

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035776.D
 Acq On : 20 Jul 2018 9:07
 Operator : JU/SJ
 Sample : J4057-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-3

Quant Time: Jul 20 11:34:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

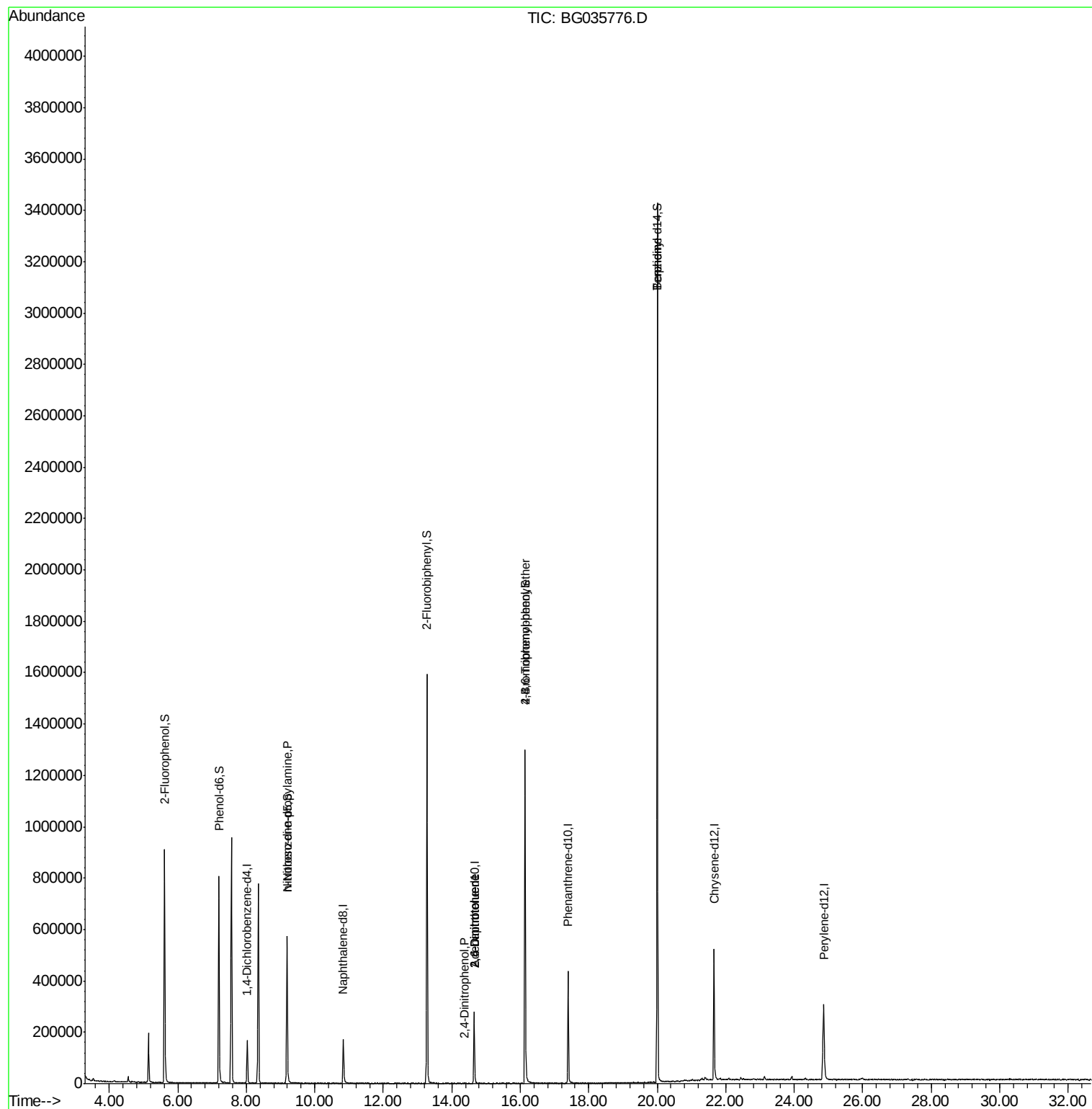
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	46904	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	161174	20.00	ng	-0.01
38) Acenaphthene-d10	14.65	164	106512	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	307471	20.00	ng	0.00
75) Chrysene-d12	21.66	240	346204	20.00	ng	-0.02
86) Perylene-d12	24.86	264	329169	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	397301	140.63	ng	0.00
7) Phenol-d6	7.20	99	509253	120.82	ng	0.00
23) Nitrobenzene-d5	9.19	82	400041	103.69	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	251110	178.87	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	879040	110.57	ng	-0.01
78) Terphenyl-d14	20.00	244	1698537	108.15	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	53583	15.096	ng	# 66
50) 2,6-Dinitrotoluene	14.65	165	14715	7.743	ng	# 19
53) 2,4-Dinitrophenol	14.37	184	57	6.636	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	14715	5.397	ng	# 17
66) 4-Bromophenyl-phenylether	16.14	248	19832	5.560	ng	# 1
76) Benzidine	20.01	184	30301	3.329	ng	# 95

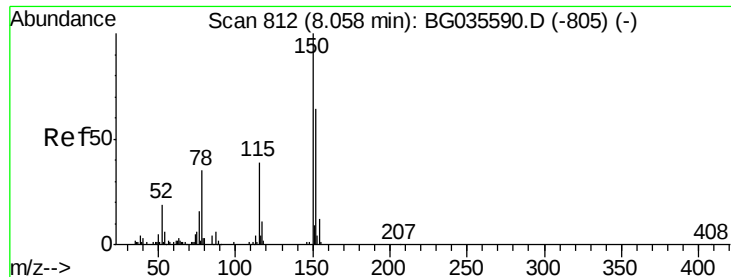
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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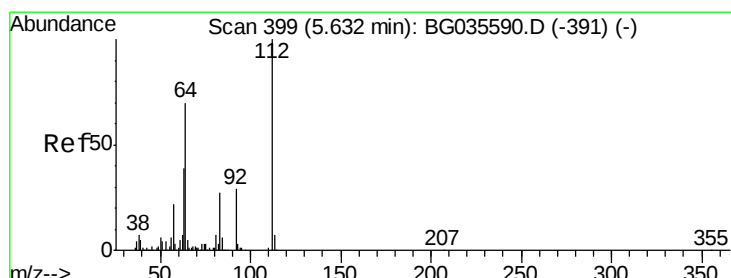
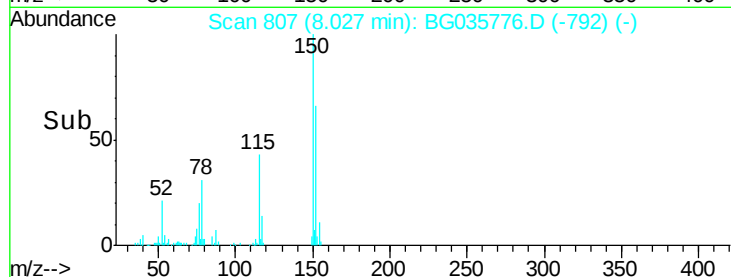
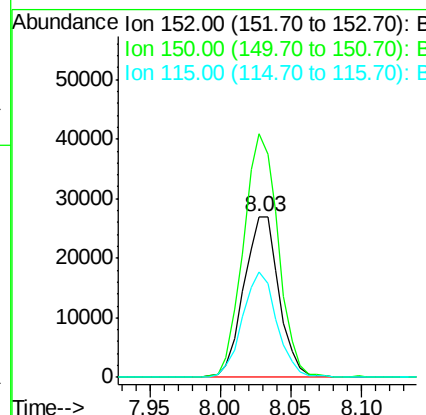
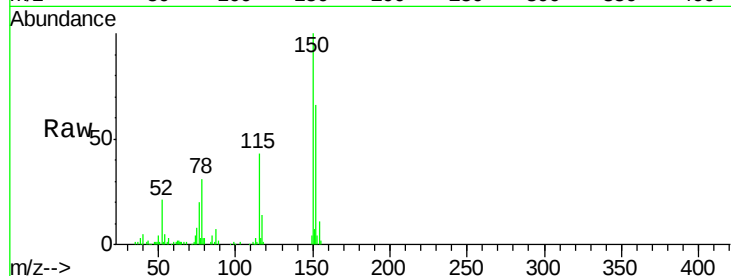


