

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
 Data File : BG037552.D
 Acq On : 25 Oct 2018 19:37
 Operator : JU/SJ
 Sample : J5639-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BS-SOIL-2

Quant Time: Oct 26 08:05:56 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	56424	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	260611	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	174983	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	389159	20.00	ng	0.00
76) Chrysene-d12	21.76	240	351530	20.00	ng	-0.01
87) Perylene-d12	25.10	264	370588	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	542593	160.77	ng	0.00
7) Phenol-d6	7.25	99	796272	156.03	ng	0.00
23) Nitrobenzene-d5	9.28	82	467829	100.56	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	286259	149.99	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	975012	84.02	ng	0.00
79) Terphenyl-d14	20.08	244	1290472	78.44	ng	0.00

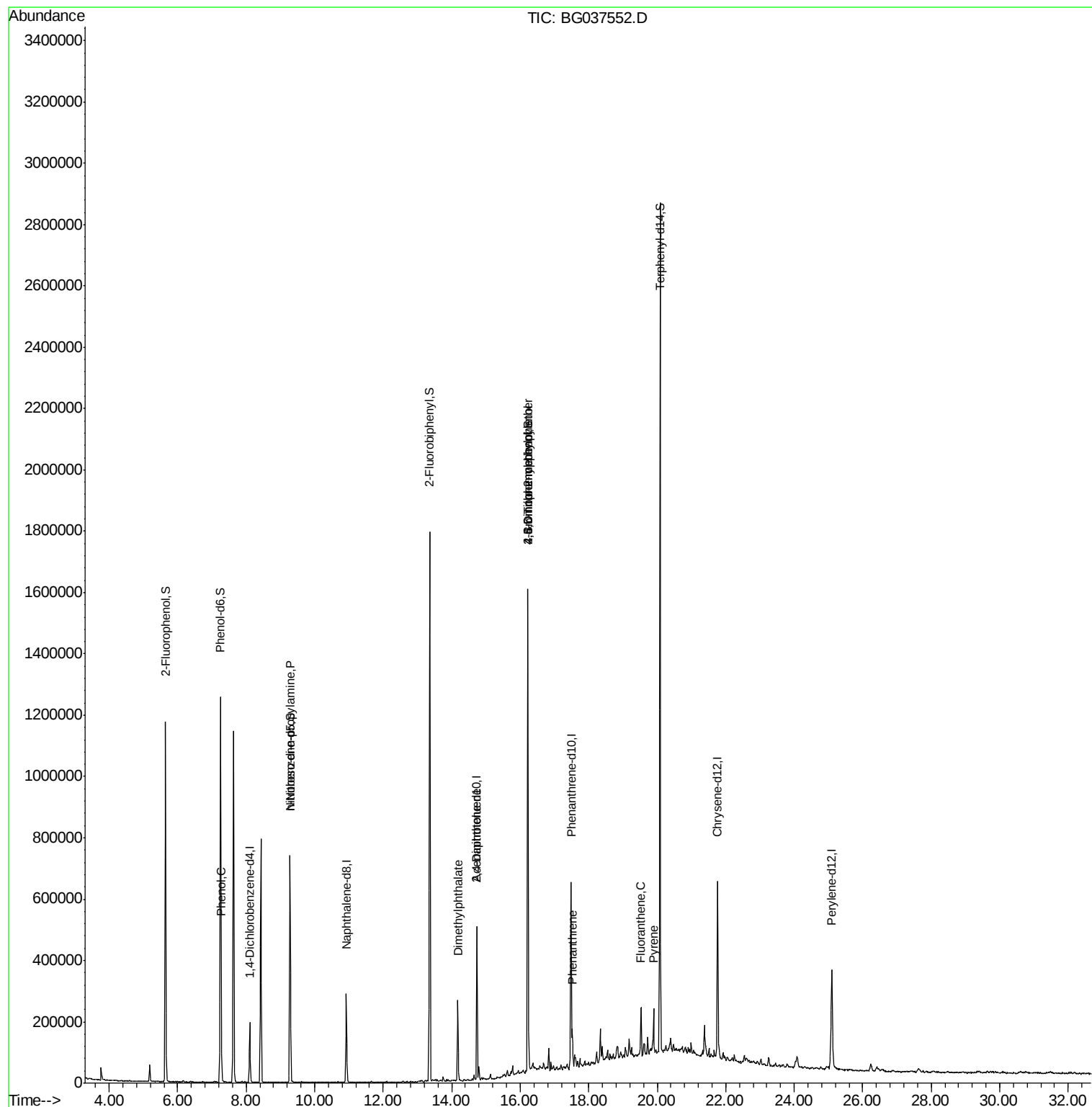
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.27	94	78626	14.602	ng	97
19) n-Nitroso-di-n-propylamine	9.28	70	59151	16.832	ng	# 74
50) Dimethylphthalate	14.18	163	192041	14.186	ng	98
57) 2,4-Dinitrotoluene	14.74	165	22755	5.789	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	1069	8.938	ng	# 79
67) 4-Bromophenyl-phenylether	16.22	248	20196	4.726	ng	# 1
71) Phenanthrene	17.53	178	57883	2.927	ng	98
75) Fluoranthene	19.52	202	101486	4.524	ng	98
78) Pyrene	19.89	202	73781	3.211	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
Data File : BG037552.D
Acq On : 25 Oct 2018 19:37
Operator : JU/SJ
Sample : J5639-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BS-SOIL-2

Quant Time: Oct 26 08:05:56 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



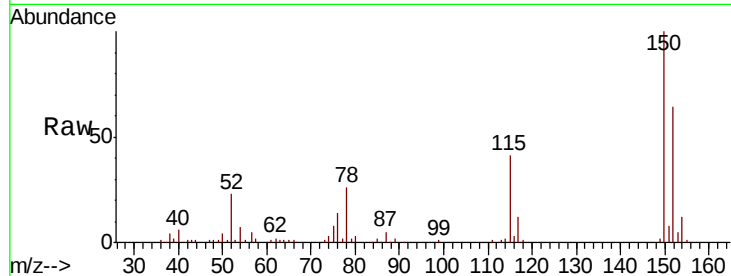


#1

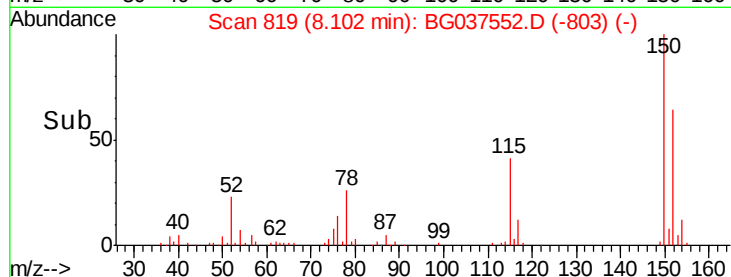
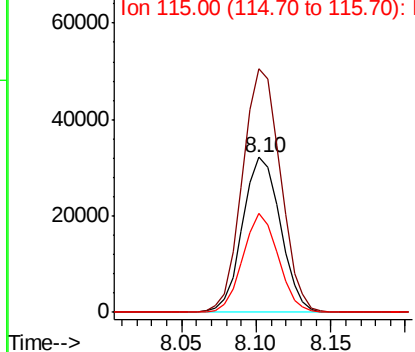
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037552.D
Acq: 25 Oct 2018 19:37

