

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030719\
 Data File : BG039804.D
 Acq On : 7 Mar 2019 16:11
 Operator : JU/SJ
 Sample : K1780-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-A

Quant Time: Mar 07 23:52:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

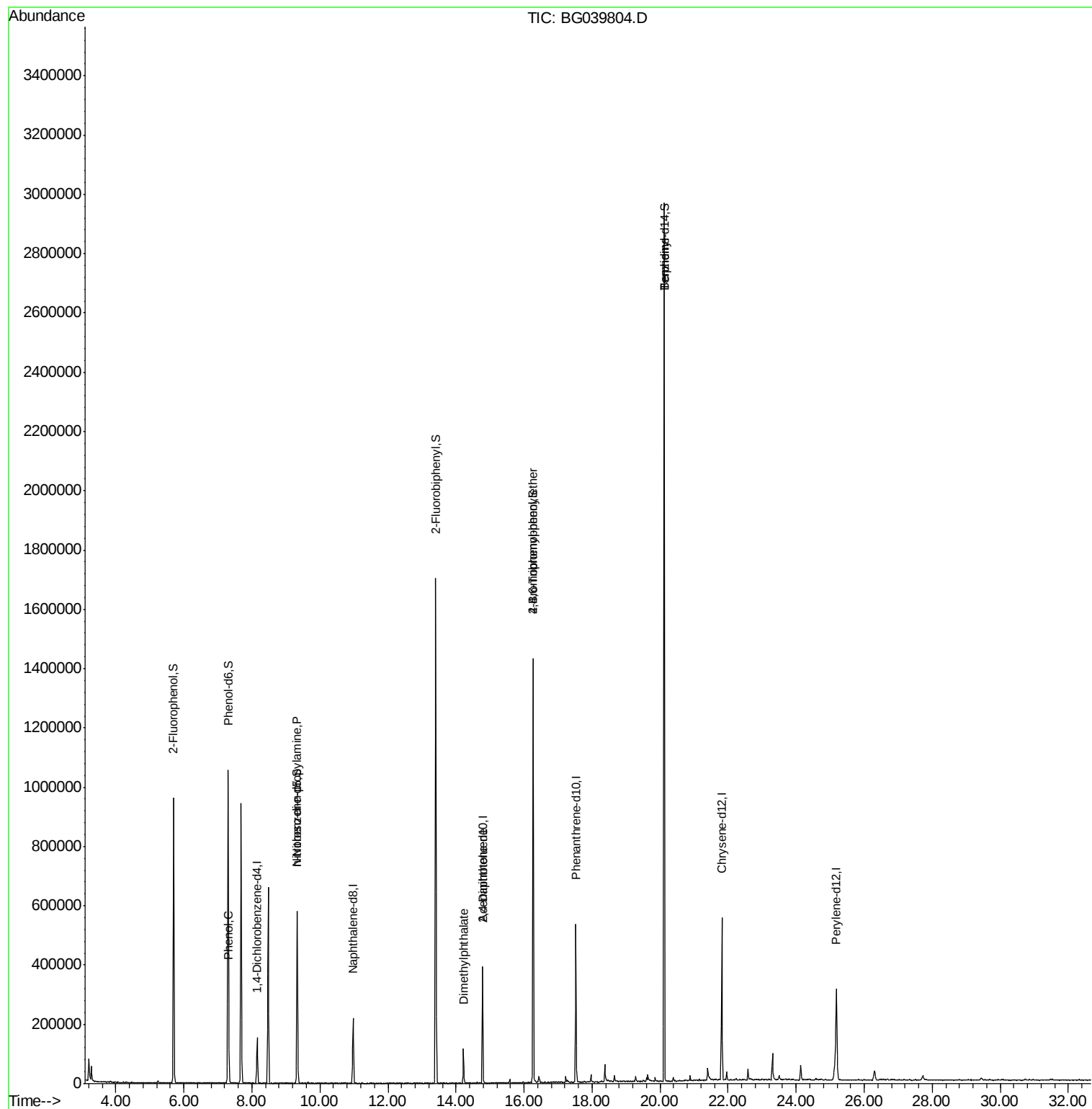
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	42182	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	190774	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	136383	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	327196	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	333646	20.00	ng	-0.02
87) Perylene-d12	25.18	264	336277	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	399407	161.54	ng	-0.01
7) Phenol-d6	7.30	99	590044	160.05	ng	-0.01
23) Nitrobenzene-d5	9.33	82	352933	100.06	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	246732	155.21	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	905987	94.58	ng	-0.01
79) Terphenyl-d14	20.12	244	1374215	90.69	ng	0.00
Target Compounds						
10) Phenol	7.33	94	14411	3.608	ng	83
19) n-Nitroso-di-n-propylamine	9.33	70	46611	17.565	ng	# 70
50) Dimethylphthalate	14.22	163	78647	6.896	ng	97
57) 2,4-Dinitrotoluene	14.78	165	17345	5.106	ng	# 19
67) 4-Bromophenyl-phenylether	16.27	248	20145	5.500	ng	# 1
77) Benzidine	20.12	184	26059	2.461	ng	# 92

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

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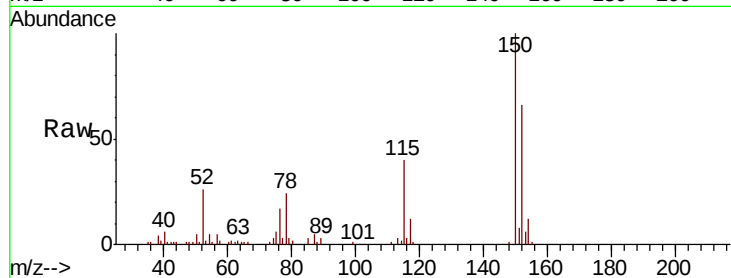


#1

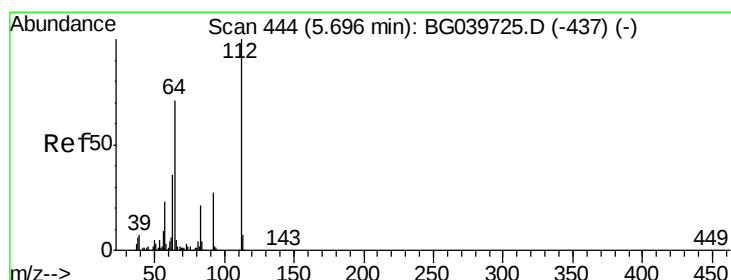
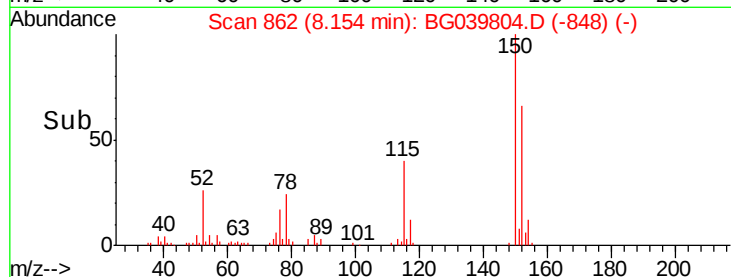
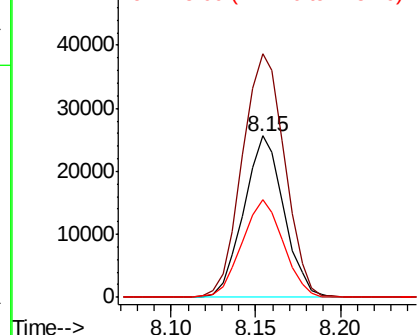
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039804.D
Acq: 7 Mar 2019 16:11

