

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
 Data File : BG037553.D
 Acq On : 25 Oct 2018 20:16
 Operator : JU/SJ
 Sample : J5639-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BS-SOIL-3

Quant Time: Oct 26 08:06:08 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	54748	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	244719	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	166635	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	386496	20.00	ng	0.00
76) Chrysene-d12	21.76	240	346871	20.00	ng	-0.01
87) Perylene-d12	25.10	264	357945	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	489711	149.54	ng	0.00
7) Phenol-d6	7.25	99	713875	144.17	ng	0.00
23) Nitrobenzene-d5	9.28	82	414703	94.93	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	259003	142.51	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	850451	76.96	ng	0.00
79) Terphenyl-d14	20.08	244	1185819	73.05	ng	0.00

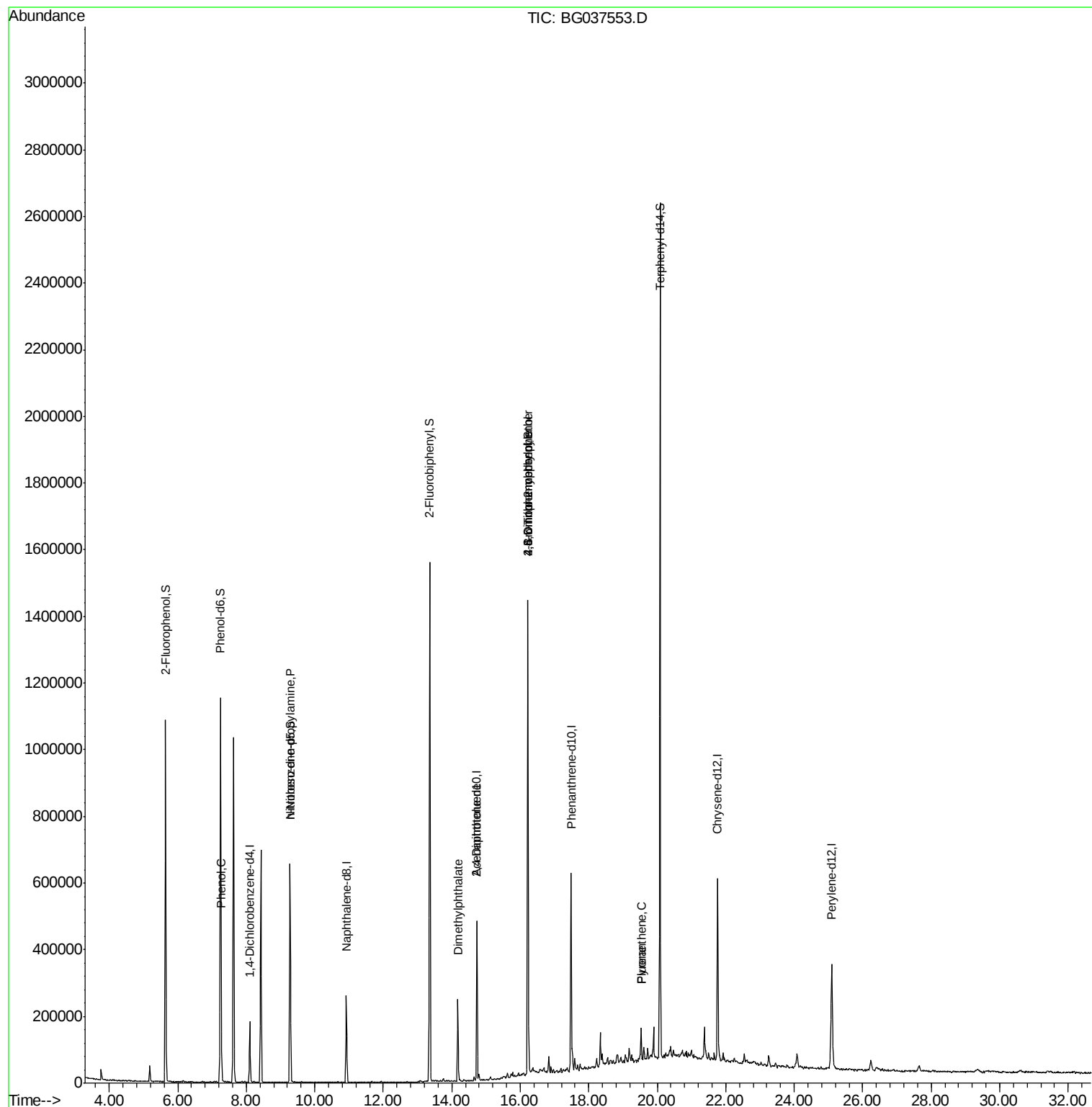
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.27	94	73840	14.133	ng	95
19) n-Nitroso-di-n-propylamine	9.28	70	52370	15.359	ng	# 72
50) Dimethylphthalate	14.18	163	174197	13.513	ng	99
57) 2,4-Dinitrotoluene	14.73	165	21733	5.806	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	611	8.755	ng	97
67) 4-Bromophenyl-phenylether	16.22	248	18632	4.390	ng	# 1
75) Fluoranthene	19.53	202	59807	2.684	ng	96
78) Pyrene	19.53	202	59807	2.638	ng	97

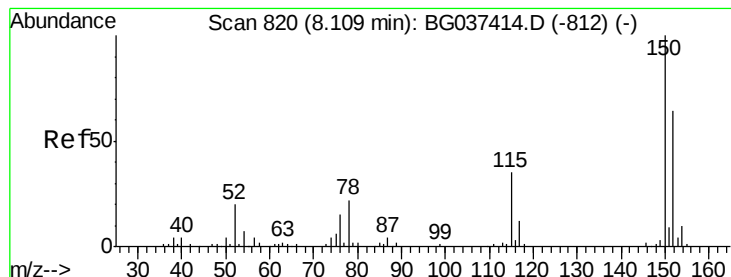
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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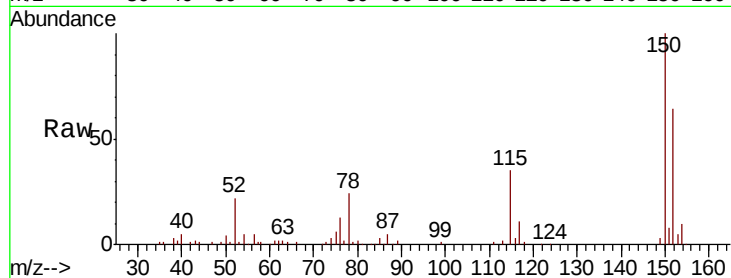