Instrument :
BNA_G
ClientSampleId :
BS-SOIL-2

Tot Ion:152 Resp: 56424
Ion Ratio Lower Upper
152 100
150 157.3 126.0 189.0
115 64.3 45.5 68.3



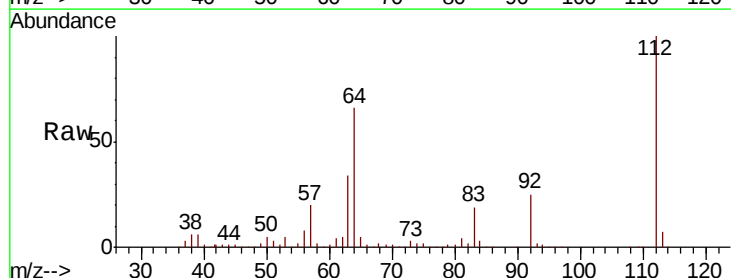
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



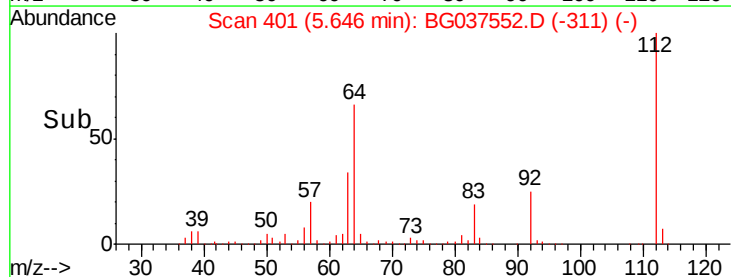
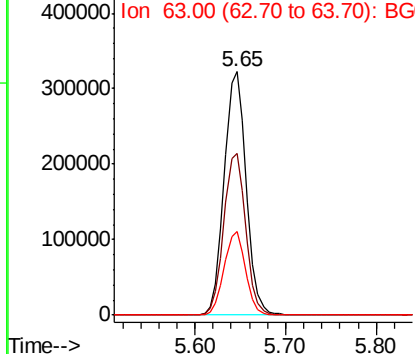
#5

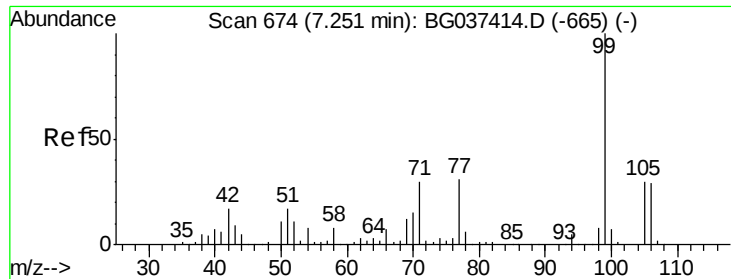
2-Fluorophenol
Concen: 160.771 ng
RT: 5.65 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037552.D
Acq: 25 Oct 2018 19:37

Tgt Ion:112 Resp: 542593
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 34.3 27.3 40.9



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: 156.030 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

Instrument :

BNA_G

ClientSampled :

BS-SOIL-2

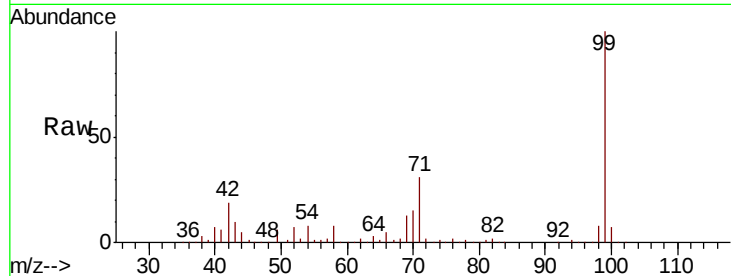
Tot Ion: 99 Resp: 796272

Ion Ratio Lower Upper

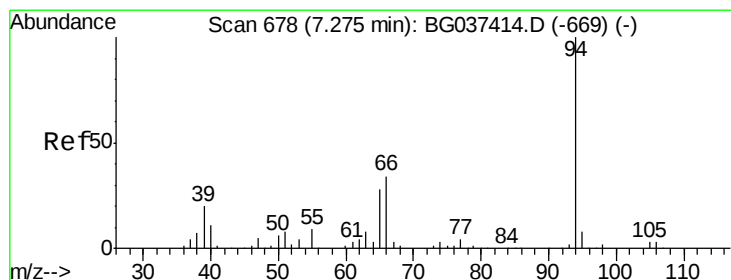
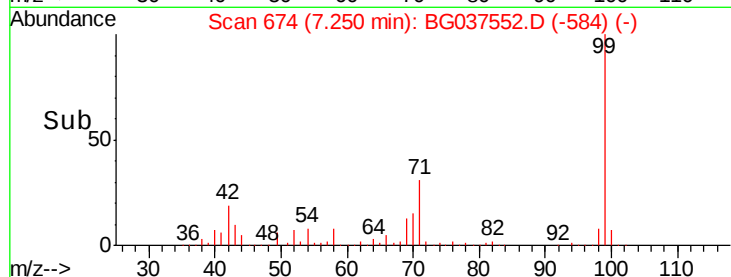
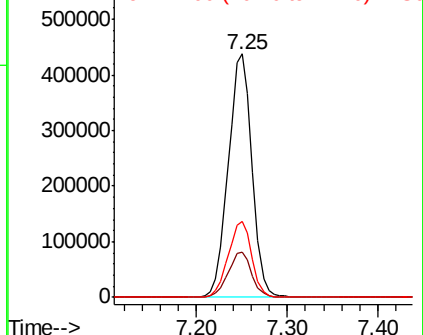
99 100

42 18.6 15.0 22.4

71 31.4 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: 14.602 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

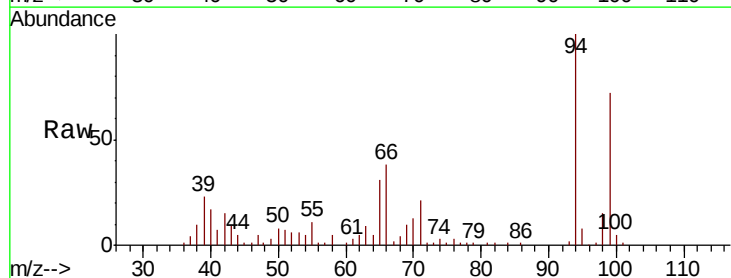
Tgt Ion: 94 Resp: 78626

Ion Ratio Lower Upper

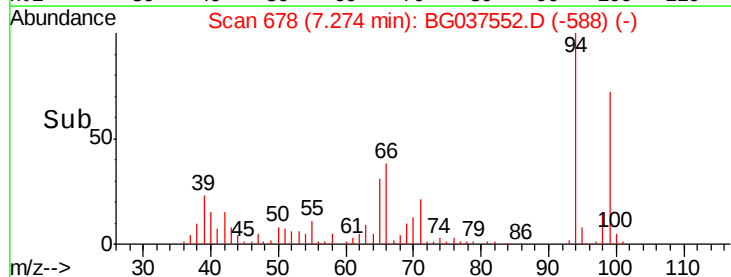
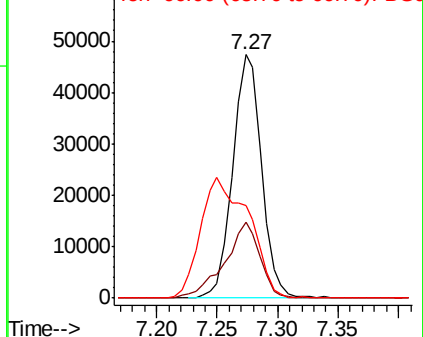
94 100

