

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080618\
 Data File : BG036154.D
 Acq On : 7 Aug 2018 9:11
 Operator : JU/SJ
 Sample : J4333-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3

Quant Time: Aug 07 10:44:49 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

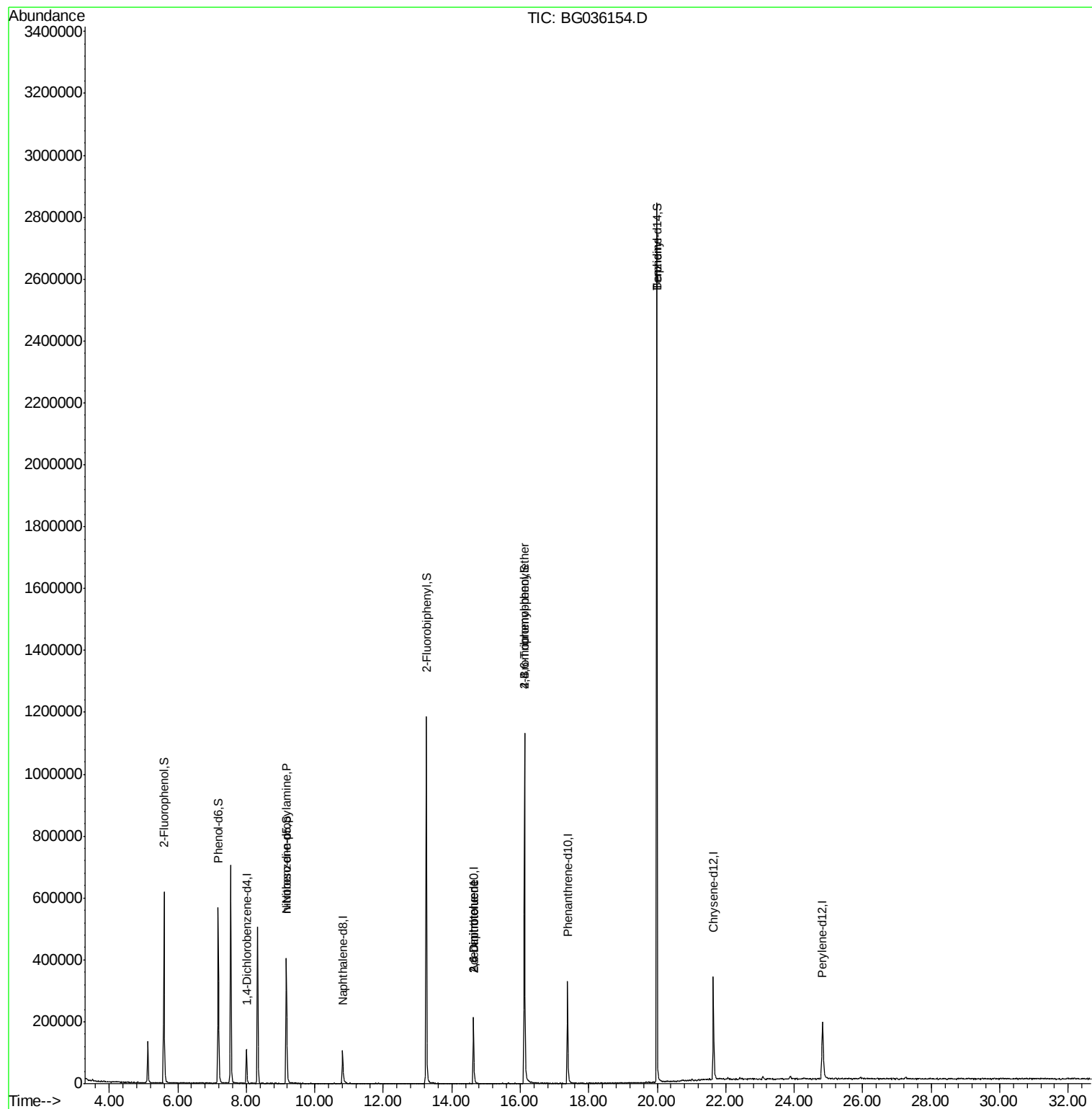
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	32783	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	112892	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	83329	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	245157	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	253875	20.00	ng	-0.02
86) Perylene-d12	24.83	264	229955	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	276189	139.87	ng	0.00
7) Phenol-d6	7.18	99	359577	122.05	ng	-0.01
23) Nitrobenzene-d5	9.17	82	291261	107.78	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	225824	205.61	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	691040	111.10	ng	-0.02
78) Terphenyl-d14	19.99	244	1374704	119.36	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	40467	16.312	ng	# 67
50) 2,6-Dinitrotoluene	14.64	165	10808	7.270	ng	# 20
56) 2,4-Dinitrotoluene	14.64	165	10808	5.067	ng	# 18
66) 4-Bromophenyl-phenylether	16.12	248	18005	6.330	ng	# 1
76) Benzidine	19.98	184	25261	3.785	ng	# 89

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

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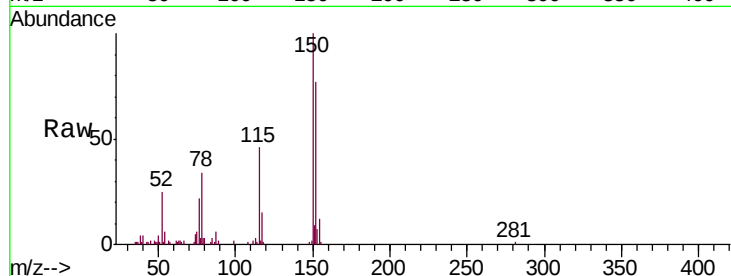