#1

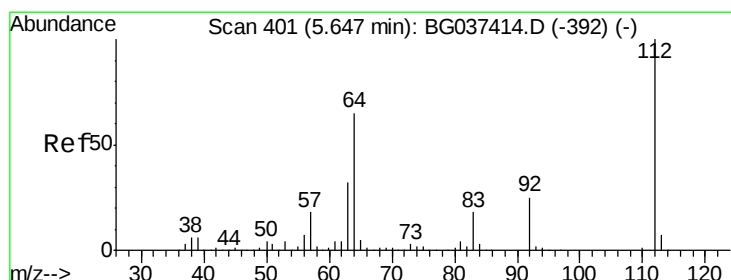
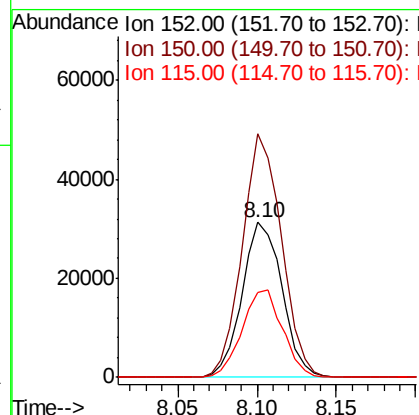
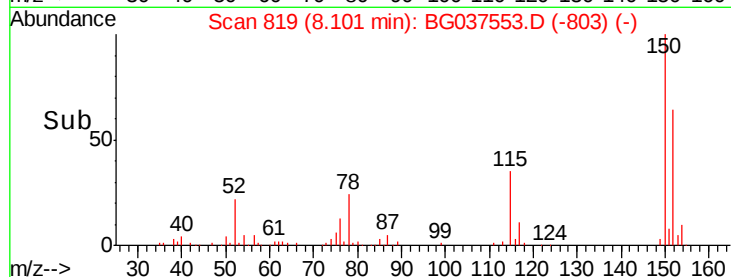
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037553.D
Acq: 25 Oct 2018 20:16

Instrument :
BNA_G
ClientSampleId :
BS-SOIL-3

Tot Ion:152 Resp: 54748
Ion Ratio Lower Upper
152 100
150 157.0 126.0 189.0
115 55.0 45.5 68.3



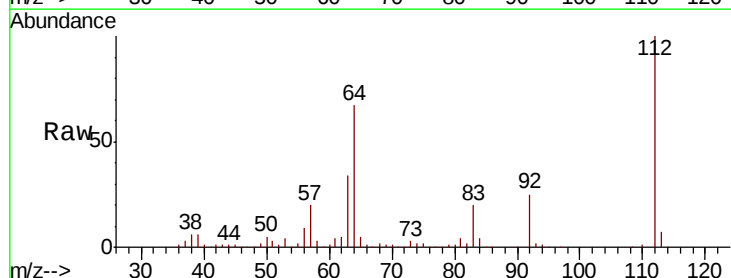
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



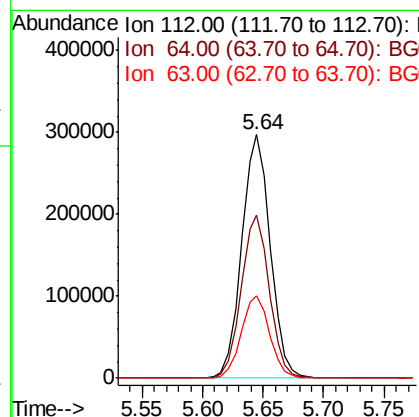
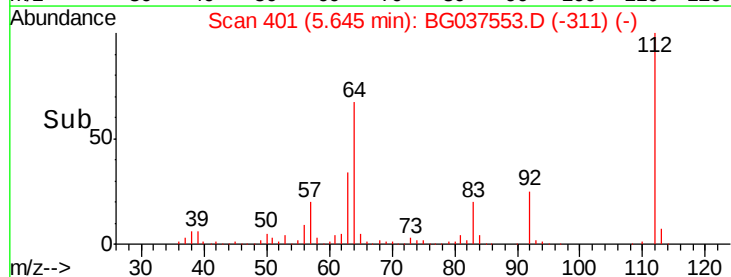
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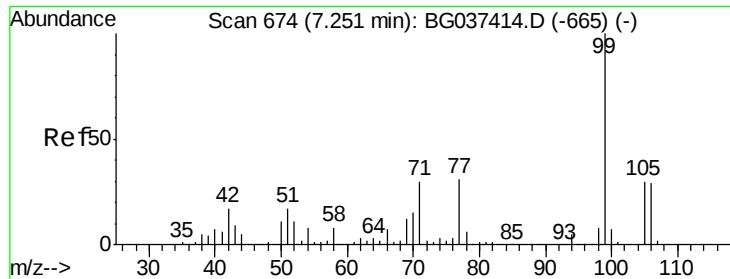
2-Fluorophenol
Concen: 149.544 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037553.D
Acq: 25 Oct 2018 20:16

Tgt Ion:112 Resp: 489711
Ion Ratio Lower Upper
112 100
64 66.9 53.1 79.7
63 33.6 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: 144.167 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

Instrument :

BNA_G

ClientSampled :

BS-SOIL-3

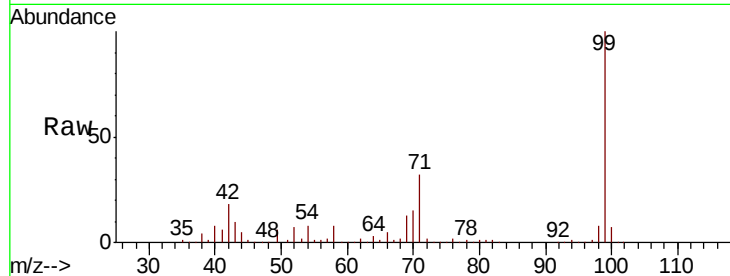
Tot Ion: 99 Resp: 713875

Ion Ratio Lower Upper

99 100

42 18.4 15.0 22.4

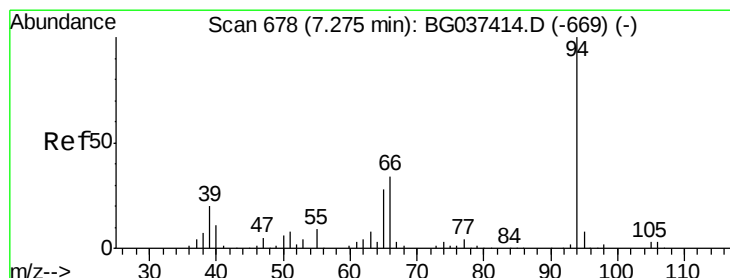
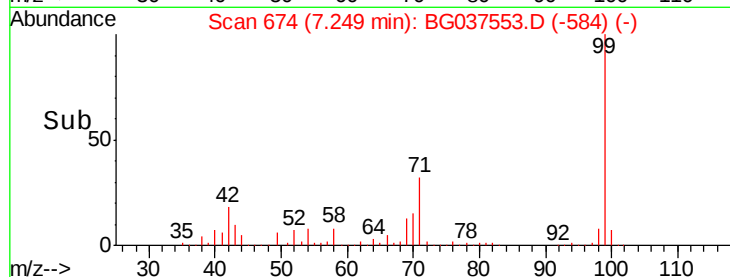
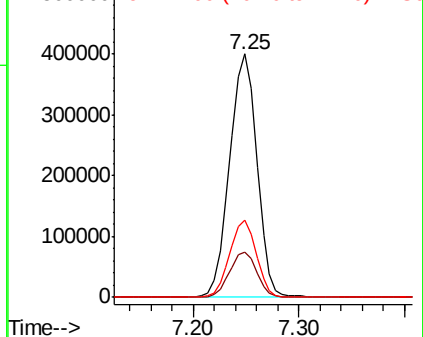
71 31.8 25.5 38.3



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: 14.133 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

