

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\
 Data File : BG041653.D
 Acq On : 15 Jul 2019 17:37
 Operator : HP/JU
 Sample : K3761-02RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUM

Quant Time: Jul 16 07:50:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	110291	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	434993	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	275303	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	648838	20.00	ng	0.00
76) Chrysene-d12	21.65	240	643632	20.00	ng	0.00
87) Perylene-d12	24.86	264	712145	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	776370	115.07	ng	0.00
7) Phenol-d6	7.21	99	990779	109.18	ng	0.00
23) Nitrobenzene-d5	9.21	82	721676	100.90	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	472087	152.16	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1677843	94.37	ng	0.00
79) Terphenyl-d14	20.01	244	2461095	89.36	ng	0.00

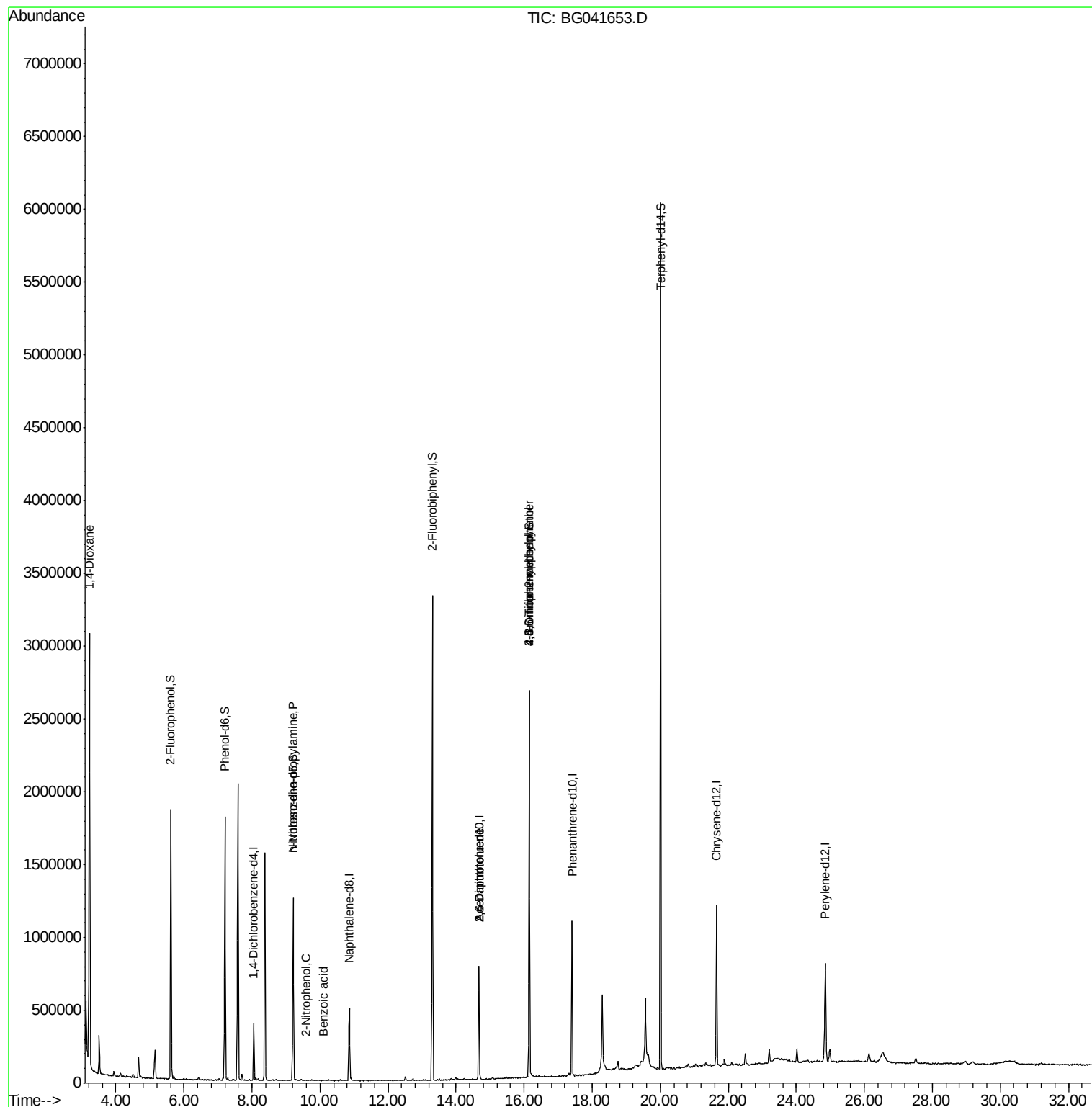
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	28833	8.998	ng	# 1
9) Benzaldehyde	7.21	77	2585	Below Cal		# 42
19) n-Nitroso-di-n-propylamine	9.21	70	100556	15.161	ng	# 75
26) 2-Nitrophenol	9.59	139	118	4.683	ng	# 34
32) Benzoic acid	10.09	122	138	6.037	ng	# 25
51) 2,6-Dinitrotoluene	14.67	165	36591	7.978	ng	# 28
57) 2,4-Dinitrotoluene	14.67	165	36591	6.036	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.15	198	1759	7.166	ng	# 6
67) 4-Bromophenyl-phenylether	16.15	248	37163	4.814	ng	# 1

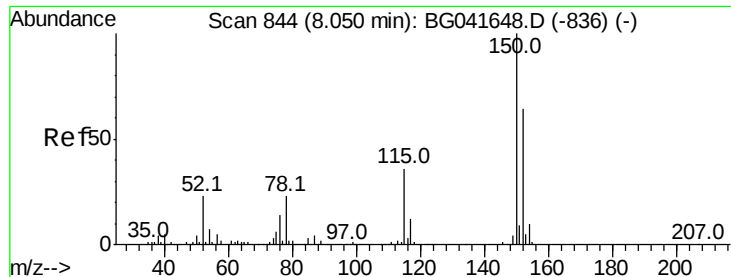
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.00 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM