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG035776.D
Acq: 20 Jul 2018 9:07

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-3

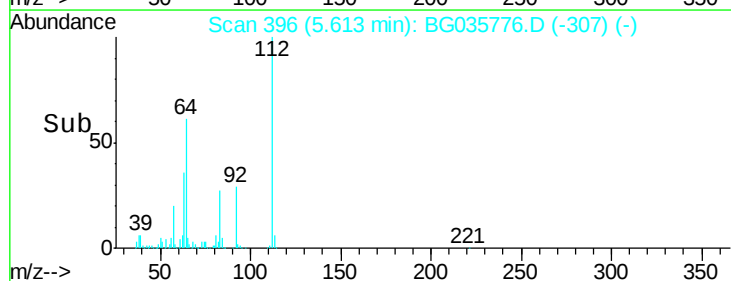
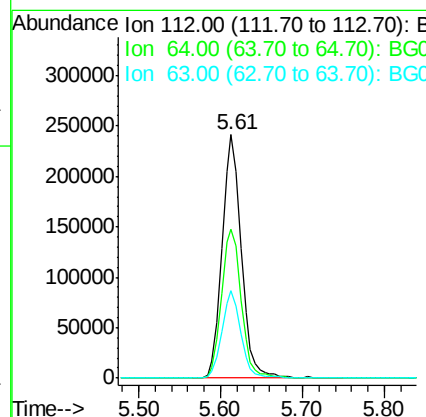
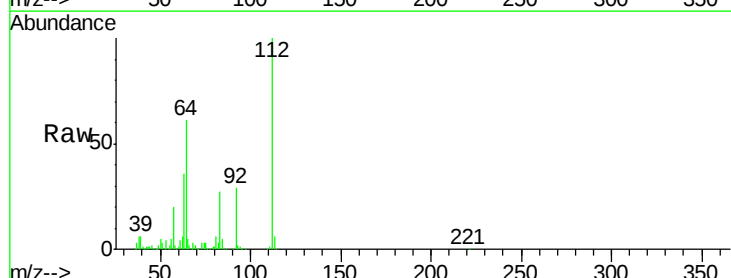
Tgt Ion:152 Resp: 46904
Ion Ratio Lower Upper
152 100
150 151.4 126.6 189.8
115 65.3 53.0 79.4

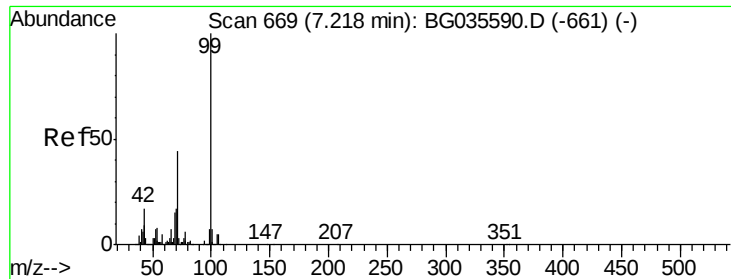


#5

2-Fluorophenol
Concen: 140.630 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG035776.D
Acq: 20 Jul 2018 9:07

Tgt Ion:112 Resp: 397301
Ion Ratio Lower Upper
112 100
64 61.1 56.3 84.5
63 35.9 30.1 45.1





#7

Phenol-d6

Concen: 120.817 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

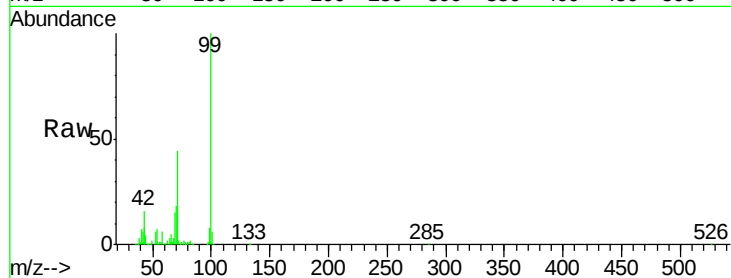
Tgt Ion: 99 Resp: 509253

Ion Ratio Lower Upper

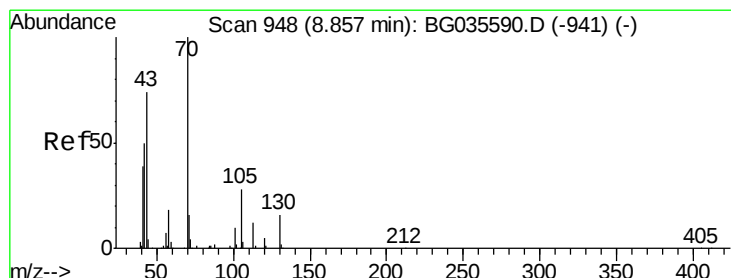
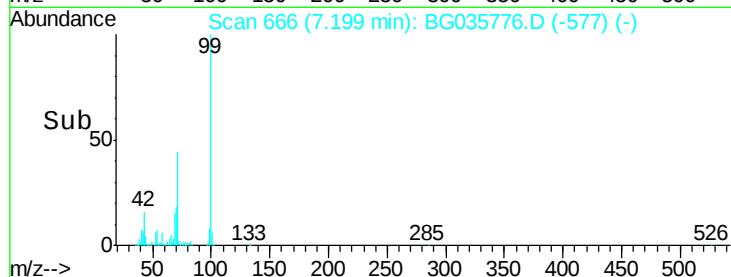
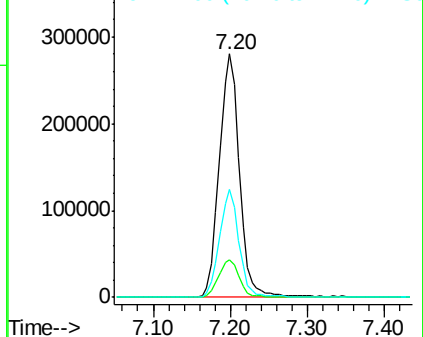
99 100

