

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071417\
 Data File : BG027931.D
 Acq On : 14 Jul 2017 19:00
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 5PPM LOD
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 17 08:20:44 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 16:10:34 2017
 Response via : Initial Calibration

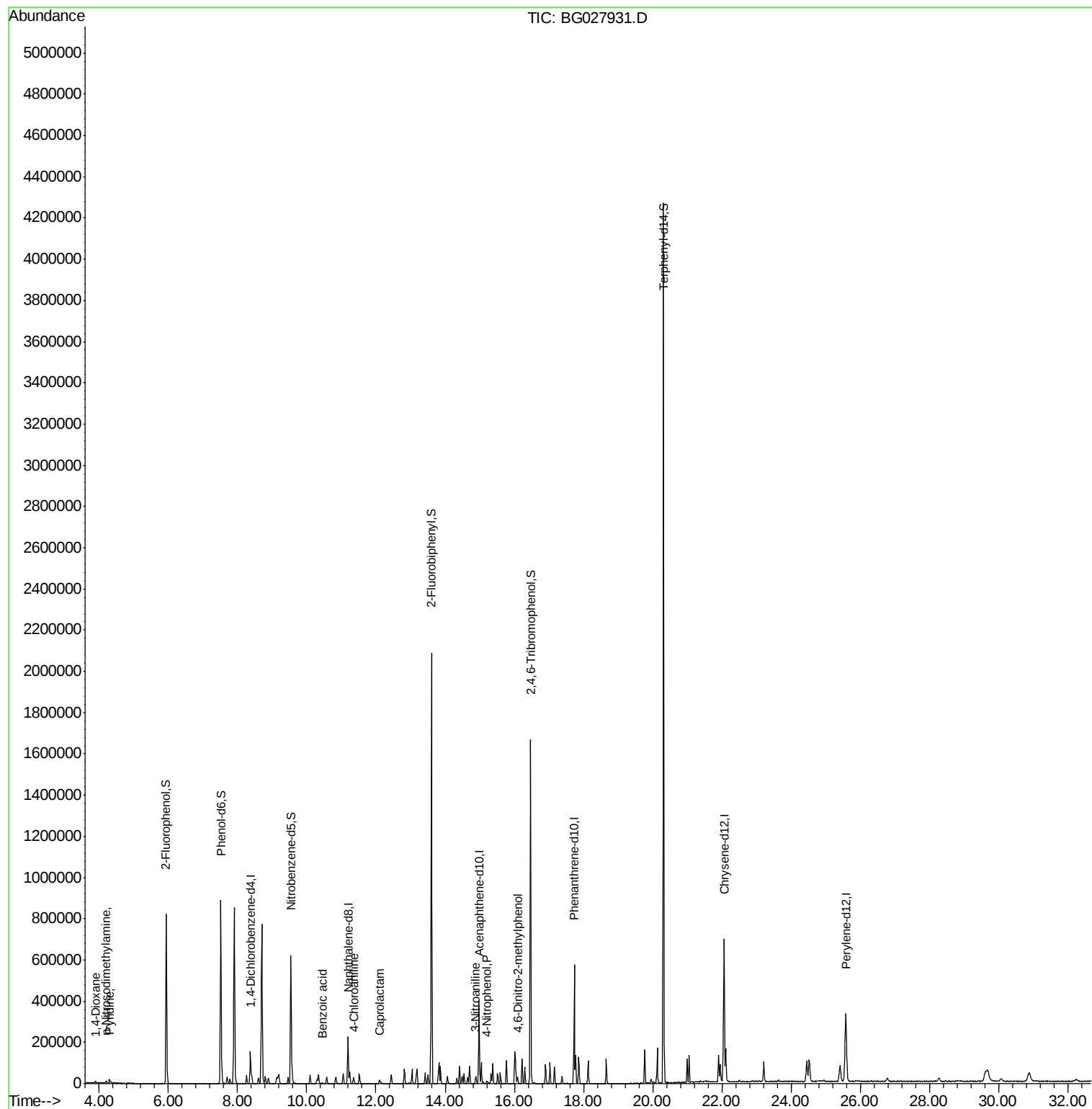
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.37	152	46758	20.00	ng	0.00
21) Naphthalene-d8	11.19	136	198489	20.00	ng	0.00
38) Acenaphthene-d10	14.98	164	142004	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	381711	20.00	ng	0.00
75) Chrysene-d12	22.06	240	467998	20.00	ng	0.00
86) Perylene-d12	25.58	264	430704	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.94	112	372753	142.59	ng	0.00
7) Phenol-d6	7.52	99	503811	133.77	ng	0.00
23) Nitrobenzene-d5	9.54	82	371629	104.61	ng	0.00
41) 2,4,6-Tribromophenol	16.47	330	345937	164.38	ng	0.00
44) 2-Fluorobiphenyl	13.61	172	1172896	108.93	ng	0.00
78) Terphenyl-d14	20.31	244	2011362	97.18	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.89	88	5149	5.290	ng	88
3) Pyridine	4.30	79	13828	4.953	ng	91
4) n-Nitrosodimethylamine	4.20	42	7606	4.850	ng	# 83
32) Benzoic acid	10.46	122	2282m	8.677	ng	
33) 4-Chloroaniline	11.36	127	19380	4.792	ng	# 85
35) Caprolactam	12.10	113	4604	4.419	ng	91
52) 3-Nitroaniline	14.88	138	10228	4.260	ng	89
55) 4-Nitrophenol	15.20	139	5628	7.410	ng	# 63
64) 4,6-Dinitro-2-methylphenol	16.10	198	9164	3.602	ng	95

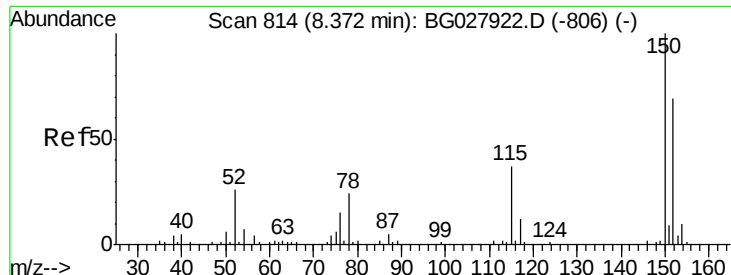
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.37 min Scan# 814

Delta R.T. -0.00 min

Lab File: BG027931.D

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Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

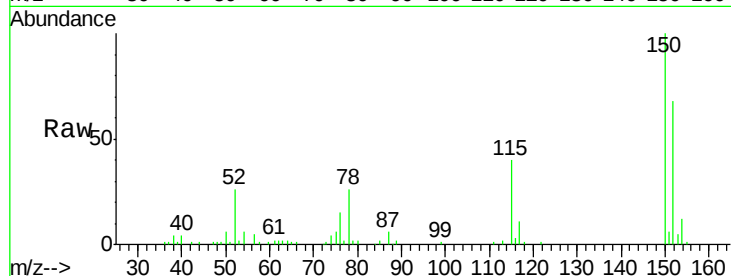
Tgt Ion:152 Resp: 46758

Ion Ratio Lower Upper

152 100

150 146.7 114.0 171.0

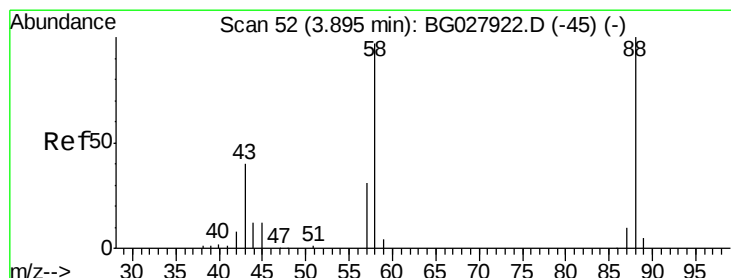
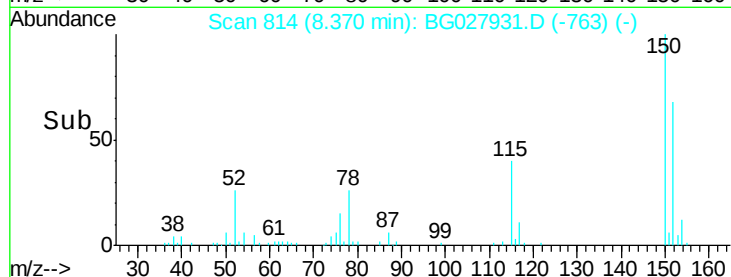
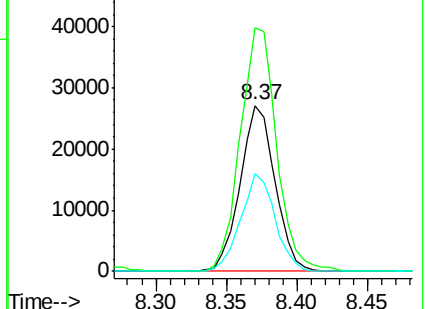
115 58.8 48.1 72.1



