

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037423.D
 Acq On : 18 Oct 2018 17:19
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 2 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 19 07:48:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

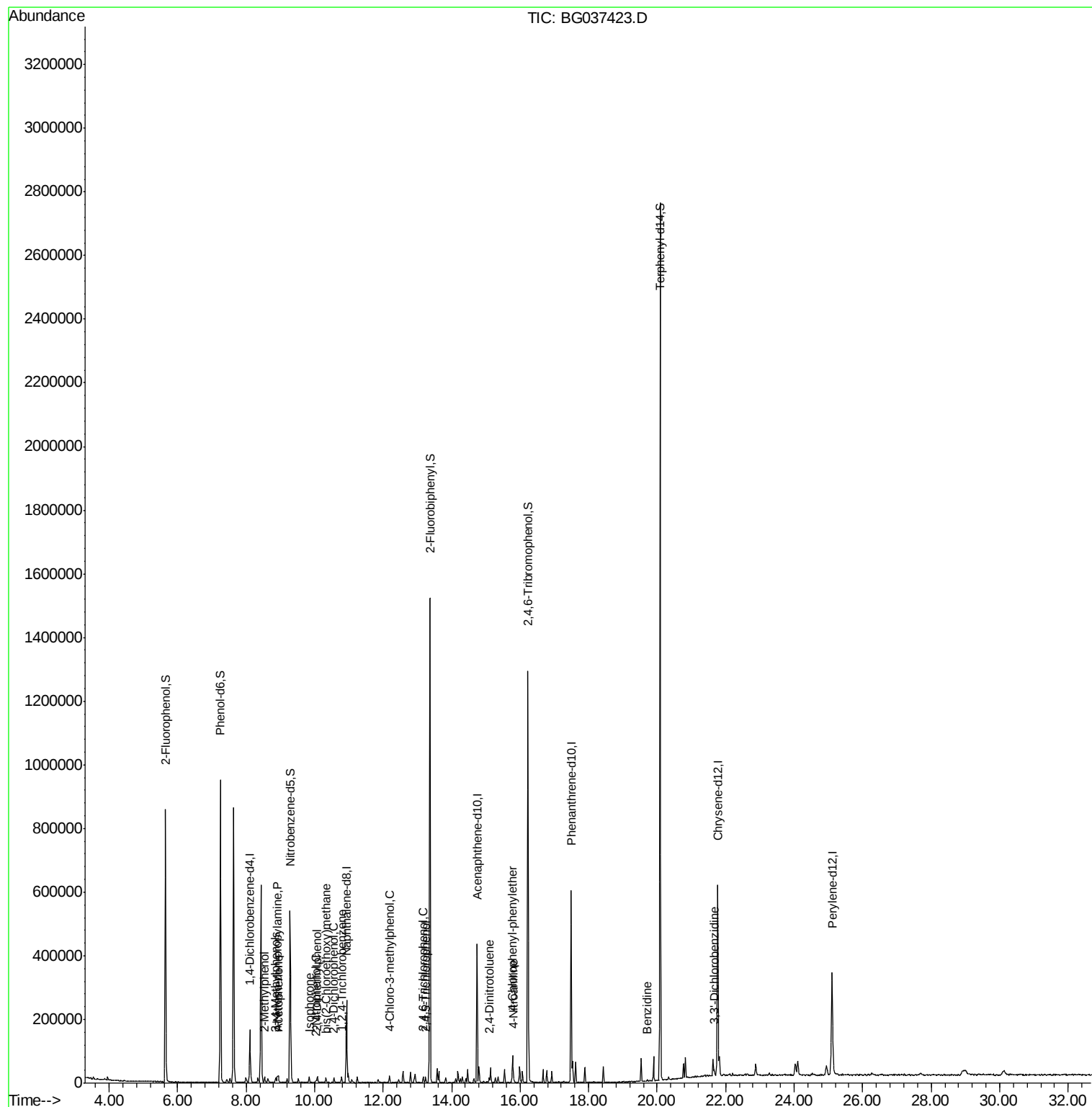
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	48805	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	229909	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	154313	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	385297	20.00	ng	0.00
76) Chrysene-d12	21.77	240	358446	20.00	ng	0.00
87) Perylene-d12	25.11	264	357615	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	398715	136.58	ng	0.00
7) Phenol-d6	7.24	99	588010	133.21	ng	0.00
23) Nitrobenzene-d5	9.28	82	336780	82.06	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	236544	140.54	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	841926	82.27	ng	0.00
79) Terphenyl-d14	20.09	244	1317310	78.53	ng	0.00
Target Compounds						
17) 2-Methylphenol	8.54	107	6142	1.995	ng	Qvalue # 86
19) n-Nitroso-di-n-propylamine	8.91	70	5936	1.953	ng	# 88
20) 3+4-Methylphenols	8.86	107	8684	1.973	ng	# 94
22) Acetophenone	8.94	105	11126	1.930	ng	# 93
25) Isophorone	9.84	82	15636	2.085	ng	# 96
26) 2-Nitrophenol	10.04	139	2895	1.507	ng	# 92
27) 2,4-Dimethylphenol	10.08	122	6868	2.003	ng	# 89
28) bis(2-Chloroethoxy)methane	10.32	93	10040	2.043	ng	# 91
29) 2,4-Dichlorophenol	10.56	162	6304	1.651	ng	# 86
30) 1,2,4-Trichlorobenzene	10.79	180	7918	1.907	ng	# 84
36) 4-Chloro-3-methylphenol	12.19	107	7651	1.777	ng	# 85
43) 2,4,6-Trichlorophenol	13.17	196	5377	1.617	ng	# 89
44) 2,4,5-Trichlorophenol	13.24	196	6308	1.742	ng	# 90
57) 2,4-Dinitrotoluene	15.09	165	5419	1.563	ng	# 97
61) 4-Chlorophenyl-phenylether	15.78	204	12652	1.953	ng	# 90
62) 4-Nitroaniline	15.81	138	4359	1.496	ng	# 92
77) Benzidine	19.72	184	4302	0.353	ng	# 93
82) 3,3'-Dichlorobenzidine	21.66	252	9316	1.134	ng	# 100

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

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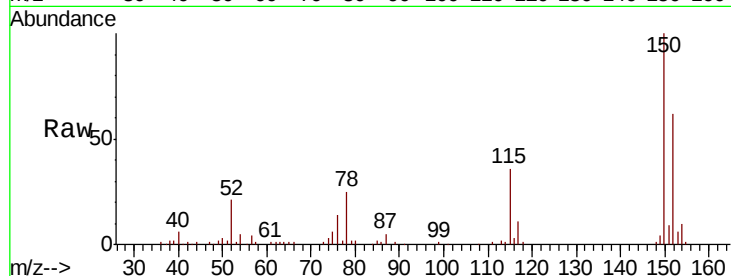


#1

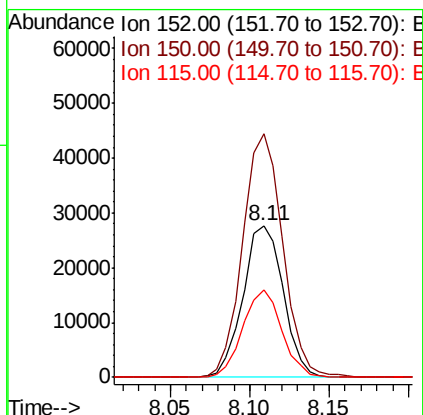
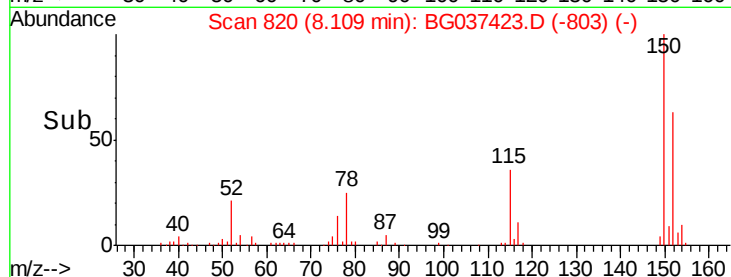
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:152 Resp: 48805
Ion Ratio Lower Upper
152 100
150 160.5 126.0 189.0
115 58.0 45.5 68.3



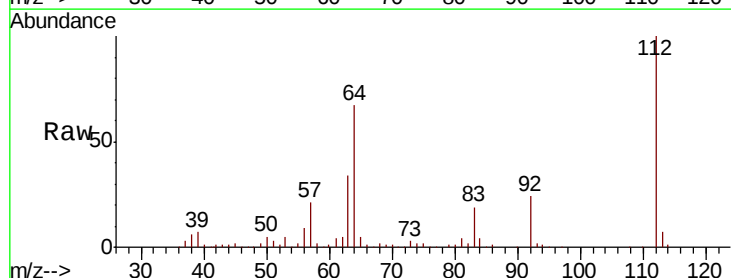
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



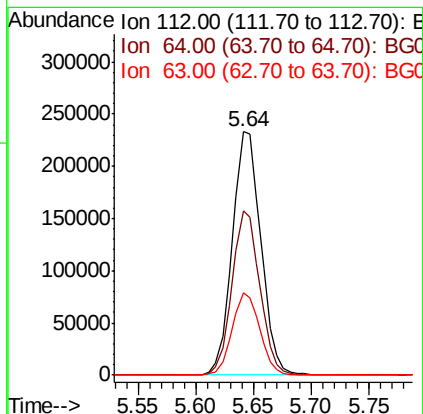
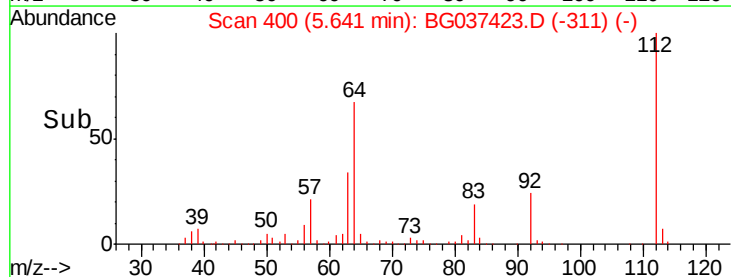
#5

2-Fluorophenol
Concen: 136.583 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:112 Resp: 398715
Ion Ratio Lower Upper
112 100
64 67.3 53.1 79.7
63 33.8 27.3 40.9



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: 133.208 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

