

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035660.D
 Acq On : 14 Jul 2018 10:58
 Operator : JU/SJ
 Sample : J3542-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1

Quant Time: Jul 16 00:58:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

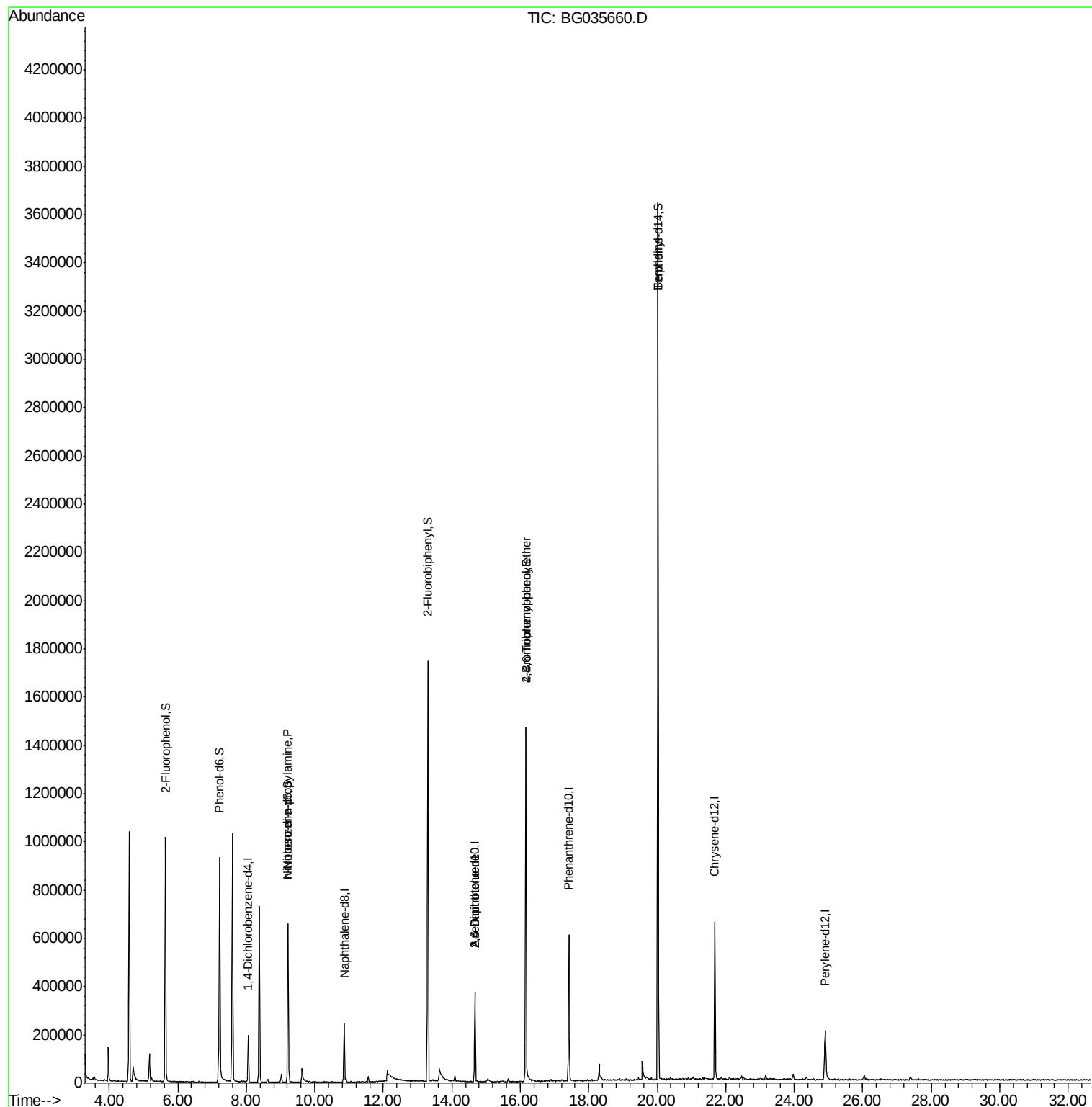
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	53858	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	203776	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	122740	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	384275	20.00	ng	0.00
75) Chrysene-d12	21.68	240	393277	20.00	ng	0.00
86) Perylene-d12	24.90	264	187756	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	408503	125.93	ng	0.00
7) Phenol-d6	7.22	99	523562	108.17	ng	0.00
23) Nitrobenzene-d5	9.22	82	432381	88.64	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	277781	171.70	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	913280	99.69	ng	0.00
78) Terphenyl-d14	20.02	244	1650164	92.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	62625	15.365	ng	# 70
50) 2,6-Dinitrotoluene	14.68	165	17127	7.821	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	17127	5.452	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	22207	4.981	ng	# 1
76) Benzidine	20.02	184	31886	3.084	ng	# 85

