

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032117\
 Data File : BG026363.D
 Acq On : 21 Mar 2017 18:04
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 5 PPB
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 23 13:24:23 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	118235	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	515509	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	299400	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	716958	20.00	ng	0.00
75) Chrysene-d12	21.63	240	883394	20.00	ng	0.00
86) Perylene-d12	24.81	264	854457	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	895630	134.45	ng	0.00
7) Phenol-d6	7.20	99	1147865	128.35	ng	0.00
23) Nitrobenzene-d5	9.20	82	699438	81.58	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	490710	143.12	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	1902142	89.10	ng	0.00
78) Terphenyl-d14	19.98	244	2690368	73.96	ng	0.00

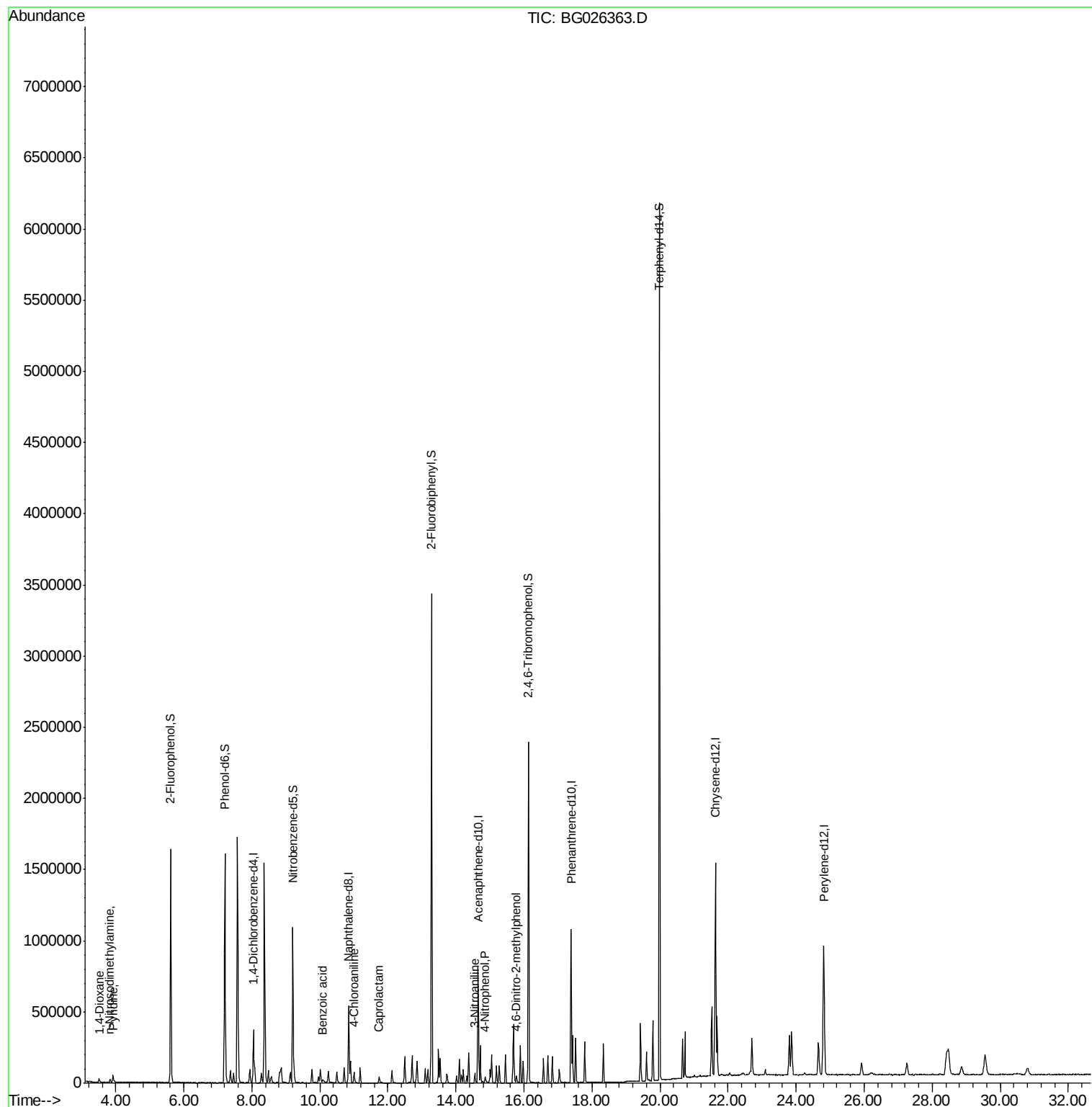
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	17196	5.75	ng	# 66
3) Pyridine	3.91	79	41843	5.11	ng	# 65
4) n-Nitrosodimethylamine	3.82	42	9909	4.43	ng	# 1
32) Benzoic acid	10.08	122	11985	2.15	ng	# 60
33) 4-Chloroaniline	11.01	127	52320	4.94	ng	# 81
35) Caprolactam	11.75	113	12918	4.48	ng	# 39
52) 3-Nitroaniline	14.55	138	26020	4.48	ng	# 72
55) 4-Nitrophenol	14.86	139	19064	4.01	ng	# 35
64) 4,6-Dinitro-2-methylphenol	15.77	198	18202	4.03	ng	86

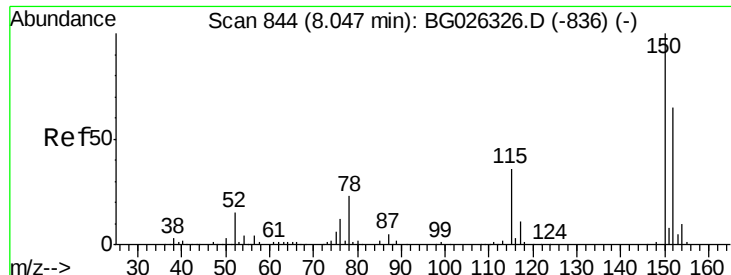
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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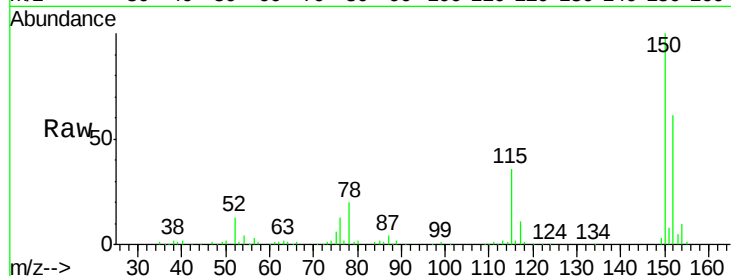


#1

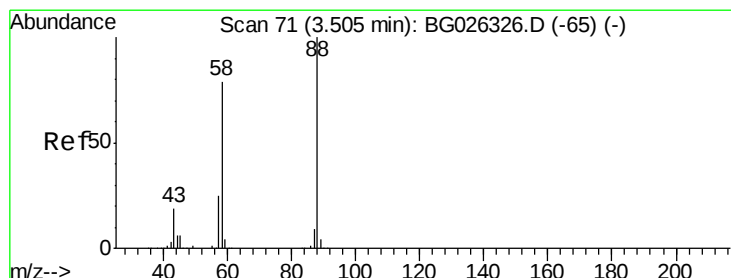
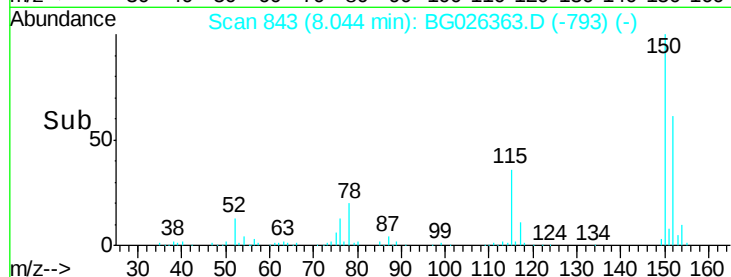
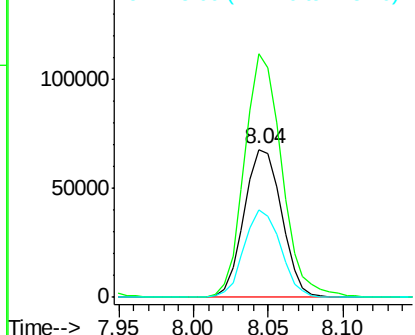
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion:152 Resp: 118235
Ion Ratio Lower Upper
152 100
150 164.9 114.0 171.0
115 59.2 48.1 72.1



