

Data File : BG044001.D
Acq On : 10 Jan 2020 14:17
Operator : JU
Sample : L1064-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-A

Quant Time: Jan 11 04:13:08 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

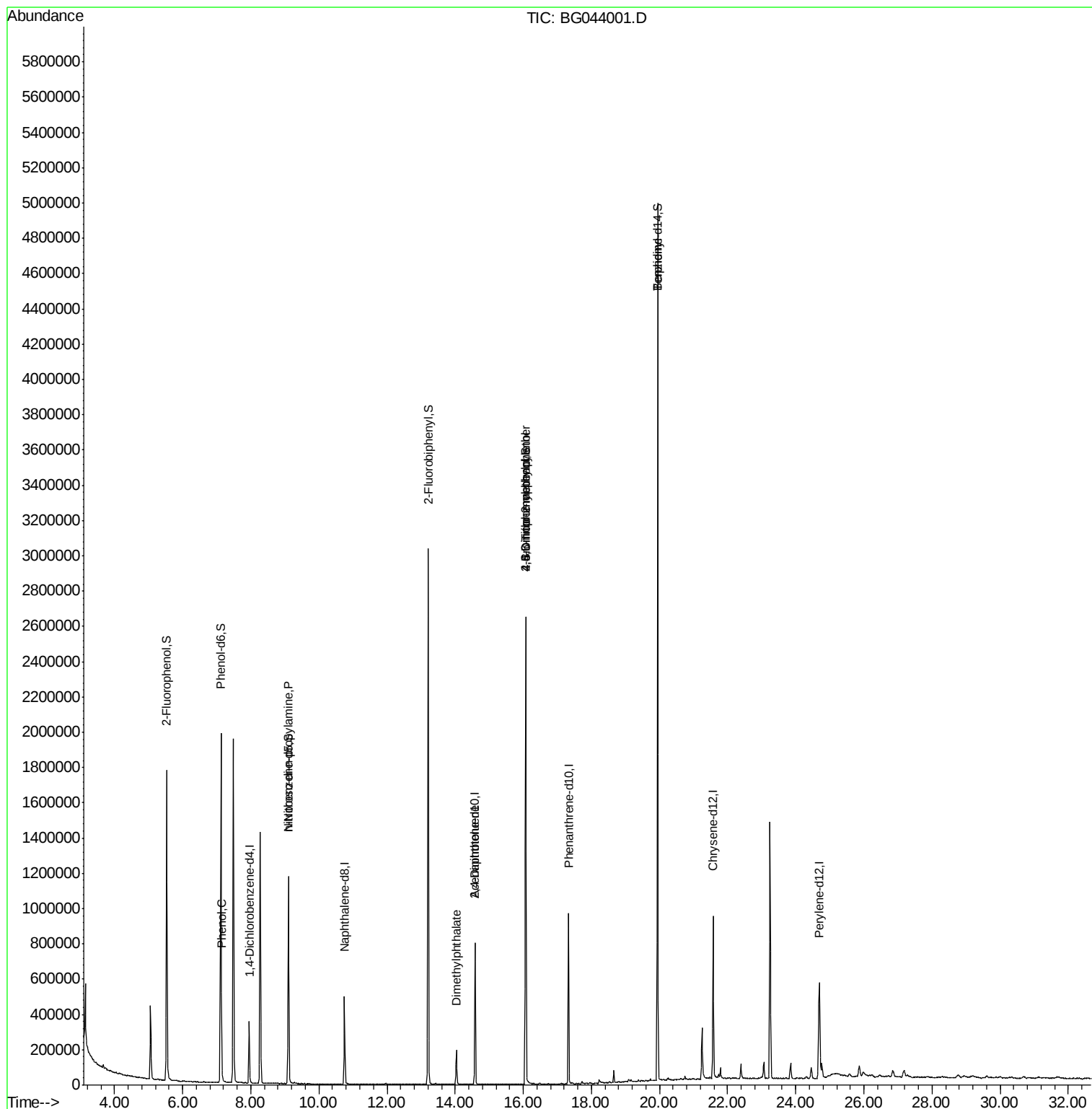
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	108589	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	454236	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	288156	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	606343	20.00	ng	0.00
76) Chrysene-d12	21.57	240	517538	20.00	ng	-0.02
87) Perylene-d12	24.69	264	577243	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	881010	148.97	ng	0.00
7) Phenol-d6	7.12	99	1265602	153.10	ng	0.00
23) Nitrobenzene-d5	9.11	82	748670	88.17	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	471695	156.42	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1588810	99.90	ng	-0.02
79) Terphenyl-d14	19.94	244	2101409	103.44	ng	-0.02
Target Compounds						
10) Phenol	7.14	94	34280	4.025	ng	85
19) n-Nitroso-di-n-propylamine	9.11	70	97972	15.914	ng	# 76
50) Dimethylphthalate	14.04	163	146716	7.171	ng	# 97
57) 2,4-Dinitrotoluene	14.58	165	37078	5.892	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1540	4.838	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	34103	5.001	ng	# 1
77) Benizidine	19.94	184	39018	2.999	ng	# 94

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

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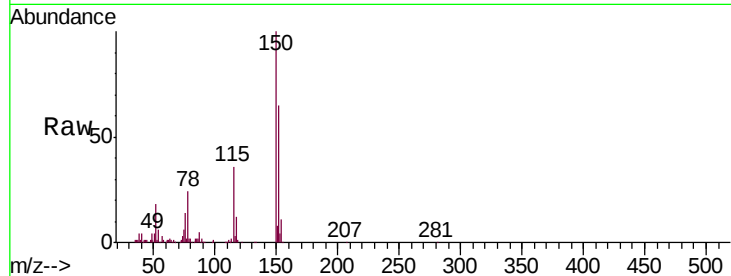


#1

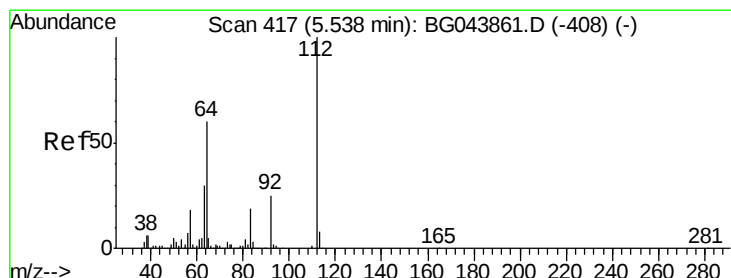
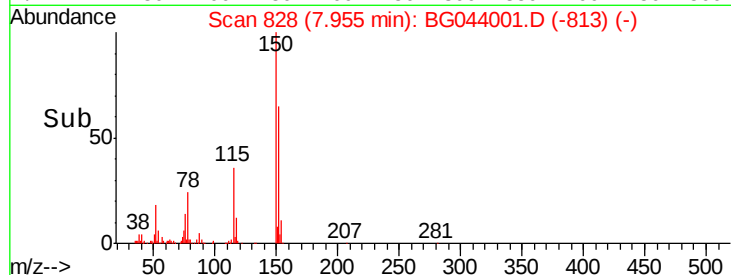
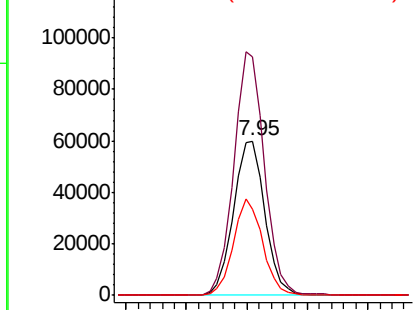
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044001.D
Acq: 10 Jan 2020 14:17