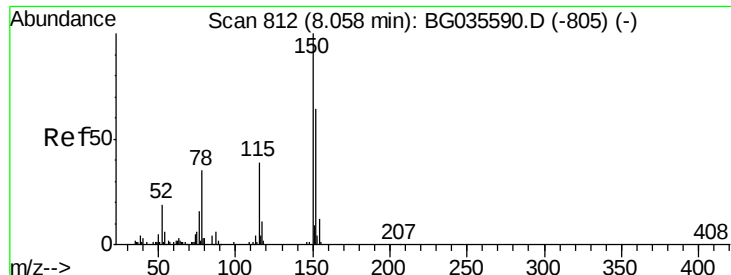
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 16 00:58:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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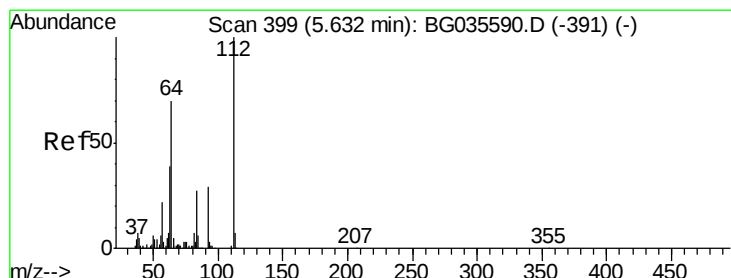
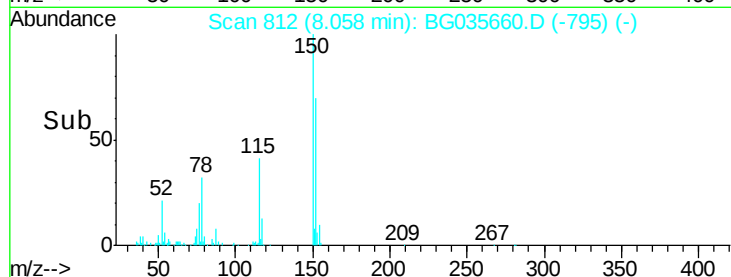
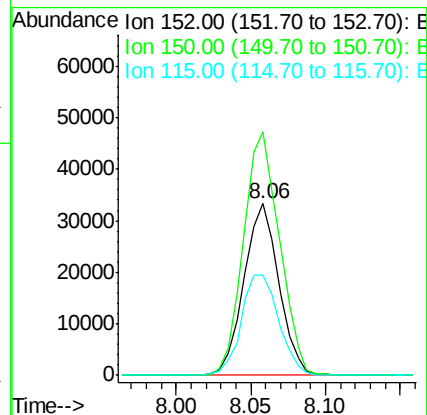
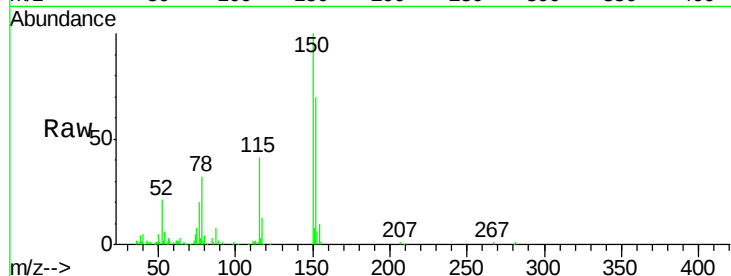


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035660.D
Acq: 14 Jul 2018 10:58

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1

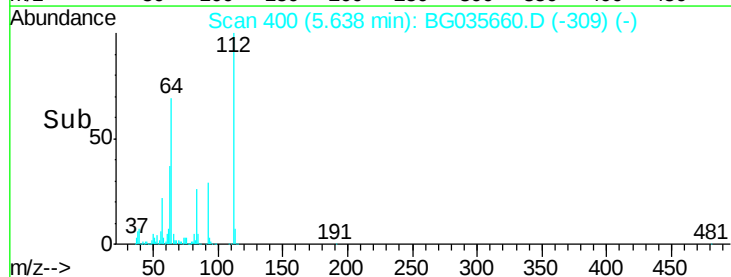
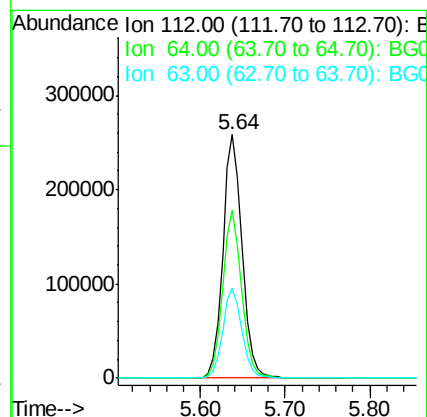
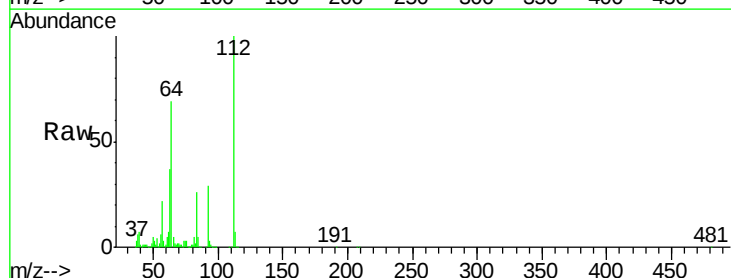
Tgt Ion:152 Resp: 53858
Ion Ratio Lower Upper
152 100
150 142.1 126.6 189.8
115 58.7 53.0 79.4

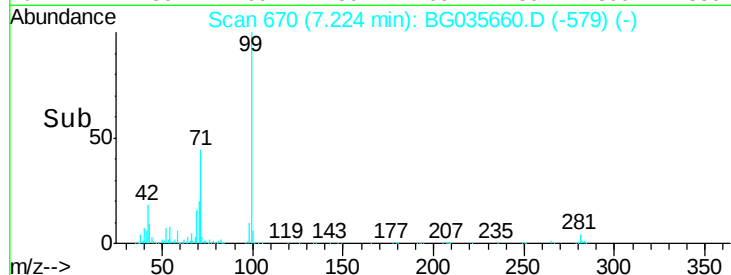
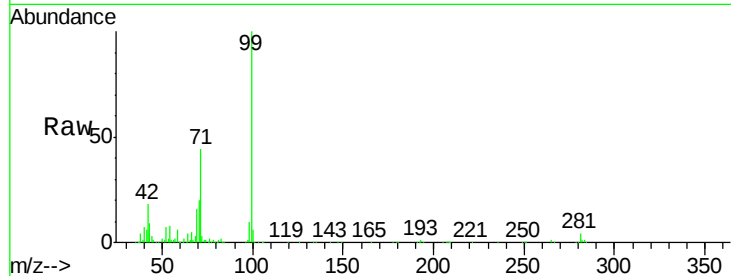
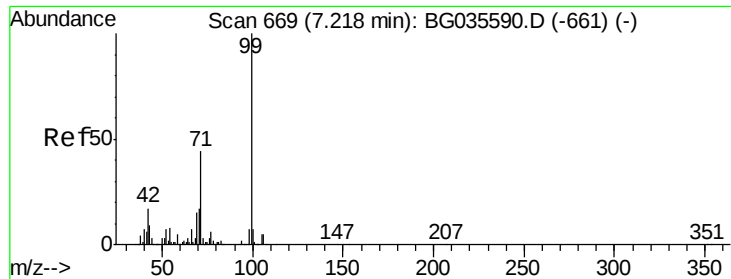


#5

2-Fluorophenol
Concen: 125.926 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035660.D
Acq: 14 Jul 2018 10:58

Tgt Ion:112 Resp: 408503
Ion Ratio Lower Upper
112 100
64 68.9 56.3 84.5
63 36.9 30.1 45.1





