

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110218\
 Data File : BG037759.D
 Acq On : 2 Nov 2018 18:00
 Operator : JU/SJ
 Sample : J5778-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-GRAVEL

Quant Time: Nov 03 02:28:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

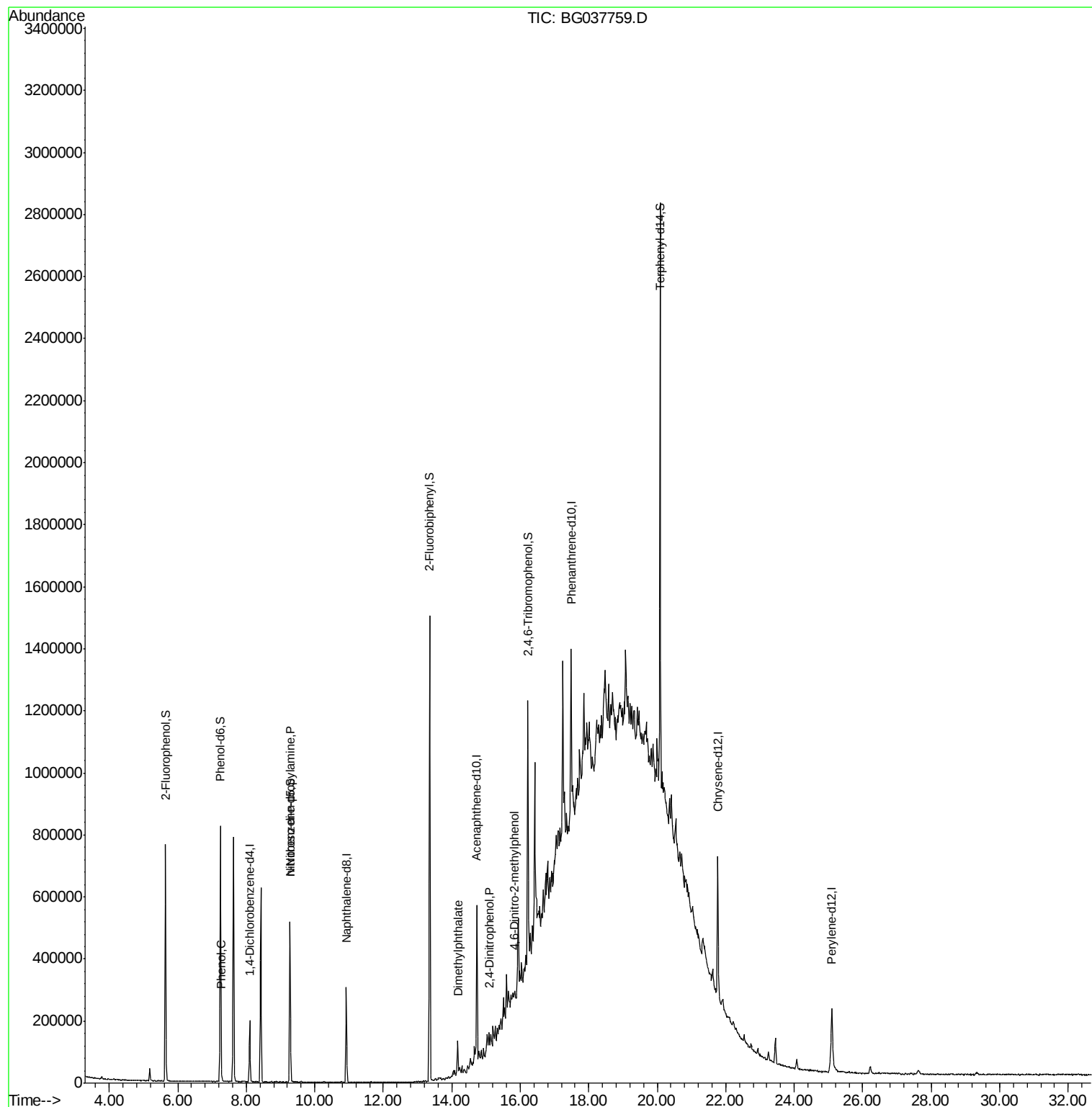
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	60311	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	276004	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	167344	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	316654	20.00	ng	0.00
76) Chrysene-d12	21.77	240	298475	20.00	ng	0.00
87) Perylene-d12	25.10	264	286297	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	364720	101.10	ng	0.00
7) Phenol-d6	7.24	99	536674	98.38	ng	0.00
23) Nitrobenzene-d5	9.27	82	333611	67.71	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	164125	89.92	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	850019	76.60	ng	0.00
79) Terphenyl-d14	20.08	244	953703	68.28	ng	0.00
Target Compounds						
10) Phenol	7.27	94	13473	2.341	ng	88
19) n-Nitroso-di-n-propylamine	9.28	70	42219	11.239	ng	# 66
50) Dimethylphthalate	14.17	163	63479	4.903	ng	99
54) 2,4-Dinitrophenol	15.08	184	61	6.198	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.81	198	182	8.598	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