Instrument :
BNA_G
ClientSampleId :
SOIL-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.1	127.0	190.4
115	55.6	47.8	71.8



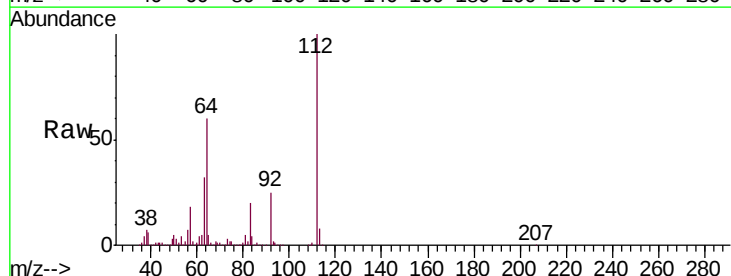
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



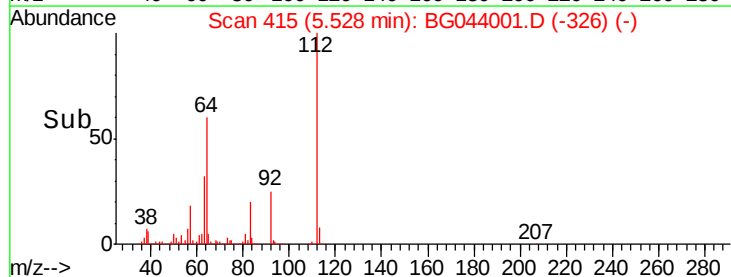
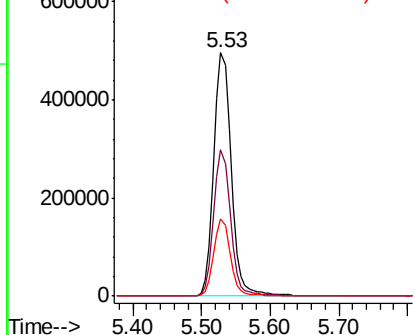
#5

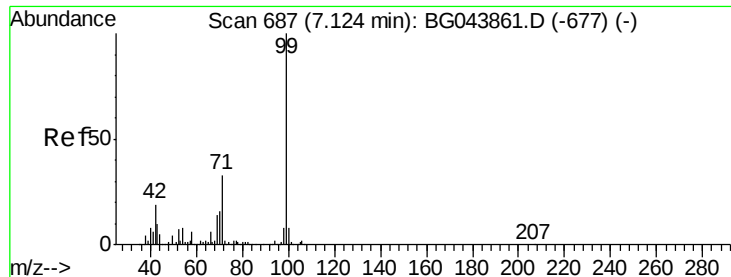
2-Fluorophenol
Concen: 148.969 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044001.D
Acq: 10 Jan 2020 14:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.8	71.6
63	31.7	24.3	36.5



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





#7

Phenol-d6

Concen: 153.095 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Instrument :

BNA_G

ClientSampleId :

SOIL-A

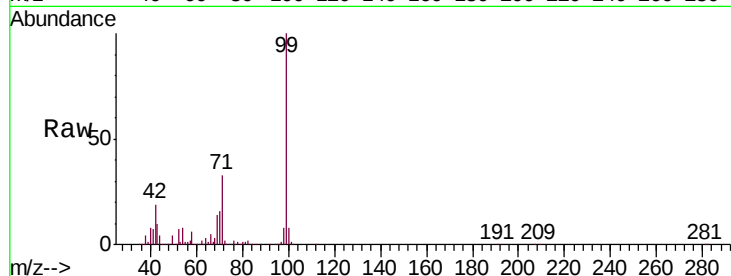
Tgt Ion: 99 Resp: 1265602

Ion Ratio Lower Upper

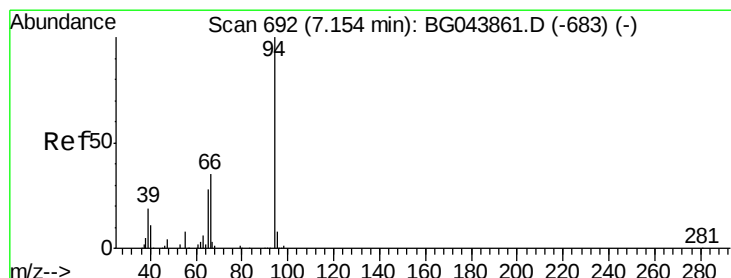
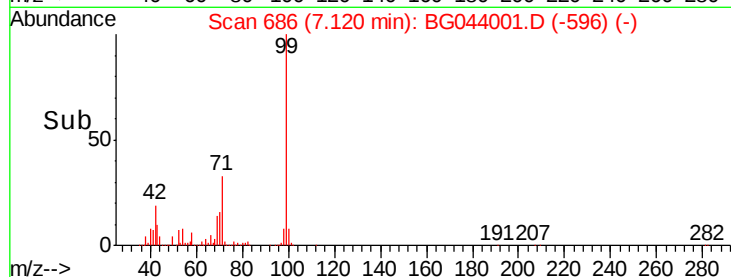
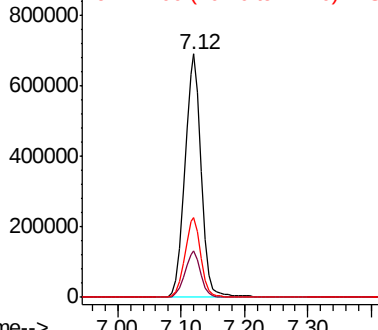
99 100