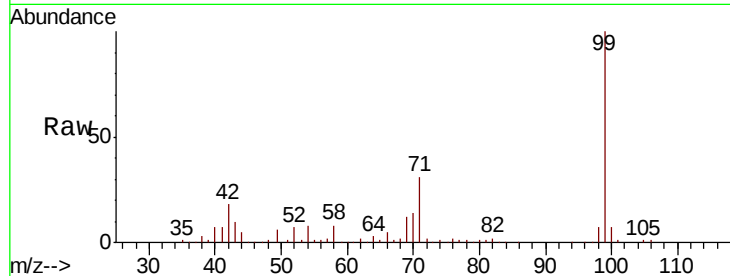
Tot Ion: 99 Resp: 588010

Ion Ratio Lower Upper

99 100

42 18.2 15.0 22.4

71 31.4 25.5 38.3

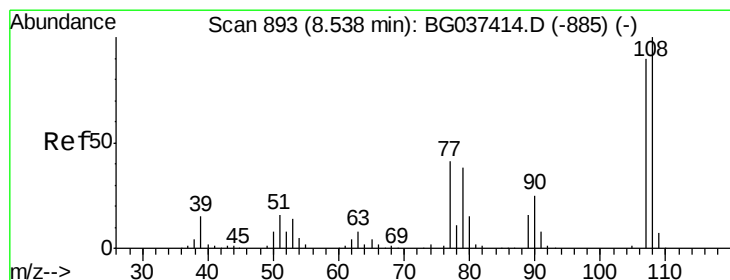
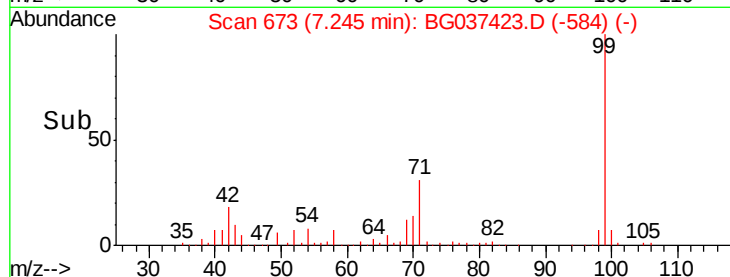
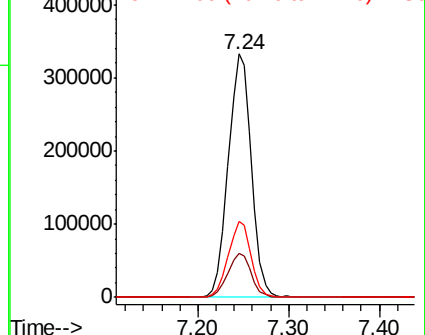


Abundance

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: 1.995 ng

RT: 8.54 min Scan# 893

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Tgt Ion: 107 Resp: 6142

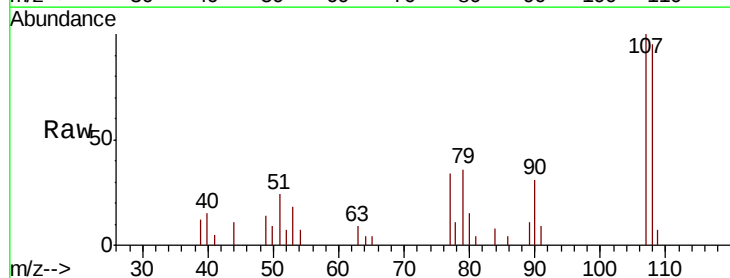
Ion Ratio Lower Upper

107 100

108 94.8 87.9 131.9

77 33.6 35.1 52.7#

79 36.2 34.5 51.7



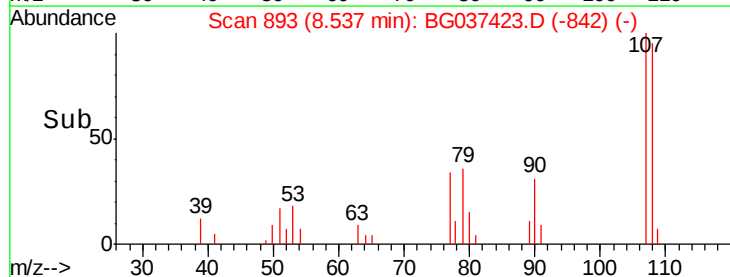
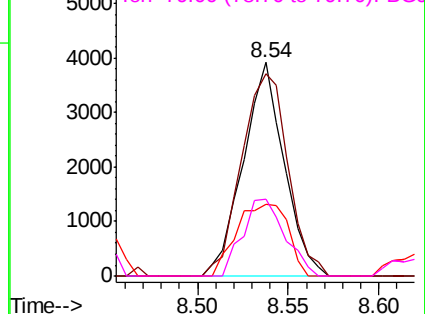
Abundance

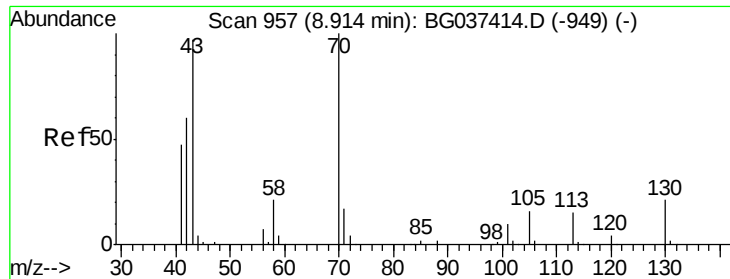
Ion 107.00 (106.70 to 107.70): BGC

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

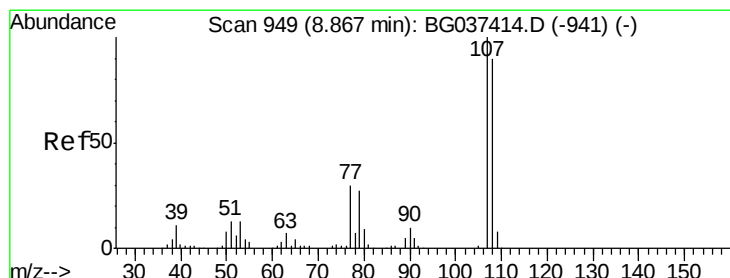
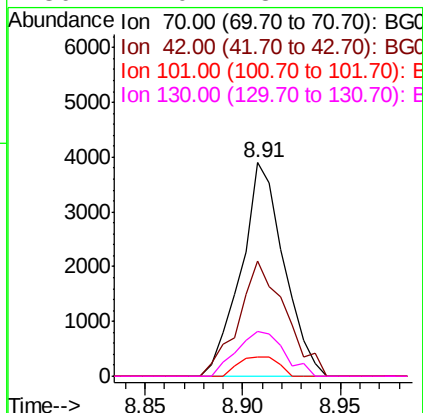
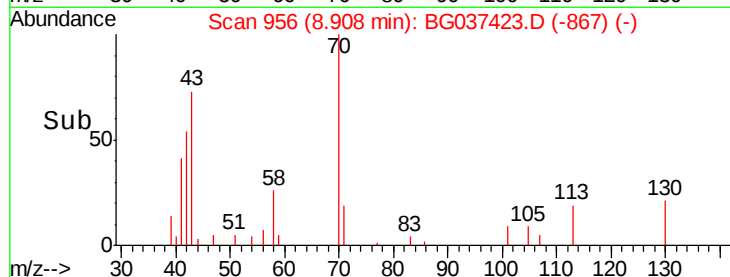
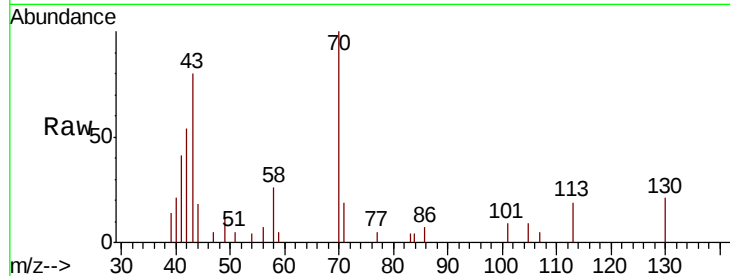




#19
n-Nitroso-di-n-propylamine
Concen: 1.953 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

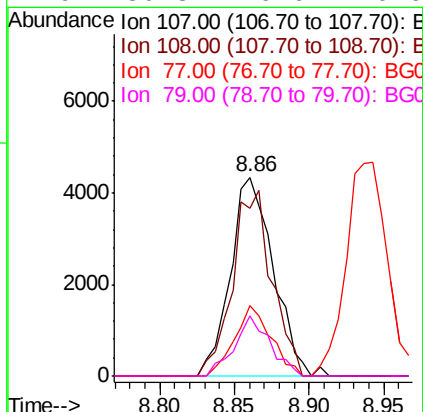
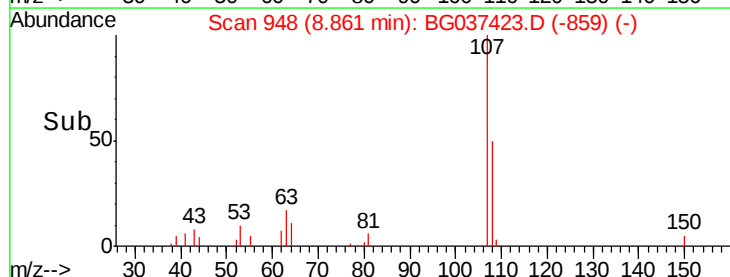
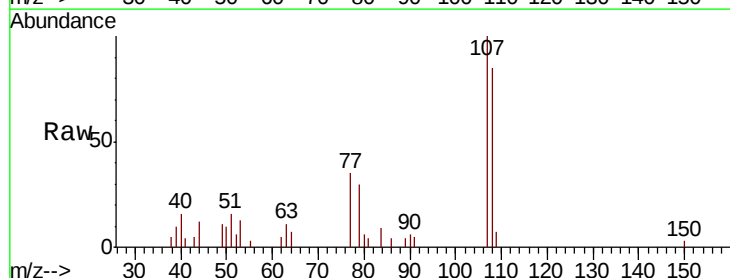
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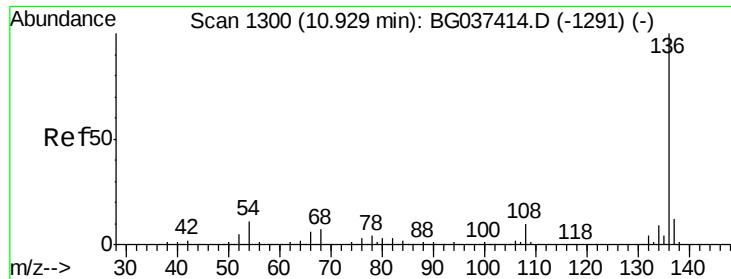
Tot Ion:	70	Resp:	5936
Ion	Ratio	Lower	Upper
70	100		
42	54.0	53.9	80.9
101	9.1	8.2	12.2
130	21.0	18.2	27.4



