

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041452.D
 Acq On : 25 Jun 2019 20:18
 Operator : HP/JU
 Sample : K3475-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILS-4

Quant Time: Jun 26 04:21:42 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

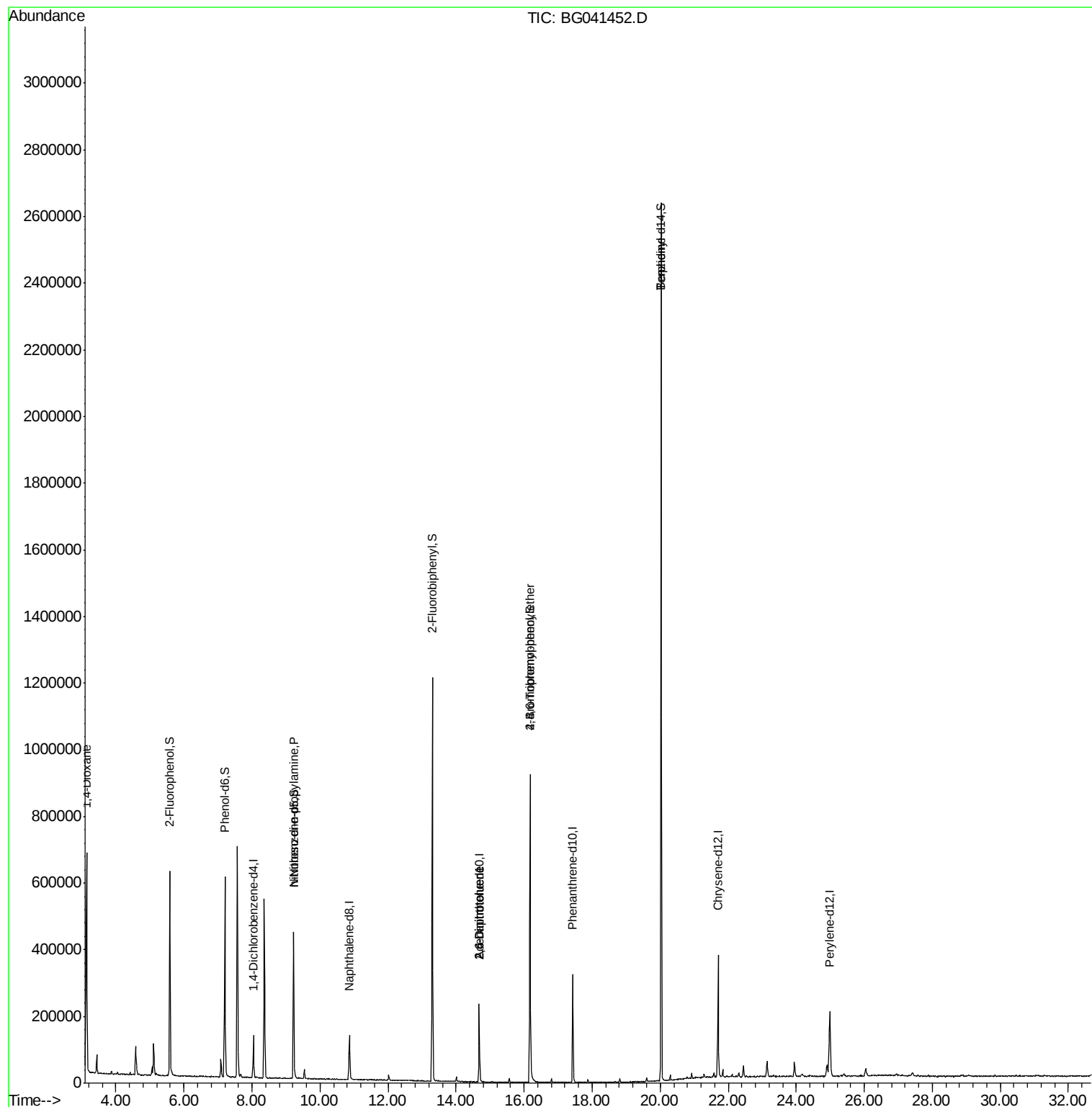
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	33961	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	114807	20.00	ng	-0.05
39) Acenaphthene-d10	14.68	164	83169	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	213017	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	223962	20.00	ng	-0.04
87) Perylene-d12	24.99	264	242430	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	243487	131.74	ng	-0.03
7) Phenol-d6	7.20	99	315926	117.92	ng	-0.03
23) Nitrobenzene-d5	9.22	82	267894	98.14	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	188038	147.27	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	614494	100.42	ng	-0.03
79) Terphenyl-d14	20.03	244	1195792	105.81	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	7168	7.734	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	38964	17.982	ng	# 75
51) 2,6-Dinitrotoluene	14.68	165	10891	6.980	ng	# 17
57) 2,4-Dinitrotoluene	14.68	165	10891	4.775	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	13482	4.895	ng	# 1
77) Benzidine	20.03	184	20581	3.799	ng	# 97

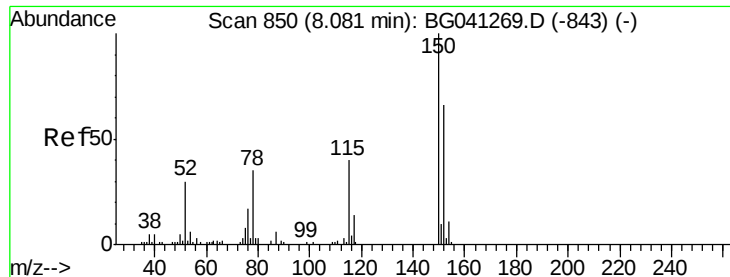
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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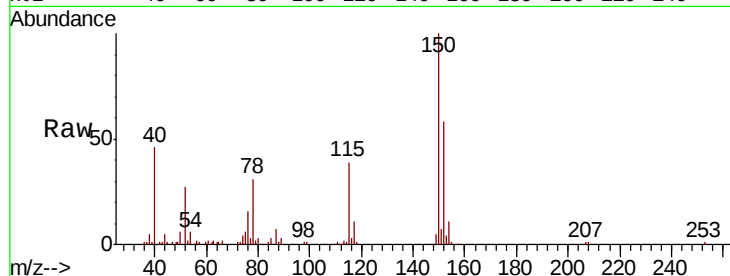