Instrument :
BNA_G
ClientSampleId :
SOIL-A

Tgt Ion:152 Resp: 42182
Ion Ratio Lower Upper
152 100
150 150.9 123.7 185.5
115 60.3 45.9 68.9



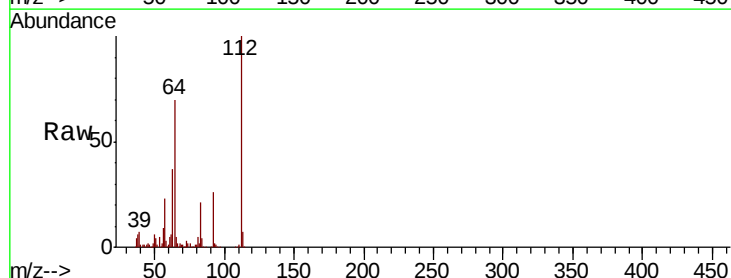
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



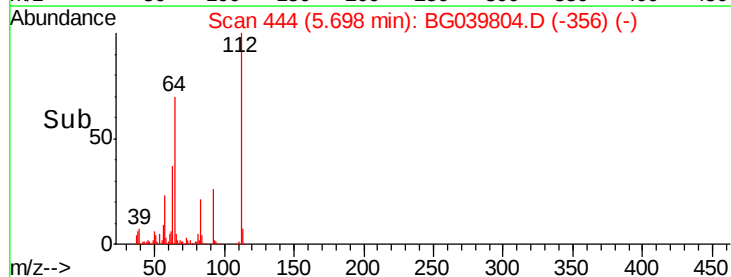
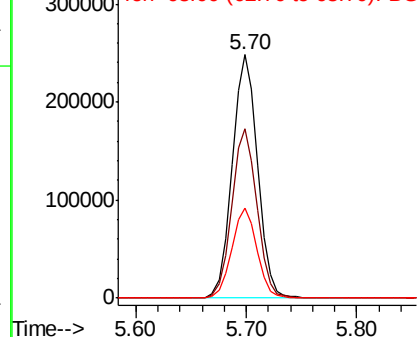
#5

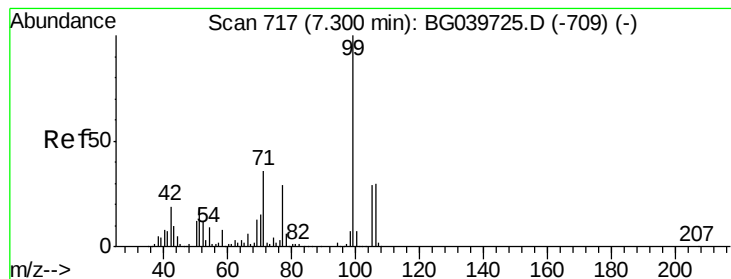
2-Fluorophenol
Concen: 161.536 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039804.D
Acq: 7 Mar 2019 16:11

Tgt Ion:112 Resp: 399407
Ion Ratio Lower Upper
112 100
64 69.6 57.8 86.8
63 37.0 29.8 44.6



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: 160.046 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039804.D

Acq: 7 Mar 2019 16:11

Instrument :

BNA_G

ClientSampleId :

SOIL-A

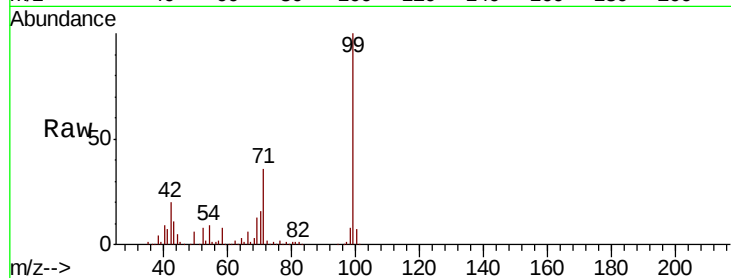
Tgt Ion: 99 Resp: 590044

Ion Ratio Lower Upper

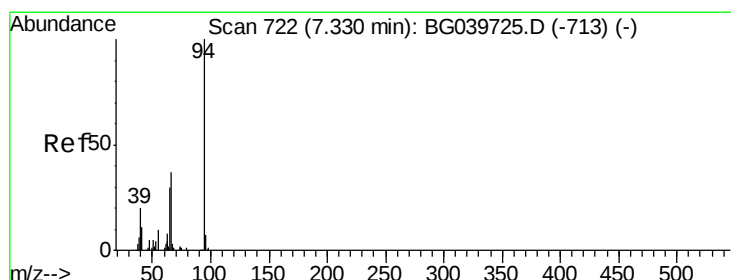
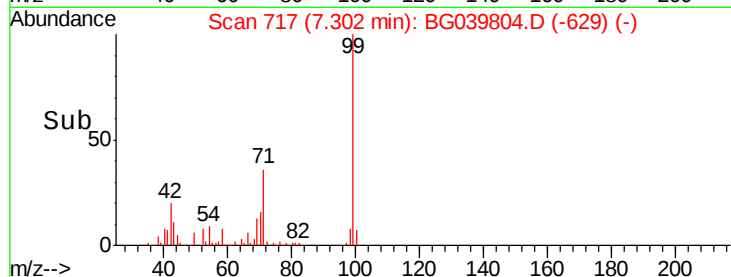
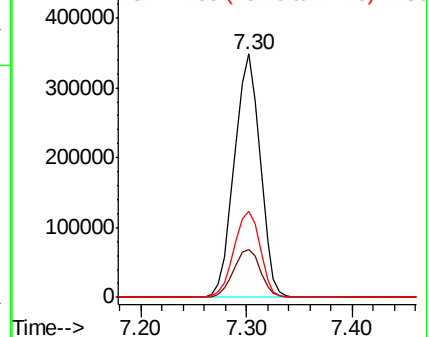
99 100

