

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035775.D
 Acq On : 20 Jul 2018 8:28
 Operator : JU/SJ
 Sample : J4057-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-2

Quant Time: Jul 20 11:34:45 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

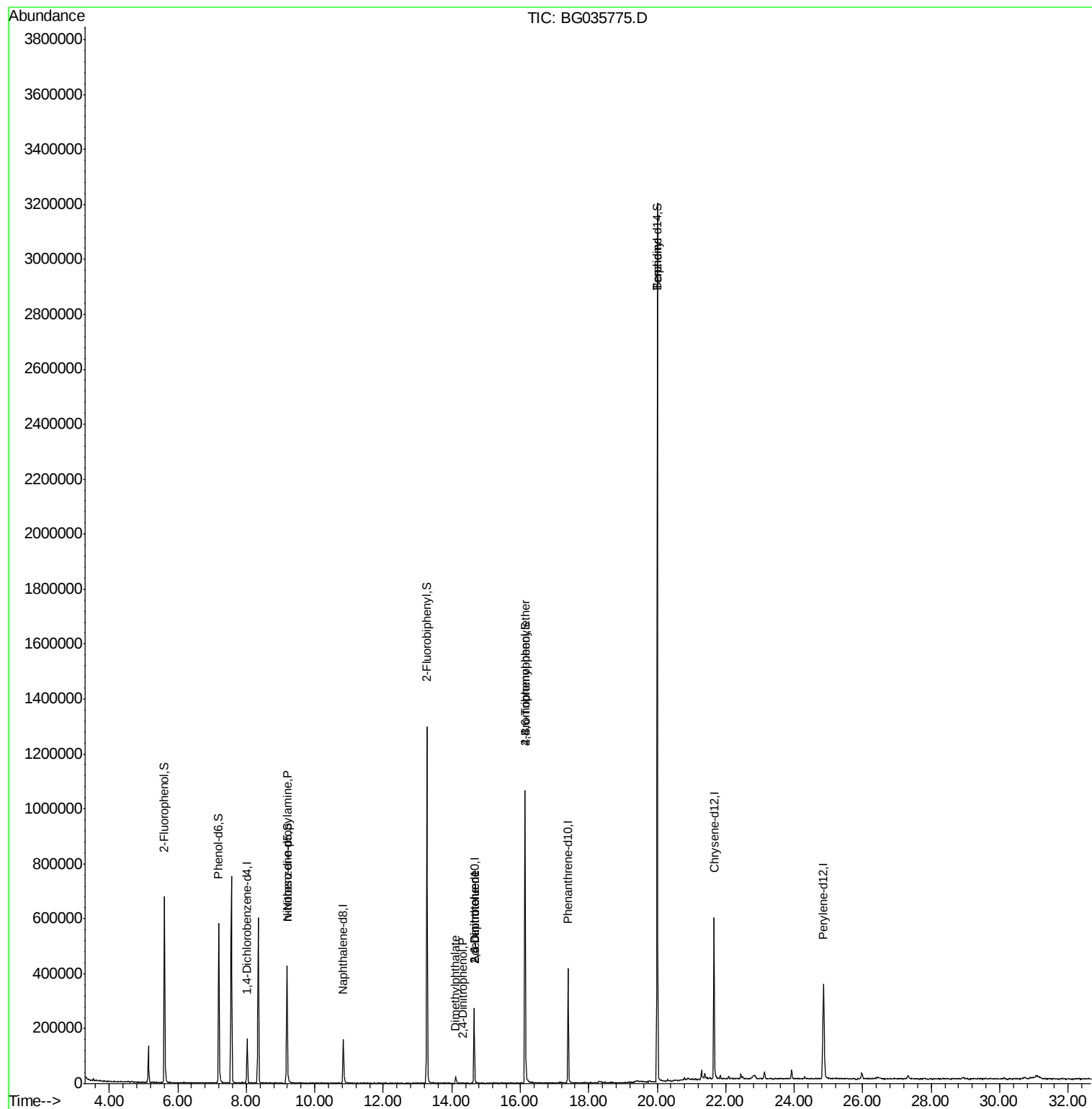
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	44846	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	154284	20.00	ng	-0.01
38) Acenaphthene-d10	14.65	164	104335	20.00	ng	-0.01
63) Phenanthrene-d10	17.40	188	295836	20.00	ng	0.00
75) Chrysene-d12	21.66	240	387734	20.00	ng	-0.02
86) Perylene-d12	24.85	264	373430	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	304745	112.82	ng	-0.01
7) Phenol-d6	7.20	99	384643	95.44	ng	0.00
23) Nitrobenzene-d5	9.19	82	312628	84.65	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	208615	151.70	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	726881	93.34	ng	-0.01
78) Terphenyl-d14	20.00	244	1551935	88.23	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	41517	12.233	ng	# 71
49) Dimethylphthalate	14.11	163	25200	2.757	ng	# 95
50) 2,6-Dinitrotoluene	14.65	165	15221	8.177	ng	# 18
53) 2,4-Dinitrophenol	14.30	184	75	6.654	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	15221	5.700	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	17471	5.090	ng	# 1
76) Benzidine	20.00	184	27499	2.698	ng	# 92

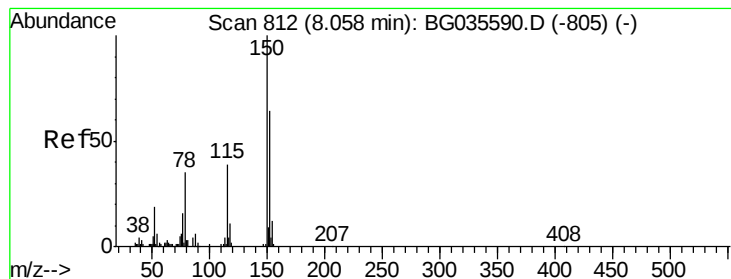
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
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QLast Update : Wed Jul 18 17:45:13 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG035775.D

Acq: 20 Jul 2018 8:28

Instrument :

BNA_G

ClientSampled :

