

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073118\
 Data File : BG036009.D
 Acq On : 31 Jul 2018 20:05
 Operator : JU/SJ
 Sample : J4217-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1

Quant Time: Aug 01 01:09:25 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

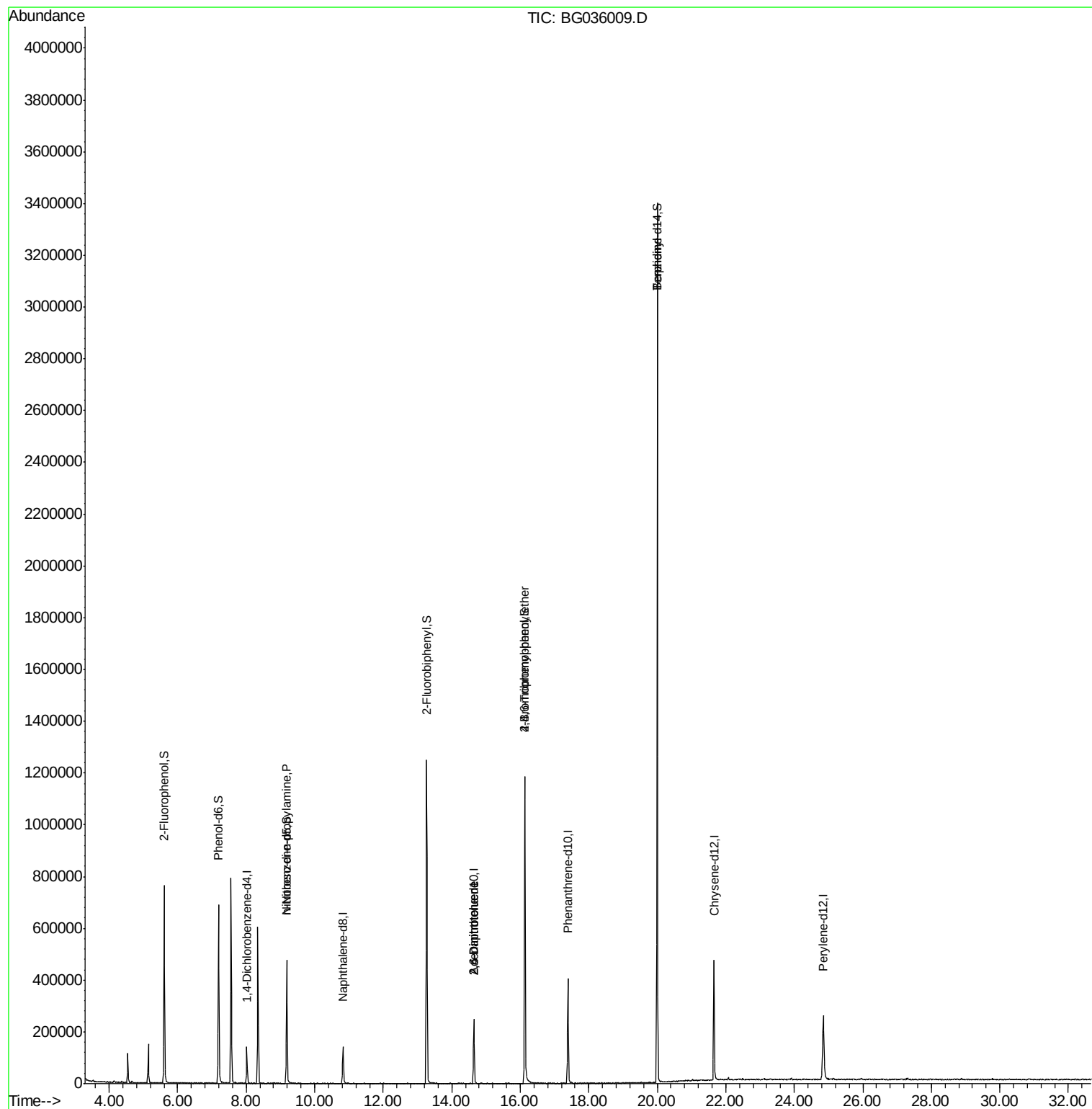
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38746	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	135553	20.00	ng	-0.01
38) Acenaphthene-d10	14.65	164	94943	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	286843	20.00	ng	0.00
75) Chrysene-d12	21.65	240	326401	20.00	ng	0.00
86) Perylene-d12	24.85	264	298181	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	335872	143.92	ng	0.00
7) Phenol-d6	7.19	99	434952	124.92	ng	0.00
23) Nitrobenzene-d5	9.18	82	336951	103.84	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	235858	188.47	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	726058	102.45	ng	0.00
78) Terphenyl-d14	20.00	244	1600003	108.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	45674	15.577	ng	# 71
50) 2,6-Dinitrotoluene	14.64	165	12167	7.183	ng	# 18
56) 2,4-Dinitrotoluene	14.64	165	12167	5.007	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	19480	5.854	ng	# 1
76) Benzidine	20.00	184	27101	3.158	ng	# 91

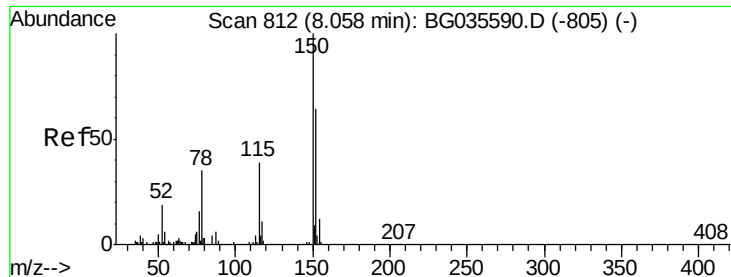
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073118\
Data File : BG036009.D
Acq On : 31 Jul 2018 20:05
Operator : JU/SJ
Sample : J4217-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-1

Quant Time: Aug 01 01:09:25 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



