

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037449.D
 Acq On : 19 Oct 2018 12:03
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 2PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Oct 19 23:28:05 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	49352	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	230922	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	152672	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	379644	20.00	ng	0.00
76) Chrysene-d12	21.77	240	354097	20.00	ng	0.00
87) Perylene-d12	25.11	264	347445	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	403413	136.66	ng	0.00
7) Phenol-d6	7.25	99	592768	132.80	ng	0.00
23) Nitrobenzene-d5	9.29	82	340421	82.58	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	229586	137.87	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	844548	83.42	ng	0.00
79) Terphenyl-d14	20.09	244	1302416	78.59	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.75	88	482	0.322	ng	86
3) Pyridine	3.95	79	6513	1.726	ng	# 89
4) n-Nitrosodimethylamine	3.87	42	3224	2.399	ng	# 72
6) Aniline	7.43	93	6601	1.212	ng	# 82
8) 2-Chlorophenol	7.66	128	7235	2.095	ng	96
9) Benzaldehyde	7.25	77	5976	2.140	ng	91
10) Phenol	7.28	94	9868	2.095	ng	91
11) bis(2-Chloroethyl)ether	7.52	93	6830	1.909	ng	96
12) 1,3-Dichlorobenzene	8.14	146	7831	2.037	ng	95
13) 1,4-Dichlorobenzene	8.14	146	7831	1.991	ng	94
14) 1,2-Dichlorobenzene	8.46	146	7338	1.940	ng	98
15) Benzyl Alcohol	8.35	79	5664	1.717	ng	91
16) 2,2'-oxybis(1-Chloropropan	8.62	45	13784	2.154	ng	96
17) 2-Methylphenol	8.53	107	5951	1.911	ng	90
18) Hexachloroethane	9.19	117	2513	1.874	ng	94
19) n-Nitroso-di-n-propylamine	8.91	70	5714	1.859	ng	91
20) 3+4-Methylphenols	8.86	107	7964	1.789	ng	94
22) Acetophenone	8.94	105	11097	1.916	ng	# 95
24) Nitrobenzene	9.33	77	9071	2.118	ng	96
25) Isophorone	9.84	82	16006	2.125	ng	# 98
26) 2-Nitrophenol	10.04	139	2976	1.543	ng	# 87
27) 2,4-Dimethylphenol	10.07	122	6470	1.878	ng	92
28) bis(2-Chloroethoxy)methane	10.33	93	10551	2.138	ng	# 95
29) 2,4-Dichlorophenol	10.56	162	6727	1.754	ng	94
30) 1,2,4-Trichlorobenzene	10.78	180	8495	2.037	ng	# 84
31) Naphthalene	10.98	128	25277	2.229	ng	98
32) Benzoic acid	10.14	122	486	0.217	ng	# 19
33) 4-Chloroaniline	11.09	127	6959	1.306	ng	94
34) Hexachlorobutadiene	11.24	225	5075	2.053	ng	# 86
35) Caprolactam	11.85	113	2037	1.324	ng	# 61
36) 4-Chloro-3-methylphenol	12.18	107	7421	1.716	ng	93
37) 2-Methylnaphthalene	12.58	142	17917	2.167	ng	95
38) 1-Methylnaphthalene	12.79	142	17496	2.179	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	9461	1.921	ng	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	4263	1.812	ng	97
43) 2,4,6-Trichlorophenol	13.17	196	5153	1.566	ng	94
44) 2,4,5-Trichlorophenol	13.23	196	6155	1.718	ng	89
46) 1,1'-Biphenyl	13.58	154	26144	2.068	ng	97
47) 2-Chloronaphthalene	13.62	162	19165	2.004	ng	92
48) 2-Nitroaniline	13.83	65	4922	1.697	ng	99
49) Acenaphthylene	14.47	152	32036	2.226	ng	95
50) Dimethylphthalate	14.19	163	25218	2.135	ng	# 96
51) 2,6-Dinitrotoluene	14.31	165	4260	1.630	ng	91
52) Acenaphthene	14.80	154	19176	2.164	ng	95
53) 3-Nitroaniline	14.64	138	4118	1.420	ng	# 95
55) Dibenzofuran	15.14	168	32916	2.242	ng	93
56) 4-Nitrophenol	14.93	139	1667	0.776	ng	# 64
57) 2,4-Dinitrotoluene	15.09	165	5143	1.500	ng	# 84
58) Fluorene	15.78	166	24935	2.268	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.36	232	4892	1.595	ng	# 95
60) Diethylphthalate	15.54	149	24207	1.996	ng	# 97
61) 4-Chlorophenyl-phenylether	15.77	204	13191	2.058	ng	97
62) 4-Nitroaniline	15.81	138	4611	1.600	ng	97
63) Azobenzene	16.07	77	25090	2.169	ng	94
65) 4,6-Dinitro-2-methylphenol	15.85	198	755	8.819	ng	82
66) n-Nitrosodiphenylamine	15.98	169	21326	1.867	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	7894	1.893	ng	91
68) Hexachlorobenzene	16.78	284	8425	1.950	ng	# 91
69) Atrazine	16.92	200	7230	1.751	ng	94
70) Pentachlorophenol	17.13	266	1508	0.521	ng	# 47
71) Phenanthrene	17.53	178	44082	2.285	ng	99
72) Anthracene	17.62	178	42984	2.270	ng	96
73) Carbazole	17.89	167	35872	1.894	ng	96
74) Di-n-butylphthalate	18.43	149	39128	1.857	ng	# 94
75) Fluoranthene	19.53	202	48610	2.221	ng	94
77) Benzidine	19.71	184	4801	0.399	ng	# 90
78) Pyrene	19.90	202	47919	2.070	ng	97
80) Butylbenzylphthalate	20.77	149	15356	1.621	ng	97
81) Benzo(a)anthracene	21.75	228	44021	2.102	ng	96
82) 3,3'-Dichlorobenzidine	21.67	252	9244	1.139	ng	# 85
83) Chrysene	21.82	228	44334	2.201	ng	95
84) Bis(2-ethylhexyl)phthalate	21.63	149	20984	1.580	ng	# 96
85) Di-n-octyl phthalate	22.88	149	33960	1.568	ng	# 99
86) Indeno(1,2,3-cd)pyrene	28.93	276	23445	1.085	ng	# 55
88) Benzo(b)fluoranthene	24.10	252	41092	2.157	ng	96
89) Benzo(k)fluoranthene	24.10	252	41092	2.202	ng	98
90) Benzo(a)pyrene	24.94	252	35855	1.981	ng	97
91) Dibenzo(a,h)anthracene	29.00	278	11132	0.667	ng	# 91
92) Benzo(g,h,i)perylene	30.12	276	29041	1.719	ng	98