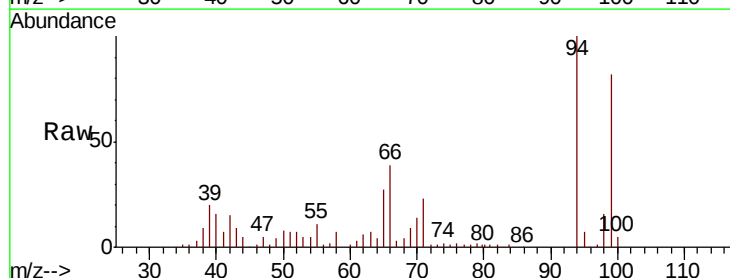
Tgt Ion: 94 Resp: 73840

Ion Ratio Lower Upper

94 100

65 27.3 9.7 49.7

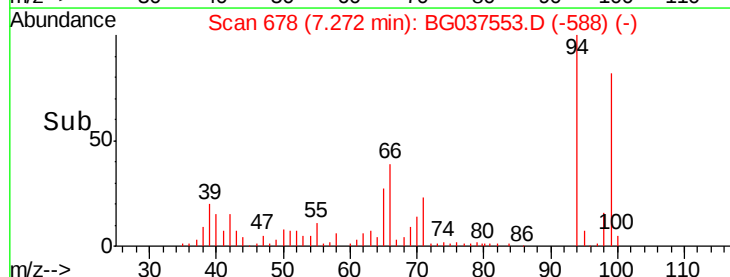
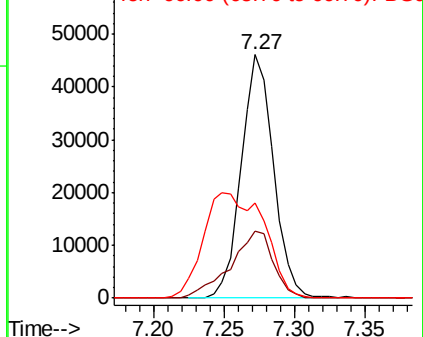
66 39.2 15.9 55.9

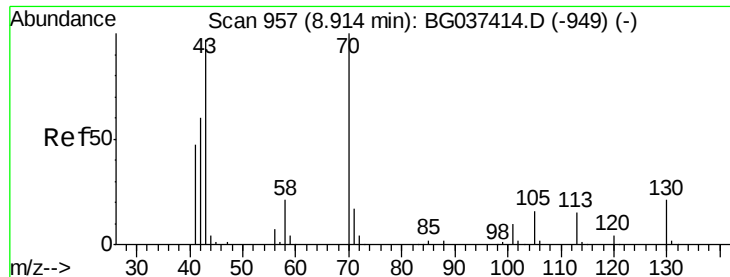


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

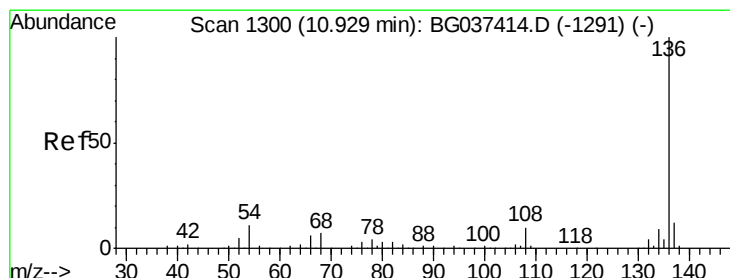
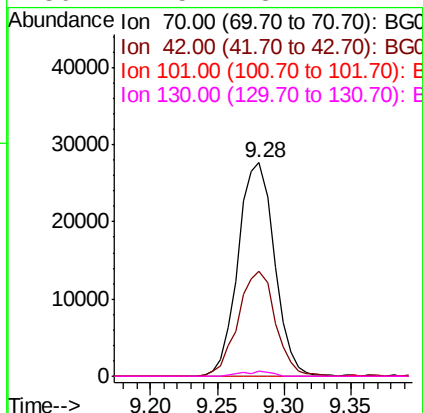
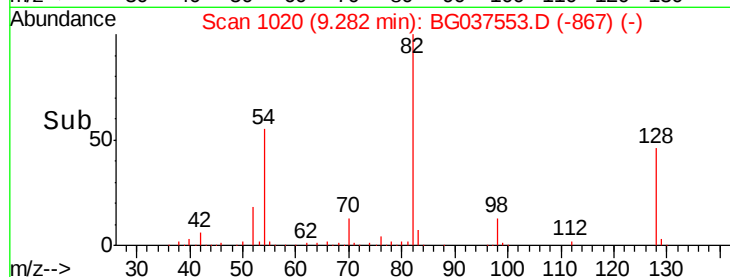
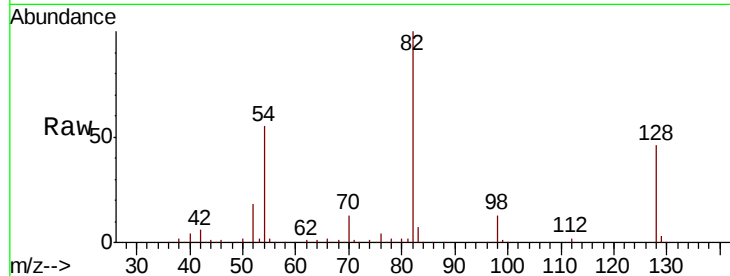




#19
n-Nitroso-di-n-propylamine
Concen: 15.359 ng
RT: 9.28 min Scan# 1020
Delta R.T. 0.37 min
Lab File: BG037553.D
Acq: 25 Oct 2018 20:16

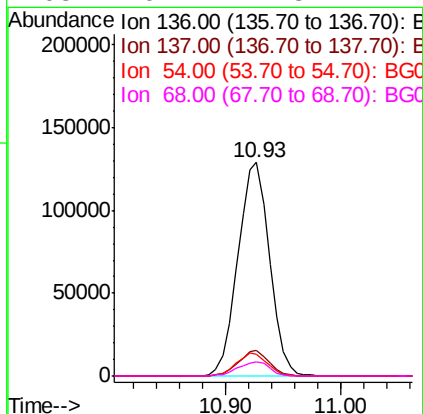
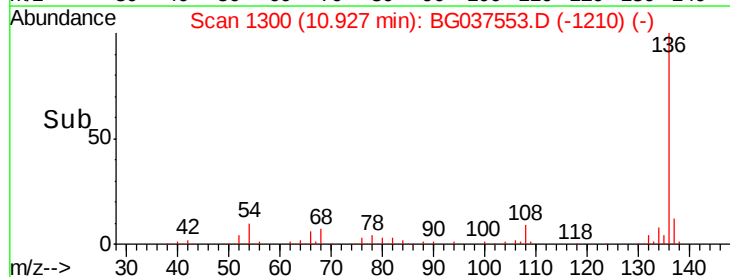
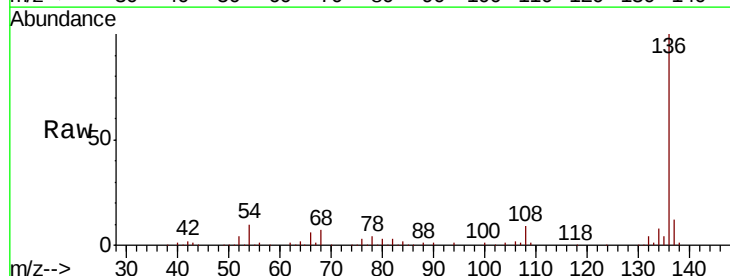
Instrument :
BNA_G
ClientSampleId :
BS-SOIL-3

