

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071618\
 Data File : BG035666.D
 Acq On : 16 Jul 2018 12:43
 Operator : JU/SJ
 Sample : J3542-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-2

Quant Time: Jul 16 13:28:08 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

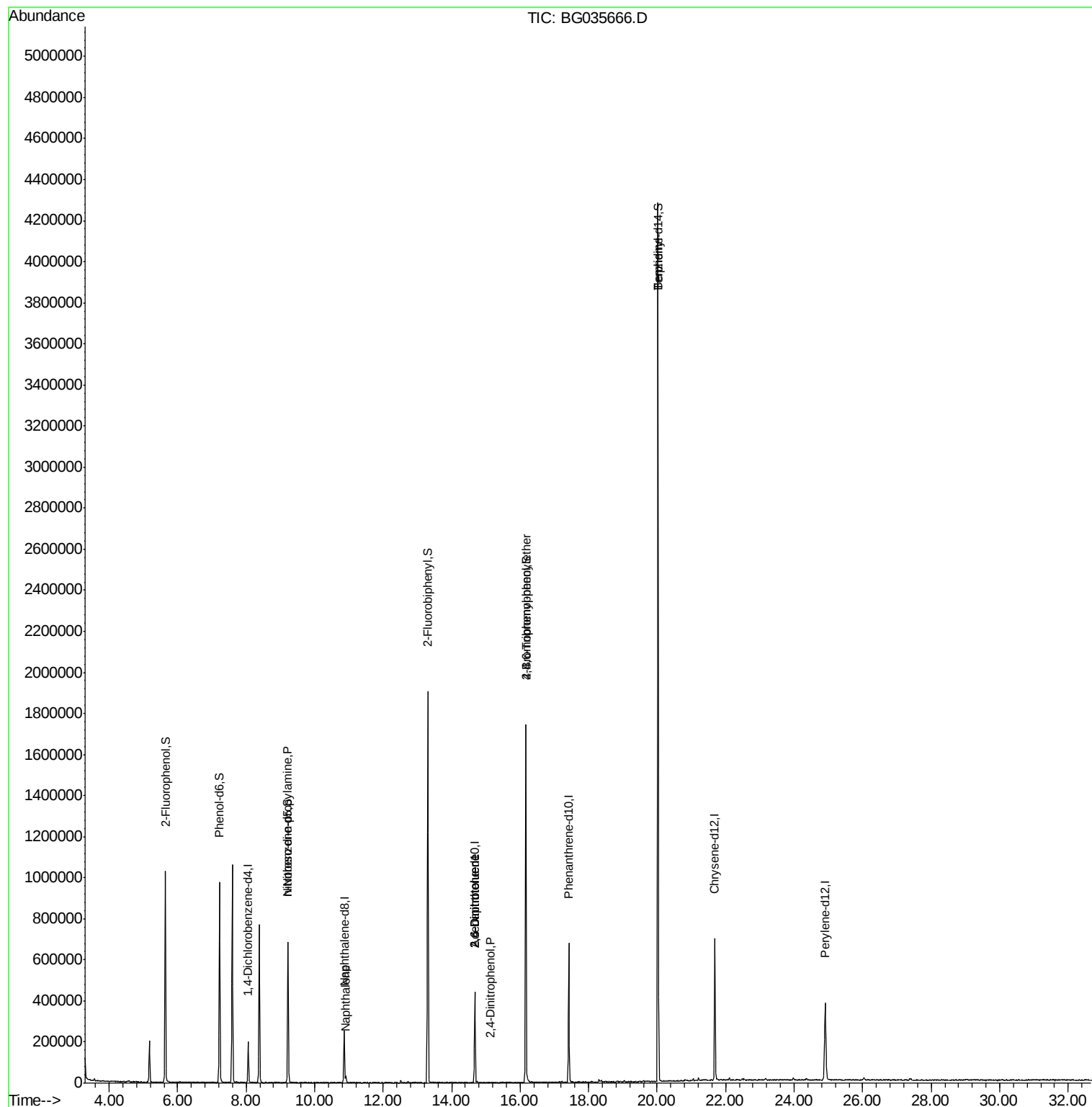
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	55757	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	209084	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	151966	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	428794	20.00	ng	0.00
75) Chrysene-d12	21.68	240	456402	20.00	ng	0.00
86) Perylene-d12	24.91	264	420514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	436988	130.12	ng	0.00
7) Phenol-d6	7.22	99	585861	116.92	ng	0.00
23) Nitrobenzene-d5	9.22	82	463615	92.63	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	325472	162.49	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1012030	89.22	ng	0.00
78) Terphenyl-d14	20.03	244	1948566	94.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	64206	15.217	ng	# 70
31) Naphthalene	10.91	128	25032	2.298	ng	# 93
50) 2,6-Dinitrotoluene	14.67	165	21522	7.938	ng	# 20
53) 2,4-Dinitrophenol	15.12	184	82	6.636	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	21522	5.533	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	26681	5.363	ng	# 1
76) Benzidine	20.03	184	35669	2.973	ng	# 92

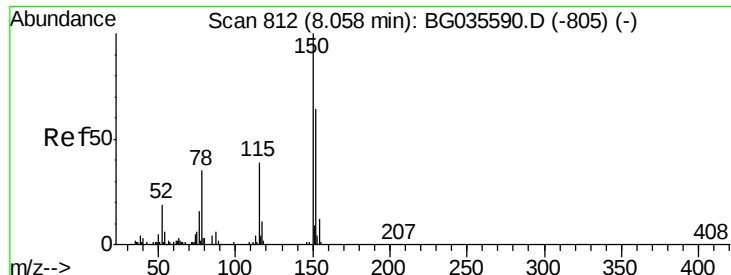
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 16 13:28:08 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



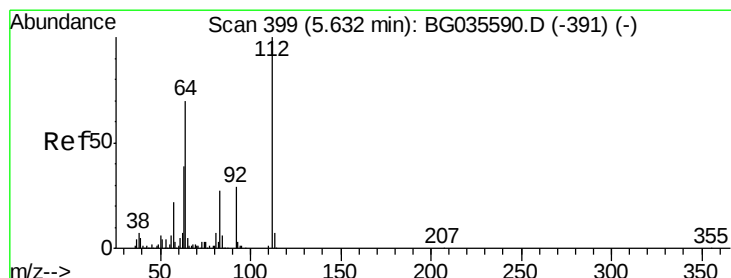
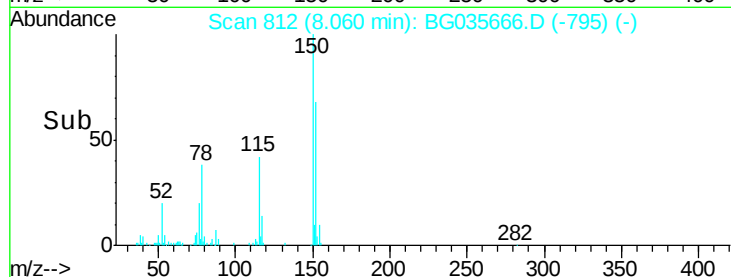
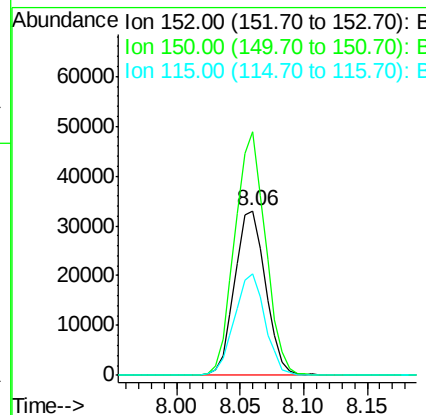
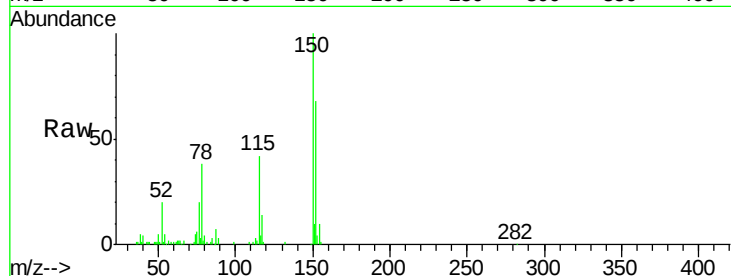


