

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101315\
 Data File : BG019170.D
 Acq On : 12 Oct 2015 23:00
 Operator : UM/NP
 Sample : G3707-03
 Misc : LOD 5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Oct 13 04:24:04 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 13 03:45:00 2015
 Response via : Initial Calibration

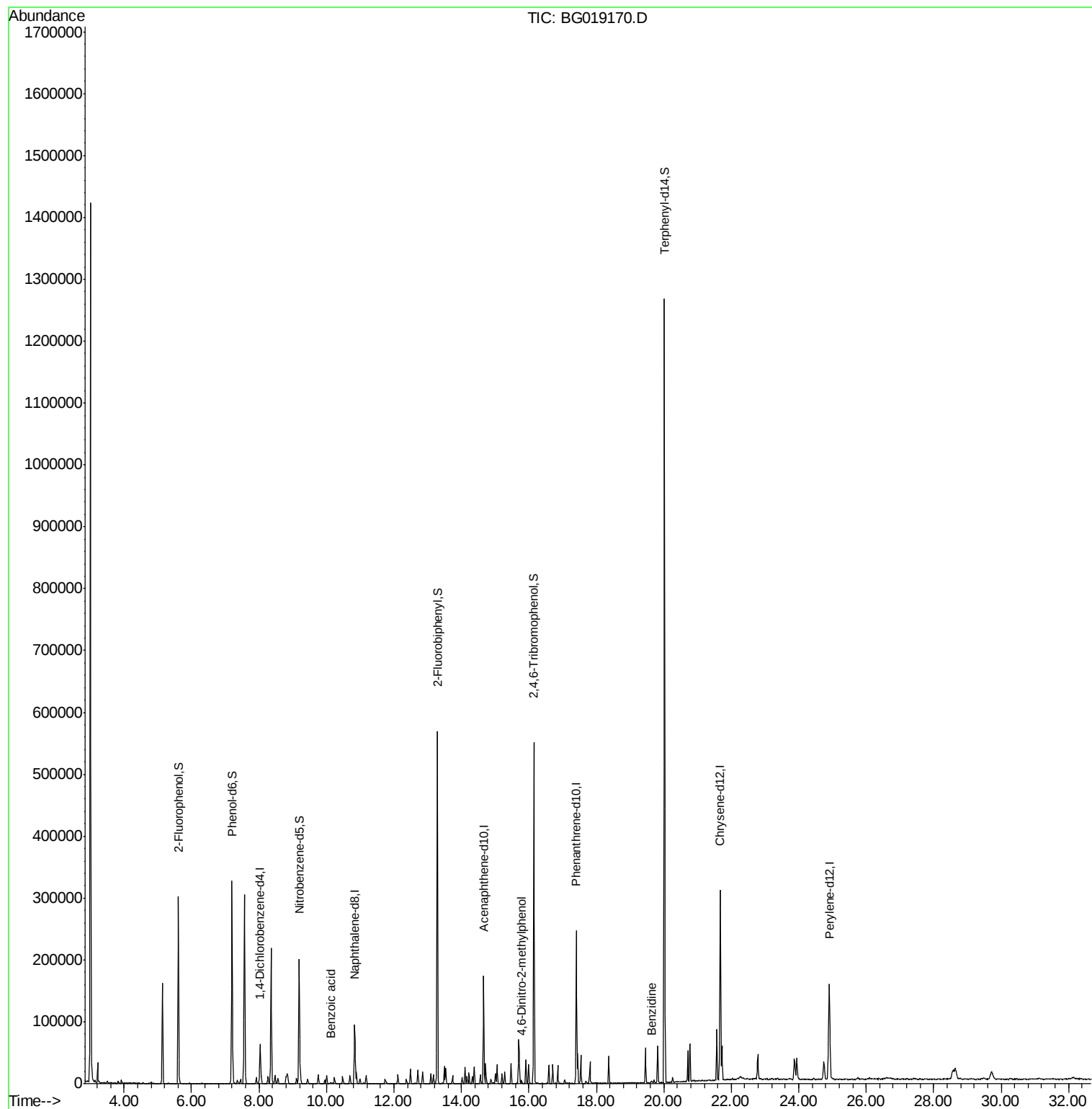
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	17253	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	78588	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	57154	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	147791	20.00	ng	0.00
75) Chrysene-d12	21.68	240	180115	20.00	ng	-0.01
86) Perylene-d12	24.91	264	176868	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	108840	128.44	ng	0.00
7) Phenol-d6	7.20	99	166010	127.53	ng	0.00
23) Nitrobenzene-d5	9.19	82	113174	79.57	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	96738	124.21	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	282893	76.11	ng	0.00
78) Terphenyl-d14	20.02	244	528192	77.46	ng	0.00
Target Compounds						
32) Benzoic acid	10.13	122	311	8.17	ng	# 68
64) 4,6-Dinitro-2-methylphenol	15.78	198	1404	1.74	ng	# 71
76) Benzidine	19.64	184	3451	0.75	ng	# 89

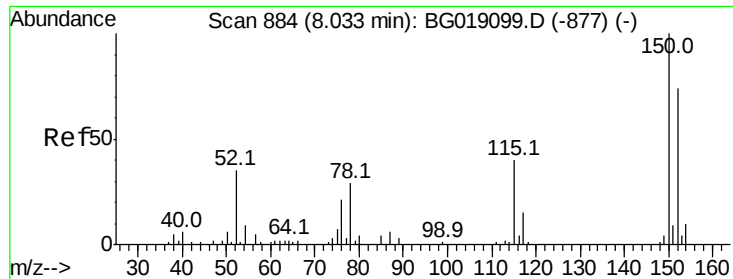
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101315\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 883