42 19.0 14.9 22.3

71 32.9 26.4 39.6



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



#10

Phenol

Concen: 4.025 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

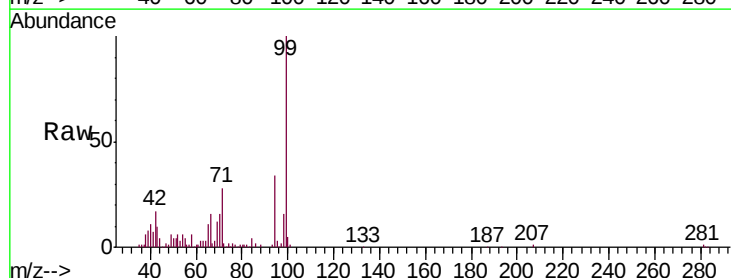
Tgt Ion: 94 Resp: 34280

Ion Ratio Lower Upper

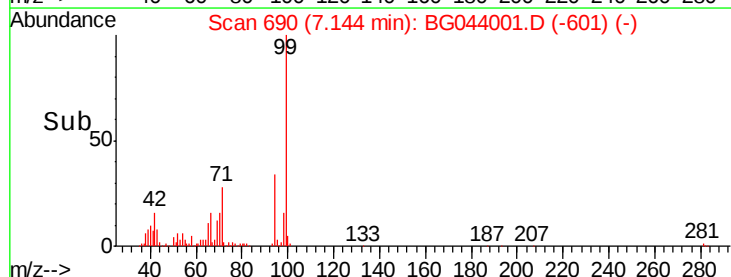
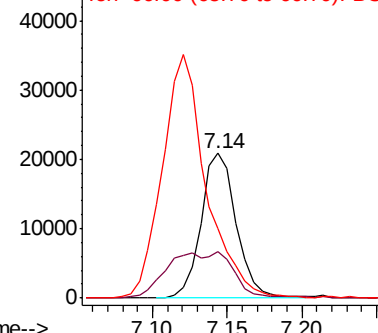
94 100

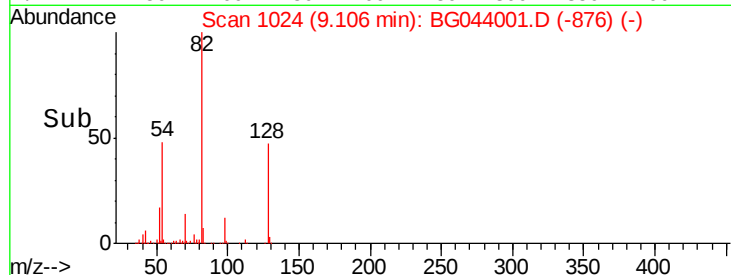
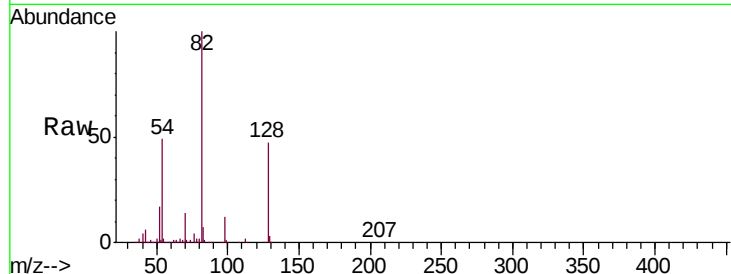
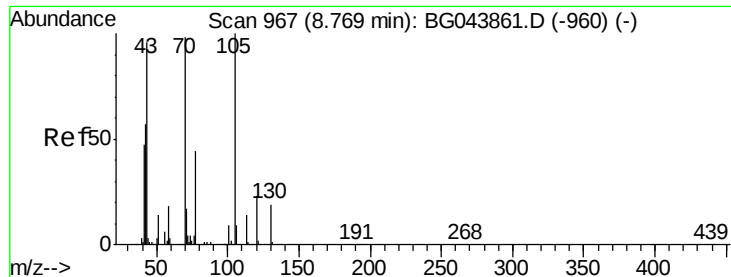
65 32.3 8.1 48.1

66 47.6 15.6 55.6



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

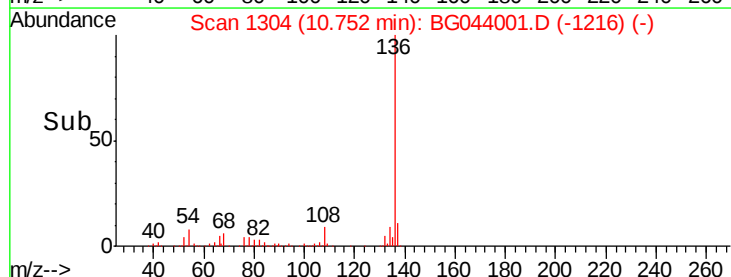
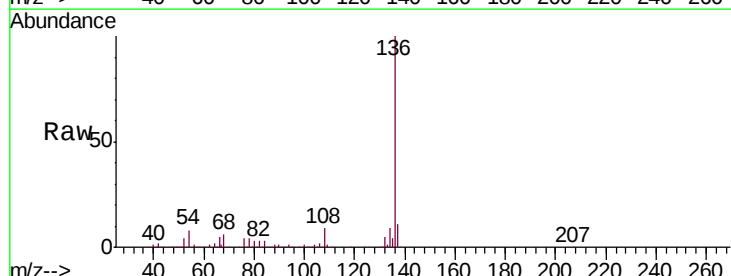
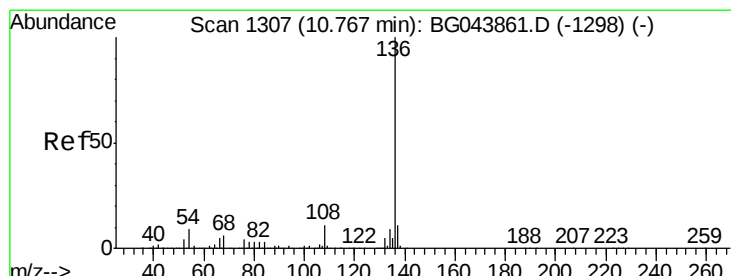
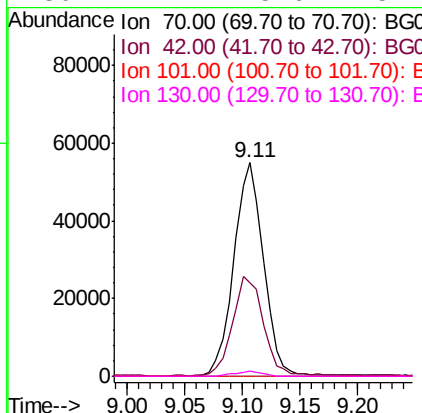




#19
n-Nitroso-di-n-propylamine
Concen: 15.914 ng
RT: 9.11 min Scan# 1024
Delta R.T. 0.34 min
Lab File: BG044001.D
Acq: 10 Jan 2020 14:17

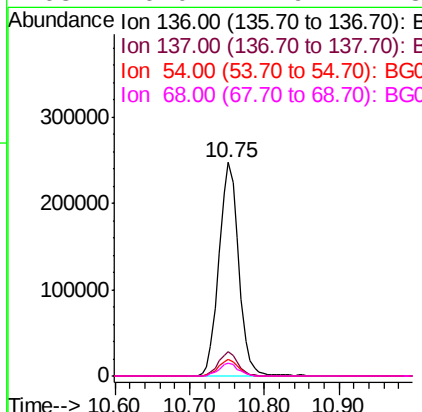
Instrument :
BNA_G
ClientSampleId :
SOIL-A