LS-SOIL-2

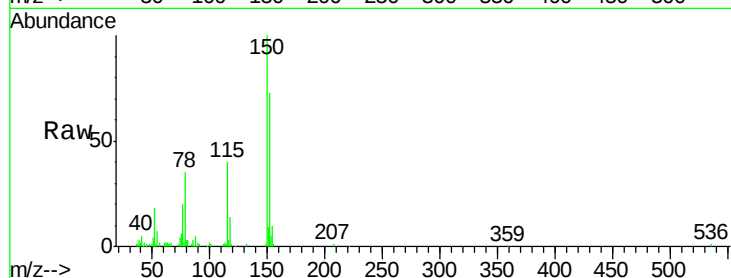
Tgt Ion:152 Resp: 44846

Ion Ratio Lower Upper

152 100

150 137.6 126.6 189.8

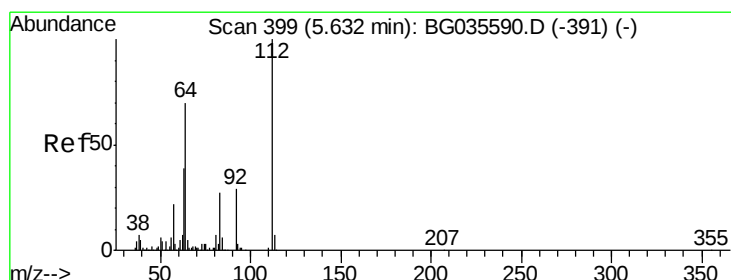
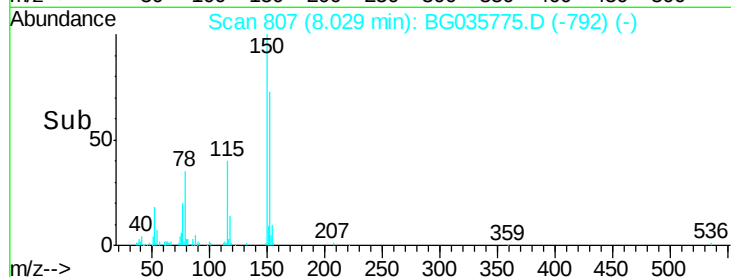
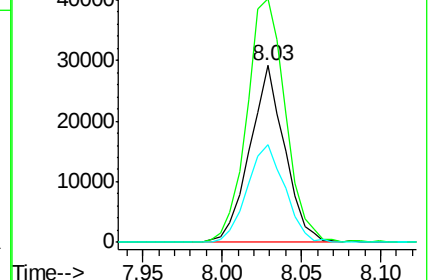
115 55.1 53.0 79.4



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



#5

2-Fluorophenol

Concen: 112.819 ng

RT: 5.61 min Scan# 395

Delta R.T. -0.01 min

Lab File: BG035775.D

Acq: 20 Jul 2018 8:28

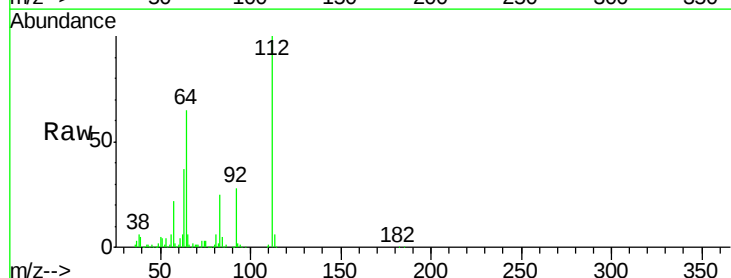
Tgt Ion:112 Resp: 304745

Ion Ratio Lower Upper

112 100

64 65.3 56.3 84.5

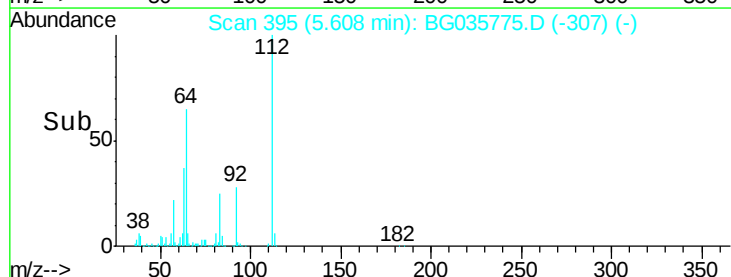
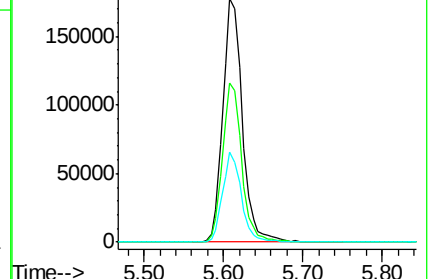
63 37.0 30.1 45.1

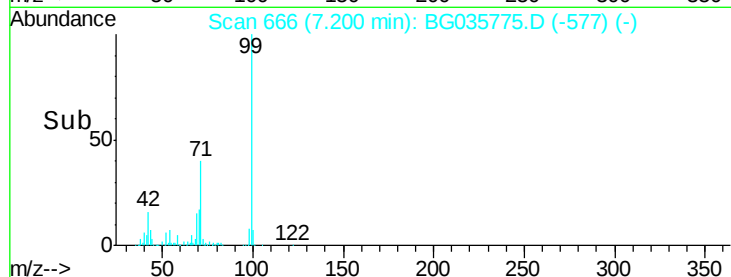
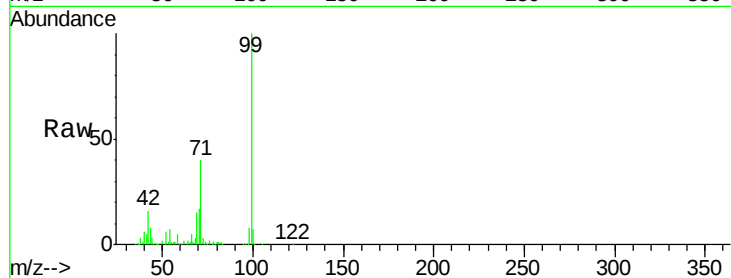
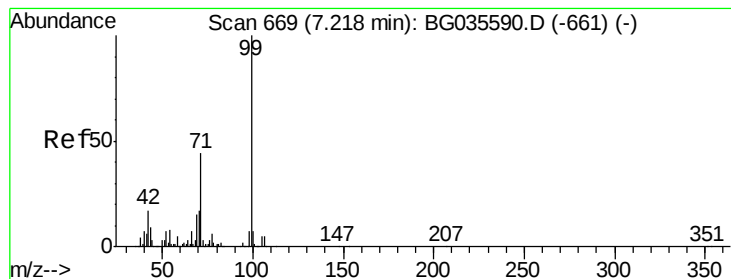


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 95.442 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035775.D

