

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041451.D
 Acq On : 25 Jun 2019 19:40
 Operator : HP/JU
 Sample : K3475-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILS-1

Quant Time: Jun 26 04:21:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

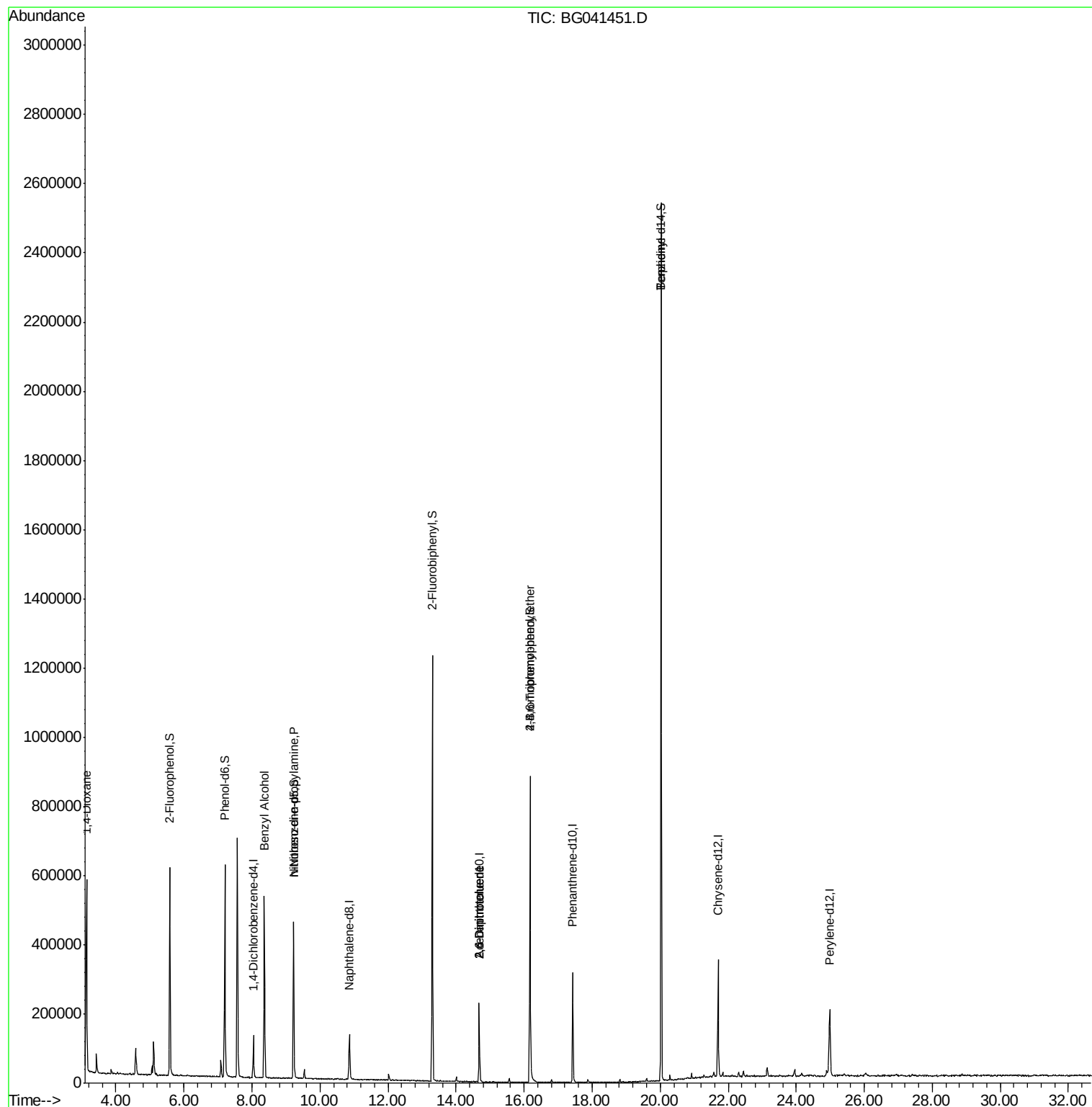
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	33145	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	116880	20.00	ng	-0.05
39) Acenaphthene-d10	14.68	164	80936	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	209954	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	217512	20.00	ng	-0.04
87) Perylene-d12	24.99	264	230949	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	245200	135.93	ng	-0.03
7) Phenol-d6	7.20	99	314454	120.26	ng	-0.03
23) Nitrobenzene-d5	9.22	82	268372	96.57	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	191377	154.02	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	614909	103.26	ng	-0.04
79) Terphenyl-d14	20.03	244	1190005	108.42	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	6182	6.834	ng	# 1
15) Benzyl Alcohol	8.36	79	5051	2.016	ng	# 47
19) n-Nitroso-di-n-propylamine	9.22	70	38371	18.144	ng	# 75
51) 2,6-Dinitrotoluene	14.69	165	10036	6.609	ng	# 18
57) 2,4-Dinitrotoluene	14.69	165	10036	4.521	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	13132	4.837	ng	# 1
77) Benzidine	20.03	184	19612	3.728	ng	# 94

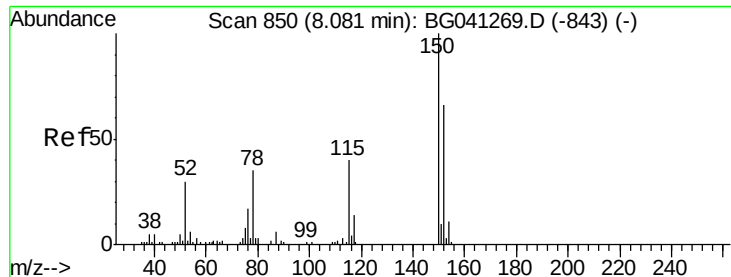
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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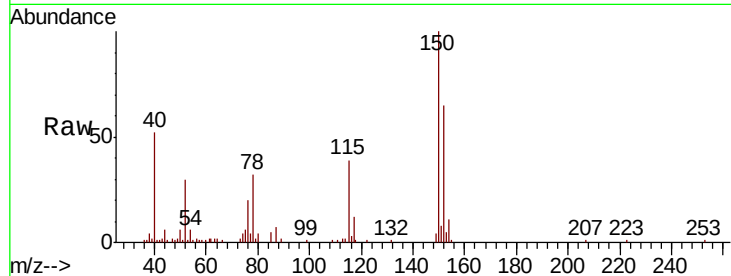


