

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071417\
 Data File : BG027930.D
 Acq On : 14 Jul 2017 18:20
 Operator : SJ/JU
 Sample : I3757-01
 Misc : 2PPM LOD
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jul 17 07:56:22 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	47896	20.00	ng	0.00
21) Naphthalene-d8	11.19	136	205730	20.00	ng	0.00
38) Acenaphthene-d10	14.98	164	145863	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	378809	20.00	ng	0.00
75) Chrysene-d12	22.06	240	454433	20.00	ng	0.00
86) Perylene-d12	25.58	264	418384	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.94	112	380633	142.15	ng	0.00
7) Phenol-d6	7.52	99	512435	132.83	ng	0.00
23) Nitrobenzene-d5	9.54	82	379935	103.19	ng	0.00
41) 2,4,6-Tribromophenol	16.47	330	349067	161.48	ng	0.00
44) 2-Fluorobiphenyl	13.60	172	1197920	108.31	ng	0.00
78) Terphenyl-d14	20.31	244	1972489	98.14	ng	0.00

Target Compounds

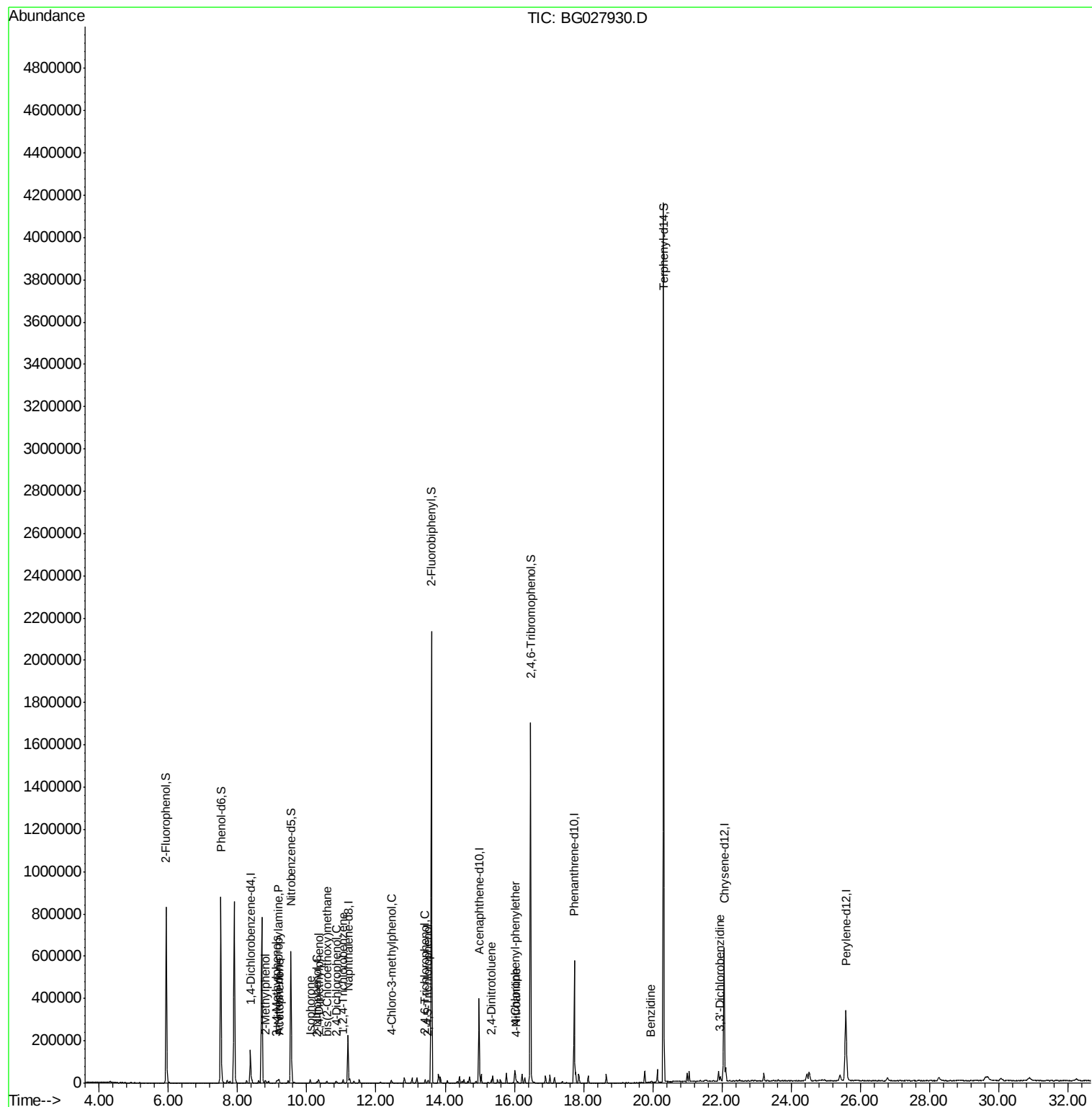
						Qvalue
17) 2-Methylphenol	8.79	107	4465	1.678	ng	91
19) n-Nitroso-di-n-propylamine	9.16	70	4252	1.579	ng	# 92
20) 3+4-Methylphenols	9.13	107	6436	1.722	ng	89
22) Acetophenone	9.20	105	8512	1.716	ng	# 88
25) Isophorone	10.10	82	11973	1.702	ng	100
26) 2-Nitrophenol	10.30	139	3056	1.645	ng	# 74
27) 2,4-Dimethylphenol	10.35	122	5604	1.719	ng	# 71
28) bis(2-Chloroethoxy)methane	10.58	93	7440	1.810	ng	# 93
29) 2,4-Dichlorophenol	10.84	162	5706	1.617	ng	72
30) 1,2,4-Trichlorobenzene	11.04	180	7696	1.945	ng	# 80
36) 4-Chloro-3-methylphenol	12.45	107	6067	1.593	ng	# 79
42) 2,4,6-Trichlorophenol	13.42	196	5508	1.575	ng	# 93
43) 2,4,5-Trichlorophenol	13.50	196	6278	1.705	ng	# 84
56) 2,4-Dinitrotoluene	15.34	165	5168	1.437	ng	# 67
60) 4-Chlorophenyl-phenylether	16.01	204	12704	1.852	ng	89
61) 4-Nitroaniline	16.06	138	3281	1.245	ng	# 49
76) Benzidine	19.96	184	7464	0.704	ng	# 90
81) 3,3'-Dichlorobenzidine	21.95	252	13603	1.385	ng	97

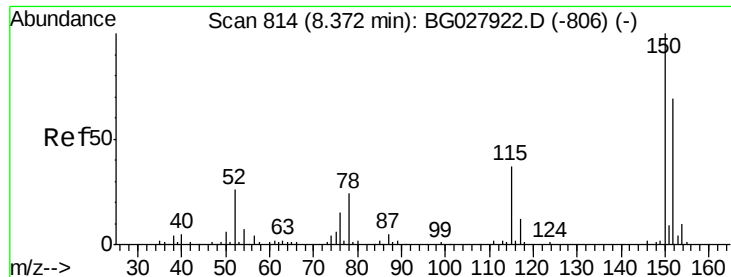
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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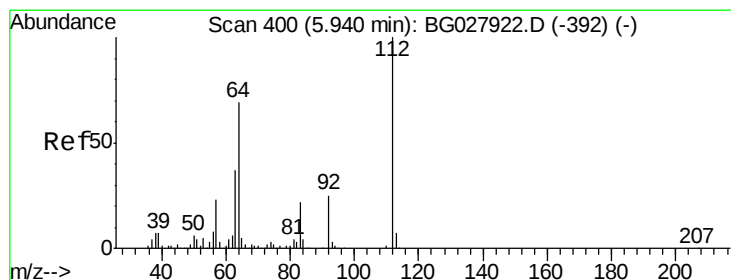
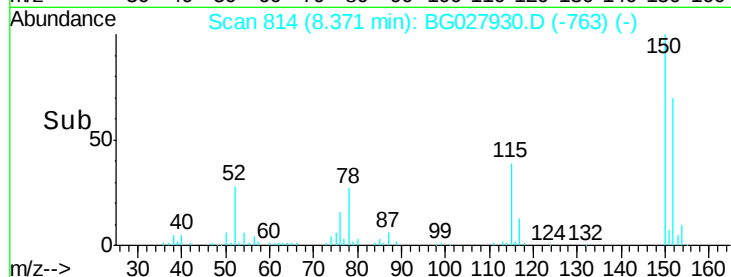
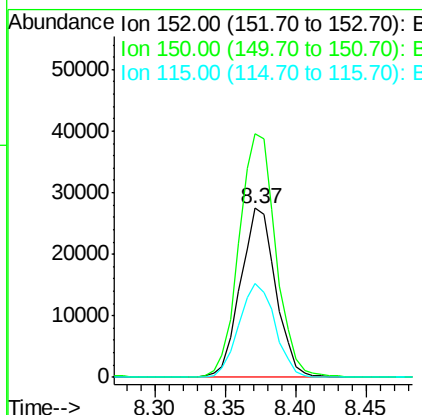
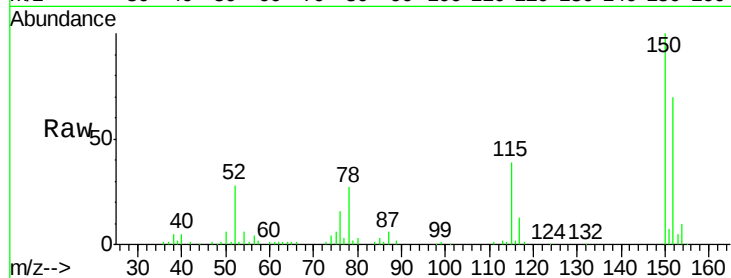


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.37 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

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

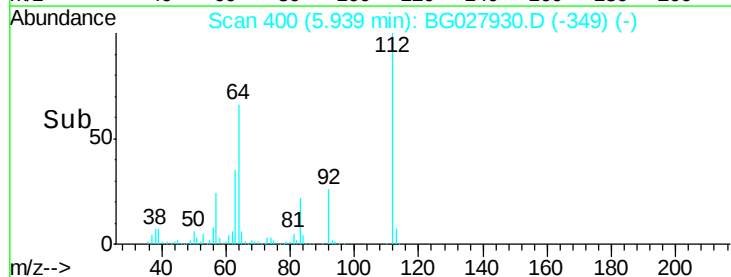
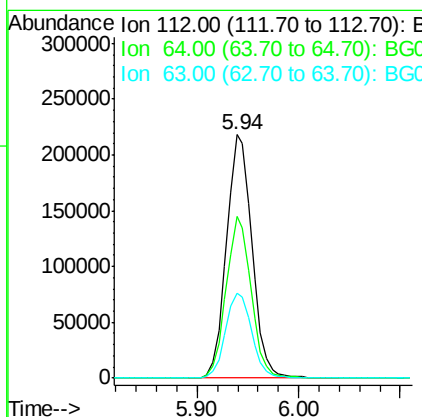
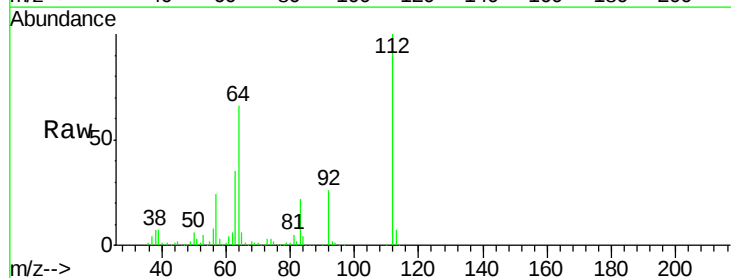
Tgt Ion:152 Resp: 47896
Ion Ratio Lower Upper
152 100
150 143.8 114.0 171.0
115 55.5 48.1 72.1