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



#2

1,4-Dioxane

Concen: 5.290 ng

RT: 3.89 min Scan# 52

Delta R.T. -0.00 min

Lab File: BG027931.D

Acq: 14 Jul 2017 19:00

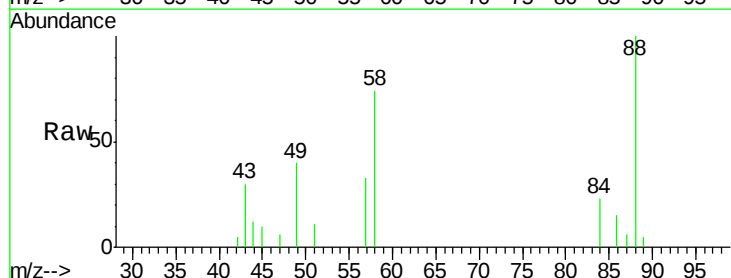
Tgt Ion: 88 Resp: 5149

Ion Ratio Lower Upper

88 100

58 85.2 79.4 119.2

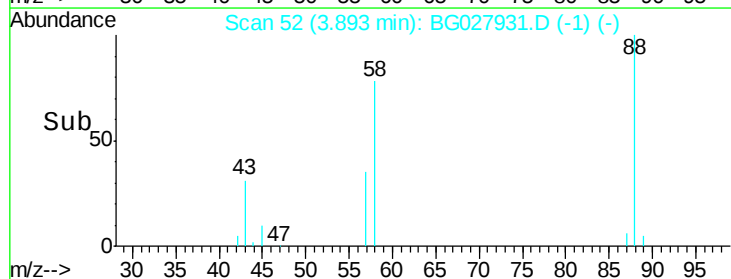
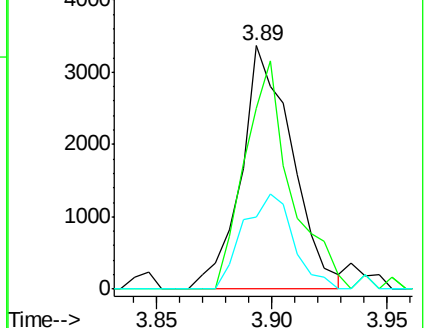
43 38.7 33.8 50.6

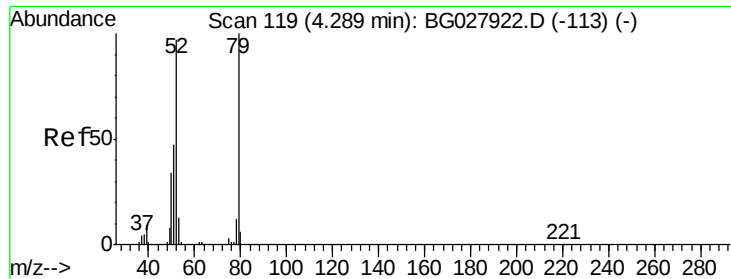


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 4.953 ng

RT: 4.30 min Scan# 121

Delta R.T. 0.01 min

Lab File: BG027931.D

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Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

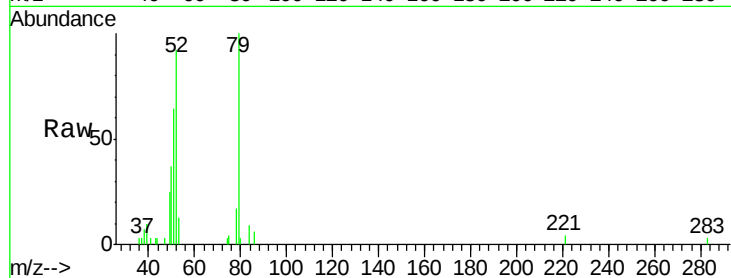
Tgt Ion: 79 Resp: 13828

Ion Ratio Lower Upper

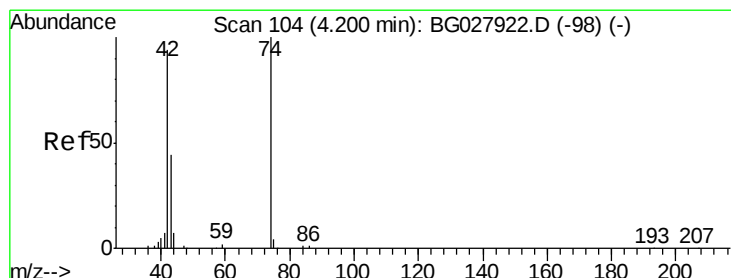
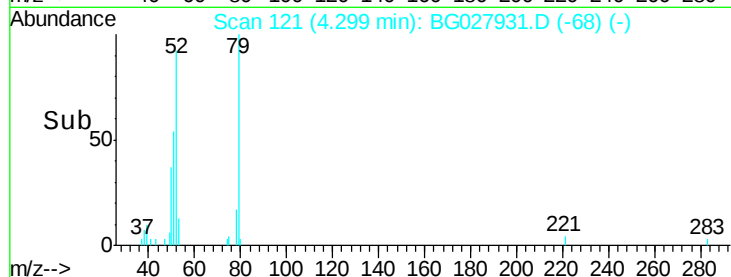
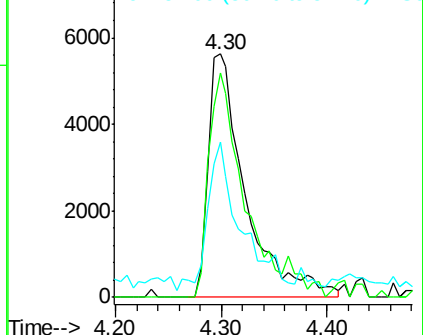
79 100

52 89.4 77.8 116.6

51 61.9 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: 4.850 ng

RT: 4.20 min Scan# 105

Delta R.T. 0.00 min

Lab File: BG027931.D

Acq: 14 Jul 2017 19:00

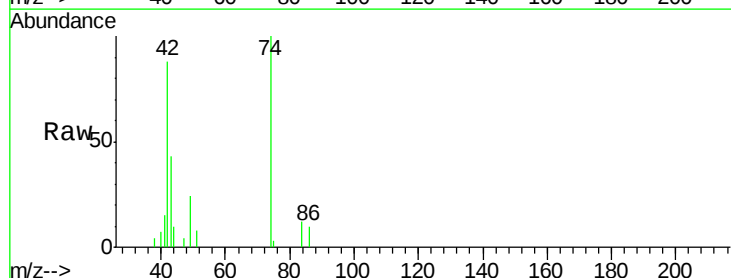
Tgt Ion: 42 Resp: 7606

Ion Ratio Lower Upper

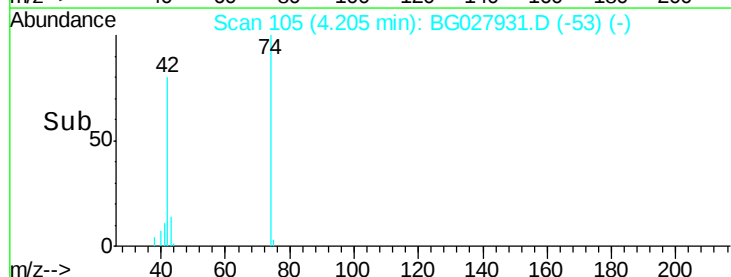
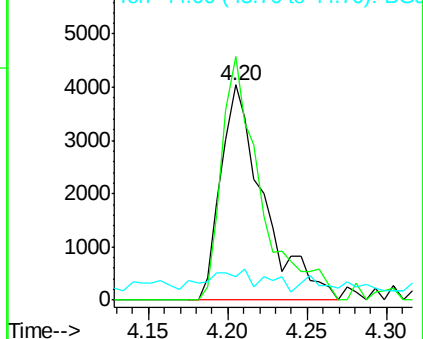
42 100

