

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035777.D
 Acq On : 20 Jul 2018 9:46
 Operator : JU/SJ
 Sample : J4057-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

Quant Time: Jul 20 11:35:07 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

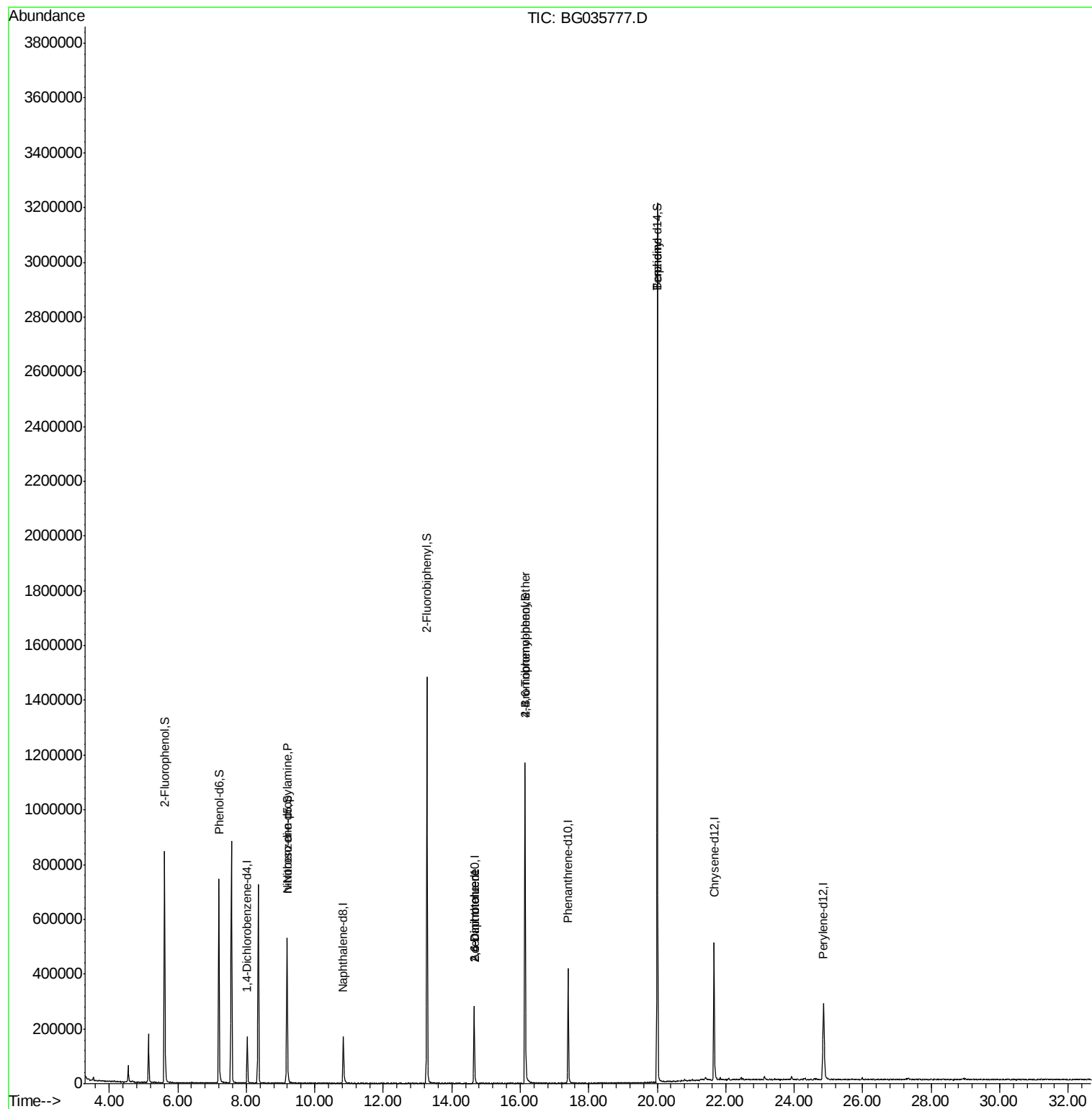
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	46961	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	162701	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	109567	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	296736	20.00	ng	0.00
75) Chrysene-d12	21.66	240	342935	20.00	ng	-0.02
86) Perylene-d12	24.86	264	330026	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	369642	130.68	ng	0.00
7) Phenol-d6	7.20	99	462160	109.51	ng	0.00
23) Nitrobenzene-d5	9.19	82	376305	96.62	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	229225	158.73	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	825849	100.98	ng	-0.01
78) Terphenyl-d14	20.01	244	1588447	102.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	52402	14.745	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	14800	7.571	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	14800	5.277	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	17928	5.208	ng	# 1
76) Benzidine	20.00	184	29364	3.257	ng	# 91

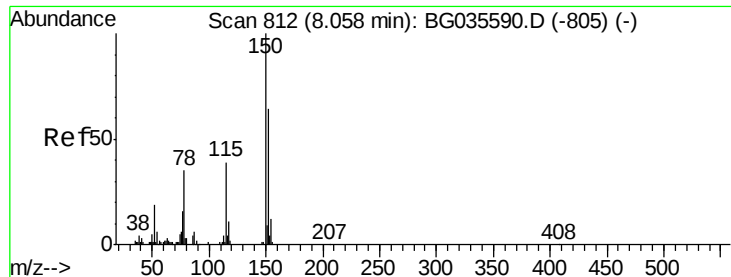
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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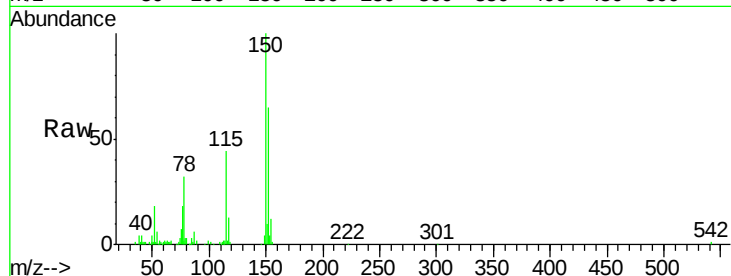