42 15.6 14.1 21.1

71 44.5 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: 15.096 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.35 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

Tgt Ion: 70 Resp: 53583

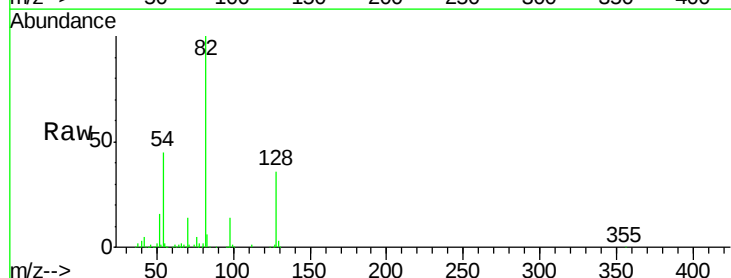
Ion Ratio Lower Upper

70 100

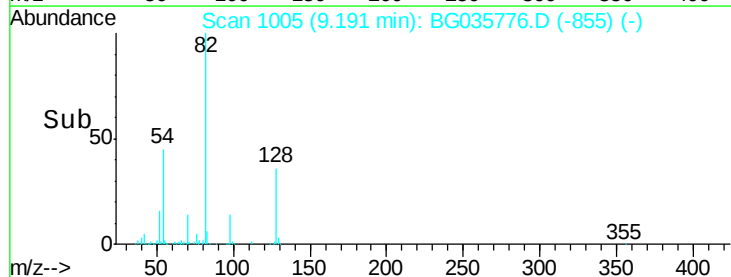
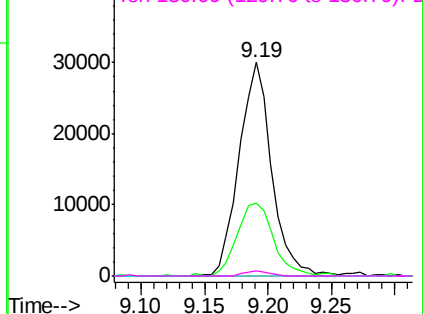
42 34.1 49.1 73.7#

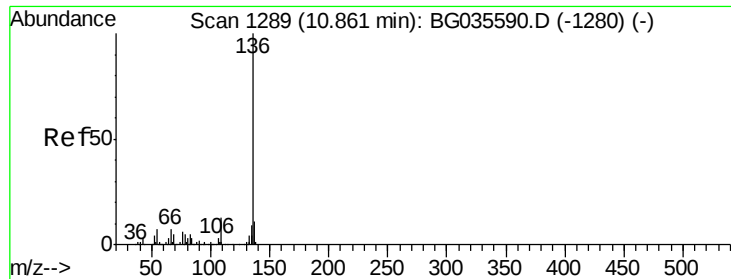
101 0.0 8.5 12.7#

130 2.2 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

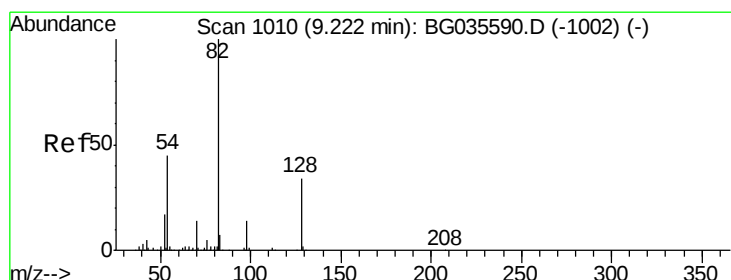
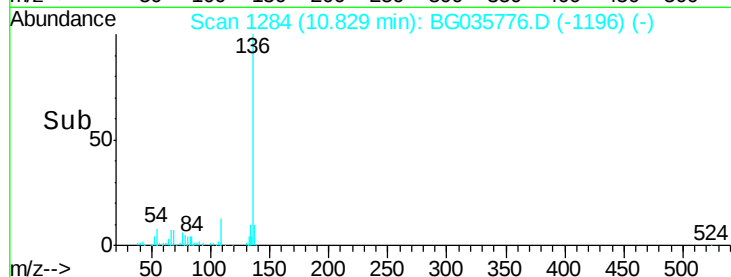
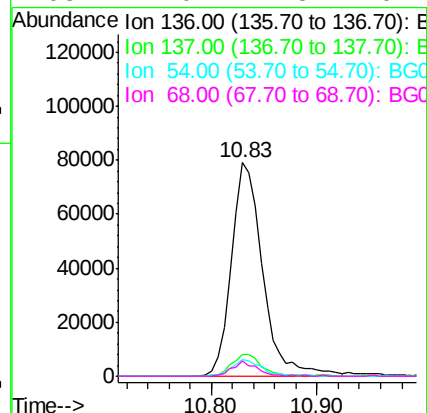
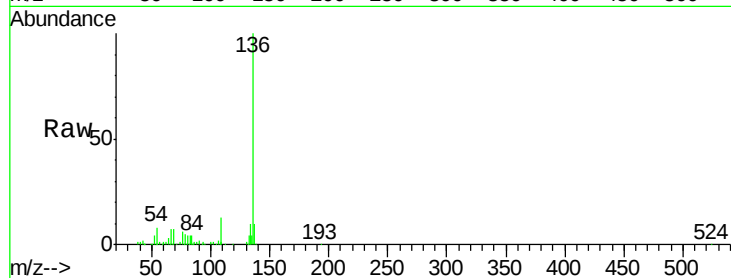




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG035776.D
Acq: 20 Jul 2018 9:07

