

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037448.D
 Acq On : 19 Oct 2018 11:24
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 1PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 19 23:27:38 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	50287	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	233142	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	155854	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	385113	20.00	ng	0.00
76) Chrysene-d12	21.77	240	359834	20.00	ng	0.00
87) Perylene-d12	25.11	264	350533	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	399936	132.96	ng	0.00
7) Phenol-d6	7.24	99	598020	131.48	ng	0.00
23) Nitrobenzene-d5	9.28	82	348958	83.85	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	229562	135.05	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	864307	83.62	ng	0.00
79) Terphenyl-d14	20.09	244	1323264	78.58	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	2454	1.609	ng	# 77
3) Pyridine	3.97	79	3255	0.847	ng	# 66
4) n-Nitrosodimethylamine	3.84	42	59	0.043	ng	# 1
6) Aniline	7.43	93	3031	0.546	ng	94
8) 2-Chlorophenol	7.67	128	3469	0.986	ng	84
9) Benzaldehyde	7.24	77	3105	1.091	ng	# 69
10) Phenol	7.27	94	4699	0.979	ng	81
11) bis(2-Chloroethyl)ether	7.53	93	3513	0.964	ng	85
12) 1,3-Dichlorobenzene	8.14	146	3856	0.984	ng	89
13) 1,4-Dichlorobenzene	8.14	146	3856	0.962	ng	# 86
14) 1,2-Dichlorobenzene	8.14	146	3856	1.000	ng	89
15) Benzyl Alcohol	8.35	79	2755	0.820	ng	# 91
16) 2,2'-oxybis(1-Chloropropan	8.62	45	6492	0.995	ng	91
17) 2-Methylphenol	8.54	107	2980	0.939	ng	92
18) Hexachloroethane	9.20	117	1300	0.952	ng	# 33
19) n-Nitroso-di-n-propylamine	8.91	70	2882	0.920	ng	# 82
20) 3+4-Methylphenols	8.86	107	3973	0.876	ng	85
22) Acetophenone	8.94	105	5599	0.958	ng	# 92
24) Nitrobenzene	9.33	77	4566	1.056	ng	97
25) Isophorone	9.84	82	8109	1.066	ng	94
26) 2-Nitrophenol	10.03	139	1698	0.872	ng	97
27) 2,4-Dimethylphenol	10.08	122	3061	0.880	ng	# 76
28) bis(2-Chloroethoxy)methane	10.33	93	4732	0.950	ng	# 88
29) 2,4-Dichlorophenol	10.56	162	3496	0.903	ng	88
30) 1,2,4-Trichlorobenzene	10.78	180	3871	0.919	ng	89
31) Naphthalene	10.98	128	12381	1.081	ng	# 93
32) Benzoic acid	10.08	122	3061	1.355	ng	# 16
33) 4-Chloroaniline	11.09	127	3313	0.616	ng	# 88
34) Hexachlorobutadiene	11.25	225	2286	0.916	ng	# 75
35) Caprolactam	11.86	113	666	0.429	ng	# 56
36) 4-Chloro-3-methylphenol	12.18	107	3333	0.763	ng	# 89
37) 2-Methylnaphthalene	12.58	142	9364	1.122	ng	97
38) 1-Methylnaphthalene	12.80	142	8104	1.000	ng	# 91
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	5006	0.996	ng	96

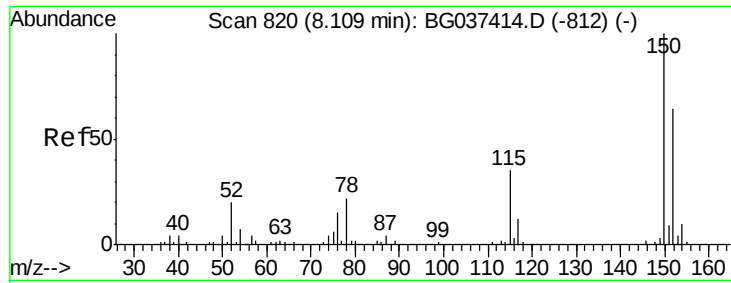
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037448.D
 Acq On : 19 Oct 2018 11:24
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 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	1961	0.817	ng	89
43) 2,4,6-Trichlorophenol	13.17	196	2705	0.805	ng	91
44) 2,4,5-Trichlorophenol	13.17	196	2705	0.740	ng	91
46) 1,1'-Biphenyl	13.58	154	13654	1.058	ng	98
47) 2-Chloronaphthalene	13.62	162	9768	1.000	ng	94
48) 2-Nitroaniline	13.82	65	2138	0.722	ng	99
49) Acenaphthylene	14.47	152	14071	0.958	ng	97
50) Dimethylphthalate	14.18	163	12519	1.038	ng	99
51) 2,6-Dinitrotoluene	14.31	165	1996	0.748	ng #	87
52) Acenaphthene	14.80	154	9857	1.090	ng	86
53) 3-Nitroaniline	14.65	138	1896	0.640	ng #	94
55) Dibenzofuran	15.13	168	16084	1.073	ng	91
56) 4-Nitrophenol	14.94	139	542	0.247	ng #	79
57) 2,4-Dinitrotoluene	15.09	165	2390	0.683	ng #	83
58) Fluorene	15.79	166	12977	1.156	ng #	91
59) 2,3,4,6-Tetrachlorophenol	15.36	232	2215	0.707	ng #	89
60) Diethylphthalate	15.54	149	12452	1.006	ng	99
61) 4-Chlorophenyl-phenylether	15.78	204	6350	0.971	ng	95
62) 4-Nitroaniline	15.81	138	1712	0.582	ng	87
63) Azobenzene	16.06	77	11613	0.983	ng	95
65) 4,6-Dinitro-2-methylphenol	16.22	198	1029	8.926	ng	82
66) n-Nitrosodiphenylamine	15.99	169	10301	0.889	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	3872	0.916	ng #	76
68) Hexachlorobenzene	16.78	284	4017	0.916	ng #	89
69) Atrazine	16.92	200	3740	0.893	ng	76
70) Pentachlorophenol	17.12	266	470	0.160	ng #	86
71) Phenanthrene	17.53	178	21656	1.106	ng	94
72) Anthracene	17.62	178	20460	1.065	ng	97
73) Carbazole	17.89	167	17214	0.896	ng	98
74) Di-n-butylphthalate	18.43	149	18981	0.888	ng #	99
75) Fluoranthene	19.53	202	21404	0.964	ng	98
77) Benzidine	19.72	184	2039	0.167	ng	97
78) Pyrene	19.89	202	23435	0.996	ng	96
80) Butylbenzylphthalate	20.77	149	7263	0.754	ng	92
81) Benzo(a)anthracene	21.75	228	22850	1.074	ng	92
82) 3,3'-Dichlorobenzidine	21.67	252	4330	0.525	ng #	97
83) Chrysene	21.82	228	21959	1.073	ng	94
84) Bis(2-ethylhexyl)phthalate	21.63	149	10416	0.772	ng #	91
85) Di-n-octyl phthalate	22.88	149	15105	0.686	ng #	74
86) Indeno(1,2,3-cd)pyrene	28.92	276	11409	0.520	ng #	78
88) Benzo(b)fluoranthene	24.10	252	20329	1.058	ng	98
89) Benzo(k)fluoranthene	24.10	252	20329	1.080	ng	99
90) Benzo(a)pyrene	24.95	252	18690	1.023	ng	97
91) Dibenzo(a,h)anthracene	29.00	278	6288	0.373	ng	95
92) Benzo(g,h,i)perylene	30.13	276	7721	0.453	ng	93

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

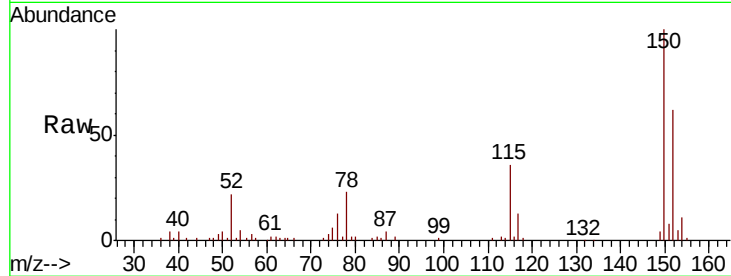


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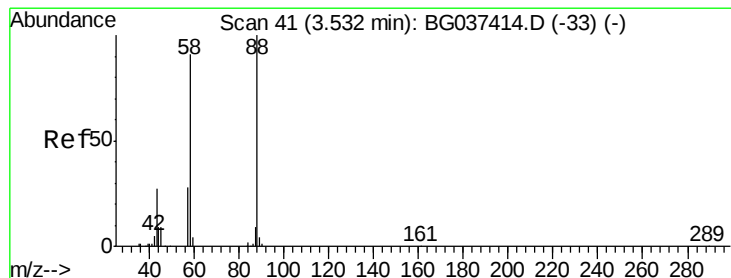
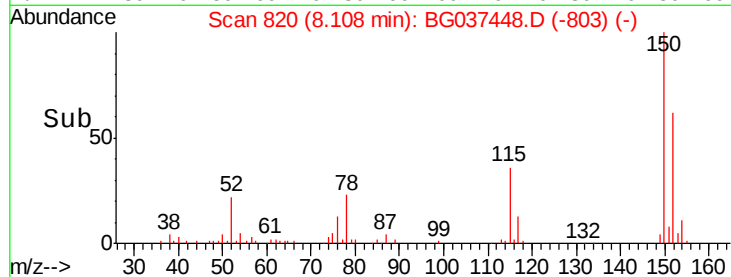
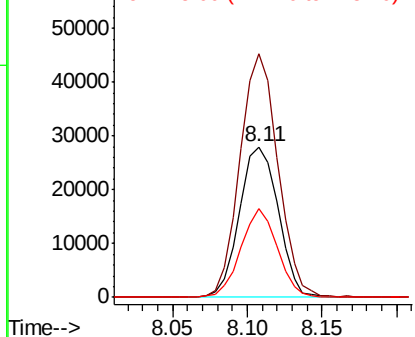
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

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

Tgt Ion:152 Resp: 50287
Ion Ratio Lower Upper
152 100
150 161.7 126.0 189.0
115 58.8 45.5 68.3



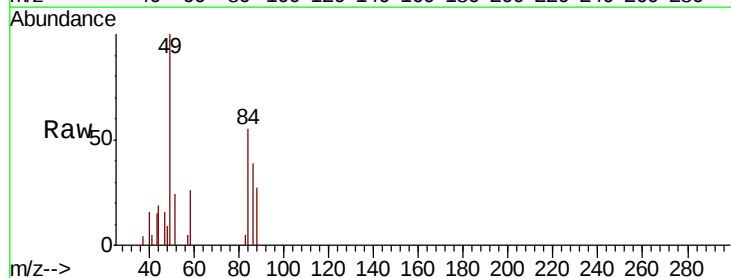
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



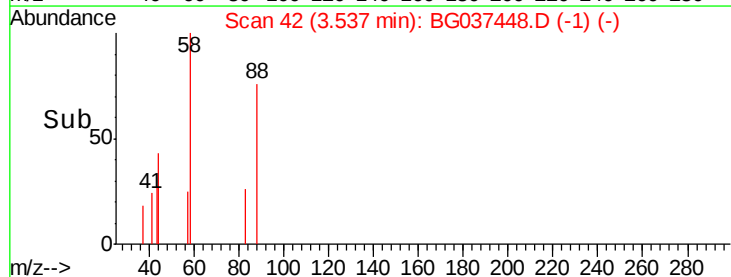
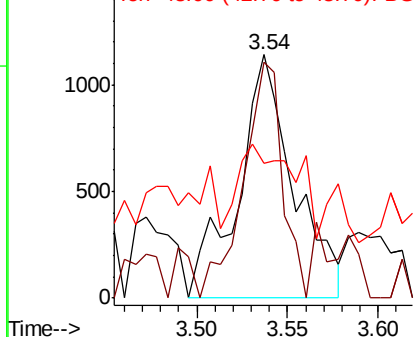
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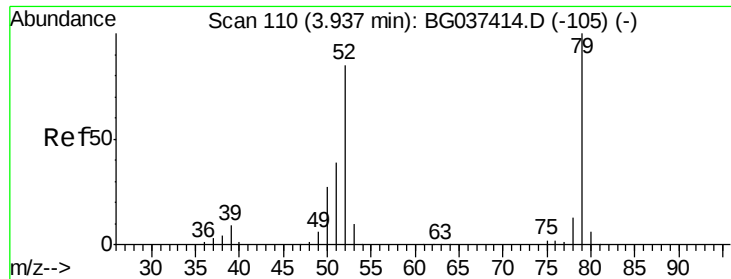
1,4-Dioxane
Concen: 1.609 ng
RT: 3.54 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion: 88 Resp: 2454
Ion Ratio Lower Upper
88 100
58 67.5 74.4 111.6#
43 39.0 25.8 38.8#



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: 0.847 ng

RT: 3.97 min Scan# 116

Delta R.T. 0.03 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

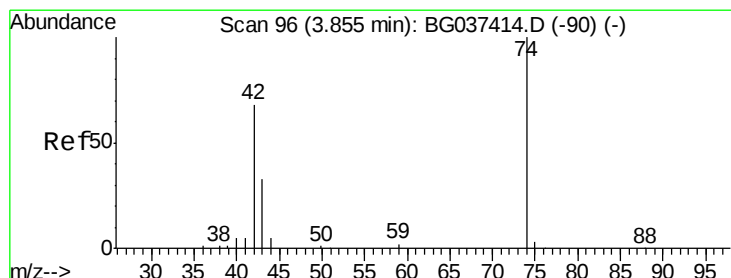
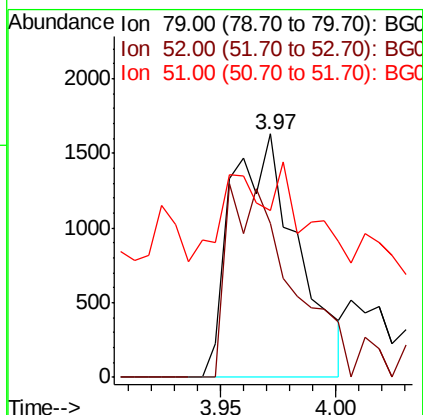
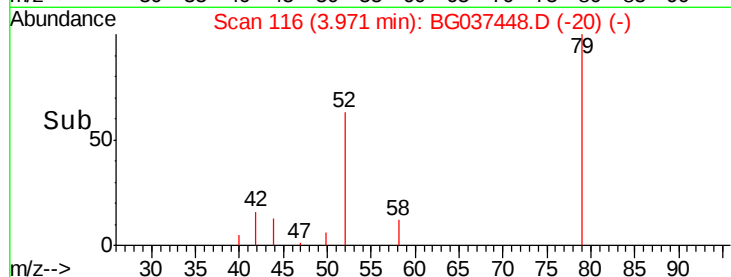
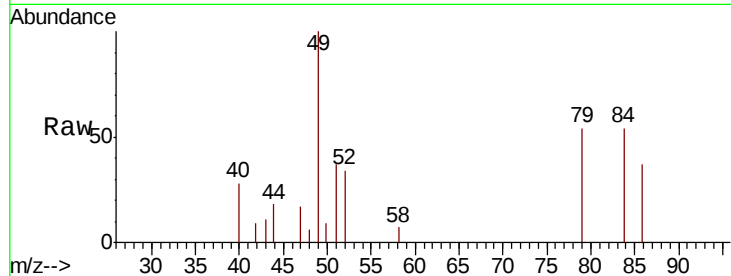
Tgt Ion: 79 Resp: 3255

Ion Ratio Lower Upper

79 100

52 63.0 74.2 111.2#

51 68.3 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 0.043 ng

RT: 3.84 min Scan# 93

Delta R.T. -0.02 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

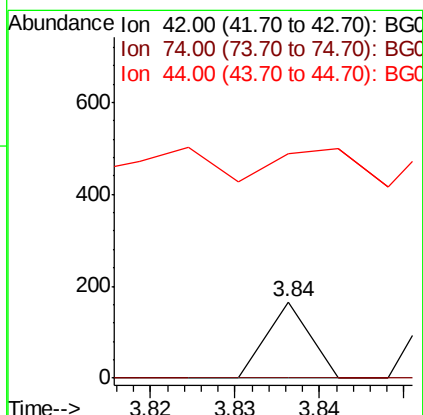
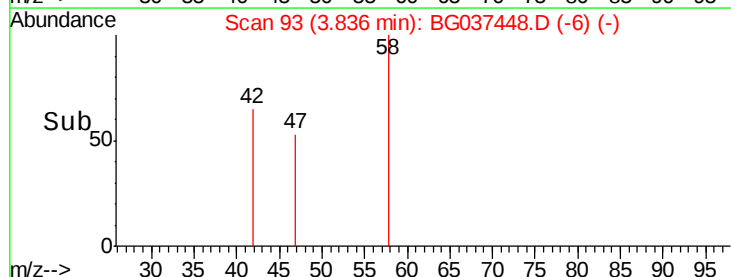
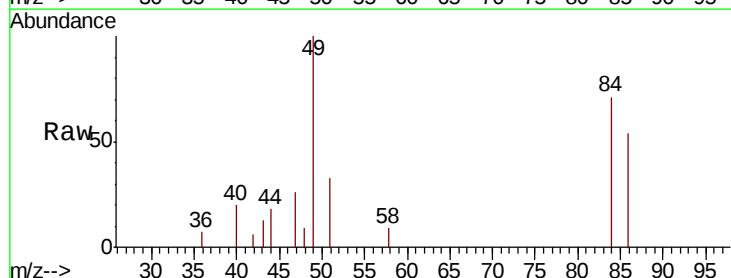
Tgt Ion: 42 Resp: 59

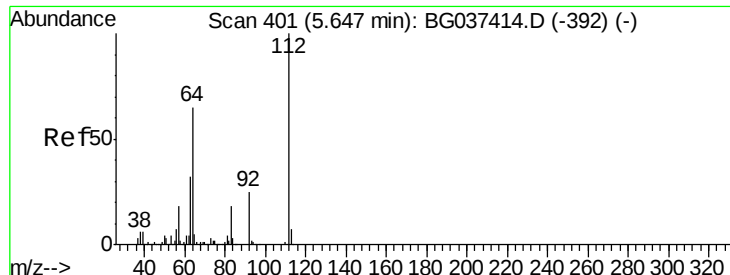
Ion Ratio Lower Upper

42 100

74 0.0 102.0 153.0#

44 294.6 9.6 14.4#





#5

2-Fluorophenol

Concen: 132.964 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

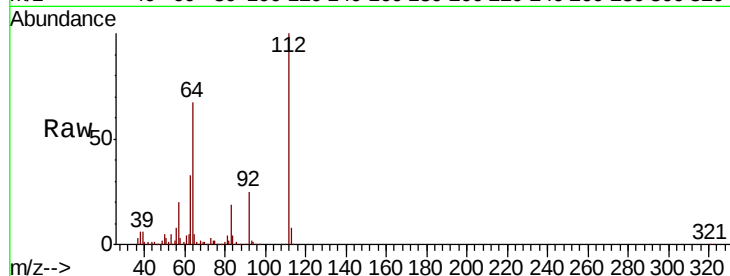
Tgt Ion: 112 Resp: 399936

Ion Ratio Lower Upper

112 100

64 66.7 53.1 79.7

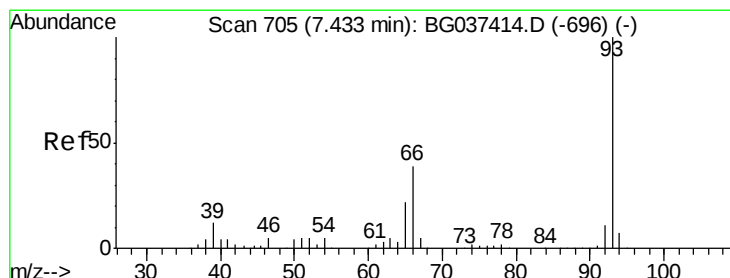
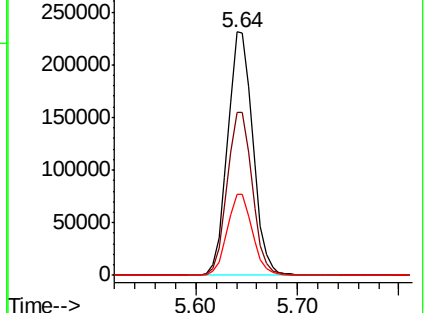
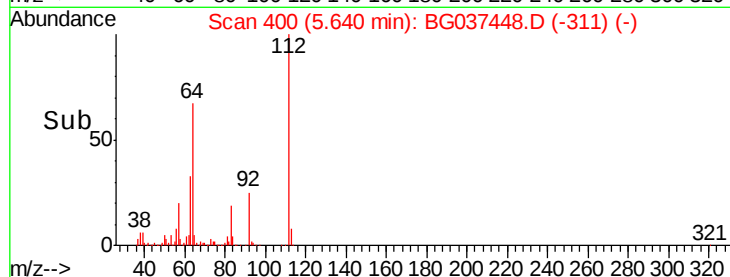
63 33.3 27.3 40.9



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



#6

Aniline

Concen: 0.546 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

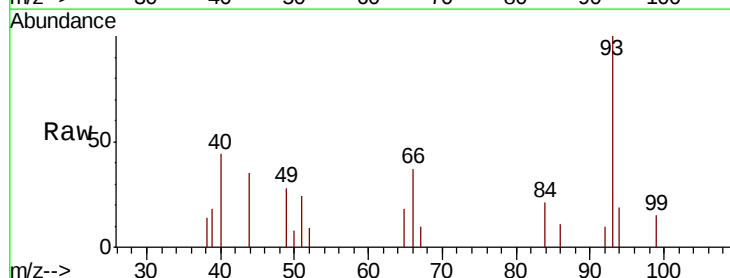
Tgt Ion: 93 Resp: 3031

Ion Ratio Lower Upper

93 100

66 37.4 32.8 49.2

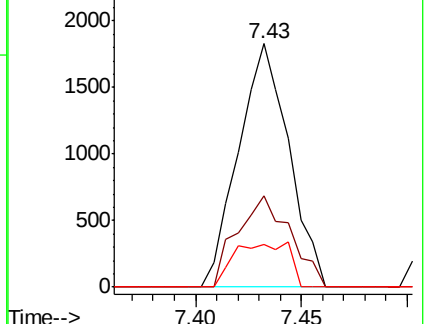
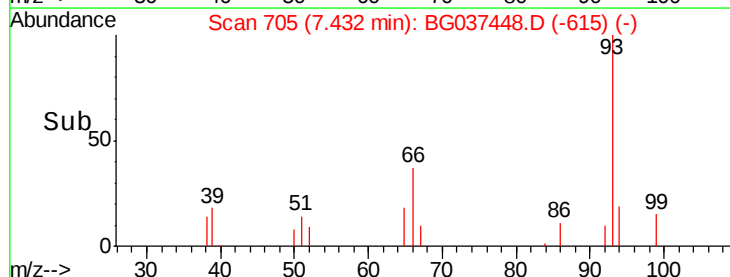
65 17.7 16.4 24.6

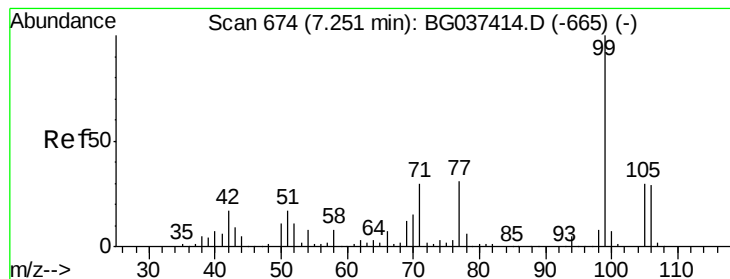


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 131.483 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

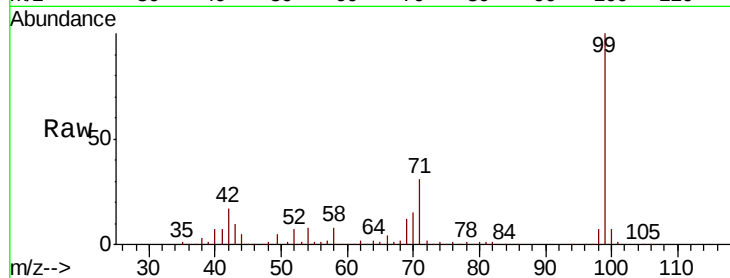
Tgt Ion: 99 Resp: 598020

Ion Ratio Lower Upper

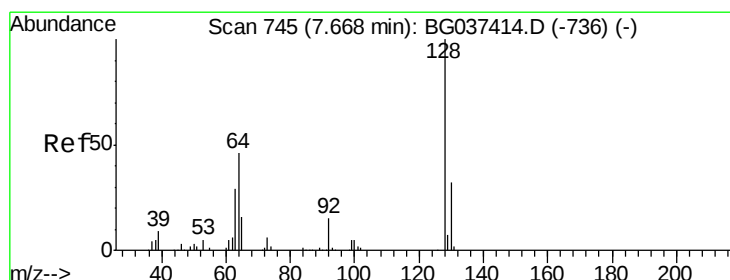
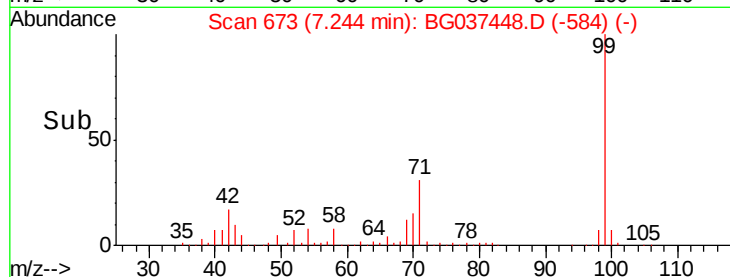
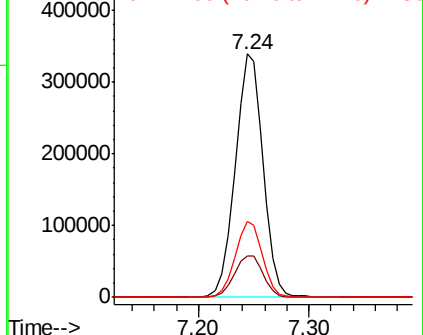
99 100

42 17.2 15.0 22.4

71 31.2 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



#8

2-Chlorophenol

Concen: 0.986 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

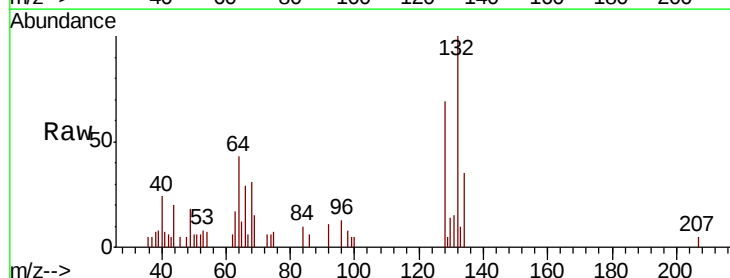
Tgt Ion: 128 Resp: 3469

Ion Ratio Lower Upper

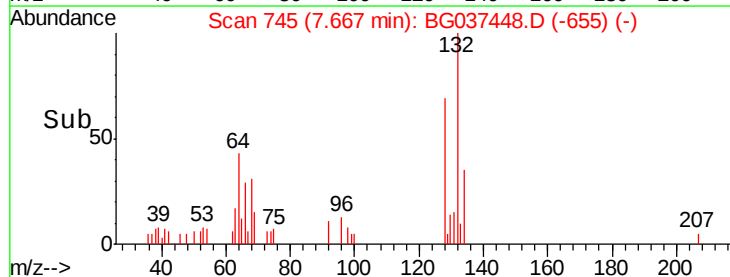
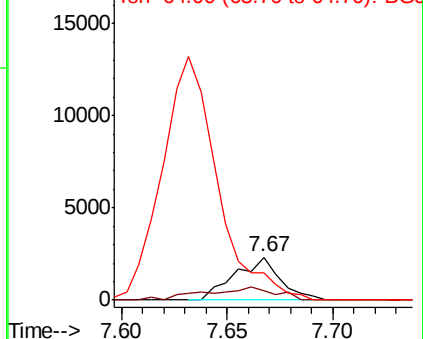
128 100

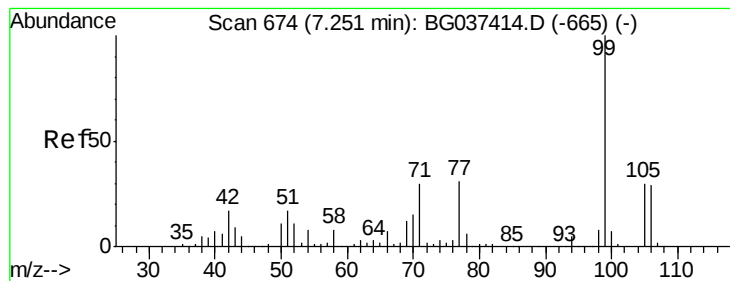
130 20.3 12.0 52.0

64 62.3 32.9 72.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 1.091 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