#20
3+4-Methylphenols
Concen: 1.973 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:	107	Resp:	8684
Ion	Ratio	Lower	Upper
107	100		
108	84.6	69.9	109.9
77	35.2	11.2	51.2
79	30.3	6.6	46.6

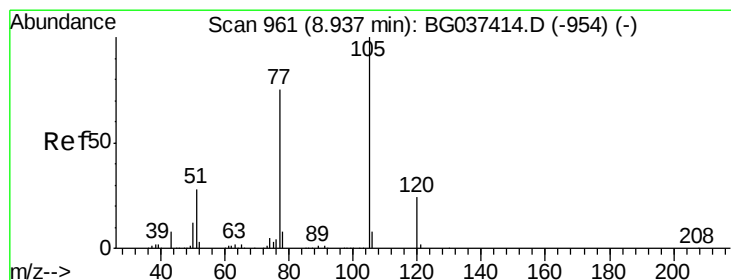
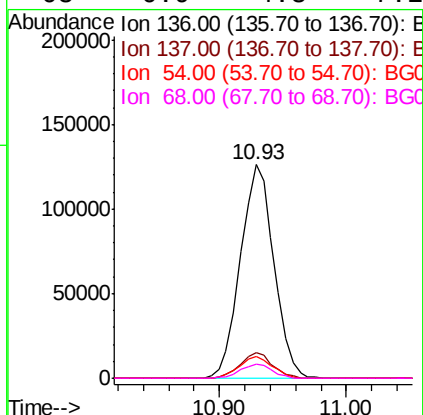
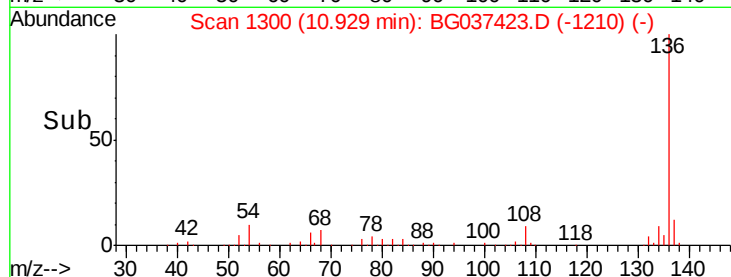
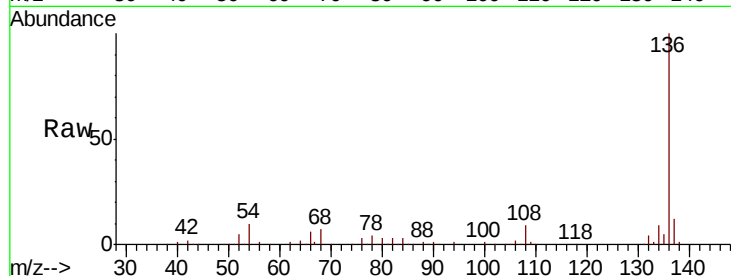




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

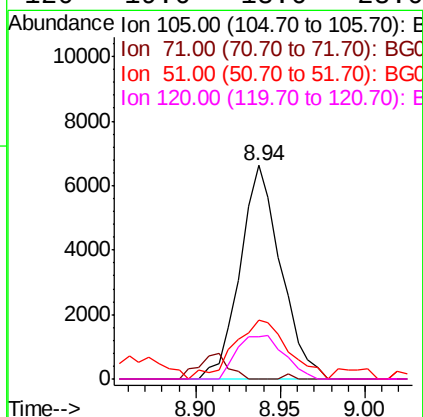
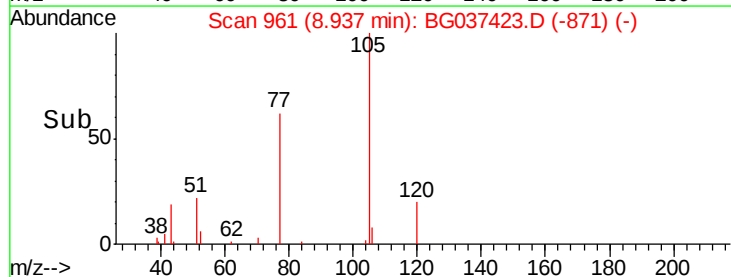
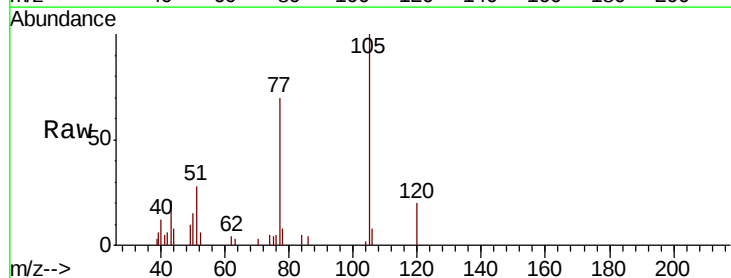
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

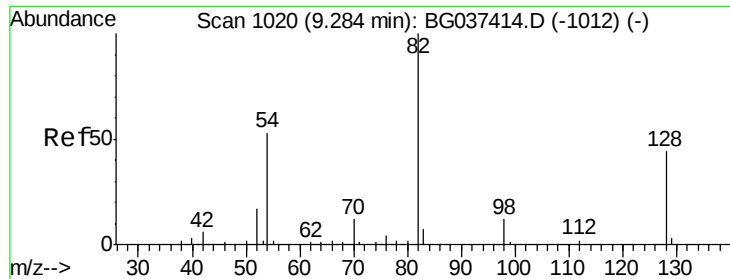
Tot Ion:136	Resp:	229909
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.6 14.4
54	10.2	7.9 11.9
68	6.9	4.8 7.2



#22
Acetophenone
Concen: 1.930 ng
RT: 8.94 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:105	Resp:	11126
Ion	Ratio	Lower Upper
105	100	
71	0.0	1.2 1.8#
51	27.6	25.0 37.6
120	19.6	18.6 28.0

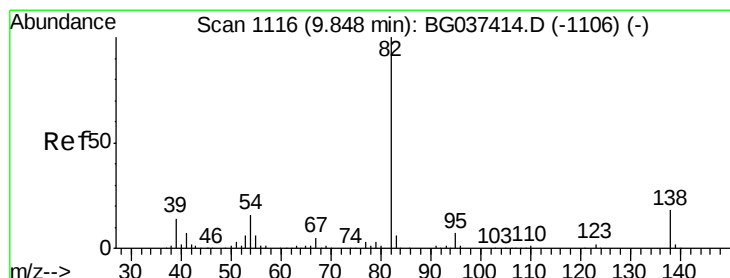
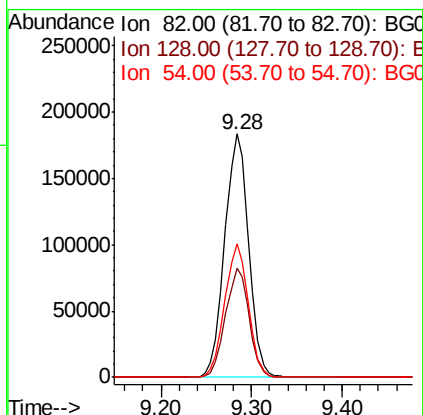
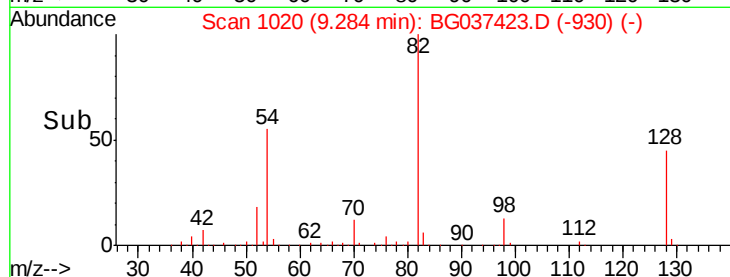
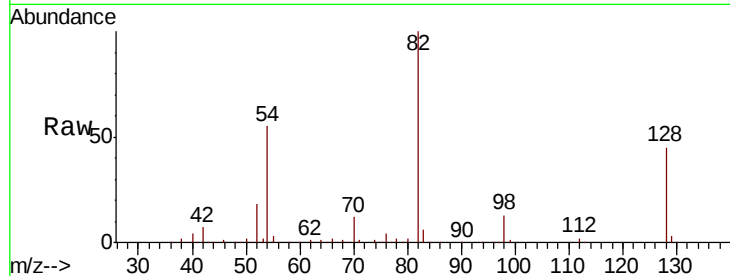




#23
Nitrobenzene-d5
Concen: 82.059 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

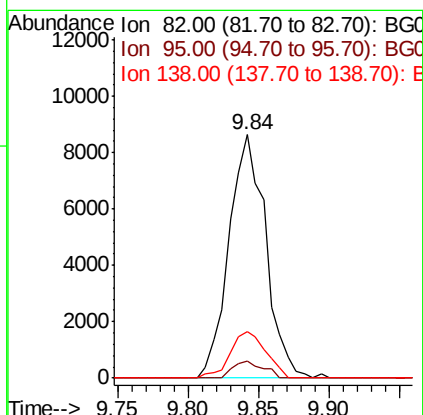
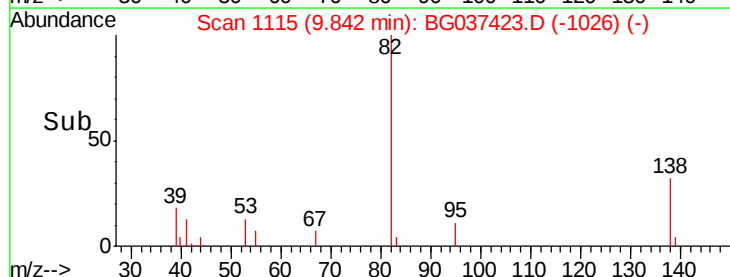
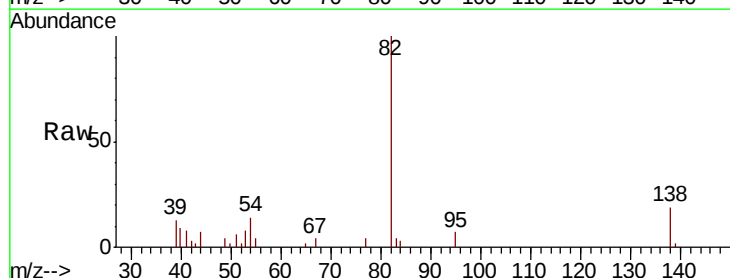
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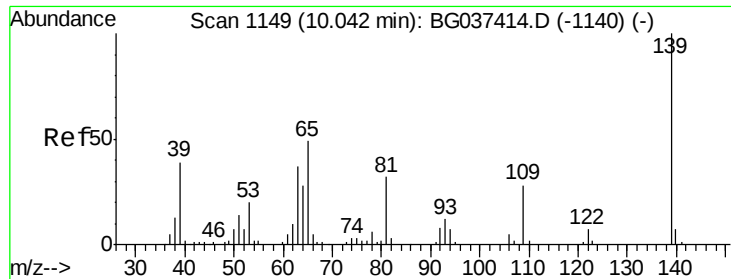
Tot Ion	82	Resp	336780
Ion Ratio	Lower	Upper	
82	100		
128	44.8	34.6	51.8
54	54.6	45.3	67.9