#1

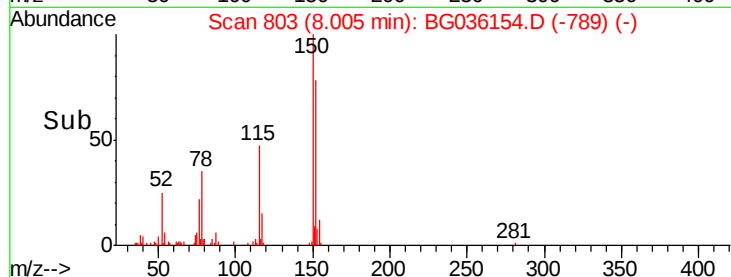
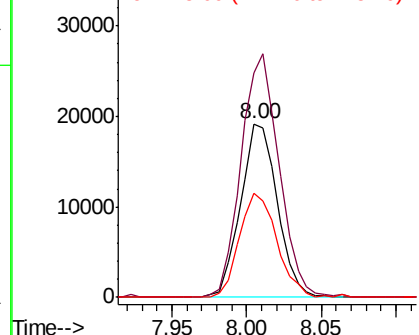
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

Instrument :
BNA_G
ClientSampleId :
SOIL-3

Tgt Ion:152 Resp: 32783
Ion Ratio Lower Upper
152 100
150 129.5 126.6 189.8
115 60.1 53.0 79.4



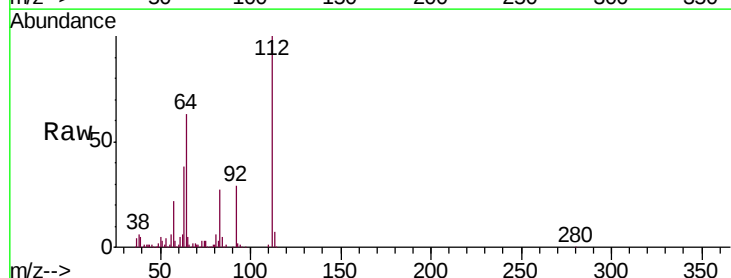
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



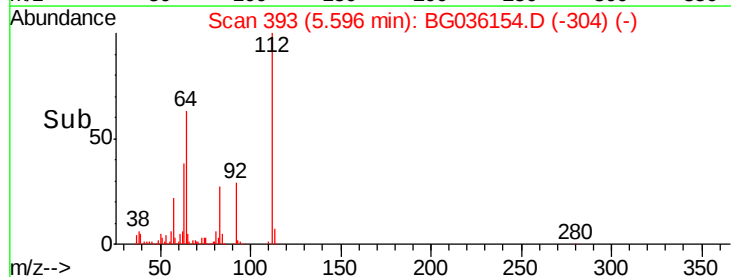
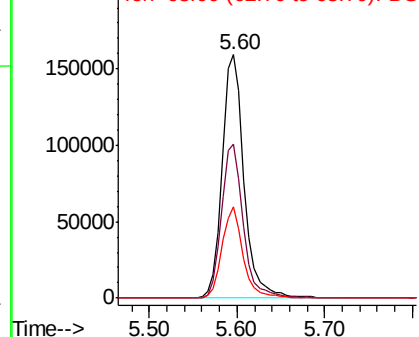
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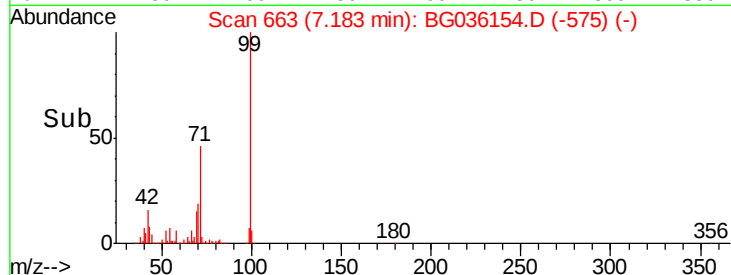
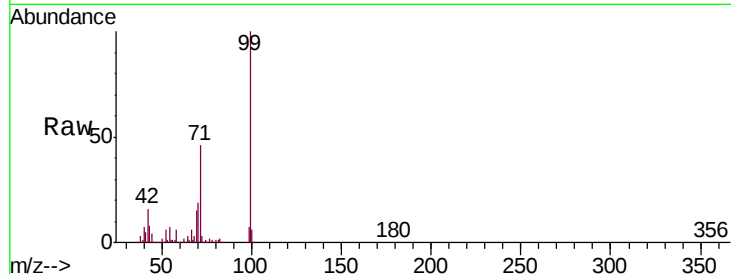
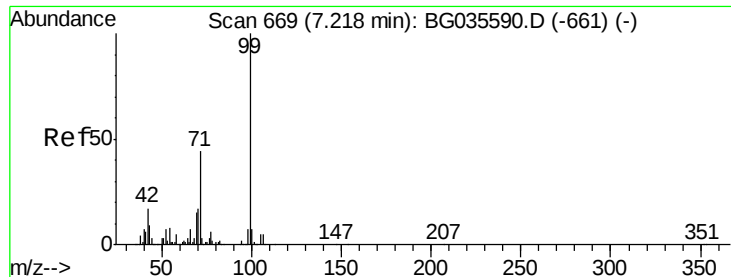
2-Fluorophenol
Concen: 139.871 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

Tgt Ion:112 Resp: 276189
Ion Ratio Lower Upper
112 100
64 63.1 56.3 84.5
63 37.7 30.1 45.1



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: 122.053 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