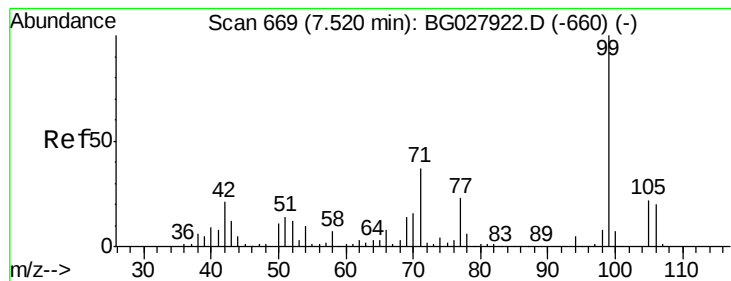


#5

2-Fluorophenol
Concen: 142.149 ng
RT: 5.94 min Scan# 400
Delta R.T. -0.00 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

Tgt Ion:112 Resp: 380633
Ion Ratio Lower Upper
112 100
64 66.3 61.8 92.6
63 34.8 37.2 55.8#





#7

Phenol-d6

Concen: 132.828 ng

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

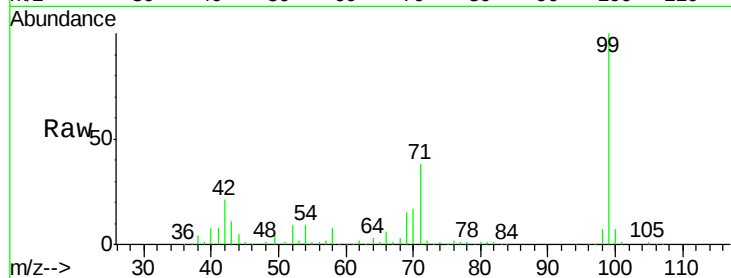
Tgt Ion: 99 Resp: 512435

Ion Ratio Lower Upper

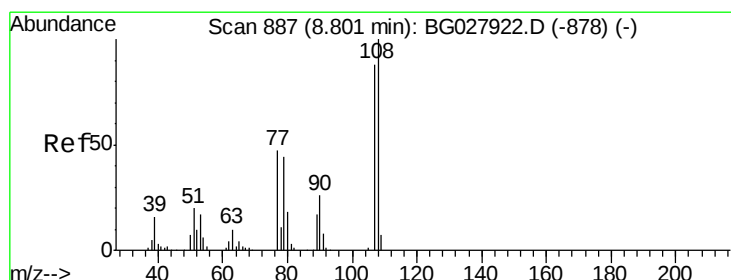
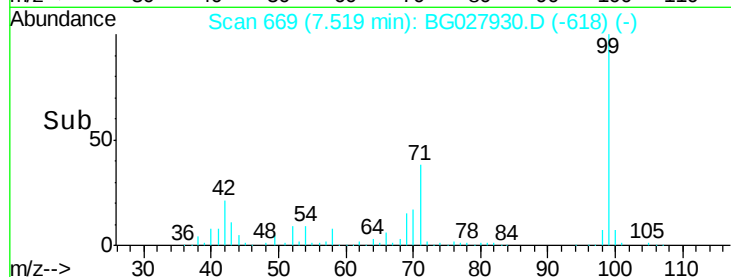
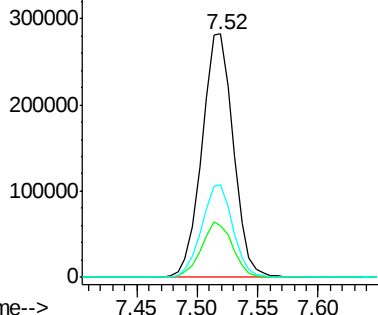
99 100

42 21.2 20.5 30.7

71 38.2 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



#17

2-Methylphenol

Concen: 1.678 ng

RT: 8.79 min Scan# 886

Delta R.T. -0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Tgt Ion: 107 Resp: 4465

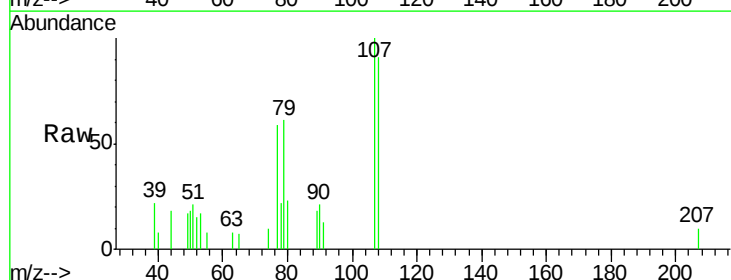
Ion Ratio Lower Upper

107 100

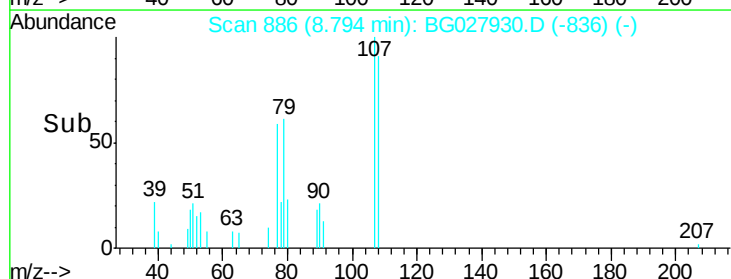
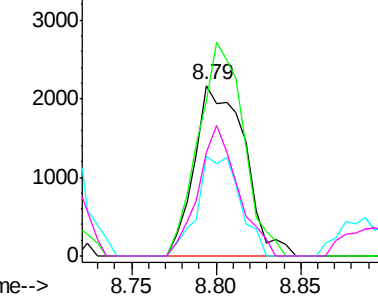
108 91.1 85.6 128.4

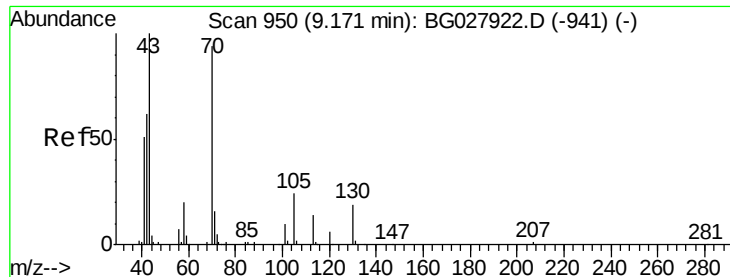
77 58.7 51.4 77.2

79 60.6 49.2 73.8



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

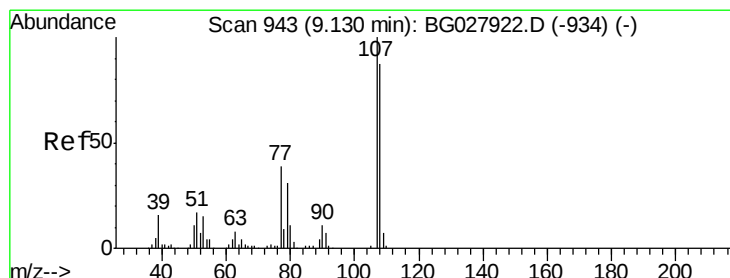
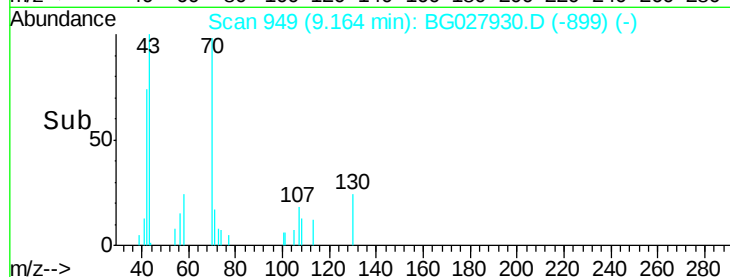
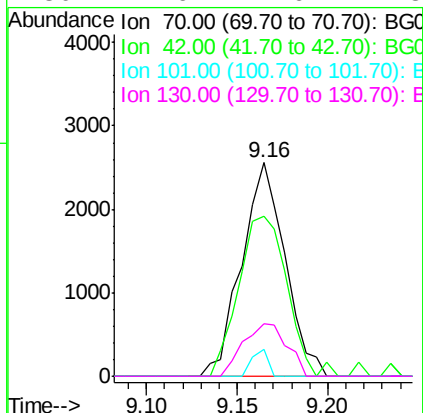
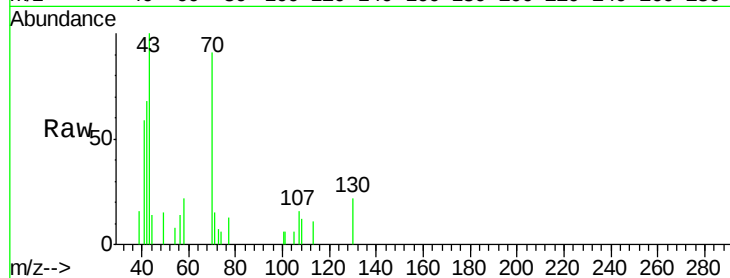




#19
n-Nitroso-di-n-propylamine
Concen: 1.579 ng
RT: 9.16 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

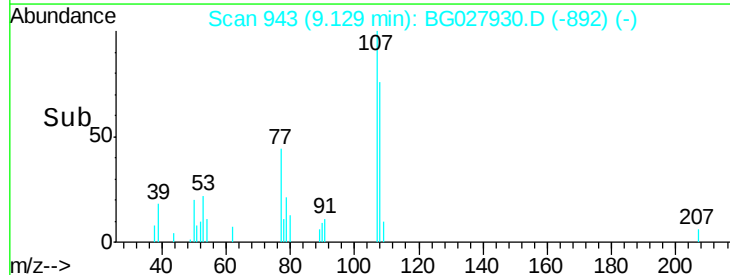
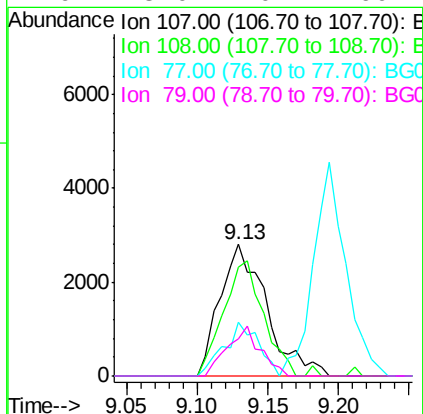
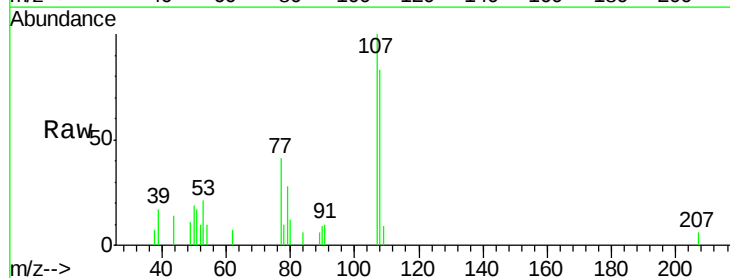
Instrument :
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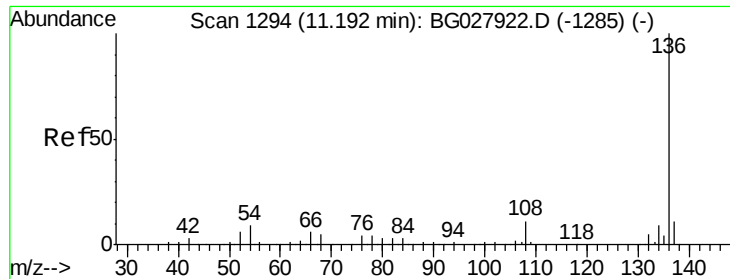
Tgt Ion:	70	Resp:	4252
Ion	Ratio	Lower	Upper
70	100		
42	75.2	56.1	84.1
101	12.8	7.5	11.3#
130	24.6	14.6	21.8#