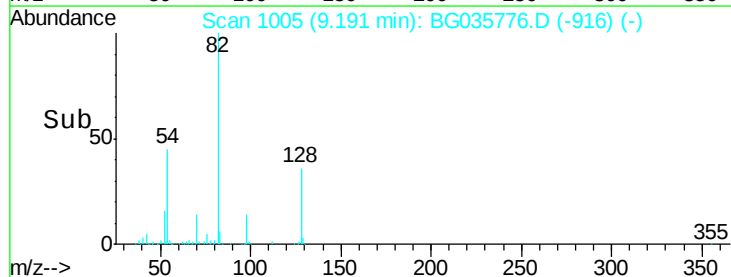
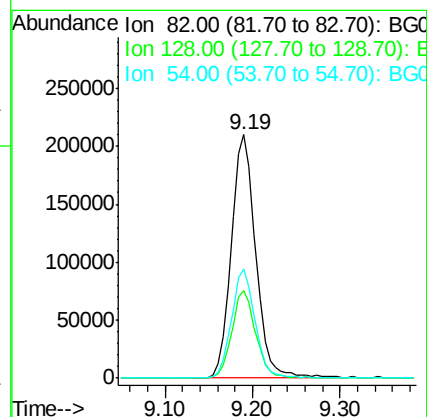
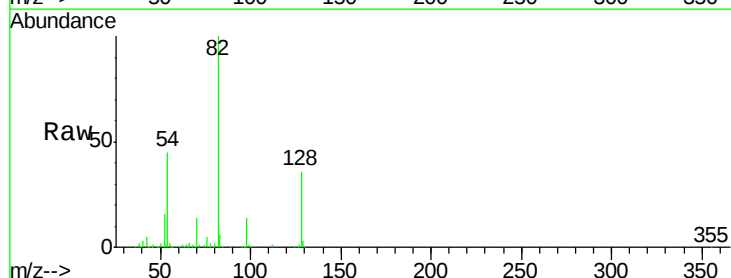
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-3

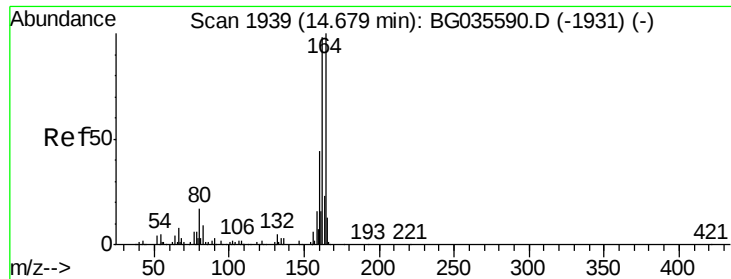
Tgt Ion:	136	Resp:	161174
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.8	10.3	15.5#
68	7.0	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 103.687 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BG035776.D
Acq: 20 Jul 2018 9:07

Tgt Ion:	82	Resp:	400041
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	45.0	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

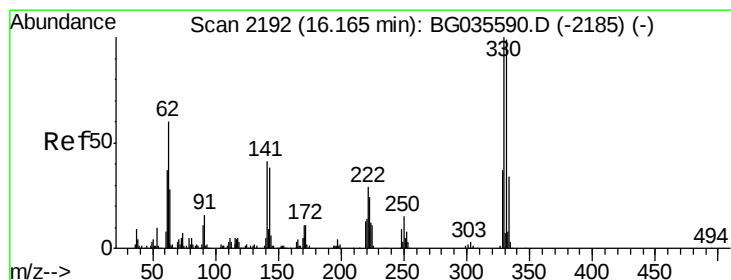
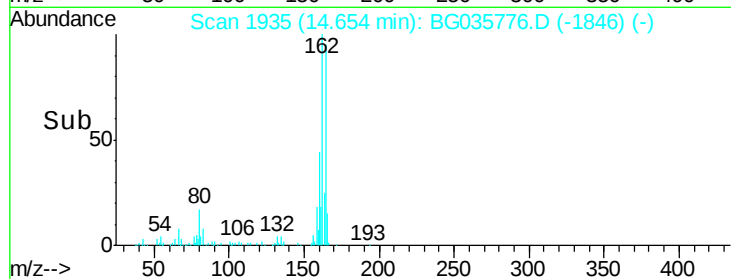
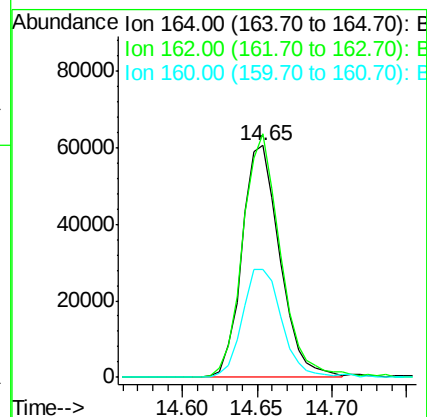
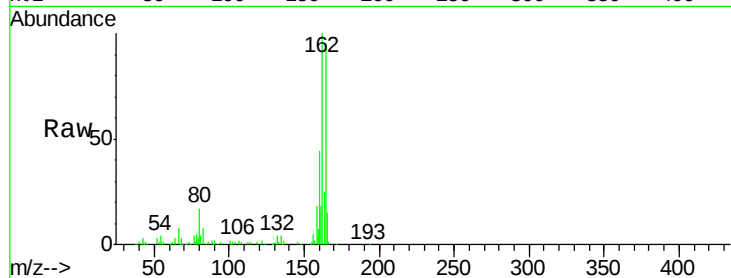
Tgt Ion:164 Resp: 106512

Ion Ratio Lower Upper

164 100

162 105.1 78.8 118.2

160 46.6 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 178.866 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

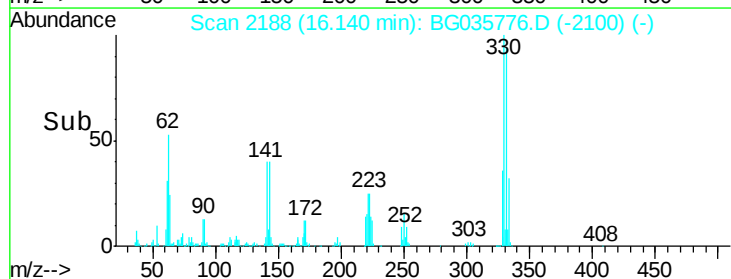
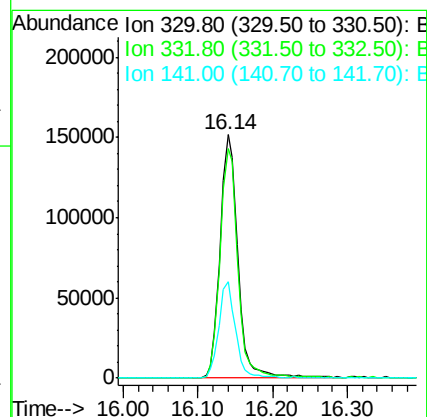
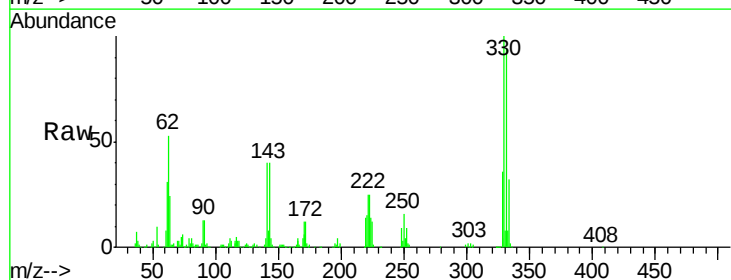
Tgt Ion:330 Resp: 251110