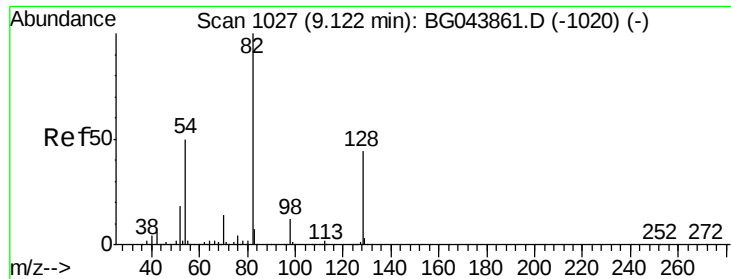
Tgt Ion:	70	Resp:	97972
Ion	Ratio	Lower	Upper
70	100		
42	44.0	47.0	70.4#
101	0.0	7.2	10.8#
130	2.2	15.6	23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044001.D
Acq: 10 Jan 2020 14:17

Tgt Ion:	136	Resp:	454236
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.8	7.0	10.4
68	6.0	4.9	7.3

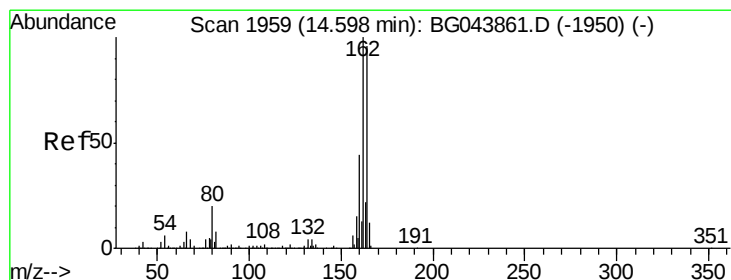
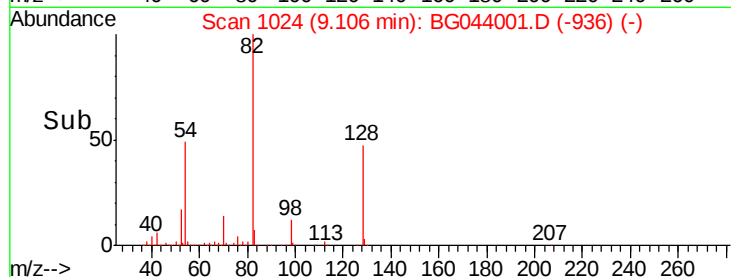
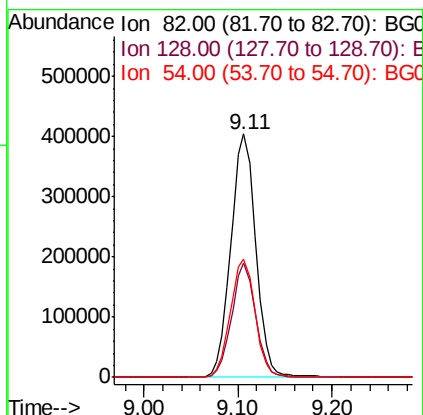
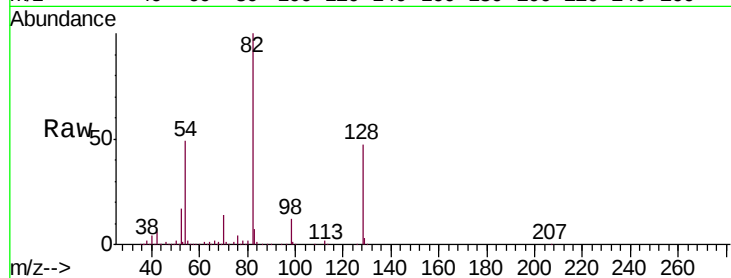




#23
 Nitrobenzene-d5
 Concen: 88.172 ng
 RT: 9.11 min Scan# 1024
 Delta R.T. -0.02 min
 Lab File: BG044001.D
 Acq: 10 Jan 2020 14:17

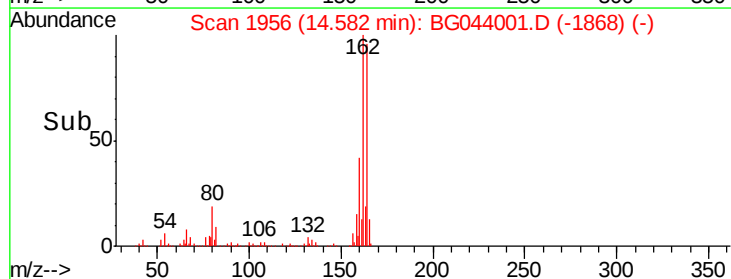
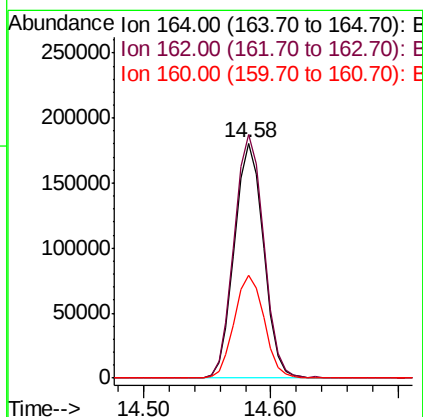
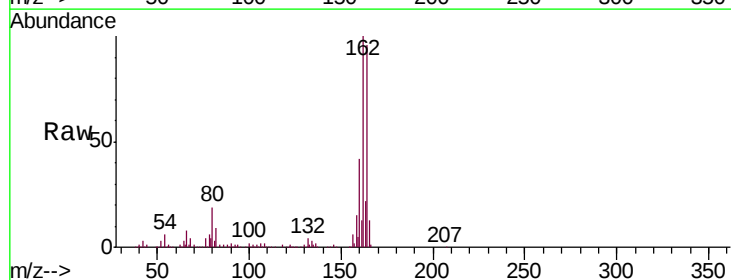
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-A

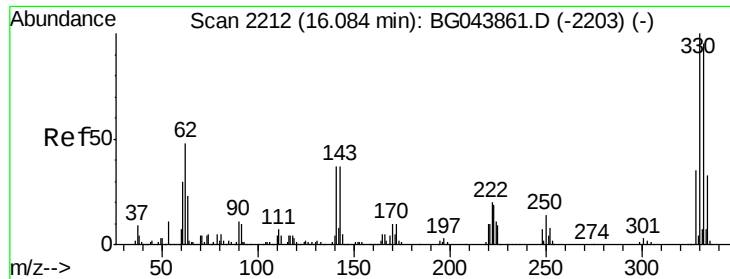
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.0	35.1	52.7
54	48.5	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: BG044001.D
 Acq: 10 Jan 2020 14:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.0	124.4
160	43.8	36.1	54.1

