

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080618\
 Data File : BG036152.D
 Acq On : 7 Aug 2018 7:53
 Operator : JU/SJ
 Sample : J4333-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1

Quant Time: Aug 07 09:00:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	31831	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	109765	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	80168	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	234513	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	239711	20.00	ng	-0.02
86) Perylene-d12	24.83	264	221932	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	270634	141.16	ng	-0.01
7) Phenol-d6	7.18	99	342184	119.62	ng	-0.01
23) Nitrobenzene-d5	9.17	82	293670	111.77	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	216377	204.77	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	683624	114.24	ng	-0.02
78) Terphenyl-d14	19.98	244	1328758	122.19	ng	-0.02

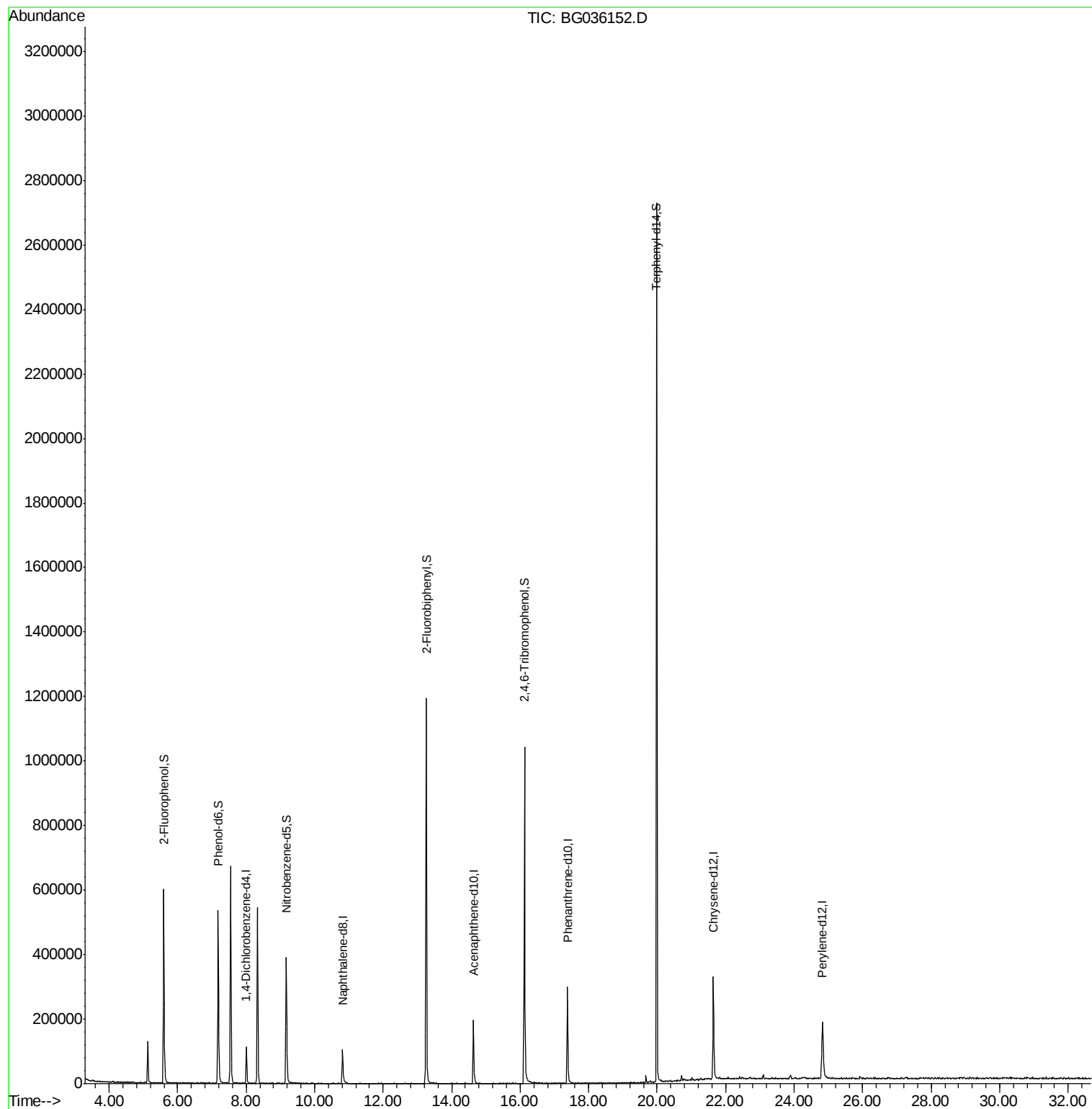
Target Compounds Qvalue

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

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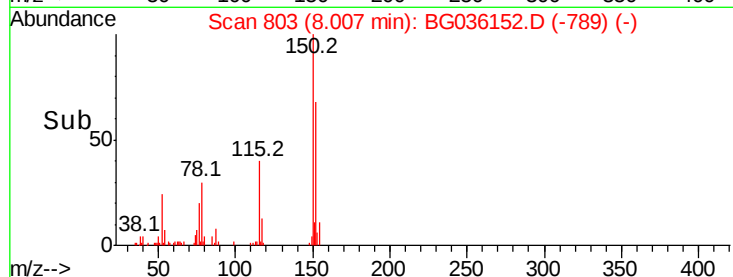
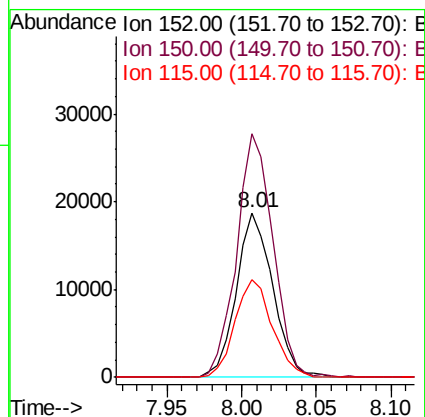
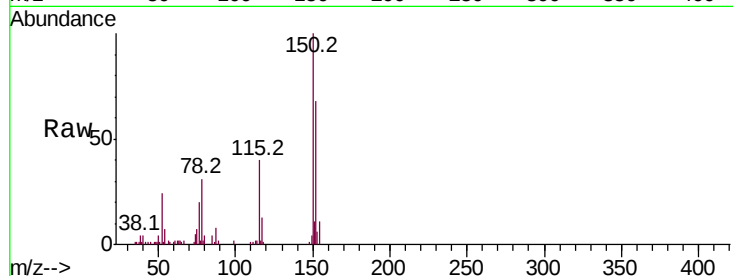


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036152.D
Acq: 7 Aug 2018 7:53

Instrument :
BNA_G
ClientSampleId :
SOIL-1

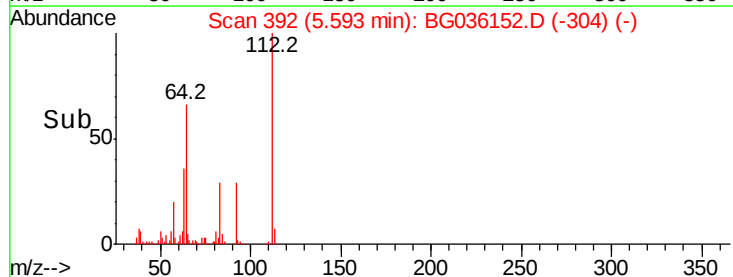
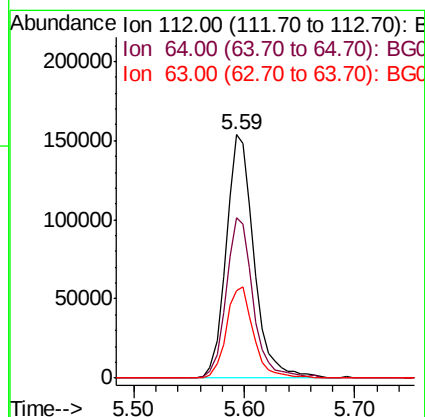
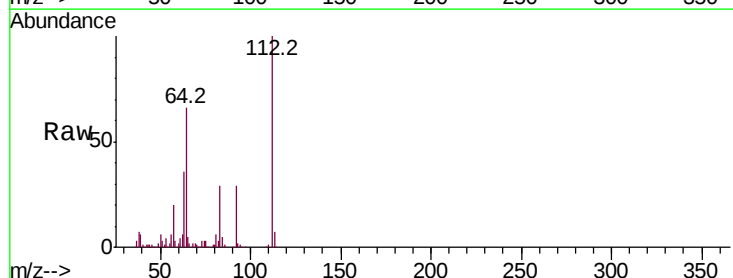
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.9	126.6	189.8
115	59.5	53.0	79.4