#1

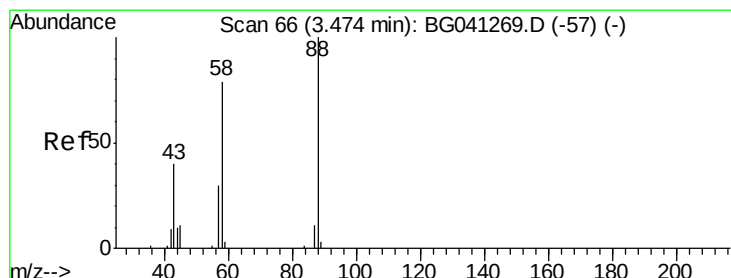
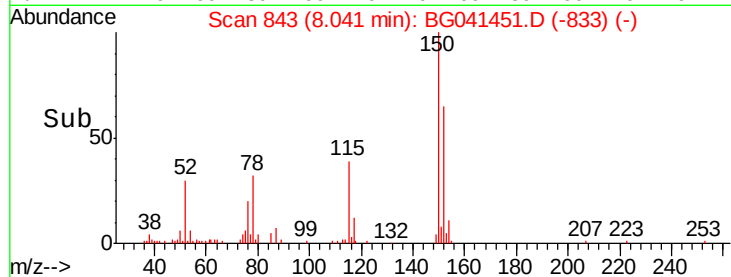
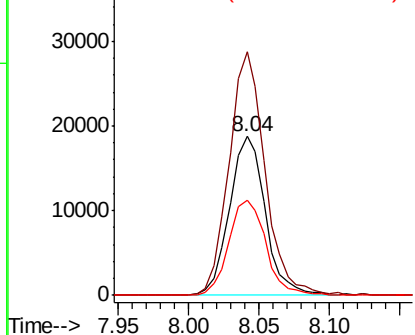
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

Instrument :
BNA_G
ClientSampleId :
SOILS-1

Tgt Ion:152 Resp: 33145
Ion Ratio Lower Upper
152 100
150 153.1 120.6 181.0
115 60.0 47.9 71.9



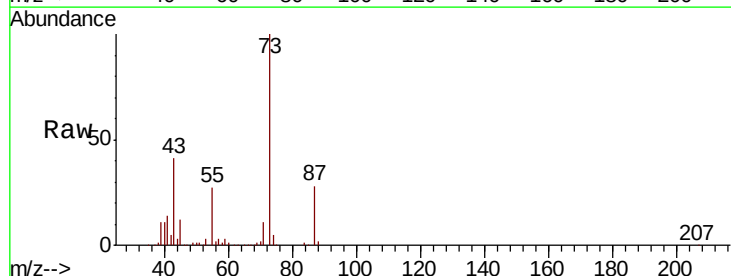
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



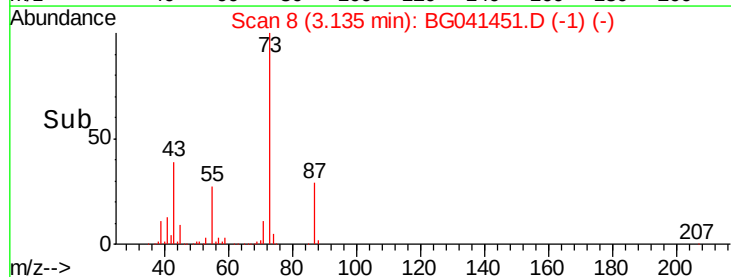
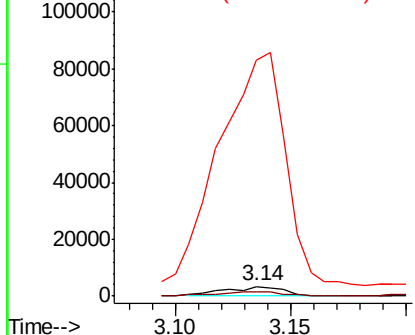
#2

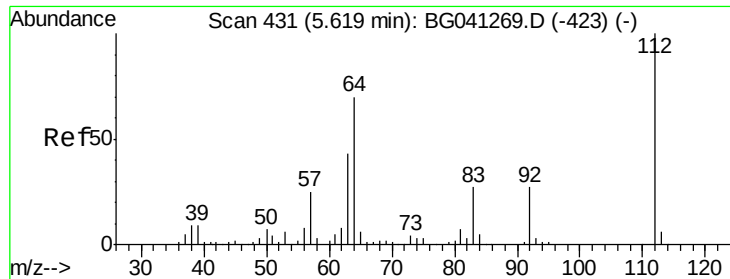
1,4-Dioxane
Concen: 6.834 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.34 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

Tgt Ion: 88 Resp: 6182
Ion Ratio Lower Upper
88 100
58 34.7 59.7 89.5#
43 2528.0 31.9 47.9#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 135.928 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.03 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Instrument :

BNA_G

ClientSampleId :

SOILS-1

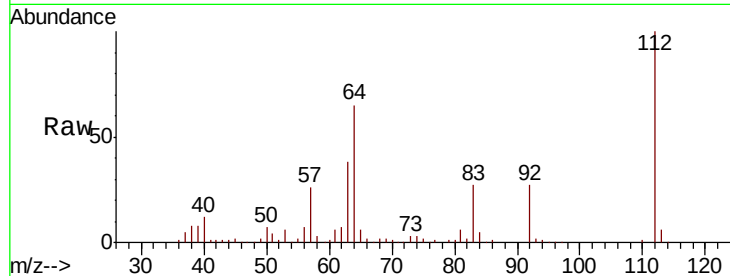
Tgt Ion: 112 Resp: 245200

Ion Ratio Lower Upper

112 100

64 65.4 55.9 83.9

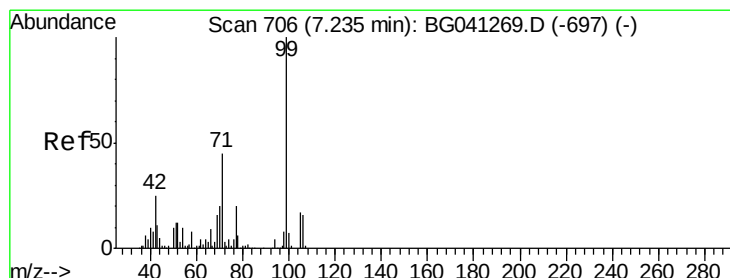
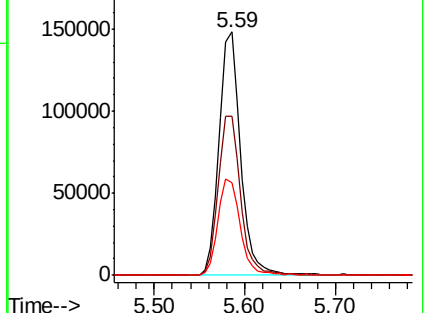
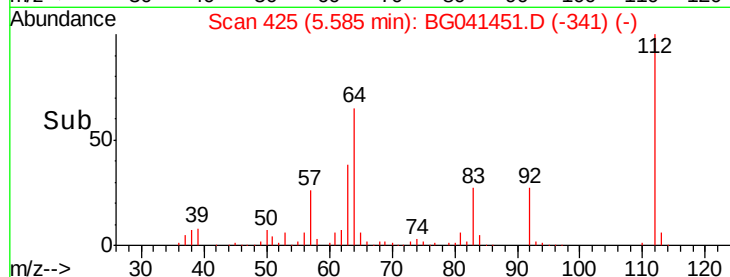
63 38.2 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 120.261 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