#7

Phenol-d6

Concen: 108.174 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.01 min

Lab File: BG035660.D

Acq: 14 Jul 2018 10:58

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1

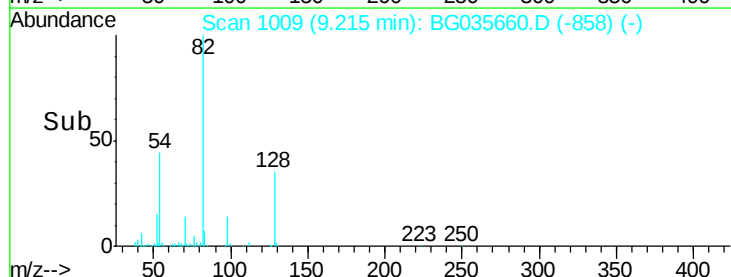
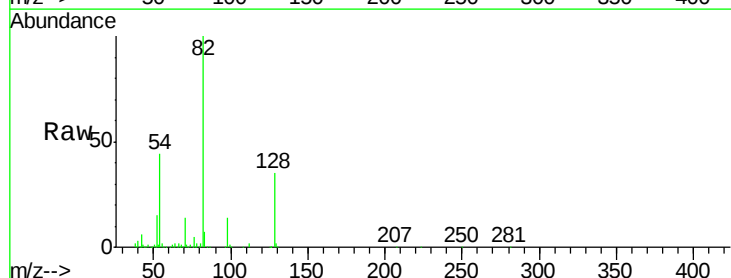
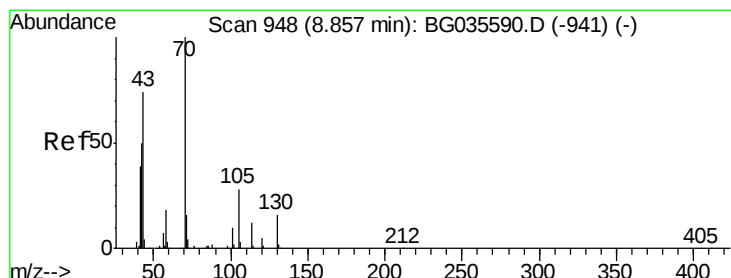
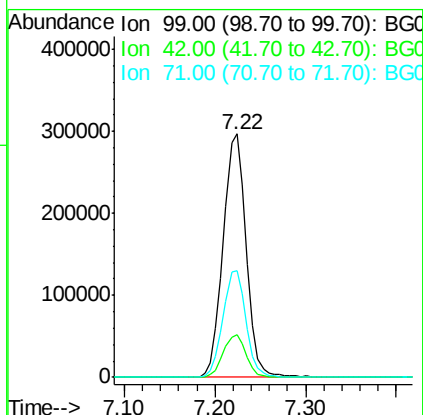
Tgt Ion: 99 Resp: 523562

Ion Ratio Lower Upper

99 100

42 17.5 14.1 21.1

71 43.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.365 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035660.D

Acq: 14 Jul 2018 10:58

Tgt Ion: 70 Resp: 62625

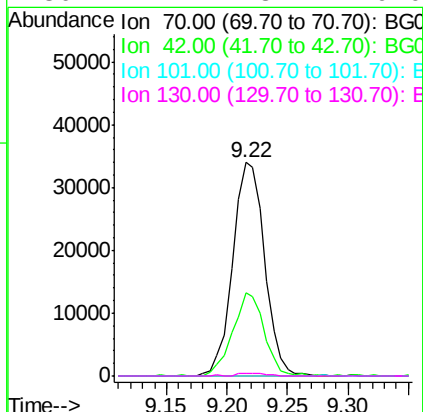
Ion Ratio Lower Upper

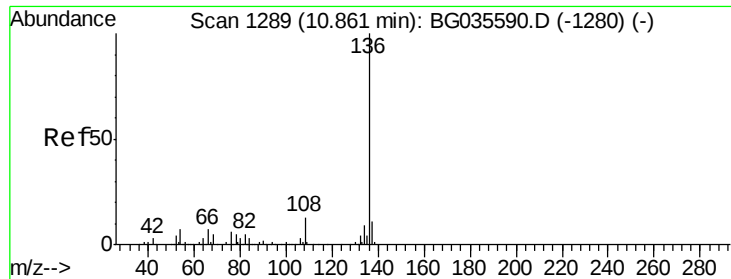
70 100

42 39.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

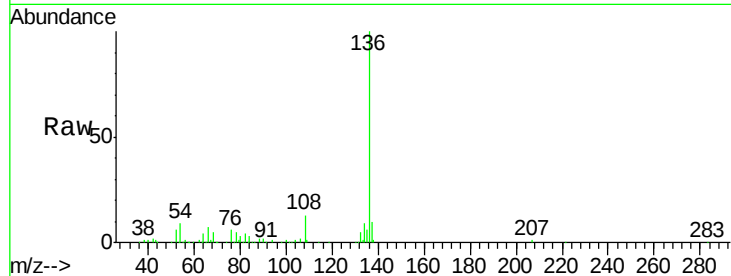




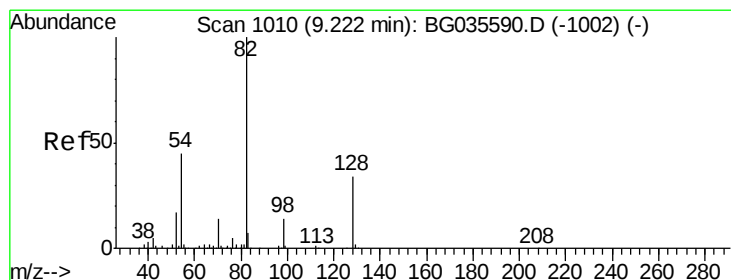
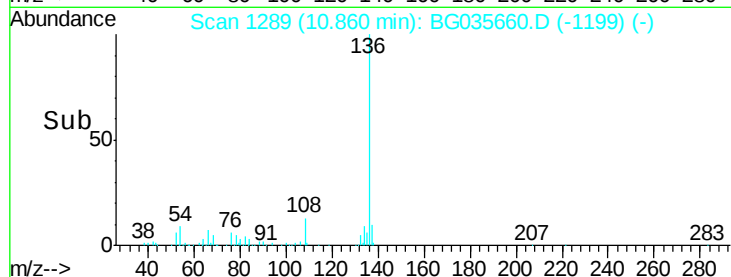
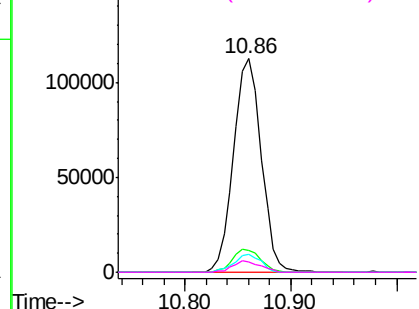
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035660.D
Acq: 14 Jul 2018 10:58

