

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041454.D
 Acq On : 25 Jun 2019 21:34
 Operator : HP/JU
 Sample : K3475-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILS-2

Quant Time: Jun 26 04:22:04 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

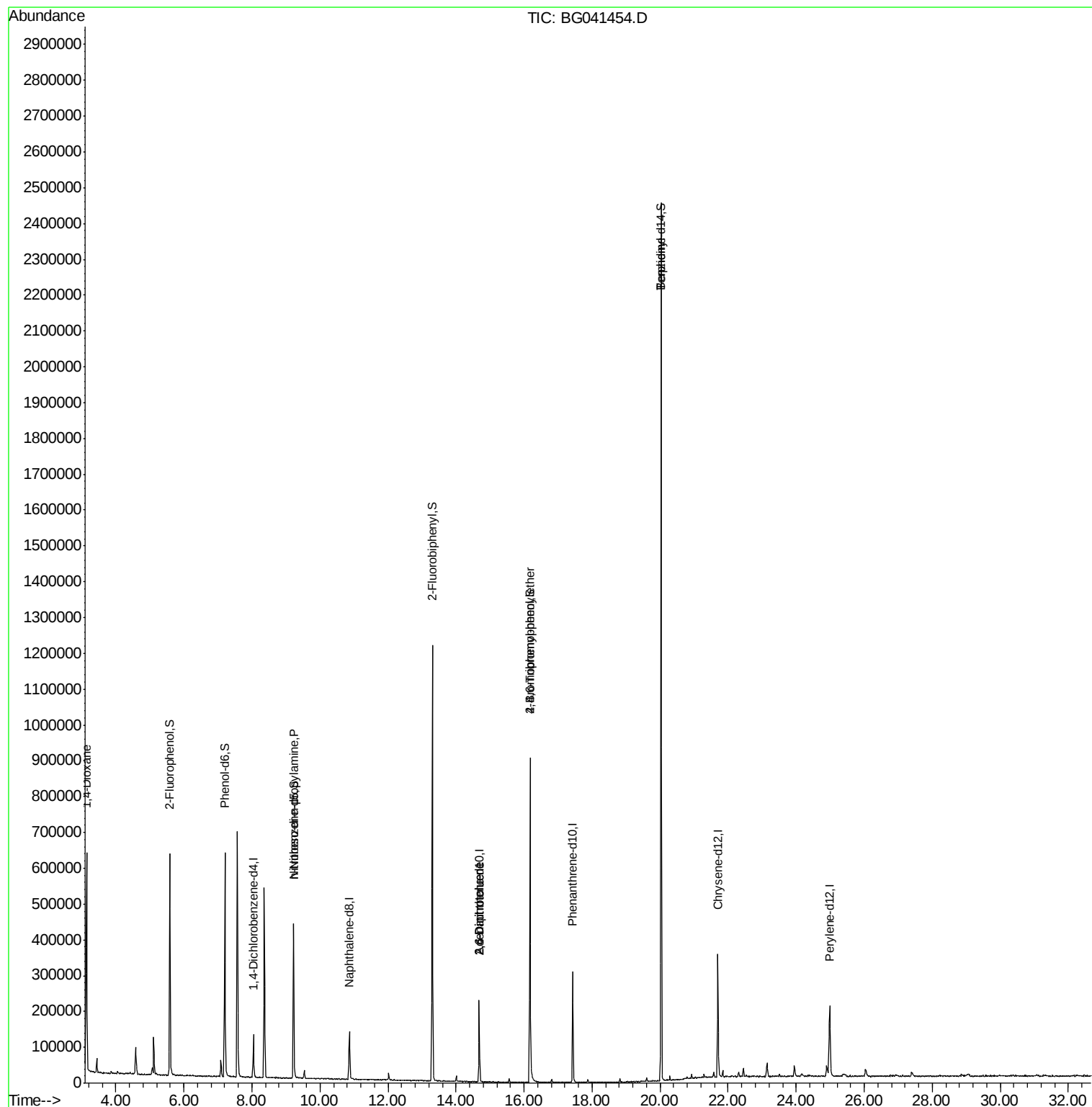
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	32619	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	114450	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	81711	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	211648	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	219577	20.00	ng	-0.04
87) Perylene-d12	24.99	264	231152	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	245436	138.25	ng	-0.03
7) Phenol-d6	7.20	99	322610	125.37	ng	-0.03
23) Nitrobenzene-d5	9.22	82	264830	97.32	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	186133	148.38	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	616078	102.48	ng	-0.04
79) Terphenyl-d14	20.03	244	1175711	106.11	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	6476	7.275	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	37856	18.189	ng	# 78
51) 2,6-Dinitrotoluene	14.68	165	10665	6.957	ng	# 15
57) 2,4-Dinitrotoluene	14.68	165	10665	4.759	ng	# 18
67) 4-Bromophenyl-phenylether	16.17	248	13237	4.837	ng	# 1
77) Benzidine	20.03	184	19694	3.708	ng	# 93

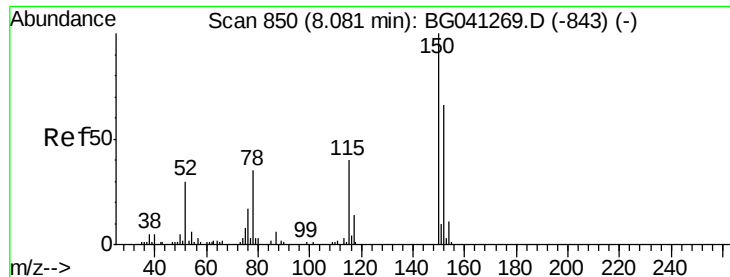
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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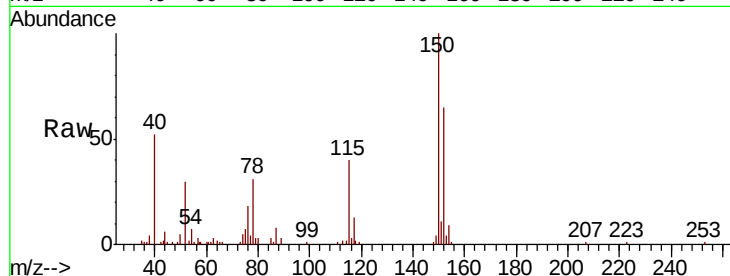