#1

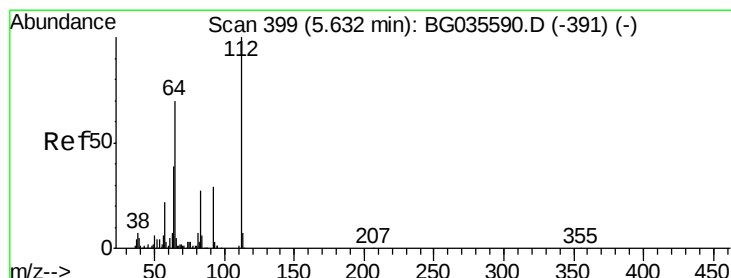
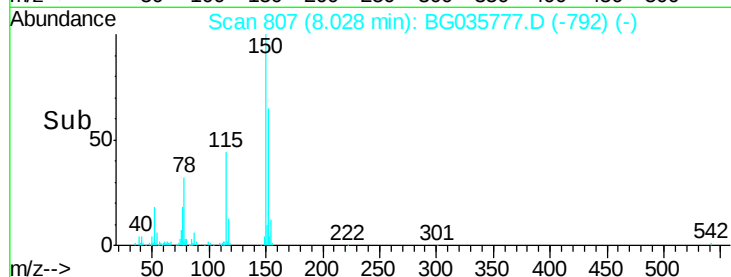
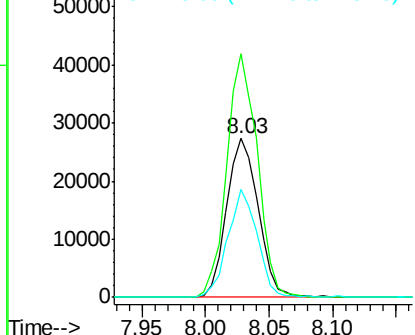
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Instrument :
BNA_G
ClientSampled :
LS-SOIL-4

Tgt Ion:152 Resp: 46961
Ion Ratio Lower Upper
152 100
150 153.6 126.6 189.8
115 67.9 53.0 79.4



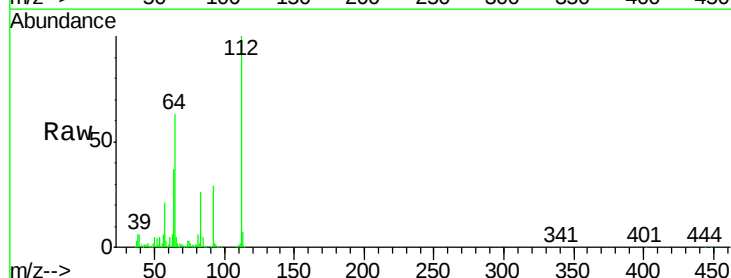
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



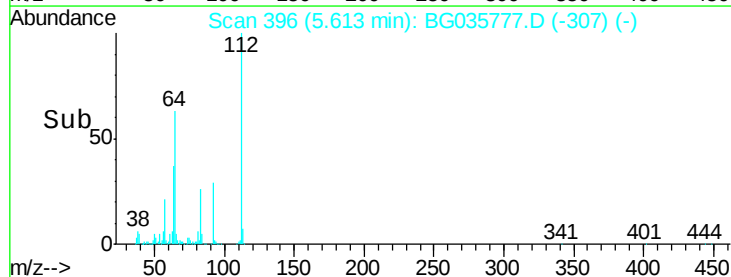
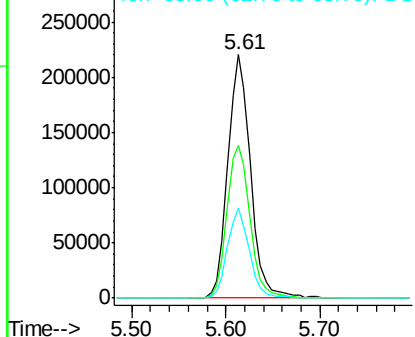
#5

2-Fluorophenol
Concen: 130.681 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion:112 Resp: 369642
Ion Ratio Lower Upper
112 100
64 62.6 56.3 84.5
63 36.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 109.511 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

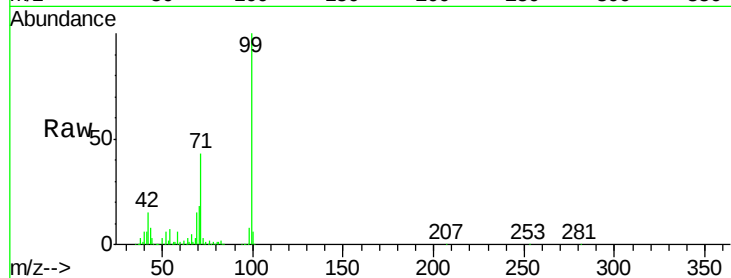
Tgt Ion: 99 Resp: 462160

Ion Ratio Lower Upper

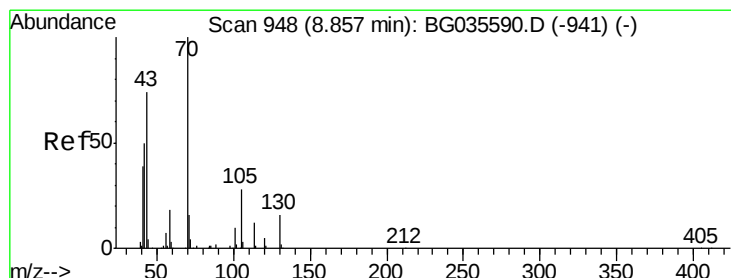
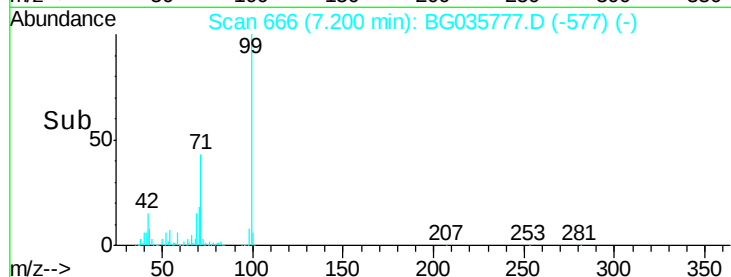
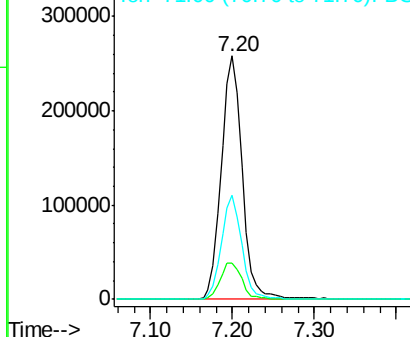
99 100