SOIL-3

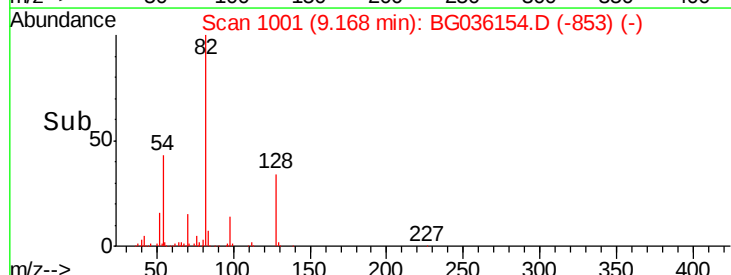
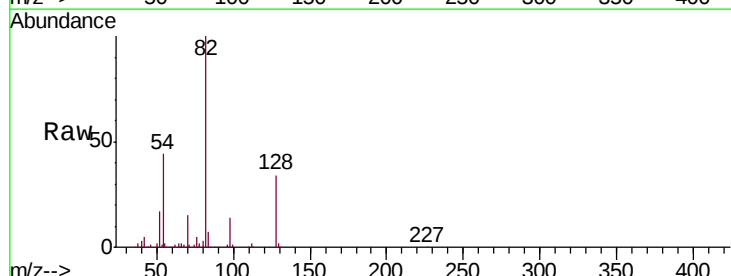
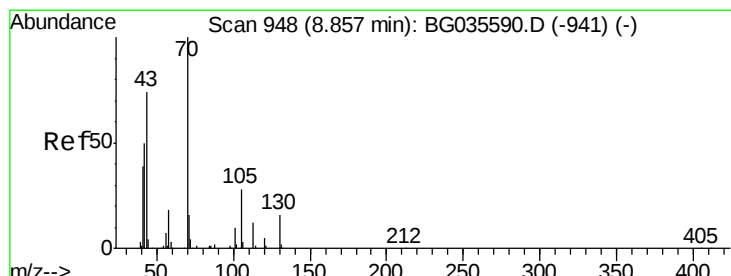
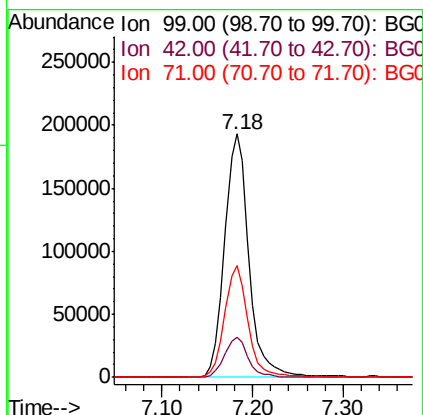
Tgt Ion: 99 Resp: 359577

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

71 46.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.312 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Tgt Ion: 70 Resp: 40467

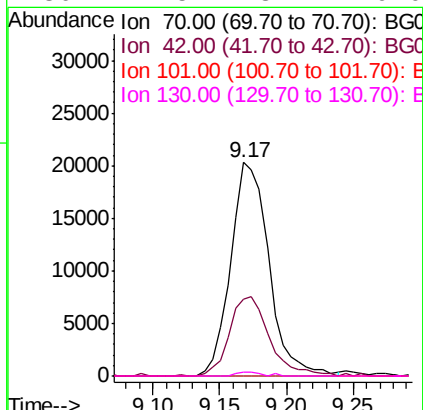
Ion Ratio Lower Upper

70 100

42 35.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

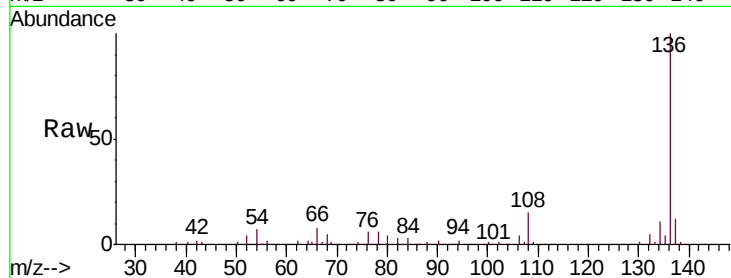




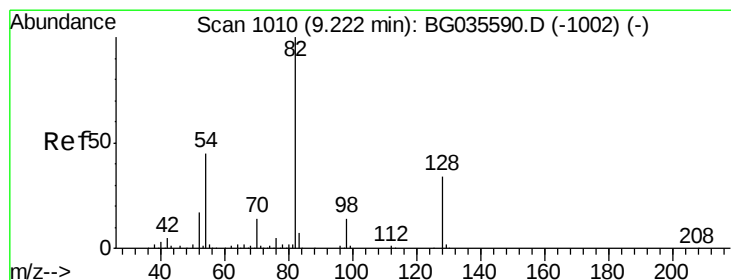
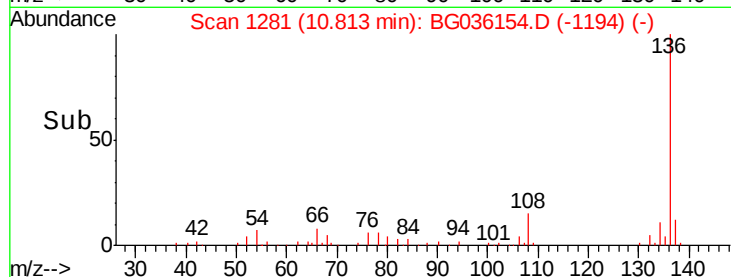
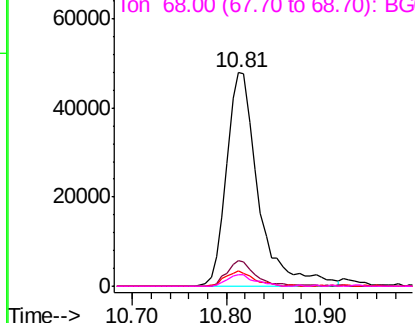
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

Instrument :
BNA_G
ClientSampleId :
SOIL-3

Tgt Ion:	136	Resp:	112892
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	7.2	10.3	15.5#
68	5.1	4.5	6.7