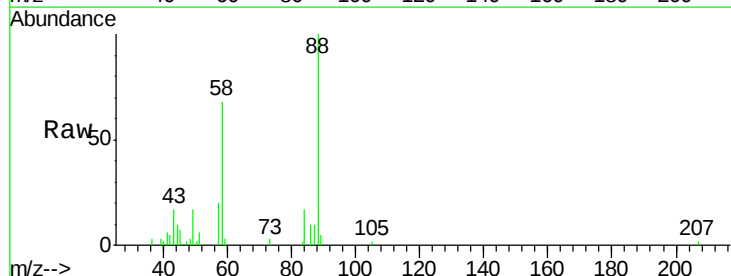
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



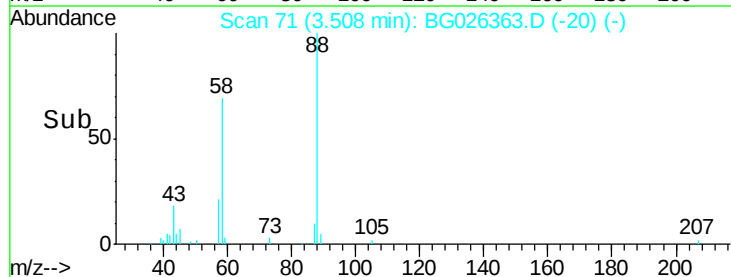
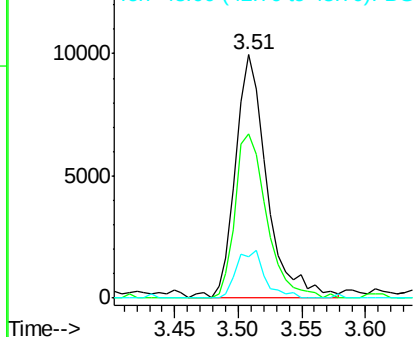
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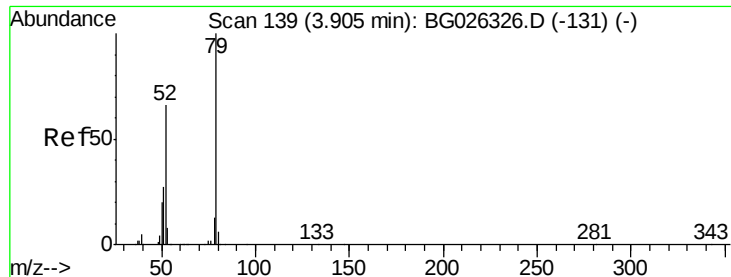
1,4-Dioxane
Concen: 5.75 ng
RT: 3.51 min Scan# 71
Delta R.T. 0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion: 88 Resp: 17196
Ion Ratio Lower Upper
88 100
58 67.4 79.4 119.2#
43 17.4 33.8 50.6#



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





#3

Pyridine

Concen: 5.11 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

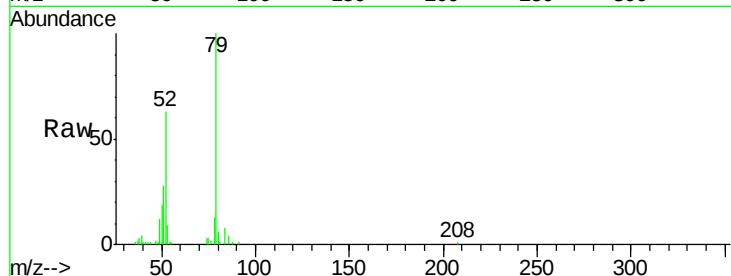
Tgt Ion: 79 Resp: 41843

Ion Ratio Lower Upper

79 100

52 62.8 77.8 116.6#

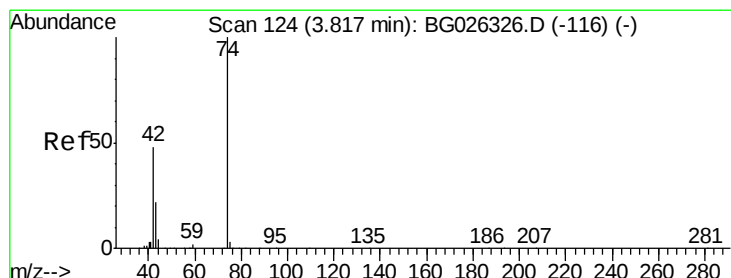
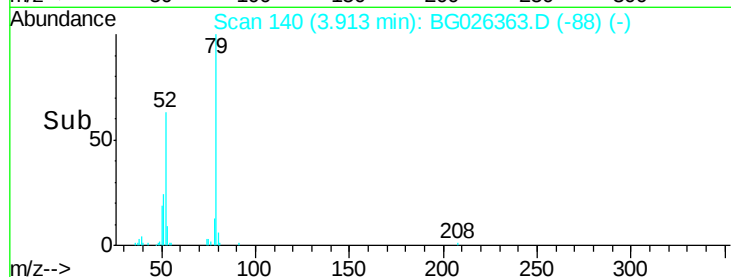
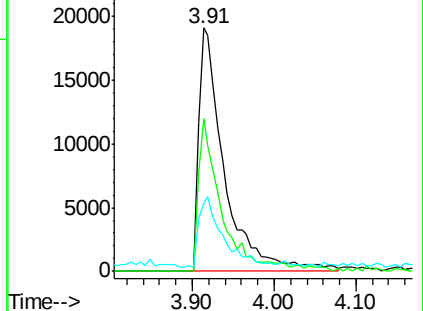
51 28.1 43.2 64.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 4.43 ng

RT: 3.82 min Scan# 124

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

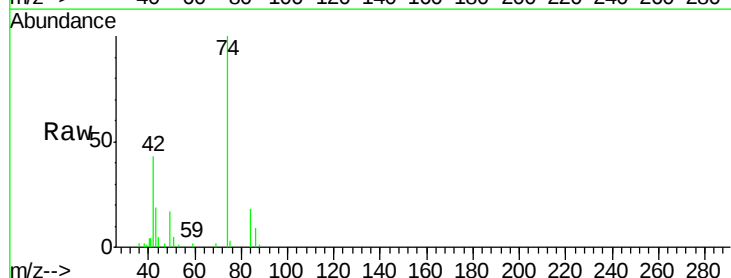
Tgt Ion: 42 Resp: 9909

Ion Ratio Lower Upper

42 100

74 231.9 76.7 115.1#

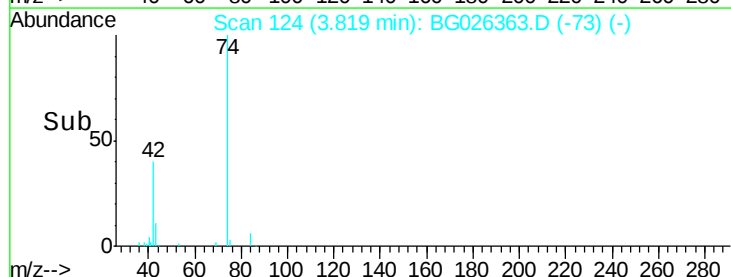
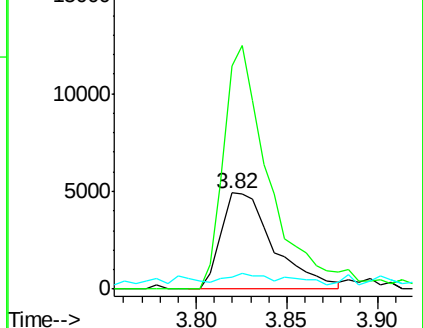
44 11.9 6.1 9.1#