#20
3+4-Methylphenols
Concen: 1.722 ng
RT: 9.13 min Scan# 943
Delta R.T. -0.00 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

Tgt Ion:	107	Resp:	6436
Ion	Ratio	Lower	Upper
107	100		
108	82.7	70.8	110.8
77	41.2	25.8	65.8
79	28.0	20.1	60.1

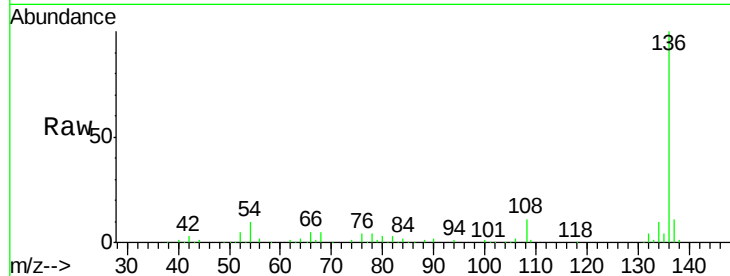




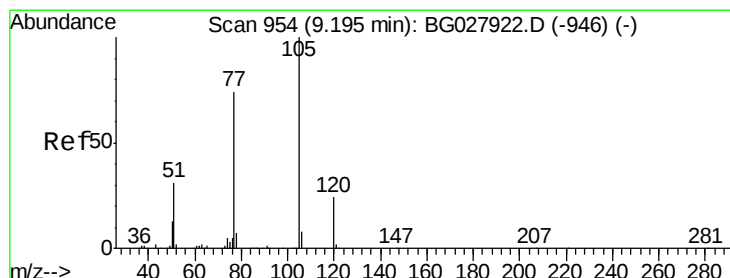
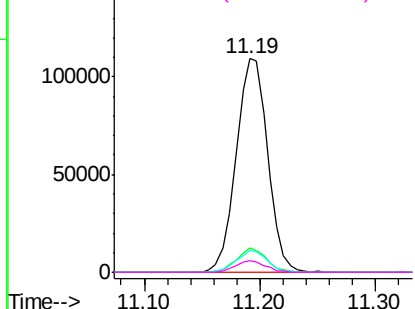
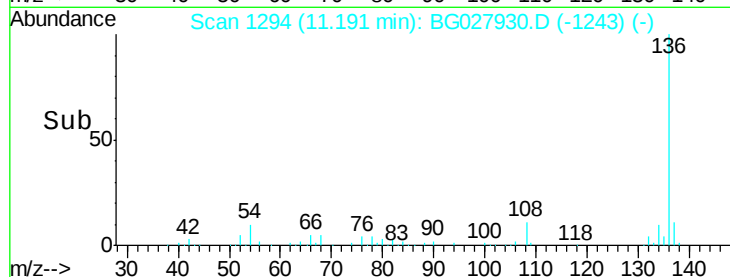
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.19 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

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

Tgt Ion:	136	Resp:	205730
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.1	9.3	13.9
68	5.1	5.1	7.7

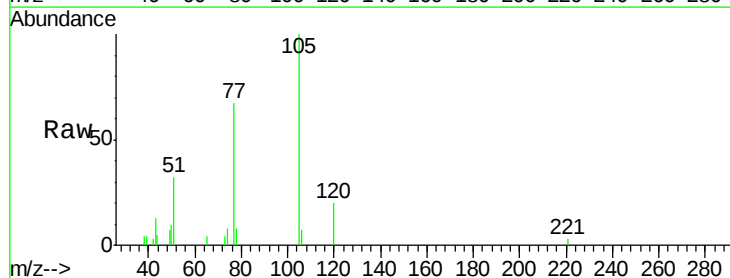


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

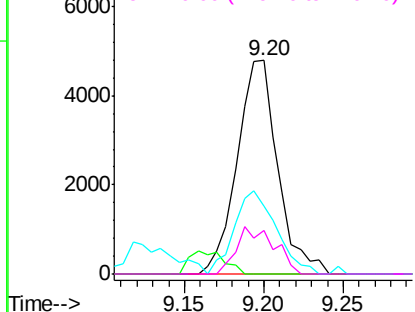
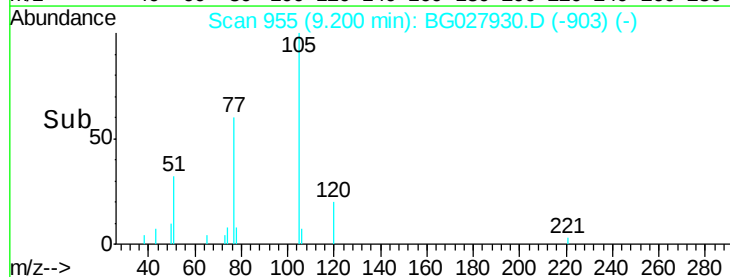


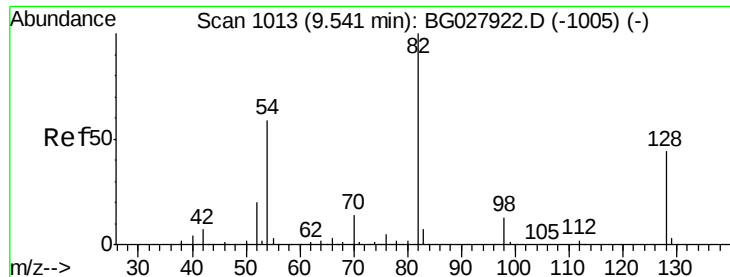
#22
Acetophenone
Concen: 1.716 ng
RT: 9.20 min Scan# 955
Delta R.T. 0.01 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

Tgt Ion:	105	Resp:	8512
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	31.6	34.0	51.0#
120	20.4	17.3	25.9



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

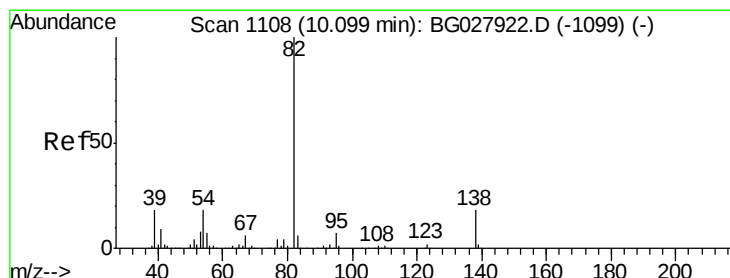
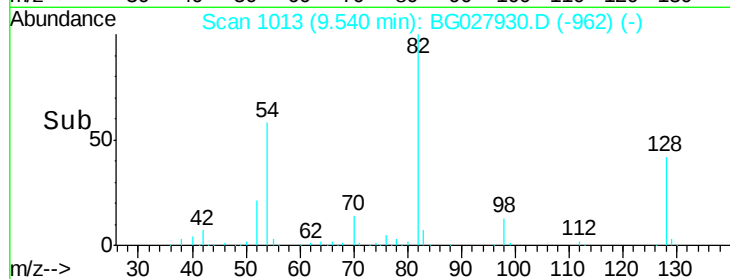
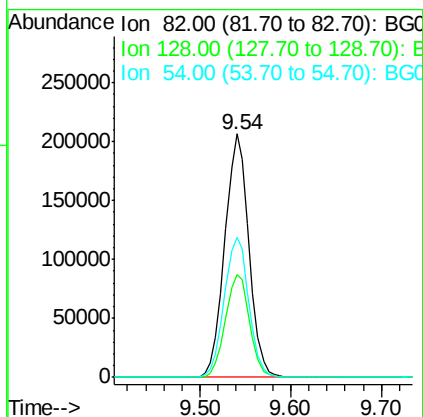
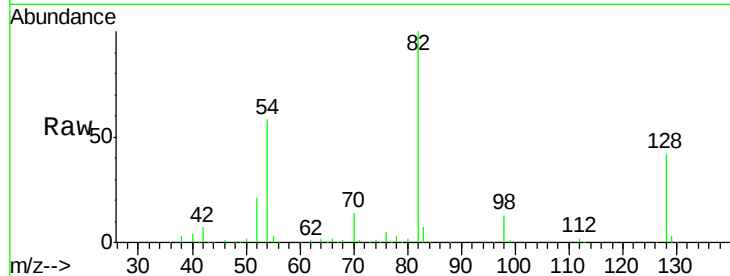




#23
 Nitrobenzene-d5
 Concen: 103.188 ng
 RT: 9.54 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

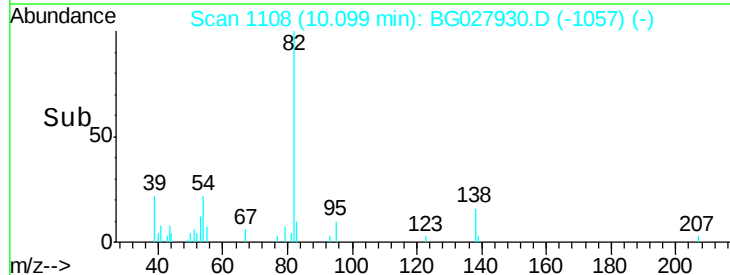
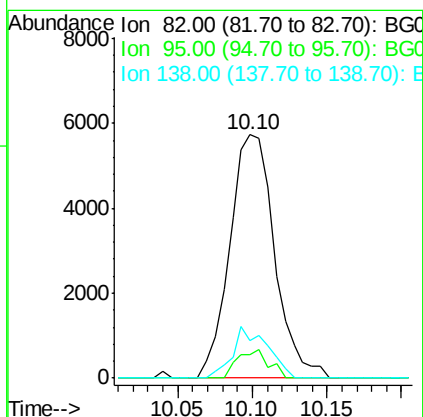
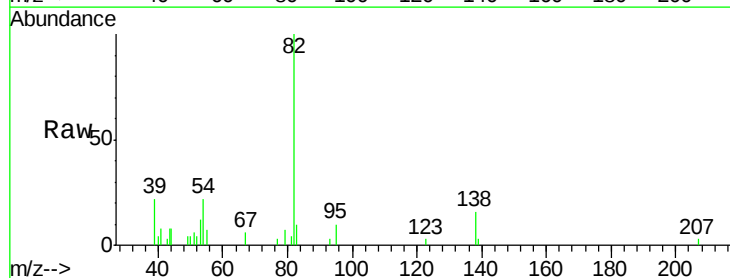
Instrument :
 BNA_G
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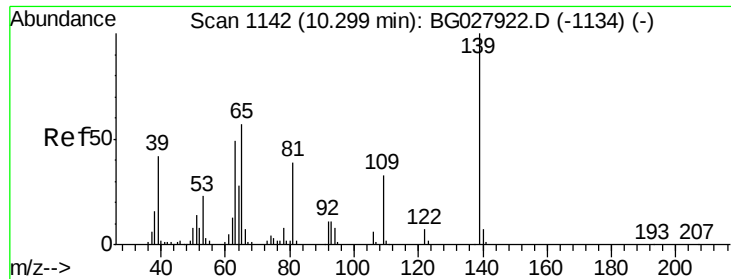
Tgt Ion: 82 Resp: 379935
 Ion Ratio Lower Upper
 82 100
 128 42.4 26.4 39.6#
 54 57.7 49.4 74.2