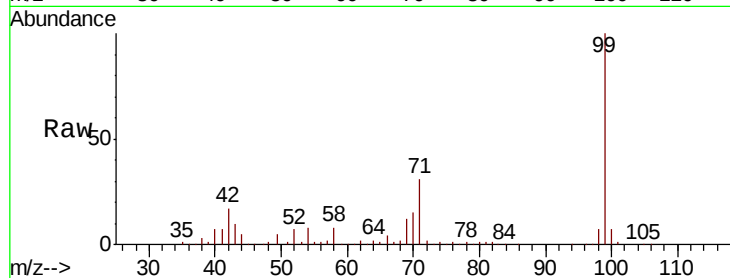
Tgt Ion: 77 Resp: 3105

Ion Ratio Lower Upper

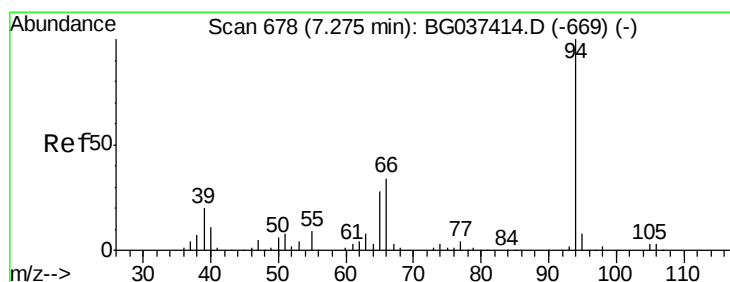
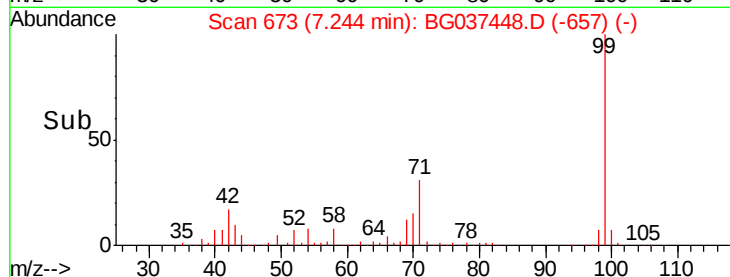
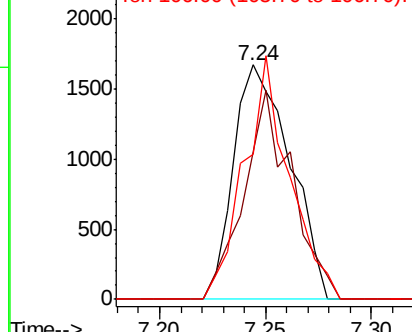
77 100

105 63.2 72.6 112.6#

106 62.1 71.3 111.3#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.979 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

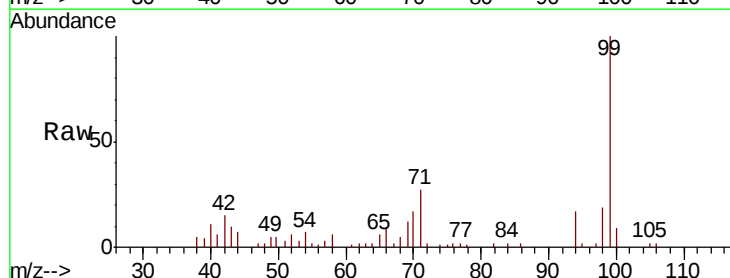
Tgt Ion: 94 Resp: 4699

Ion Ratio Lower Upper

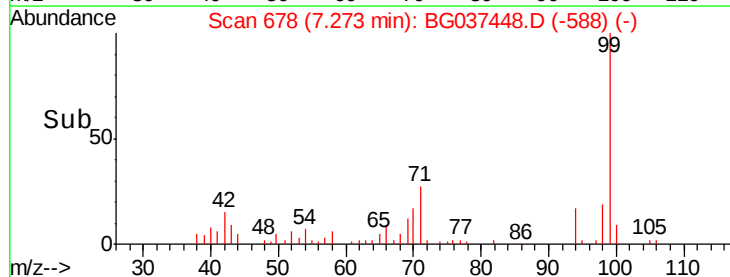
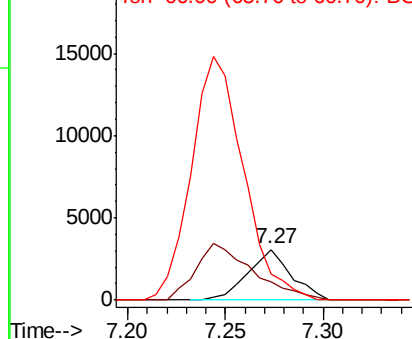
94 100

65 35.1 9.7 49.7

66 51.0 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

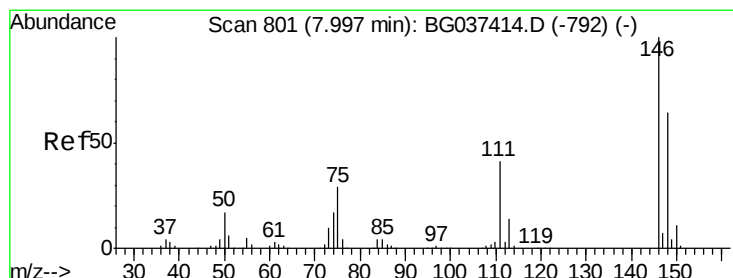
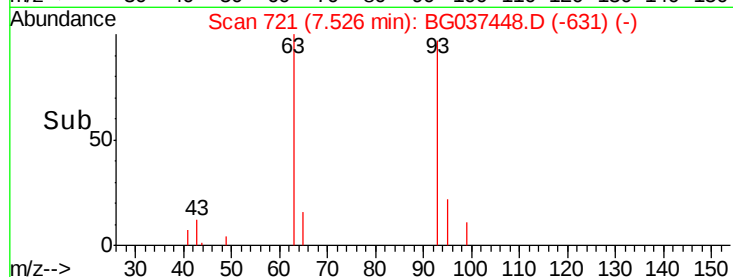
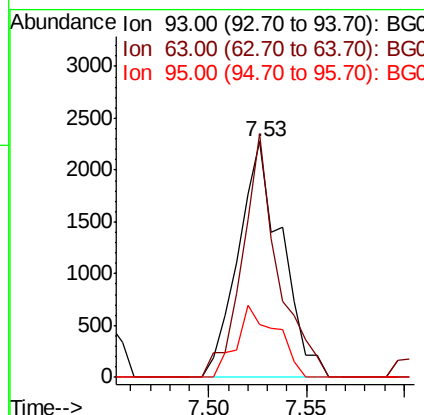
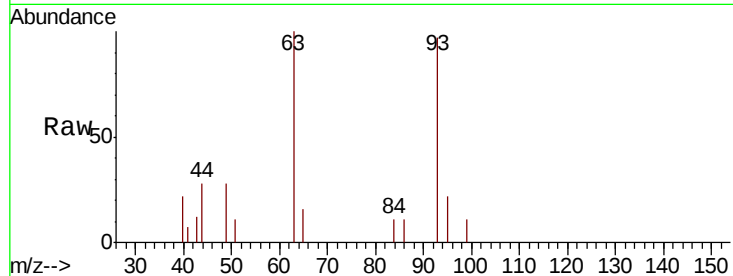




#11
 bis(2-Chloroethyl)ether
 Concen: 0.964 ng
 RT: 7.53 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

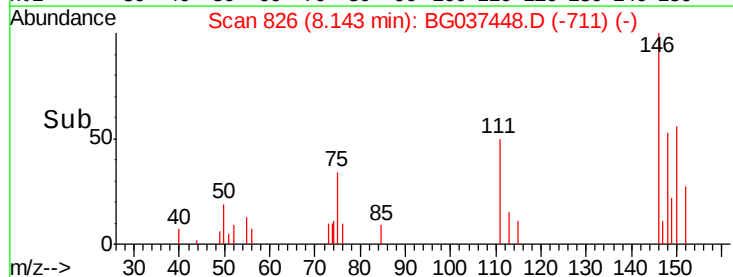
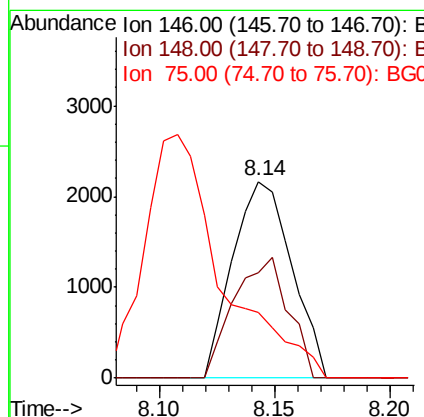
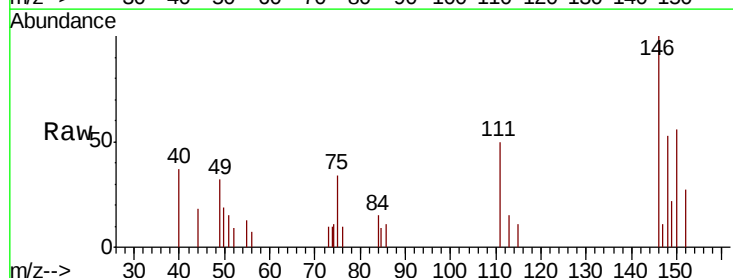
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

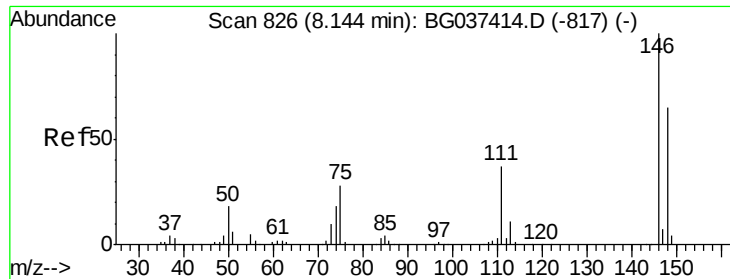
Tgt Ion: 93 Resp: 3513
 Ion Ratio Lower Upper
 93 100
 63 103.2 69.5 109.5
 95 22.5 12.6 52.6



#12
 1,3-Dichlorobenzene
 Concen: 0.984 ng
 RT: 8.14 min Scan# 826
 Delta R.T. 0.15 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion: 146 Resp: 3856
 Ion Ratio Lower Upper
 146 100
 148 53.5 49.8 74.8
 75 33.5 23.2 34.8

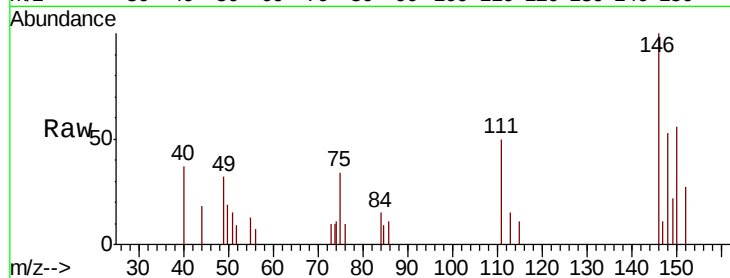




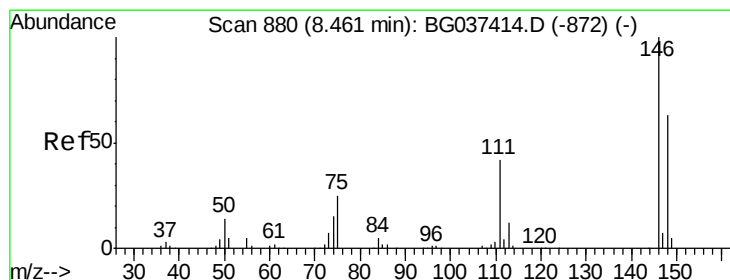
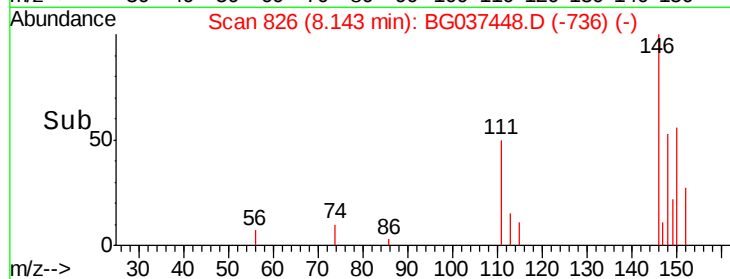
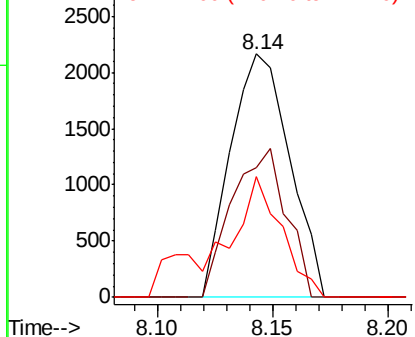
#13
 1,4-Dichlorobenzene
 Concen: 0.962 ng
 RT: 8.14 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

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

Tgt Ion:146 Resp: 3856
 Ion Ratio Lower Upper
 146 100
 148 53.5 51.0 76.6
 111 49.8 32.4 48.6#

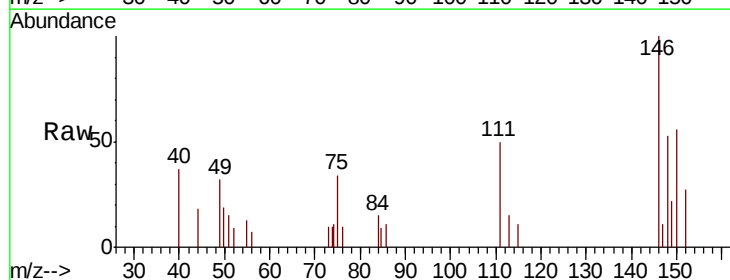


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

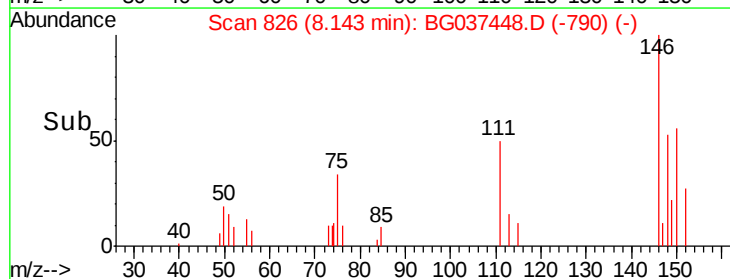
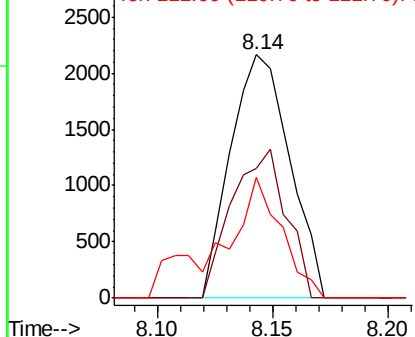


#14
 1,2-Dichlorobenzene
 Concen: 1.000 ng
 RT: 8.14 min Scan# 826
 Delta R.T. -0.32 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion:146 Resp: 3856
 Ion Ratio Lower Upper
 146 100
 148 53.5 50.4 75.6
 111 49.8 34.6 51.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 0.820 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

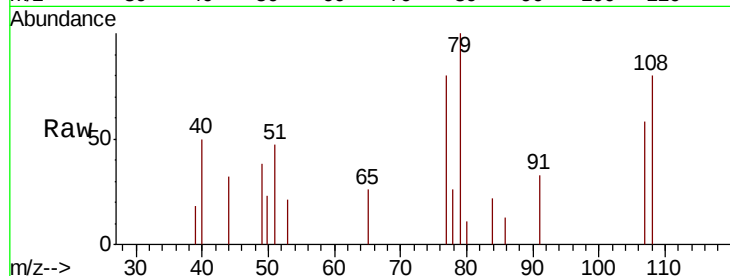
Tgt Ion: 79 Resp: 2755

Ion Ratio Lower Upper

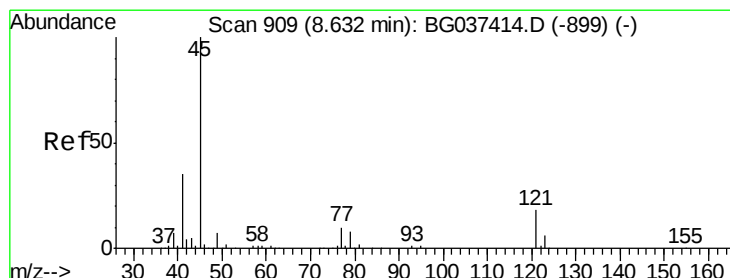
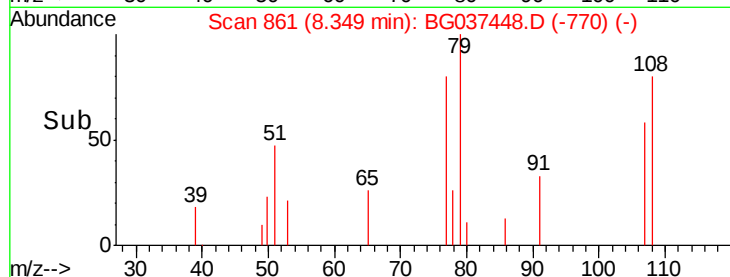
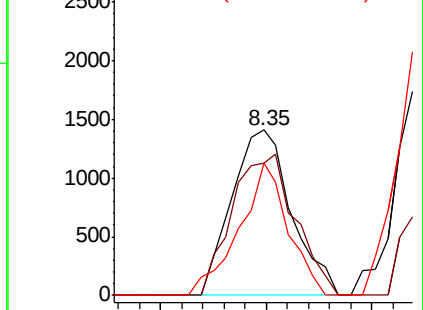
79 100

108 80.2 65.8 98.8

77 80.0 52.9 79.3#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.995 ng

RT: 8.62 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

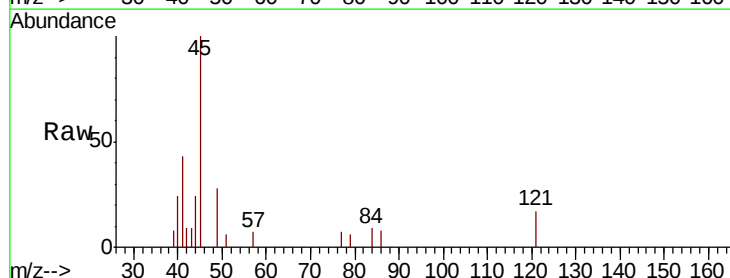
Tgt Ion: 45 Resp: 6492

Ion Ratio Lower Upper

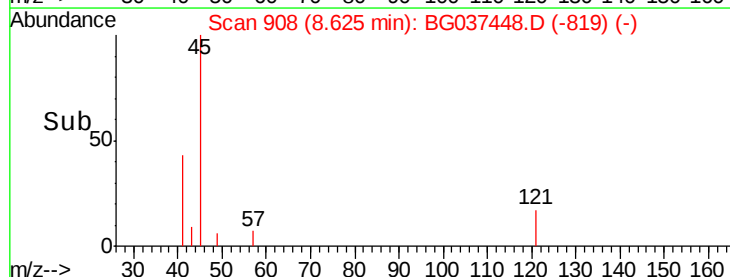
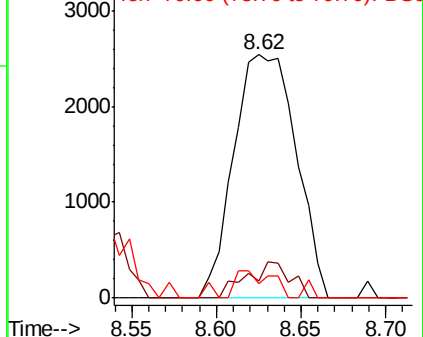
45 100

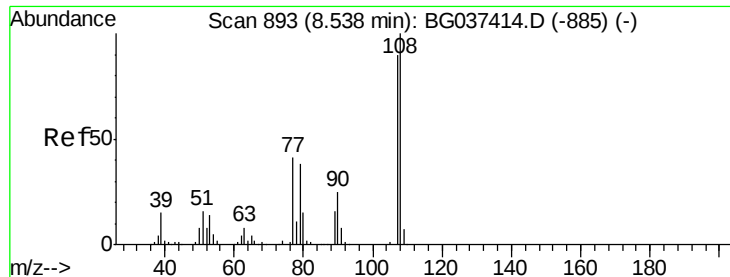
77 6.8 0.0 30.0

79 5.9 0.0 29.0



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

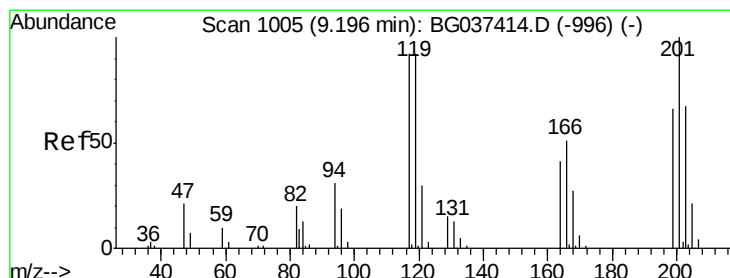
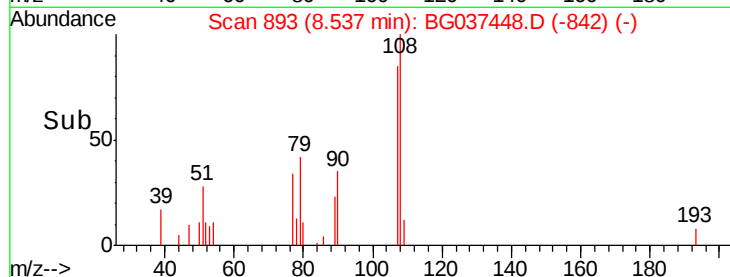
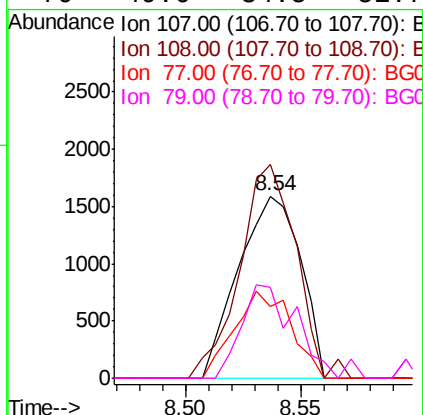
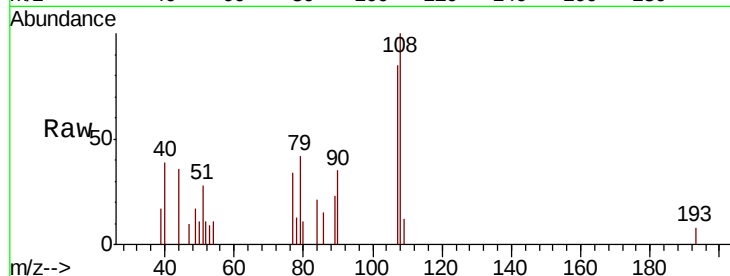




#17
2-Methylphenol
Concen: 0.939 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

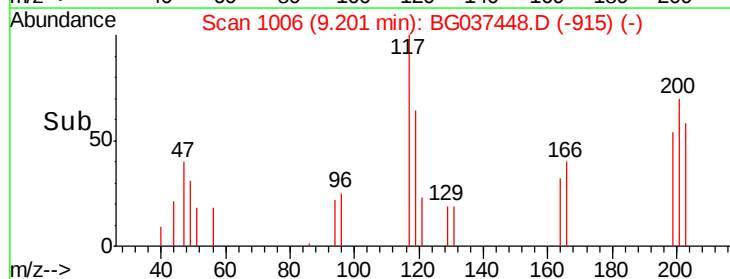
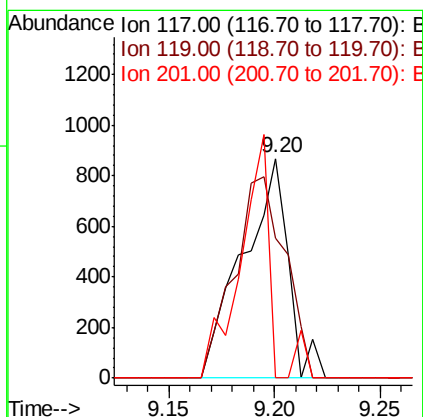
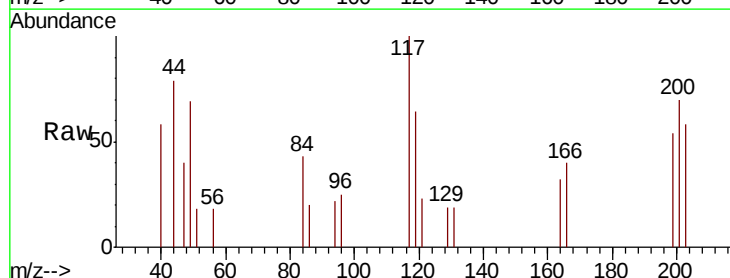
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

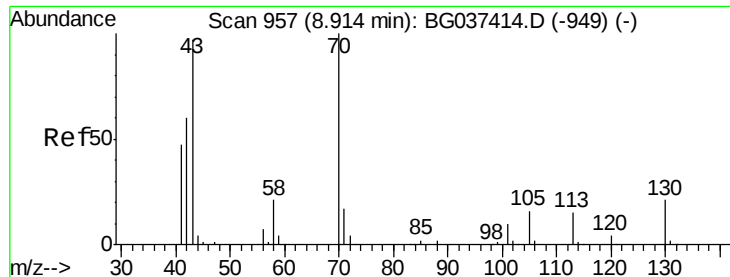
Tgt Ion:	107	Resp:	2980
Ion	Ratio	Lower	Upper
107	100		
108	117.2	87.9	131.9
77	39.7	35.1	52.7
79	49.6	34.5	51.7



#18
Hexachloroethane
Concen: 0.952 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:	117	Resp:	1300
Ion	Ratio	Lower	Upper
117	100		
119	63.5	74.6	111.8#
201	0.0	80.8	121.2#

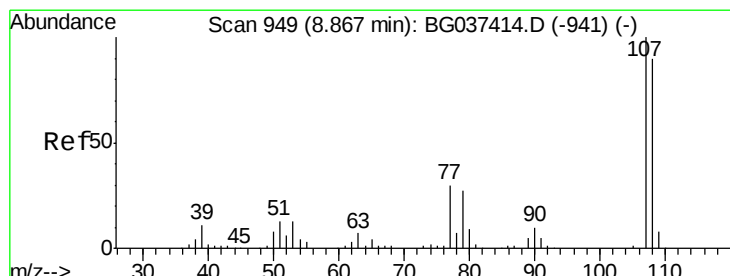
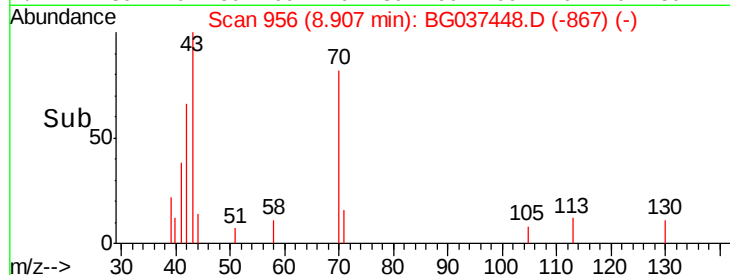
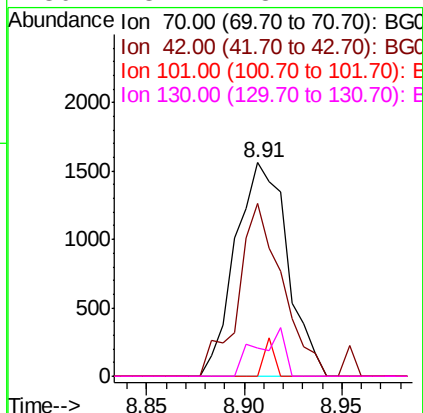
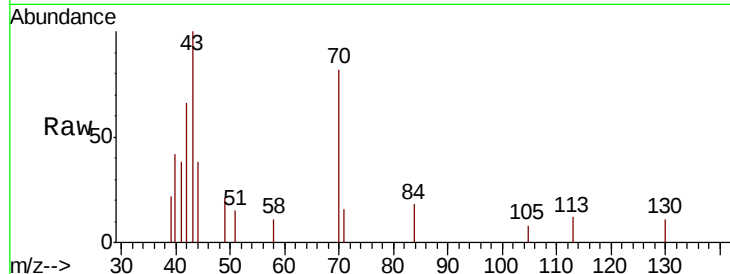




#19
n-Nitroso-di-n-propylamine
Concen: 0.920 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

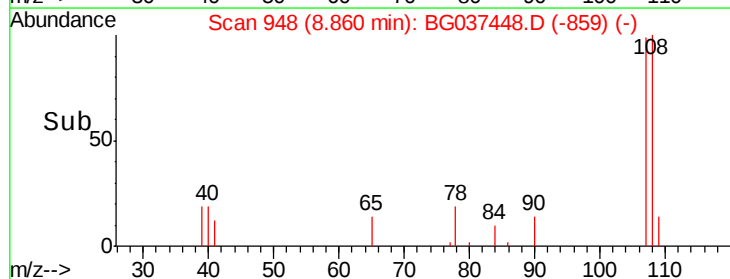
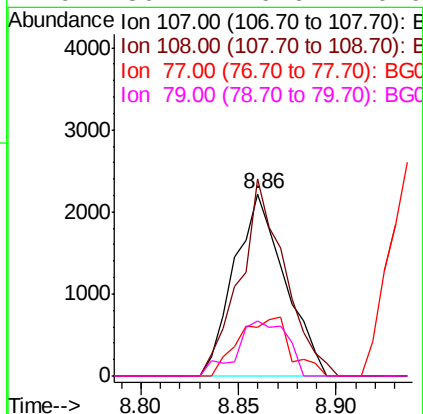
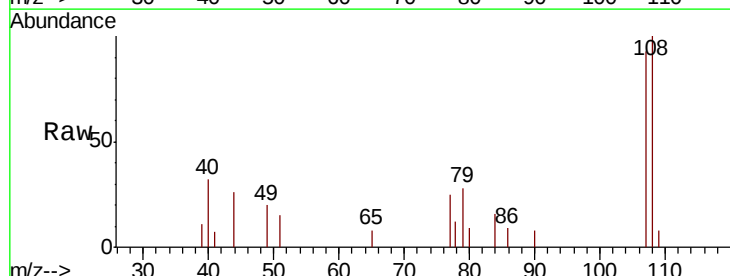
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

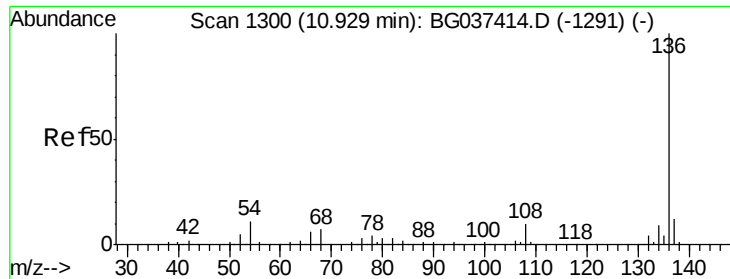
Tgt Ion: 70 Resp: 2882
Ion Ratio Lower Upper
70 100
42 80.7 53.9 80.9
101 0.0 8.2 12.2#
130 13.2 18.2 27.4#



