

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035658.D
 Acq On : 14 Jul 2018 9:41
 Operator : JU/SJ
 Sample : J3542-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-3

Quant Time: Jul 16 00:57:37 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

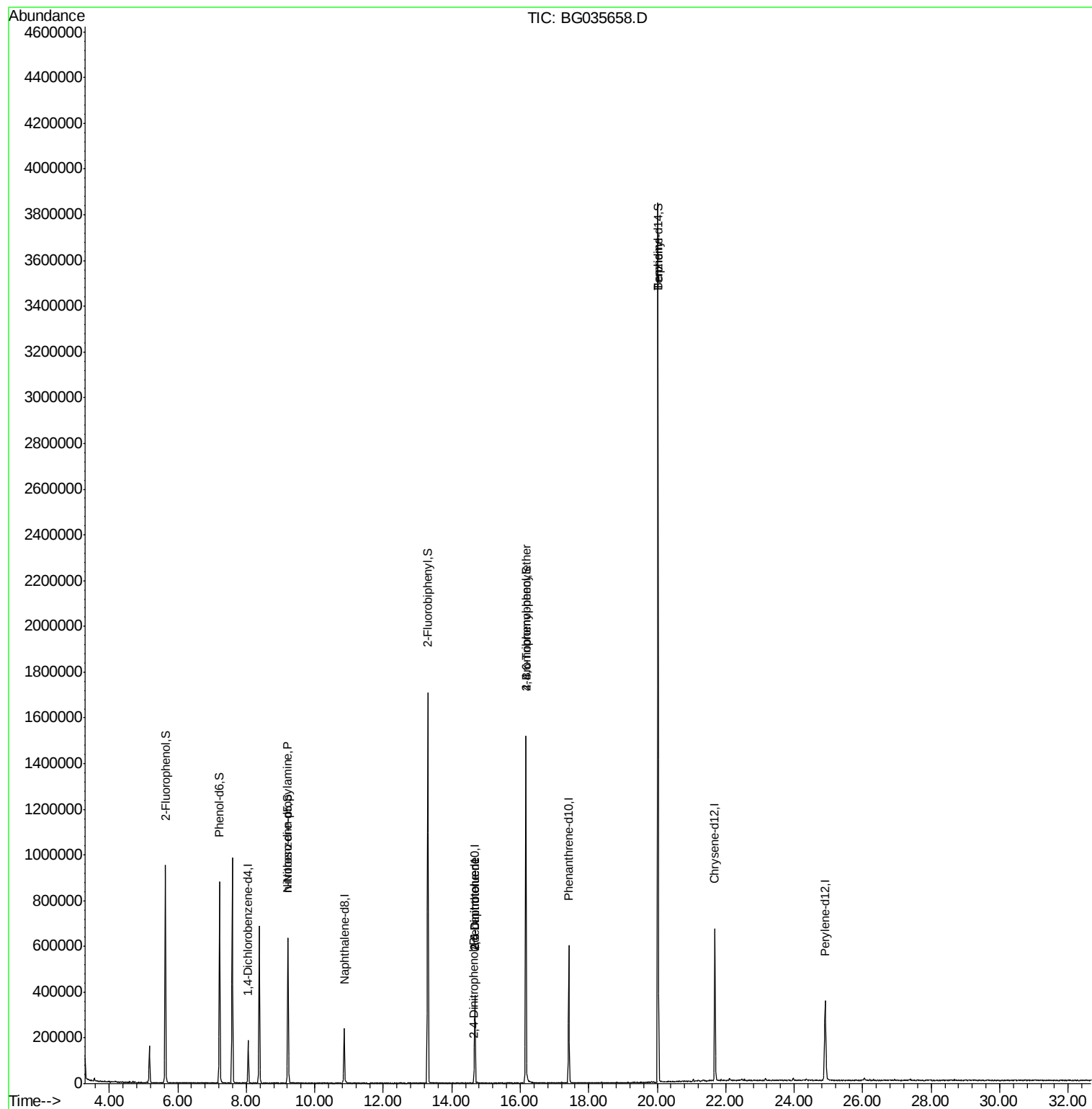
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	50593	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	193902	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	137311	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	386290	20.00	ng	0.00
75) Chrysene-d12	21.68	240	420374	20.00	ng	0.00
86) Perylene-d12	24.91	264	388348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	388221	127.40	ng	0.00
7) Phenol-d6	7.22	99	522700	114.97	ng	0.00
23) Nitrobenzene-d5	9.22	82	422007	90.92	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	270313	149.36	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	915360	89.31	ng	0.00
78) Terphenyl-d14	20.02	244	1738099	91.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	60483	15.798	ng	# 70
50) 2,6-Dinitrotoluene	14.67	165	17986	7.342	ng	# 21
53) 2,4-Dinitrophenol	14.64	184	62	6.627	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	17986	5.117	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	21917	4.890	ng	# 1
76) Benzidine	20.02	184	33817	3.060	ng	# 91

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
Data File : BG035658.D
Acq On : 14 Jul 2018 9:41
Operator : JU/SJ
Sample : J3542-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-3

Quant Time: Jul 16 00:57:37 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