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

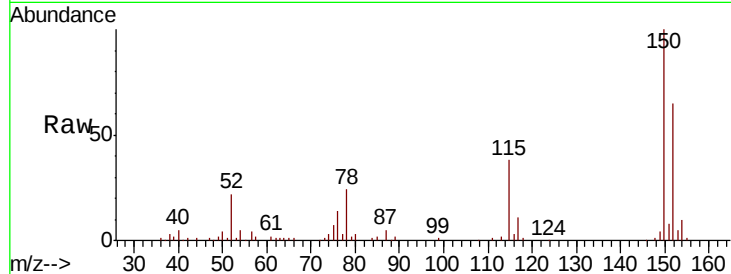


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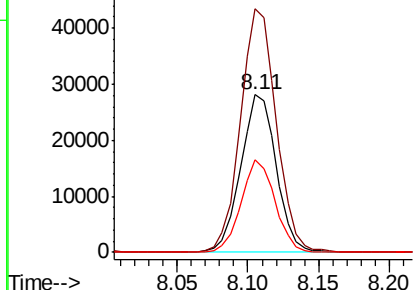
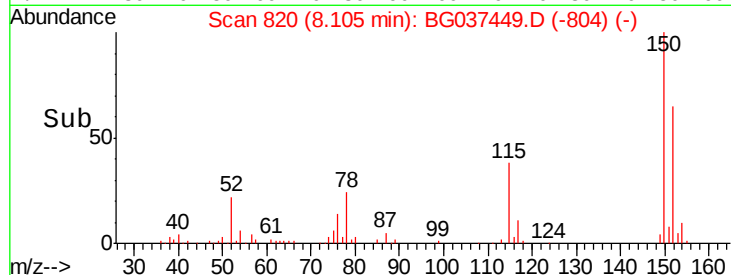
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

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

Tgt Ion:152 Resp: 49352
Ion Ratio Lower Upper
152 100
150 154.5 126.0 189.0
115 59.0 45.5 68.3



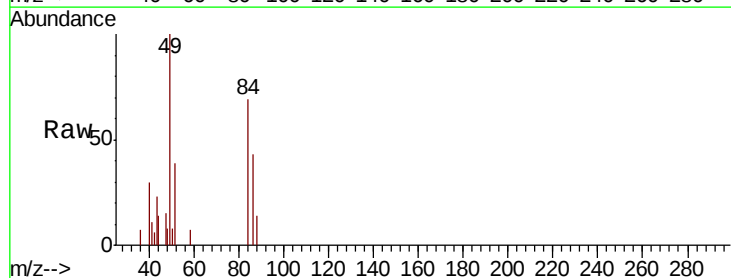
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