42 14.9 14.1 21.1

71 42.8 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: 14.745 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.35 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Tgt Ion: 70 Resp: 52402

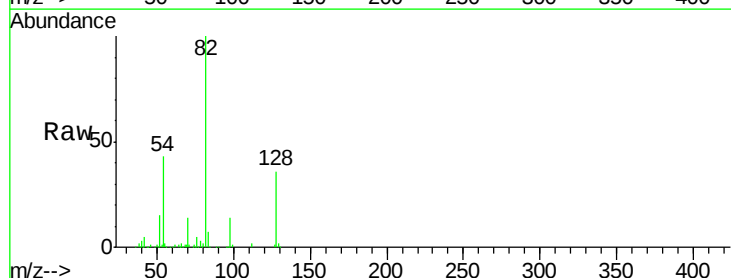
Ion Ratio Lower Upper

70 100

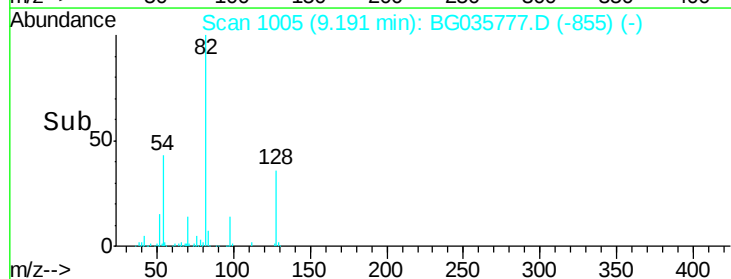
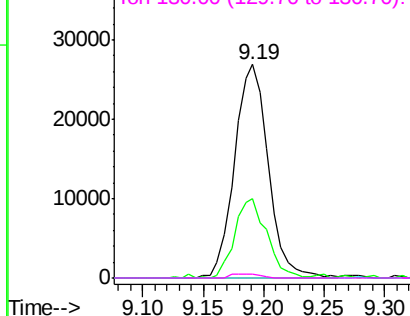
42 37.2 49.1 73.7#

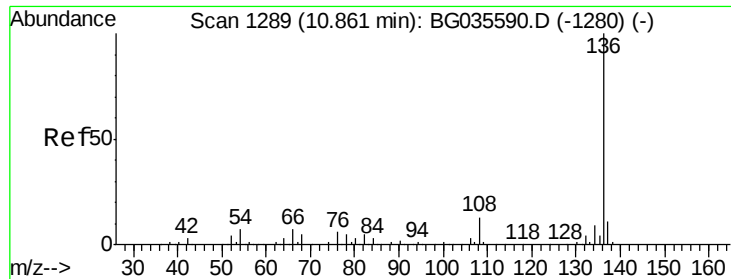
101 0.0 8.5 12.7#

130 1.7 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

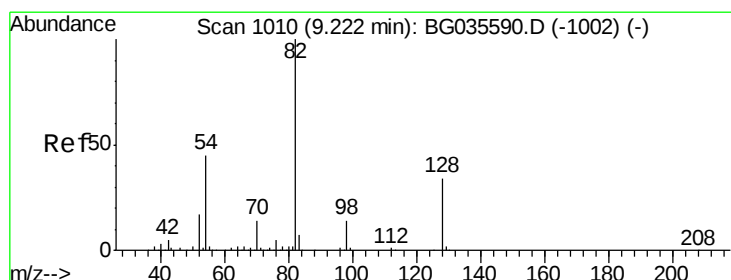
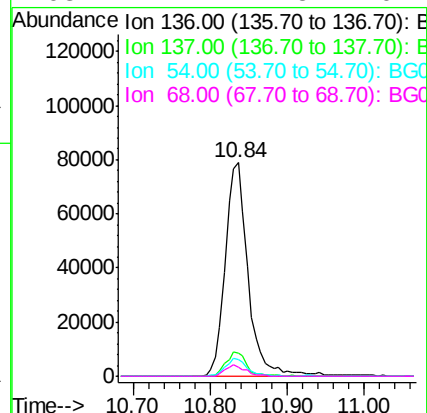
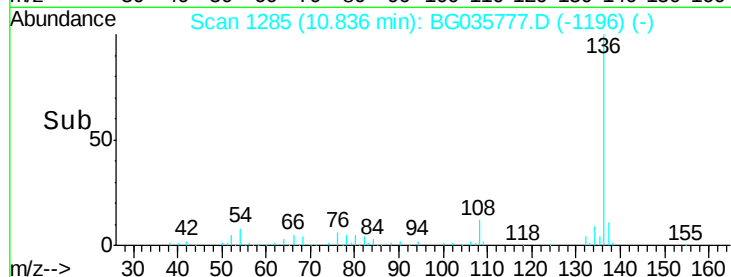
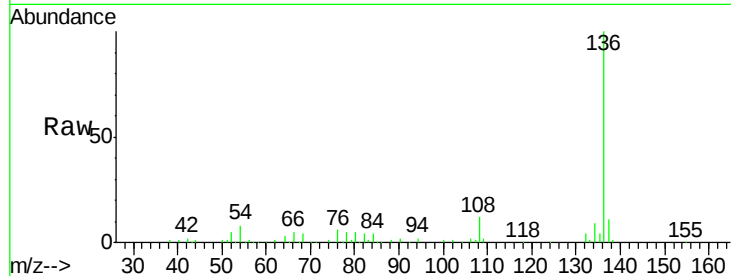