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1

Tgt Ion:	136	Resp:	203776
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	8.5	10.3	15.5
68	4.9	4.5	6.7

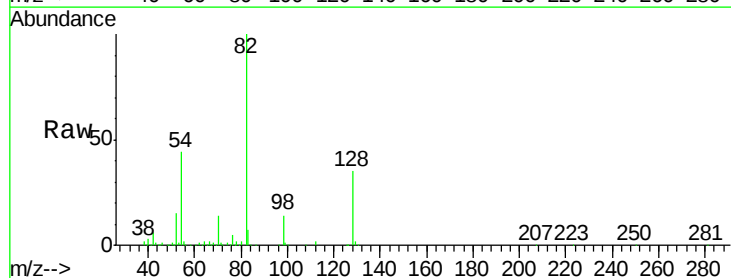


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

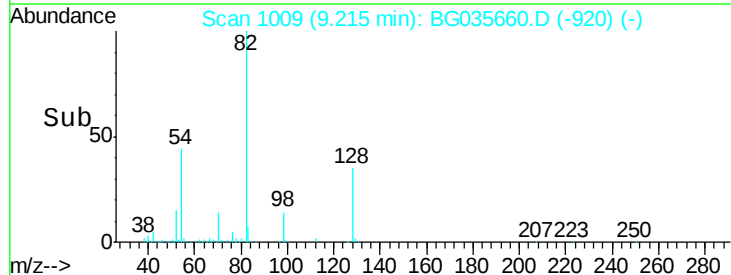
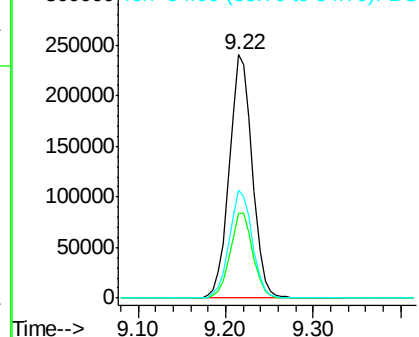


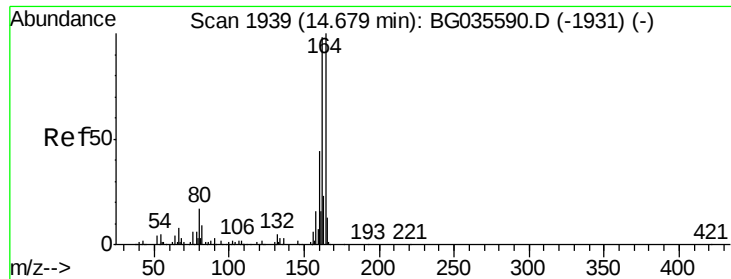
#23
Nitrobenzene-d5
Concen: 88.639 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035660.D
Acq: 14 Jul 2018 10:58

Tgt Ion:	82	Resp:	432381
Ion	Ratio	Lower	Upper
82	100		
128	34.7	29.7	44.5
54	44.2	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: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG035660.D

Acq: 14 Jul 2018 10:58

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1

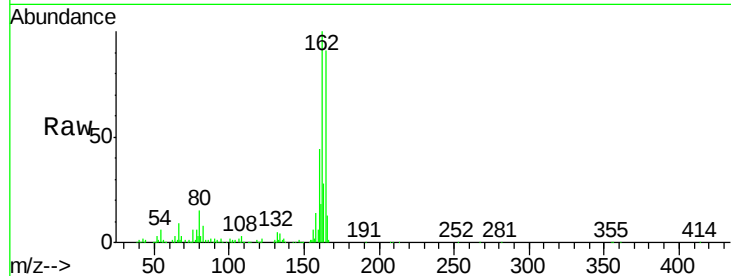
Tgt Ion:164 Resp: 122740

Ion Ratio Lower Upper

164 100

162 109.3 78.8 118.2

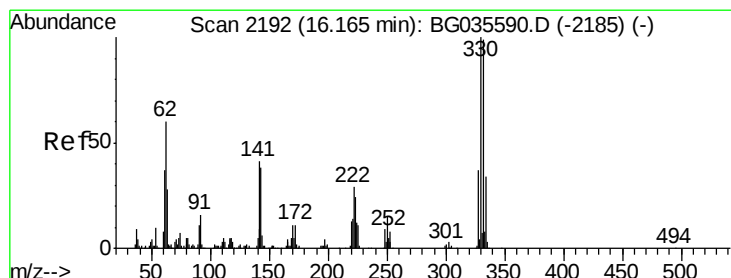
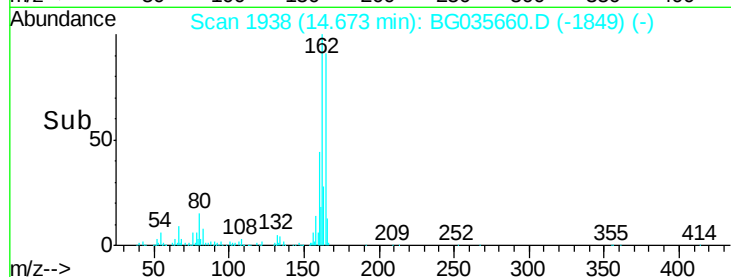
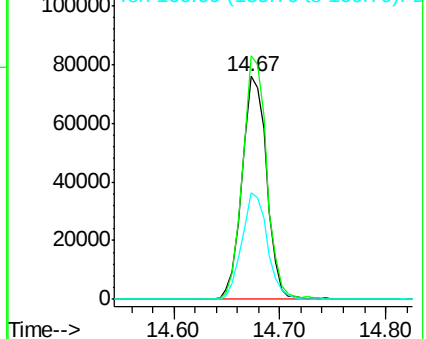
160 47.6 35.4 53.0



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: 171.704 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035660.D

