

Data File : BG044006.D
Acq On : 10 Jan 2020 17:32
Operator : JU
Sample : L1064-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-B

Quant Time: Jan 11 04:15:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

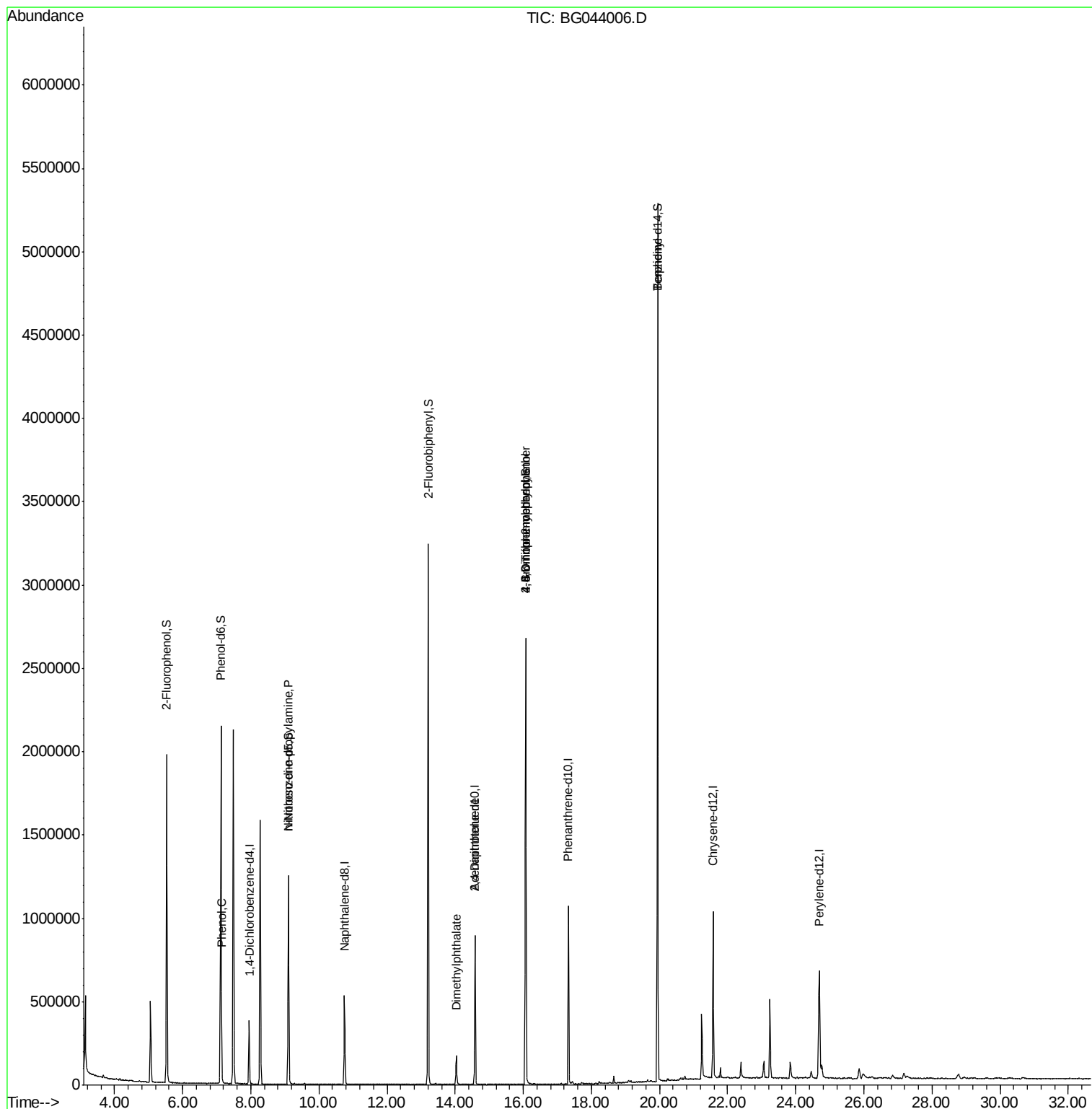
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	113097	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	483258	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	309325	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	661313	20.00	ng	0.00
76) Chrysene-d12	21.57	240	576017	20.00	ng	-0.02
87) Perylene-d12	24.69	264	636193	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	941377	152.83	ng	0.00
7) Phenol-d6	7.12	99	1322688	153.62	ng	0.00
23) Nitrobenzene-d5	9.11	82	788972	87.34	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	505545	156.18	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1662487	97.37	ng	-0.02
79) Terphenyl-d14	19.94	244	2277659	99.62	ng	-0.01
Target Compounds						
10) Phenol	7.14	94	31420	3.542	ng	86
19) n-Nitroso-di-n-propylamine	9.11	70	104543	16.304	ng	# 79
50) Dimethylphthalate	14.04	163	131395	5.982	ng	96
57) 2,4-Dinitrotoluene	14.58	165	40148	5.944	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.07	198	1599	4.816	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	35833	4.818	ng	# 1
77) Benzidine	19.94	184	44137	3.048	ng	# 93

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

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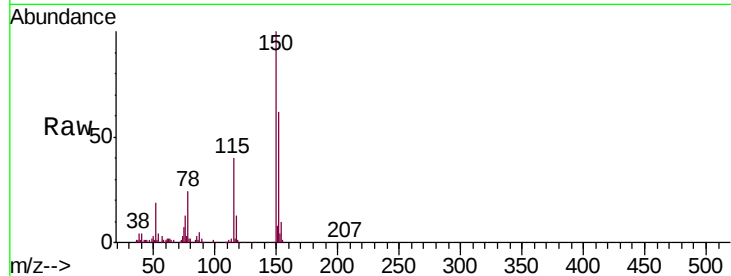


#1

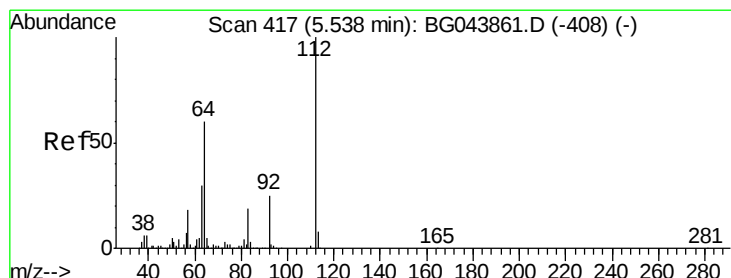
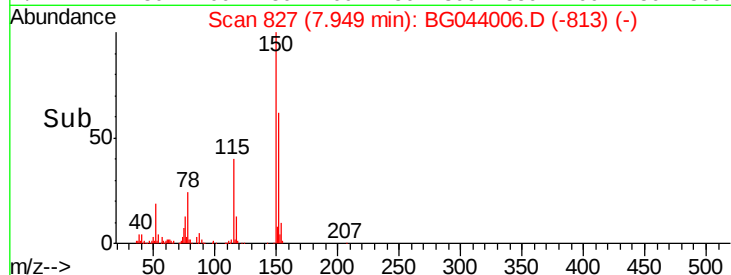
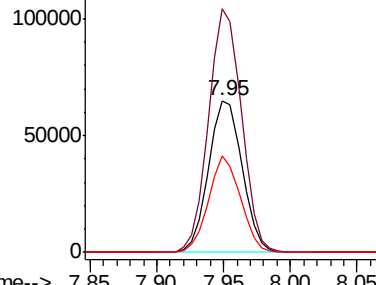
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.6	127.0	190.4
115	63.8	47.8	71.8