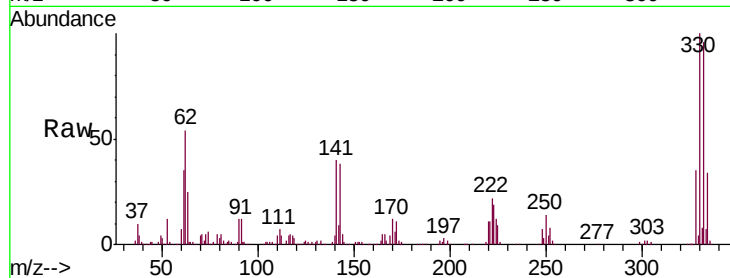




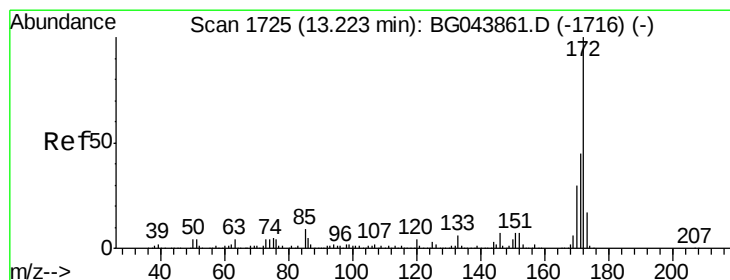
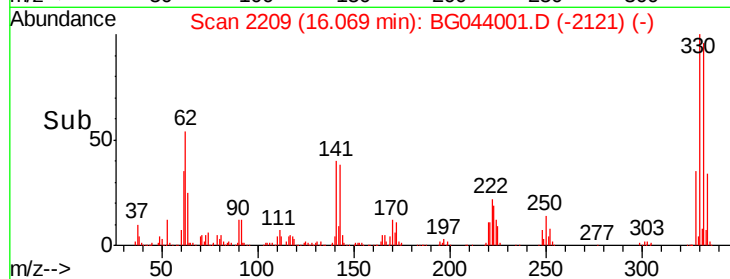
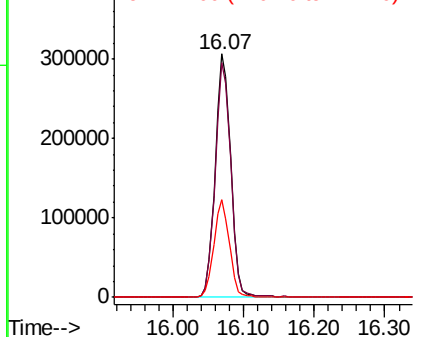
#42
 2,4,6-Tribromophenol
 Concen: 156.424 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044001.D
 Acq: 10 Jan 2020 14:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-A

Tgt Ion:330 Resp: 471695
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.2 115.8
 141 39.9 33.1 49.7

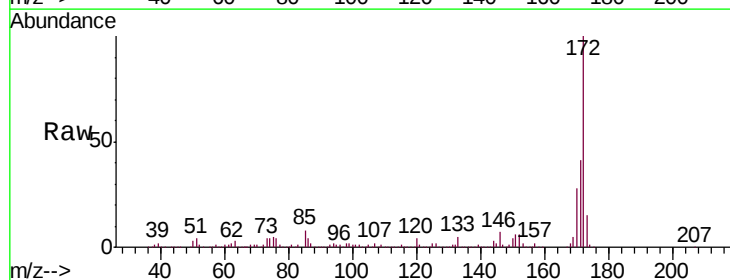


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

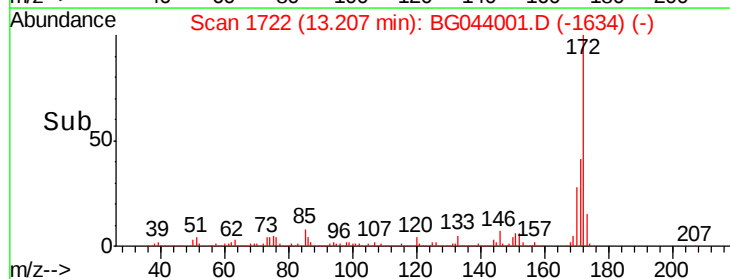
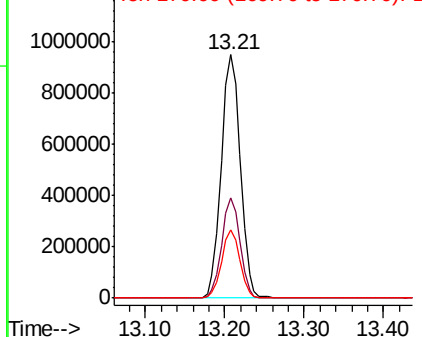


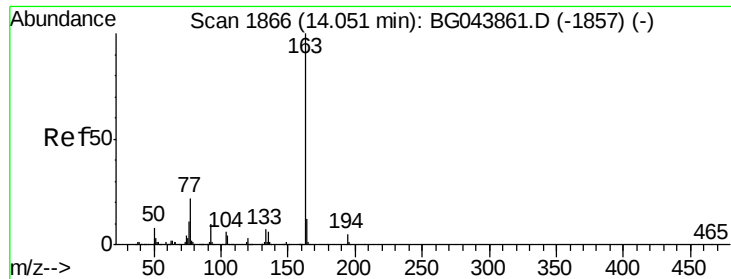
#45
 2-Fluorobiphenyl
 Concen: 99.896 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044001.D
 Acq: 10 Jan 2020 14:17

Tgt Ion:172 Resp: 1588810
 Ion Ratio Lower Upper
 172 100
 171 41.1 35.8 53.8
 170 28.0 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: 7.171 ng

RT: 14.04 min Scan# 1863

Delta R.T. -0.02 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Instrument :

BNA_G

ClientSampleId :