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

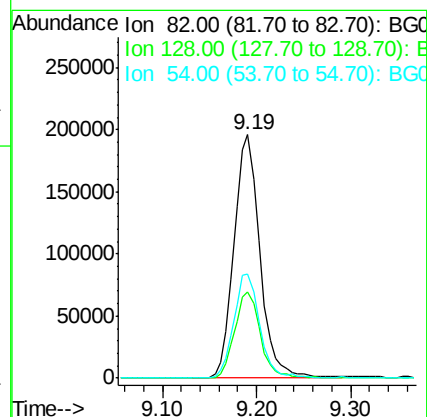
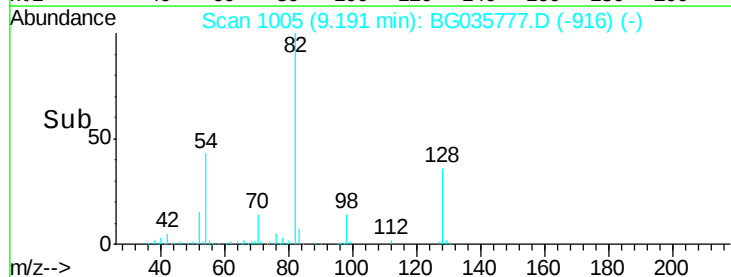
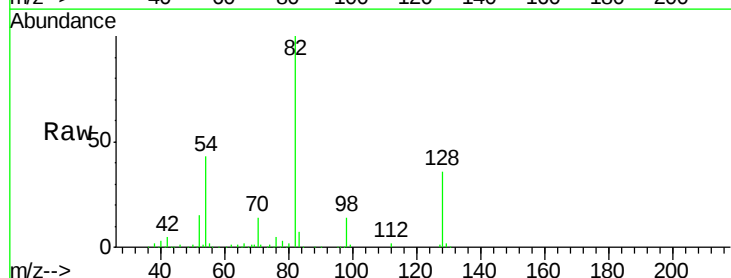
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

Tgt Ion: 136 Resp: 162701
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.9 10.3 15.5#
68 4.4 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 96.619 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion: 82 Resp: 376305
Ion Ratio Lower Upper
82 100
128 35.6 29.7 44.5
54 42.5 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: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

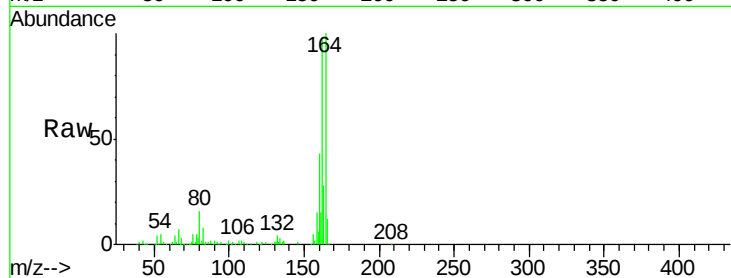
Tgt Ion:164 Resp: 109567

Ion Ratio Lower Upper

164 100

162 97.6 78.8 118.2

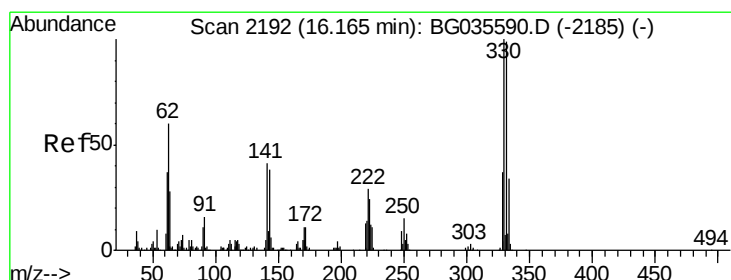
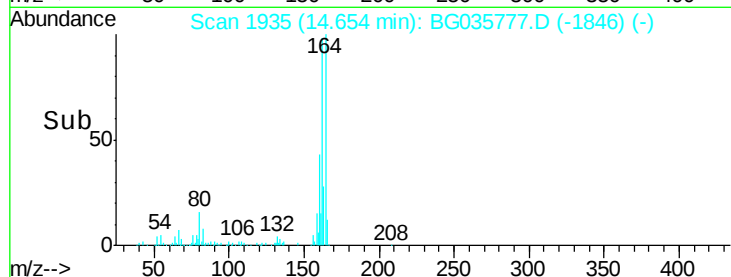
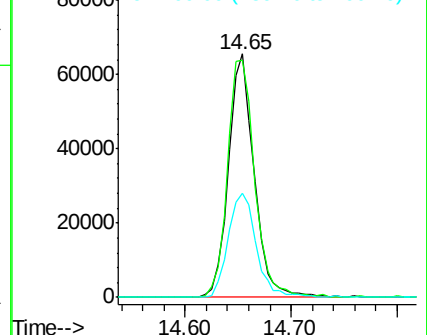
160 42.7 35.4 53.0



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: 158.725 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

