

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035772.D
 Acq On : 20 Jul 2018 5:52
 Operator : JU/SJ
 Sample : J4057-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1

Quant Time: Jul 20 07:13:05 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

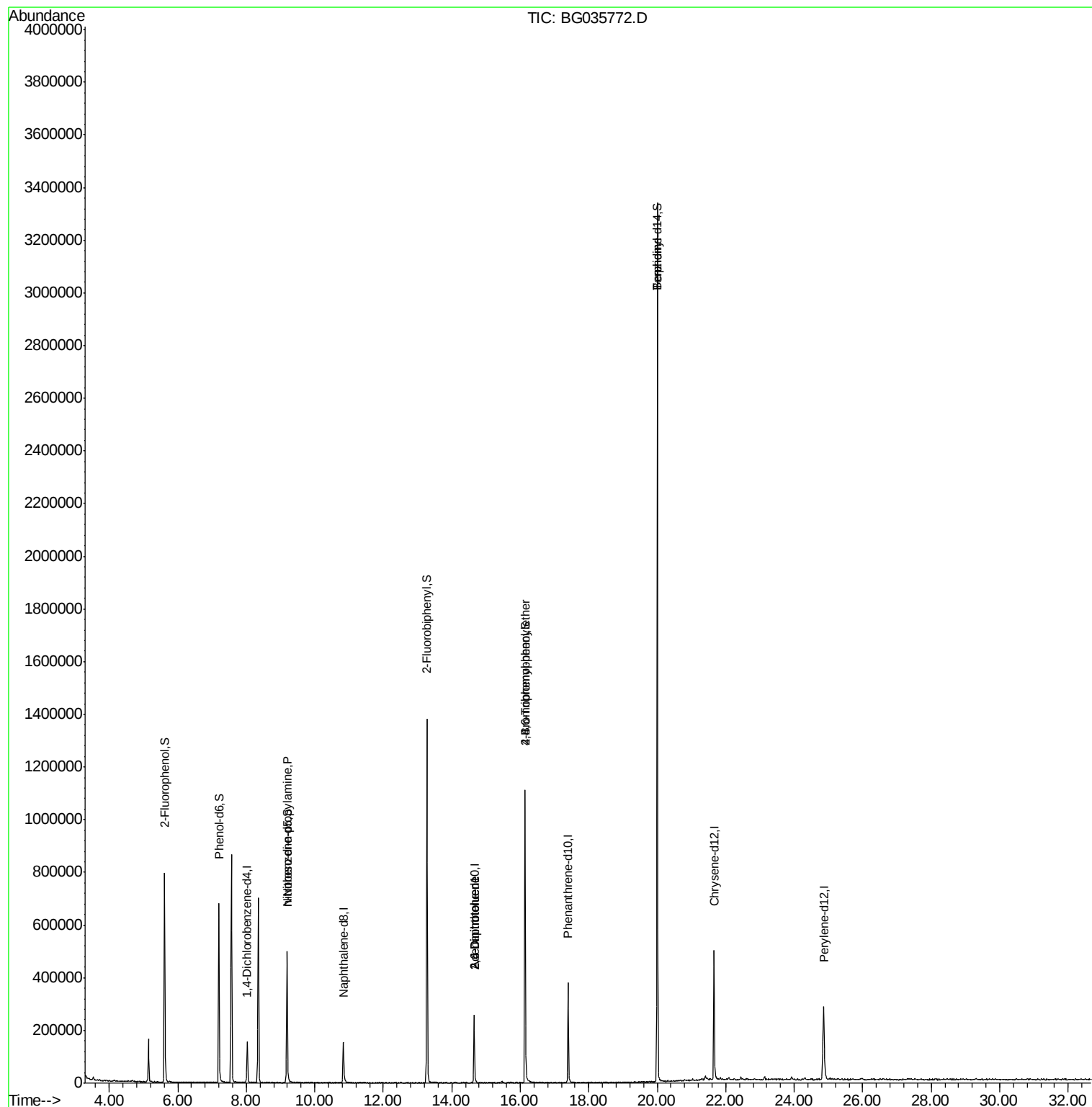
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	43654	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	150300	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	99516	20.00	ng	-0.01
63) Phenanthrene-d10	17.39	188	269235	20.00	ng	-0.01
75) Chrysene-d12	21.66	240	336570	20.00	ng	-0.02
86) Perylene-d12	24.85	264	323307	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	353466	134.43	ng	0.00
7) Phenol-d6	7.20	99	424370	108.17	ng	0.00
23) Nitrobenzene-d5	9.19	82	348745	96.93	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	205624	156.76	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	788878	106.20	ng	-0.01
78) Terphenyl-d14	20.00	244	1598155	104.67	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	48330	14.630	ng	# 65
50) 2,6-Dinitrotoluene	14.65	165	13336	7.511	ng	# 21
56) 2,4-Dinitrotoluene	14.65	165	13336	5.235	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	17422	5.578	ng	# 1
76) Benzidine	20.00	184	28156	3.182	ng	# 85