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. 0.00 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-2

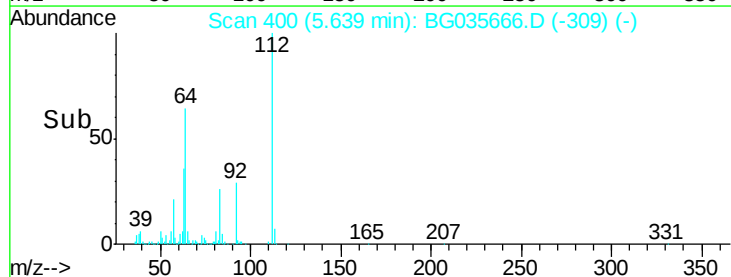
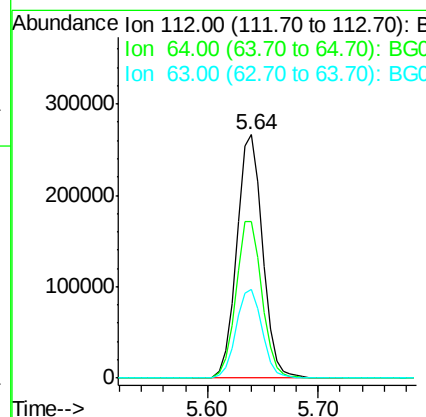
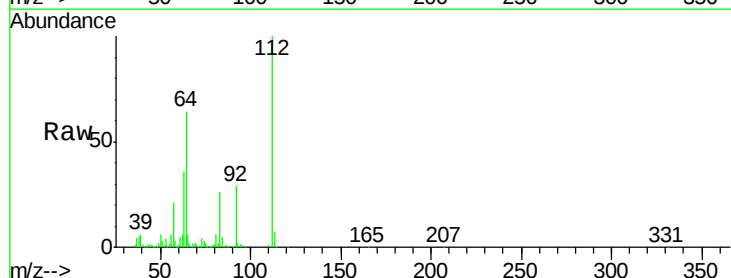
Tgt Ion:152 Resp: 55757
Ion Ratio Lower Upper
152 100
150 148.1 126.6 189.8
115 62.0 53.0 79.4

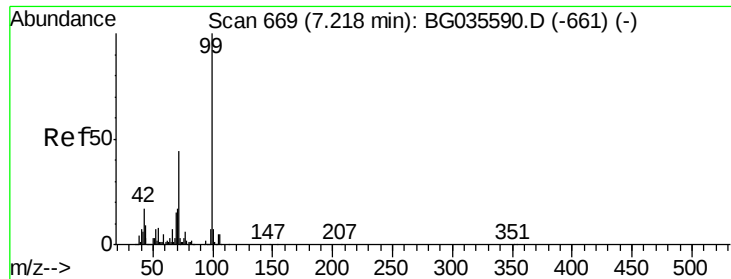


#5

2-Fluorophenol
Concen: 130.119 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

Tgt Ion:112 Resp: 436988
Ion Ratio Lower Upper
112 100
64 64.1 56.3 84.5
63 36.5 30.1 45.1





#7

Phenol-d6

Concen: 116.923 ng

RT: 7.22 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG035666.D

Acq: 16 Jul 2018 12:43

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-2

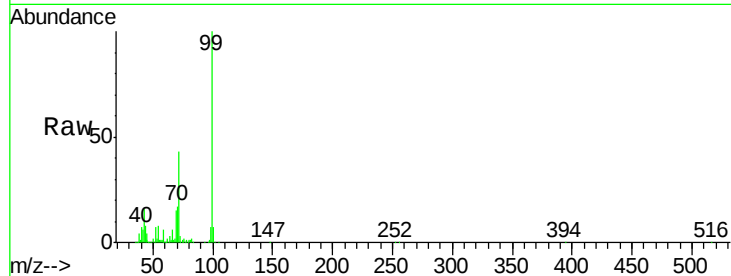
Tgt Ion: 99 Resp: 585861

Ion Ratio Lower Upper

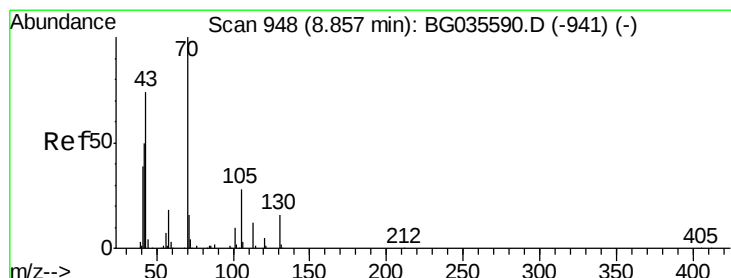
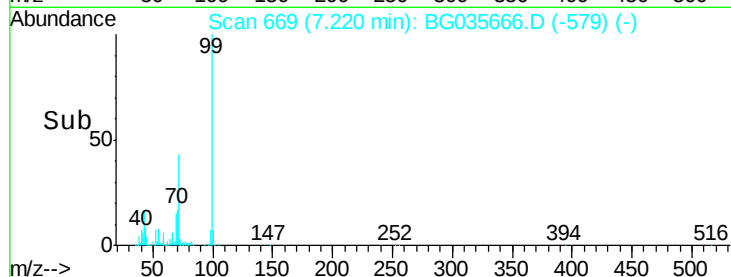
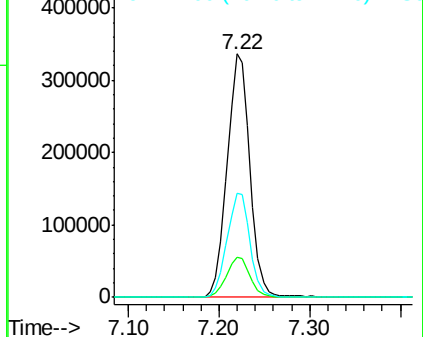
99 100