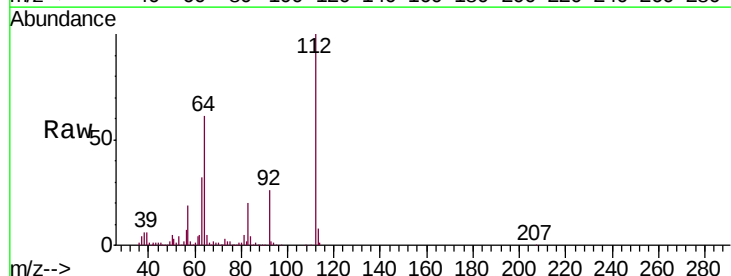
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



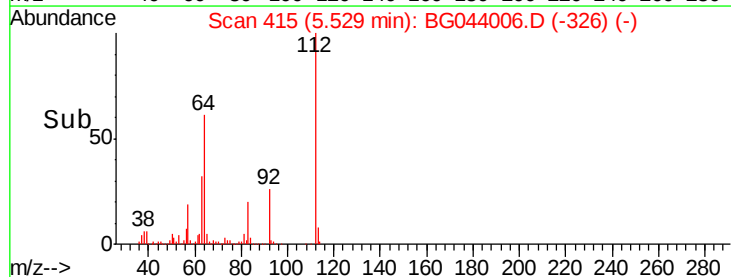
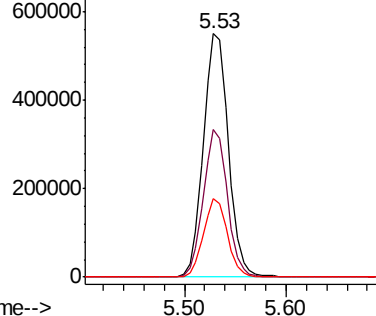
#5

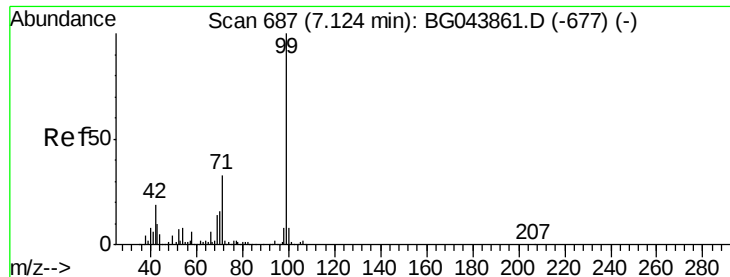
2-Fluorophenol
Concen: 152.832 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.8	71.6
63	32.3	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 153.623 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044006.D

Acq: 10 Jan 2020 17:32

Instrument :

BNA_G

ClientSampleId :

SOIL-B

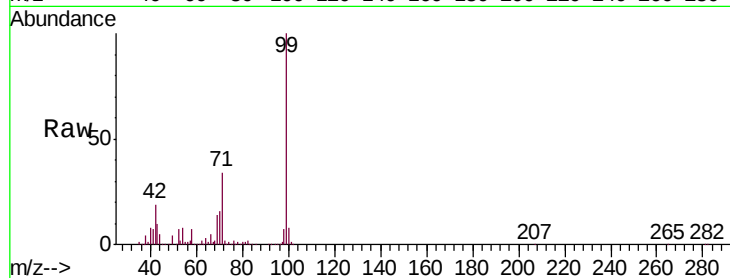
Tgt Ion: 99 Resp: 1322688

Ion Ratio Lower Upper

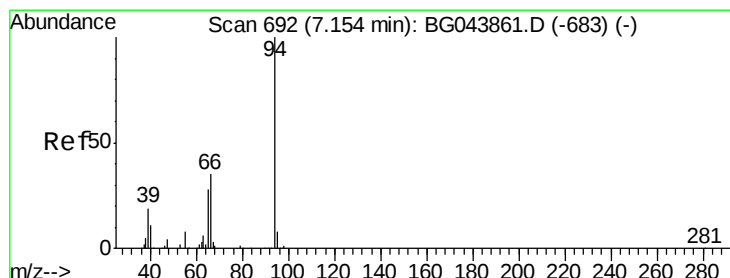
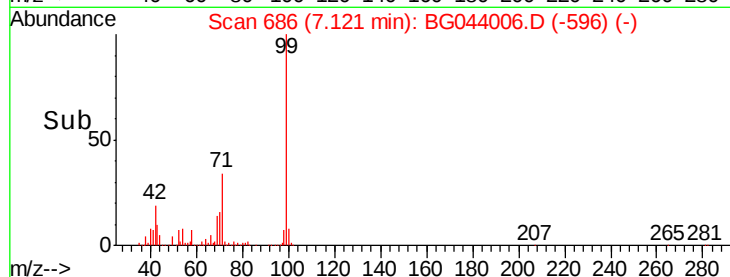
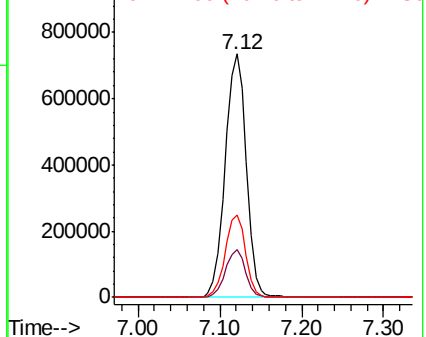
99 100

42 19.5 14.9 22.3

71 34.1 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BGC
1000000
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 3.542 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG044006.D