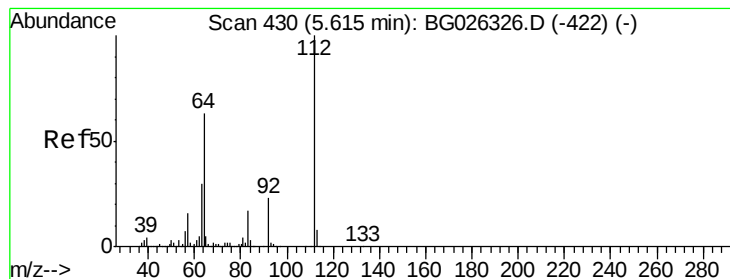


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 134.45 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

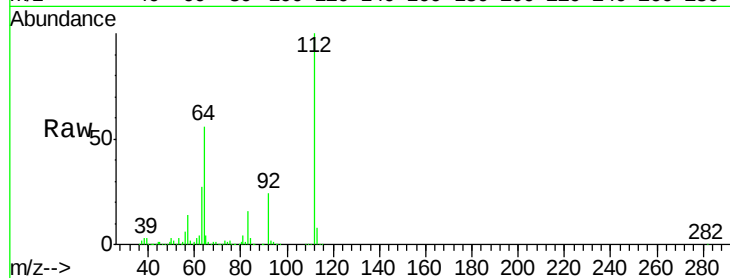
Tgt Ion:112 Resp: 895630

Ion Ratio Lower Upper

112 100

64 55.6 61.8 92.6#

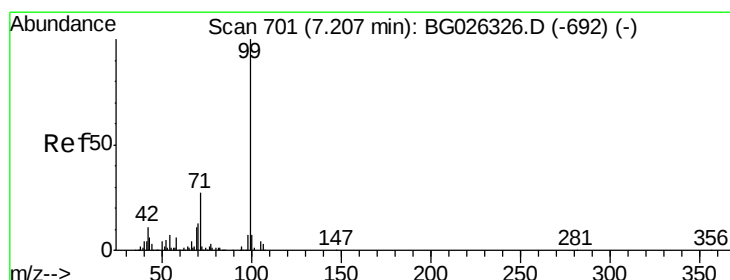
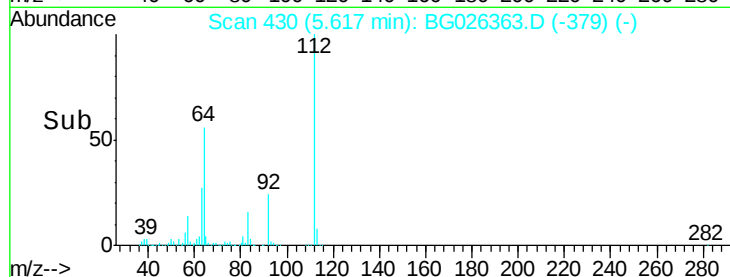
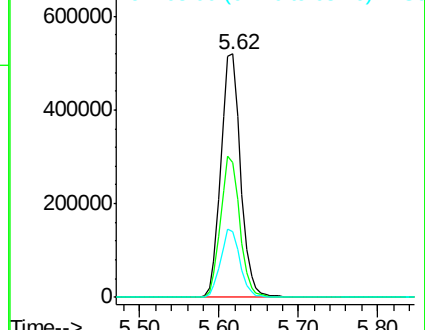
63 27.1 37.2 55.8#



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: 128.35 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

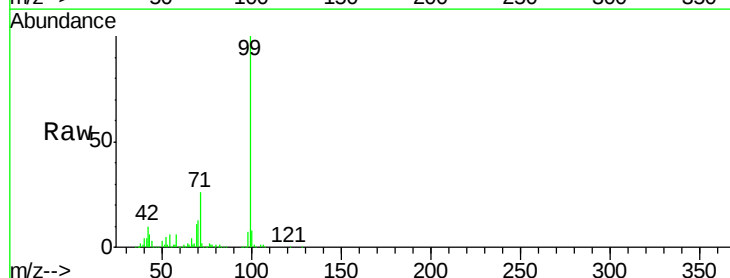
Tgt Ion: 99 Resp: 1147865

Ion Ratio Lower Upper

99 100

42 10.5 20.5 30.7#

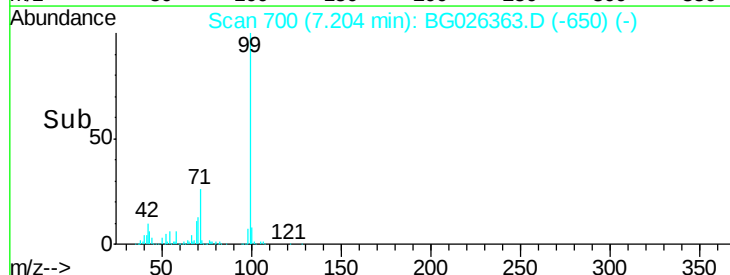
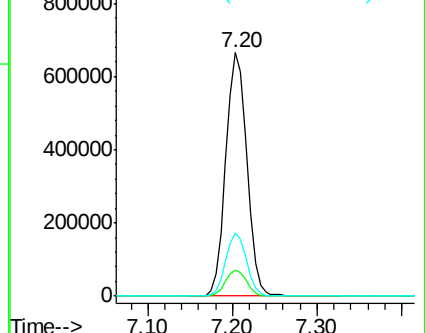
71 26.1 37.6 56.4#