#25
 Isophorone
 Concen: 1.702 ng
 RT: 10.10 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

Tgt Ion: 82 Resp: 11973
 Ion Ratio Lower Upper
 82 100
 95 9.6 7.5 11.3
 138 15.6 12.3 18.5

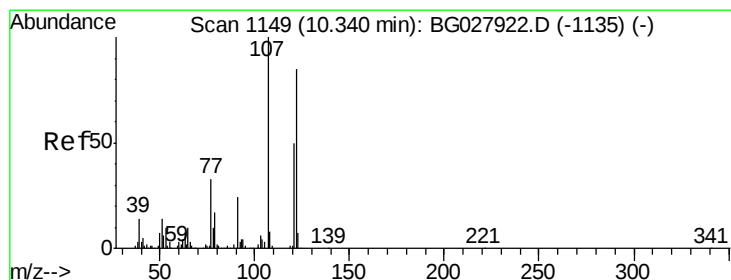
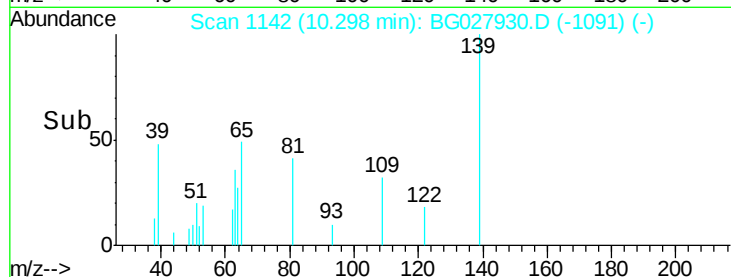
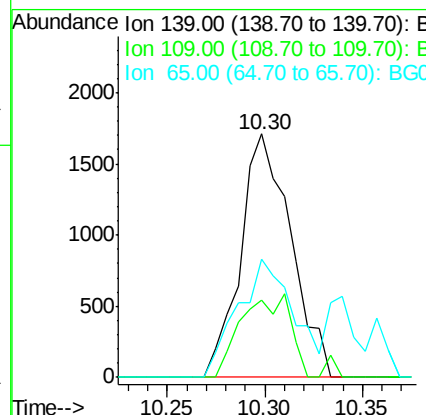
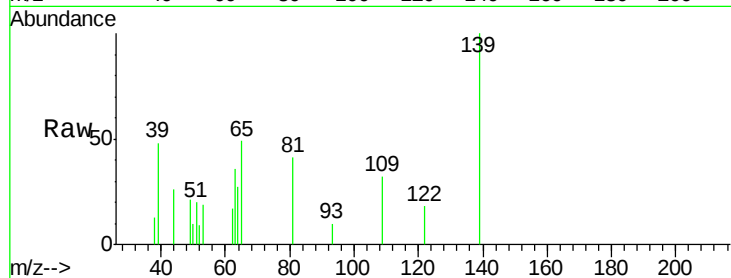




#26
2-Nitrophenol
Concen: 1.645 ng
RT: 10.30 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

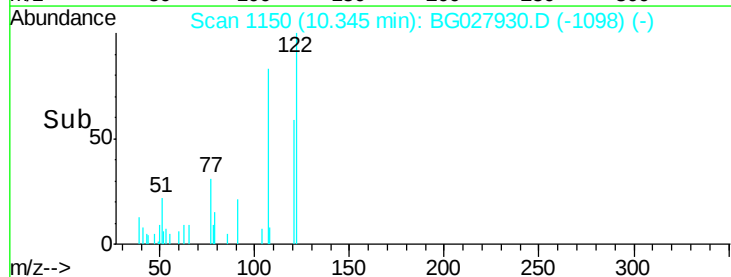
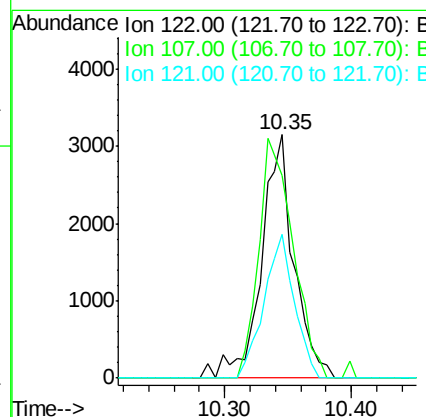
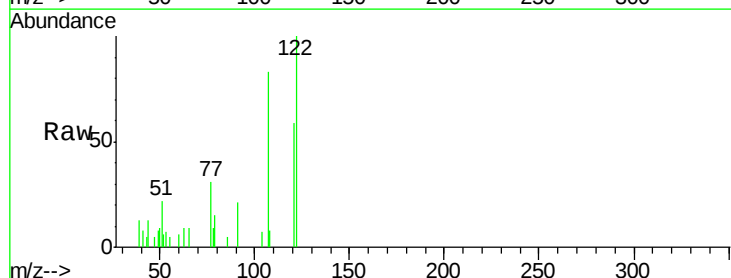
Instrument :
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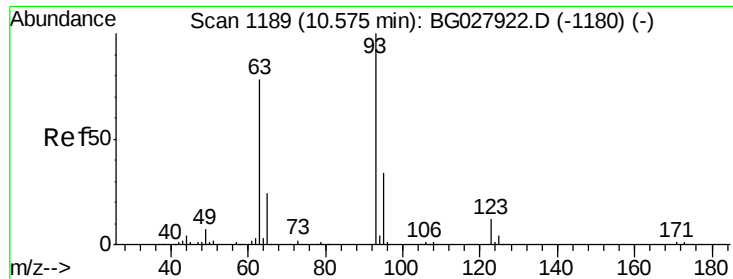
Tgt Ion:139 Resp: 3056
Ion Ratio Lower Upper
139 100
109 31.9 38.6 58.0#
65 48.8 57.1 85.7#



#27
2,4-Dimethylphenol
Concen: 1.719 ng
RT: 10.35 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

Tgt Ion:122 Resp: 5604
Ion Ratio Lower Upper
122 100
107 83.4 104.2 156.4#
121 59.1 46.0 69.0

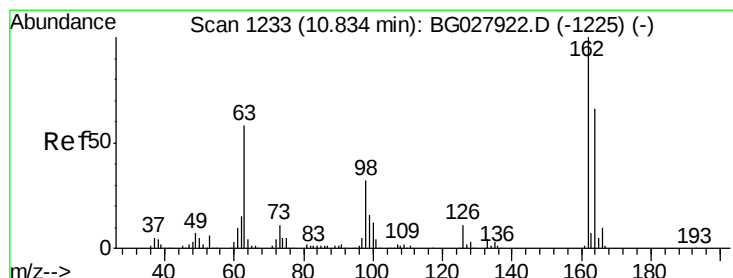
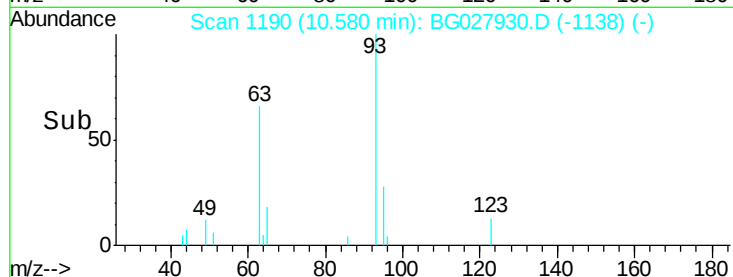
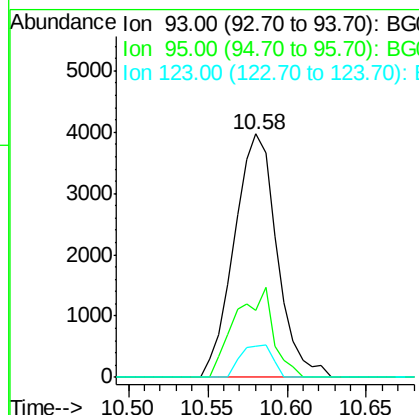
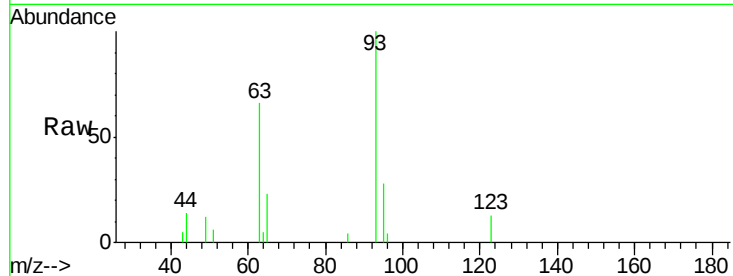




#28
bis(2-Chloroethoxy)methane
Concen: 1.810 ng
RT: 10.58 min Scan# 1190
Delta R.T. 0.01 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

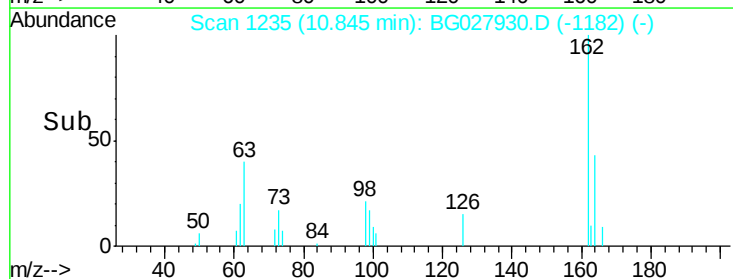
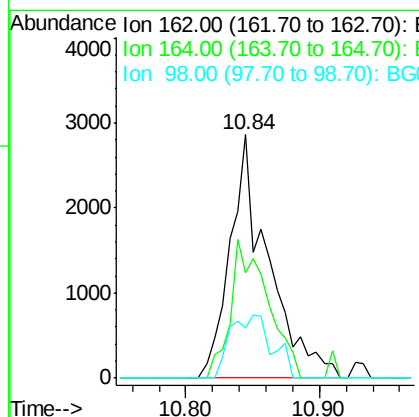
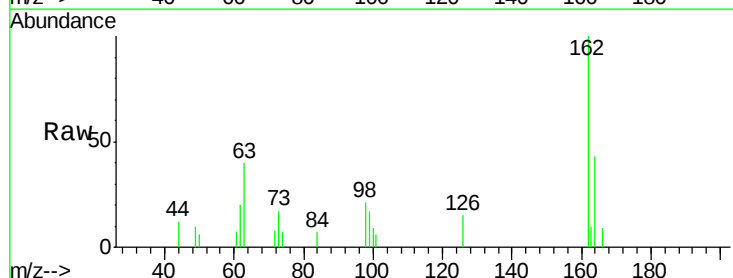
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT3-2017