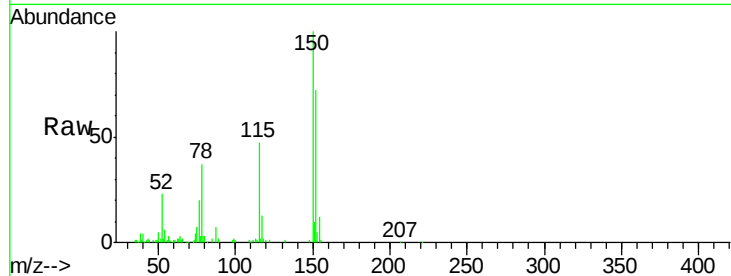


#1

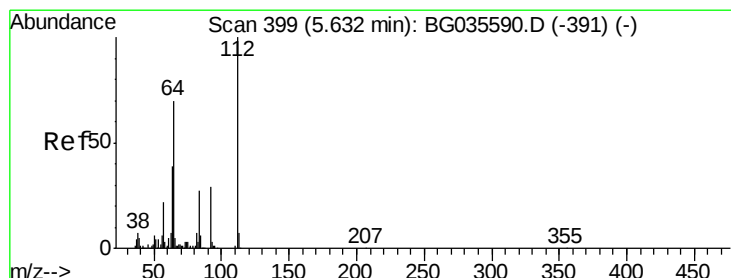
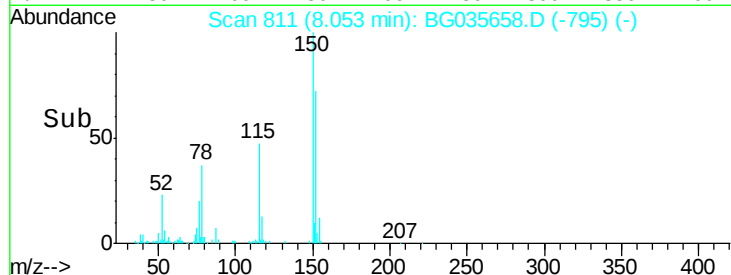
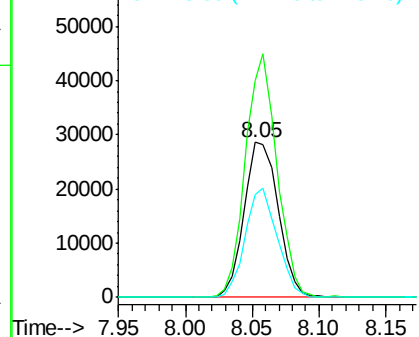
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG035658.D
Acq: 14 Jul 2018 9:41

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-3

Tgt Ion:152 Resp: 50593
Ion Ratio Lower Upper
152 100
150 139.5 126.6 189.8
115 65.9 53.0 79.4



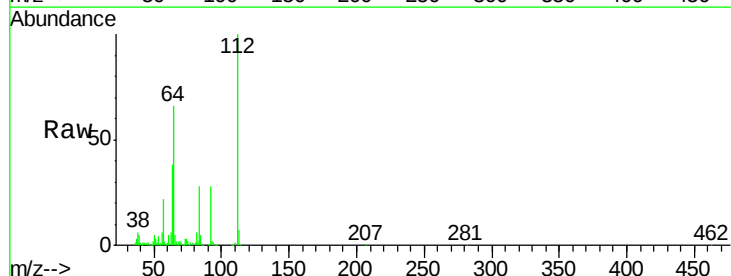
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



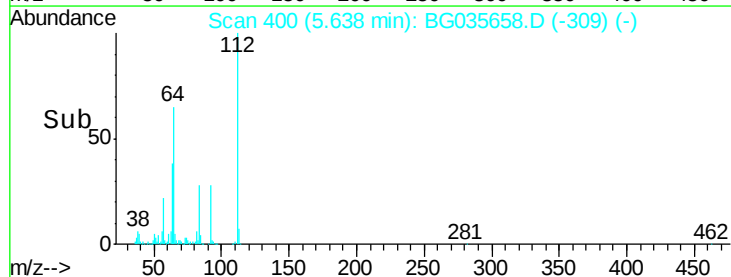
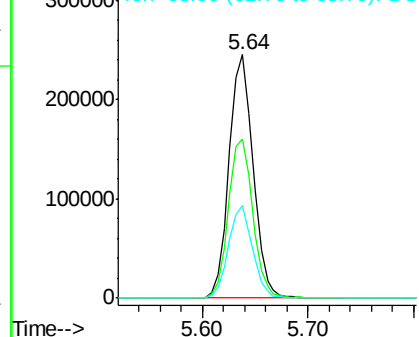
#5

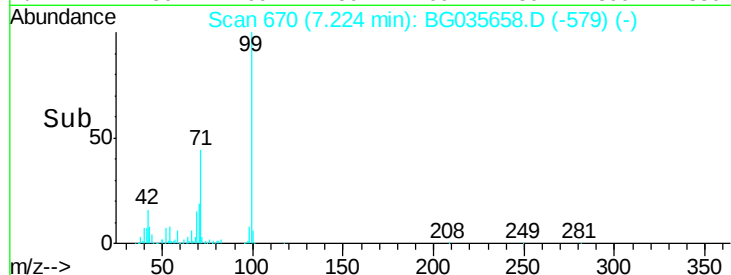
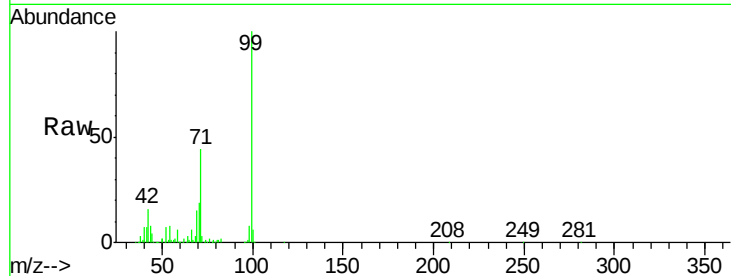
2-Fluorophenol
Concen: 127.397 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035658.D
Acq: 14 Jul 2018 9:41

Tgt Ion:112 Resp: 388221
Ion Ratio Lower Upper
112 100
64 65.5 56.3 84.5
63 37.9 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: 114.965 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.01 min