SOIL-A

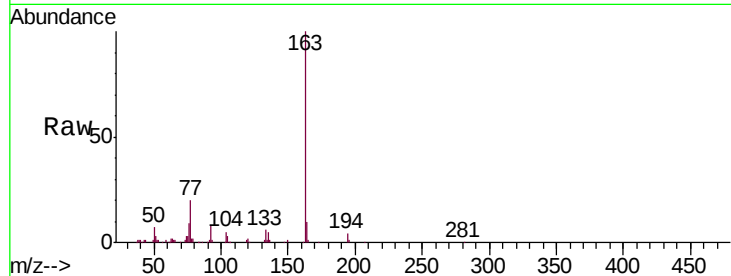
Tgt Ion:163 Resp: 146716

Ion Ratio Lower Upper

163 100

194 3.6 3.7 5.5#

164 10.3 9.3 13.9

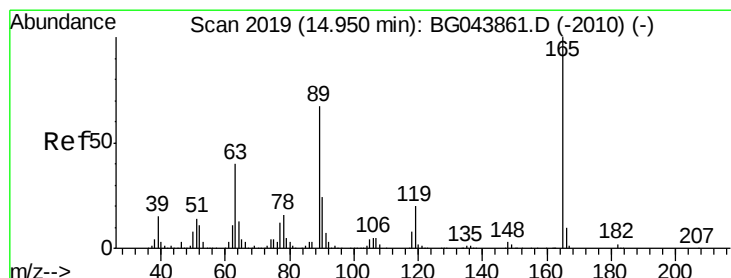
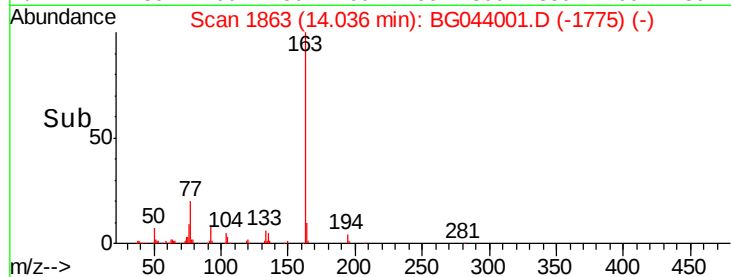
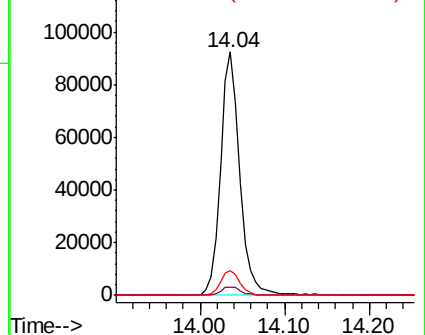


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.892 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.37 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Tgt Ion:165 Resp: 37078

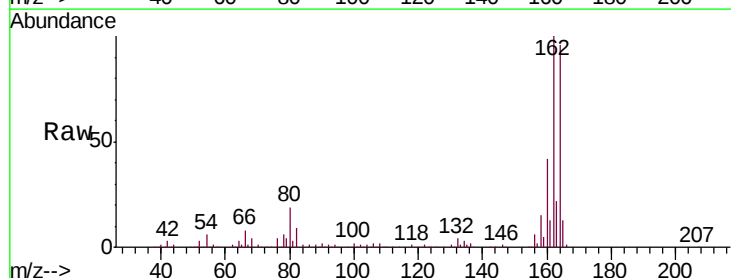
Ion Ratio Lower Upper

165 100

63 1.3 31.9 47.9#

89 1.5 53.8 80.6#

182 0.0 2.0 3.0#



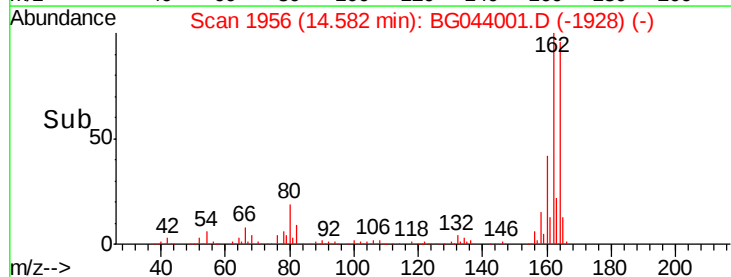
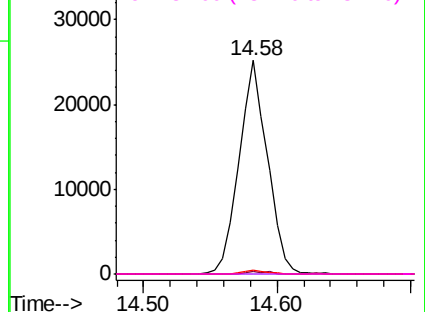
Abundance

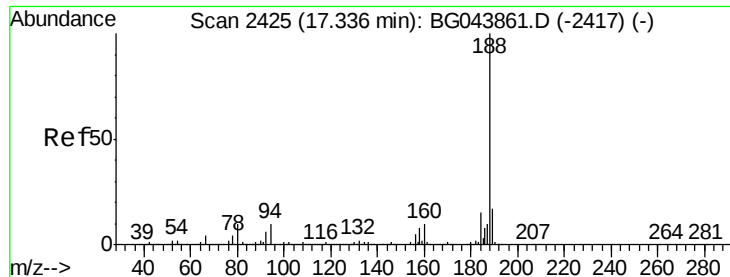
Ion 165.00 (164.70 to 165.70): E

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: 17.33 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Instrument :

BNA_G

ClientSampled :

SOIL-A

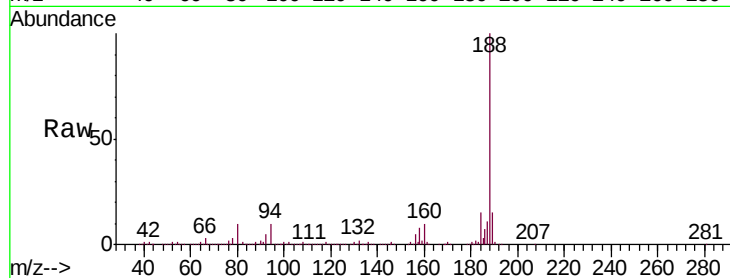
Tgt Ion:188 Resp: 606343

Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

80 10.2 8.2 12.4

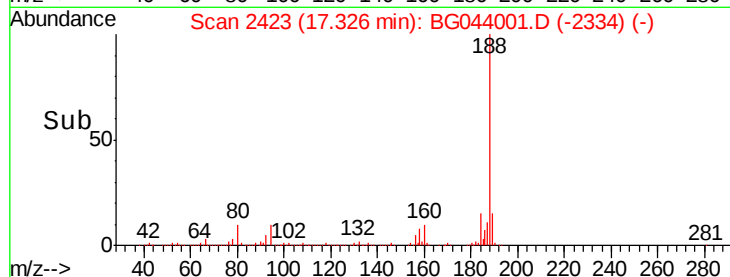


Abundance Ion 188.00 (187.70 to 188.70): E

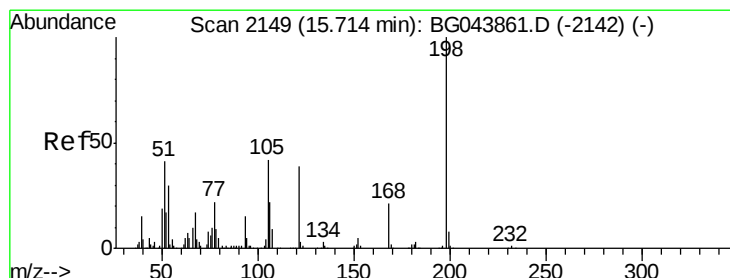
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.838 ng

