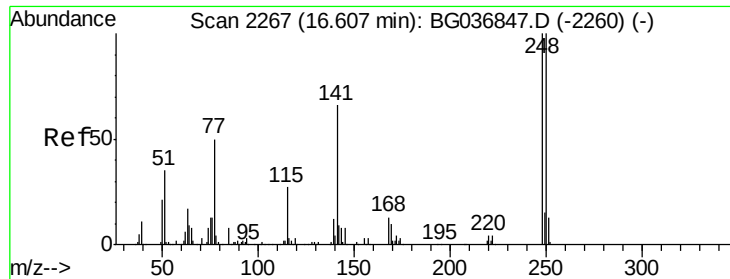
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.3	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2402
 Delta R.T. -0.02 min
 Lab File: BG037197.D
 Acq: 5 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	9.2	8.1	12.1





#66

4-Bromophenyl-phenylether

Concen: 3.832 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.46 min

Lab File: BG037197.D

Acq: 5 Oct 2018 20:21

Instrument :

BNA_G

ClientSampleId :

T2-GRAVEL

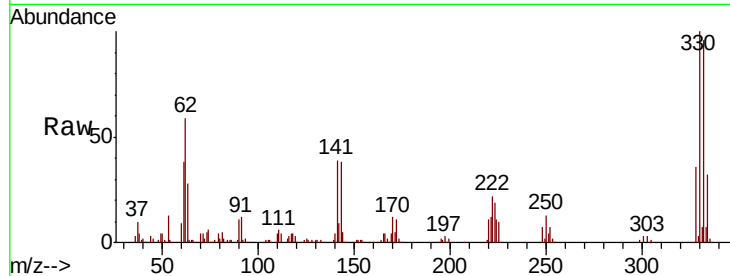
Tgt Ion:248 Resp: 12981

Ion Ratio Lower Upper

248 100

250 178.7 78.1 117.1#

141 523.7 53.7 80.5#

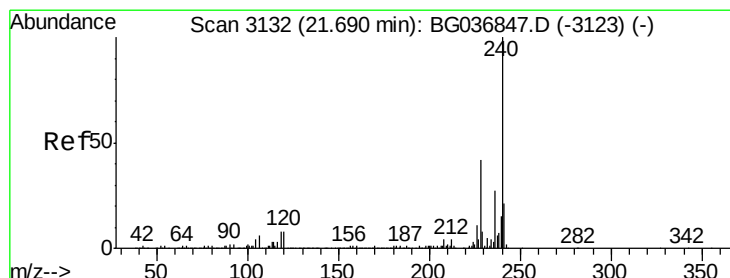
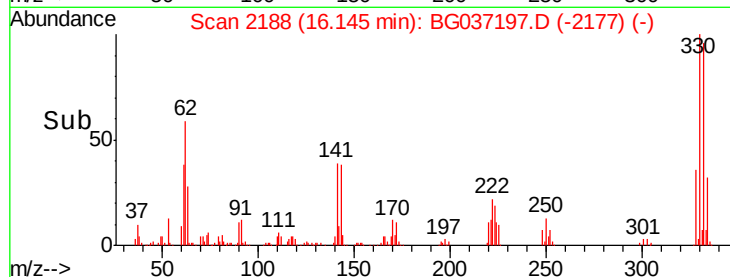
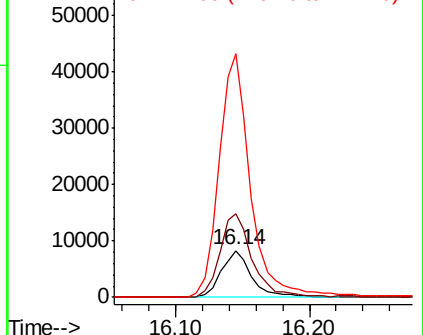