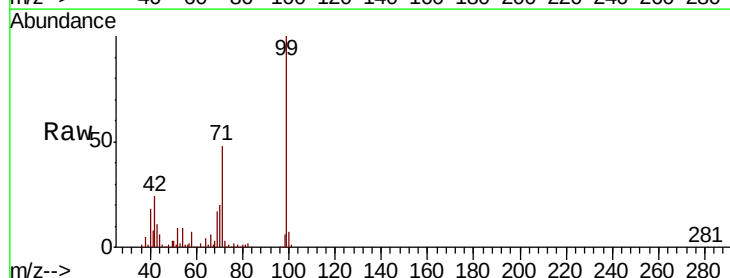
Tgt Ion: 99 Resp: 314454

Ion Ratio Lower Upper

99 100

42 23.7 19.9 29.9

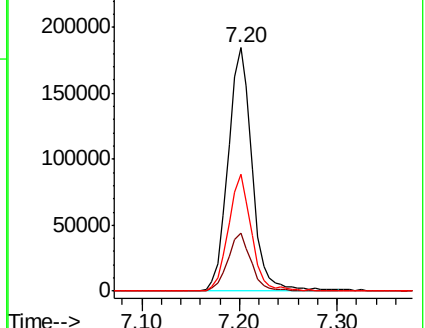
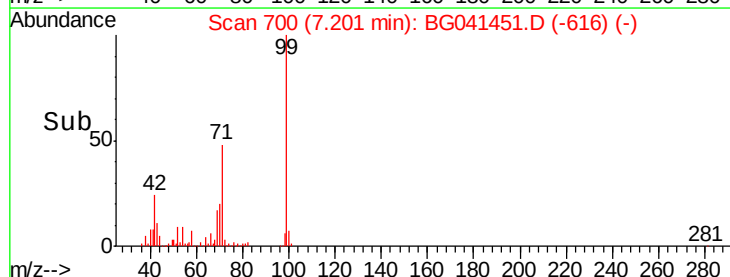
71 48.0 36.4 54.6

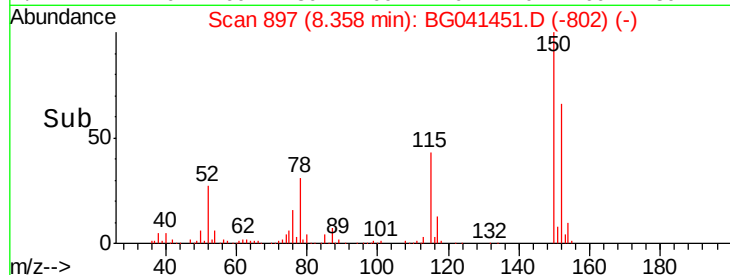
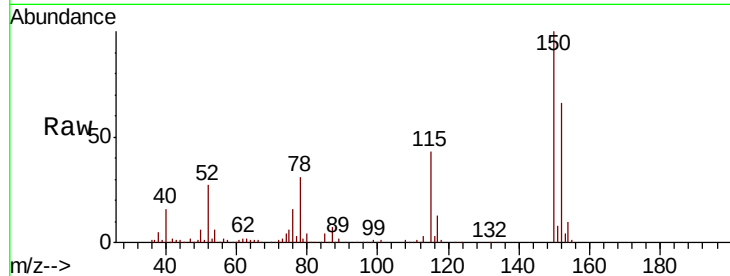
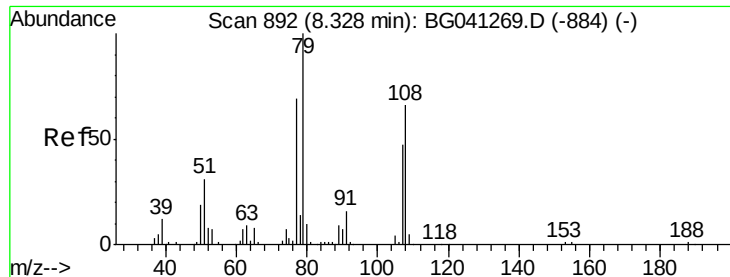


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.016 ng

RT: 8.36 min Scan# 897

Delta R.T. 0.03 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Instrument :

BNA_G

ClientSampleId :

SOILS-1

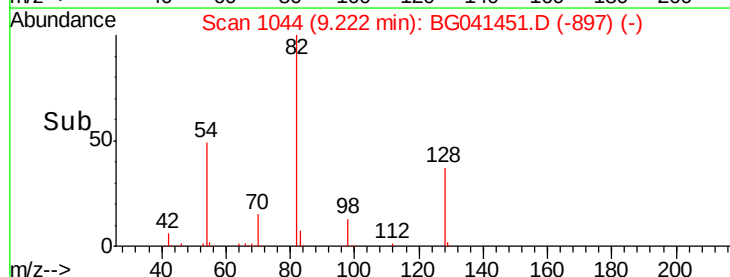
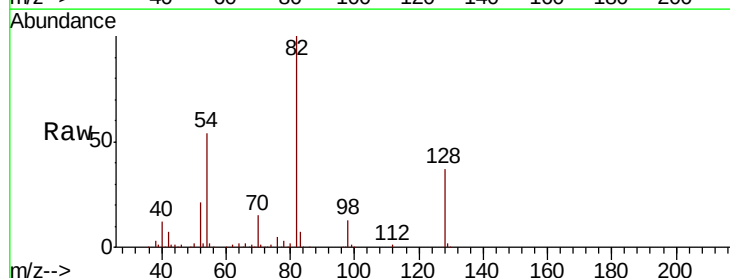
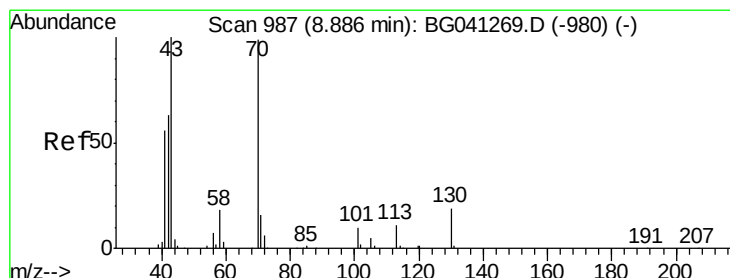
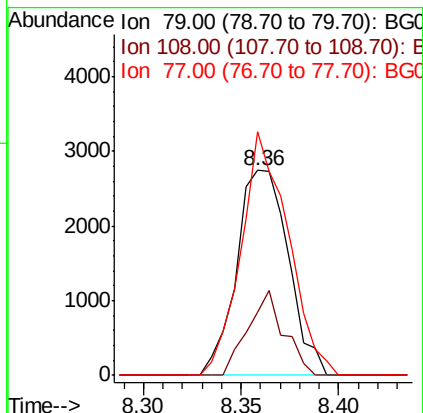
Tgt Ion: 79 Resp: 5051

Ion Ratio Lower Upper

79 100

108 31.0 52.7 79.1#

77 118.8 55.2 82.8#



#19

n-Nitroso-di-n-propylamine

Concen: 18.144 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Tgt Ion: 70 Resp: 38371