#1

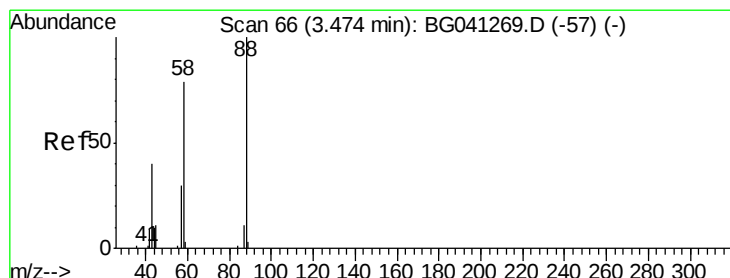
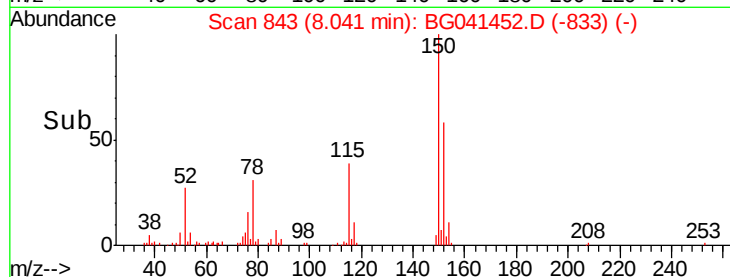
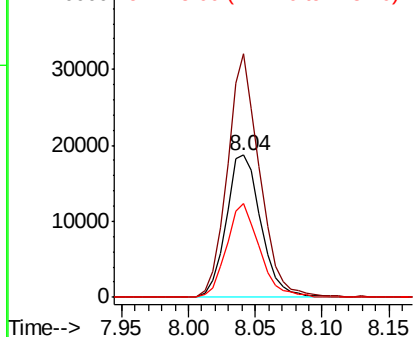
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Instrument :
BNA_G
ClientSampleId :
SOILS-4

Tgt Ion:152 Resp: 33961
Ion Ratio Lower Upper
152 100
150 171.3 120.6 181.0
115 66.4 47.9 71.9



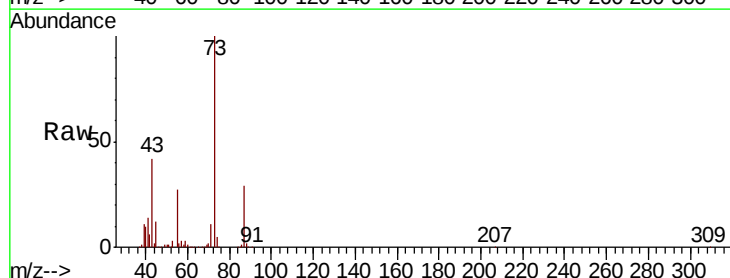
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



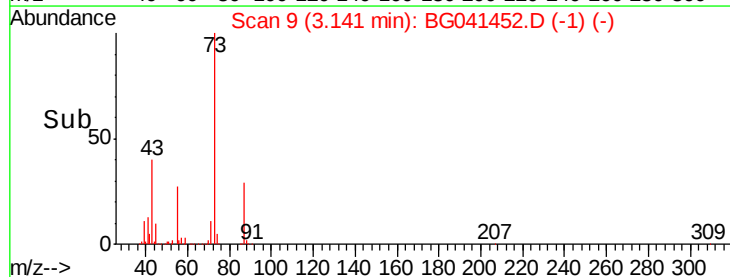
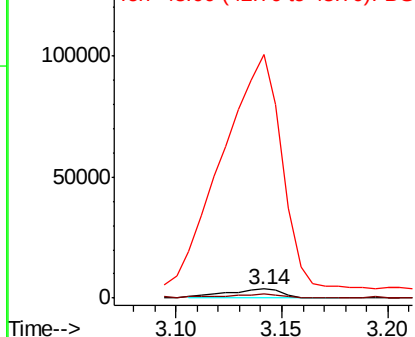
#2

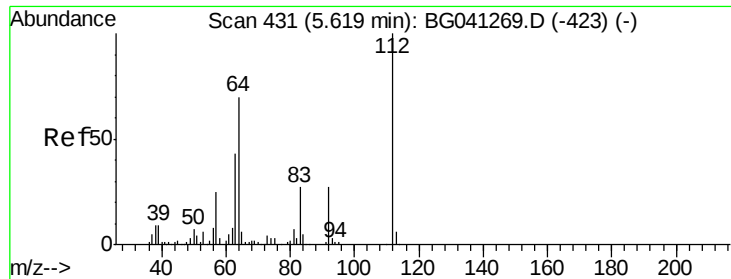
1,4-Dioxane
Concen: 7.734 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Tgt Ion: 88 Resp: 7168
Ion Ratio Lower Upper
88 100
58 35.1 59.7 89.5#
43 2538.5 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: 131.735 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.03 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Instrument :

BNA_G

ClientSampleId :

SOILS-4

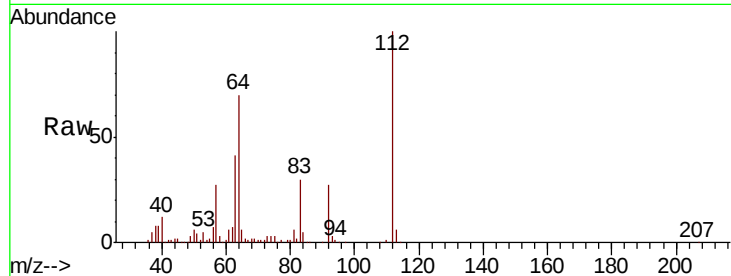
Tgt Ion: 112 Resp: 243487

Ion Ratio Lower Upper

112 100

64 69.7 55.9 83.9

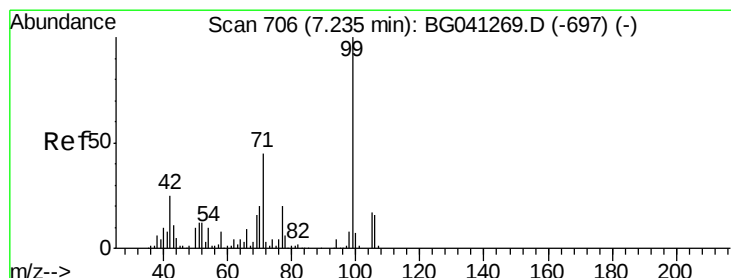
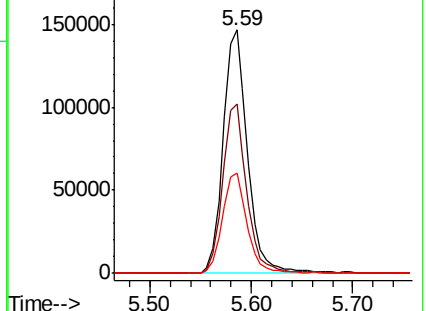
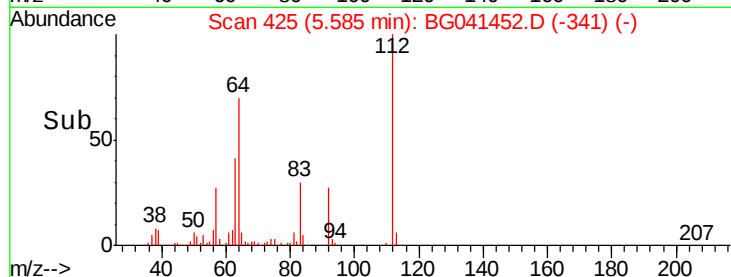
63 41.1 34.6 51.8