Delta R.T. -0.00 min

Lab File: BG019170.D

Acq: 12 Oct 2015 23:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

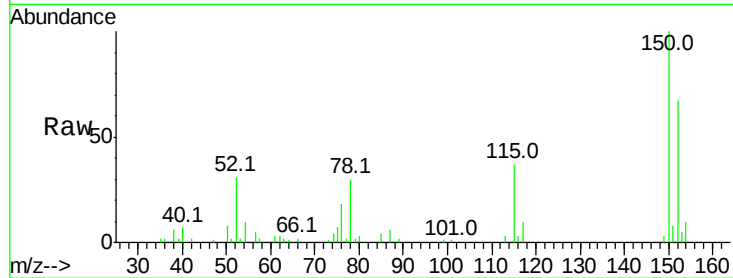
Tot Ion:152 Resp: 17253

Ion Ratio Lower Upper

152 100

150 149.0 108.2 162.2

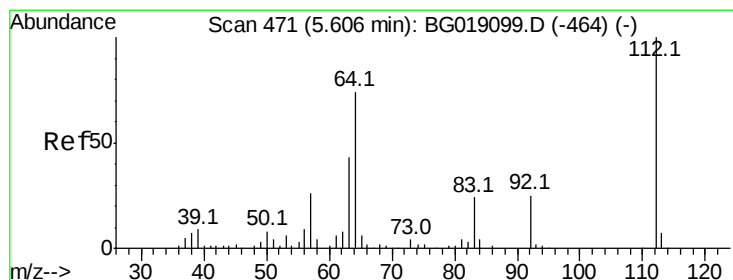
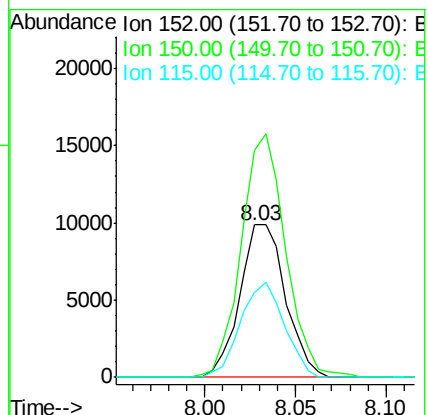
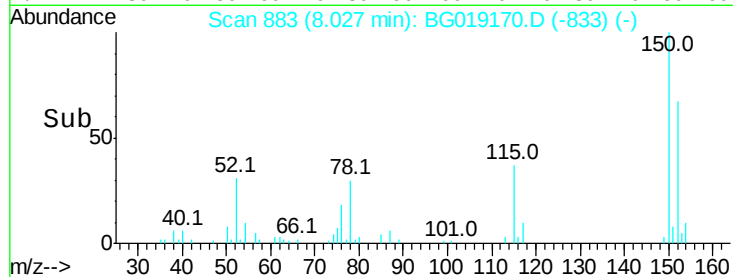
115 55.7 43.2 64.8



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: 128.44 ng

RT: 5.61 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG019170.D

Acq: 12 Oct 2015 23:00

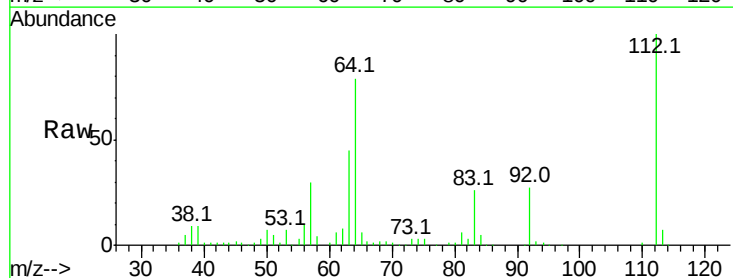
Tgt Ion:112 Resp: 108840

Ion Ratio Lower Upper

112 100

64 78.8 59.0 88.4

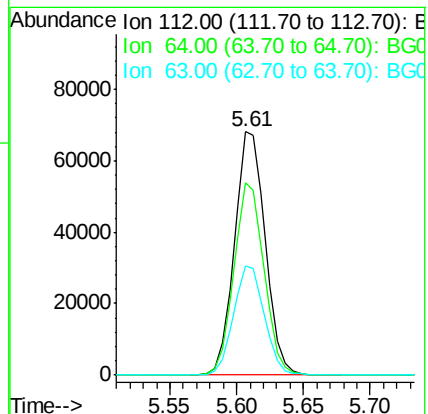
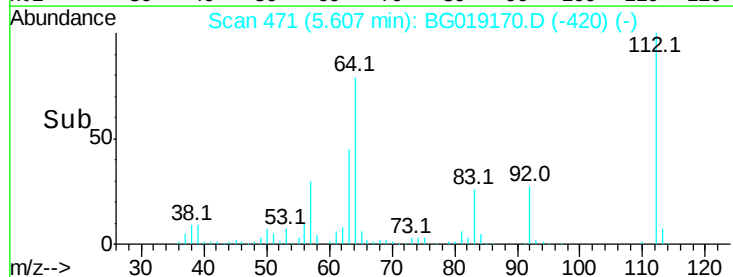
63 44.9 34.7 52.1