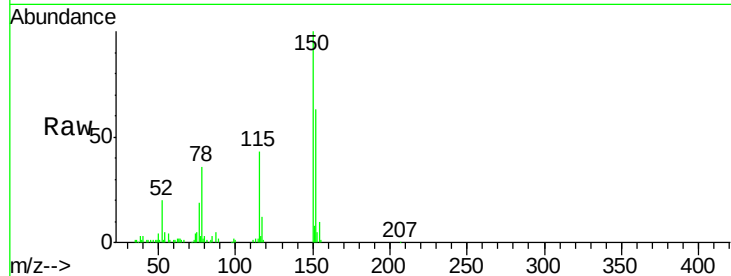


#1

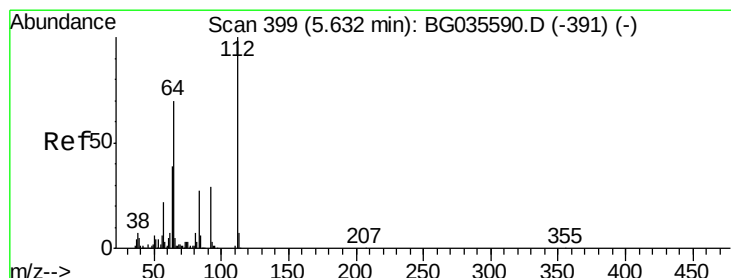
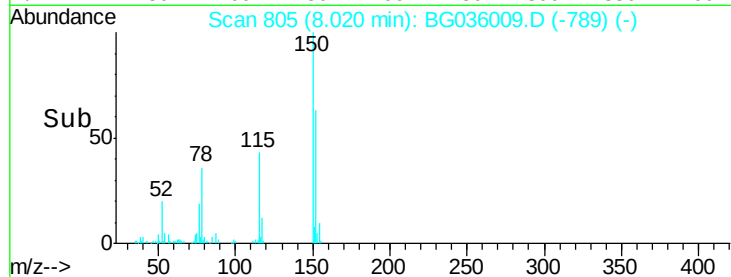
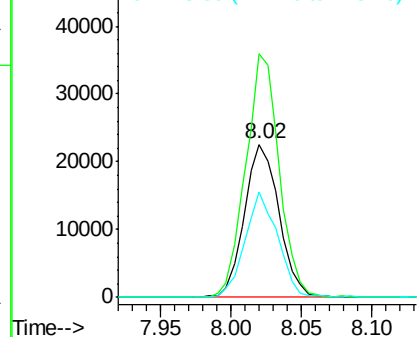
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 805
Delta R.T. -0.00 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

Instrument :
BNA_G
ClientSampleId :
SOIL-1

Tgt Ion:152 Resp: 38746
Ion Ratio Lower Upper
152 100
150 159.4 126.6 189.8
115 68.6 53.0 79.4



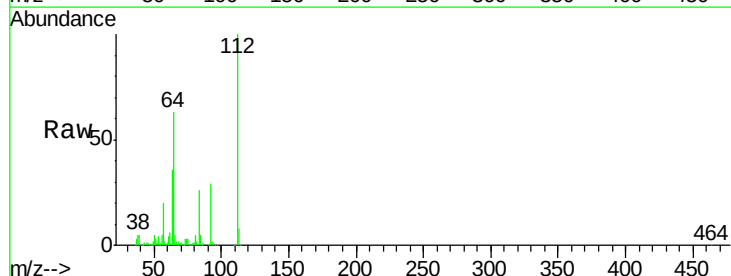
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



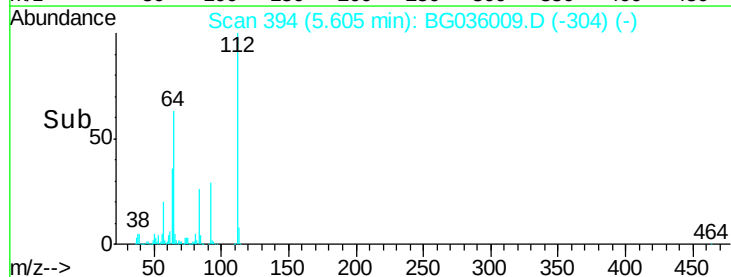
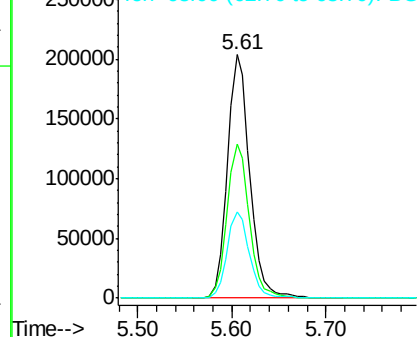
#5

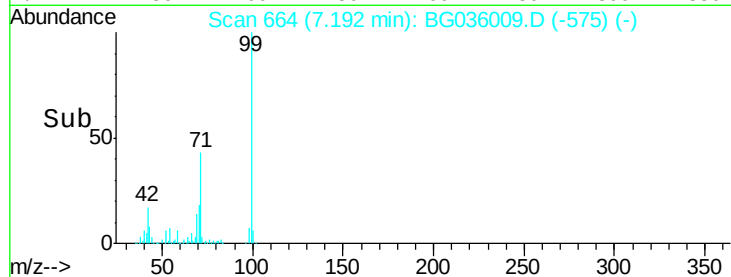
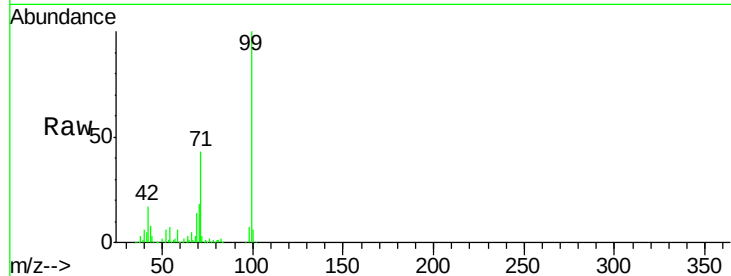
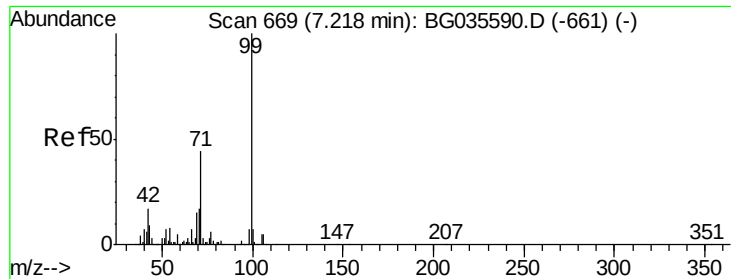
2-Fluorophenol
Concen: 143.918 ng
RT: 5.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

Tgt Ion:112 Resp: 335872
Ion Ratio Lower Upper
112 100
64 63.2 56.3 84.5
63 35.6 30.1 45.1