Acq: 10 Jan 2020 17:32

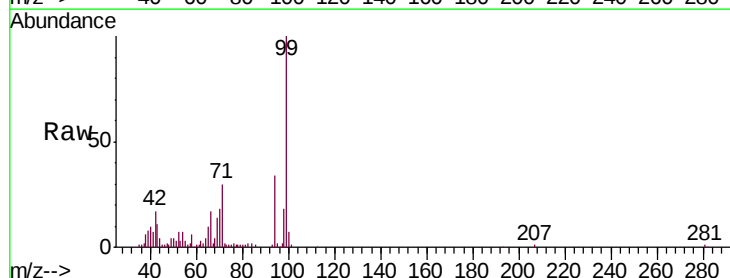
Tgt Ion: 94 Resp: 31420

Ion Ratio Lower Upper

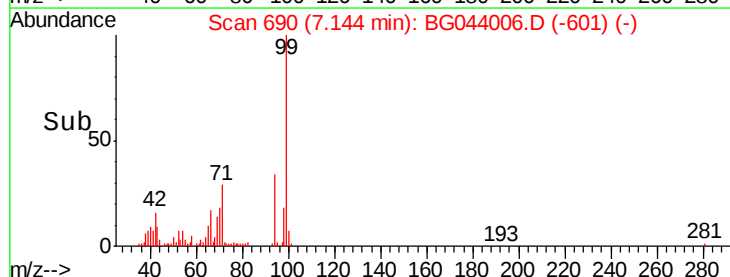
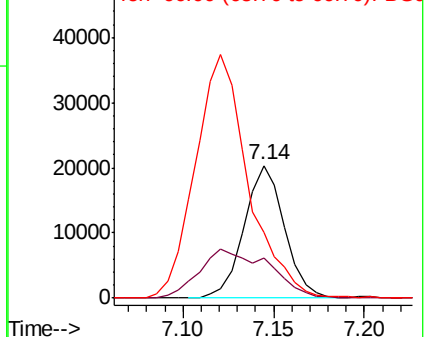
94 100

65 29.9 8.1 48.1

66 49.2 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
50000
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

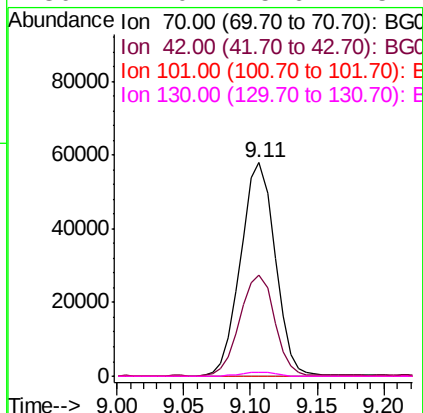
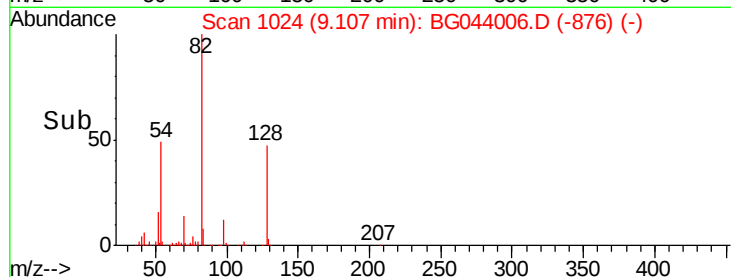
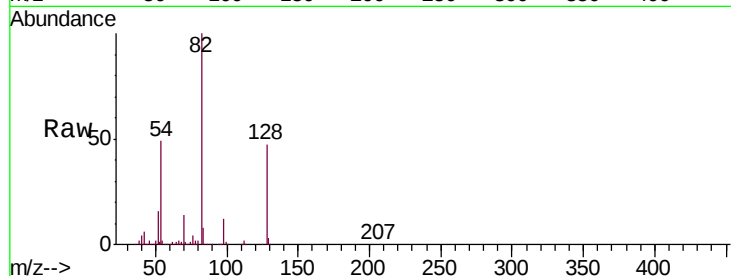




#19
n-Nitroso-di-n-propylamine
Concen: 16.304 ng
RT: 9.11 min Scan# 1024
Delta R.T. 0.34 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

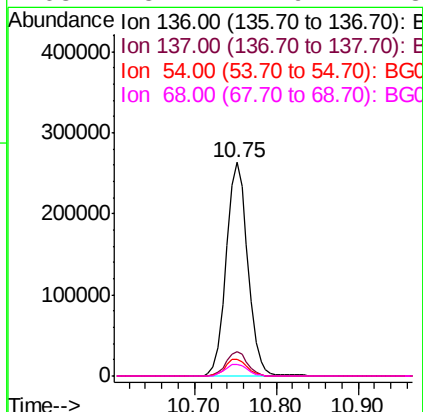
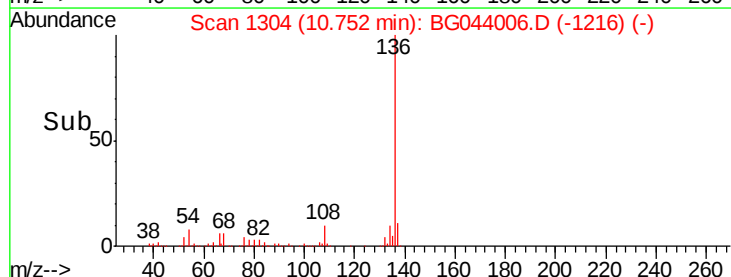
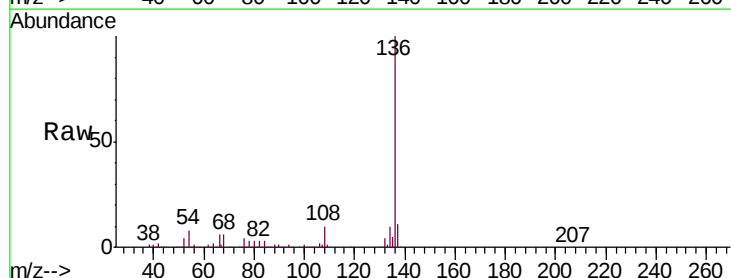
Instrument :
BNA_G
ClientSampleId :
SOIL-B

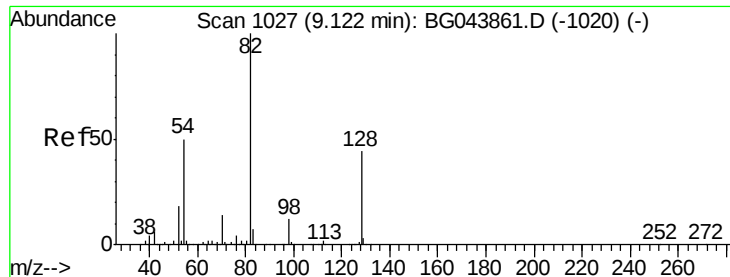
Tgt Ion: 70 Resp: 104543
Ion Ratio Lower Upper
70 100
42 47.6 47.0 70.4
101 0.0 7.2 10.8#
130 2.0 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Tgt Ion: 136 Resp: 483258
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.6 7.0 10.4
68 5.7 4.9 7.3