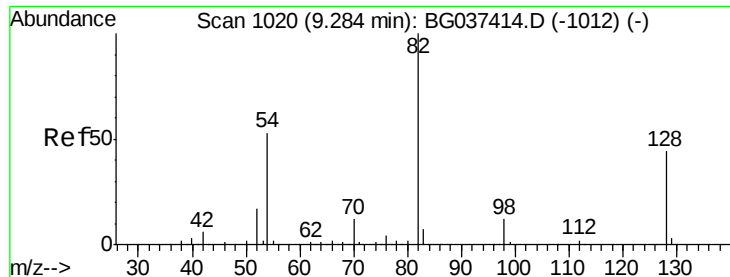
Tot Ion: 70 Resp: 52370
Ion Ratio Lower Upper
70 100
42 49.0 53.9 80.9#
101 0.0 8.2 12.2#
130 2.5 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037553.D
Acq: 25 Oct 2018 20:16

Tgt Ion: 136 Resp: 244719
Ion Ratio Lower Upper
136 100
137 11.8 9.6 14.4
54 10.3 7.9 11.9
68 6.7 4.8 7.2

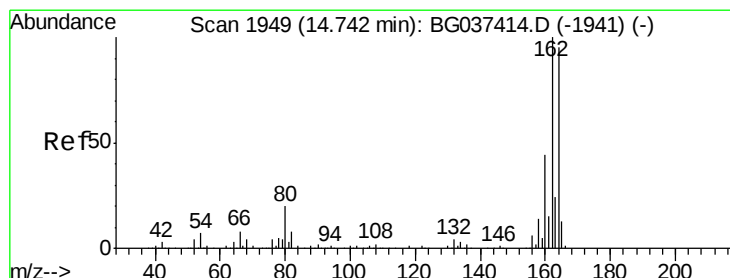
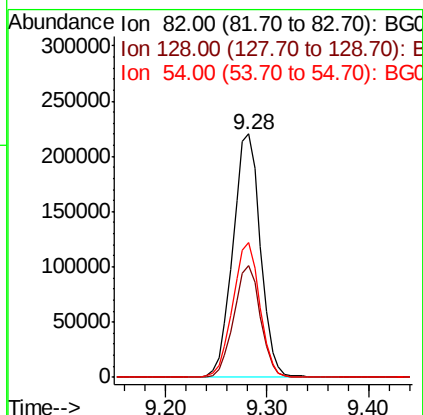
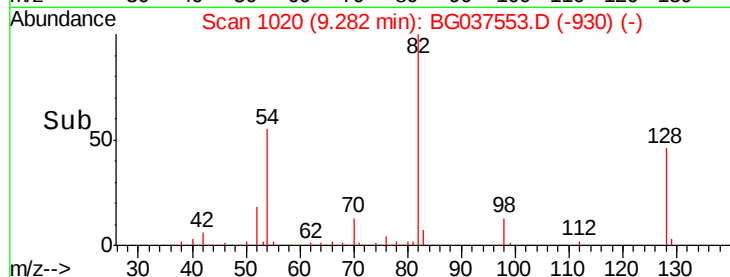
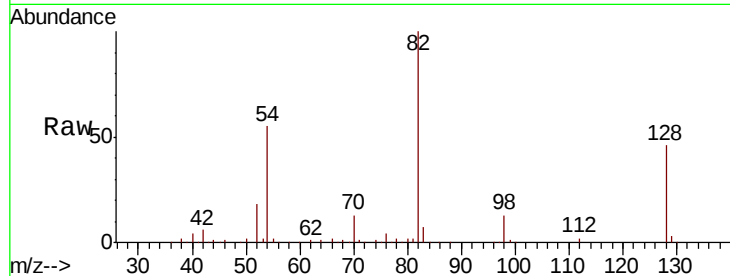




#23
 Nitrobenzene-d5
 Concen: 94.930 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037553.D
 Acq: 25 Oct 2018 20:16

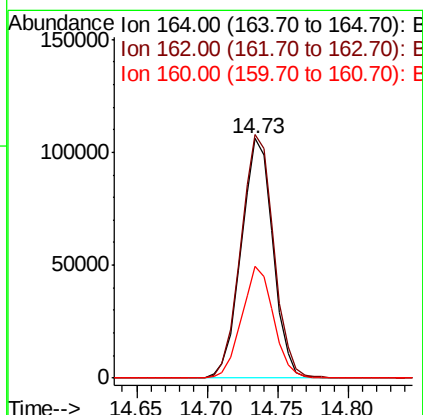
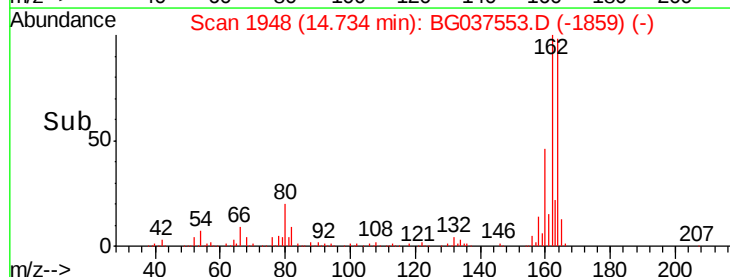
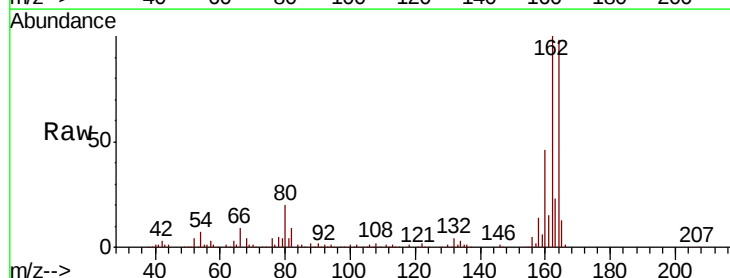
Instrument :
 BNA_G
 ClientSampleID :
 BS-SOIL-3

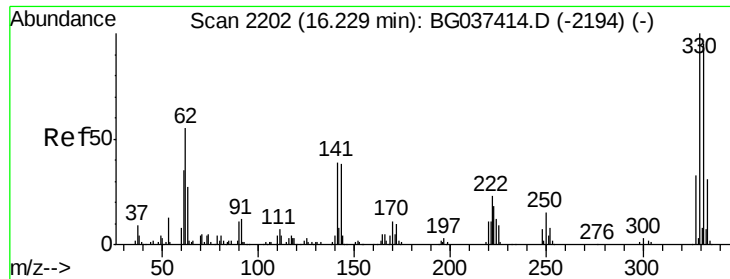
Tot Ion	82	Resp	414703
Ion Ratio	100	Lower	Upper
128	46.1	34.6	51.8
54	55.5	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037553.D
 Acq: 25 Oct 2018 20:16

Tgt Ion	164	Resp	166635
Ion Ratio	100	Lower	Upper
162	101.6	81.3	121.9
160	46.5	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 142.507 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-3