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: 117.921 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

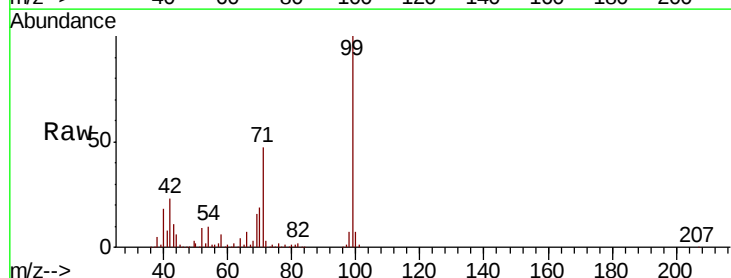
Tgt Ion: 99 Resp: 315926

Ion Ratio Lower Upper

99 100

42 23.1 19.9 29.9

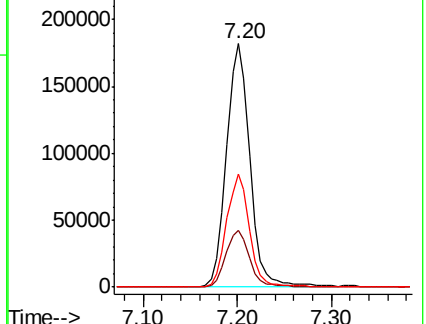
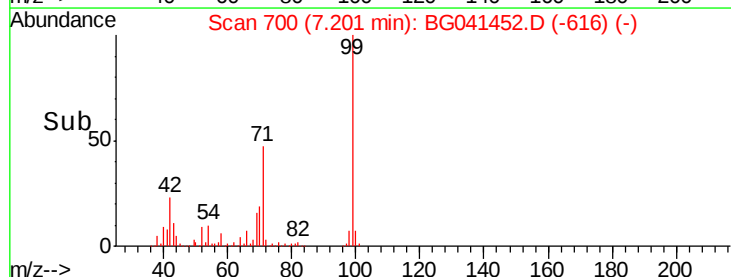
71 46.6 36.4 54.6

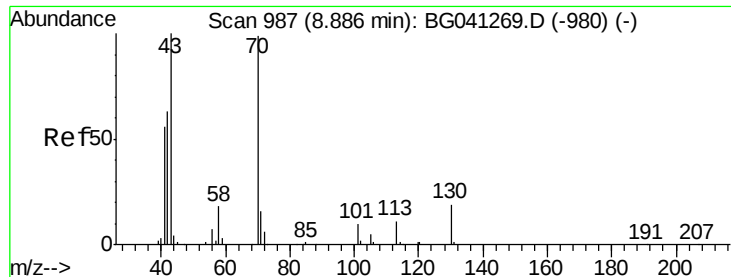


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

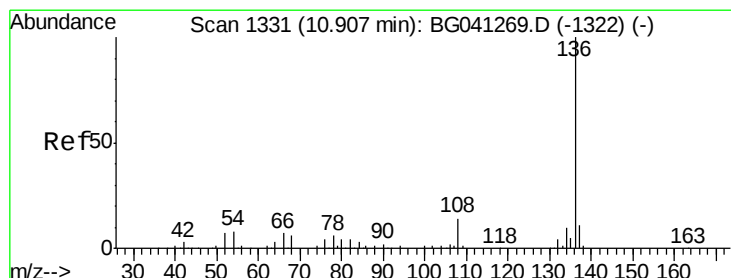
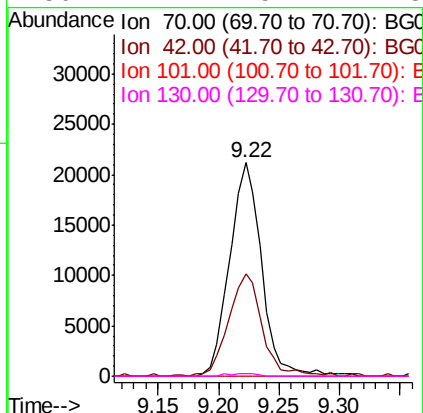
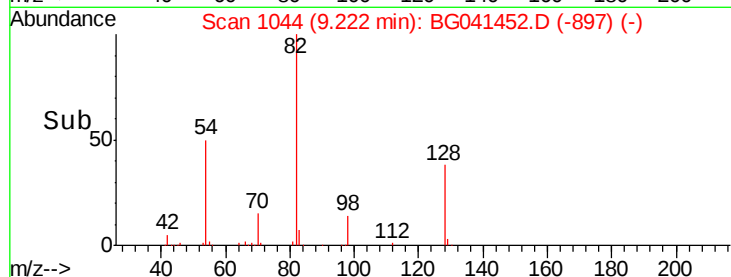
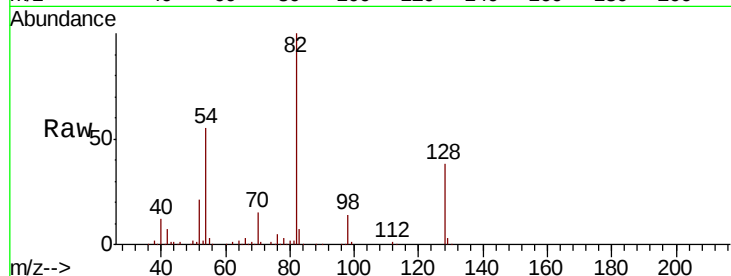




#19
n-Nitroso-di-n-propylamine
Concen: 17.982 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