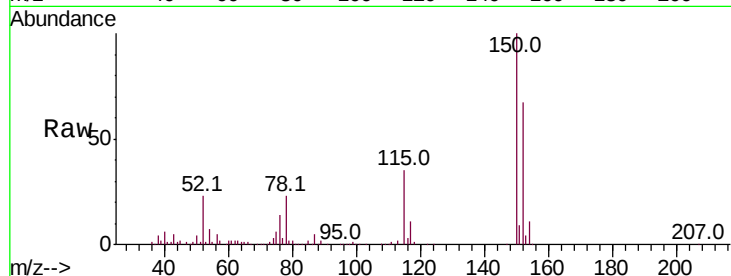
Tot Ion:152 Resp: 110291

Ion Ratio Lower Upper

152 100

150 149.0 126.9 190.3

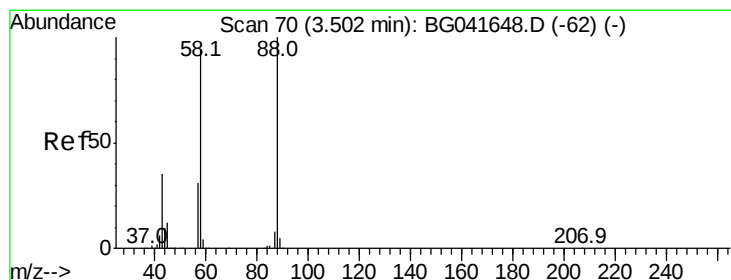
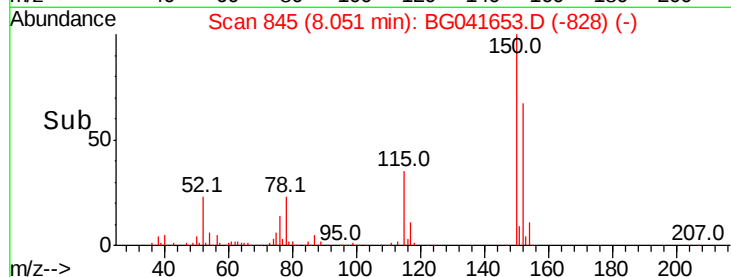
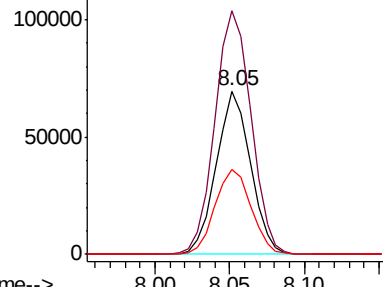
115 52.1 45.0 67.6



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: 8.998 ng

RT: 3.23 min Scan# 24

Delta R.T. -0.27 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

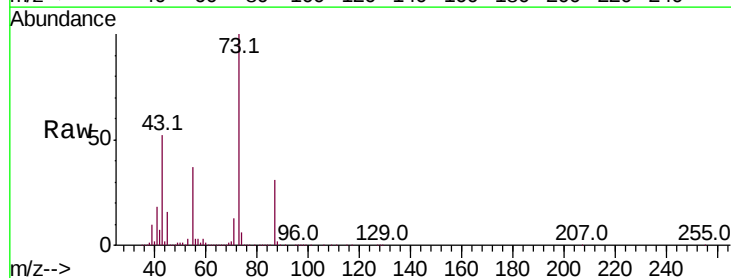
Tgt Ion: 88 Resp: 28833

Ion Ratio Lower Upper

88 100

58 34.6 76.2 114.2#

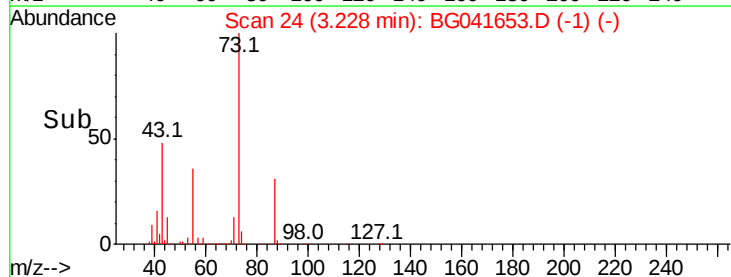
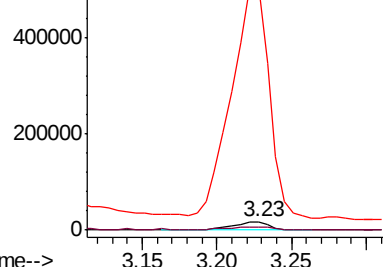
43 2917.2 27.2 40.8#

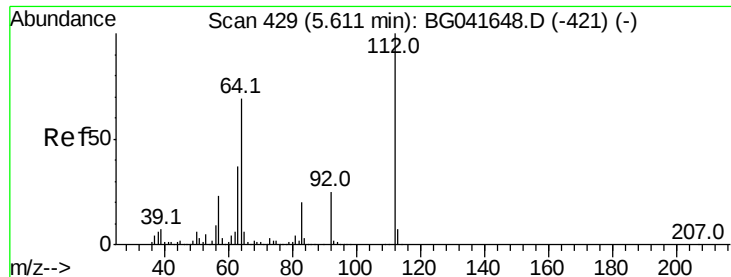


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 115.075 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM

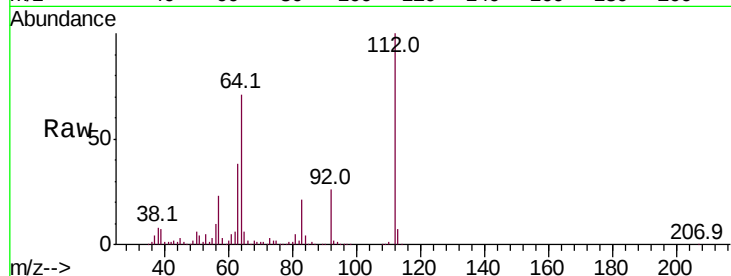
Tot Ion:112 Resp: 776370

Ion Ratio Lower Upper

112 100

64 71.4 55.4 83.2

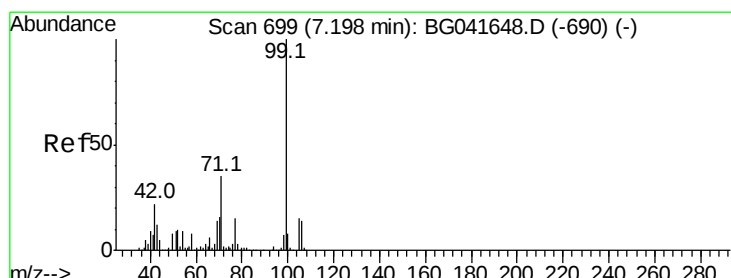
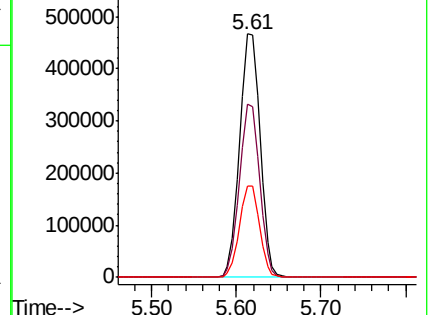
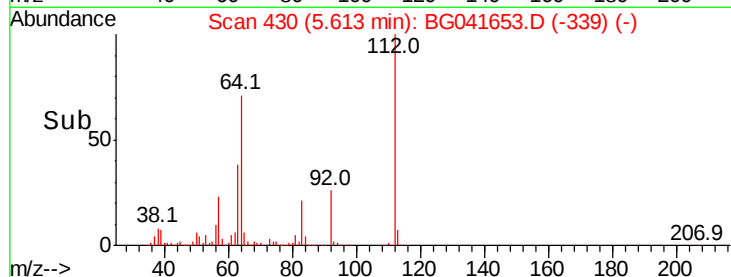
63 37.7 29.1 43.7



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: 109.182 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