42 16.3 14.1 21.1

71 43.0 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: 15.217 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035666.D

Acq: 16 Jul 2018 12:43

Tgt Ion: 70 Resp: 64206

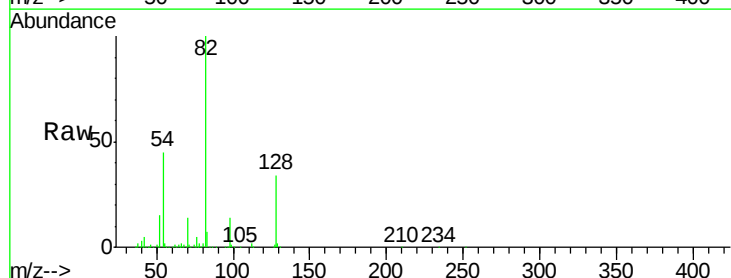
Ion Ratio Lower Upper

70 100

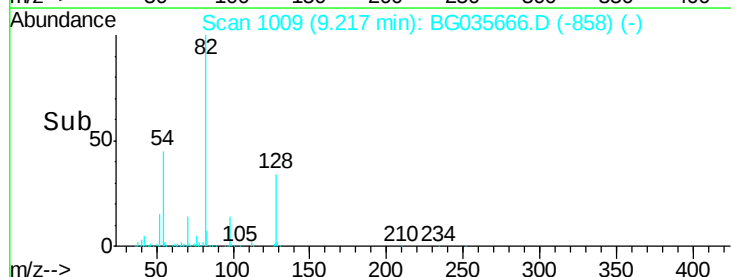
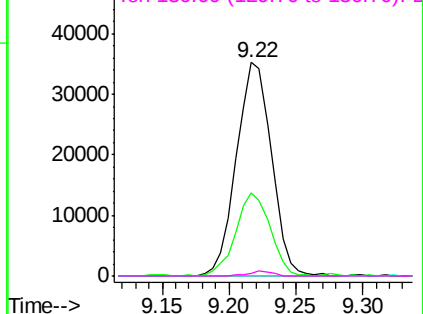
42 39.3 49.1 73.7#

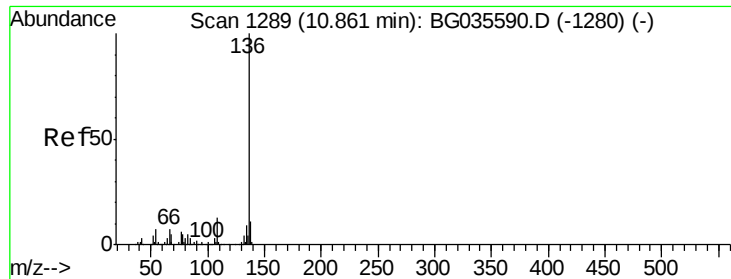
101 0.0 8.5 12.7#

130 1.3 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

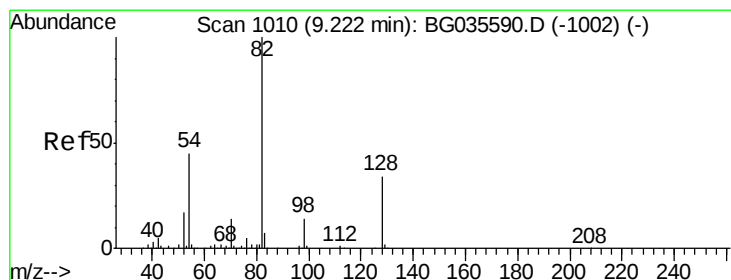
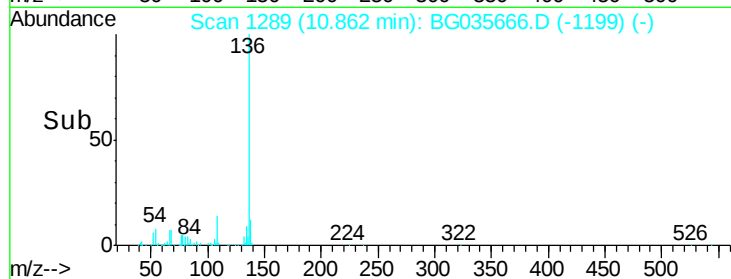
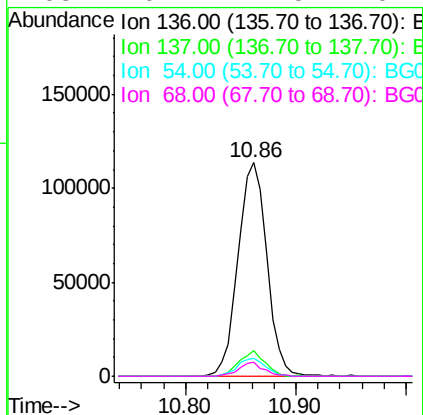
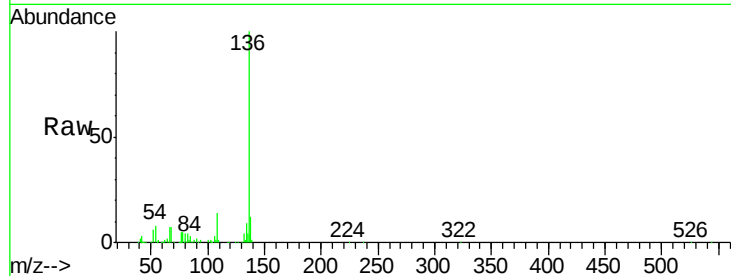




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

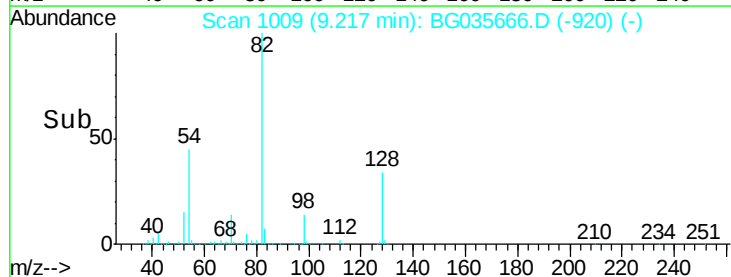
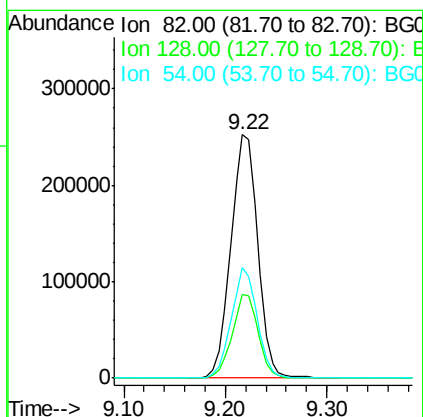
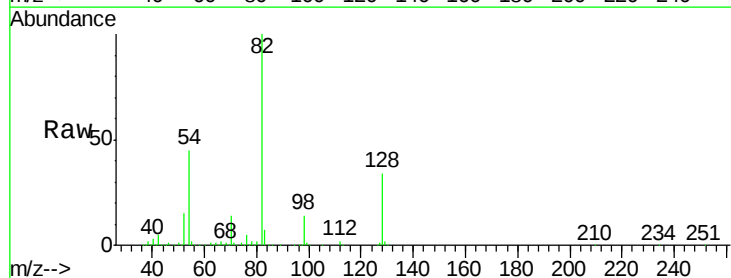
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-2