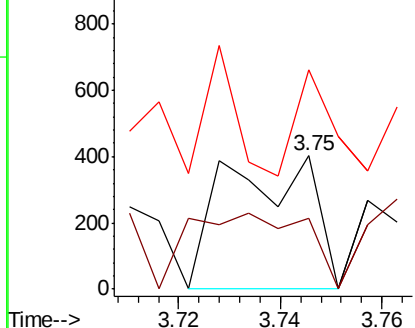
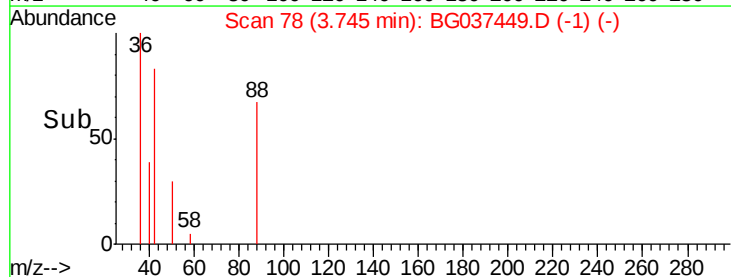
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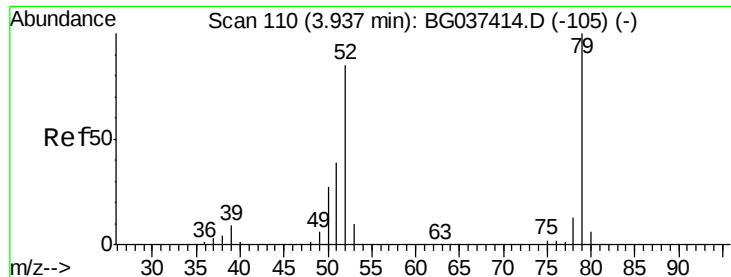
1,4-Dioxane
Concen: 0.322 ng
RT: 3.75 min Scan# 78
Delta R.T. 0.21 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion: 88 Resp: 482
Ion Ratio Lower Upper
88 100
58 75.7 74.4 111.6
43 33.2 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: 1.726 ng

RT: 3.95 min Scan# 113

Delta R.T. 0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

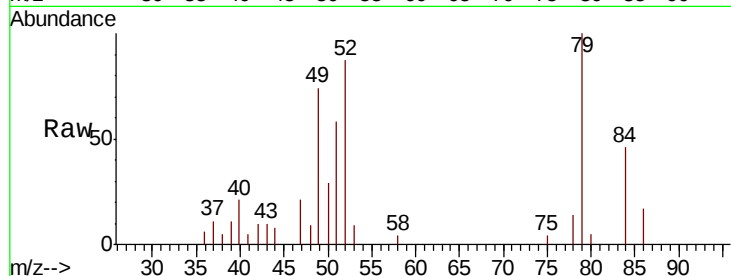
Tgt Ion: 79 Resp: 6513

Ion Ratio Lower Upper

79 100

52 87.1 74.2 111.2

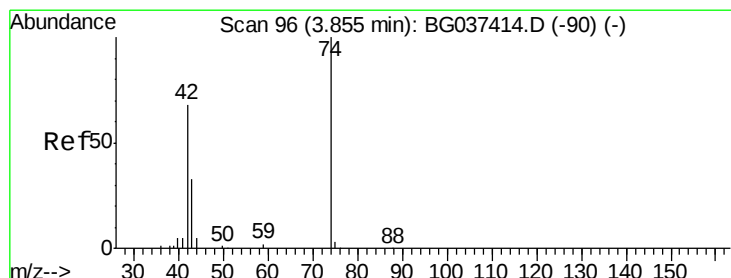
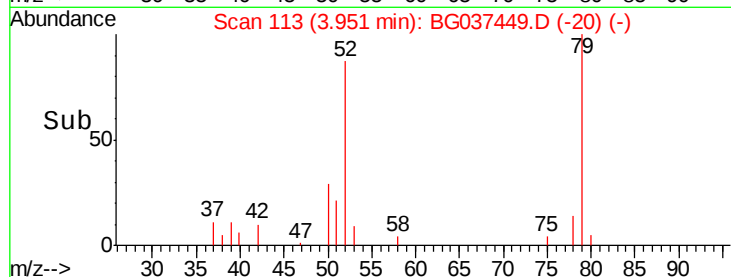
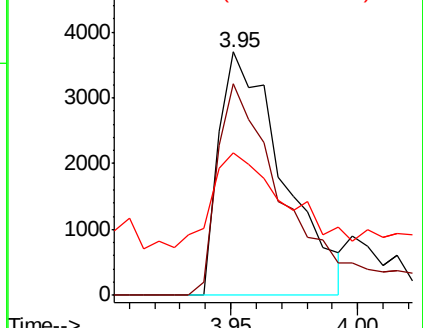
51 58.3 34.6 51.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 2.399 ng