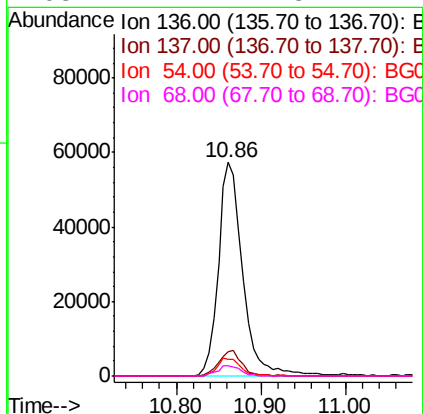
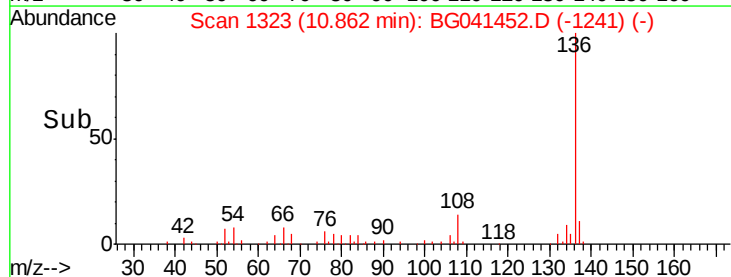
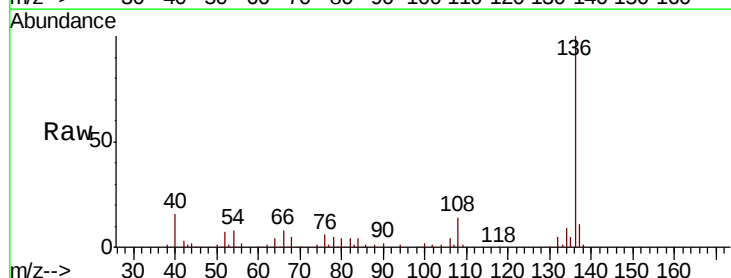
Instrument :
BNA_G
ClientSampleId :
SOILS-4

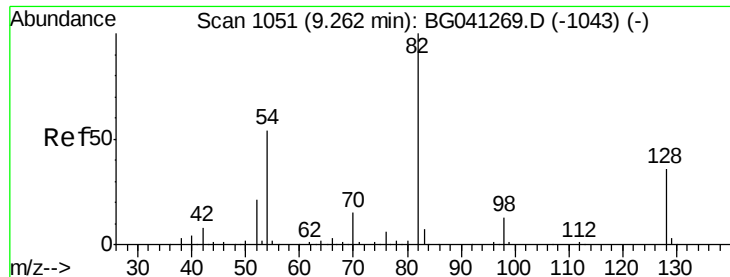
Tgt Ion: 70 Resp: 38964
Ion Ratio Lower Upper
70 100
42 48.1 51.4 77.2#
101 0.0 8.2 12.2#
130 1.1 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.05 min
Lab File: BG041452.D
Acq: 25 Jun 2019 20:18

Tgt Ion: 136 Resp: 114807
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.1 6.4 9.6
68 4.7 4.8 7.2#

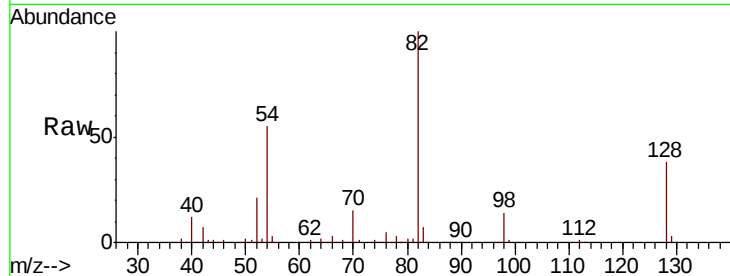




#23
 Nitrobenzene-d5
 Concen: 98.135 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.04 min
 Lab File: BG041452.D
 Acq: 25 Jun 2019 20:18

Instrument :
 BNA_G
 ClientSampleId :
 SOILS-4

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.3	29.2	43.8
54	54.9	43.4	65.0

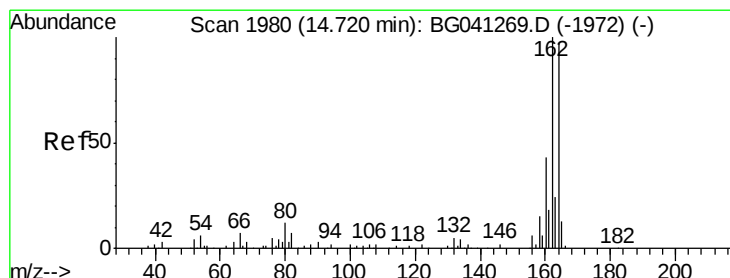
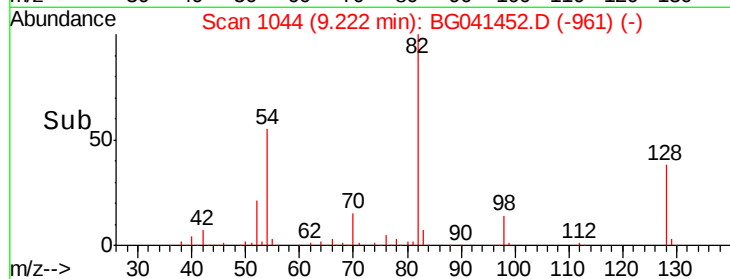
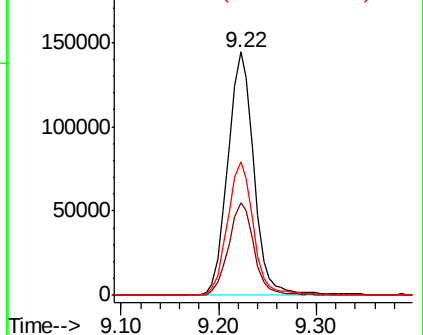


Abundance

Ion 82.00 (81.70 to 82.70): BGC

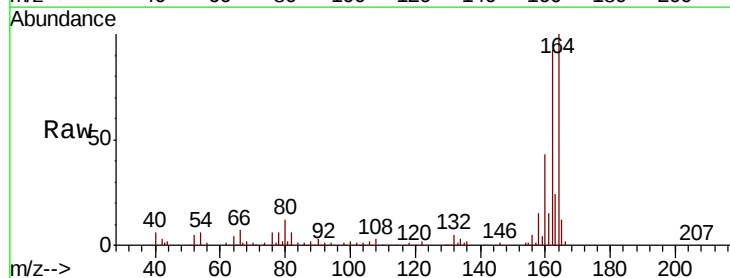
Ion 128.00 (127.70 to 128.70): BGC

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: BG041452.D
 Acq: 25 Jun 2019 20:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.7	82.8	124.2
160	43.2	35.8	53.8

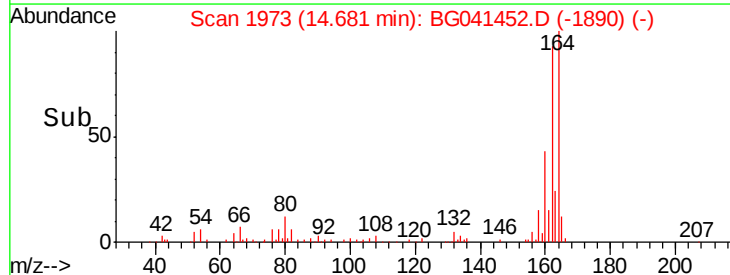
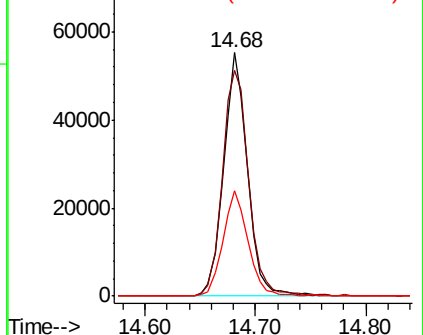