#25
Isophorone
Concen: 2.085 ng
RT: 9.84 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion	82	Resp	15636
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.3	7.9
138	18.9	13.3	19.9

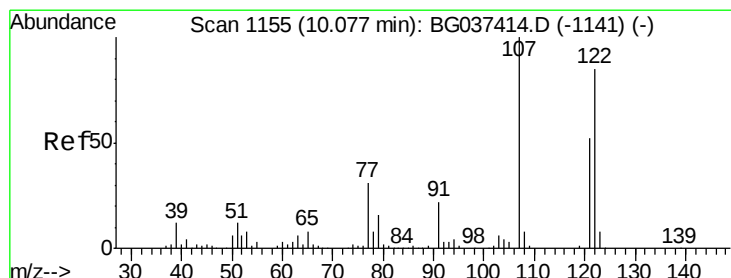
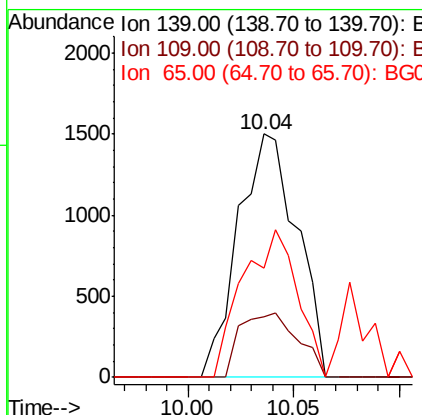
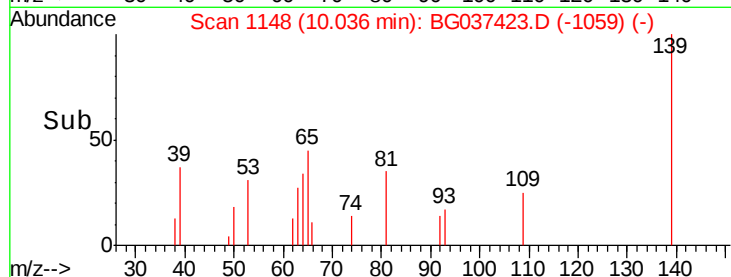
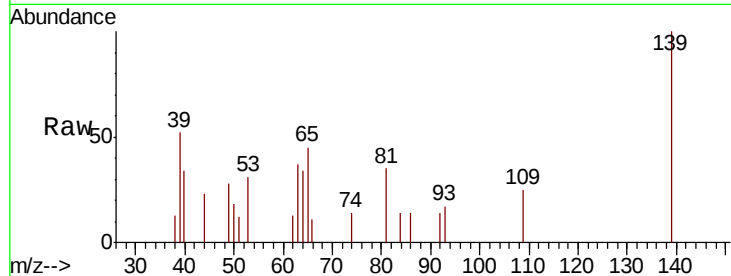




#26
2-Nitrophenol
Concen: 1.507 ng
RT: 10.04 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

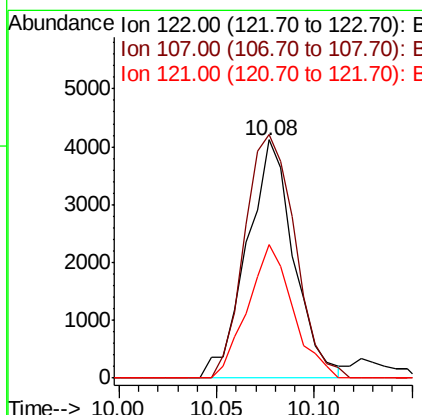
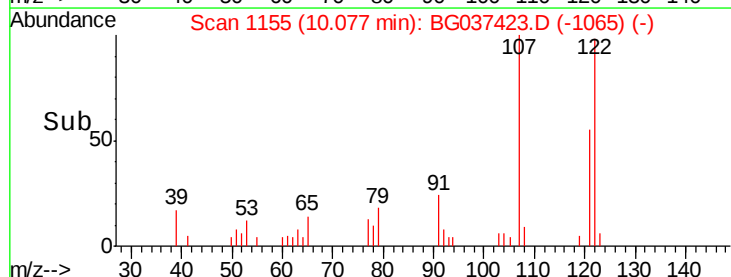
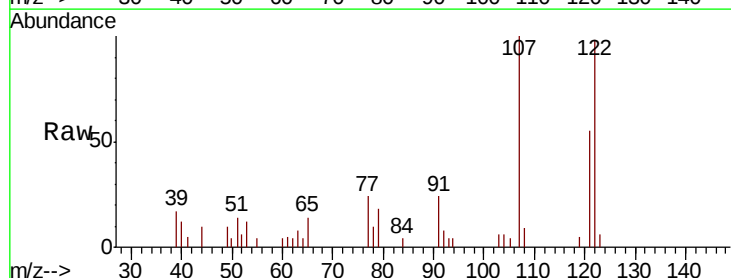
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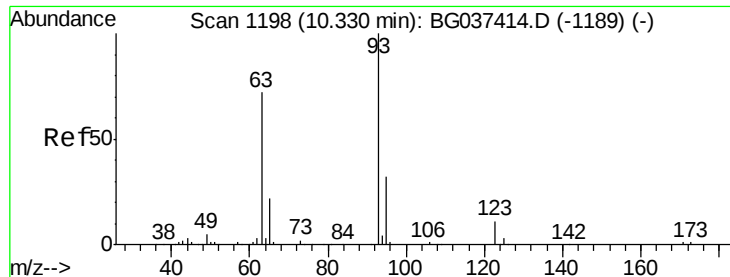
Tot Ion	Ratio	Lower	Upper
139	100		
109	24.8	23.3	34.9
65	44.7	39.8	59.8



#27
2,4-Dimethylphenol
Concen: 2.003 ng
RT: 10.08 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion	Ratio	Lower	Upper
122	100		
107	102.1	94.2	141.2
121	55.8	47.3	70.9

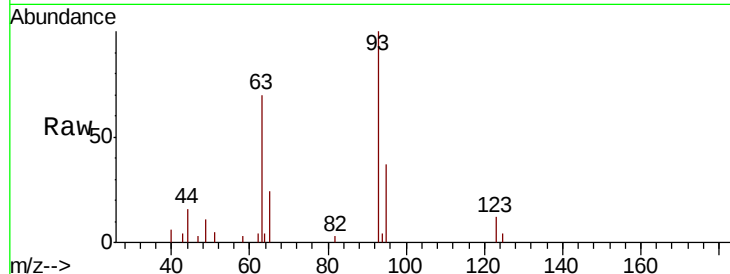




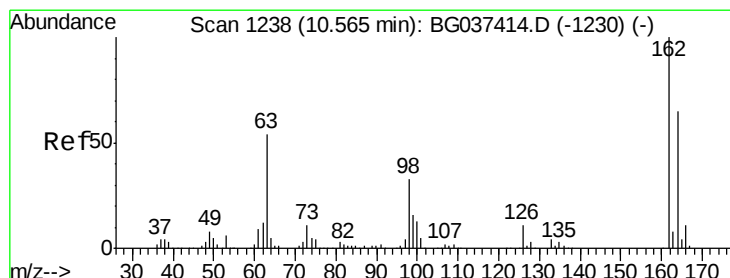
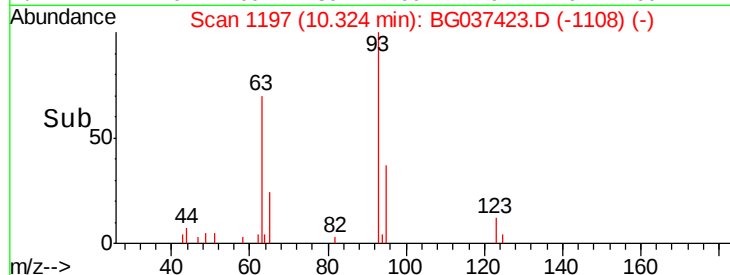
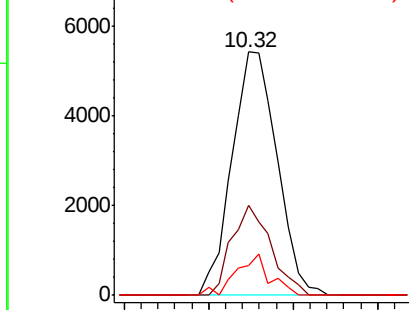
#28
bis(2-Chloroethoxy)methane
Concen: 2.043 ng
RT: 10.32 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion: 93 Resp: 10040
Ion Ratio Lower Upper
93 100
95 37.0 24.6 37.0#
123 12.1 9.1 13.7

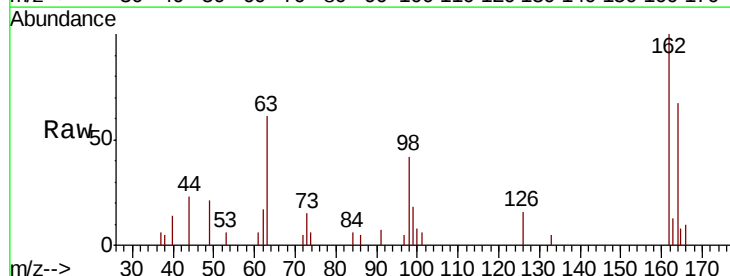


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): BGC

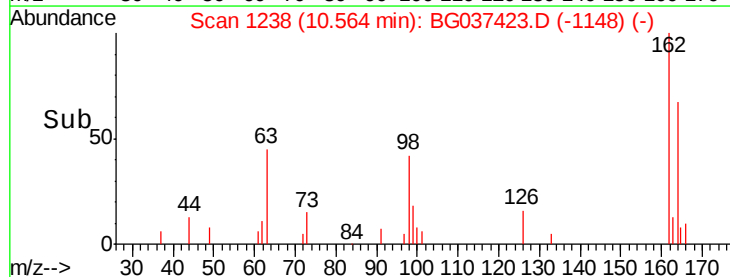
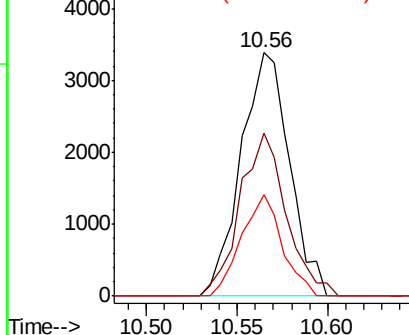