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: 124.916 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG036009.D

Acq: 31 Jul 2018 20:05

Instrument :

BNA_G

ClientSampleId :

SOIL-1

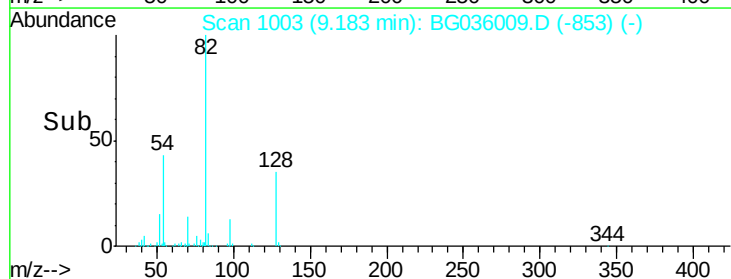
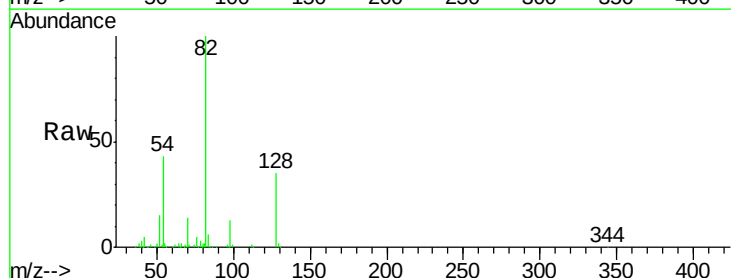
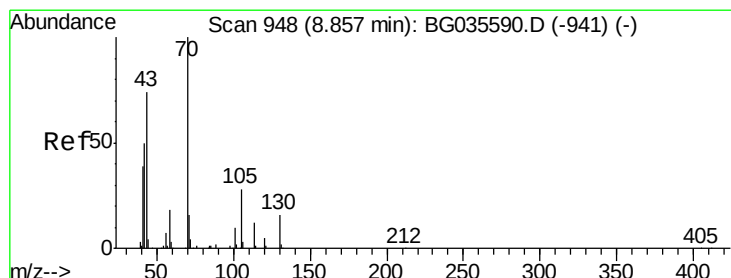
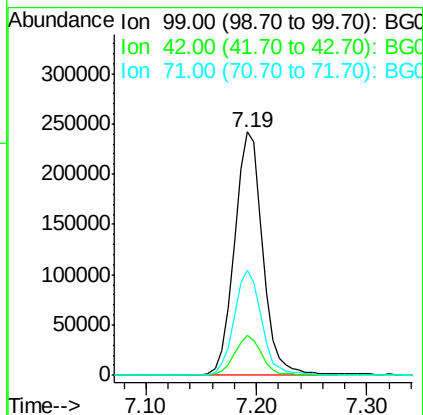
Tgt Ion: 99 Resp: 434952

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

71 43.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.577 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036009.D

Acq: 31 Jul 2018 20:05

Tgt Ion: 70 Resp: 45674

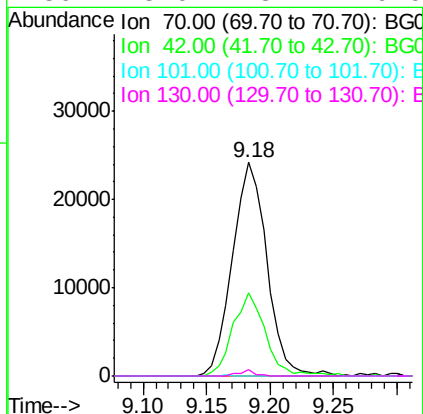
Ion Ratio Lower Upper

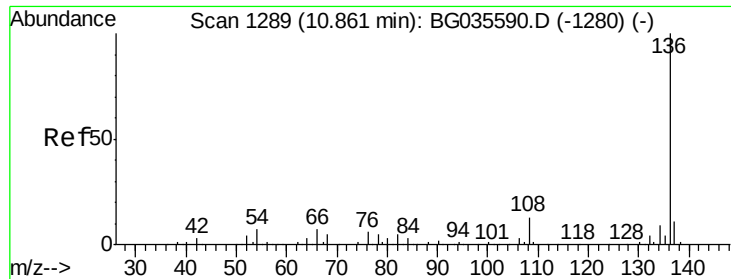
70 100

42 39.2 49.1 73.7#

101 0.0 8.5 12.7#

130 3.0 13.4 20.0#

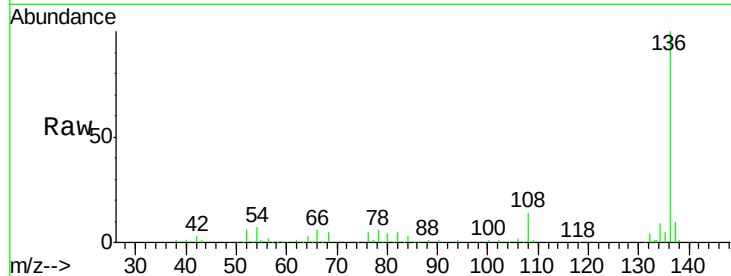




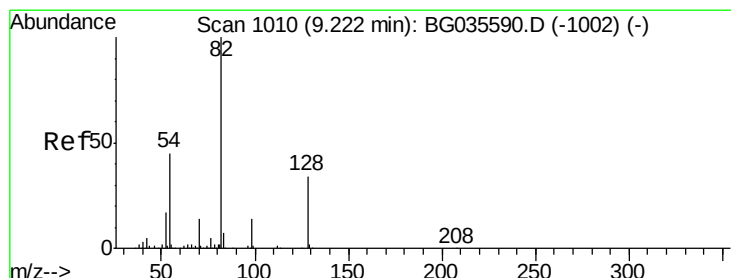
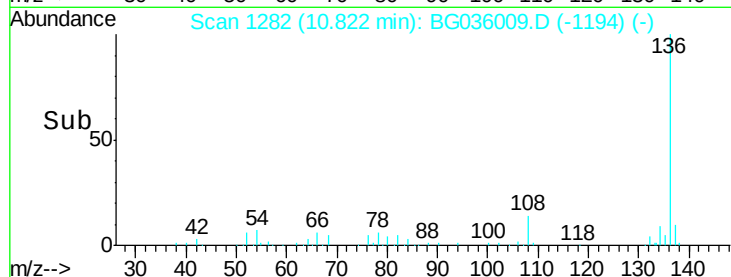
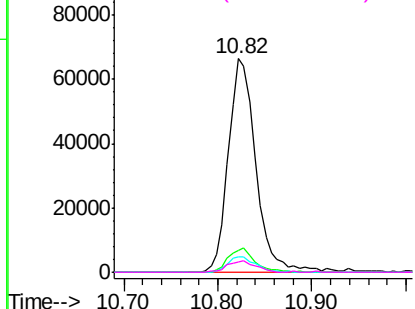
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