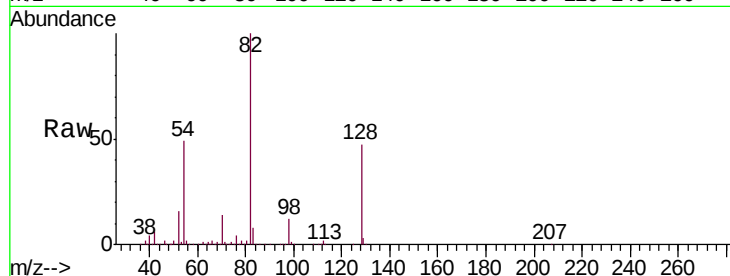




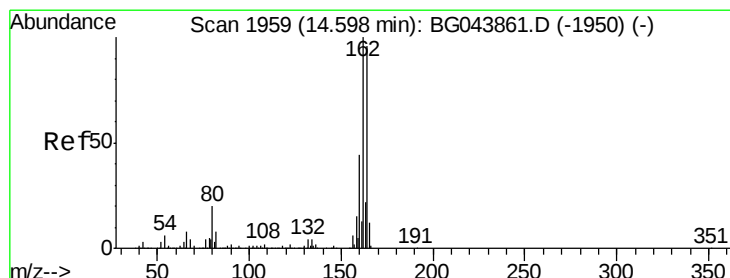
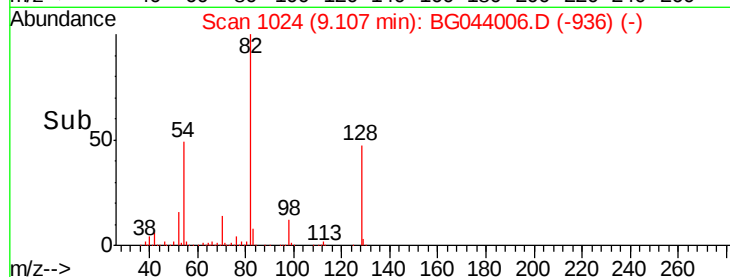
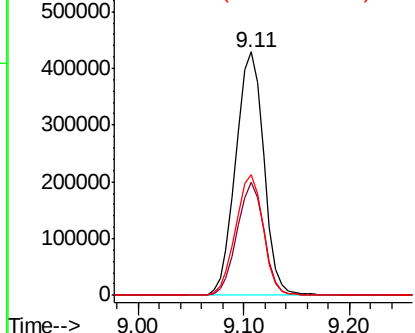
#23
Nitrobenzene-d5
Concen: 87.338 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-B

Tgt Ion: 82 Resp: 788972
Ion Ratio Lower Upper
82 100
128 46.7 35.1 52.7
54 49.4 40.1 60.1

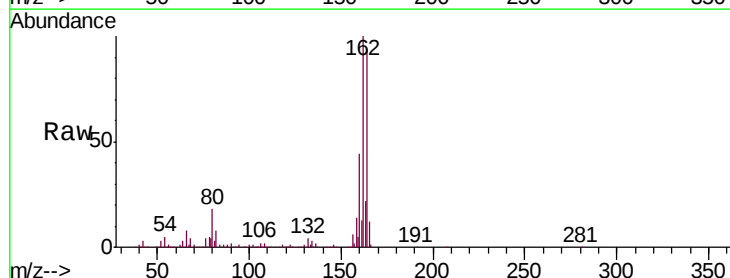


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

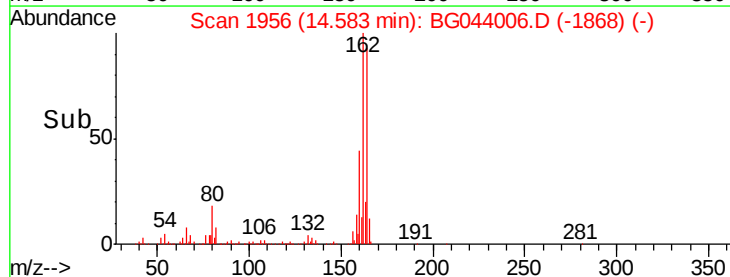
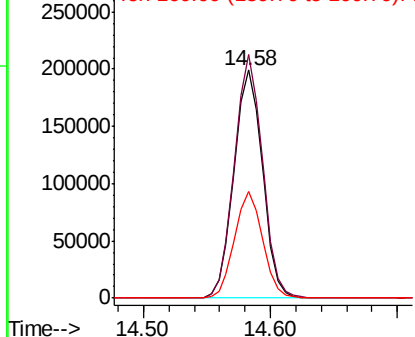


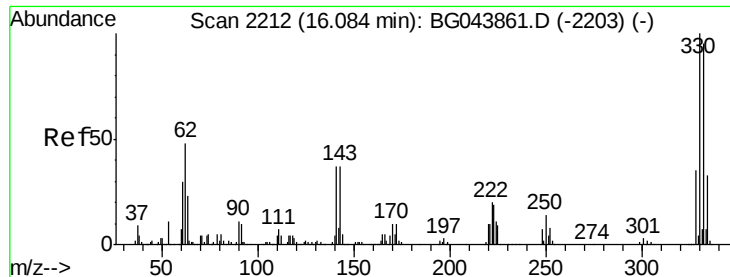
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Tgt Ion: 164 Resp: 309325
Ion Ratio Lower Upper
164 100
162 106.8 83.0 124.4
160 46.7 36.1 54.1