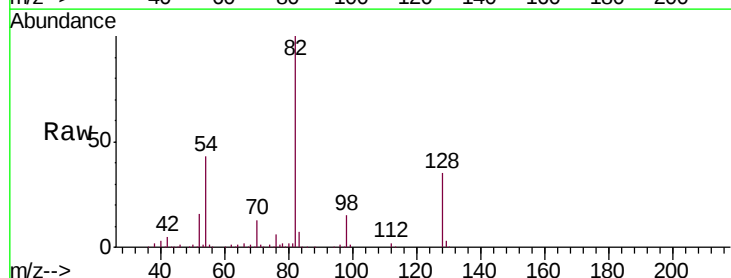


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

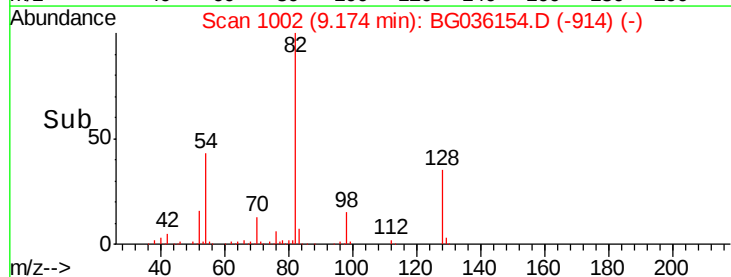
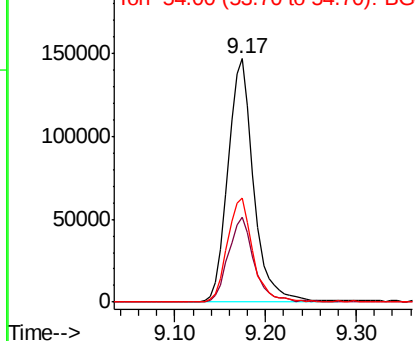


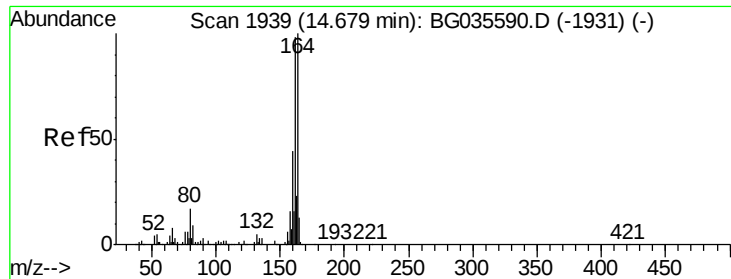
#23
Nitrobenzene-d5
Concen: 107.779 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

Tgt Ion:	82	Resp:	291261
Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.7	44.5
54	42.8	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: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

SOIL-3

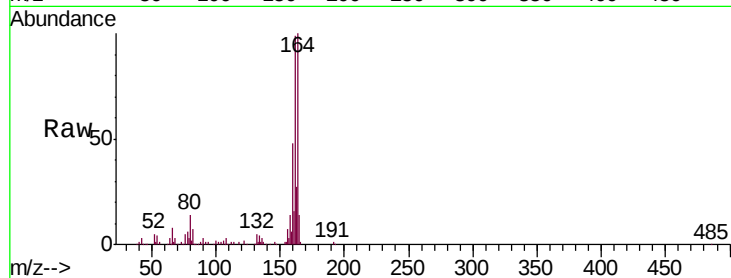
Tgt Ion:164 Resp: 83329

Ion Ratio Lower Upper

164 100

162 98.9 78.8 118.2

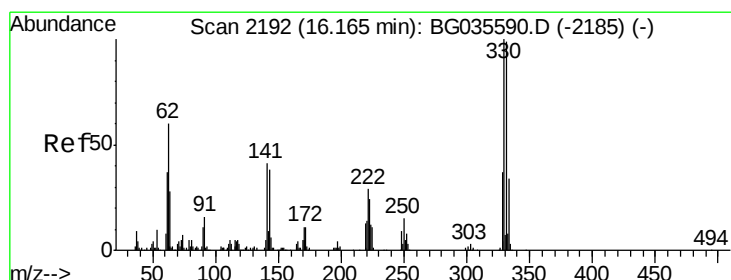
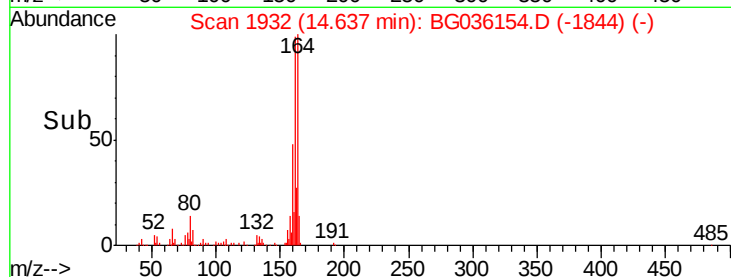
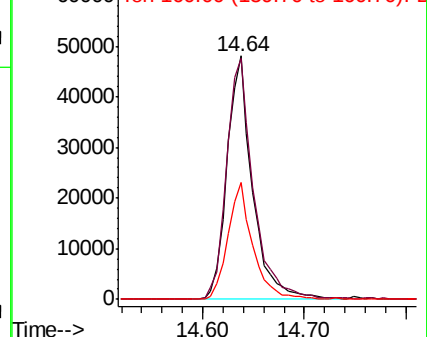
160 48.2 35.4 53.0



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: 205.607 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