Acq: 20 Jul 2018 8:28

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-2

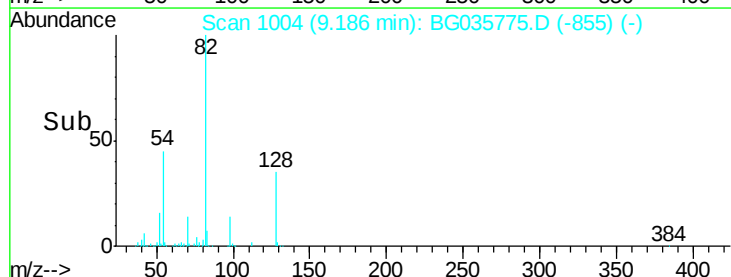
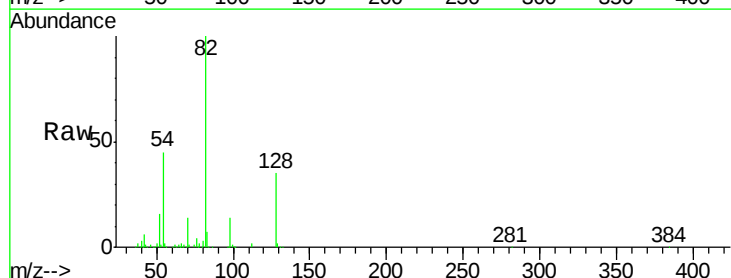
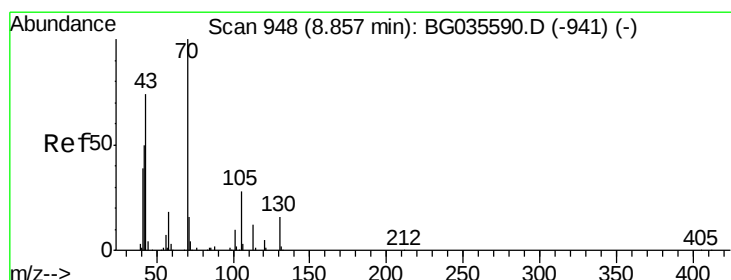
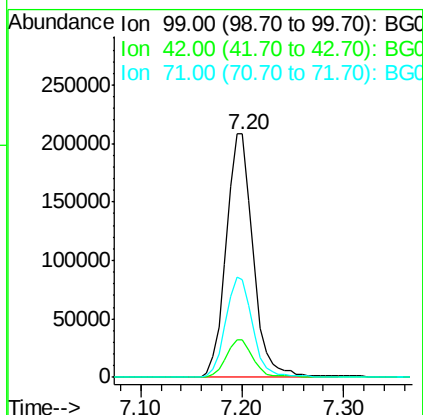
Tgt Ion: 99 Resp: 384643

Ion Ratio Lower Upper

99 100

42 15.7 14.1 21.1

71 40.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 12.233 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.35 min

Lab File: BG035775.D

Acq: 20 Jul 2018 8:28

Tgt Ion: 70 Resp: 41517

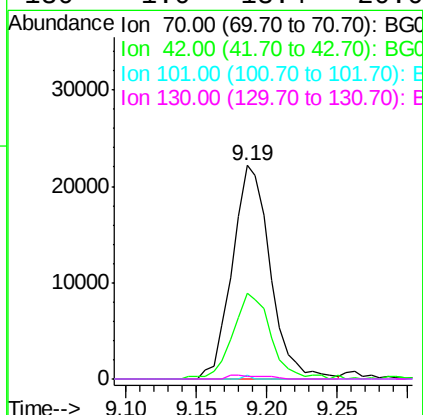
Ion Ratio Lower Upper

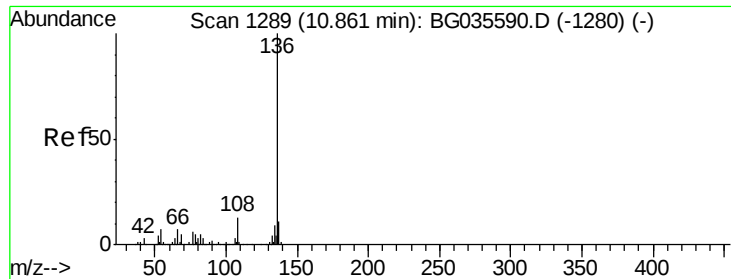
70 100

42 40.3 49.1 73.7#

101 1.9 8.5 12.7#

130 1.0 13.4 20.0#

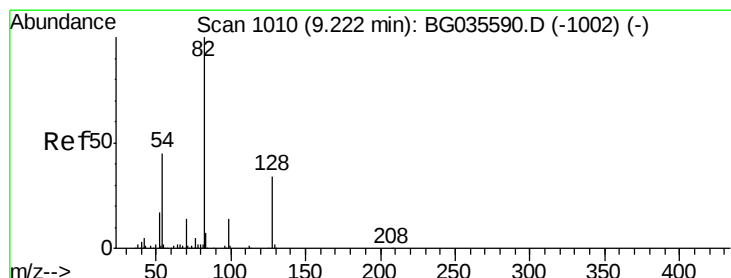
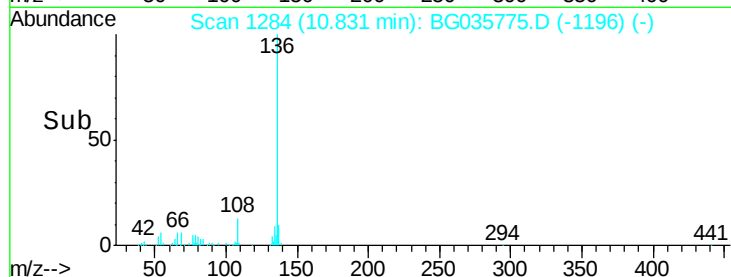
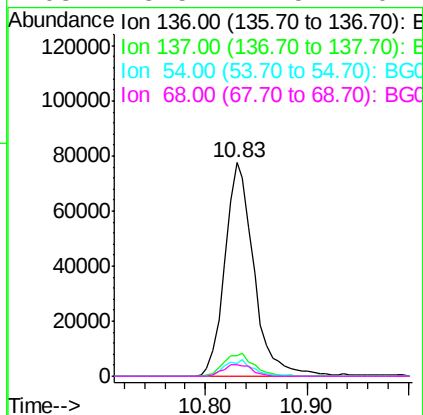
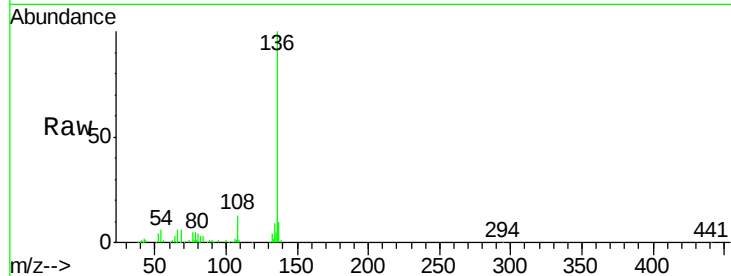




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG035775.D
Acq: 20 Jul 2018 8:28

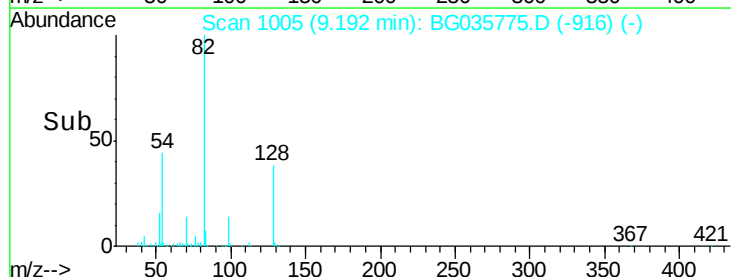
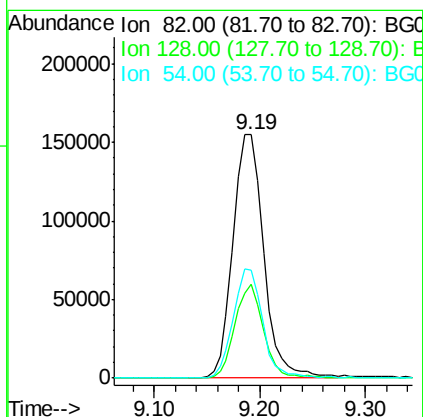
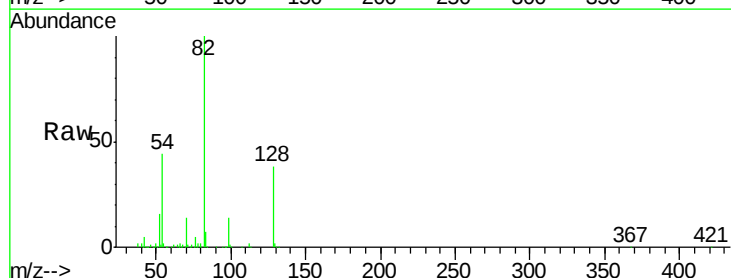
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-2