65 31.2 9.7 49.7

66 38.1 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

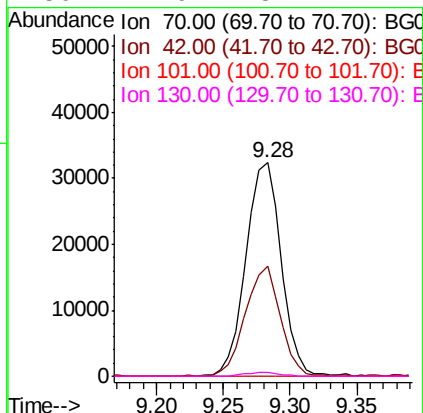
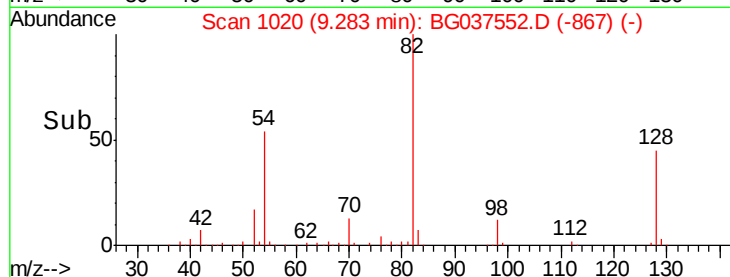
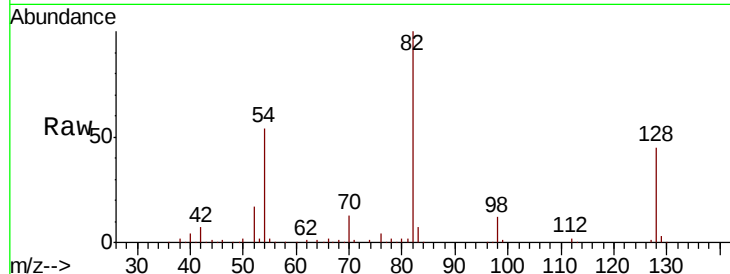




#19
n-Nitroso-di-n-propylamine
Concen: 16.832 ng
RT: 9.28 min Scan# 1020
Delta R.T. 0.37 min
Lab File: BG037552.D
Acq: 25 Oct 2018 19:37

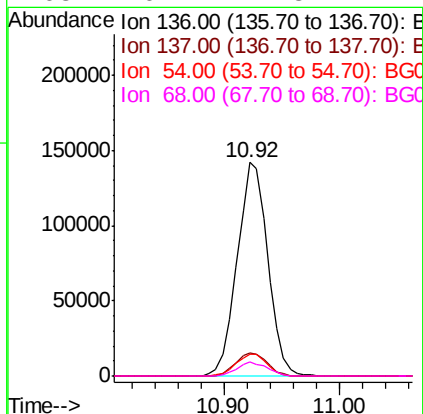
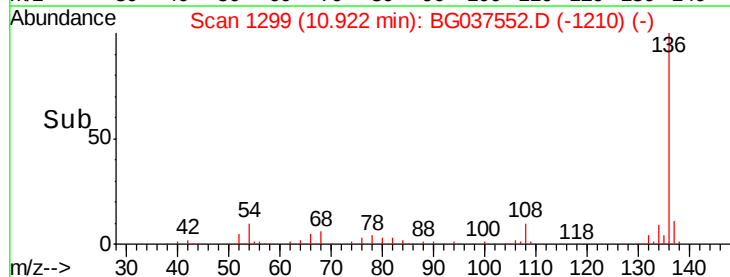
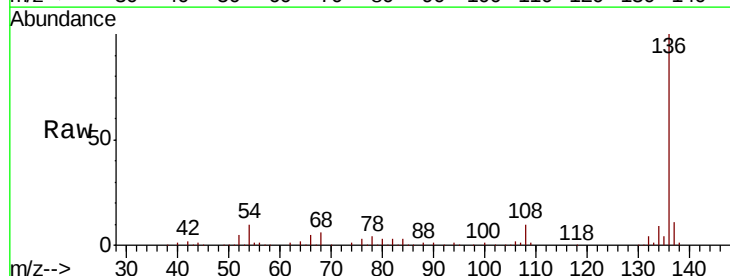
Instrument :
BNA_G
ClientSampleId :
BS-SOIL-2

Tot Ion: 70 Resp: 59151
Ion Ratio Lower Upper
70 100
42 51.8 53.9 80.9#
101 0.0 8.2 12.2#
130 1.9 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037552.D
Acq: 25 Oct 2018 19:37

Tgt Ion: 136 Resp: 260611
Ion Ratio Lower Upper
136 100
137 10.8 9.6 14.4
54 10.4 7.9 11.9
68 6.4 4.8 7.2

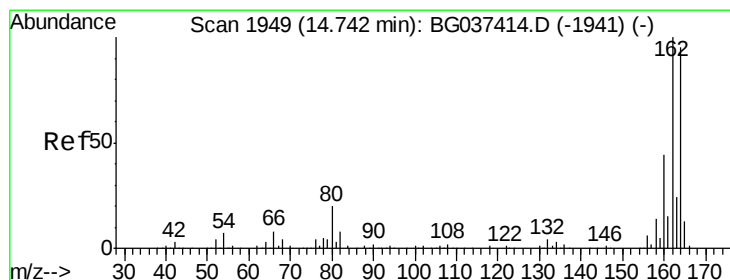
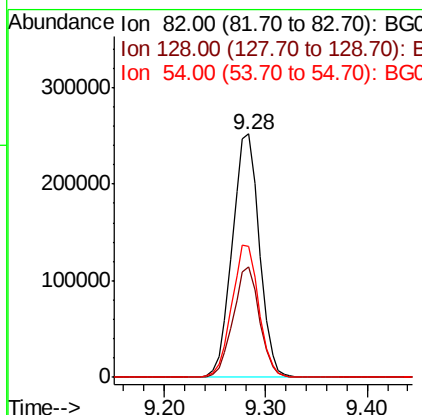
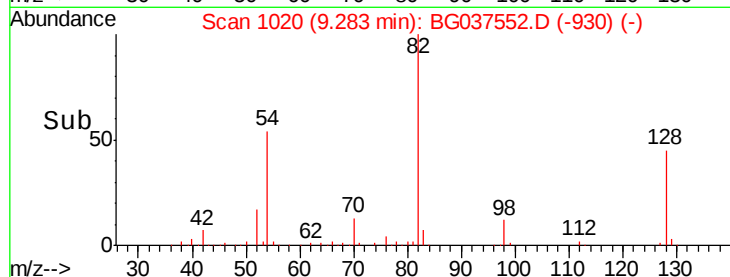
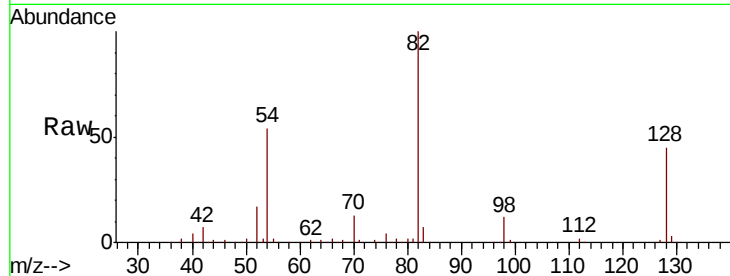




