

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041449.D
 Acq On : 25 Jun 2019 18:24
 Operator : HP/JU
 Sample : K3475-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILS-3

Quant Time: Jun 26 04:21:06 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

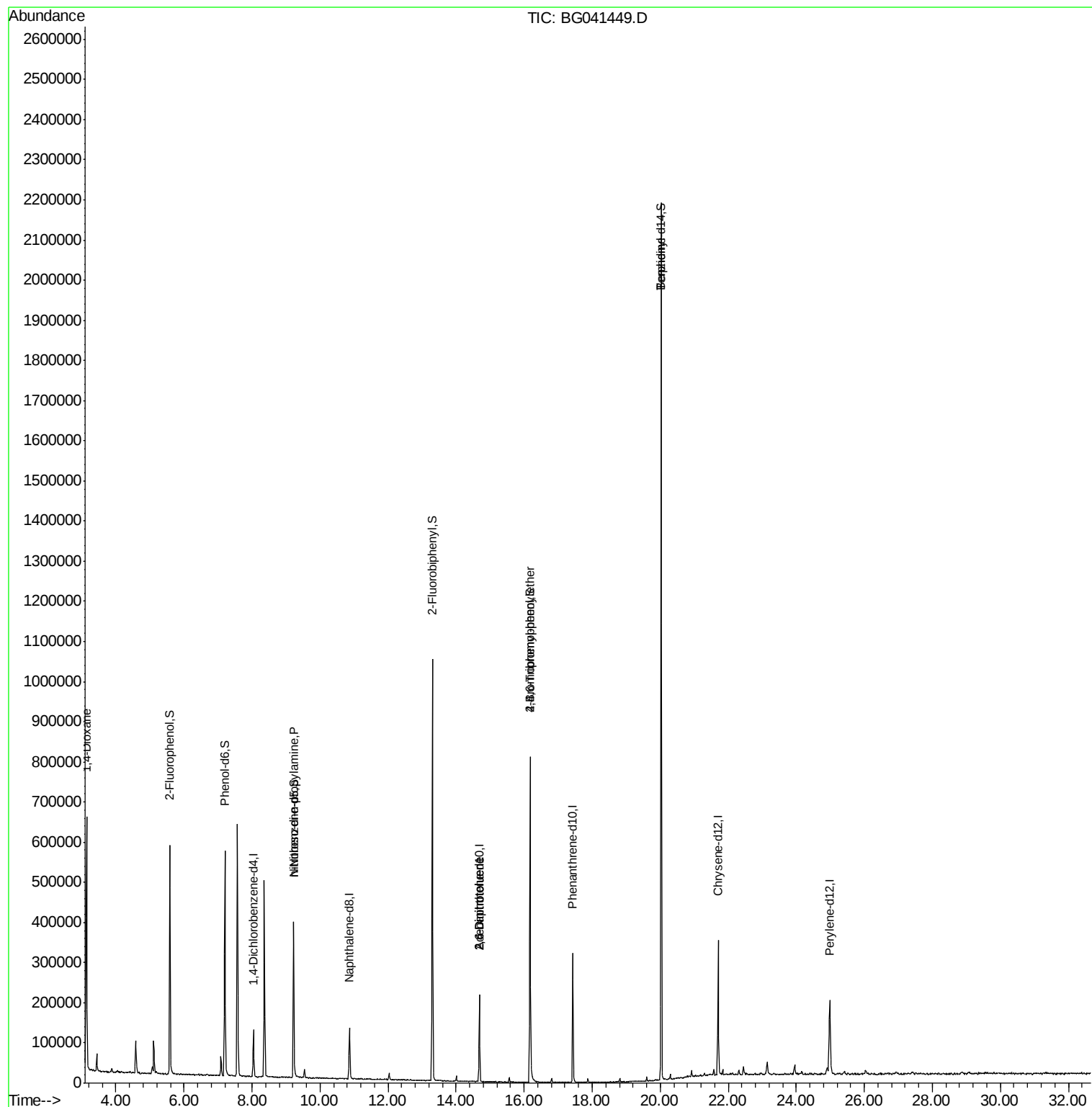
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	33159	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	113777	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	80834	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	206460	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	213246	20.00	ng	-0.04
87) Perylene-d12	24.99	264	224282	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	225761	125.10	ng	-0.03
7) Phenol-d6	7.20	99	298987	114.30	ng	-0.03
23) Nitrobenzene-d5	9.22	82	246501	91.12	ng	-0.04
42) 2,4,6-Tribromophenol	16.18	330	171274	138.02	ng	-0.03
45) 2-Fluorobiphenyl	13.30	172	562564	94.59	ng	-0.03
79) Terphenyl-d14	20.03	244	1069007	99.35	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	7073	7.816	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	34050	16.094	ng	# 80
51) 2,6-Dinitrotoluene	14.69	165	9667	6.374	ng	# 15
57) 2,4-Dinitrotoluene	14.69	165	9667	4.361	ng	# 18
67) 4-Bromophenyl-phenylether	16.17	248	12011	4.499	ng	# 1
77) Benzidine	20.03	184	17770	3.445	ng	# 91

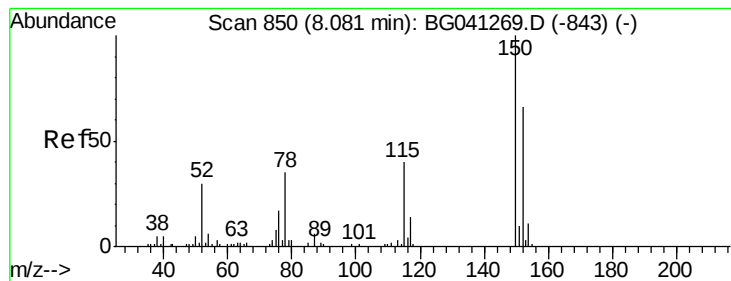
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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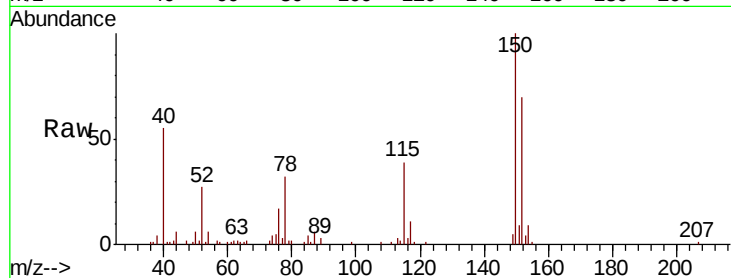