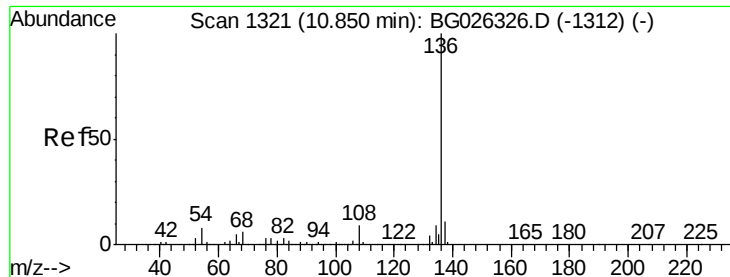


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

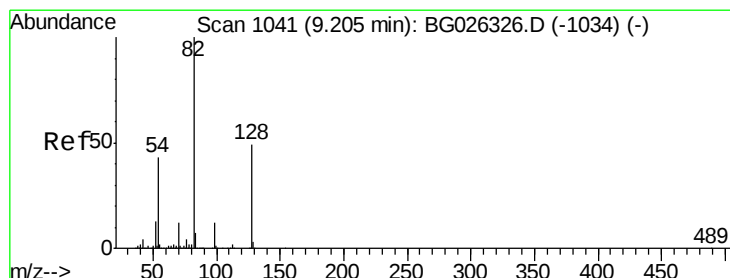
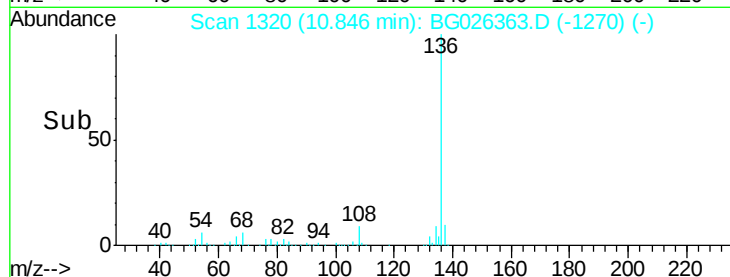
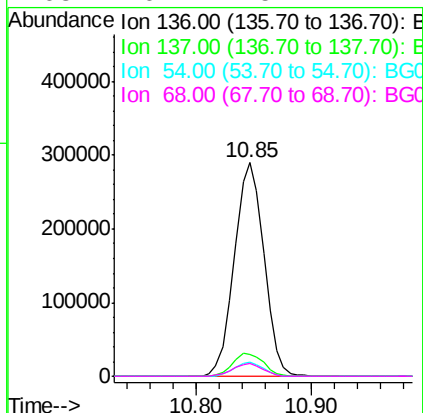
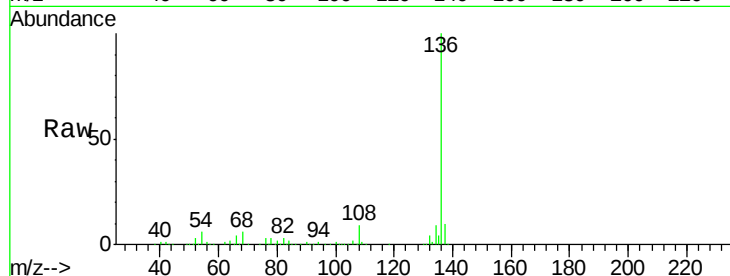




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

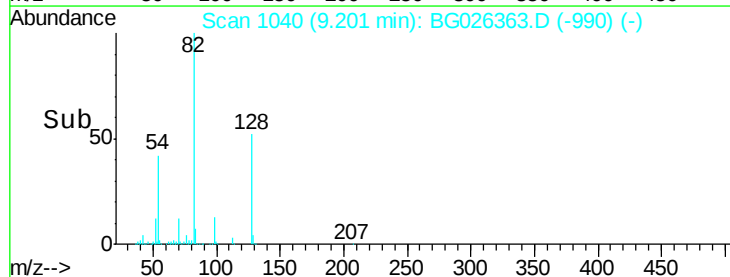
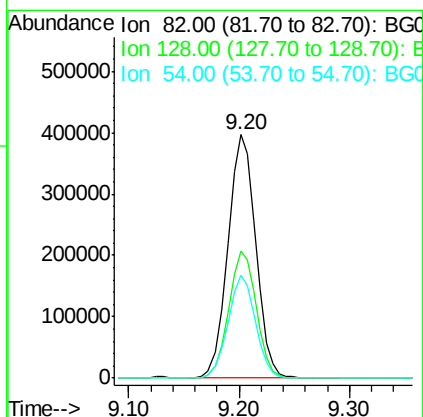
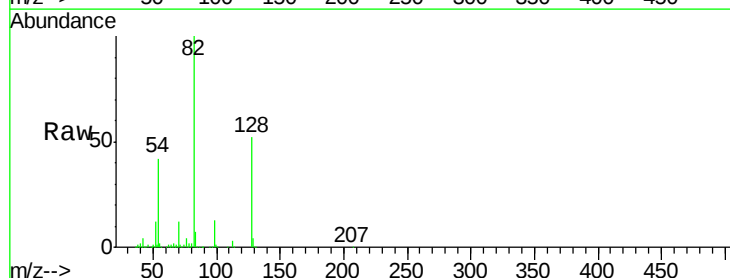
Instrument :
BNA_G
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LOD-SOIL-01-QT2-2017

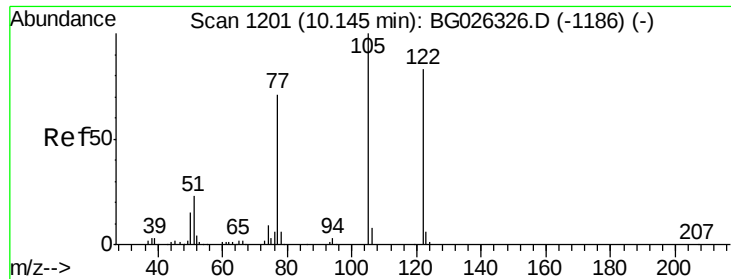
Tgt Ion:	136	Resp:	515509
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.5	9.3	13.9#
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 81.58 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion:	82	Resp:	699438
Ion	Ratio	Lower	Upper
82	100		
128	52.4	26.4	39.6#
54	42.3	49.4	74.2#





#32

Benzoic acid

Concen: 2.15 ng

RT: 10.08 min Scan# 1190

Delta R.T. -0.06 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

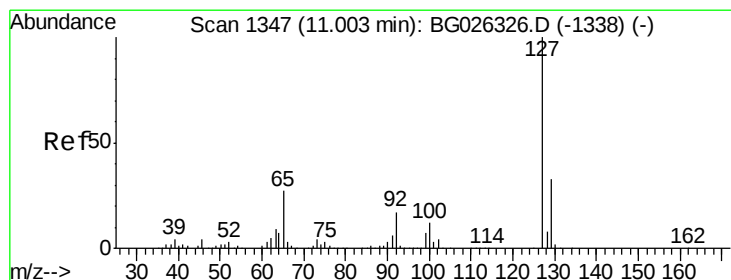
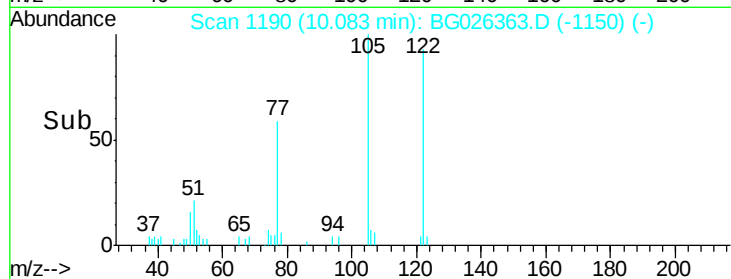
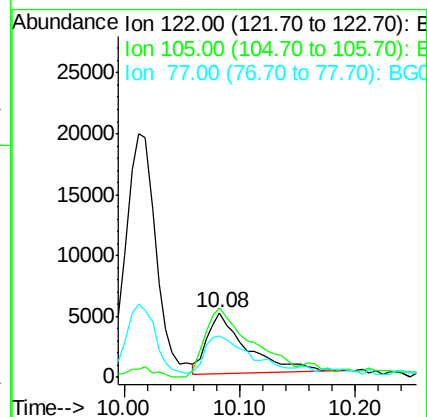
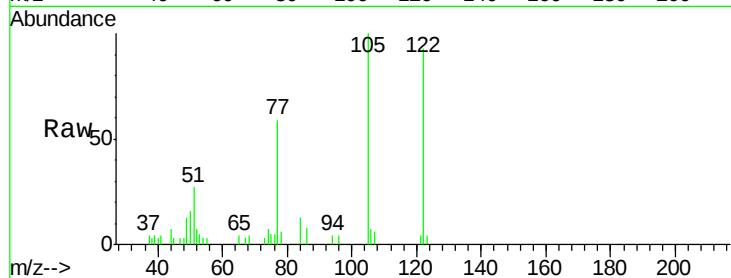
Tgt Ion:122 Resp: 11985

Ion Ratio Lower Upper

122 100

105 107.2 120.1 160.1#

77 63.1 104.6 144.6#



#33

4-Chloroaniline

Concen: 4.94 ng

RT: 11.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Tgt Ion:127 Resp: 52320