#23
 Nitrobenzene-d5
 Concen: 100.561 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037552.D
 Acq: 25 Oct 2018 19:37

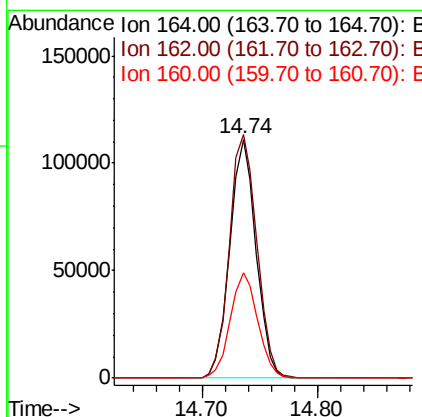
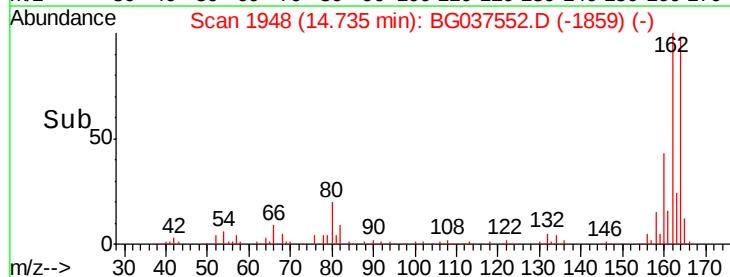
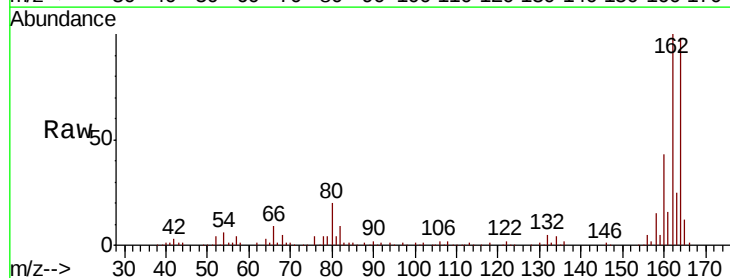
Instrument :
 BNA_G
 ClientSampleId :
 BS-SOIL-2

Tot Ion	82.00	Resp	467829
Ion Ratio	Lower	Upper	
82	100		
128	45.2	34.6	51.8
54	54.0	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037552.D
 Acq: 25 Oct 2018 19:37

Tgt Ion	164.00	Resp	174983
Ion Ratio	Lower	Upper	
164	100		
162	102.0	81.3	121.9
160	44.0	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 149.990 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-2

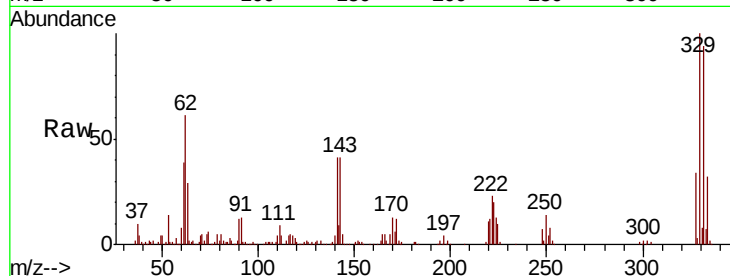
Tot Ion:330 Resp: 286259

Ion Ratio Lower Upper

330 100

332 93.7 78.4 117.6

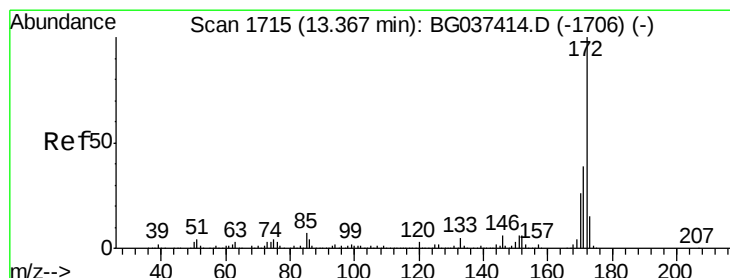
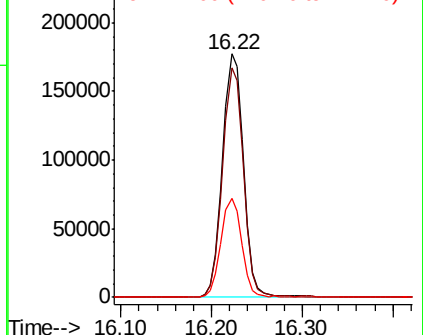
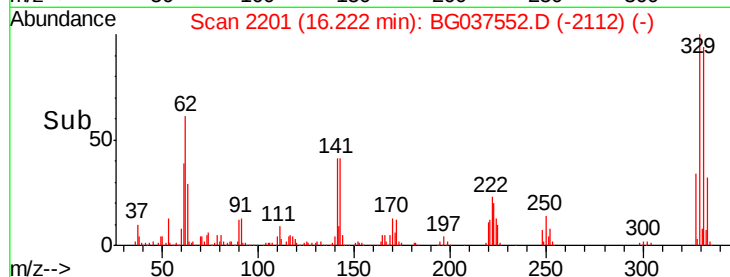
141 40.3 32.2 48.2



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: 84.023 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