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

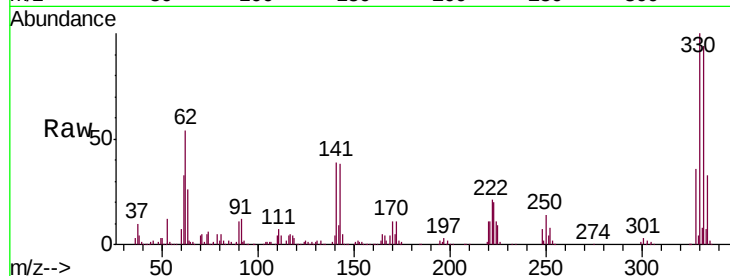




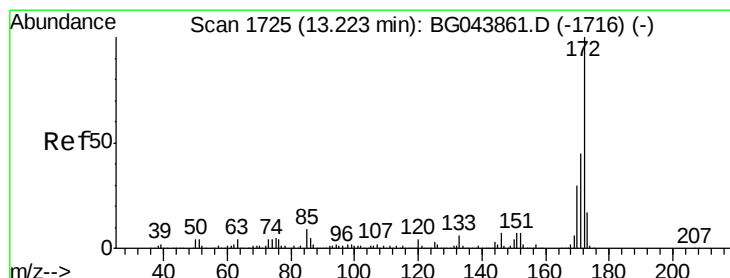
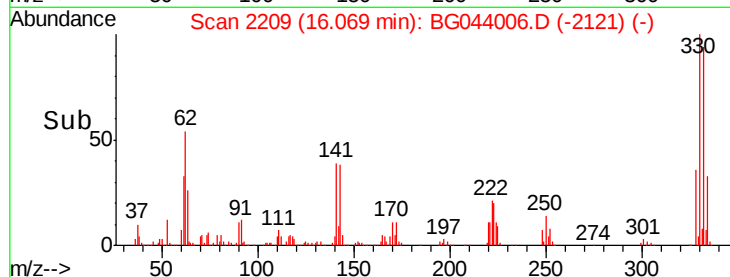
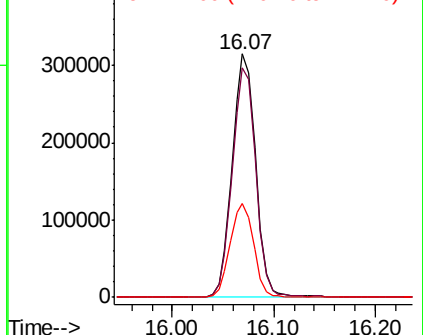
#42
 2,4,6-Tribromophenol
 Concen: 156.176 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044006.D
 Acq: 10 Jan 2020 17:32

Instrument :
 BNA_G
 ClientSampled :
 SOIL-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.2	115.8
141	39.2	33.1	49.7

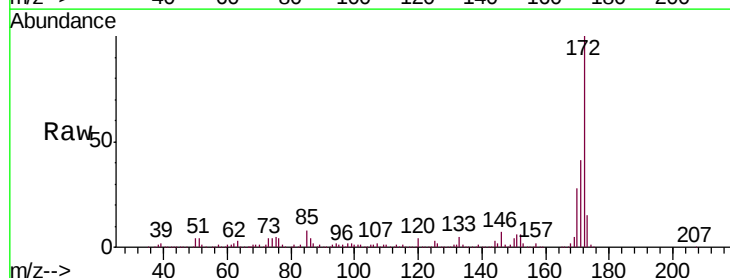


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

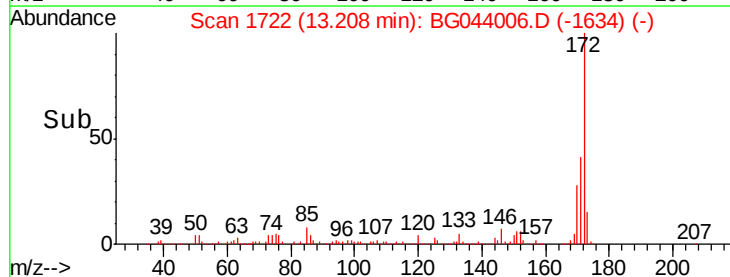
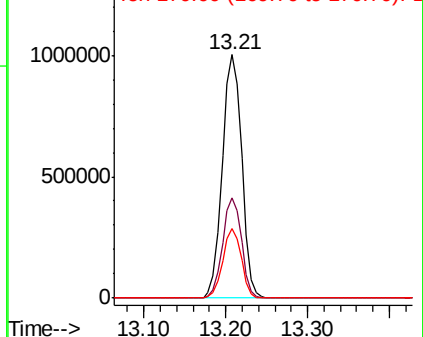


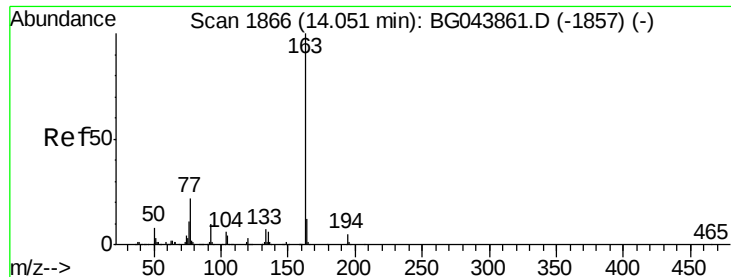
#45
 2-Fluorobiphenyl
 Concen: 97.375 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044006.D
 Acq: 10 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.4	35.8	53.8
170	28.4	24.2	36.4



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

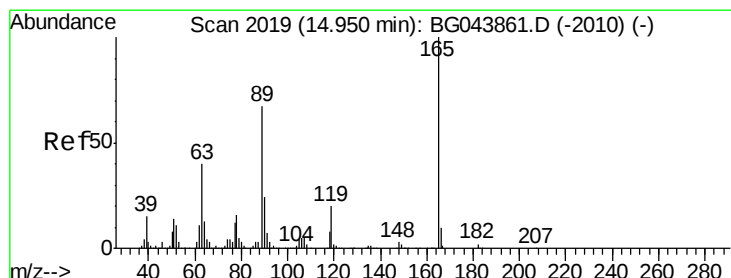
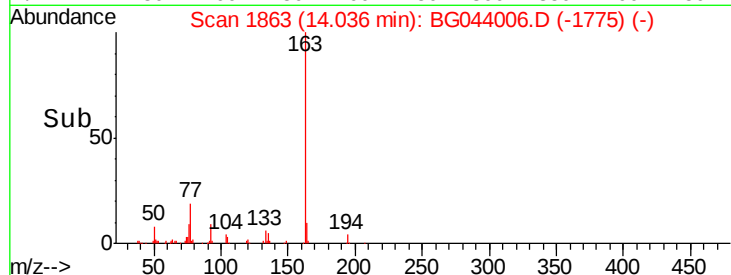
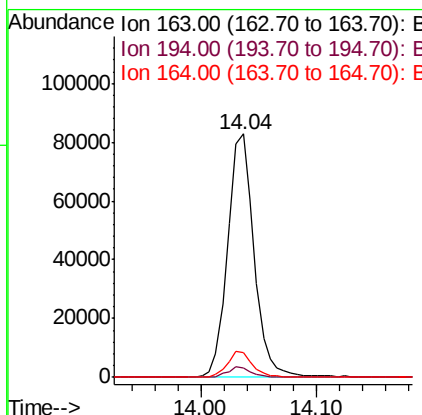
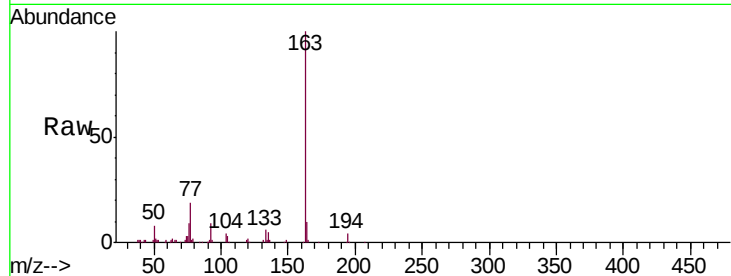