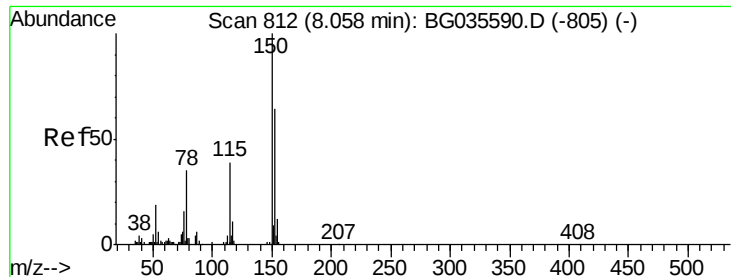
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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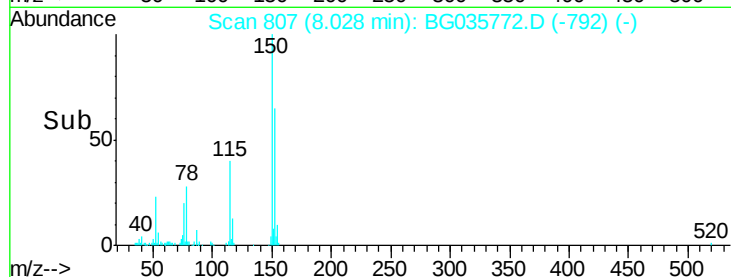
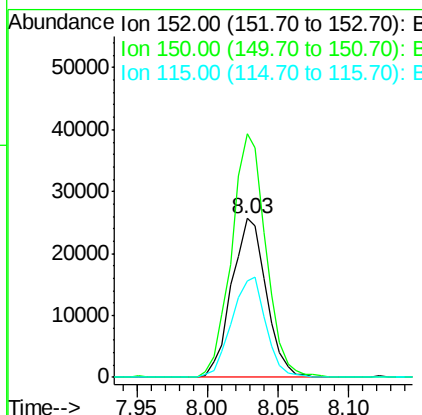
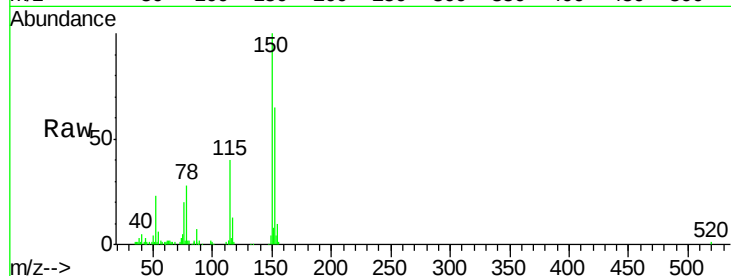


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG035772.D
Acq: 20 Jul 2018 5:52

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1

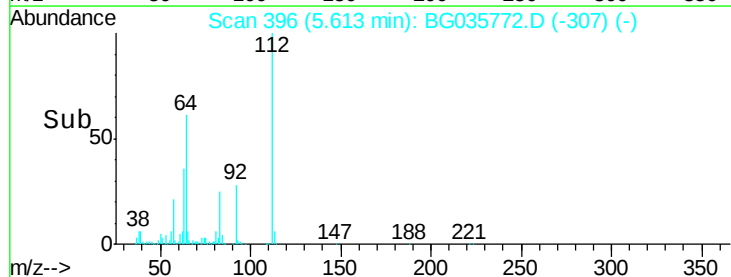
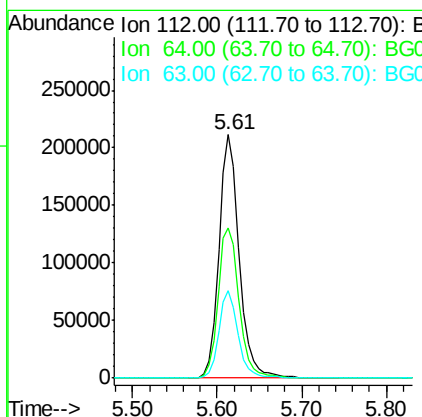
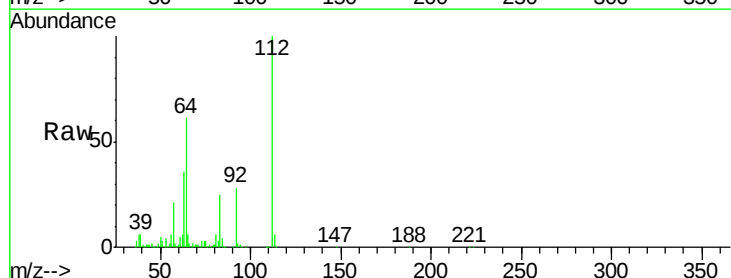
Tgt Ion:152 Resp: 43654
Ion Ratio Lower Upper
152 100
150 153.6 126.6 189.8
115 60.9 53.0 79.4

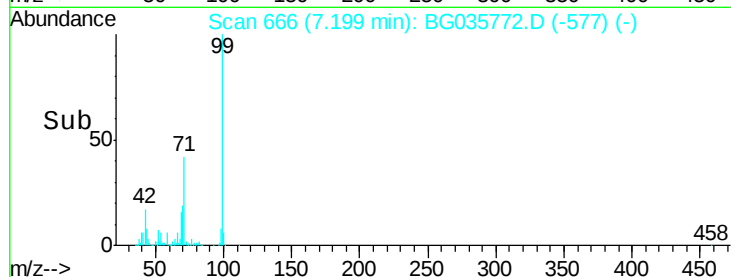
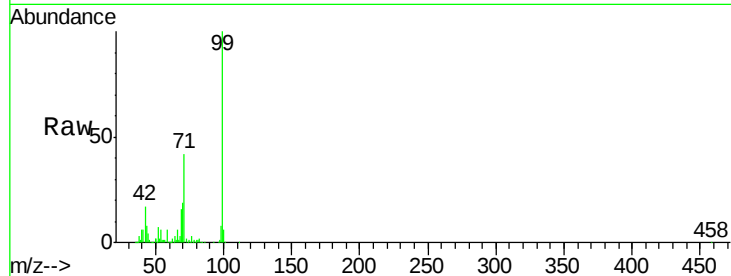
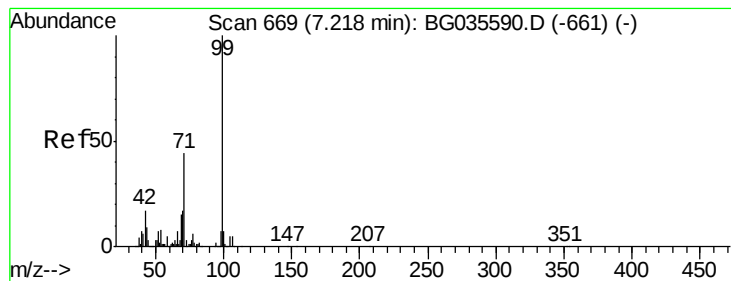