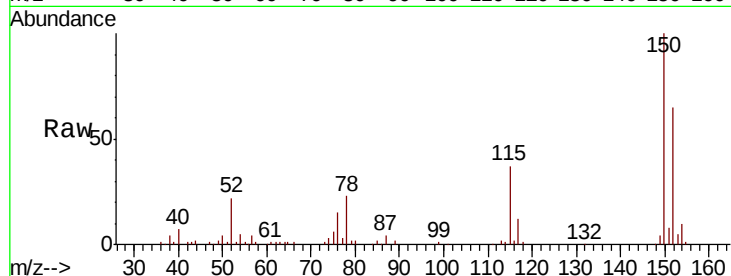
Tot Ion:152 Resp: 60311

Ion Ratio Lower Upper

152 100

150 154.1 126.0 189.0

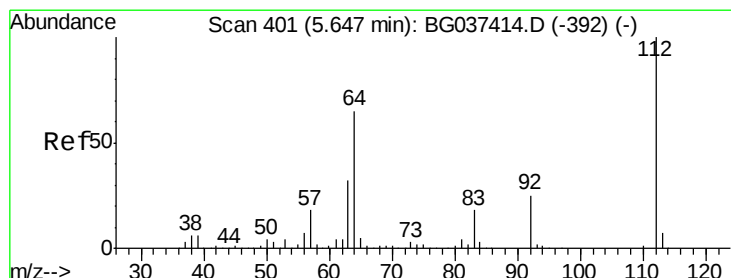
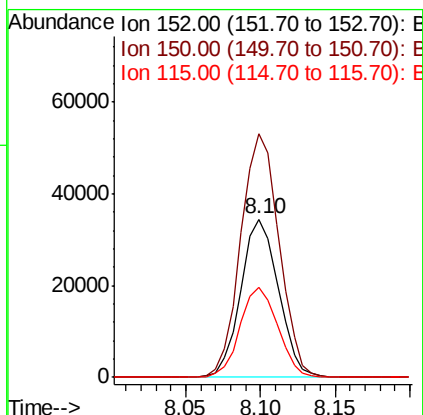
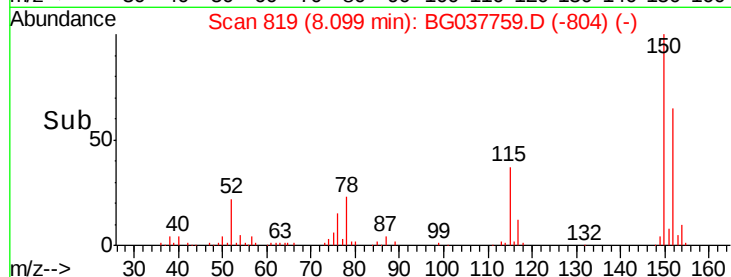
115 57.4 45.5 68.3



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: 101.102 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

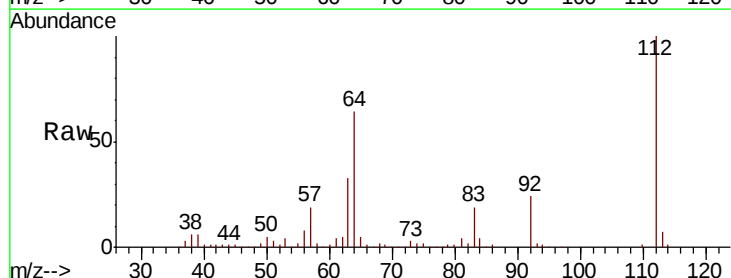
Tgt Ion:112 Resp: 364720

Ion Ratio Lower Upper

112 100

64 63.6 53.1 79.7

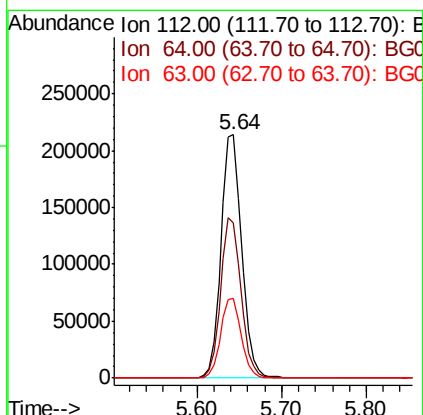
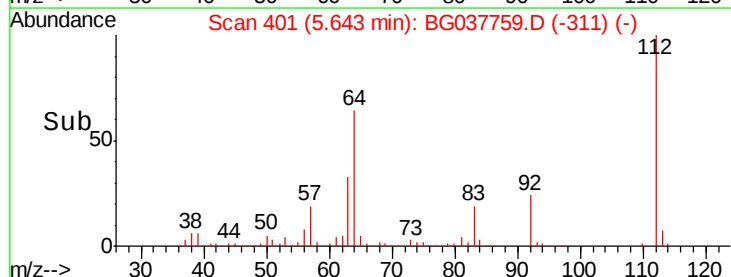
63 32.7 27.3 40.9



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: 98.384 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

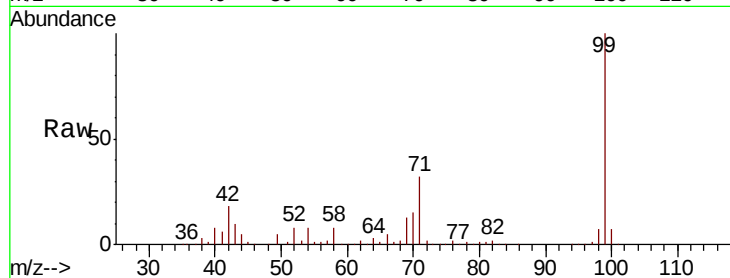
Tot Ion: 99 Resp: 536674

Ion Ratio Lower Upper

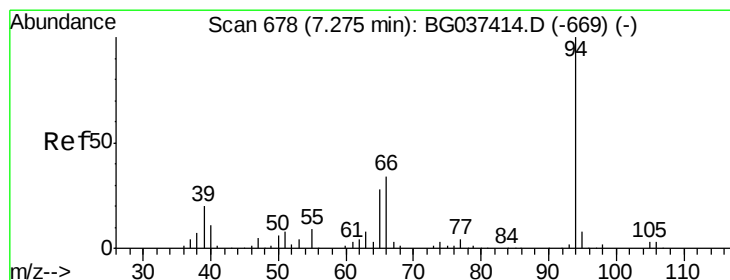
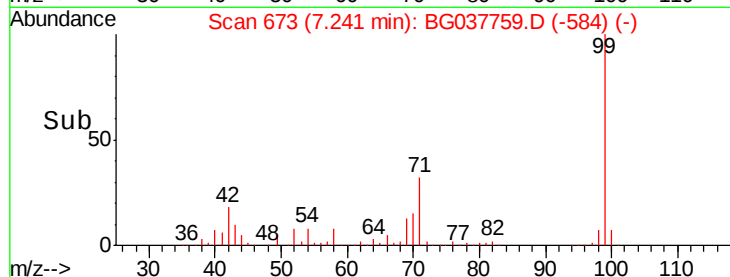
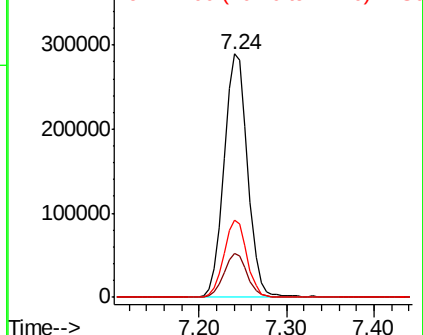
99 100