#50
Dimethylphthalate
Concen: 5.982 ng
RT: 14.04 min Scan# 1863
Delta R.T. -0.02 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

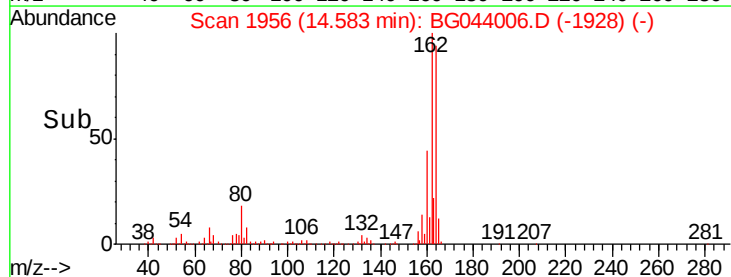
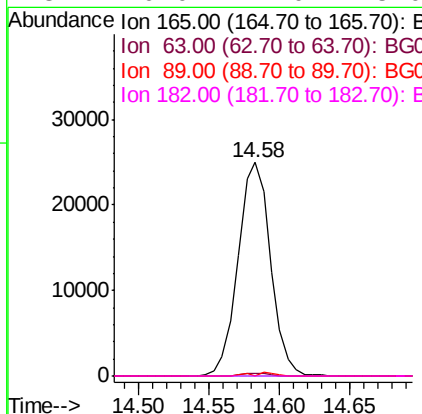
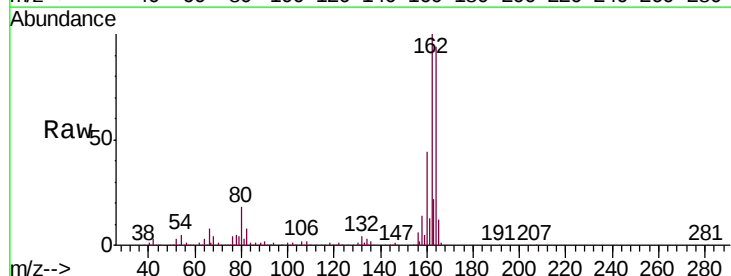
Instrument :
BNA_G
ClientSampled :
SOIL-B

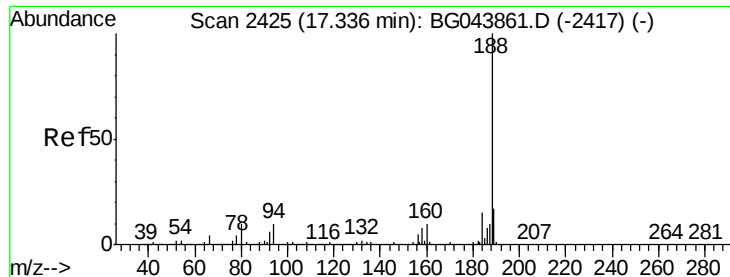
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.7	5.5
164	9.9	9.3	13.9



#57
2,4-Dinitrotoluene
Concen: 5.944 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.37 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	0.0	53.8	80.6#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.33 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG044006.D

Acq: 10 Jan 2020 17:32

Instrument :

BNA_G

ClientSampleId :

SOIL-B

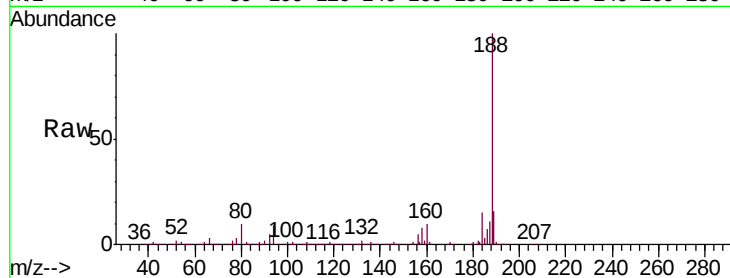
Tgt Ion:188 Resp: 661313

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

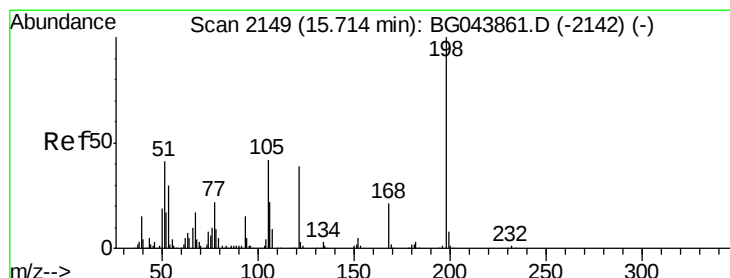
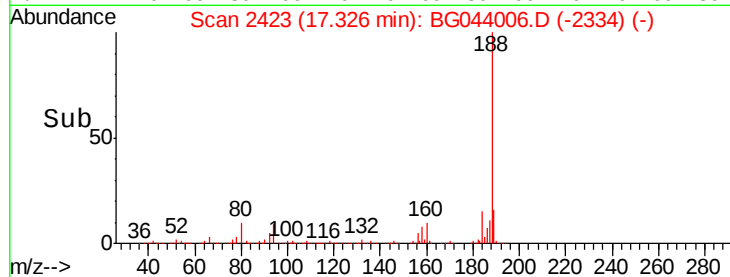
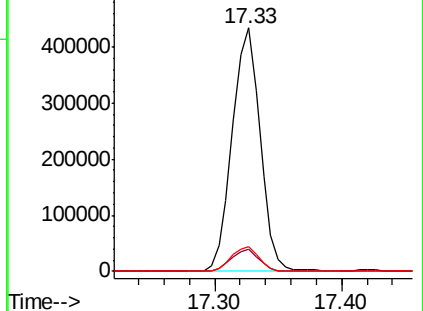
80 10.4 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.816 ng