Lab File: BG035658.D

Acq: 14 Jul 2018 9:41

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

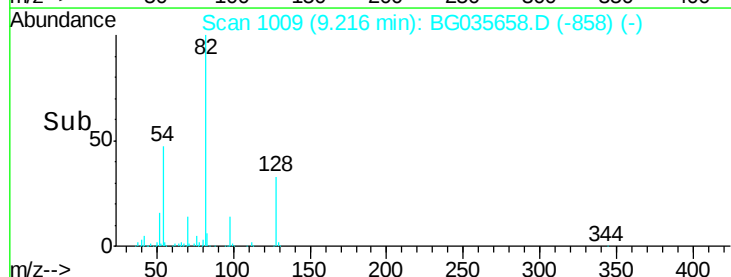
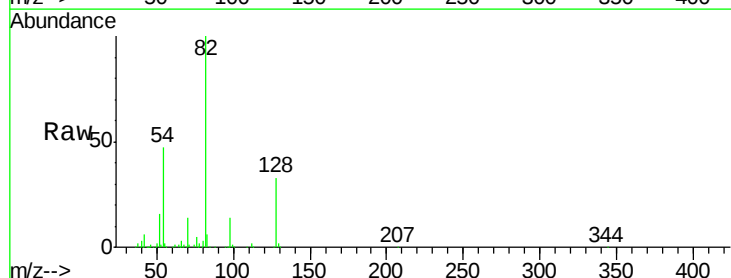
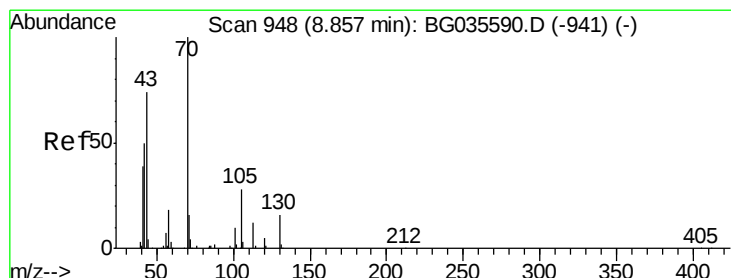
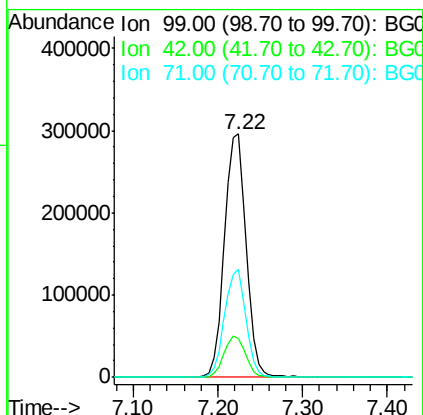
Tgt Ion: 99 Resp: 522700

Ion Ratio Lower Upper

99 100

42 16.1 14.1 21.1

71 44.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.798 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035658.D

Acq: 14 Jul 2018 9:41

Tgt Ion: 70 Resp: 60483

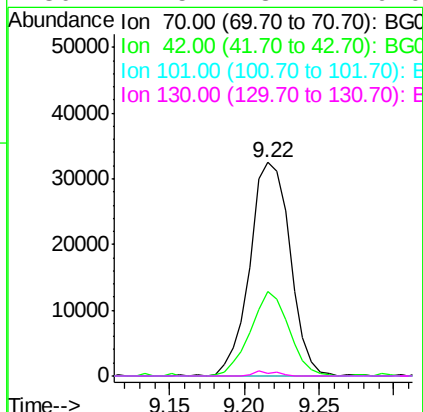
Ion Ratio Lower Upper

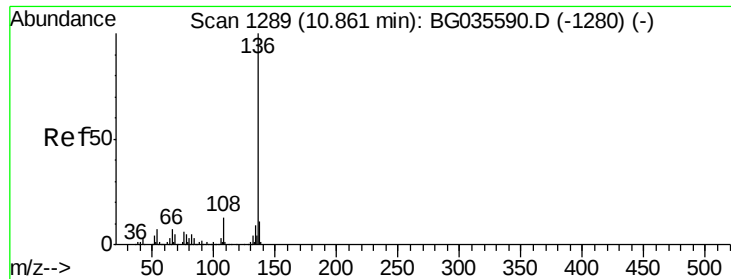
70 100

42 39.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

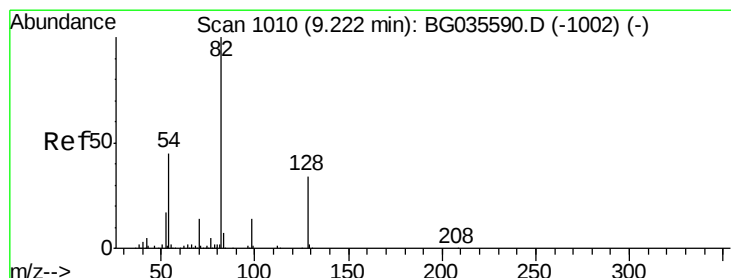
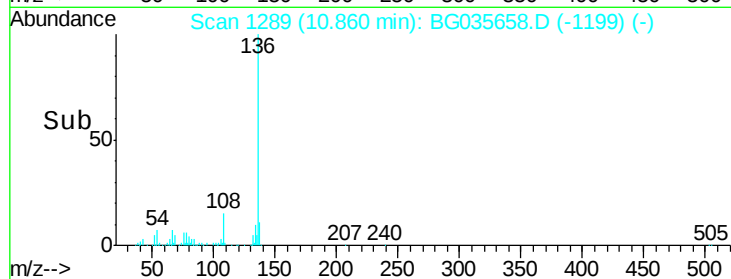
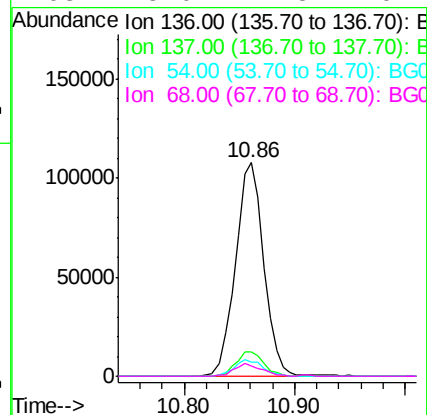
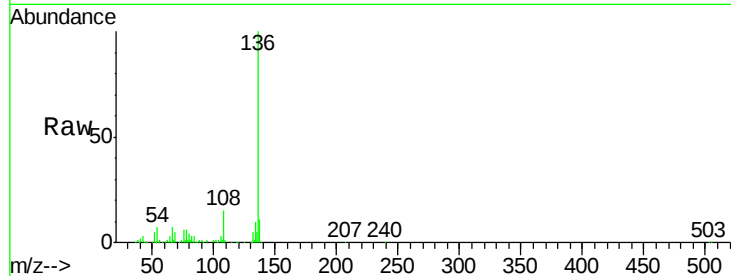




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035658.D
Acq: 14 Jul 2018 9:41

