

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG102418\
 Data File : BG037531.D
 Acq On : 25 Oct 2018 4:36
 Operator : JU/SJ
 Sample : J5639-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BS-SOIL-1

Quant Time: Oct 25 08:28:44 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	59619	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	262042	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	178157	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	430963	20.00	ng	0.00
76) Chrysene-d12	21.76	240	398996	20.00	ng	-0.01
87) Perylene-d12	25.09	264	352265	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	404256	113.36	ng	0.00
7) Phenol-d6	7.24	99	549019	101.82	ng	0.00
23) Nitrobenzene-d5	9.28	82	394655	84.37	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	204645	105.32	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	939161	79.49	ng	0.00
79) Terphenyl-d14	20.08	244	1481153	79.32	ng	0.00

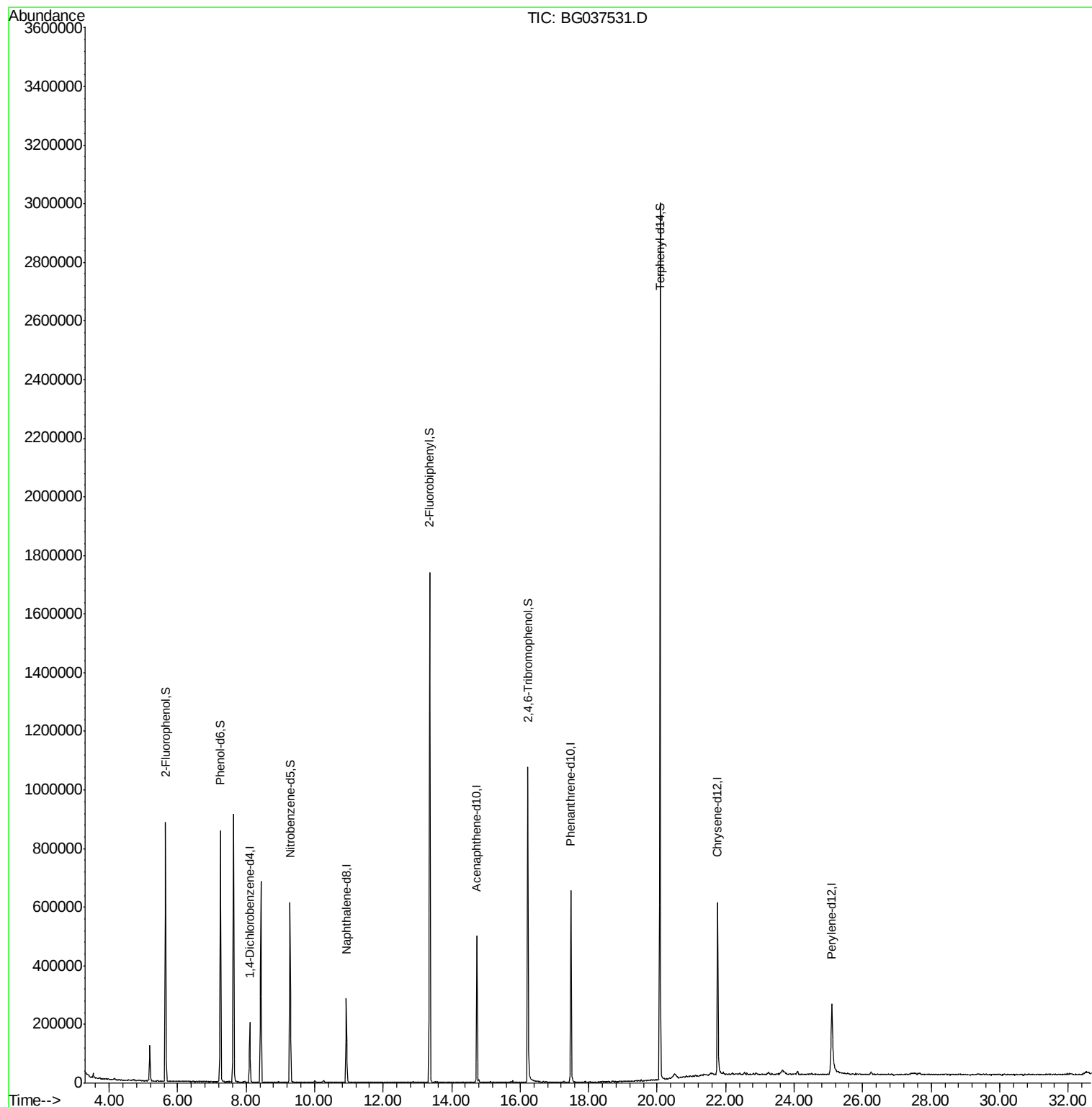
Target Compounds	Qvalue
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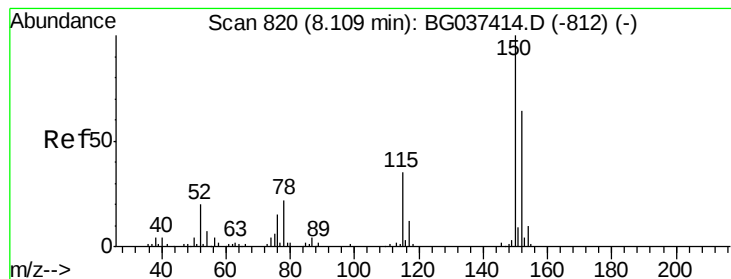
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG037531.D