RT: 16.07 min Scan# 2209

Delta R.T. 0.36 min

Lab File: BG044006.D

Acq: 10 Jan 2020 17:32

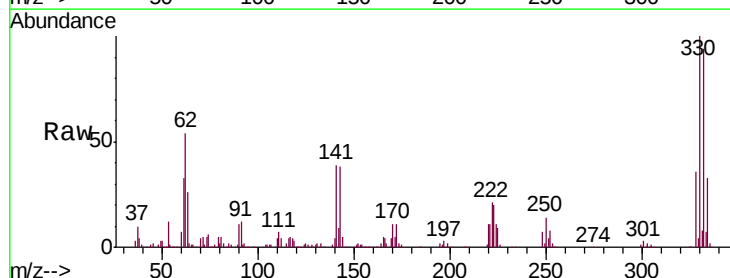
Tgt Ion:198 Resp: 1599

Ion Ratio Lower Upper

198 100

51 106.1 22.5 62.5#

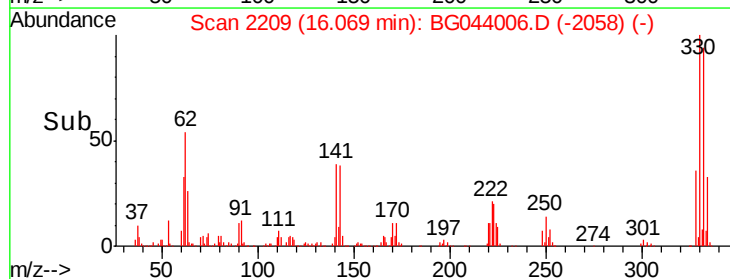
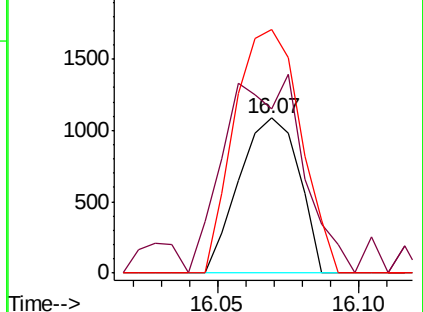
105 157.3 22.3 62.3#

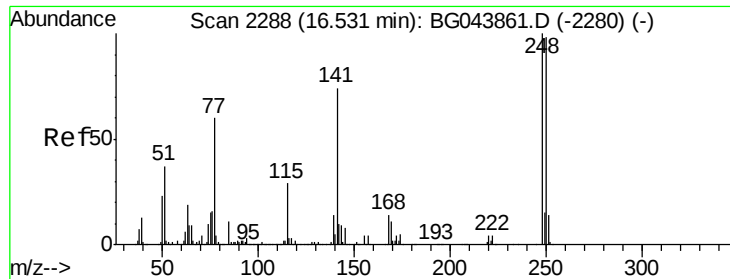


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

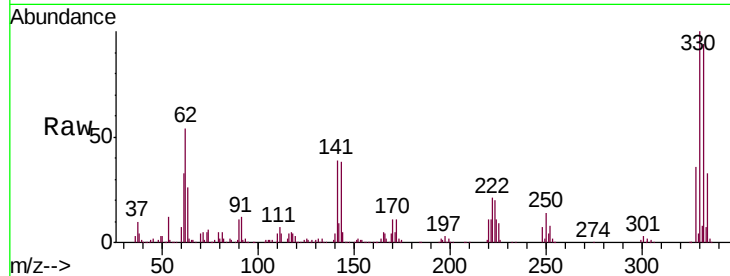




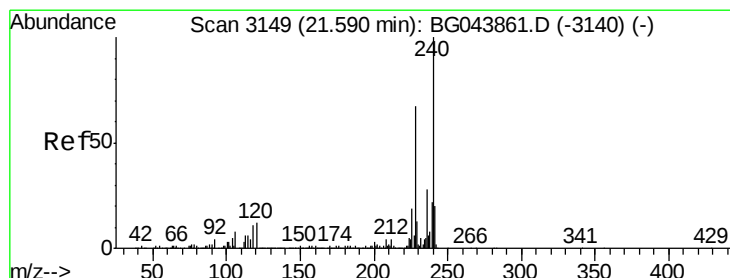
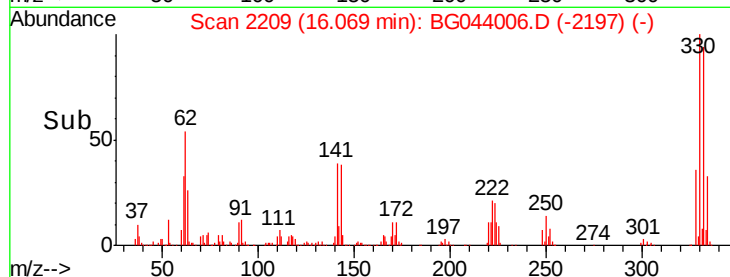
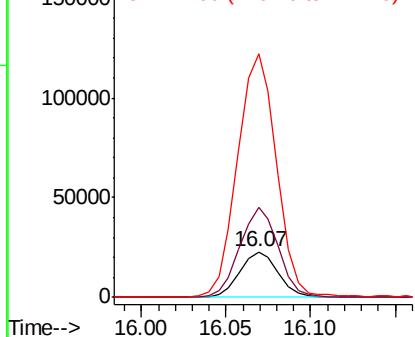
#67
4-Bromophenyl-phenylether
Concen: 4.818 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.46 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-B

Tgt Ion:248 Resp: 35833
Ion Ratio Lower Upper
248 100
250 195.9 78.2 117.2#
141 532.9 59.3 88.9#

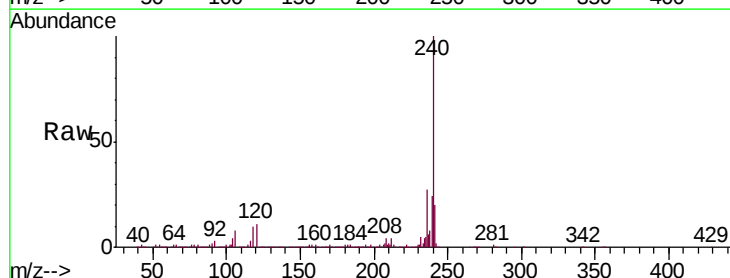


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

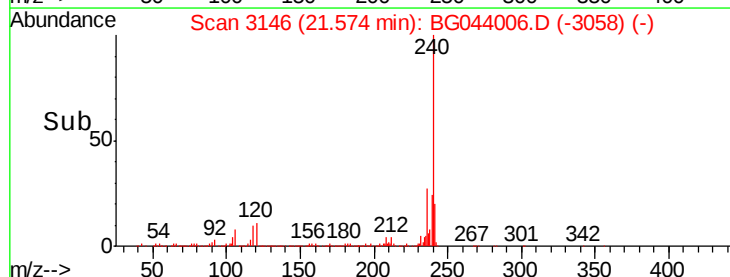
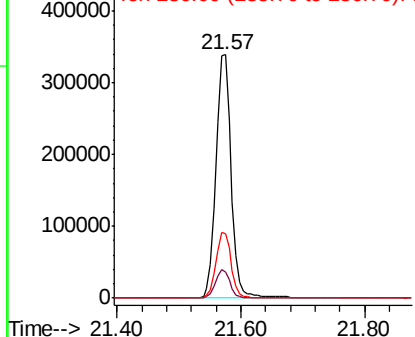