42 17.9 15.0 22.4

71 31.5 25.5 38.3



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



#10

Phenol

Concen: 2.341 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

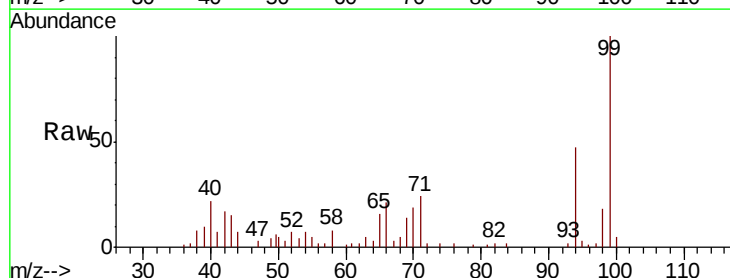
Tgt Ion: 94 Resp: 13473

Ion Ratio Lower Upper

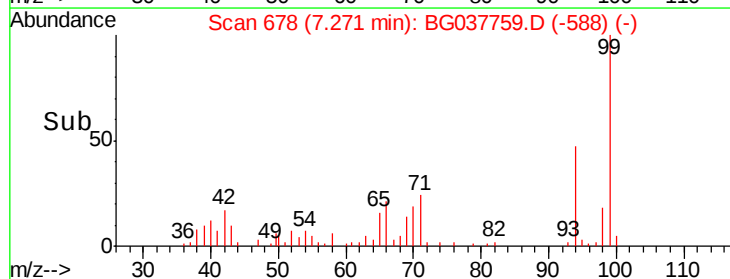
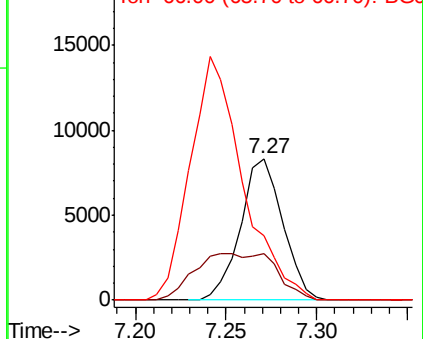
94 100

65 33.2 9.7 49.7

66 45.2 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 11.239 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

Tot Ion: 70 Resp: 42219

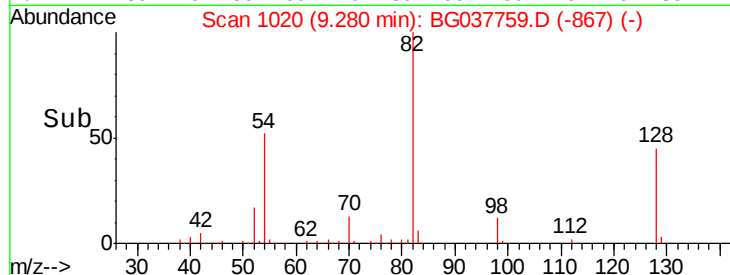
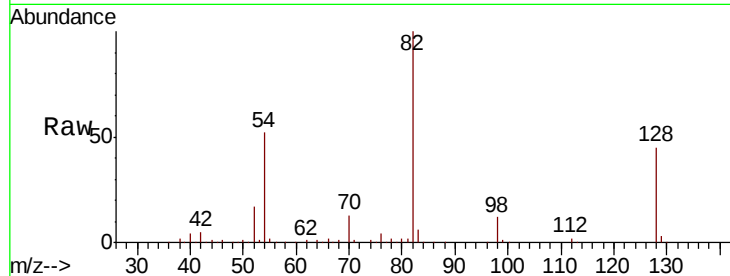
Ion Ratio Lower Upper

70 100

42 41.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.5 18.2 27.4#

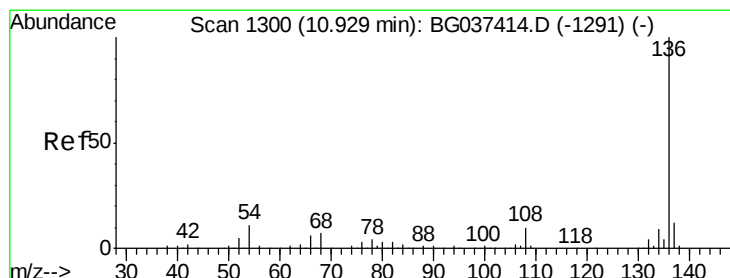
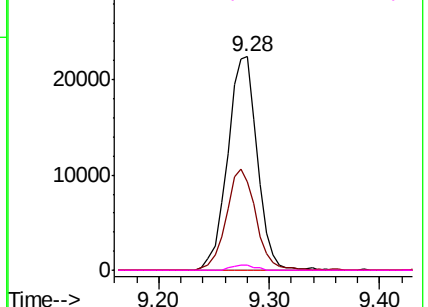