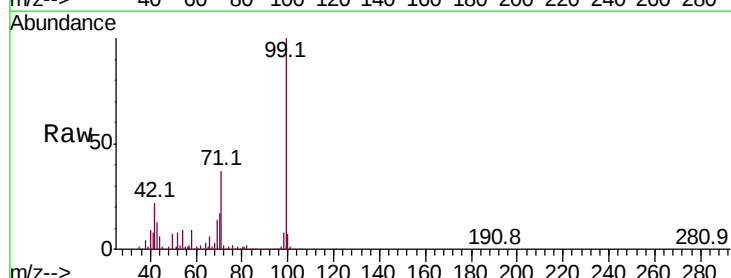
Tgt Ion: 99 Resp: 990779

Ion Ratio Lower Upper

99 100

42 22.4 17.6 26.4

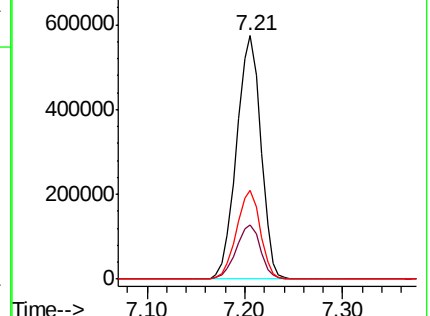
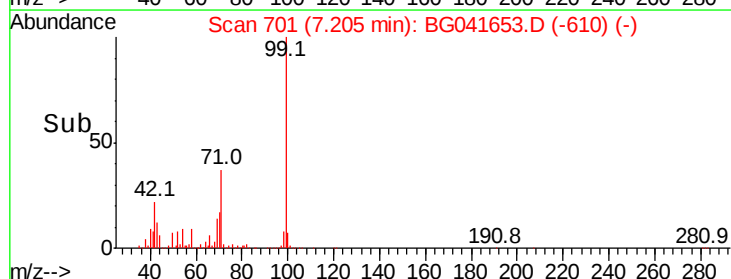
71 36.6 27.8 41.6

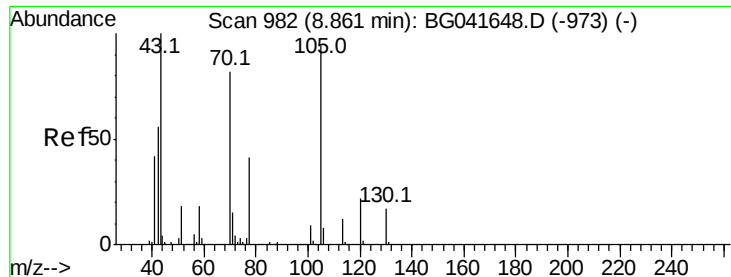


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 15.161 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.34 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM

Tot Ion: 70 Resp: 100556

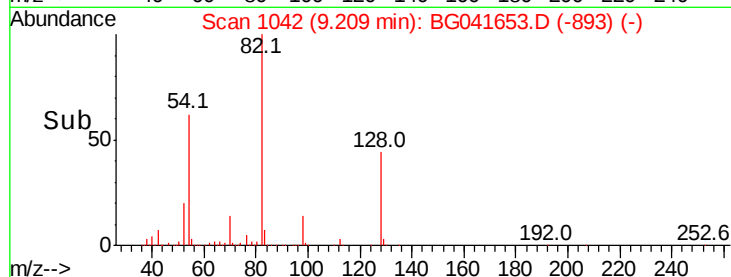
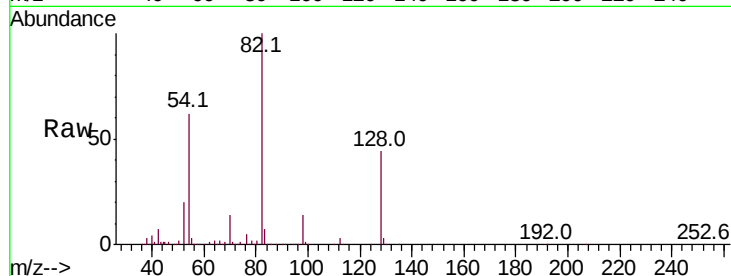
Ion Ratio Lower Upper

70 100

42 53.8 55.8 83.6#

101 0.0 8.1 12.1#

130 2.5 17.3 25.9#

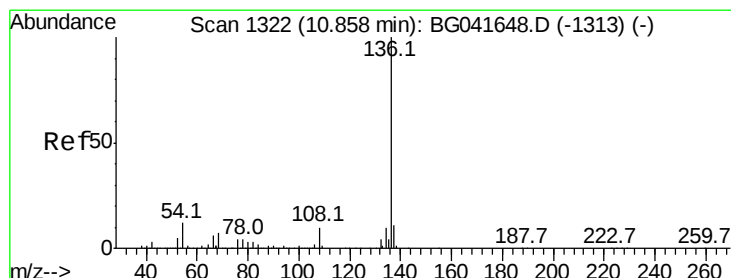
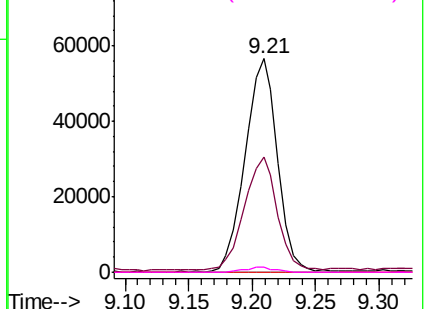


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Tgt Ion: 136 Resp: 434993

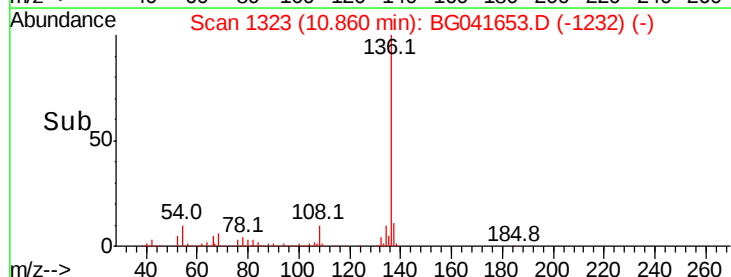
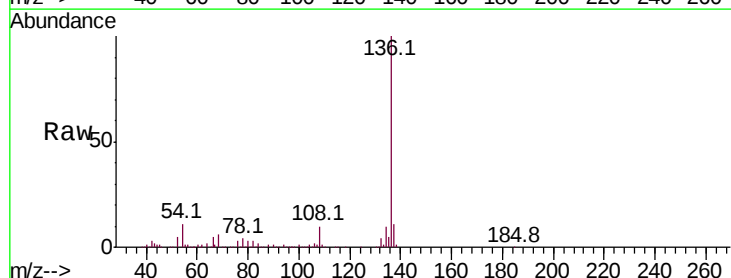
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 10.5 8.7 13.1

68 6.3 5.5 8.3

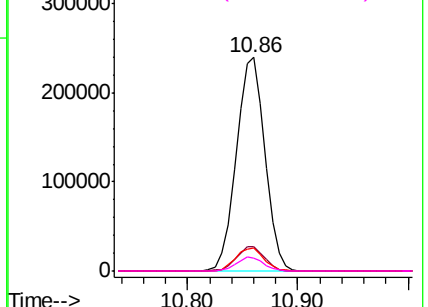


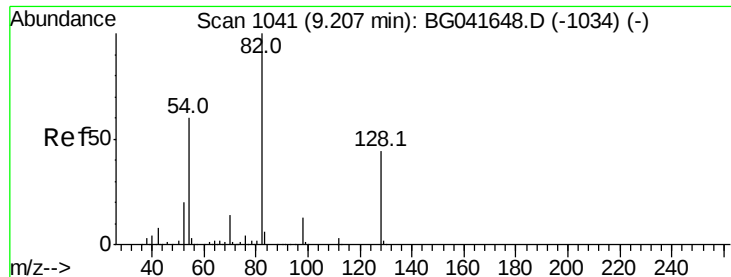
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 100.895 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM