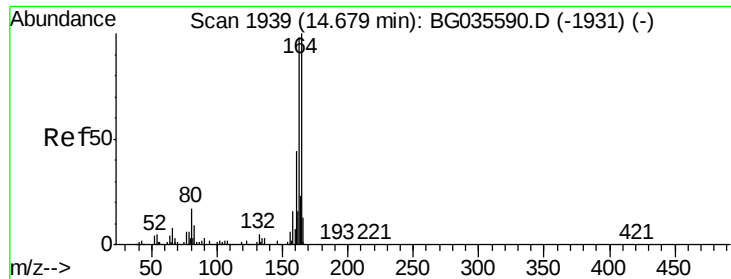
Tgt Ion:	136	Resp:	154284
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.2	13.8
54	6.1	10.3	15.5#
68	5.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 84.649 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BG035775.D
Acq: 20 Jul 2018 8:28

Tgt Ion:	82	Resp:	312628
Ion	Ratio	Lower	Upper
82	100		
128	38.4	29.7	44.5
54	44.5	43.1	64.7

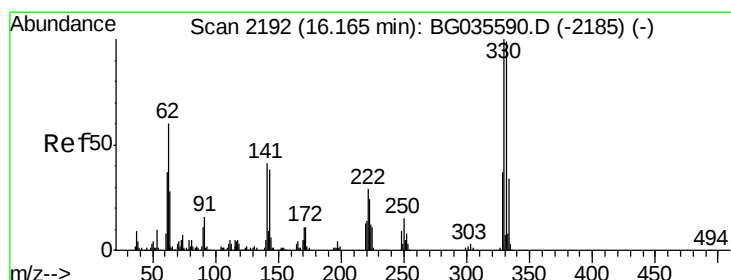
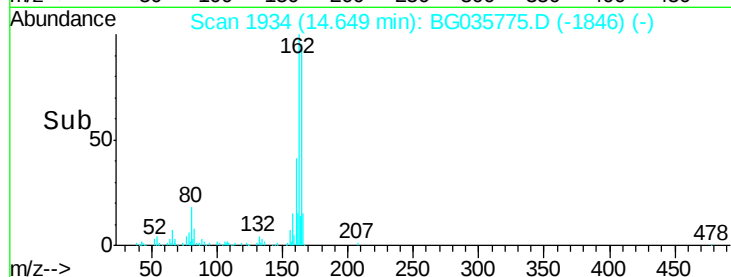
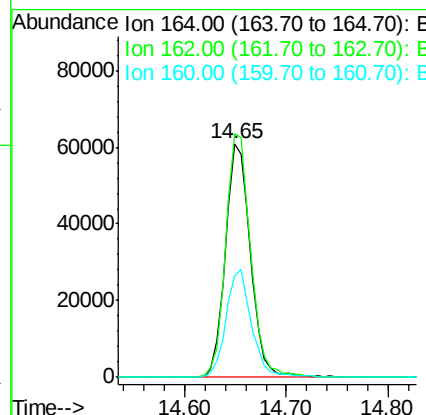
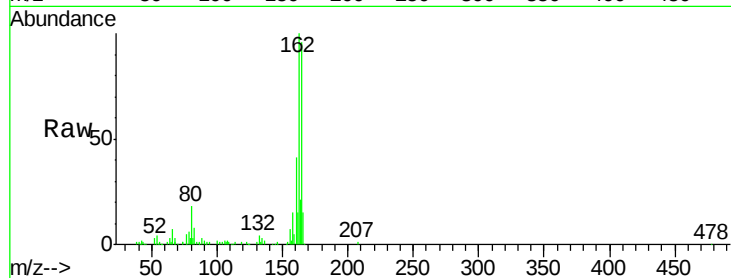




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

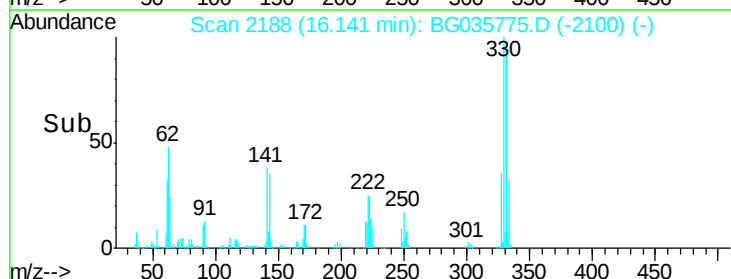
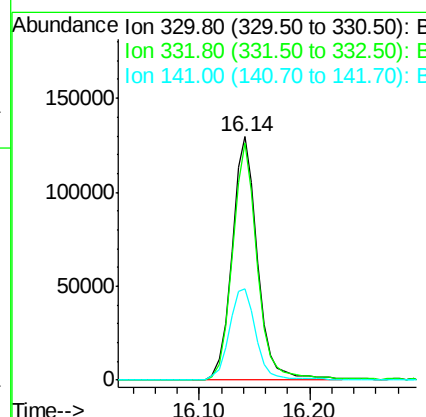
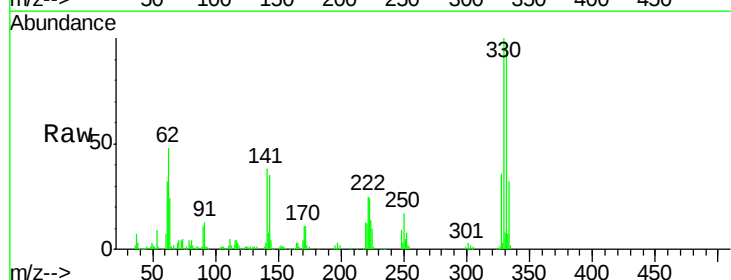
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-2

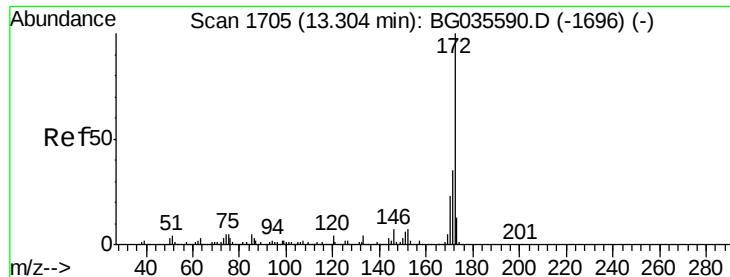
Tgt Ion	Resp	Lower	Upper
164	100		
162	104.2	78.8	118.2
160	43.2	35.4	53.0