RT: 3.87 min Scan# 99

Delta R.T. 0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

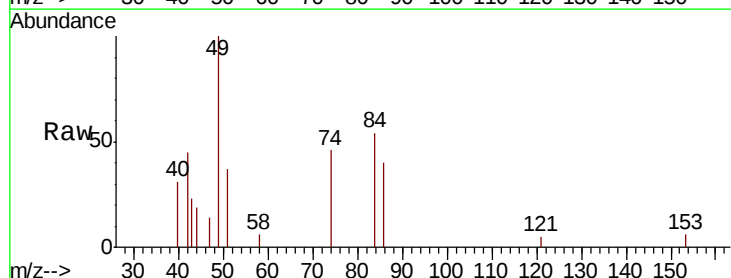
Tgt Ion: 42 Resp: 3224

Ion Ratio Lower Upper

42 100

74 100.9 102.0 153.0#

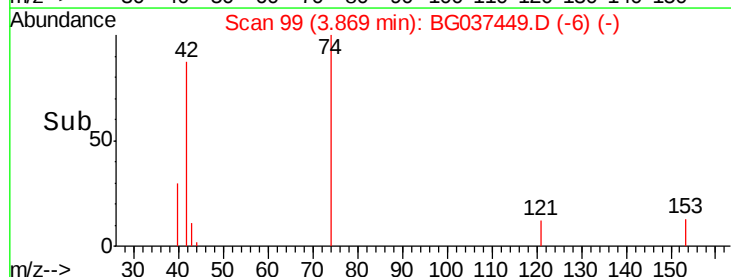
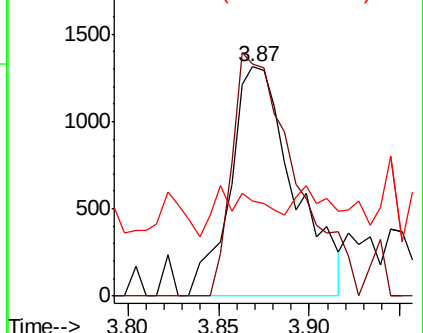
44 41.2 9.6 14.4#

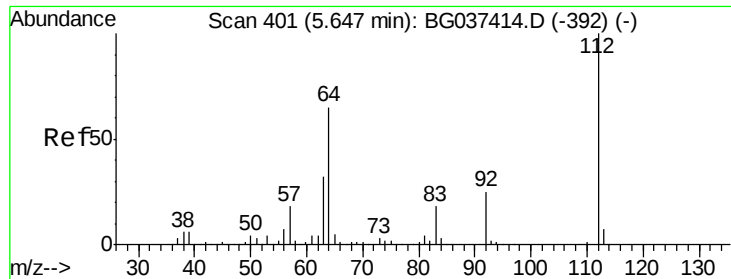


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 136.661 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

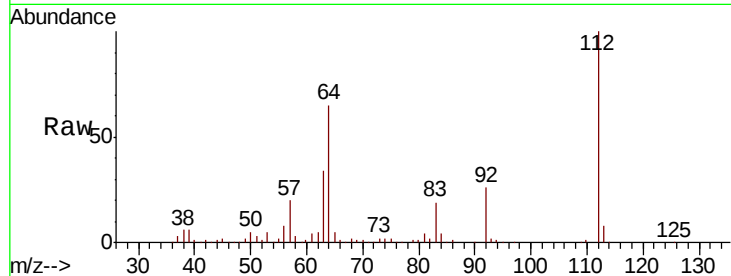
Tgt Ion: 112 Resp: 403413

Ion Ratio Lower Upper

112 100

64 65.3 53.1 79.7

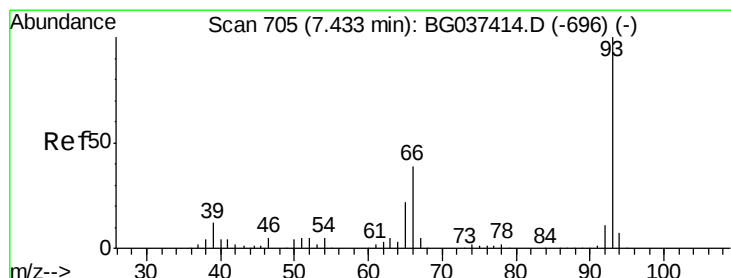
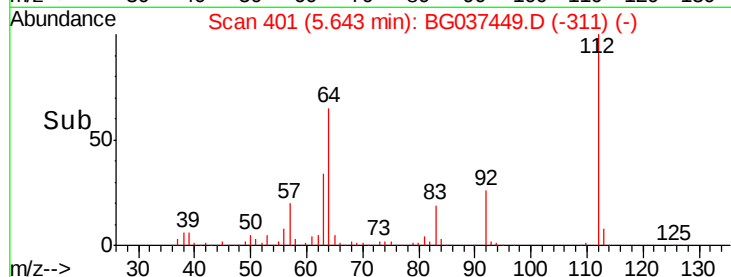
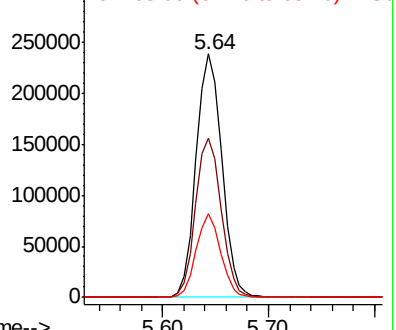
63 34.2 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 1.212 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