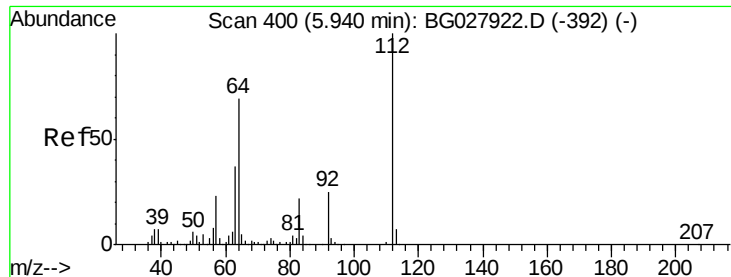
74 113.2 76.7 115.1

44 10.8 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: 142.594 ng

RT: 5.94 min Scan# 400

Delta R.T. -0.00 min

Lab File: BG027931.D

Acq: 14 Jul 2017 19:00

Instrument :

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LOD-SOIL-01-QT3-2017

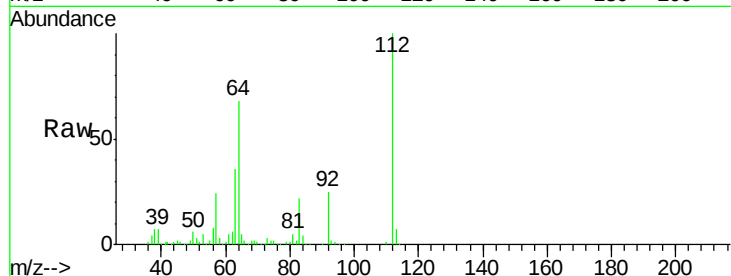
Tgt Ion: 112 Resp: 372753

Ion Ratio Lower Upper

112 100

64 67.5 61.8 92.6

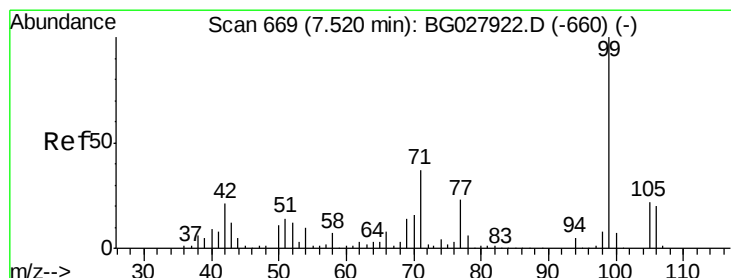
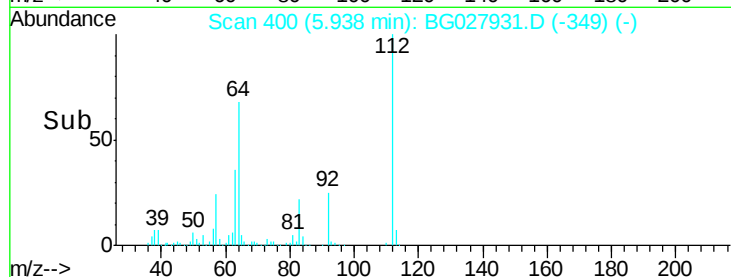
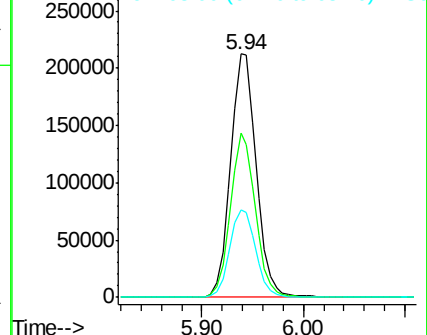
63 36.0 37.2 55.8#



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: 133.771 ng

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG027931.D

Acq: 14 Jul 2017 19:00

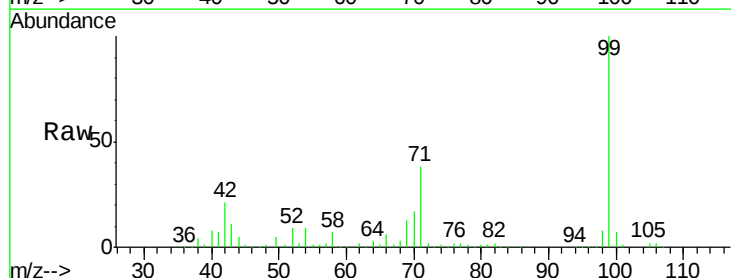
Tgt Ion: 99 Resp: 503811

Ion Ratio Lower Upper

99 100

42 21.1 20.5 30.7

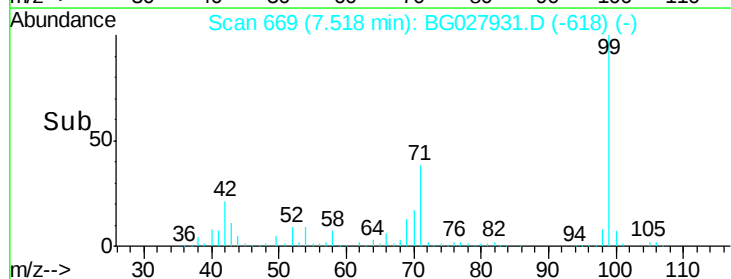
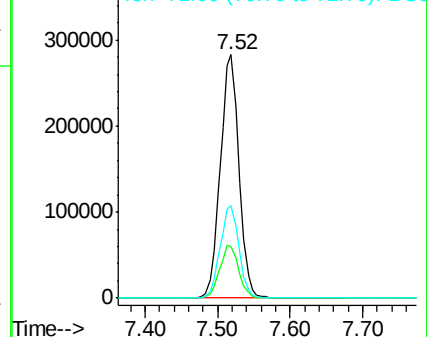
71 38.1 37.6 56.4