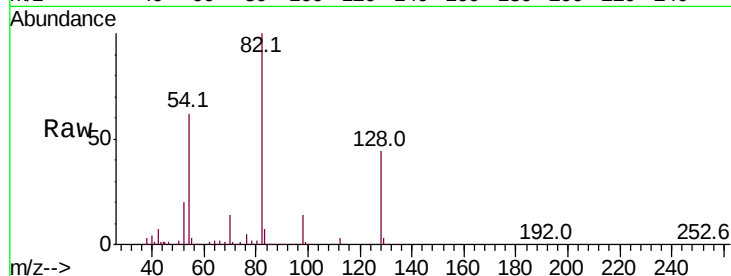
Tot Ion: 82 Resp: 721676

Ion Ratio Lower Upper

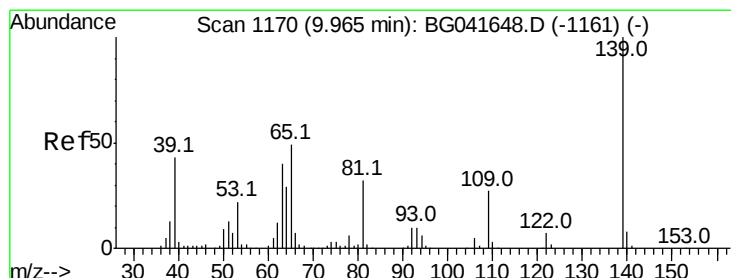
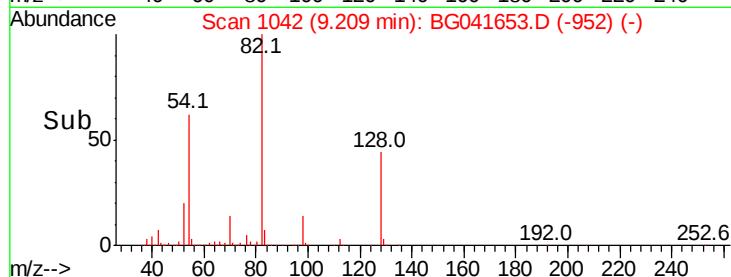
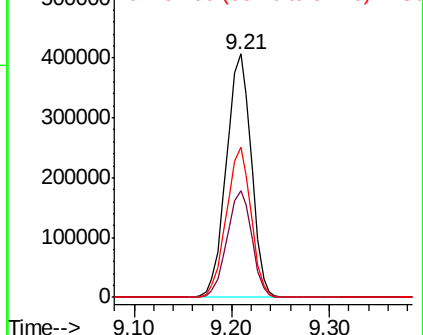
82 100

128 43.6 35.1 52.7

54 61.8 48.7 73.1



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



#26

2-Nitrophenol

Concen: 4.683 ng

RT: 9.59 min Scan# 1107

Delta R.T. -0.37 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

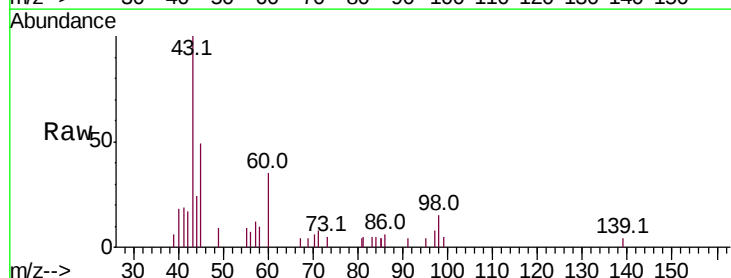
Tgt Ion: 139 Resp: 118

Ion Ratio Lower Upper

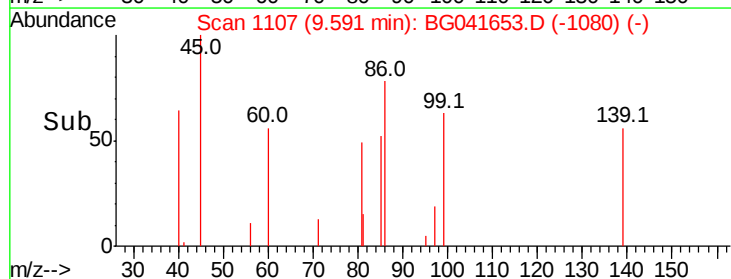
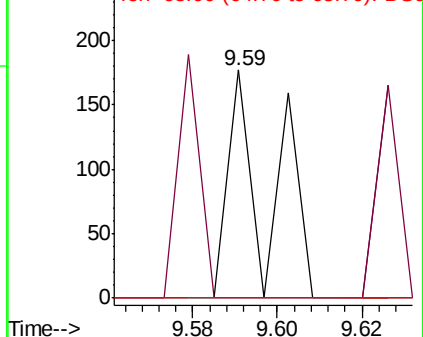
139 100

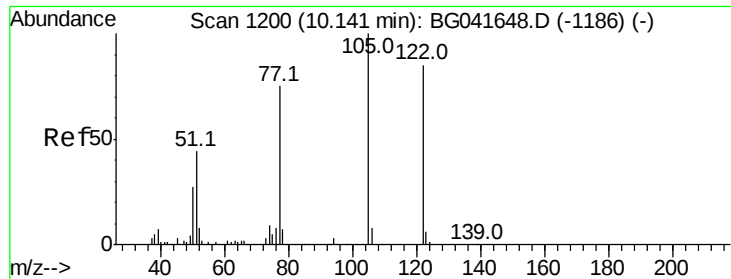
109 0.0 22.7 34.1#

65 0.0 41.1 61.7#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

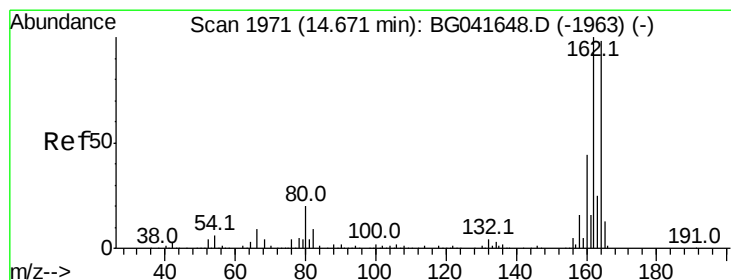
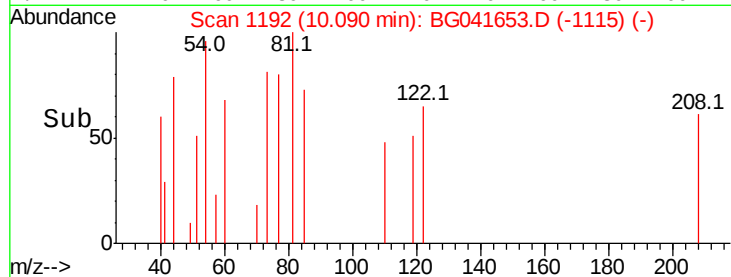
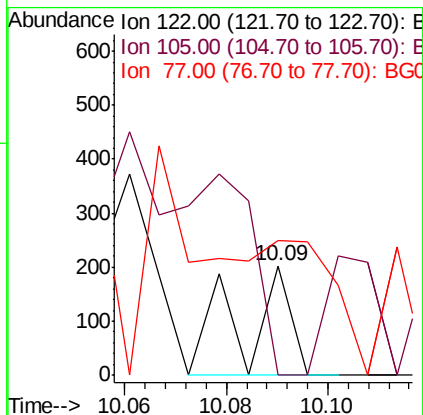
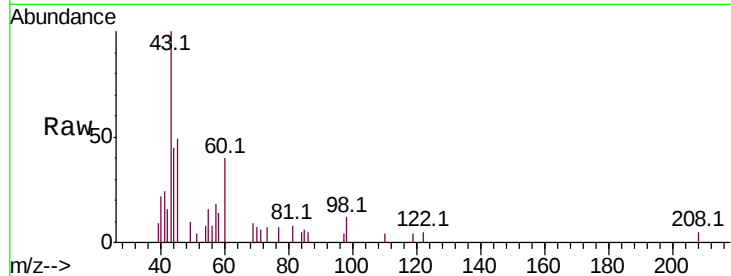