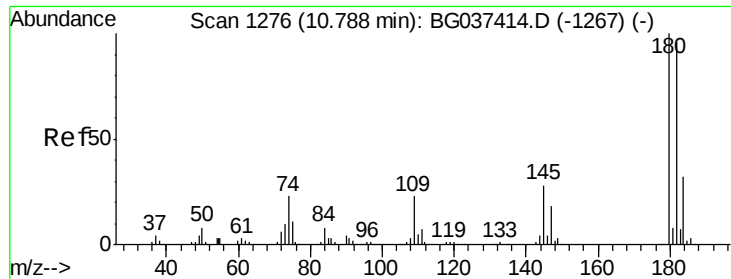
#29
2,4-Dichlorophenol
Concen: 1.651 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:162 Resp: 6304
Ion Ratio Lower Upper
162 100
164 75.5 43.2 83.2
98 41.6 16.0 56.0



Abundance Ion 162.00 (161.70 to 162.70): BGC
Ion 164.00 (163.70 to 164.70): BGC
Ion 98.00 (97.70 to 98.70): BGC

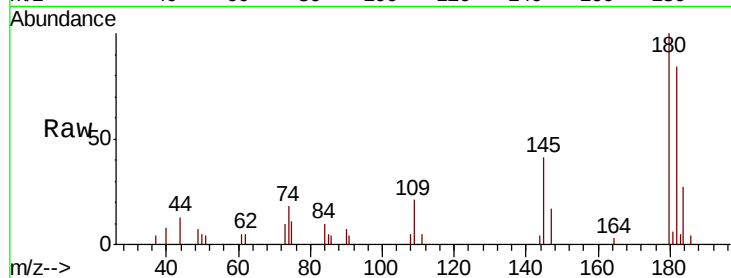




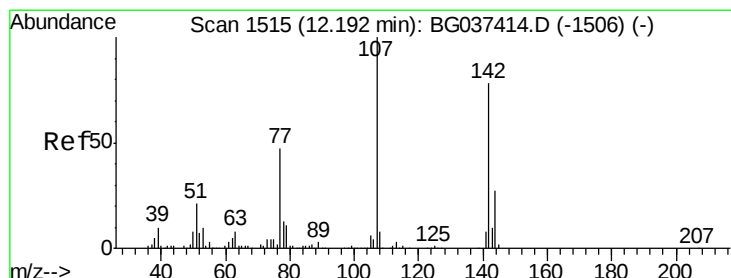
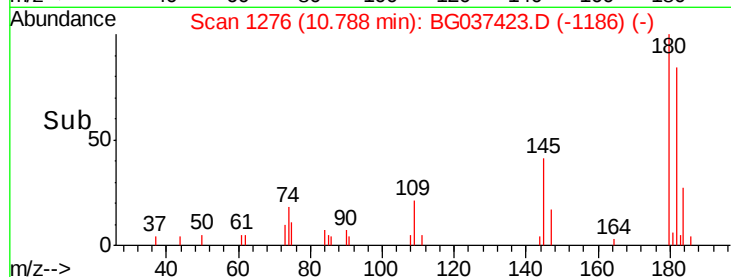
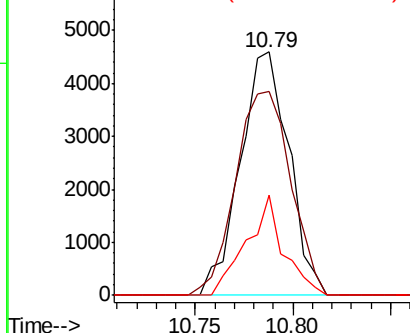
#30
 1,2,4-Trichlorobenzene
 Concen: 1.907 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tot Ion:180 Resp: 7918
 Ion Ratio Lower Upper
 180 100
 182 83.8 77.7 116.5
 145 41.2 23.3 34.9#

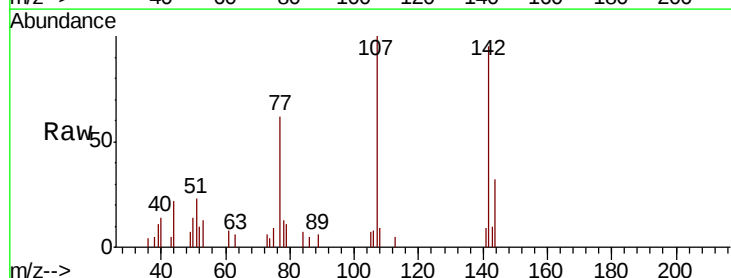


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

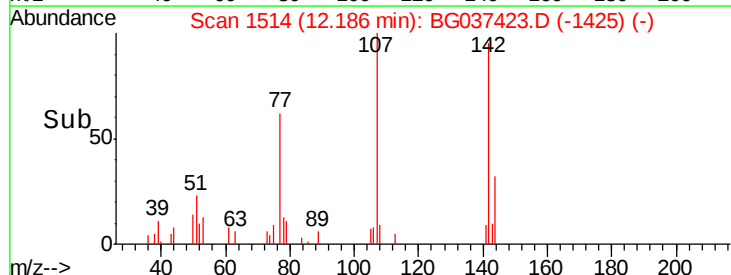
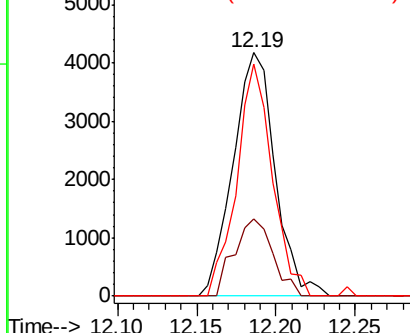


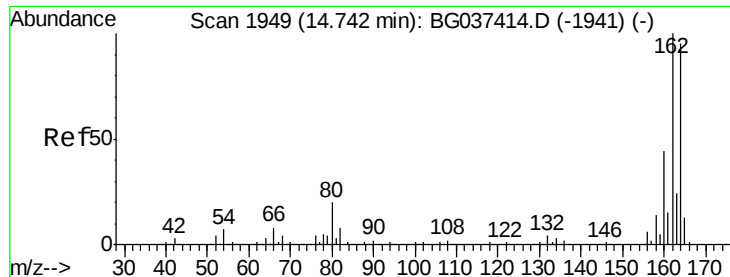
#36
 4-Chloro-3-methylphenol
 Concen: 1.777 ng
 RT: 12.19 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:107 Resp: 7651
 Ion Ratio Lower Upper
 107 100
 144 31.7 20.7 31.1#
 142 95.1 64.4 96.6



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

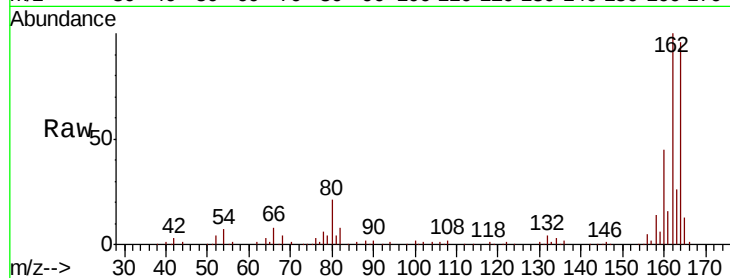
Tot Ion:164 Resp: 154313

Ion Ratio Lower Upper

164 100

162 104.3 81.3 121.9

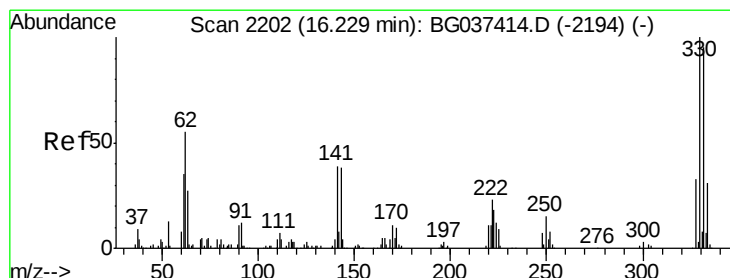
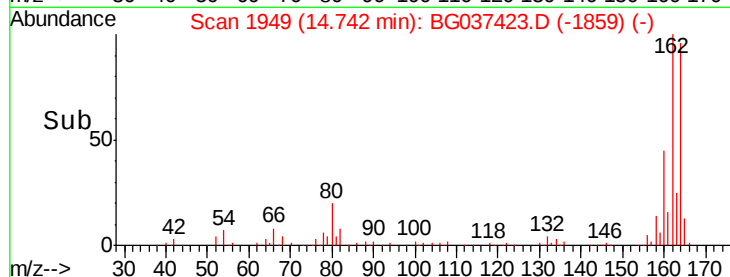
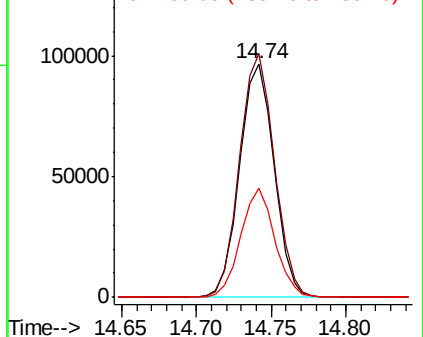
160 46.6 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 140.543 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

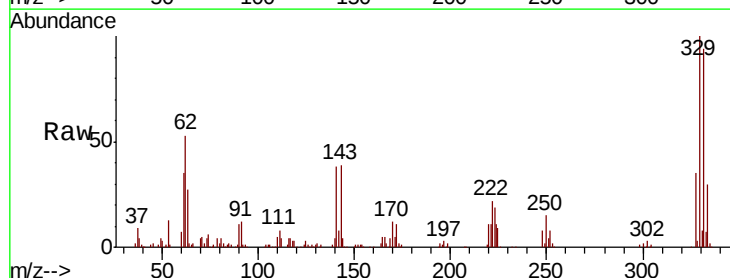
Tgt Ion:330 Resp: 236544

Ion Ratio Lower Upper

330 100

332 95.6 78.4 117.6

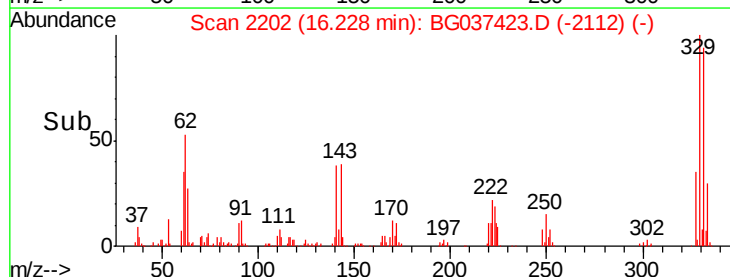
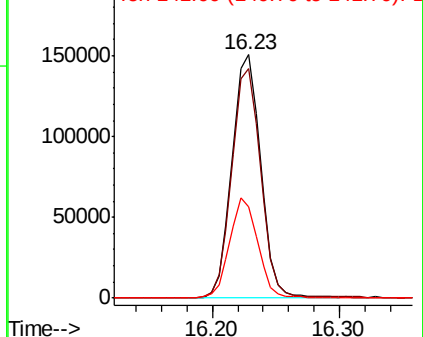
141 40.2 32.2 48.2