#1

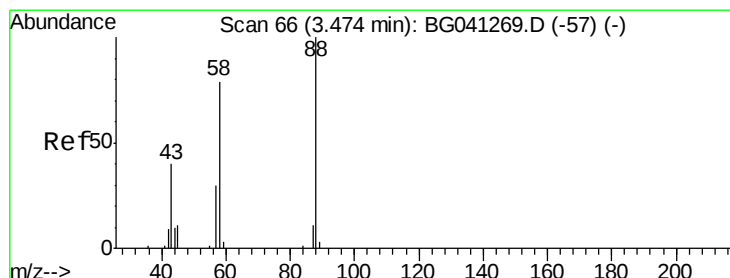
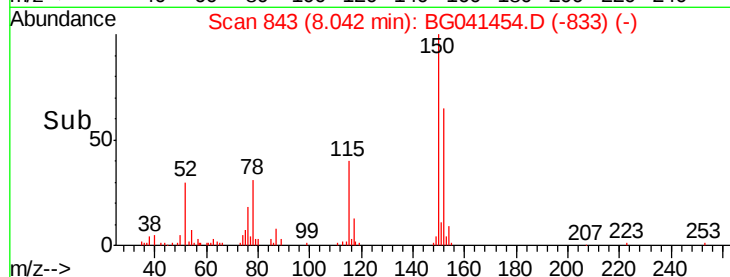
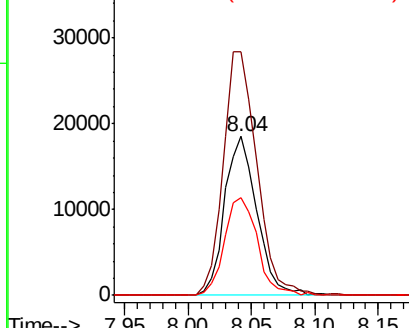
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041454.D
Acq: 25 Jun 2019 21:34

Instrument :
BNA_G
ClientSampleId :
SOILS-2

Tgt Ion:152 Resp: 32619
Ion Ratio Lower Upper
152 100
150 153.5 120.6 181.0
115 61.8 47.9 71.9



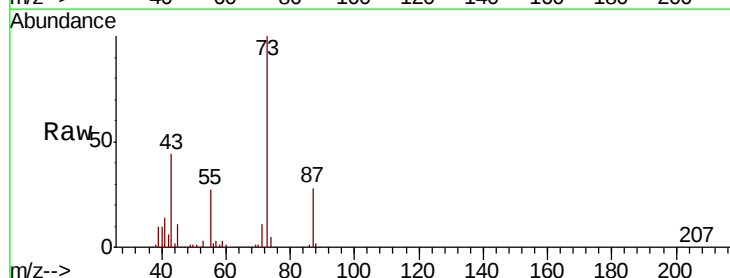
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



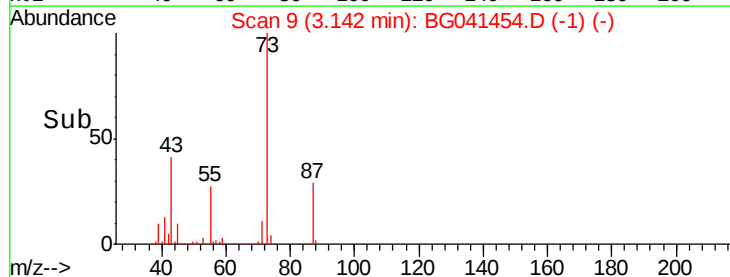
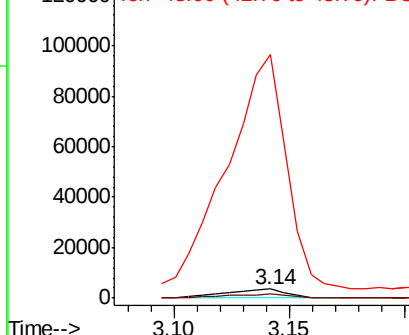
#2

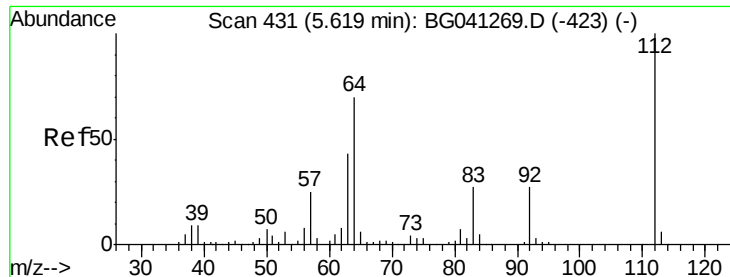
1,4-Dioxane
Concen: 7.275 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG041454.D
Acq: 25 Jun 2019 21:34

Tgt Ion: 88 Resp: 6476
Ion Ratio Lower Upper
88 100
58 33.9 59.7 89.5#
43 2451.3 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: 138.253 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.03 min

Lab File: BG041454.D

Acq: 25 Jun 2019 21:34

Instrument :

BNA_G

ClientSampleId :

SOILS-2

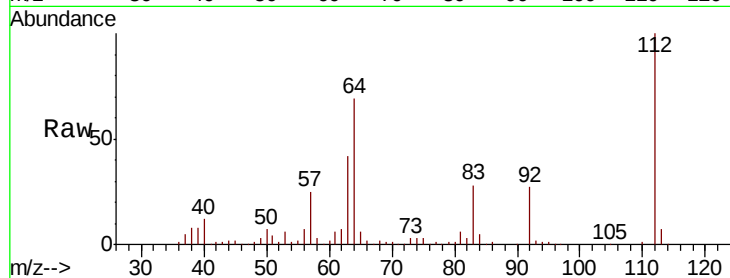
Tgt Ion: 112 Resp: 245436

Ion Ratio Lower Upper

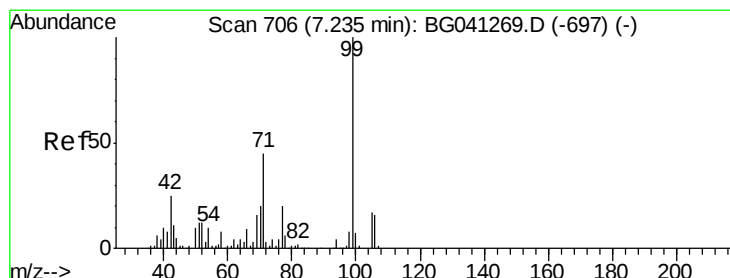
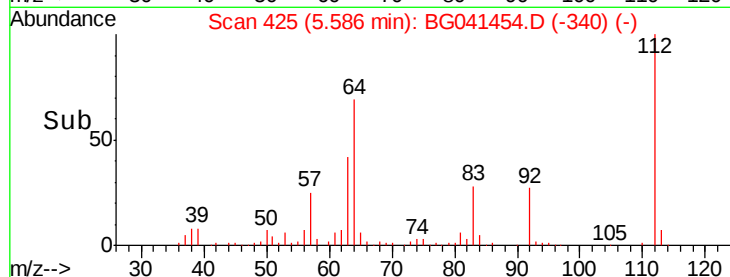
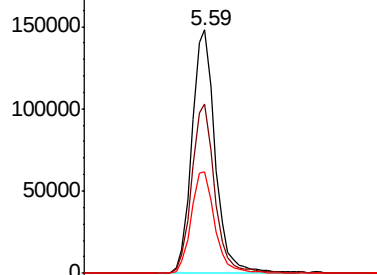
112 100