42 19.9 18.2 27.2

71 35.5 28.0 42.0



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: 3.608 ng

RT: 7.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BG039804.D

Acq: 7 Mar 2019 16:11

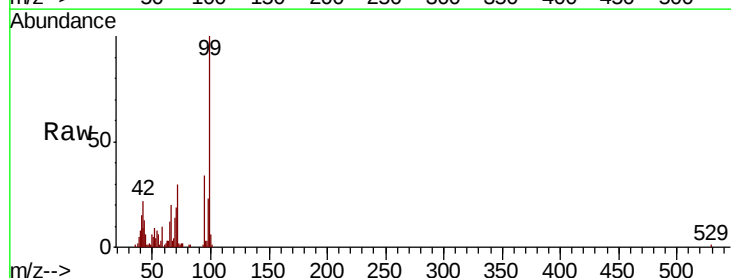
Tgt Ion: 94 Resp: 14411

Ion Ratio Lower Upper

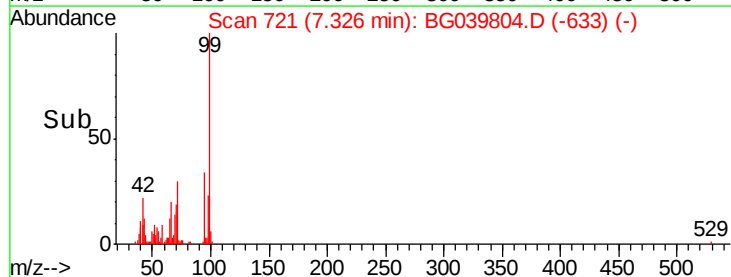
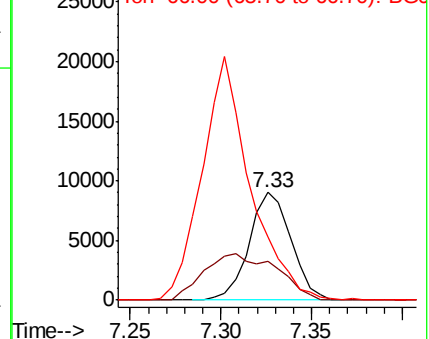
94 100

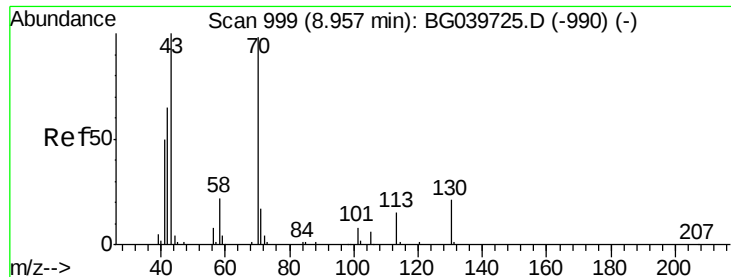
65 36.1 11.7 51.7

66 59.2 23.7 63.7



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: 17.565 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039804.D

Acq: 7 Mar 2019 16:11

Instrument :

BNA_G

ClientSampleId :

SOIL-A

Tgt Ion: 70 Resp: 46611

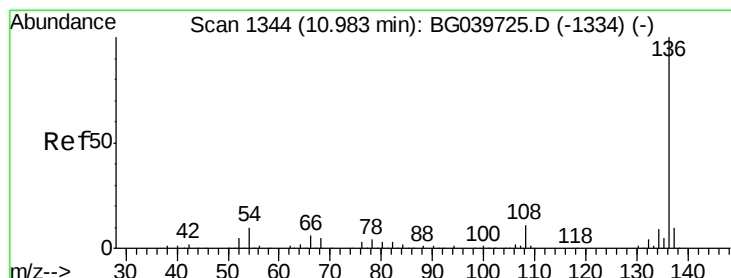
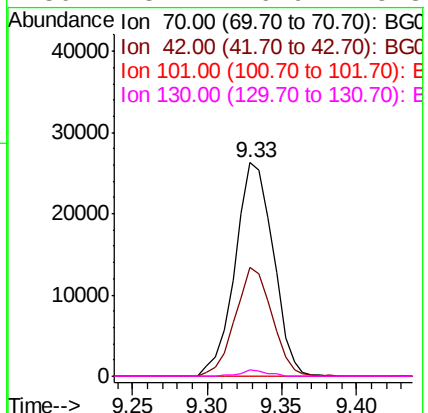
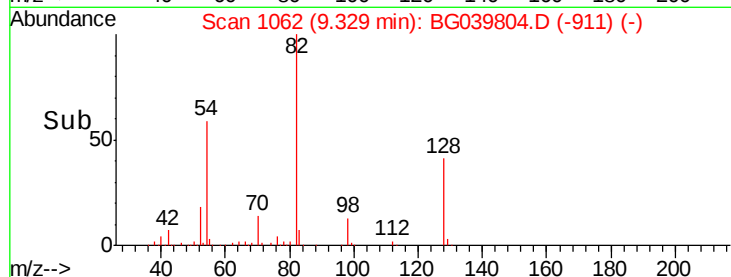
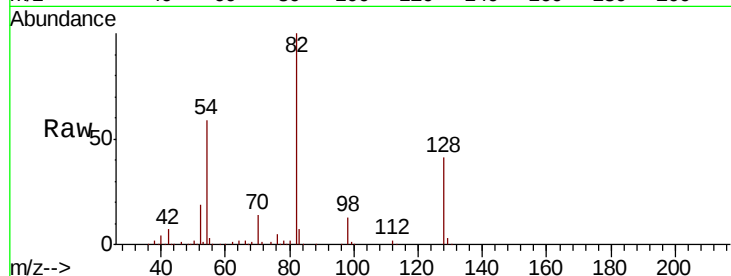
Ion Ratio Lower Upper

70 100

42 51.2 60.4 90.6#

101 0.0 7.5 11.3#

130 3.2 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.97 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BG039804.D