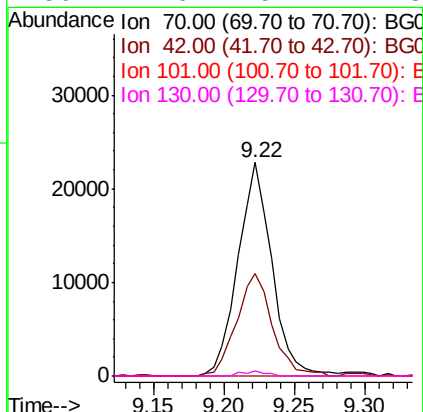
Ion Ratio Lower Upper

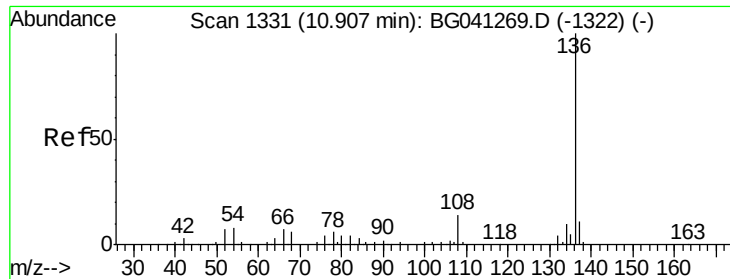
70 100

42 47.8 51.4 77.2#

101 0.0 8.2 12.2#

130 2.6 15.2 22.8#

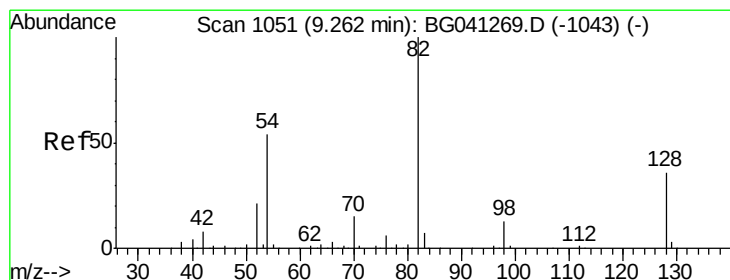
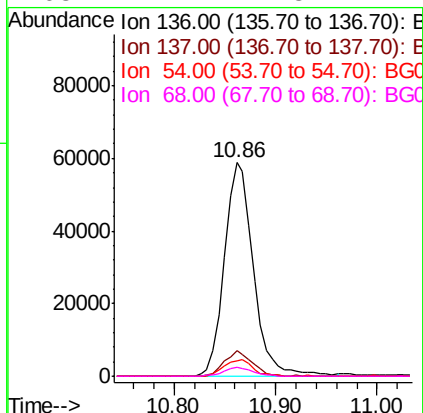
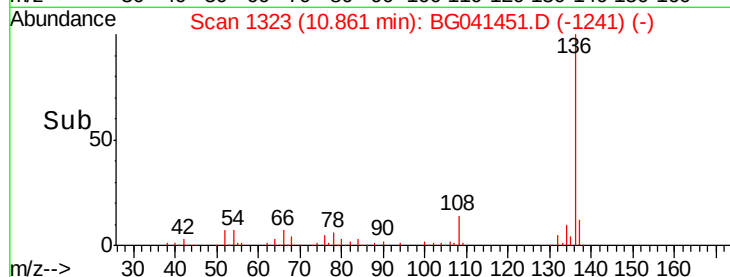
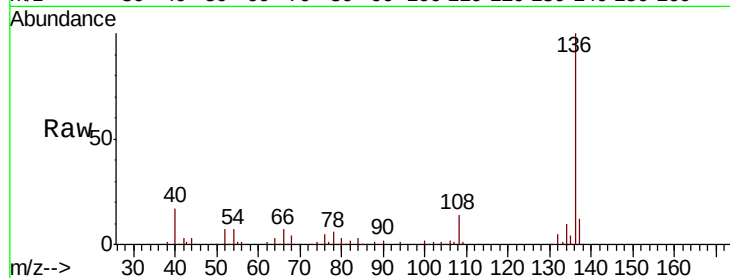




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.05 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

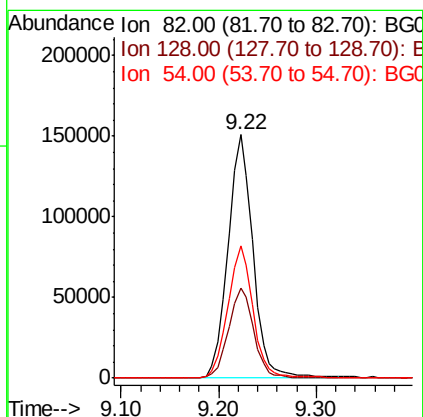
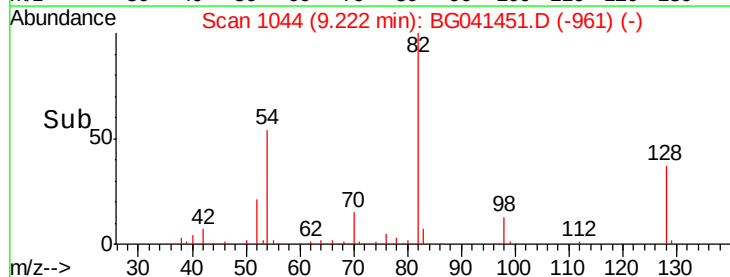
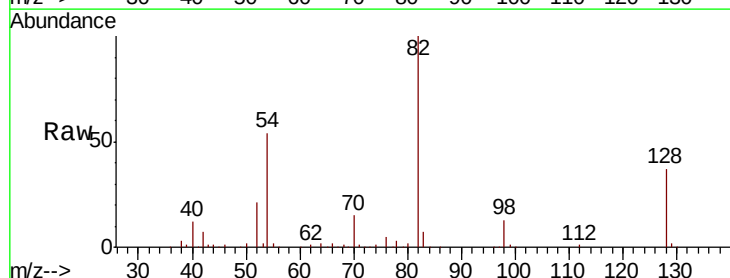
Instrument :
BNA_G
ClientSampleId :
SOILS-1

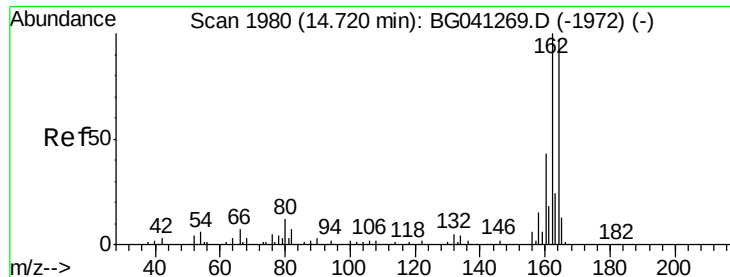
Tgt Ion: 136 Resp: 116880
Ion Ratio Lower Upper
136 100
137 12.0 8.8 13.2
54 7.4 6.4 9.6
68 4.4 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 96.567 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

Tgt Ion: 82 Resp: 268372
Ion Ratio Lower Upper
82 100
128 37.1 29.2 43.8
54 54.4 43.4 65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.04 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Instrument :

BNA_G

ClientSampleId :