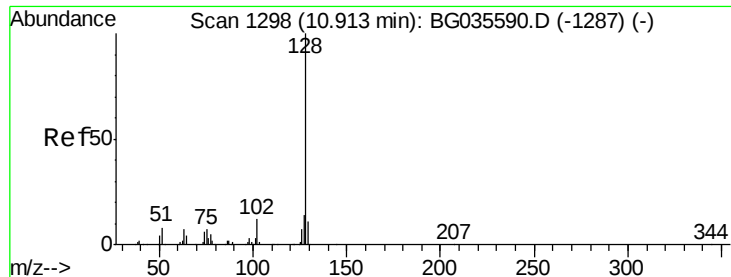
Tgt Ion:	136	Resp:	209084
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	8.1	10.3	15.5#
68	6.7	4.5	6.7



#23
Nitrobenzene-d5
Concen: 92.630 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

Tgt Ion:	82	Resp:	463615
Ion	Ratio	Lower	Upper
82	100		
128	34.3	29.7	44.5
54	45.3	43.1	64.7

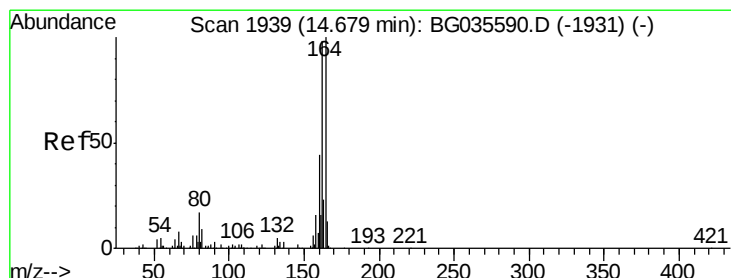
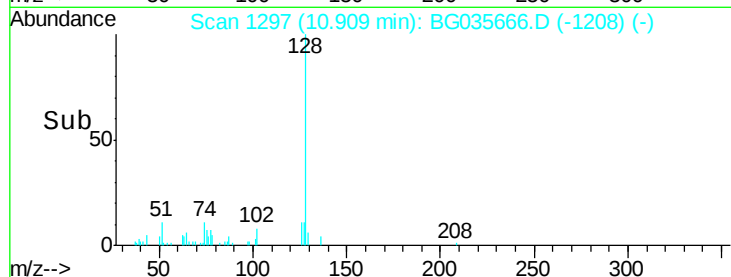
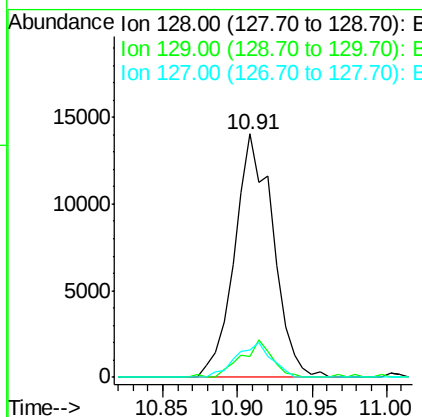
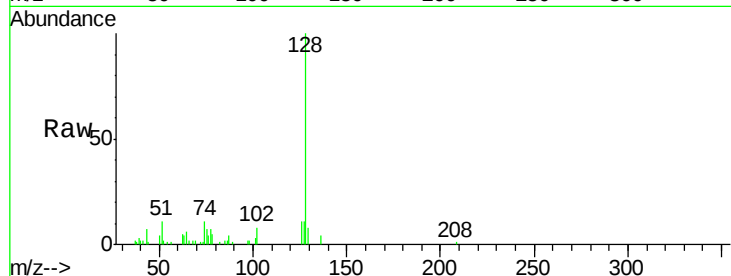




#31
Naphthalene
Concen: 2.298 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

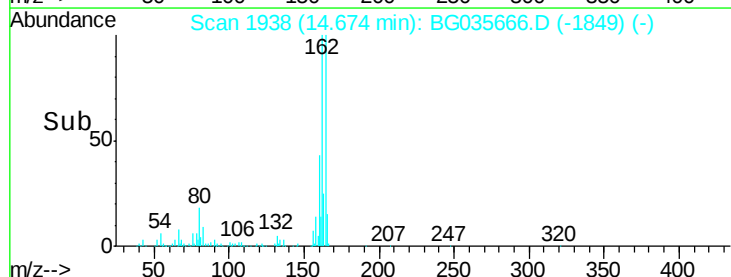
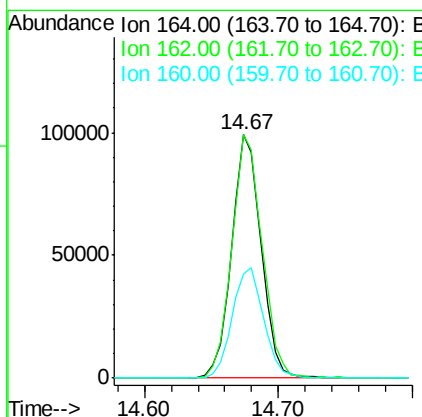
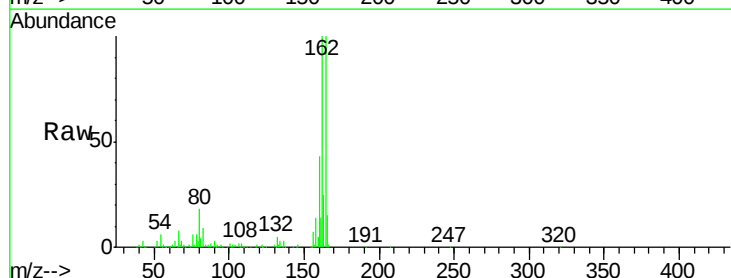
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-2

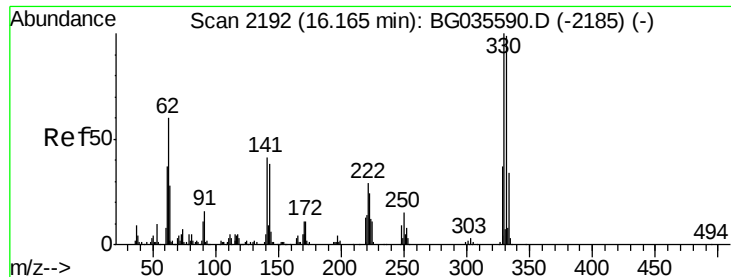
Tgt Ion:128 Resp: 25032
Ion Ratio Lower Upper
128 100
129 8.4 8.6 12.8#
127 11.3 11.6 17.4#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

Tgt Ion:164 Resp: 151966
Ion Ratio Lower Upper
164 100
162 99.9 78.8 118.2
160 42.8 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 162.491 ng