Acq: 7 Mar 2019 16:11

Tgt Ion: 136 Resp: 190774

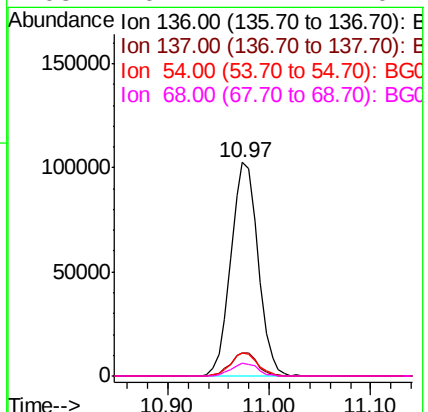
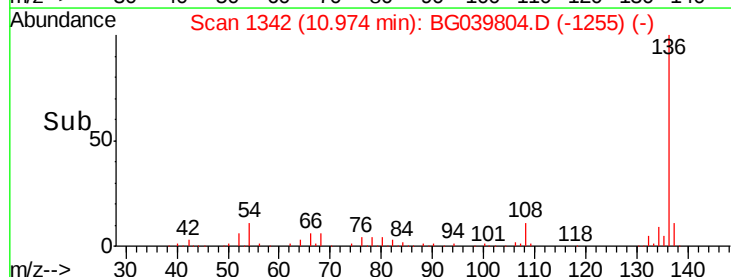
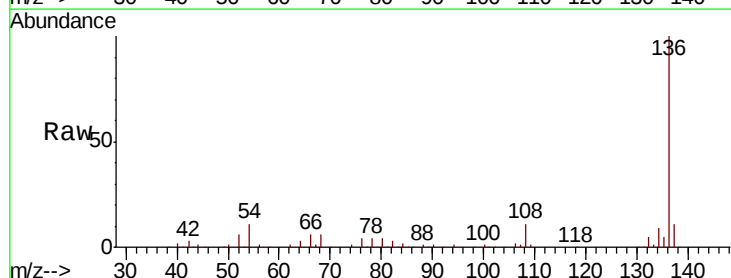
Ion Ratio Lower Upper

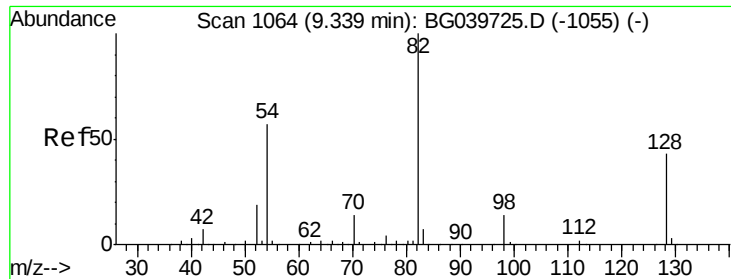
136 100

137 11.1 9.1 13.7

54 10.7 9.4 14.2

68 6.2 4.2 6.4

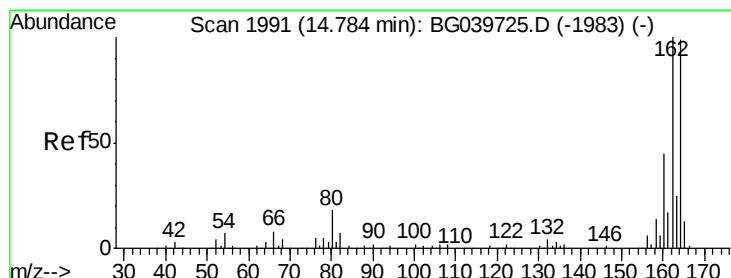
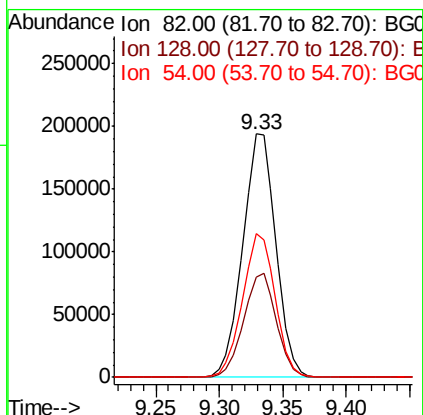
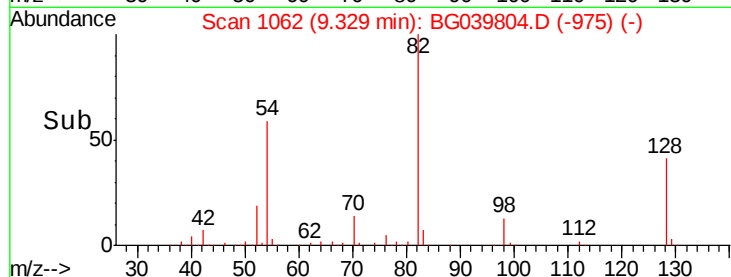
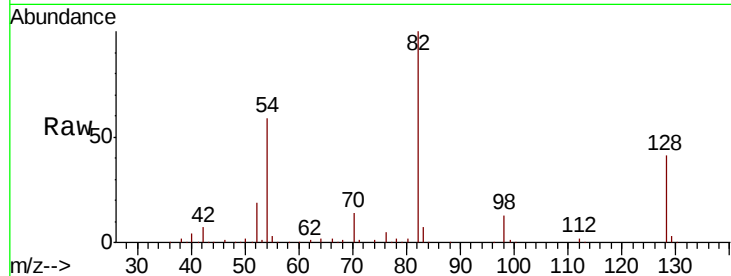




#23
Nitrobenzene-d5
Concen: 100.056 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039804.D
Acq: 7 Mar 2019 16:11

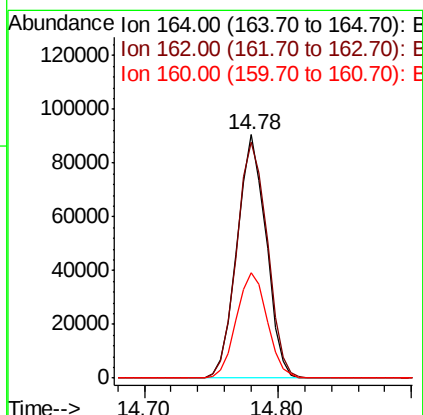
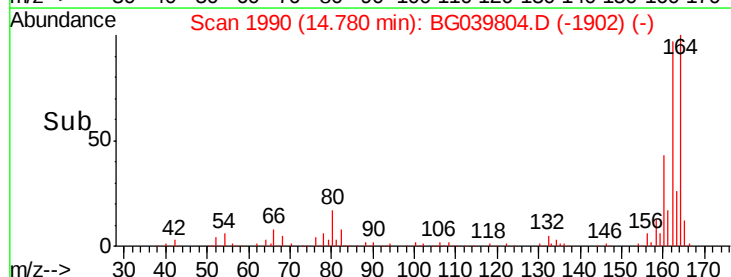
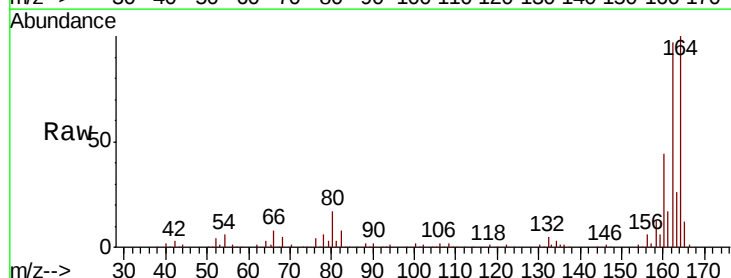
Instrument :
BNA_G
ClientSampled :
SOIL-A