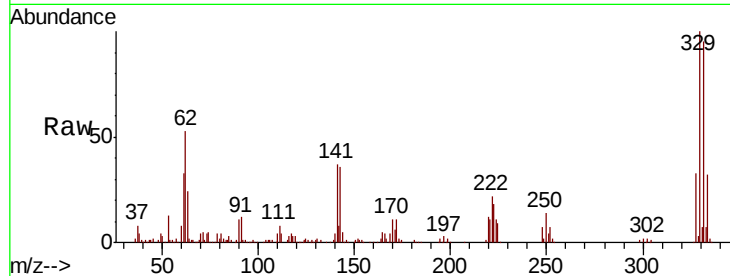
Tot Ion:330 Resp: 259003

Ion Ratio Lower Upper

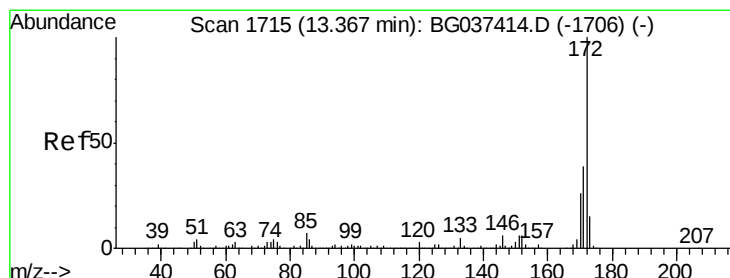
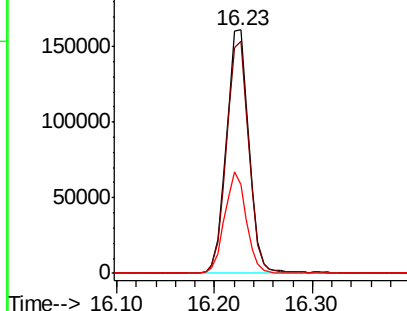
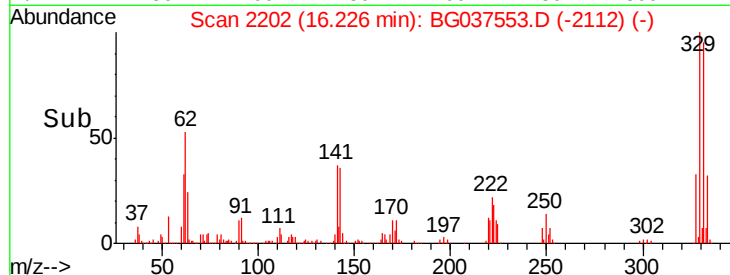
330 100

332 94.6 78.4 117.6

141 40.1 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: 76.961 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

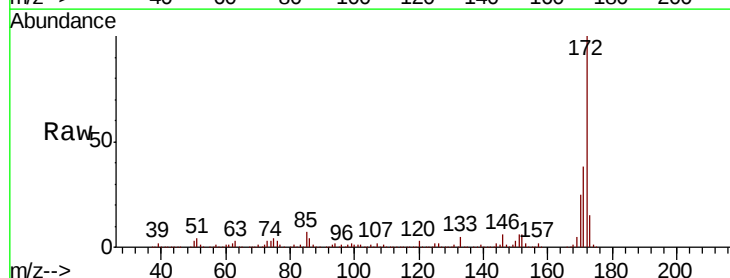
Tgt Ion:172 Resp: 850451

Ion Ratio Lower Upper

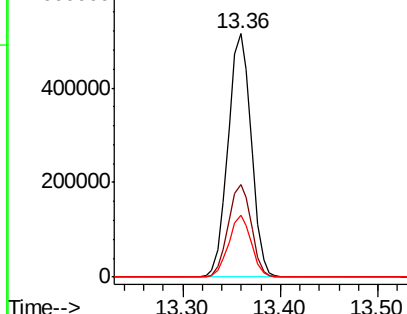
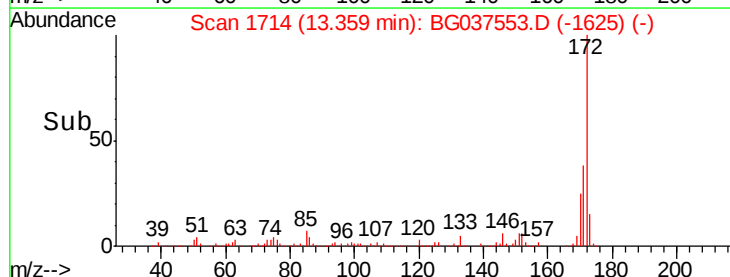
172 100

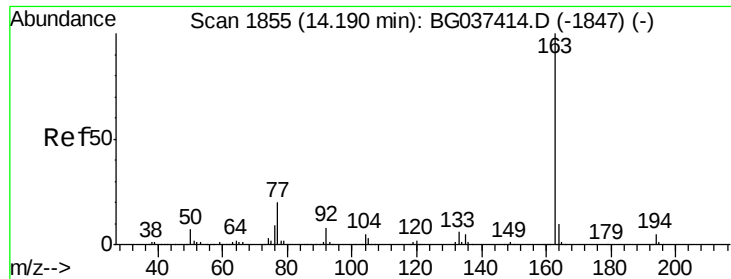
171 38.0 31.0 46.4

170 25.5 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: 13.513 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-3

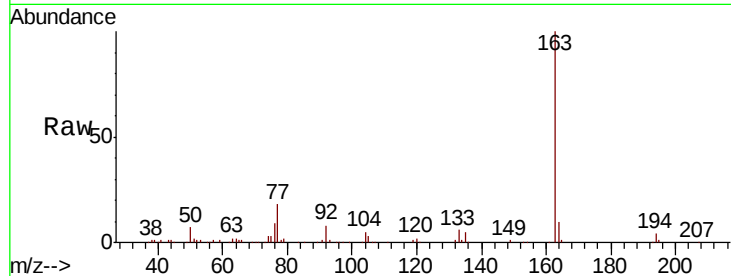
Tot Ion:163 Resp: 174197

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

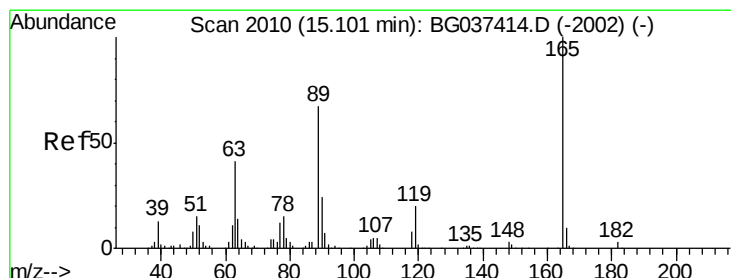
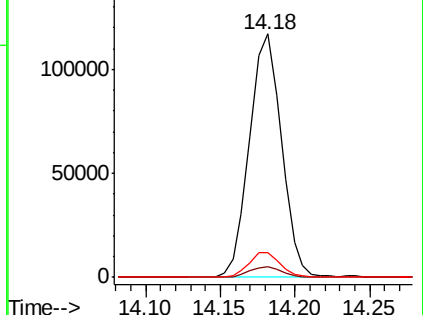
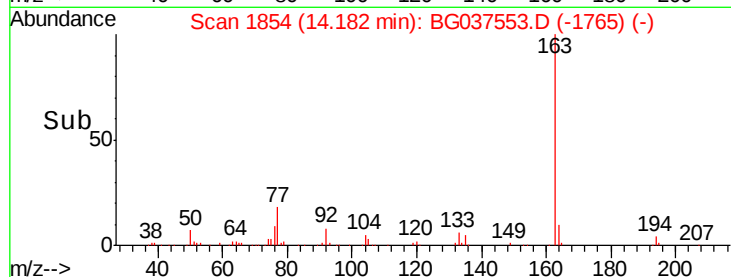
164 10.0 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 5.806 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.37 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