#1

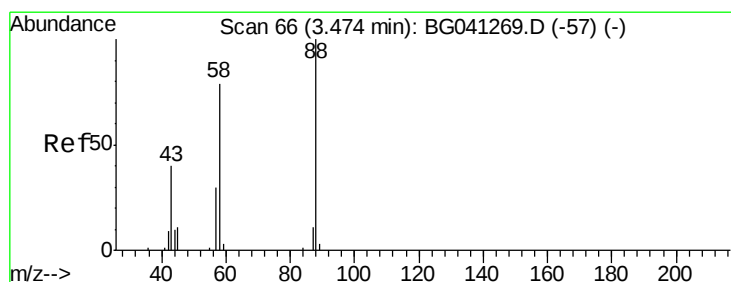
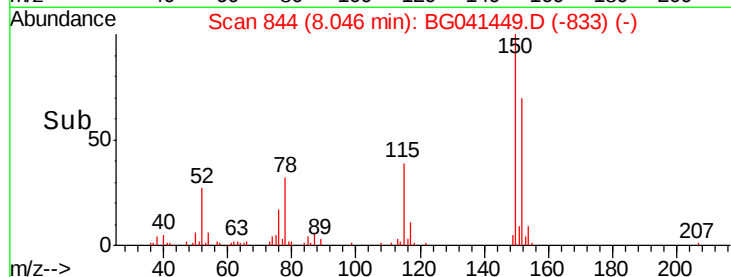
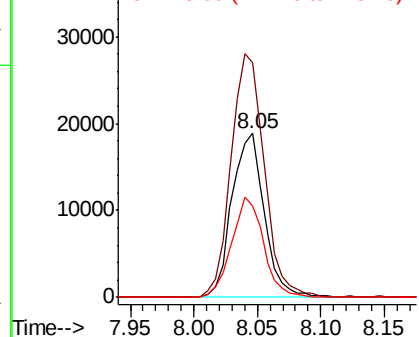
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.03 min
Lab File: BG041449.D
Acq: 25 Jun 2019 18:24

Instrument :
BNA_G
ClientSampleId :
SOILS-3

Tgt Ion:152 Resp: 33159
Ion Ratio Lower Upper
152 100
150 143.6 120.6 181.0
115 55.7 47.9 71.9



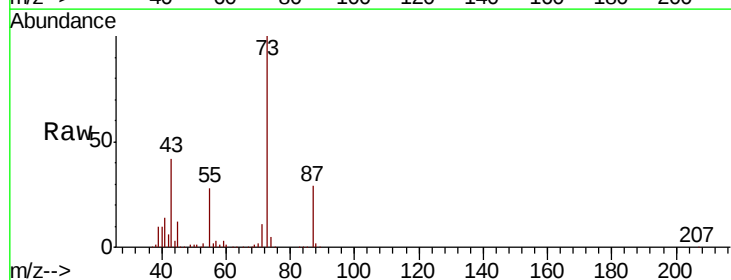
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



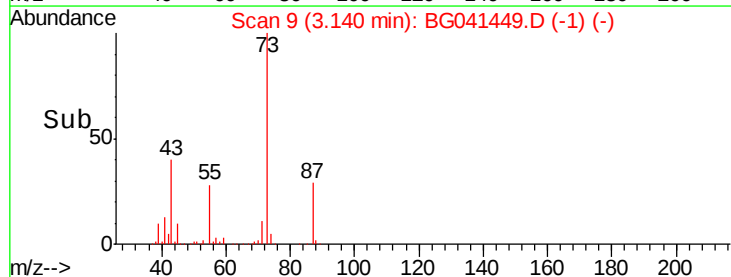
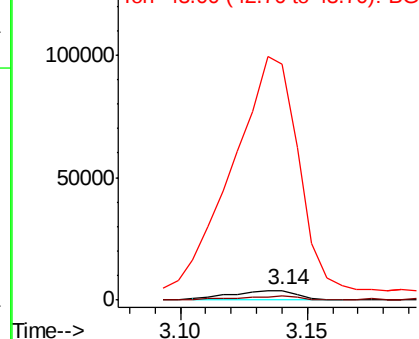
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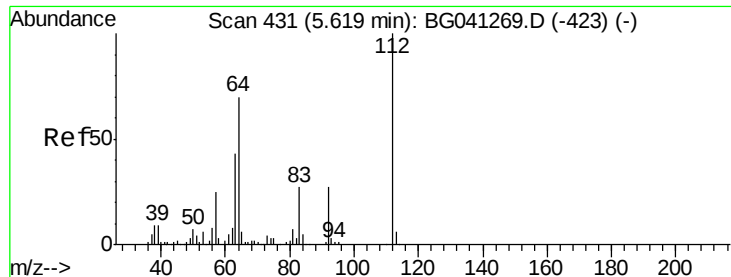
1,4-Dioxane
Concen: 7.816 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG041449.D
Acq: 25 Jun 2019 18:24

Tgt Ion: 88 Resp: 7073
Ion Ratio Lower Upper
88 100
58 35.4 59.7 89.5#
43 2373.3 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: 125.099 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.03 min

Lab File: BG041449.D

Acq: 25 Jun 2019 18:24

Instrument :

BNA_G

ClientSampleId :

SOILS-3

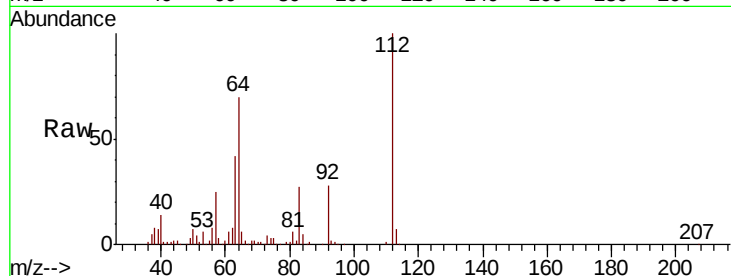
Tgt Ion: 112 Resp: 225761

Ion Ratio Lower Upper

112 100

64 69.5 55.9 83.9

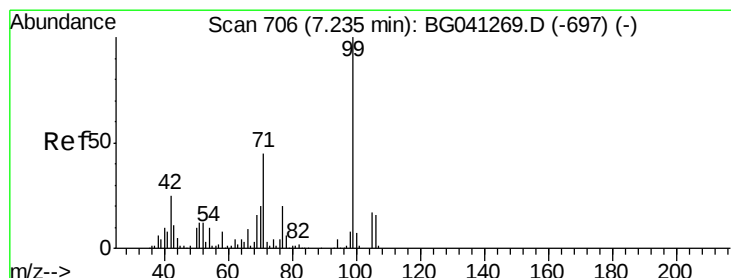
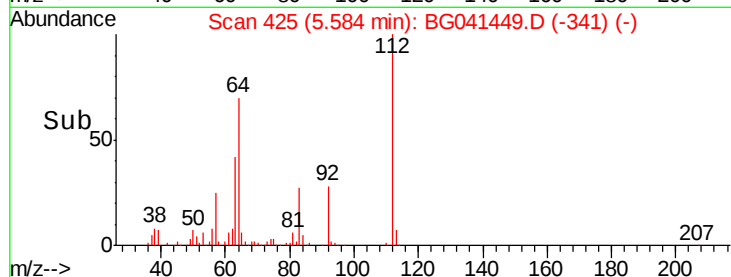
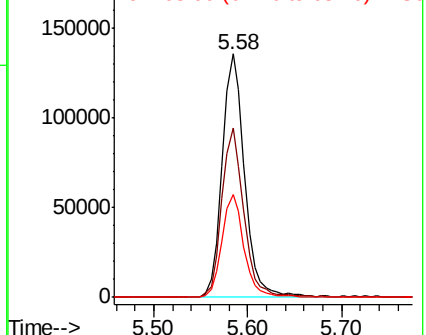
63 42.2 34.6 51.8