#5

2-Fluorophenol
Concen: 134.429 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG035772.D
Acq: 20 Jul 2018 5:52

Tgt Ion:112 Resp: 353466
Ion Ratio Lower Upper
112 100
64 61.4 56.3 84.5
63 36.1 30.1 45.1





#7

Phenol-d6

Concen: 108.174 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1

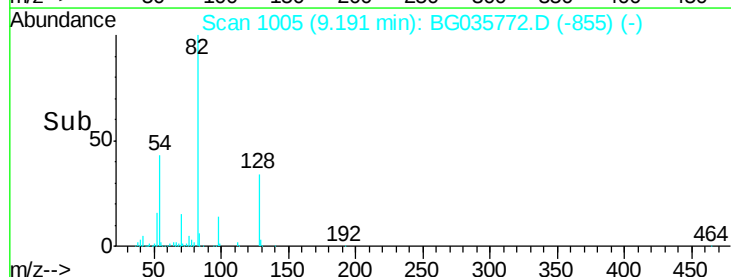
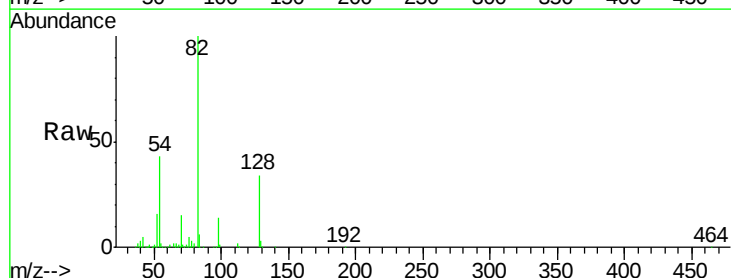
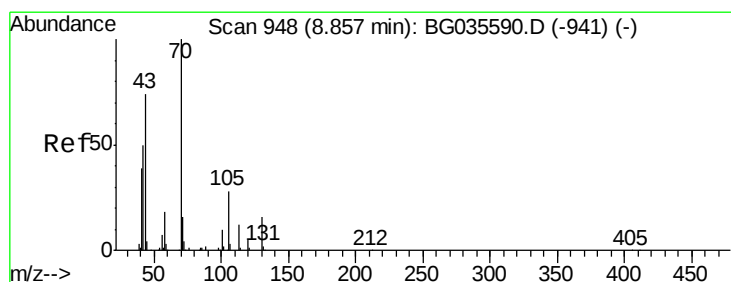
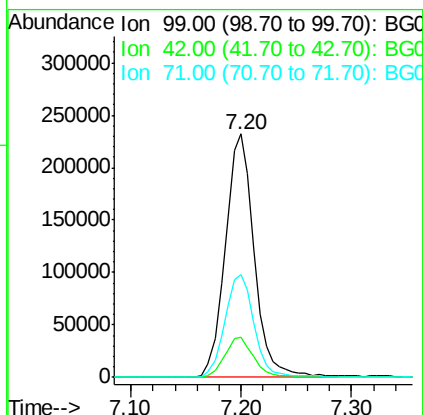
Tgt Ion: 99 Resp: 424370

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

71 42.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.630 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.35 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Tgt Ion: 70 Resp: 48330