Instrument :
BNA_G
ClientSampled :
SOIL-1

Tgt Ion:	136	Resp:	135553
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.1	10.3	15.5#
68	4.9	4.5	6.7

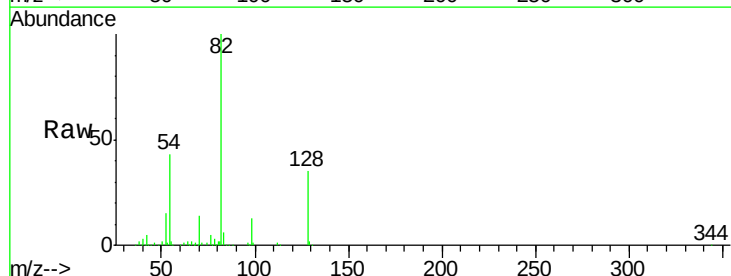


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

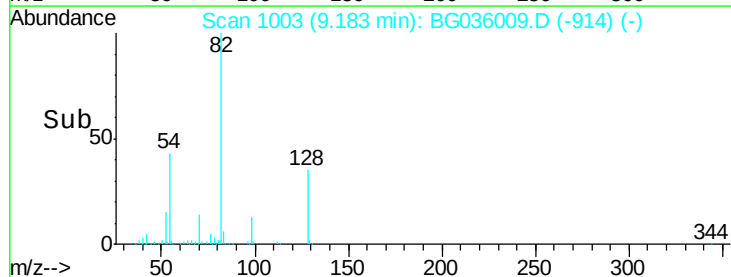
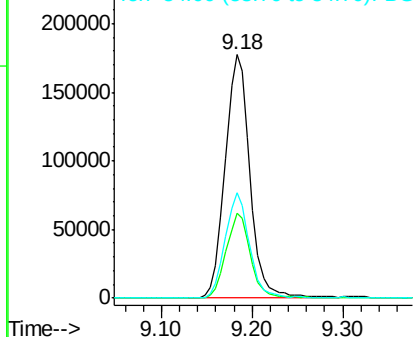


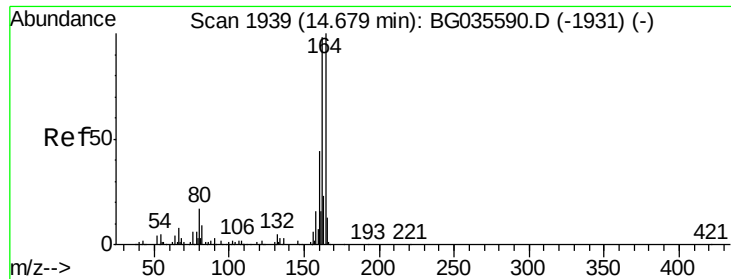
#23
Nitrobenzene-d5
Concen: 103.842 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

Tgt Ion:	82	Resp:	336951
Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	43.0	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: 14.65 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG036009.D

Acq: 31 Jul 2018 20:05

Instrument :

BNA_G

ClientSampleId :

SOIL-1

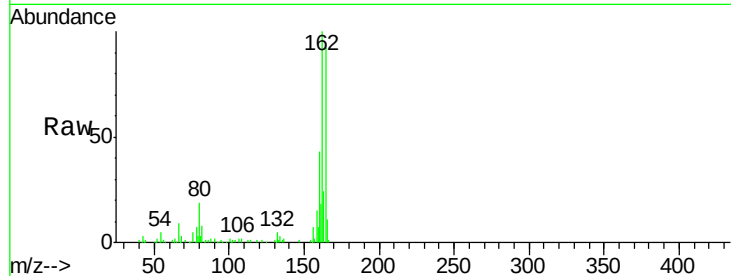
Tgt Ion:164 Resp: 94943

Ion Ratio Lower Upper

164 100

162 108.6 78.8 118.2

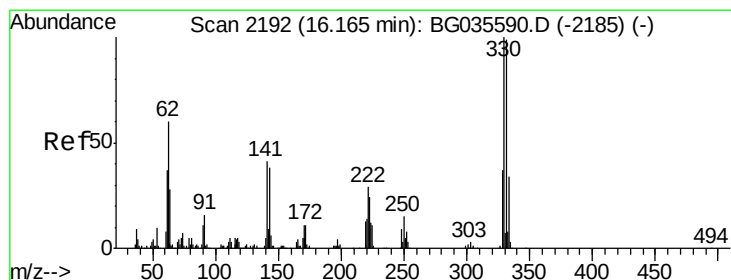
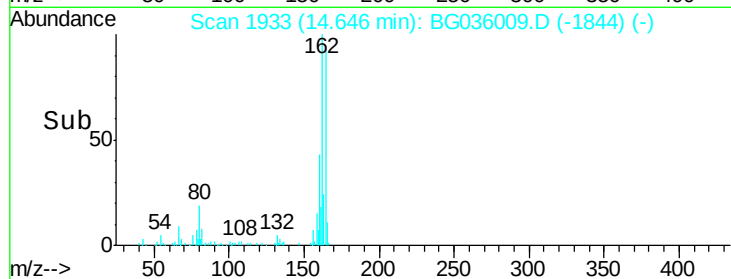
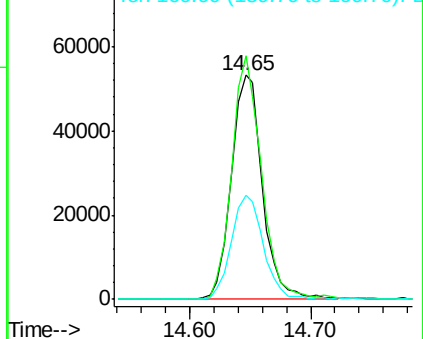
160 46.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 188.474 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG036009.D