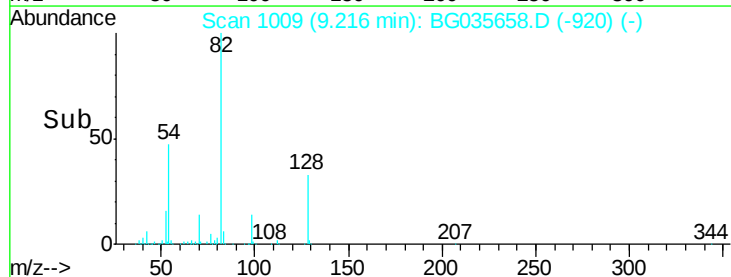
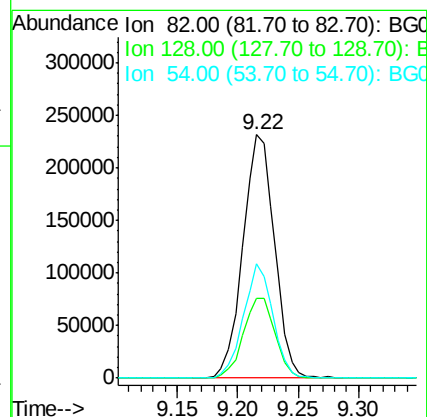
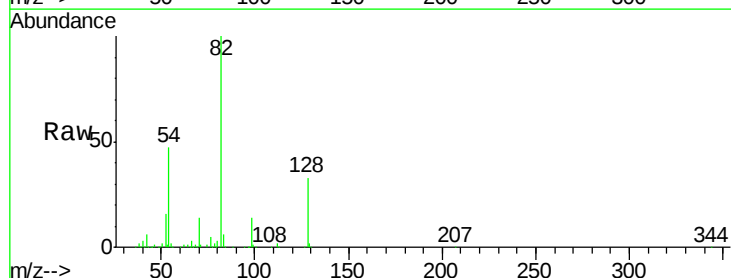
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-3

Tgt Ion:	136	Resp:	193902
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	6.8	10.3	15.5
68	5.0	4.5	6.7



#23
Nitrobenzene-d5
Concen: 90.918 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035658.D
Acq: 14 Jul 2018 9:41

Tgt Ion:	82	Resp:	422007
Ion	Ratio	Lower	Upper
82	100		
128	32.9	29.7	44.5
54	47.2	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG035658.D

Acq: 14 Jul 2018 9:41

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

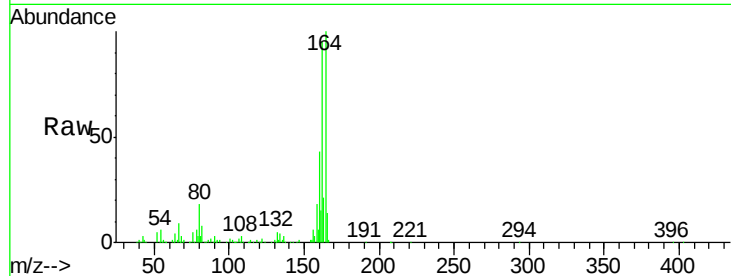
Tgt Ion:164 Resp: 137311

Ion Ratio Lower Upper

164 100

162 94.5 78.8 118.2

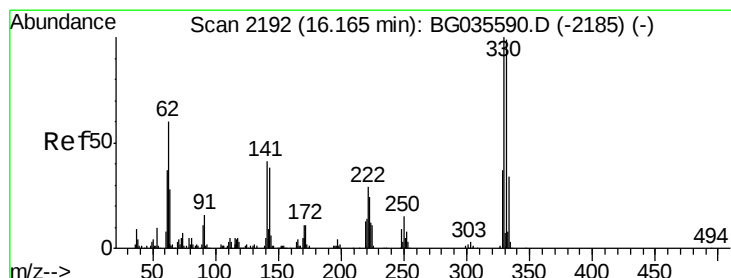
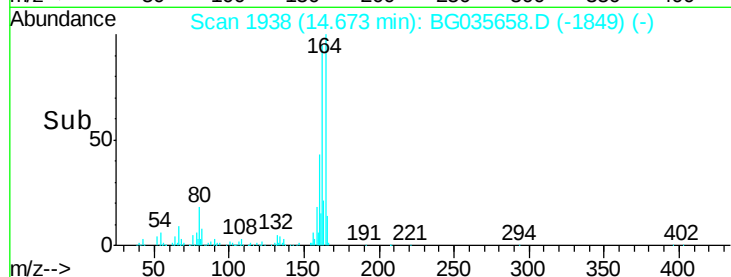
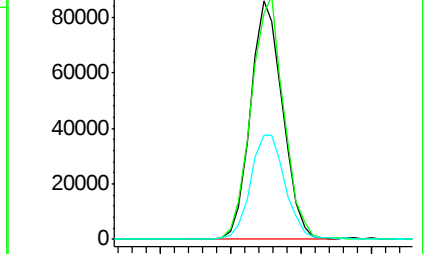
160 43.4 35.4 53.0



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: 149.357 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035658.D

Acq: 14 Jul 2018 9:41

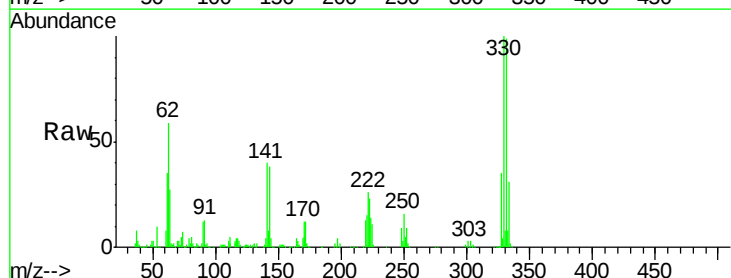
Tgt Ion:330 Resp: 270313

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

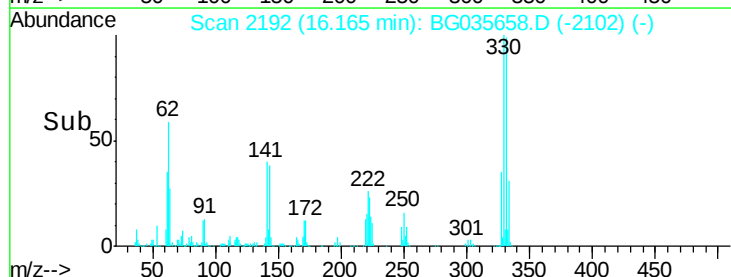
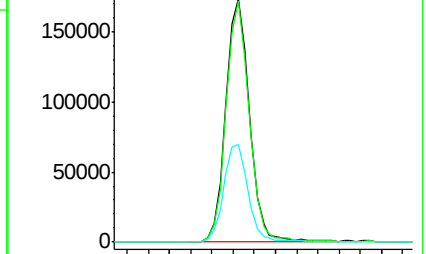
141 41.1 25.2 37.8#