SOILS-1

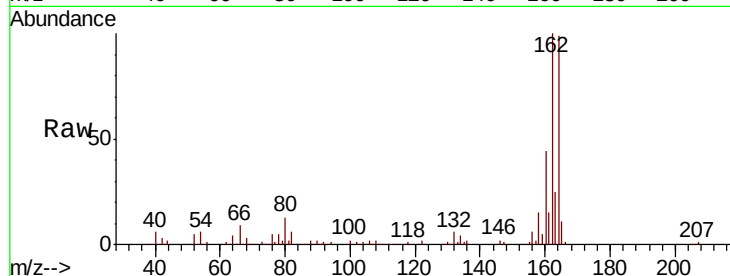
Tgt Ion:164 Resp: 80936

Ion Ratio Lower Upper

164 100

162 101.1 82.8 124.2

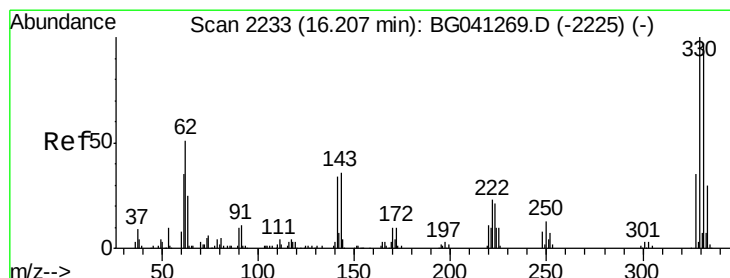
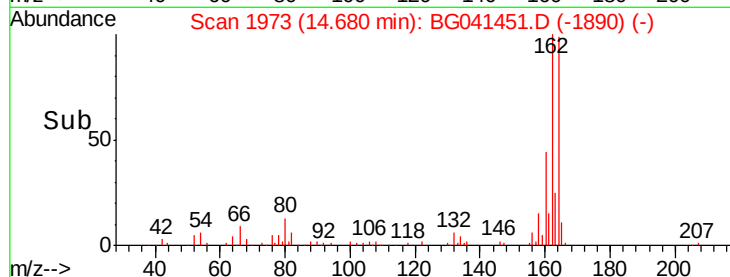
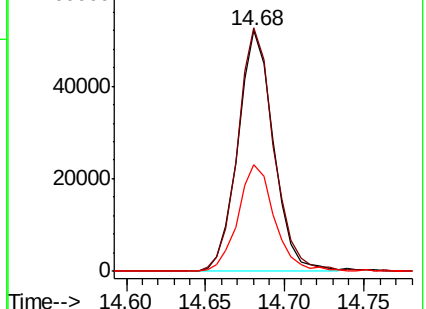
160 44.5 35.8 53.8



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



#42

2,4,6-Tribromophenol

Concen: 154.020 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.03 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

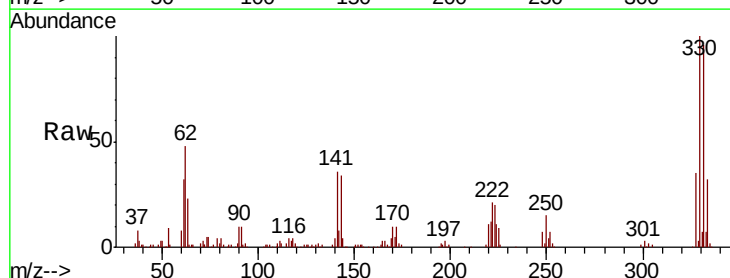
Tgt Ion:330 Resp: 191377

Ion Ratio Lower Upper

330 100

332 95.5 75.5 113.3

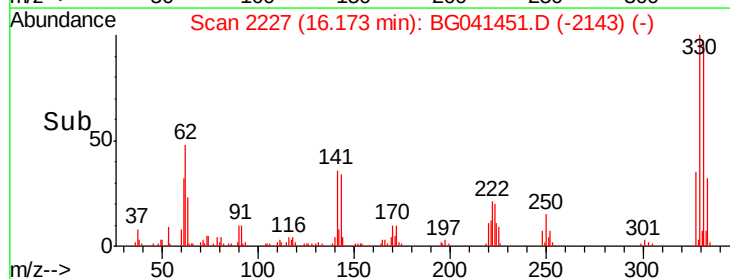
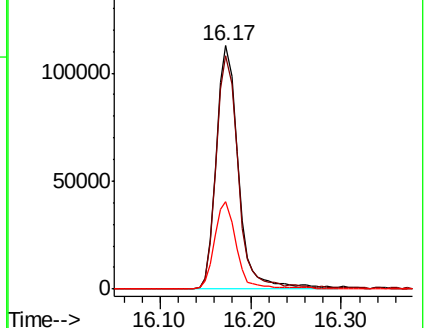
141 35.8 29.0 43.4

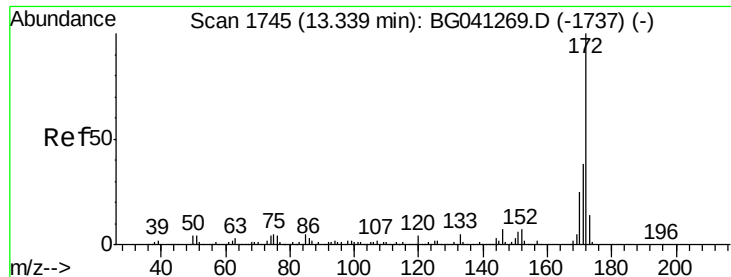


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

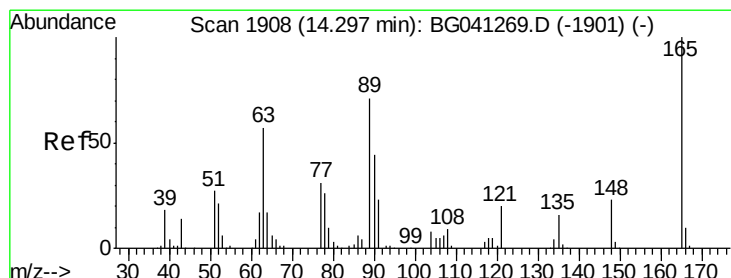
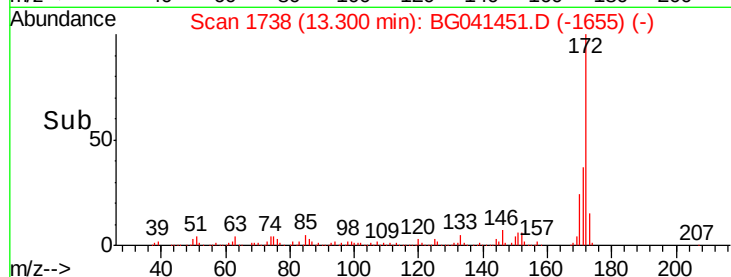
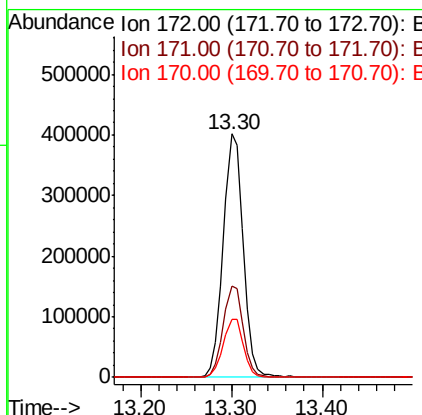
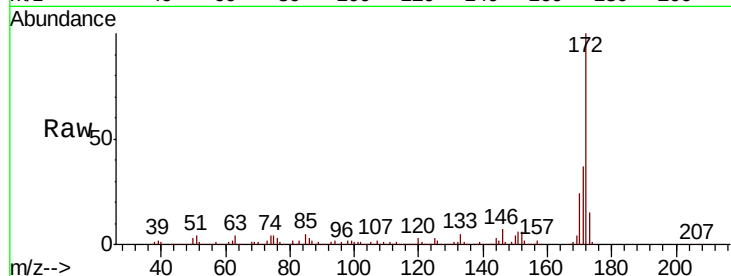