Acq: 31 Jul 2018 20:05

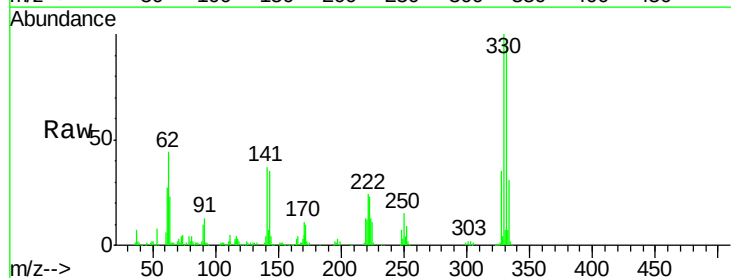
Tgt Ion:330 Resp: 235858

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

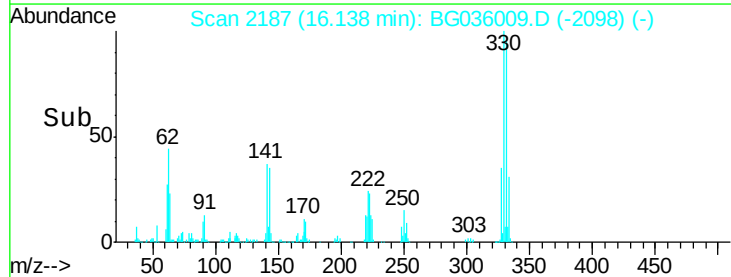
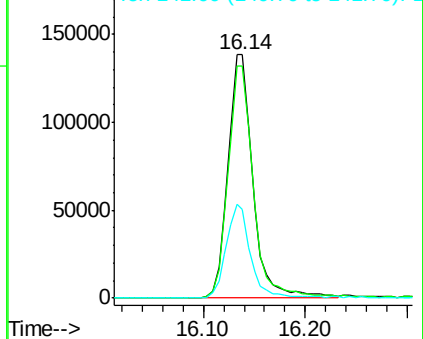
141 37.9 25.2 37.8#

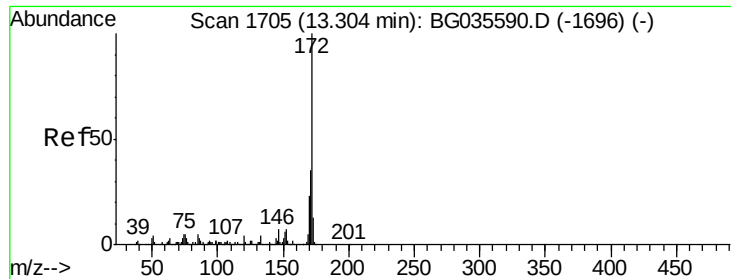


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

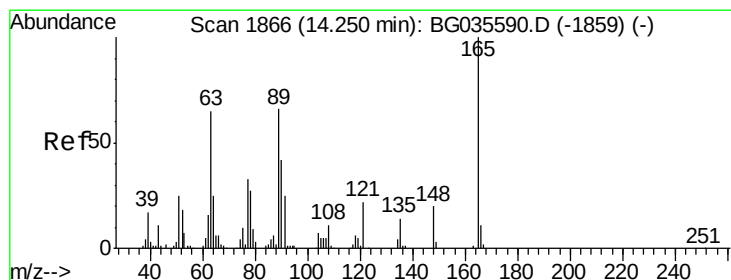
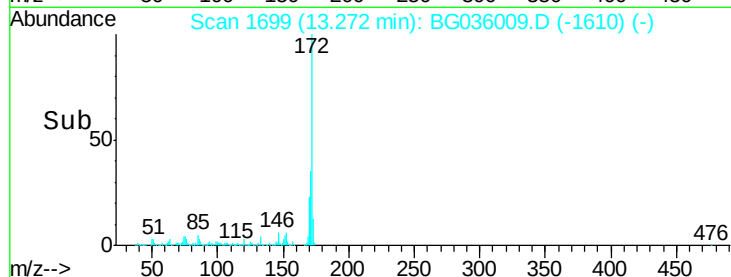
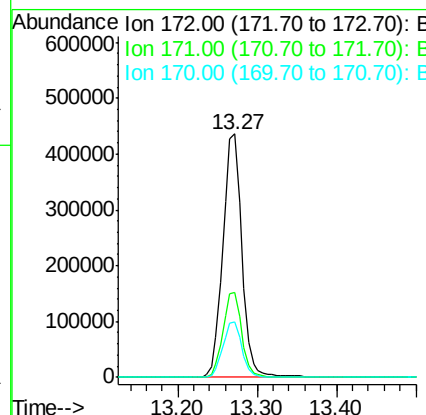
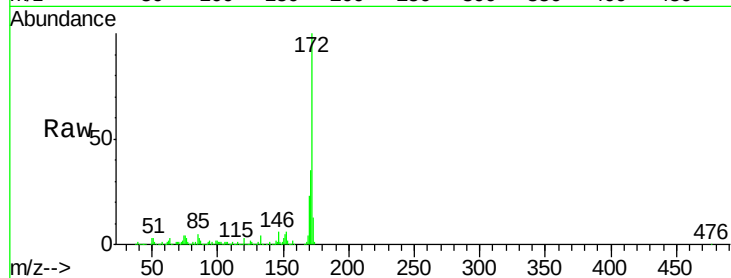




#44
 2-Fluorobiphenyl
 Concen: 102.454 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG036009.D
 Acq: 31 Jul 2018 20:05