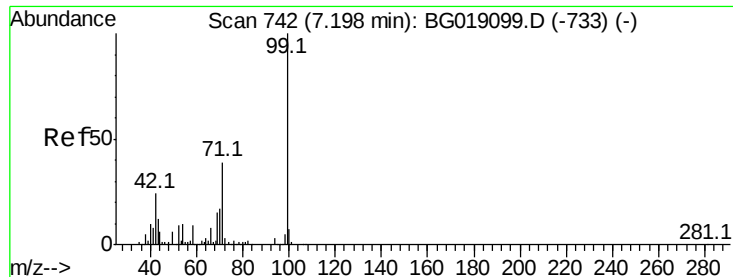


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 127.53 ng

RT: 7.20 min Scan# 743

Delta R.T. 0.00 min

Lab File: BG019170.D

Acq: 12 Oct 2015 23:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

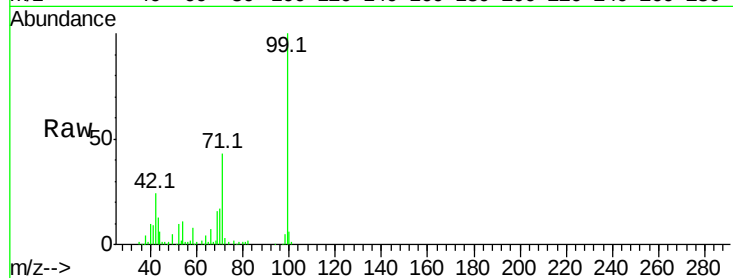
Tot Ion: 99 Resp: 166010

Ion Ratio Lower Upper

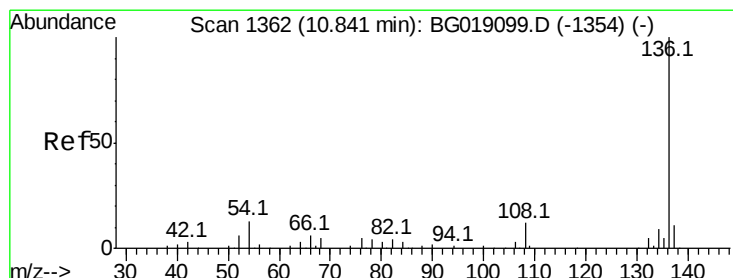
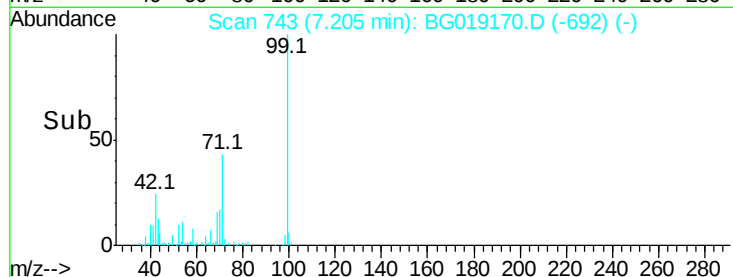
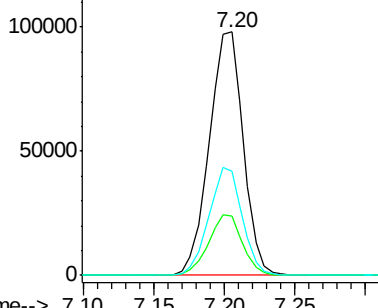
99 100

42 24.2 19.5 29.3

71 42.7 31.4 47.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BG019170.D

Acq: 12 Oct 2015 23:00

Tgt Ion: 136 Resp: 78588

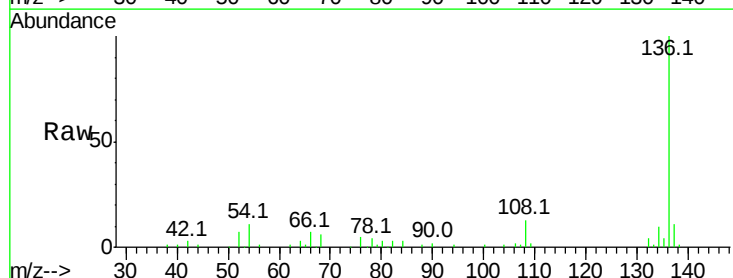
Ion Ratio Lower Upper

136 100

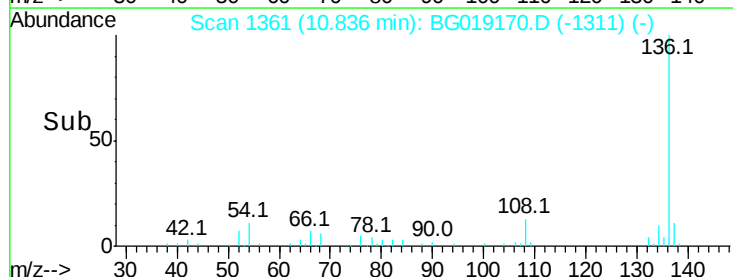
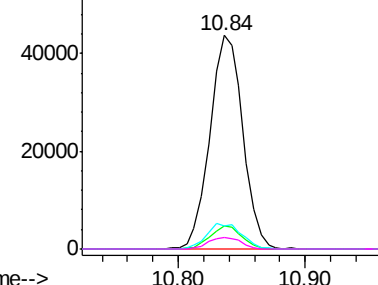
137 10.6 9.0 13.4