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

Tgt Ion: 136 Resp: 276004

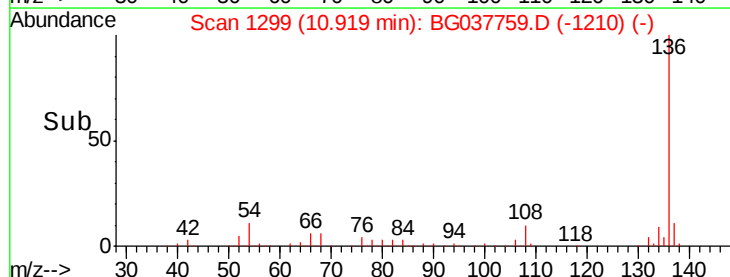
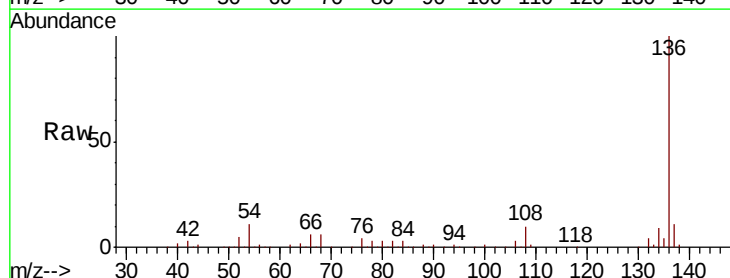
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 10.6 7.9 11.9

68 6.1 4.8 7.2

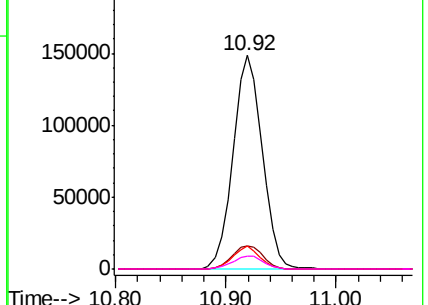


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

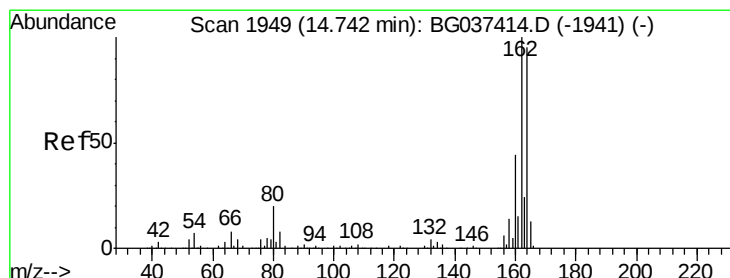
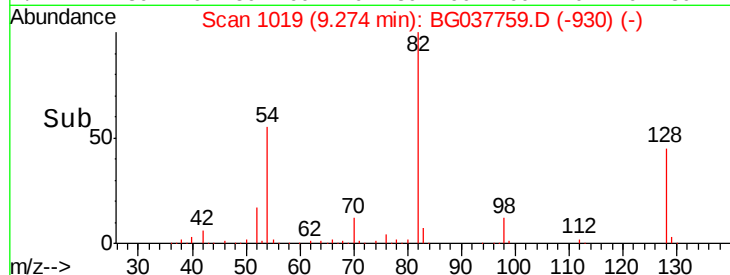
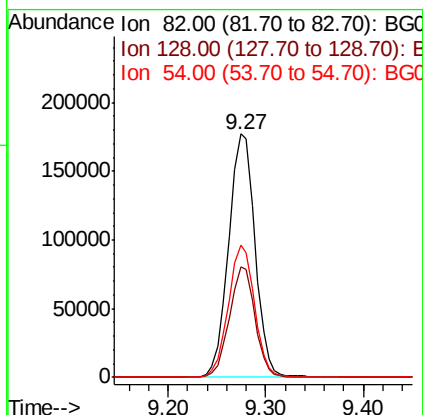
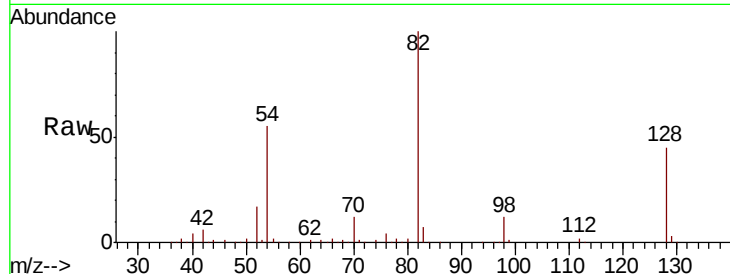




#23
 Nitrobenzene-d5
 Concen: 67.711 ng
 RT: 9.27 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037759.D
 Acq: 2 Nov 2018 18:00

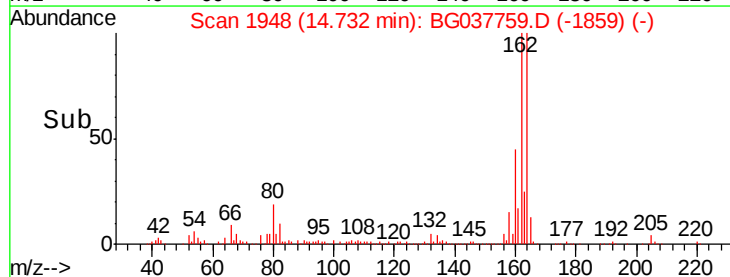
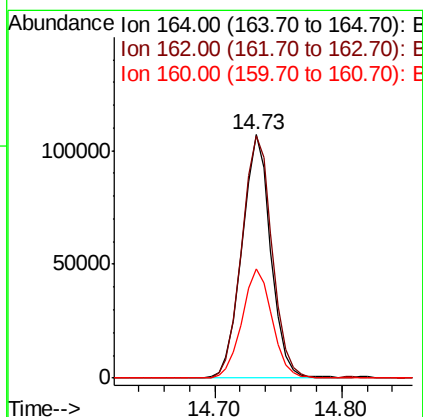
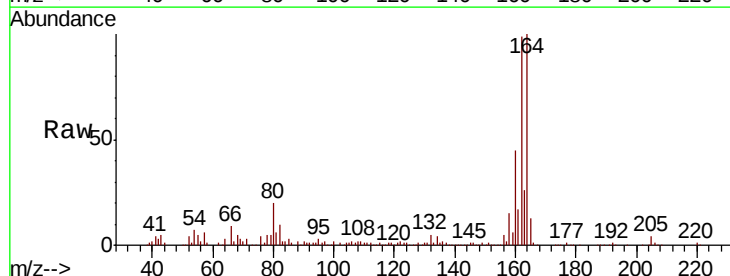
Instrument :
 BNA_G
 ClientSampleId :
 OILY-GRAVEL