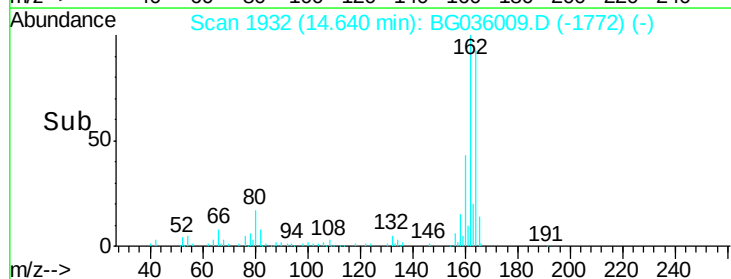
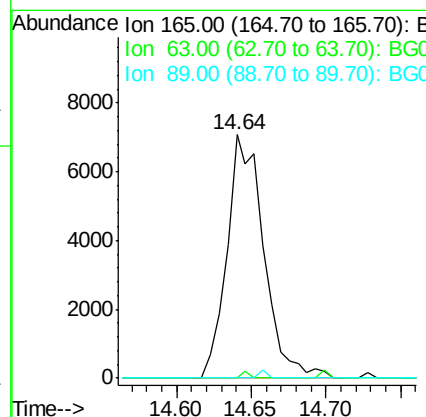
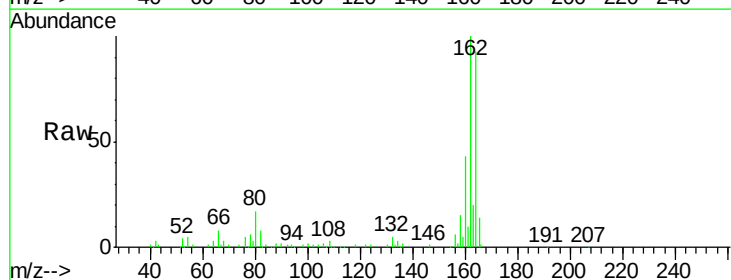
Instrument :
 BNA_G
 ClientSampled :
 SOIL-1

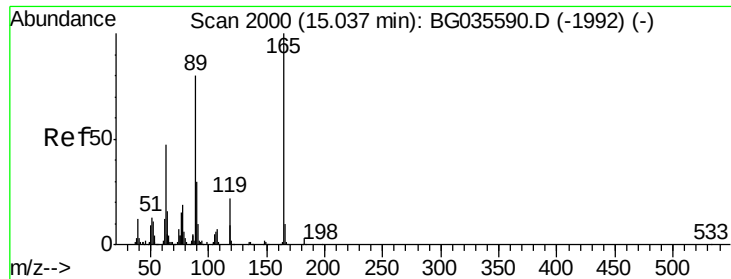
Tgt Ion:172 Resp: 726058
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.0 45.0
 170 22.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.183 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036009.D
 Acq: 31 Jul 2018 20:05

Tgt Ion:165 Resp: 12167
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

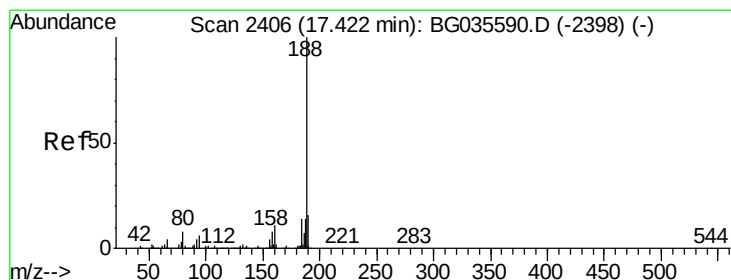
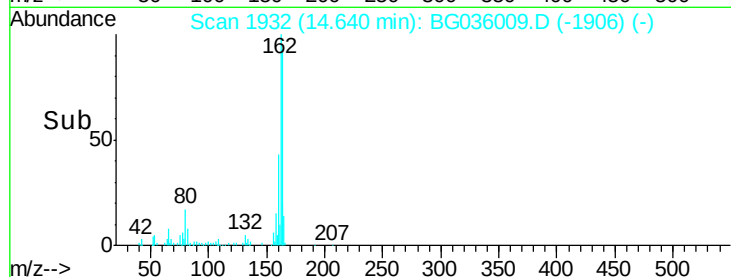
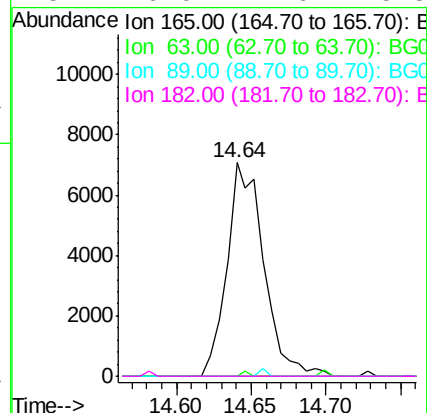
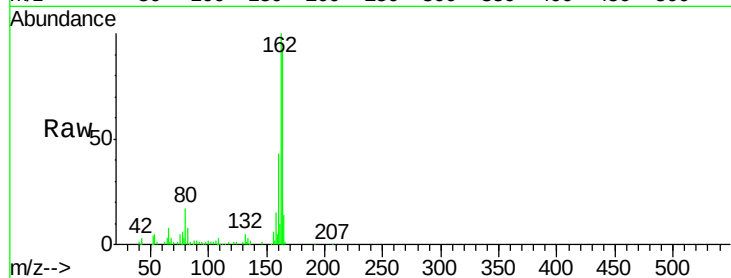




#56
2,4-Dinitrotoluene
Concen: 5.007 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.37 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

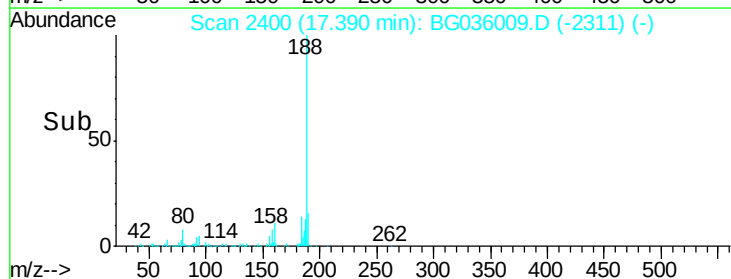
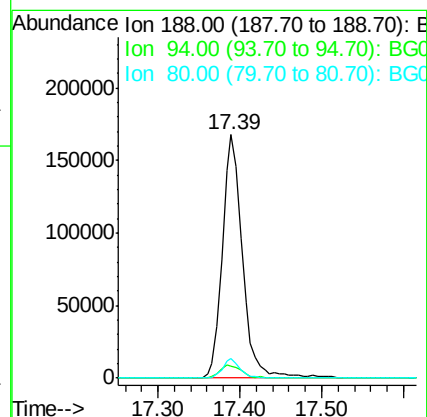
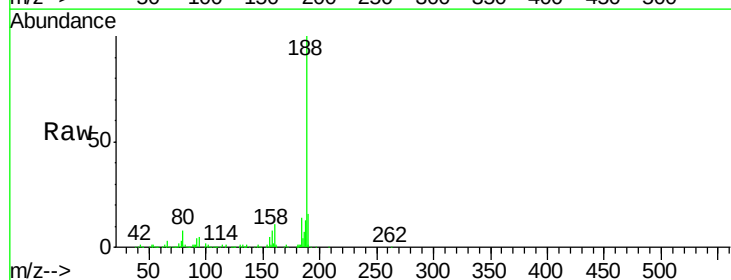
Instrument :
BNA_G
ClientSampleId :
SOIL-1