#5

2-Fluorophenol
Concen: 141.157 ng
RT: 5.59 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG036152.D
Acq: 7 Aug 2018 7:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	56.3	84.5
63	35.7	30.1	45.1





#7

Phenol-d6

Concen: 119.623 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036152.D

Acq: 7 Aug 2018 7:53

Instrument :

BNA_G

ClientSampleId :

SOIL-1

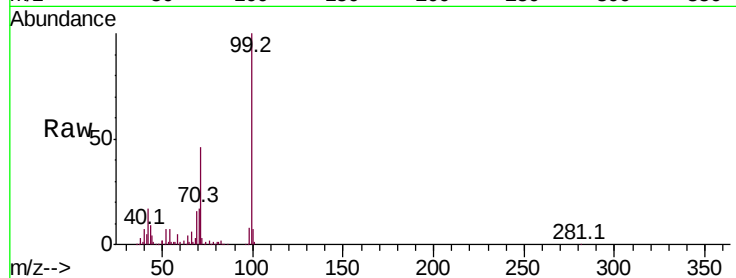
Tot Ion: 99 Resp: 342184

Ion Ratio Lower Upper

99 100

42 16.8 14.1 21.1

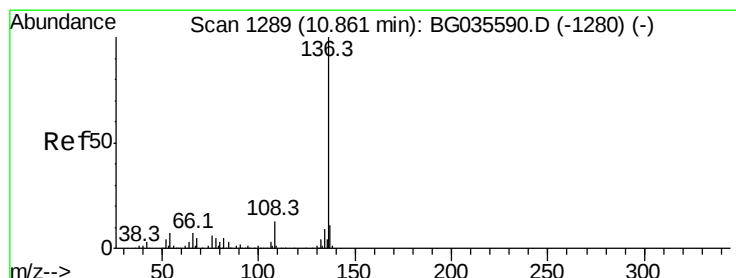
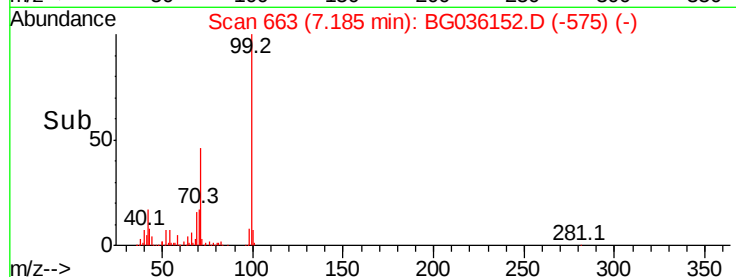
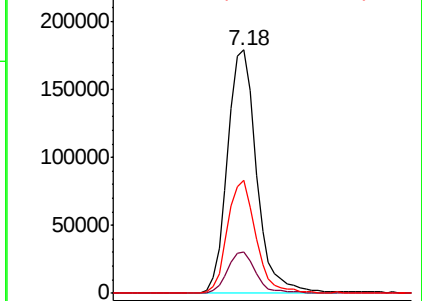
71 46.2 26.1 39.1#



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: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036152.D

Acq: 7 Aug 2018 7:53

Tgt Ion: 136 Resp: 109765

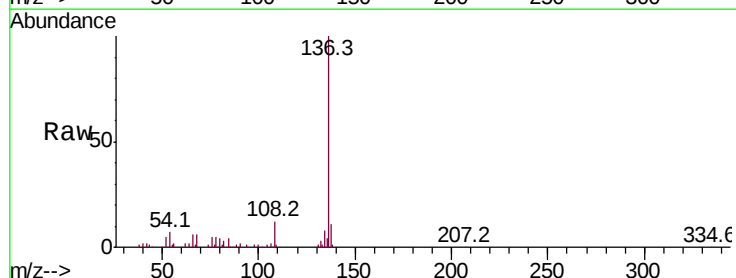
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 6.5 10.3 15.5#