64 69.4 55.9 83.9

63 41.7 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: 125.370 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041454.D

Acq: 25 Jun 2019 21:34

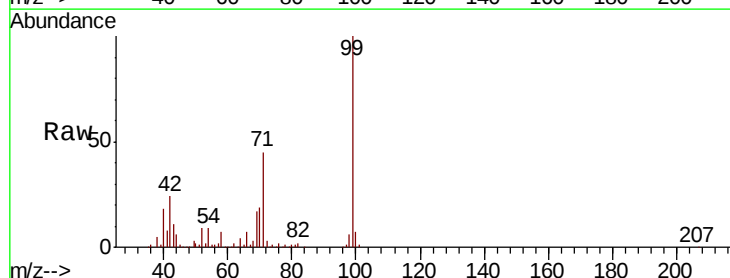
Tgt Ion: 99 Resp: 322610

Ion Ratio Lower Upper

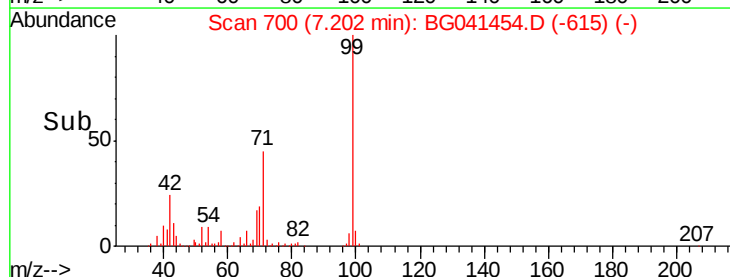
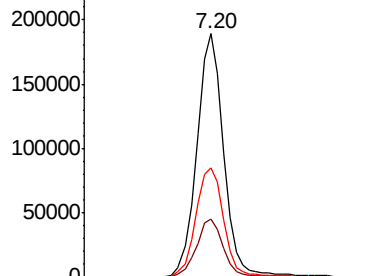
99 100

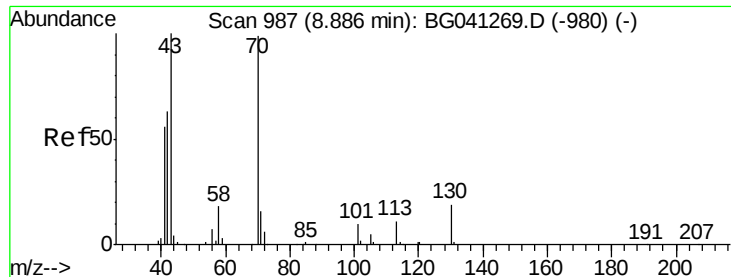
42 23.8 19.9 29.9

71 44.9 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

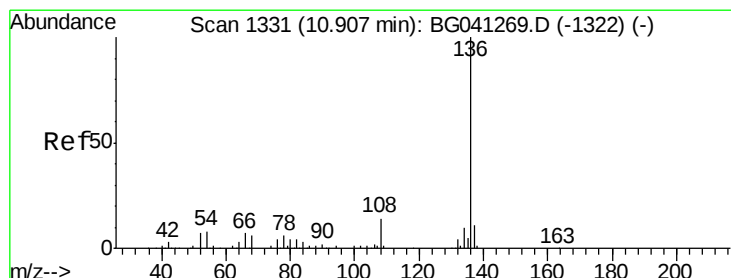
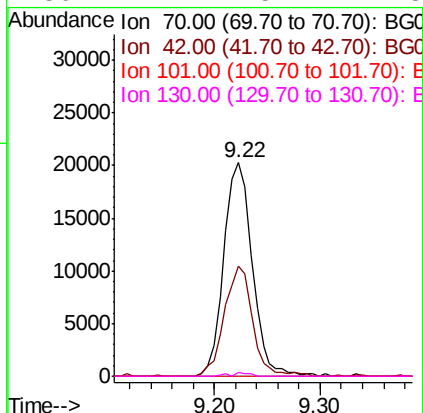
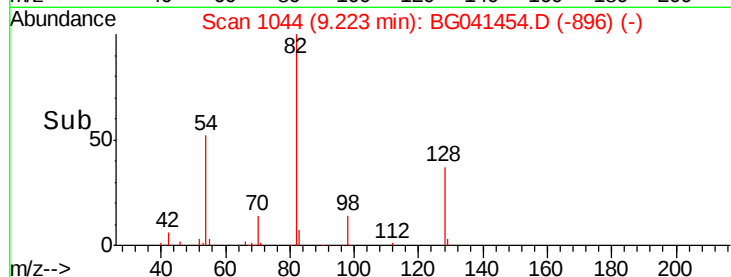
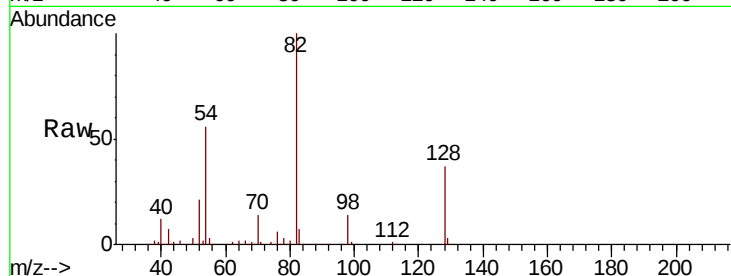




#19
n-Nitroso-di-n-propylamine
Concen: 18.189 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG041454.D
Acq: 25 Jun 2019 21:34

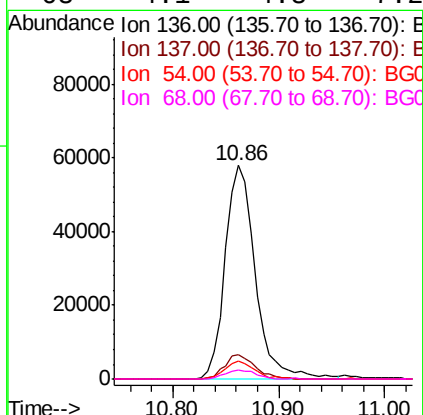
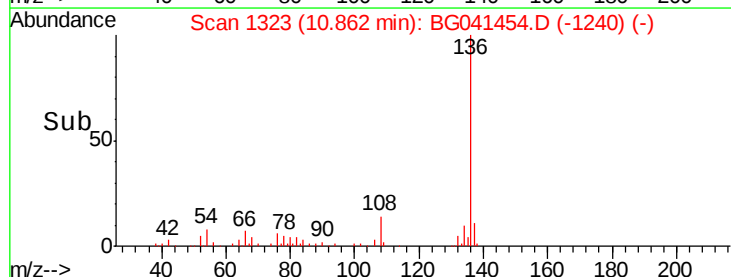
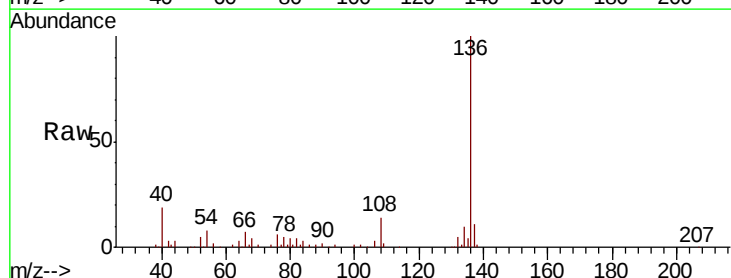
Instrument :
BNA_G
ClientSampleId :
SOILS-2