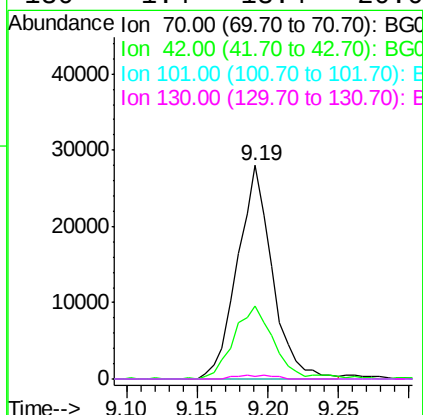
Ion Ratio Lower Upper

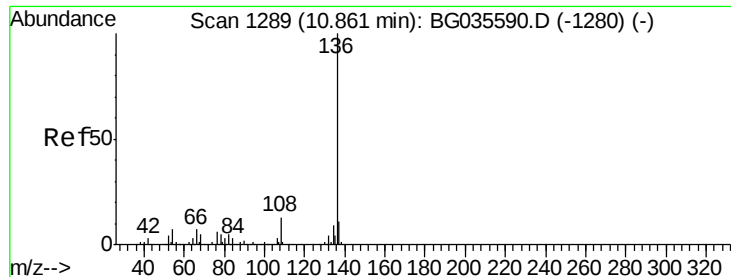
70 100

42 34.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

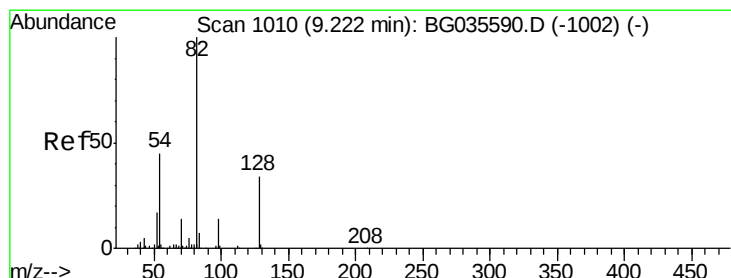
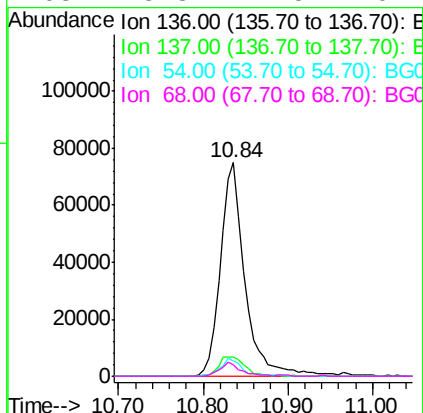
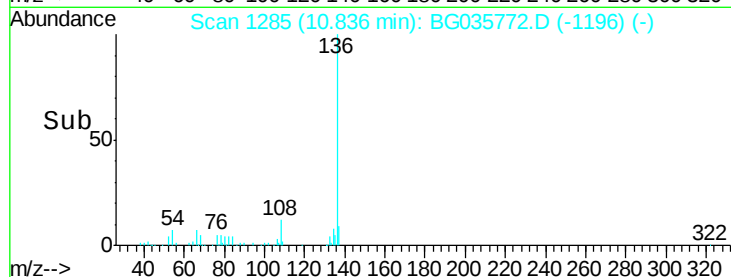
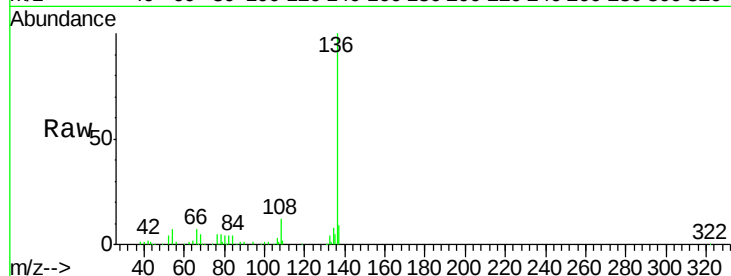




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BG035772.D
Acq: 20 Jul 2018 5:52

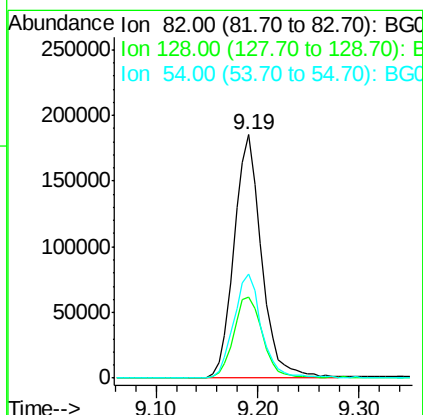
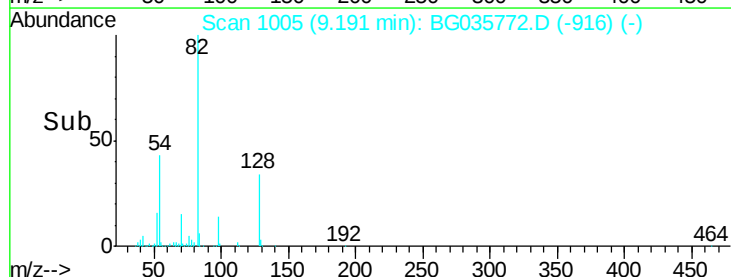
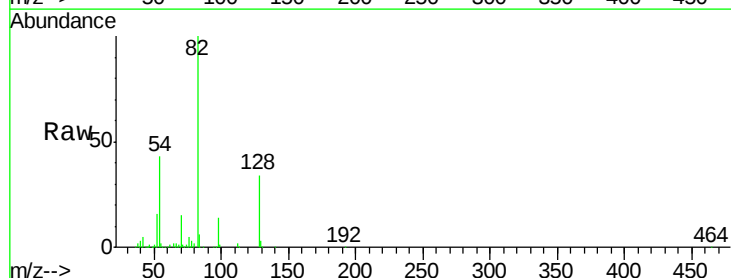
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1

Tgt Ion:	136	Resp:	150300
Ion	Ratio	Lower	Upper
136	100		
137	9.3	9.2	13.8
54	7.3	10.3	15.5#
68	5.3	4.5	6.7



#23
Nitrobenzene-d5
Concen: 96.931 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BG035772.D
Acq: 20 Jul 2018 5:52

Tgt Ion:	82	Resp:	348745
Ion	Ratio	Lower	Upper
82	100		
128	33.5	29.7	44.5
54	42.9	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: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1

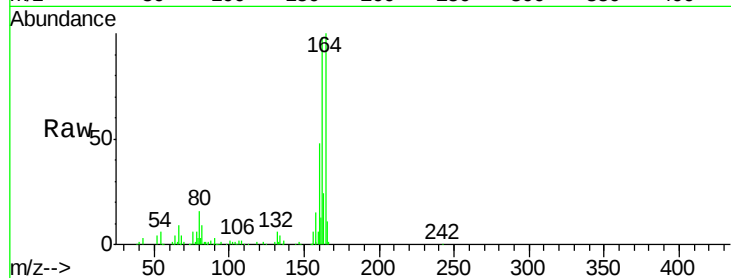
Tgt Ion:164 Resp: 99516

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

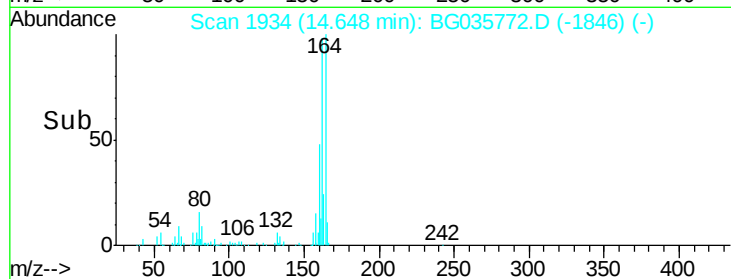
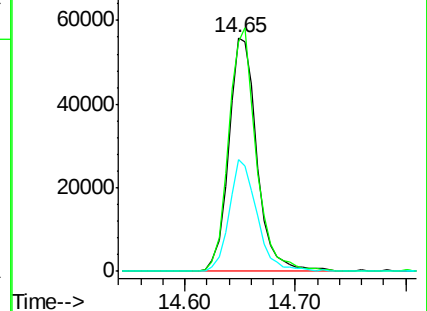
160 47.8 35.4 53.0



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: 156.763 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