68 5.6 4.5 6.7

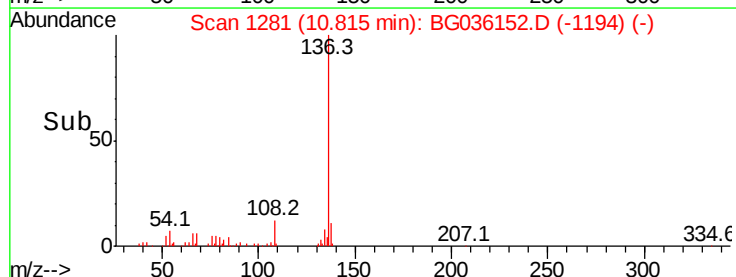
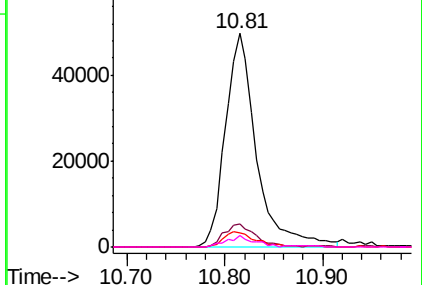


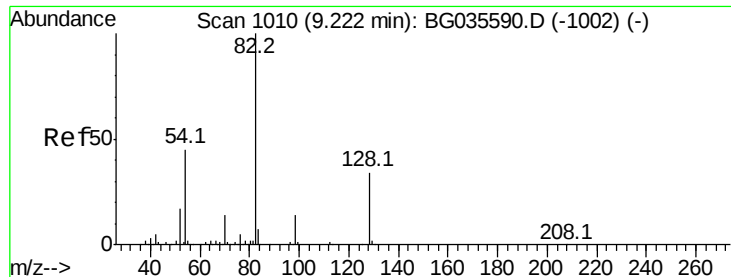
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

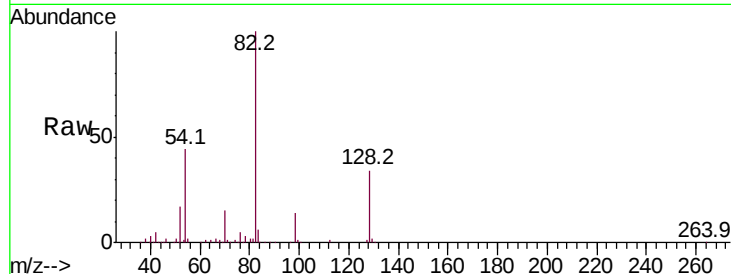




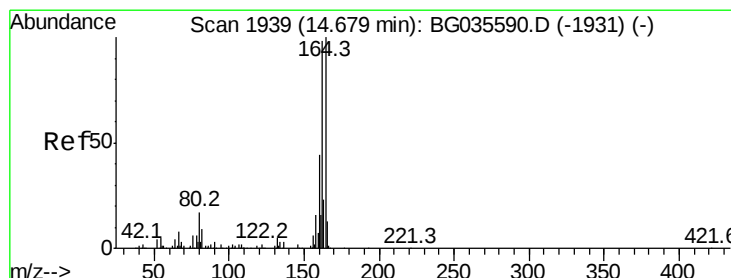
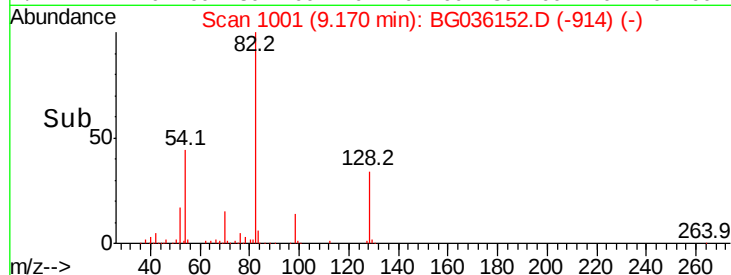
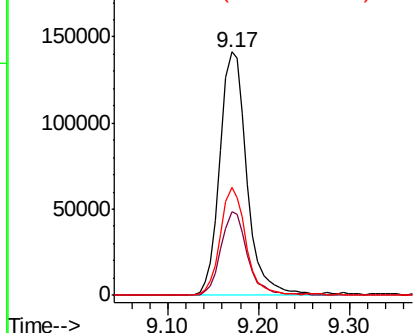
#23
 Nitrobenzene-d5
 Concen: 111.766 ng
 RT: 9.17 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BG036152.D
 Acq: 7 Aug 2018 7:53