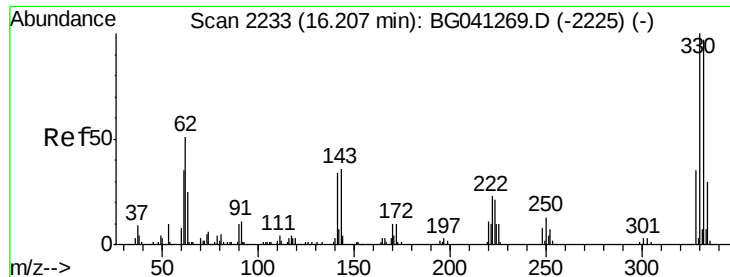
Abundance

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

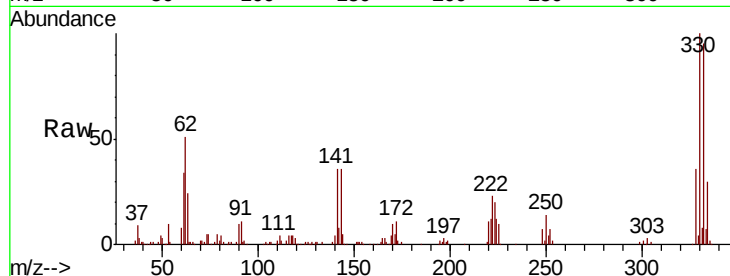




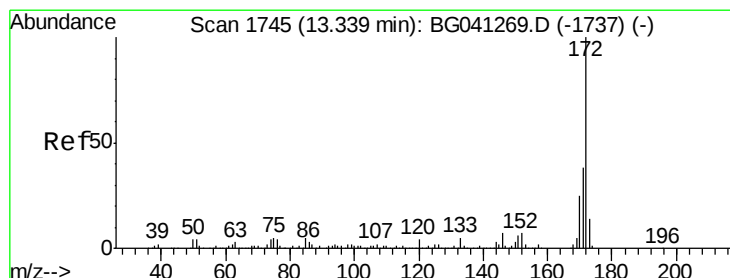
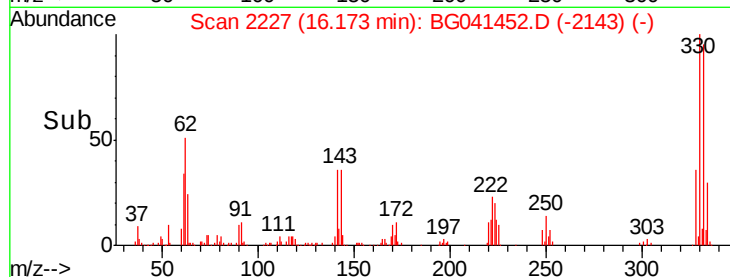
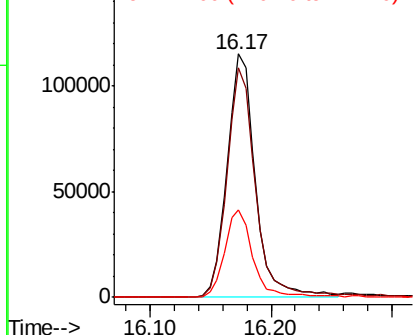
#42
 2,4,6-Tribromophenol
 Concen: 147.270 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.03 min
 Lab File: BG041452.D
 Acq: 25 Jun 2019 20:18

Instrument :
 BNA_G
 ClientSampleID :
 SOILS-4

Tgt Ion:330 Resp: 188038
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.5 113.3
 141 36.2 29.0 43.4

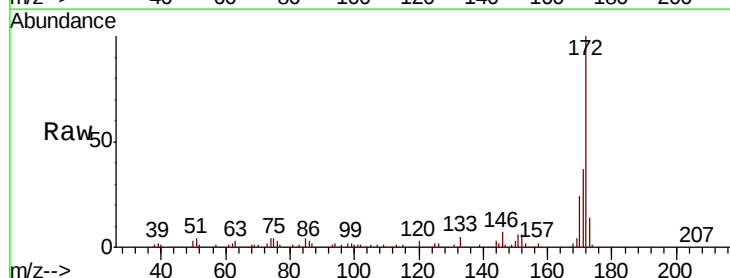


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

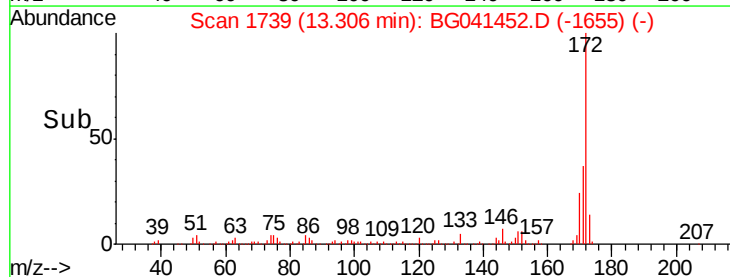
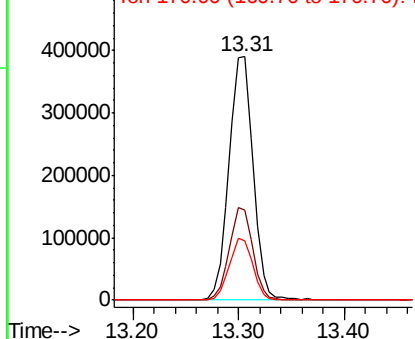


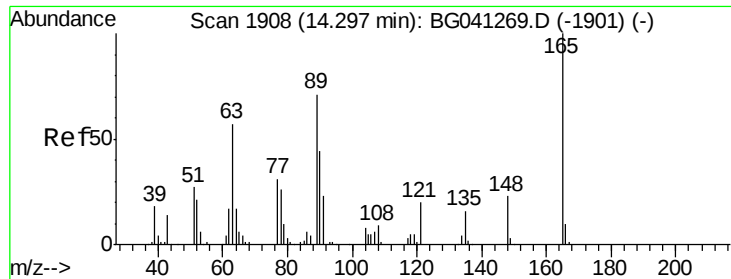
#45
 2-Fluorobiphenyl
 Concen: 100.421 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041452.D
 Acq: 25 Jun 2019 20:18