Acq: 14 Jul 2018 10:58

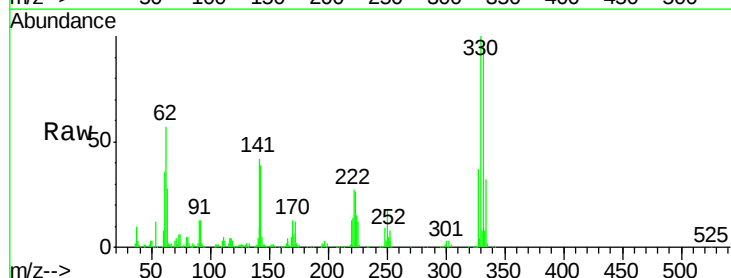
Tgt Ion:330 Resp: 277781

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

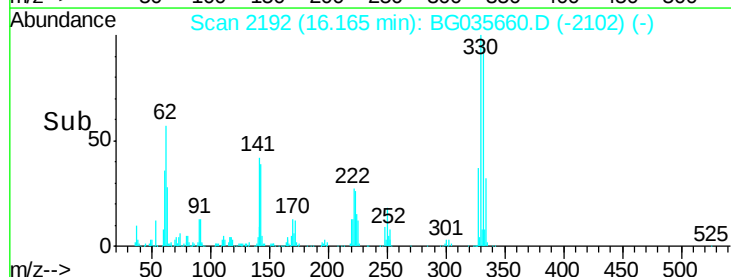
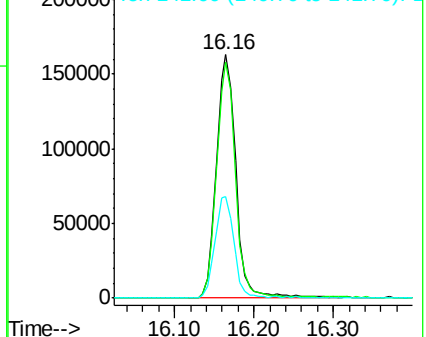
141 40.4 25.2 37.8#

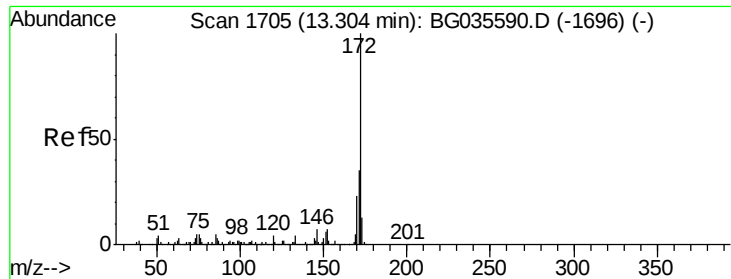


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 99.687 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.01 min

Lab File: BG035660.D

Acq: 14 Jul 2018 10:58

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1

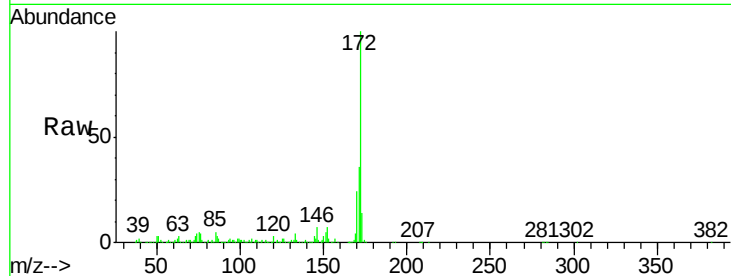
Tgt Ion:172 Resp: 913280

Ion Ratio Lower Upper

172 100

171 35.7 30.0 45.0

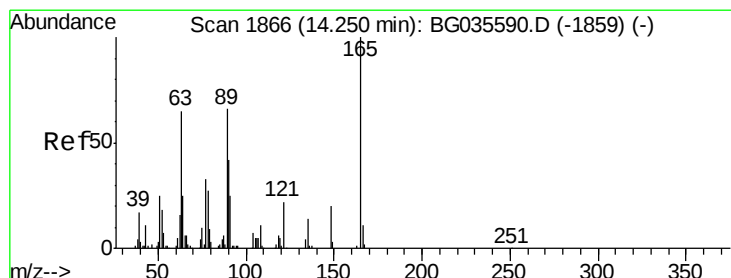
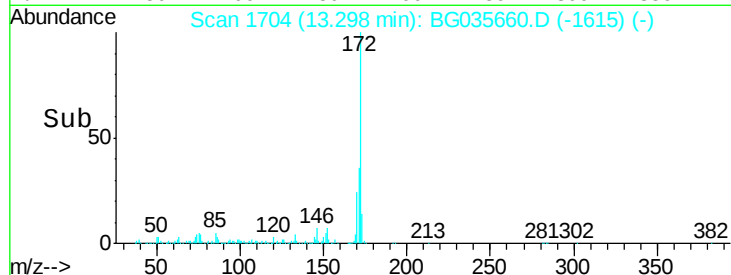
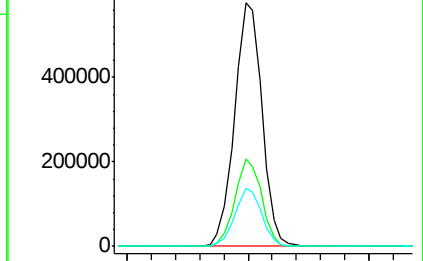
170 23.8 19.5 29.3