Acq: 25 Oct 2018 4:36

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BNA_G

ClientSampleId :

BS-SOIL-1

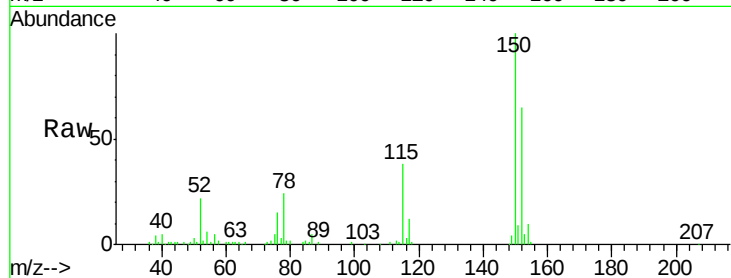
Tgt Ion:152 Resp: 59619

Ion Ratio Lower Upper

152 100

150 155.0 126.0 189.0

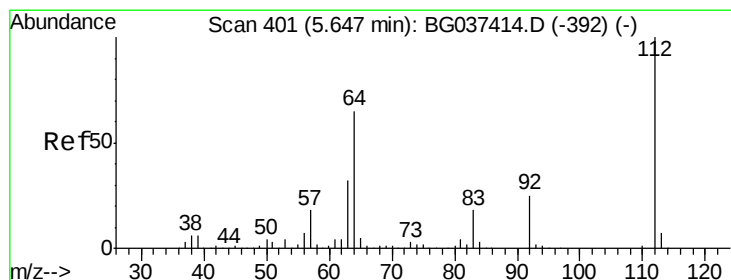
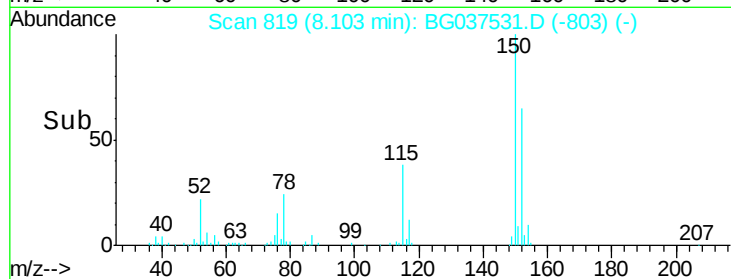
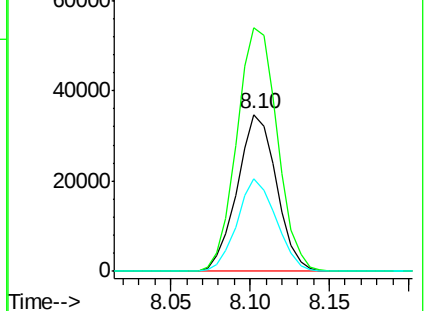
115 59.3 45.5 68.3