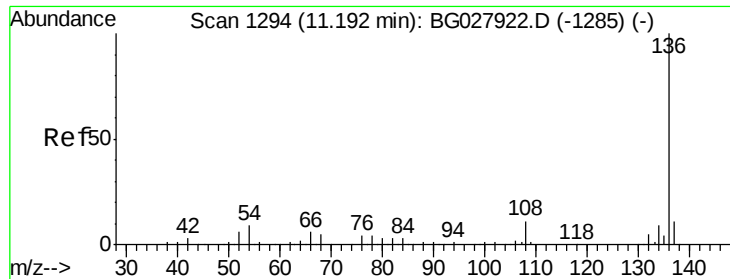


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

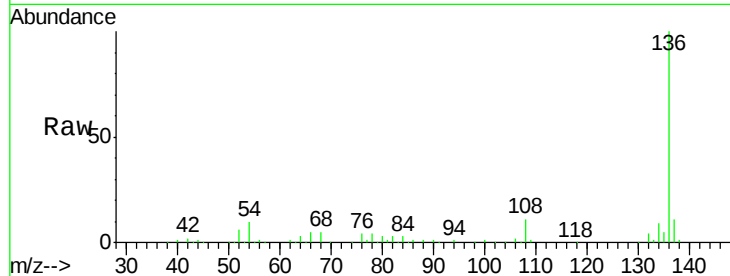




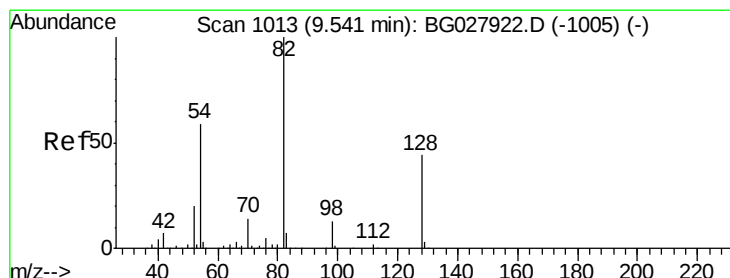
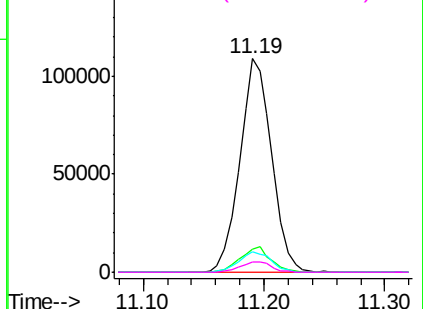
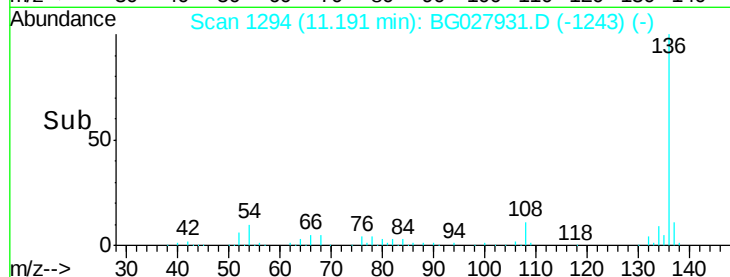
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.19 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG027931.D
Acq: 14 Jul 2017 19:00

Instrument :
BNA_G
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LOD-SOIL-01-QT3-2017

Tgt Ion:	136	Resp:	198489
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	9.7	9.3	13.9
68	4.8	5.1	7.7#

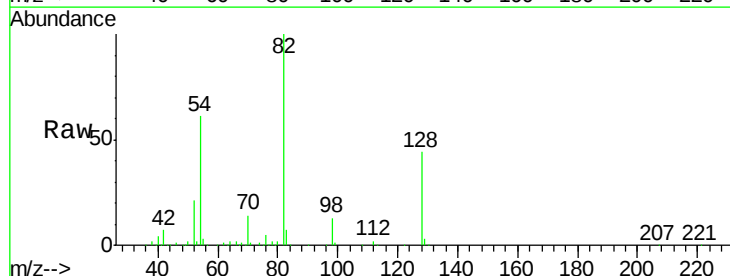


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

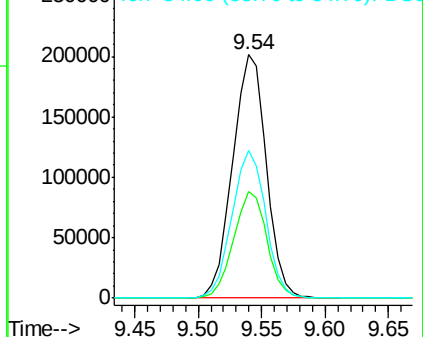
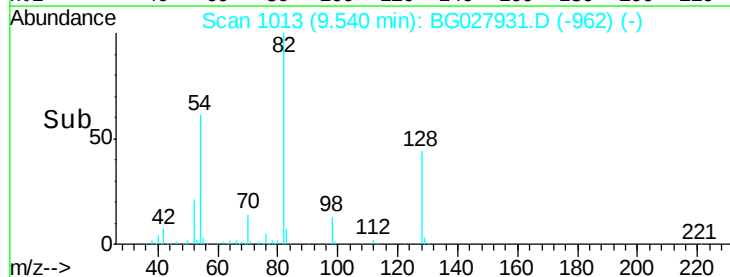


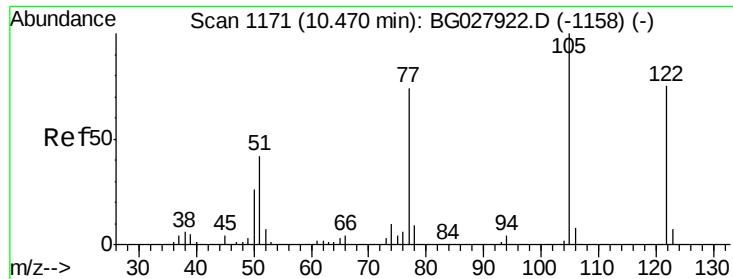
#23
Nitrobenzene-d5
Concen: 104.614 ng
RT: 9.54 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BG027931.D
Acq: 14 Jul 2017 19:00

Tgt Ion:	82	Resp:	371629
Ion Ratio	Lower	Upper	
82	100		
128	43.7	26.4	39.6#
54	60.6	49.4	74.2



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





#32

Benzoic acid

Concen: 8.677 ng m

RT: 10.46 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BG027931.D

Acq: 14 Jul 2017 19:00

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

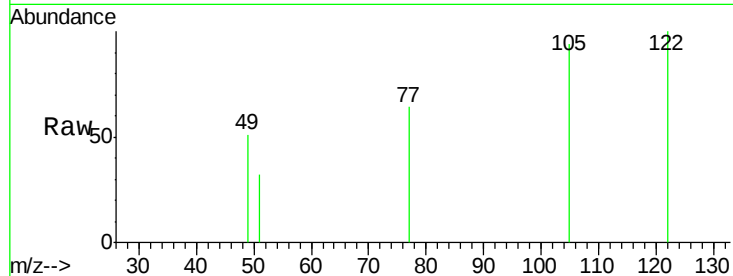
Tgt Ion:122 Resp: 2282

Ion Ratio Lower Upper

122 100

105 94.1 120.1 160.1#

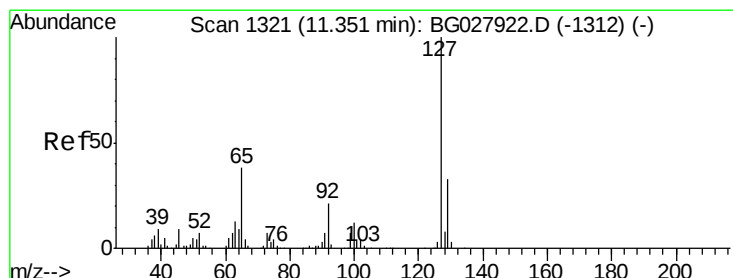
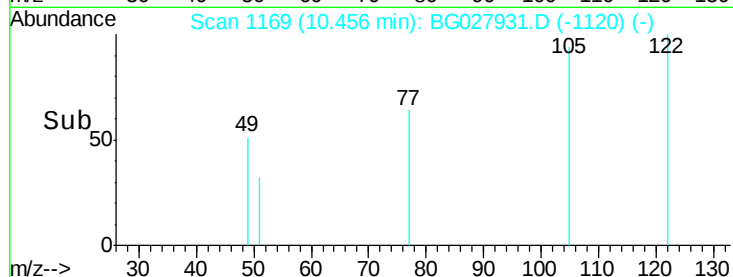
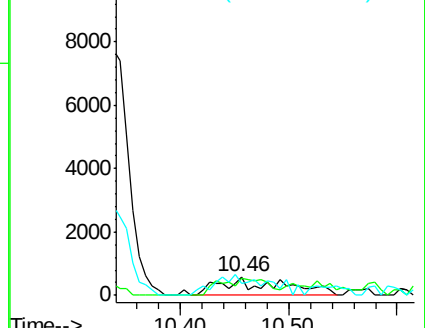
77 64.4 104.6 144.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 4.792 ng