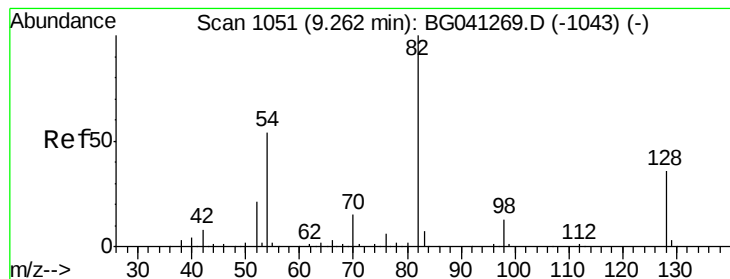
Tgt Ion: 70 Resp: 37856
Ion Ratio Lower Upper
70 100
42 51.8 51.4 77.2
101 0.0 8.2 12.2#
130 2.1 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.04 min
Lab File: BG041454.D
Acq: 25 Jun 2019 21:34

Tgt Ion: 136 Resp: 114450
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.3 6.4 9.6
68 4.1 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 97.315 ng

RT: 9.22 min Scan# 1044

Delta R.T. -0.04 min

Lab File: BG041454.D

Acq: 25 Jun 2019 21:34

Instrument :

BNA_G

ClientSampleId :

SOILS-2

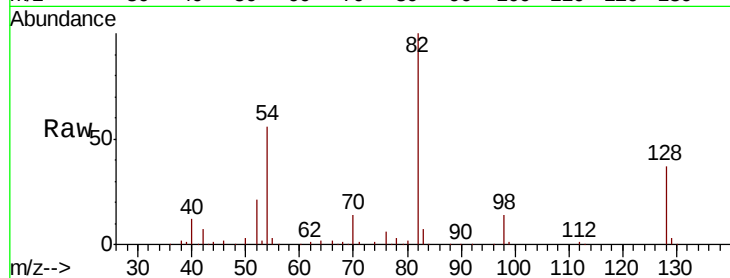
Tgt Ion: 82 Resp: 264830

Ion Ratio Lower Upper

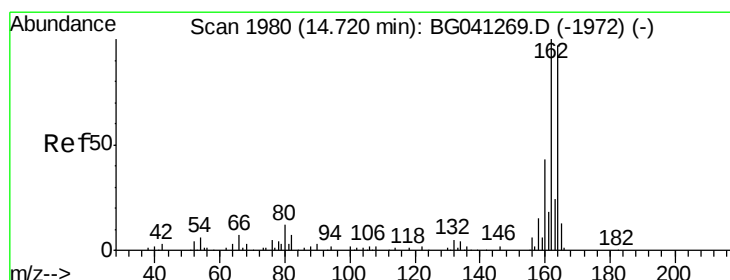
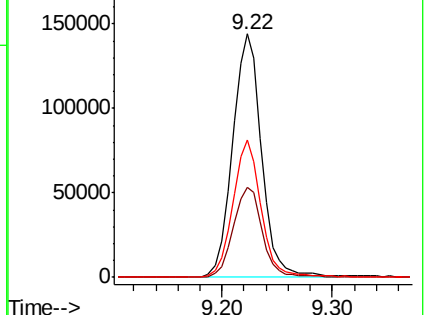
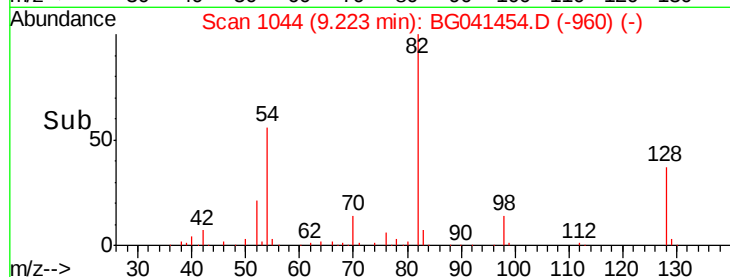
82 100

128 36.9 29.2 43.8

54 56.3 43.4 65.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.04 min

Lab File: BG041454.D

Acq: 25 Jun 2019 21:34

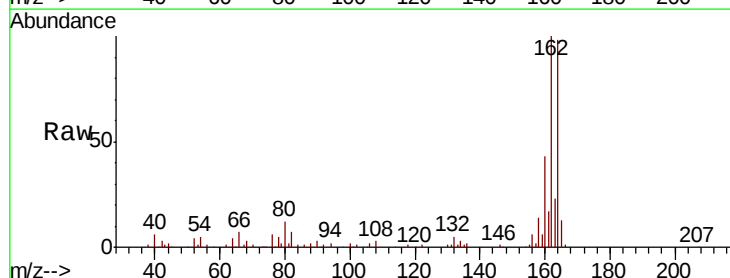
Tgt Ion: 164 Resp: 81711

Ion Ratio Lower Upper

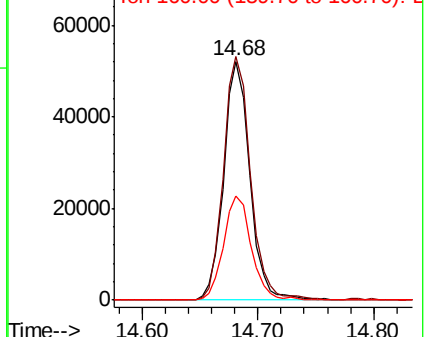
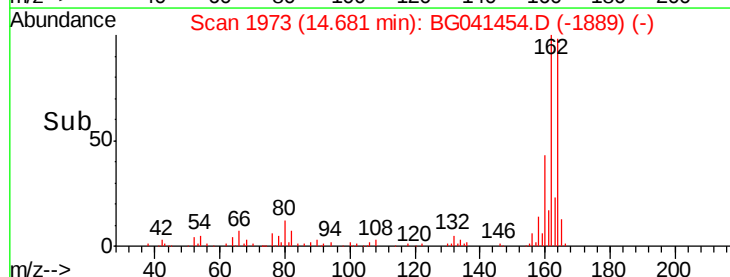
164 100