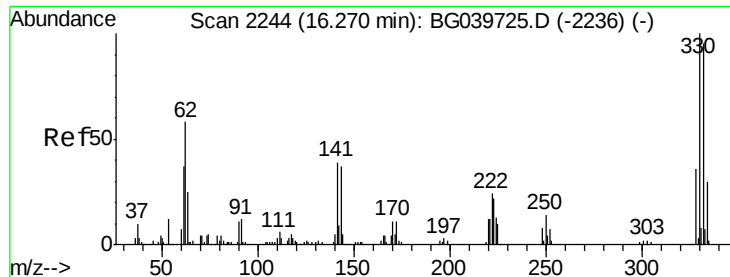
Tgt Ion: 82 Resp: 352933
Ion Ratio Lower Upper
82 100
128 41.3 31.3 46.9
54 58.9 50.9 76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BG039804.D
Acq: 7 Mar 2019 16:11

Tgt Ion: 164 Resp: 136383
Ion Ratio Lower Upper
164 100
162 97.0 81.6 122.4
160 43.5 34.2 51.2

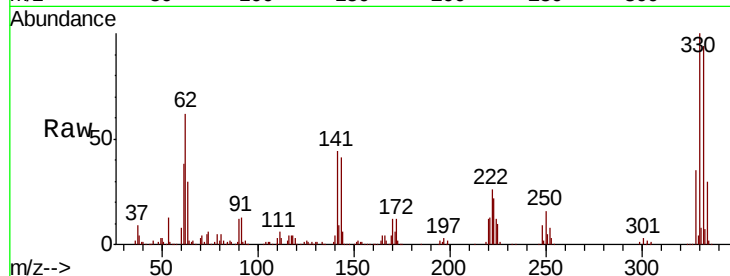




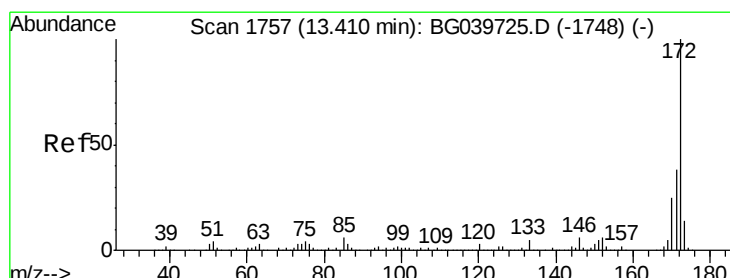
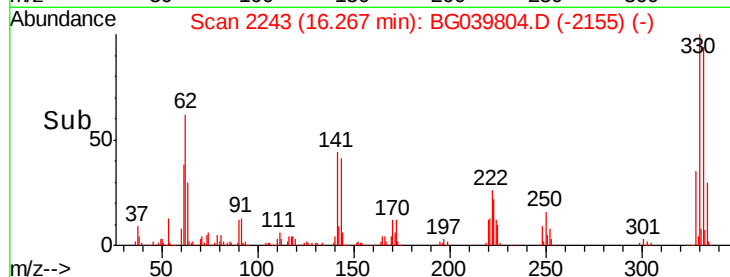
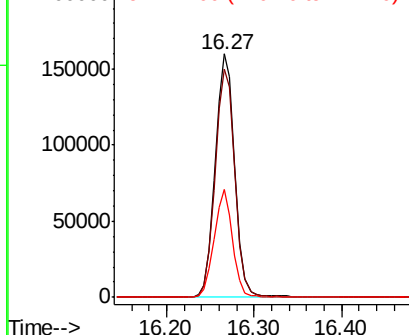
#42
 2,4,6-Tribromophenol
 Concen: 155.212 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BG039804.D
 Acq: 7 Mar 2019 16:11

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-A

Tgt Ion:330 Resp: 246732
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.7 113.5
 141 42.0 35.6 53.4

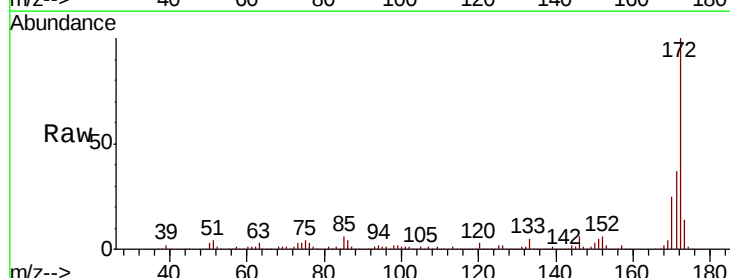


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

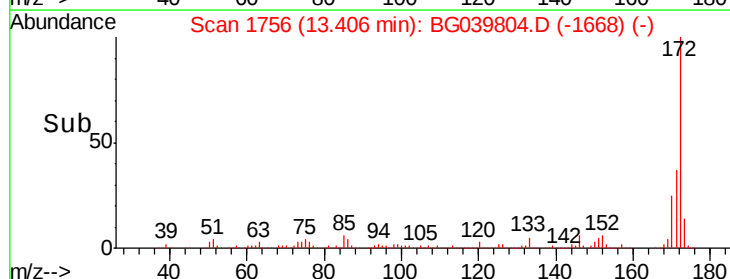
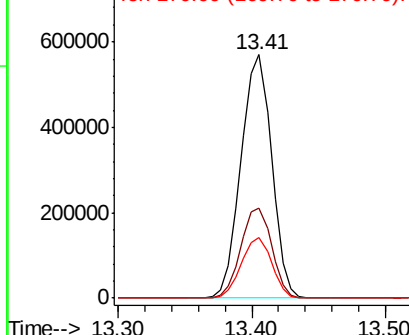


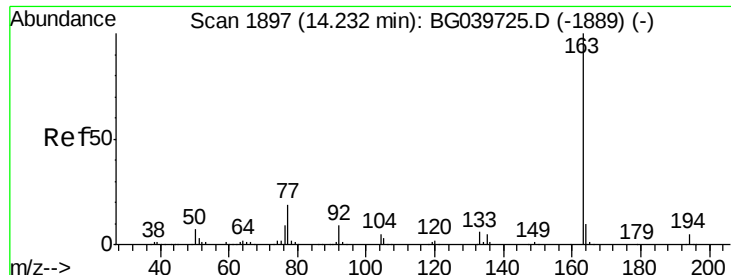
#45
 2-Fluorobiphenyl
 Concen: 94.584 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039804.D
 Acq: 7 Mar 2019 16:11

Tgt Ion:172 Resp: 905987
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.8 46.2
 170 25.0 20.2 30.4