RT: 11.36 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BG027931.D

Acq: 14 Jul 2017 19:00

Tgt Ion:127 Resp: 19380

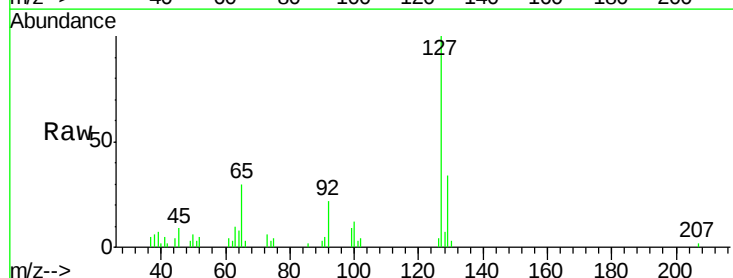
Ion Ratio Lower Upper

127 100

129 34.4 23.6 35.4

65 30.3 37.7 56.5#

92 22.1 17.6 26.4

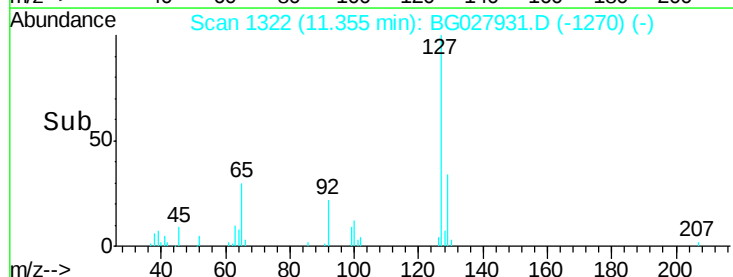
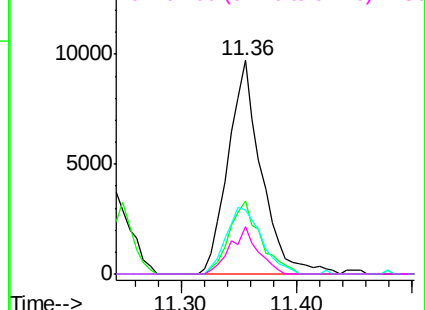


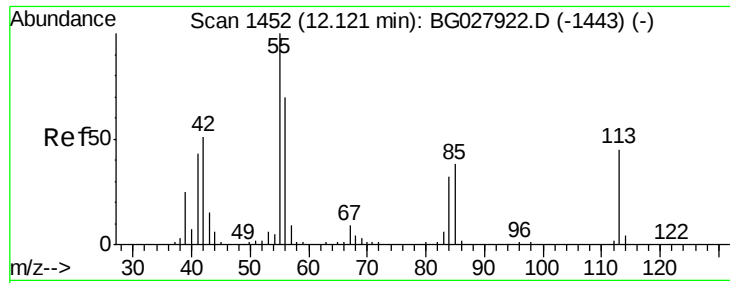
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

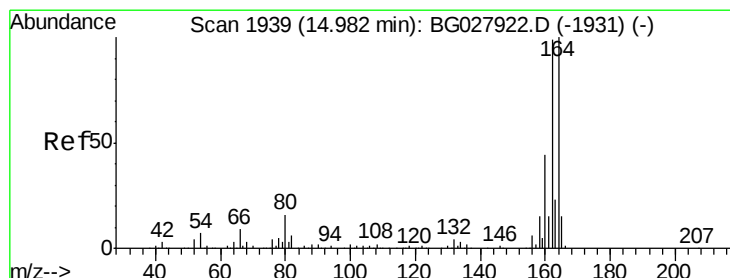
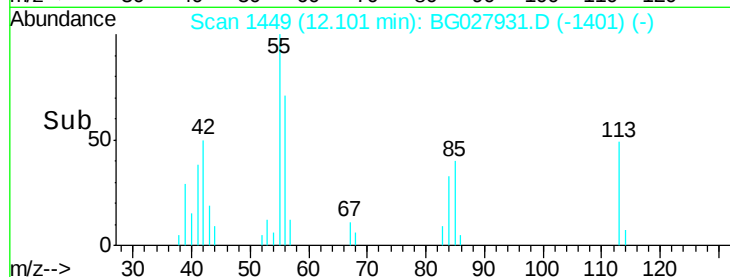
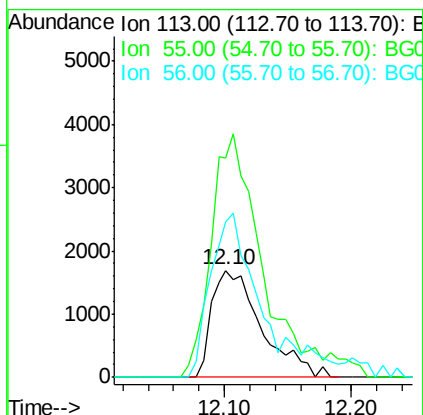
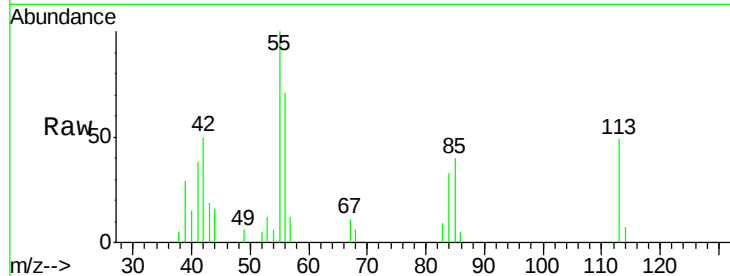




#35
 Caprolactam
 Concen: 4.419 ng
 RT: 12.10 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BG027931.D
 Acq: 14 Jul 2017 19:00

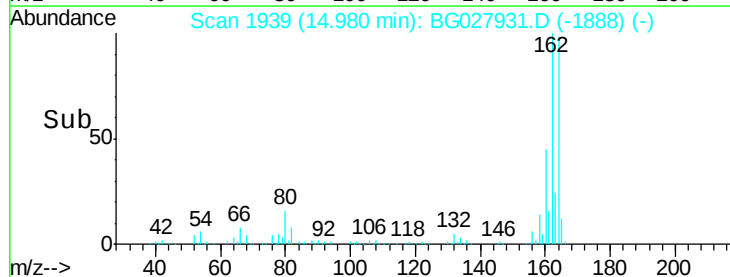
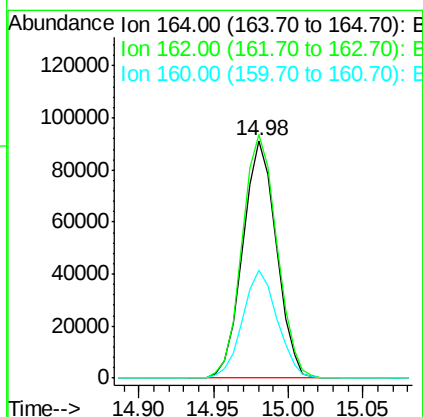
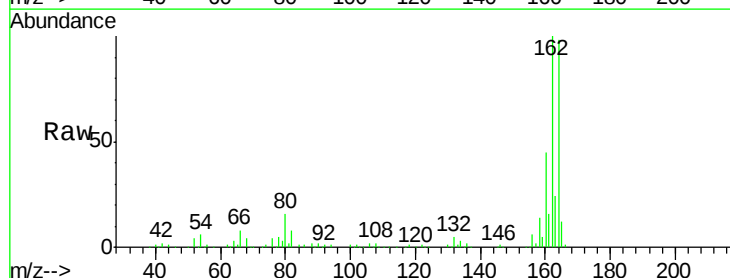
Instrument :
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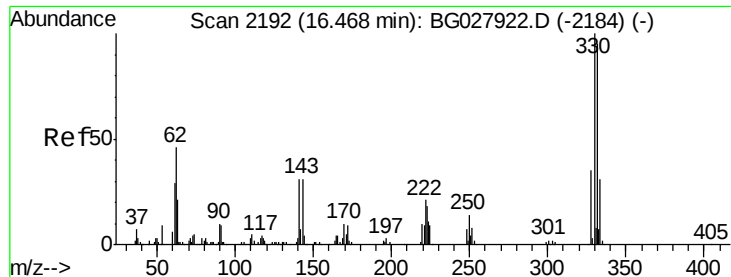
Tgt Ion:113 Resp: 4604
 Ion Ratio Lower Upper
 113 100
 55 205.8 198.6 238.6
 56 145.6 140.4 180.4