#20
3+4-Methylphenols
Concen: 0.876 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion: 107 Resp: 3973
Ion Ratio Lower Upper
107 100
108 108.0 69.9 109.9
77 26.8 11.2 51.2
79 30.4 6.6 46.6

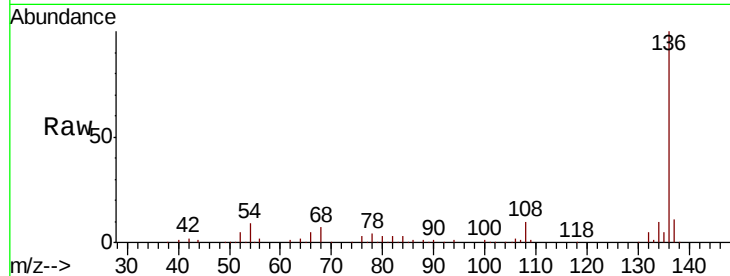




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

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

Tgt Ion:	136	Resp:	233142
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	9.4	7.9	11.9
68	7.4	4.8	7.2#



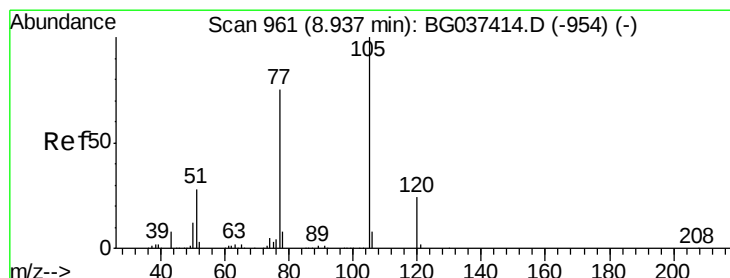
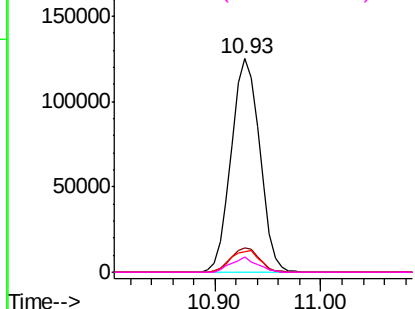
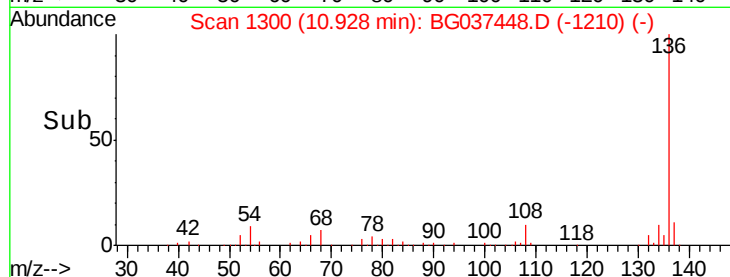
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

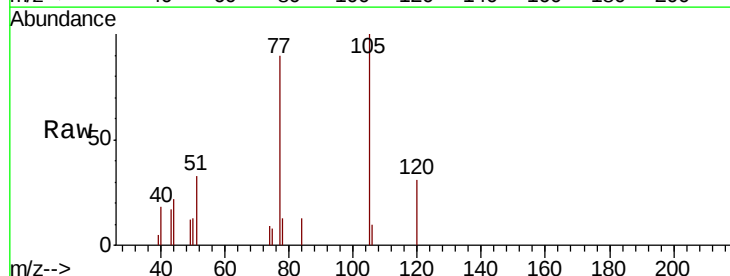
Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#22
Acetophenone
Concen: 0.958 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:	105	Resp:	5599
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	32.9	25.0	37.6
120	30.6	18.6	28.0#



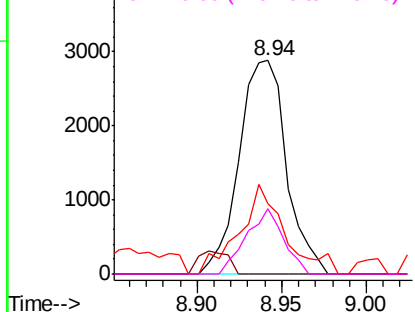
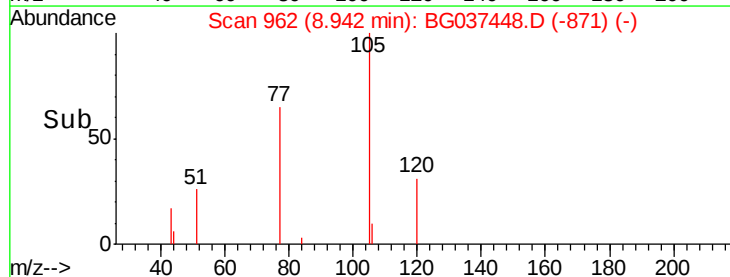
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E

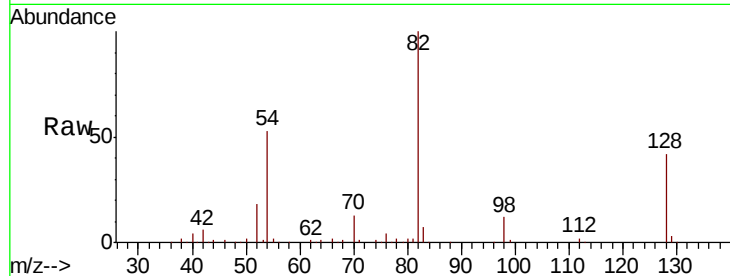




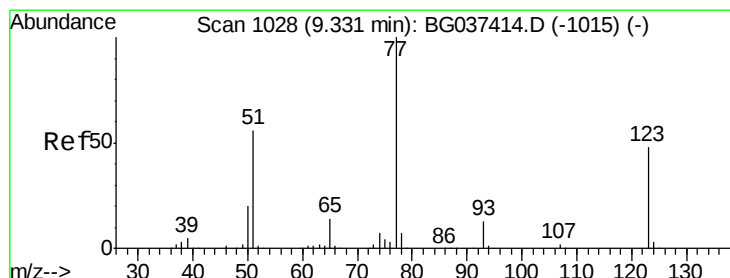
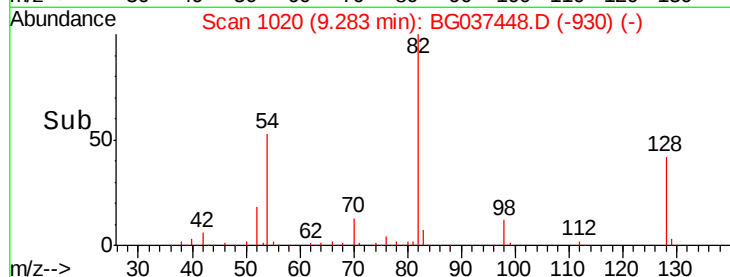
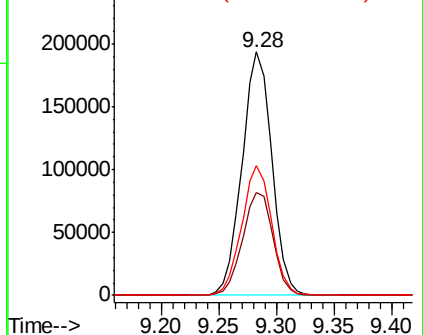
#23
 Nitrobenzene-d5
 Concen: 83.847 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

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

Tgt Ion: 82 Resp: 348958
 Ion Ratio Lower Upper
 82 100
 128 42.4 34.6 51.8
 54 53.3 45.3 67.9

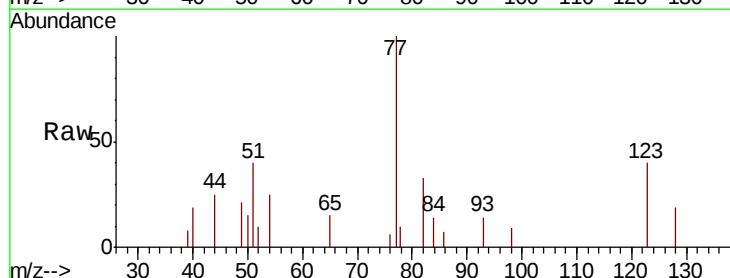


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

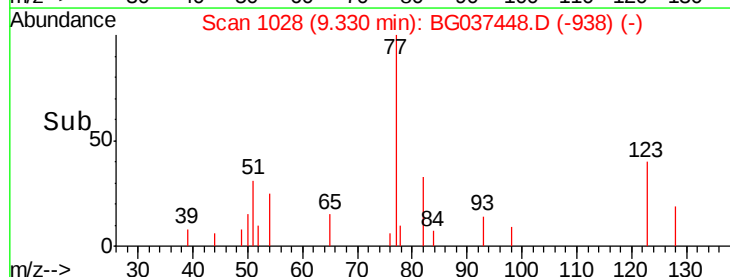
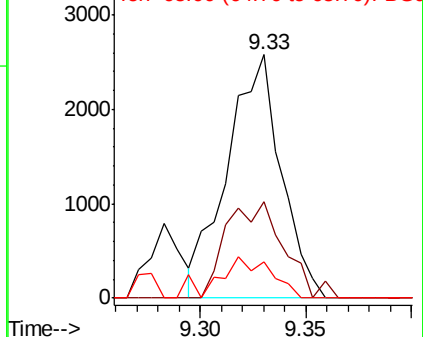


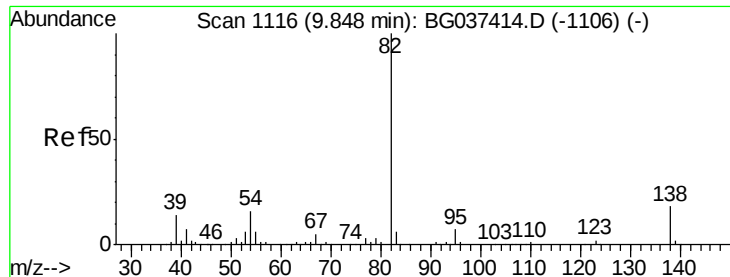
#24
 Nitrobenzene
 Concen: 1.056 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion: 77 Resp: 4566
 Ion Ratio Lower Upper
 77 100
 123 39.9 33.6 50.4
 65 15.1 11.3 16.9



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 1.066 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

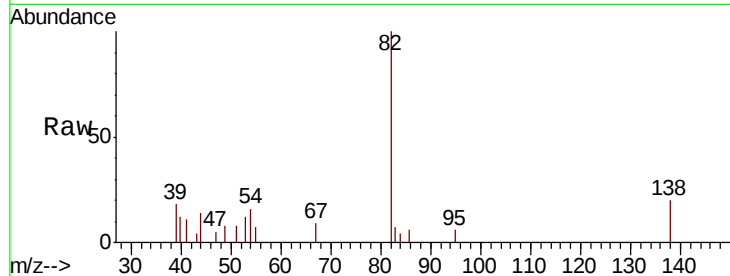
Tgt Ion: 82 Resp: 8109

Ion Ratio Lower Upper

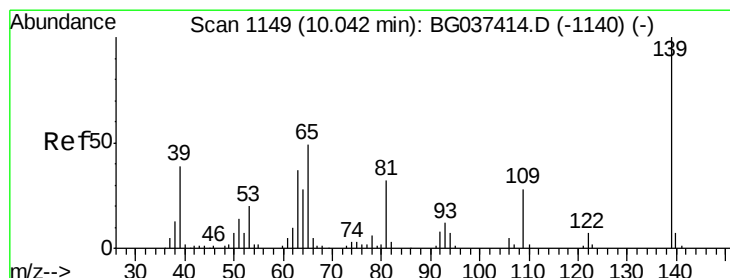
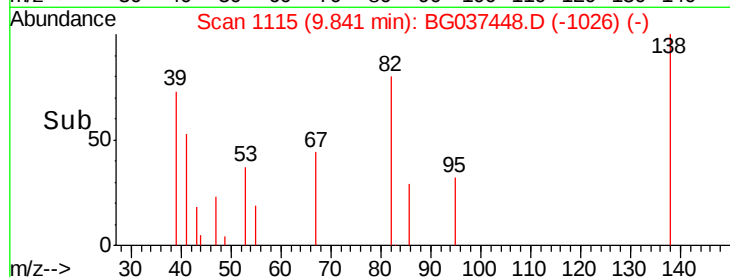
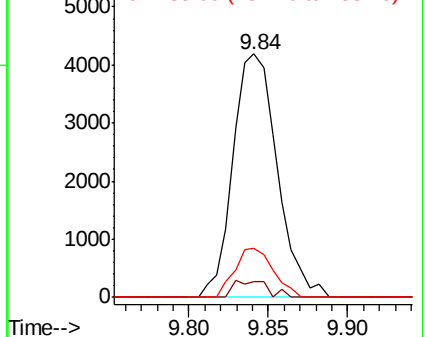
82 100

95 6.4 5.3 7.9

138 19.9 13.3 19.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 0.872 ng

RT: 10.03 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

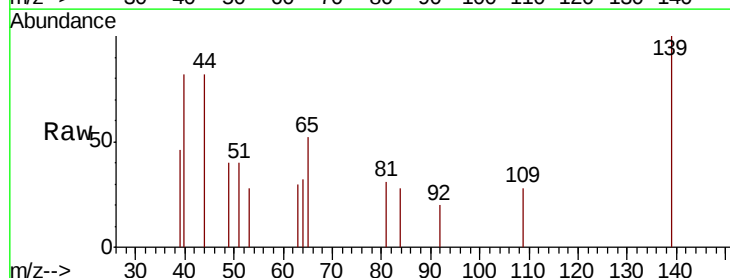
Tgt Ion: 139 Resp: 1698

Ion Ratio Lower Upper

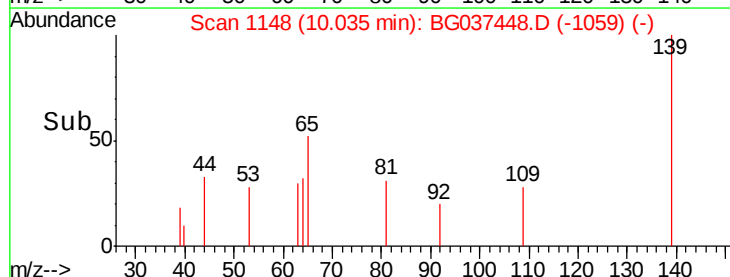
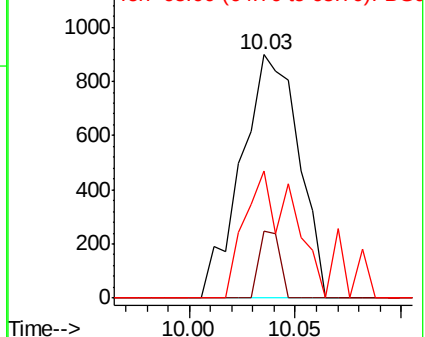
139 100

109 27.7 23.3 34.9

65 52.4 39.8 59.8



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

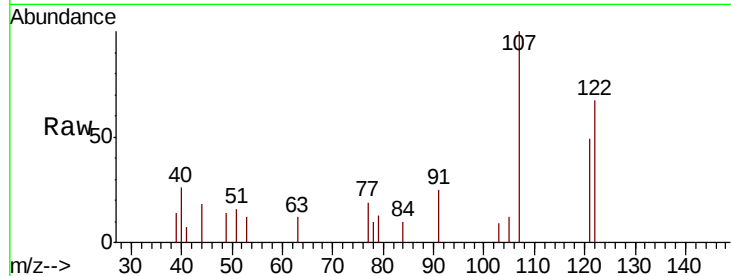




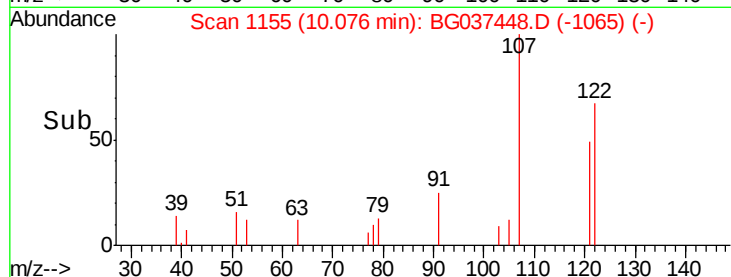
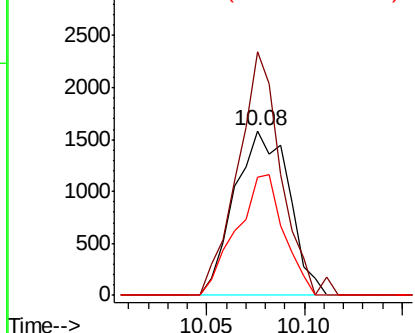
#27
 2,4-Dimethylphenol
 Concen: 0.880 ng
 RT: 10.08 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

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

Tgt Ion: 122 Resp: 3061
 Ion Ratio Lower Upper
 122 100
 107 148.2 94.2 141.2#
 121 72.1 47.3 70.9#

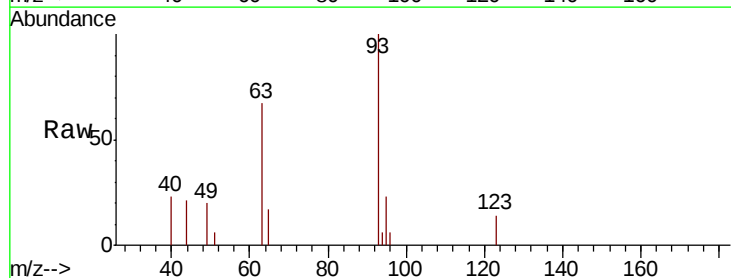


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

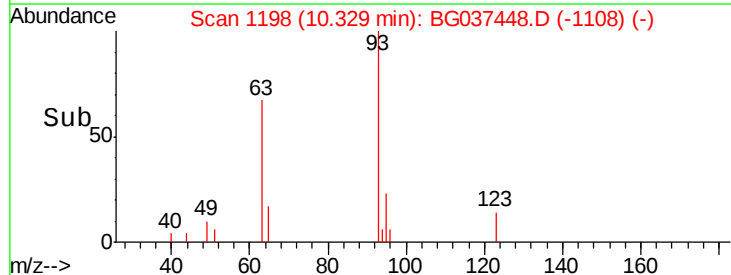
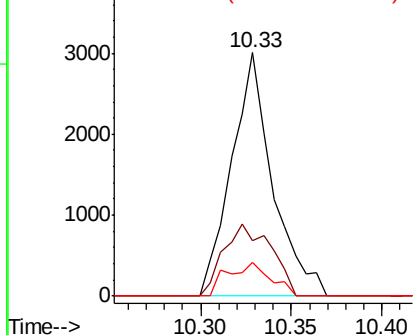


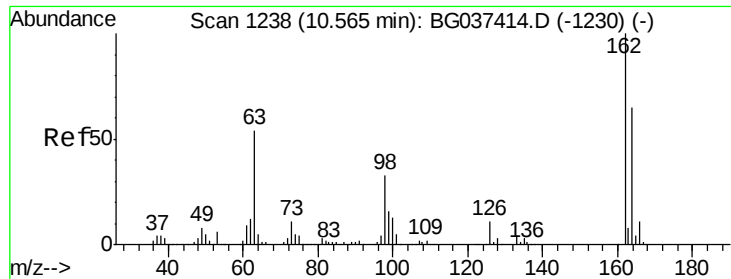
#28
 bis(2-Chloroethoxy)methane
 Concen: 0.950 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion: 93 Resp: 4732
 Ion Ratio Lower Upper
 93 100
 95 23.0 24.6 37.0#
 123 13.7 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): E

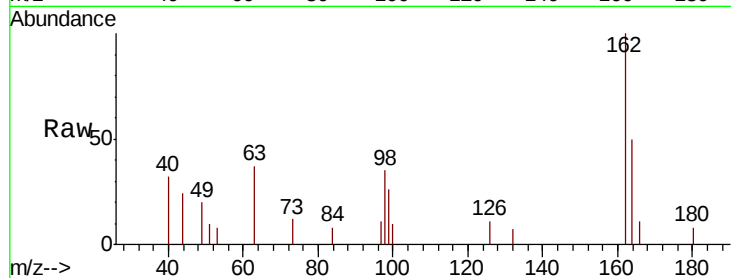




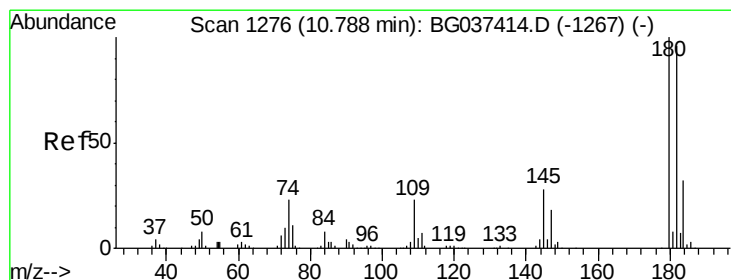
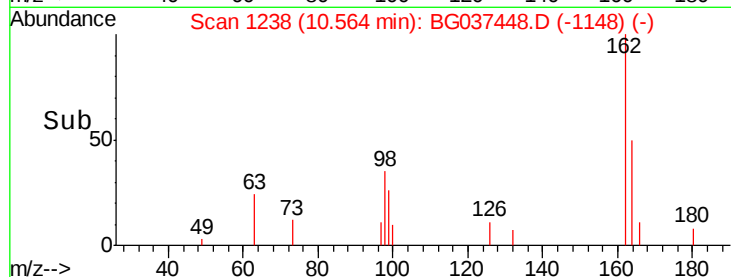
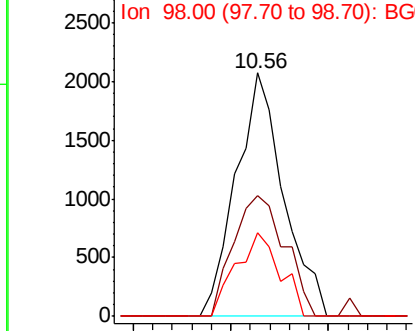
#29
2,4-Dichlorophenol
Concen: 0.903 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

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

Tgt Ion:162 Resp: 3496
Ion Ratio Lower Upper
162 100
164 49.8 43.2 83.2
98 34.5 16.0 56.0

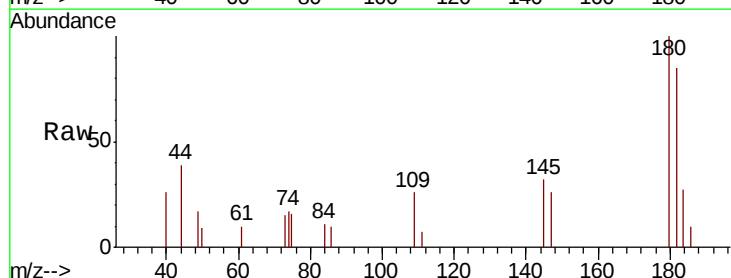


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

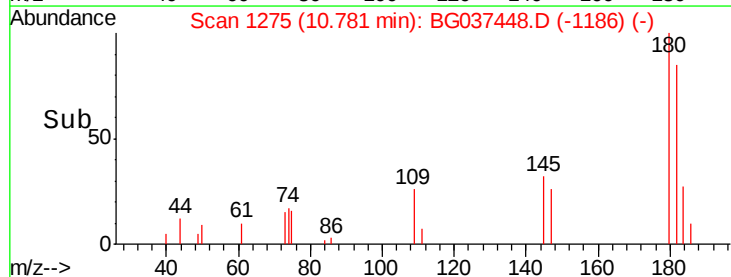
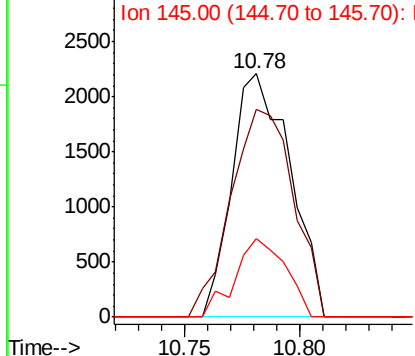


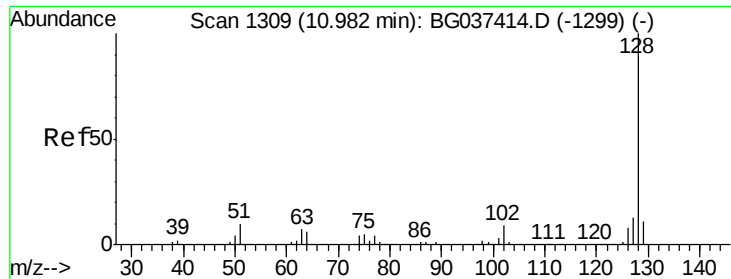
#30
1,2,4-Trichlorobenzene
Concen: 0.919 ng
RT: 10.78 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:180 Resp: 3871
Ion Ratio Lower Upper
180 100
182 85.1 77.7 116.5
145 32.1 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

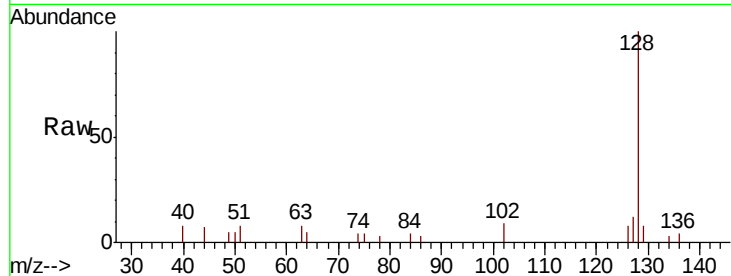




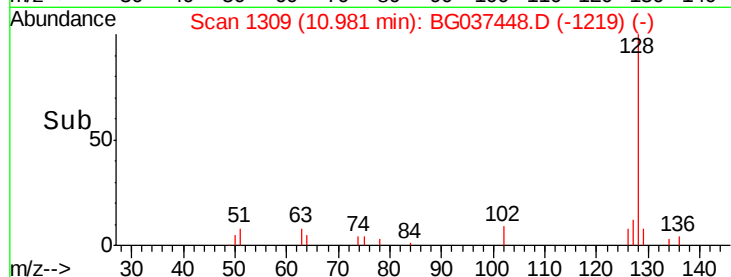
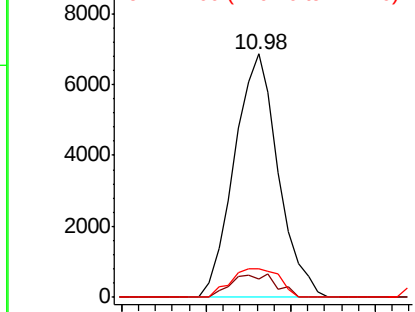
#31
Naphthalene
Concen: 1.081 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

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

Tgt Ion:128 Resp: 12381
Ion Ratio Lower Upper
128 100
129 7.7 9.0 13.6#
127 11.6 11.1 16.7

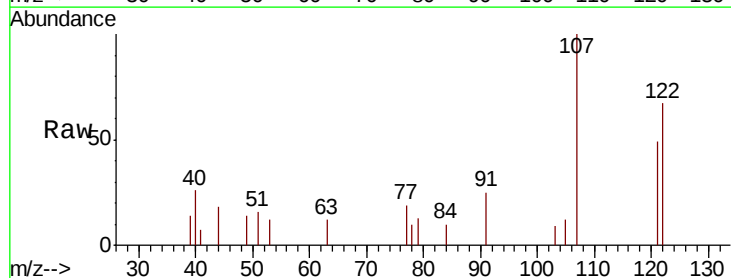


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

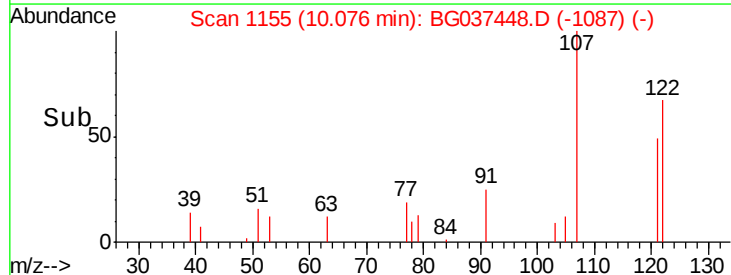
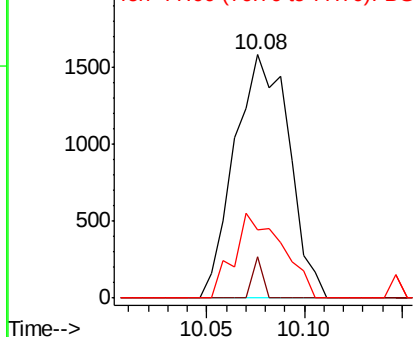


#32
Benzoic acid
Concen: 1.355 ng
RT: 10.08 min Scan# 1155
Delta R.T. -0.13 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:122 Resp: 3061
Ion Ratio Lower Upper
122 100
105 17.1 106.7 146.7#
77 28.2 72.2 112.2#



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): BG

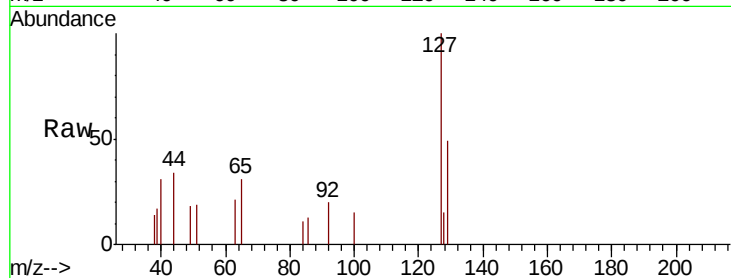




#33
4-Chloroaniline
Concen: 0.616 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

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

Tgt Ion:	127	Resp:	3313
Ion	Ratio	Lower	Upper
127	100		
129	48.7	27.1	40.7#
65	30.7	26.6	39.8
92	20.3	16.4	24.6