#32
Benzoic acid
Concen: 6.037 ng
RT: 10.09 min Scan# 1192
Delta R.T. -0.08 min
Lab File: BG041653.D
Acq: 15 Jul 2019 17:37

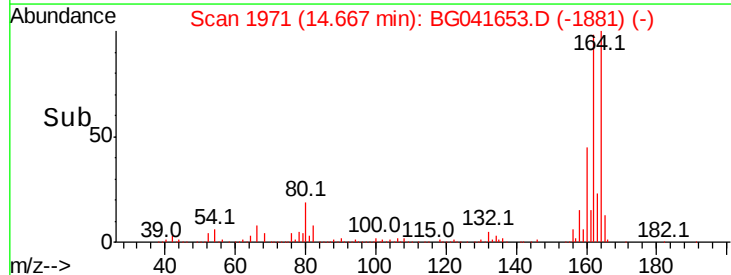
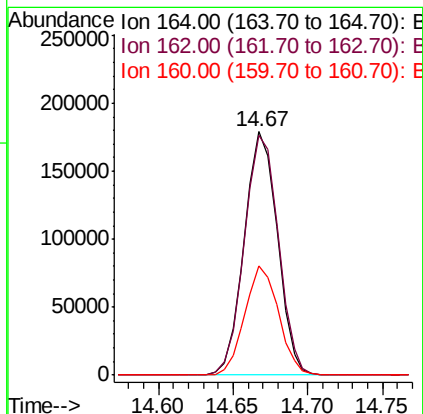
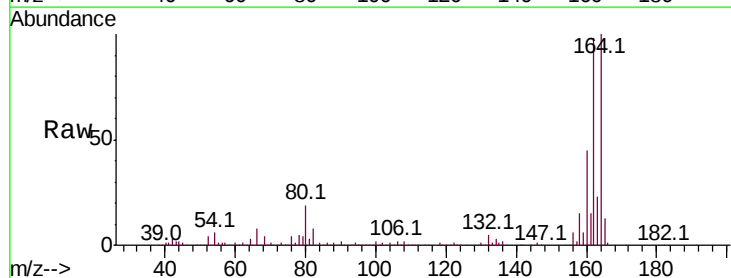
Instrument :
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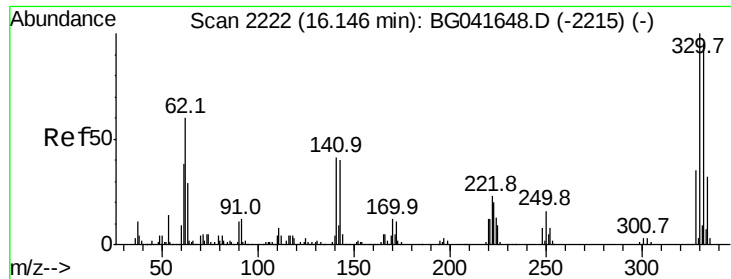
Tot Ion:122 Resp: 138
Ion Ratio Lower Upper
122 100
105 0.0 101.5 141.5#
77 123.2 73.0 113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG041653.D
Acq: 15 Jul 2019 17:37

Tgt Ion:164 Resp: 275303
Ion Ratio Lower Upper
164 100
162 98.4 79.6 119.4
160 44.8 35.4 53.0

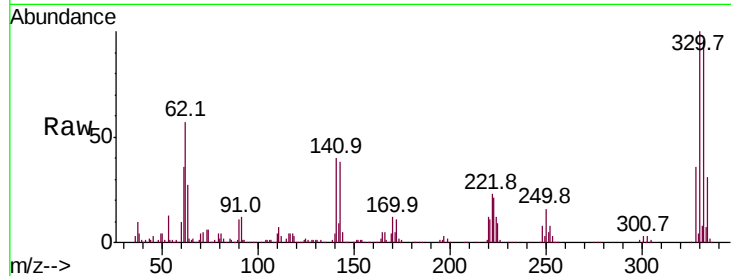




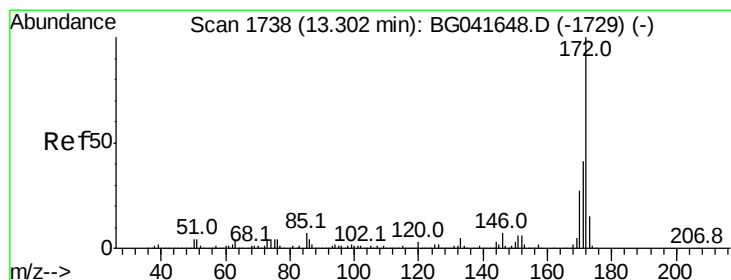
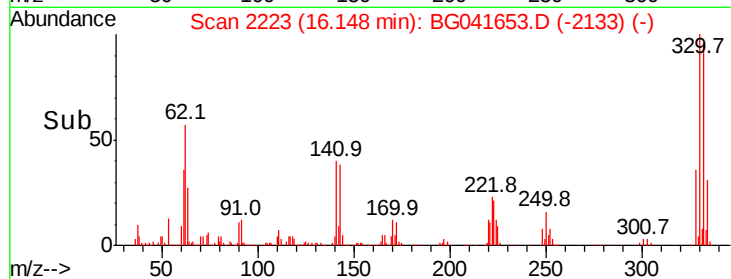
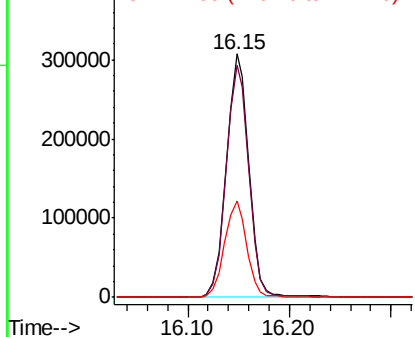
#42
 2,4,6-Tribromophenol
 Concen: 152.157 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BG041653.D
 Acq: 15 Jul 2019 17:37

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUM

Tot Ion:330 Resp: 472087
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.0
 141 39.0 31.9 47.9