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



#50

2,6-Dinitrotoluene

Concen: 7.821 ng

RT: 14.68 min Scan# 1939

Delta R.T. 0.43 min

Lab File: BG035660.D

Acq: 14 Jul 2018 10:58

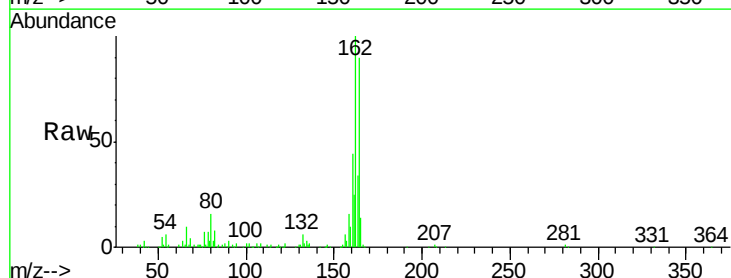
Tgt Ion:165 Resp: 17127

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

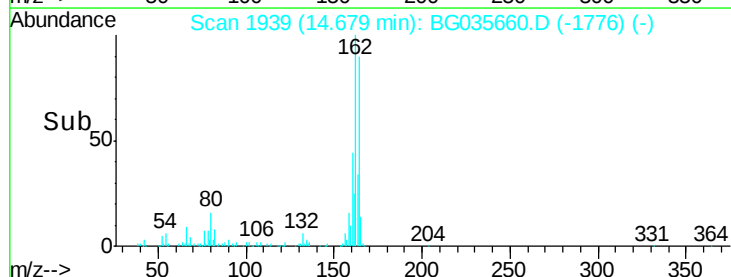
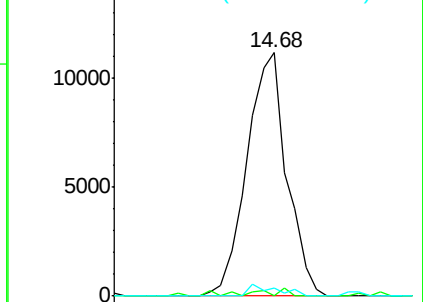
89 3.2 49.2 73.8#

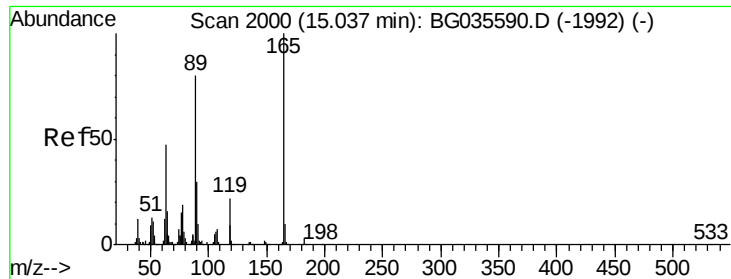


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

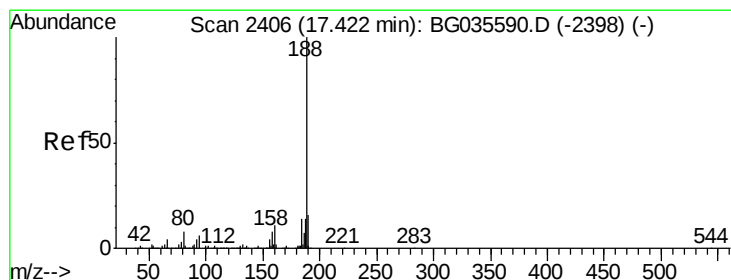
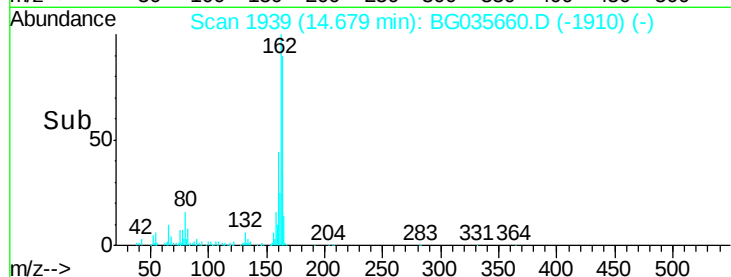
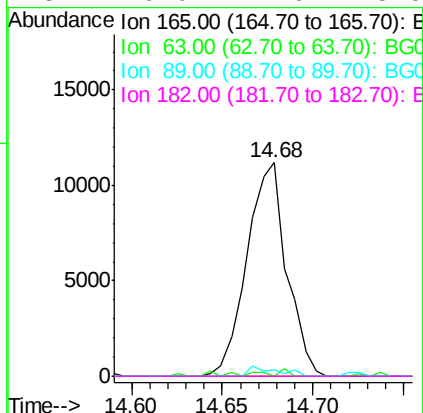
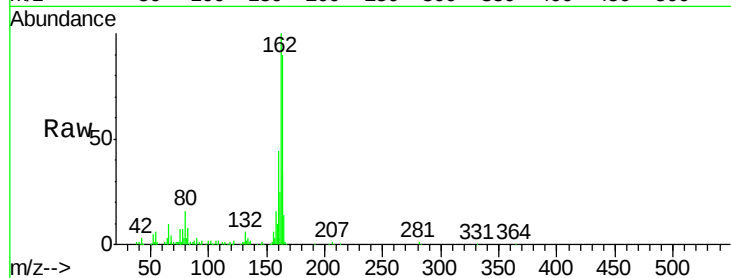




#56
2,4-Dinitrotoluene
Concen: 5.452 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG035660.D
Acq: 14 Jul 2018 10:58

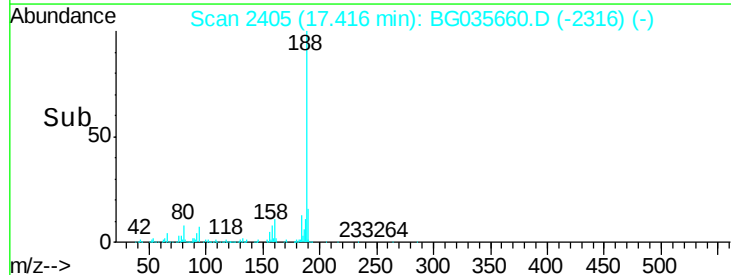
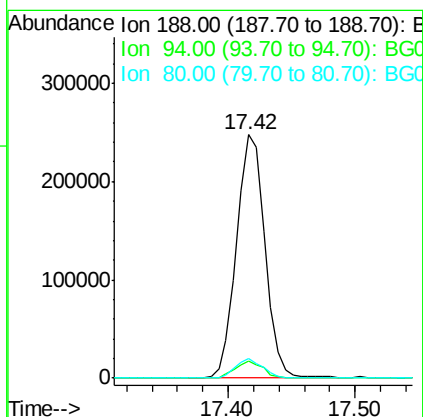
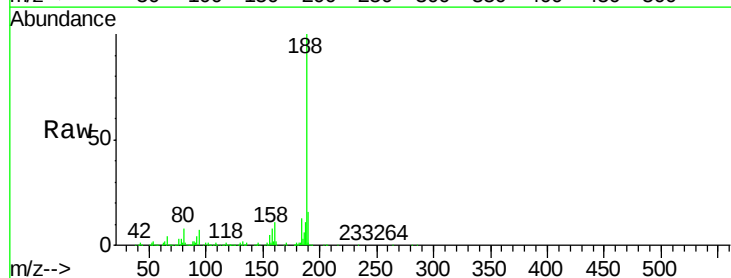
Instrument :
BNA_G
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LS-SOIL-1