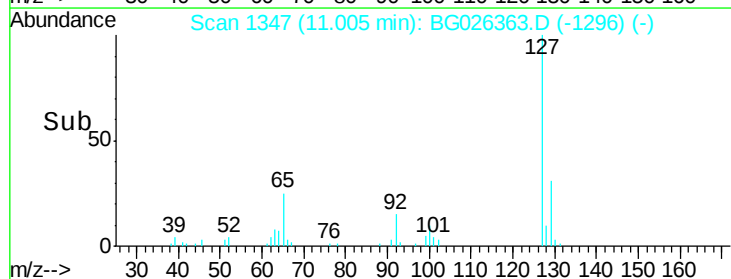
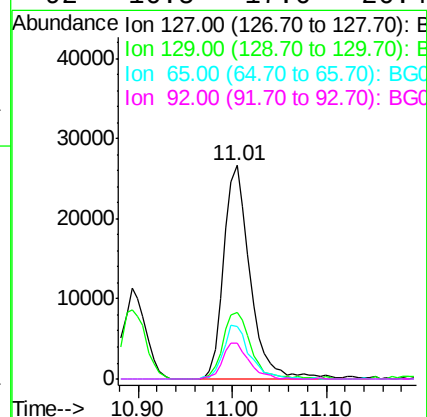
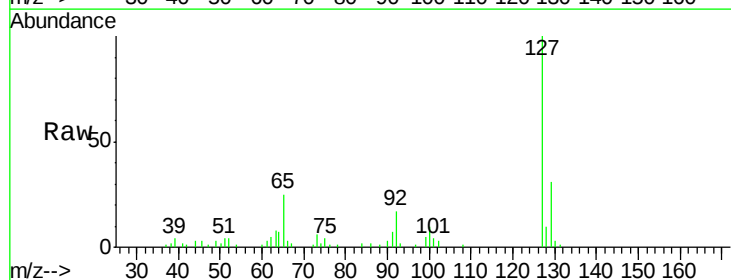
Ion Ratio Lower Upper

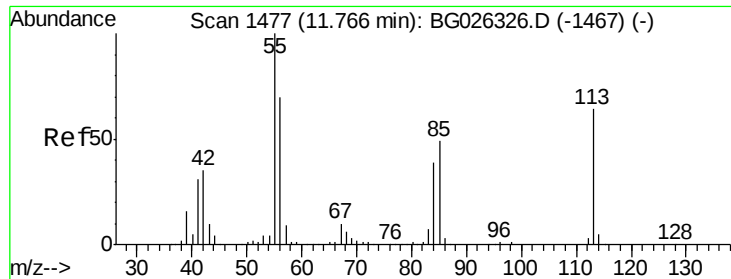
127 100

129 30.9 23.6 35.4

65 24.7 37.7 56.5#

92 16.5 17.6 26.4#

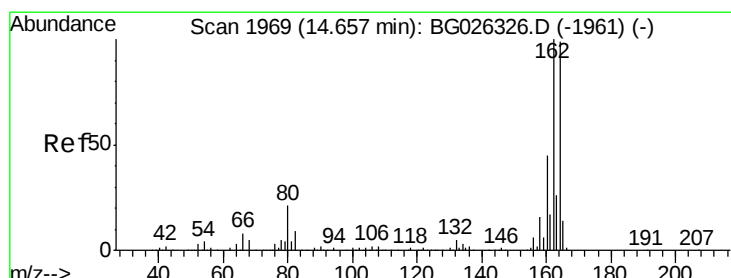
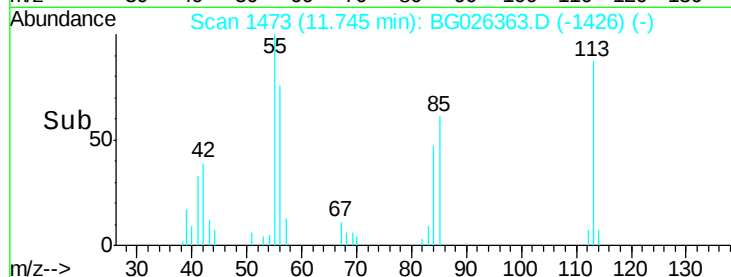
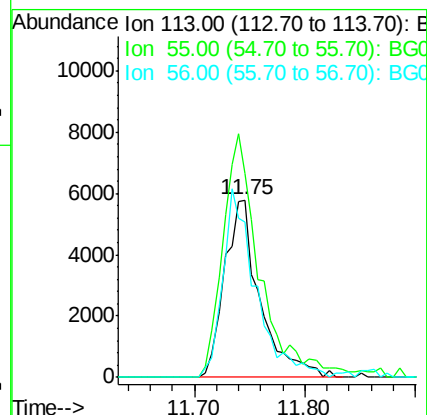
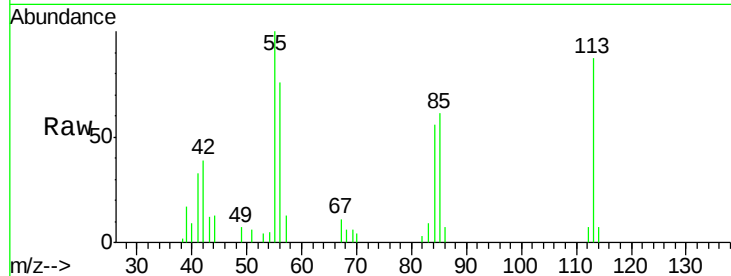




#35
 Caprolactam
 Concen: 4.48 ng
 RT: 11.75 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

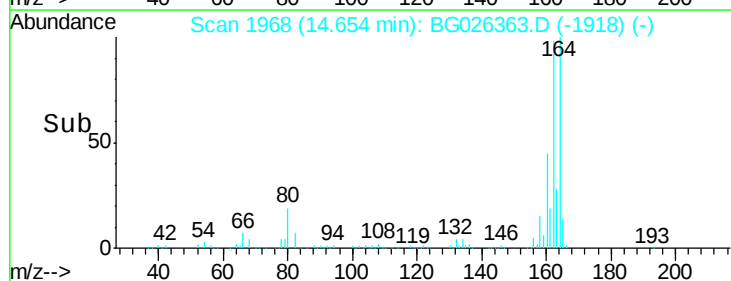
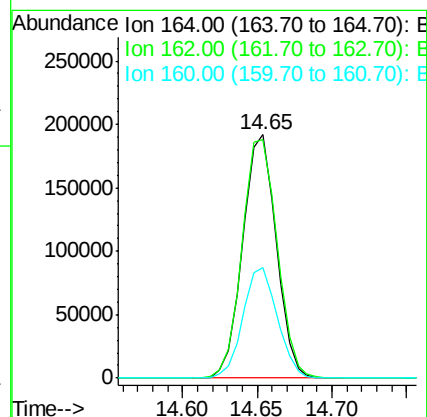
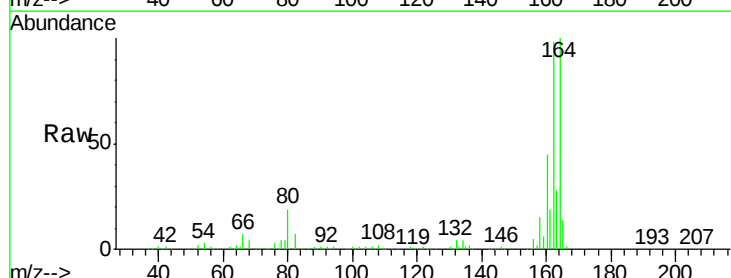
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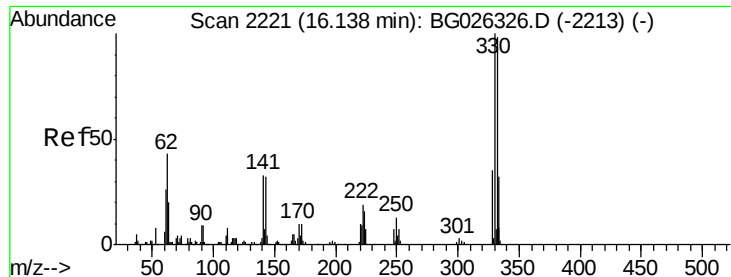
Tgt Ion:113 Resp: 12918
 Ion Ratio Lower Upper
 113 100
 55 114.6 198.6 238.6#
 56 87.2 140.4 180.4#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:164 Resp: 299400
 Ion Ratio Lower Upper
 164 100
 162 98.2 85.1 127.7
 160 45.2 34.7 52.1