#41
 2,4,6-Tribromophenol
 Concen: 151.698 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

Tgt Ion	Resp	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	39.9	25.2	37.8#

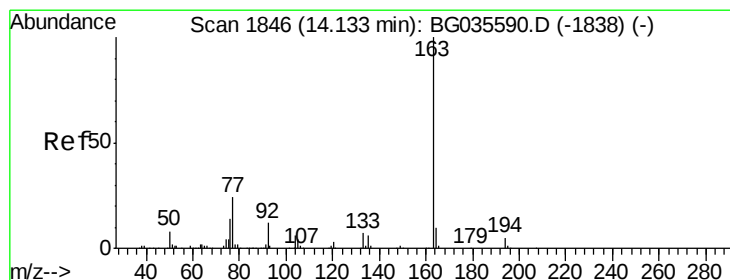
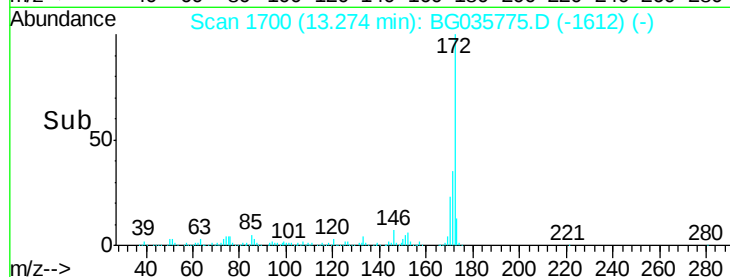
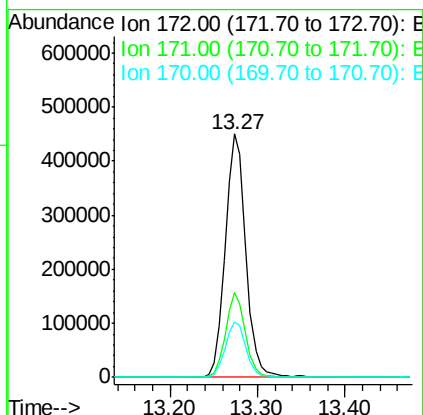
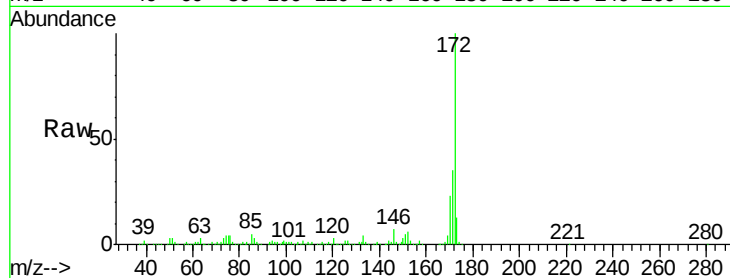




#44
 2-Fluorobiphenyl
 Concen: 93.337 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

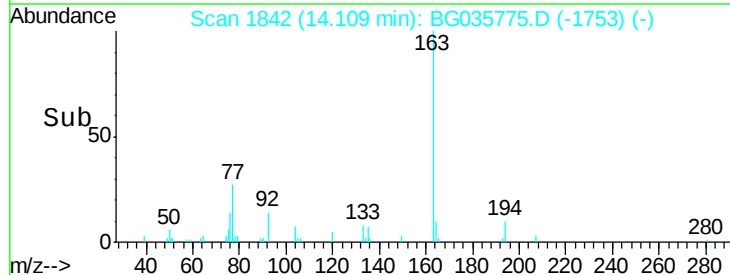
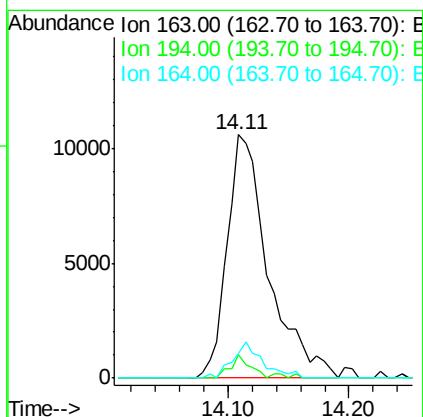
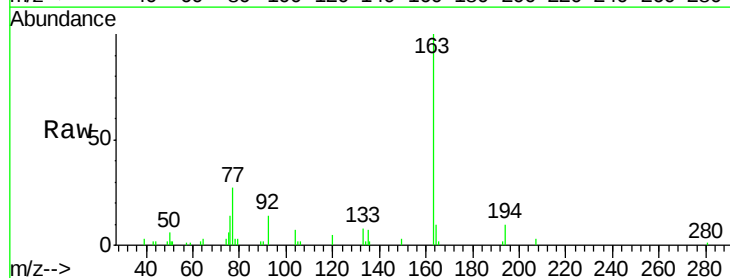
Instrument :
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 ClientSampleId :
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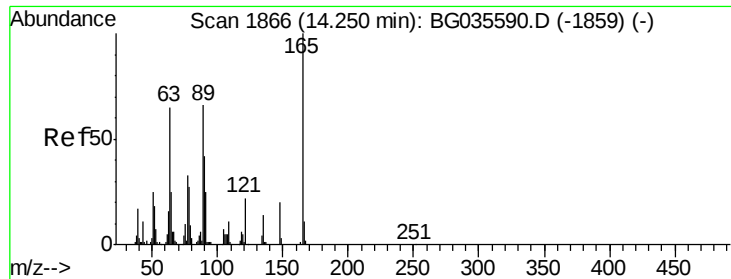
Tgt Ion:	172	Resp:	726881
Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.0	45.0
170	22.8	19.5	29.3



#49
 Dimethylphthalate
 Concen: 2.757 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

Tgt Ion:	163	Resp:	25200
Ion	Ratio	Lower	Upper
163	100		
194	9.5	3.4	5.2#
164	10.4	8.2	12.4