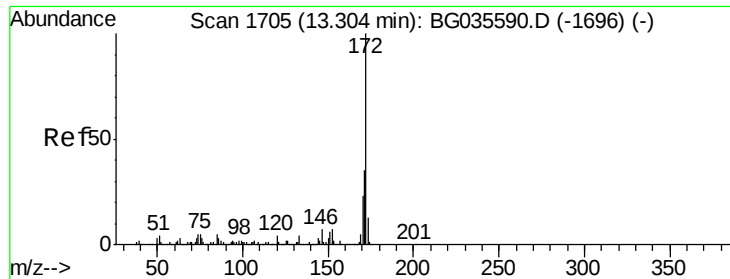


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

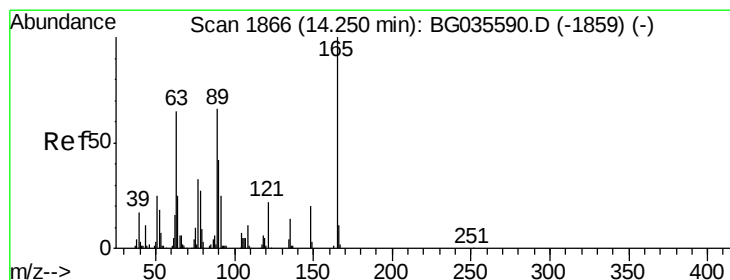
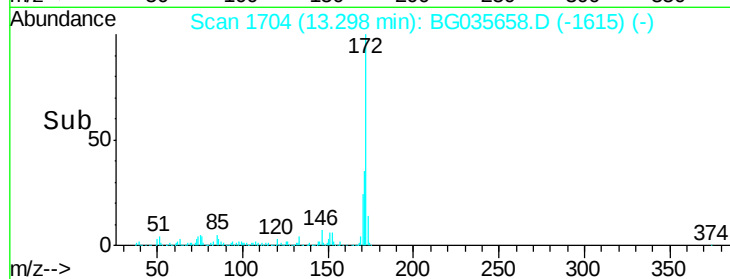
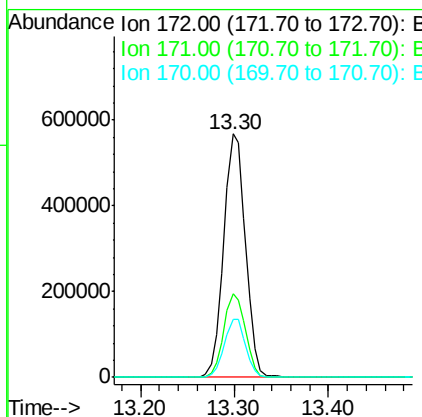
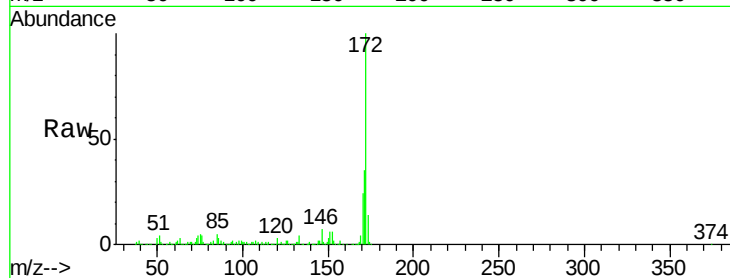




#44
 2-Fluorobiphenyl
 Concen: 89.312 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG035658.D
 Acq: 14 Jul 2018 9:41

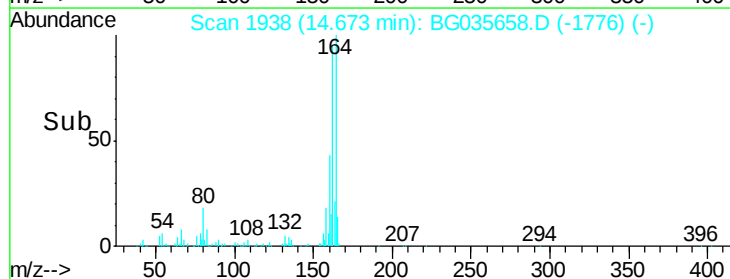
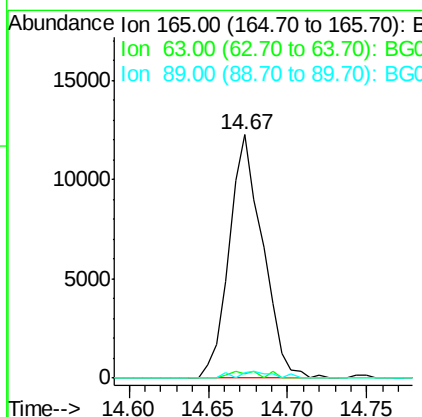
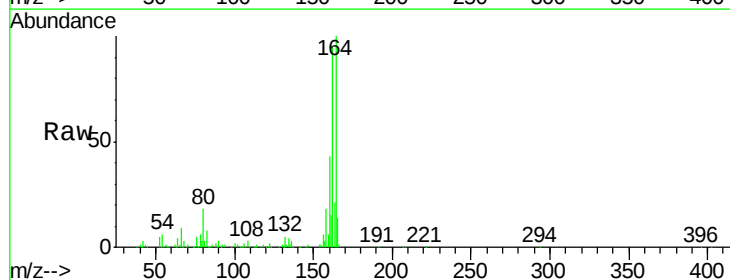
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-3

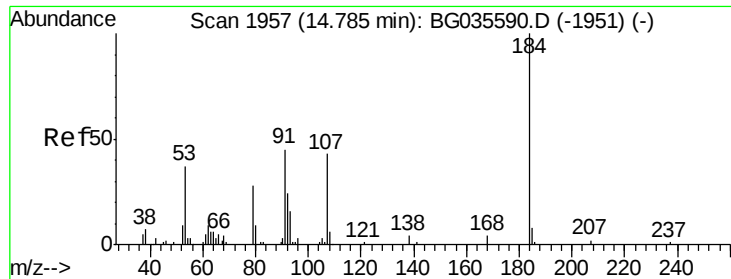
Tgt Ion:172 Resp: 915360
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.0 45.0
 170 23.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.342 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG035658.D
 Acq: 14 Jul 2018 9:41