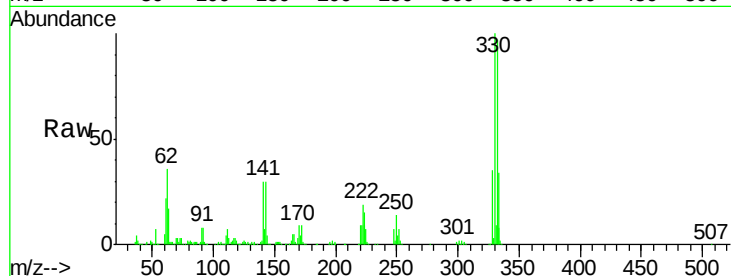




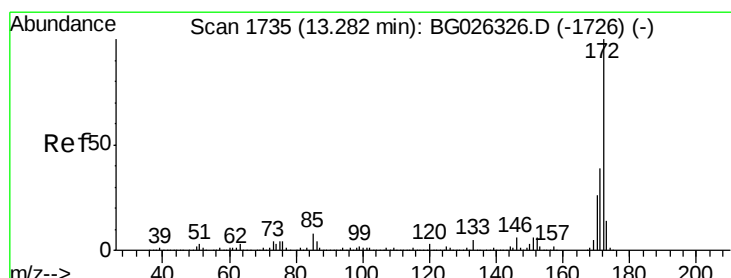
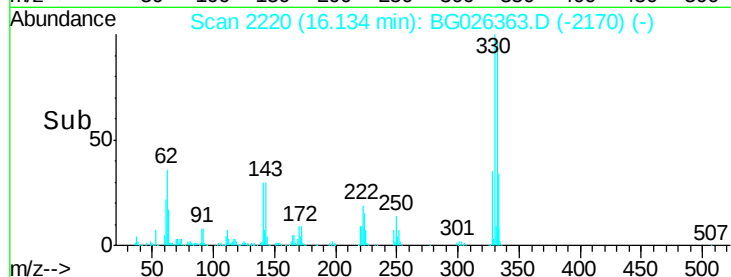
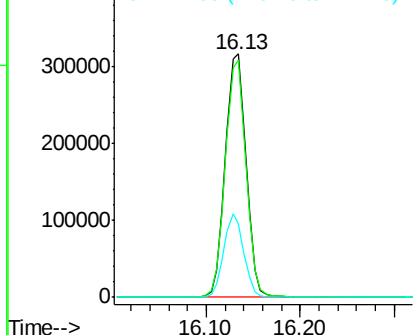
#41
 2,4,6-Tribromophenol
 Concen: 143.12 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tgt Ion:330 Resp: 490710
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 32.8 32.1 48.1

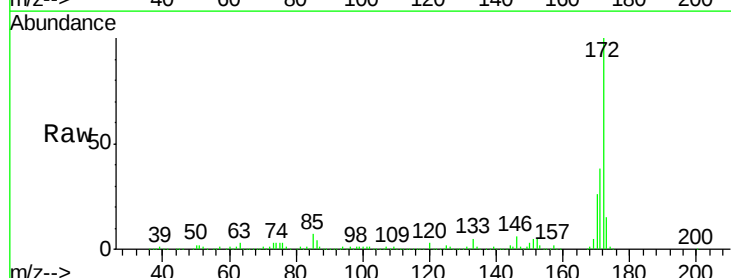


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

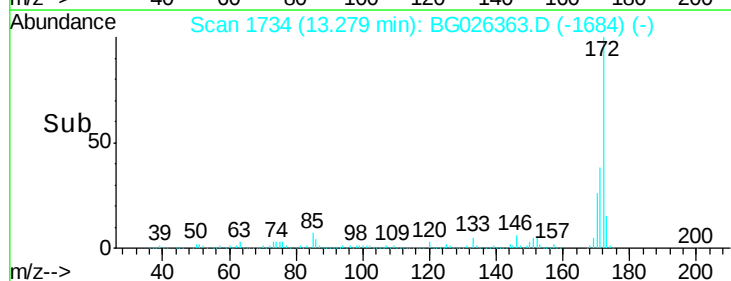
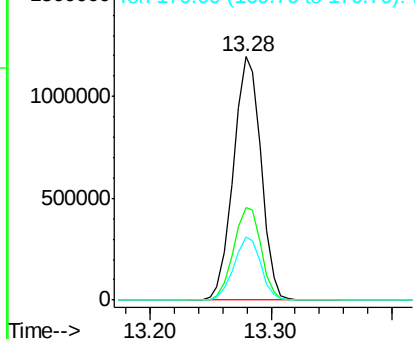


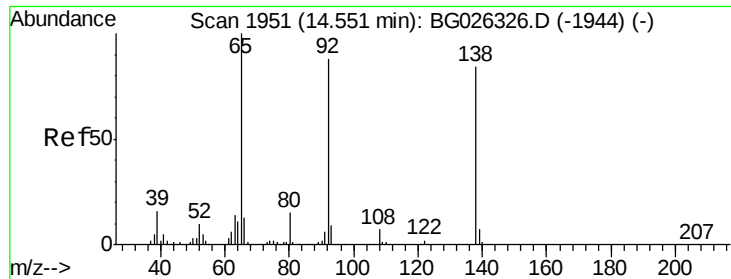
#44
 2-Fluorobiphenyl
 Concen: 89.10 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:172 Resp: 1902142
 Ion Ratio Lower Upper
 172 100
 171 38.2 32.2 48.2
 170 25.9 21.8 32.6



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





#52

3-Nitroaniline

Concen: 4.48 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

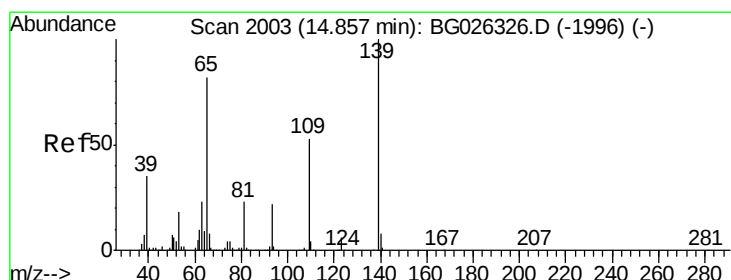
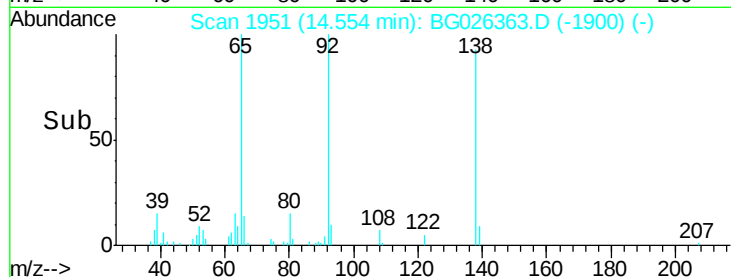
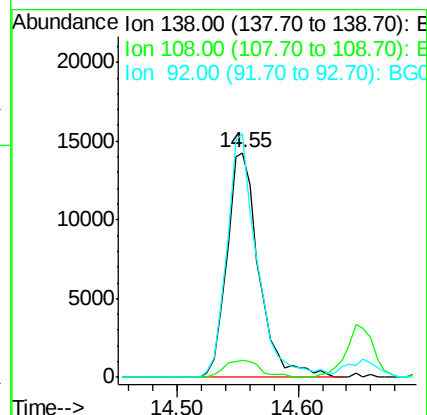
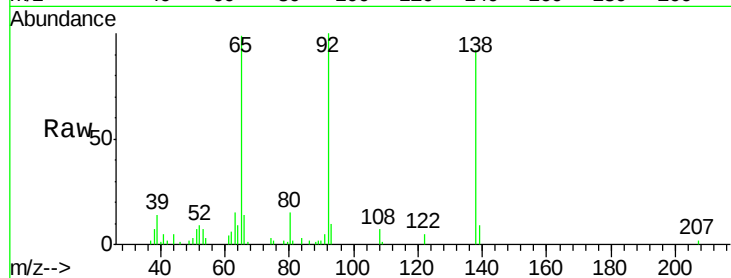
Tgt Ion:138 Resp: 26020