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: 113.363 ng

RT: 5.65 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037531.D

Acq: 25 Oct 2018 4:36

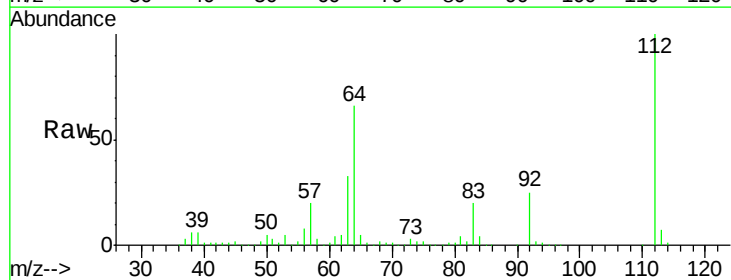
Tgt Ion:112 Resp: 404256

Ion Ratio Lower Upper

112 100

64 65.7 53.1 79.7

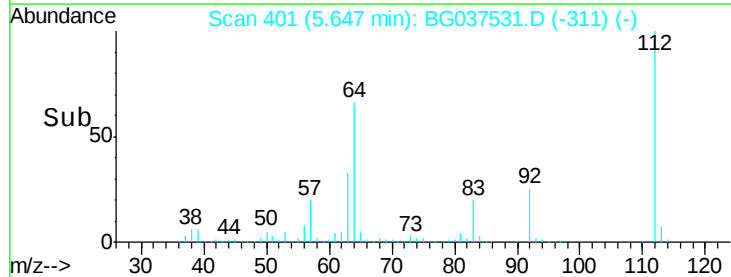
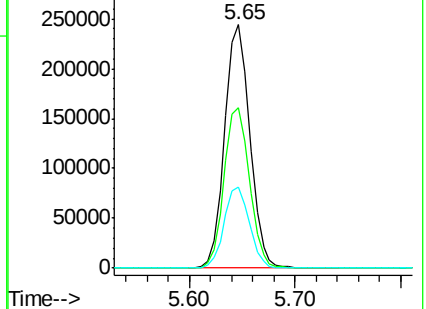
63 33.4 27.3 40.9



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: 101.815 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037531.D

Acq: 25 Oct 2018 4:36

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-1

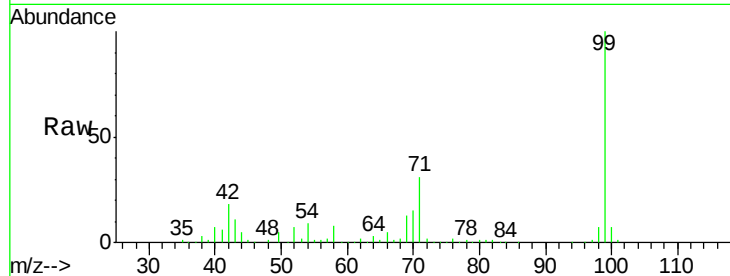
Tgt Ion: 99 Resp: 549019

Ion Ratio Lower Upper

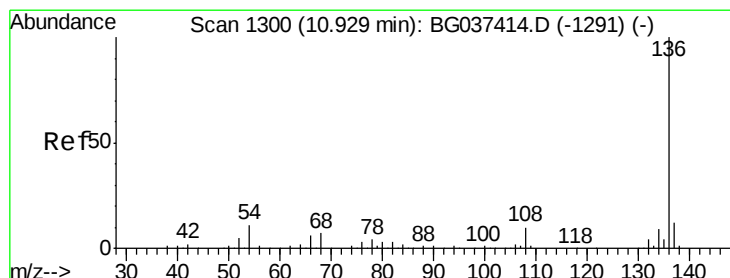
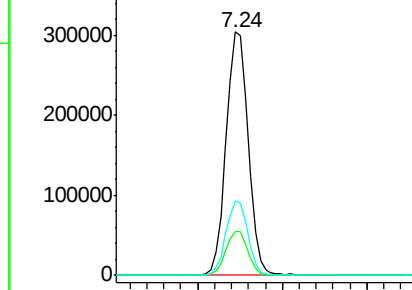
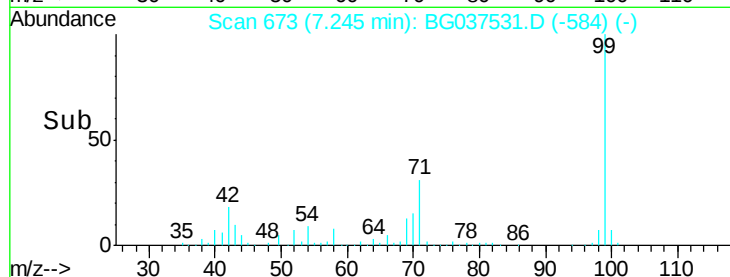
99 100