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: 114.298 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041449.D

Acq: 25 Jun 2019 18:24

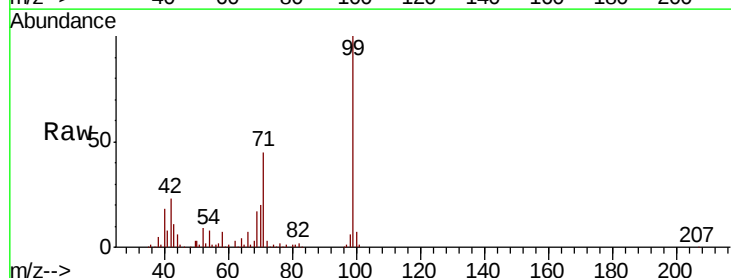
Tgt Ion: 99 Resp: 298987

Ion Ratio Lower Upper

99 100

42 23.2 19.9 29.9

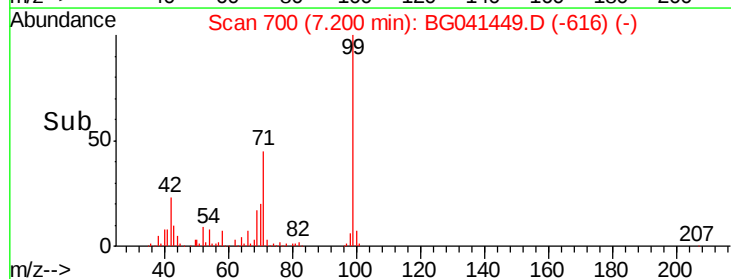
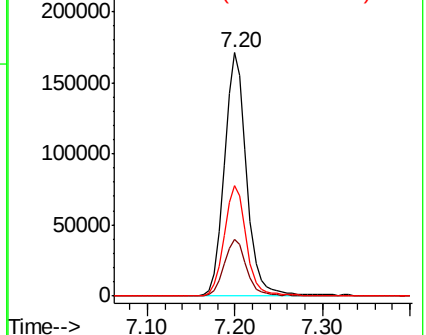
71 45.2 36.4 54.6

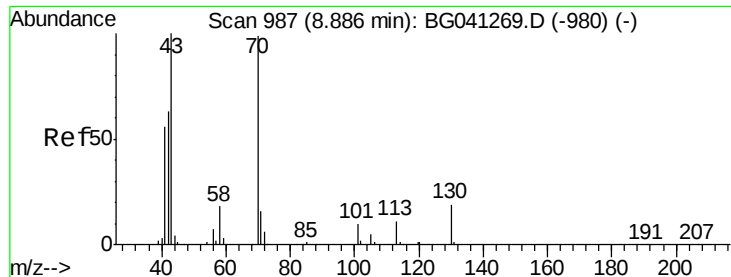


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

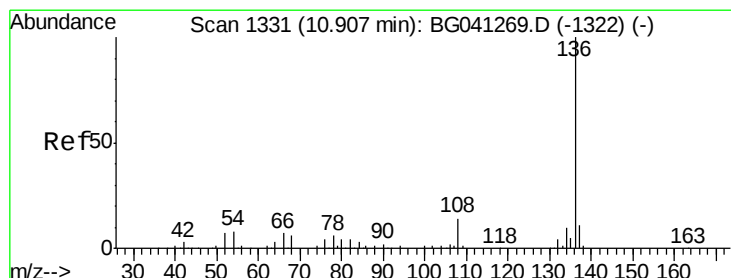
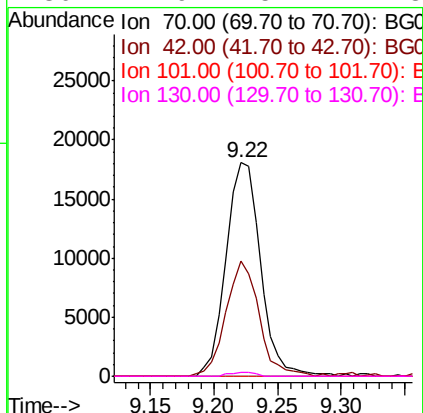
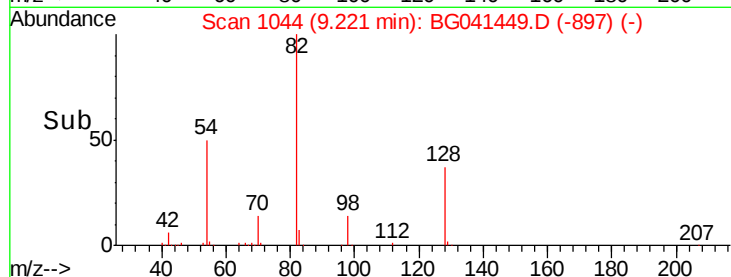
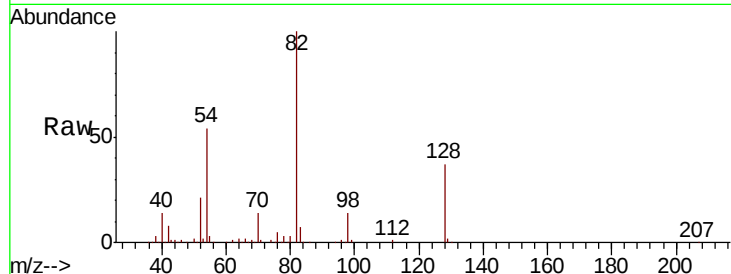




#19
n-Nitroso-di-n-propylamine
Concen: 16.094 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG041449.D
Acq: 25 Jun 2019 18:24