Ion Ratio Lower Upper

138 100

108 7.6 10.9 16.3#

92 108.5 115.3 172.9#



#55

4-Nitrophenol

Concen: 4.01 ng

RT: 14.86 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

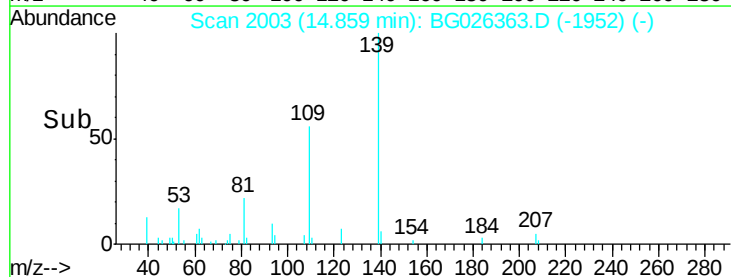
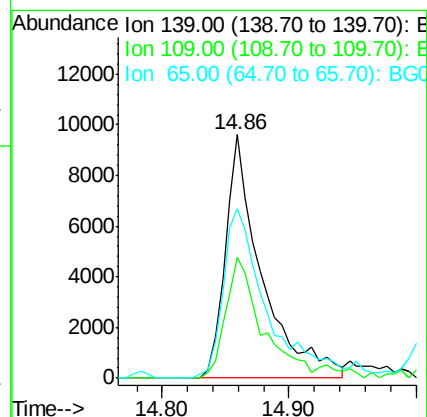
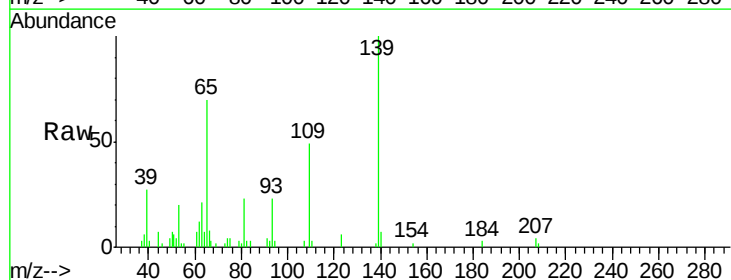
Tgt Ion:139 Resp: 19064

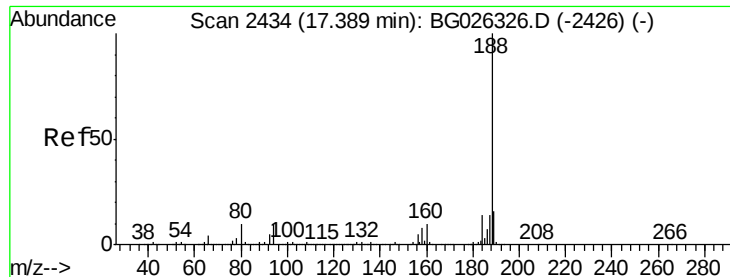
Ion Ratio Lower Upper

139 100

109 49.4 101.2 141.2#

65 69.7 135.3 175.3#

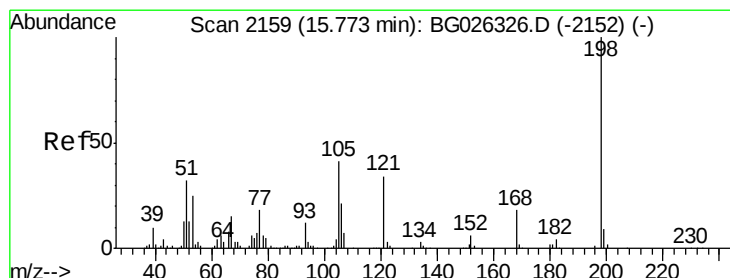
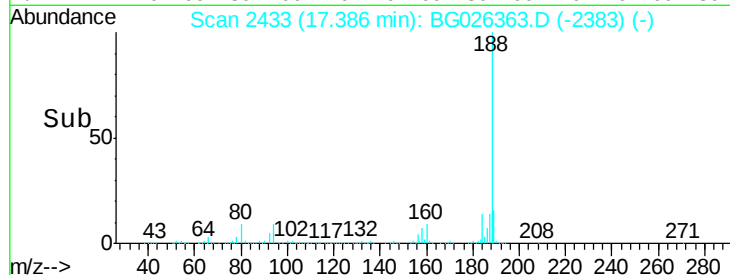
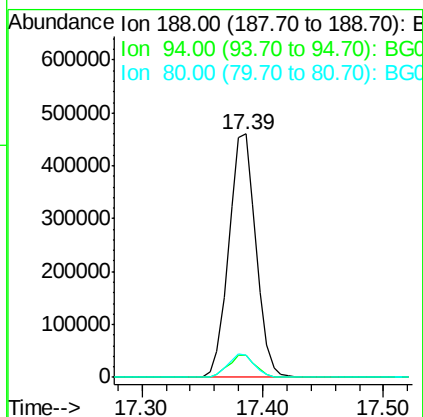
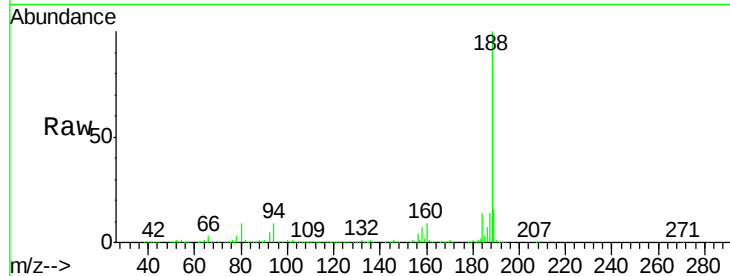




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.39 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

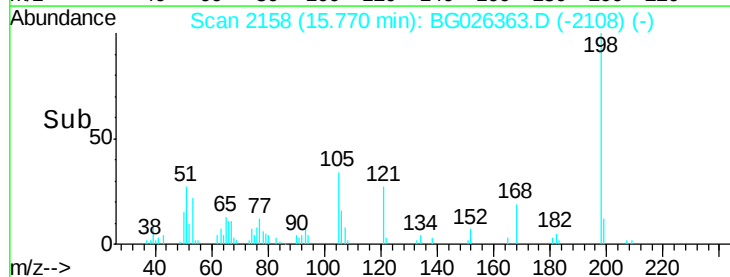
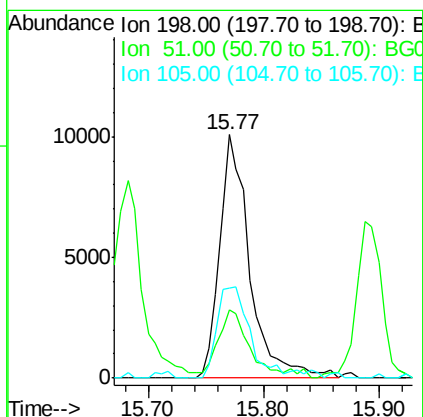
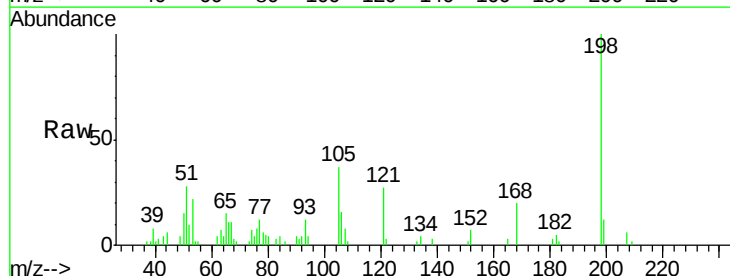
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