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: 6.896 ng

RT: 14.22 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BG039804.D

Acq: 7 Mar 2019 16:11

Instrument :

BNA_G

ClientSampleId :

SOIL-A

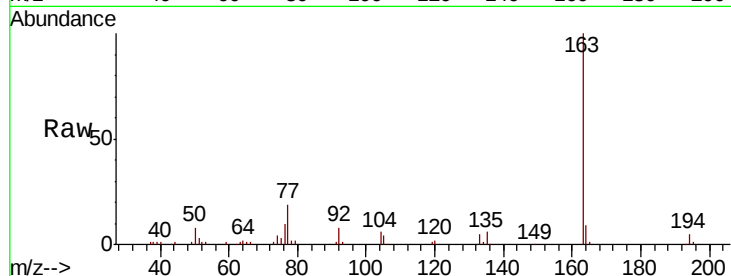
Tgt Ion:163 Resp: 78647

Ion Ratio Lower Upper

163 100

194 5.2 3.6 5.4

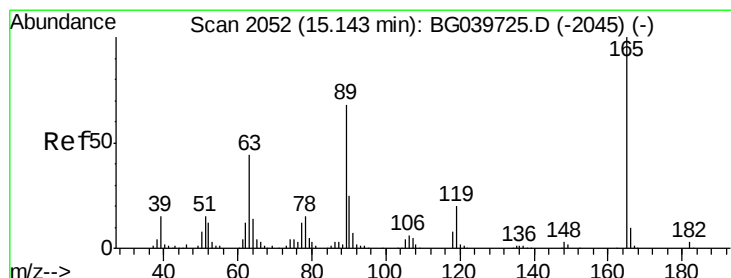
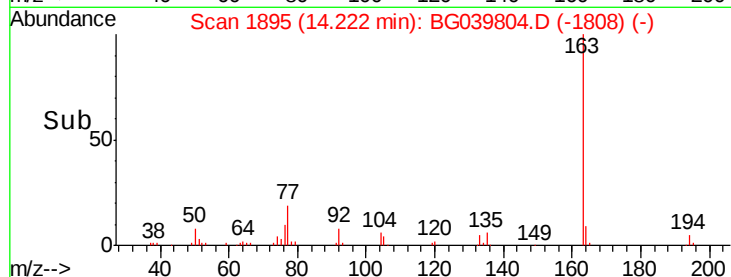
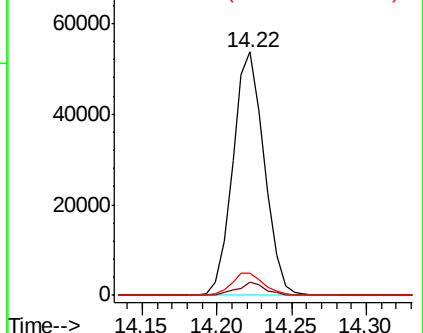
164 9.3 8.4 12.6



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: 5.106 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.37 min

Lab File: BG039804.D

Acq: 7 Mar 2019 16:11

Tgt Ion:165 Resp: 17345

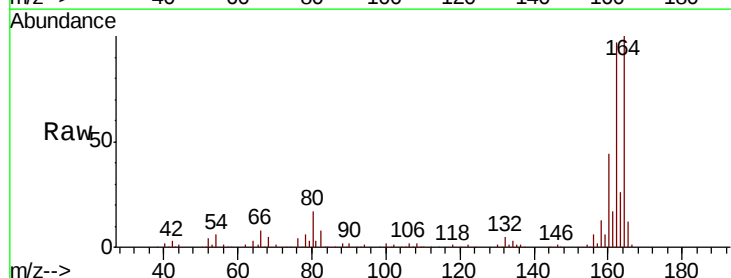
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.4 64.6 96.8#

182 0.0 2.0 3.0#

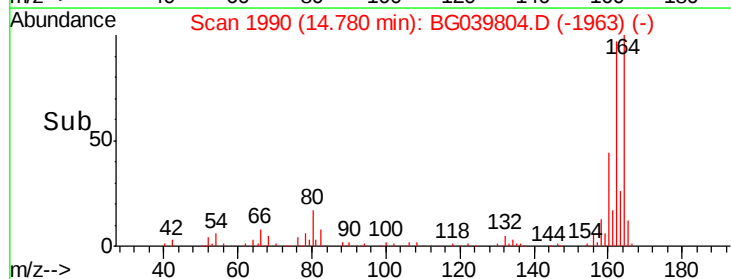
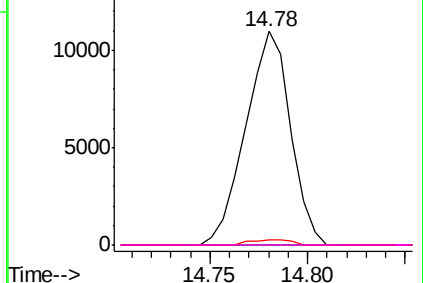


Abundance Ion 165.00 (164.70 to 165.70): E

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

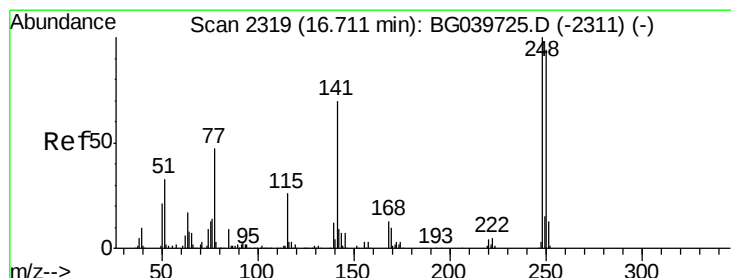
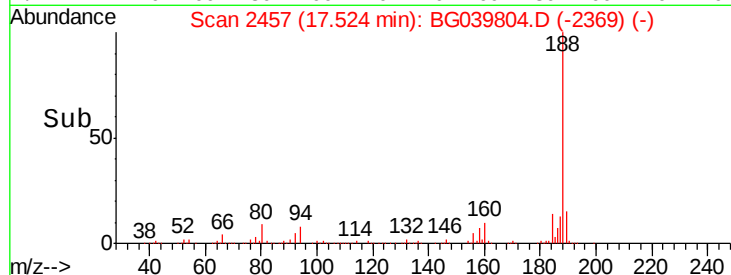
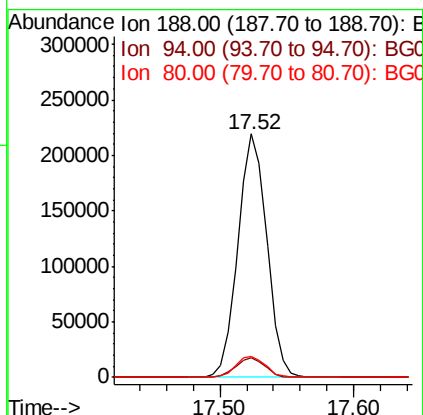
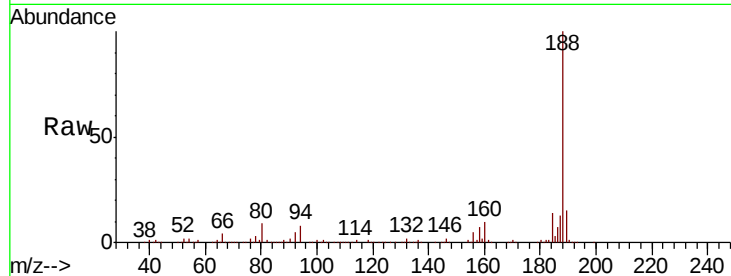