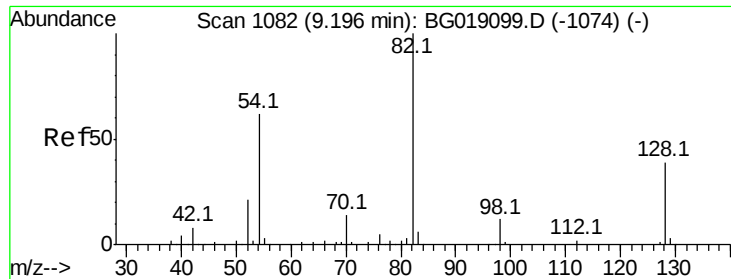
54 11.0 10.1 15.1

68 5.5 4.4 6.6



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

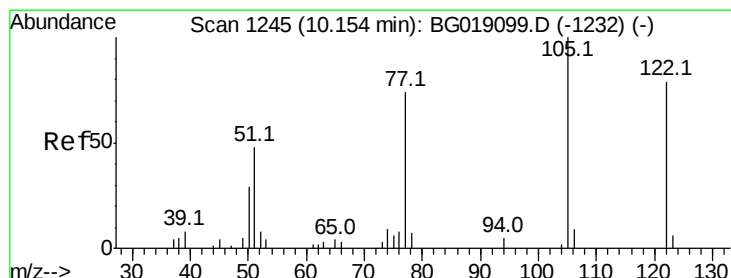
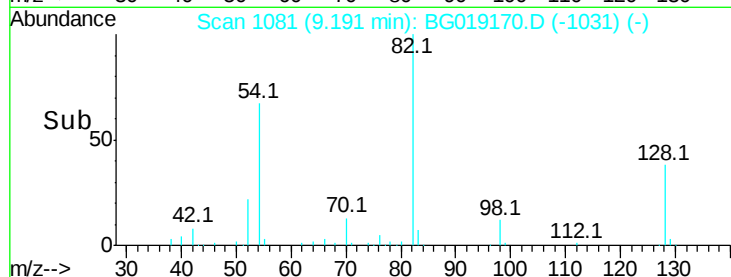
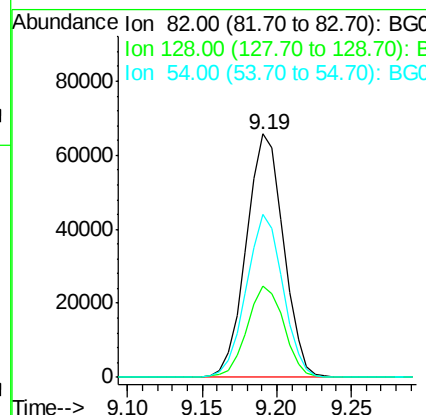
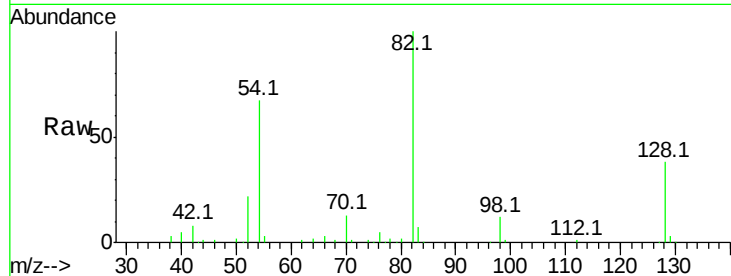




#23
 Nitrobenzene-d5
 Concen: 79.57 ng
 RT: 9.19 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: BG019170.D
 Acq: 12 Oct 2015 23:00

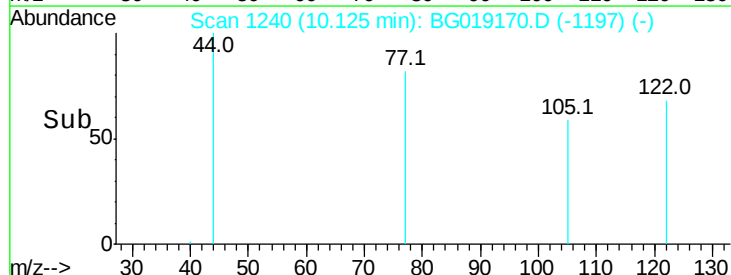
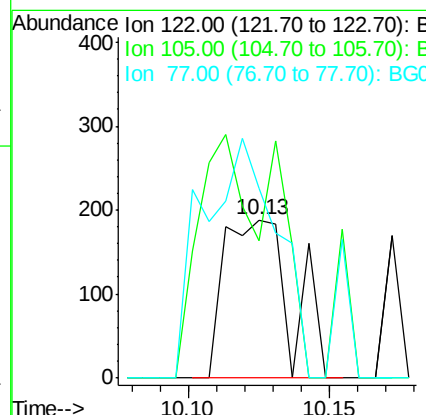
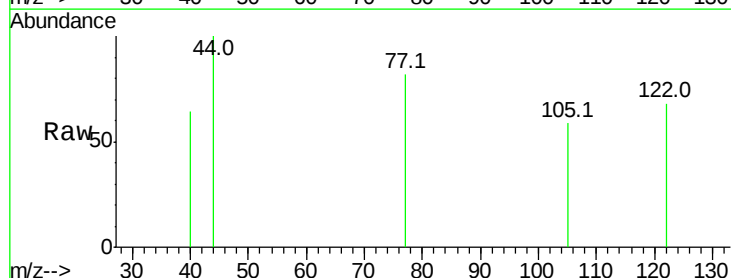
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

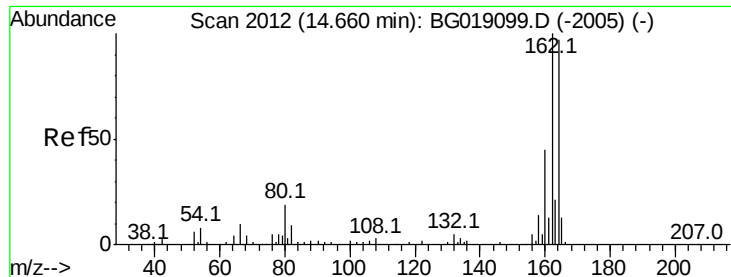
Tot Ion: 82 Resp: 113174
 Ion Ratio Lower Upper
 82 100
 128 37.6 31.4 47.2
 54 66.8 50.0 75.0



#32
 Benzoic acid
 Concen: 8.17 ng
 RT: 10.13 min Scan# 1240
 Delta R.T. -0.05 min
 Lab File: BG019170.D
 Acq: 12 Oct 2015 23:00