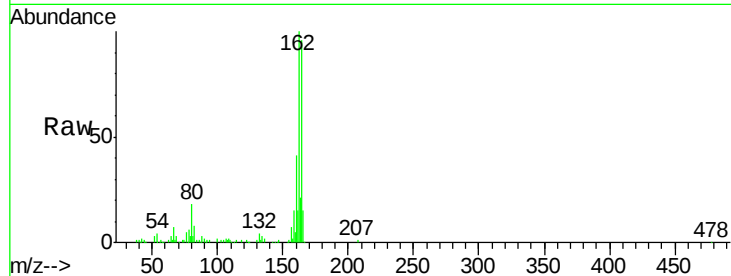




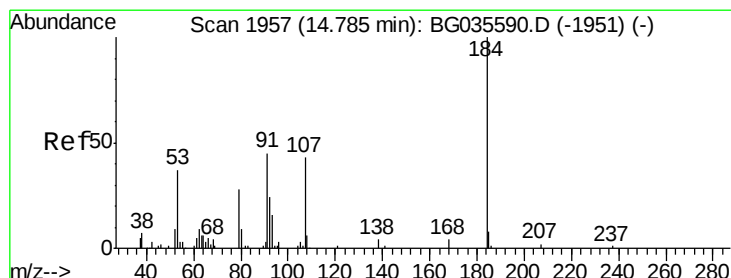
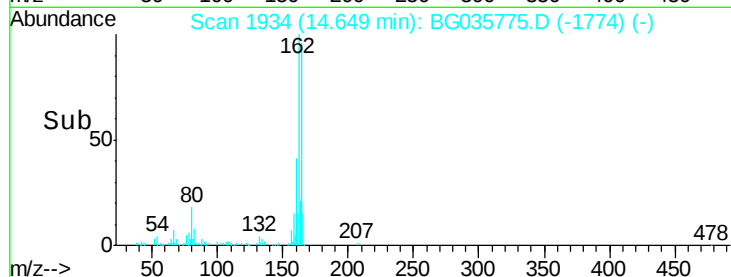
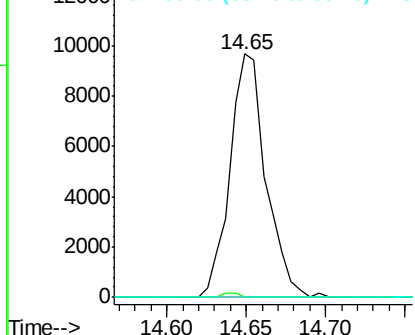
#50
 2,6-Dinitrotoluene
 Concen: 8.177 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.41 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-2

Tgt Ion:165 Resp: 15221
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

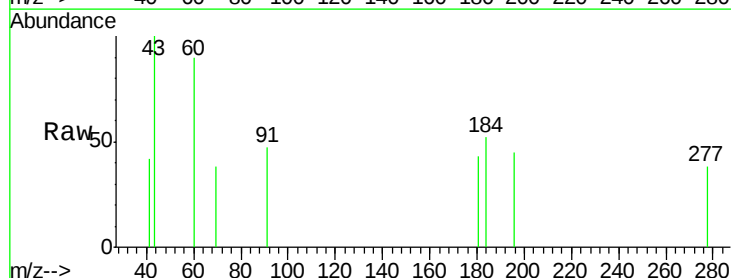


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

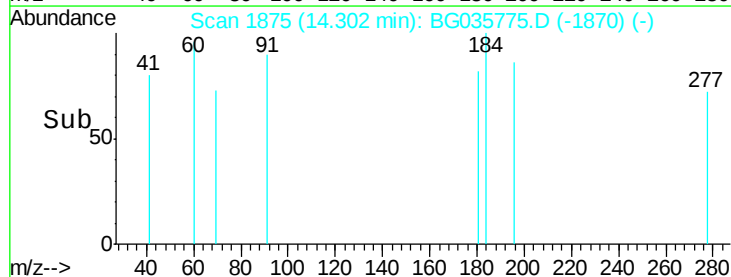
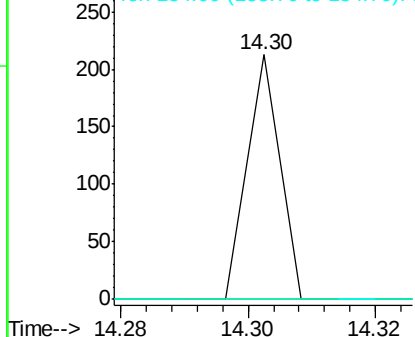


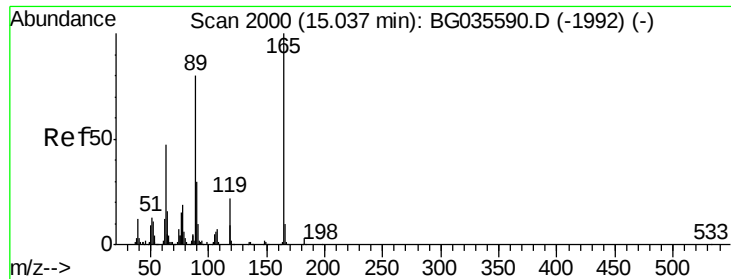
#53
 2,4-Dinitrophenol
 Concen: 6.654 ng
 RT: 14.30 min Scan# 1875
 Delta R.T. -0.50 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

Tgt Ion:184 Resp: 75
 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): BGO
 Ion 154.00 (153.70 to 154.70): E

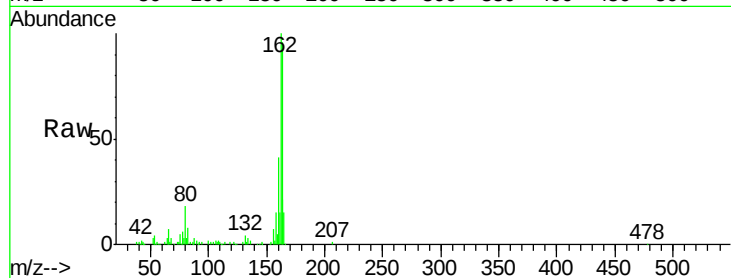




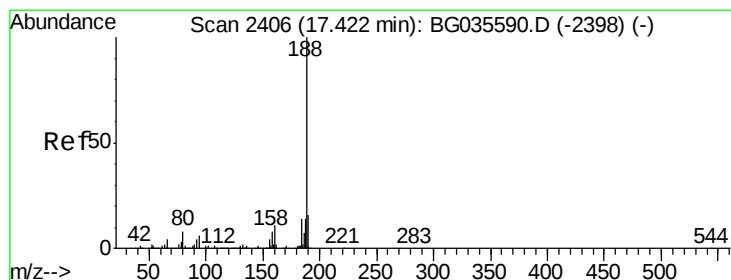
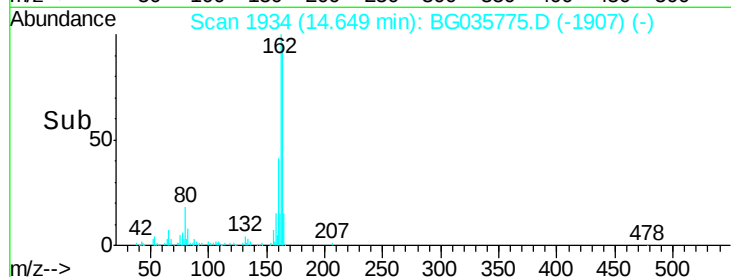
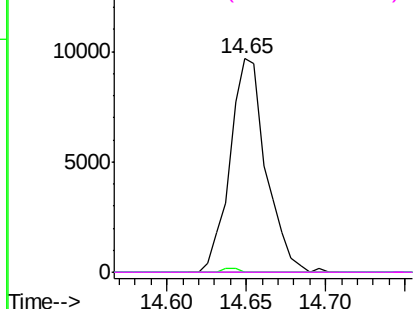
#56
 2,4-Dinitrotoluene
 Concen: 5.700 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.37 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-2