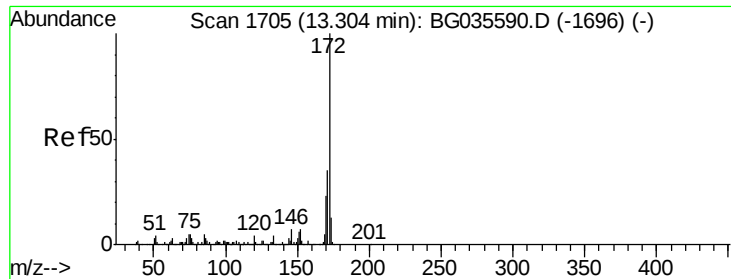
Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

141 37.1 25.2 37.8

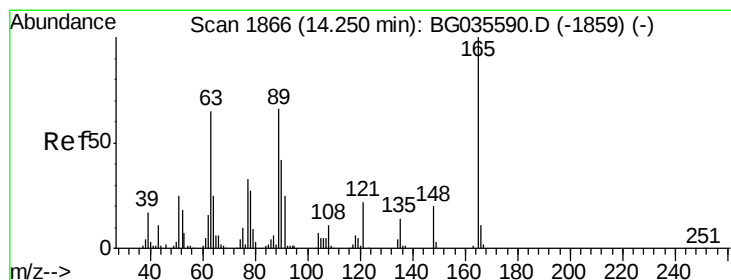
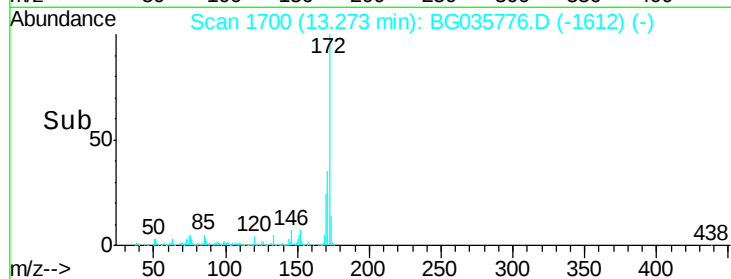
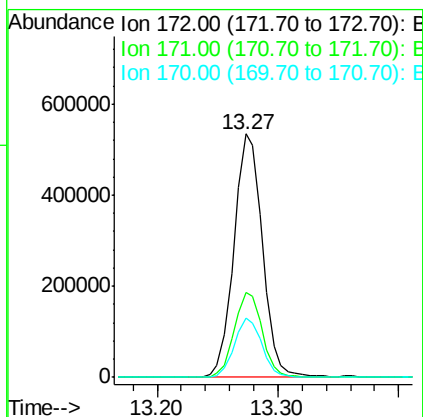
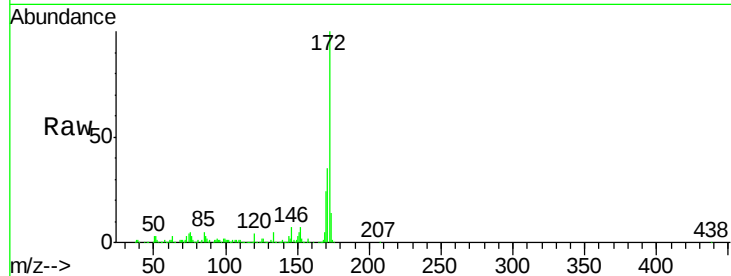




#44
2-Fluorobiphenyl
Concen: 110.568 ng
RT: 13.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BG035776.D
Acq: 20 Jul 2018 9:07

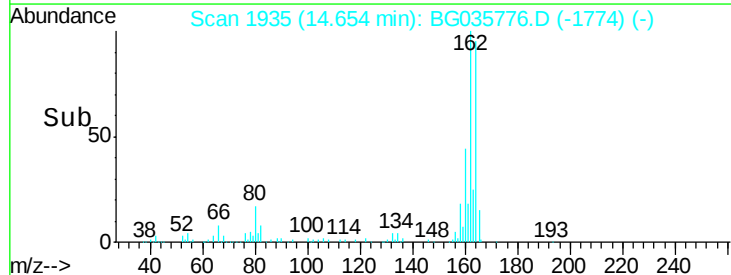
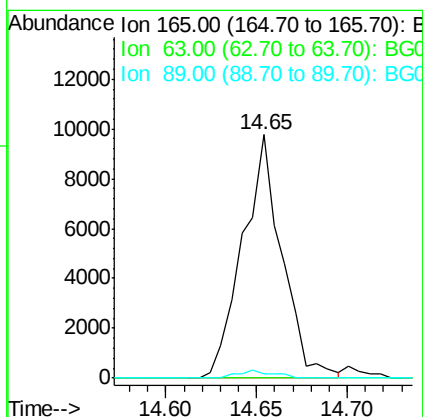
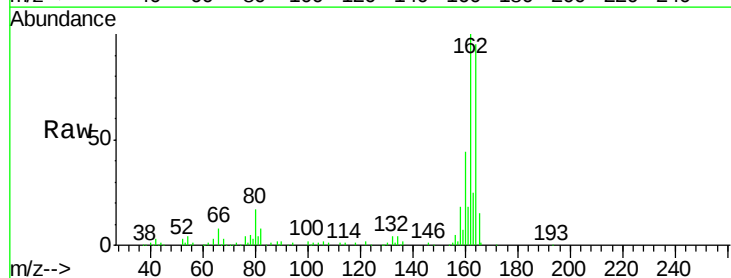
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-3

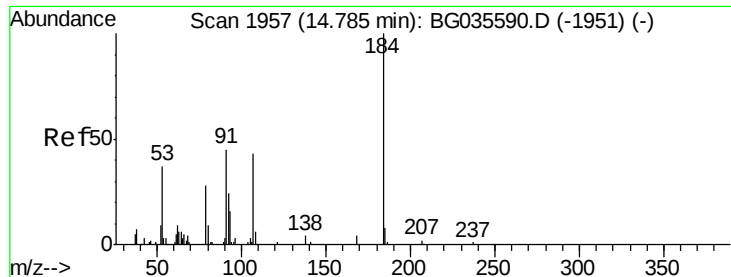
Tgt Ion:172 Resp: 879040
Ion Ratio Lower Upper
172 100
171 34.7 30.0 45.0
170 24.2 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.743 ng
RT: 14.65 min Scan# 1935
Delta R.T. 0.42 min
Lab File: BG035776.D
Acq: 20 Jul 2018 9:07

