

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073118\
 Data File : BG036010.D
 Acq On : 31 Jul 2018 20:44
 Operator : JU/SJ
 Sample : J4217-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

Quant Time: Aug 01 01:09:36 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

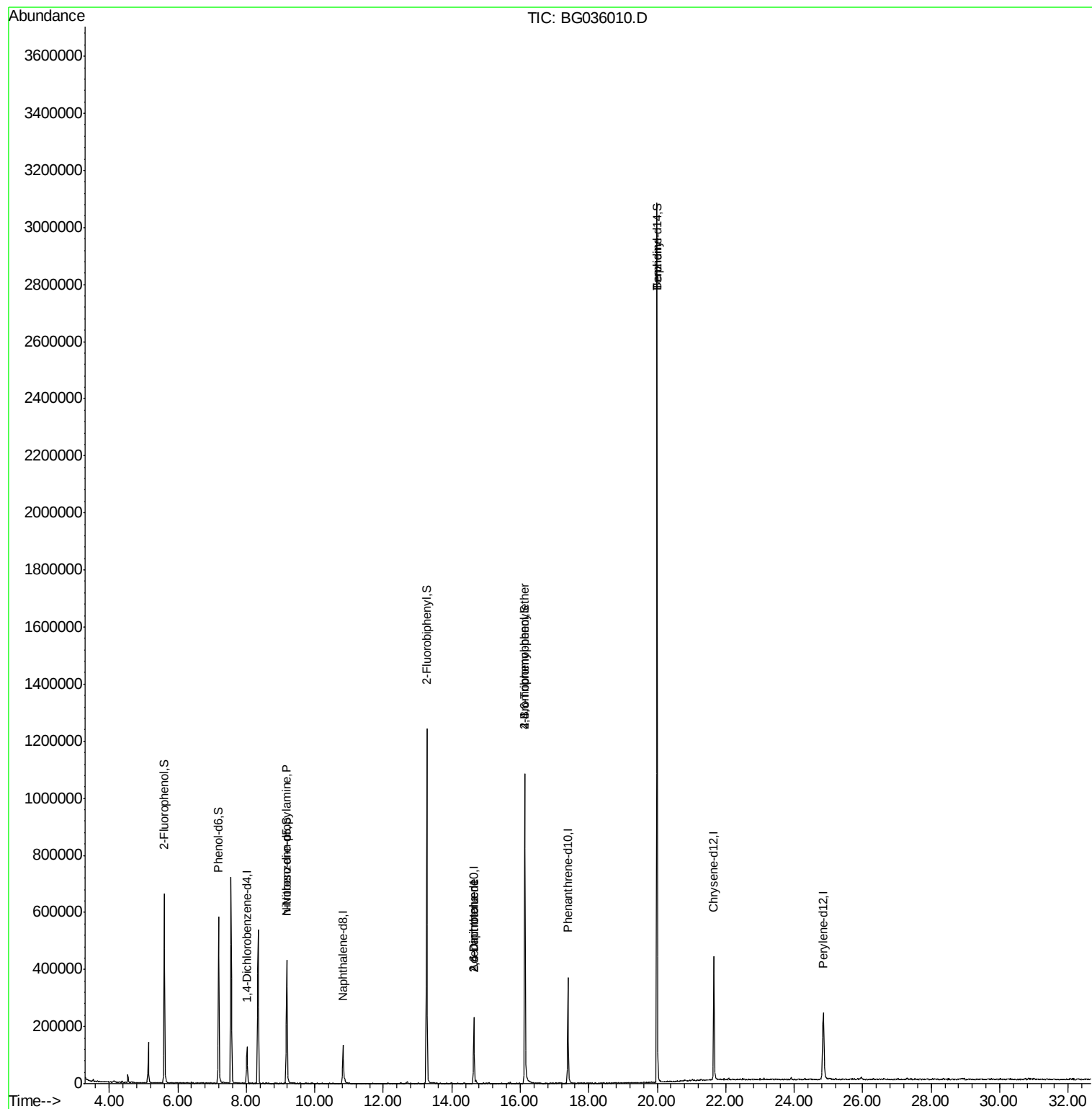
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	35370	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	126511	20.00	ng	0.00
38) Acenaphthene-d10	14.64	164	88963	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	267101	20.00	ng	0.00
75) Chrysene-d12	21.65	240	302999	20.00	ng	0.00
86) Perylene-d12	24.85	264	283502	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	295194	138.56	ng	0.00
7) Phenol-d6	7.19	99	376394	118.42	ng	0.00
23) Nitrobenzene-d5	9.19	82	308851	101.98	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	217533	185.52	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	680245	102.44	ng	0.00
78) Terphenyl-d14	20.00	244	1479450	107.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	42123	15.737	ng	# 67
50) 2,6-Dinitrotoluene	14.64	165	12099	7.623	ng	# 24
56) 2,4-Dinitrotoluene	14.64	165	12099	5.313	ng	# 21
66) 4-Bromophenyl-phenylether	16.14	248	18734	6.046	ng	# 1
76) Benzidine	20.00	184	26738	3.357	ng	# 87