RT: 16.17 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BG035666.D

Acq: 16 Jul 2018 12:43

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-2

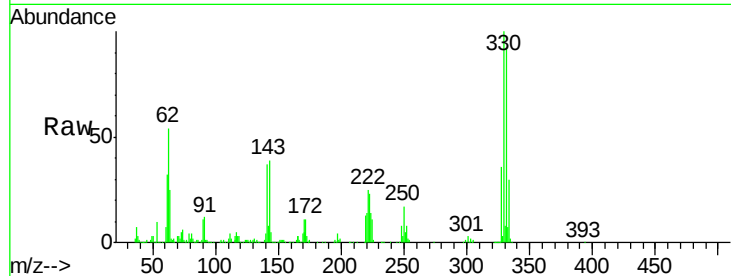
Tgt Ion:330 Resp: 325472

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

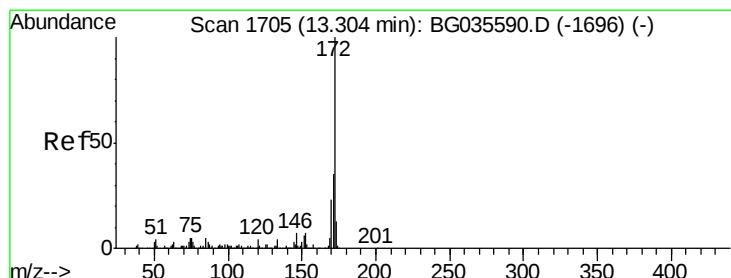
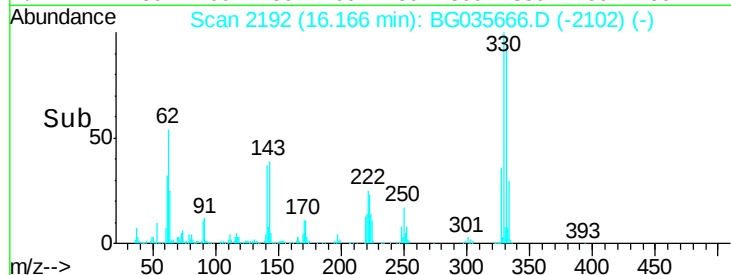
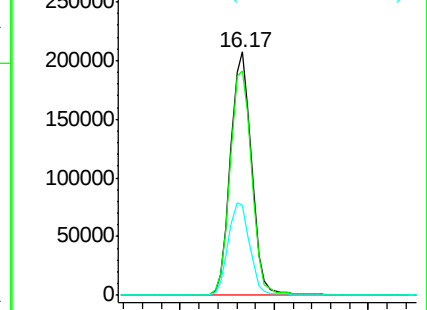
141 39.0 25.2 37.8#



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: 89.221 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.00 min

Lab File: BG035666.D

Acq: 16 Jul 2018 12:43

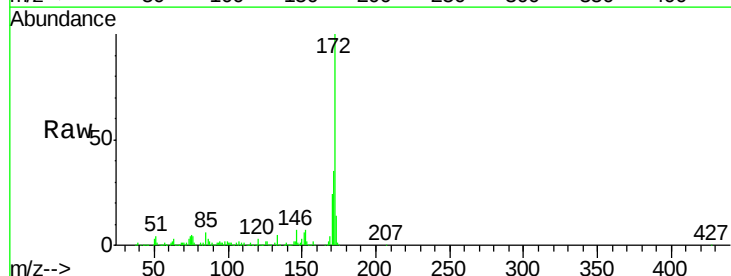
Tgt Ion:172 Resp: 1012030

Ion Ratio Lower Upper

172 100

171 35.2 30.0 45.0

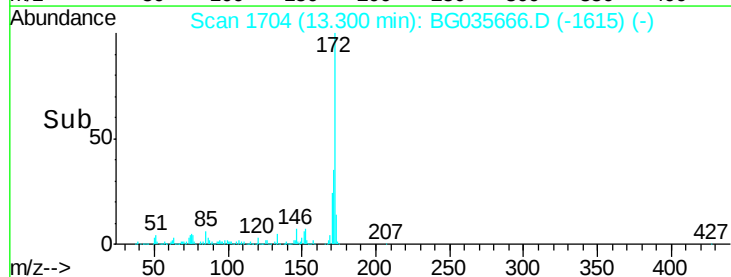
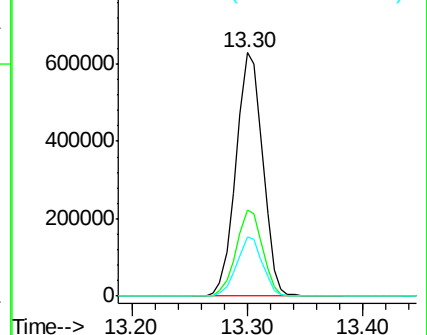
170 24.5 19.5 29.3

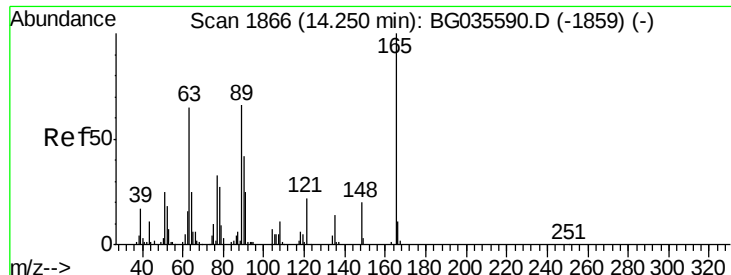


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

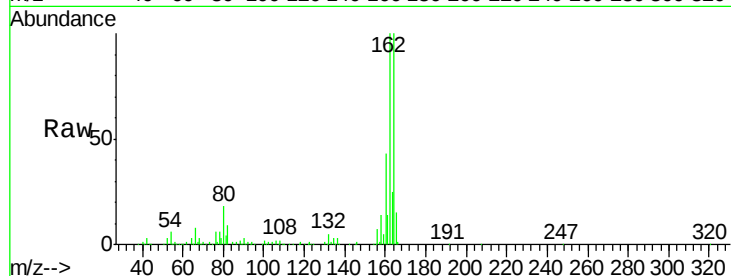




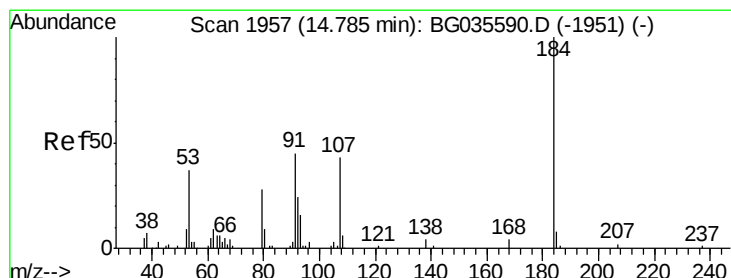
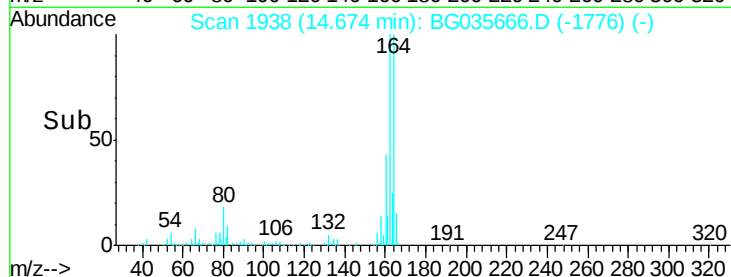
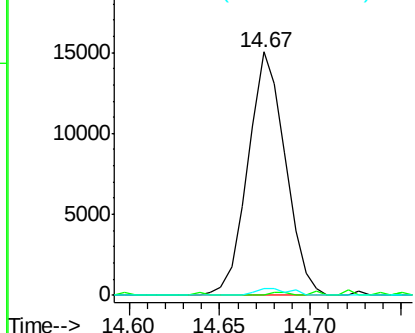
#50
2,6-Dinitrotoluene
Concen: 7.938 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-2