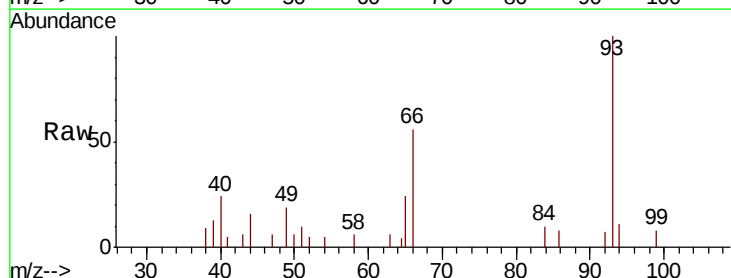
Tgt Ion: 93 Resp: 6601

Ion Ratio Lower Upper

93 100

66 55.6 32.8 49.2#

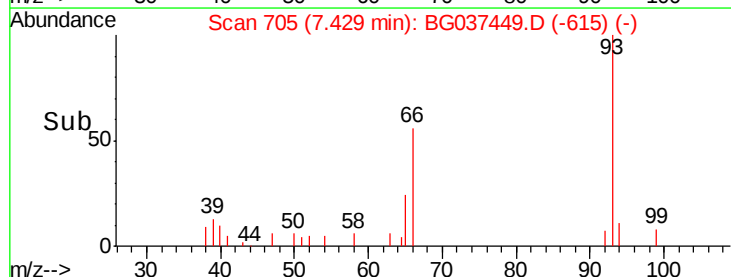
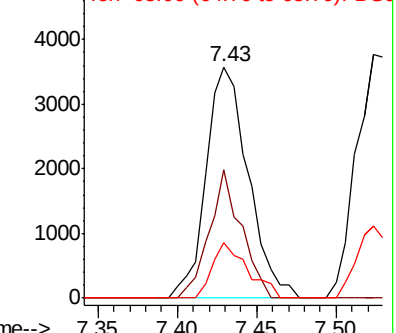
65 24.1 16.4 24.6

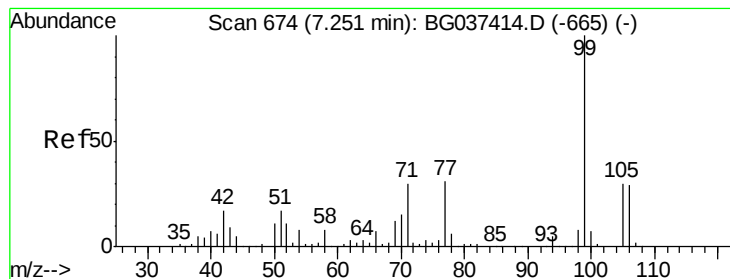


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 132.798 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037449.D

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ClientSampleId :

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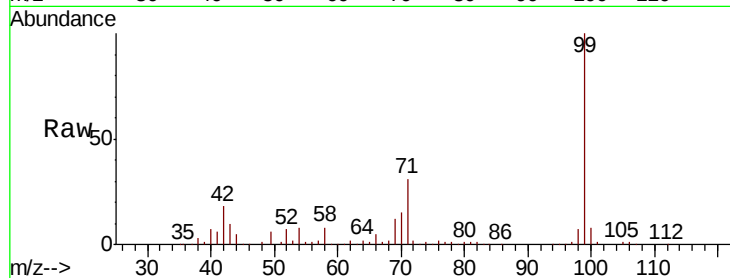
Tgt Ion: 99 Resp: 592768

Ion Ratio Lower Upper

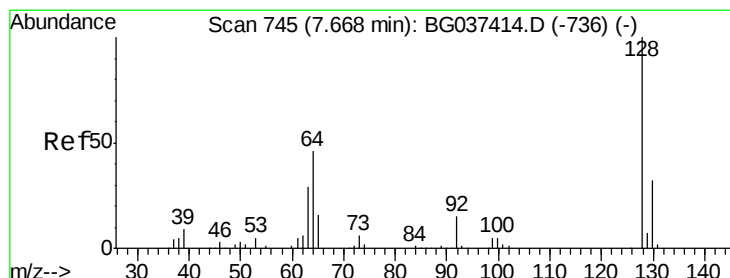
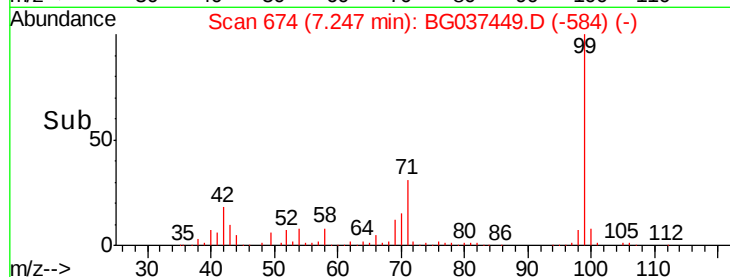
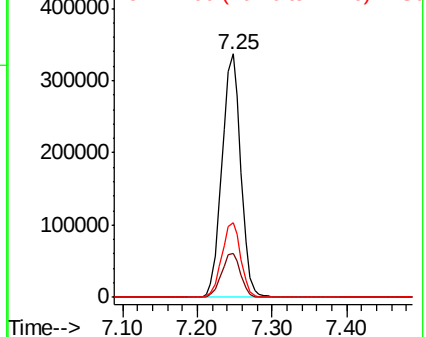
99 100