Tgt Ion:165 Resp: 21733

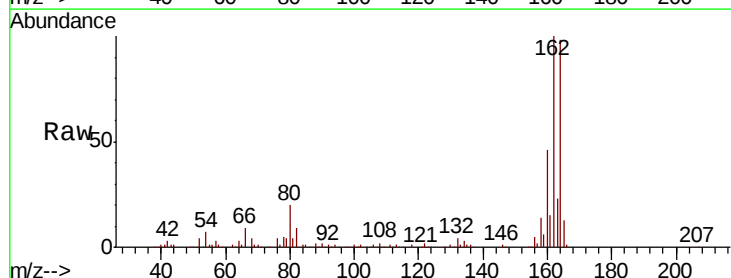
Ion Ratio Lower Upper

165 100

63 1.2 33.4 50.0#

89 1.9 57.2 85.8#

182 0.0 2.6 4.0#

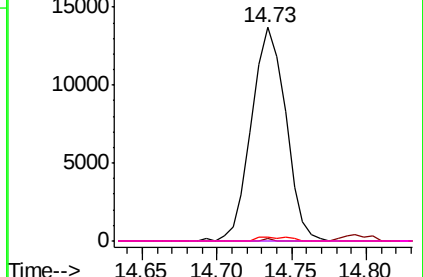
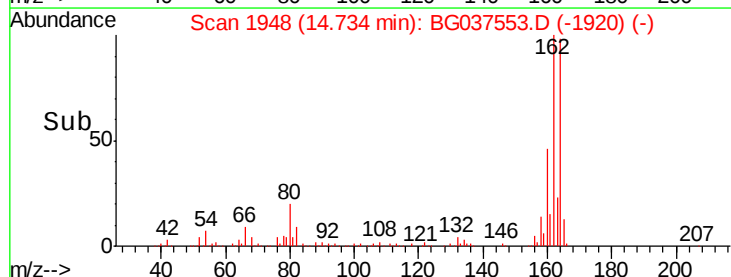


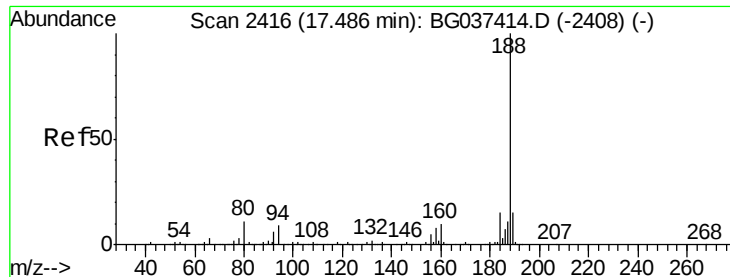
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-3

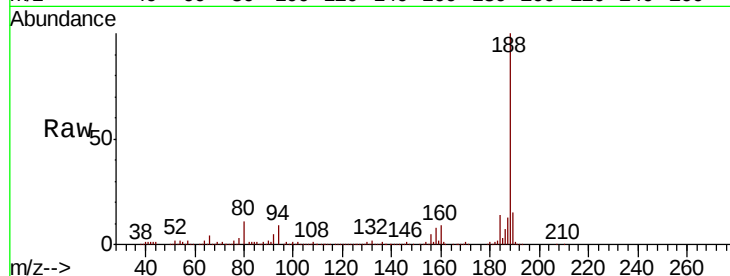
Tot Ion:188 Resp: 386496

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

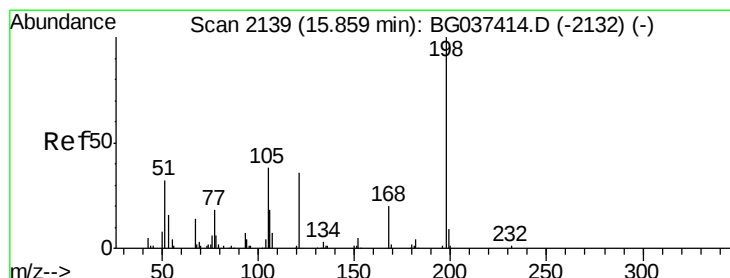
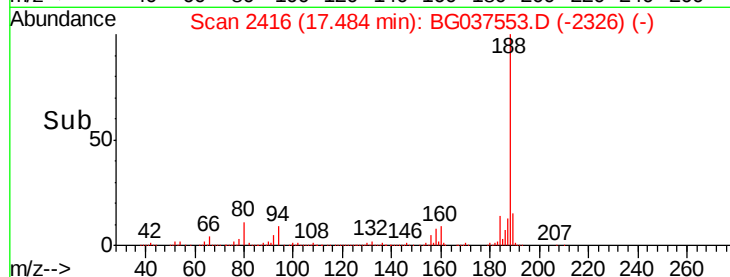
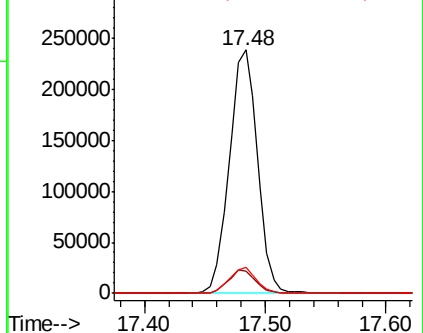
80 10.5 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.755 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

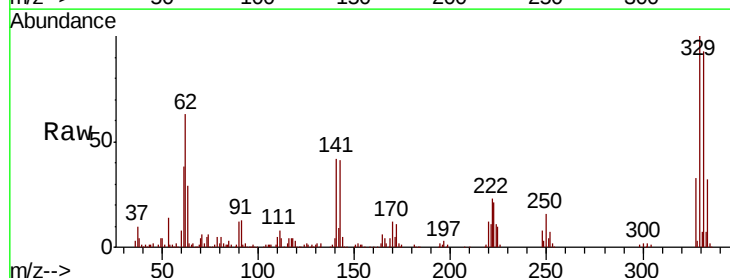
Tgt Ion:198 Resp: 611

Ion Ratio Lower Upper

198 100

51 44.4 22.7 62.7

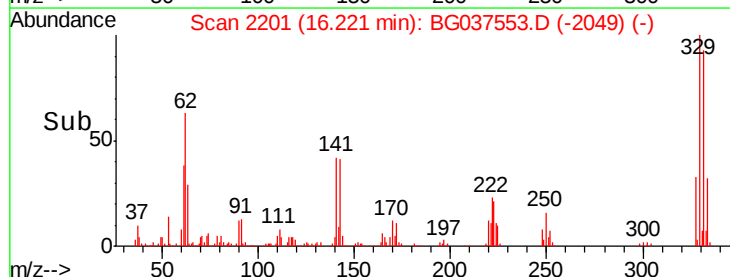
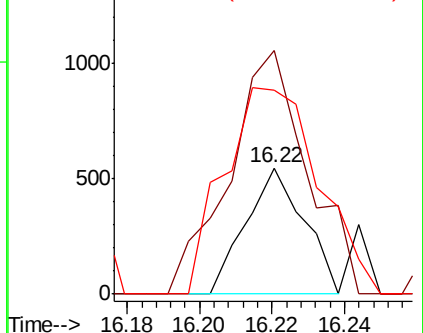
105 37.2 19.7 59.7