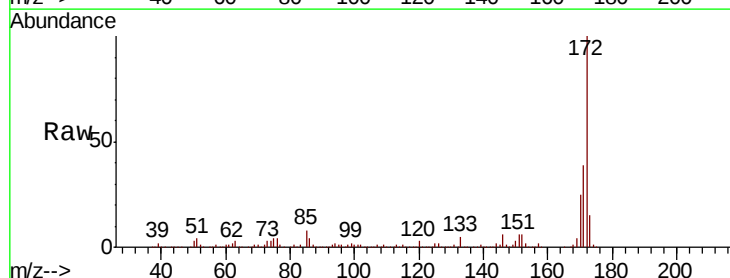
Tgt Ion:172 Resp: 975012

Ion Ratio Lower Upper

172 100

171 38.7 31.0 46.4

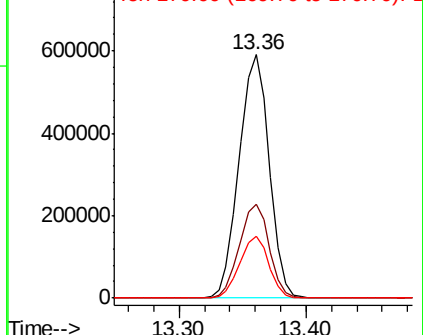
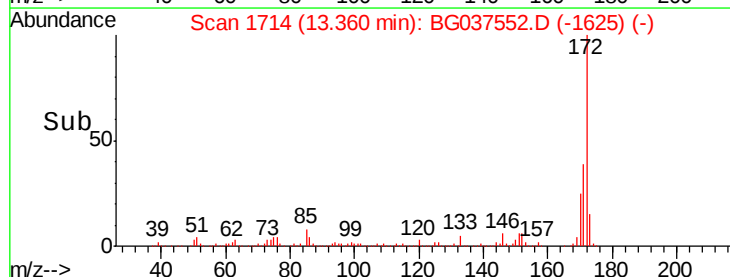
170 25.4 20.2 30.2

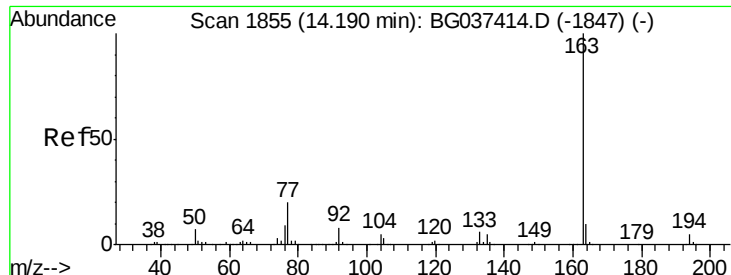


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 14.186 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-2

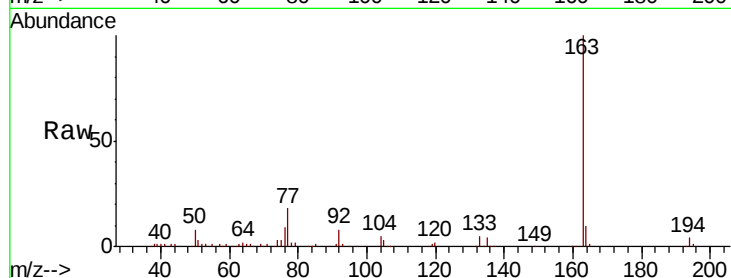
Tot Ion:163 Resp: 192041

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

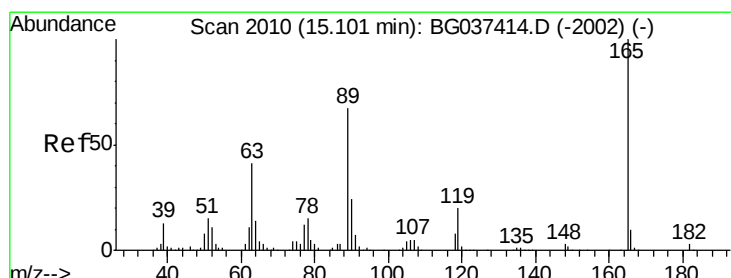
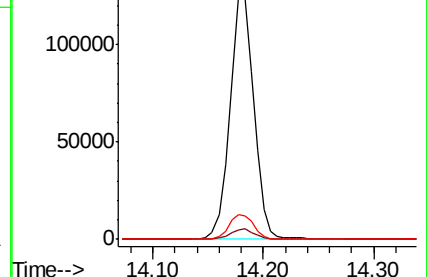
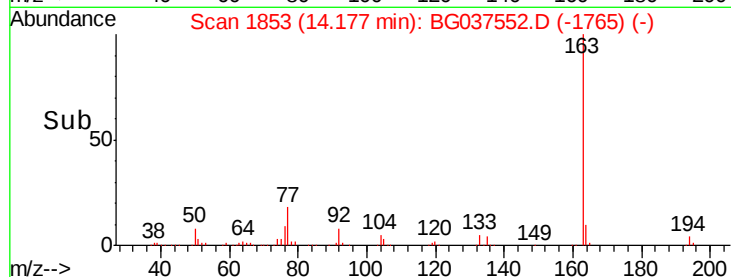
164 10.1 8.5 12.7



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: 5.789 ng

RT: 14.74 min Scan# 1948

Delta R.T. -0.37 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

Tgt Ion:165 Resp: 22755

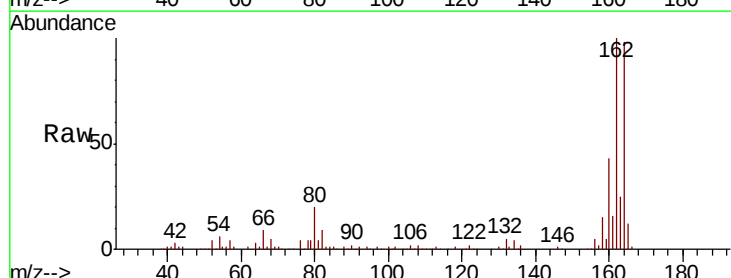
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 1.9 57.2 85.8#

182 0.0 2.6 4.0#

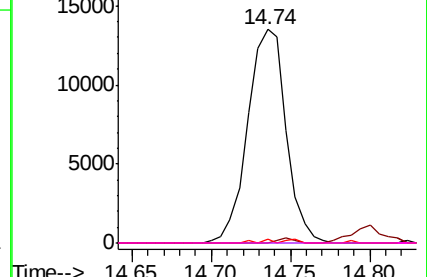
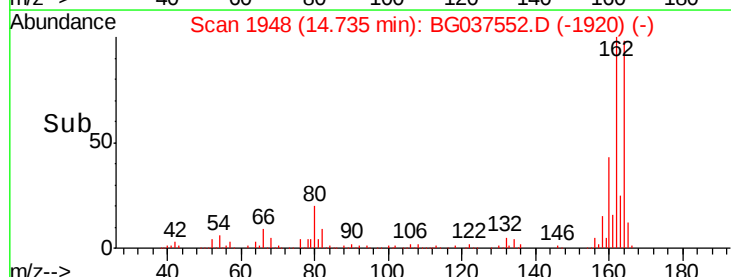


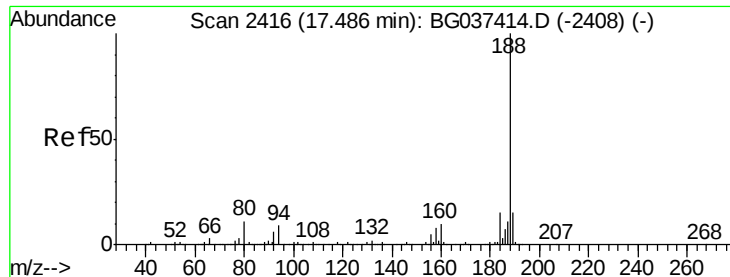
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.49 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-2