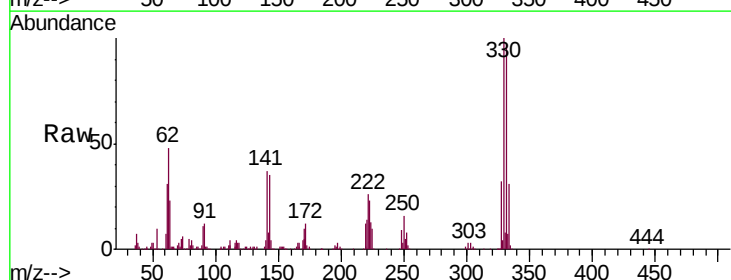
Tgt Ion:330 Resp: 225824

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

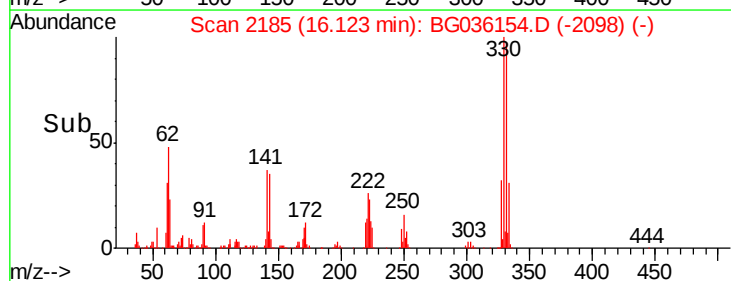
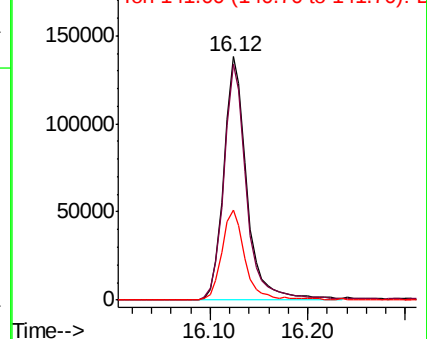
141 36.9 25.2 37.8

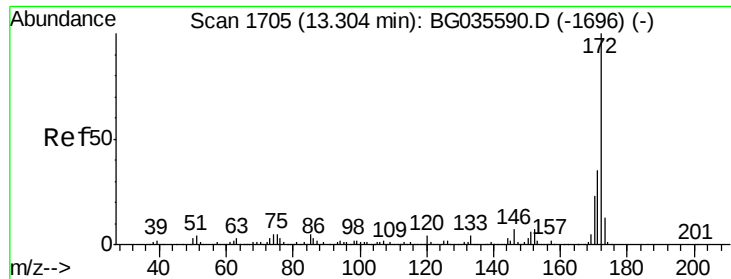


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

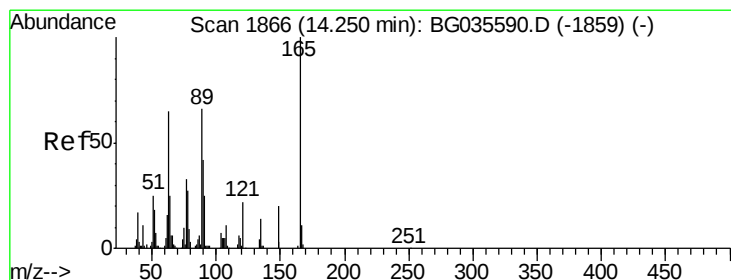
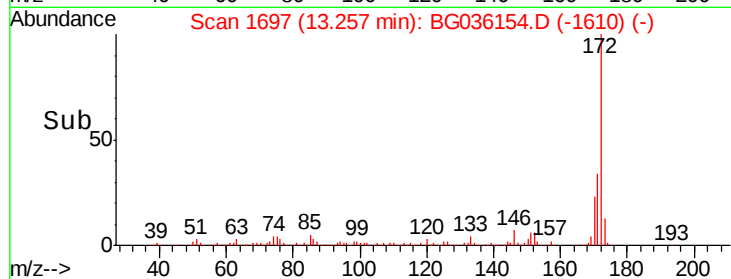
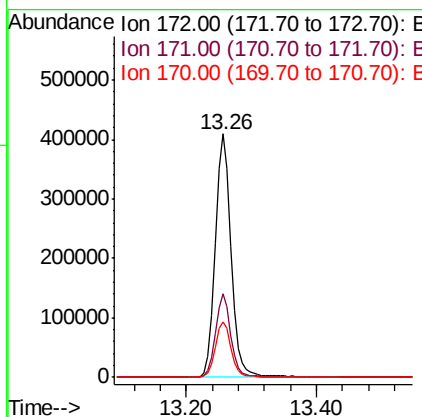
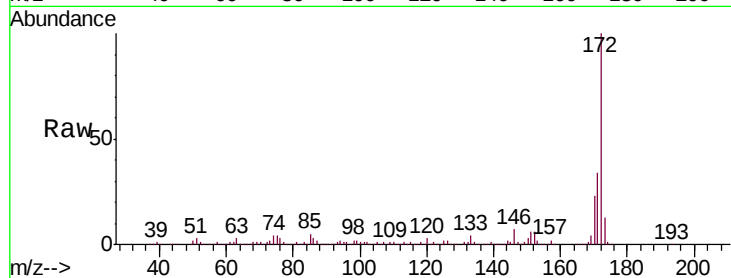




#44
 2-Fluorobiphenyl
 Concen: 111.104 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036154.D
 Acq: 7 Aug 2018 9:11