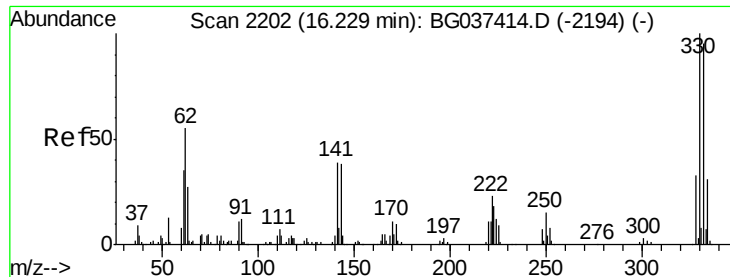
Tot Ion	82	Resp	333611
Ion Ratio	Lower	Upper	
82	100		
128	45.2	34.6	51.8
54	54.5	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037759.D
 Acq: 2 Nov 2018 18:00

Tgt Ion	164	Resp	167344
Ion Ratio	Lower	Upper	
164	100		
162	99.4	81.3	121.9
160	44.8	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 89.922 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

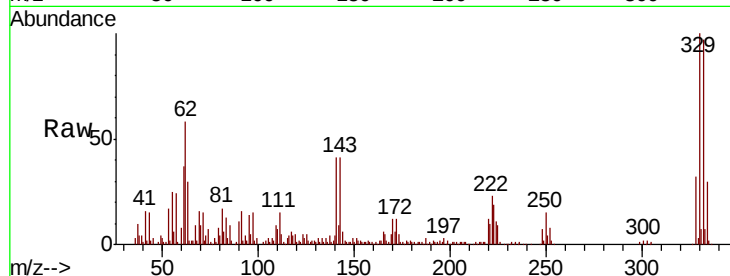
Tot Ion:330 Resp: 164125

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

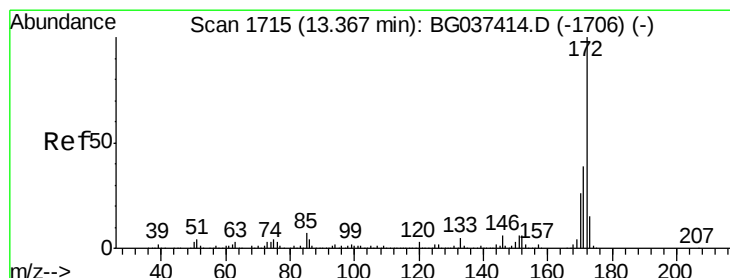
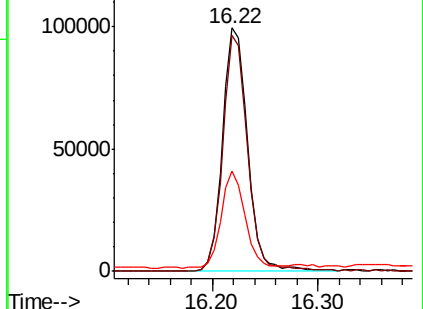
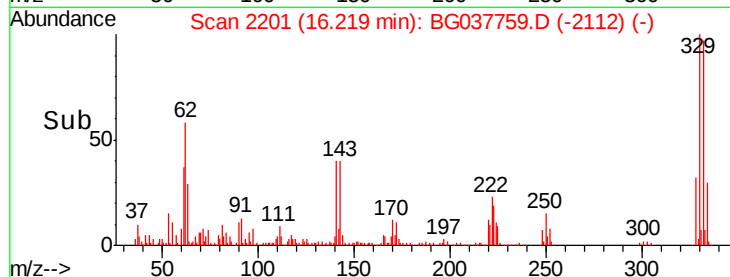
141 37.0 32.2 48.2



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



#45

2-Fluorobiphenyl

Concen: 76.596 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

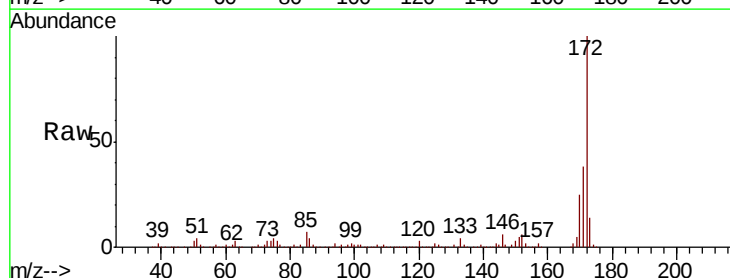
Tgt Ion:172 Resp: 850019

Ion Ratio Lower Upper

172 100

171 37.7 31.0 46.4

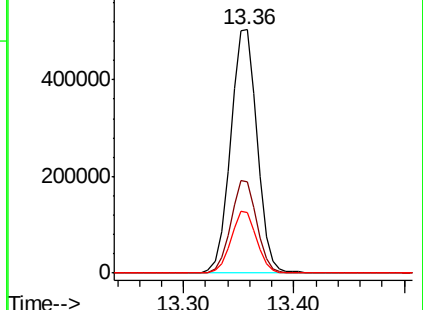
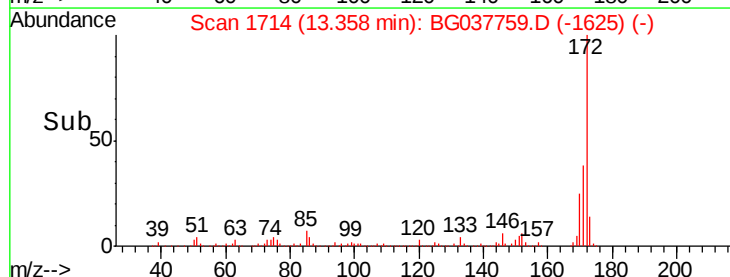
170 25.0 20.2 30.2