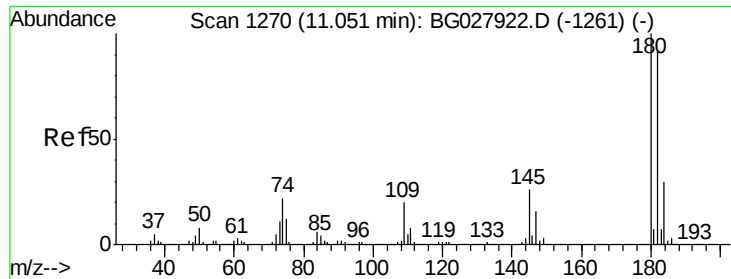
Tgt Ion: 93 Resp: 7440
Ion Ratio Lower Upper
93 100
95 27.6 25.7 38.5
123 12.6 8.3 12.5#



#29
2,4-Dichlorophenol
Concen: 1.617 ng
RT: 10.84 min Scan# 1235
Delta R.T. 0.01 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

Tgt Ion: 162 Resp: 5706
Ion Ratio Lower Upper
162 100
164 43.1 42.4 82.4
98 20.5 20.3 60.3

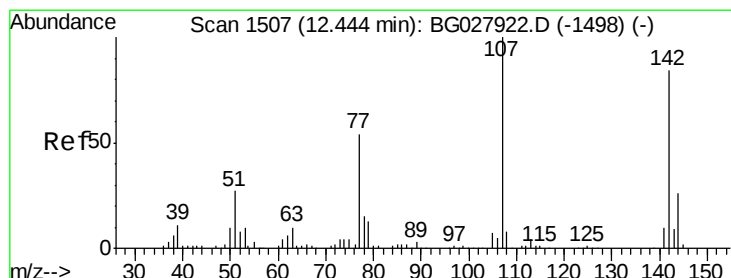
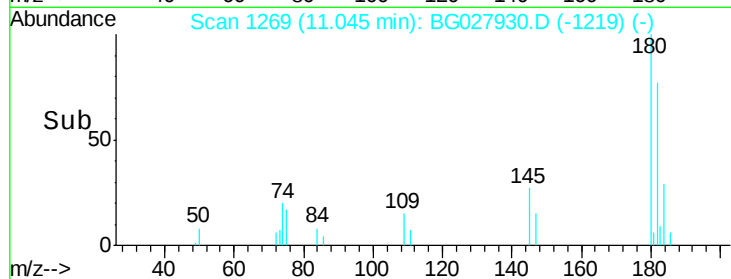
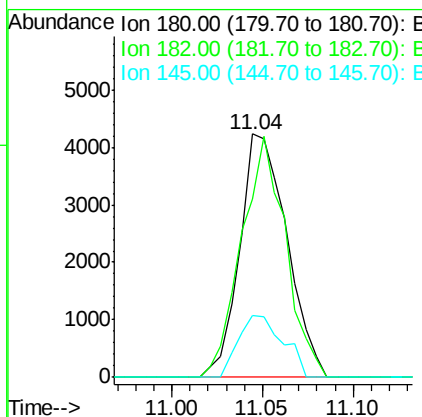
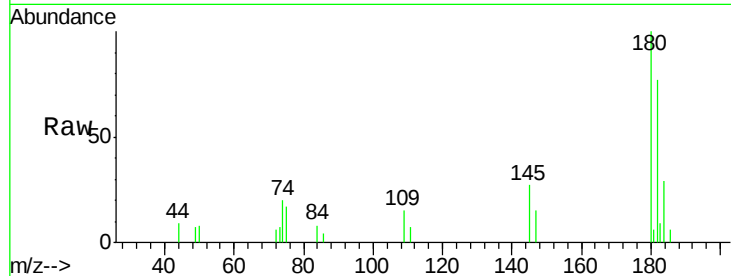




#30
 1,2,4-Trichlorobenzene
 Concen: 1.945 ng
 RT: 11.04 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

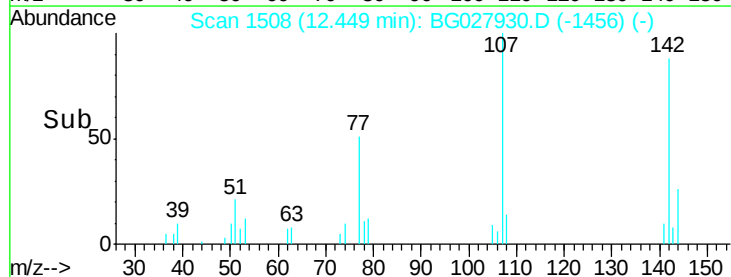
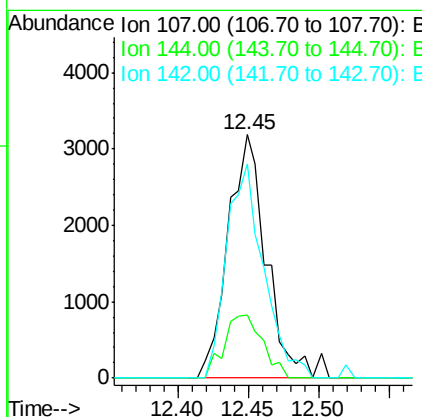
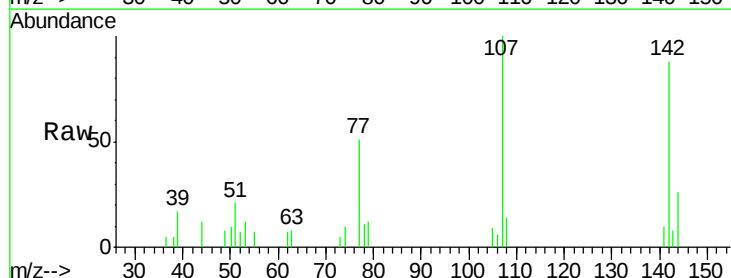
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

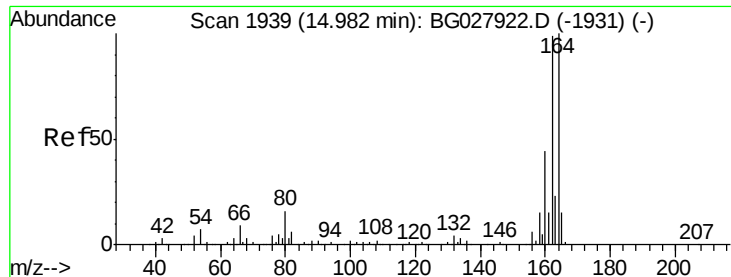
Tgt Ion:180 Resp: 7696
 Ion Ratio Lower Upper
 180 100
 182 73.0 77.0 115.4#
 145 25.1 23.4 35.0



#36
 4-Chloro-3-methylphenol
 Concen: 1.593 ng
 RT: 12.45 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

Tgt Ion:107 Resp: 6067
 Ion Ratio Lower Upper
 107 100
 144 26.1 17.4 26.0#
 142 88.0 54.1 81.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.98 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT3-2017

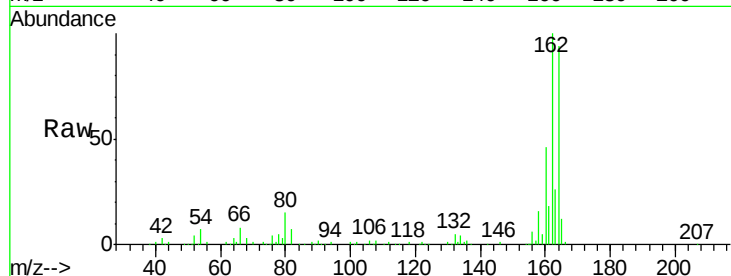
Tgt Ion:164 Resp: 145863

Ion Ratio Lower Upper

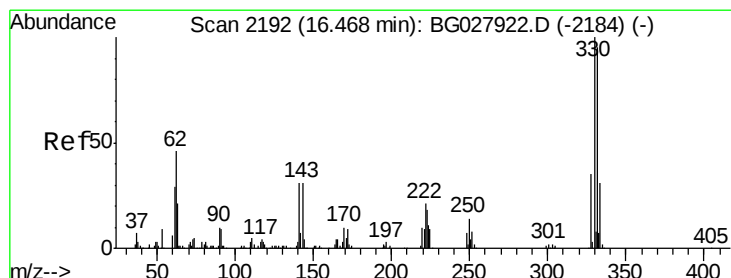
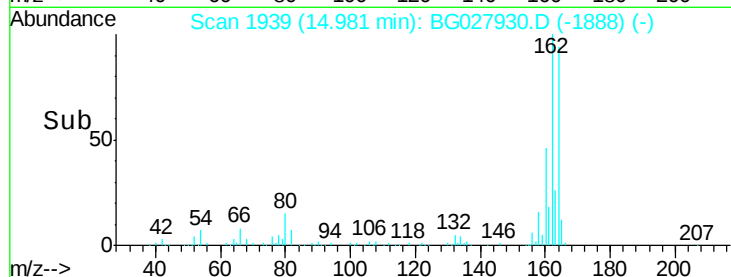
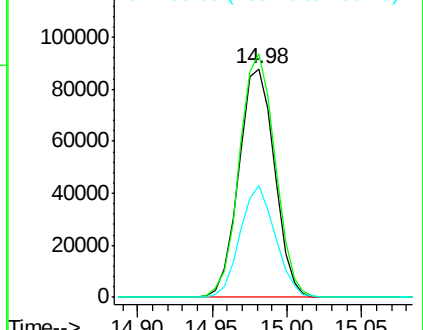
164 100

162 106.6 85.1 127.7

160 48.7 34.7 52.1



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: 161.482 ng

RT: 16.47 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

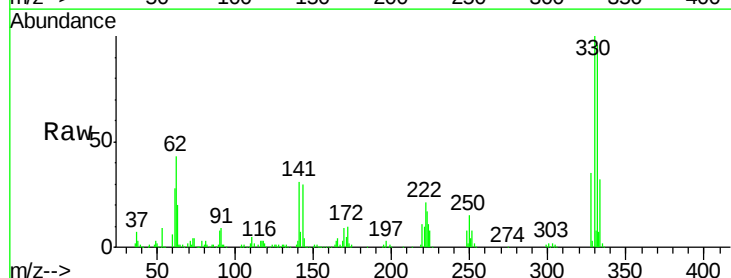
Tgt Ion:330 Resp: 349067

Ion Ratio Lower Upper

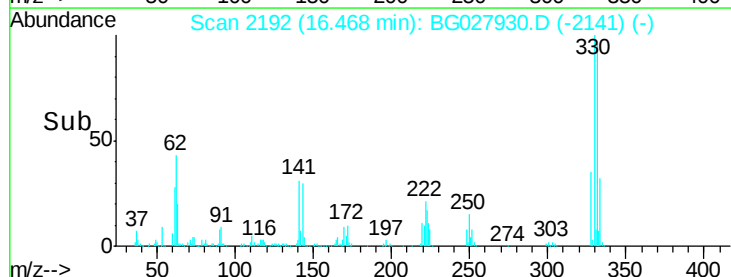
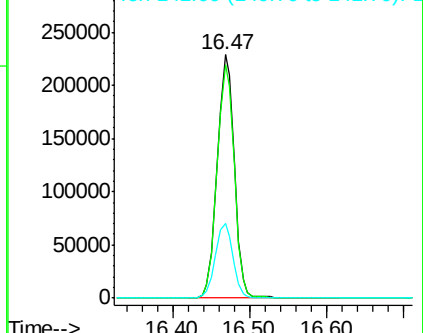
330 100