Tgt Ion:165 Resp: 17986
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 2.3 49.2 73.8#

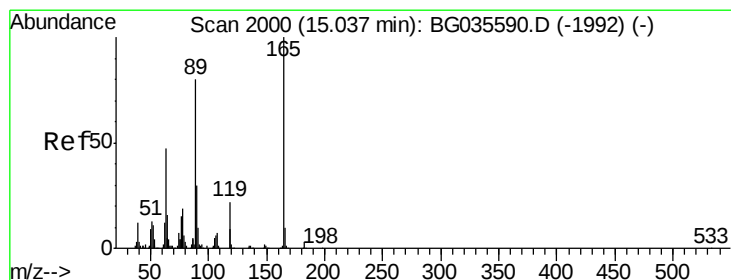
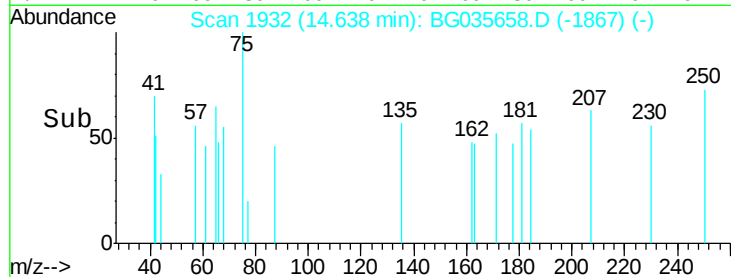
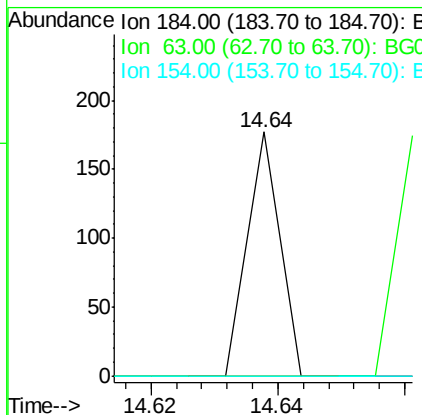
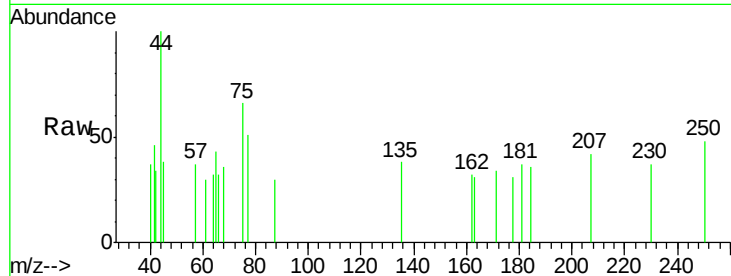




#53
2,4-Dinitrophenol
Concen: 6.627 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.15 min
Lab File: BG035658.D
Acq: 14 Jul 2018 9:41

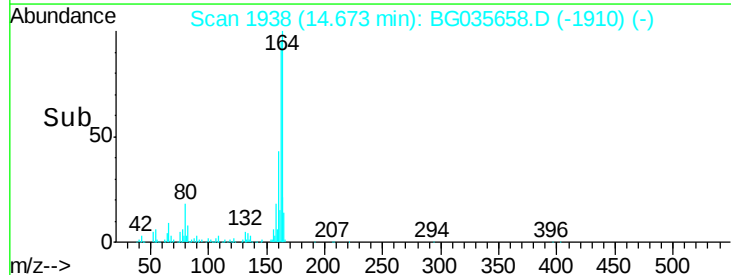
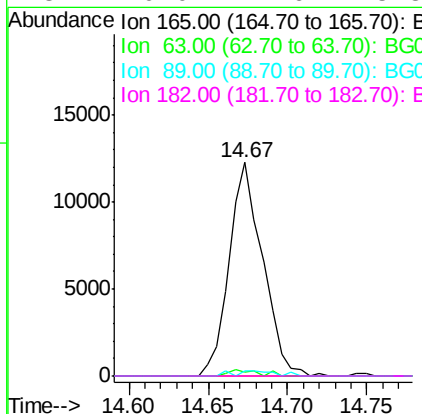
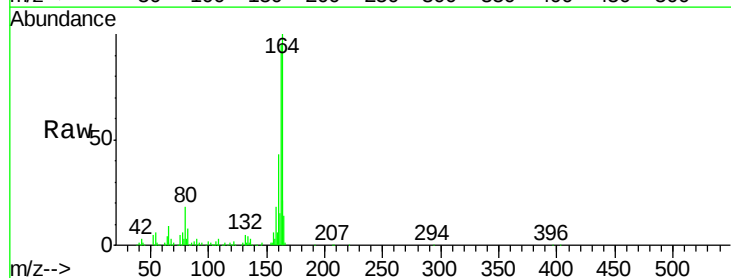
Instrument :
BNA_G
ClientSampled :
LS-SOIL-3

Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.117 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG035658.D
Acq: 14 Jul 2018 9:41

Tgt Ion:165 Resp: 17986
Ion Ratio Lower Upper
165 100
63 1.9 42.0 63.0#
89 2.3 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: BG035658.D