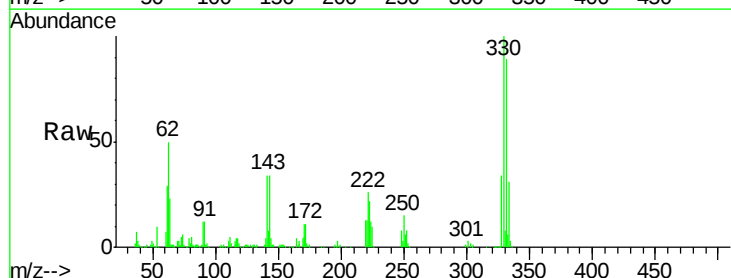
Tgt Ion:330 Resp: 229225

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

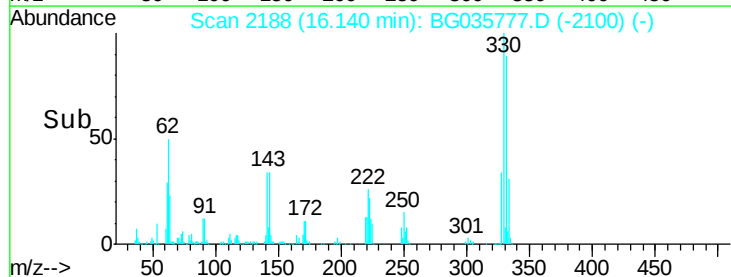
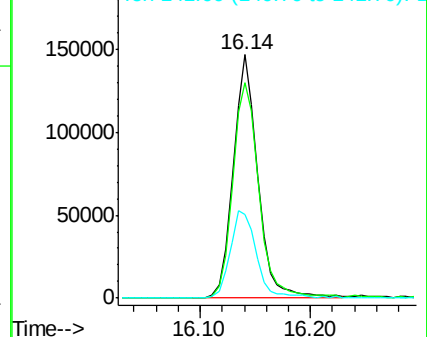
141 38.3 25.2 37.8#

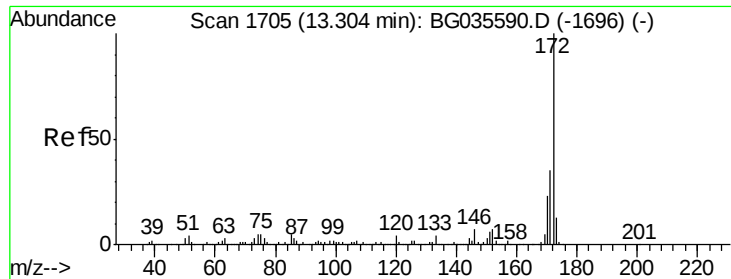


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

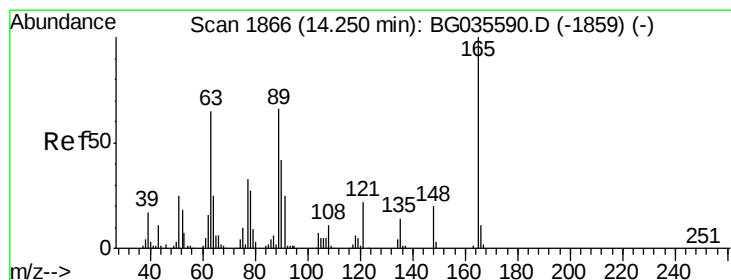
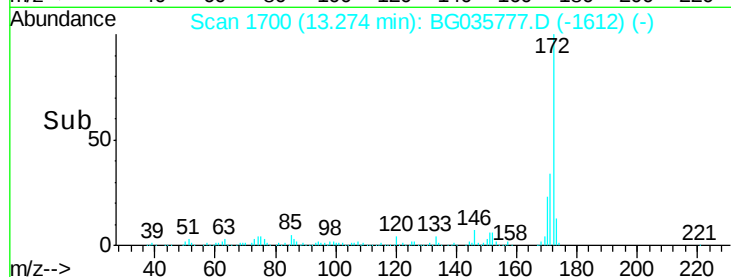
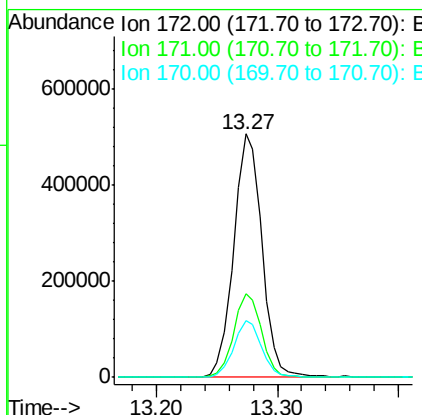
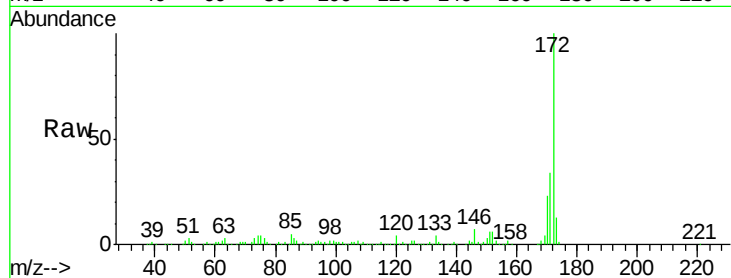




#44
 2-Fluorobiphenyl
 Concen: 100.981 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

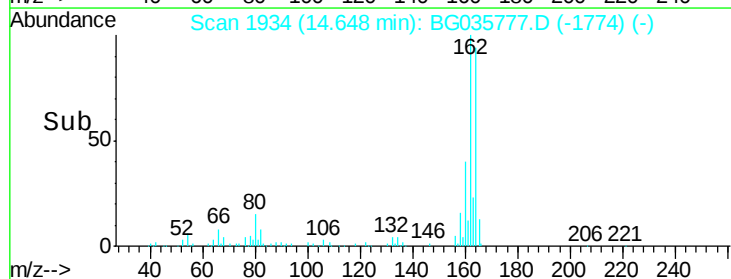
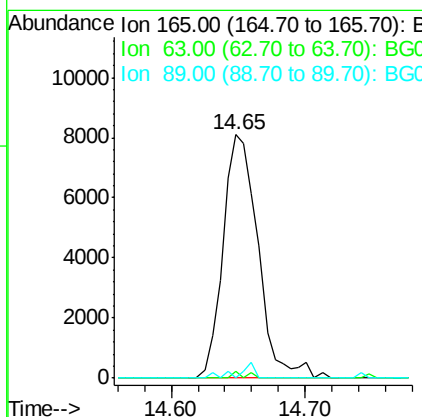
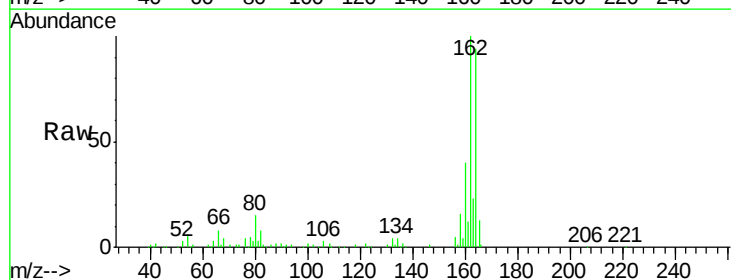
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