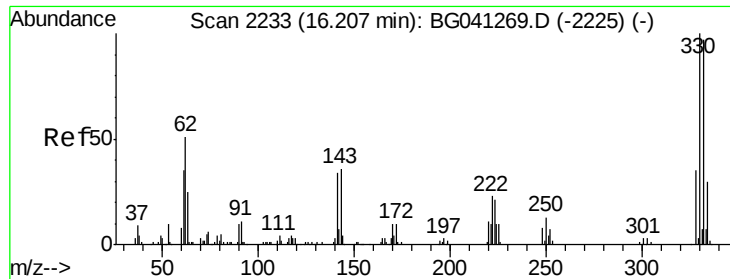
162 102.0 82.8 124.2

160 43.8 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

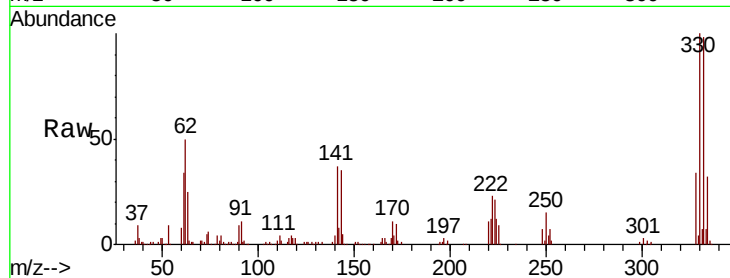




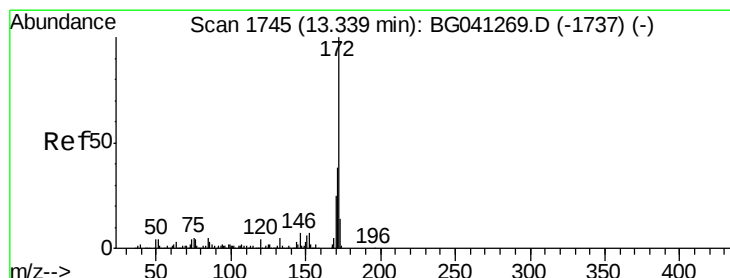
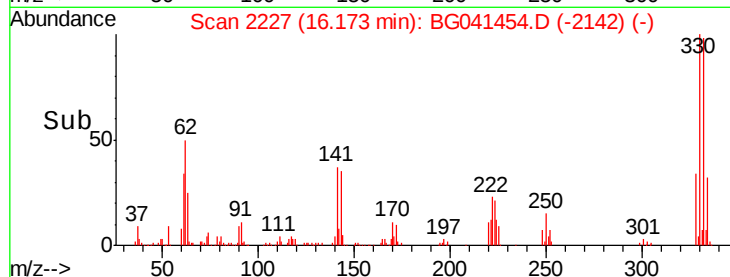
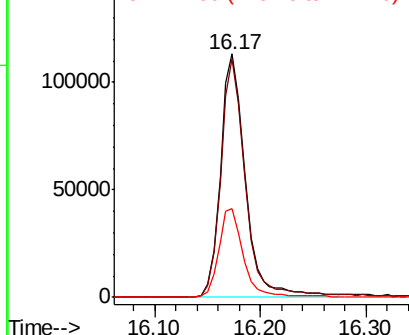
#42
 2,4,6-Tribromophenol
 Concen: 148.379 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.03 min
 Lab File: BG041454.D
 Acq: 25 Jun 2019 21:34

Instrument :
 BNA_G
 ClientSampleId :
 SOILS-2

Tgt Ion:330 Resp: 186133
 Ion Ratio Lower Upper
 330 100
 332 97.9 75.5 113.3
 141 36.8 29.0 43.4

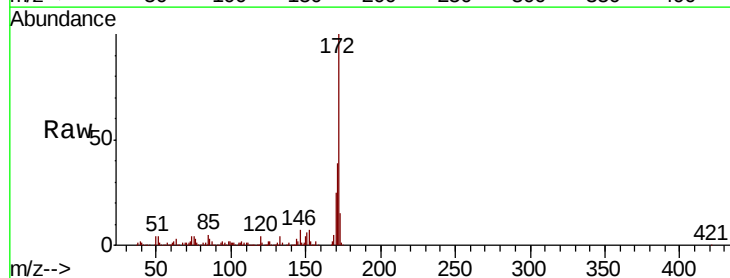


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

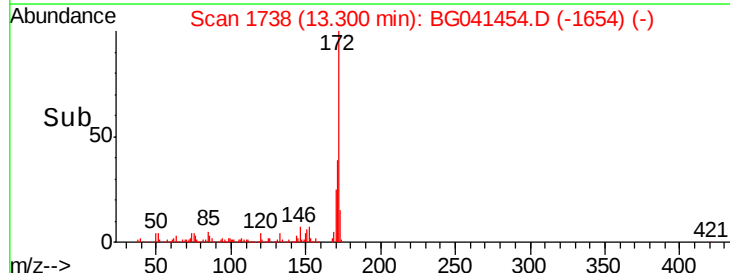
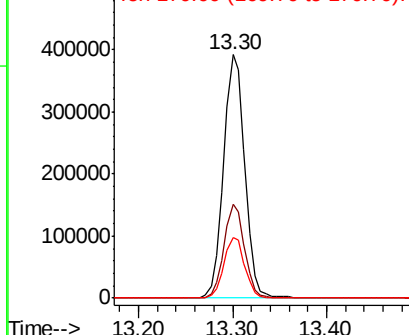


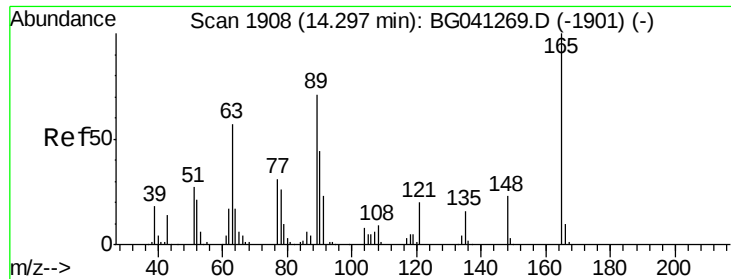
#45
 2-Fluorobiphenyl
 Concen: 102.477 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.04 min
 Lab File: BG041454.D
 Acq: 25 Jun 2019 21:34

Tgt Ion:172 Resp: 616078
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 25.1 19.8 29.6