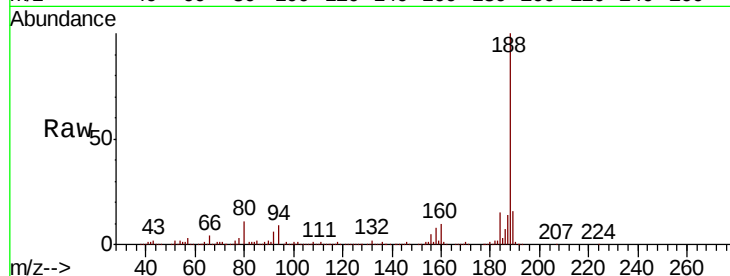
Tot Ion:188 Resp: 389159

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

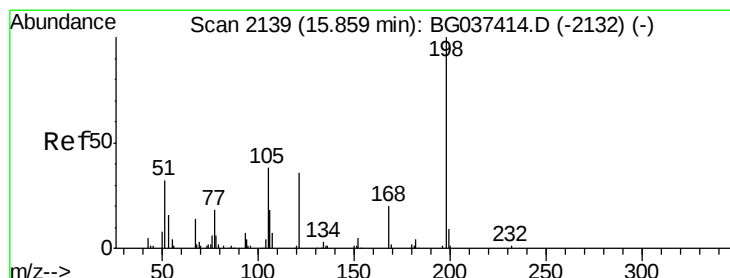
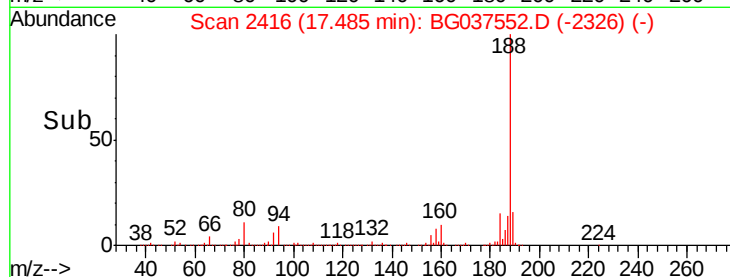
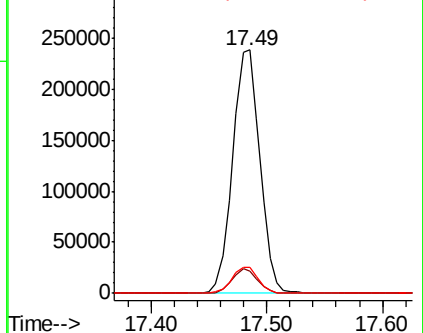
80 10.7 7.7 11.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.938 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.37 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

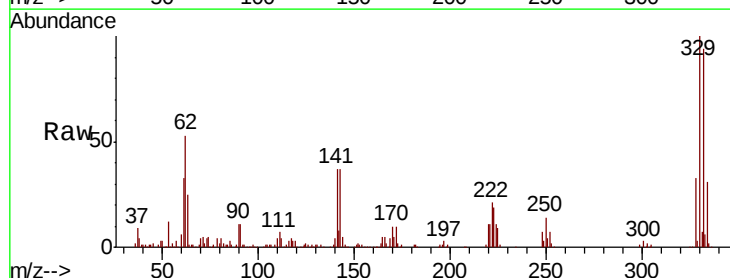
Tgt Ion:198 Resp: 1069

Ion Ratio Lower Upper

198 100

51 22.6 22.7 62.7#

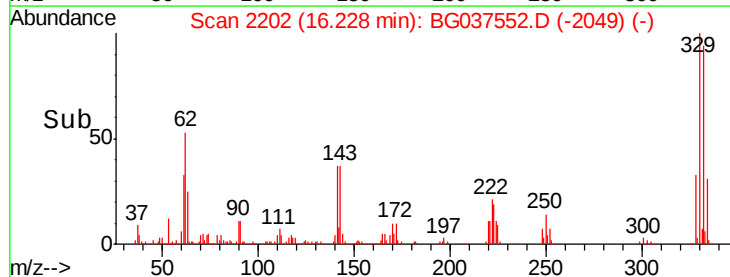
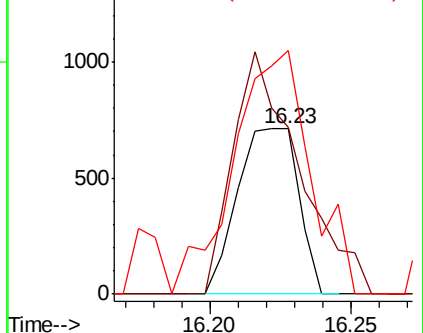
105 33.1 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

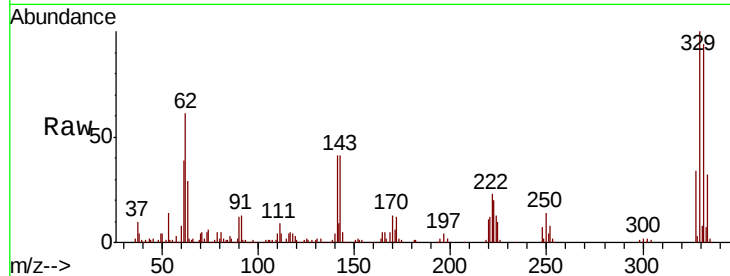




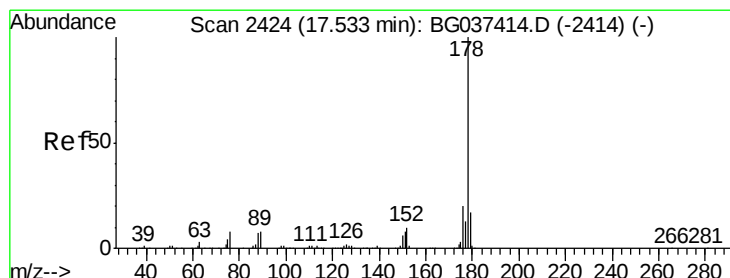
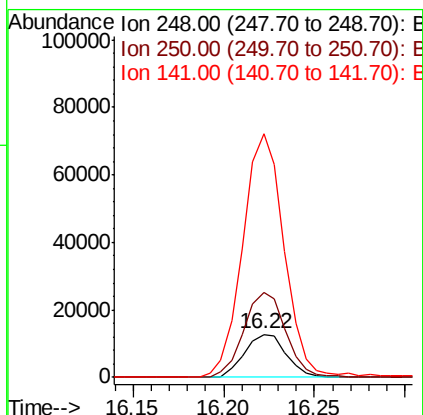
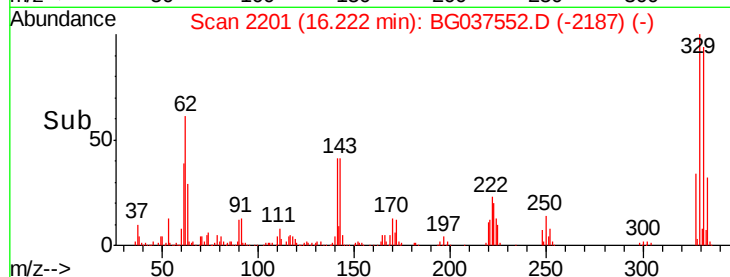
#67
 4-Bromophenyl-phenylether
 Concen: 4.726 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037552.D
 Acq: 25 Oct 2018 19:37