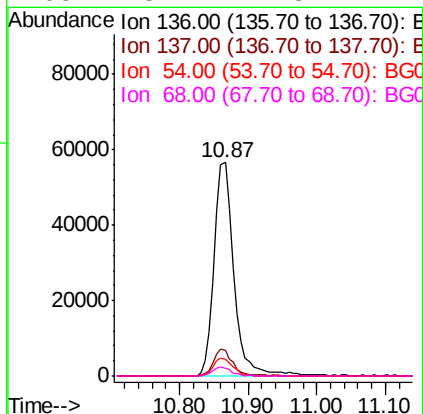
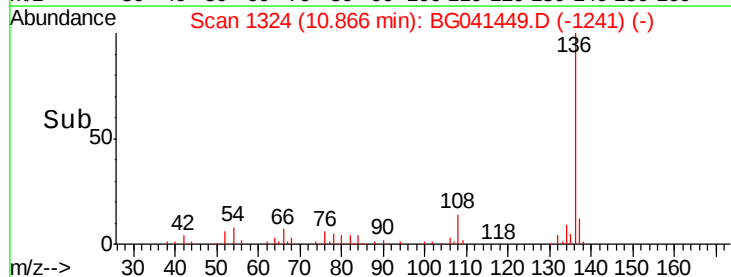
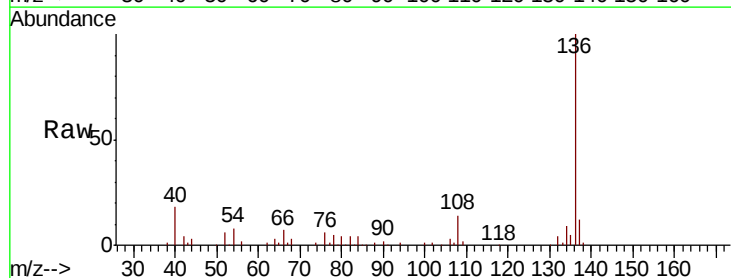
Instrument :
BNA_G
ClientSampleId :
SOILS-3

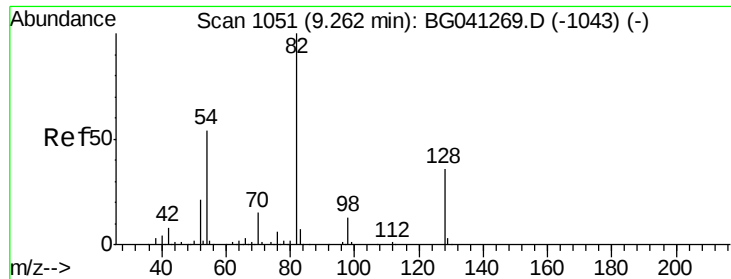
Tgt Ion: 70 Resp: 34050
Ion Ratio Lower Upper
70 100
42 53.8 51.4 77.2
101 0.0 8.2 12.2#
130 1.9 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041449.D
Acq: 25 Jun 2019 18:24

Tgt Ion: 136 Resp: 113777
Ion Ratio Lower Upper
136 100
137 12.1 8.8 13.2
54 7.5 6.4 9.6
68 3.4 4.8 7.2#

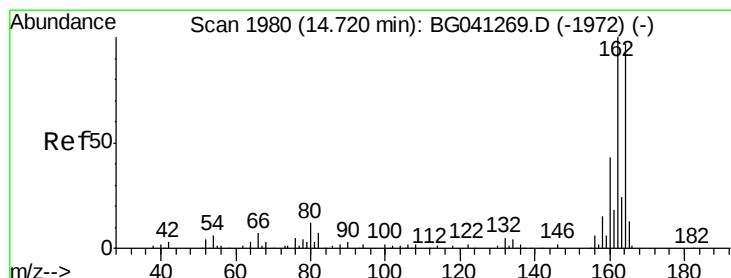
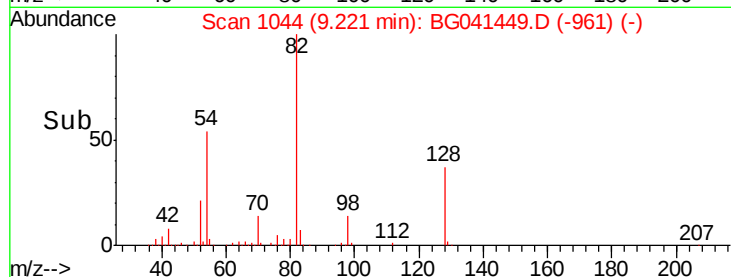
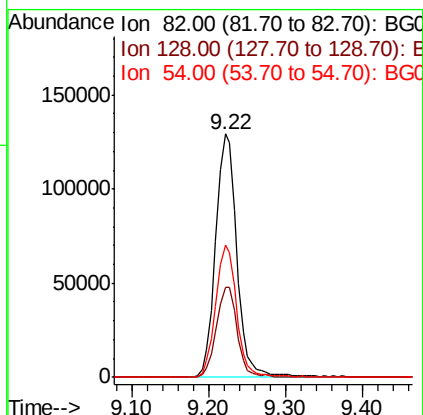
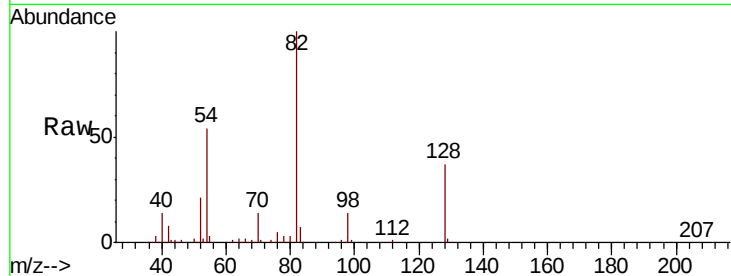




#23
 Nitrobenzene-d5
 Concen: 91.116 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.04 min
 Lab File: BG041449.D
 Acq: 25 Jun 2019 18:24

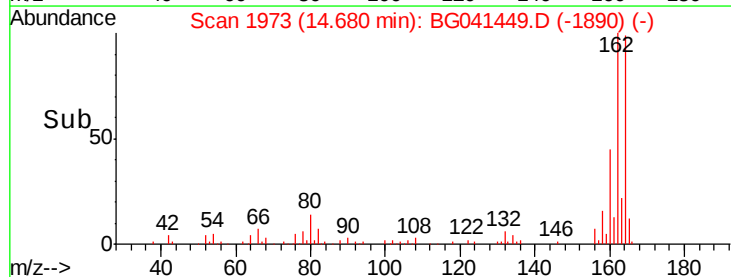
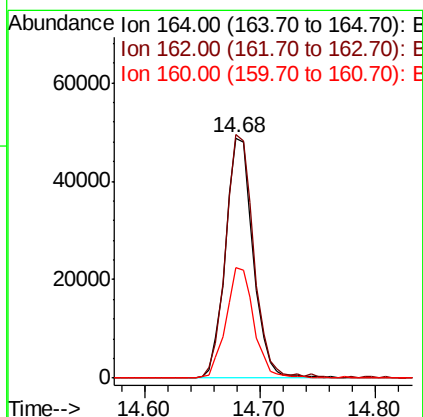
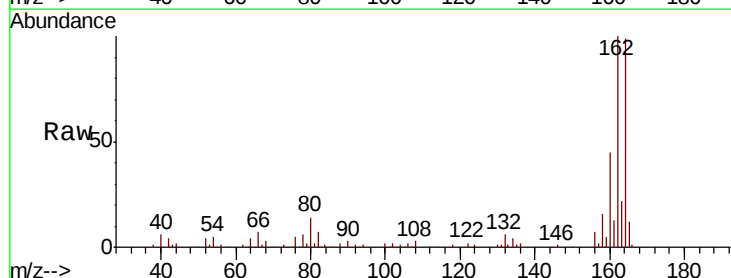
Instrument :
 BNA_G
 ClientSampleId :
 SOILS-3