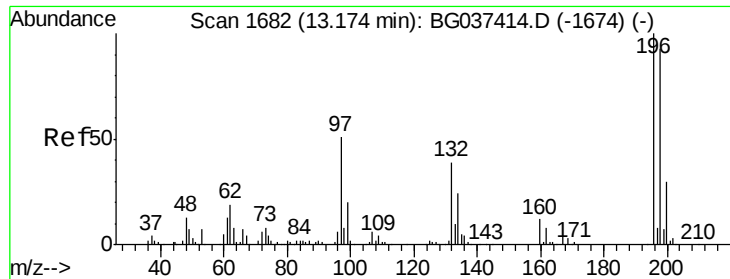


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

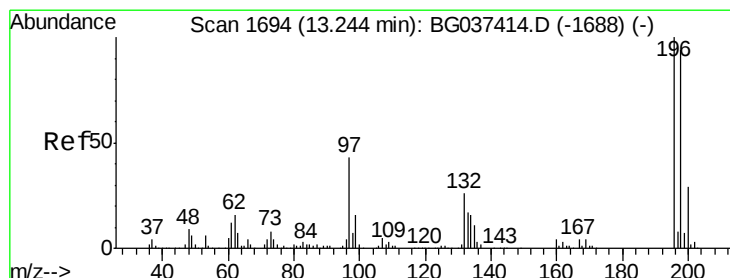
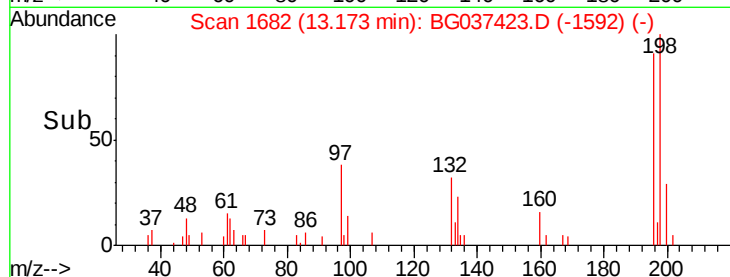
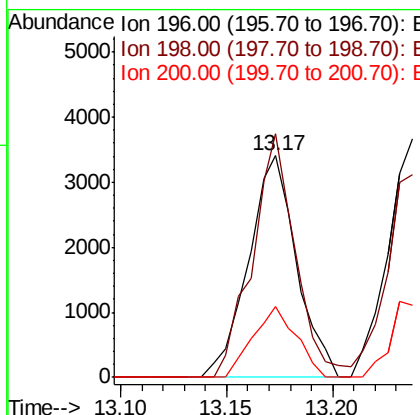
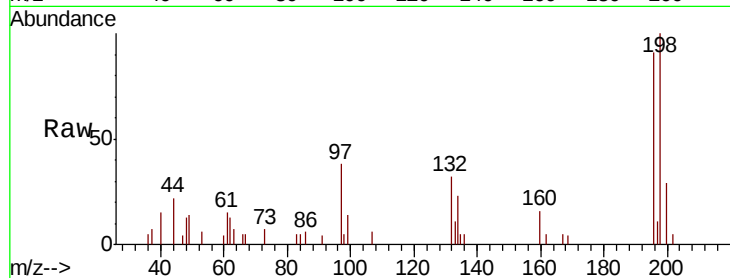




#43
 2,4,6-Trichlorophenol
 Concen: 1.617 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

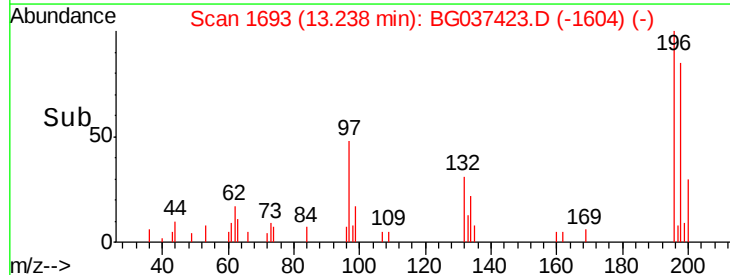
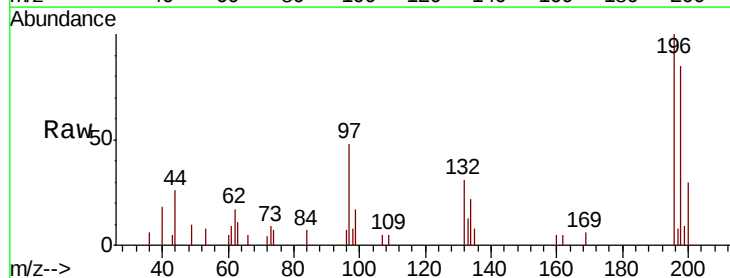
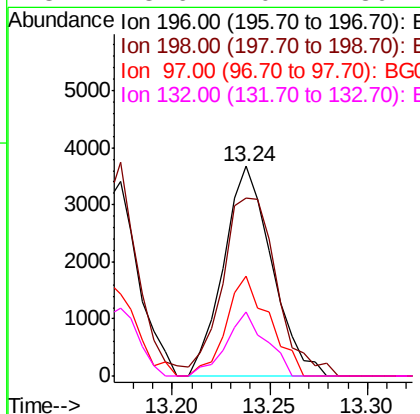
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

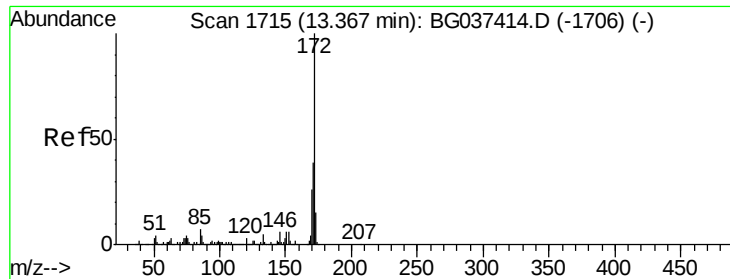
Tot Ion:196 Resp: 5377
 Ion Ratio Lower Upper
 196 100
 198 109.8 76.4 114.6
 200 32.1 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 1.742 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:196 Resp: 6308
 Ion Ratio Lower Upper
 196 100
 198 78.9 74.2 111.2
 97 44.5 34.1 51.1
 132 28.6 20.2 30.4

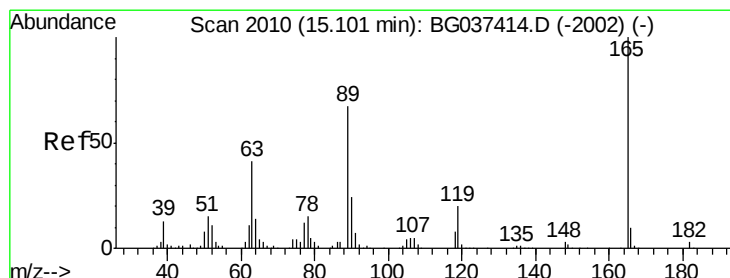
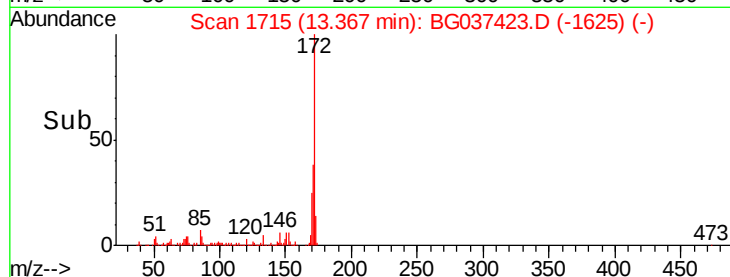
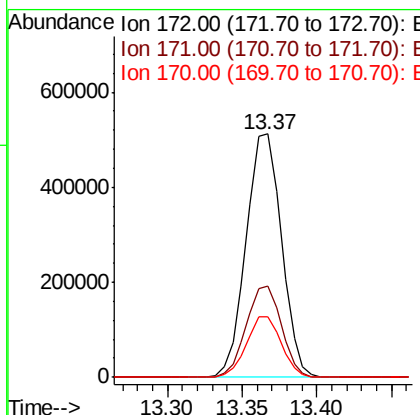
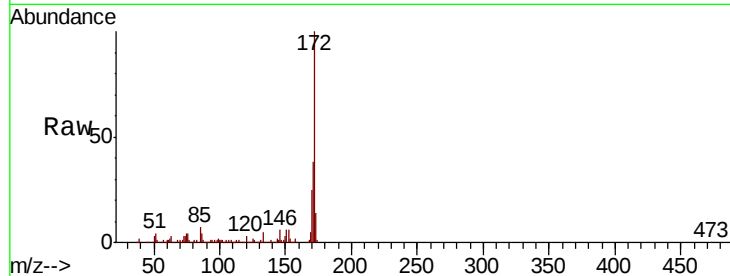




#45
2-Fluorobiphenyl
Concen: 82.273 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

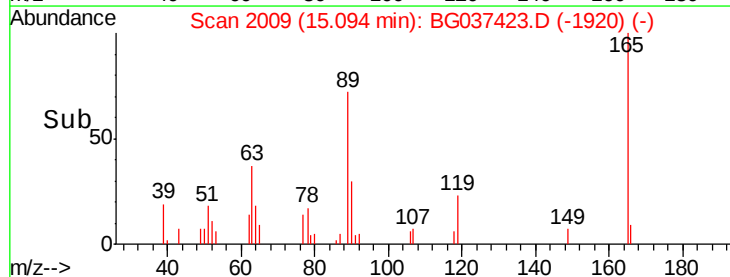
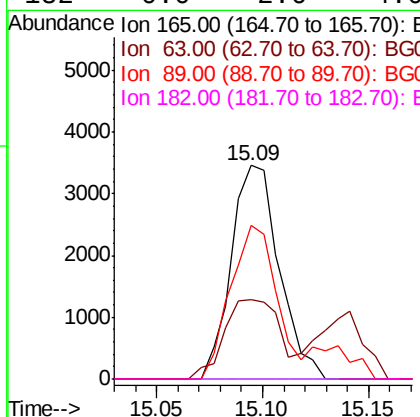
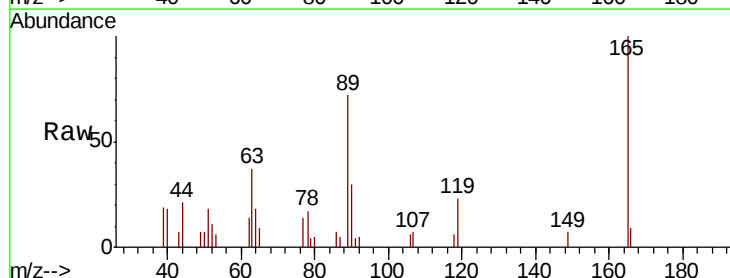
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