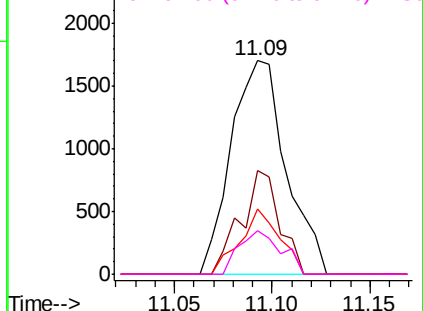
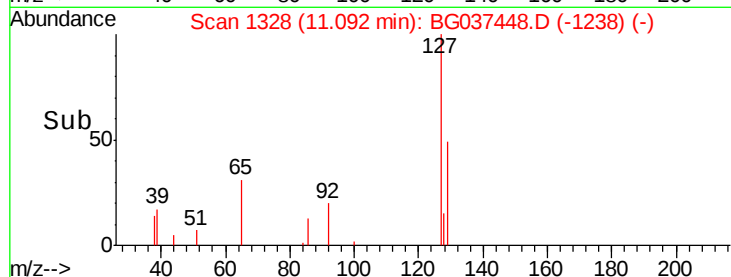
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

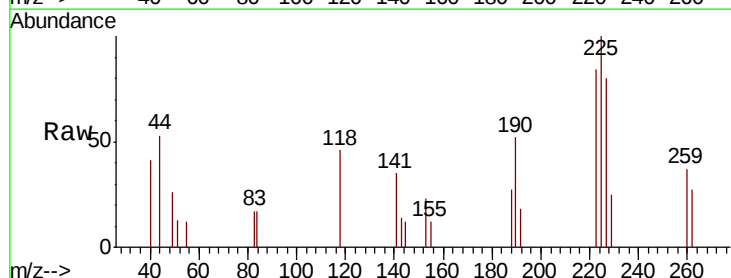
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 0.916 ng
RT: 11.25 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:	225	Resp:	2286
Ion	Ratio	Lower	Upper
225	100		
223	84.2	48.2	72.4#
227	79.6	51.6	77.4#

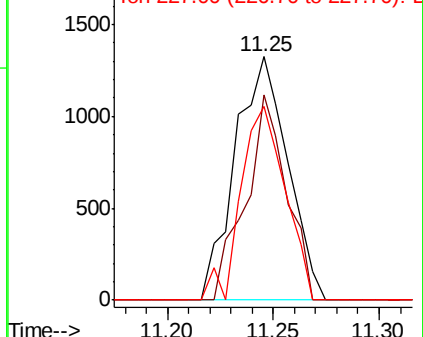
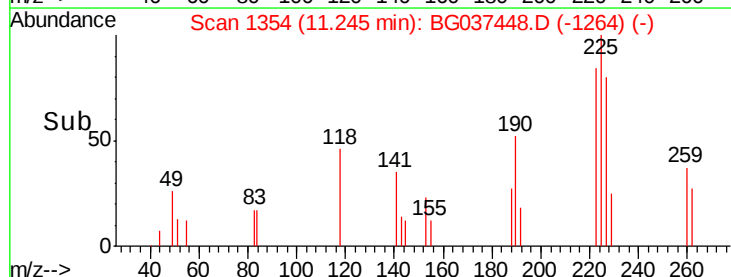


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 0.429 ng

RT: 11.86 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

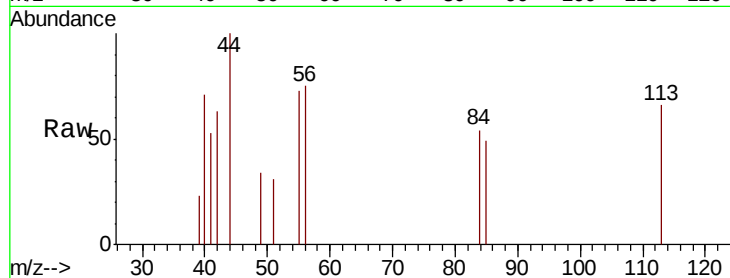
Tgt Ion:113 Resp: 666

Ion Ratio Lower Upper

113 100

55 110.9 176.6 216.6#

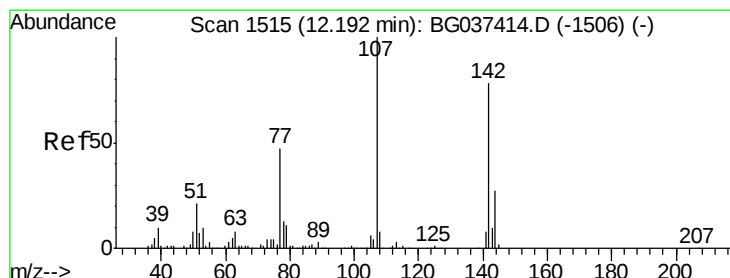
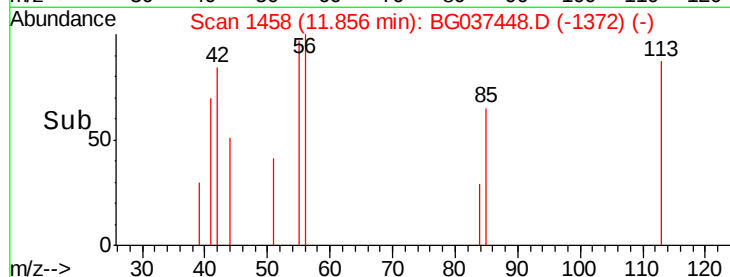
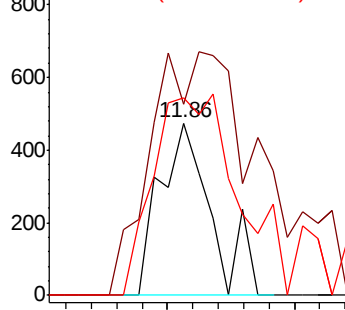
56 114.5 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 0.763 ng

RT: 12.18 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

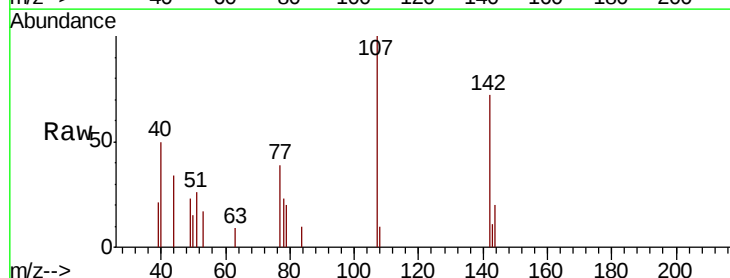
Tgt Ion:107 Resp: 3333

Ion Ratio Lower Upper

107 100

144 19.5 20.7 31.1#

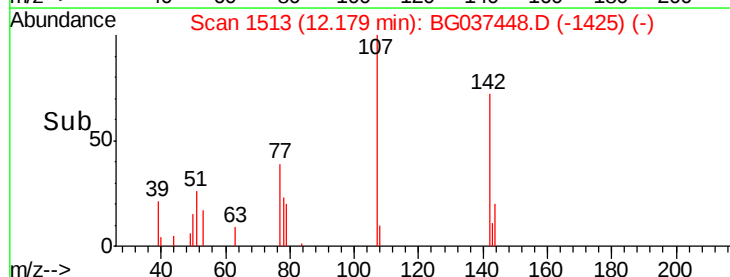
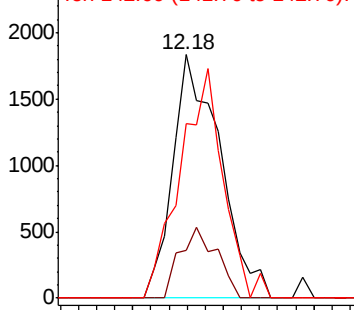
142 71.8 64.4 96.6



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

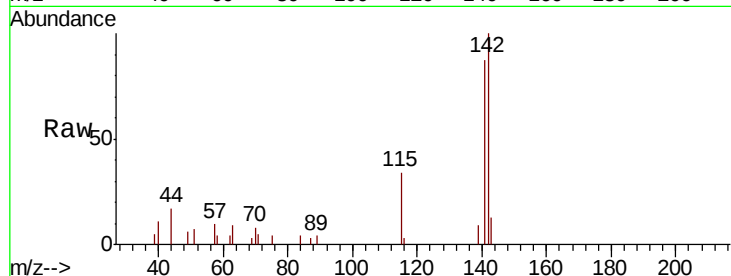




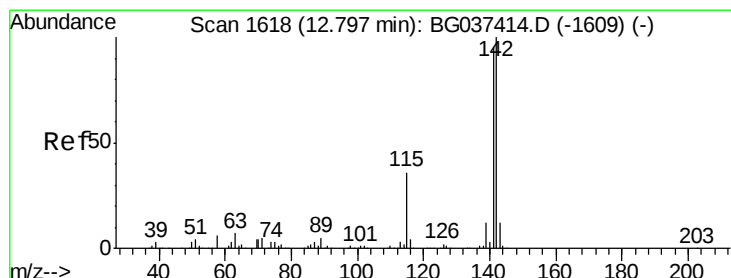
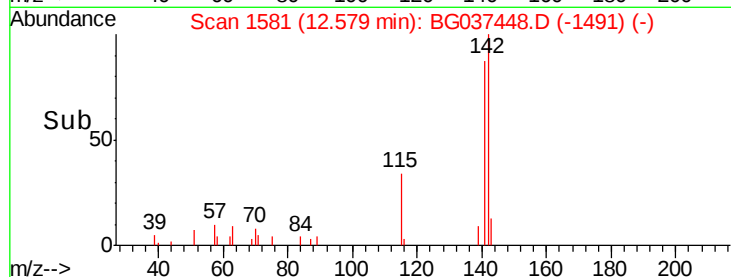
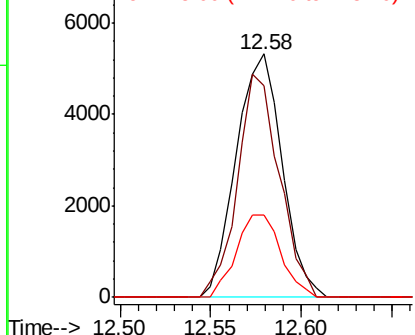
#37
2-Methylnaphthalene
Concen: 1.122 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

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

Tgt Ion:142 Resp: 9364
Ion Ratio Lower Upper
142 100
141 86.8 71.9 107.9
115 33.8 27.8 41.8

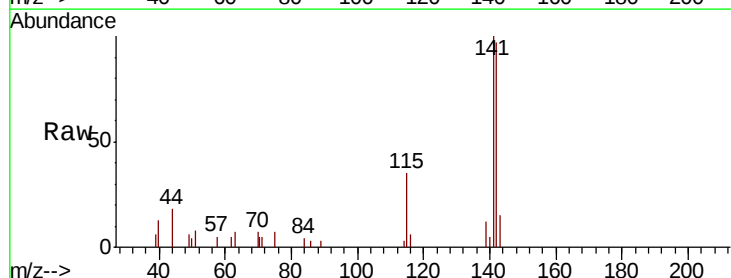


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

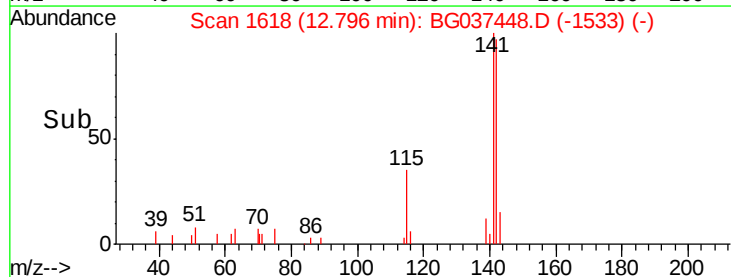
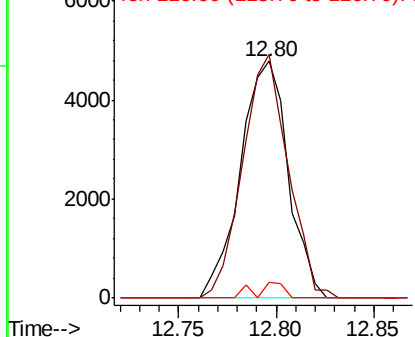


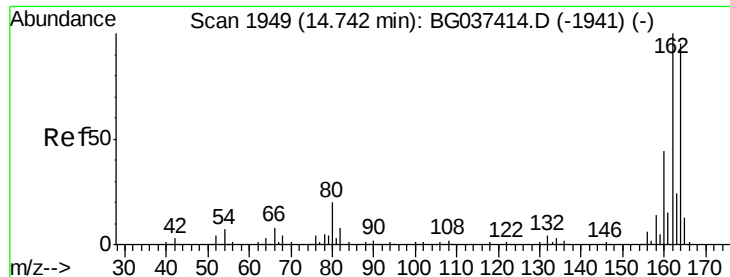
#38
1-Methylnaphthalene
Concen: 1.000 ng
RT: 12.80 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:142 Resp: 8104
Ion Ratio Lower Upper
142 100
141 102.7 75.2 112.8
116 6.5 3.3 4.9#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

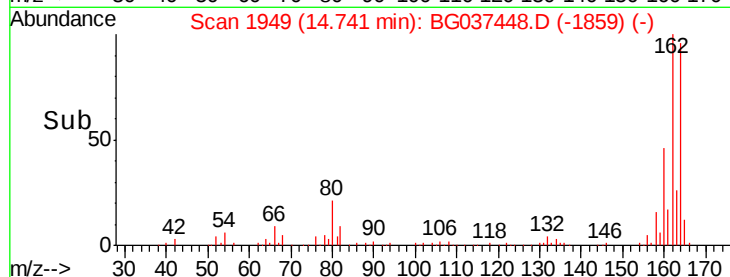
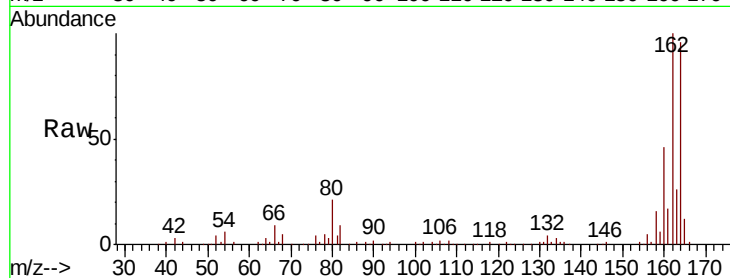
Tgt Ion:164 Resp: 155854

Ion Ratio Lower Upper

164 100

162 103.8 81.3 121.9

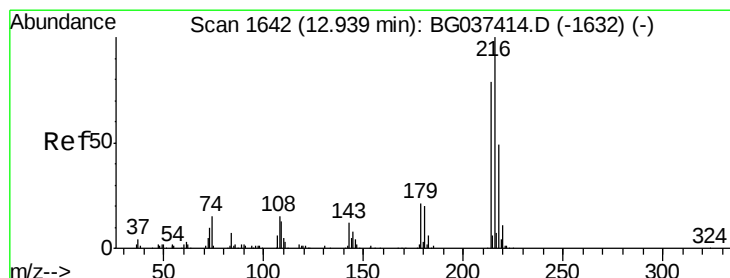
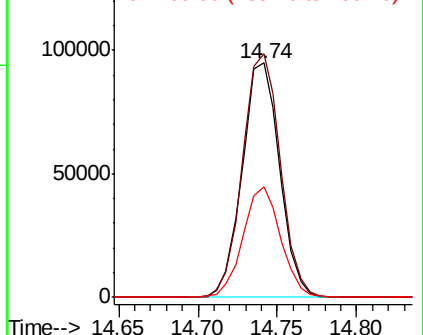
160 47.4 36.3 54.5



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 0.996 ng

RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:216 Resp: 5006

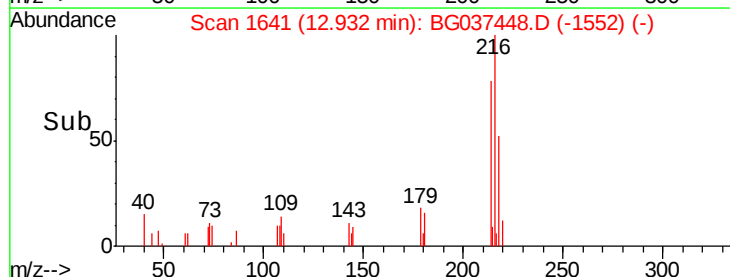
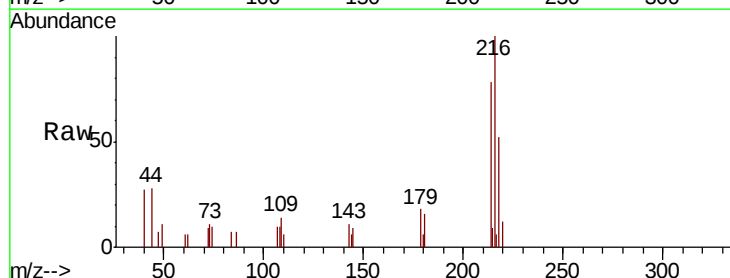
Ion Ratio Lower Upper

216 100

214 76.4 63.8 95.6

179 19.5 17.4 26.0

108 14.3 13.9 20.9

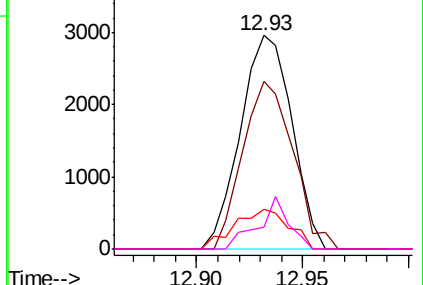


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 0.817 ng

RT: 12.90 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

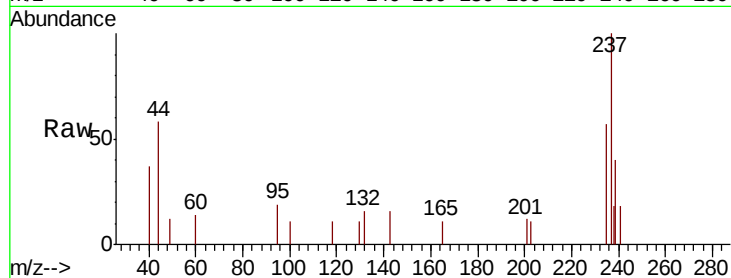
Tgt Ion:237 Resp: 1961

Ion Ratio Lower Upper

237 100

235 56.6 42.5 82.5

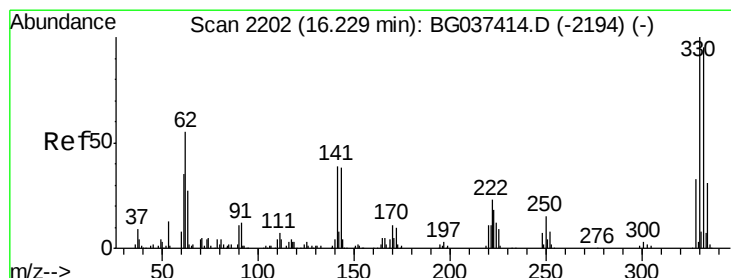
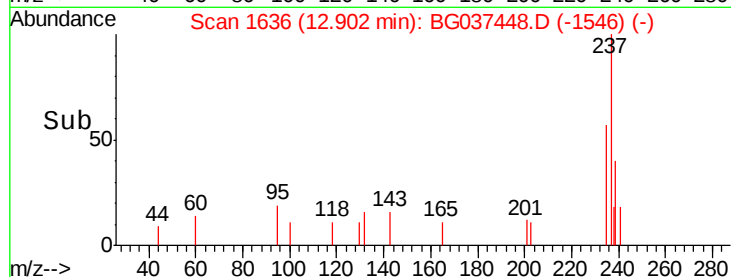
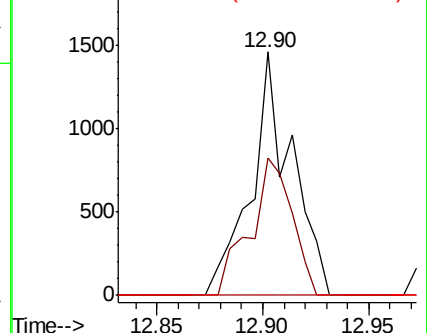
272 0.0 0.0 31.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 135.046 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

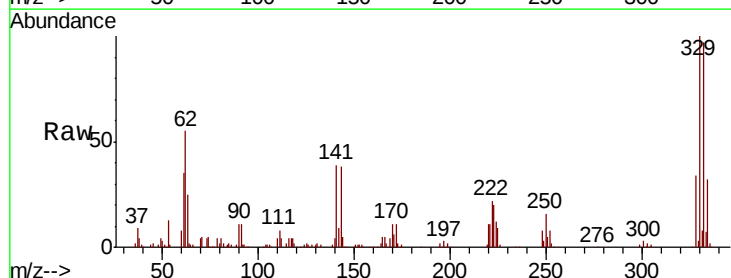
Tgt Ion:330 Resp: 229562

Ion Ratio Lower Upper

330 100

332 97.2 78.4 117.6

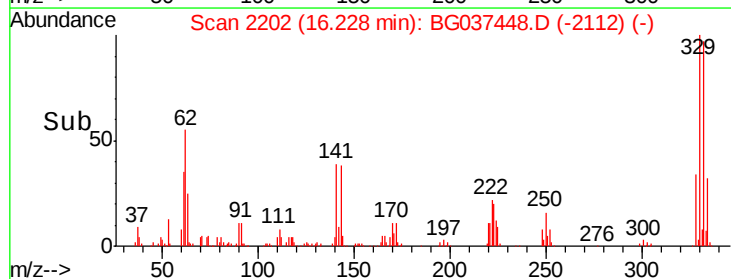
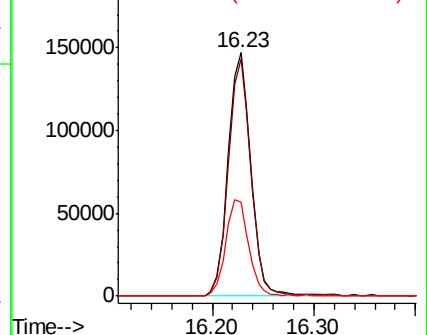
141 40.0 32.2 48.2

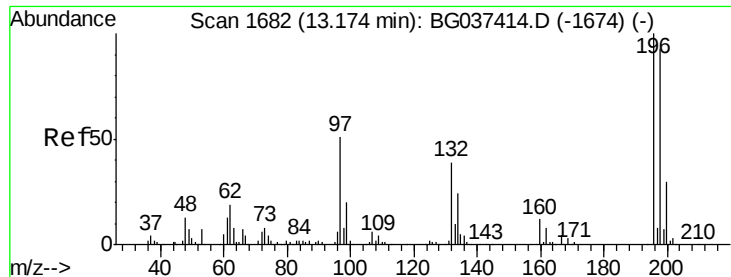


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

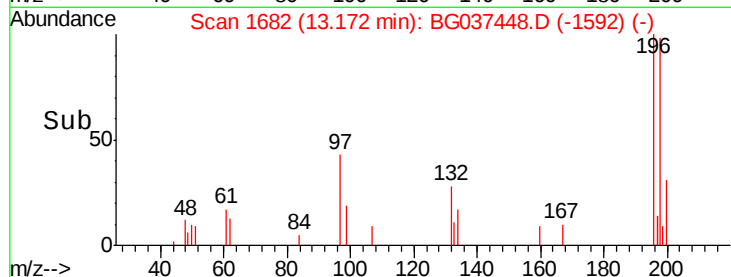
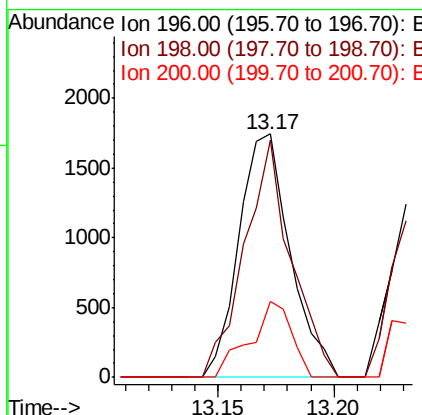
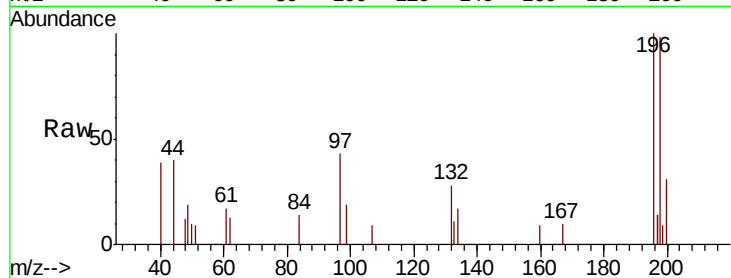




#43
 2,4,6-Trichlorophenol
 Concen: 0.805 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

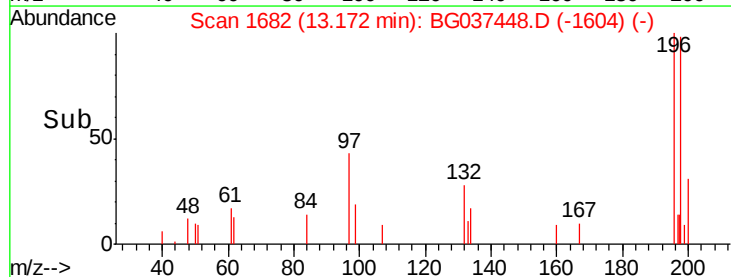
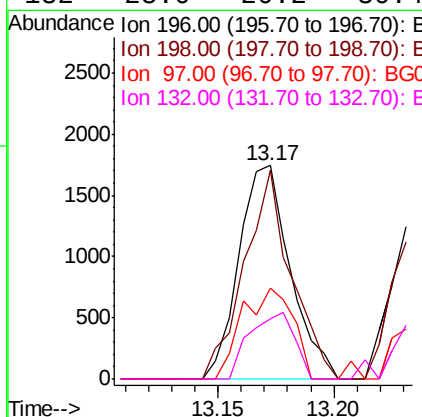
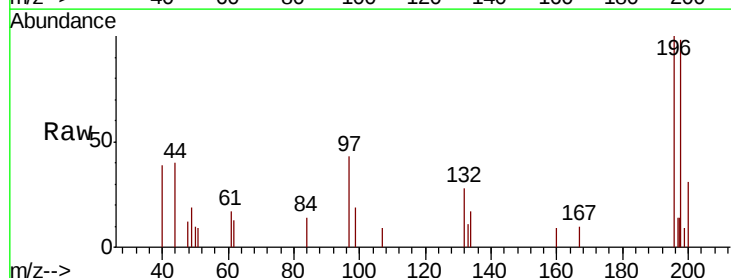
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:196 Resp: 2705
 Ion Ratio Lower Upper
 196 100
 198 106.4 76.4 114.6
 200 31.5 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 0.740 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.07 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion:196 Resp: 2705
 Ion Ratio Lower Upper
 196 100
 198 106.4 74.2 111.2
 97 42.5 34.1 51.1
 132 28.0 20.2 30.4

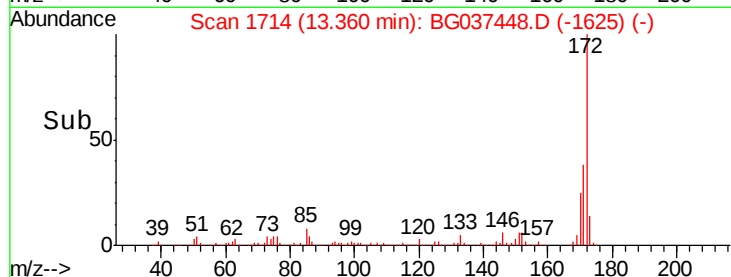
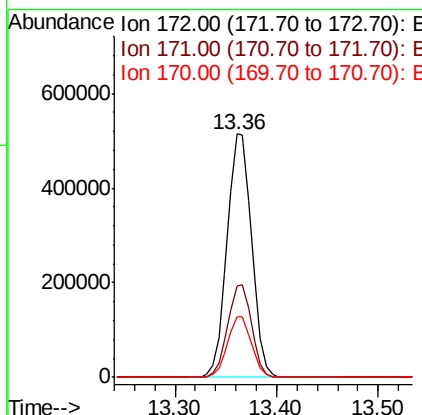
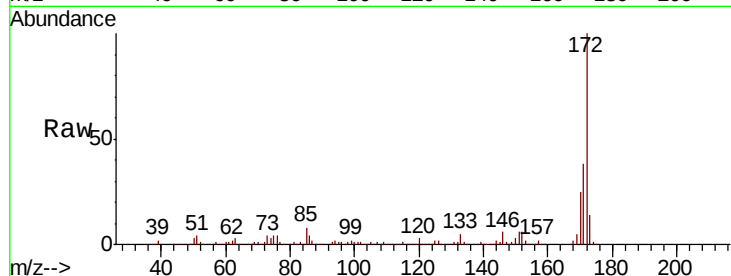




#45
2-Fluorobiphenyl
Concen: 83.625 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

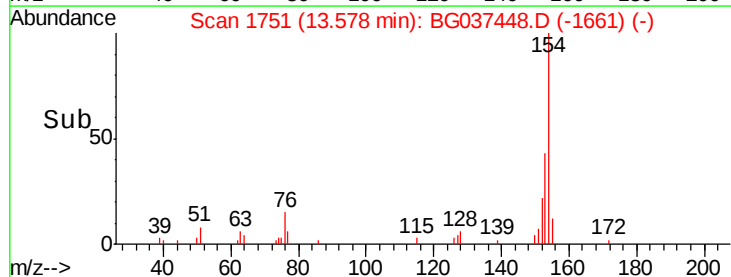
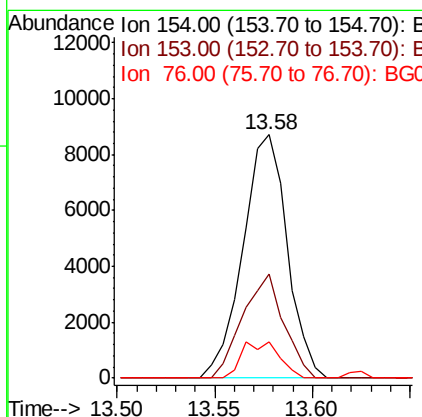
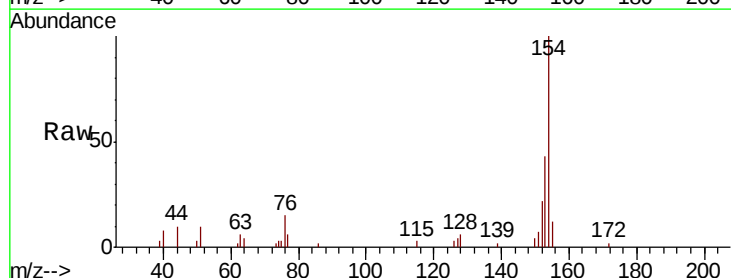
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