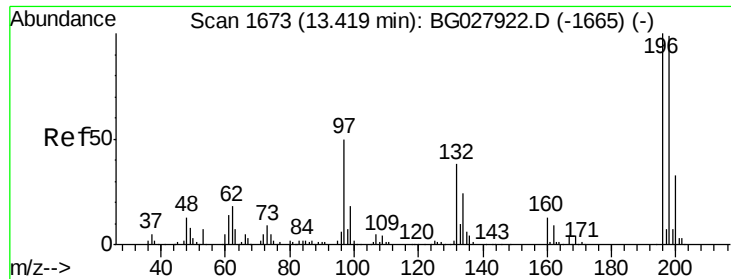
332 96.8 77.3 115.9

141 31.7 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

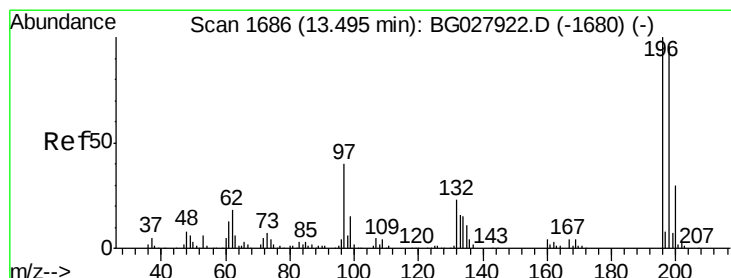
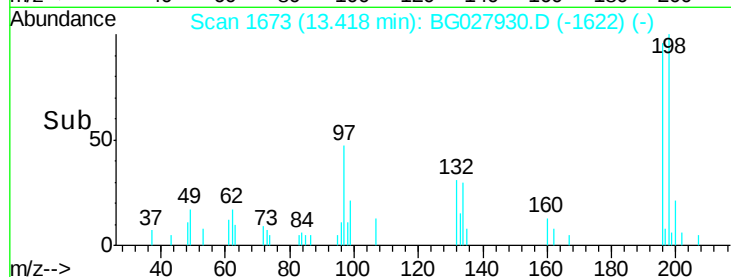
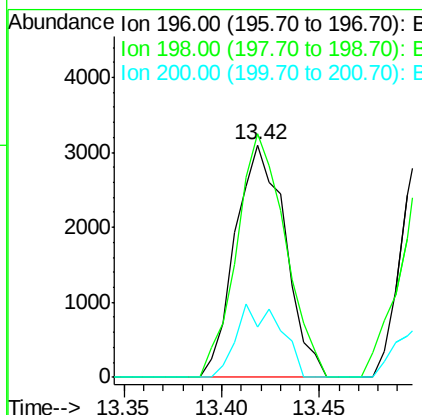
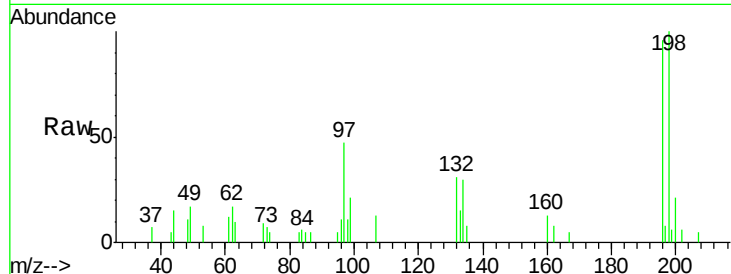




#42
 2,4,6-Trichlorophenol
 Concen: 1.575 ng
 RT: 13.42 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

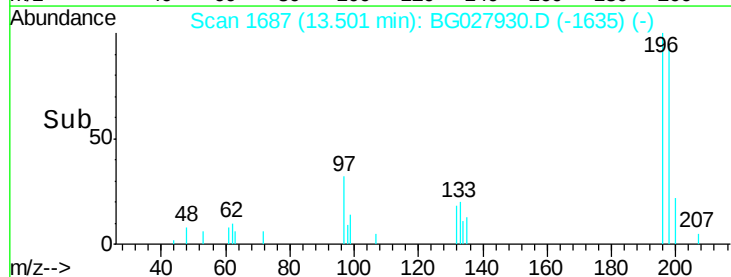
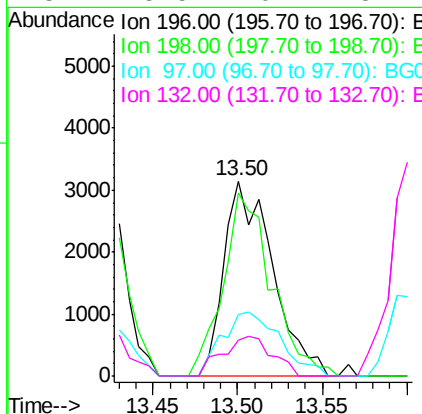
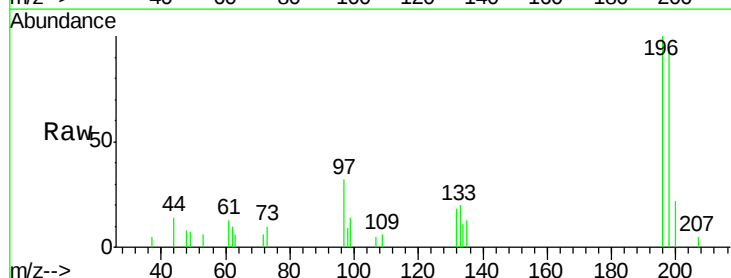
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

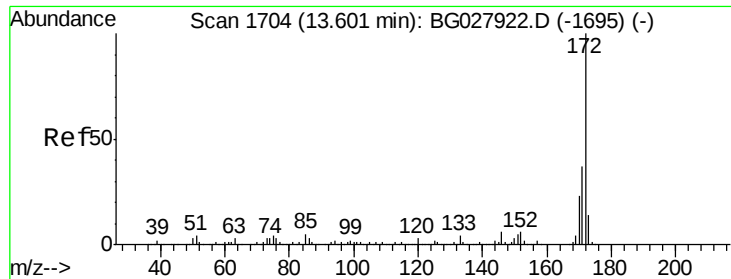
Tgt Ion:196 Resp: 5508
 Ion Ratio Lower Upper
 196 100
 198 104.7 81.4 122.2
 200 21.9 27.0 40.6#



#43
 2,4,5-Trichlorophenol
 Concen: 1.705 ng
 RT: 13.50 min Scan# 1687
 Delta R.T. 0.01 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

Tgt Ion:196 Resp: 6278
 Ion Ratio Lower Upper
 196 100
 198 93.9 79.9 119.9
 97 31.8 45.4 68.0#
 132 18.5 20.7 31.1#

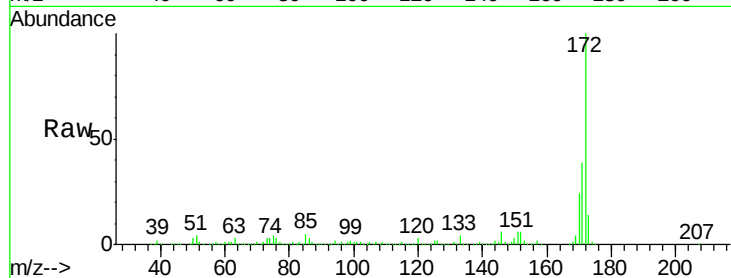




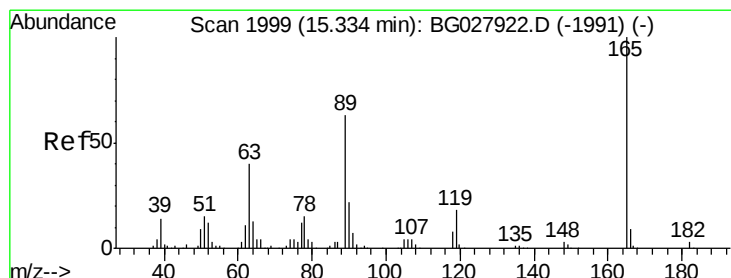
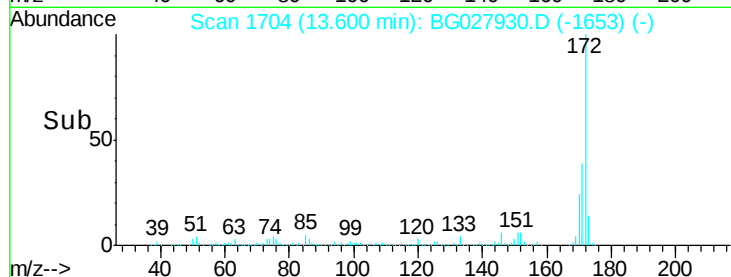
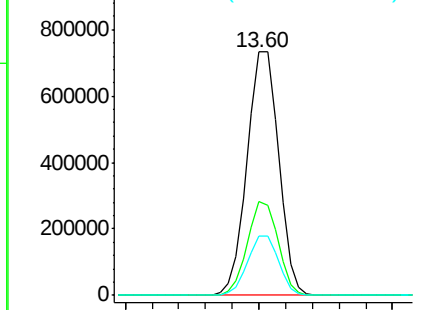
#44
 2-Fluorobiphenyl
 Concen: 108.309 ng
 RT: 13.60 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

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

Tgt Ion:172 Resp: 1197920
 Ion Ratio Lower Upper
 172 100
 171 38.5 32.2 48.2
 170 24.3 21.8 32.6

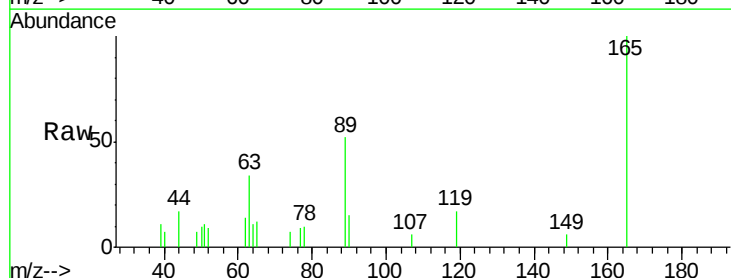


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

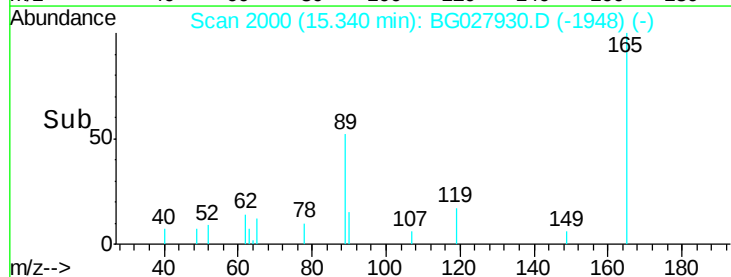
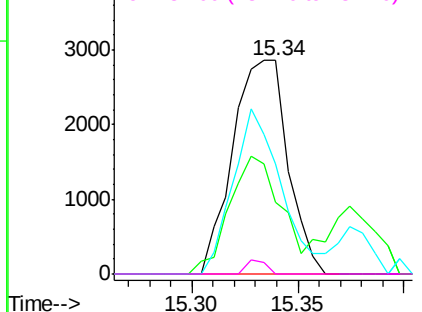