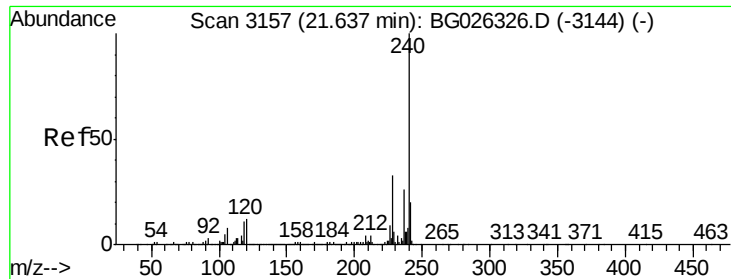
Tgt Ion:188 Resp: 716958
Ion Ratio Lower Upper
188 100
94 9.0 5.8 8.8#
80 9.2 7.5 11.3



#64
4,6-Dinitro-2-methylphenol
Concen: 4.03 ng
RT: 15.77 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion:198 Resp: 18202
Ion Ratio Lower Upper
198 100
51 28.3 22.6 62.6
105 37.0 14.4 54.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

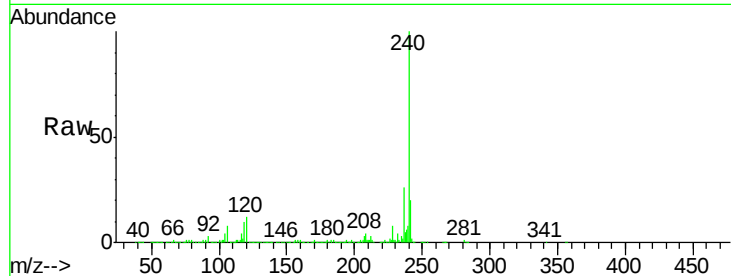
Tgt Ion:240 Resp: 883394

Ion Ratio Lower Upper

240 100

120 12.0 5.7 8.5#

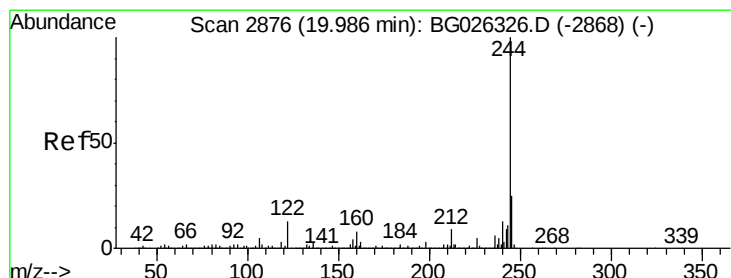
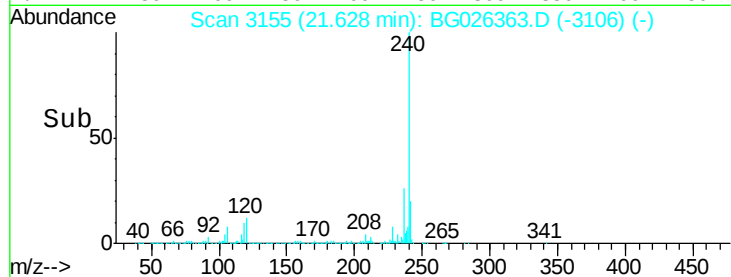
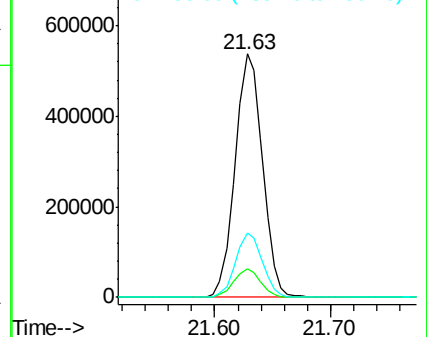
236 26.3 22.2 33.4



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



#78

Terphenyl-d14

Concen: 73.96 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

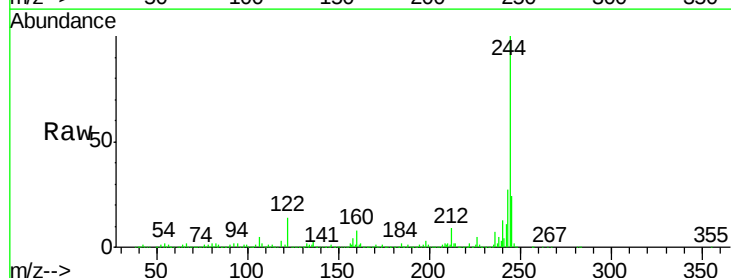
Tgt Ion:244 Resp: 2690368

Ion Ratio Lower Upper

244 100

212 8.8 10.0 15.0#

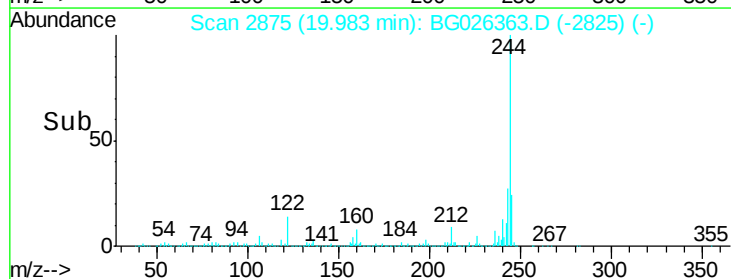
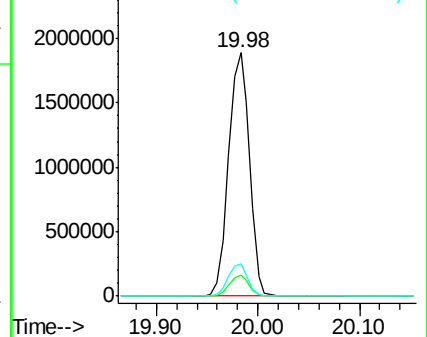
122 13.6 8.6 12.8#

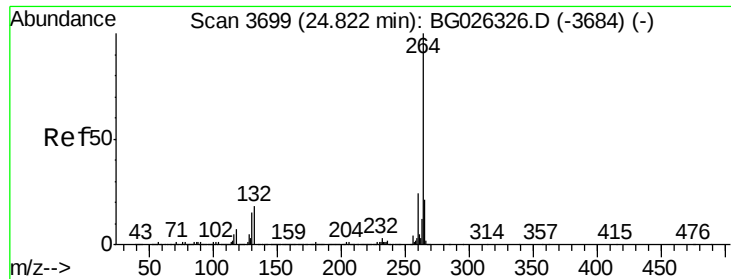


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

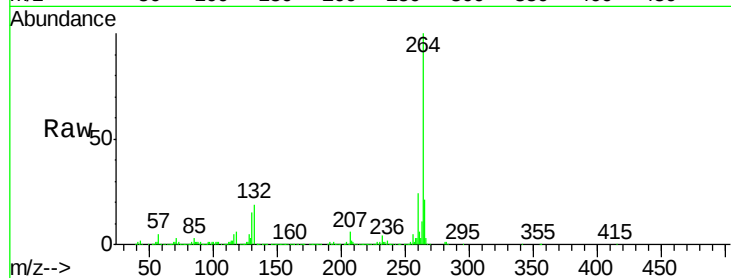




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 3696
Delta R.T. -0.02 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	21.8	32.8
265	20.9	18.2	27.4



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