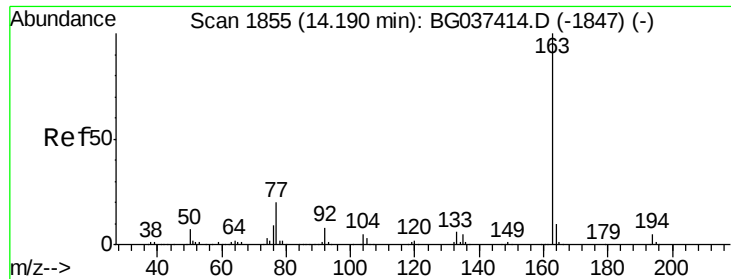


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.903 ng

RT: 14.17 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

Instrument :

BNA_G

ClientSampled :

OILY-GRAVEL

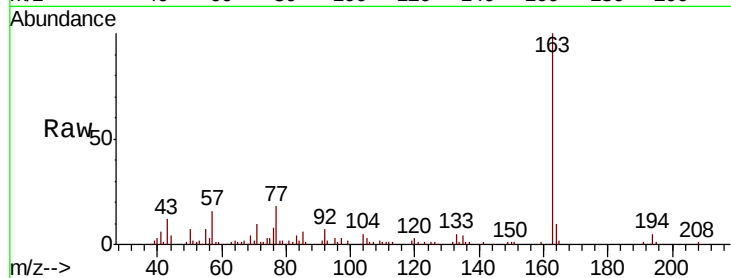
Tot Ion:163 Resp: 63479

Ion Ratio Lower Upper

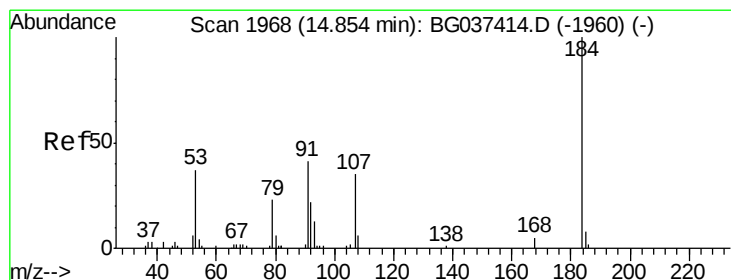
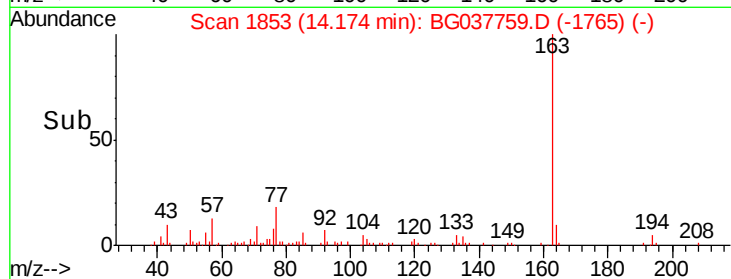
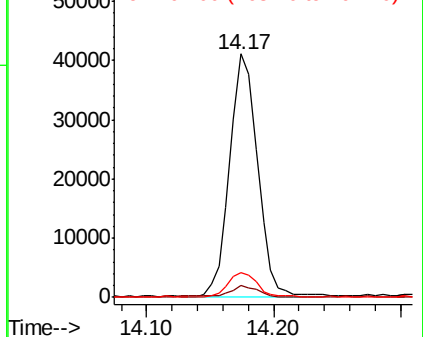
163 100

194 4.9 3.5 5.3

164 10.3 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 6.198 ng

RT: 15.08 min Scan# 2008

Delta R.T. 0.23 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

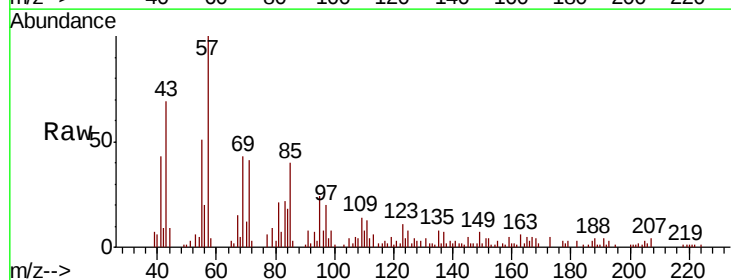
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

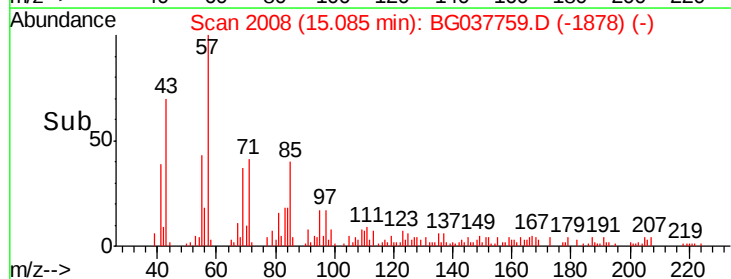
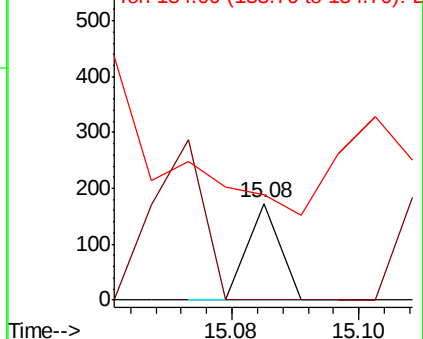
184 100