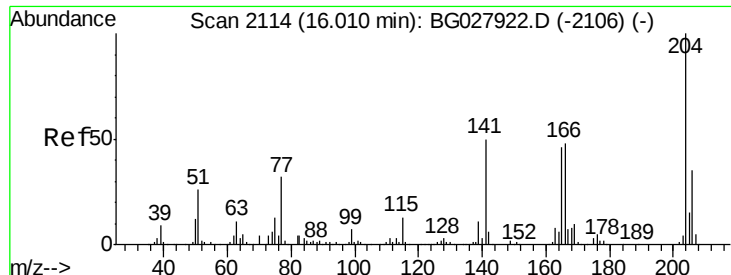
#56
 2,4-Dinitrotoluene
 Concen: 1.437 ng
 RT: 15.34 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

Tgt Ion:165 Resp: 5168
 Ion Ratio Lower Upper
 165 100
 63 33.6 44.0 66.0#
 89 51.7 67.3 100.9#
 182 0.0 3.8 5.6#



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

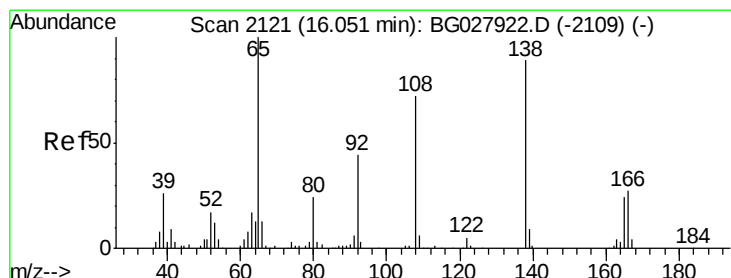
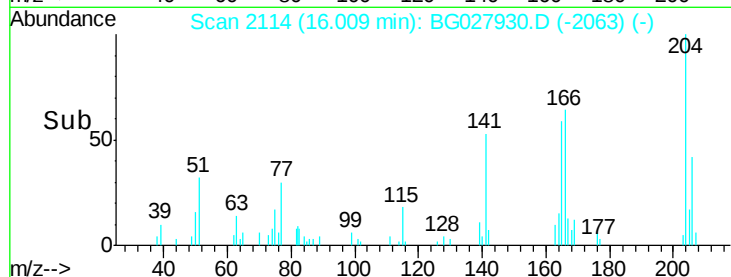
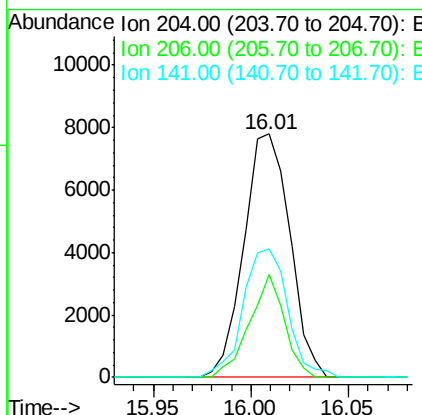
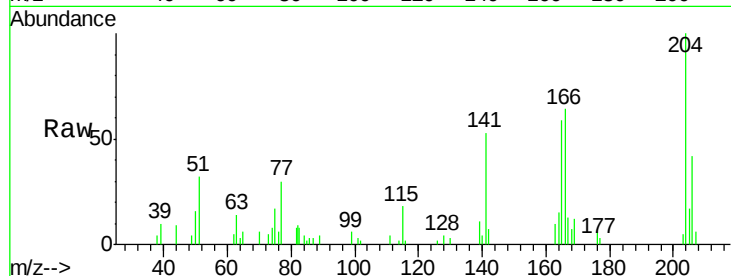




#60
 4-Chlorophenyl-phenylether
 Concen: 1.852 ng
 RT: 16.01 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

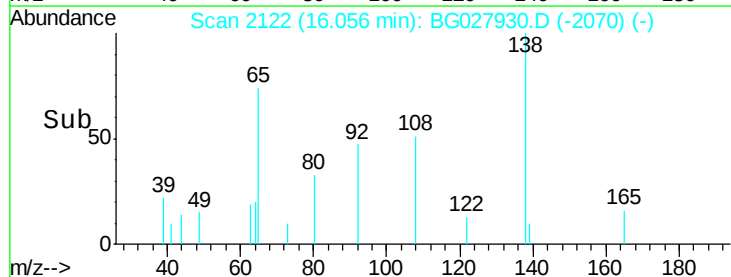
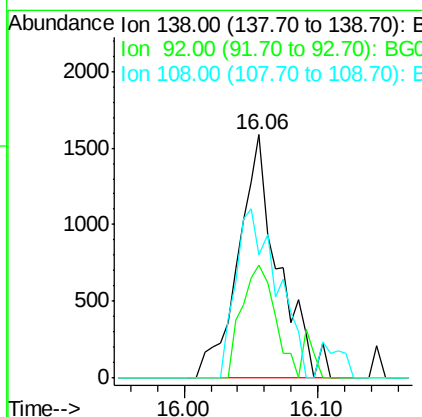
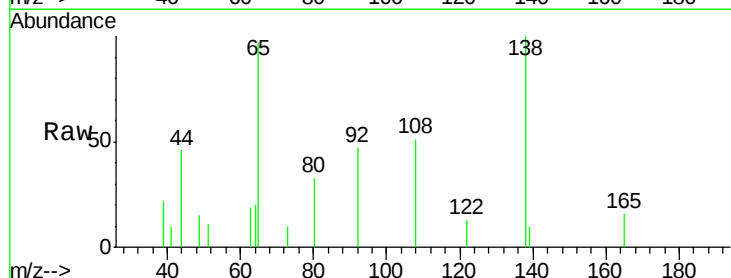
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT3-2017

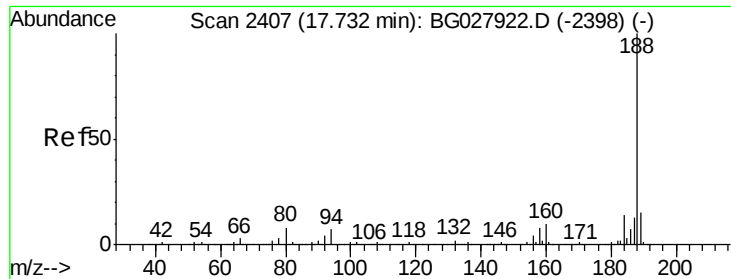
Tgt Ion: 204 Resp: 12704
 Ion Ratio Lower Upper
 204 100
 206 42.1 30.1 45.1
 141 52.9 50.6 76.0



#61
 4-Nitroaniline
 Concen: 1.245 ng
 RT: 16.06 min Scan# 2122
 Delta R.T. 0.01 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

Tgt Ion: 138 Resp: 3281
 Ion Ratio Lower Upper
 138 100
 92 46.6 44.2 84.2
 108 50.9 104.8 144.8#

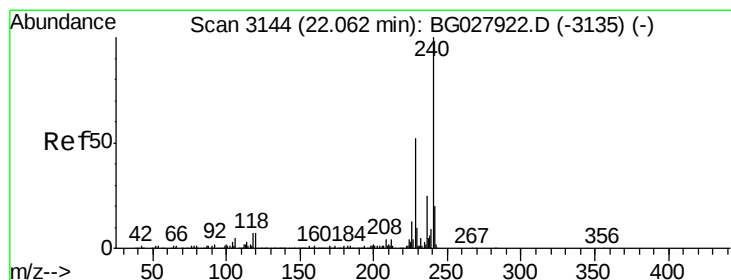
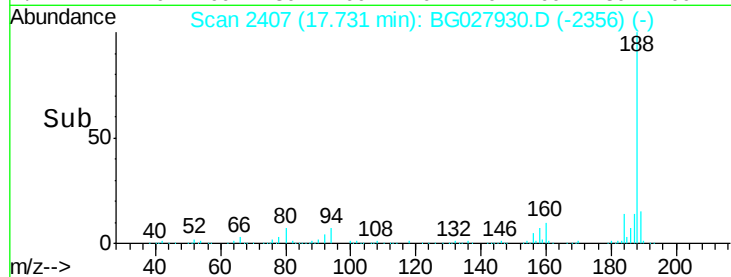
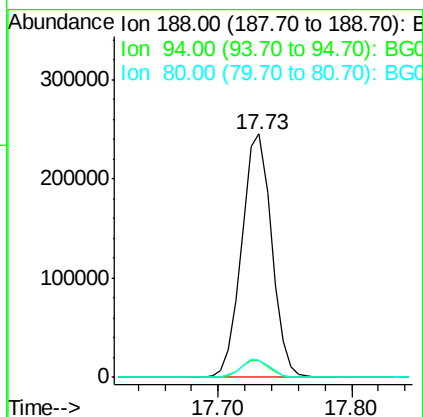
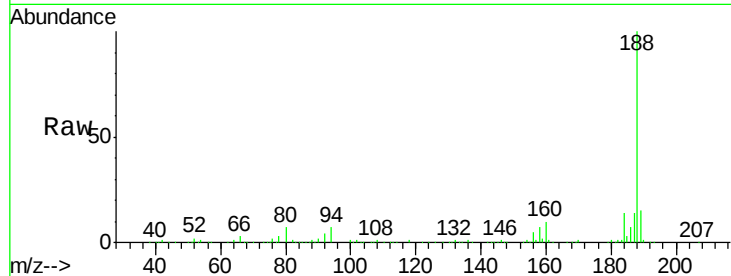




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.73 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

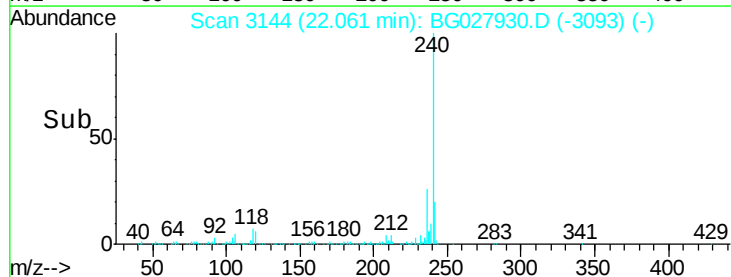
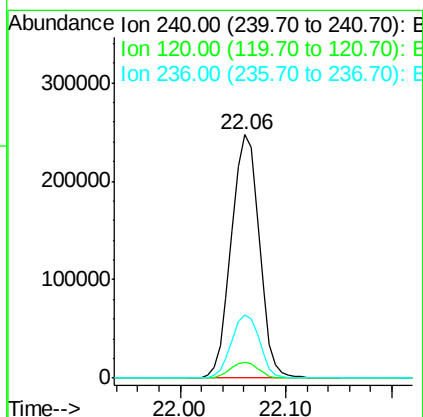
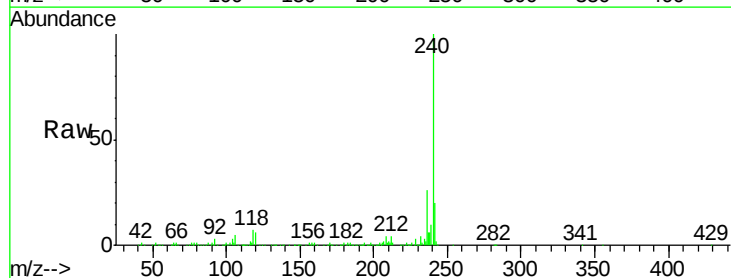
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT3-2017