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

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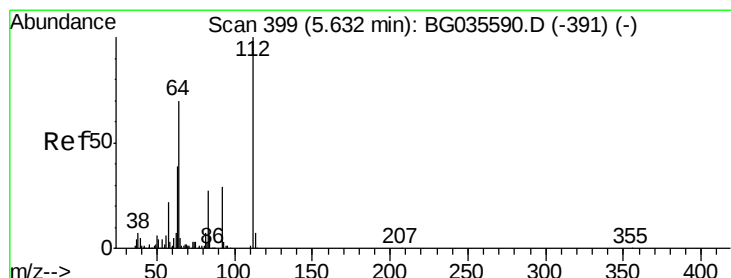
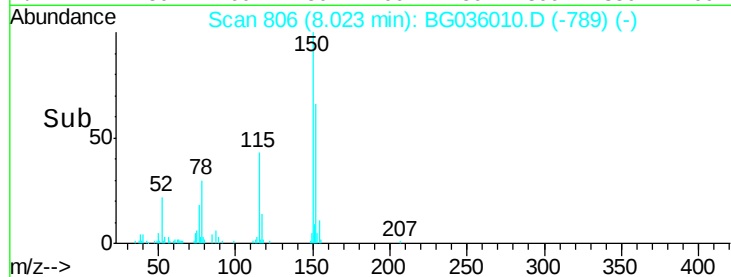
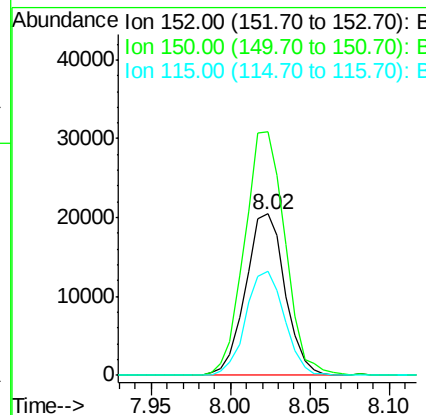
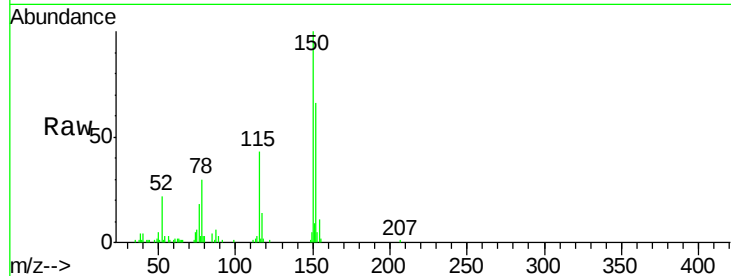


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036010.D
Acq: 31 Jul 2018 20:44

Instrument :
BNA_G
ClientSampleId :
SOIL-2

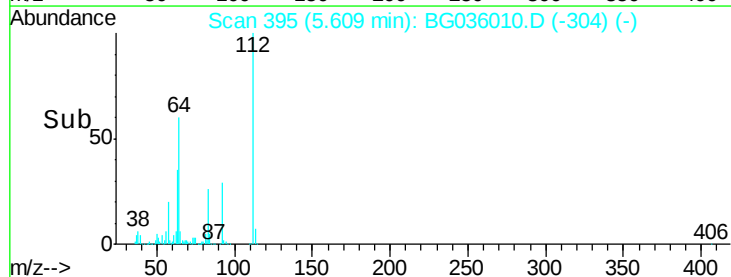
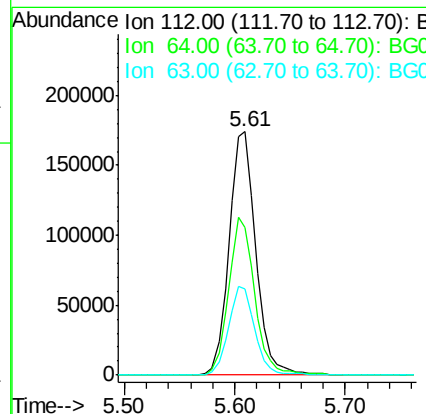
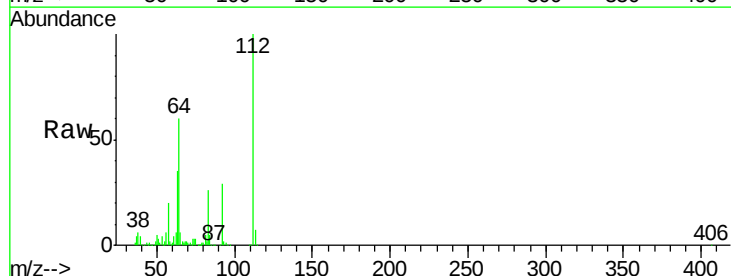
Tgt Ion:152 Resp: 35370
Ion Ratio Lower Upper
152 100
150 151.0 126.6 189.8
115 64.4 53.0 79.4

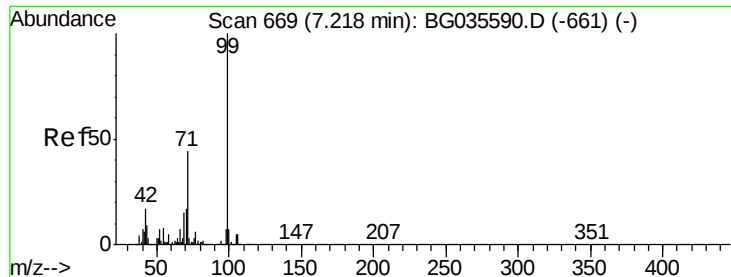


#5

2-Fluorophenol
Concen: 138.561 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG036010.D
Acq: 31 Jul 2018 20:44

Tgt Ion:112 Resp: 295194
Ion Ratio Lower Upper
112 100
64 60.4 56.3 84.5
63 35.2 30.1 45.1





#7

Phenol-d6

Concen: 118.416 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036010.D

Acq: 31 Jul 2018 20:44

Instrument :

BNA_G

ClientSampleId :