Instrument :
 BNA_G
 ClientSampleId :
 BS-SOIL-2

Tot Ion:248 Resp: 20196
 Ion Ratio Lower Upper
 248 100
 250 195.2 77.0 115.6#
 141 435.8 55.5 83.3#

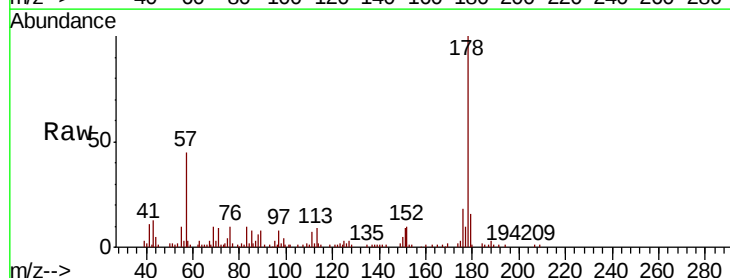


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

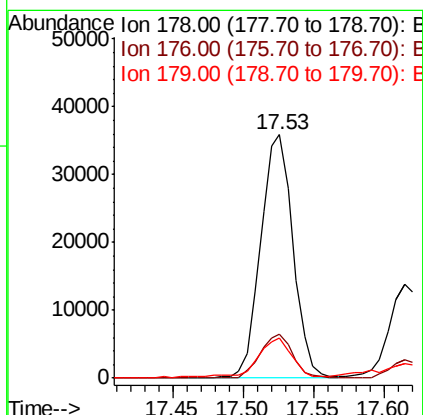
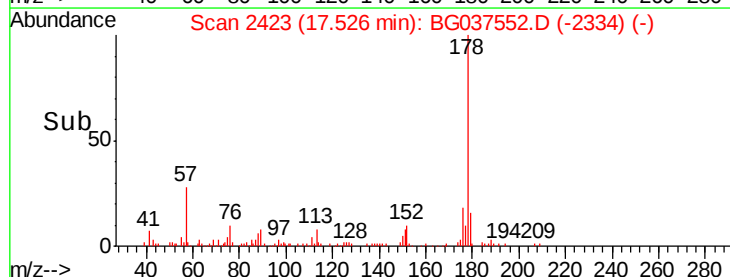


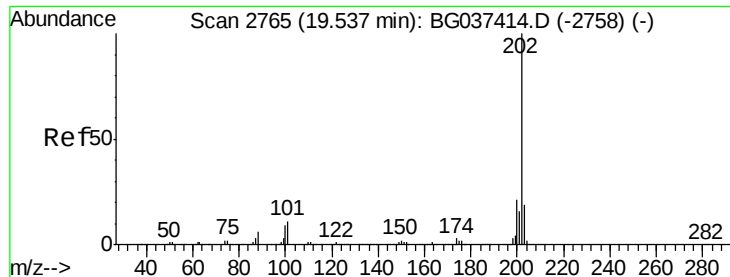
#71
 Phenanthrene
 Concen: 2.927 ng
 RT: 17.53 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG037552.D
 Acq: 25 Oct 2018 19:37

Tgt Ion:178 Resp: 57883
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.1 24.1
 179 16.3 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.524 ng

RT: 19.52 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-2

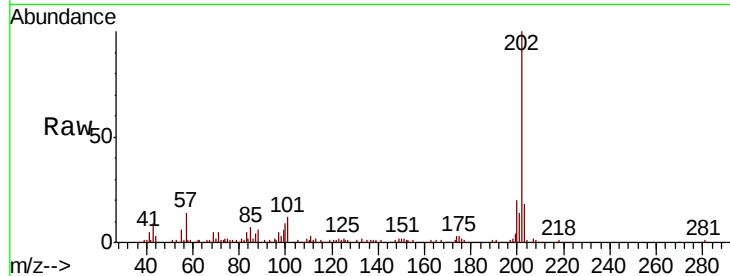
Tot Ion:202 Resp: 101486

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.7

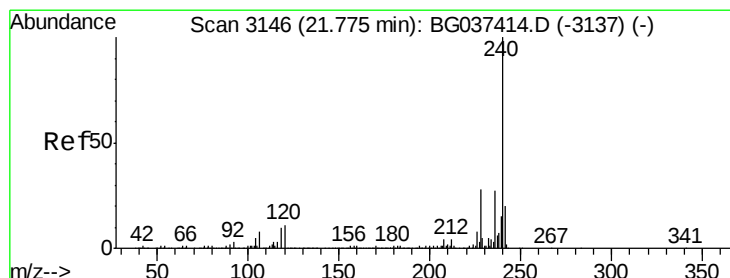
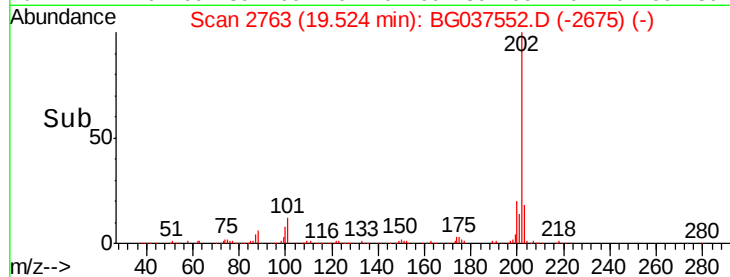
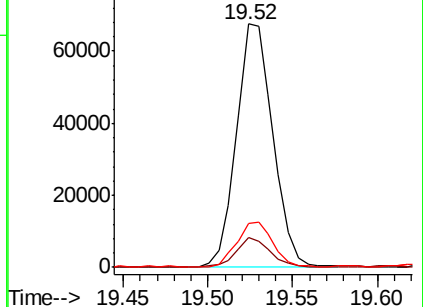
203 18.2 0.0 38.5



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: BG037552.D

Acq: 25 Oct 2018 19:37

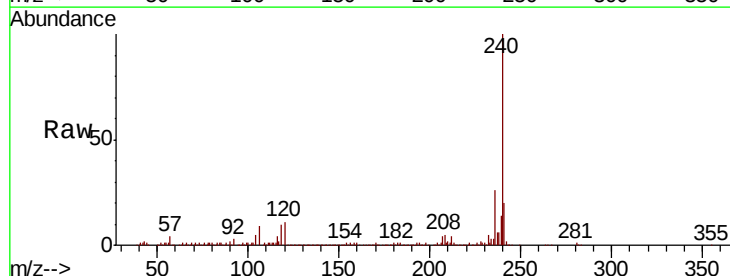
Tgt Ion:240 Resp: 351530

Ion Ratio Lower Upper

240 100

120 10.5 8.1 12.1

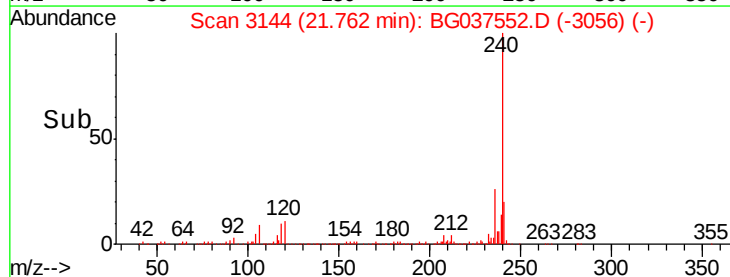
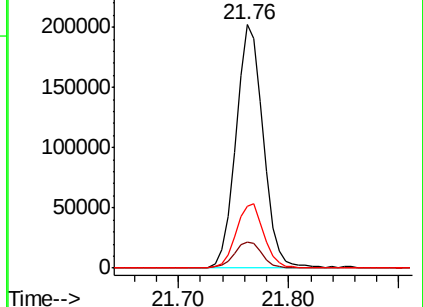
236 25.7 21.4 32.0