Tgt Ion: 122 Resp: 311
 Ion Ratio Lower Upper
 122 100
 105 86.7 107.0 147.0#
 77 120.2 73.4 113.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.66 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BG019170.D

Acq: 12 Oct 2015 23:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

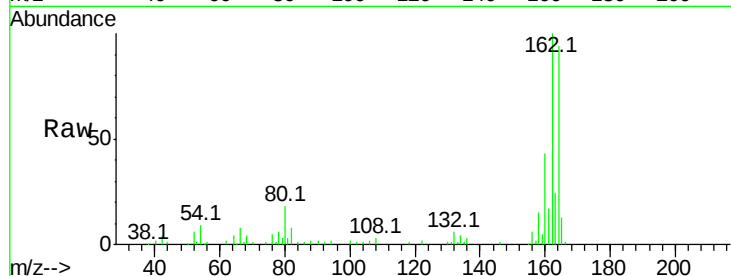
Tot Ion:164 Resp: 57154

Ion Ratio Lower Upper

164 100

162 106.2 82.6 124.0

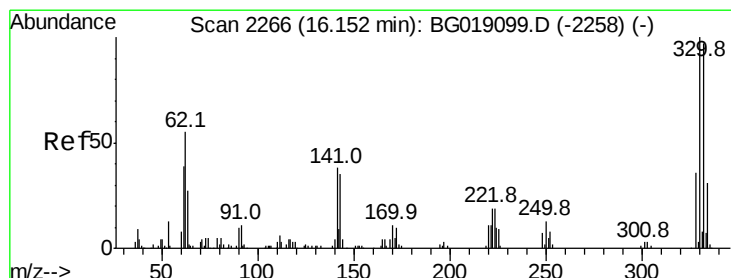
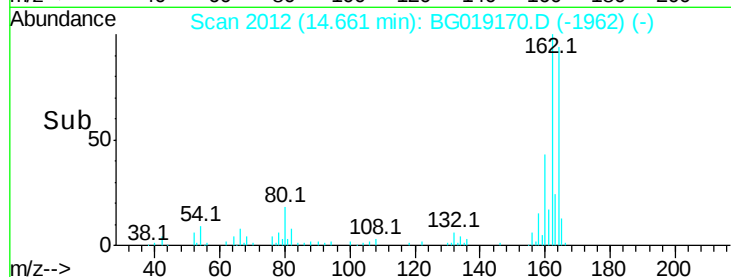
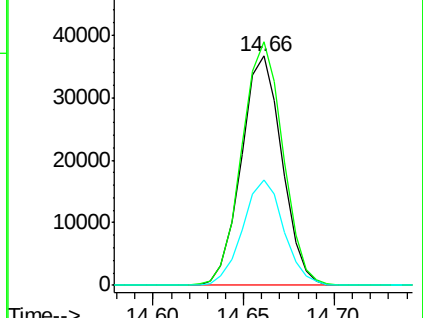
160 45.9 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 124.21 ng

RT: 16.15 min Scan# 2265

Delta R.T. -0.00 min

Lab File: BG019170.D

Acq: 12 Oct 2015 23:00

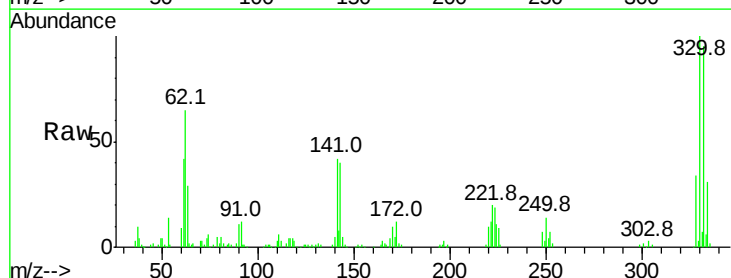
Tgt Ion:330 Resp: 96738

Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

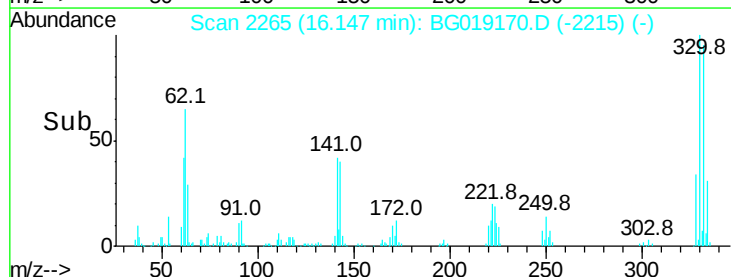
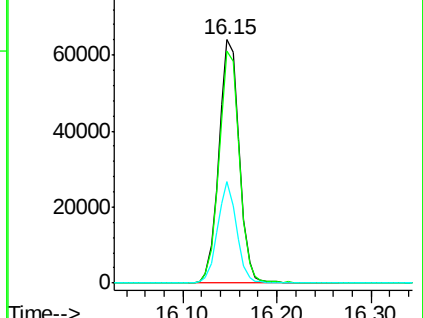
141 39.2 30.7 46.1