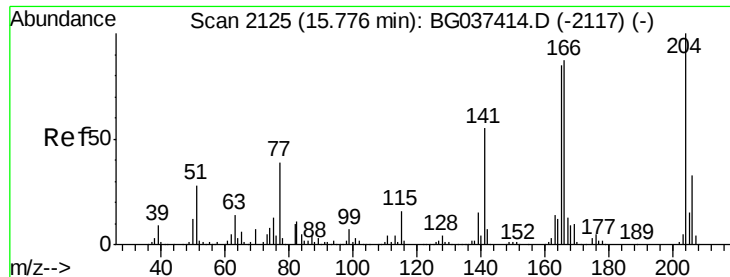
Tot Ion:172 Resp: 841926
Ion Ratio Lower Upper
172 100
171 37.6 31.0 46.4
170 24.9 20.2 30.2



#57
2,4-Dinitrotoluene
Concen: 1.563 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:165 Resp: 5419
Ion Ratio Lower Upper
165 100
63 37.0 33.4 50.0
89 71.7 57.2 85.8
182 0.0 2.6 4.0#

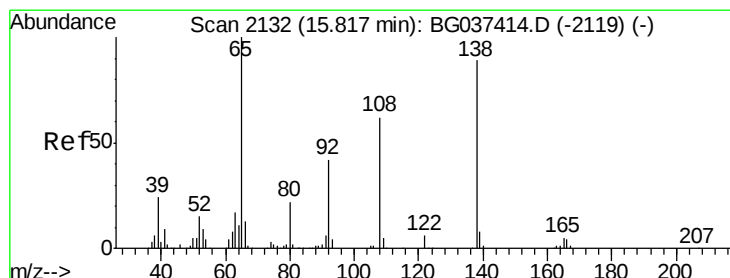
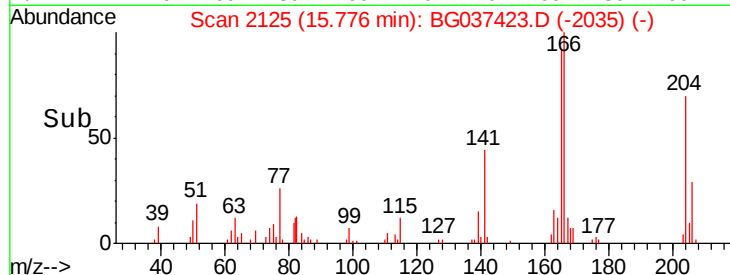
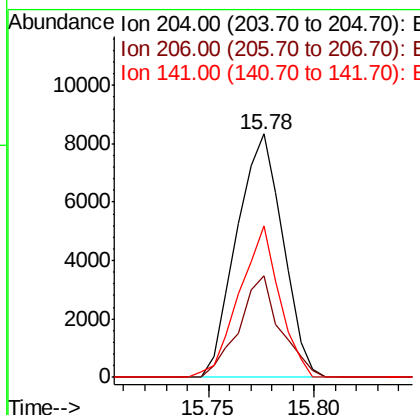
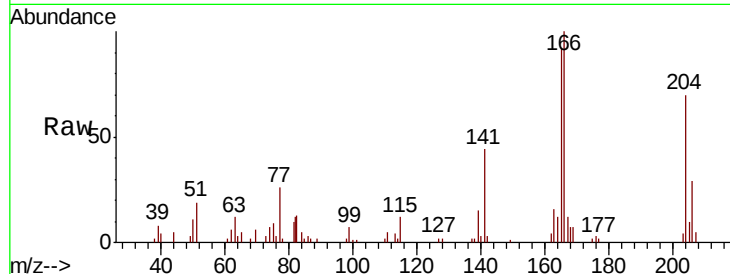




#61
4-Chlorophenyl-phenylether
Concen: 1.953 ng
RT: 15.78 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

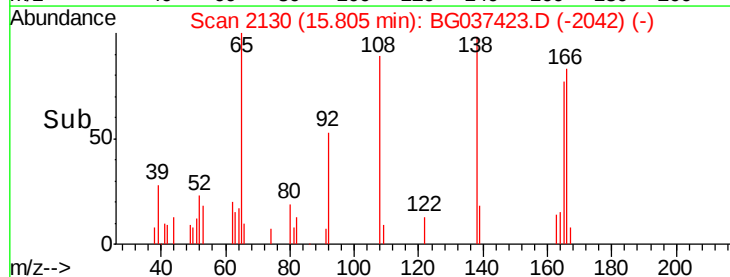
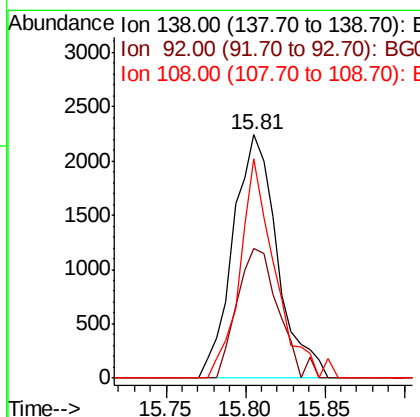
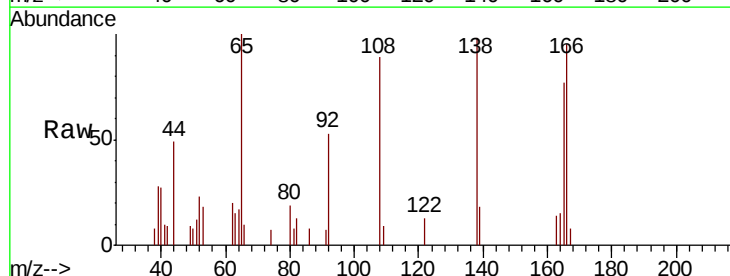
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

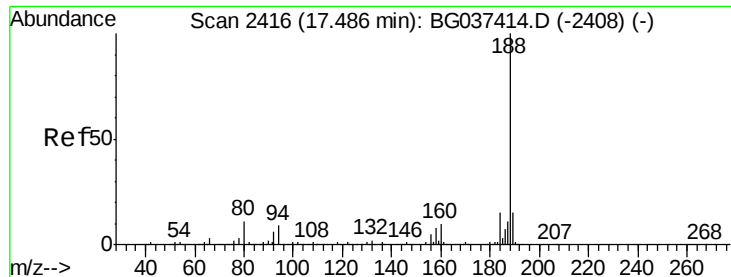
Tot Ion:204 Resp: 12652
Ion Ratio Lower Upper
204 100
206 41.6 26.6 39.8#
141 62.3 45.4 68.2



#62
4-Nitroaniline
Concen: 1.496 ng
RT: 15.81 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:138 Resp: 4359
Ion Ratio Lower Upper
138 100
92 53.5 36.4 76.4
108 90.1 60.1 100.1

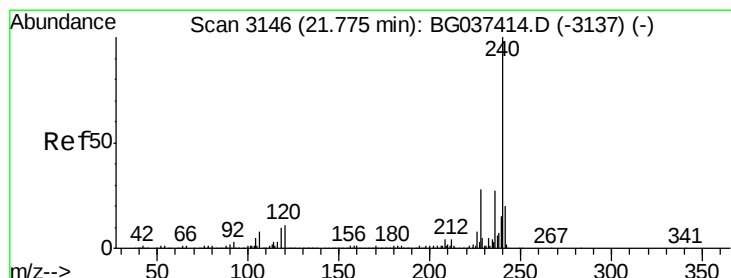
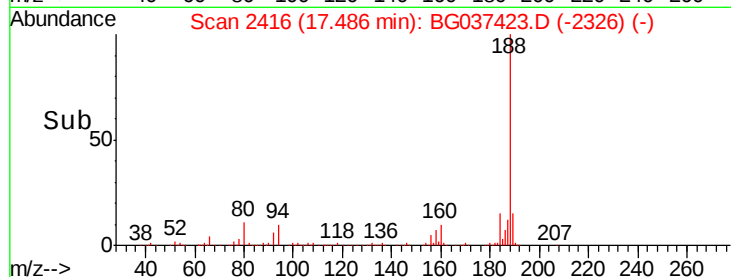
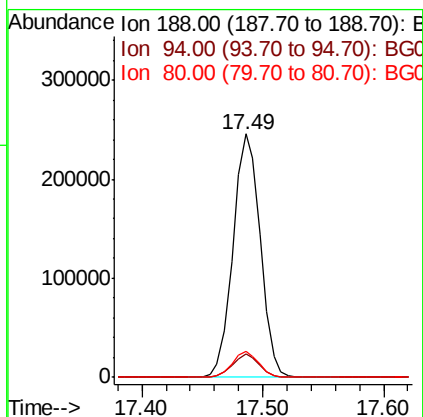
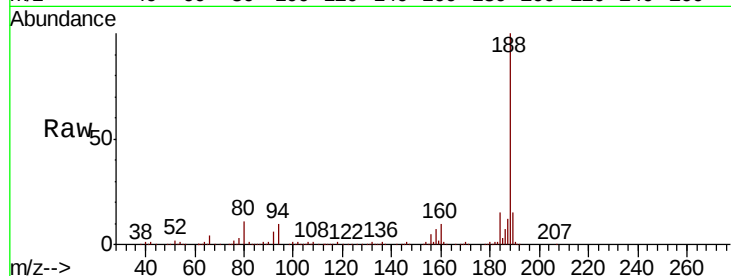