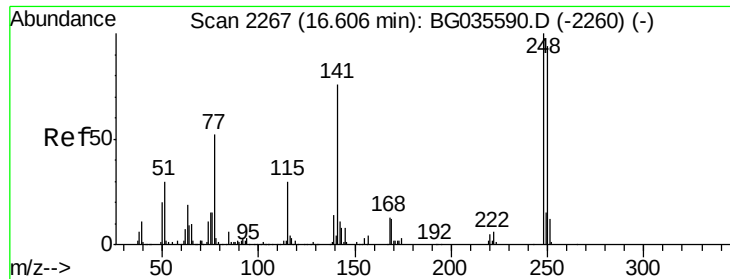
Tgt Ion:165 Resp: 12167
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2400
Delta R.T. -0.00 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

Tgt Ion:188 Resp: 286843
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 8.0 7.7 11.5

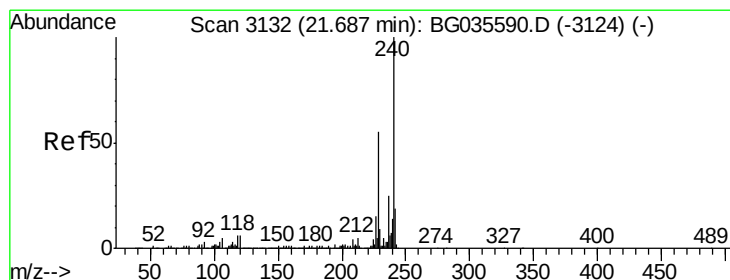
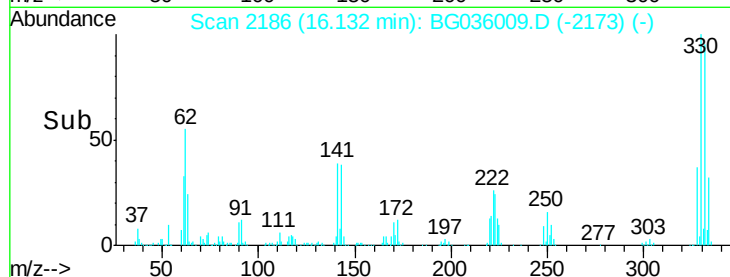
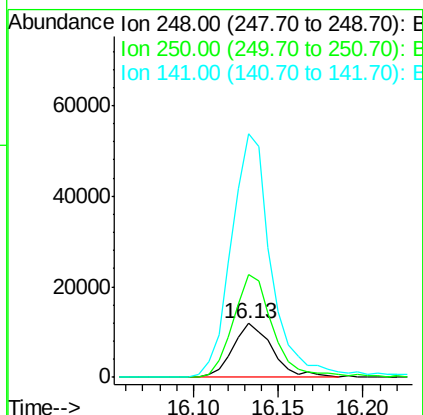
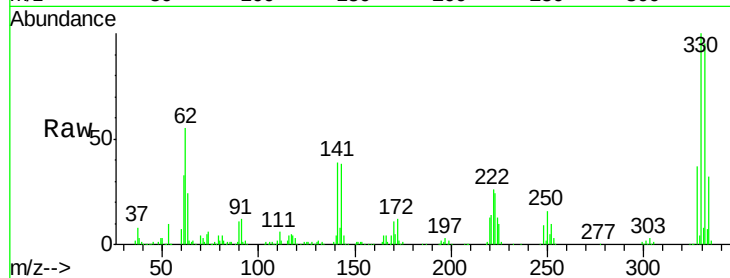




#66
4-Bromophenyl-phenylether
Concen: 5.854 ng
RT: 16.13 min Scan# 2186
Delta R.T. -0.45 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

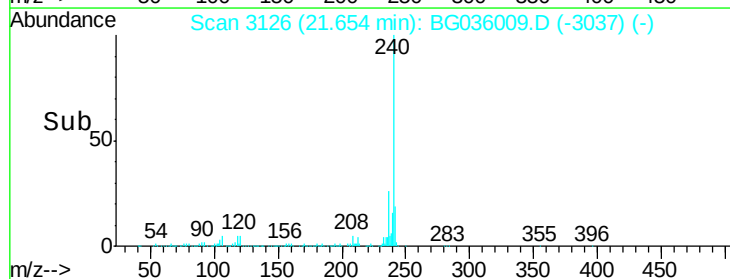
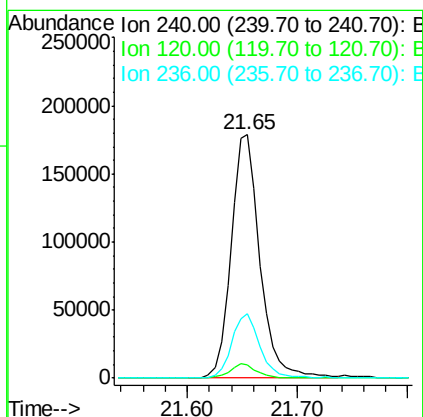
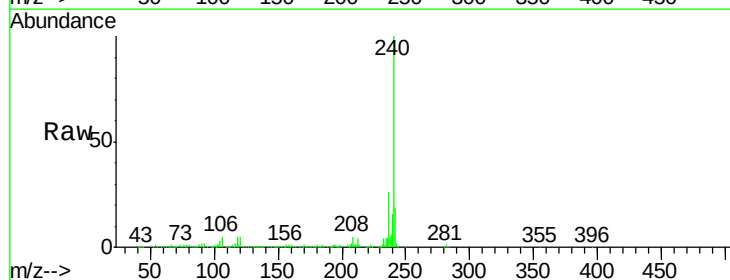
Instrument :
BNA_G
ClientSampled :
SOIL-1