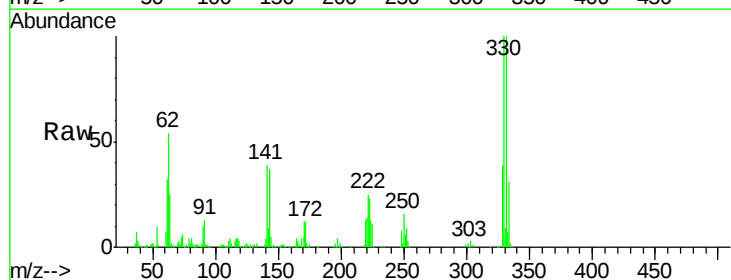
Tgt Ion:330 Resp: 205624

Ion Ratio Lower Upper

330 100

332 98.8 77.0 115.6

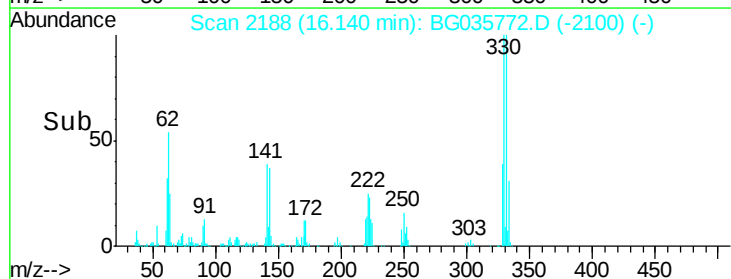
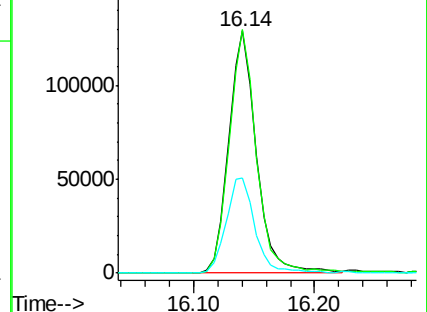
141 40.8 25.2 37.8#

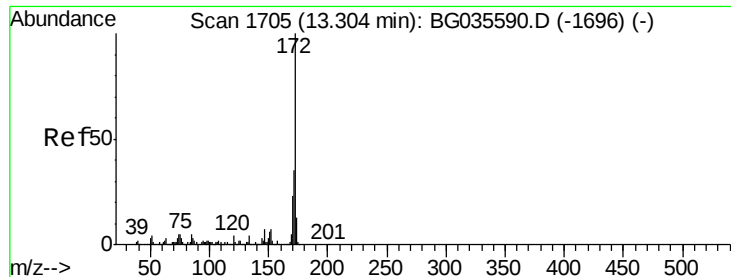


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 106.203 ng

RT: 13.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1

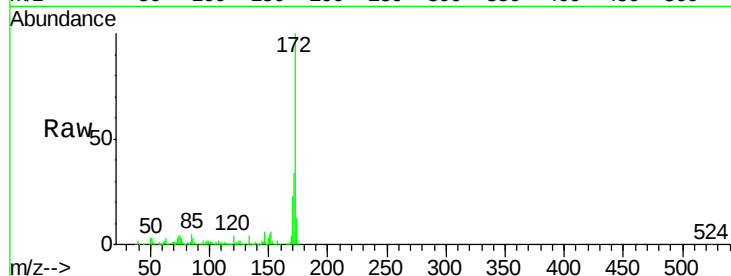
Tgt Ion:172 Resp: 788878

Ion Ratio Lower Upper

172 100

171 34.4 30.0 45.0

170 22.7 19.5 29.3

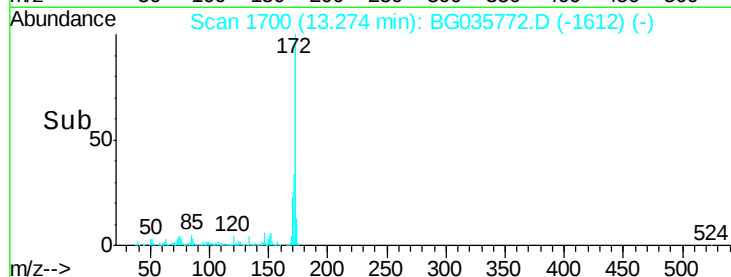


Abundance Ion 172.00 (171.70 to 172.70): E

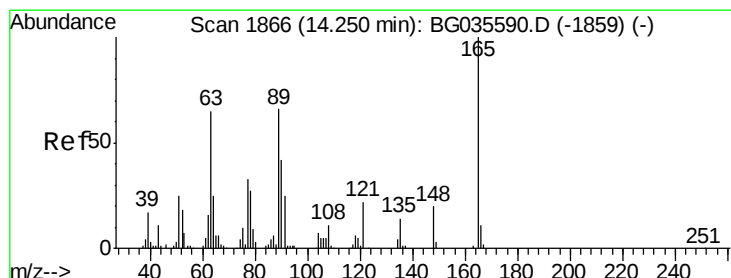
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