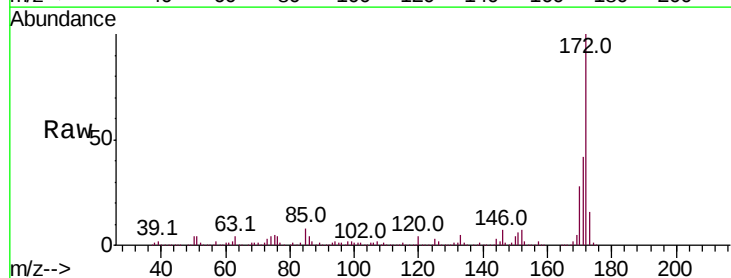


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

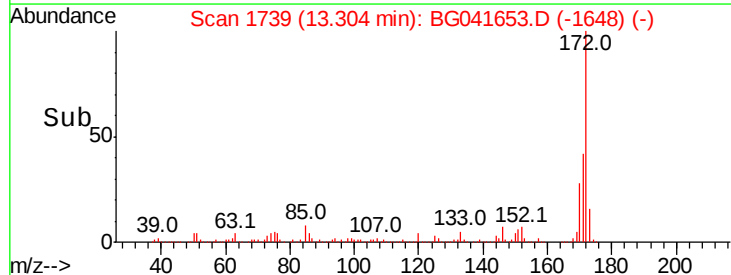
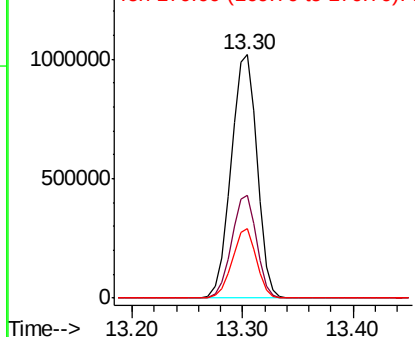


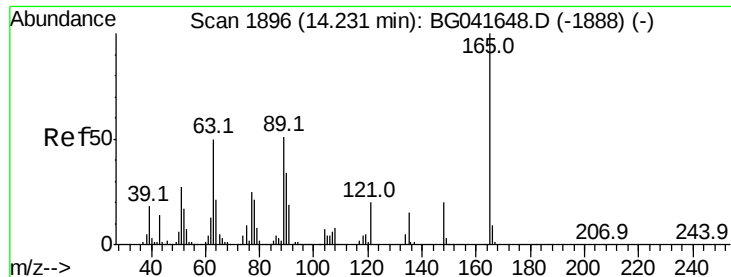
#45
 2-Fluorobiphenyl
 Concen: 94.374 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: BG041653.D
 Acq: 15 Jul 2019 17:37

Tgt Ion:172 Resp: 1677843
 Ion Ratio Lower Upper
 172 100
 171 42.5 35.0 52.4
 170 28.4 23.5 35.3



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: 7.978 ng

RT: 14.67 min Scan# 1971

Delta R.T. 0.43 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM

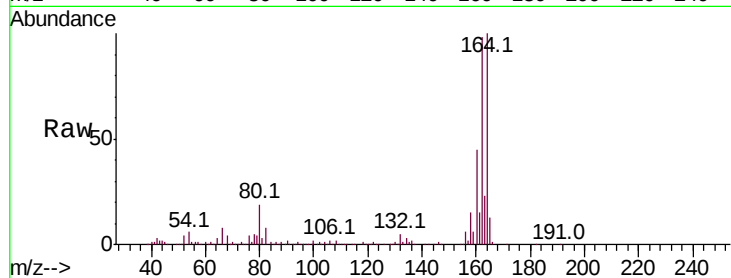
Tot Ion:165 Resp: 36591

Ion Ratio Lower Upper

165 100

63 1.7 42.4 63.6#

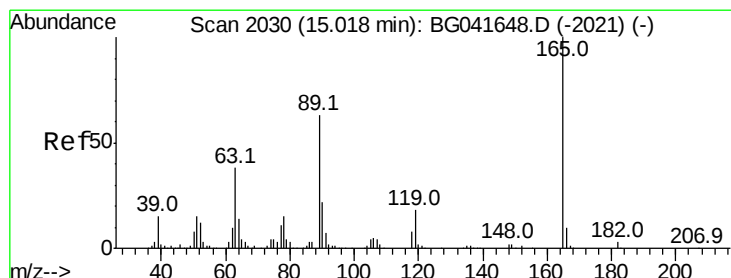
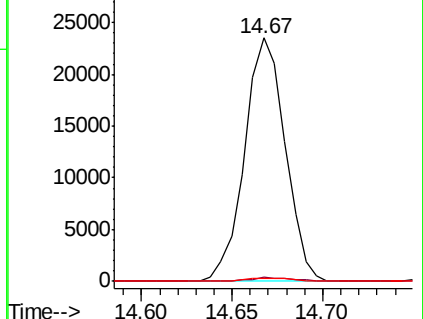
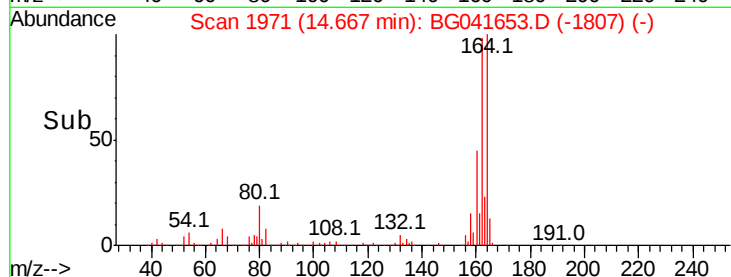
89 1.5 42.1 63.1#



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: 6.036 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.36 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Tgt Ion:165 Resp: 36591

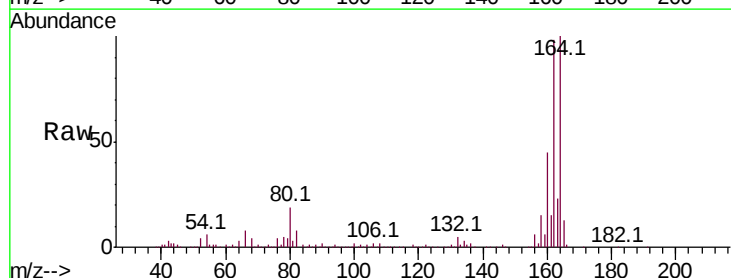
Ion Ratio Lower Upper

165 100

63 1.7 31.7 47.5#

89 1.5 50.2 75.4#

182 0.7 2.6 4.0#

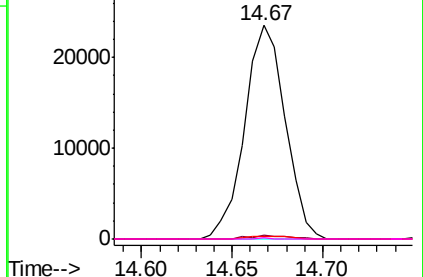
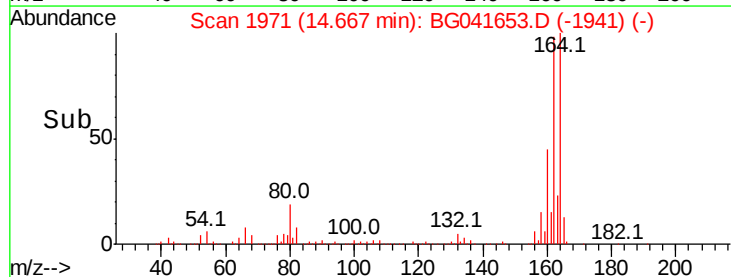


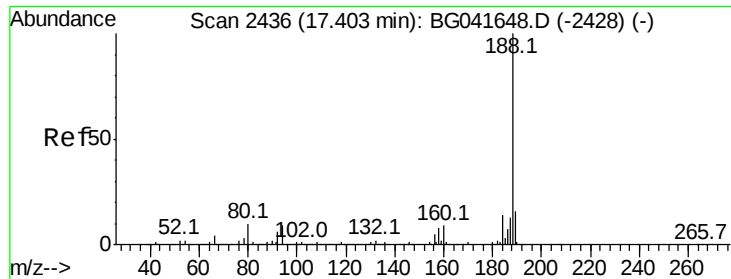
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Instrument :