RT: 16.07 min Scan# 2209

Delta R.T. 0.35 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

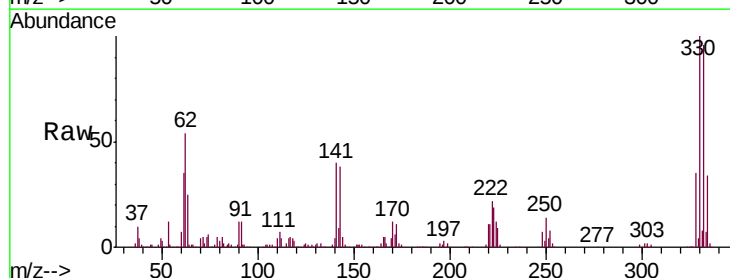
Tgt Ion:198 Resp: 1540

Ion Ratio Lower Upper

198 100

51 116.0 22.5 62.5#

105 147.2 22.3 62.3#

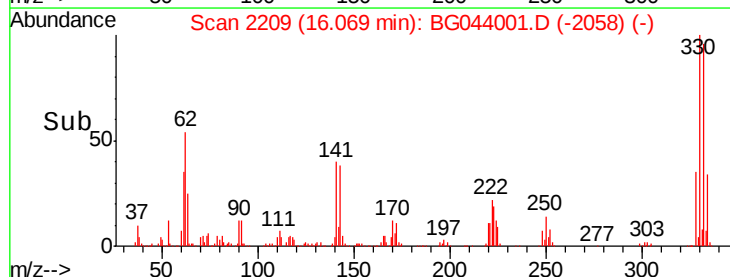


Abundance Ion 198.00 (197.70 to 198.70): E

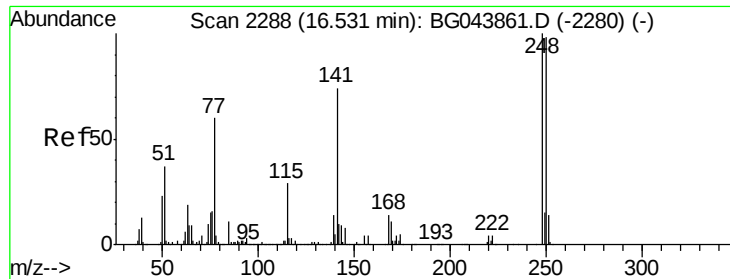
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->



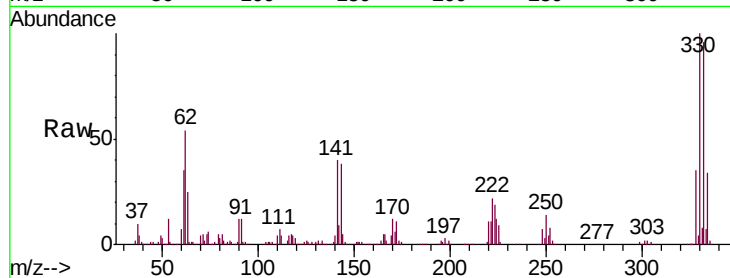
Time-->



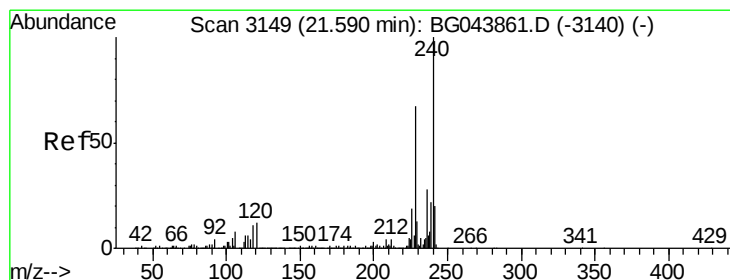
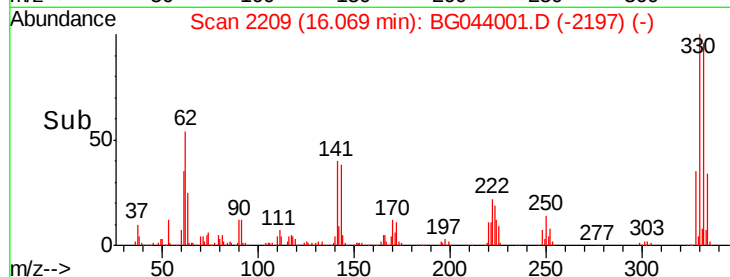
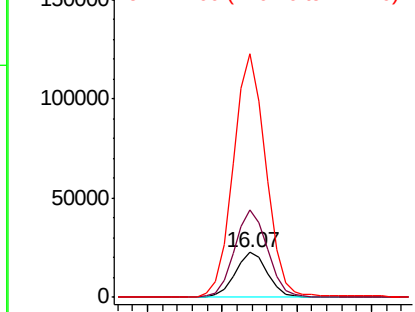
#67
4-Bromophenyl-phenylether
Concen: 5.001 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.46 min
Lab File: BG044001.D
Acq: 10 Jan 2020 14:17

Instrument :
BNA_G
ClientSampleId :
SOIL-A

Tgt Ion:248 Resp: 34103
Ion Ratio Lower Upper
248 100
250 194.4 78.2 117.2#
141 544.5 59.3 88.9#

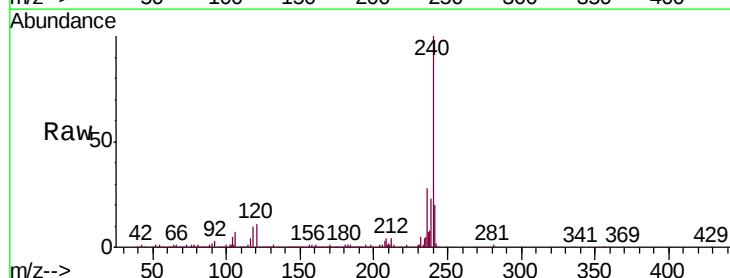


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

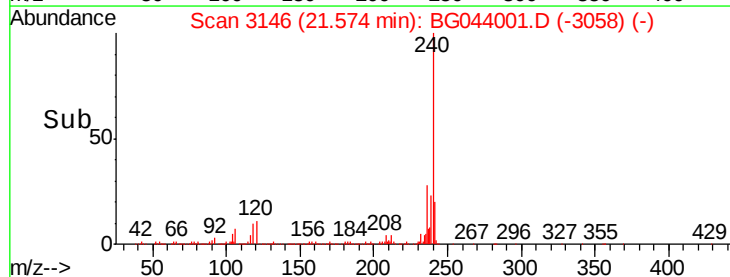
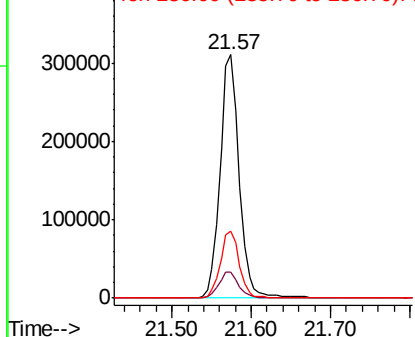