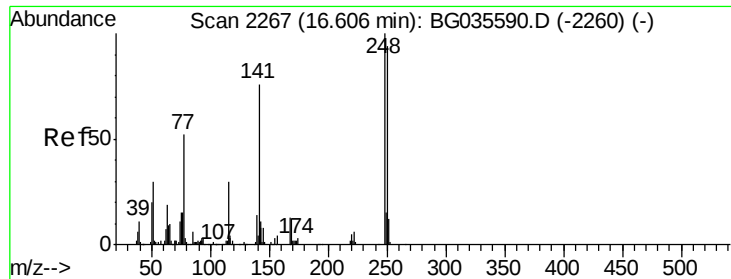
Tgt Ion:165 Resp: 17127
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.2 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BG035660.D
Acq: 14 Jul 2018 10:58

Tgt Ion:188 Resp: 384275
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 7.8 7.7 11.5

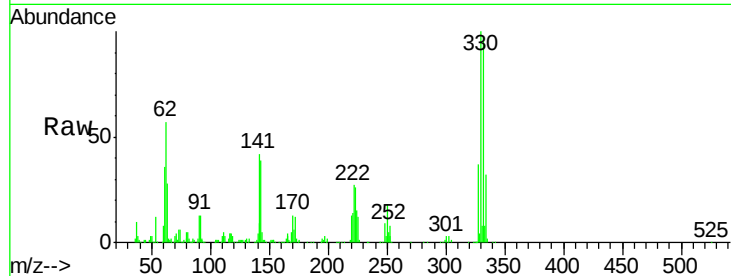




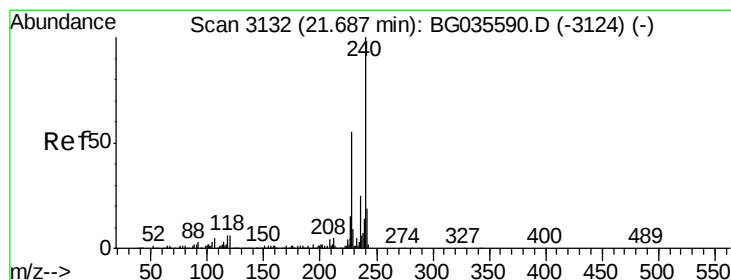
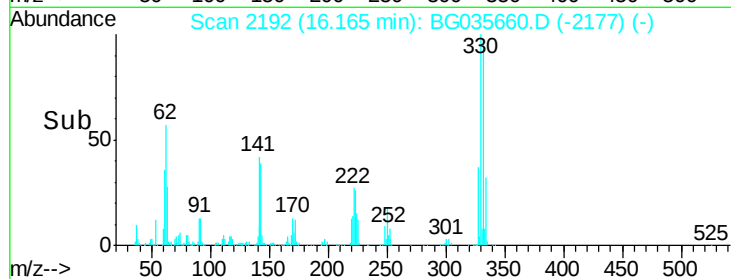
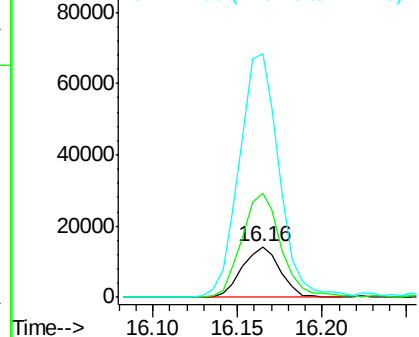
#66
 4-Bromophenyl-phenylether
 Concen: 4.981 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.44 min
 Lab File: BG035660.D
 Acq: 14 Jul 2018 10:58

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1

Tgt Ion:248 Resp: 22207
 Ion Ratio Lower Upper
 248 100
 250 207.6 77.1 115.7#
 141 483.6 50.8 76.2#

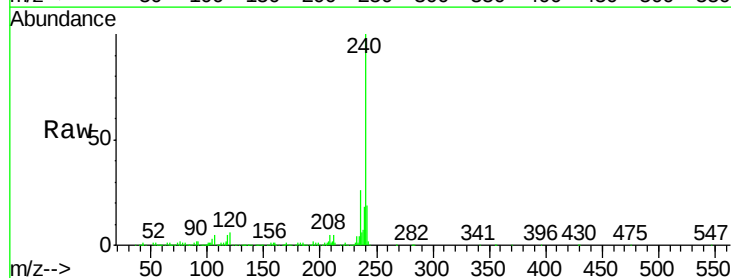


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

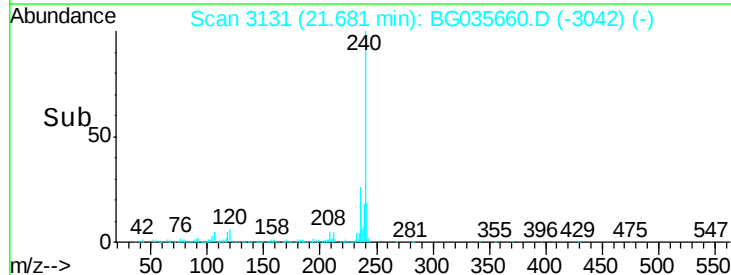
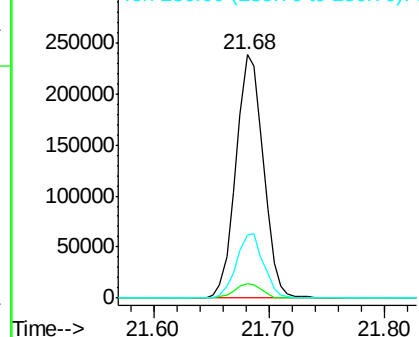


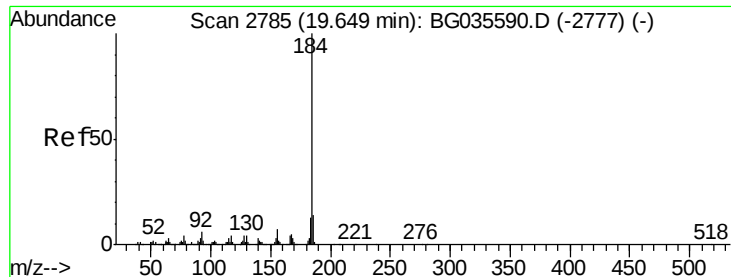
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG035660.D
 Acq: 14 Jul 2018 10:58