Tgt Ion:165 Resp: 14715
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.7 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.636 ng

RT: 14.37 min Scan# 1887

Delta R.T. -0.43 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

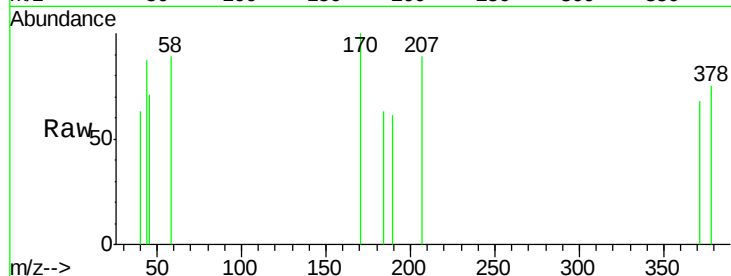
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

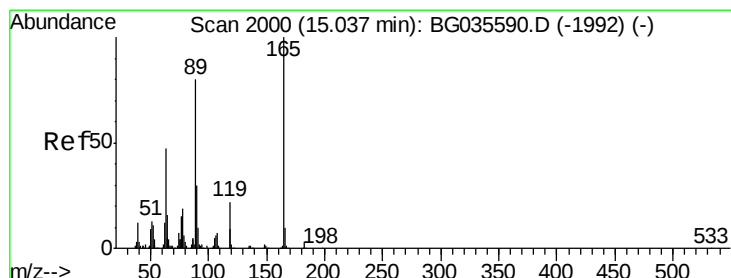
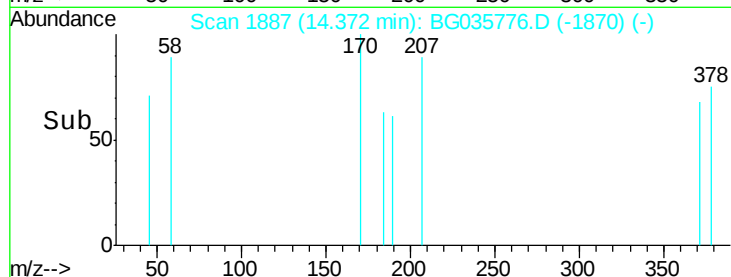
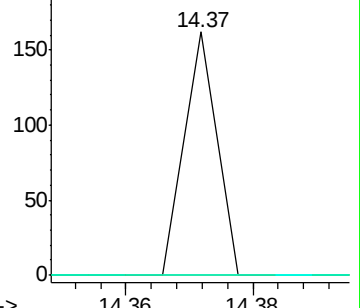
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.397 ng

RT: 14.65 min Scan# 1935

Delta R.T. -0.37 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

Tgt Ion:165 Resp: 14715

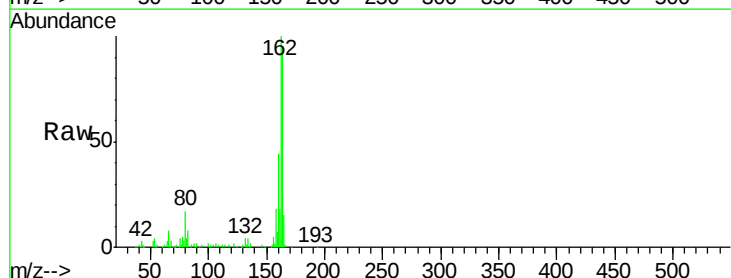
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.7 66.9 100.3#

182 0.0 2.6 3.8#

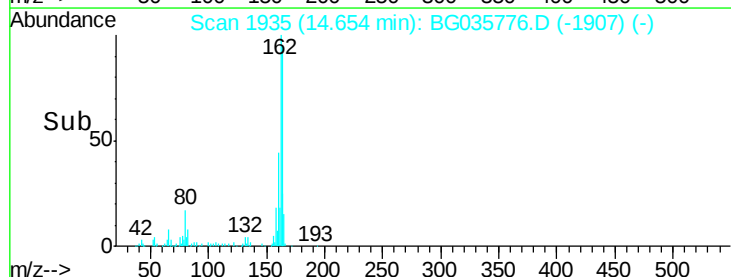
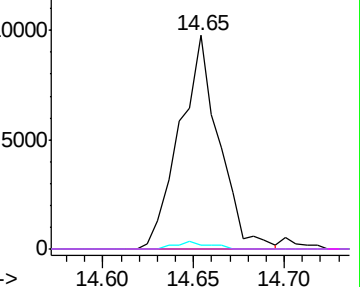


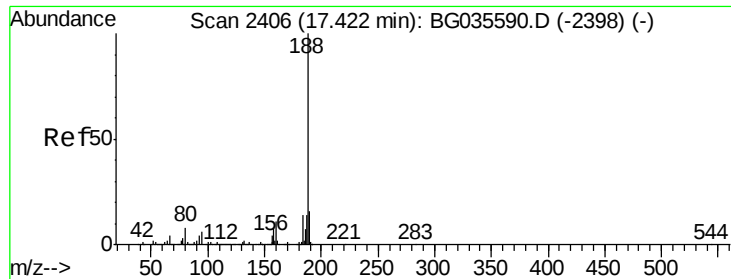
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