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.98 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BG027931.D
 Acq: 14 Jul 2017 19:00

Tgt Ion:164 Resp: 142004
 Ion Ratio Lower Upper
 164 100
 162 102.5 85.1 127.7
 160 45.6 34.7 52.1

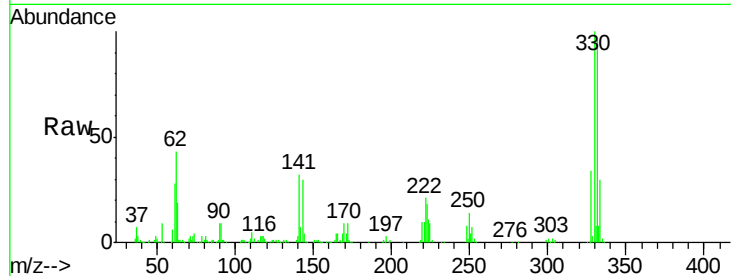




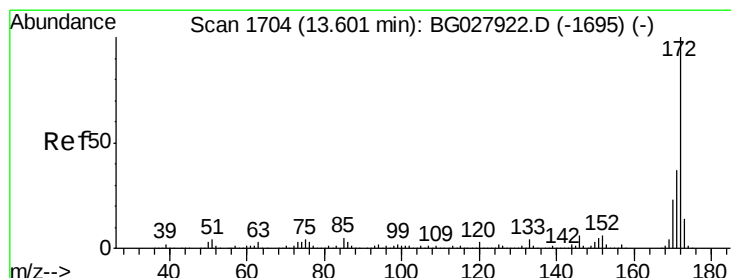
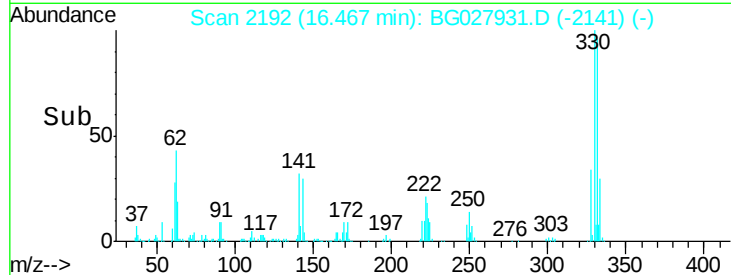
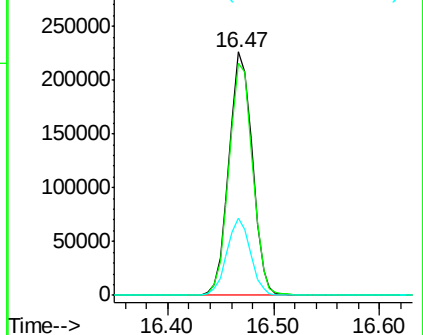
#41
 2,4,6-Tribromophenol
 Concen: 164.383 ng
 RT: 16.47 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: BG027931.D
 Acq: 14 Jul 2017 19:00

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

Tgt Ion:330 Resp: 345937
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 32.1 32.1 48.1#

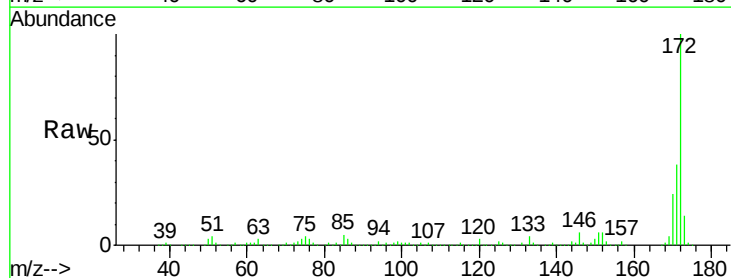


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

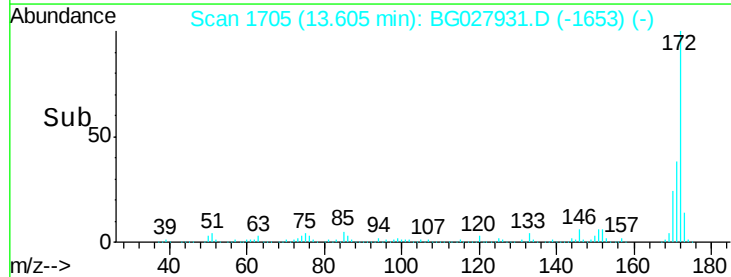
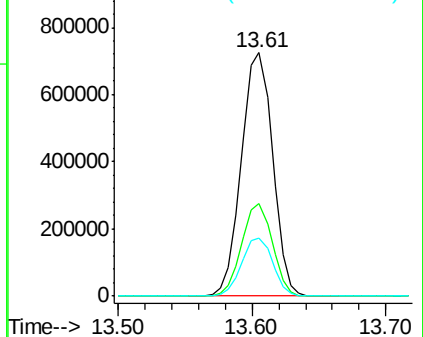


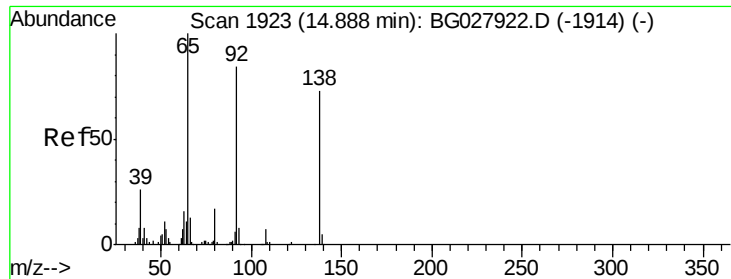
#44
 2-Fluorobiphenyl
 Concen: 108.928 ng
 RT: 13.61 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: BG027931.D
 Acq: 14 Jul 2017 19:00

Tgt Ion:172 Resp: 1172896
 Ion Ratio Lower Upper
 172 100
 171 37.9 32.2 48.2
 170 24.1 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

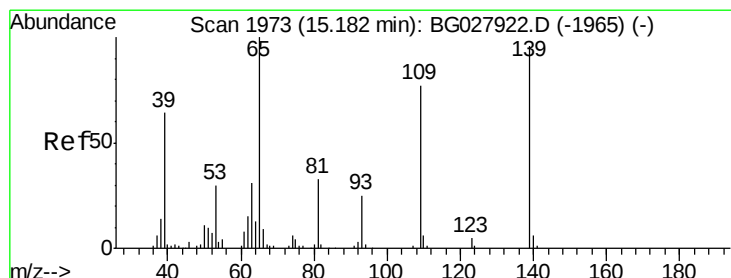
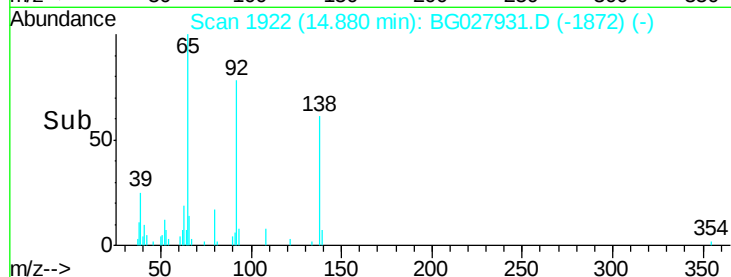
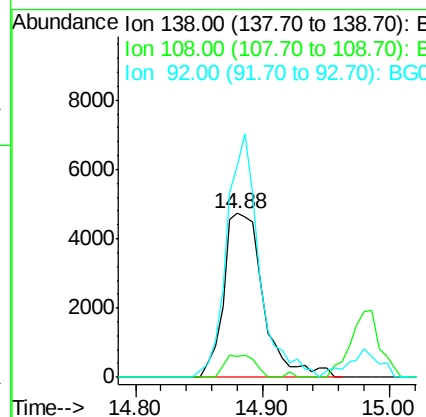
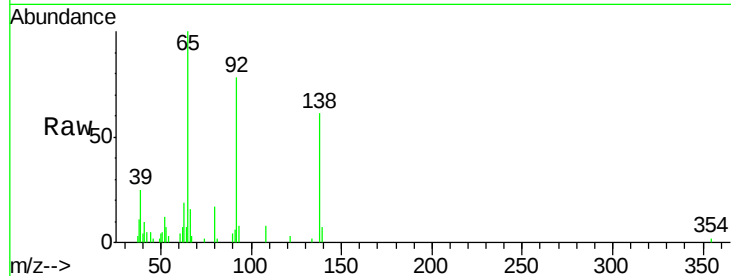