Tgt Ion:165 Resp: 21522
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.6 49.2 73.8#

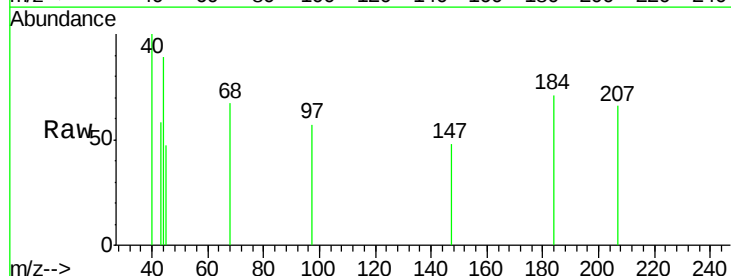


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

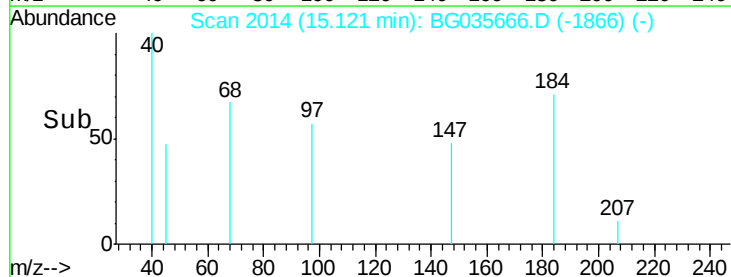
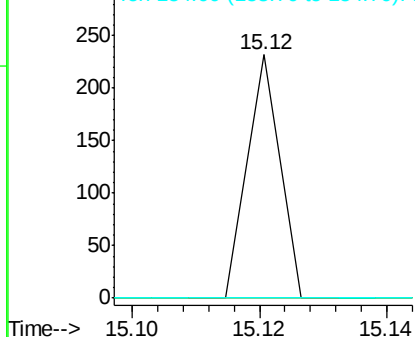


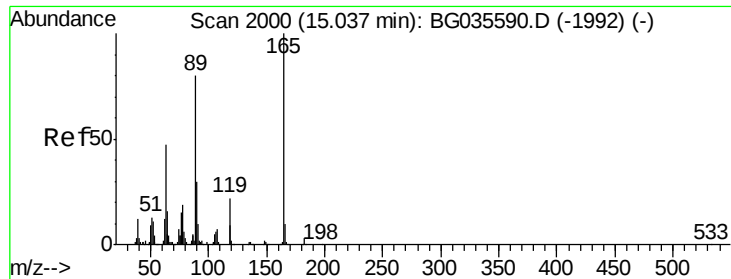
#53
2,4-Dinitrophenol
Concen: 6.636 ng
RT: 15.12 min Scan# 2014
Delta R.T. 0.34 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

Tgt Ion:184 Resp: 82
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

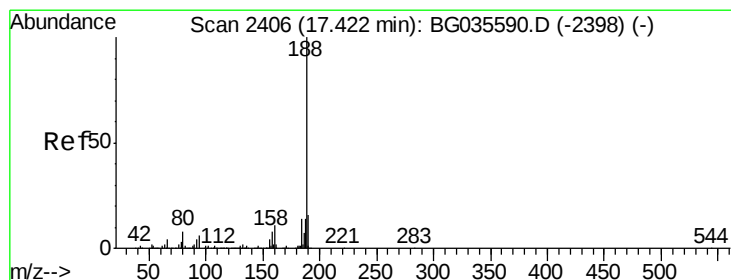
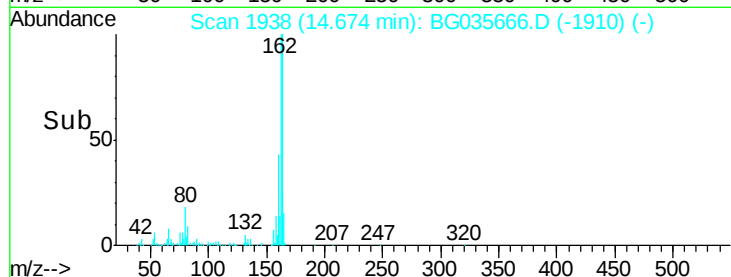
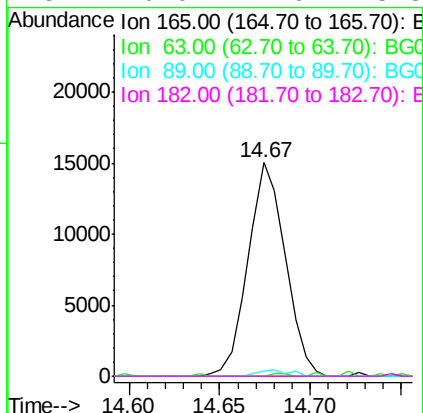
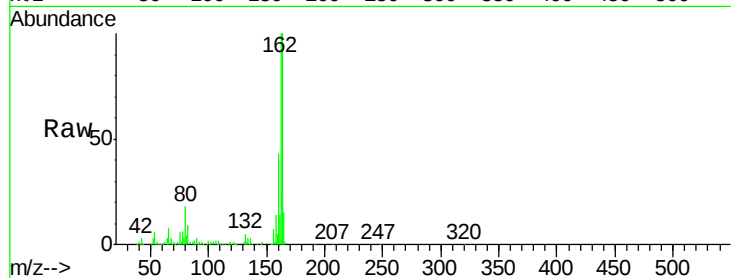




#56
 2,4-Dinitrotoluene
 Concen: 5.533 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG035666.D
 Acq: 16 Jul 2018 12:43