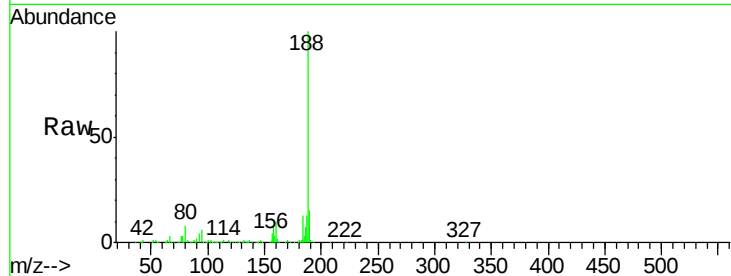
Tgt Ion:188 Resp: 307471

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

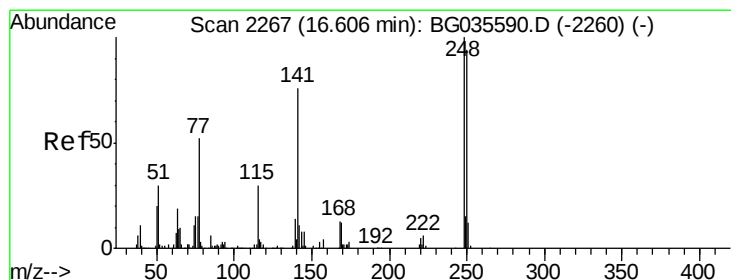
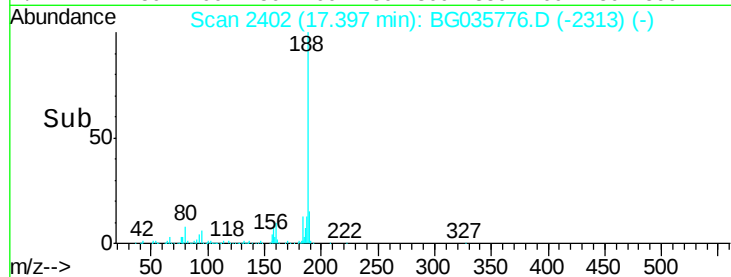
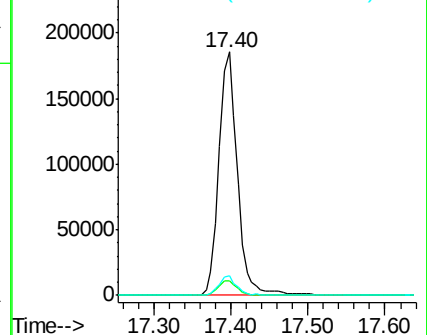
80 8.0 7.7 11.5



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: 5.560 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.45 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

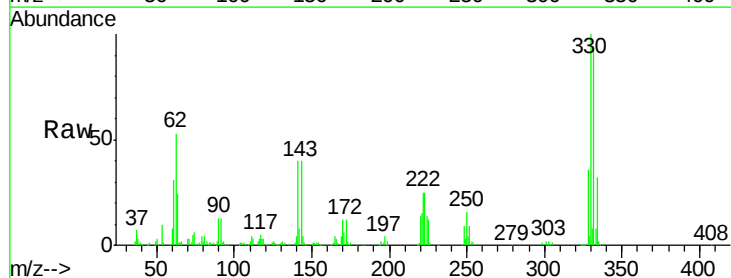
Tgt Ion:248 Resp: 19832

Ion Ratio Lower Upper

248 100

250 187.5 77.1 115.7#

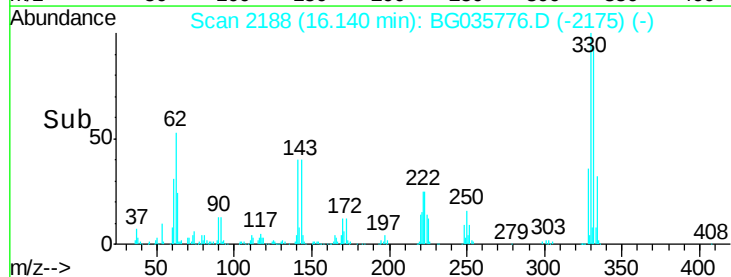
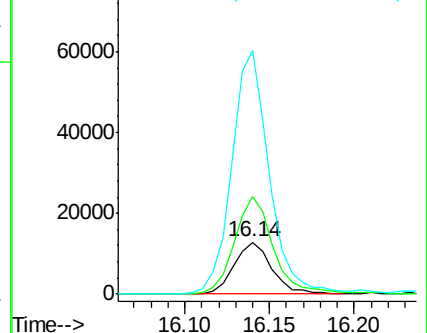
141 465.9 50.8 76.2#

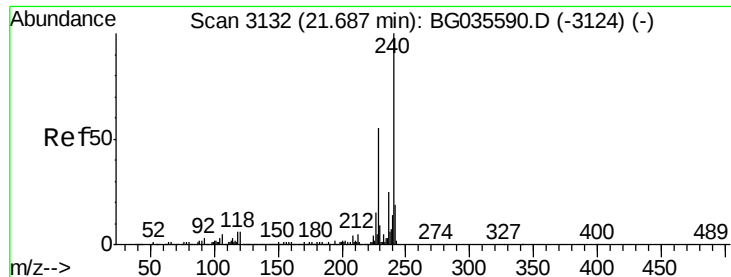


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

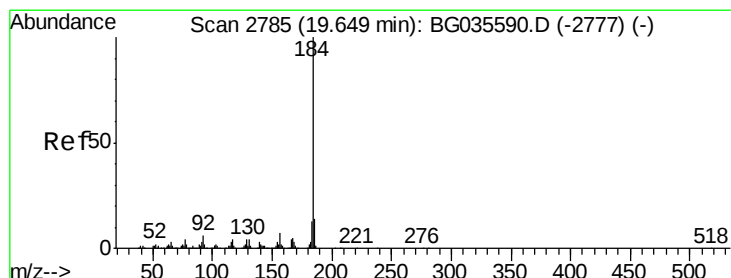
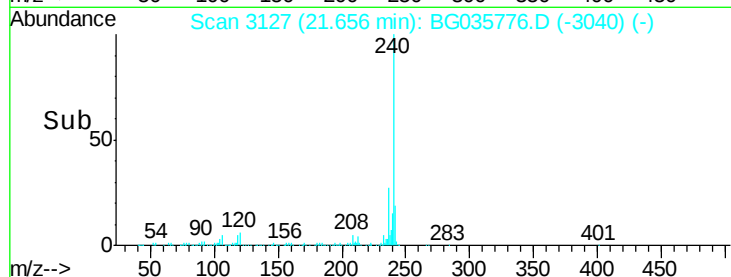
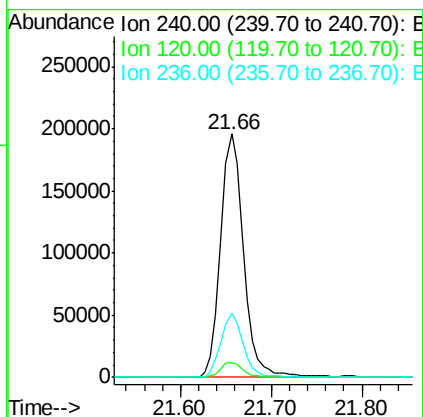
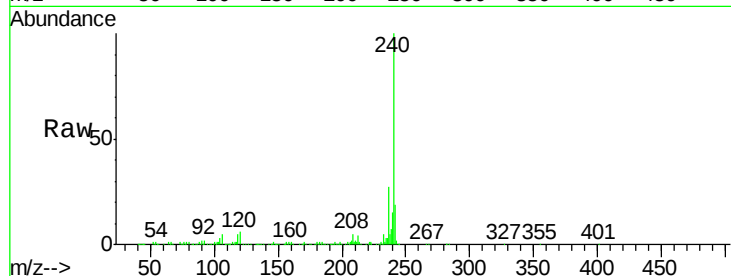