42 17.8 15.0 22.4

71 30.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG037531.D

Acq: 25 Oct 2018 4:36

Tgt Ion: 136 Resp: 262042

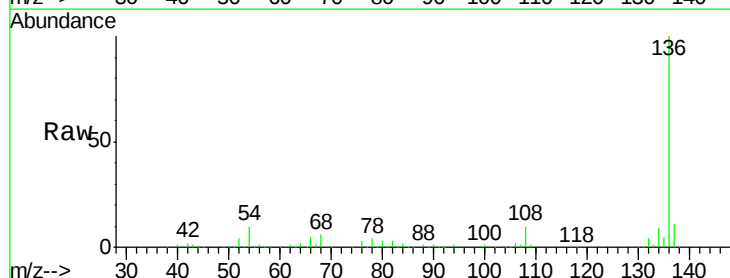
Ion Ratio Lower Upper

136 100

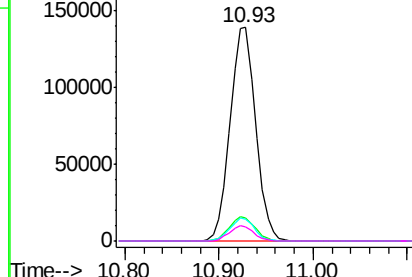
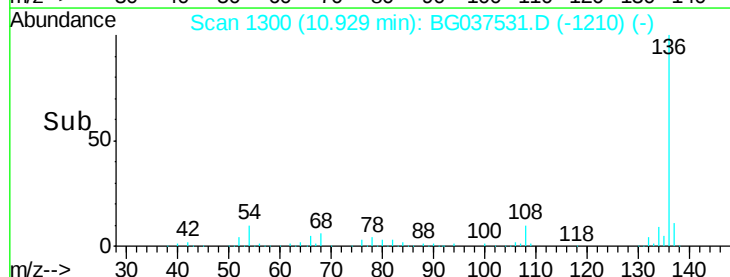
137 11.0 9.6 14.4

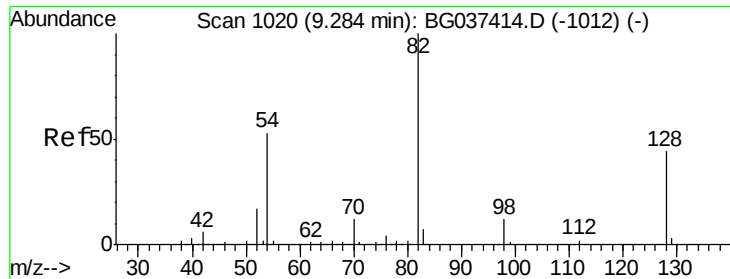
54 10.2 7.9 11.9

68 6.4 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

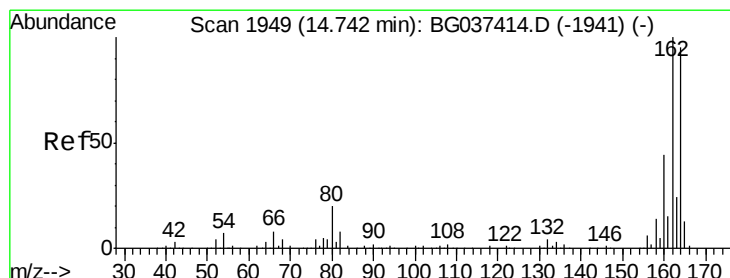
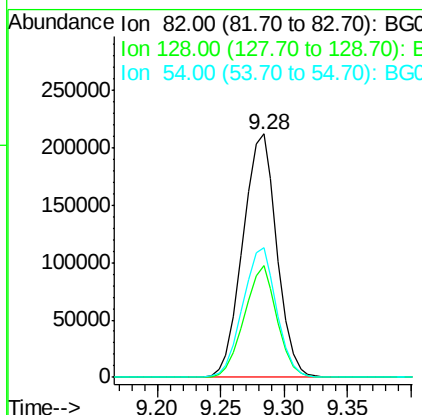
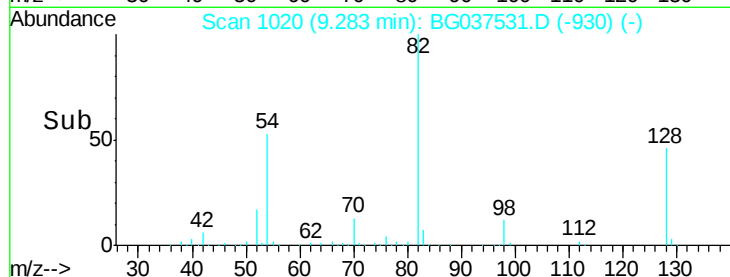
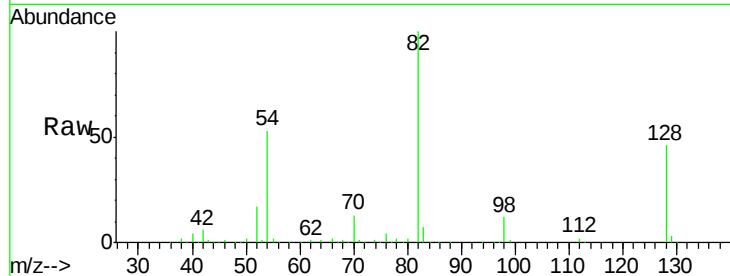