SOIL-2

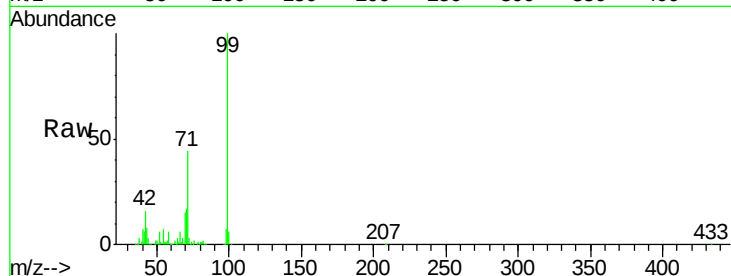
Tgt Ion: 99 Resp: 376394

Ion Ratio Lower Upper

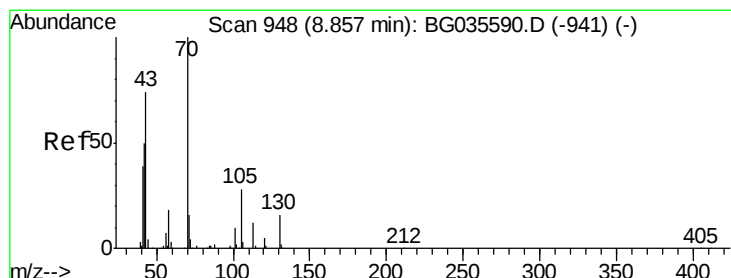
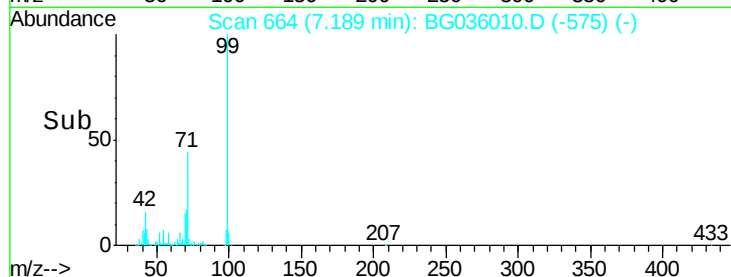
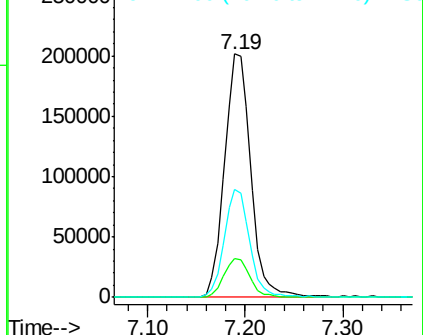
99 100

42 16.2 14.1 21.1

71 44.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.737 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036010.D

Acq: 31 Jul 2018 20:44

Tgt Ion: 70 Resp: 42123

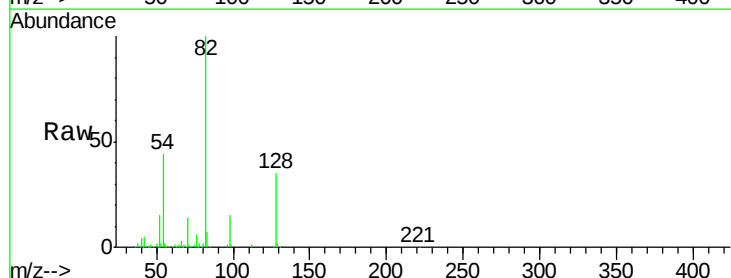
Ion Ratio Lower Upper

70 100

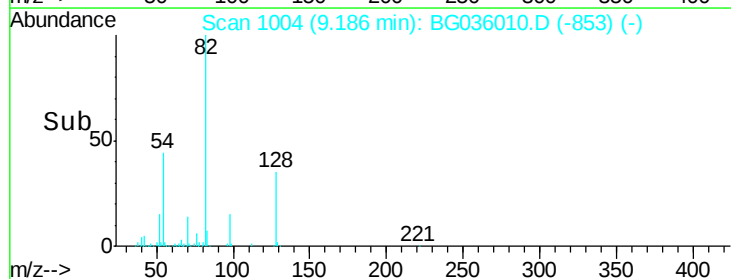
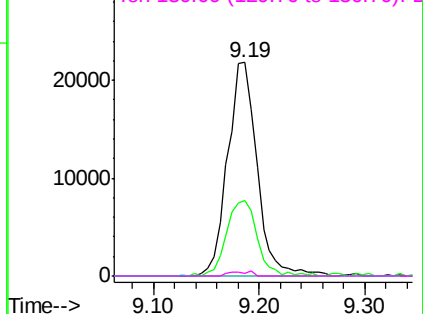
42 35.5 49.1 73.7#

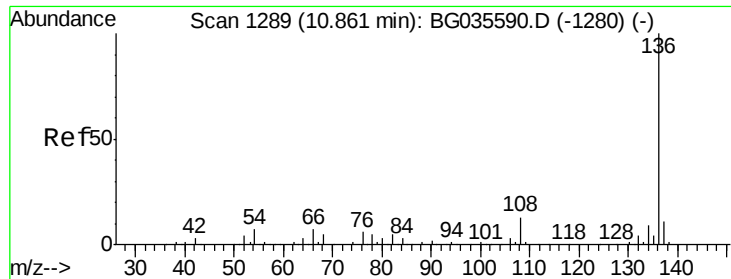
101 0.0 8.5 12.7#

130 1.4 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

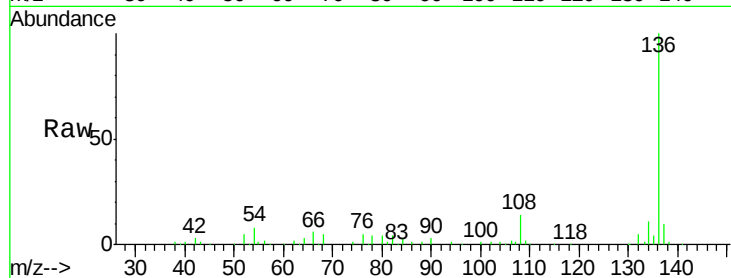




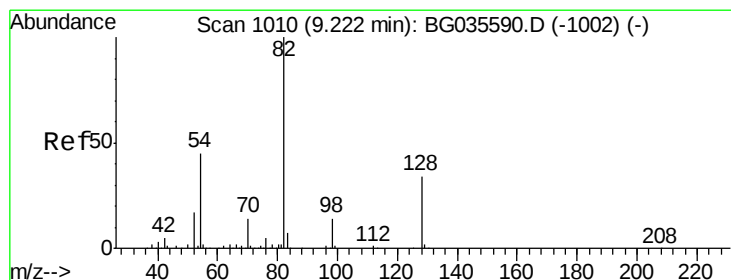
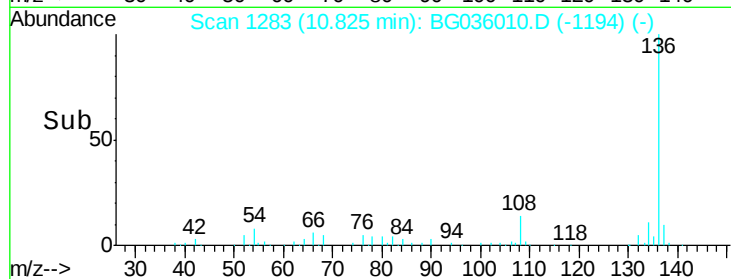
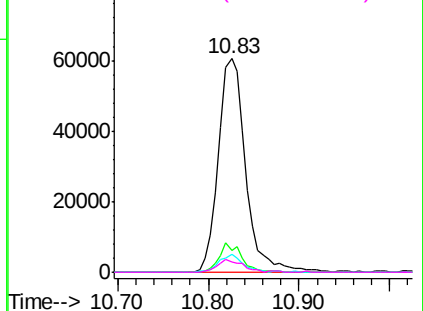
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036010.D
Acq: 31 Jul 2018 20:44