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BG035776.D
Acq: 20 Jul 2018 9:07

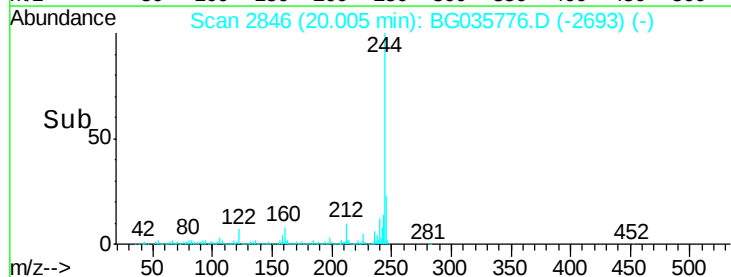
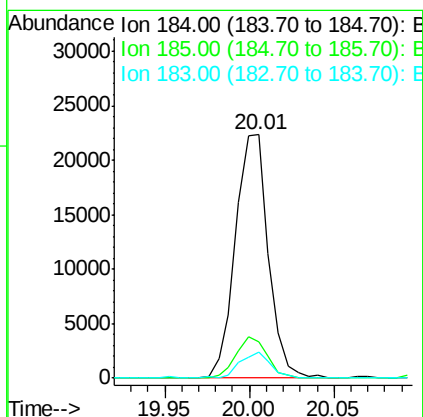
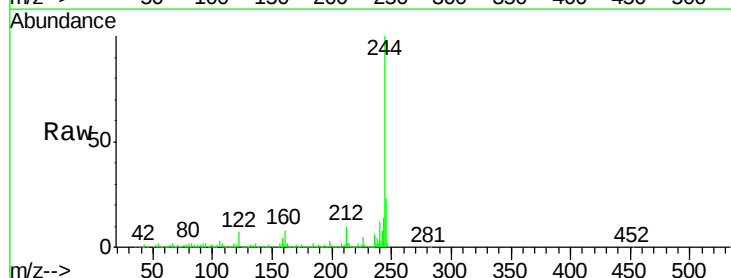
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-3

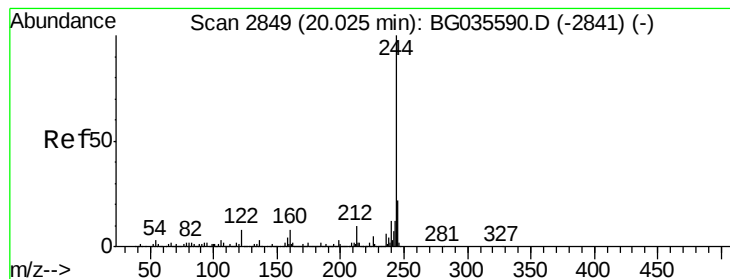
Tgt Ion:240 Resp: 346204
Ion Ratio Lower Upper
240 100
120 6.0 6.8 10.2#
236 26.6 20.9 31.3



#76
Benzidine
Concen: 3.329 ng
RT: 20.01 min Scan# 2846
Delta R.T. 0.37 min
Lab File: BG035776.D
Acq: 20 Jul 2018 9:07

Tgt Ion:184 Resp: 30301
Ion Ratio Lower Upper
184 100
185 15.1 11.1 16.7
183 10.6 10.6 16.0#





#78

Terphenyl-d14

Concen: 108.147 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-3

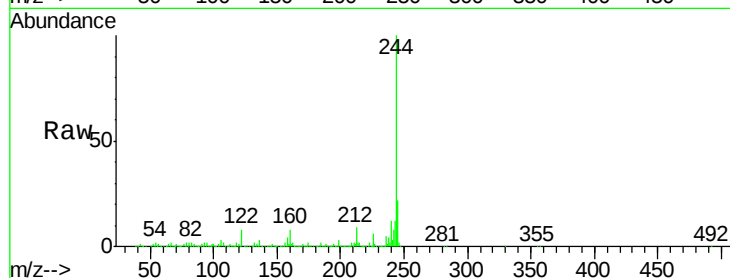
Tgt Ion:244 Resp: 1698537

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

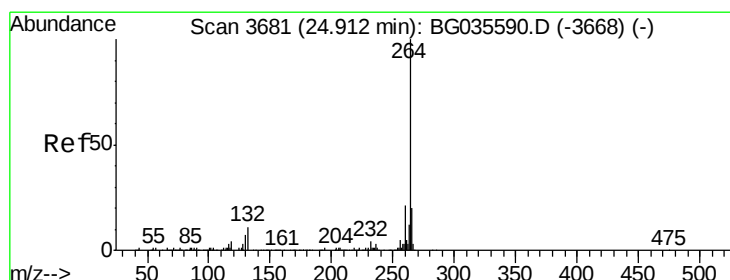
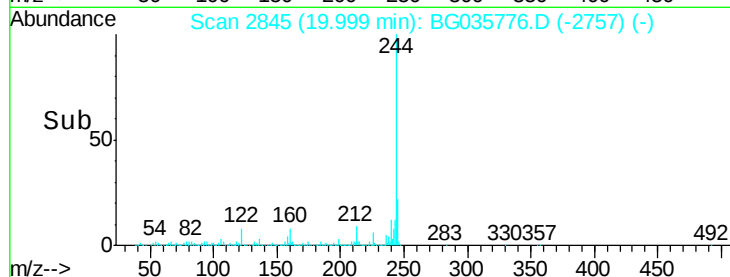
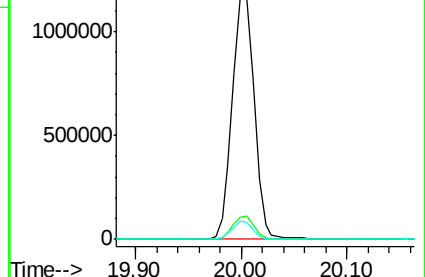
122 7.7 7.0 10.4



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: 24.86 min Scan# 3672

Delta R.T. -0.02 min

Lab File: BG035776.D

Acq: 20 Jul 2018 9:07

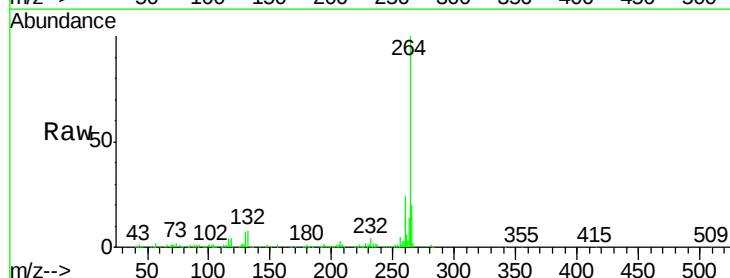
Tgt Ion:264 Resp: 329169

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.0

265 20.0 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