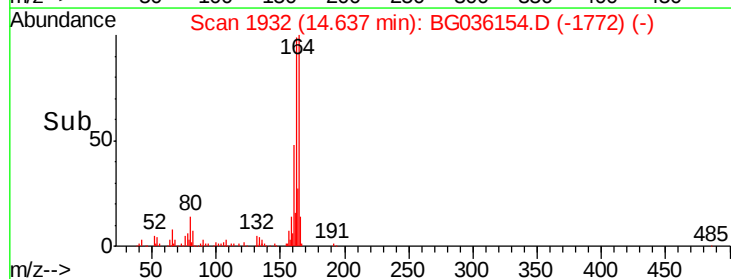
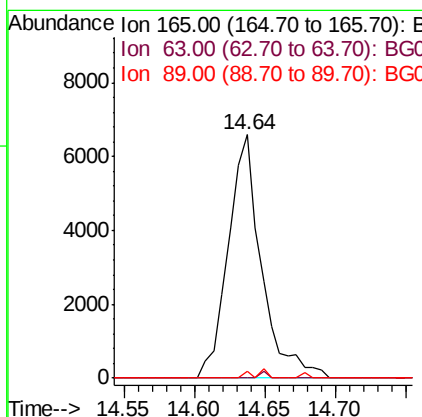
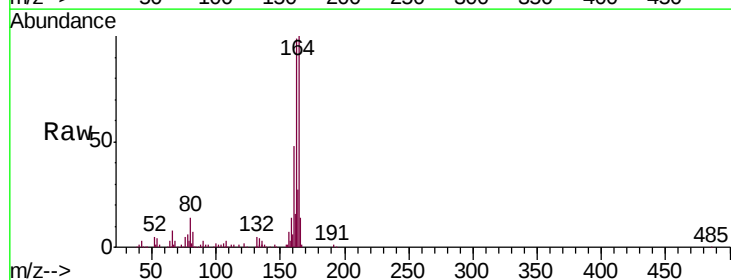
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3

Tgt Ion:172 Resp: 691040
 Ion Ratio Lower Upper
 172 100
 171 34.3 30.0 45.0
 170 22.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.270 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036154.D
 Acq: 7 Aug 2018 9:11

Tgt Ion:165 Resp: 10808
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.8 49.2 73.8#

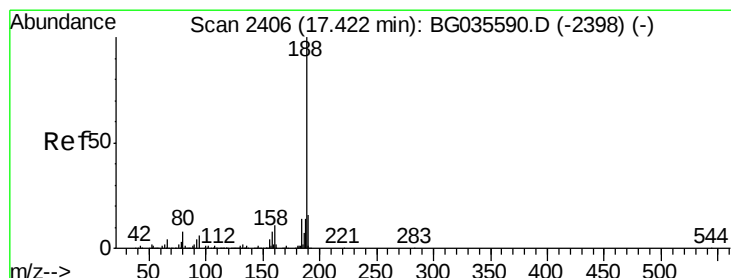
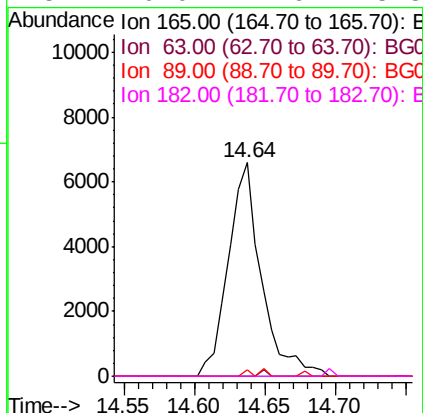
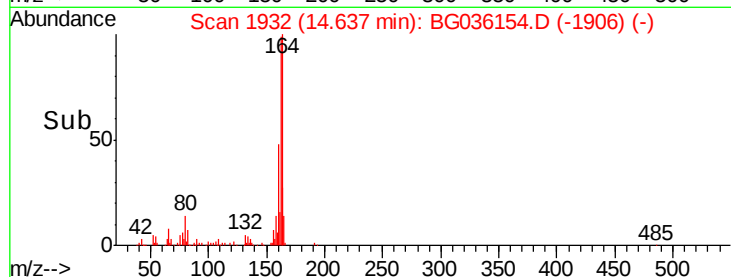
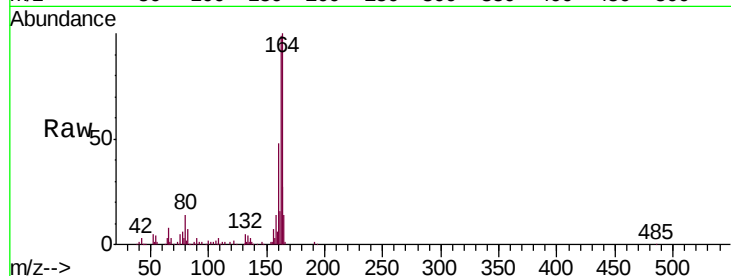




#56
 2,4-Dinitrotoluene
 Concen: 5.067 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. -0.38 min
 Lab File: BG036154.D
 Acq: 7 Aug 2018 9:11

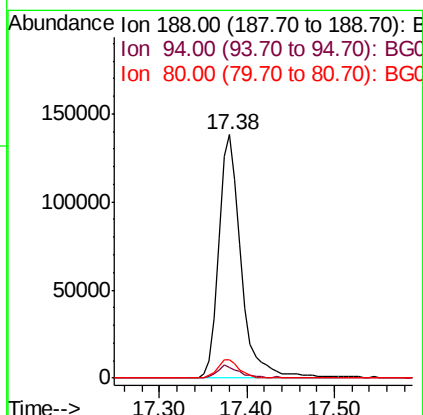
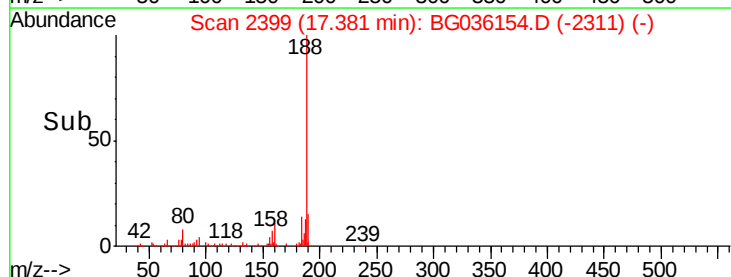
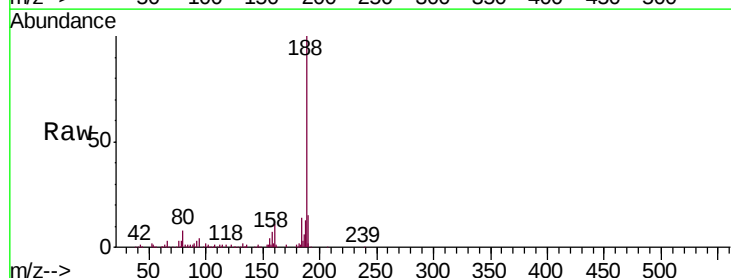
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3