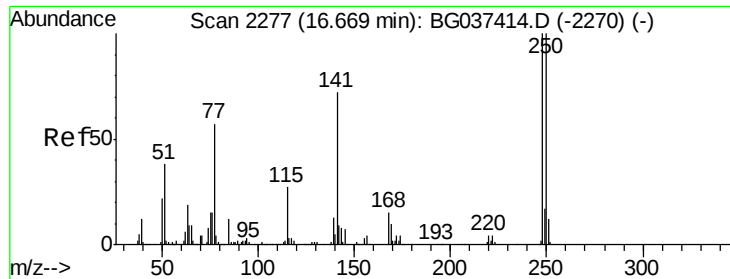


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

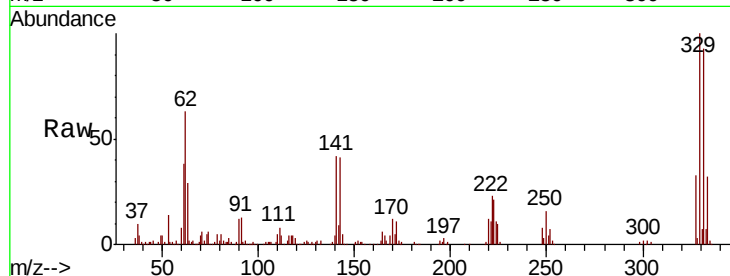




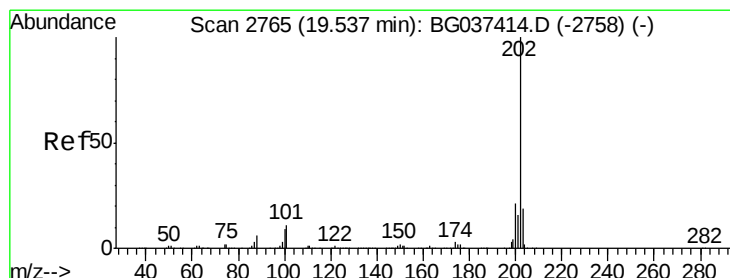
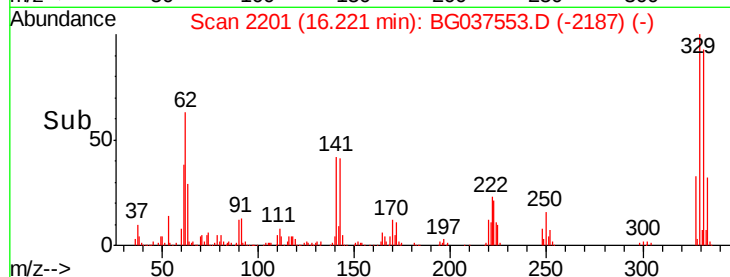
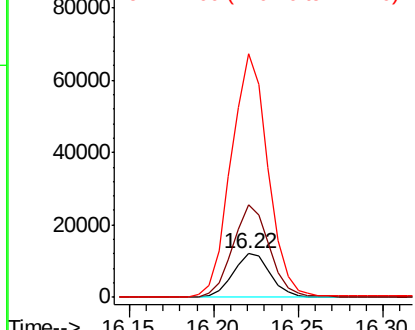
#67
4-Bromophenyl-phenylether
Concen: 4.390 ng
RT: 16.22 min Scan# 2201
Delta R.T. -0.45 min
Lab File: BG037553.D
Acq: 25 Oct 2018 20:16

Instrument :
BNA_G
ClientSampleId :
BS-SOIL-3

Tot Ion:248 Resp: 18632
Ion Ratio Lower Upper
248 100
250 201.9 77.0 115.6#
141 415.5 55.5 83.3#

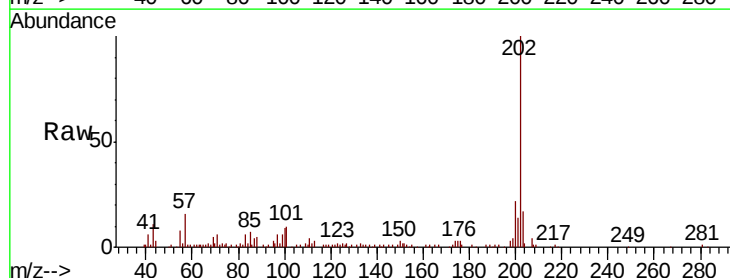


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

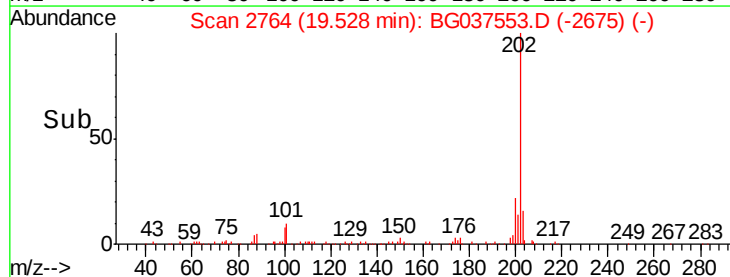
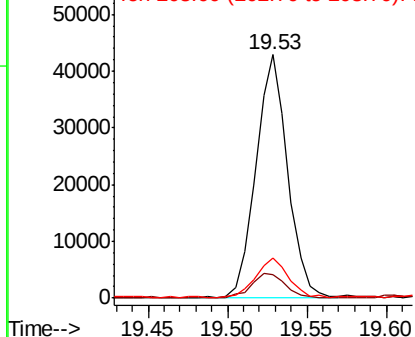


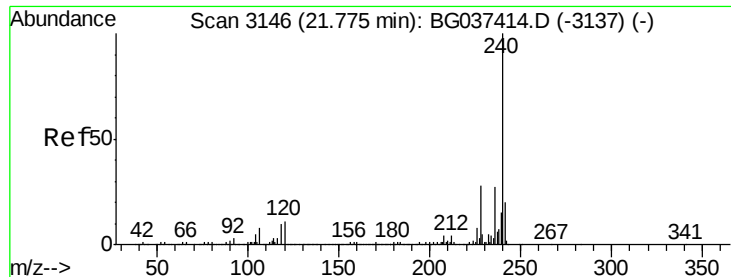
#75
Fluoranthene
Concen: 2.684 ng
RT: 19.53 min Scan# 2764
Delta R.T. -0.01 min
Lab File: BG037553.D
Acq: 25 Oct 2018 20:16

Tgt Ion:202 Resp: 59807
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 16.6 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-3