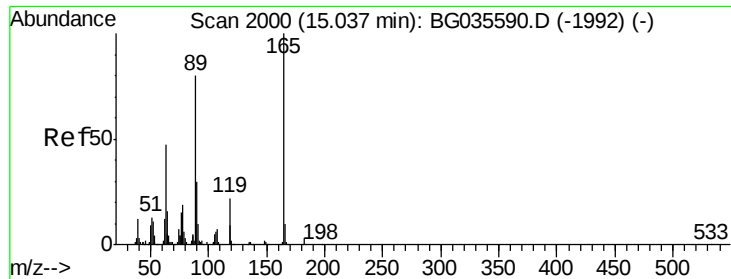
Tgt Ion:172 Resp: 825849
 Ion Ratio Lower Upper
 172 100
 171 34.2 30.0 45.0
 170 23.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.571 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.41 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Tgt Ion:165 Resp: 14800
 Ion Ratio Lower Upper
 165 100
 63 3.0 52.7 79.1#
 89 0.0 49.2 73.8#

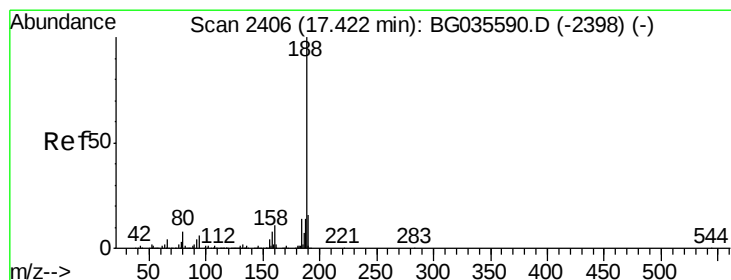
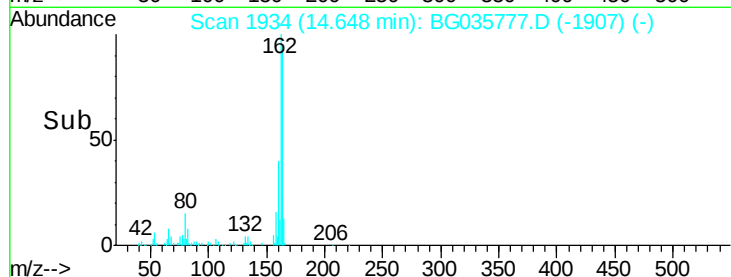
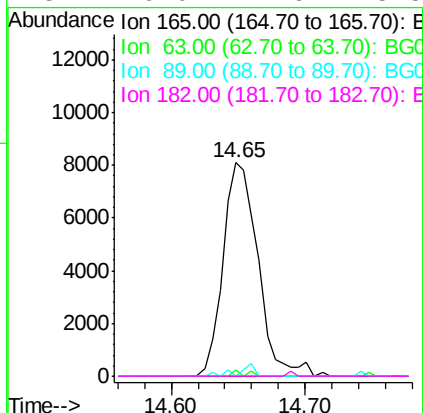
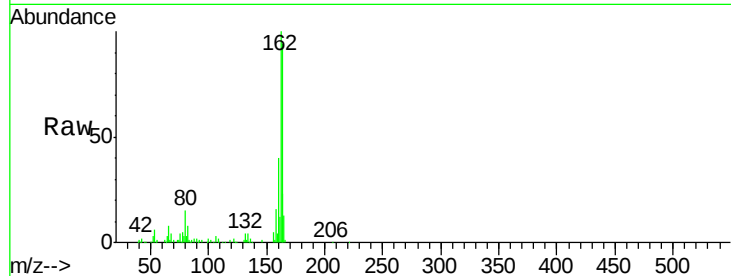




#56
2,4-Dinitrotoluene
Concen: 5.277 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.37 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

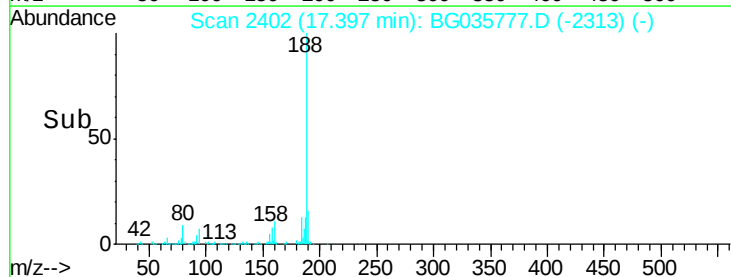
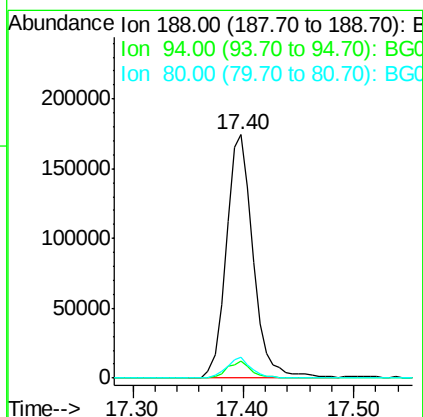
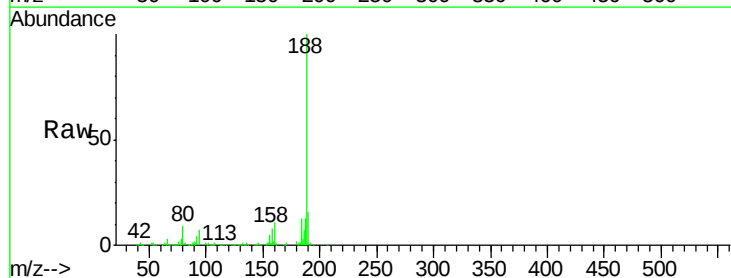
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