Acq: 14 Jul 2018 9:41

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

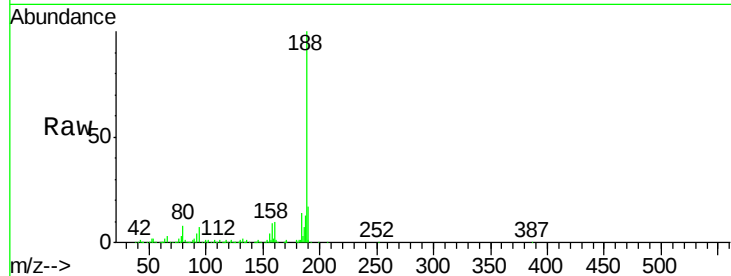
Tgt Ion:188 Resp: 386290

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

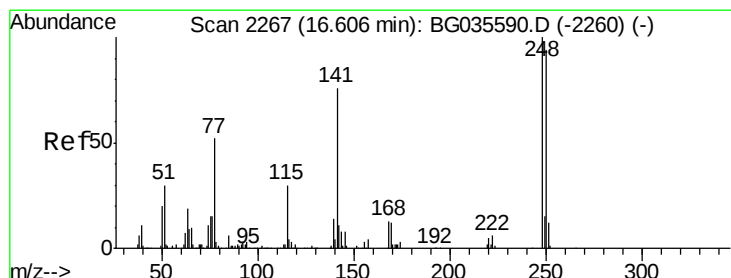
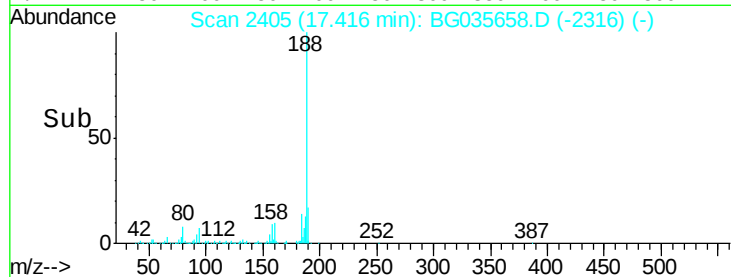
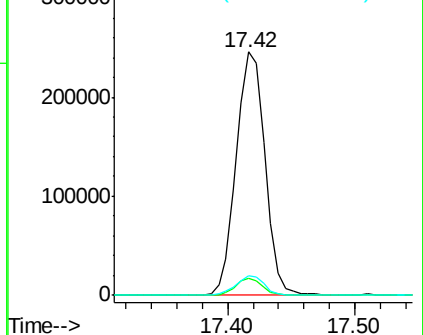
80 8.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 4.890 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.44 min

Lab File: BG035658.D

Acq: 14 Jul 2018 9:41

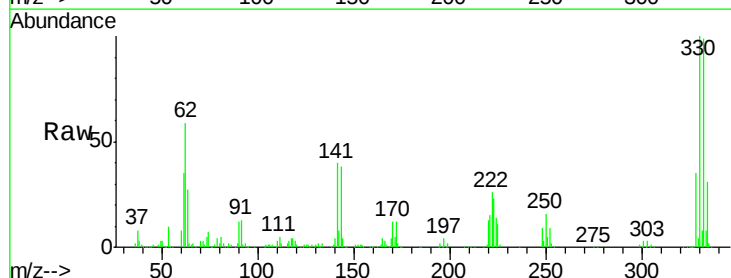
Tgt Ion:248 Resp: 21917

Ion Ratio Lower Upper

248 100

250 185.4 77.1 115.7#

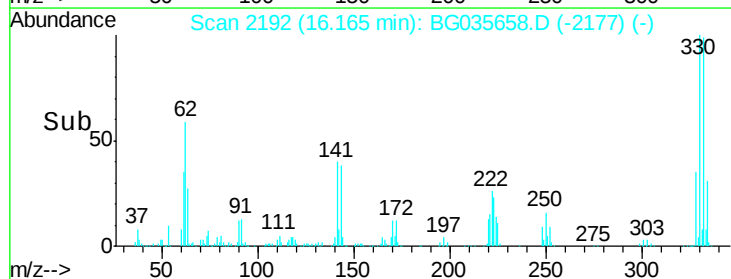
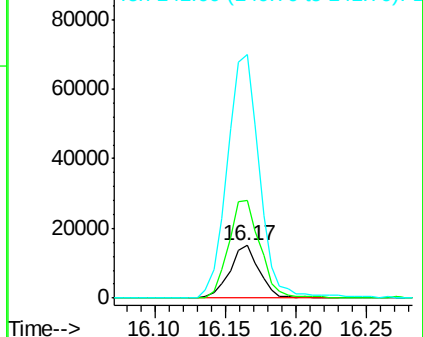
141 463.4 50.8 76.2#



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: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG035658.D

Acq: 14 Jul 2018 9:41

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

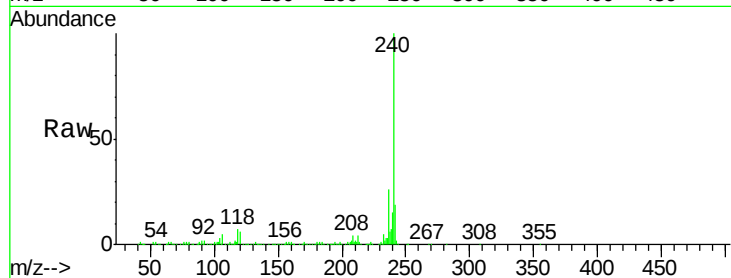
Tgt Ion:240 Resp: 420374

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

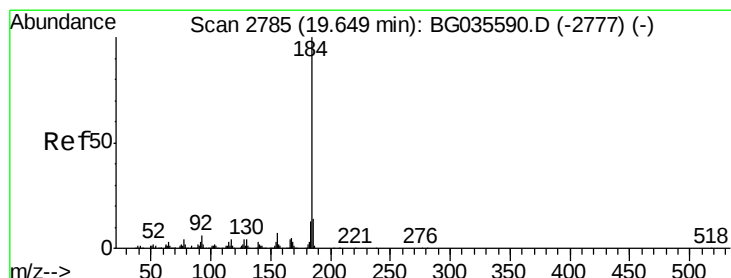
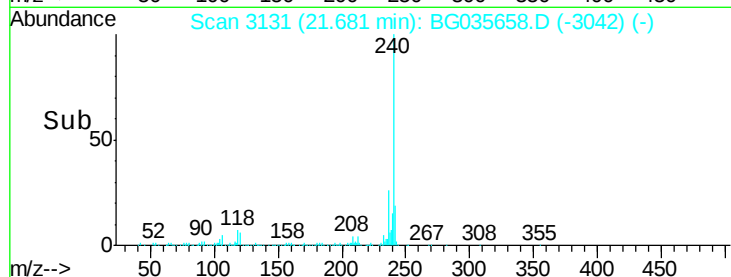
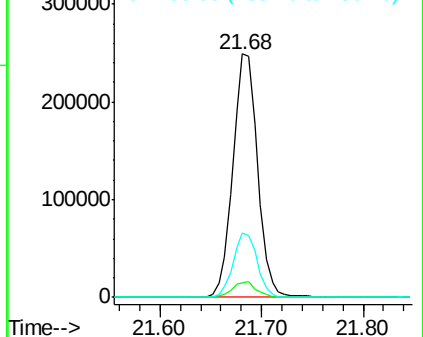
236 26.4 20.9 31.3