Instrument :
BNA_G
ClientSampleId :
SOIL-2

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	8.2	10.3	15.5
68	4.6	4.5	6.7

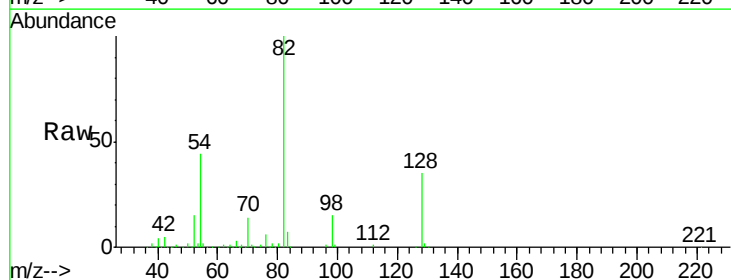


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

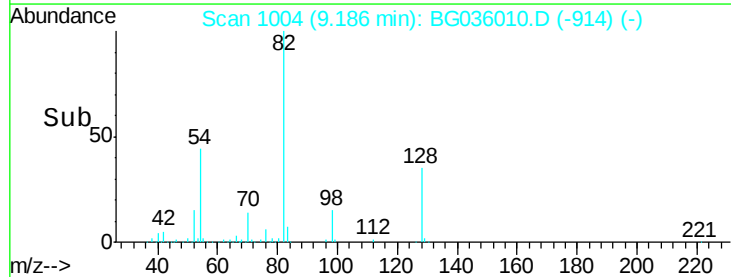
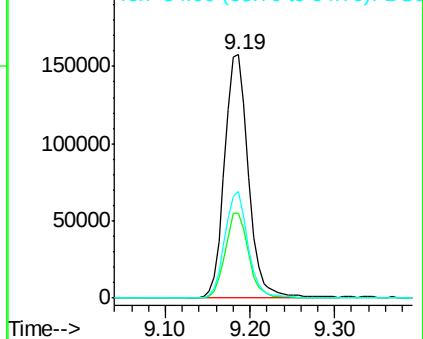


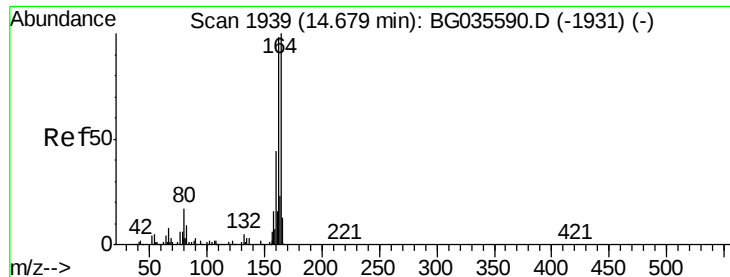
#23
Nitrobenzene-d5
Concen: 101.985 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG036010.D
Acq: 31 Jul 2018 20:44

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.9	29.7	44.5
54	43.6	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036010.D

Acq: 31 Jul 2018 20:44

Instrument :

BNA_G

ClientSampleId :

SOIL-2

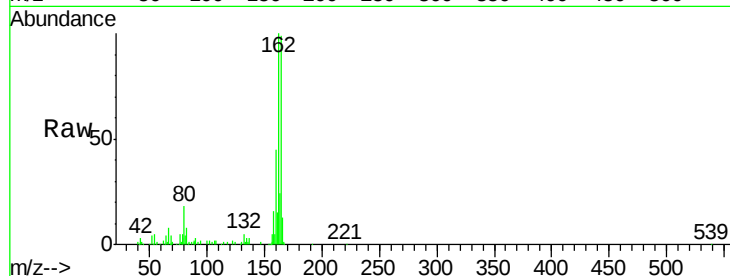
Tgt Ion:164 Resp: 88963

Ion Ratio Lower Upper

164 100

162 101.2 78.8 118.2

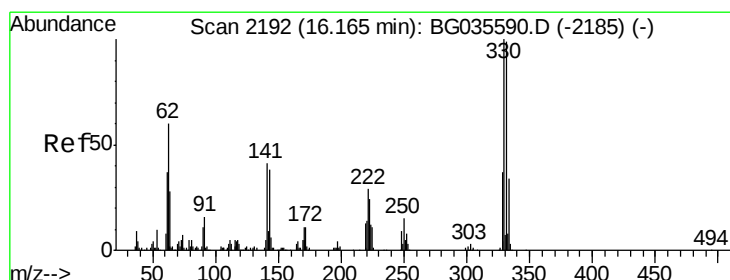
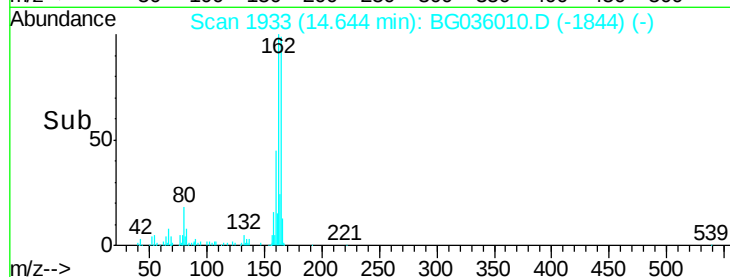
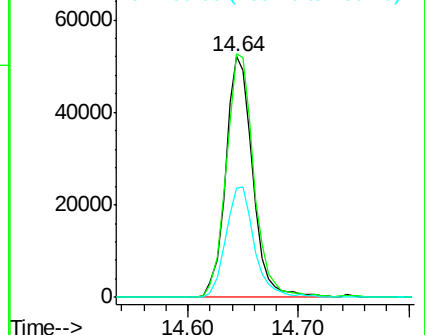
160 45.5 35.4 53.0



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: 185.515 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036010.D