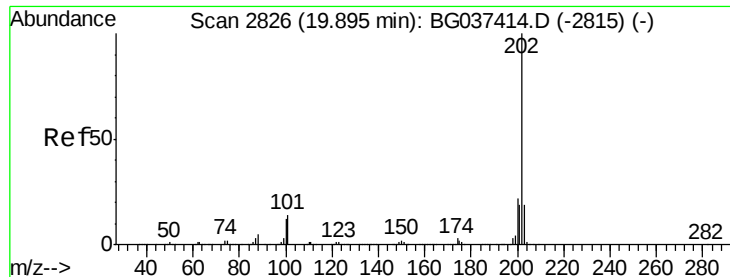


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.211 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-2

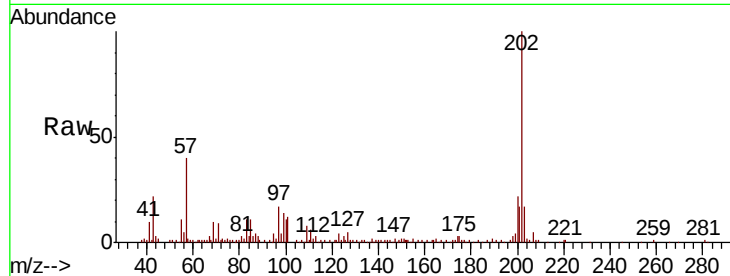
Tot Ion:202 Resp: 73781

Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.6

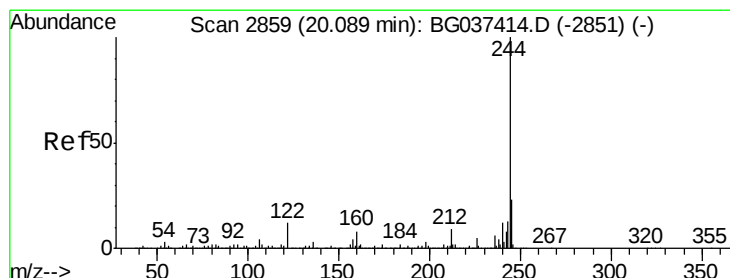
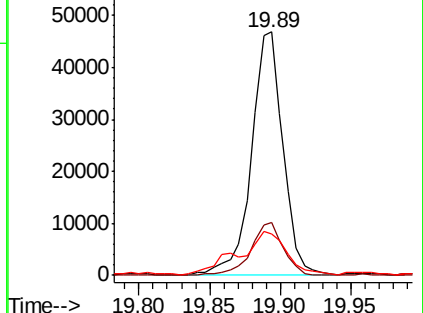
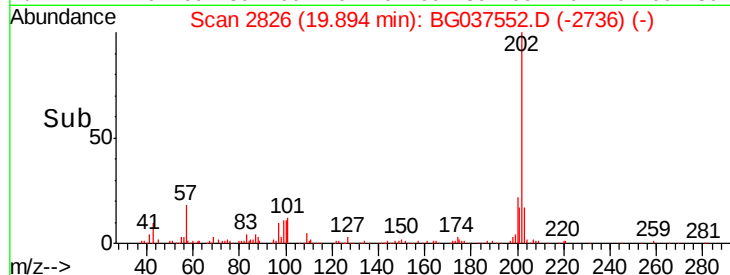
203 17.2 15.2 22.8



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: 78.441 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037552.D

Acq: 25 Oct 2018 19:37

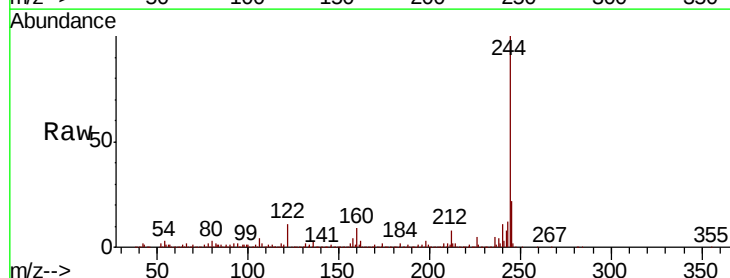
Tgt Ion:244 Resp: 1290472

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

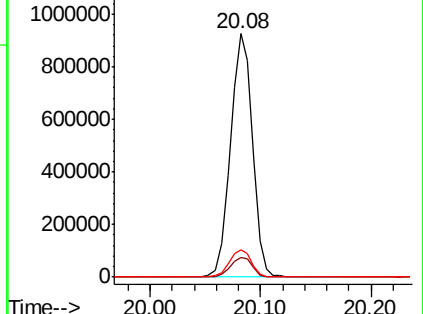
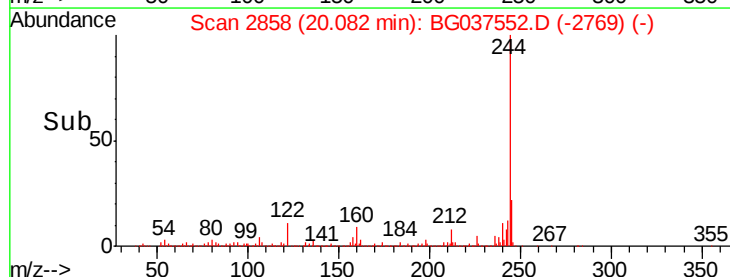
122 11.4 9.0 13.4

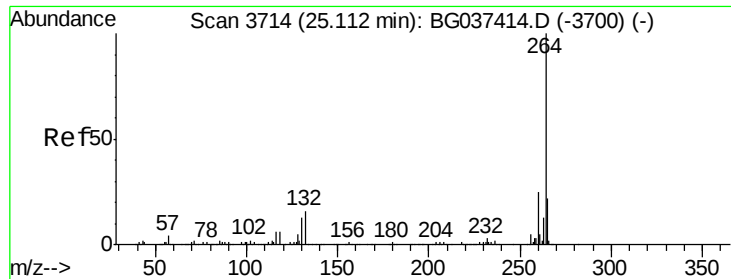


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min
Lab File: BG037552.D
Acq: 25 Oct 2018 19:37

Instrument :
BNA_G
ClientSampleId :
BS-SOIL-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.9	17.9	26.9