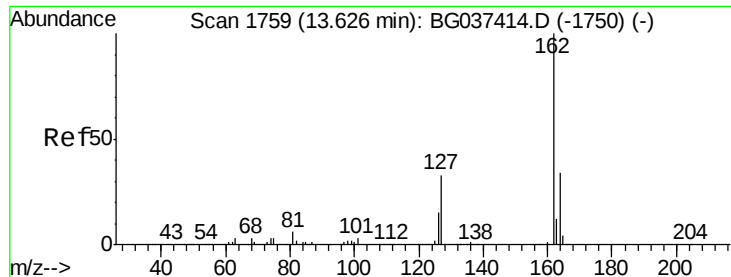
Tgt Ion:172 Resp: 864307
Ion Ratio Lower Upper
172 100
171 37.7 31.0 46.4
170 25.0 20.2 30.2



#46
1,1'-Biphenyl
Concen: 1.058 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:154 Resp: 13654
Ion Ratio Lower Upper
154 100
153 42.6 22.1 62.1
76 14.7 0.0 33.2

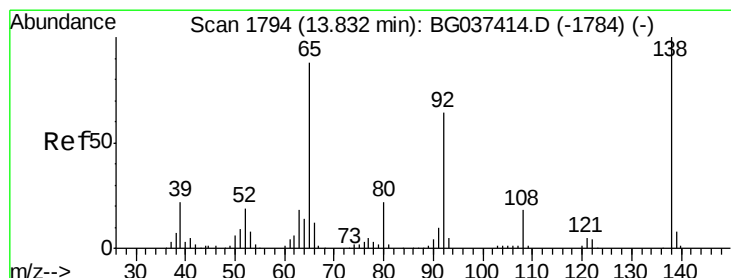
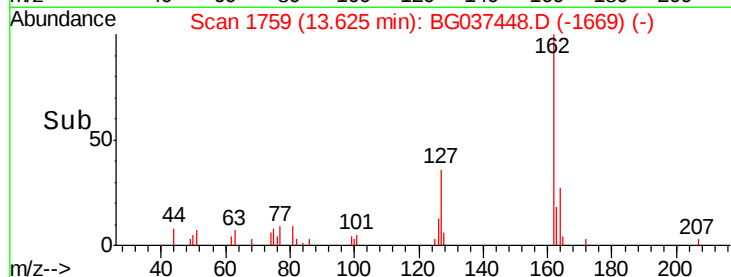
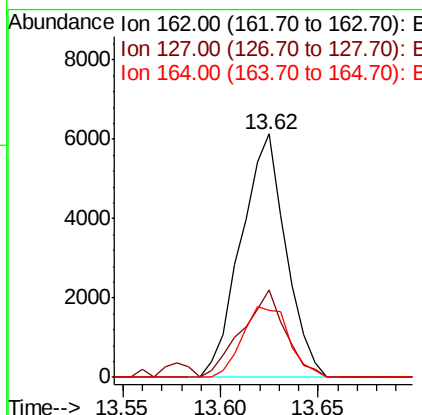
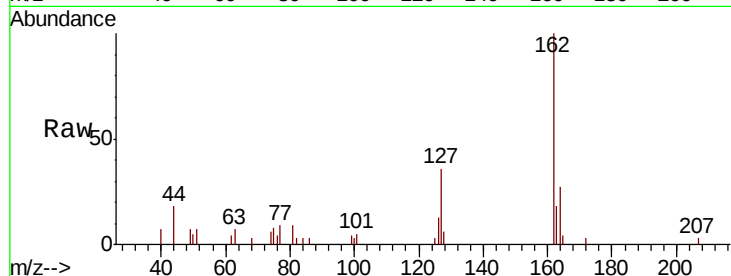




#47
 2-Chloronaphthalene
 Concen: 1.000 ng
 RT: 13.62 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

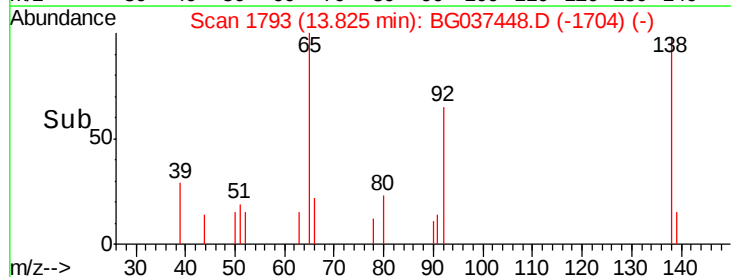
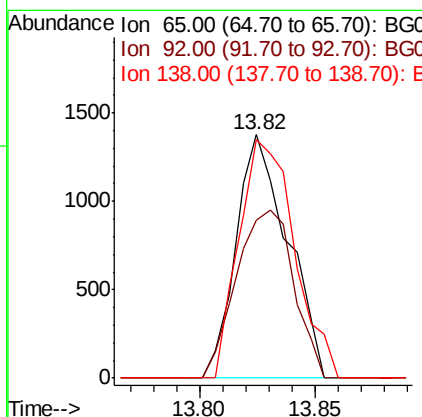
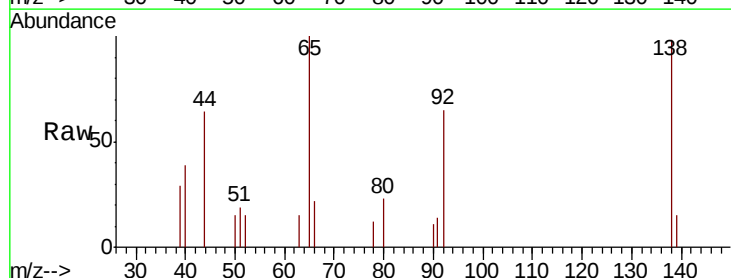
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.5	45.7
164	27.5	26.4	39.6



#48
 2-Nitroaniline
 Concen: 0.722 ng
 RT: 13.82 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.1	53.2	79.8
138	97.8	79.3	118.9





#49

Acenaphthylene

Concen: 0.958 ng

RT: 14.47 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

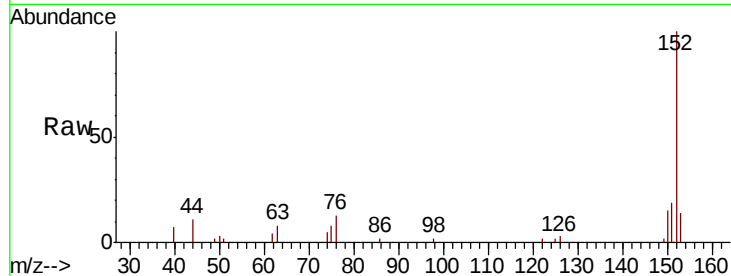
Tgt Ion:152 Resp: 14071

Ion Ratio Lower Upper

152 100

151 18.9 17.1 25.7

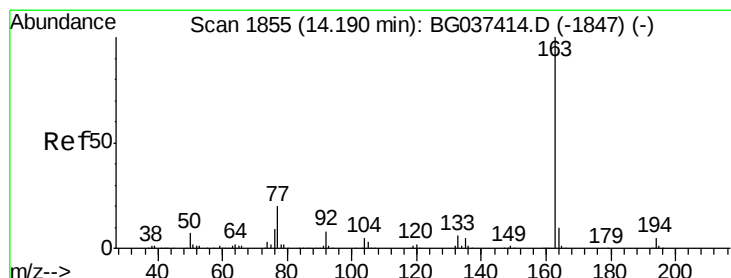
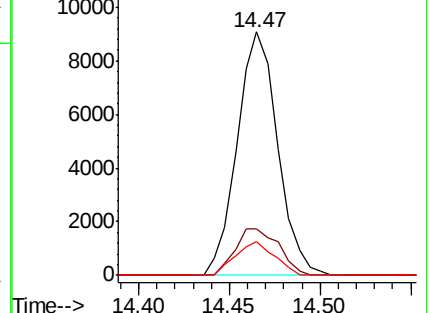
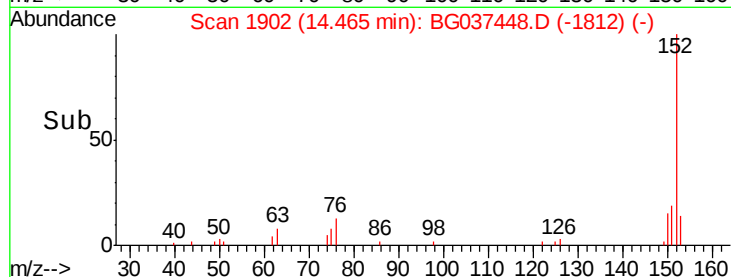
153 14.1 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 1.038 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

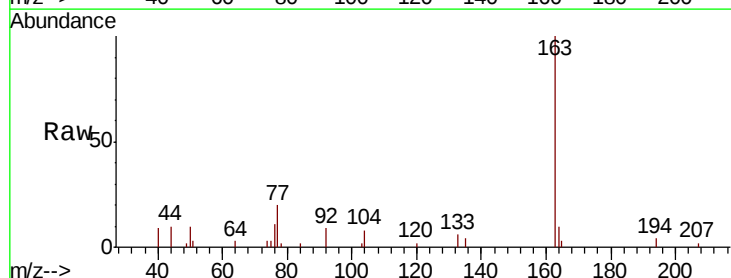
Tgt Ion:163 Resp: 12519

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

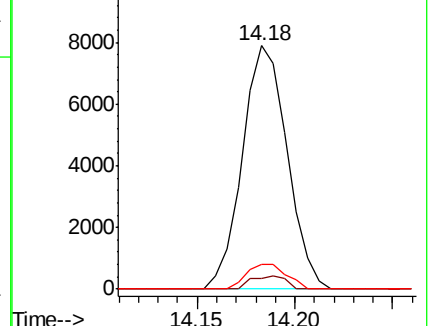
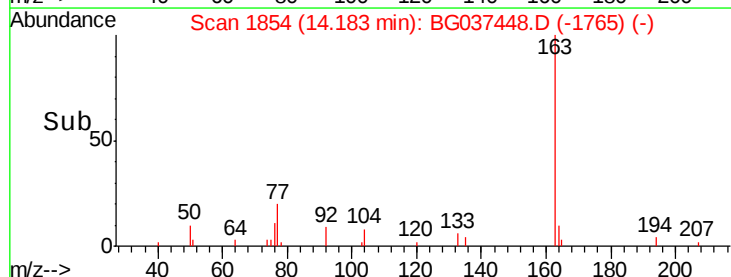
164 10.2 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 0.748 ng

RT: 14.31 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

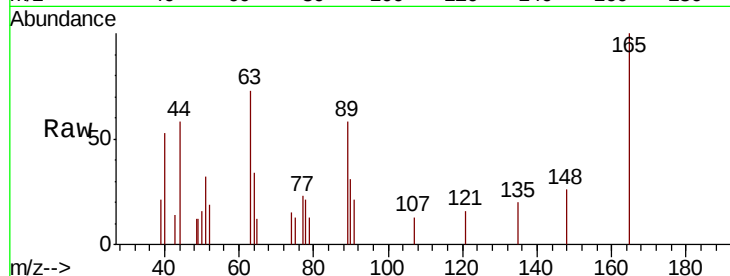
Tgt Ion:165 Resp: 1996

Ion Ratio Lower Upper

165 100

63 72.5 43.4 65.2#

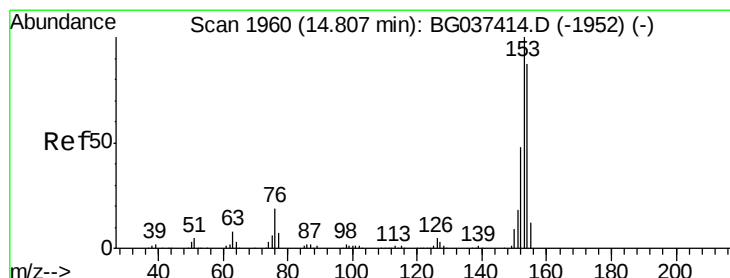
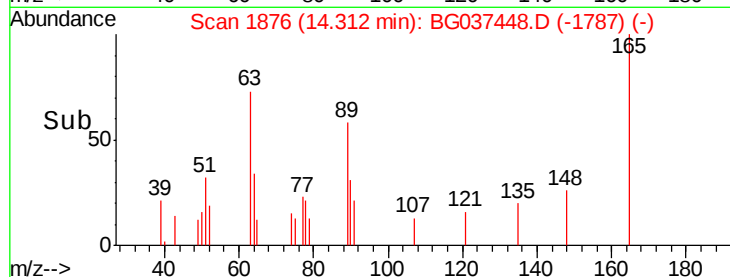
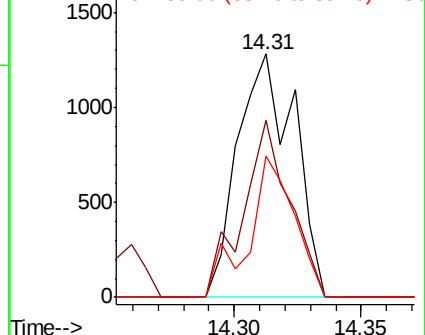
89 57.9 45.8 68.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 1.090 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

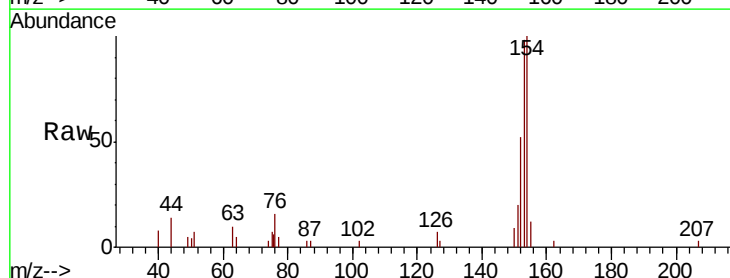
Tgt Ion:154 Resp: 9857

Ion Ratio Lower Upper

154 100

153 97.6 93.4 140.0

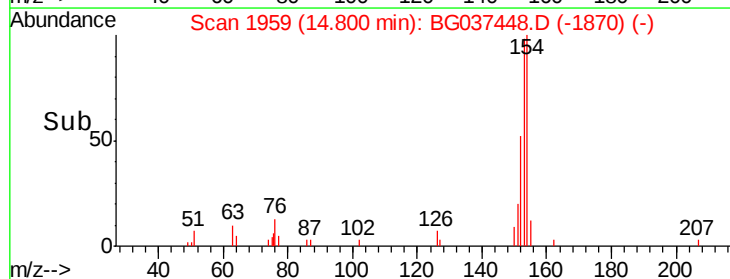
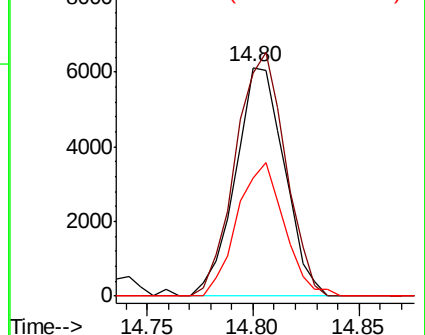
152 51.9 44.7 67.1

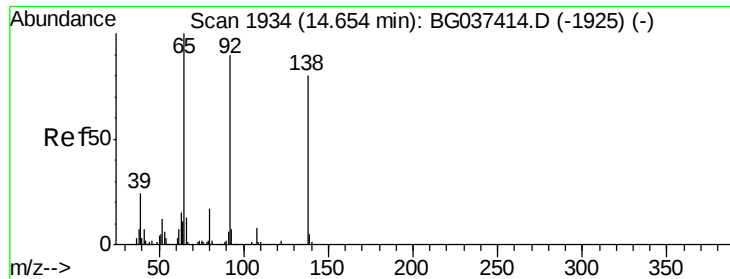


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

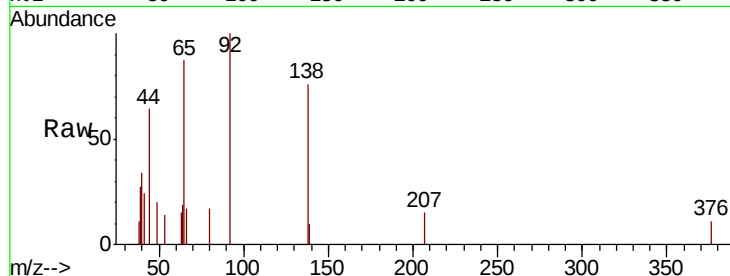




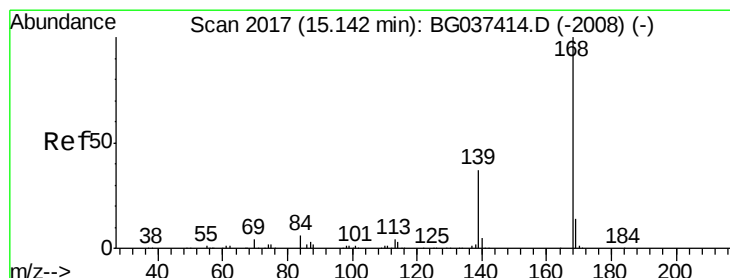
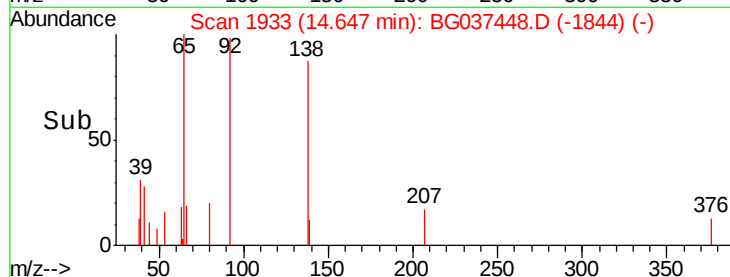
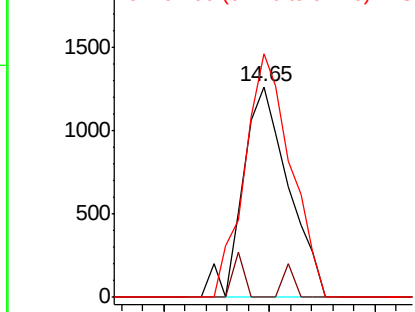
#53
3-Nitroaniline
Concen: 0.640 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

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

Tgt Ion:138 Resp: 1896
Ion Ratio Lower Upper
138 100
108 0.0 11.0 16.6#
92 115.7 95.2 142.8

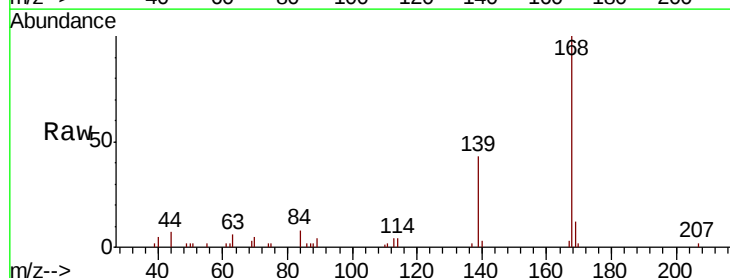


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): B

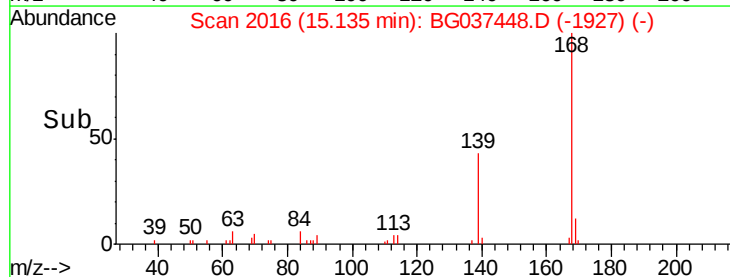
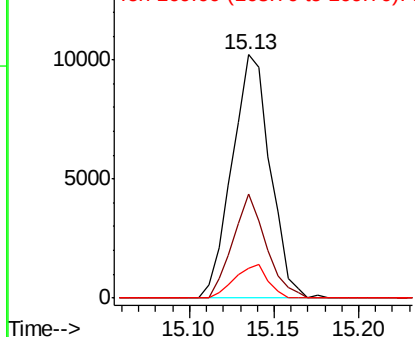


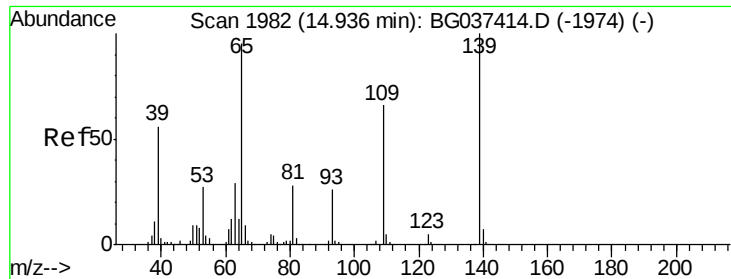
#55
Dibenzofuran
Concen: 1.073 ng
RT: 15.13 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:168 Resp: 16084
Ion Ratio Lower Upper
168 100
139 43.0 29.4 44.0
169 12.1 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 0.247 ng

RT: 14.94 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

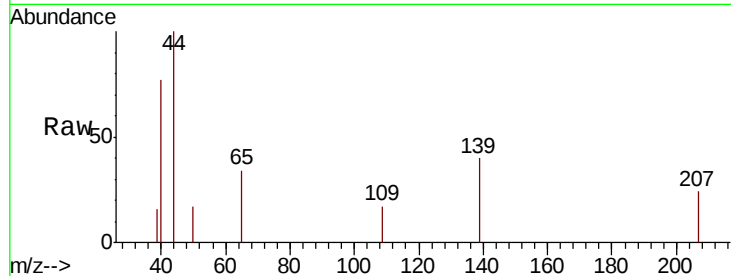
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:139 Resp: 542

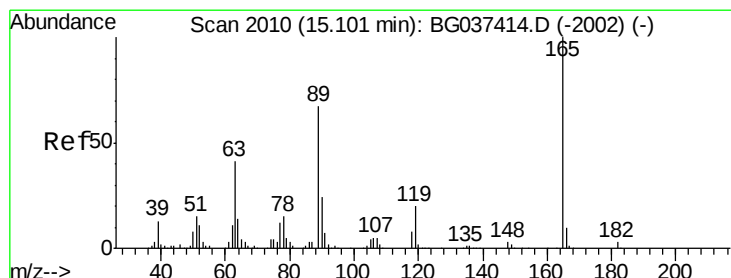
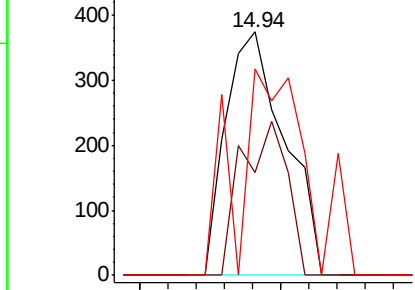
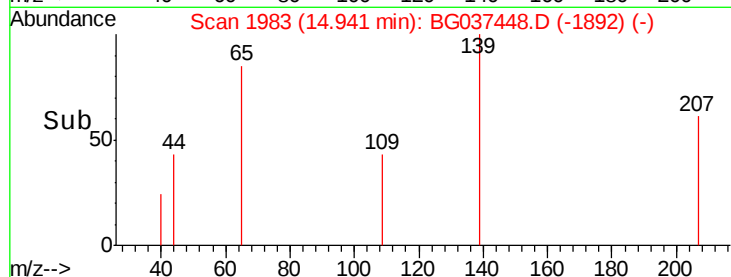
Ion	Ratio	Lower	Upper
139	100		
109	42.5	49.5	89.5#
65	84.8	76.8	116.8



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 0.683 ng

RT: 15.09 min Scan# 2009

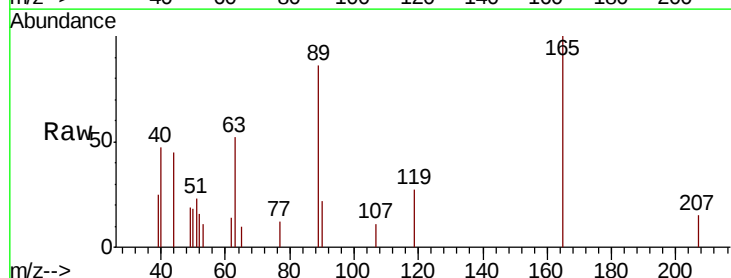
Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:165 Resp: 2390

Ion	Ratio	Lower	Upper
165	100		
63	52.0	33.4	50.0#
89	86.2	57.2	85.8#
182	0.0	2.6	4.0#

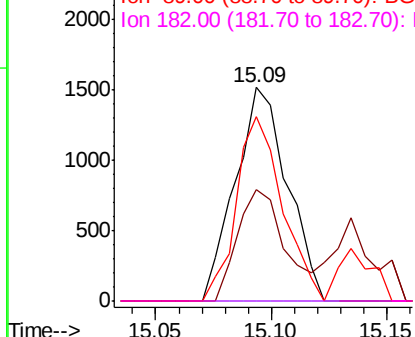
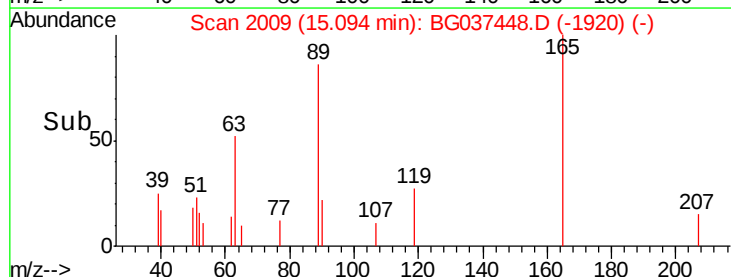


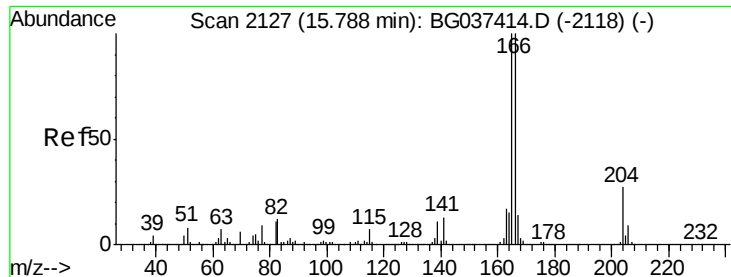
Abundance Ion 165.00 (164.70 to 165.70): E

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

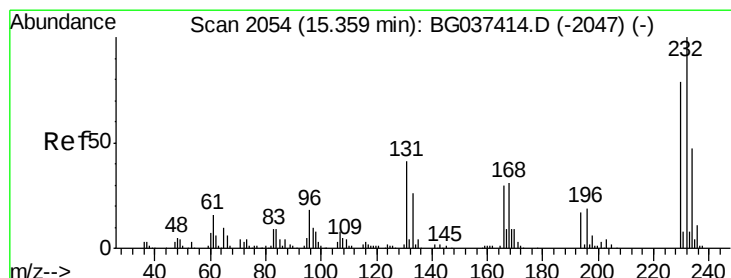
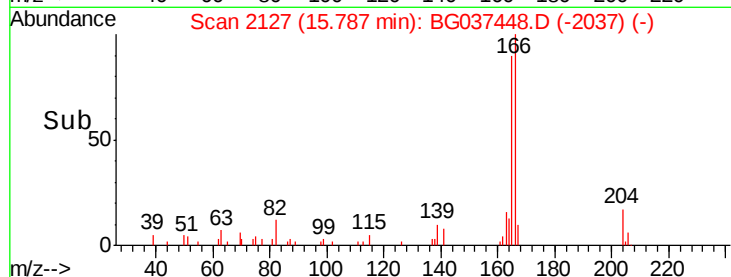
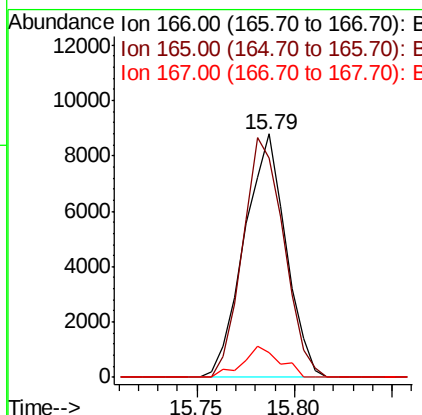
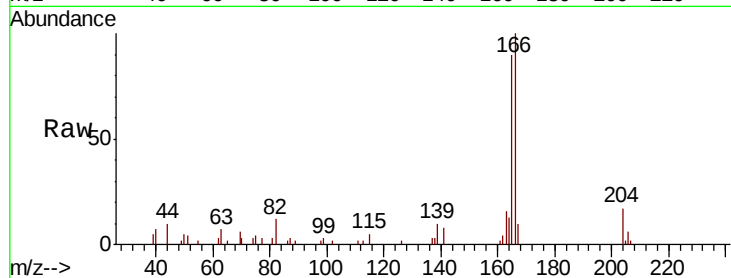




#58
 Fluorene
 Concen: 1.156 ng
 RT: 15.79 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