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.7	44.5
54	44.4	43.1	64.7

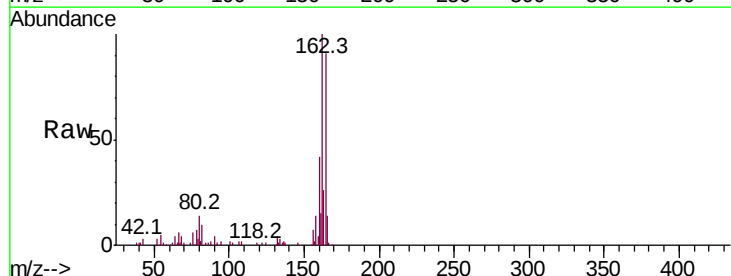


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

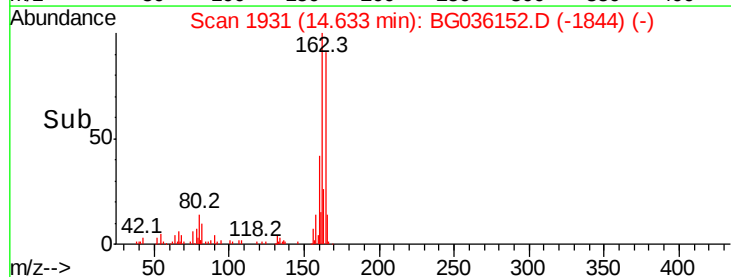
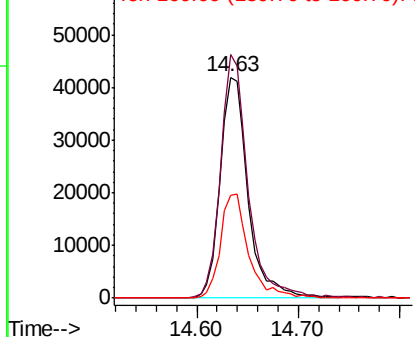


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.02 min
 Lab File: BG036152.D
 Acq: 7 Aug 2018 7:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.1	78.8	118.2
160	46.4	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

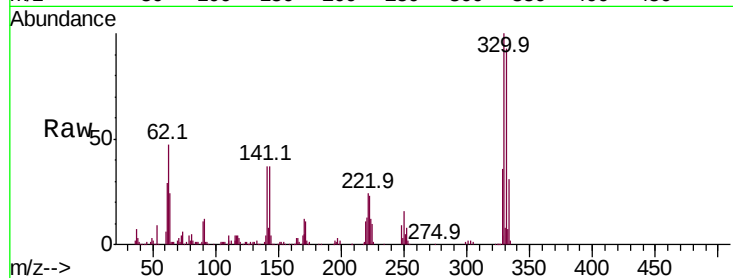




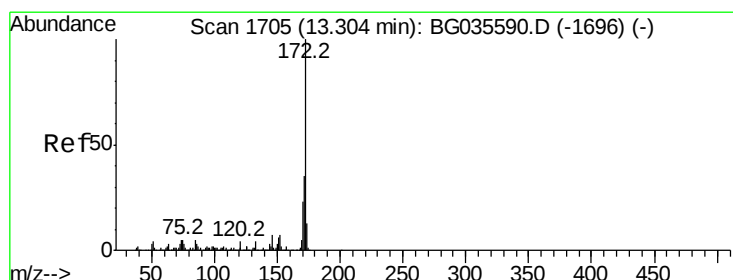
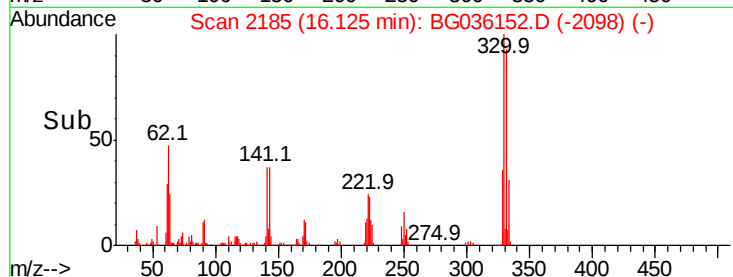
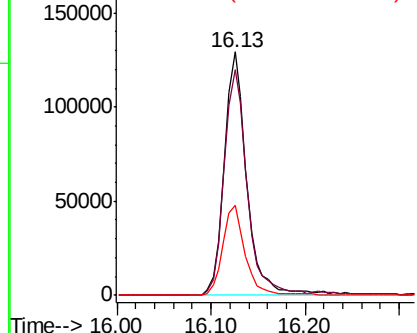
#41
2,4,6-Tribromophenol
Concen: 204.773 ng
RT: 16.13 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BG036152.D
Acq: 7 Aug 2018 7:53