42 18.1 15.0 22.4

71 30.6 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: 2.095 ng

RT: 7.66 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

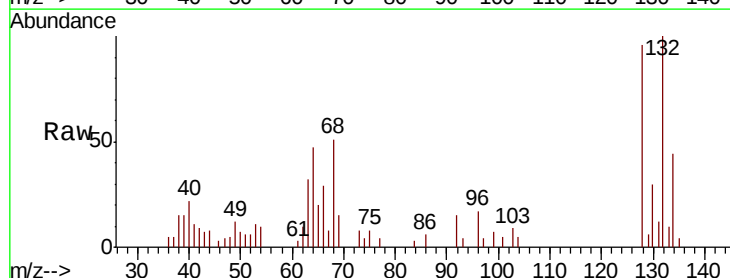
Tgt Ion: 128 Resp: 7235

Ion Ratio Lower Upper

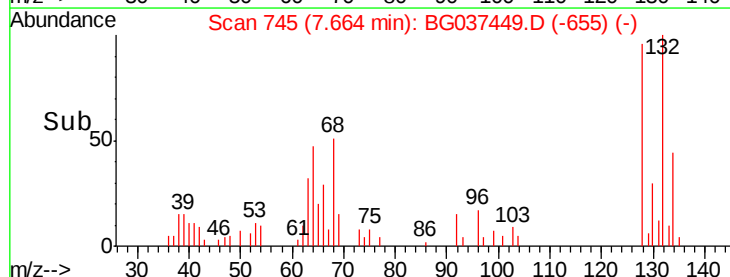
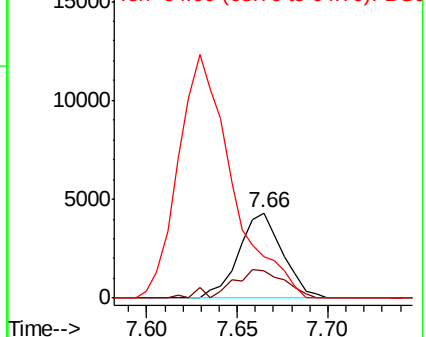
128 100

130 31.4 12.0 52.0

64 48.7 32.9 72.9



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





#9

Benzaldehyde

Concen: 2.140 ng

RT: 7.25 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

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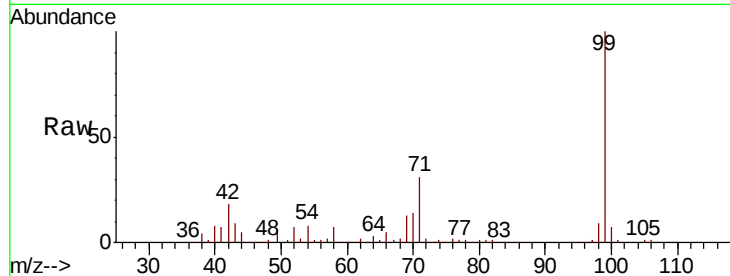
Tgt Ion: 77 Resp: 5976

Ion Ratio Lower Upper

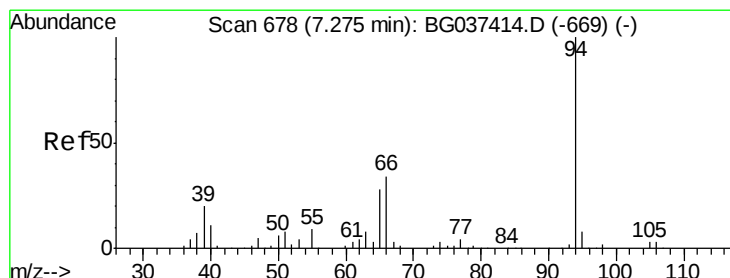
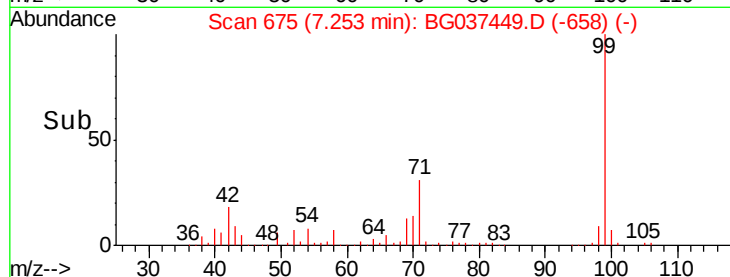
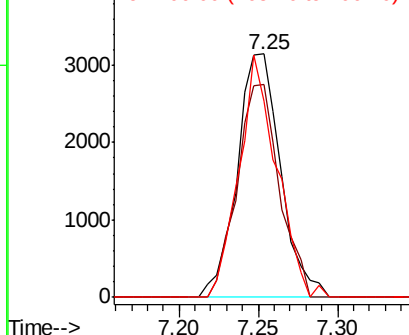
77 100

105 87.2 72.6 112.6

106 80.4 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: 2.095 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