#52
3-Nitroaniline
Concen: 4.260 ng
RT: 14.88 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BG027931.D
Acq: 14 Jul 2017 19:00

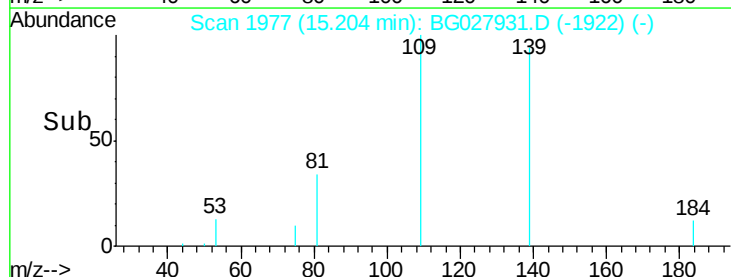
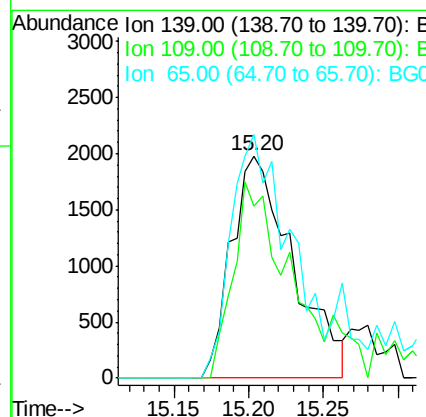
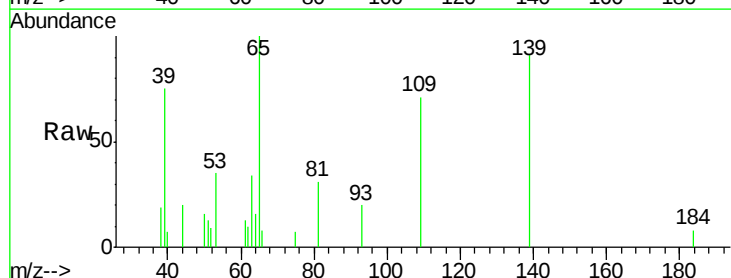
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT3-2017

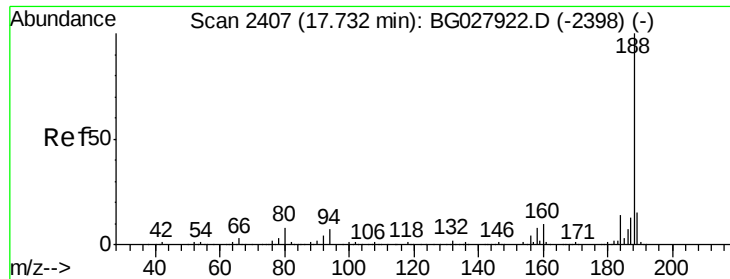
Tgt Ion:138 Resp: 10228
Ion Ratio Lower Upper
138 100
108 12.5 10.9 16.3
92 129.3 115.3 172.9



#55
4-Nitrophenol
Concen: 7.410 ng
RT: 15.20 min Scan# 1977
Delta R.T. 0.02 min
Lab File: BG027931.D
Acq: 14 Jul 2017 19:00

Tgt Ion:139 Resp: 5628
Ion Ratio Lower Upper
139 100
109 77.3 101.2 141.2#
65 109.6 135.3 175.3#

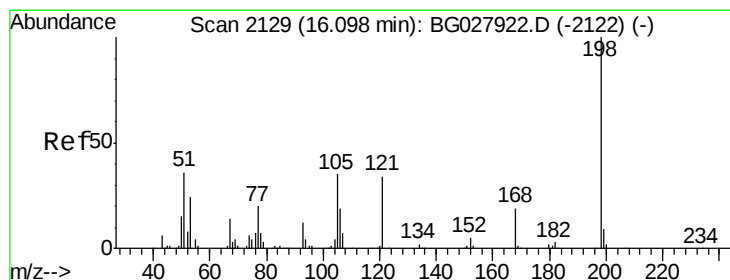
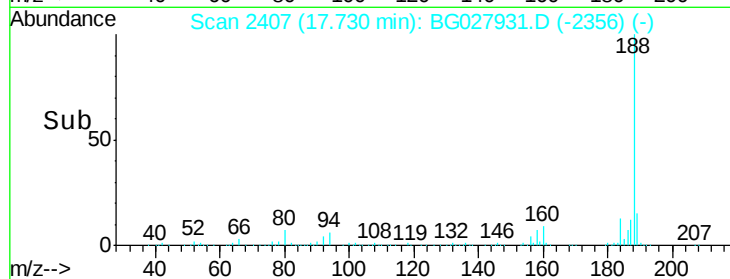
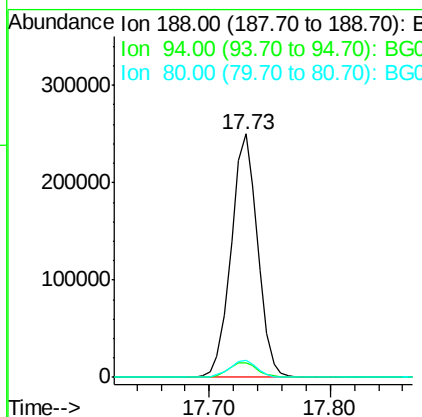
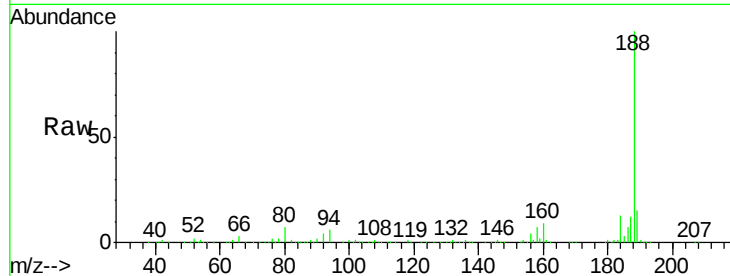




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.73 min Scan# 2407
 Delta R.T. -0.00 min
 Lab File: BG027931.D
 Acq: 14 Jul 2017 19:00

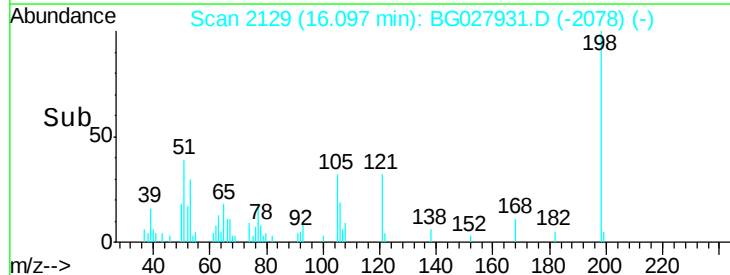
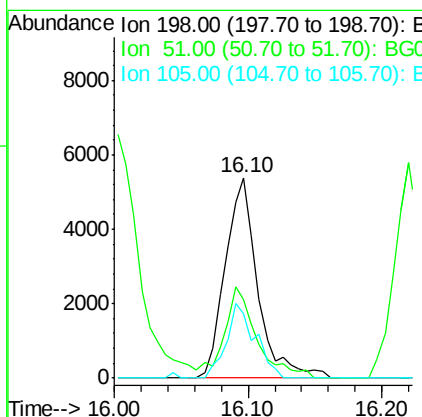
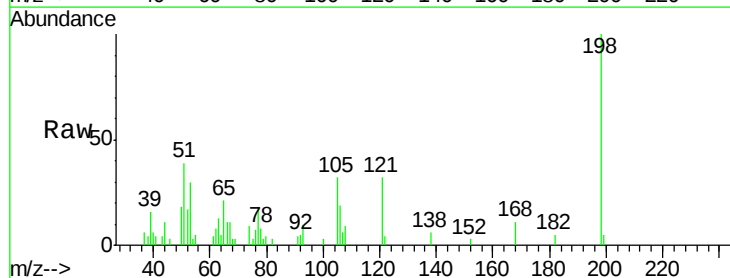
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