Instrument :
BNA_G
ClientSampleId :
SOIL-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	37.3	25.2	37.8

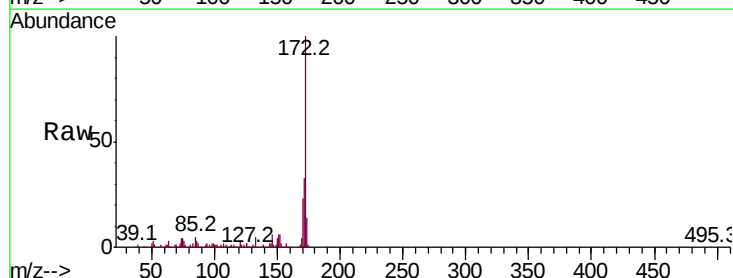


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

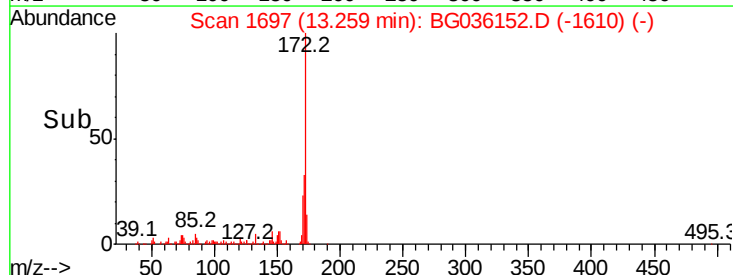
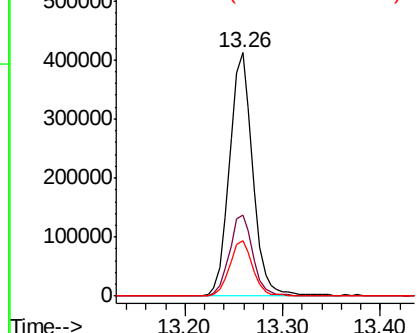


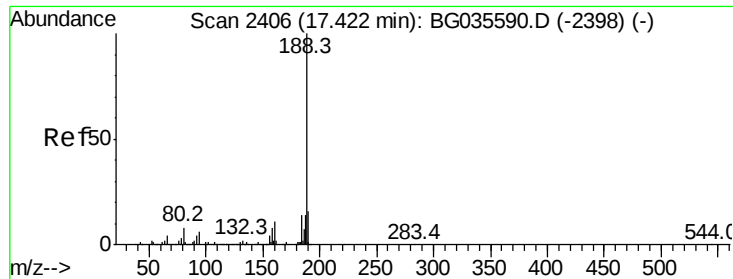
#44
2-Fluorobiphenyl
Concen: 114.245 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.02 min
Lab File: BG036152.D
Acq: 7 Aug 2018 7:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	30.0	45.0
170	22.8	19.5	29.3