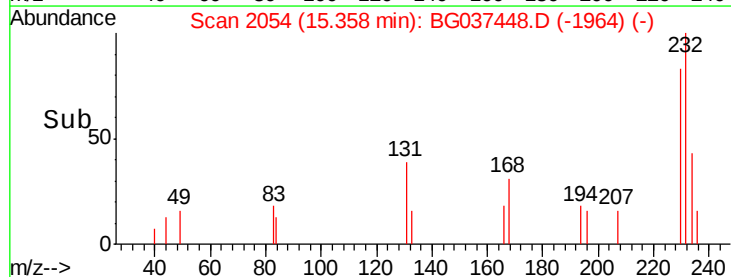
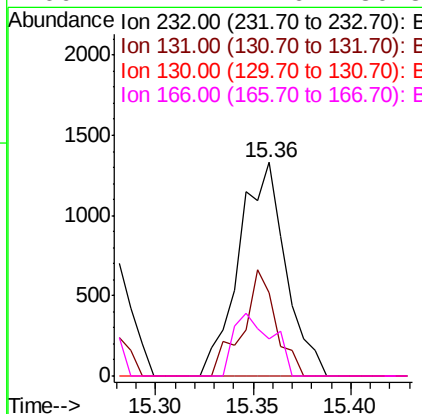
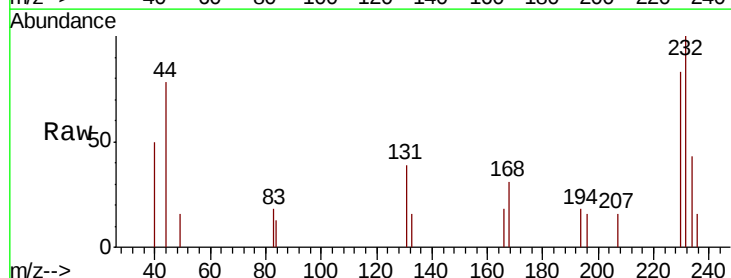
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

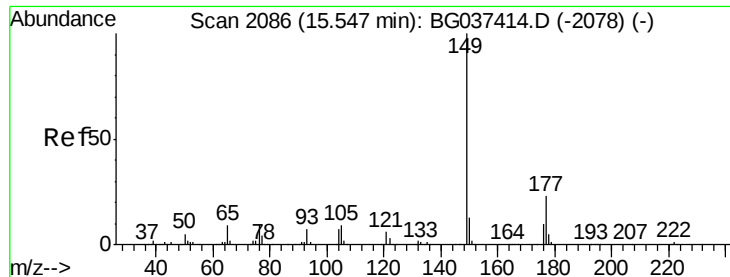
Tgt Ion:166 Resp: 12977
 Ion Ratio Lower Upper
 166 100
 165 90.1 79.0 118.6
 167 10.1 11.3 16.9#



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 0.707 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion:232 Resp: 2215
 Ion Ratio Lower Upper
 232 100
 131 35.4 33.7 50.5
 130 0.0 2.1 3.1#
 166 24.1 24.6 36.8#





#60

Diethylphthalate

Concen: 1.006 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

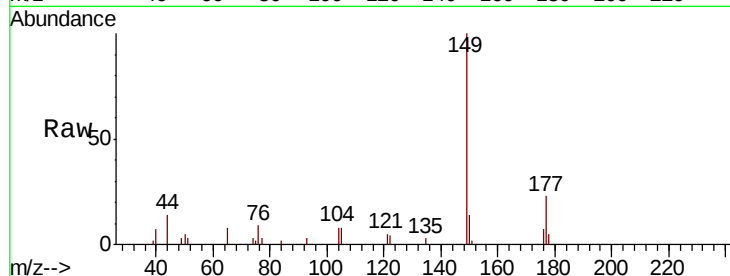
Tgt Ion:149 Resp: 12452

Ion Ratio Lower Upper

149 100

177 22.9 18.3 27.5

150 14.0 10.0 15.0

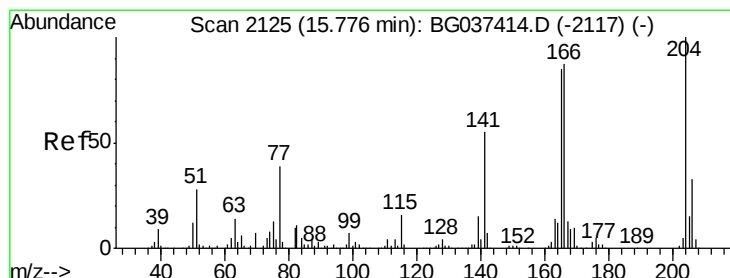
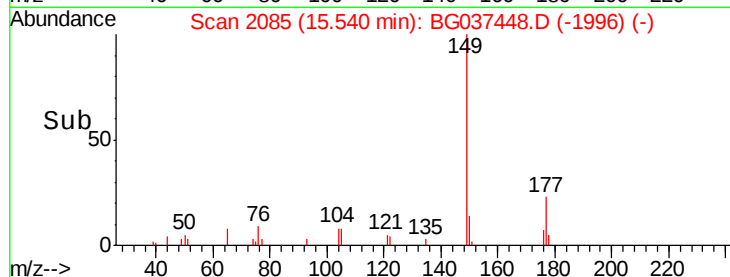
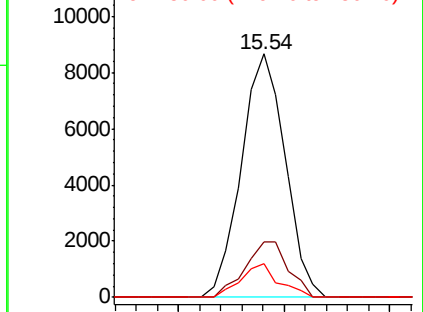


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#61

4-Chlorophenyl-phenylether

Concen: 0.971 ng

RT: 15.78 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

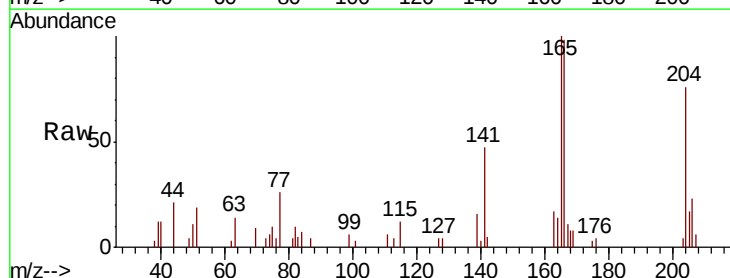
Tgt Ion:204 Resp: 6350

Ion Ratio Lower Upper

204 100

206 30.7 26.6 39.8

141 61.1 45.4 68.2

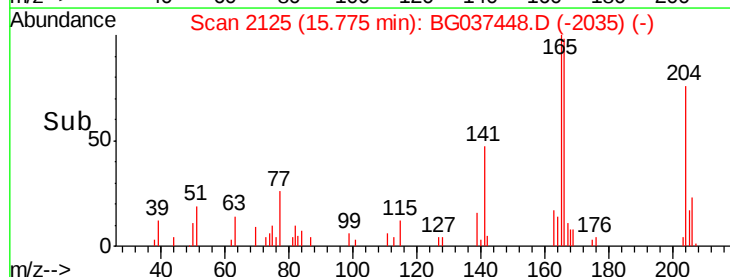
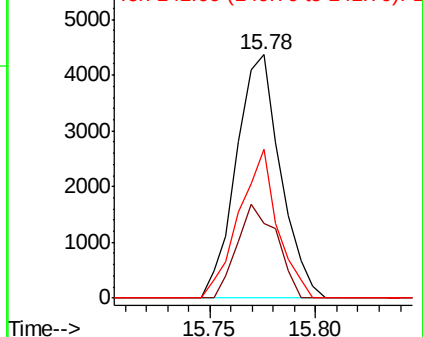


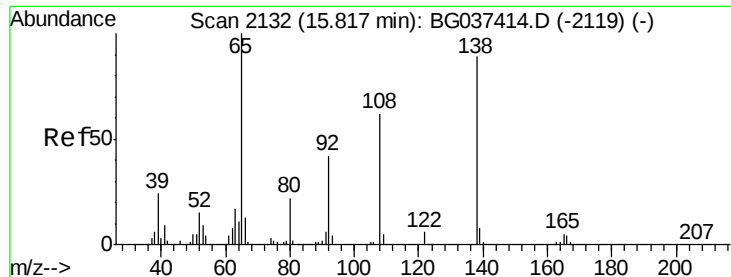
Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

4-Nitroaniline

Concen: 0.582 ng

RT: 15.81 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

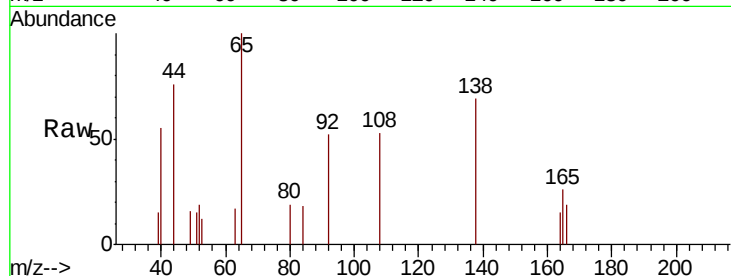
Tgt Ion:138 Resp: 1712

Ion Ratio Lower Upper

138 100

92 76.1 36.4 76.4

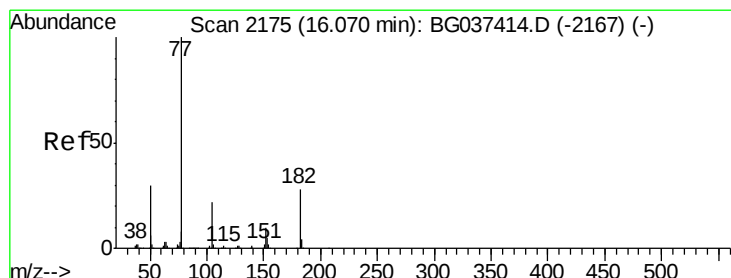
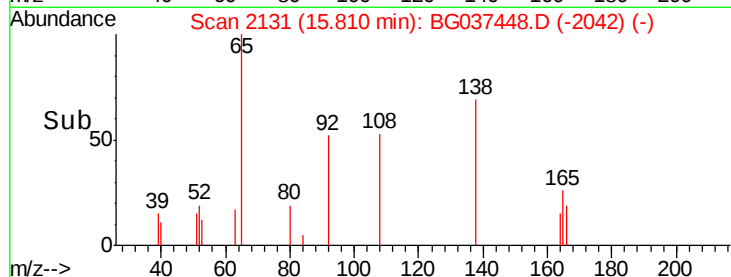
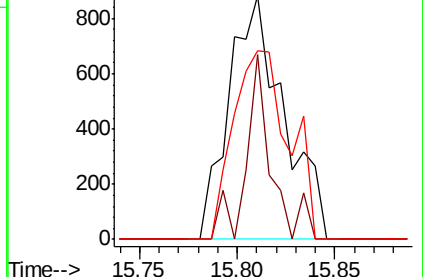
108 77.3 60.1 100.1



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 0.983 ng

RT: 16.06 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion: 77 Resp: 11613

Ion Ratio Lower Upper

77 100

182 21.5 8.0 48.0

105 23.2 1.3 41.3

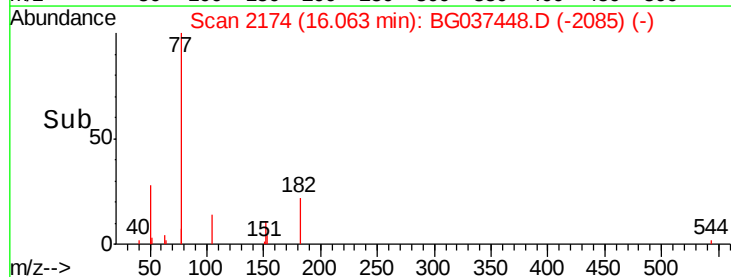
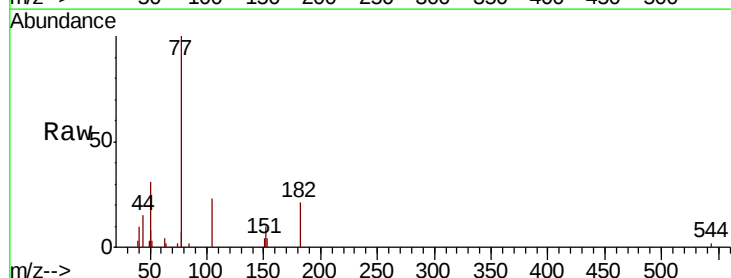
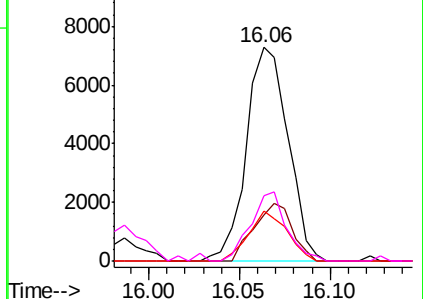
51 30.7 10.7 50.7

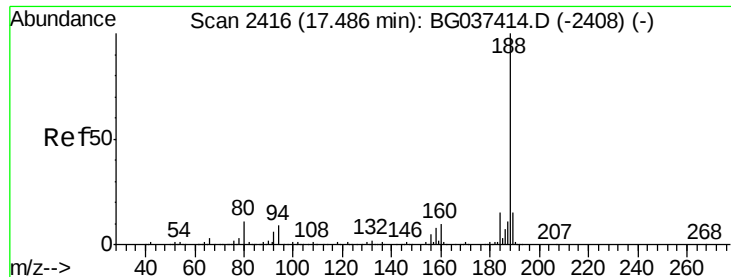
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

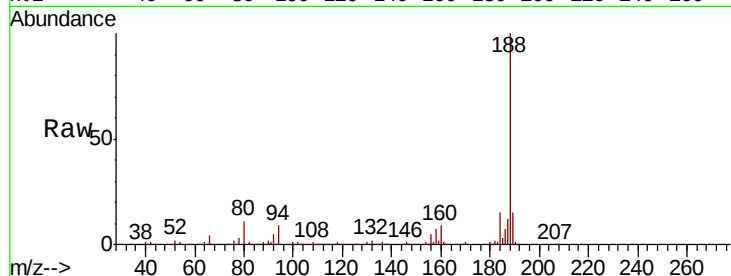
Tgt Ion:188 Resp: 385113

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

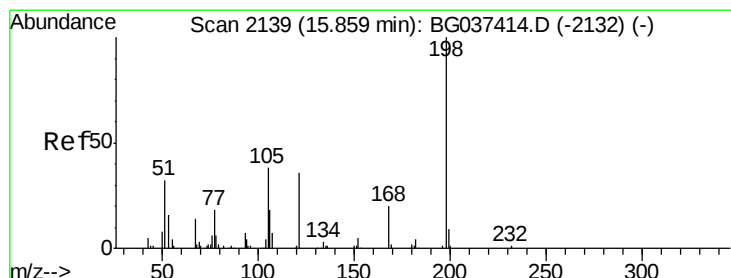
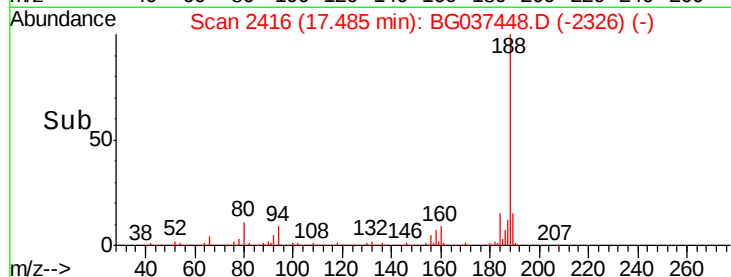
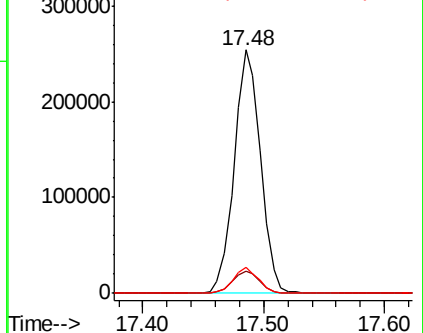
80 10.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 8.926 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

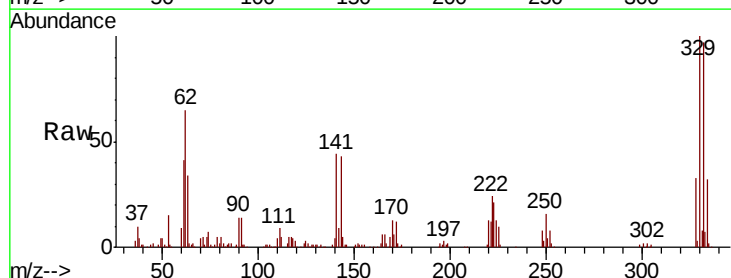
Tgt Ion:198 Resp: 1029

Ion Ratio Lower Upper

198 100

51 25.2 22.7 62.7

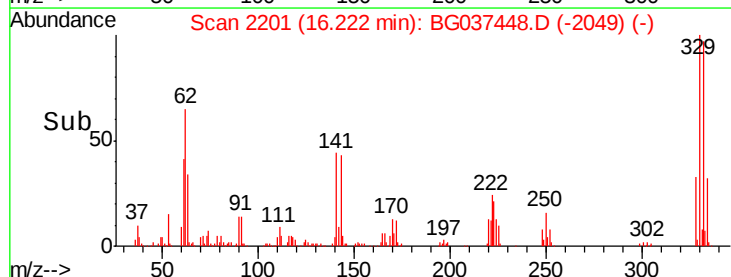
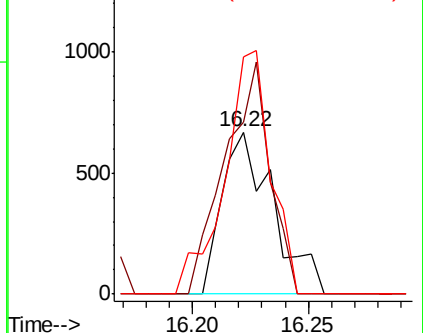
105 34.8 19.7 59.7

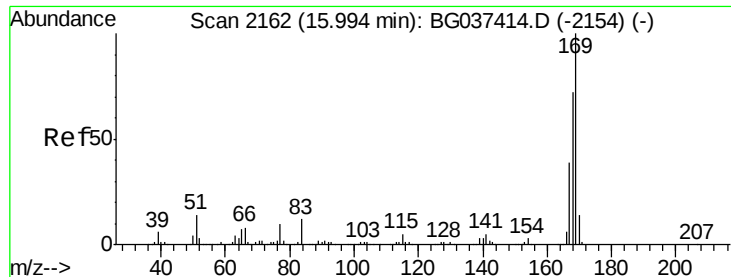


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

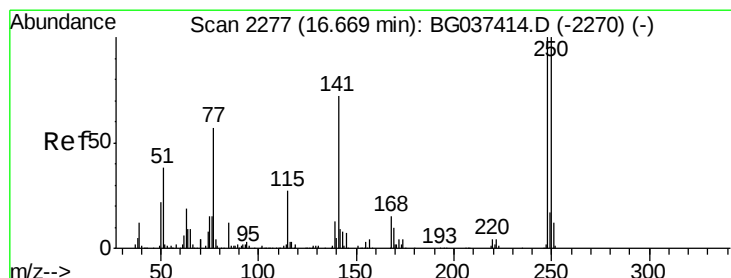
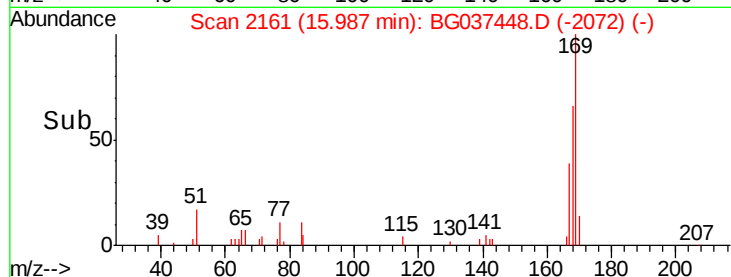
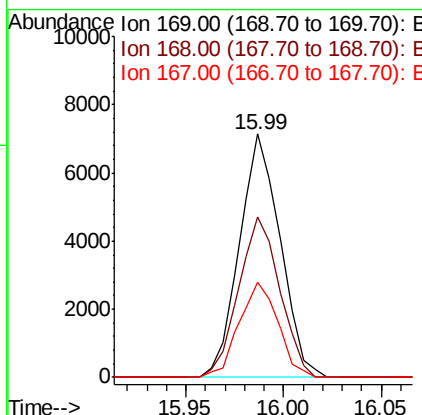
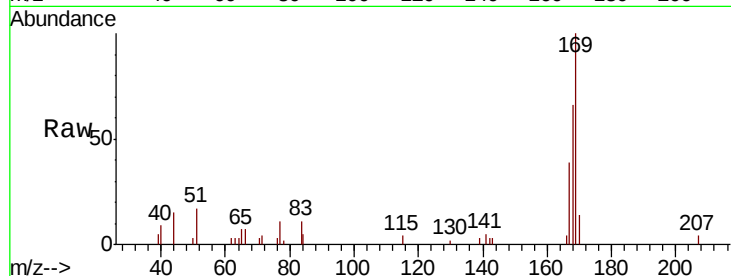




#66
n-Nitrosodiphenylamine
Concen: 0.889 ng
RT: 15.99 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

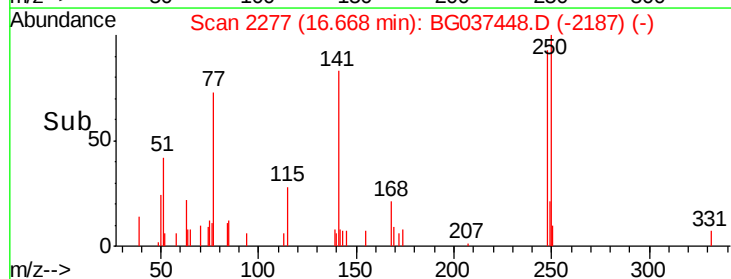
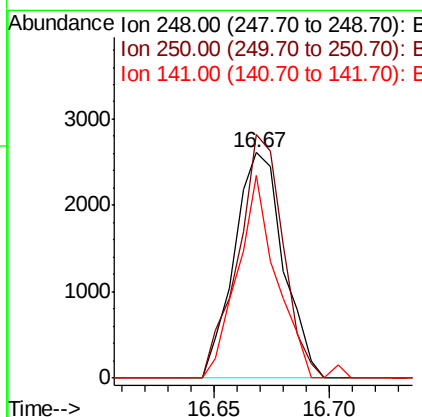
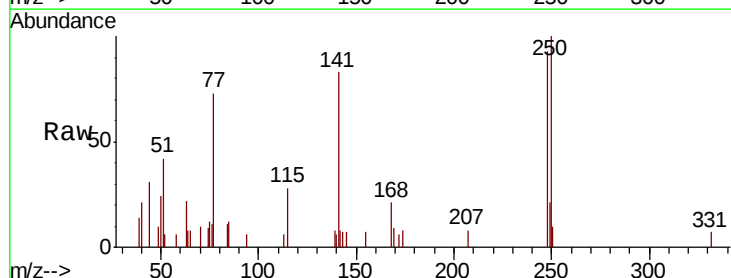
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

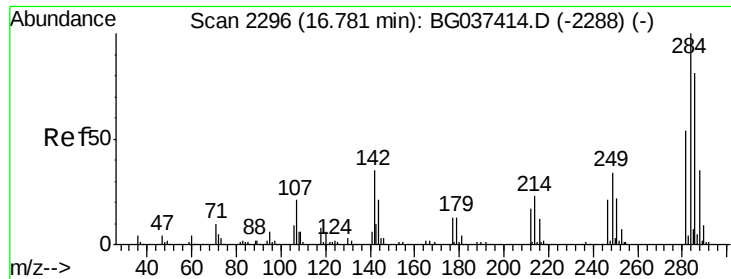
Tgt Ion:169 Resp: 10301
Ion Ratio Lower Upper
169 100
168 65.9 55.7 83.5
167 39.3 31.3 46.9



#67
4-Bromophenyl-phenylether
Concen: 0.916 ng
RT: 16.67 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:248 Resp: 3872
Ion Ratio Lower Upper
248 100
250 119.2 77.0 115.6#
141 89.7 55.5 83.3#





#68

Hexachlorobenzene

Concen: 0.916 ng

RT: 16.78 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

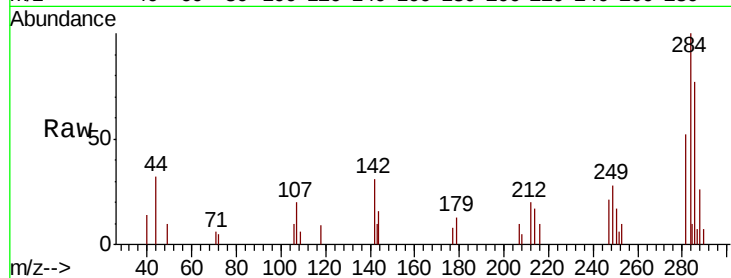
Tgt Ion:284 Resp: 4017

Ion Ratio Lower Upper

284 100

142 31.1 28.1 42.1

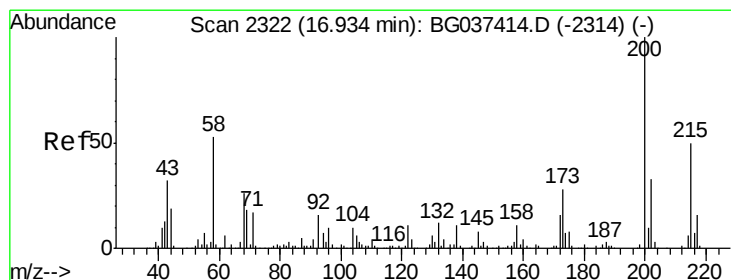
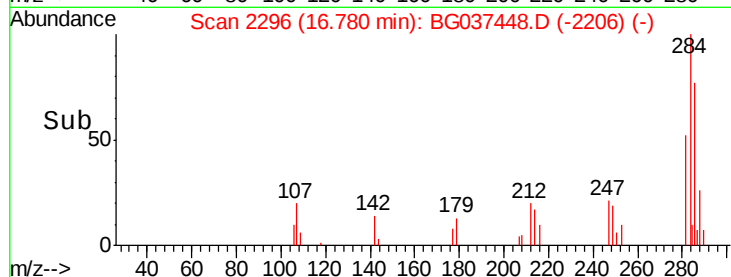
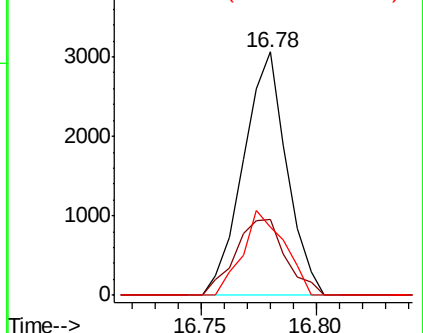
249 28.2 29.8 44.8#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Atrazine

Concen: 0.893 ng

RT: 16.92 min Scan# 2320

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

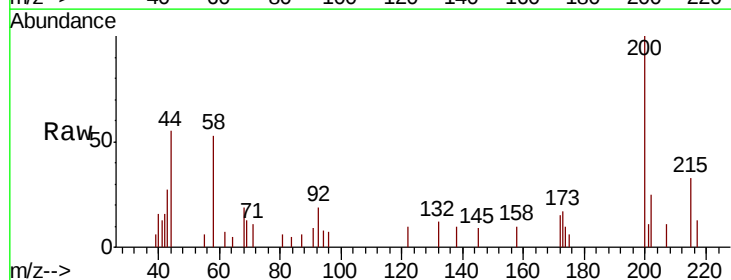
Tgt Ion:200 Resp: 3740

Ion Ratio Lower Upper

200 100

173 16.6 6.1 46.1

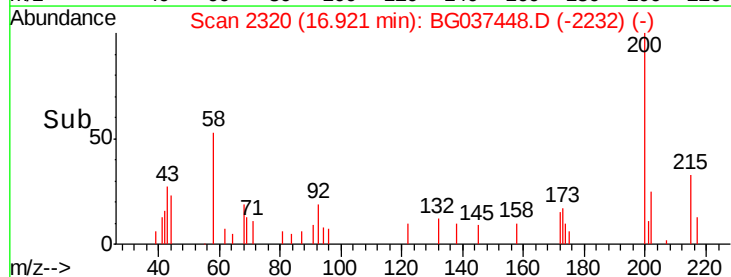
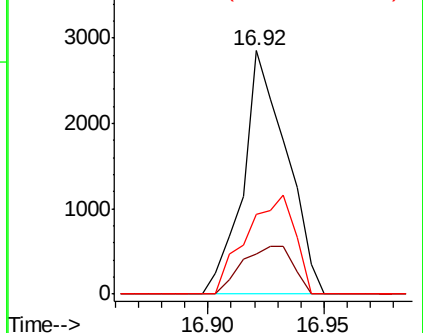
215 32.6 30.8 70.8