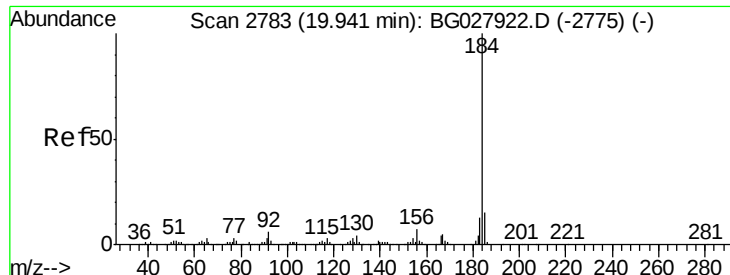
Tgt Ion:188 Resp: 378809
Ion Ratio Lower Upper
188 100
94 7.0 5.8 8.8
80 7.0 7.5 11.3#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.06 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

Tgt Ion:240 Resp: 454433
Ion Ratio Lower Upper
240 100
120 6.5 5.7 8.5
236 26.0 22.2 33.4

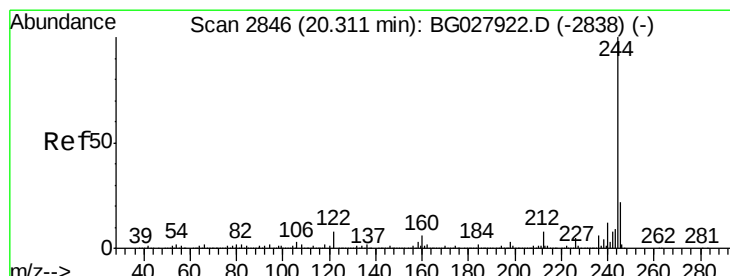
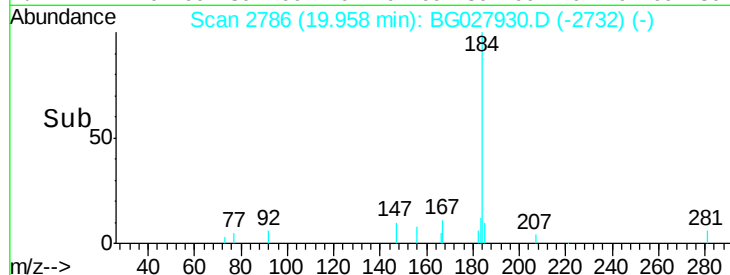
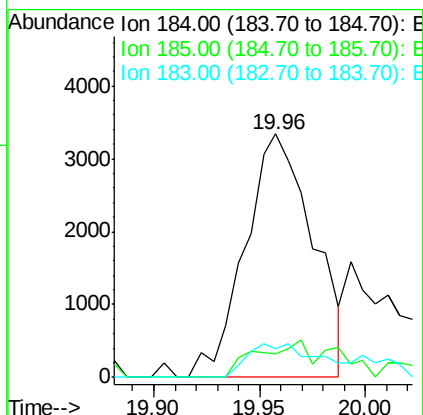
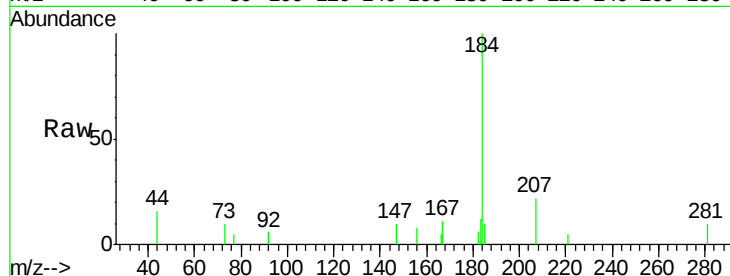




#76
Benzidine
Concen: 0.704 ng
RT: 19.96 min Scan# 2786
Delta R.T. 0.02 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

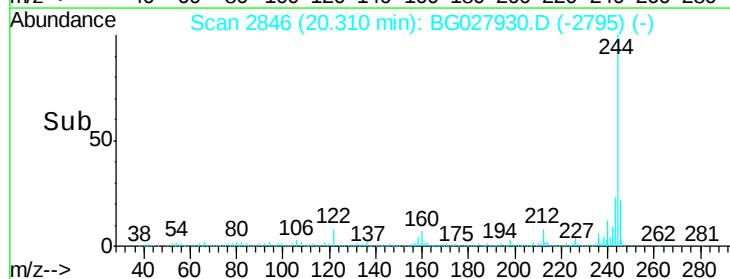
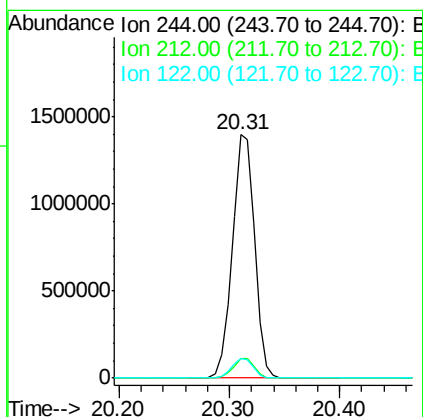
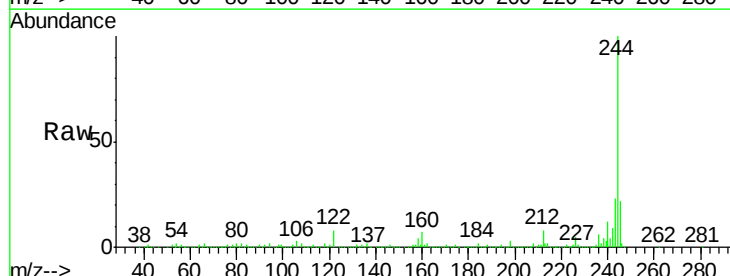
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT3-2017

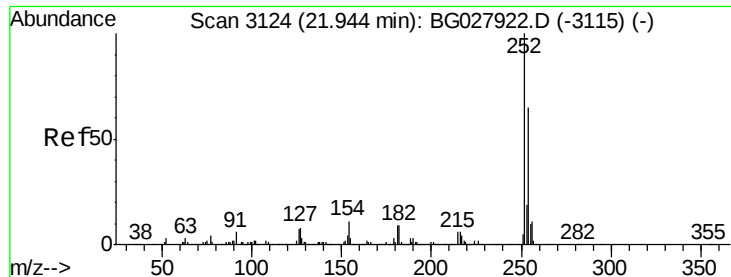
Tgt Ion:184 Resp: 7464
Ion Ratio Lower Upper
184 100
185 9.9 13.0 19.6#
183 12.0 11.0 16.6



#78
Terphenyl-d14
Concen: 98.142 ng
RT: 20.31 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BG027930.D
Acq: 14 Jul 2017 18:20

Tgt Ion:244 Resp: 1972489
Ion Ratio Lower Upper
244 100
212 8.0 10.0 15.0#
122 8.2 8.6 12.8#

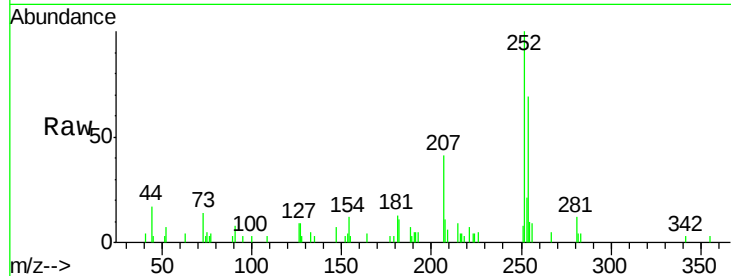




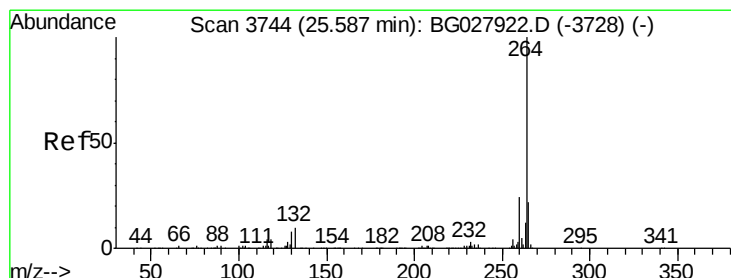
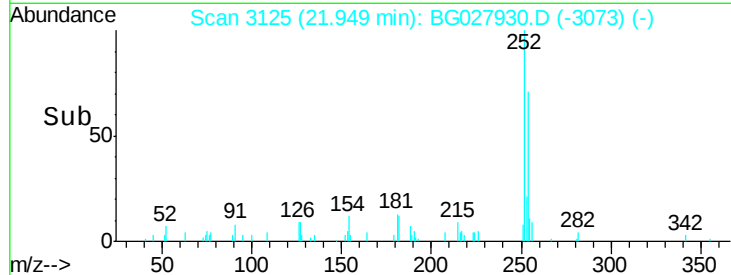
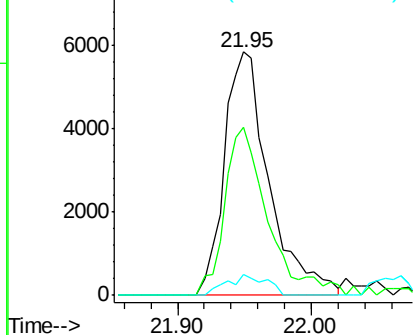
#81
 3,3'-Dichlorobenzidine
 Concen: 1.385 ng
 RT: 21.95 min Scan# 3125
 Delta R.T. 0.01 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

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

Tgt Ion: 252 Resp: 13603
 Ion Ratio Lower Upper
 252 100
 254 69.0 53.1 79.7
 126 8.8 7.0 10.4

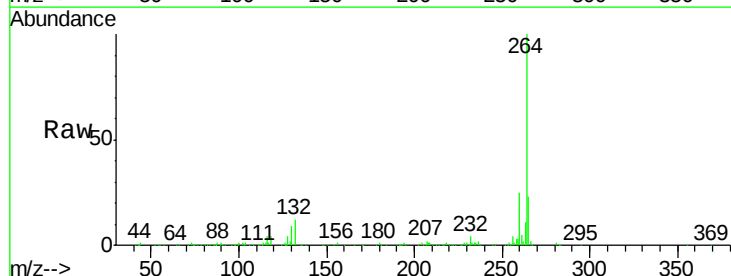


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.58 min Scan# 3743
 Delta R.T. -0.01 min
 Lab File: BG027930.D
 Acq: 14 Jul 2017 18:20

Tgt Ion: 264 Resp: 418384
 Ion Ratio Lower Upper
 264 100
 260 25.4 21.8 32.8
 265 22.7 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