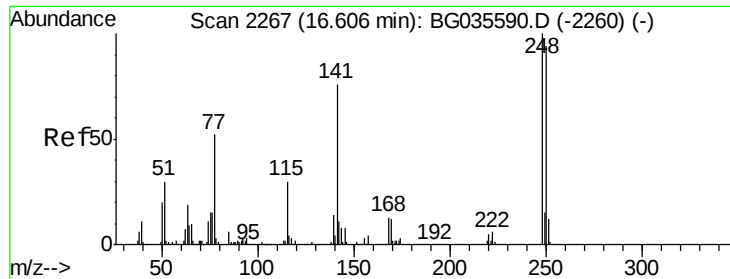
Tgt Ion:165 Resp: 14800
Ion Ratio Lower Upper
165 100
63 3.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion:188 Resp: 296736
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 8.7 7.7 11.5

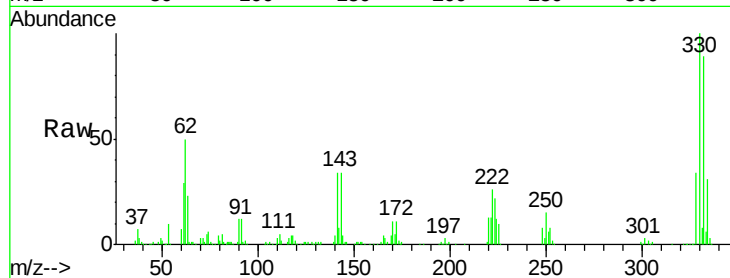




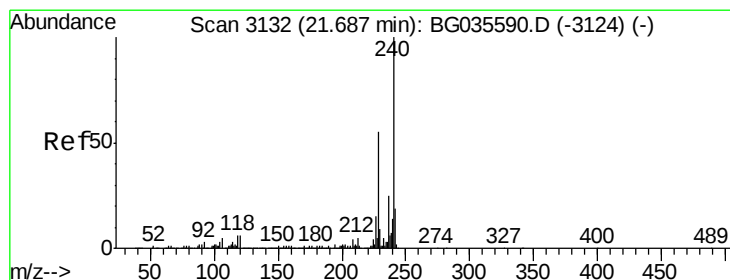
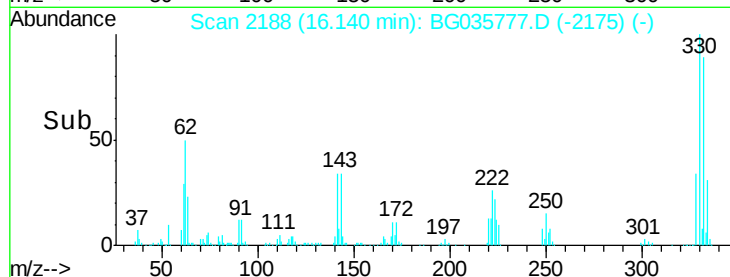
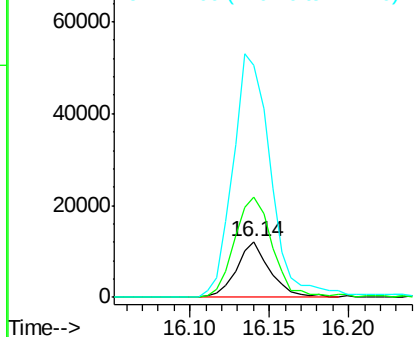
#66
 4-Bromophenyl-phenylether
 Concen: 5.208 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.45 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

Tgt Ion:248 Resp: 17928
 Ion Ratio Lower Upper
 248 100
 250 180.6 77.1 115.7#
 141 418.6 50.8 76.2#

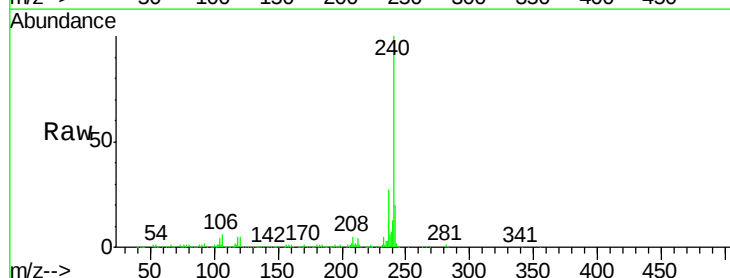


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

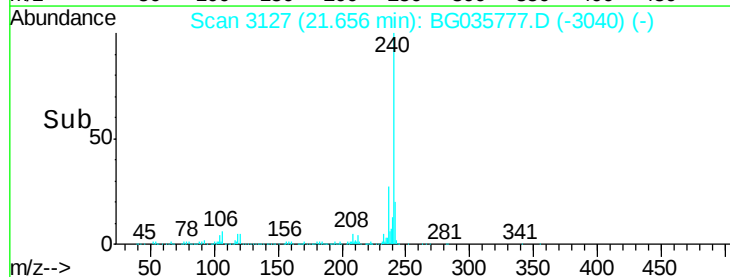
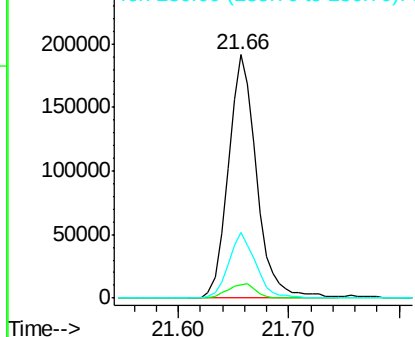


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.02 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Tgt Ion:240 Resp: 342935
 Ion Ratio Lower Upper
 240 100
 120 5.5 6.8 10.2#
 236 26.9 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: 3.257 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.36 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