#45
2-Fluorobiphenyl
Concen: 103.261 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.04 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

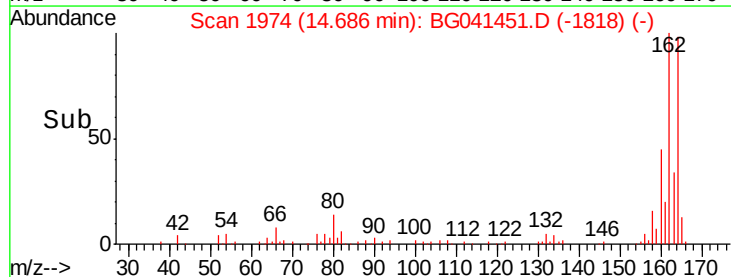
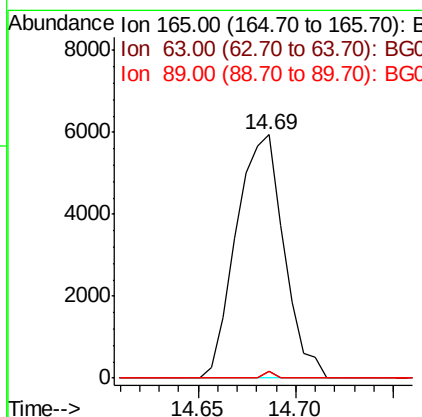
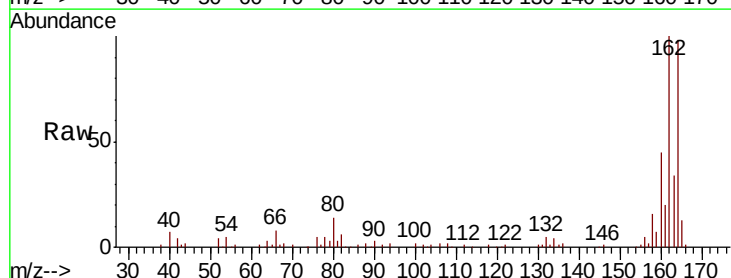
Instrument :
BNA_G
ClientSampled :
SOILS-1

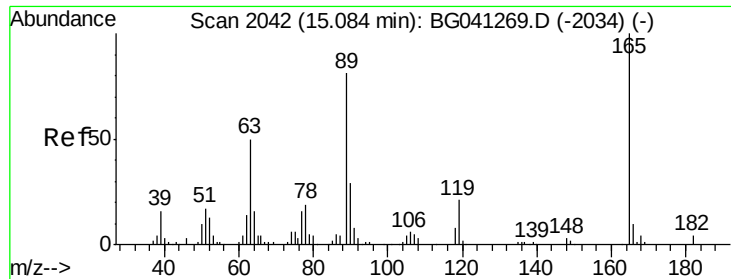
Tgt Ion:172 Resp: 614909
Ion Ratio Lower Upper
172 100
171 37.3 30.0 45.0
170 24.0 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 6.609 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.39 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

Tgt Ion:165 Resp: 10036
Ion Ratio Lower Upper
165 100
63 2.9 55.4 83.0#
89 2.6 56.5 84.7#

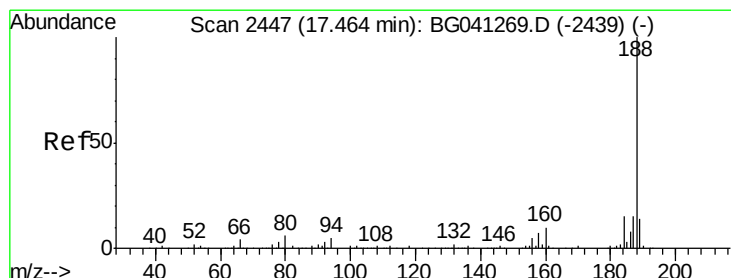
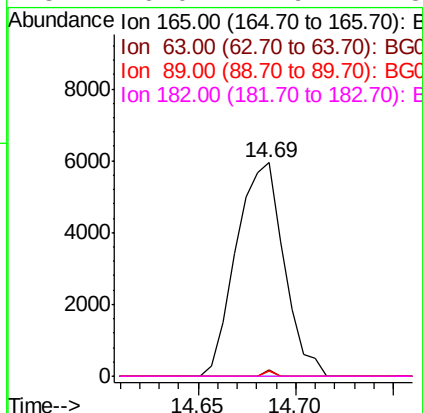
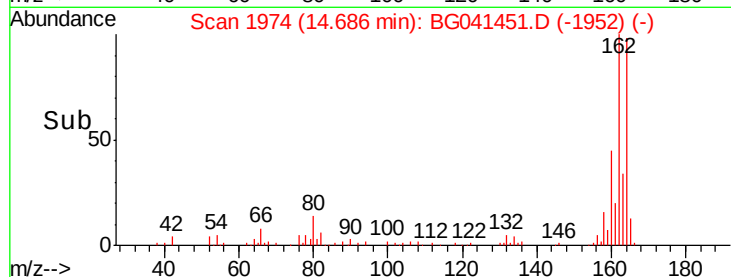
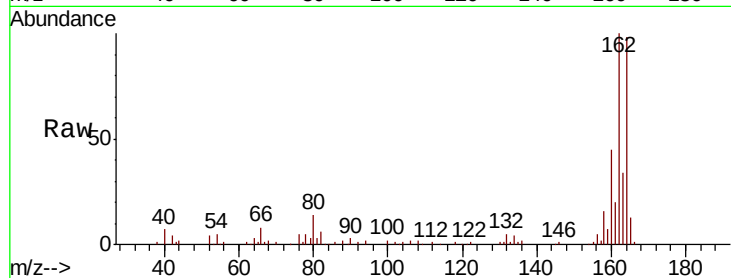




#57
 2,4-Dinitrotoluene
 Concen: 4.521 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.40 min
 Lab File: BG041451.D
 Acq: 25 Jun 2019 19:40