#23
 Nitrobenzene-d5
 Concen: 84.369 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037531.D
 Acq: 25 Oct 2018 4:36

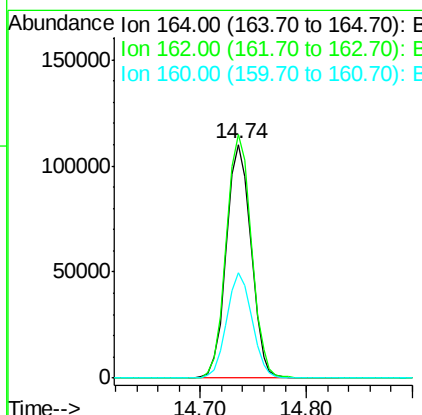
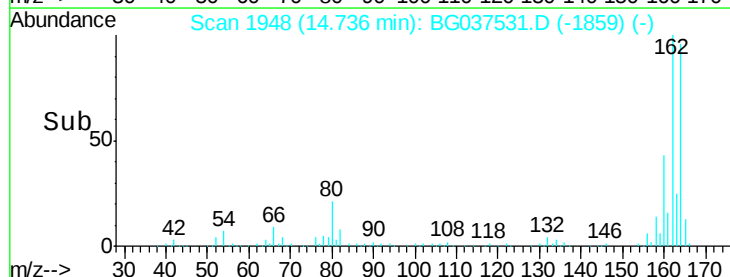
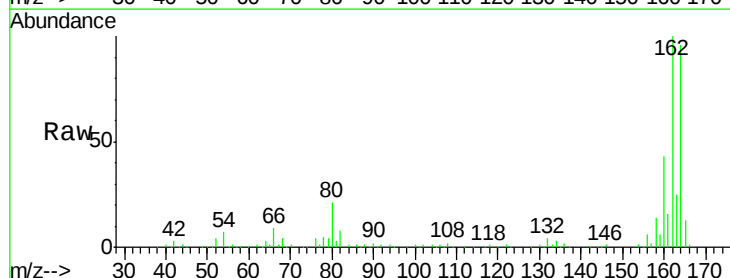
Instrument :
 BNA_G
 ClientSampled :
 BS-SOIL-1

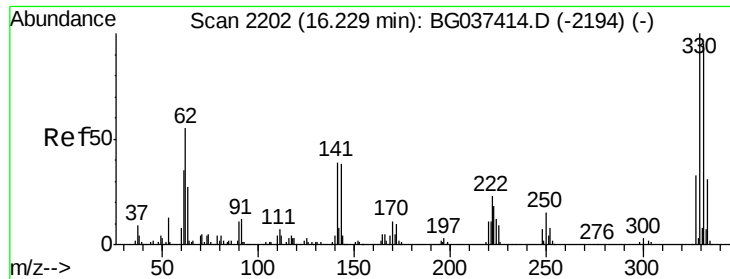
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.6	51.8
54	53.1	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037531.D
 Acq: 25 Oct 2018 4:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.3	121.9
160	44.9	36.3	54.5