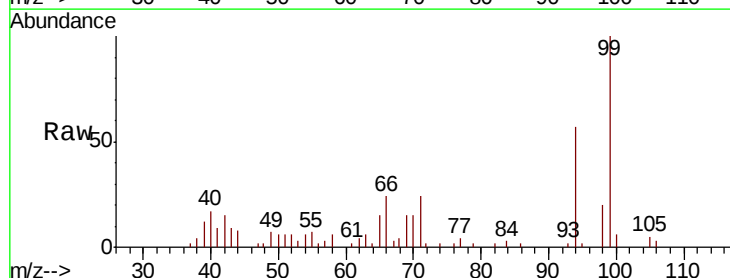
Tgt Ion: 94 Resp: 9868

Ion Ratio Lower Upper

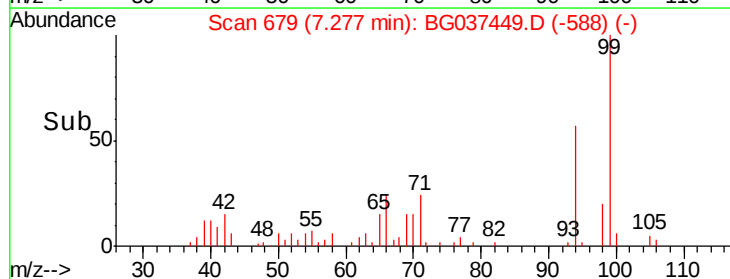
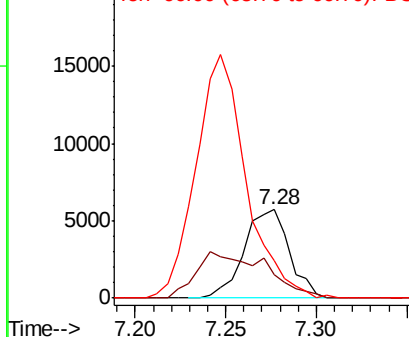
94 100

65 26.2 9.7 49.7

66 42.1 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

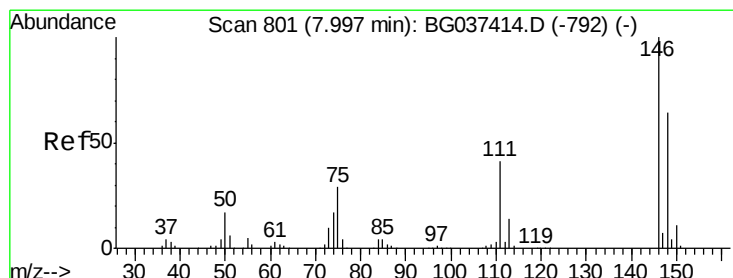
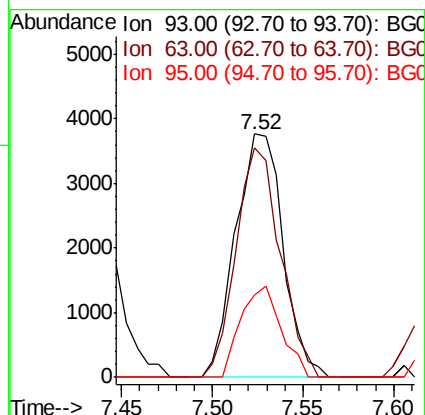
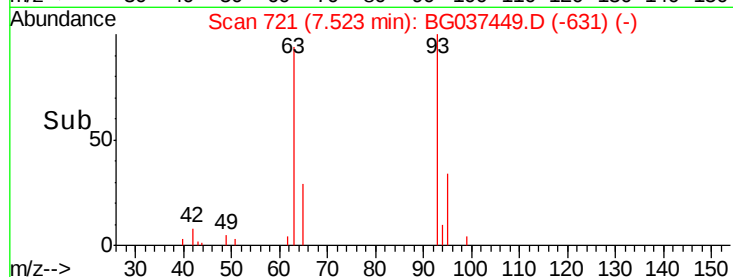
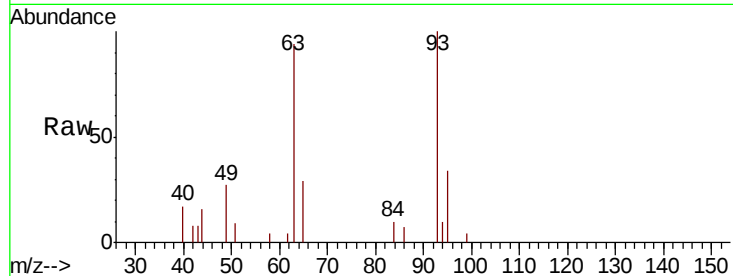




#11
 bis(2-Chloroethyl)ether
 Concen: 1.909 ng
 RT: 7.52 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