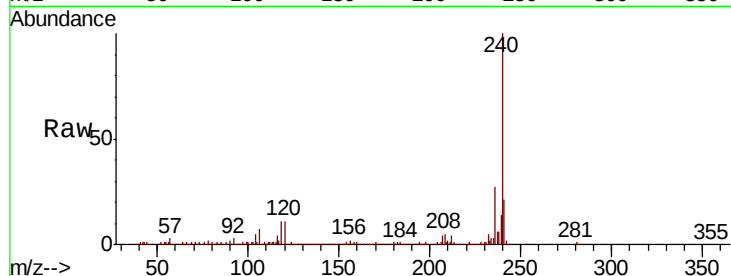
Tot Ion:240 Resp: 346871

Ion Ratio Lower Upper

240 100

120 11.2 8.1 12.1

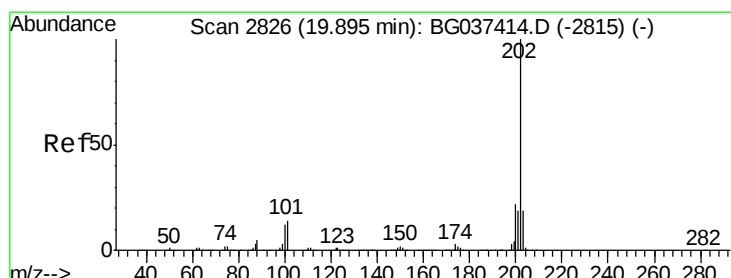
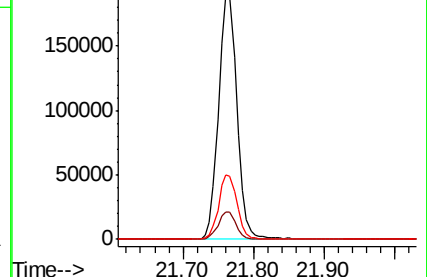
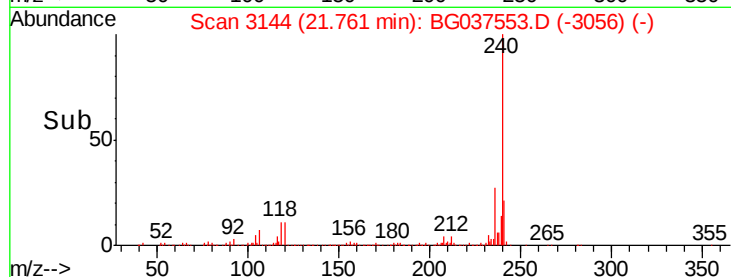
236 26.5 21.4 32.0



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



#78

Pyrene

Concen: 2.638 ng

RT: 19.53 min Scan# 2764

Delta R.T. -0.37 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

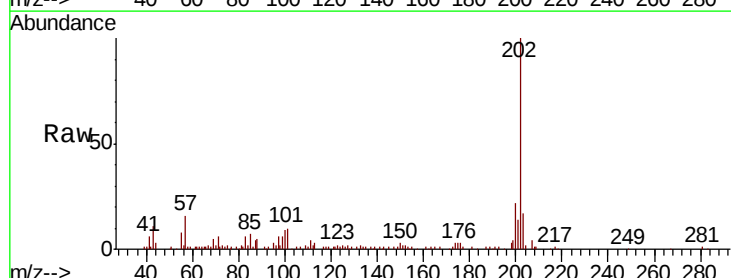
Tgt Ion:202 Resp: 59807

Ion Ratio Lower Upper

202 100

200 22.0 17.8 26.6

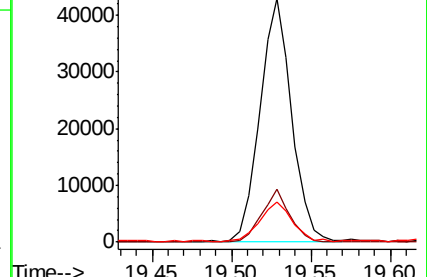
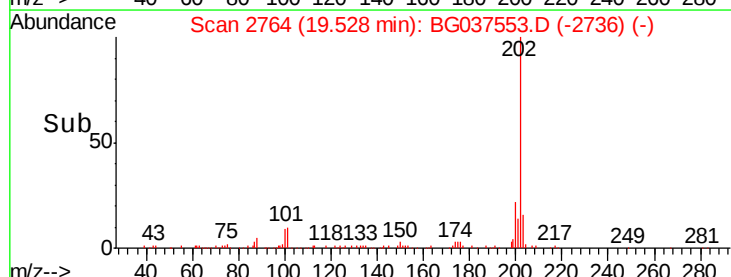
203 16.6 15.2 22.8

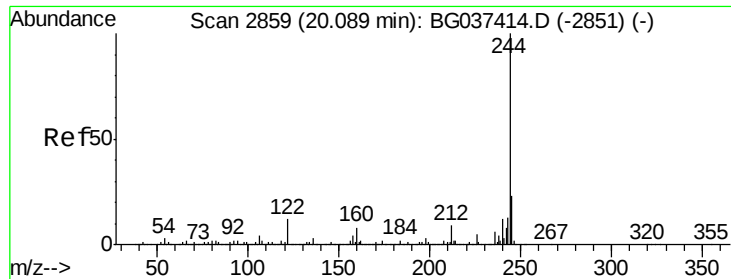


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.048 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-3

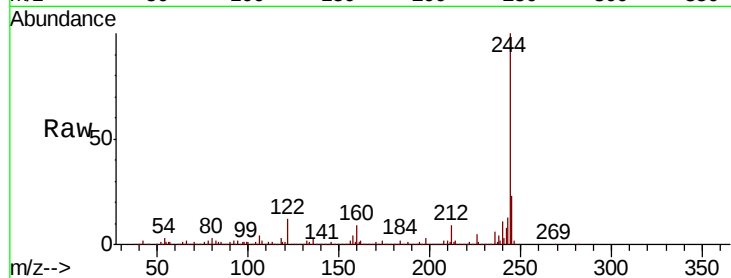
Tot Ion:244 Resp: 1185819

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

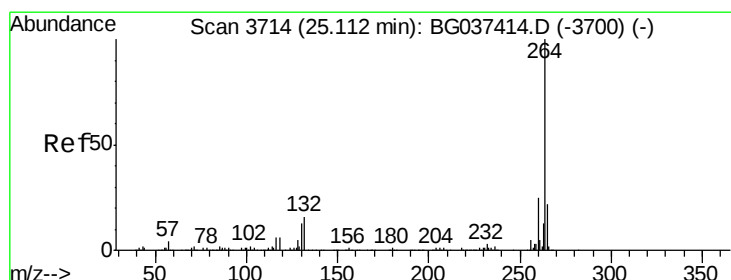
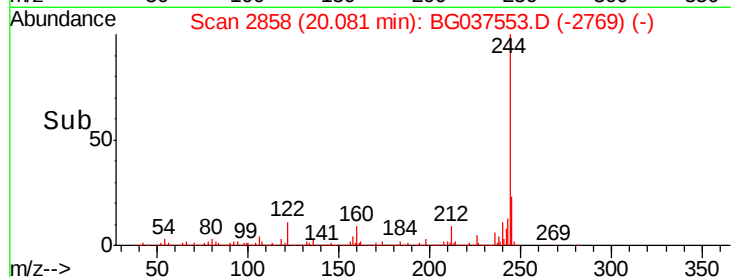
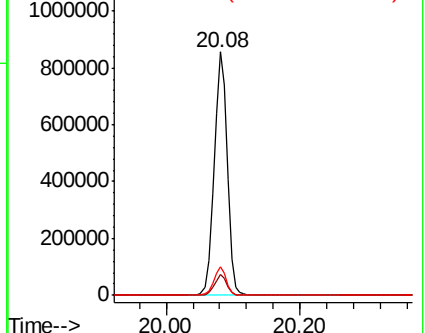
122 11.5 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037553.D

Acq: 25 Oct 2018 20:16

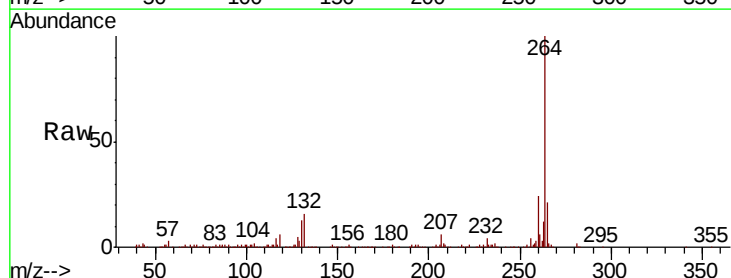
Tgt Ion:264 Resp: 357945

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 21.0 17.9 26.9



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