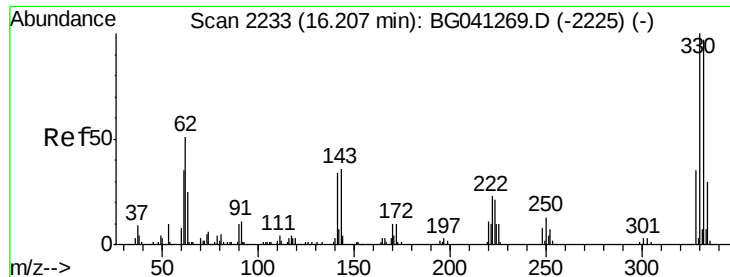
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.2	43.8
54	54.5	43.4	65.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.04 min
 Lab File: BG041449.D
 Acq: 25 Jun 2019 18:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.8	124.2
160	45.8	35.8	53.8

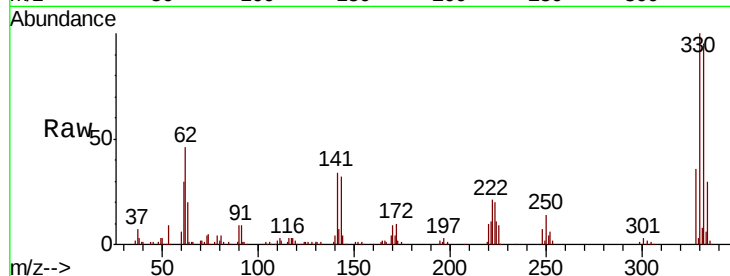




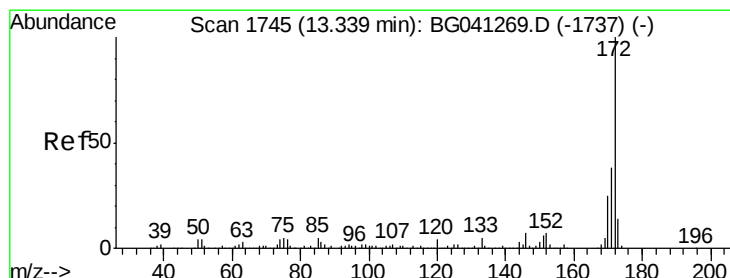
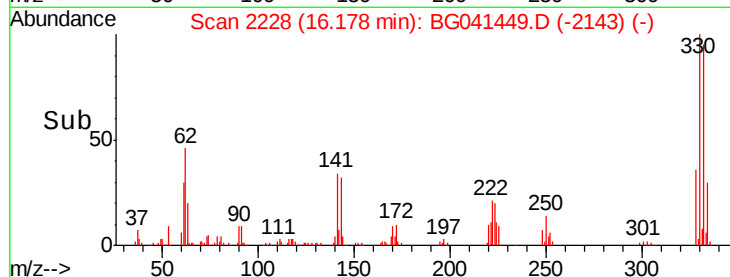
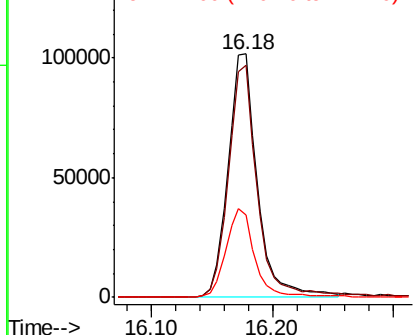
#42
 2,4,6-Tribromophenol
 Concen: 138.015 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.03 min
 Lab File: BG041449.D
 Acq: 25 Jun 2019 18:24

Instrument :
 BNA_G
 ClientSampleId :
 SOILS-3

Tgt Ion:330 Resp: 171274
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.5 113.3
 141 36.5 29.0 43.4

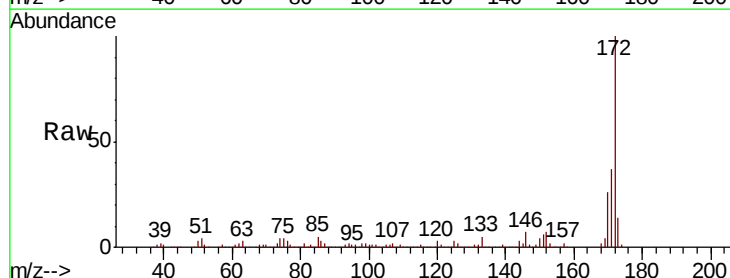


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

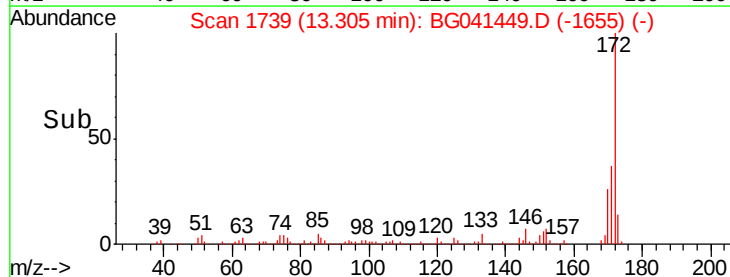
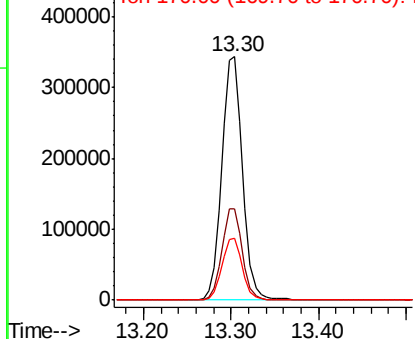


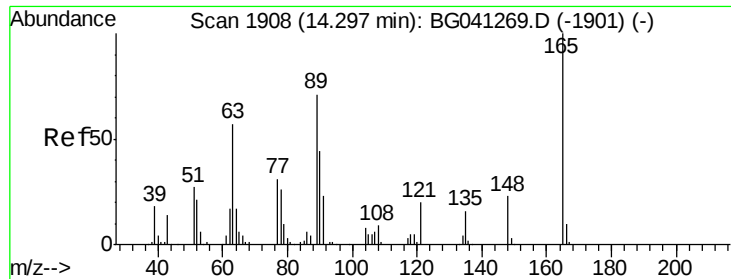
#45
 2-Fluorobiphenyl
 Concen: 94.590 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041449.D
 Acq: 25 Jun 2019 18:24

Tgt Ion:172 Resp: 562564
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 25.6 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