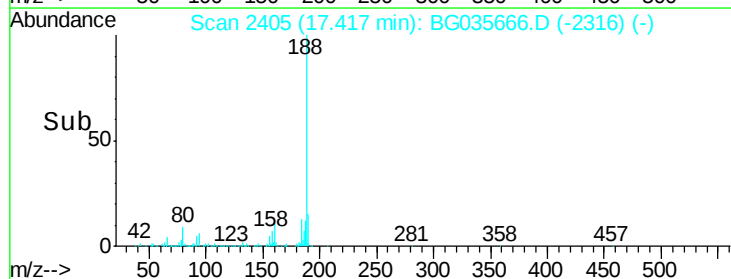
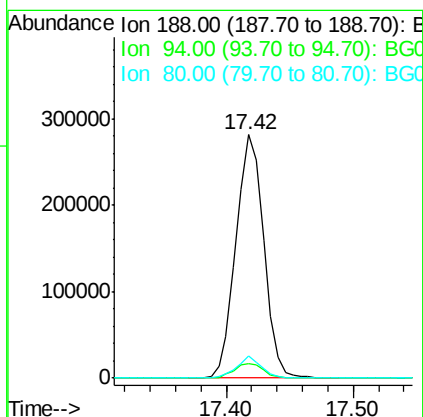
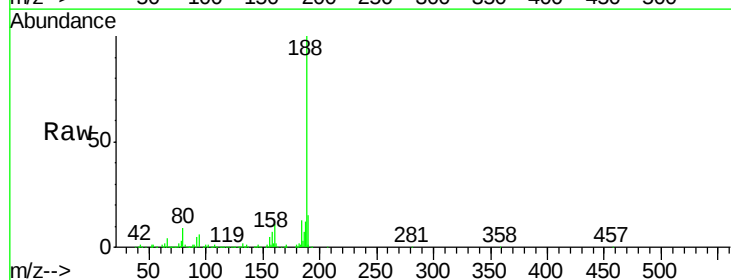
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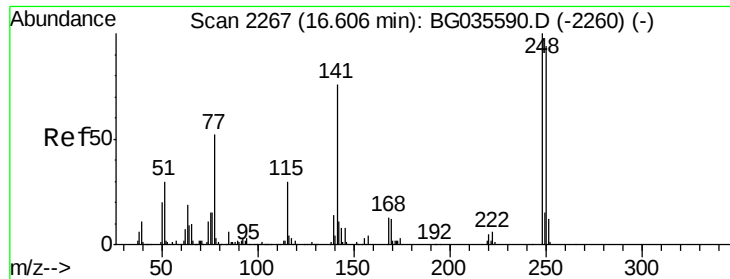
Tgt Ion:165 Resp: 21522
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.6 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BG035666.D
 Acq: 16 Jul 2018 12:43

Tgt Ion:188 Resp: 428794
 Ion Ratio Lower Upper
 188 100
 94 5.9 6.9 10.3#
 80 8.9 7.7 11.5

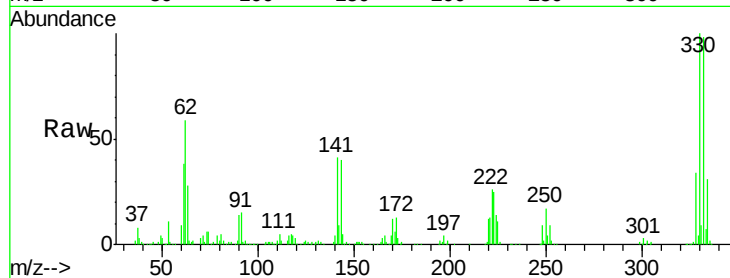




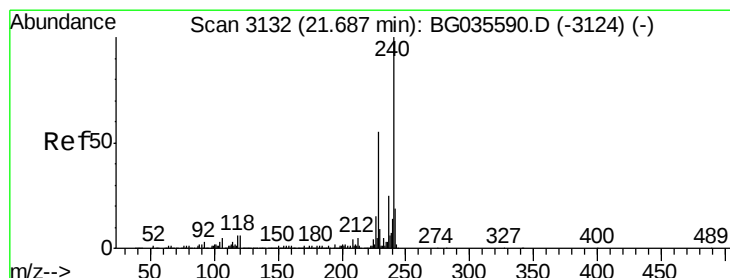
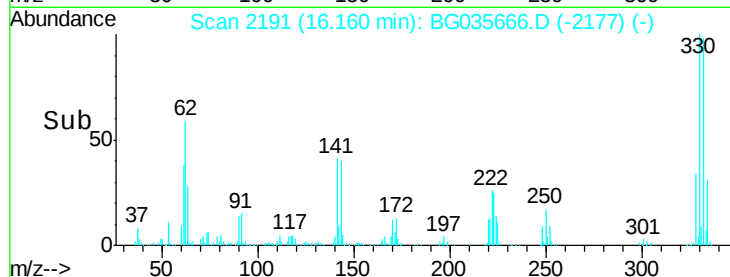
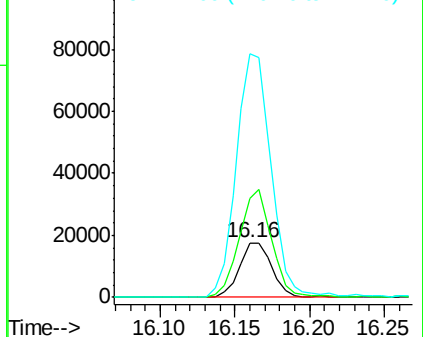
#66
 4-Bromophenyl-phenylether
 Concen: 5.363 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG035666.D
 Acq: 16 Jul 2018 12:43

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-2

Tgt Ion:248 Resp: 26681
 Ion Ratio Lower Upper
 248 100
 250 181.0 77.1 115.7#
 141 445.8 50.8 76.2#

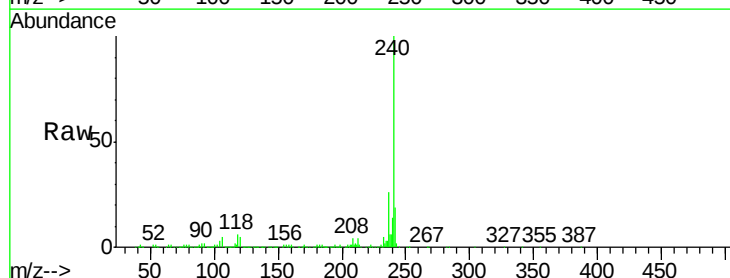


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

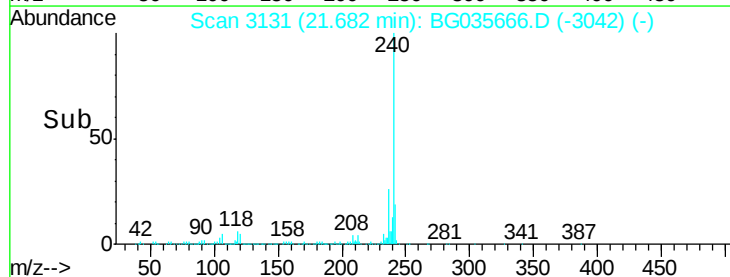
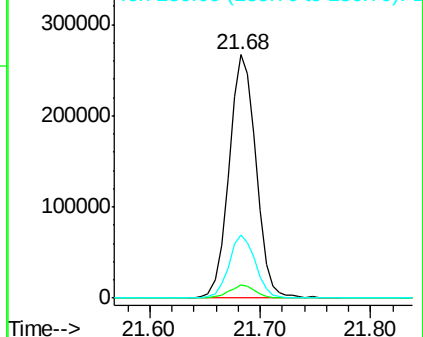