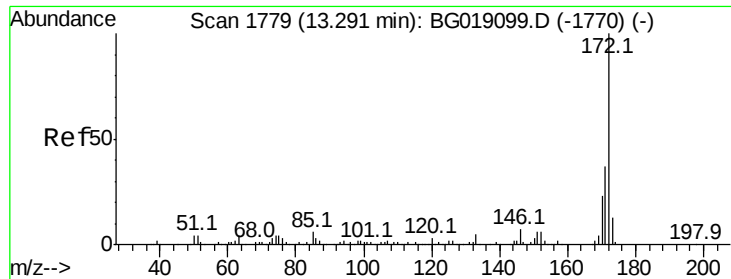


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 76.11 ng

RT: 13.29 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BG019170.D

Acq: 12 Oct 2015 23:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

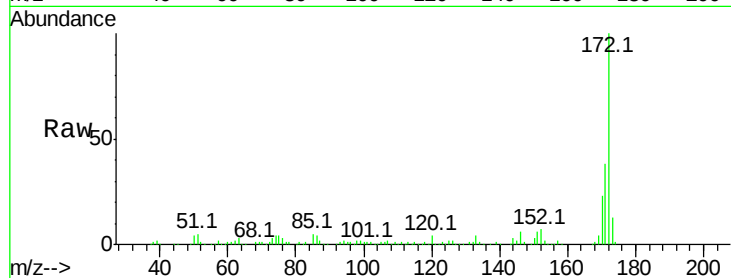
Tot Ion:172 Resp: 282893

Ion Ratio Lower Upper

172 100

171 38.0 29.9 44.9

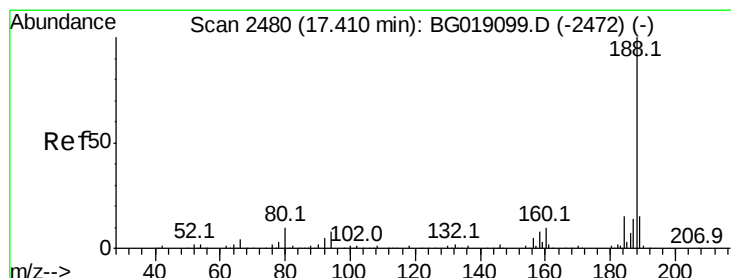
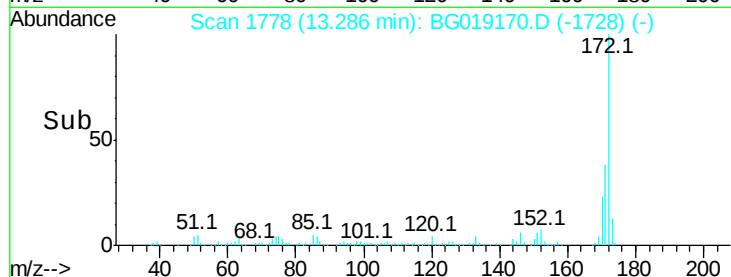
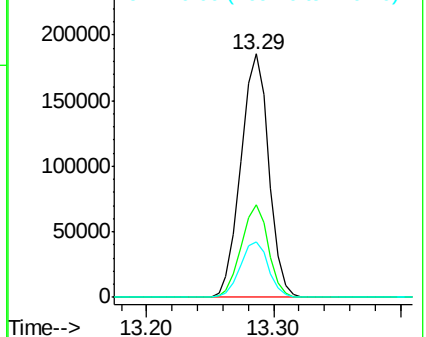
170 22.5 18.6 27.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.40 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BG019170.D

Acq: 12 Oct 2015 23:00

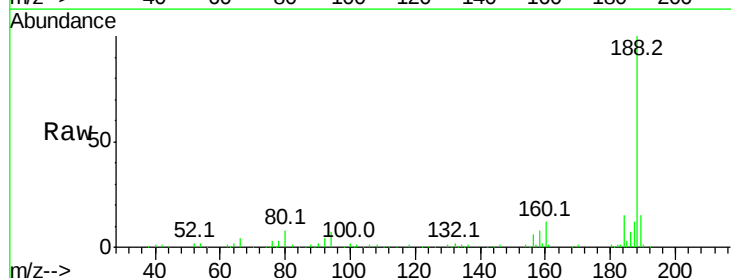
Tgt Ion:188 Resp: 147791

Ion Ratio Lower Upper

188 100

94 7.4 6.4 9.6

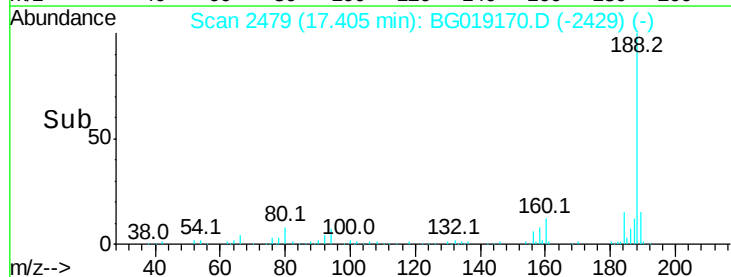
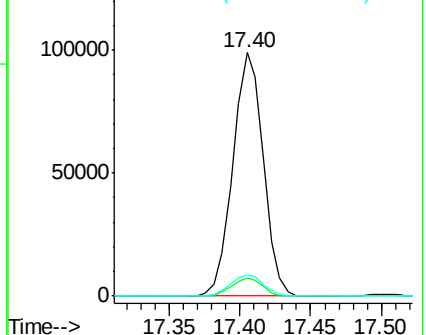
80 8.4 7.6 11.4