Tgt Ion:172 Resp: 614494
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 24.2 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: 6.980 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.38 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Instrument :

BNA_G

ClientSampleId :

SOILS-4

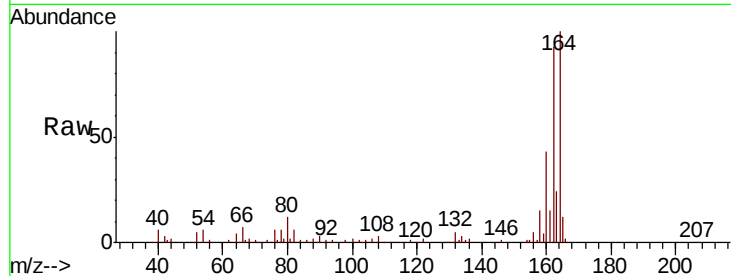
Tgt Ion:165 Resp: 10891

Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.0#

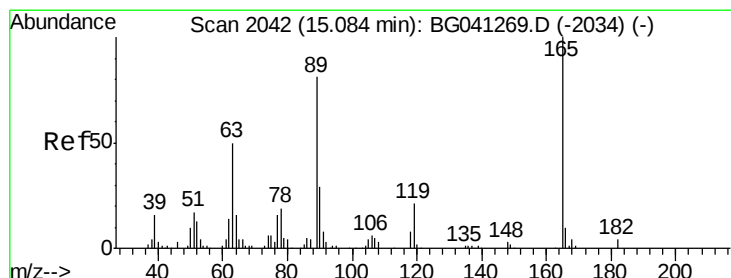
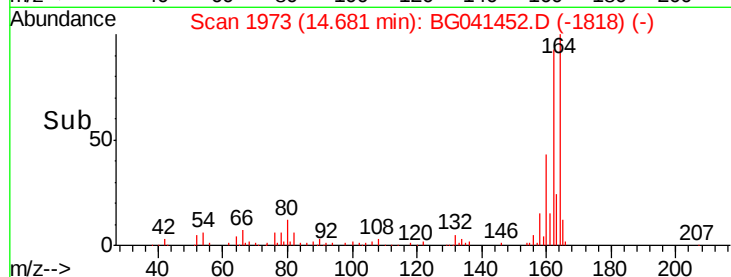
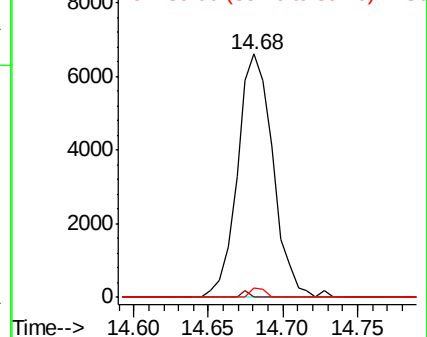
89 3.8 56.5 84.7#



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



#57

2,4-Dinitrotoluene

Concen: 4.775 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.40 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Tgt Ion:165 Resp: 10891

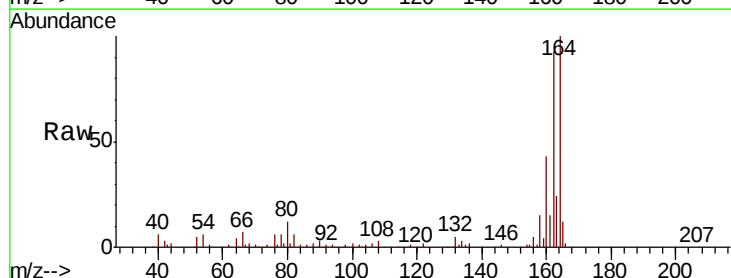
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 3.8 64.6 96.8#

182 0.0 2.9 4.3#

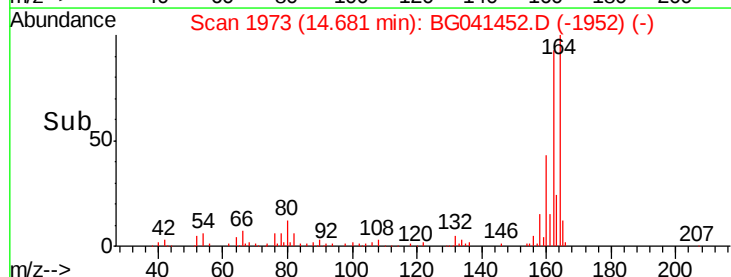
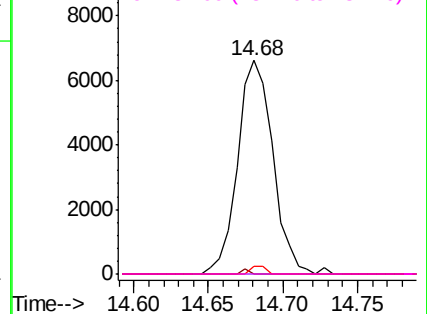


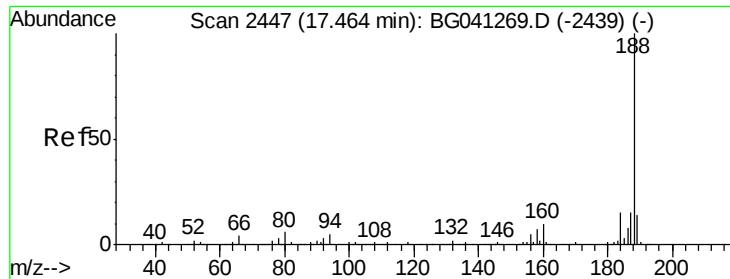
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Instrument :

BNA_G

ClientSampleId :