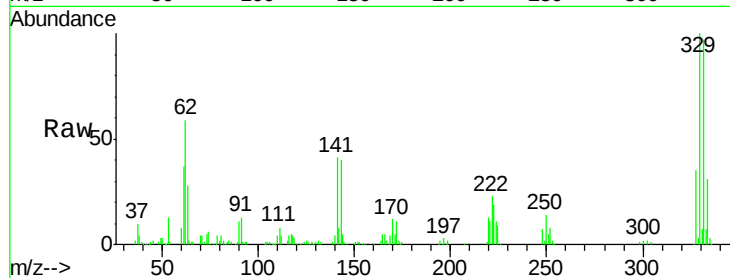




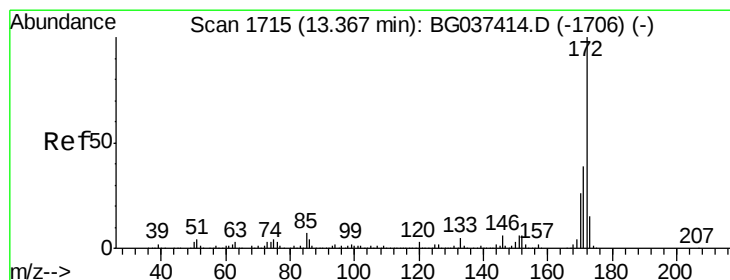
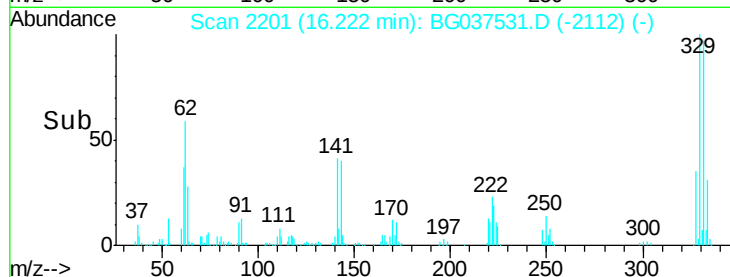
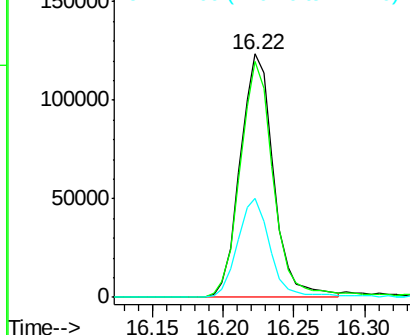
#42
 2,4,6-Tribromophenol
 Concen: 105.317 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037531.D
 Acq: 25 Oct 2018 4:36

Instrument :
 BNA_G
 ClientSampleId :
 BS-SOIL-1

Tgt Ion:330 Resp: 204645
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.4 117.6
 141 40.4 32.2 48.2

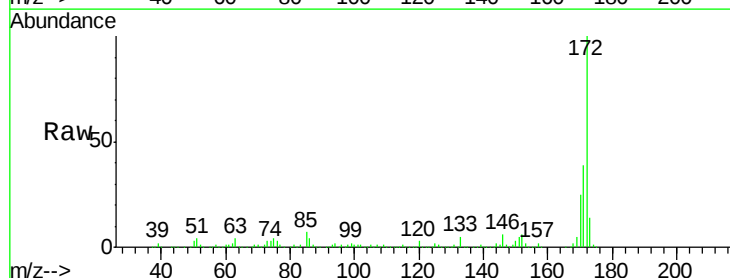


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

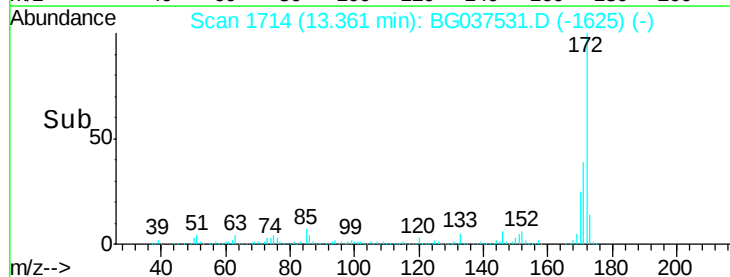
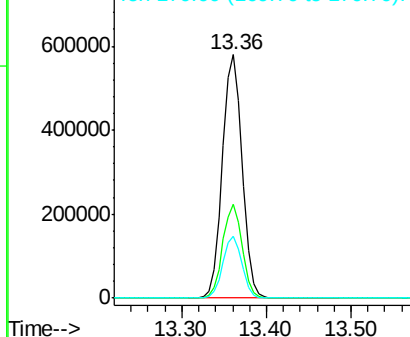


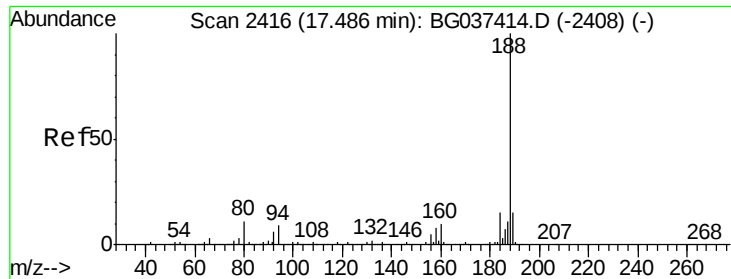
#45
 2-Fluorobiphenyl
 Concen: 79.492 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037531.D
 Acq: 25 Oct 2018 4:36

Tgt Ion:172 Resp: 939161
 Ion Ratio Lower Upper
 172 100
 171 38.6 31.0 46.4
 170 25.3 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