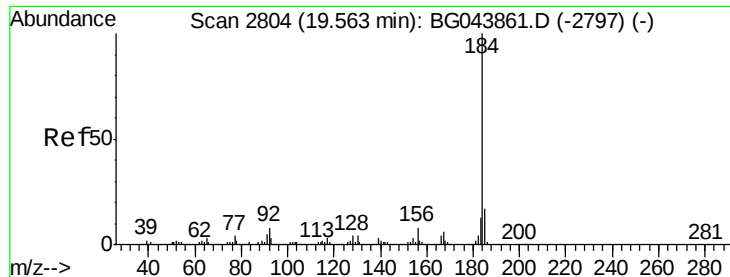
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Tgt Ion:240 Resp: 576017
Ion Ratio Lower Upper
240 100
120 10.6 9.6 14.4
236 26.6 22.2 33.2



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: 3.048 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG044006.D

Acq: 10 Jan 2020 17:32

Instrument :

BNA_G

ClientSampleId :

SOIL-B

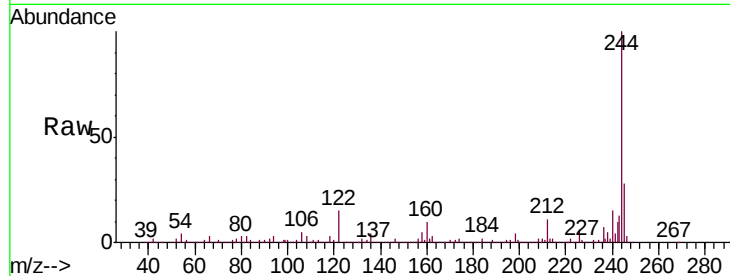
Tgt Ion:184 Resp: 44137

Ion Ratio Lower Upper

184 100

185 16.0 13.4 20.0

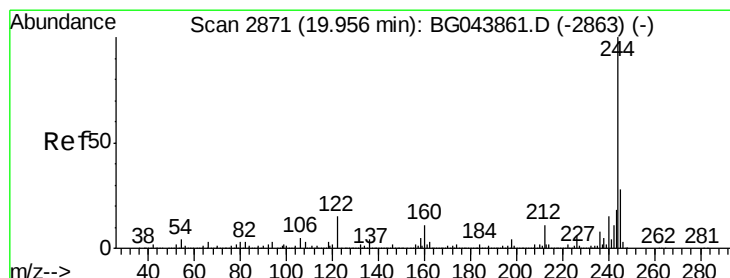
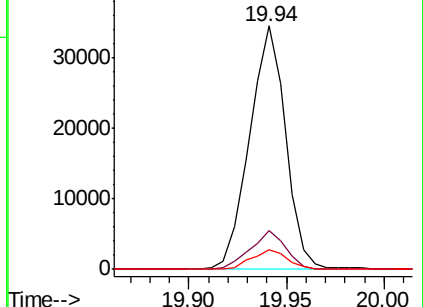
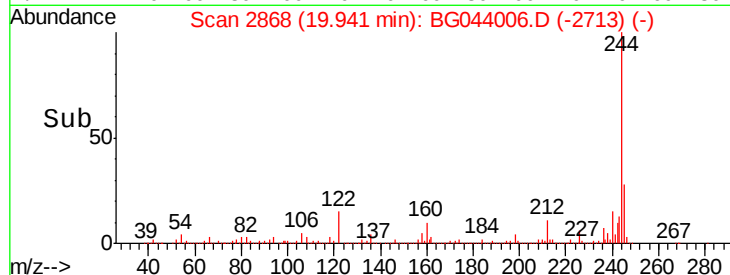
183 7.9 10.6 15.8#



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: 99.620 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BG044006.D

Acq: 10 Jan 2020 17:32

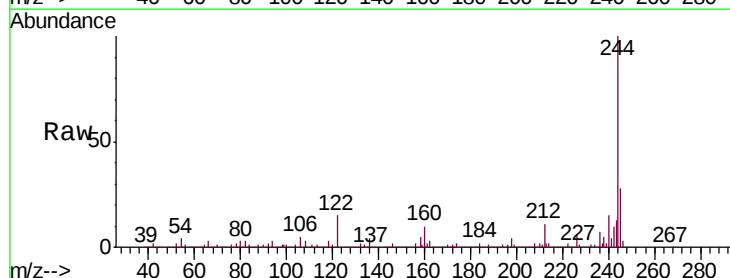
Tgt Ion:244 Resp: 2277659

Ion Ratio Lower Upper

244 100

212 10.7 8.6 13.0

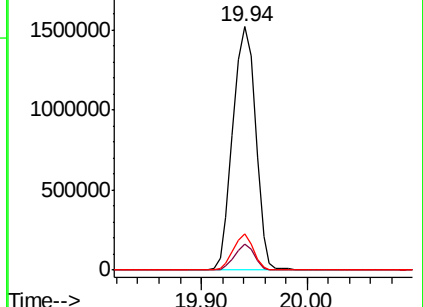
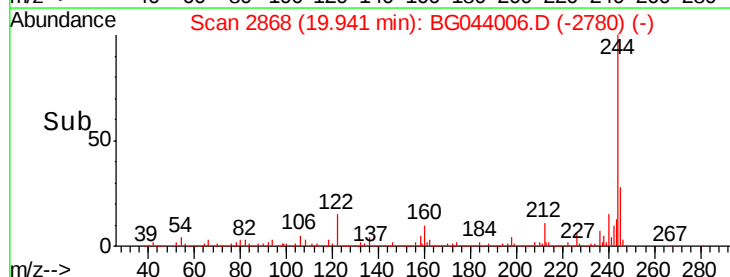
122 14.8 11.9 17.9

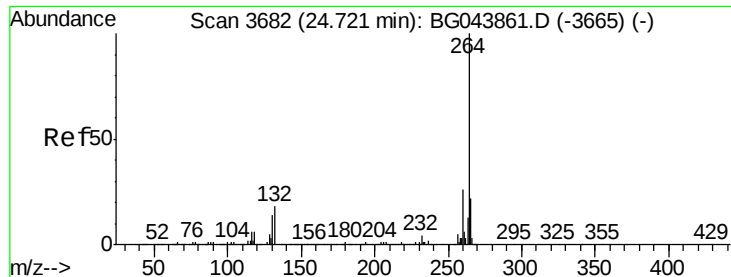


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.69 min Scan# 3676
Delta R.T. -0.03 min
Lab File: BG044006.D
Acq: 10 Jan 2020 17:32

Instrument :
BNA_G
ClientSampleId :
SOIL-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.4	30.6
265	21.7	17.4	26.2