Tgt Ion:165 Resp: 15221
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

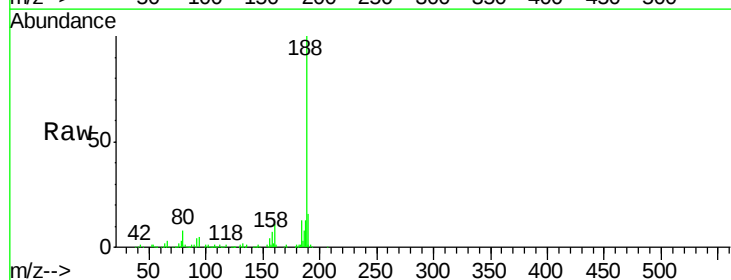


Abundance Ion 165.00 (164.70 to 165.70): E
 15000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

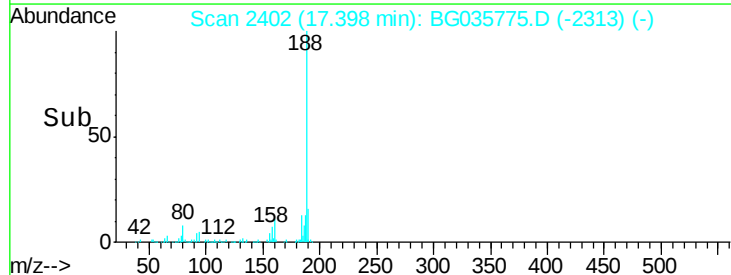
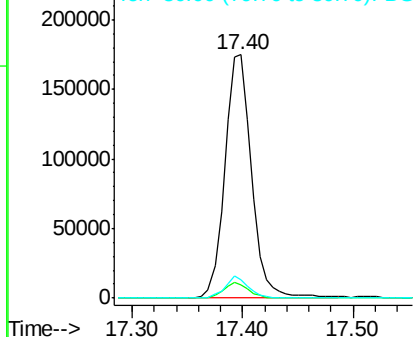


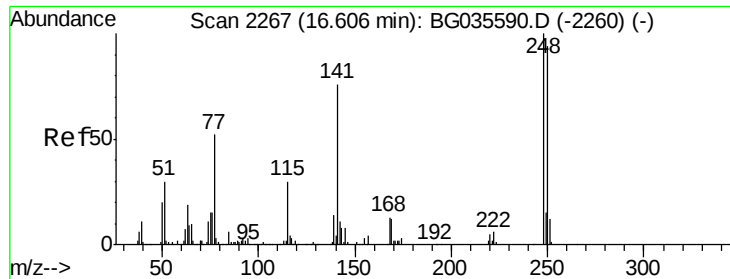
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

Tgt Ion:188 Resp: 295836
 Ion Ratio Lower Upper
 188 100
 94 5.2 6.9 10.3#
 80 7.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 200000
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

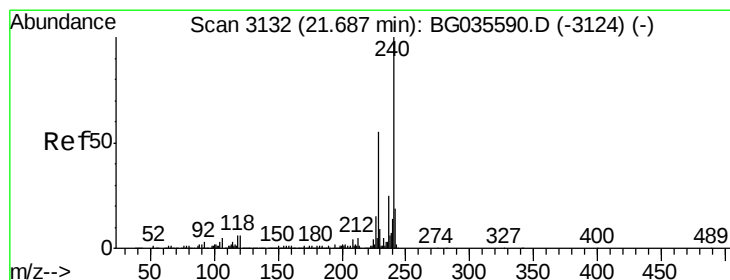
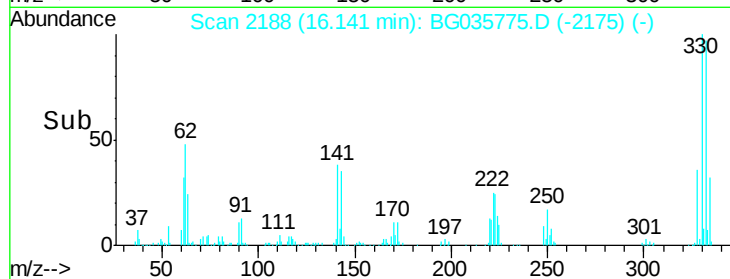
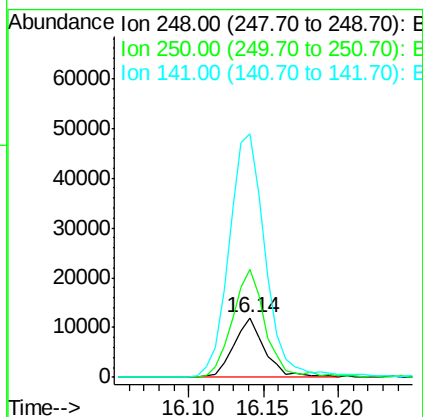
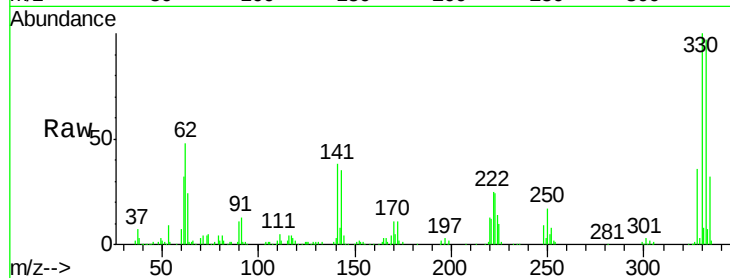




#66
 4-Bromophenyl-phenylether
 Concen: 5.090 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.45 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

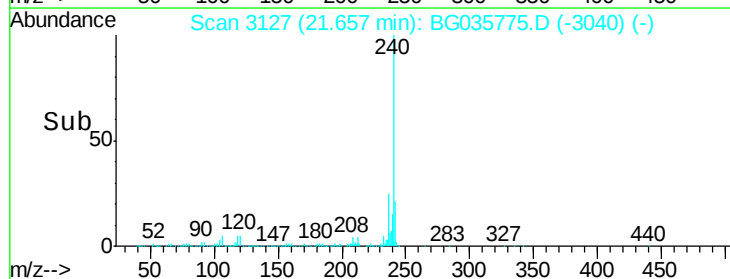
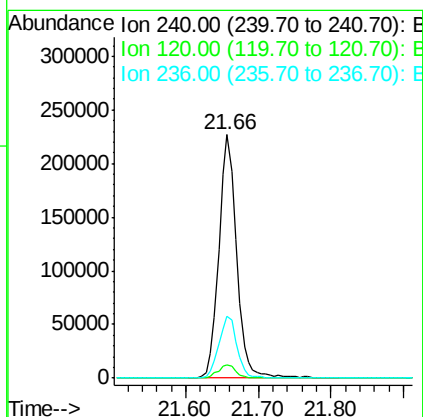
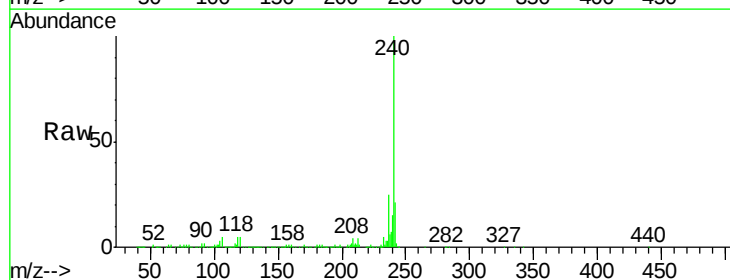
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-2