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG039804.D
 Acq: 7 Mar 2019 16:11

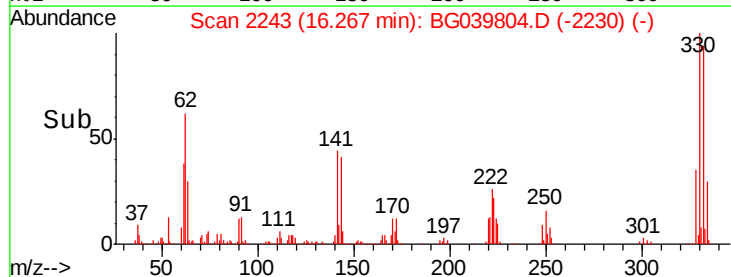
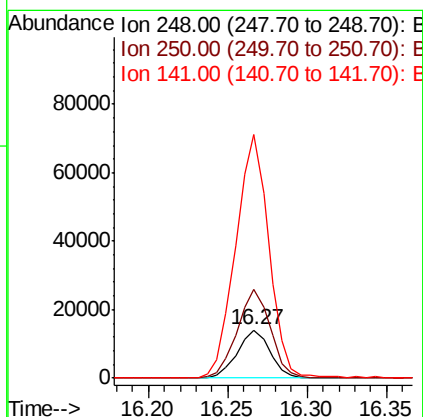
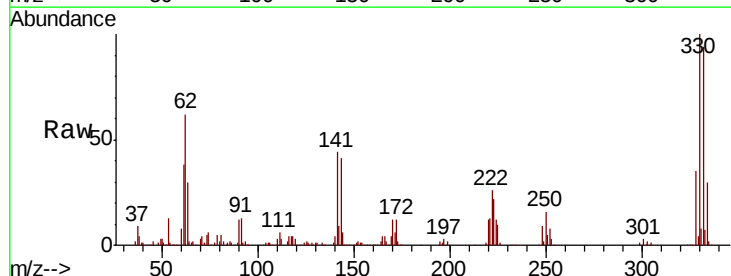
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-A

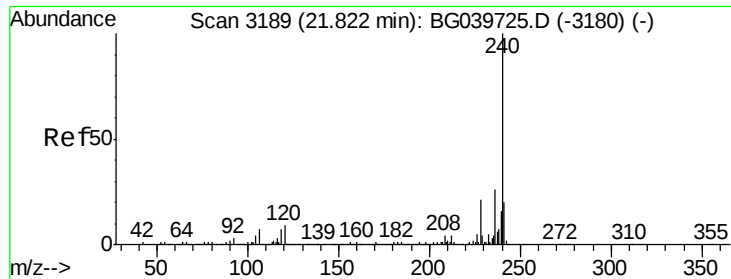
Tgt Ion:188 Resp: 327196
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.9 10.3
 80 8.8 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 5.500 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039804.D
 Acq: 7 Mar 2019 16:11

Tgt Ion:248 Resp: 20145
 Ion Ratio Lower Upper
 248 100
 250 184.0 77.6 116.4#
 141 507.4 63.9 95.9#

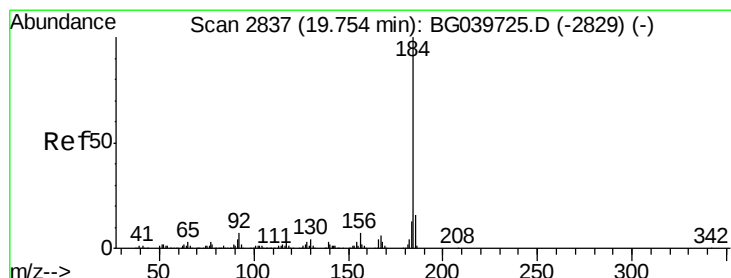
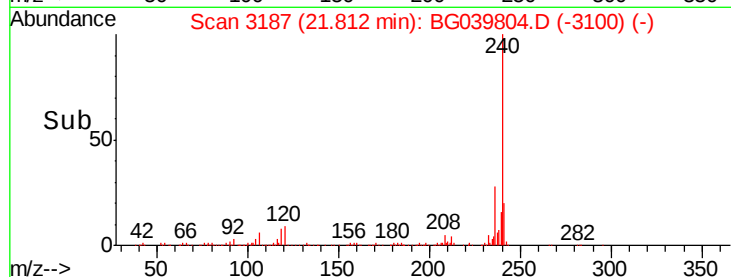
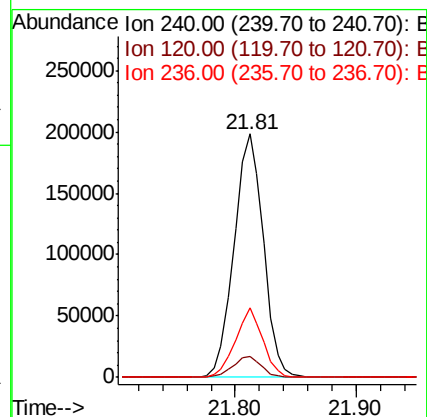
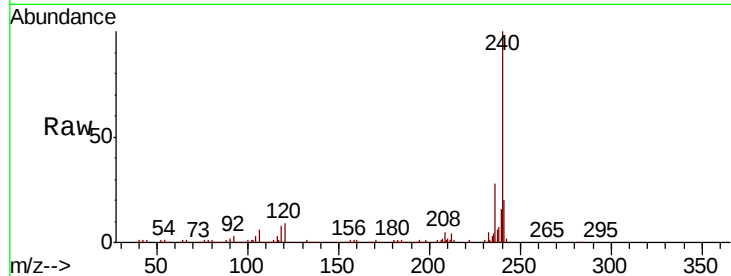




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039804.D
Acq: 7 Mar 2019 16:11