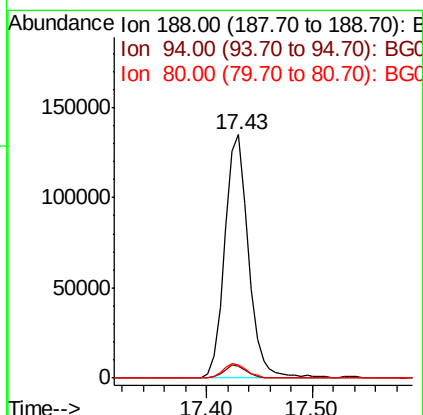
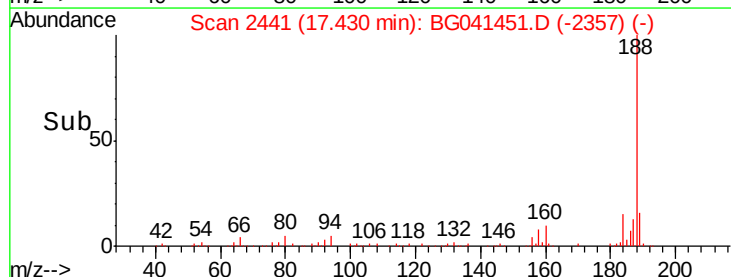
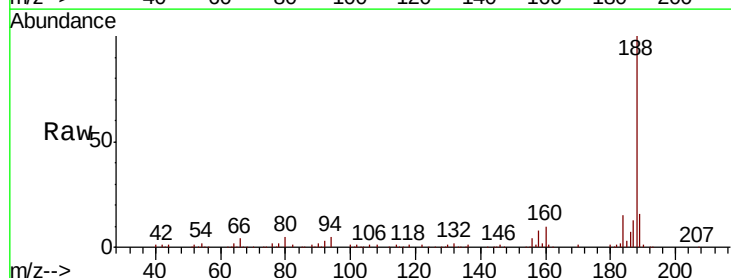
Instrument :
 BNA_G
 ClientSampleId :
 SOILS-1

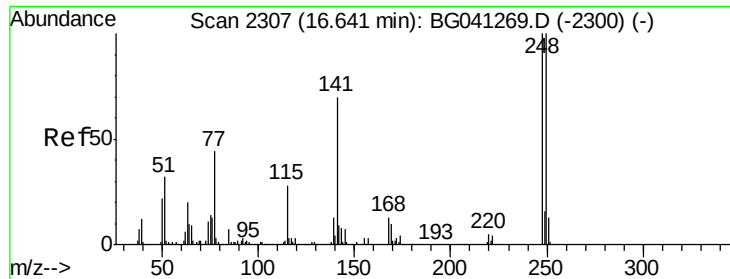
Tgt Ion:	165	Resp:	10036
Ion	Ratio	Lower	Upper
165	100		
63	2.9	40.0	60.0#
89	2.6	64.6	96.8#
182	0.0	2.9	4.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.03 min
 Lab File: BG041451.D
 Acq: 25 Jun 2019 19:40

Tgt Ion:	188	Resp:	209954
Ion	Ratio	Lower	Upper
188	100		
94	5.1	3.6	5.4
80	5.2	4.8	7.2

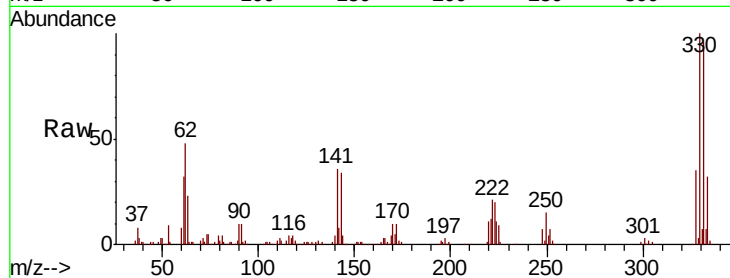




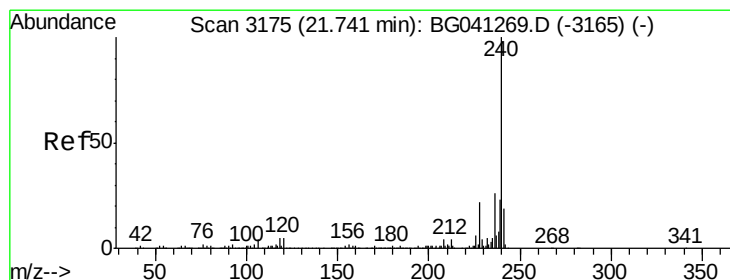
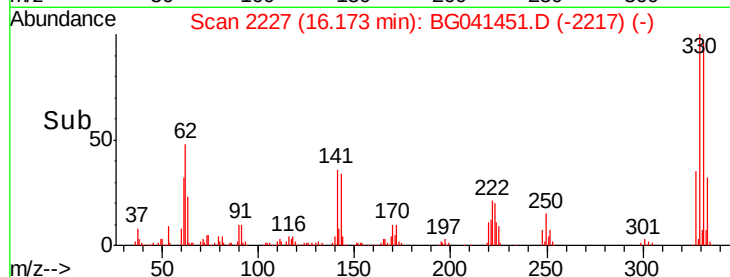
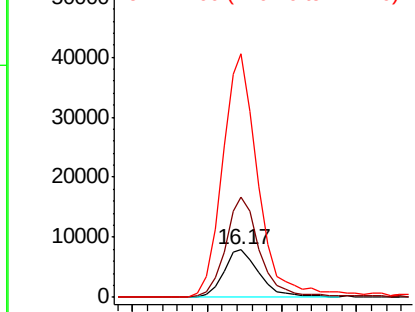
#67
4-Bromophenyl-phenylether
Concen: 4.837 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.47 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

Instrument :
BNA_G
ClientSampleId :
SOILS-1

Tgt Ion:248 Resp: 13132
Ion Ratio Lower Upper
248 100
250 210.0 79.8 119.8#
141 512.7 55.8 83.6#

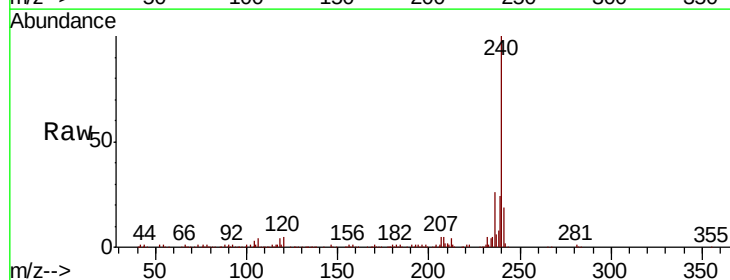


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

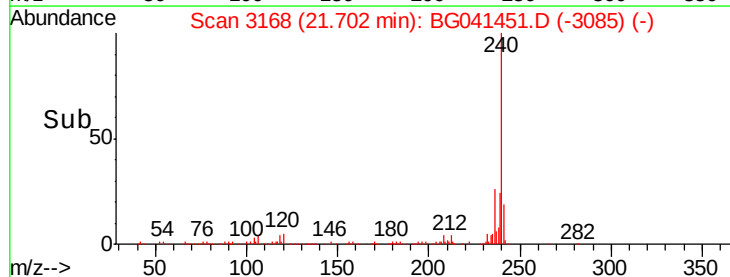
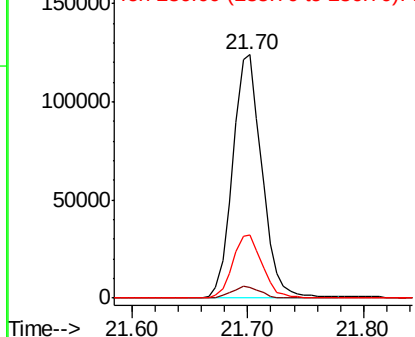