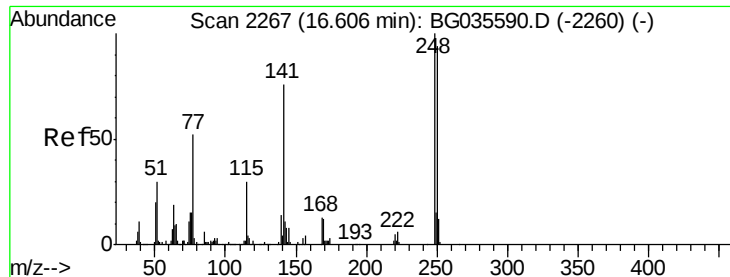
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.8	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BG036154.D
 Acq: 7 Aug 2018 9:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.4	6.9	10.3#
80	7.6	7.7	11.5#

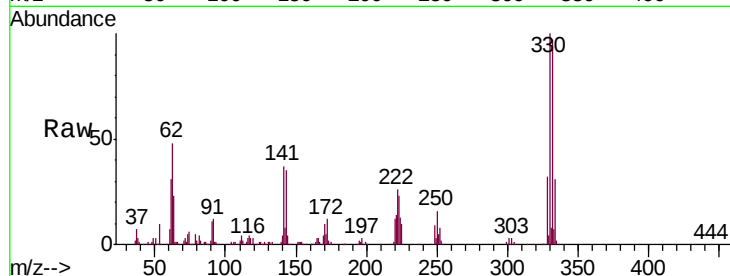




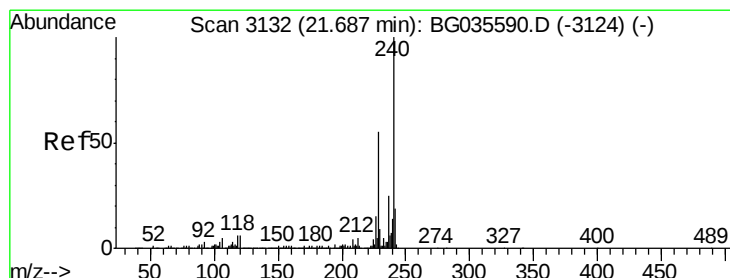
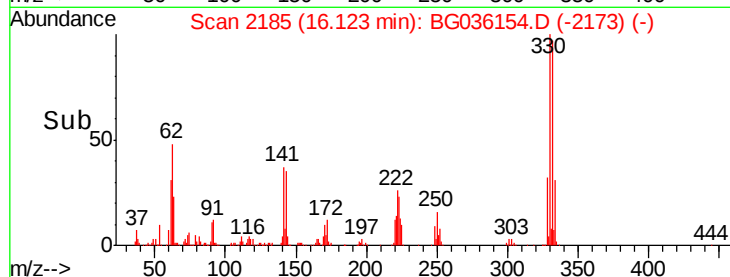
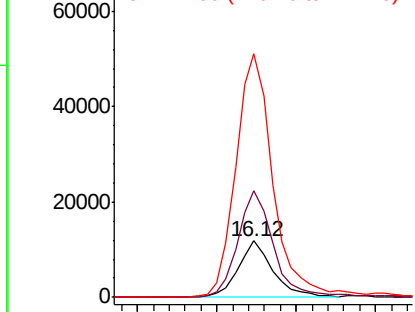
#66
4-Bromophenyl-phenylether
Concen: 6.330 ng
RT: 16.12 min Scan# 2185
Delta R.T. -0.46 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

Instrument :
BNA_G
ClientSampleId :
SOIL-3

Tgt Ion:248 Resp: 18005
Ion Ratio Lower Upper
248 100
250 189.1 77.1 115.7#
141 431.4 50.8 76.2#

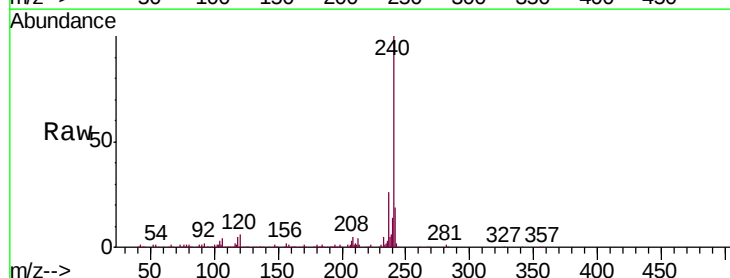


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

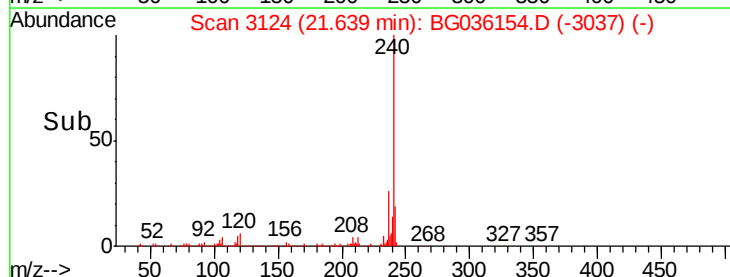
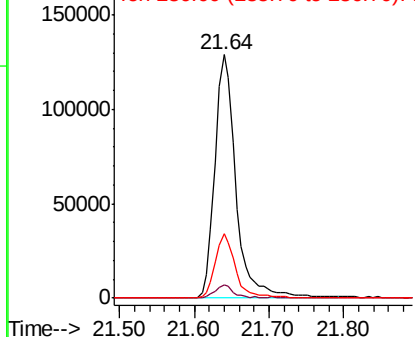