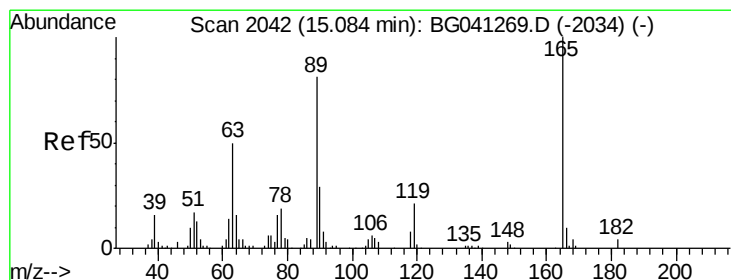
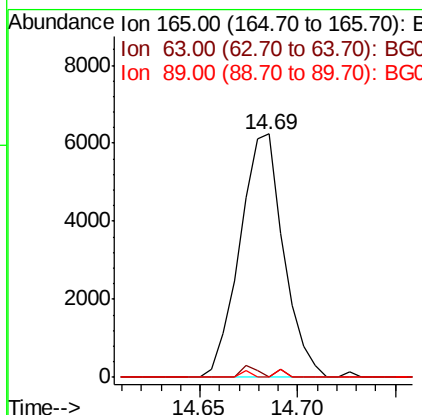
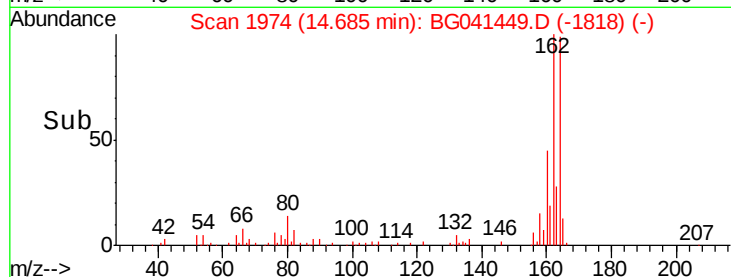
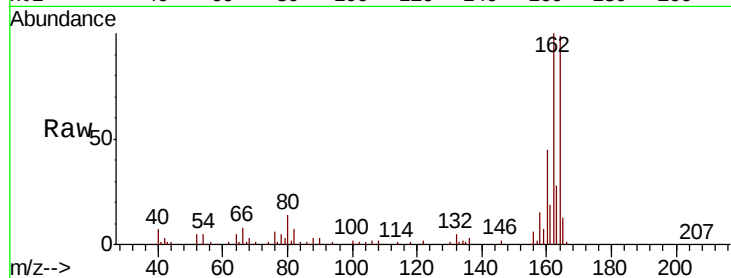




#51
 2,6-Dinitrotoluene
 Concen: 6.374 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.39 min
 Lab File: BG041449.D
 Acq: 25 Jun 2019 18:24

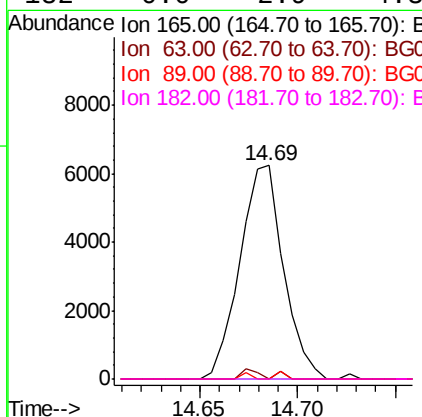
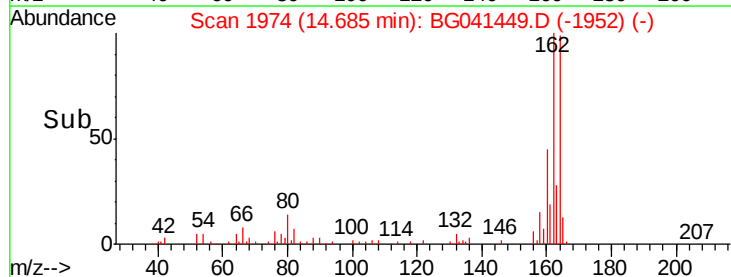
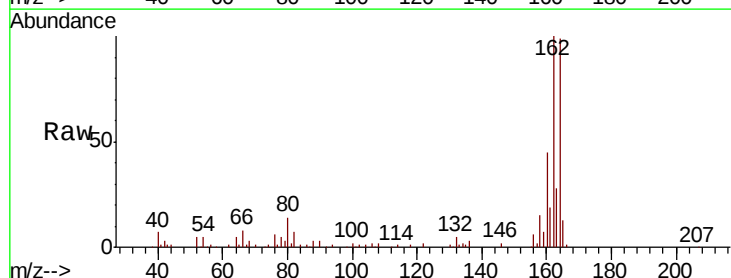
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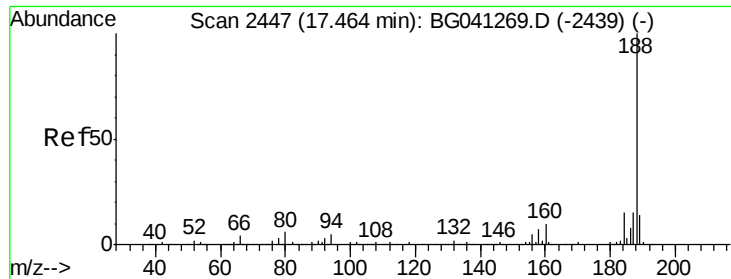
Tgt Ion:165 Resp: 9667
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.0#
 89 0.0 56.5 84.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.361 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.40 min
 Lab File: BG041449.D
 Acq: 25 Jun 2019 18:24

Tgt Ion:165 Resp: 9667
 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: BG041449.D

Acq: 25 Jun 2019 18:24

Instrument :

BNA_G

ClientSampleId :