Acq: 31 Jul 2018 20:44

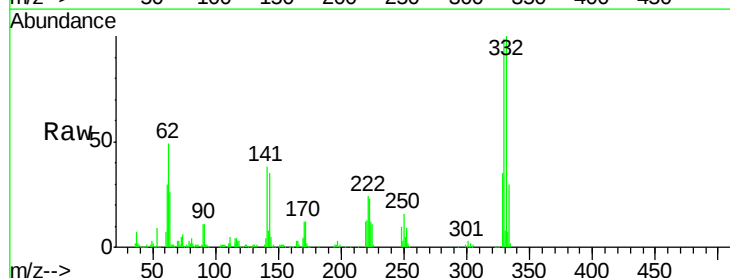
Tgt Ion:330 Resp: 217533

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

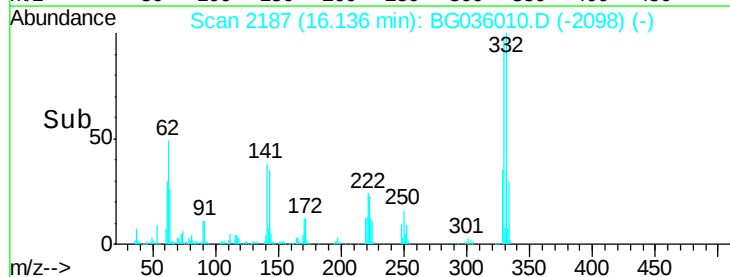
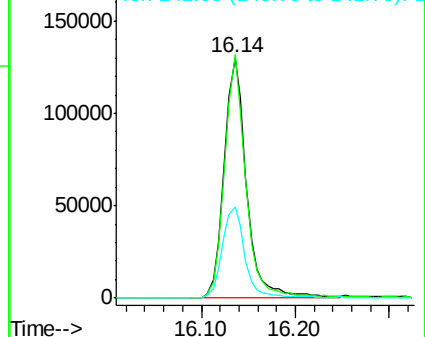
141 38.4 25.2 37.8#

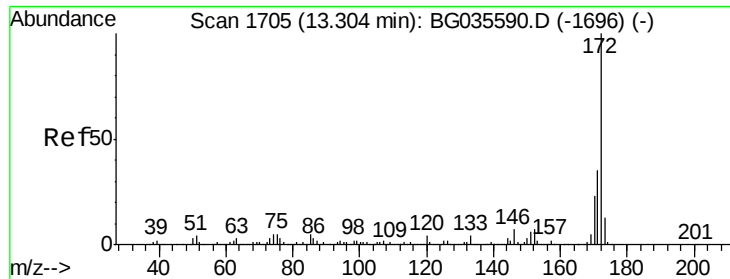


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

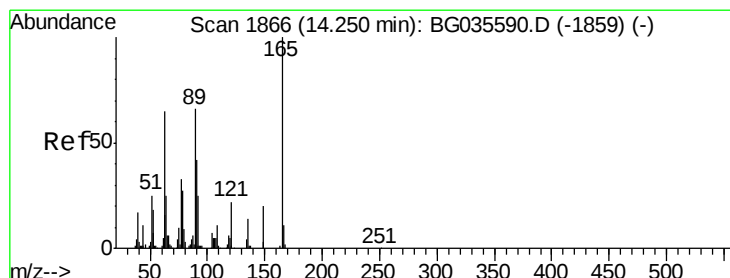
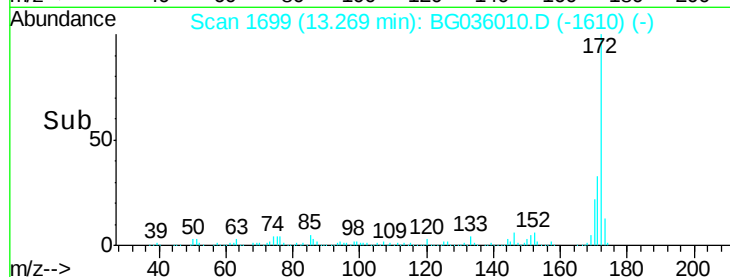
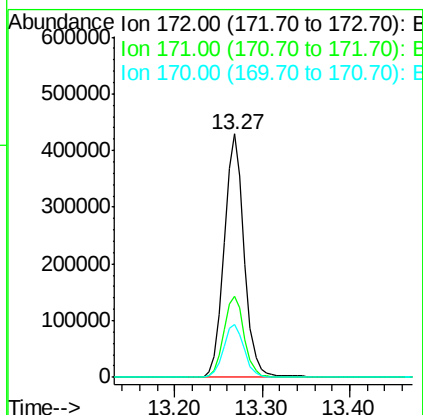
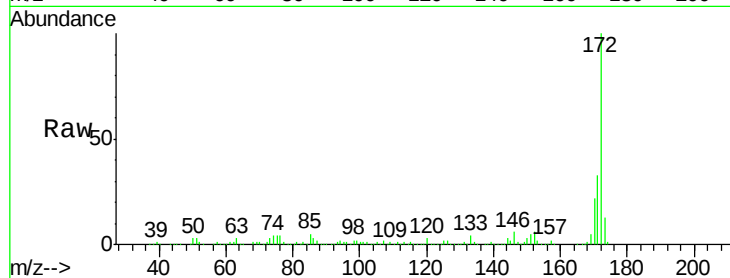




#44
 2-Fluorobiphenyl
 Concen: 102.442 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036010.D
 Acq: 31 Jul 2018 20:44