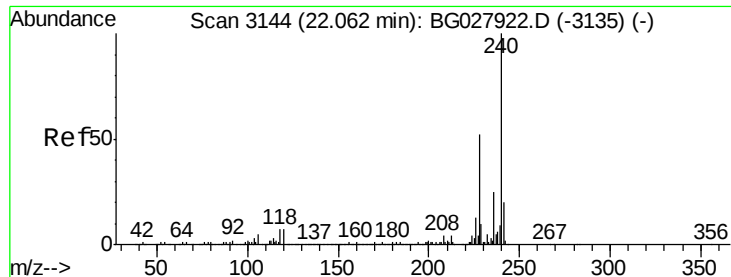
Tgt Ion:188 Resp: 381711
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.8 8.8
 80 7.2 7.5 11.3#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.602 ng
 RT: 16.10 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: BG027931.D
 Acq: 14 Jul 2017 19:00

Tgt Ion:198 Resp: 9164
 Ion Ratio Lower Upper
 198 100
 51 39.0 22.6 62.6
 105 32.4 14.4 54.4

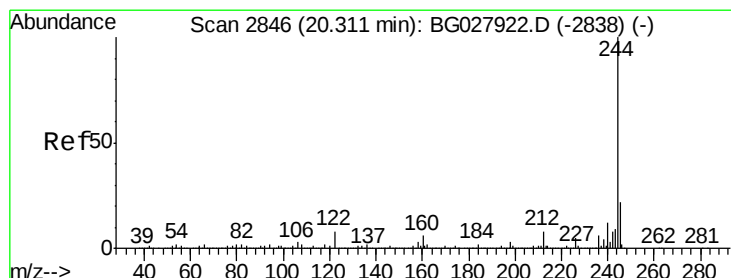
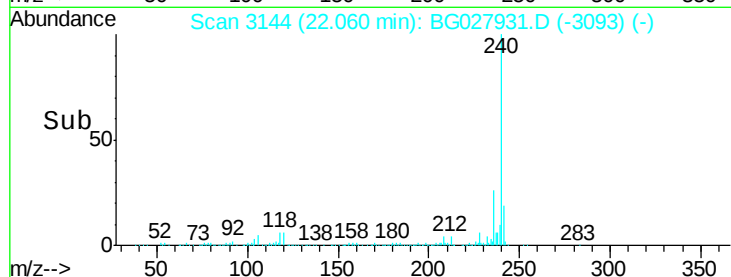
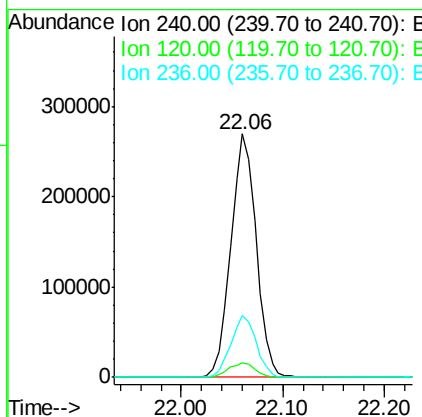
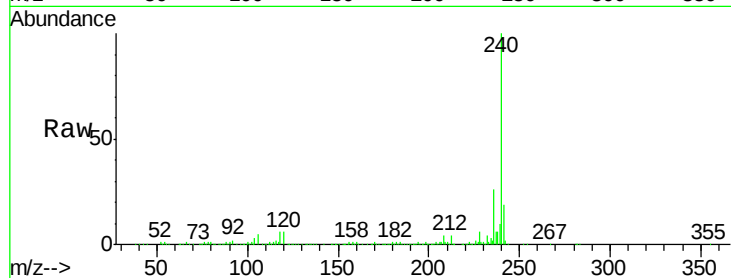




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.06 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG027931.D
Acq: 14 Jul 2017 19:00

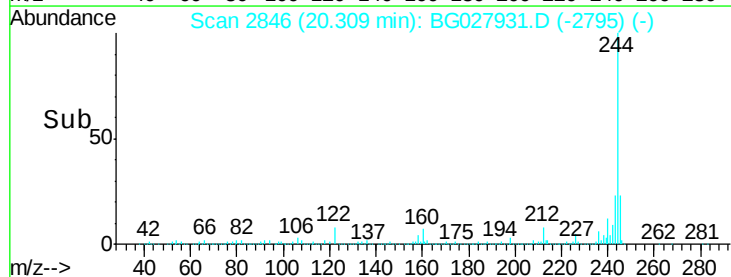
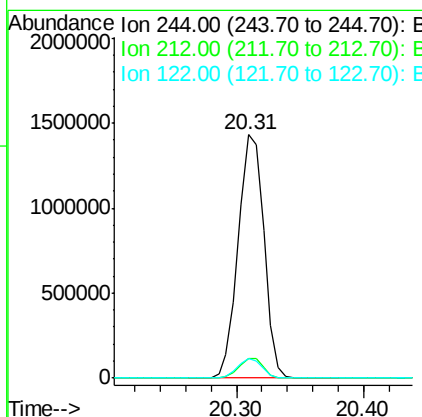
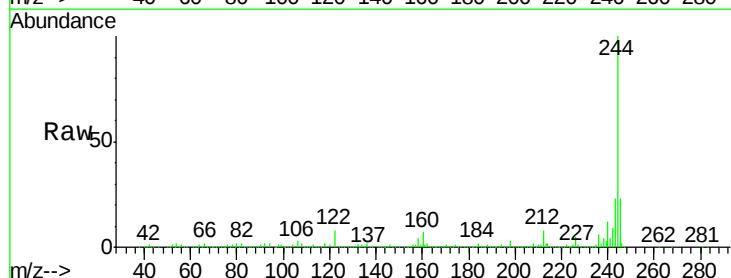
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT3-2017

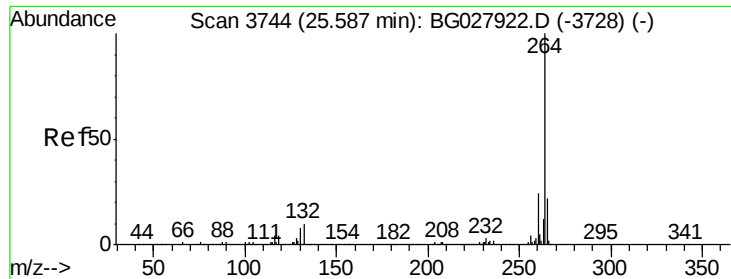
Tgt Ion:240 Resp: 467998
Ion Ratio Lower Upper
240 100
120 6.2 5.7 8.5
236 25.6 22.2 33.4



#78
Terphenyl-d14
Concen: 97.175 ng
RT: 20.31 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BG027931.D
Acq: 14 Jul 2017 19:00

Tgt Ion:244 Resp: 2011362
Ion Ratio Lower Upper
244 100
212 8.1 10.0 15.0#
122 8.1 8.6 12.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.58 min Scan# 3743
Delta R.T. -0.01 min
Lab File: BG027931.D
Acq: 14 Jul 2017 19:00

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT3-2017

Tgt Ion:	264	Resp:	430704
Ion	Ratio	Lower	Upper
264	100		
260	23.1	21.8	32.8
265	22.2	18.2	27.4