SOILS-4

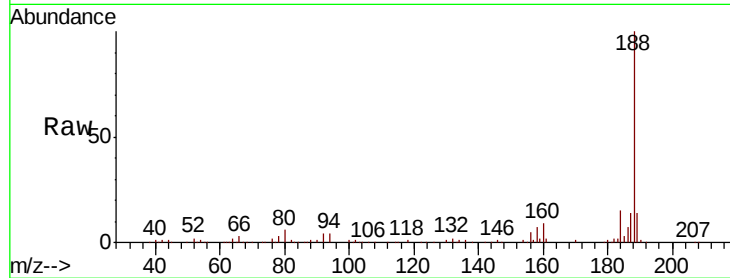
Tgt Ion:188 Resp: 213017

Ion Ratio Lower Upper

188 100

94 4.4 3.6 5.4

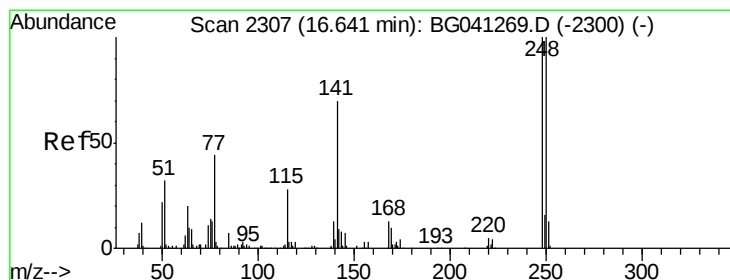
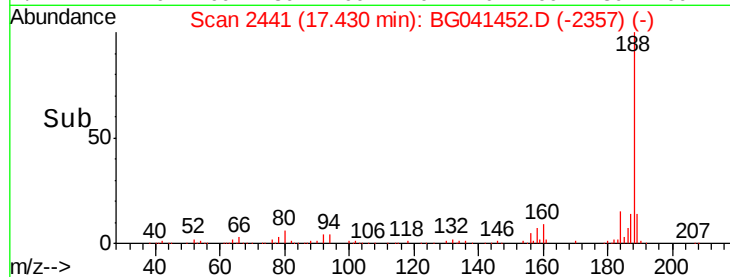
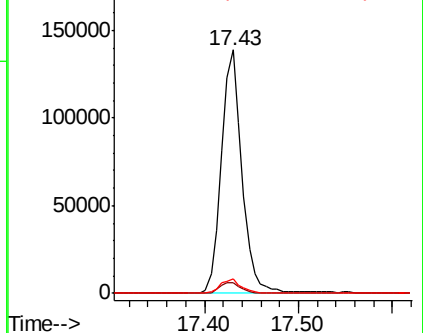
80 5.9 4.8 7.2



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: 4.895 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.47 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

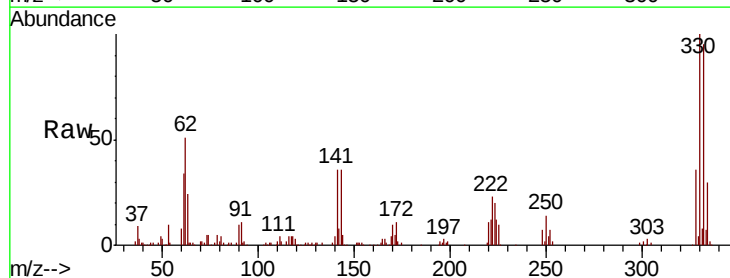
Tgt Ion:248 Resp: 13482

Ion Ratio Lower Upper

248 100

250 198.9 79.8 119.8#

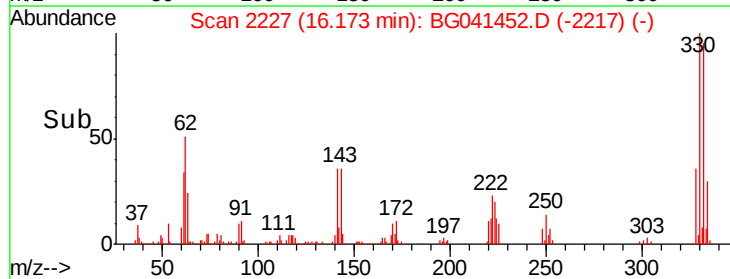
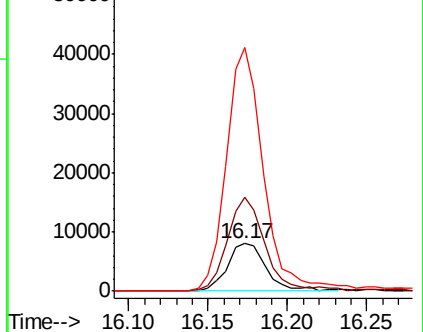
141 515.7 55.8 83.6#

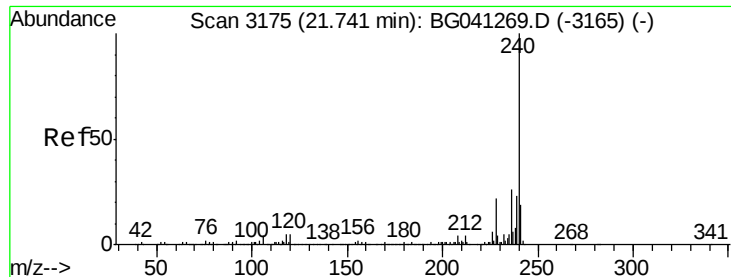


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG041452.D

Acq: 25 Jun 2019 20:18

Instrument :

BNA_G

ClientSampleId :

SOILS-4

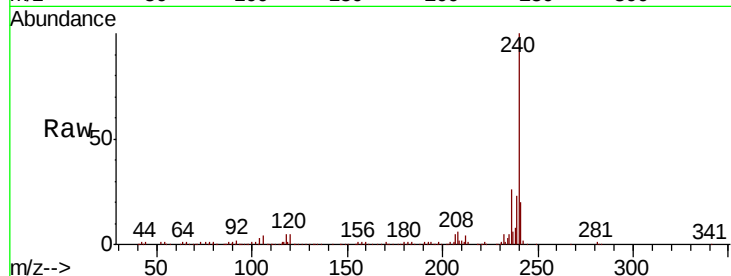
Tgt Ion:240 Resp: 223962

Ion Ratio Lower Upper

240 100

120 4.8 3.7 5.5

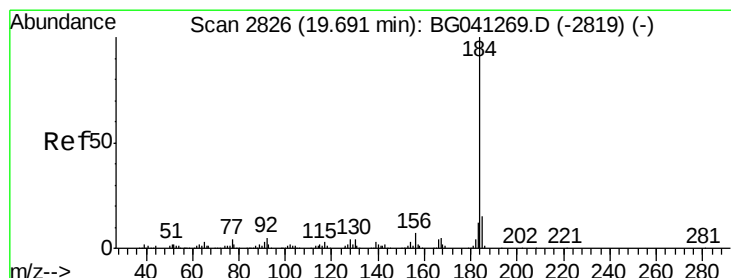
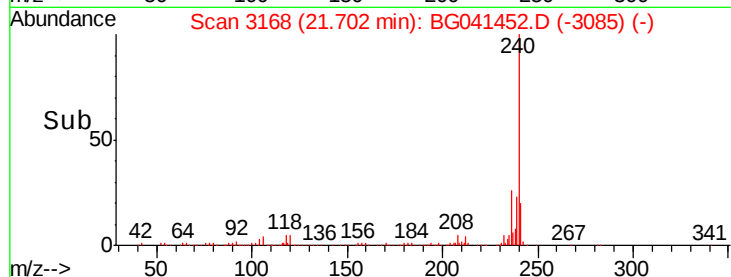
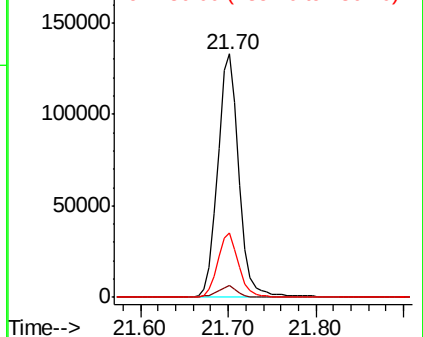
236 26.3 21.1 31.7