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

Tgt Ion:240 Resp: 253875
Ion Ratio Lower Upper
240 100
120 5.6 6.8 10.2#
236 26.3 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: 3.785 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

SOIL-3

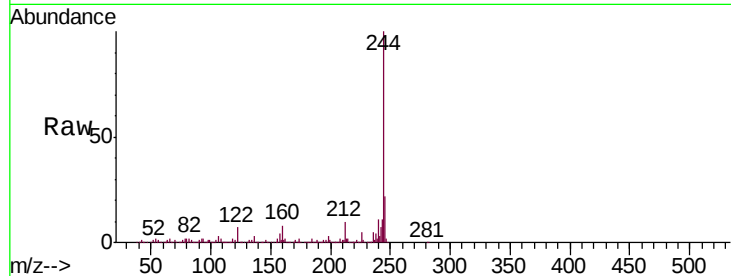
Tgt Ion:184 Resp: 25261

Ion Ratio Lower Upper

184 100

185 18.1 11.1 16.7#

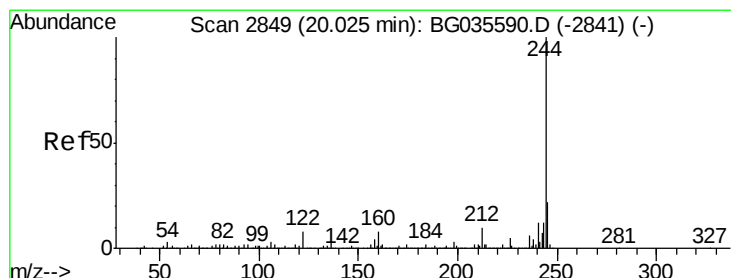
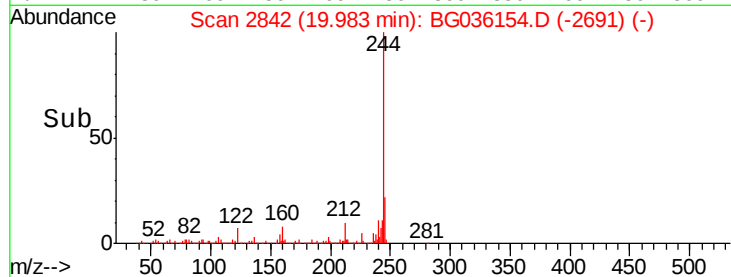
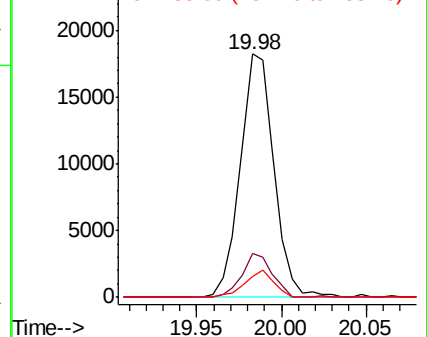
183 8.4 10.6 16.0#



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: 119.360 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

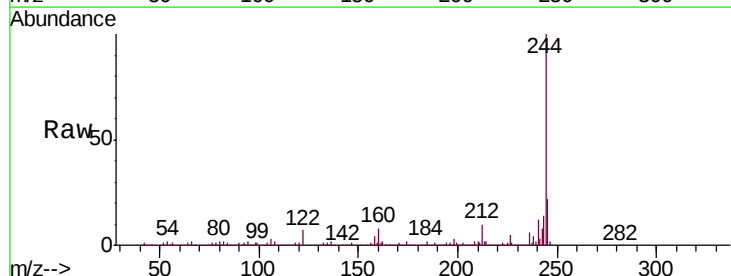
Tgt Ion:244 Resp: 1374704

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

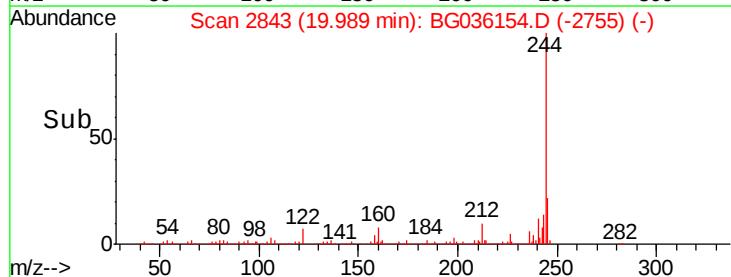
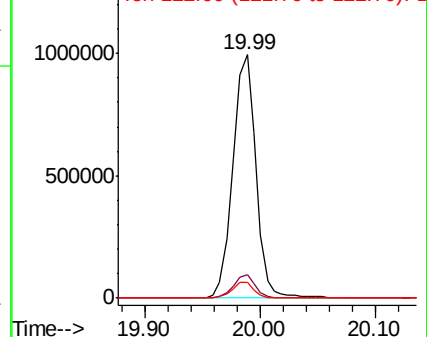
122 6.6 7.0 10.4#

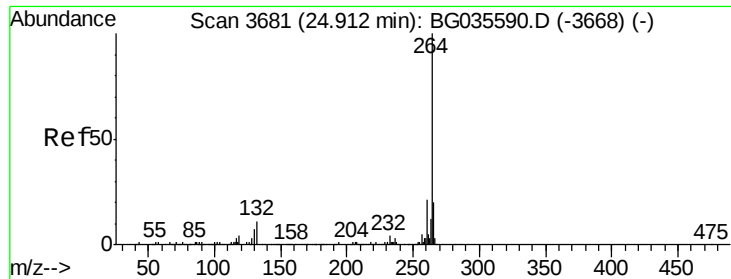


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

Instrument :
BNA_G
ClientSampleId :
SOIL-3

Tgt Ion:	264	Resp:	229955
Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	18.6	17.7	26.5