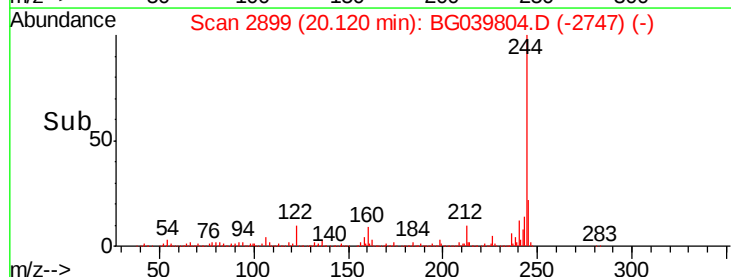
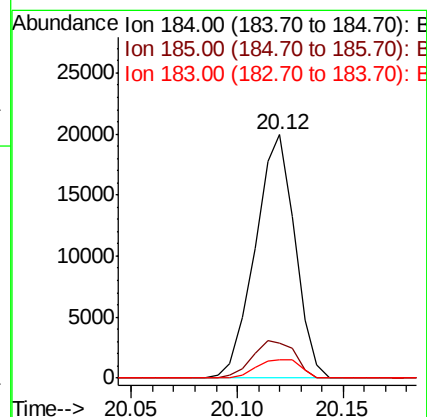
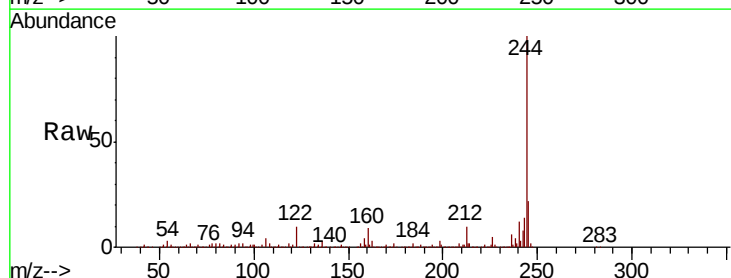
Instrument :
BNA_G
ClientSampled :
SOIL-A

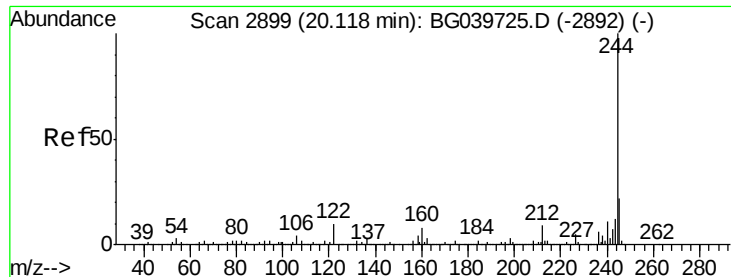
Tgt Ion:240 Resp: 333646
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 28.3 21.0 31.4



#77
Benzidine
Concen: 2.461 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG039804.D
Acq: 7 Mar 2019 16:11

Tgt Ion:184 Resp: 26059
Ion Ratio Lower Upper
184 100
185 14.2 12.2 18.2
183 7.6 10.6 15.8#





#79

Terphenyl-d14

Concen: 90.688 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG039804.D

Acq: 7 Mar 2019 16:11

Instrument :

BNA_G

ClientSampleId :

SOIL-A

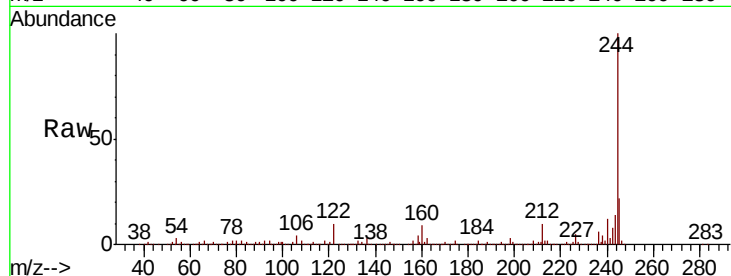
Tgt Ion:244 Resp: 1374215

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

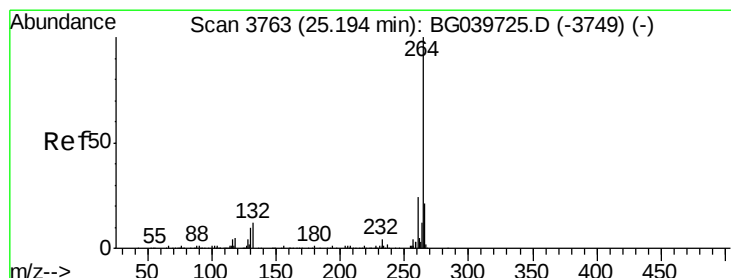
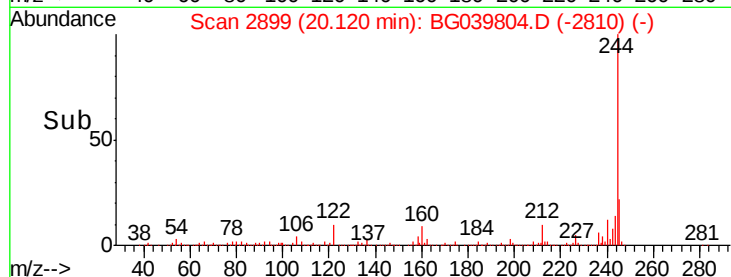
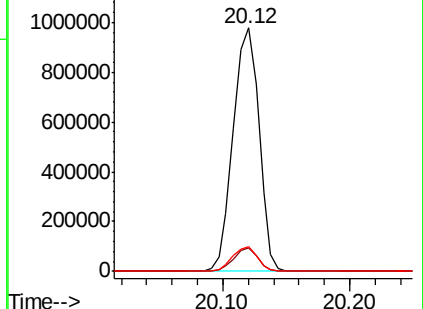
122 9.9 8.4 12.6



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: 25.18 min Scan# 3761

Delta R.T. -0.02 min

Lab File: BG039804.D

Acq: 7 Mar 2019 16:11

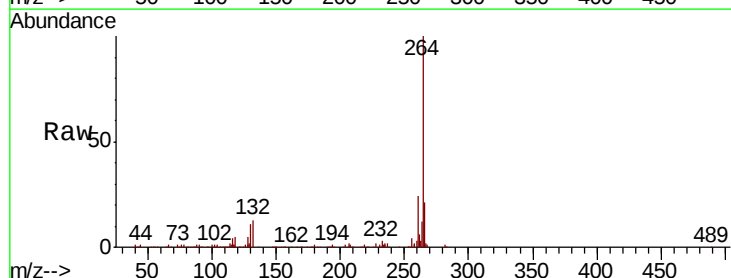
Tgt Ion:264 Resp: 336277

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 20.5 18.5 27.7



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