SOILS-3

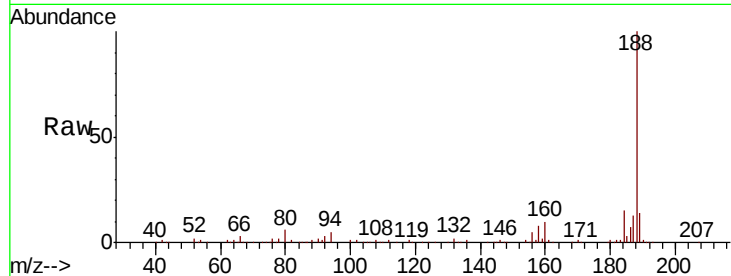
Tgt Ion:188 Resp: 206460

Ion Ratio Lower Upper

188 100

94 5.1 3.6 5.4

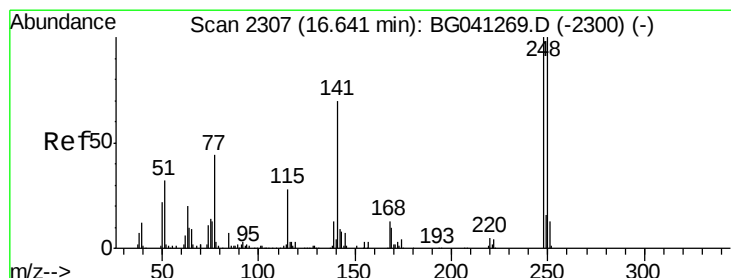
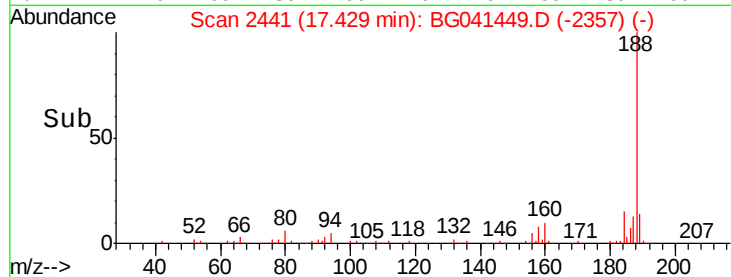
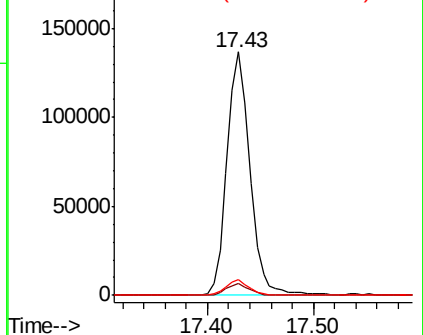
80 6.3 4.8 7.2



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: 4.499 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.47 min

Lab File: BG041449.D

Acq: 25 Jun 2019 18:24

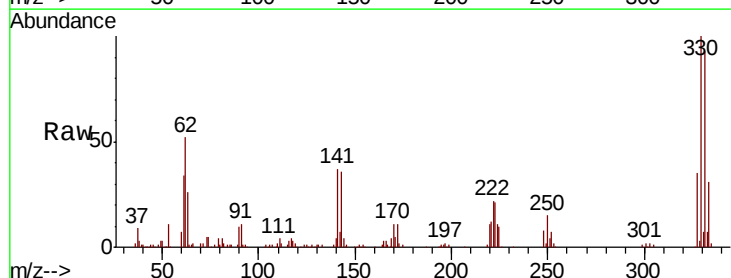
Tgt Ion:248 Resp: 12011

Ion Ratio Lower Upper

248 100

250 199.7 79.8 119.8#

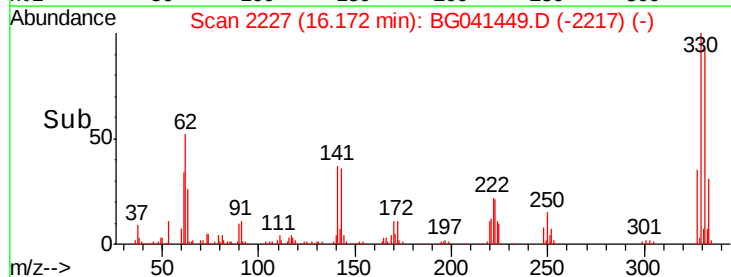
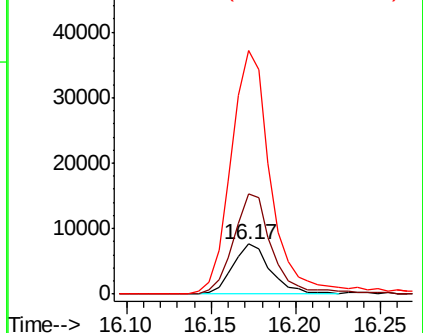
141 484.5 55.8 83.6#

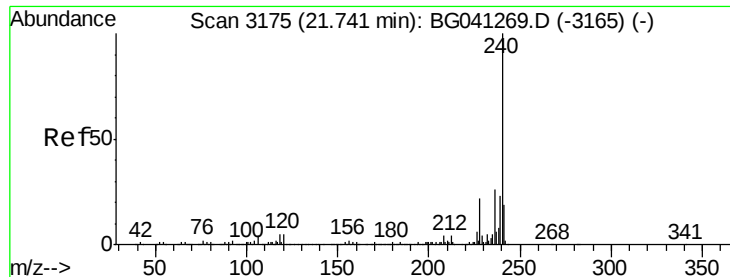


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

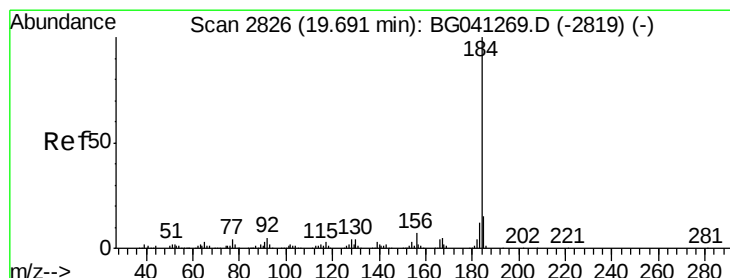
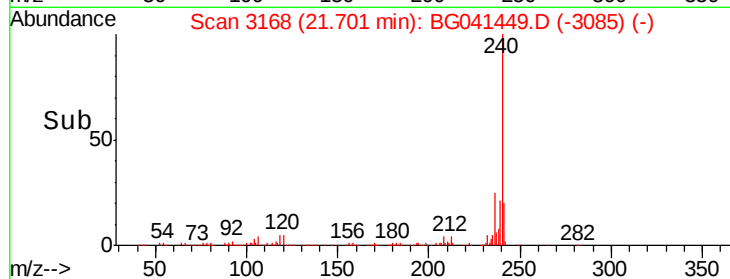
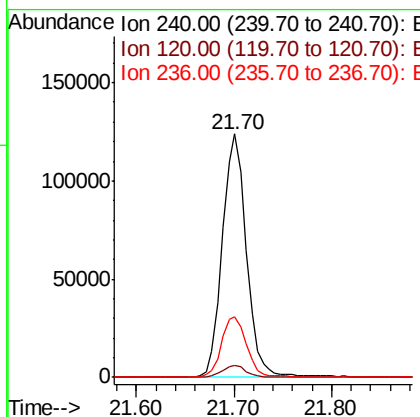
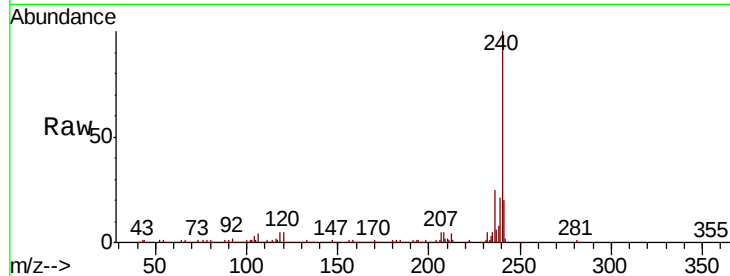