13.27



Time-->



#50

2,6-Dinitrotoluene

Concen: 7.511 ng

RT: 14.65 min Scan# 1935

Delta R.T. 0.42 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

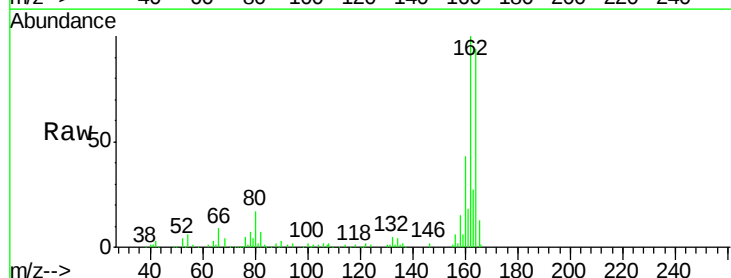
Tgt Ion:165 Resp: 13336

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

89 3.5 49.2 73.8#

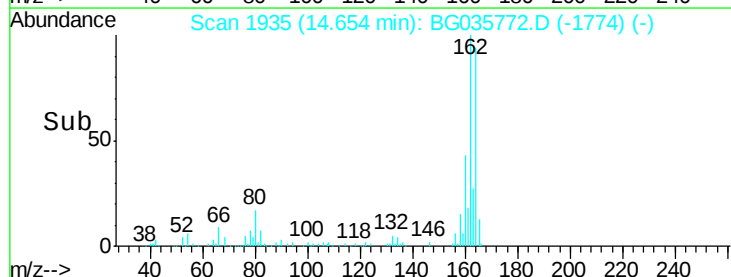


Abundance Ion 165.00 (164.70 to 165.70): E

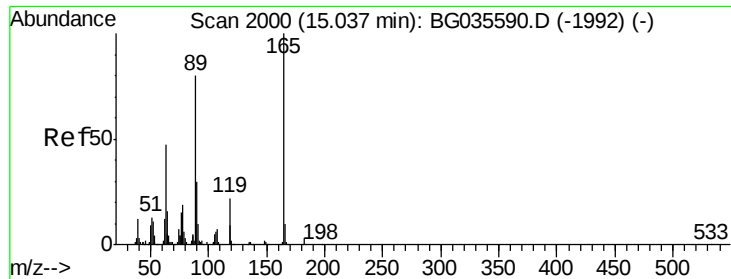
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

14.65



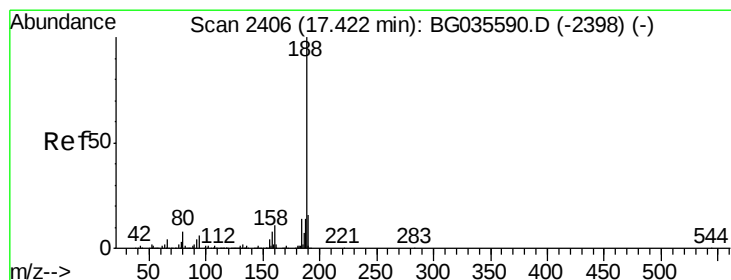
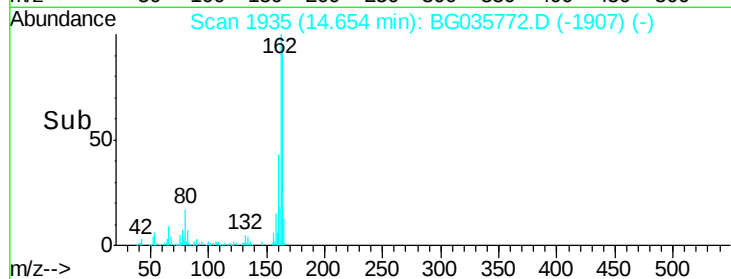
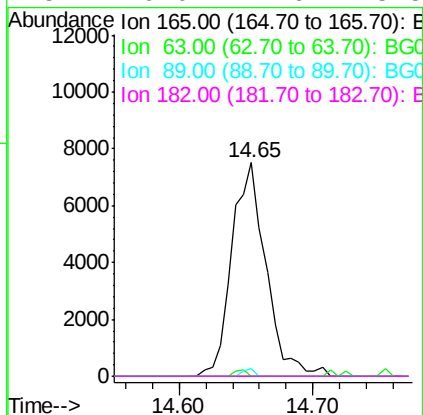
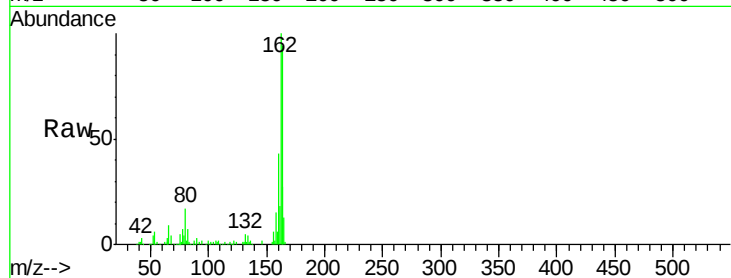
Time-->



#56
 2,4-Dinitrotoluene
 Concen: 5.235 ng
 RT: 14.65 min Scan# 1935
 Delta R.T. -0.37 min
 Lab File: BG035772.D
 Acq: 20 Jul 2018 5:52

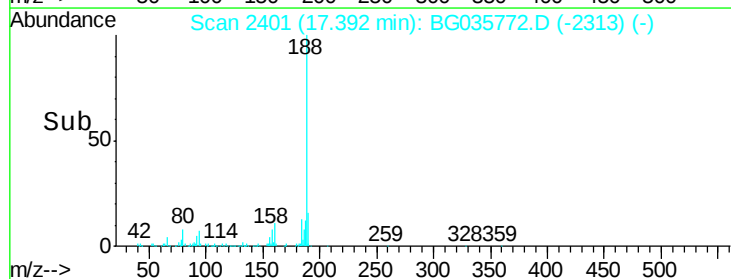
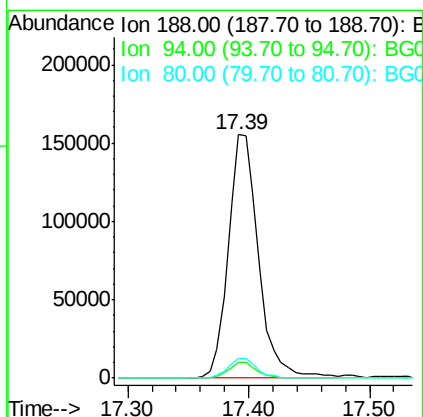
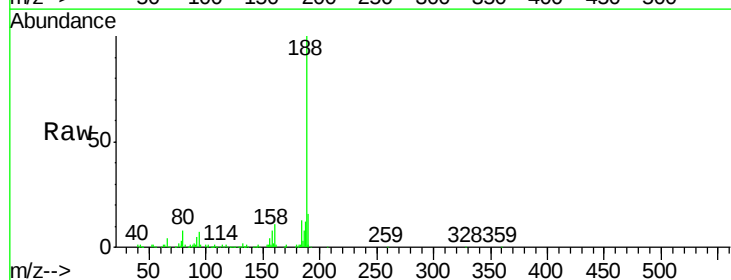
Instrument :
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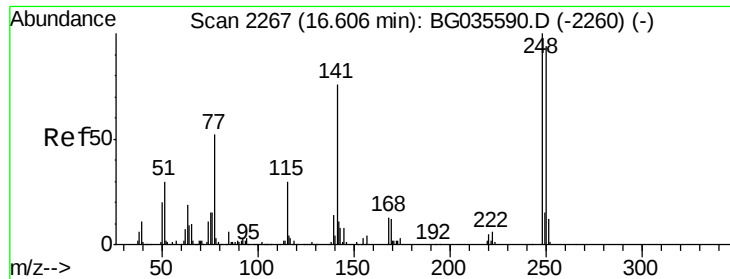
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.5	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BG035772.D
 Acq: 20 Jul 2018 5:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.9	10.3#
80	8.3	7.7	11.5