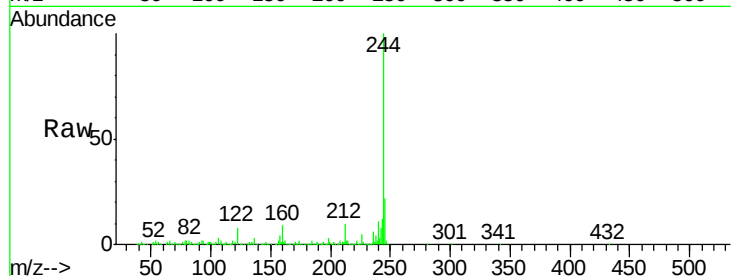
Tgt Ion:184 Resp: 29364

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

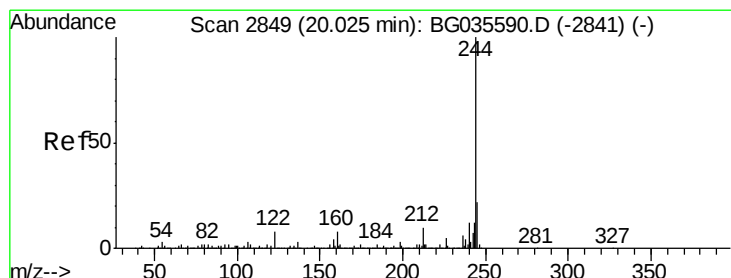
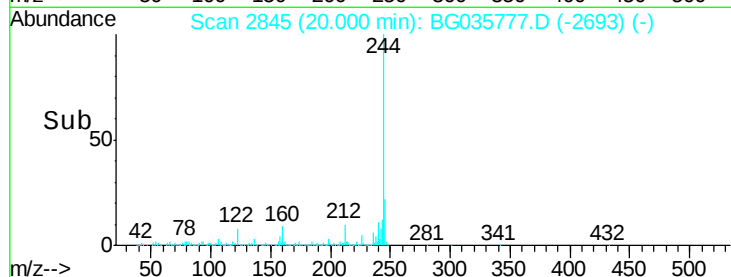
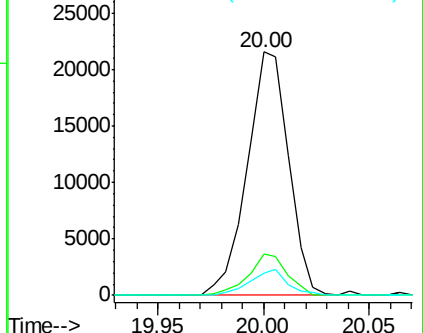
183 9.0 10.6 16.0#



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: 102.101 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

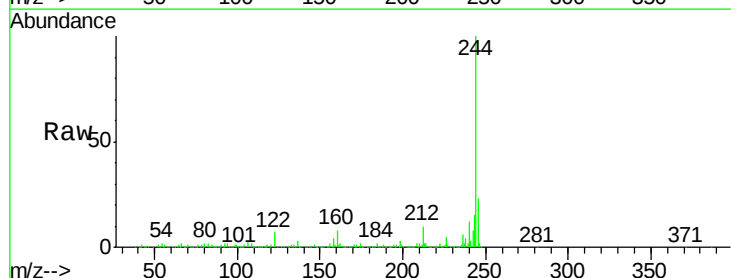
Tgt Ion:244 Resp: 1588447

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

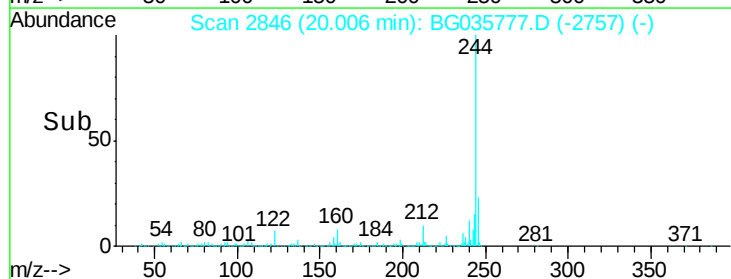
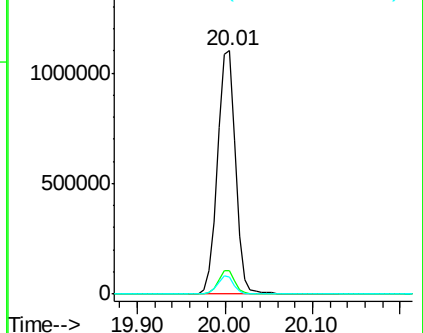
122 7.1 7.0 10.4

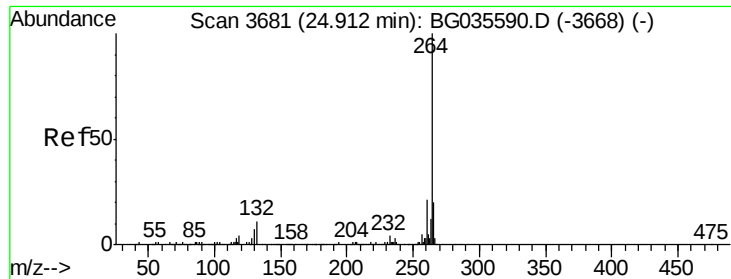


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

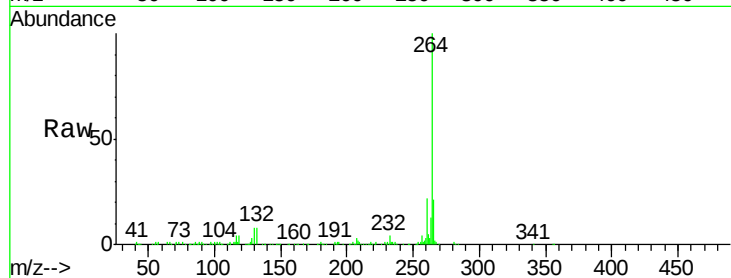




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3672
Delta R.T. -0.02 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.4	26.0
265	20.7	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