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

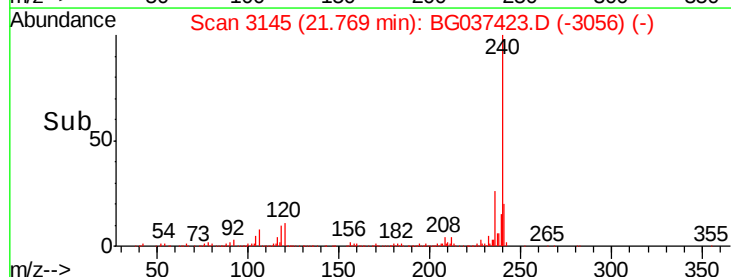
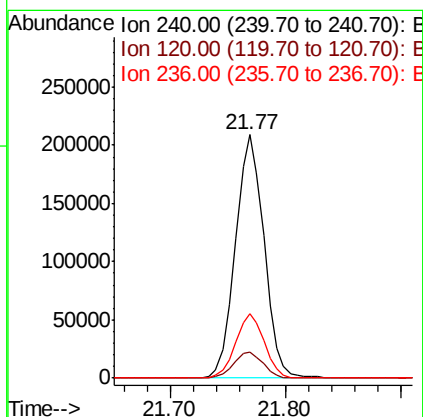
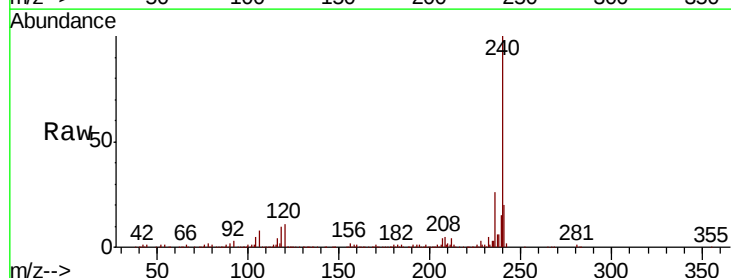
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

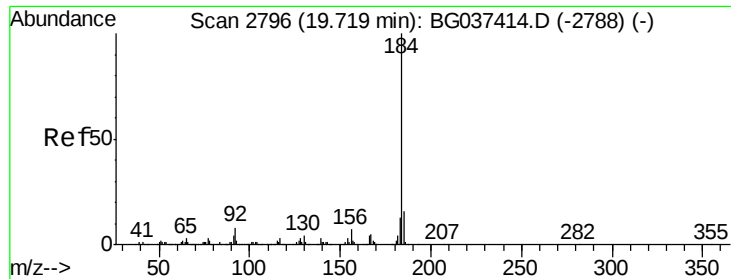
Tot Ion:188 Resp: 385297
Ion Ratio Lower Upper
188 100
94 9.8 7.2 10.8
80 10.6 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:240 Resp: 358446
Ion Ratio Lower Upper
240 100
120 10.9 8.1 12.1
236 26.5 21.4 32.0

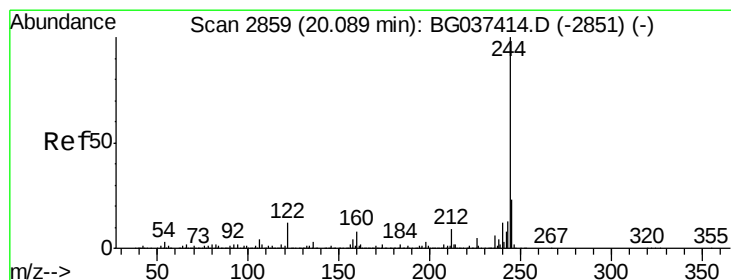
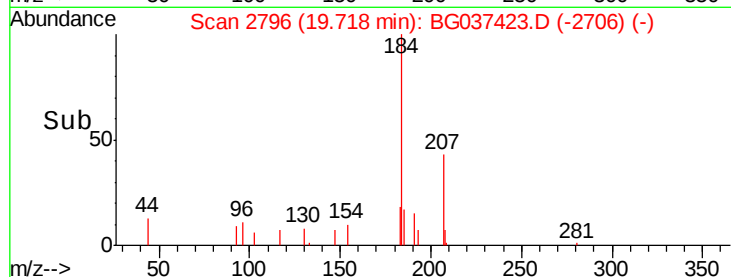
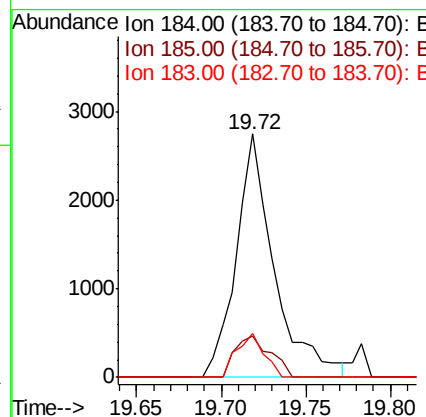
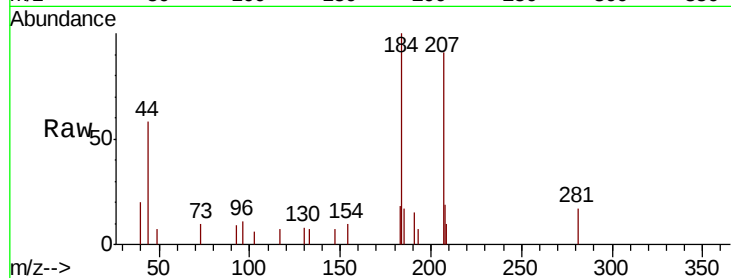




#77
Benzidine
Concen: 0.353 ng
RT: 19.72 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

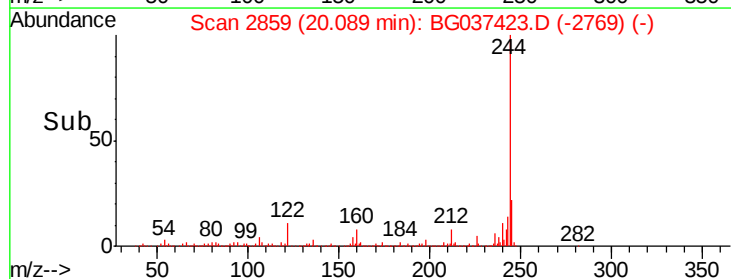
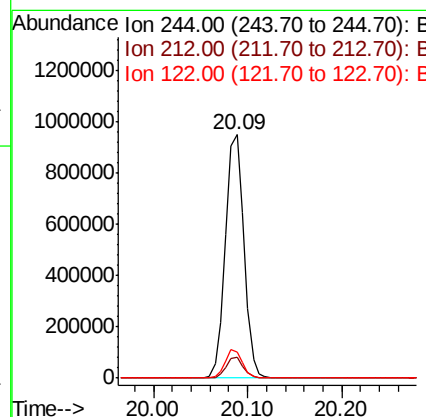
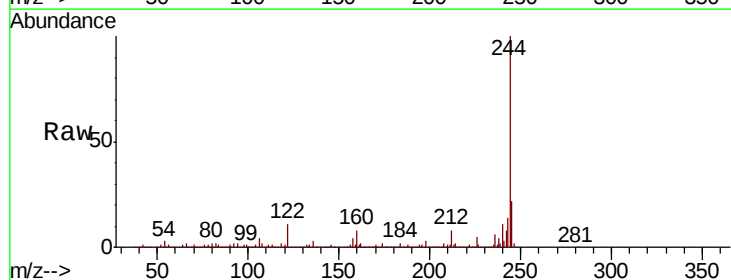
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

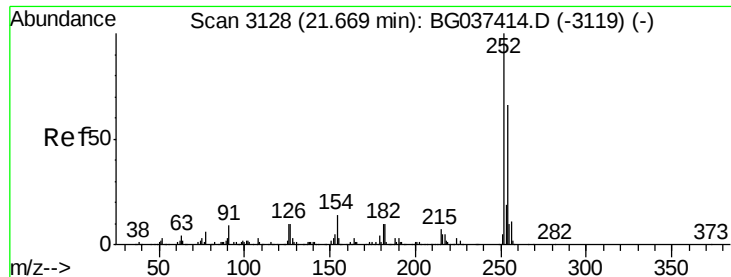
Tot Ion:184 Resp: 4302
Ion Ratio Lower Upper
184 100
185 16.8 12.6 18.8
183 17.9 10.2 15.2#



#79
Terphenyl-d14
Concen: 78.527 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:244 Resp: 1317310
Ion Ratio Lower Upper
244 100
212 8.4 6.5 9.7
122 10.8 9.0 13.4

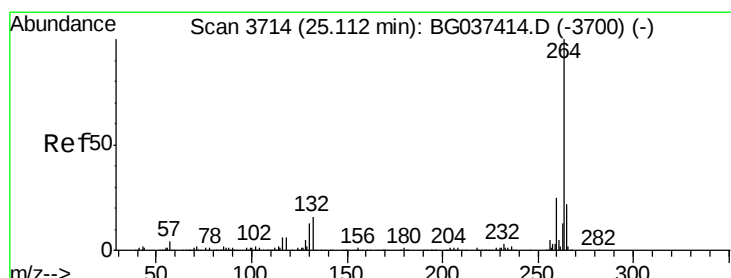
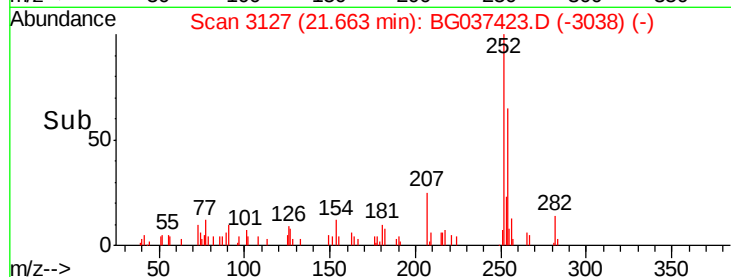
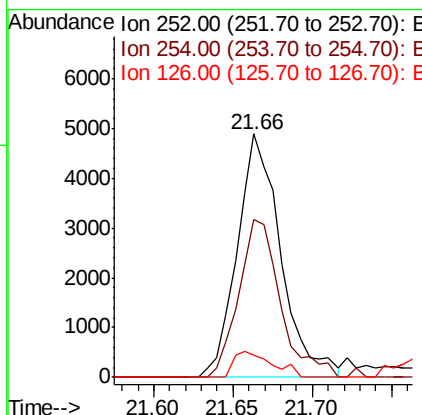
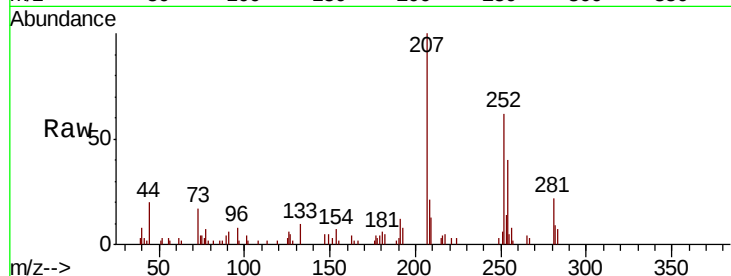




#82
 3,3'-Dichlorobenzidine
 Concen: 1.134 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tot Ion:252 Resp: 9316
 Ion Ratio Lower Upper
 252 100
 254 65.1 52.0 78.0
 126 9.1 8.2 12.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:264 Resp: 357615
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.2 27.4
 265 20.9 17.9 26.9