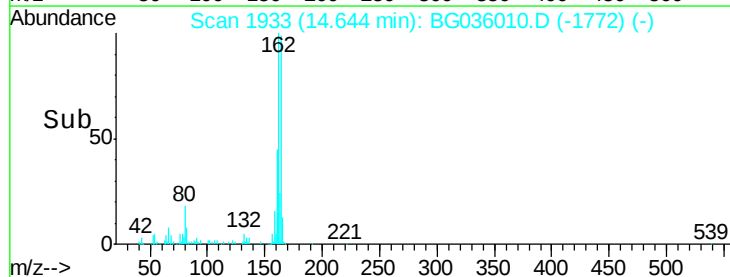
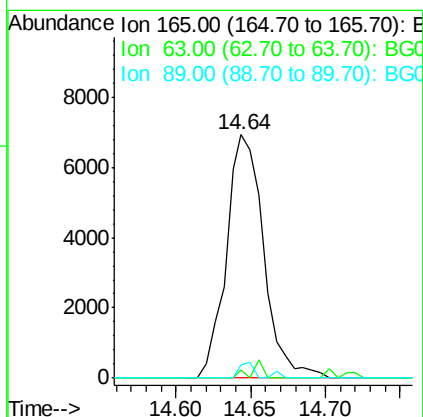
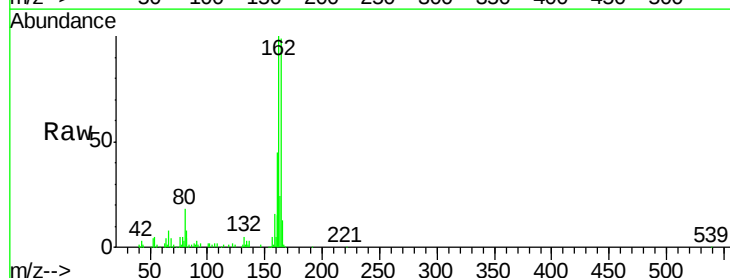
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

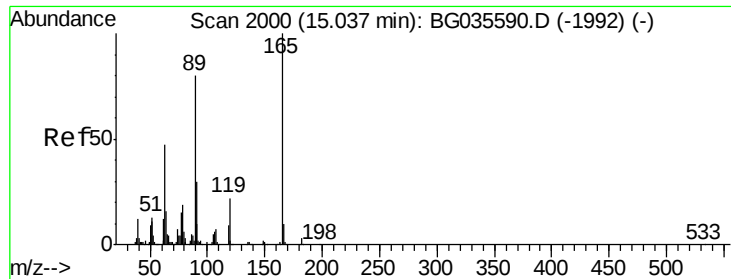
Tgt Ion:172 Resp: 680245
 Ion Ratio Lower Upper
 172 100
 171 33.5 30.0 45.0
 170 21.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.623 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG036010.D
 Acq: 31 Jul 2018 20:44

Tgt Ion:165 Resp: 12099
 Ion Ratio Lower Upper
 165 100
 63 3.1 52.7 79.1#
 89 5.3 49.2 73.8#

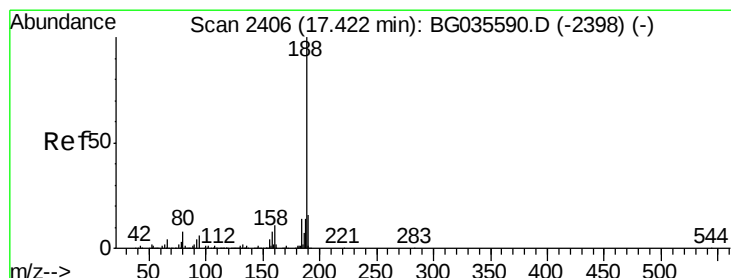
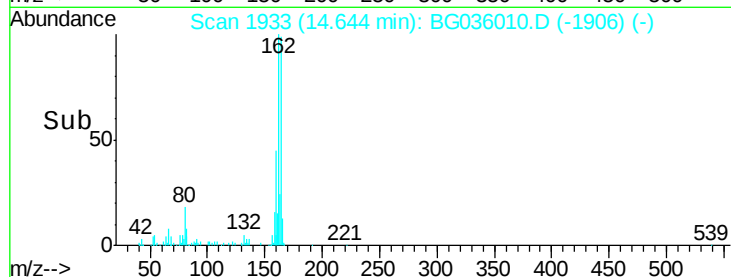
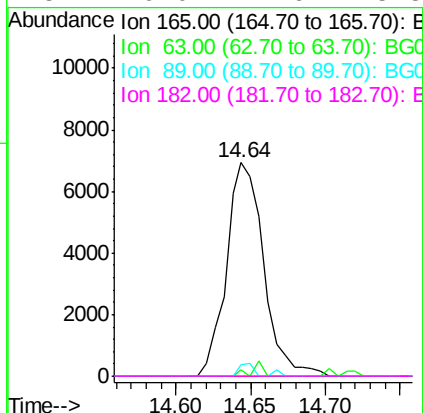
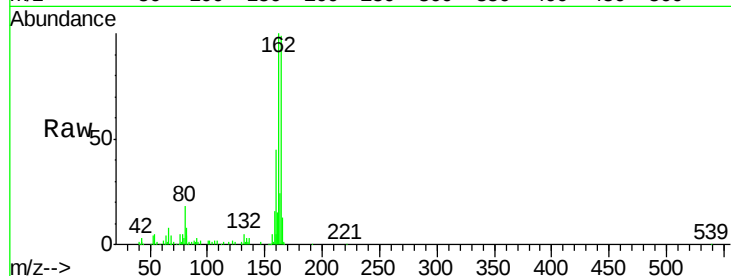




#56
 2,4-Dinitrotoluene
 Concen: 5.313 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG036010.D
 Acq: 31 Jul 2018 20:44

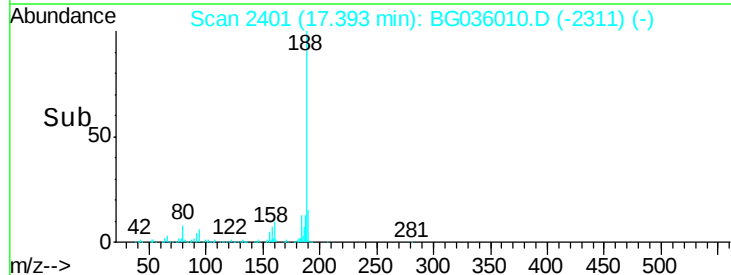
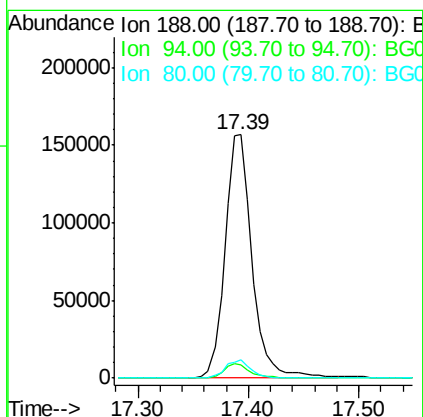
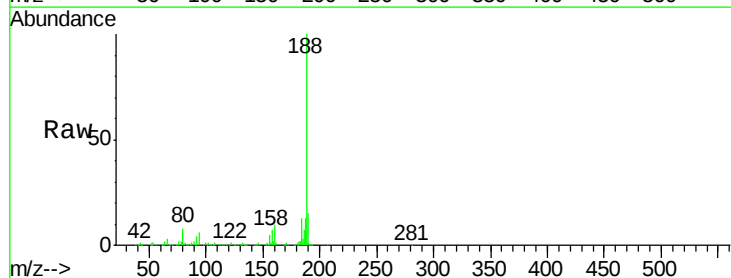
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