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

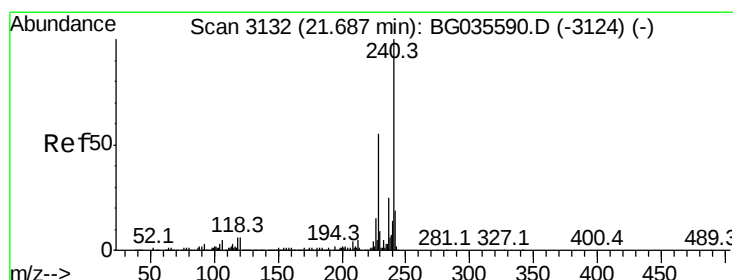
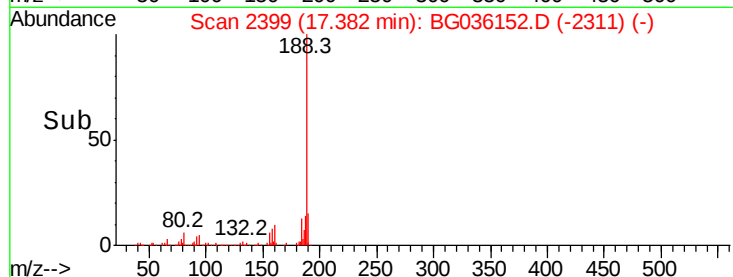
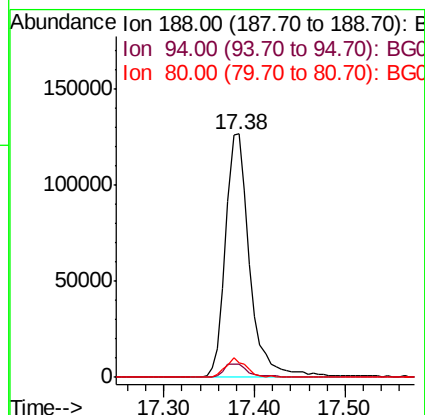
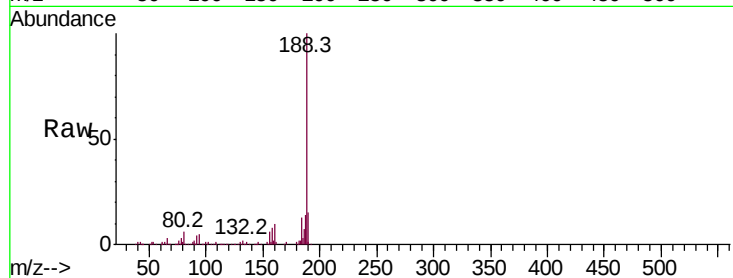




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG036152.D
Acq: 7 Aug 2018 7:53

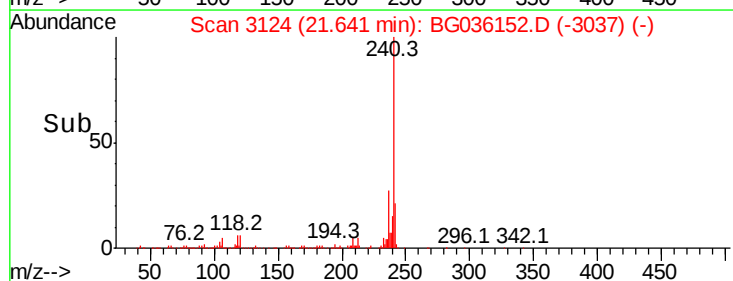
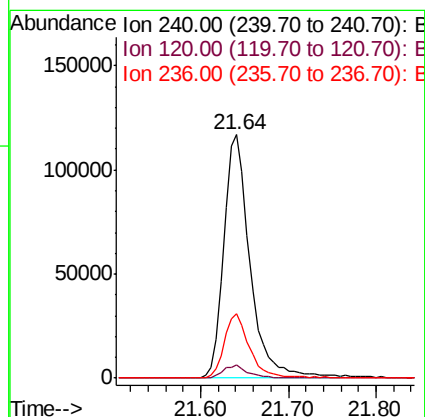
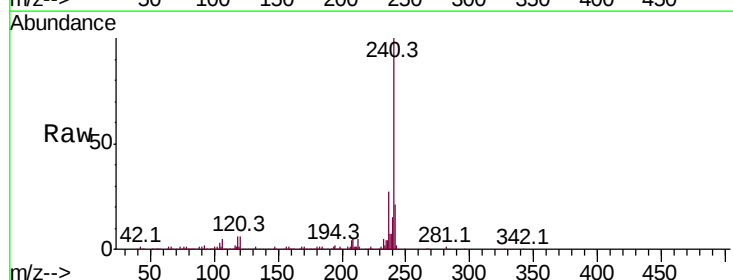
Instrument :
BNA_G
ClientSampleId :
SOIL-1