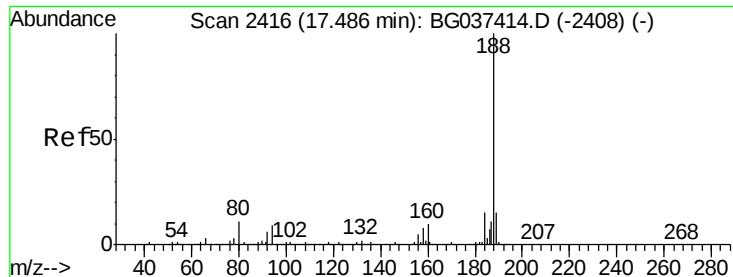
63 0.0 42.6 63.8#

154 109.2 41.8 62.6#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

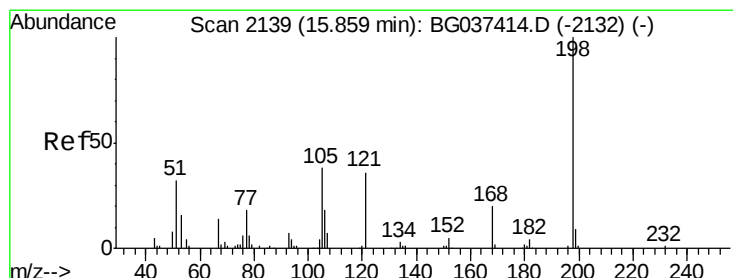
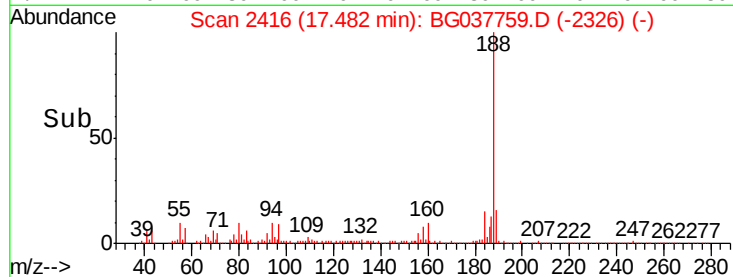
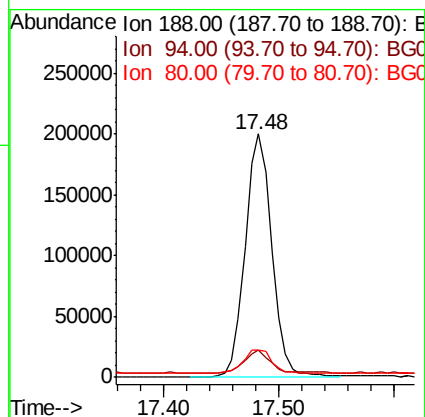
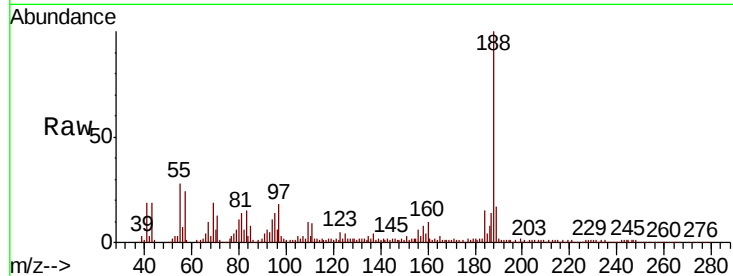




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037759.D
Acq: 2 Nov 2018 18:00

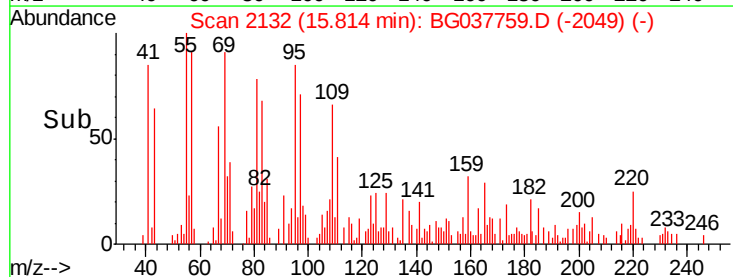
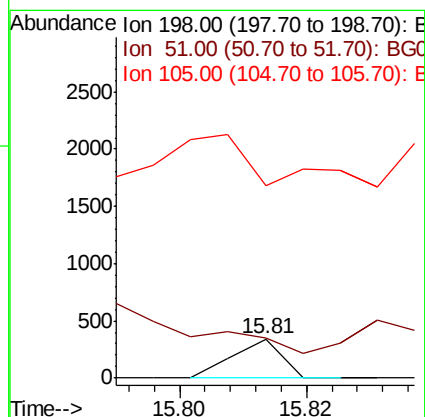
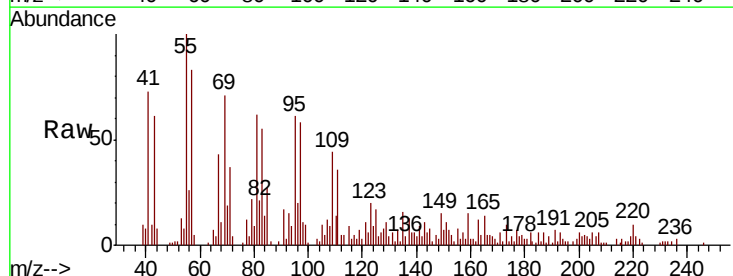
Instrument :
BNA_G
ClientSampleId :
OILY-GRAVEL

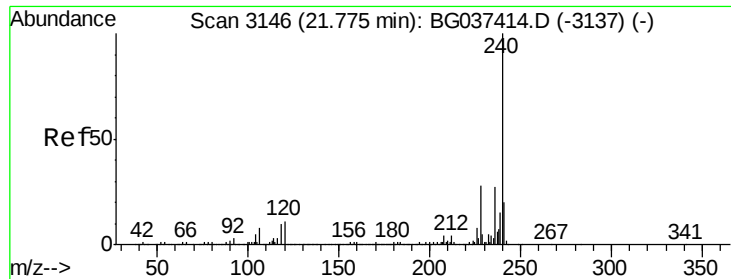
Tot Ion:188 Resp: 316654
Ion Ratio Lower Upper
188 100
94 11.3 7.2 10.8#
80 11.2 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.598 ng
RT: 15.81 min Scan# 2132
Delta R.T. -0.04 min
Lab File: BG037759.D
Acq: 2 Nov 2018 18:00