Tgt Ion:240 Resp: 393277
 Ion Ratio Lower Upper
 240 100
 120 5.8 6.8 10.2#
 236 25.7 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: 3.084 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035660.D

Acq: 14 Jul 2018 10:58

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1

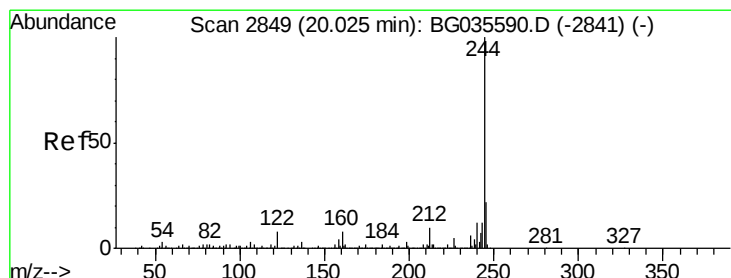
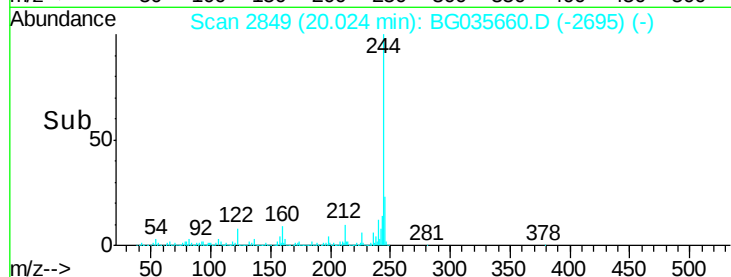
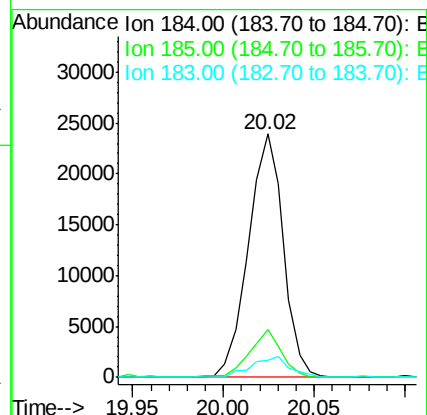
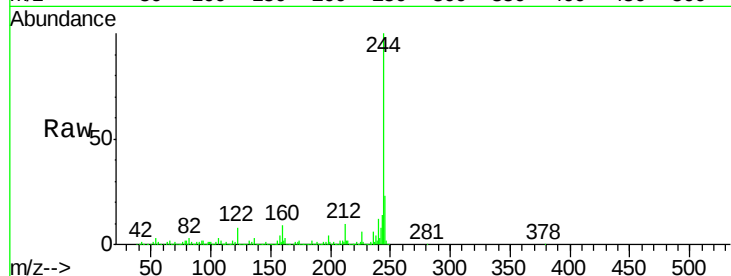
Tgt Ion:184 Resp: 31886

Ion Ratio Lower Upper

184 100

185 19.8 11.1 16.7#

183 7.0 10.6 16.0#



#78

Terphenyl-d14

Concen: 92.491 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035660.D

Acq: 14 Jul 2018 10:58

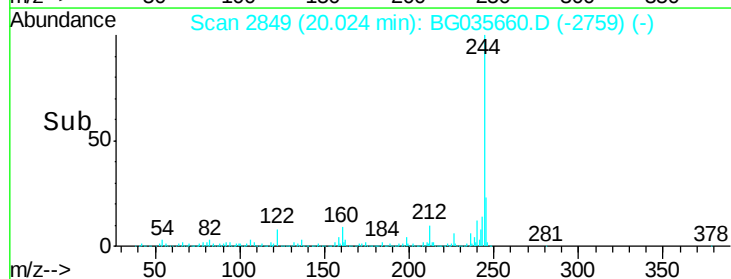
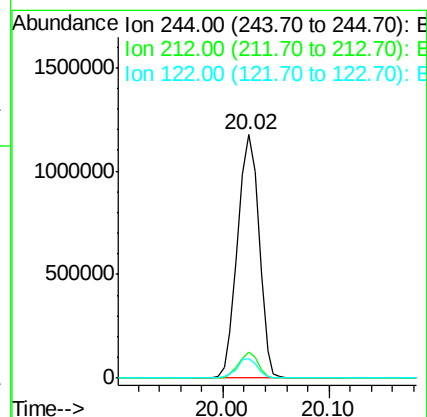
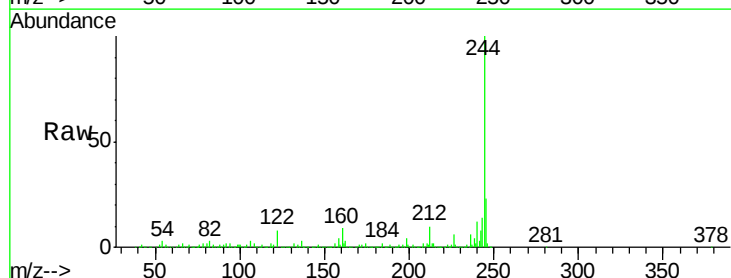
Tgt Ion:244 Resp: 1650164

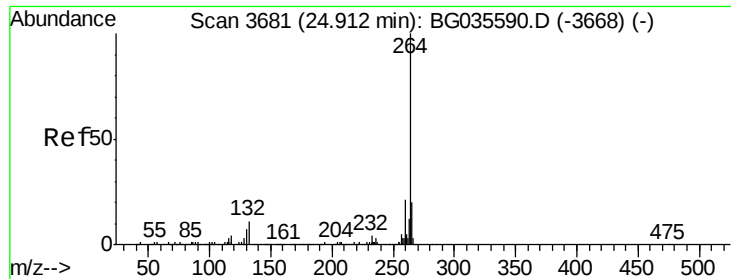
Ion Ratio Lower Upper

244 100

212 10.5 5.8 8.8#

122 8.3 7.0 10.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3679
 Delta R.T. -0.01 min
 Lab File: BG035660.D
 Acq: 14 Jul 2018 10:58

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.0	17.4	26.0
265	18.6	17.7	26.5