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041449.D
Acq: 25 Jun 2019 18:24

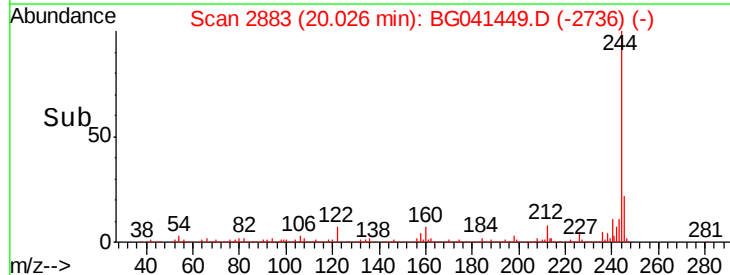
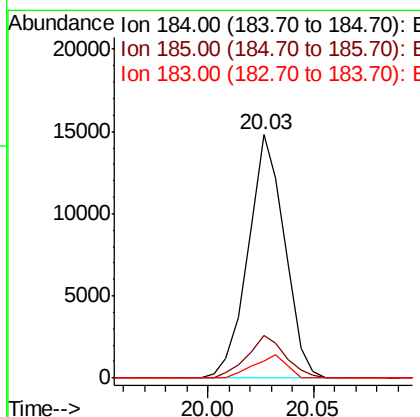
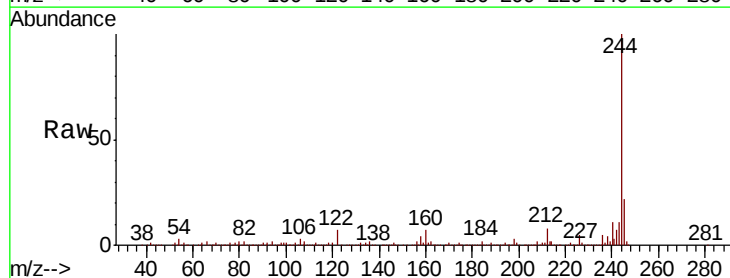
Instrument :
BNA_G
ClientSampleId :
SOILS-3

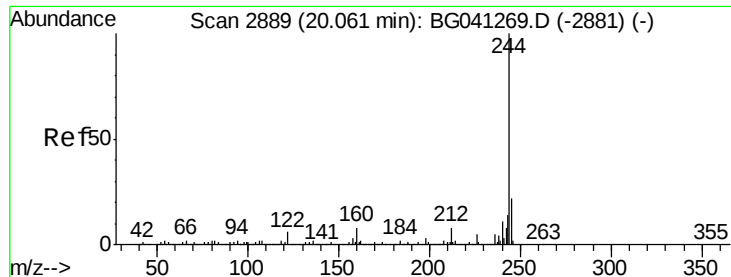
Tgt Ion:240 Resp: 213246
Ion Ratio Lower Upper
240 100
120 4.7 3.7 5.5
236 25.1 21.1 31.7



#77
Benzidine
Concen: 3.445 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.34 min
Lab File: BG041449.D
Acq: 25 Jun 2019 18:24

Tgt Ion:184 Resp: 17770
Ion Ratio Lower Upper
184 100
185 17.6 12.2 18.2
183 7.0 9.6 14.4#





#79

Terphenyl-d14

Concen: 99.348 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041449.D

Acq: 25 Jun 2019 18:24

Instrument :

BNA_G

ClientSampled :

SOILS-3

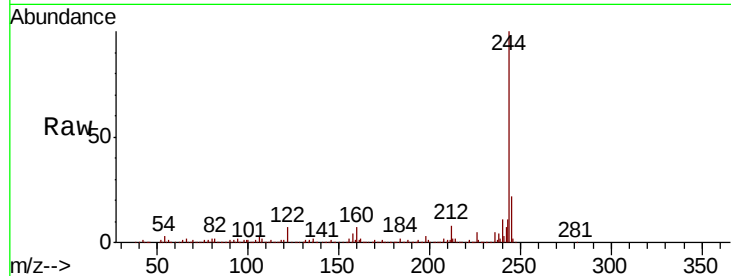
Tgt Ion:244 Resp: 1069007

Ion Ratio Lower Upper

244 100

212 8.3 6.6 10.0

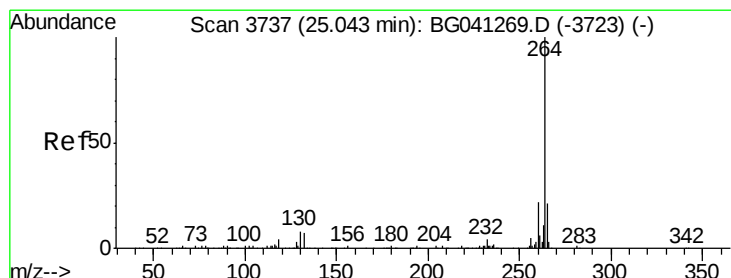
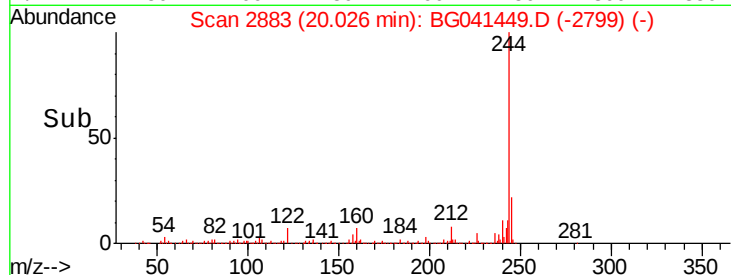
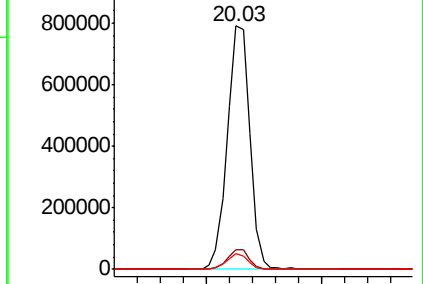
122 6.5 5.0 7.4



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: BG041449.D

Acq: 25 Jun 2019 18:24

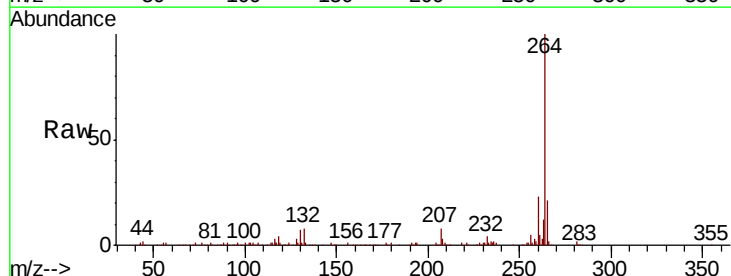
Tgt Ion:264 Resp: 224282

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.2

265 21.0 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