Tgt Ion:198 Resp: 182
Ion Ratio Lower Upper
198 100
51 101.2 22.7 62.7#
105 488.7 19.7 59.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

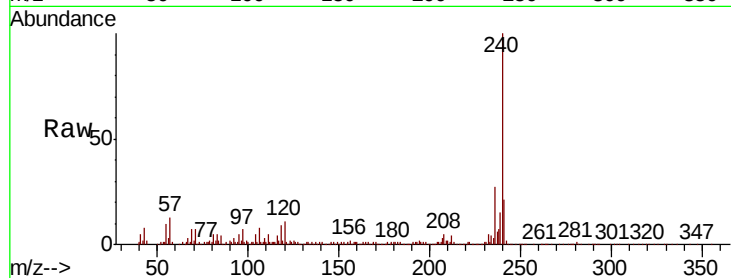
Tot Ion:240 Resp: 298475

Ion Ratio Lower Upper

240 100

120 11.3 8.1 12.1

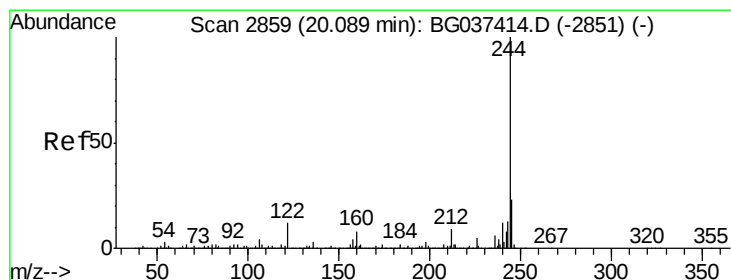
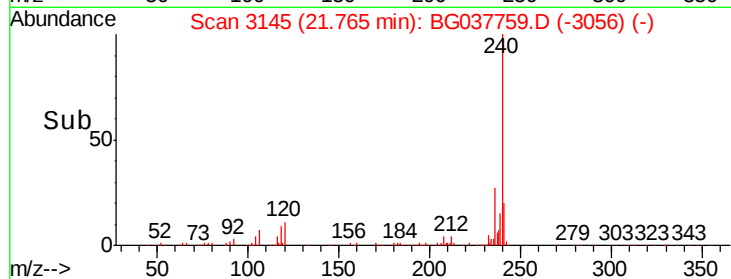
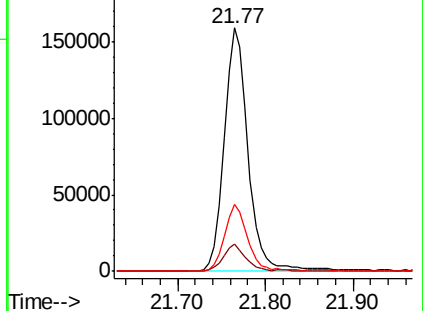
236 27.3 21.4 32.0



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



#79

Terphenyl-d14

Concen: 68.275 ng

RT: 20.08 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037759.D

Acq: 2 Nov 2018 18:00

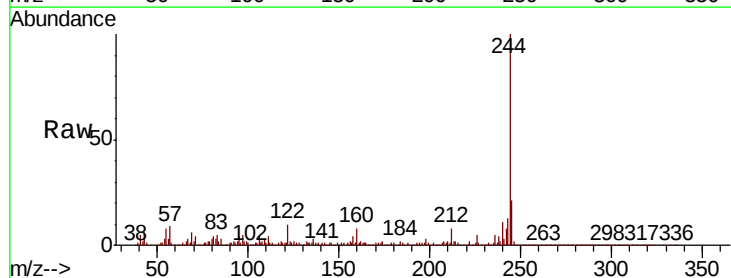
Tgt Ion:244 Resp: 953703

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

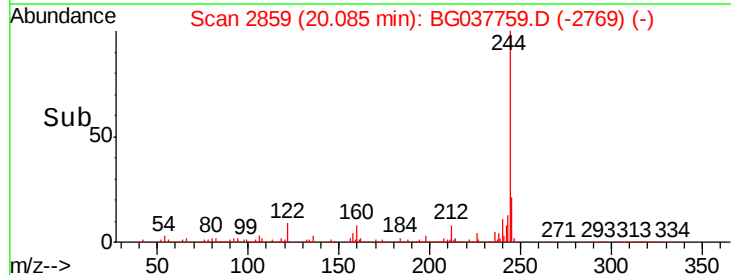
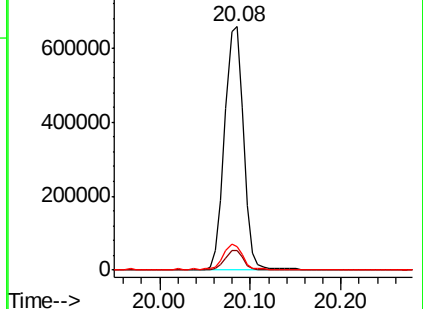
122 9.9 9.0 13.4

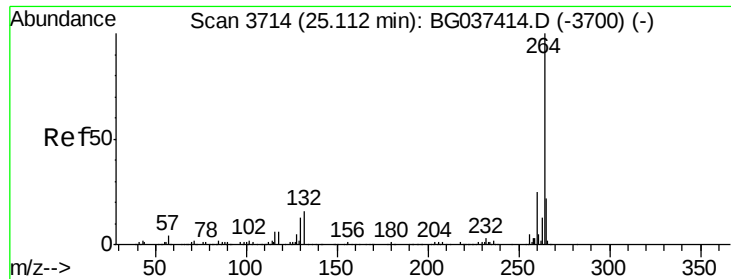


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3712
Delta R.T. -0.02 min
Lab File: BG037759.D
Acq: 2 Nov 2018 18:00

Instrument :
BNA_G
ClientSampleId :
OILY-GRAVEL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.2	27.4
265	21.0	17.9	26.9