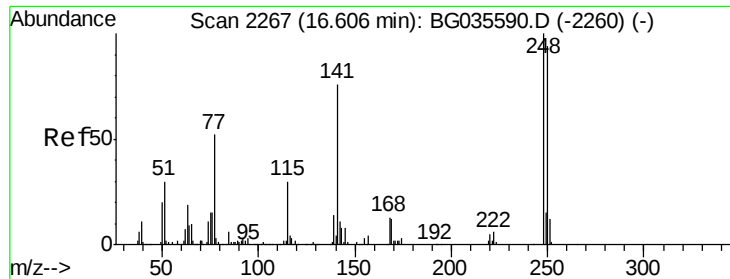
Tgt Ion:165 Resp: 12099
 Ion Ratio Lower Upper
 165 100
 63 3.1 42.0 63.0#
 89 5.3 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BG036010.D
 Acq: 31 Jul 2018 20:44

Tgt Ion:188 Resp: 267101
 Ion Ratio Lower Upper
 188 100
 94 5.6 6.9 10.3#
 80 7.6 7.7 11.5#

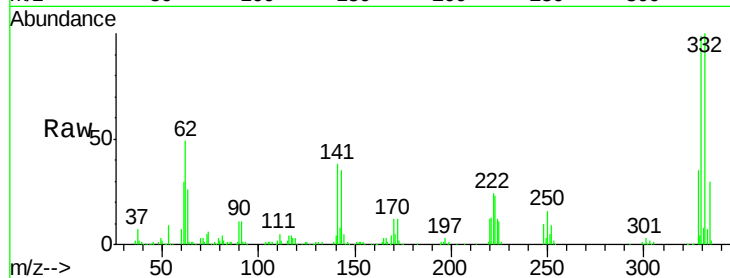




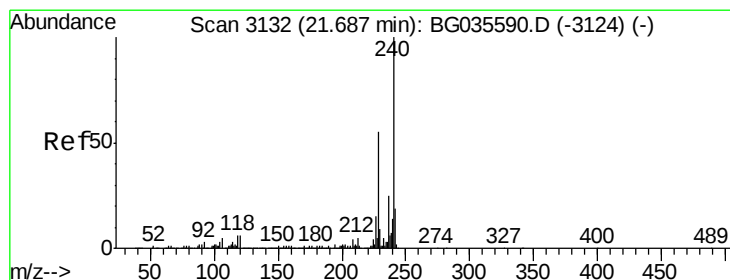
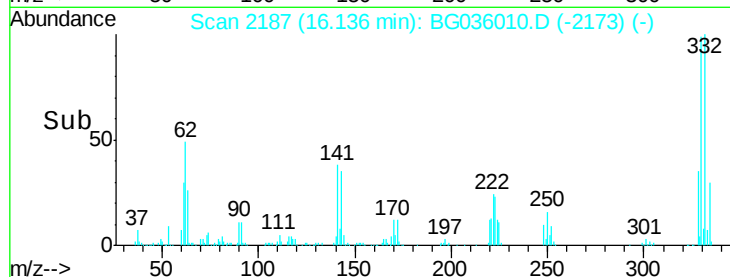
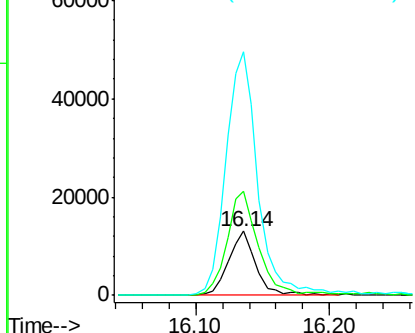
#66
4-Bromophenyl-phenylether
Concen: 6.046 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG036010.D
Acq: 31 Jul 2018 20:44

Instrument :
BNA_G
ClientSampleId :
SOIL-2

Tgt Ion:248 Resp: 18734
Ion Ratio Lower Upper
248 100
250 163.1 77.1 115.7#
141 380.0 50.8 76.2#

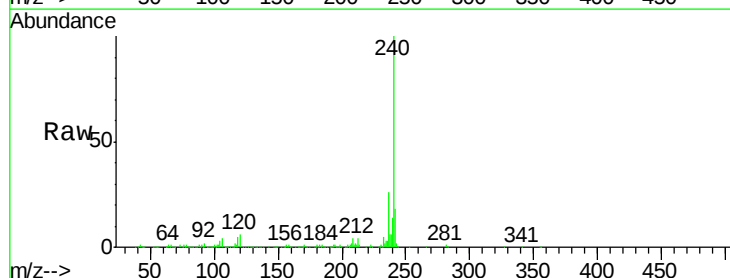


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

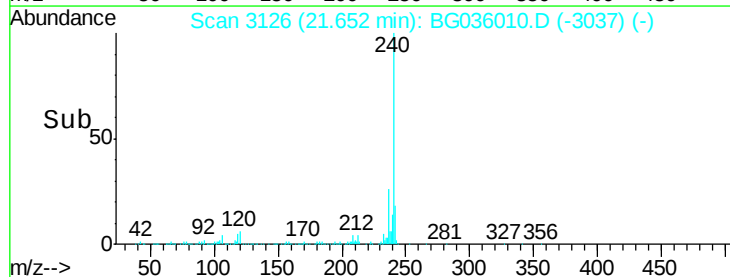
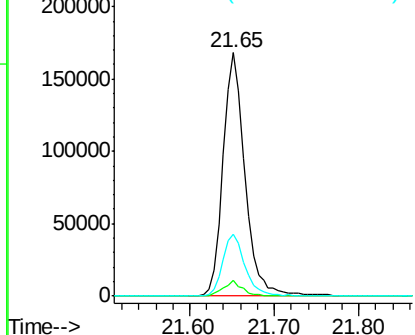