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

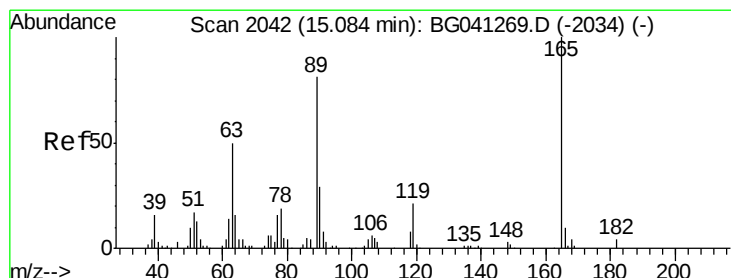
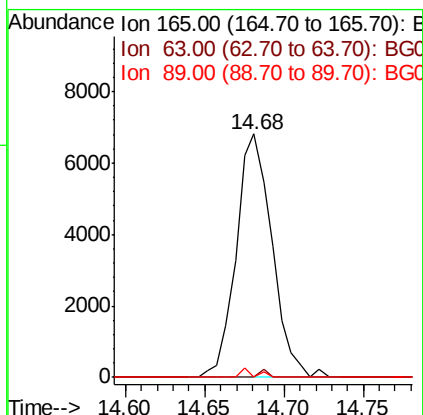
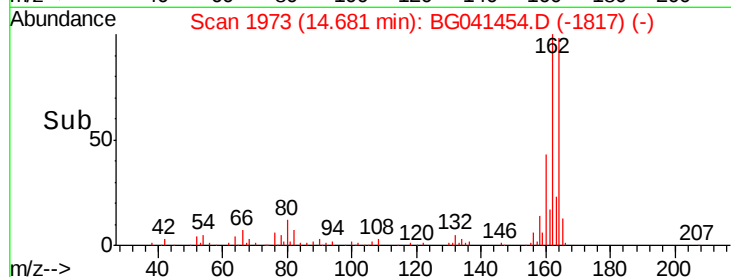
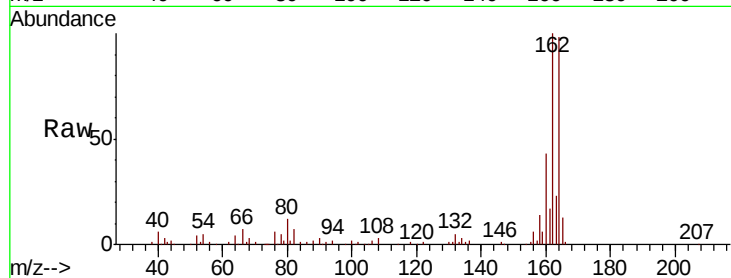




#51
2,6-Dinitrotoluene
Concen: 6.957 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.38 min
Lab File: BG041454.D
Acq: 25 Jun 2019 21:34

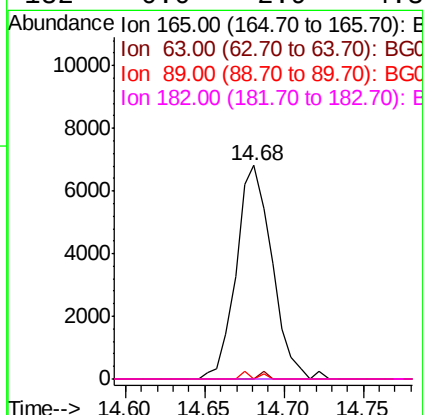
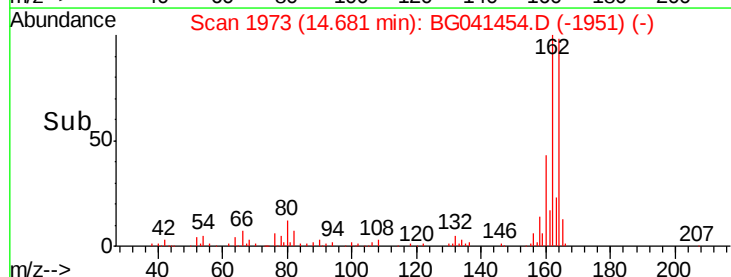
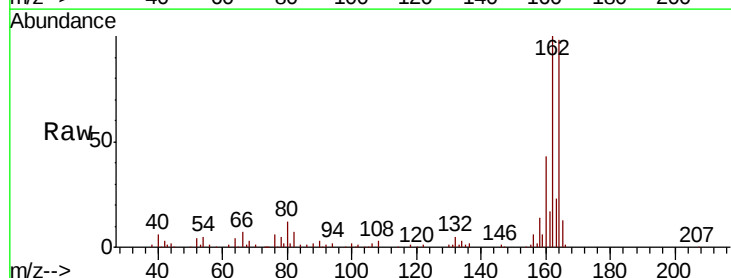
Instrument :
BNA_G
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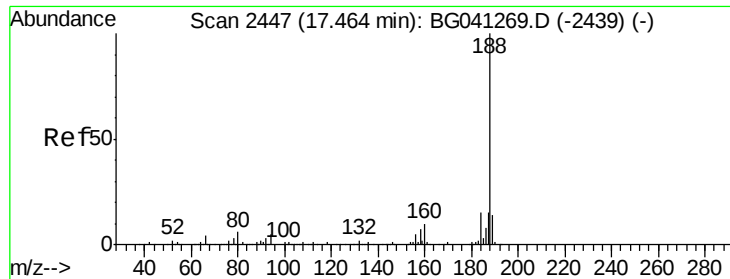
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	0.0	56.5	84.7#



#57
2,4-Dinitrotoluene
Concen: 4.759 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.40 min
Lab File: BG041454.D
Acq: 25 Jun 2019 21:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	0.0	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: BG041454.D

Acq: 25 Jun 2019 21:34

Instrument :

BNA_G

ClientSampleId :