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: 3.799 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.34 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

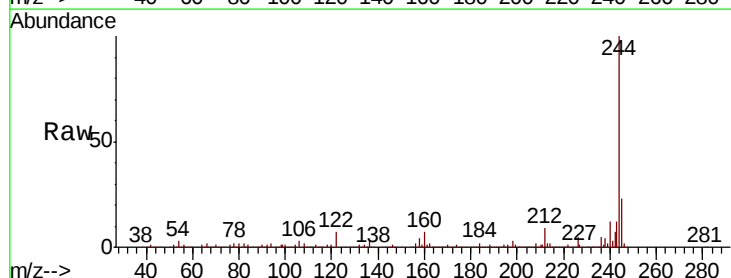
Tgt Ion:184 Resp: 20581

Ion Ratio Lower Upper

184 100

185 15.2 12.2 18.2

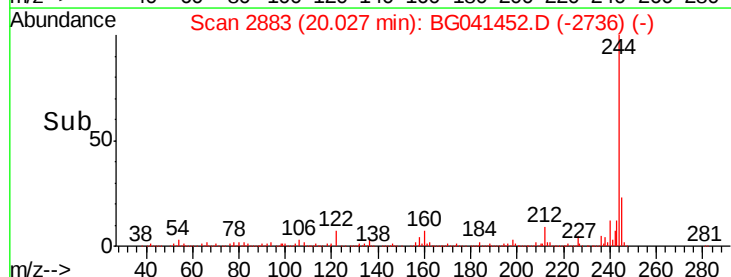
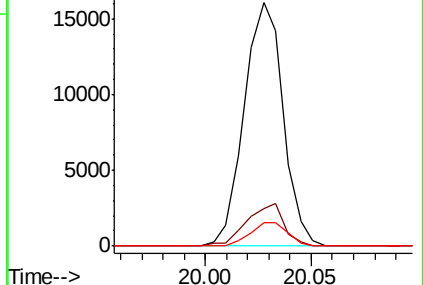
183 9.6 9.6 14.4#

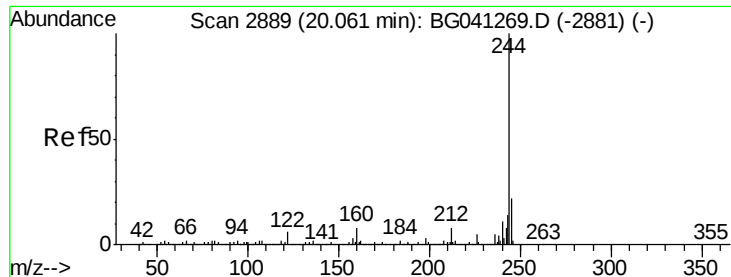


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 105.813 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041452.D

Acq: 25 Jun 2019 20:18

Instrument :

BNA_G

ClientSampleId :

SOILS-4

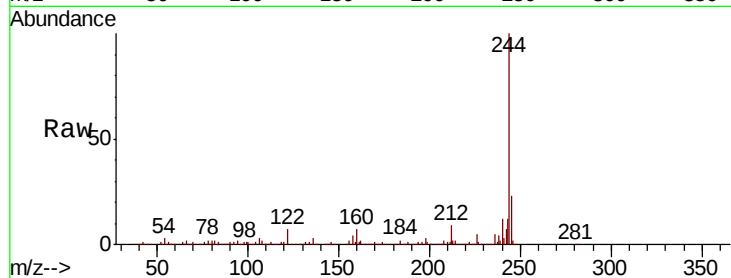
Tgt Ion:244 Resp: 1195792

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

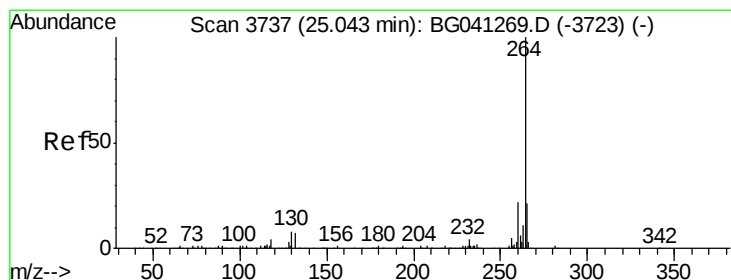
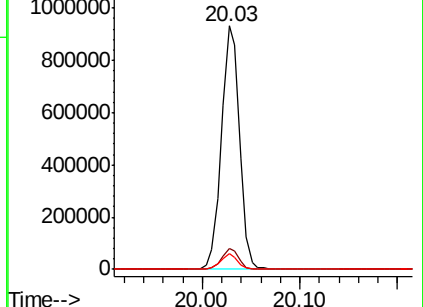
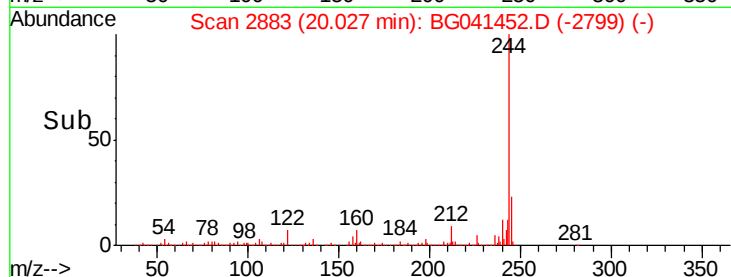
122 6.6 5.0 7.4



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: BG041452.D

Acq: 25 Jun 2019 20:18

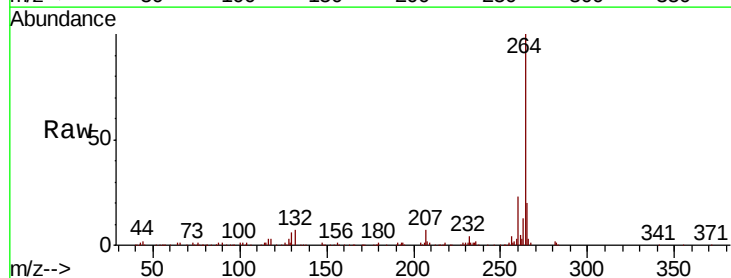
Tgt Ion:264 Resp: 242430

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.2

265 20.0 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