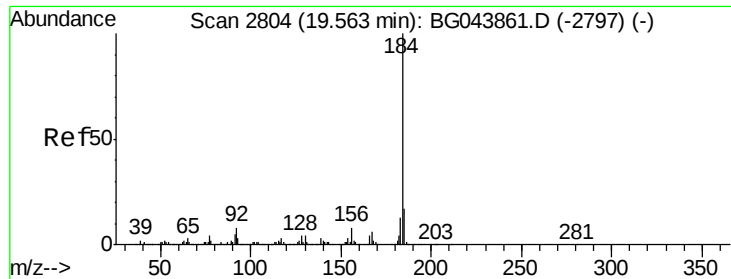
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG044001.D
Acq: 10 Jan 2020 14:17

Tgt Ion:240 Resp: 517538
Ion Ratio Lower Upper
240 100
120 10.9 9.6 14.4
236 27.6 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: 2.999 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Instrument :

BNA_G

ClientSampleId :

SOIL-A

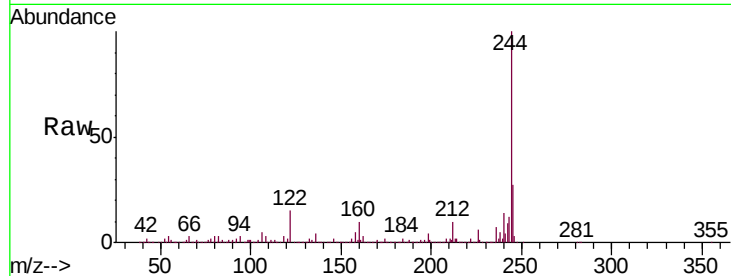
Tgt Ion:184 Resp: 39018

Ion Ratio Lower Upper

184 100

185 16.8 13.4 20.0

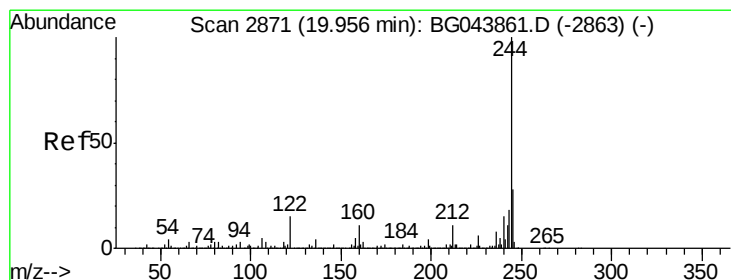
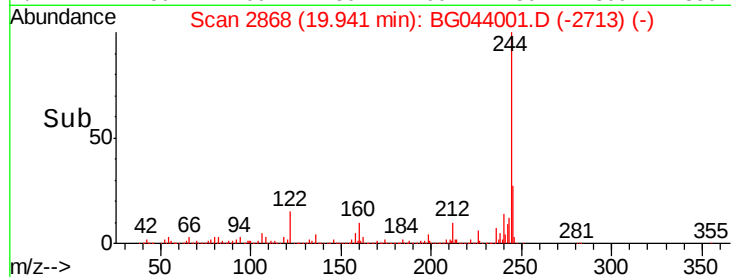
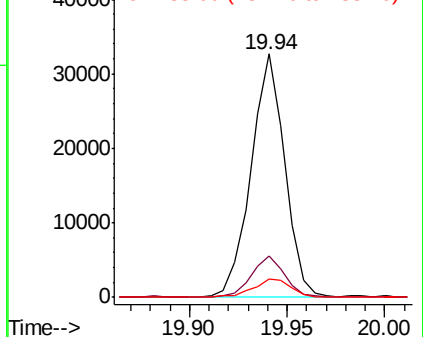
183 7.5 10.6 15.8#



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: 103.436 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

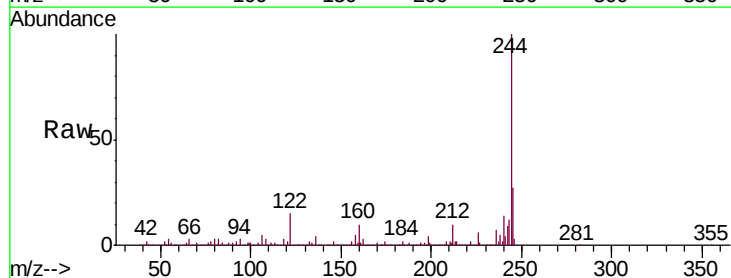
Tgt Ion:244 Resp: 2101409

Ion Ratio Lower Upper

244 100

212 10.3 8.6 13.0

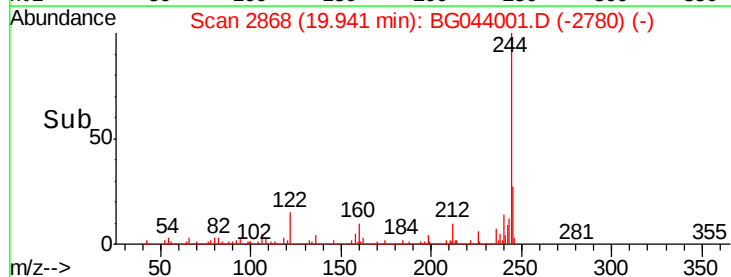
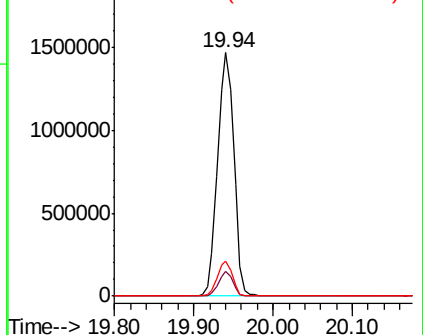
122 14.5 11.9 17.9

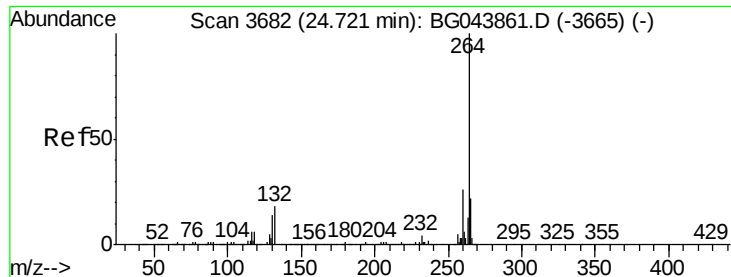


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG044001.D
Acq: 10 Jan 2020 14:17

Instrument :
BNA_G
ClientSampleId :
SOIL-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.4	30.6
265	21.2	17.4	26.2