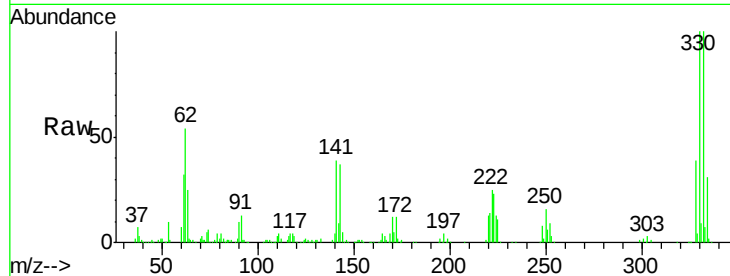




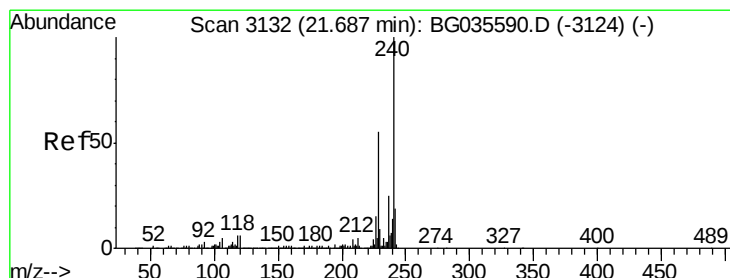
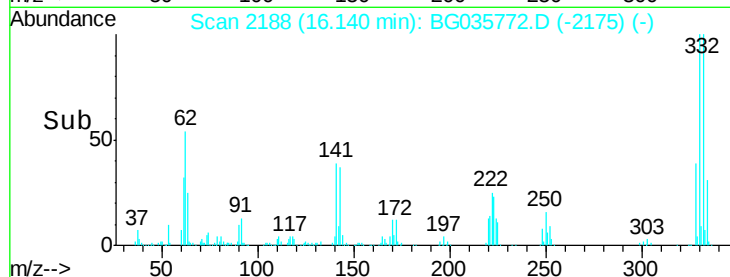
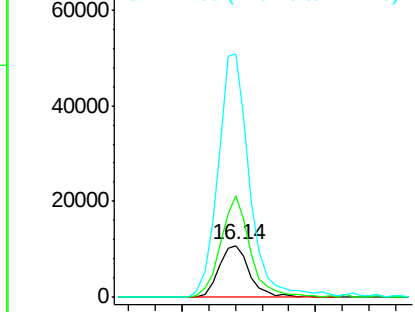
#66
 4-Bromophenyl-phenylether
 Concen: 5.578 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.45 min
 Lab File: BG035772.D
 Acq: 20 Jul 2018 5:52

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1

Tgt Ion:248 Resp: 17422
 Ion Ratio Lower Upper
 248 100
 250 195.0 77.1 115.7#
 141 468.3 50.8 76.2#

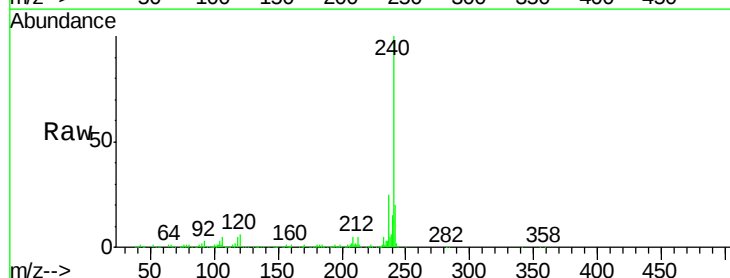


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

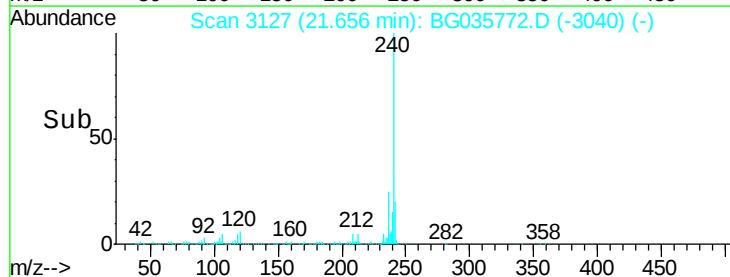
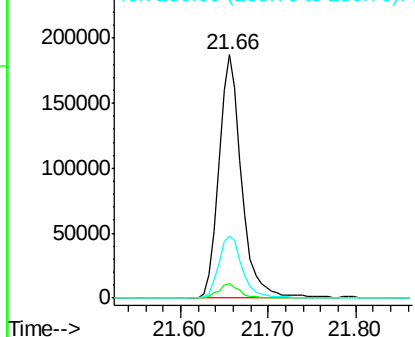