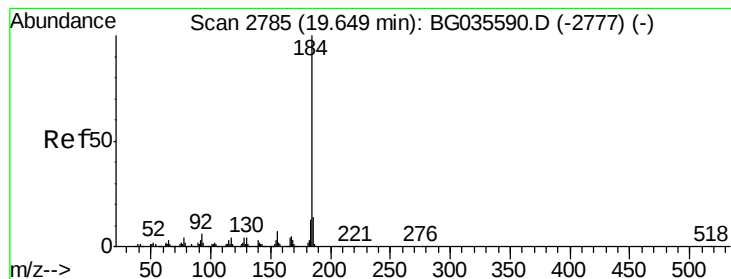
Tgt Ion:248 Resp: 17471
 Ion Ratio Lower Upper
 248 100
 250 180.3 77.1 115.7#
 141 406.8 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.02 min
 Lab File: BG035775.D
 Acq: 20 Jul 2018 8:28

Tgt Ion:240 Resp: 387734
 Ion Ratio Lower Upper
 240 100
 120 5.4 6.8 10.2#
 236 25.3 20.9 31.3





#76

Benzidine

Concen: 2.698 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.36 min

Lab File: BG035775.D

Acq: 20 Jul 2018 8:28

Instrument :

BNA_G

ClientSampled :

LS-SOIL-2

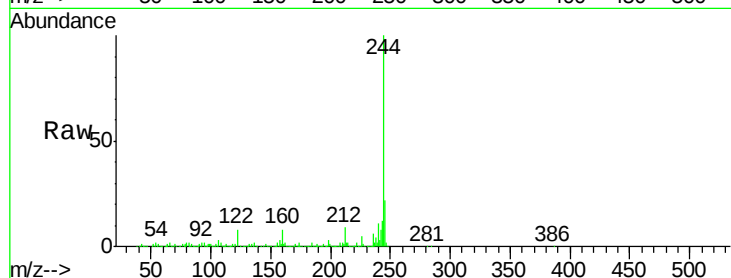
Tgt Ion:184 Resp: 27499

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

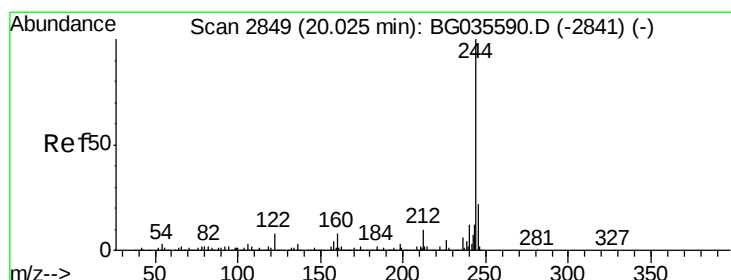
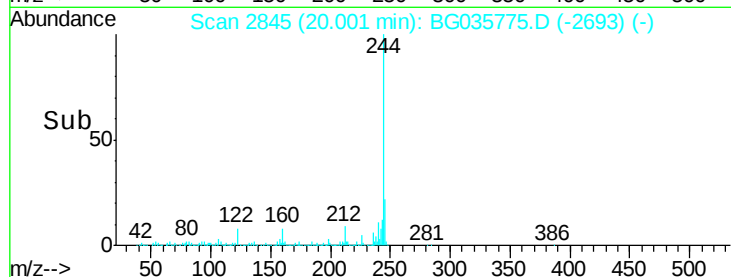
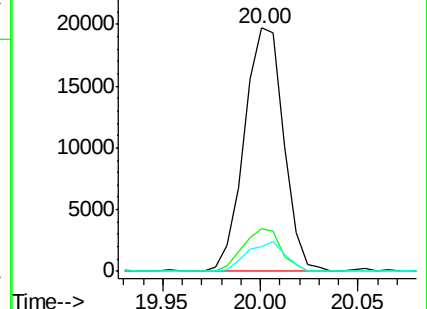
183 10.1 10.6 16.0#



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: 88.229 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG035775.D

Acq: 20 Jul 2018 8:28

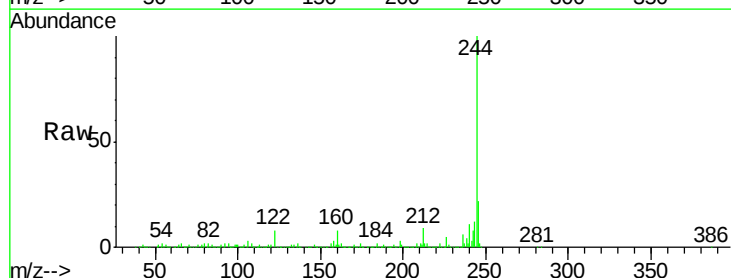
Tgt Ion:244 Resp: 1551935

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

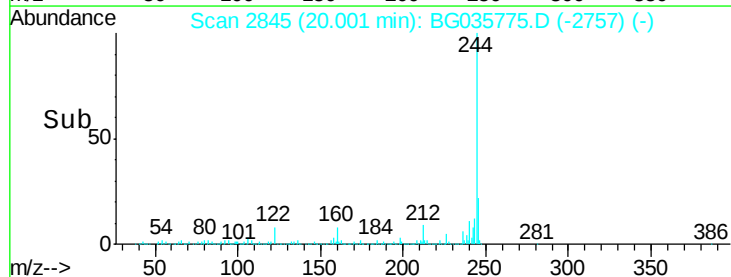
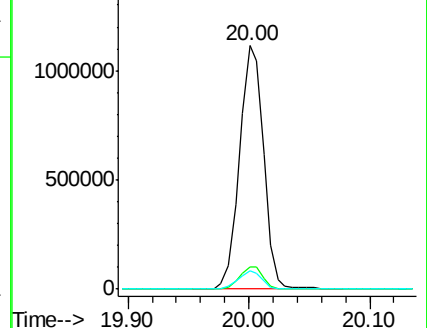
122 7.6 7.0 10.4

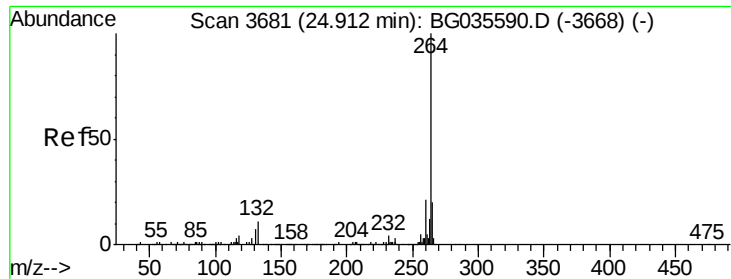


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3671
Delta R.T. -0.03 min
Lab File: BG035775.D
Acq: 20 Jul 2018 8:28

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.4	26.0
265	22.6	17.7	26.5