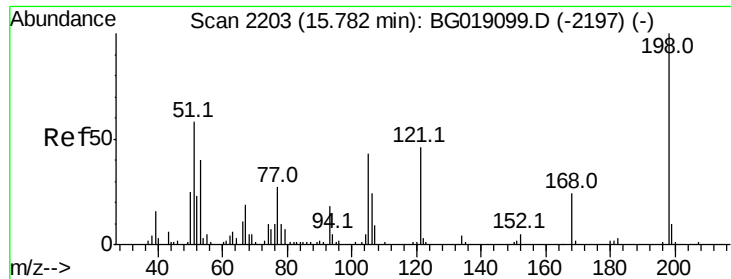


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

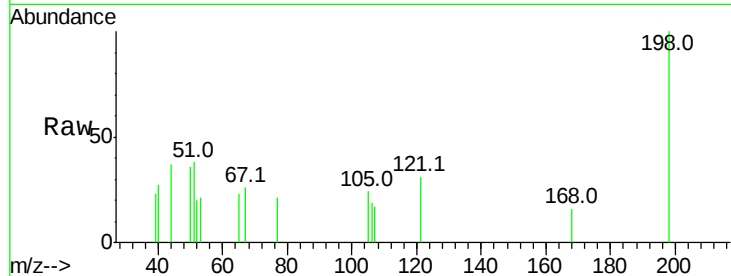




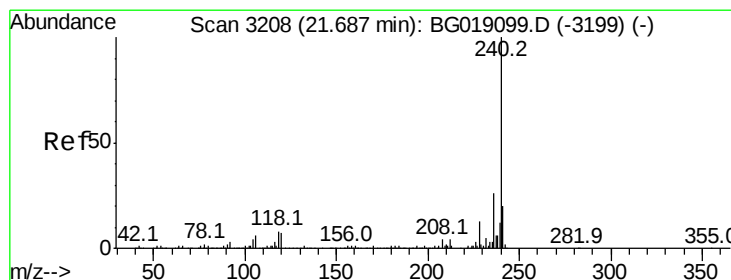
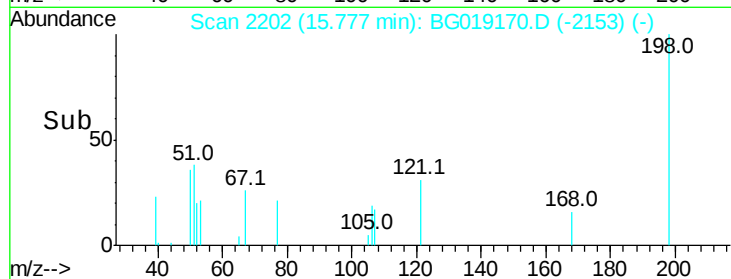
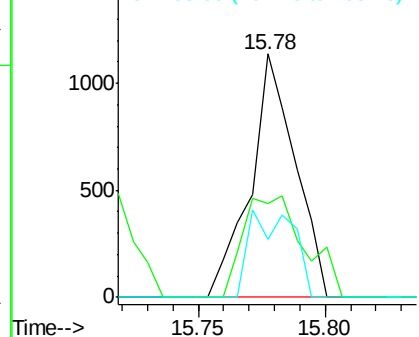
#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.74 ng
 RT: 15.78 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BG019170.D
 Acq: 12 Oct 2015 23:00

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:198 Resp: 1404
 Ion Ratio Lower Upper
 198 100
 51 38.5 40.1 80.1#
 105 24.1 23.4 63.4

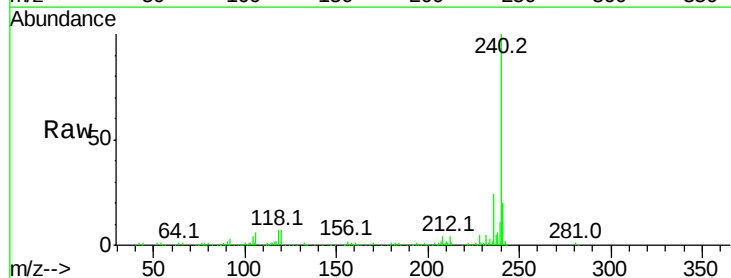


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

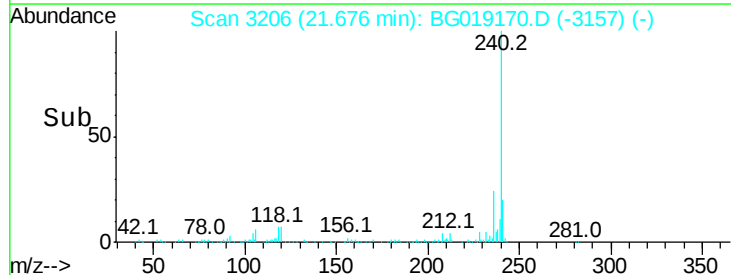
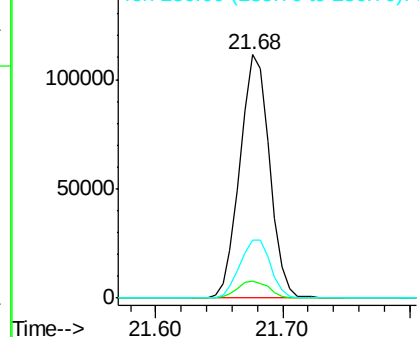


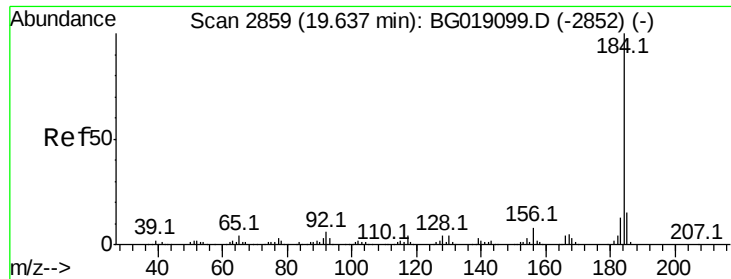
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3206
 Delta R.T. -0.01 min
 Lab File: BG019170.D
 Acq: 12 Oct 2015 23:00

Tgt Ion:240 Resp: 180115
 Ion Ratio Lower Upper
 240 100
 120 6.8 5.8 8.6
 236 23.9 21.2 31.8