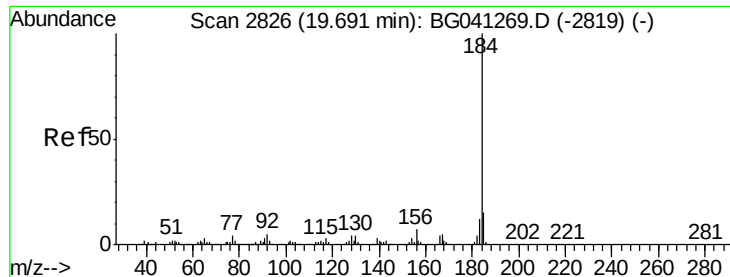
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

Tgt Ion:240 Resp: 217512
Ion Ratio Lower Upper
240 100
120 4.6 3.7 5.5
236 26.2 21.1 31.7



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





#77

Benzidine

Concen: 3.728 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.34 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Instrument :

BNA_G

ClientSampleId :

SOILS-1

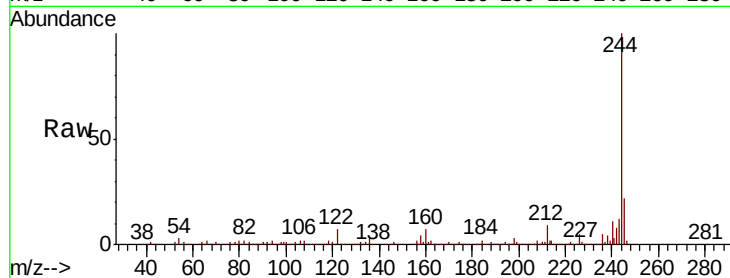
Tgt Ion:184 Resp: 19612

Ion Ratio Lower Upper

184 100

185 17.4 12.2 18.2

183 9.5 9.6 14.4#

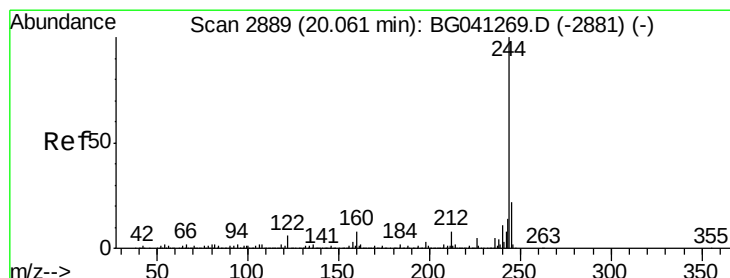
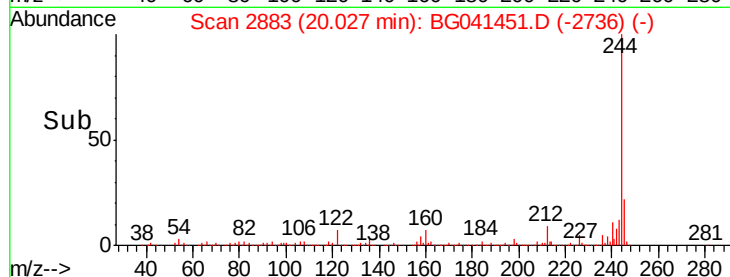
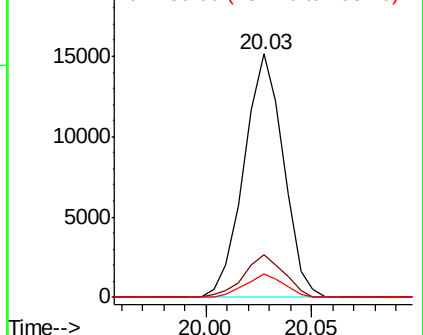


Abundance

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



#79

Terphenyl-d14

Concen: 108.424 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

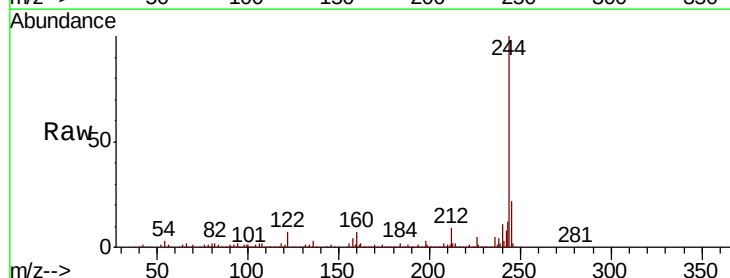
Tgt Ion:244 Resp: 1190005

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

122 6.7 5.0 7.4

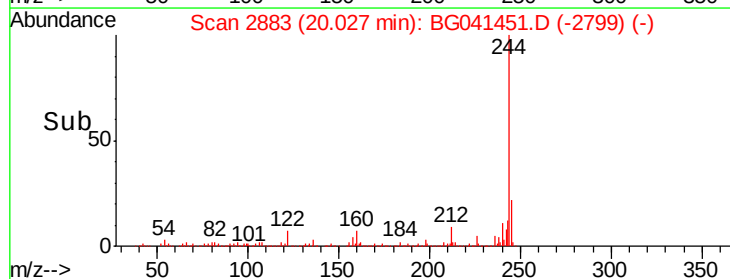
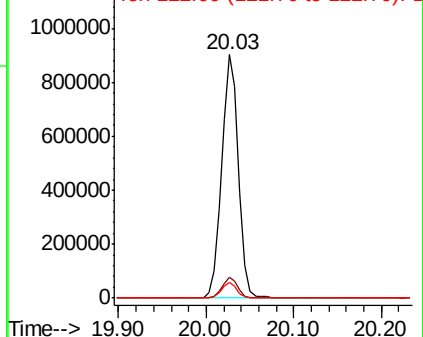


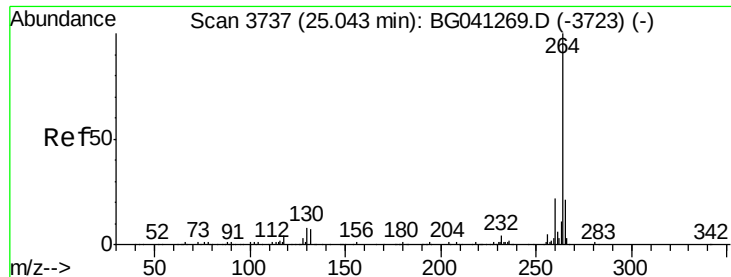
Abundance

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





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.99 min Scan# 3727
Delta R.T. -0.06 min
Lab File: BG041451.D
Acq: 25 Jun 2019 19:40

Instrument :
BNA_G
ClientSampleId :
SOILS-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.2
265	22.2	17.2	25.8