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BG036010.D
Acq: 31 Jul 2018 20:44

Tgt Ion:240 Resp: 302999
Ion Ratio Lower Upper
240 100
120 6.4 6.8 10.2#
236 25.5 20.9 31.3



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





#76

Benzidine

Concen: 3.357 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036010.D

Acq: 31 Jul 2018 20:44

Instrument :

BNA_G

ClientSampled :

SOIL-2

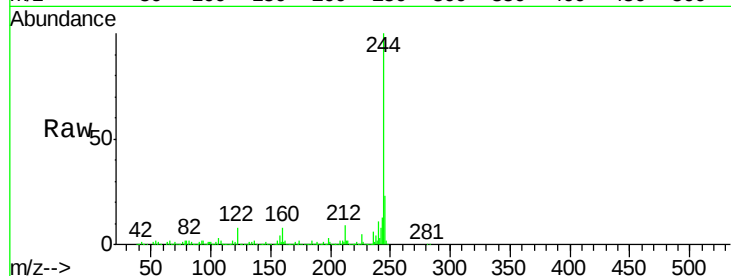
Tgt Ion:184 Resp: 26738

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

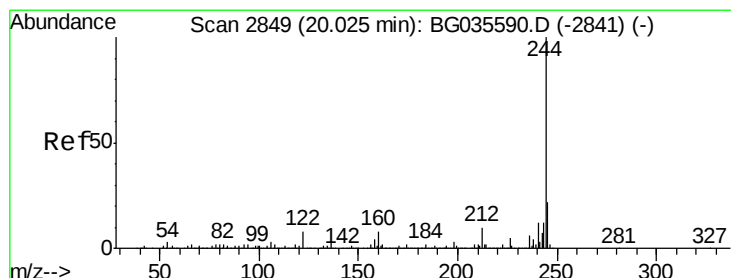
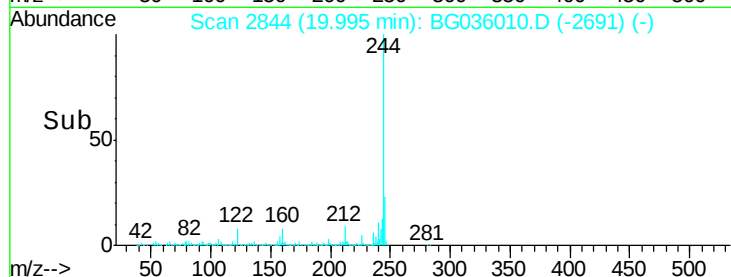
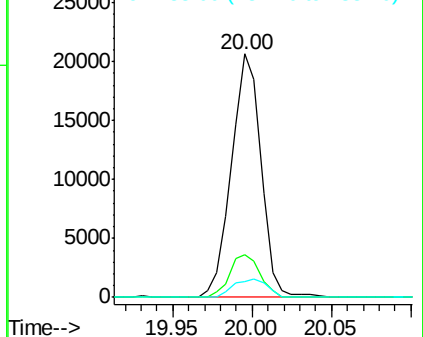
183 6.5 10.6 16.0#



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: 107.629 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036010.D

Acq: 31 Jul 2018 20:44

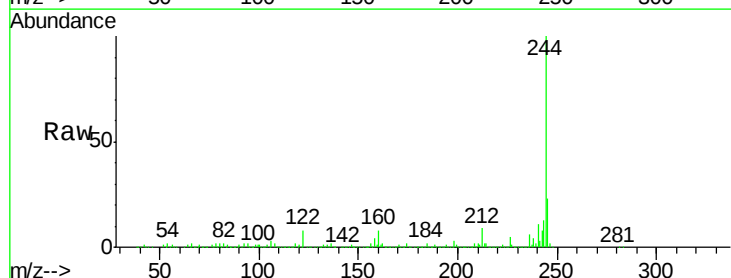
Tgt Ion:244 Resp: 1479450

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

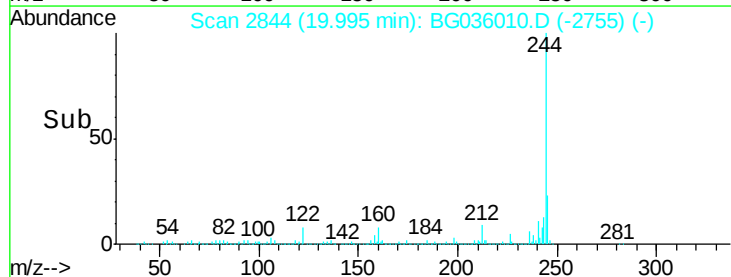
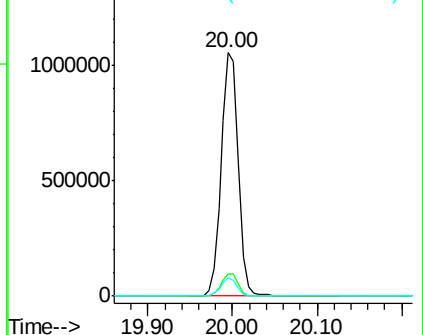
122 7.6 7.0 10.4

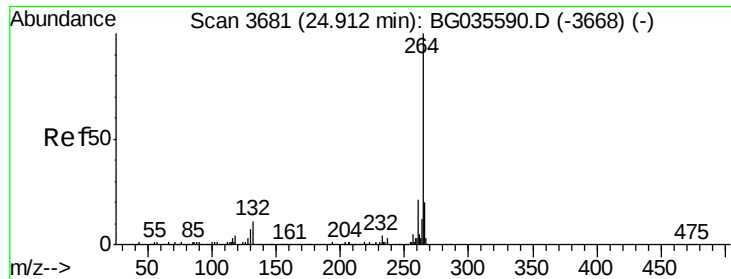


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG036010.D
 Acq: 31 Jul 2018 20:44

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	22.8	17.7	26.5