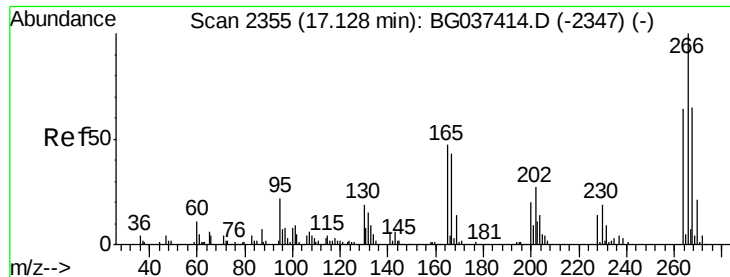


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Pentachlorophenol

Concen: 0.160 ng

RT: 17.12 min Scan# 2354

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

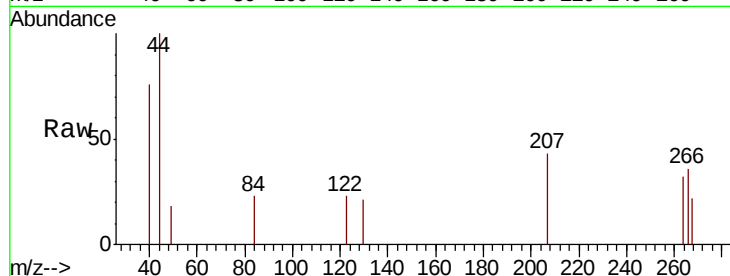
Tgt Ion:266 Resp: 470

Ion Ratio Lower Upper

266 100

268 61.8 55.0 82.6

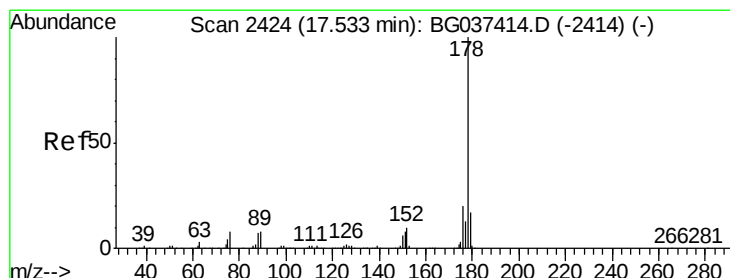
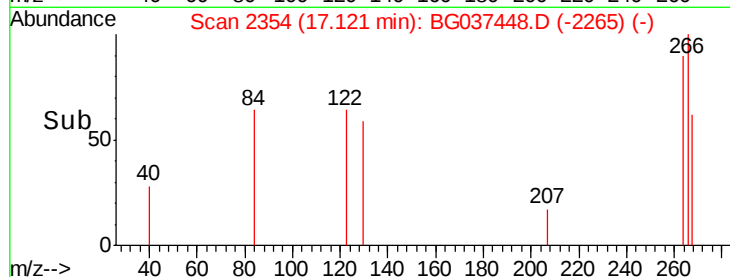
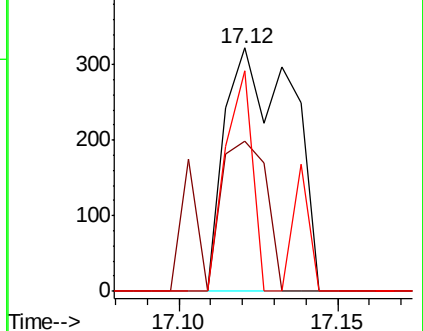
264 90.4 58.9 88.3#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 1.106 ng

RT: 17.53 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

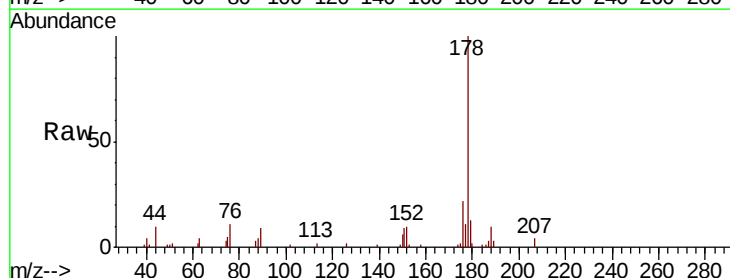
Tgt Ion:178 Resp: 21656

Ion Ratio Lower Upper

178 100

176 22.2 16.1 24.1

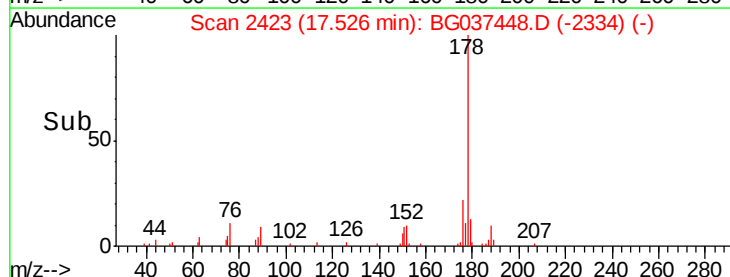
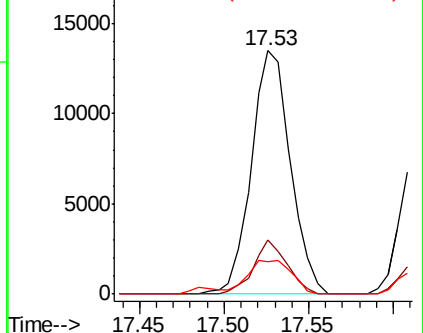
179 13.2 13.0 19.4

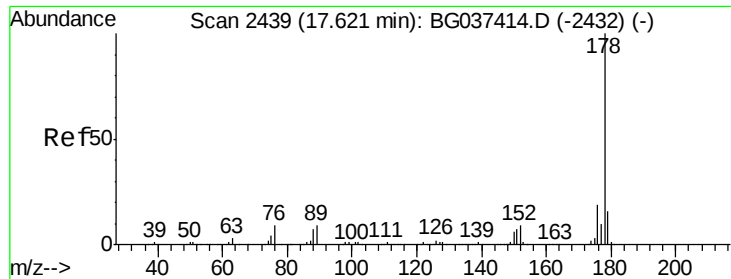


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

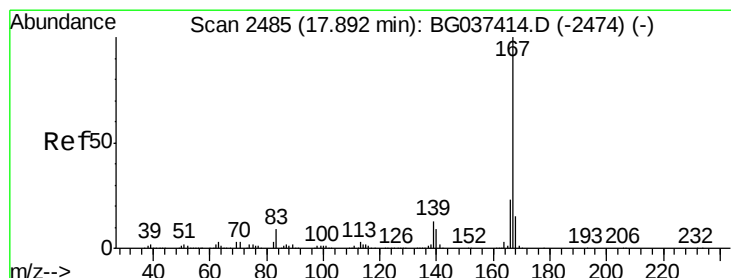
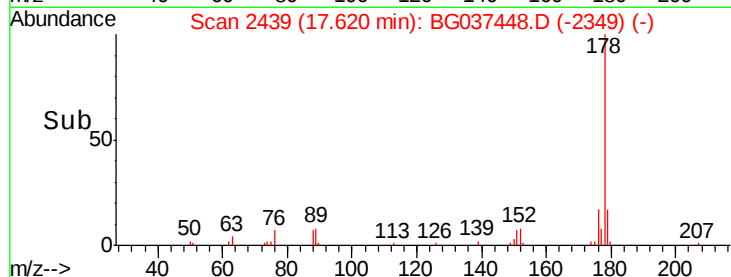
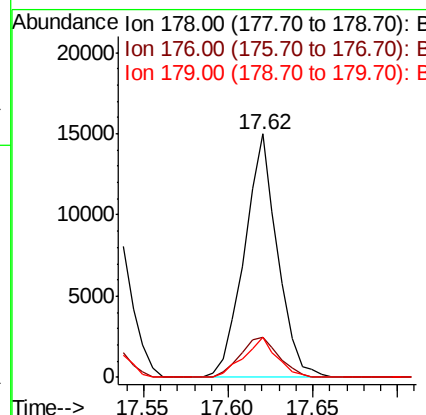
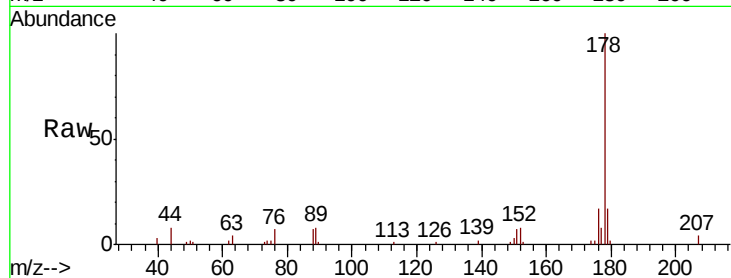




#72
 Anthracene
 Concen: 1.065 ng
 RT: 17.62 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

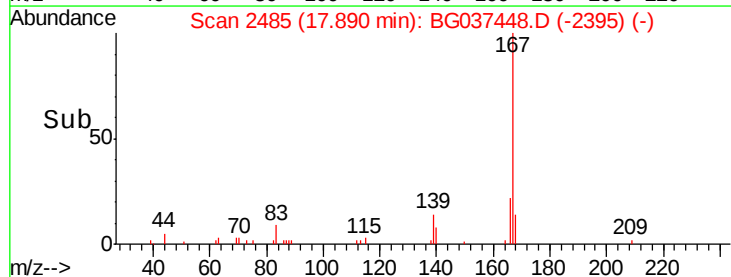
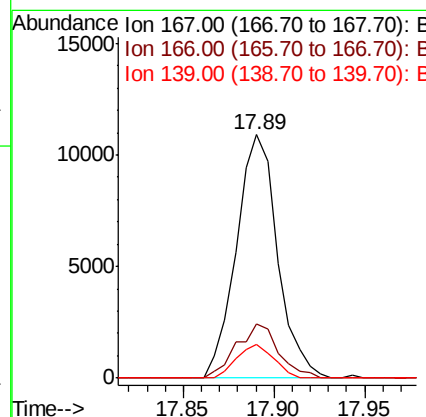
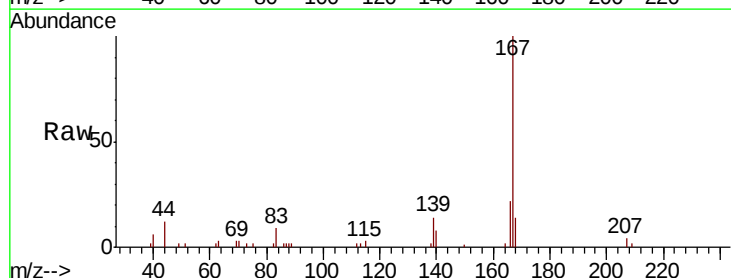
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

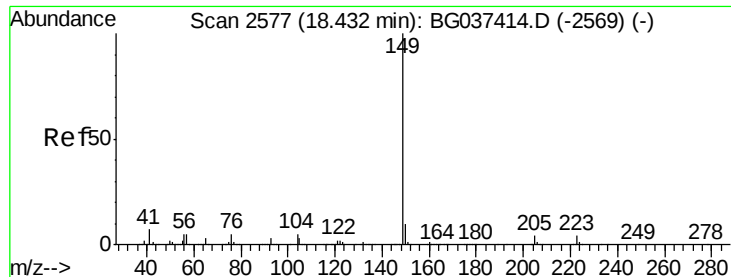
Tgt Ion:178 Resp: 20460
 Ion Ratio Lower Upper
 178 100
 176 16.6 15.0 22.4
 179 16.7 12.8 19.2



#73
 Carbazole
 Concen: 0.896 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion:167 Resp: 17214
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.3 27.5
 139 13.9 10.5 15.7

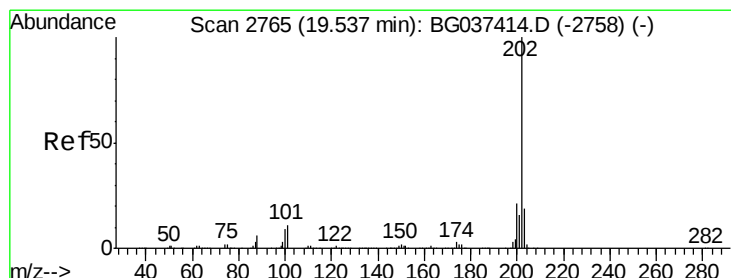
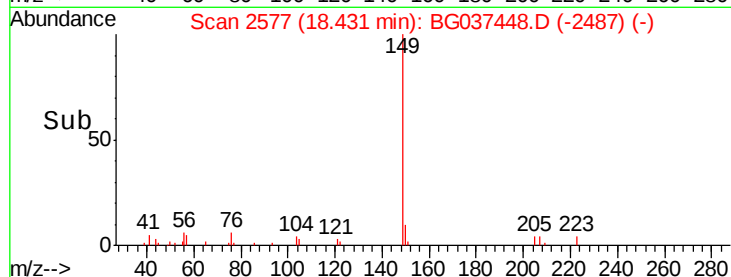
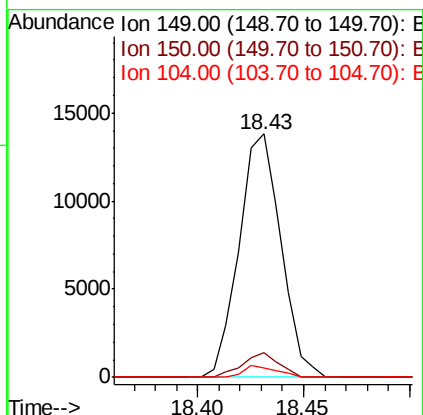
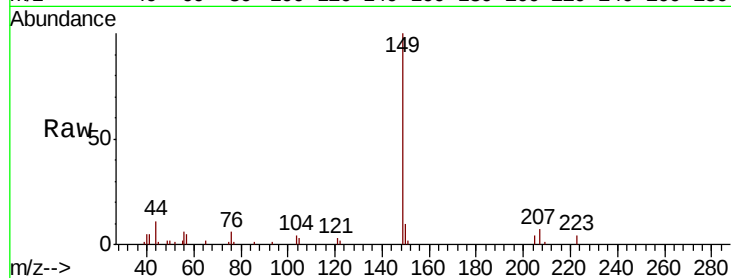




#74
Di-n-butylphthalate
Concen: 0.888 ng
RT: 18.43 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

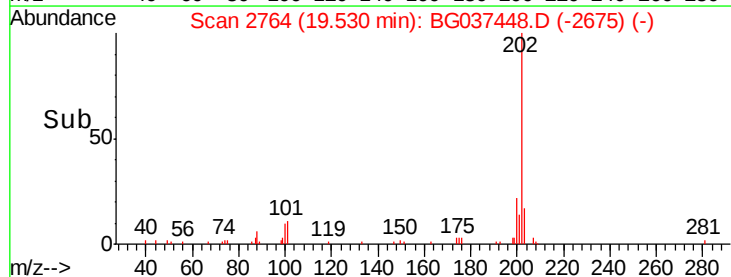
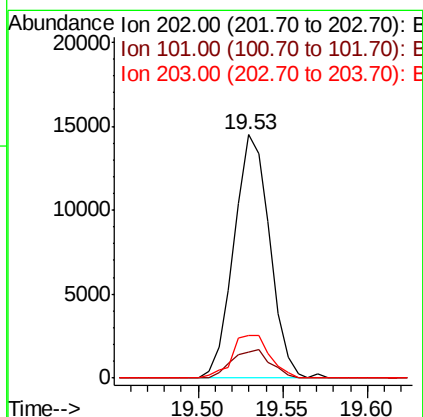
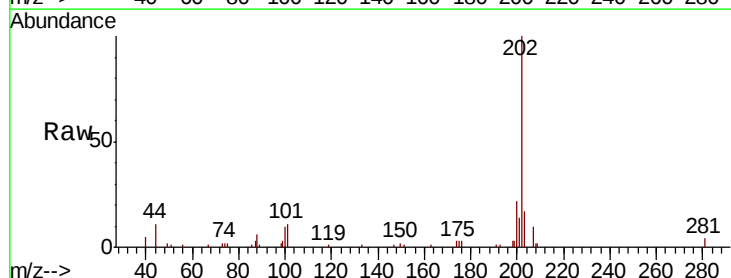
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

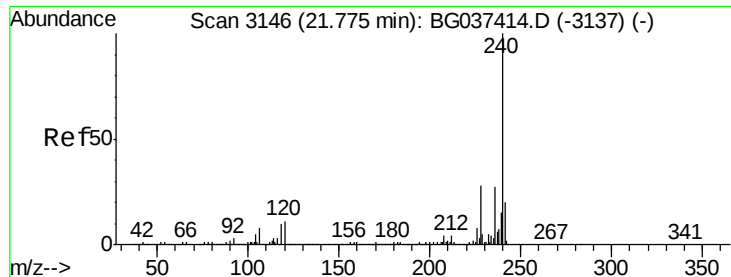
Tgt Ion:149 Resp: 18981
Ion Ratio Lower Upper
149 100
150 10.3 8.2 12.2
104 3.7 4.0 6.0#



#75
Fluoranthene
Concen: 0.964 ng
RT: 19.53 min Scan# 2764
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:202 Resp: 21404
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.7
203 17.5 0.0 38.5

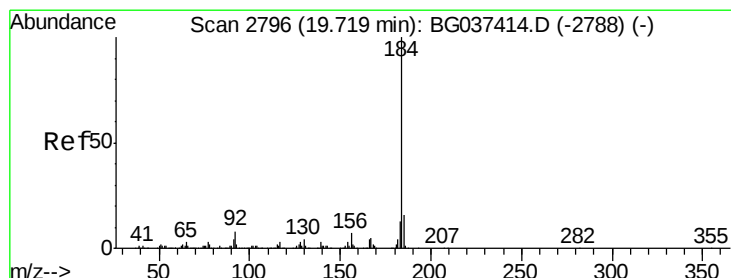
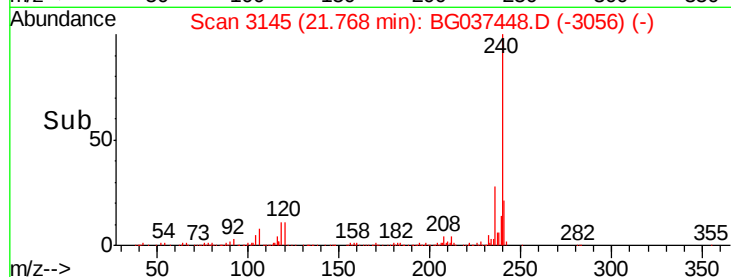
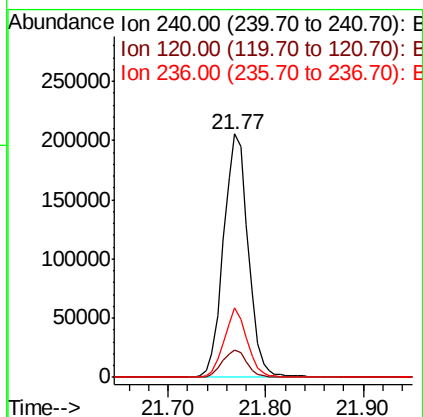
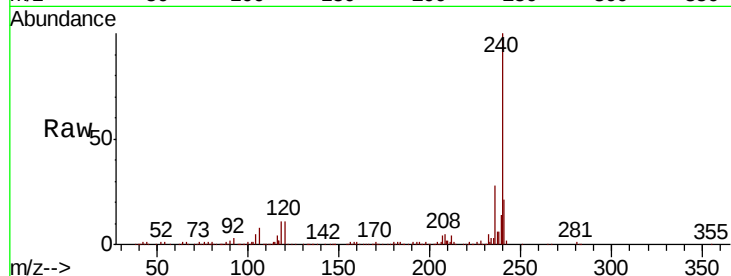




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

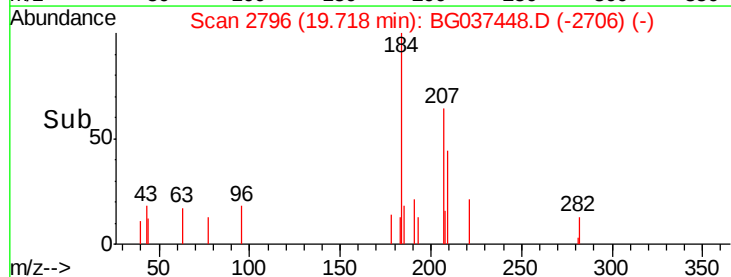
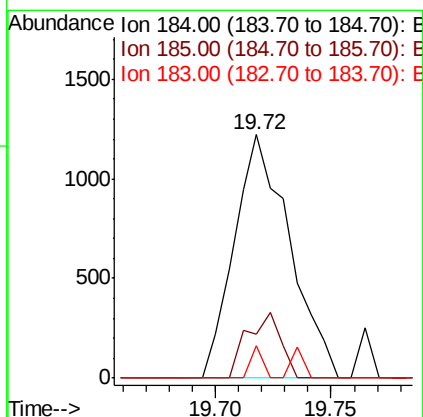
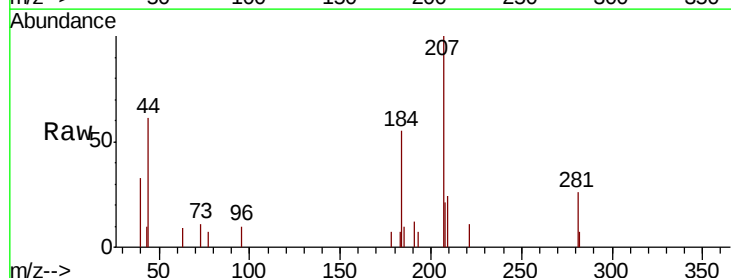
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

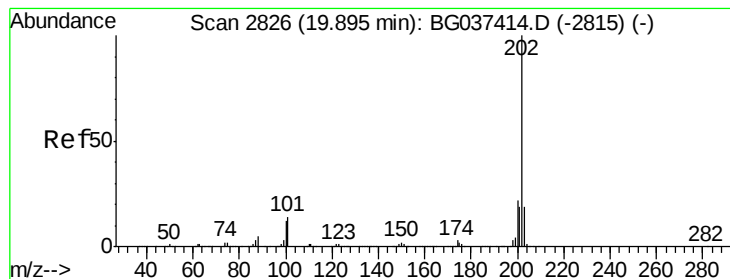
Tgt Ion:240 Resp: 359834
Ion Ratio Lower Upper
240 100
120 11.5 8.1 12.1
236 28.5 21.4 32.0



#77
Benzidine
Concen: 0.167 ng
RT: 19.72 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:184 Resp: 2039
Ion Ratio Lower Upper
184 100
185 17.8 12.6 18.8
183 13.1 10.2 15.2





#78

Pyrene

Concen: 0.996 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

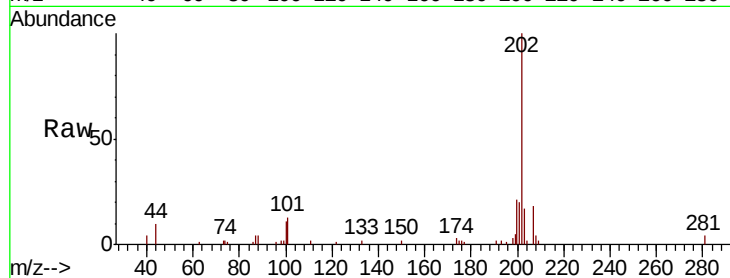
Tgt Ion:202 Resp: 23435

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

203 16.7 15.2 22.8

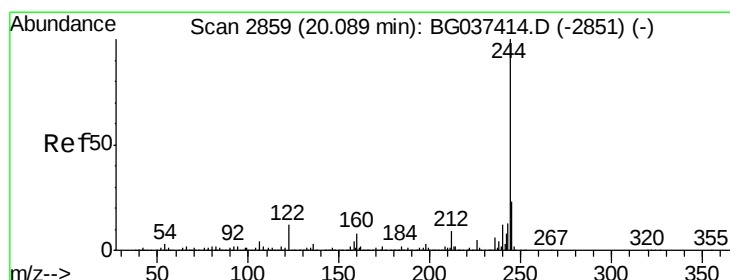
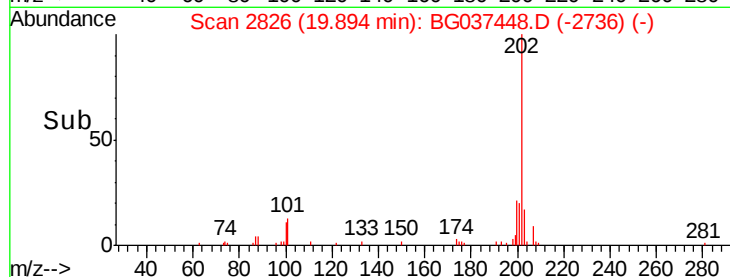
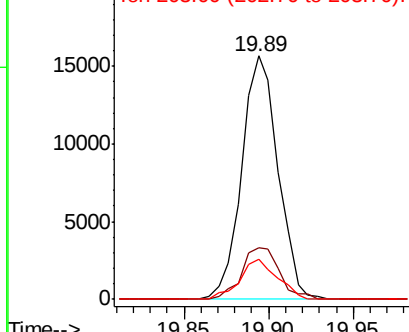


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 78.578 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

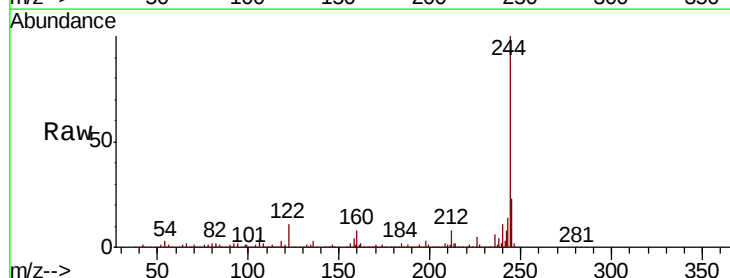
Tgt Ion:244 Resp: 1323264

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

122 11.0 9.0 13.4

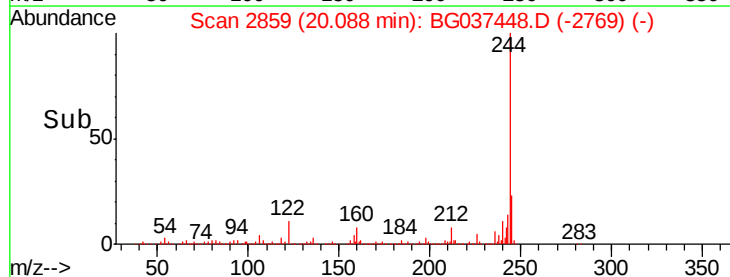
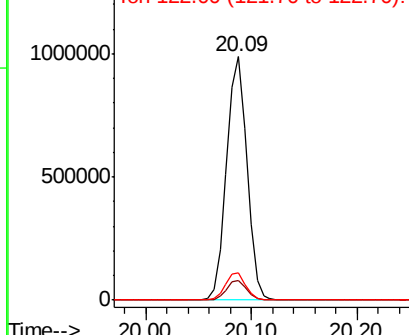


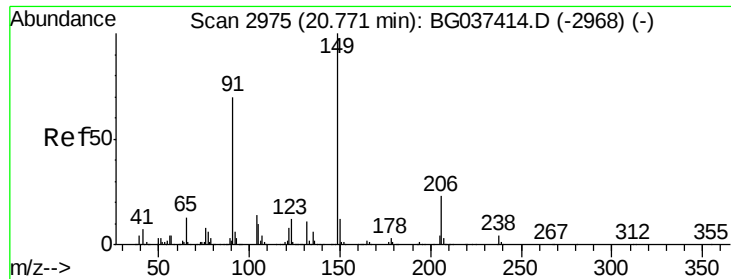
Abundance

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

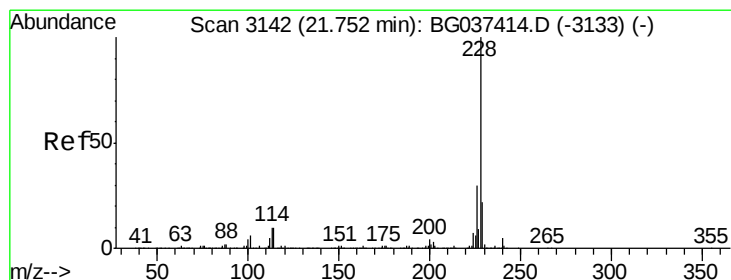
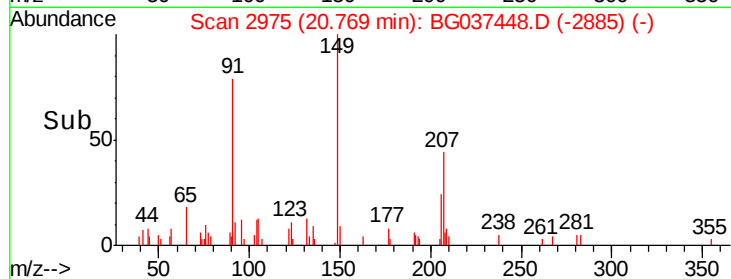
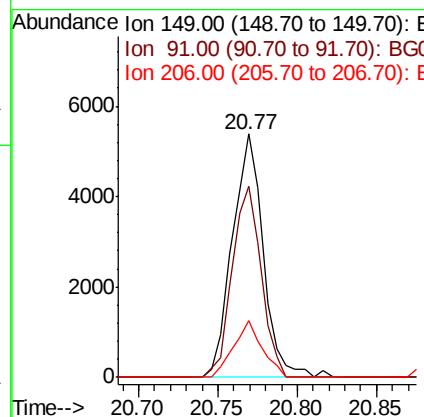
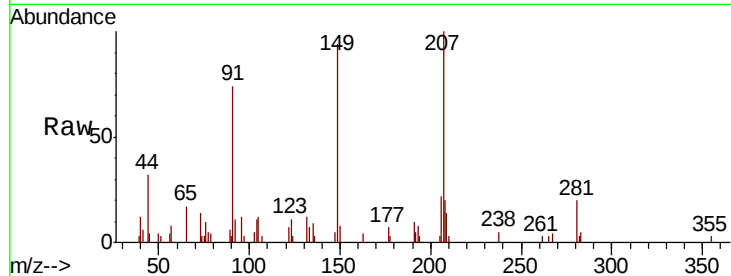




#80
Butylbenzylphthalate
Concen: 0.754 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

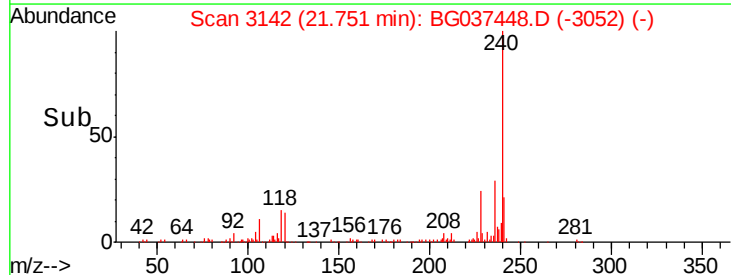
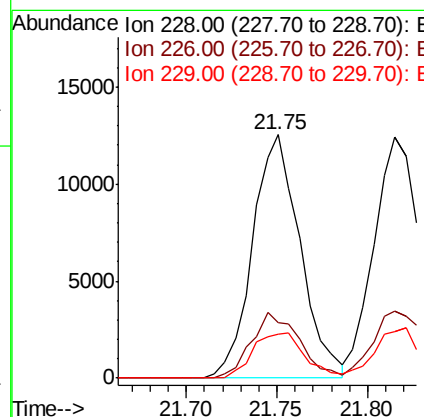
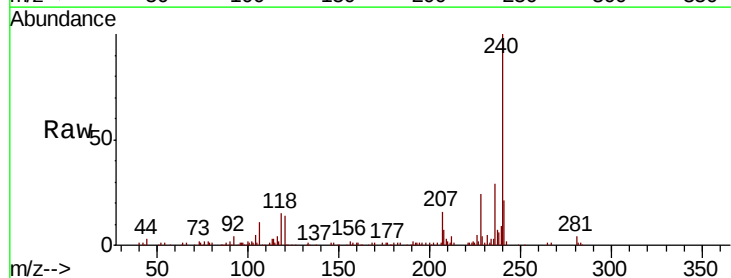
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