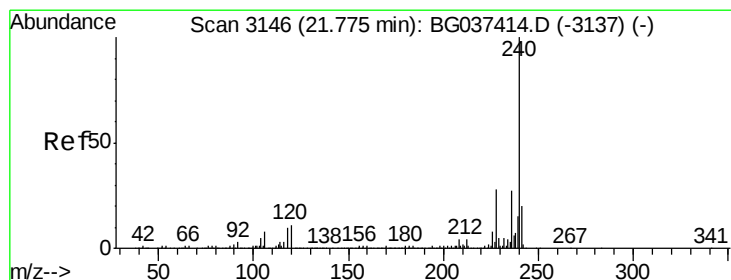
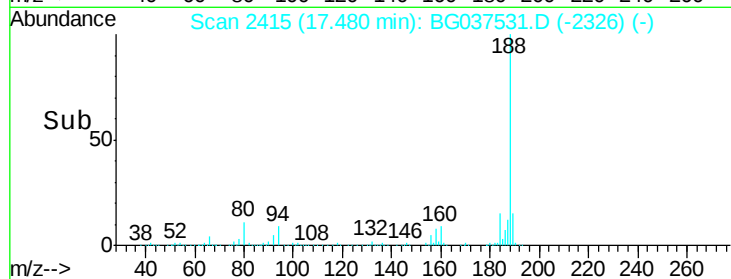
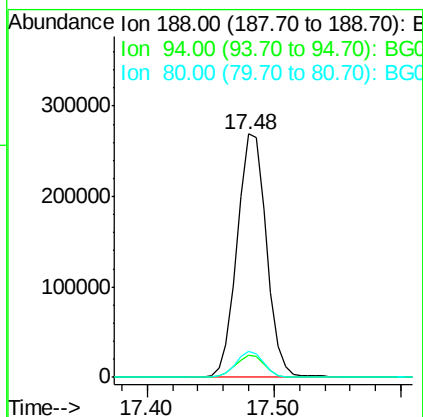
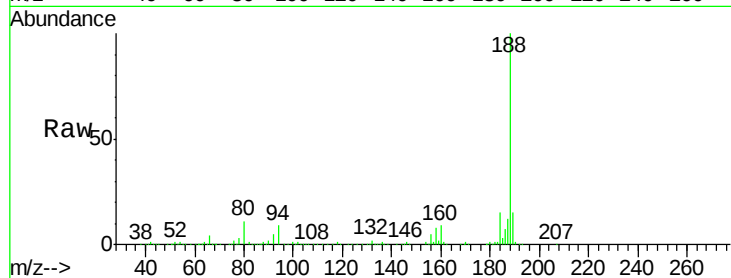




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BG037531.D
Acq: 25 Oct 2018 4:36

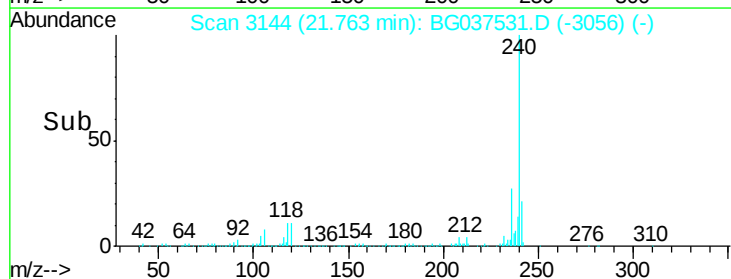
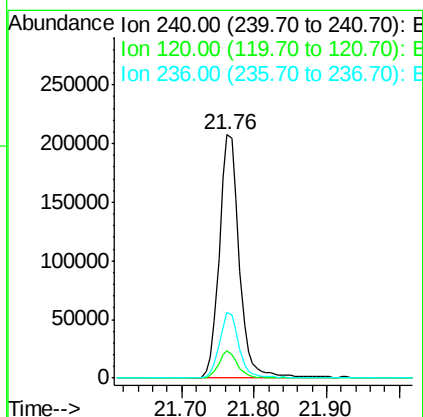
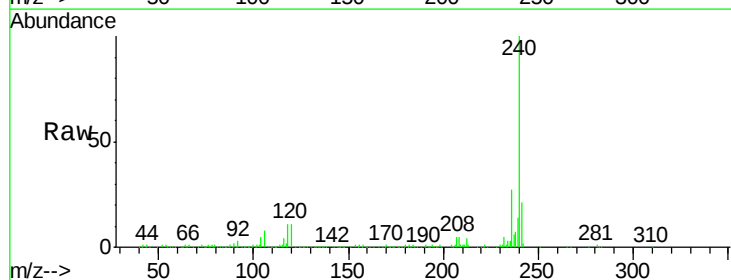
Instrument :
BNA_G
ClientSampleId :
BS-SOIL-1