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.02 min
 Lab File: BG035772.D
 Acq: 20 Jul 2018 5:52

Tgt Ion:240 Resp: 336570
 Ion Ratio Lower Upper
 240 100
 120 6.0 6.8 10.2#
 236 25.2 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: 3.182 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.36 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1

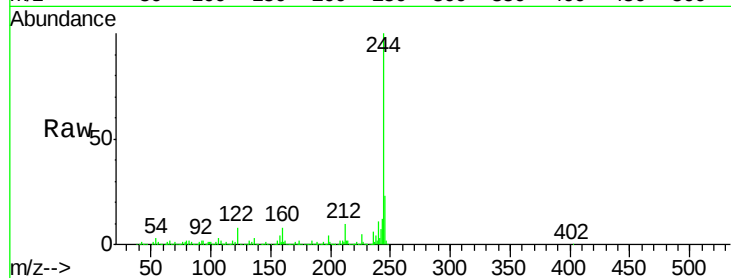
Tgt Ion:184 Resp: 28156

Ion Ratio Lower Upper

184 100

185 21.0 11.1 16.7#

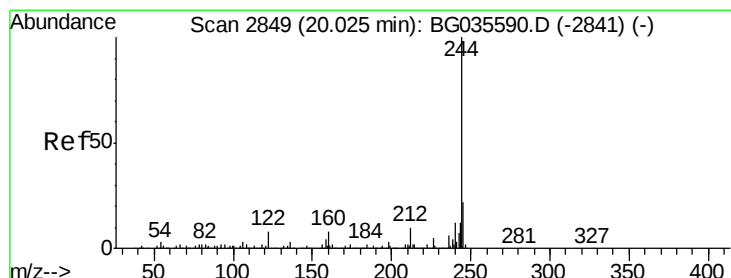
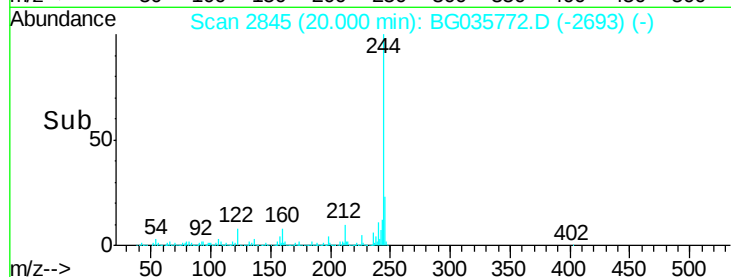
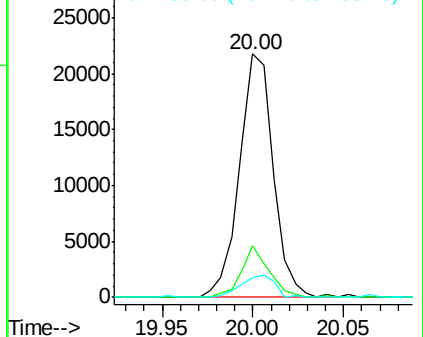
183 8.1 10.6 16.0#



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: 104.668 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

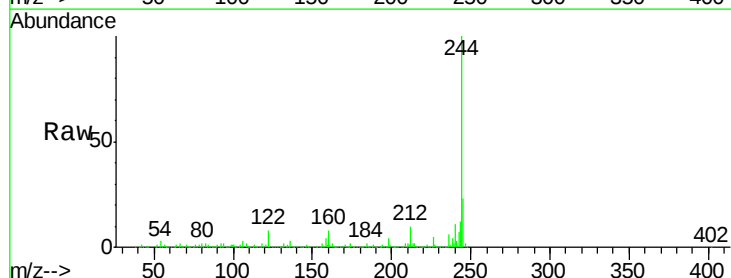
Tgt Ion:244 Resp: 1598155

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

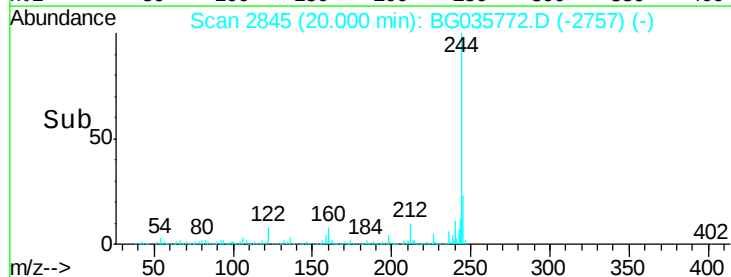
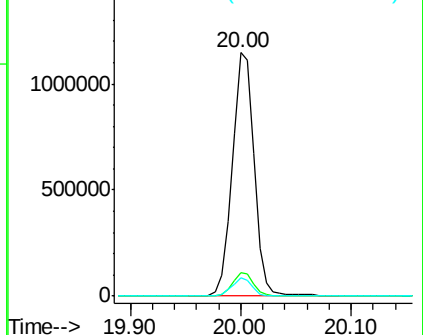
122 7.7 7.0 10.4

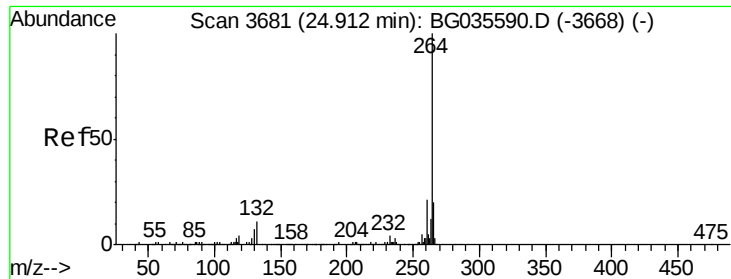


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3671
Delta R.T. -0.03 min
Lab File: BG035772.D
Acq: 20 Jul 2018 5:52

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	19.3	17.7	26.5