Abundance

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: 21.66 min Scan# 3127

Delta R.T. -0.03 min

Lab File: BG037197.D

Acq: 5 Oct 2018 20:21

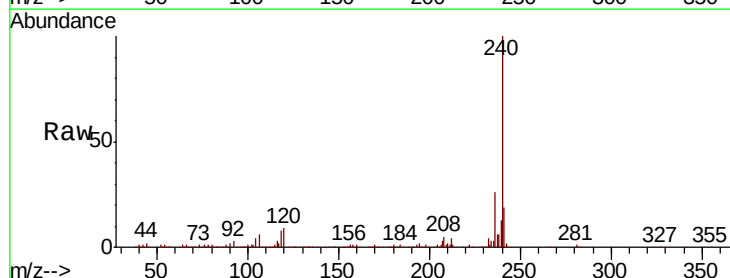
Tgt Ion:240 Resp: 310537

Ion Ratio Lower Upper

240 100

120 8.9 6.9 10.3

236 25.5 21.2 31.8

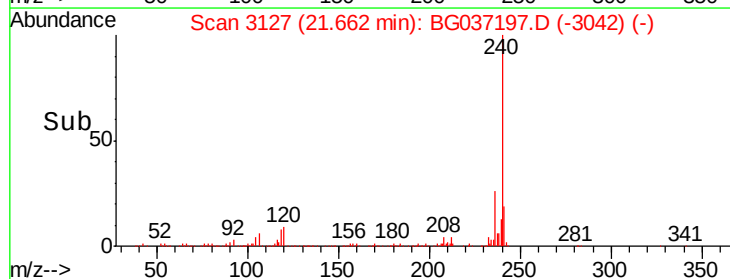
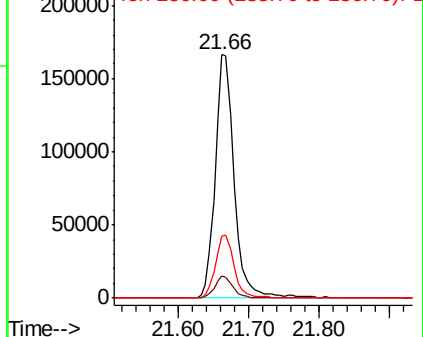


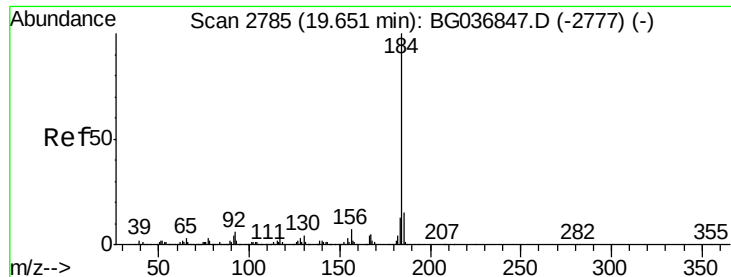
Abundance

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

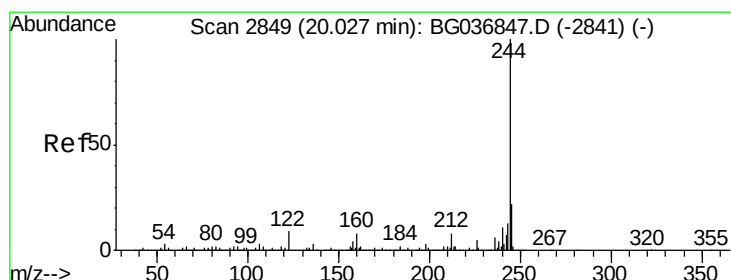
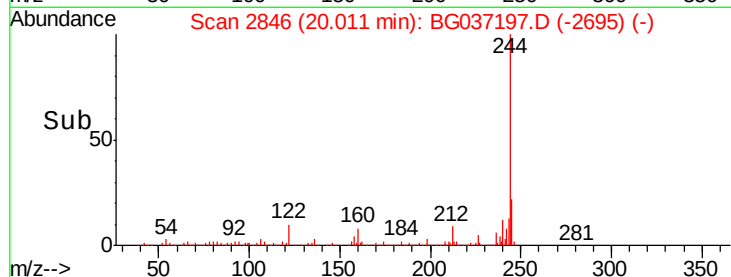
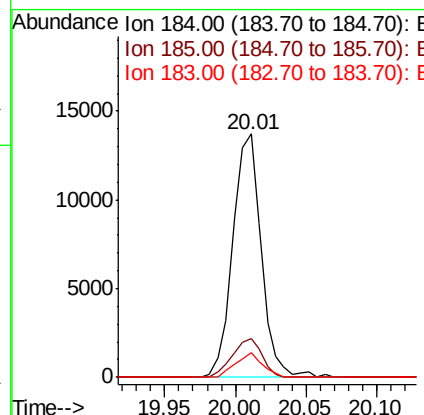
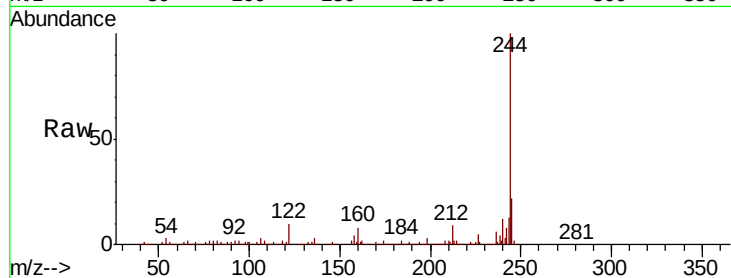