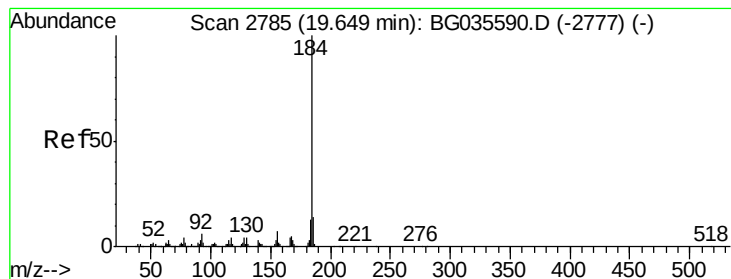
Tgt Ion:248 Resp: 19480
Ion Ratio Lower Upper
248 100
250 192.9 77.1 115.7#
141 454.1 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

Tgt Ion:240 Resp: 326401
Ion Ratio Lower Upper
240 100
120 5.2 6.8 10.2#
236 26.5 20.9 31.3





#76

Benzidine

Concen: 3.158 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036009.D

Acq: 31 Jul 2018 20:05

Instrument :

BNA_G

ClientSampleId :

SOIL-1

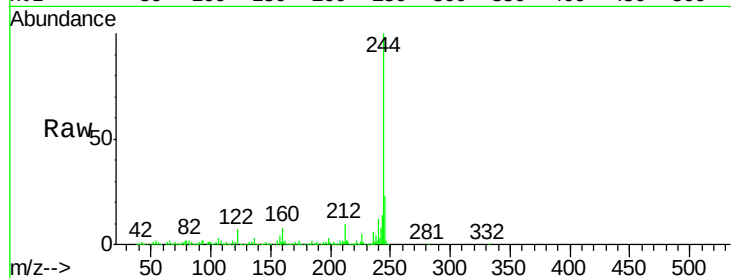
Tgt Ion:184 Resp: 27101

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

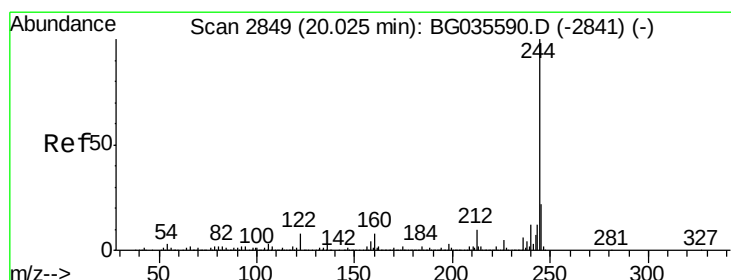
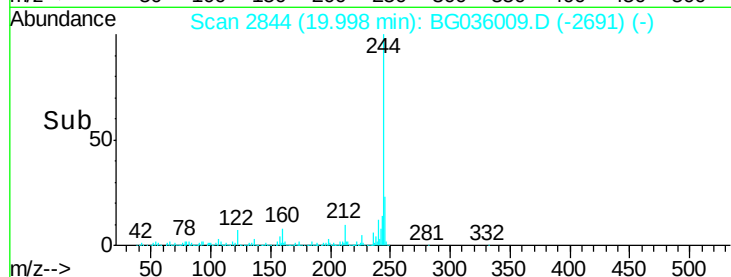
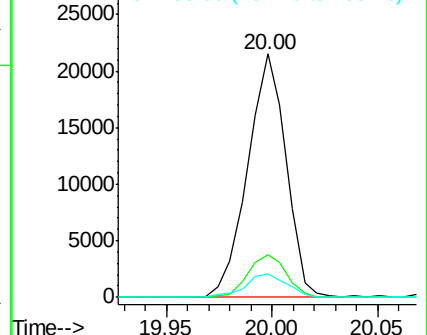
183 9.4 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 108.054 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG036009.D

Acq: 31 Jul 2018 20:05

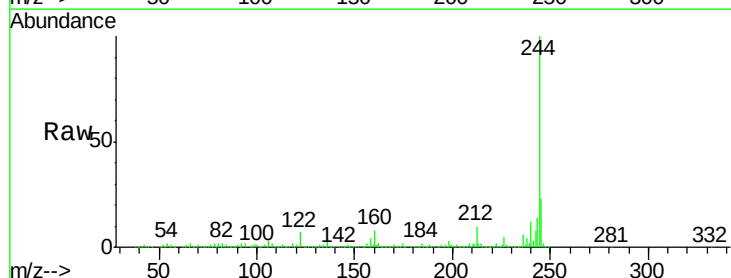
Tgt Ion:244 Resp: 1600003

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

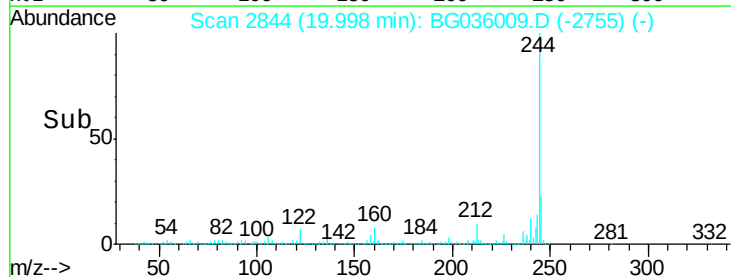
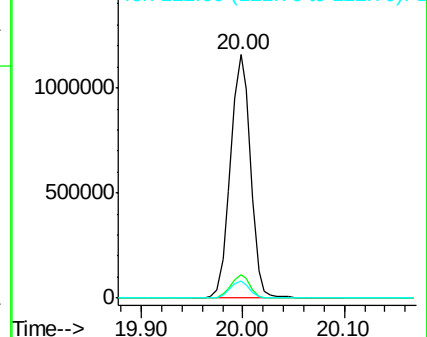
122 7.1 7.0 10.4

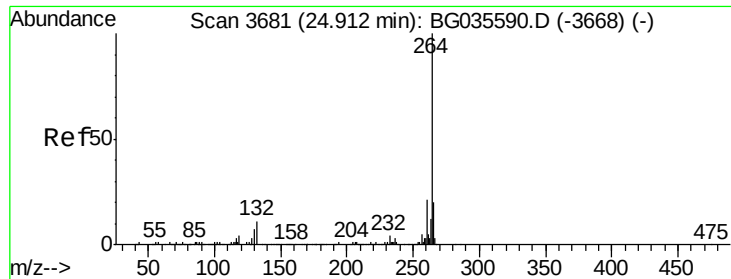


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3670
Delta R.T. -0.01 min
Lab File: BG036009.D
Acq: 31 Jul 2018 20:05

Instrument :
BNA_G
ClientSampleId :
SOIL-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.4	26.0
265	20.7	17.7	26.5