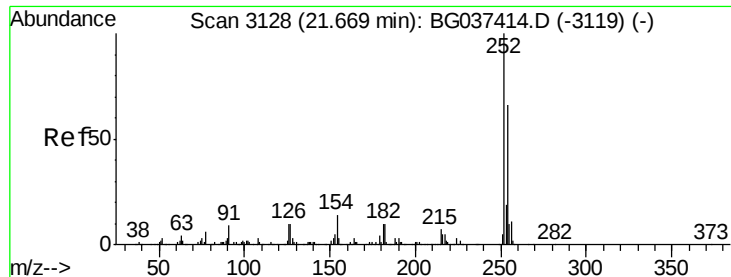
Tgt Ion:149 Resp: 7263
Ion Ratio Lower Upper
149 100
91 78.7 57.0 85.4
206 23.6 17.8 26.6



#81
Benzo(a)anthracene
Concen: 1.074 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037448.D
Acq: 19 Oct 2018 11:24

Tgt Ion:228 Resp: 22850
Ion Ratio Lower Upper
228 100
226 22.7 22.6 33.8
229 18.0 16.3 24.5

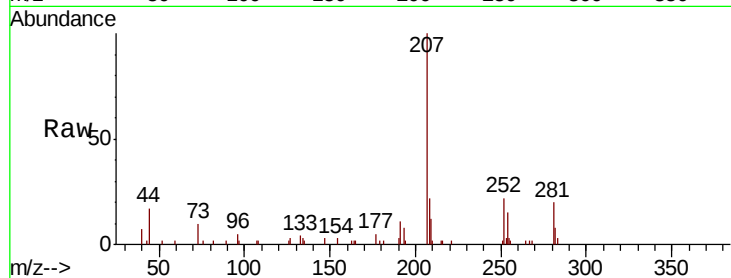




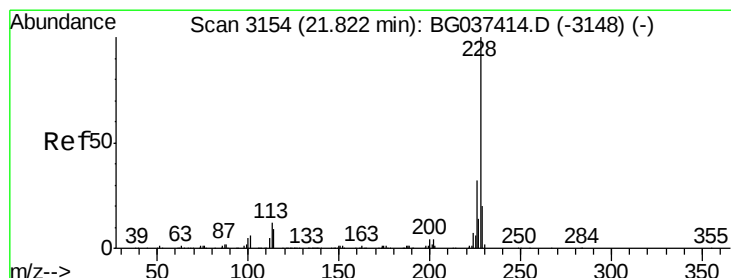
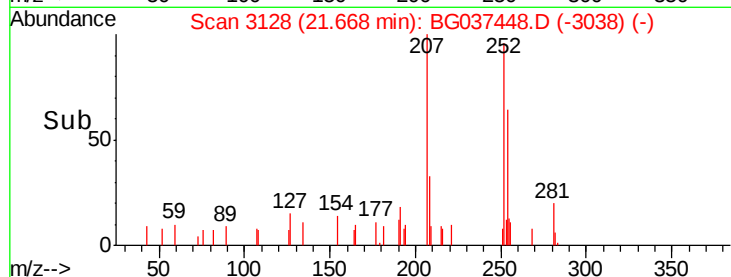
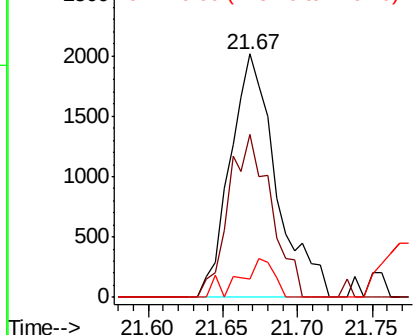
#82
 3,3'-Dichlorobenzidine
 Concen: 0.525 ng
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.00 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

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

Tgt Ion:252 Resp: 4330
 Ion Ratio Lower Upper
 252 100
 254 66.7 52.0 78.0
 126 7.5 8.2 12.4#

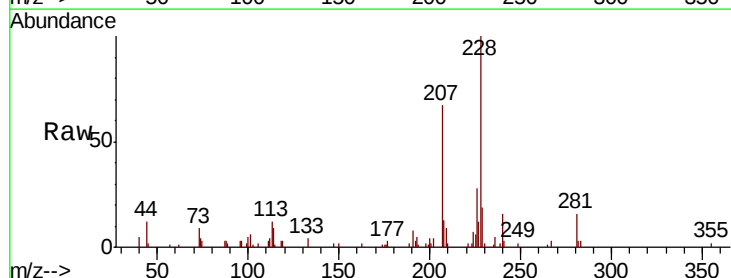


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

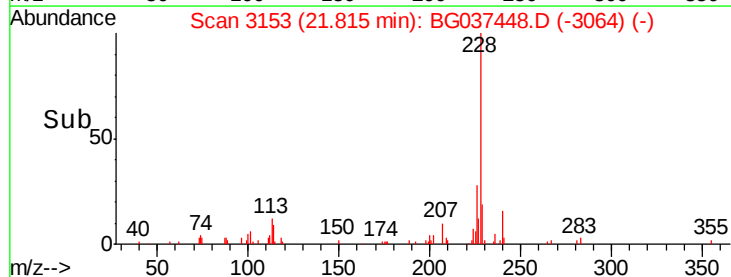
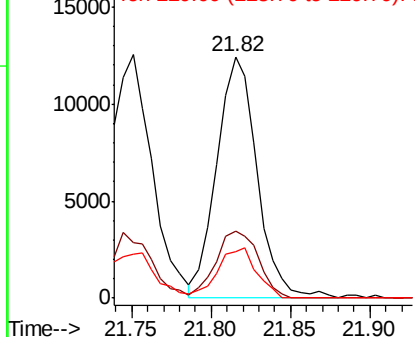


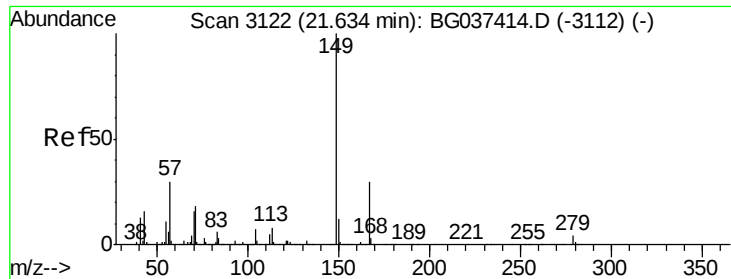
#83
 Chrysene
 Concen: 1.073 ng
 RT: 21.82 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion:228 Resp: 21959
 Ion Ratio Lower Upper
 228 100
 226 27.6 25.7 38.5
 229 19.5 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

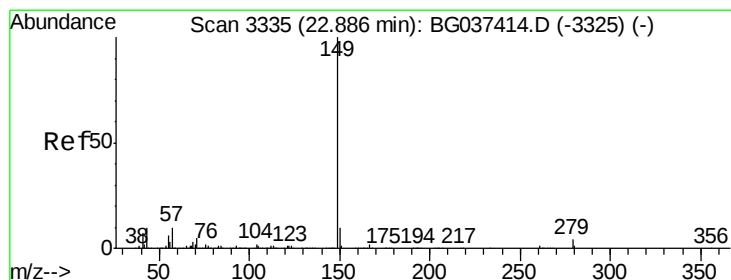
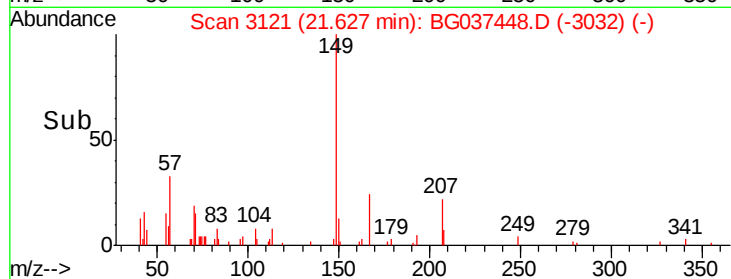
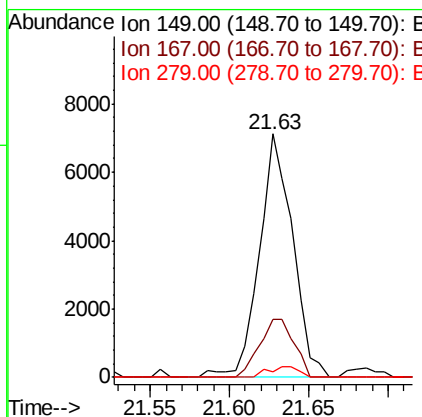
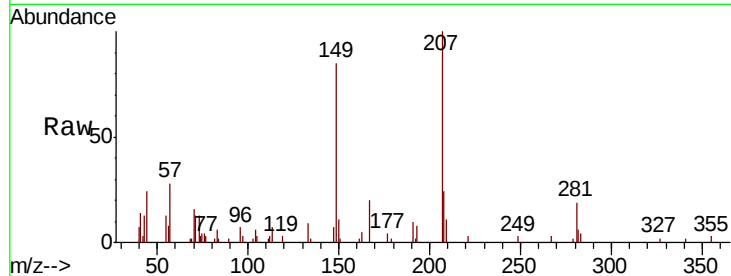




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.772 ng
 RT: 21.63 min Scan# 3121
 Delta R.T. -0.01 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

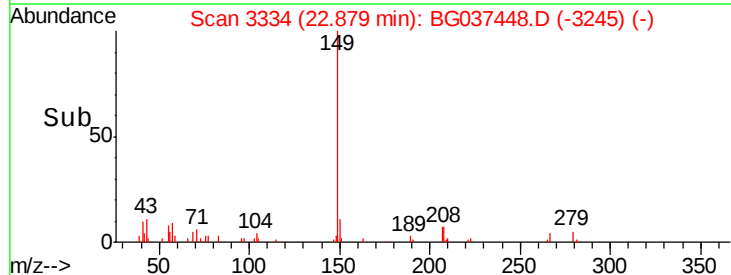
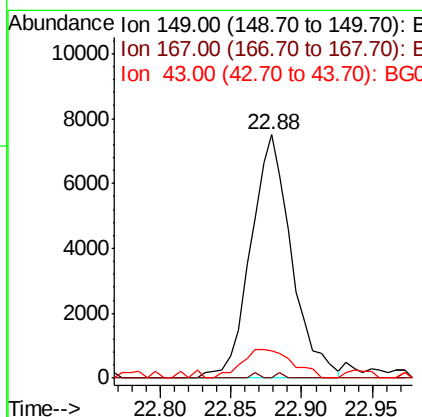
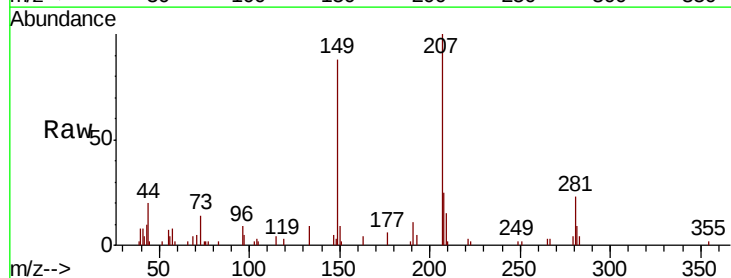
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

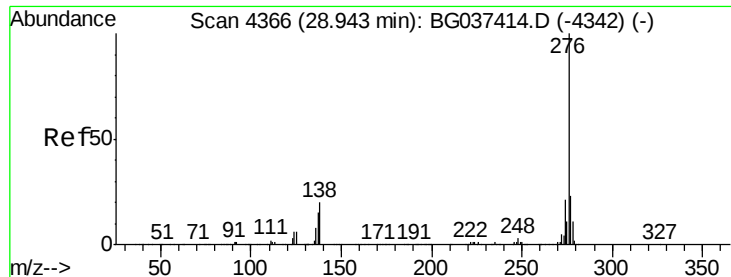
Tgt Ion:149 Resp: 10416
 Ion Ratio Lower Upper
 149 100
 167 23.8 23.0 34.4
 279 2.3 3.6 5.4#



#85
 Di-n-octyl phthalate
 Concen: 0.686 ng
 RT: 22.88 min Scan# 3334
 Delta R.T. -0.01 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion:149 Resp: 15105
 Ion Ratio Lower Upper
 149 100
 167 0.4 1.3 1.9#
 43 0.0 8.7 13.1#

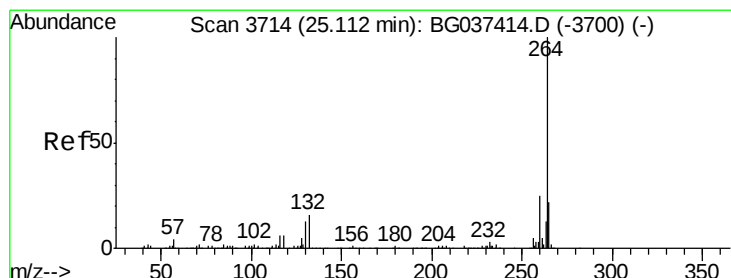
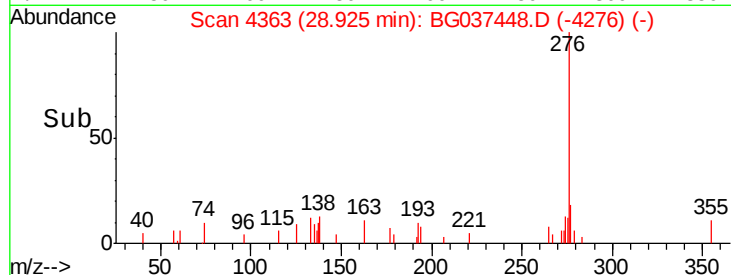
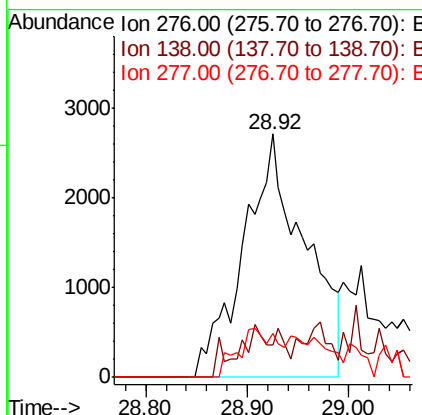
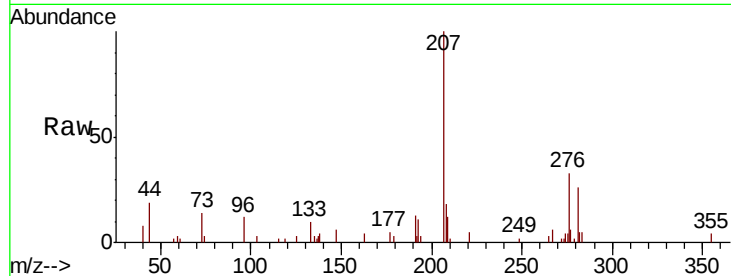




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.520 ng
 RT: 28.92 min Scan# 4363
 Delta R.T. -0.02 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

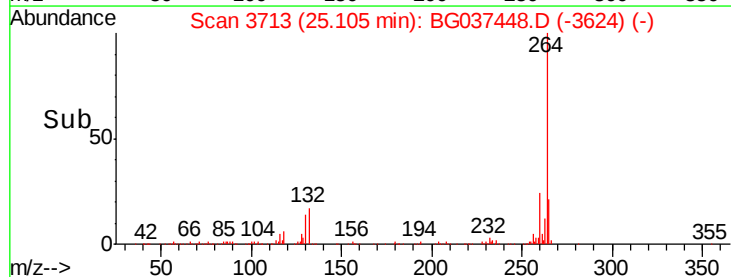
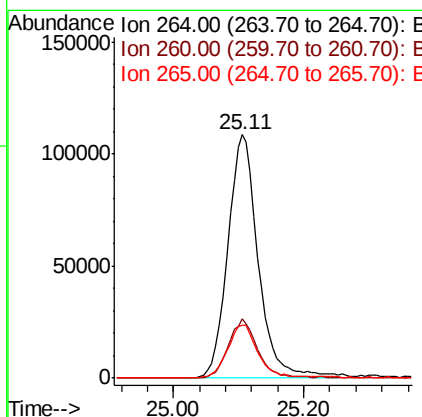
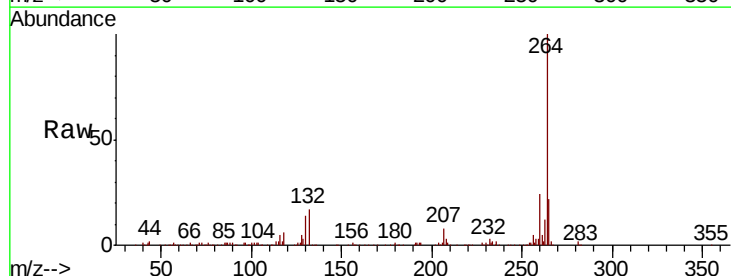
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

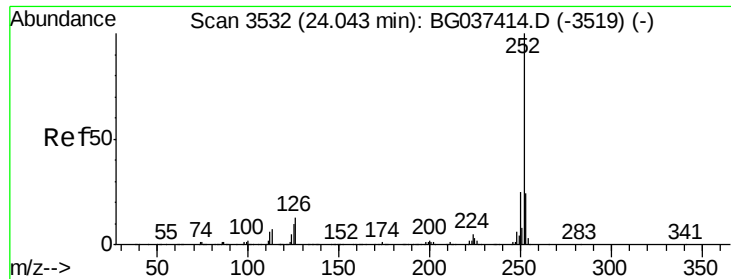
Tgt Ion: 276 Resp: 11409
 Ion Ratio Lower Upper
 276 100
 138 8.3 12.0 18.0#
 277 12.8 20.6 30.8#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037448.D
 Acq: 19 Oct 2018 11:24

Tgt Ion: 264 Resp: 350533
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.2 27.4
 265 21.7 17.9 26.9





#88

Benzo(b)fluoranthene

Concen: 1.058 ng

RT: 24.10 min Scan# 3542

Delta R.T. 0.06 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

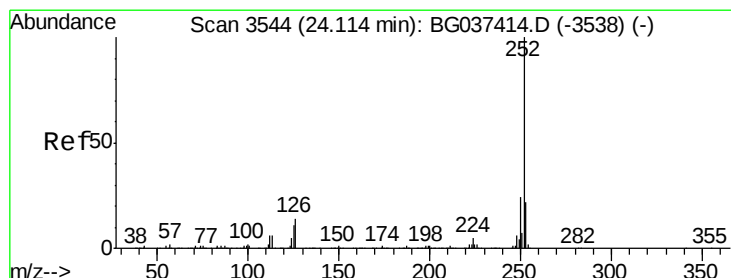
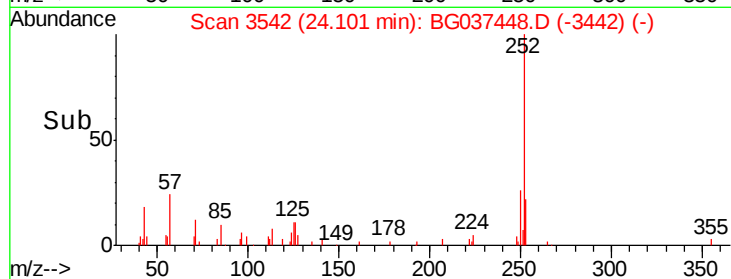
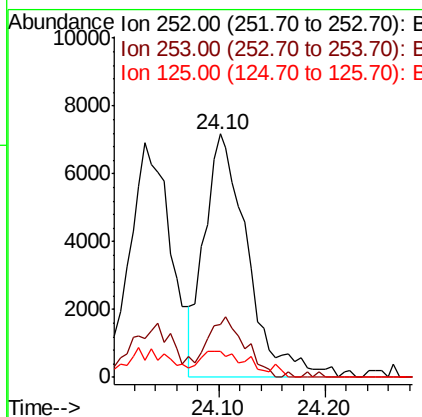
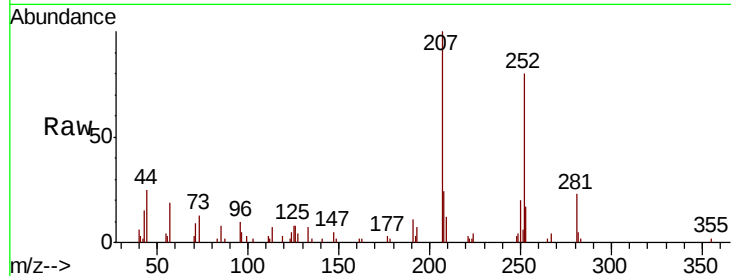
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	252	Resp:	20329
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	10.7	7.8	11.6



#89

Benzo(k)fluoranthene

Concen: 1.080 ng

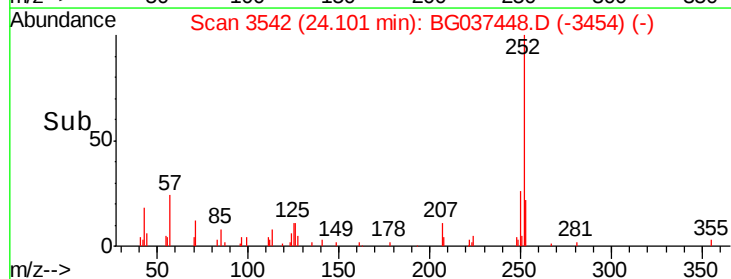
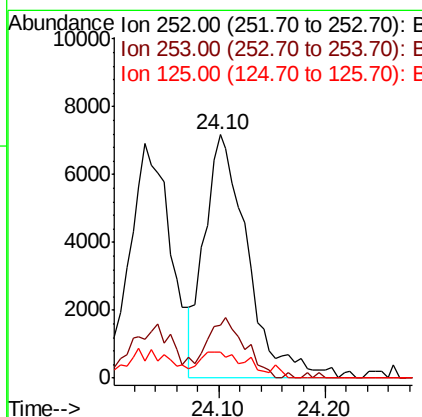
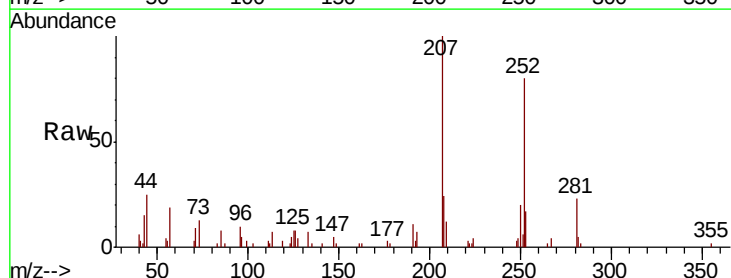
RT: 24.10 min Scan# 3542

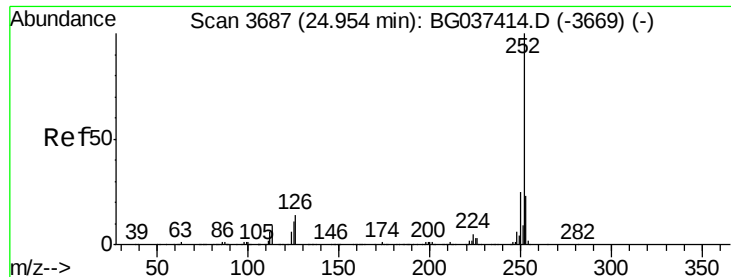
Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Tgt Ion:	252	Resp:	20329
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.7	7.4	11.0





#90

Benzo(a)pyrene

Concen: 1.023 ng

RT: 24.95 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

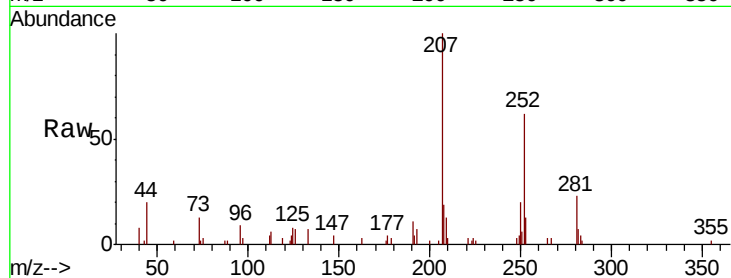
Tgt Ion:252 Resp: 18690

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

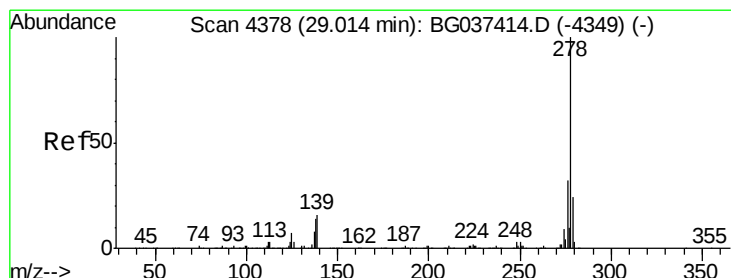
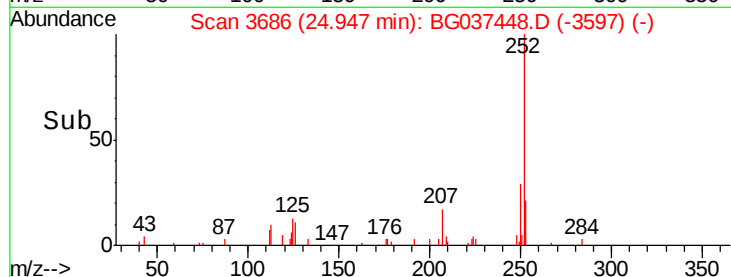
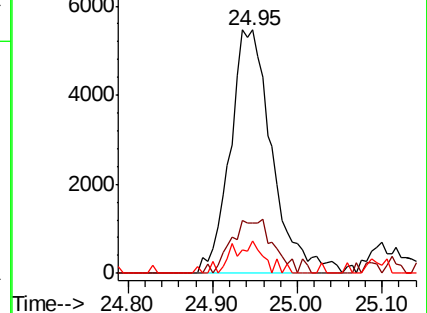
125 13.2 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.373 ng

RT: 29.00 min Scan# 4376

Delta R.T. -0.01 min

Lab File: BG037448.D

Acq: 19 Oct 2018 11:24

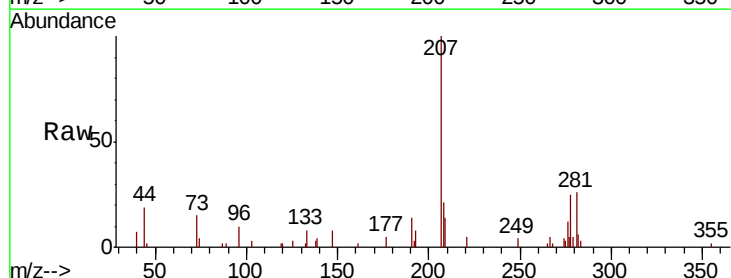
Tgt Ion:278 Resp: 6288

Ion Ratio Lower Upper

278 100

139 16.9 11.5 17.3

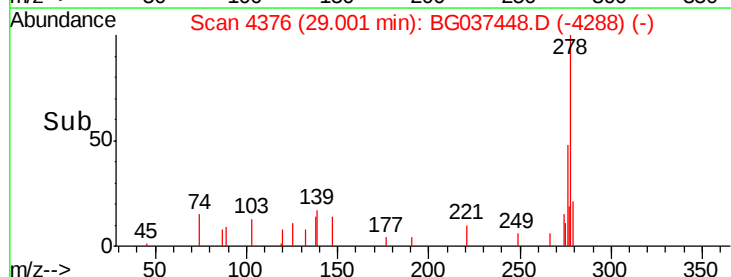
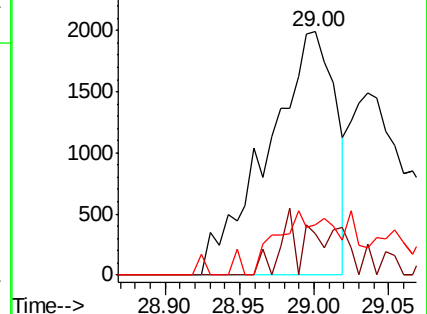
279 20.9 18.6 27.8

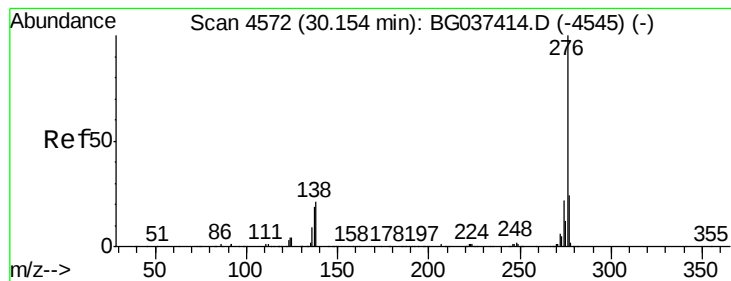


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 0.453 ng

RT: 30.13 min Scan# 4569

Delta R.T. -0.02 min

Lab File: BG037448.D

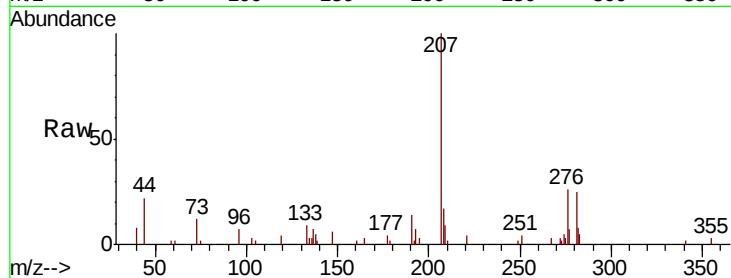
Acq: 19 Oct 2018 11:24

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018



Tgt Ion: 276 Resp: 7721

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 25.8 17.2 25.8