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

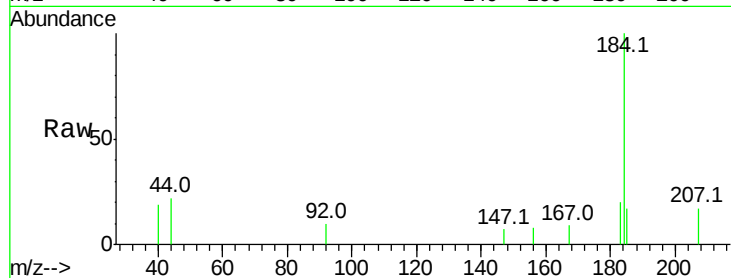




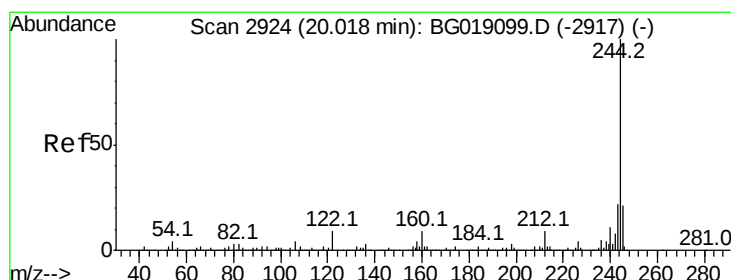
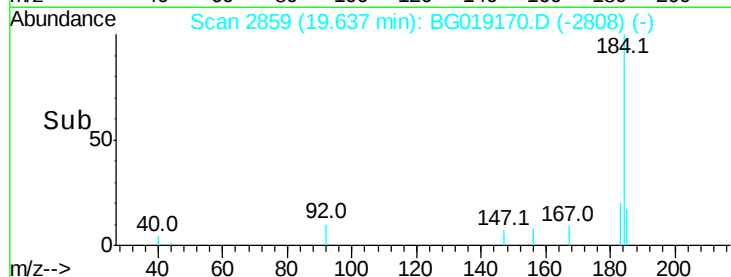
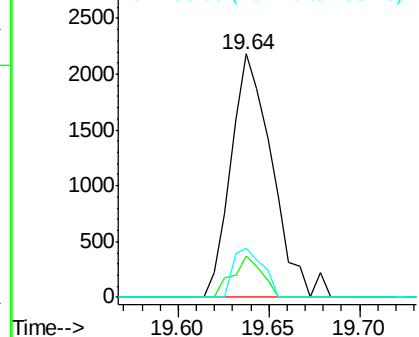
#76
Benzidine
Concen: 0.75 ng
RT: 19.64 min Scan# 2859
Delta R.T. 0.00 min
Lab File: BG019170.D
Acq: 12 Oct 2015 23:00

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:184 Resp: 3451
Ion Ratio Lower Upper
184 100
185 16.8 11.9 17.9
183 20.3 10.1 15.1#

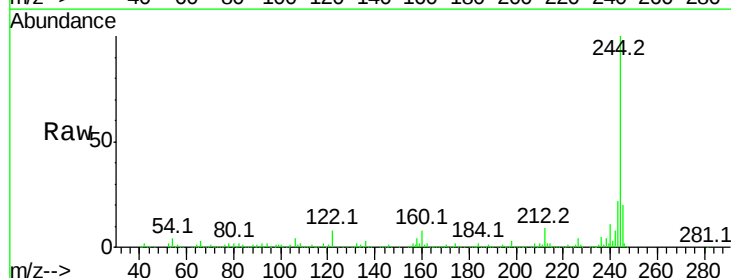


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

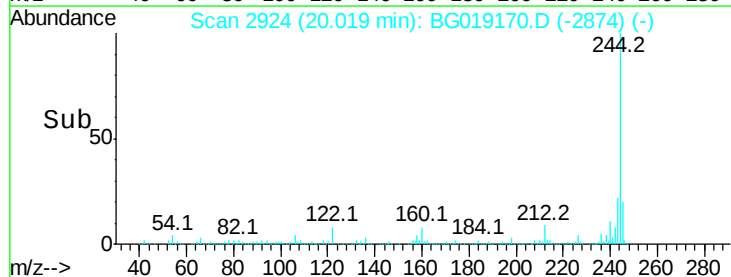
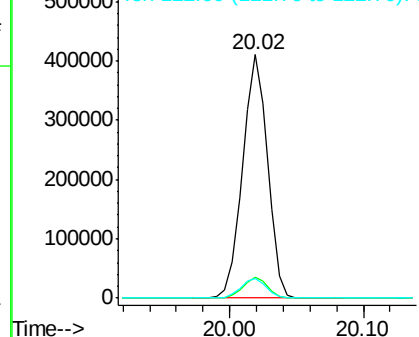


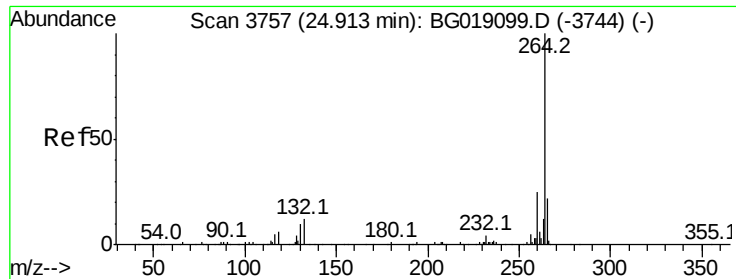
#78
Terphenyl-d14
Concen: 77.46 ng
RT: 20.02 min Scan# 2924
Delta R.T. -0.00 min
Lab File: BG019170.D
Acq: 12 Oct 2015 23:00

Tgt Ion:244 Resp: 528192
Ion Ratio Lower Upper
244 100
212 8.6 6.8 10.2
122 8.1 7.4 11.2



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





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.91 min Scan# 3756
 Delta R.T. -0.00 min
 Lab File: BG019170.D
 Acq: 12 Oct 2015 23:00

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.1	30.1
265	21.1	17.2	25.8