SOILS-2

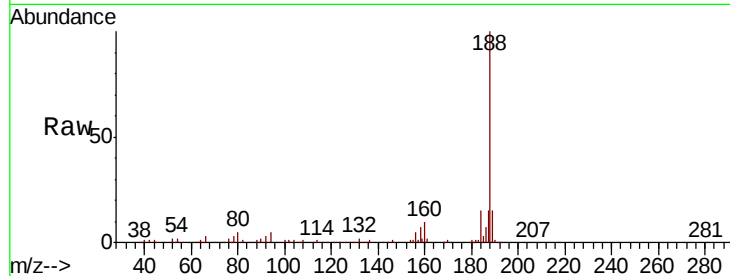
Tgt Ion:188 Resp: 211648

Ion Ratio Lower Upper

188 100

94 4.5 3.6 5.4

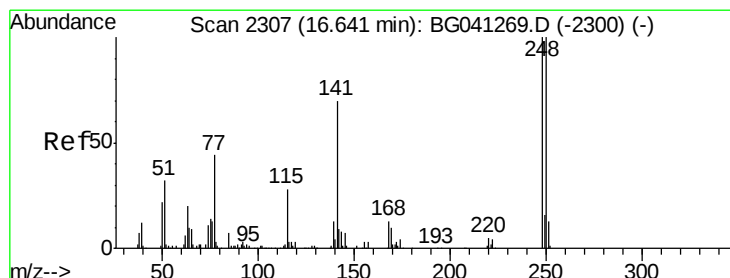
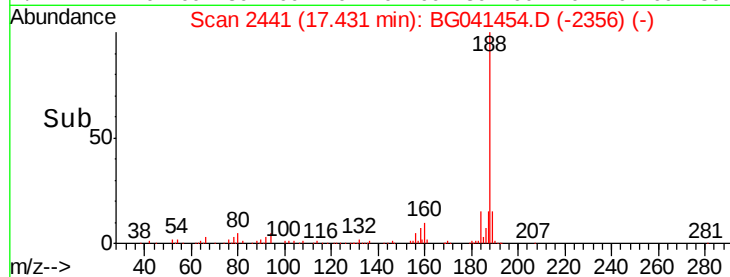
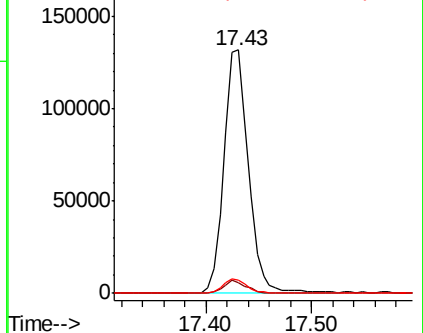
80 5.5 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 4.837 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.47 min

Lab File: BG041454.D

Acq: 25 Jun 2019 21:34

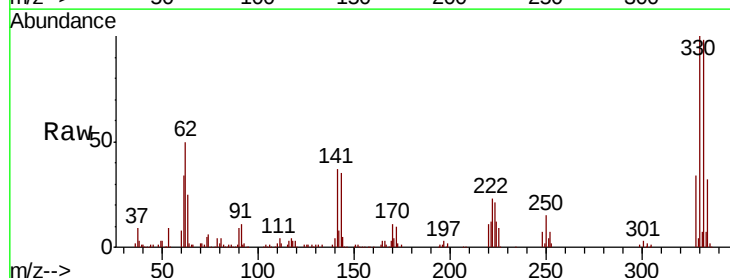
Tgt Ion:248 Resp: 13237

Ion Ratio Lower Upper

248 100

250 224.4 79.8 119.8#

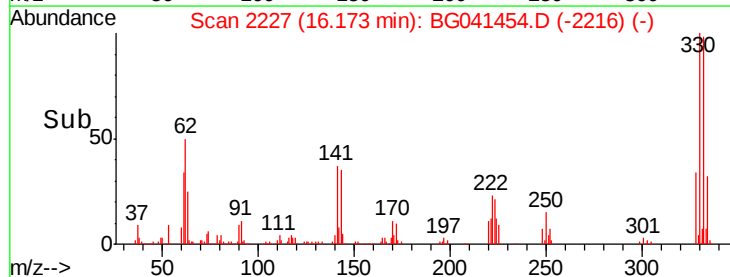
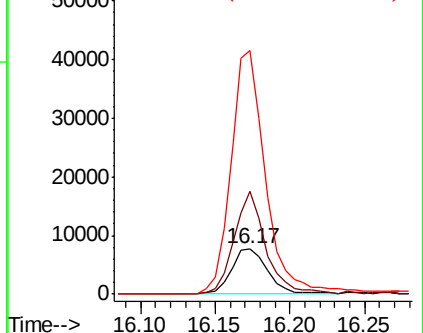
141 532.4 55.8 83.6#

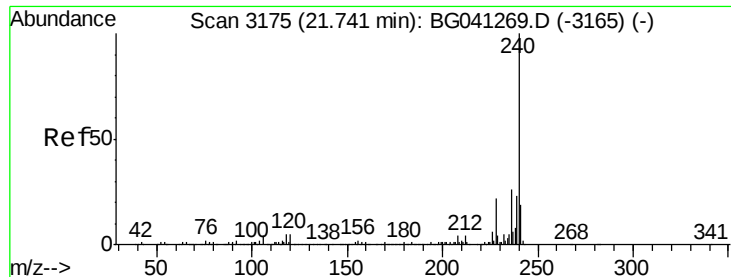


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

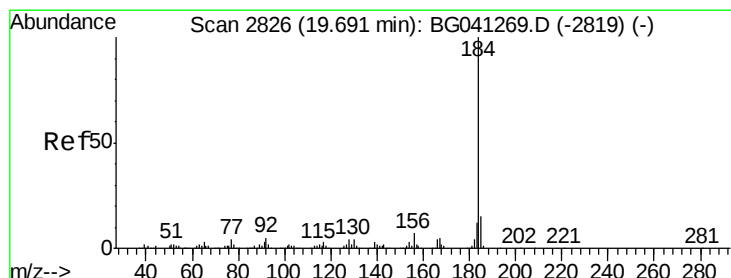
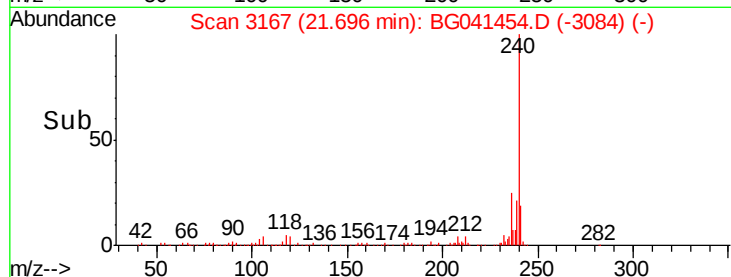
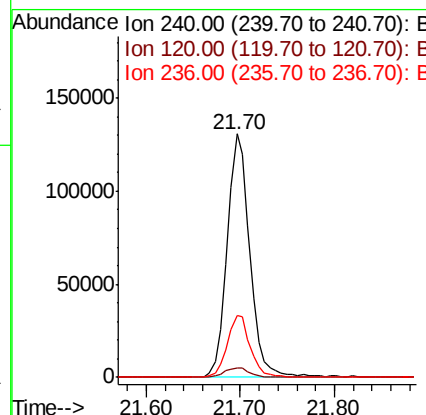
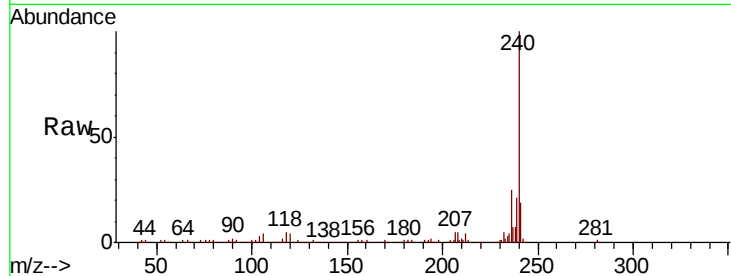