#76
Benzidine
Concen: 2.050 ng
RT: 20.01 min Scan# 2846
Delta R.T. 0.36 min
Lab File: BG037197.D
Acq: 5 Oct 2018 20:21

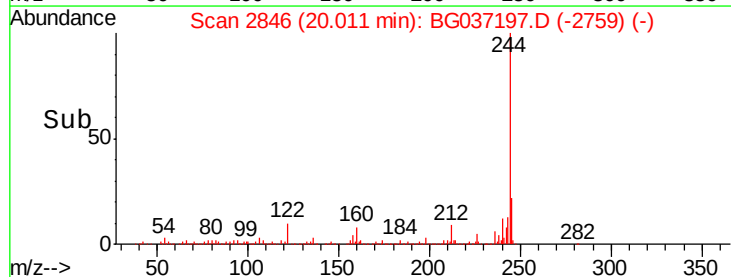
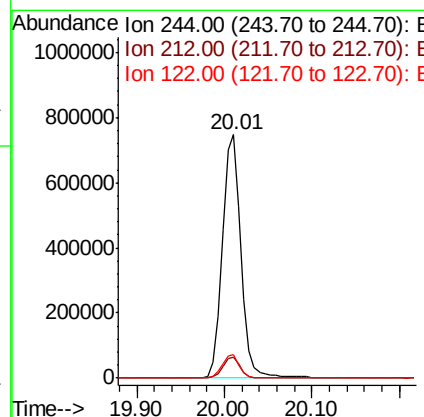
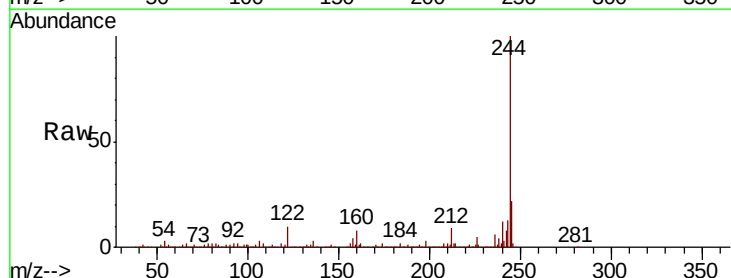
Instrument :
BNA_G
ClientSampleId :
T2-GRAVEL

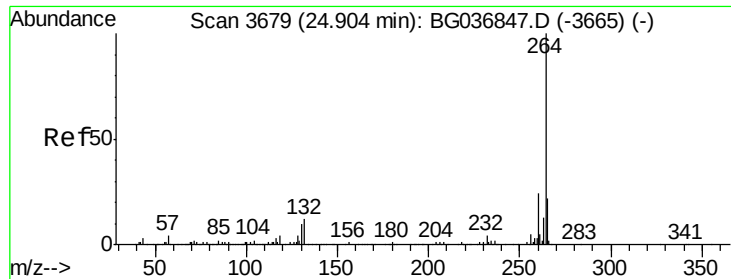
Tgt Ion:184 Resp: 19241
Ion Ratio Lower Upper
184 100
185 15.8 12.6 18.8
183 10.1 10.9 16.3#



#78
Terphenyl-d14
Concen: 93.462 ng
RT: 20.01 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BG037197.D
Acq: 5 Oct 2018 20:21

Tgt Ion:244 Resp: 1103771
Ion Ratio Lower Upper
244 100
212 8.8 7.0 10.6
122 9.6 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3671
Delta R.T. -0.05 min
Lab File: BG037197.D
Acq: 5 Oct 2018 20:21

Instrument :
BNA_G
ClientSampleId :
T2-GRAVEL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	21.9	17.4	26.0