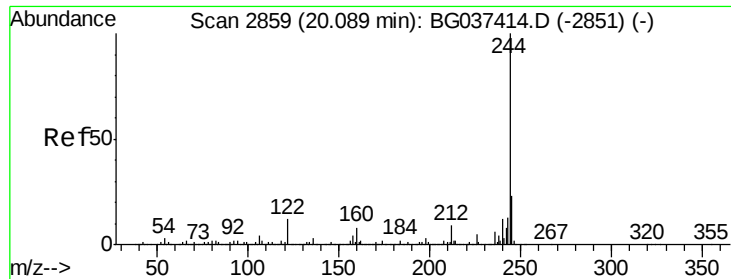
Tgt Ion:188 Resp: 430963
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.9 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037531.D
Acq: 25 Oct 2018 4:36

Tgt Ion:240 Resp: 398996
Ion Ratio Lower Upper
240 100
120 11.2 8.1 12.1
236 26.9 21.4 32.0





#79

Terphenyl-d14

Concen: 79.321 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037531.D

Acq: 25 Oct 2018 4:36

Instrument :

BNA_G

ClientSampleId :

BS-SOIL-1

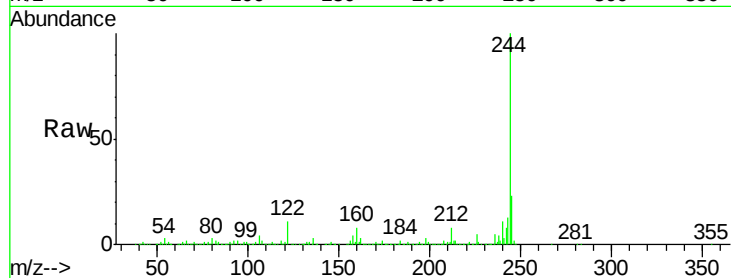
Tgt Ion:244 Resp: 1481153

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

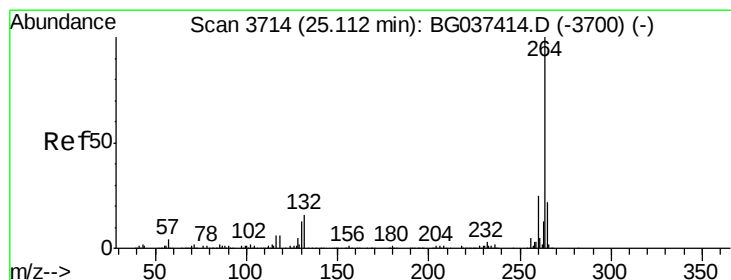
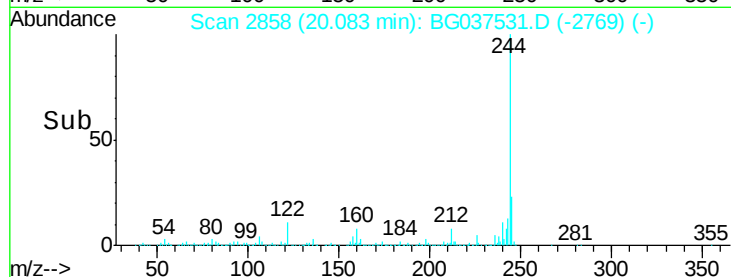
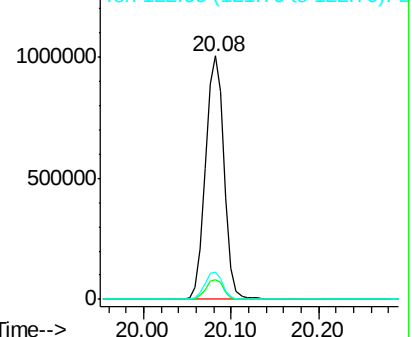
122 11.5 9.0 13.4



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: 25.09 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG037531.D

Acq: 25 Oct 2018 4:36

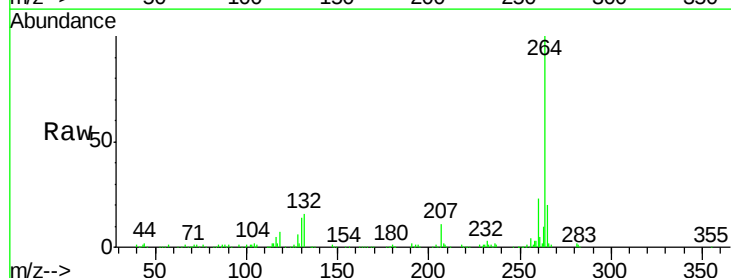
Tgt Ion:264 Resp: 352265

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 20.2 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