BNA_G

ClientSampleId :

SOIL-DRUM

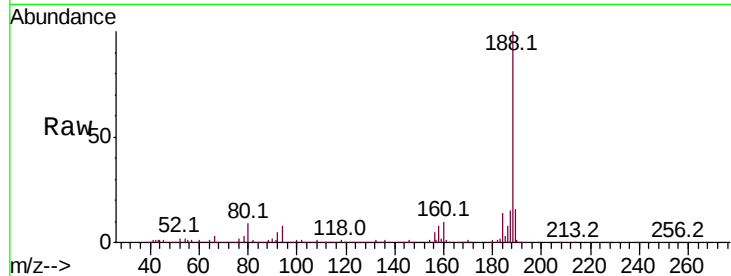
Tot Ion:188 Resp: 648838

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

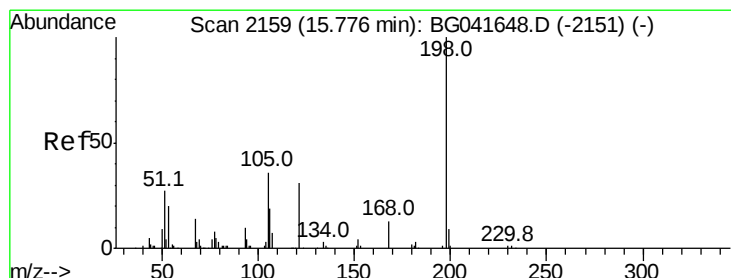
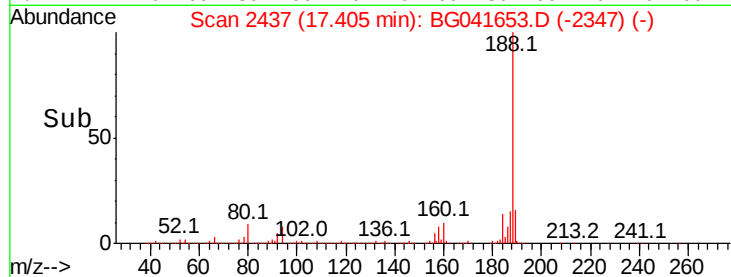
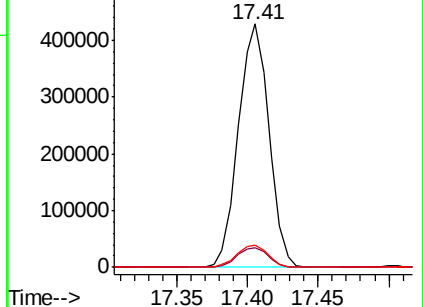
80 9.1 8.0 12.0



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: 7.166 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.37 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

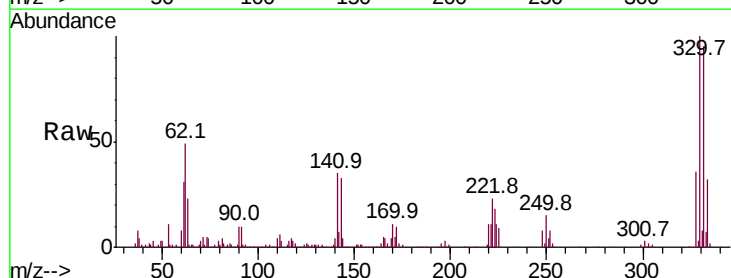
Tgt Ion:198 Resp: 1759

Ion Ratio Lower Upper

198 100

51 94.7 22.3 62.3#

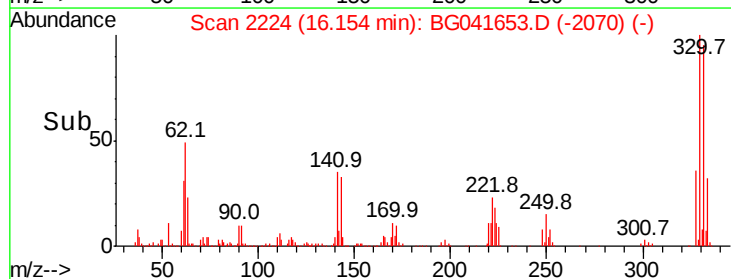
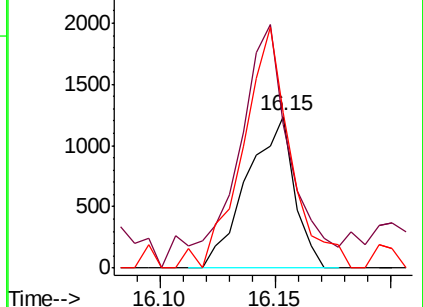
105 102.3 18.0 58.0#

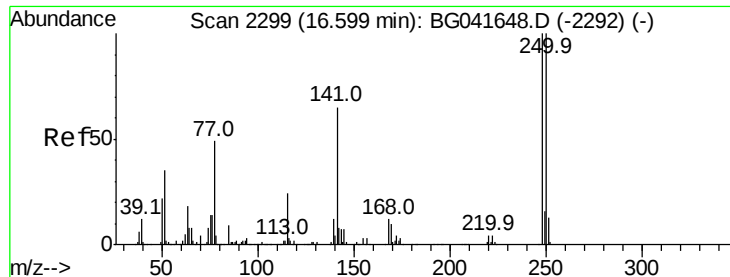


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

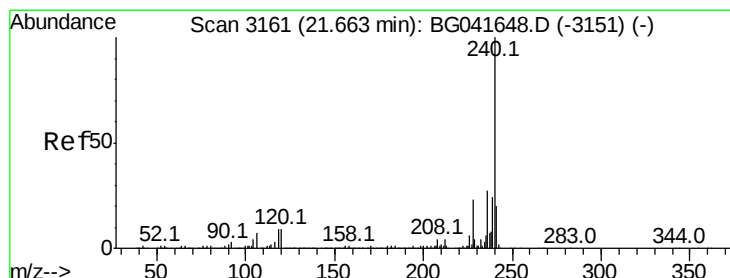
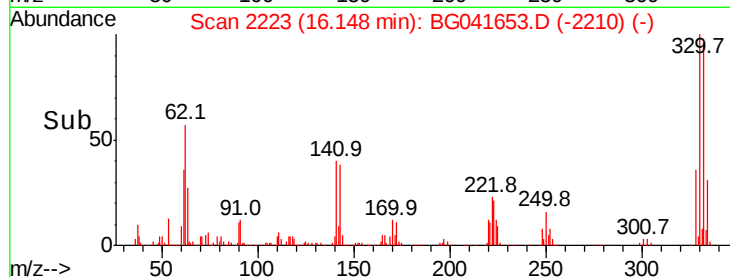
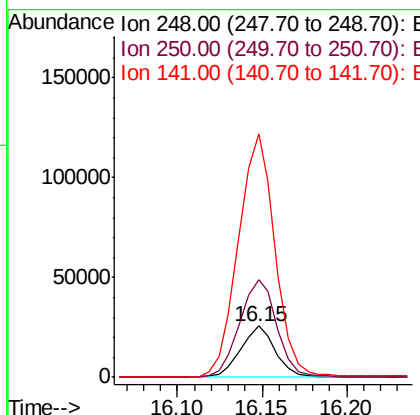
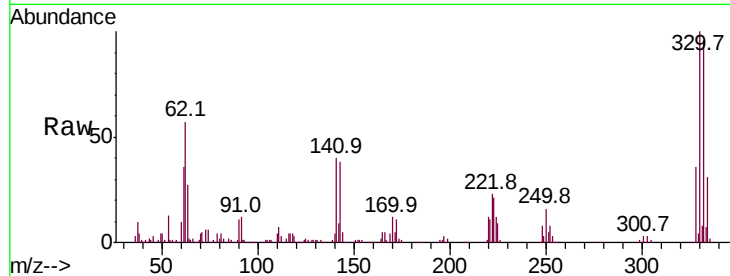