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.04 min
Lab File: BG041454.D
Acq: 25 Jun 2019 21:34

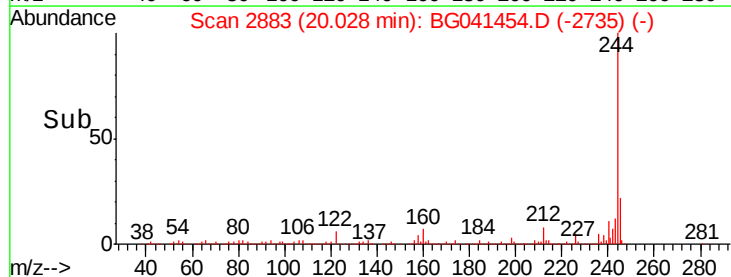
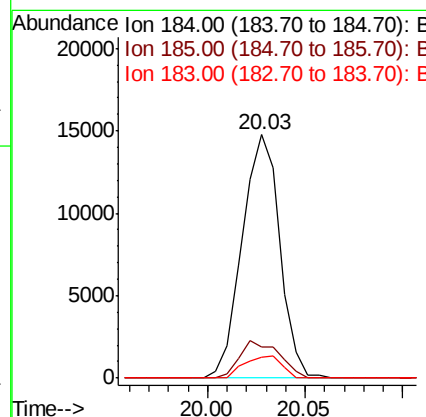
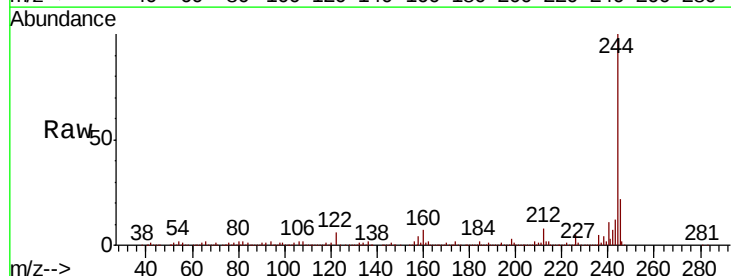
Instrument :
BNA_G
ClientSampleId :
SOILS-2

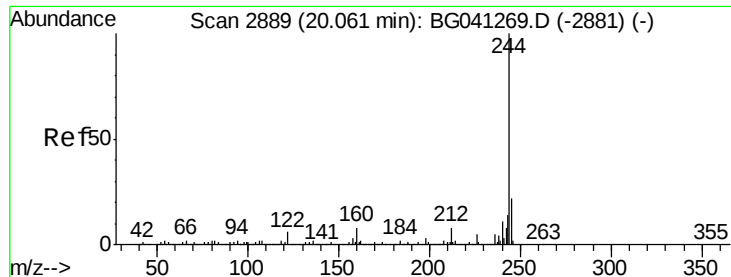
Tgt Ion:240 Resp: 219577
Ion Ratio Lower Upper
240 100
120 4.0 3.7 5.5
236 25.2 21.1 31.7



#77
Benzidine
Concen: 3.708 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.34 min
Lab File: BG041454.D
Acq: 25 Jun 2019 21:34

Tgt Ion:184 Resp: 19694
Ion Ratio Lower Upper
184 100
185 12.7 12.2 18.2
183 8.6 9.6 14.4#





#79

Terphenyl-d14

Concen: 106.114 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041454.D

Acq: 25 Jun 2019 21:34

Instrument :

BNA_G

ClientSampleId :

SOILS-2

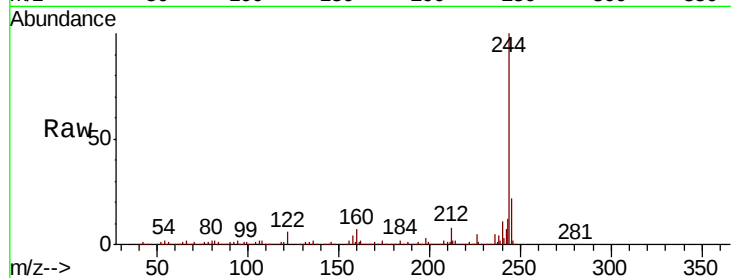
Tgt Ion:244 Resp: 1175711

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

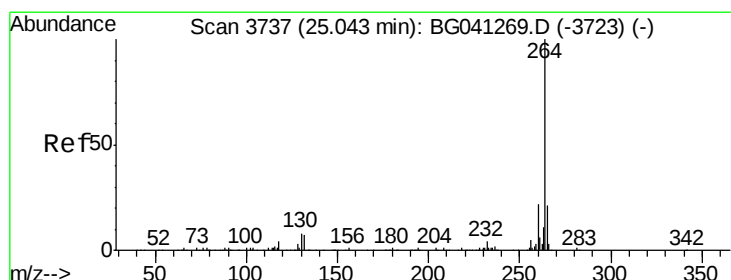
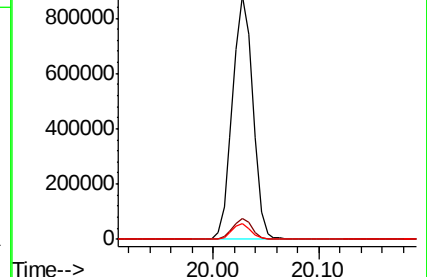
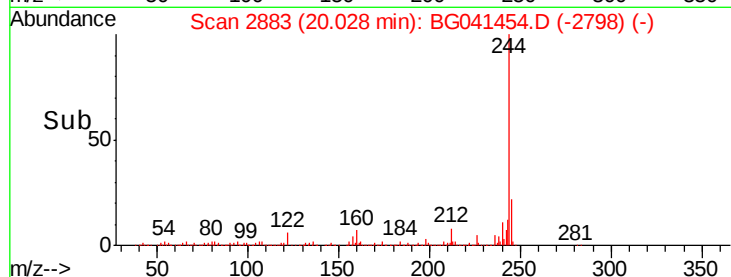
122 6.5 5.0 7.4



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: BG041454.D

Acq: 25 Jun 2019 21:34

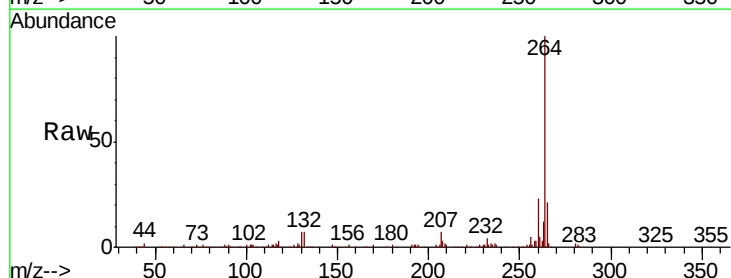
Tgt Ion:264 Resp: 231152

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.2

265 21.3 17.2 25.8



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