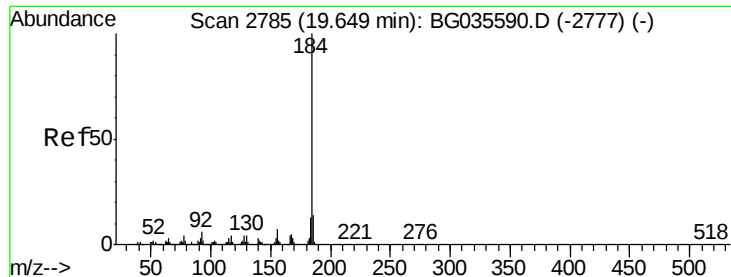
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BG035666.D
 Acq: 16 Jul 2018 12:43

Tgt Ion:240 Resp: 456402
 Ion Ratio Lower Upper
 240 100
 120 5.4 6.8 10.2#
 236 26.0 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

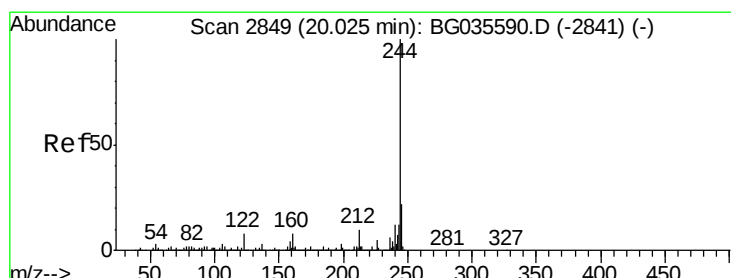
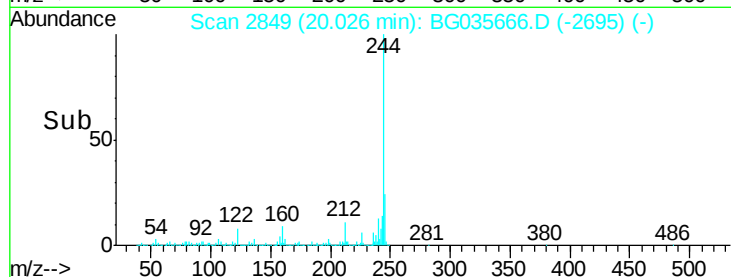
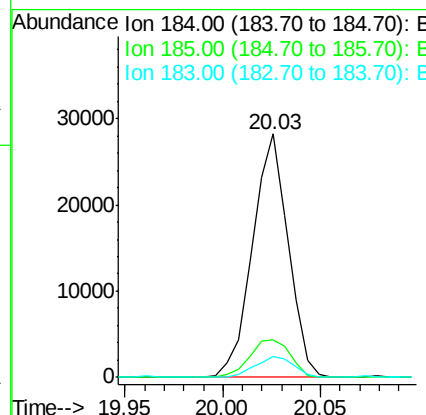
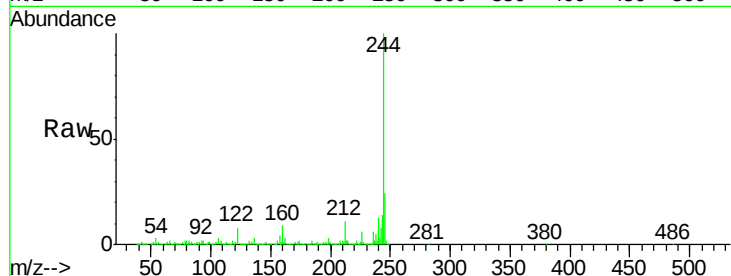




#76
Benzidine
Concen: 2.973 ng
RT: 20.03 min Scan# 2849
Delta R.T. 0.38 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

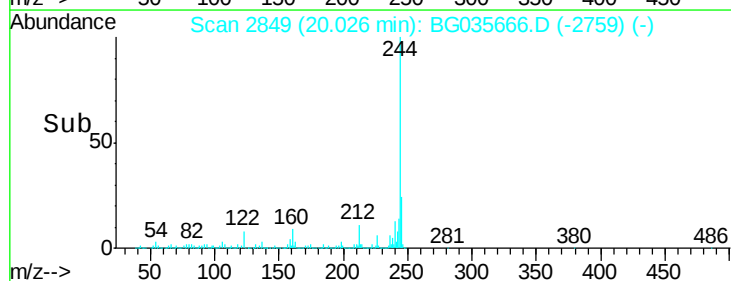
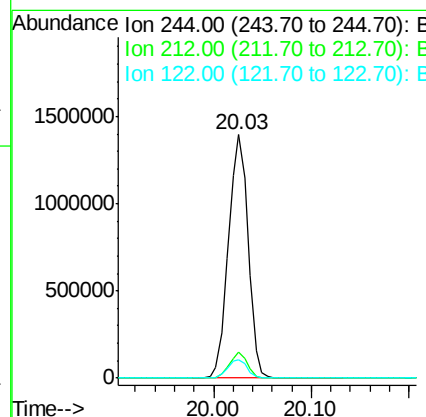
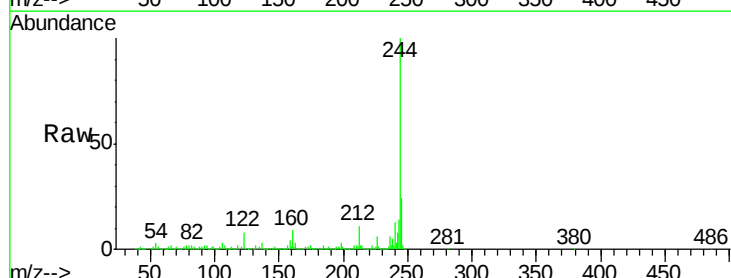
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-2

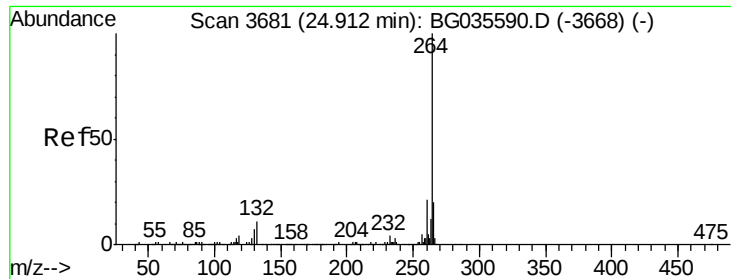
Tgt Ion:184 Resp: 35669
Ion Ratio Lower Upper
184 100
185 15.6 11.1 16.7
183 8.8 10.6 16.0#



#78
Terphenyl-d14
Concen: 94.111 ng
RT: 20.03 min Scan# 2849
Delta R.T. 0.00 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

Tgt Ion:244 Resp: 1948566
Ion Ratio Lower Upper
244 100
212 10.6 5.8 8.8#
122 7.6 7.0 10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3680
Delta R.T. -0.00 min
Lab File: BG035666.D
Acq: 16 Jul 2018 12:43

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	20.6	17.7	26.5