Tot Ion:188 Resp: 234513
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 6.0 7.7 11.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BG036152.D
Acq: 7 Aug 2018 7:53

Tgt Ion:240 Resp: 239711
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 26.6 20.9 31.3





#78

Terphenyl-d14

Concen: 122.188 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036152.D

Acq: 7 Aug 2018 7:53

Instrument :

BNA_G

ClientSampleId :

SOIL-1

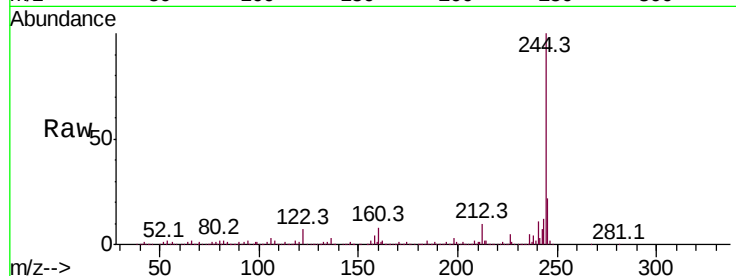
Tot Ion:244 Resp: 1328758

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

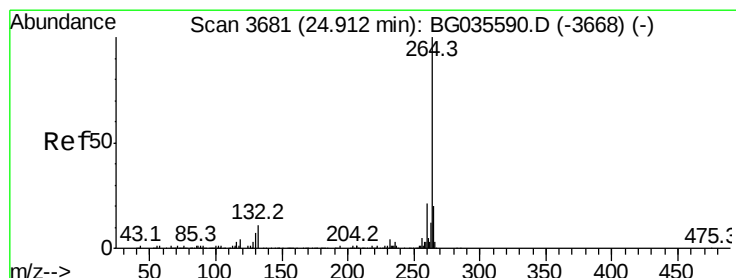
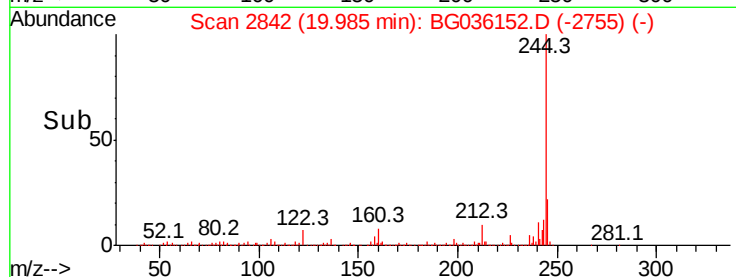
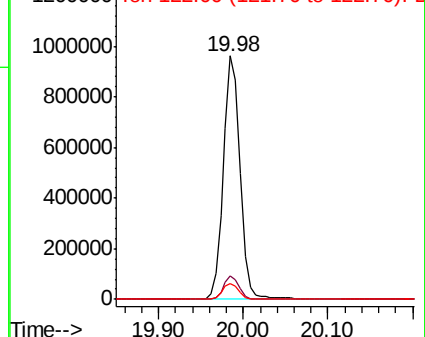
122 6.7 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3666

Delta R.T. -0.03 min

Lab File: BG036152.D

Acq: 7 Aug 2018 7:53

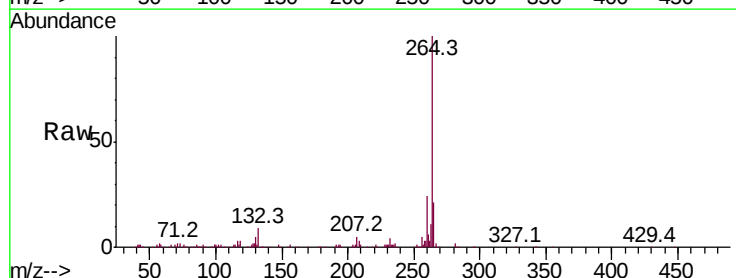
Tgt Ion:264 Resp: 221932

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 21.3 17.7 26.5



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