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: 3.060 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035658.D

Acq: 14 Jul 2018 9:41

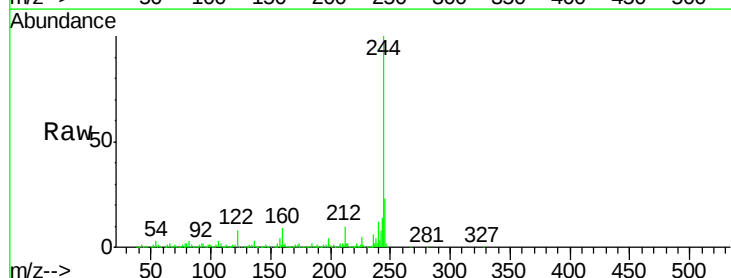
Tgt Ion:184 Resp: 33817

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

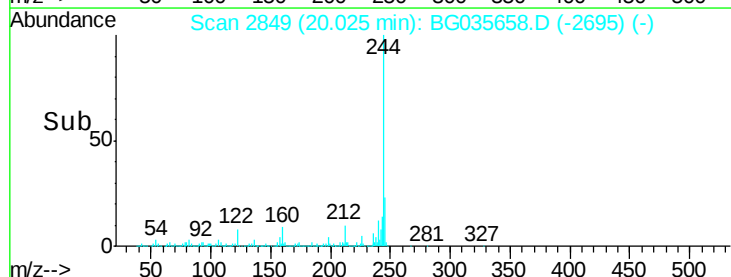
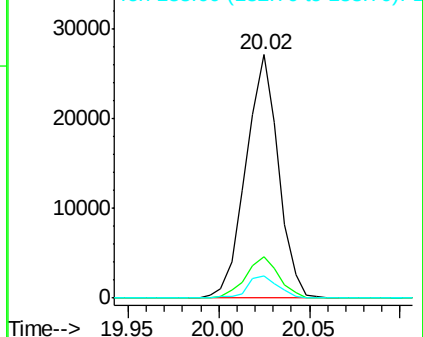
183 9.3 10.6 16.0#

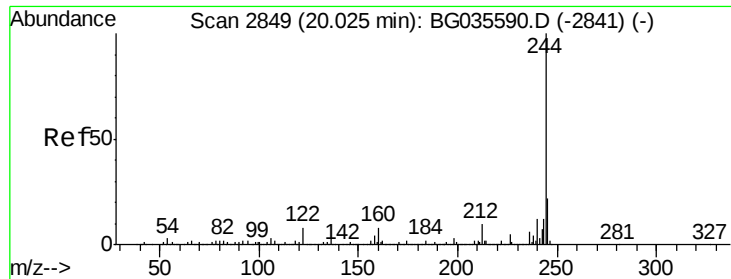


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

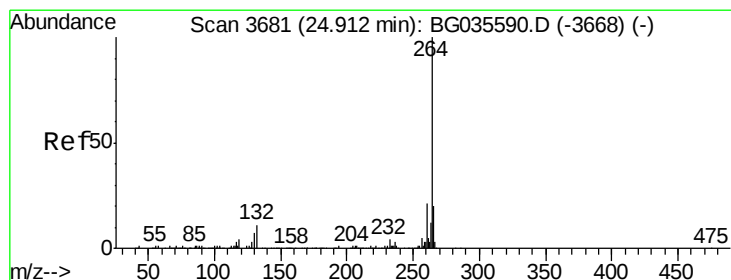
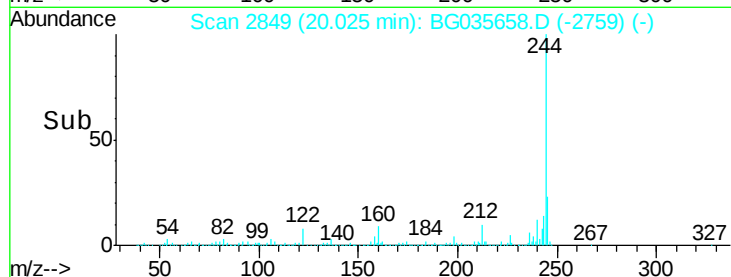
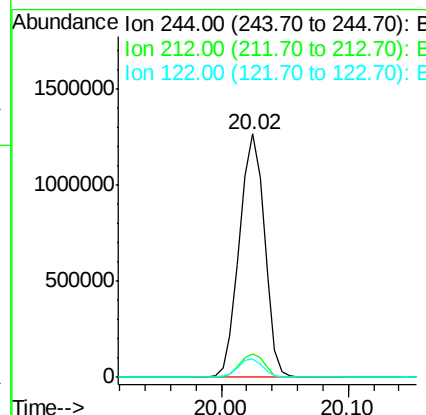
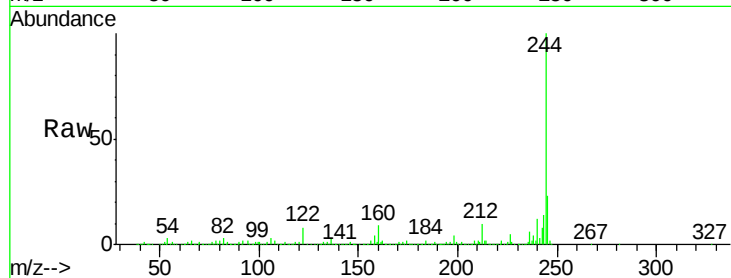




#78
 Terphenyl-d14
 Concen: 91.140 ng
 RT: 20.02 min Scan# 2849
 Delta R.T. -0.00 min
 Lab File: BG035658.D
 Acq: 14 Jul 2018 9:41

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-3

Tgt Ion:244 Resp: 1738099
 Ion Ratio Lower Upper
 244 100
 212 9.8 5.8 8.8#
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3680
 Delta R.T. -0.01 min
 Lab File: BG035658.D
 Acq: 14 Jul 2018 9:41

Tgt Ion:264 Resp: 388348
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.4 26.0
 265 23.1 17.7 26.5