#67
 4-Bromophenyl-phenylether
 Concen: 4.814 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.46 min
 Lab File: BG041653.D
 Acq: 15 Jul 2019 17:37

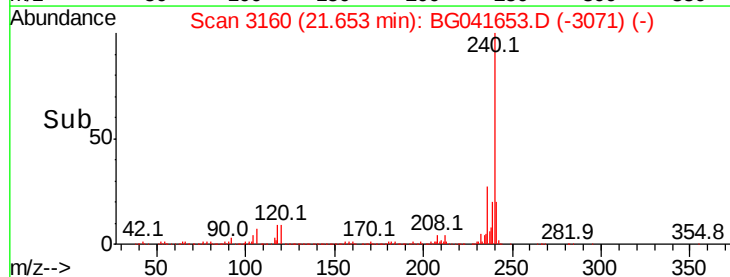
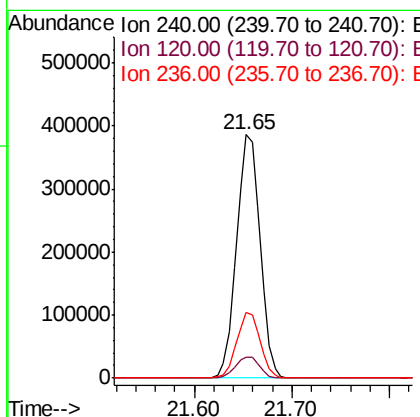
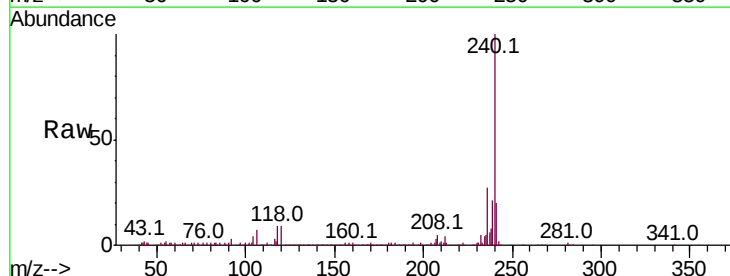
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUM

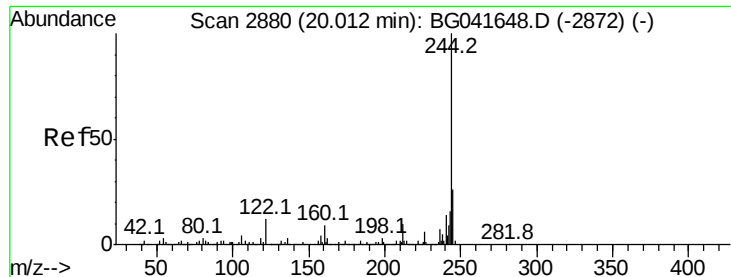
Tot Ion:248 Resp: 37163
 Ion Ratio Lower Upper
 248 100
 250 189.8 78.1 117.1#
 141 475.0 49.6 74.4#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3160
 Delta R.T. -0.01 min
 Lab File: BG041653.D
 Acq: 15 Jul 2019 17:37

Tgt Ion:240 Resp: 643632
 Ion Ratio Lower Upper
 240 100
 120 8.8 8.0 12.0
 236 27.1 22.6 33.8





#79

Terphenyl-d14

Concen: 89.357 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Instrument :

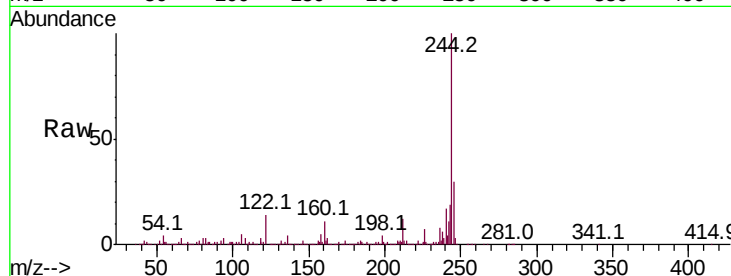
BNA_G

ClientSampleId :

SOIL-DRUM

Tot Ion:244 Resp: 2461095

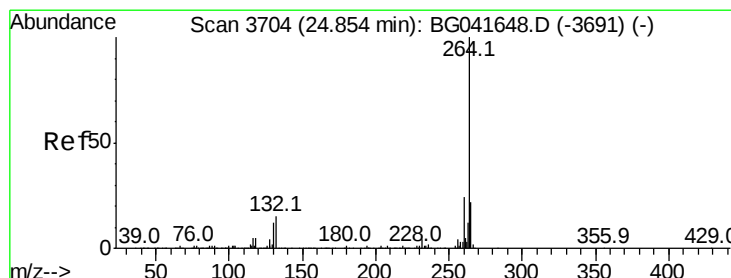
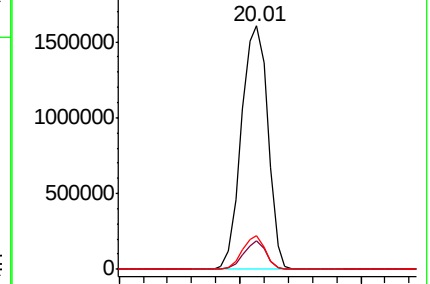
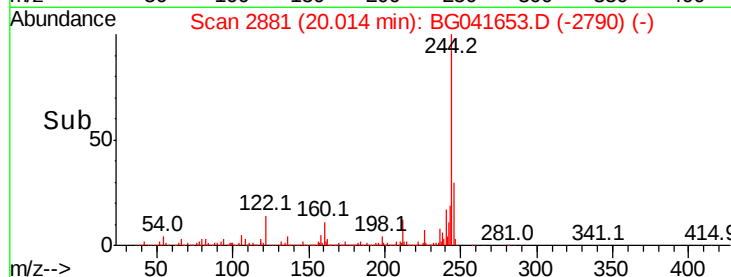
Ion	Ratio	Lower	Upper
244	100		
212	11.7	9.7	14.5
122	14.1	12.5	18.7



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: 24.86 min Scan# 3705

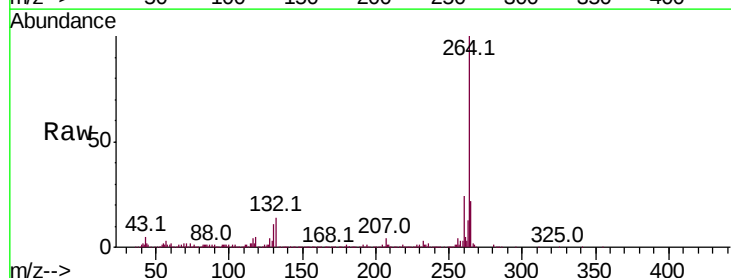
Delta R.T. -0.01 min

Lab File: BG041653.D

Acq: 15 Jul 2019 17:37

Tgt Ion:264 Resp: 712145

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.9	18.0	27.0



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