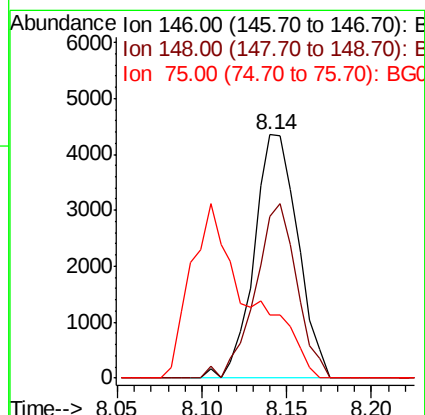
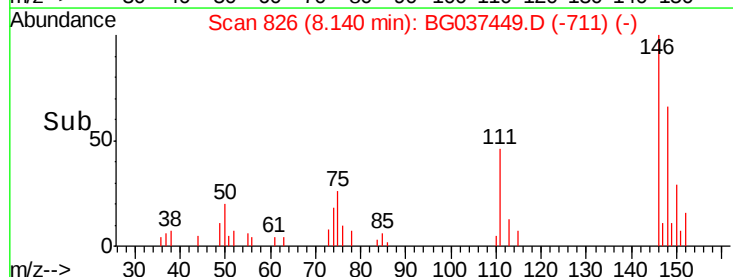
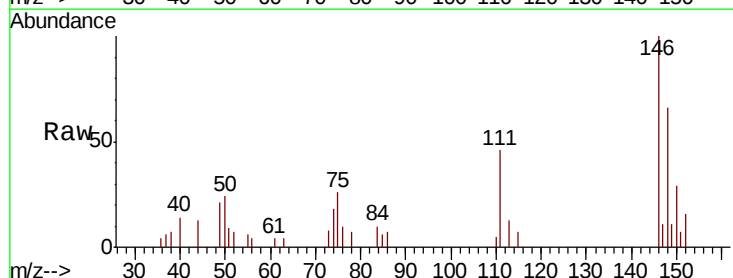
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

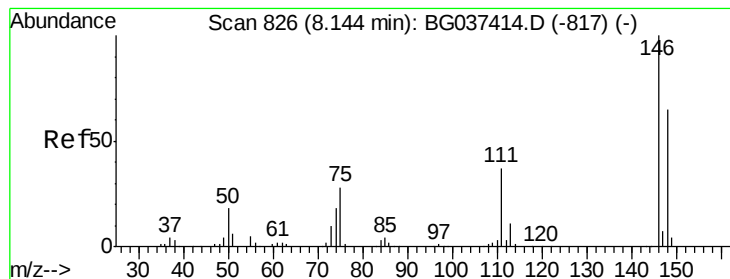
Tgt Ion: 93 Resp: 6830
 Ion Ratio Lower Upper
 93 100
 63 94.1 69.5 109.5
 95 33.8 12.6 52.6



#12
 1,3-Dichlorobenzene
 Concen: 2.037 ng
 RT: 8.14 min Scan# 826
 Delta R.T. 0.14 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

Tgt Ion: 146 Resp: 7831
 Ion Ratio Lower Upper
 146 100
 148 66.5 49.8 74.8
 75 26.0 23.2 34.8





#13

1,4-Dichlorobenzene

Concen: 1.991 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

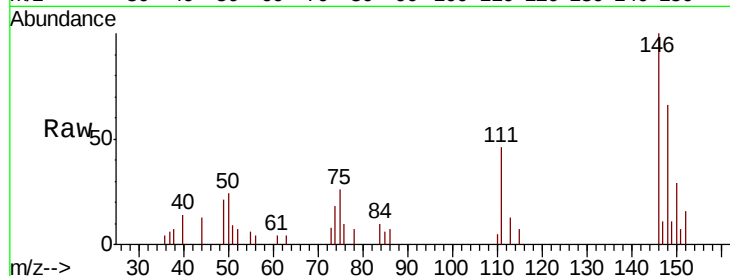
Tgt Ion:146 Resp: 7831

Ion Ratio Lower Upper

146 100

148 66.5 51.0 76.6

111 46.2 32.4 48.6

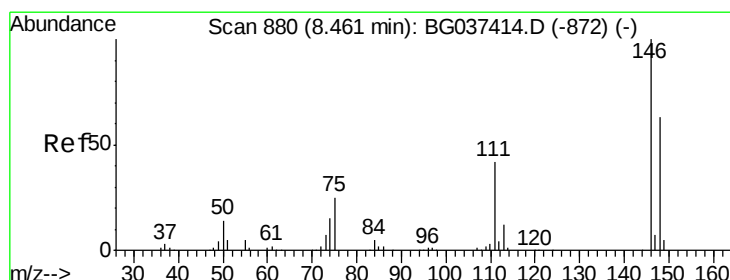
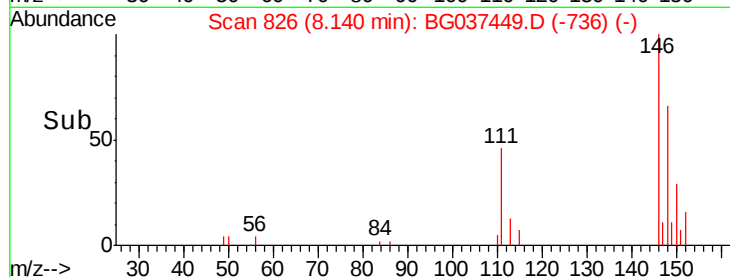
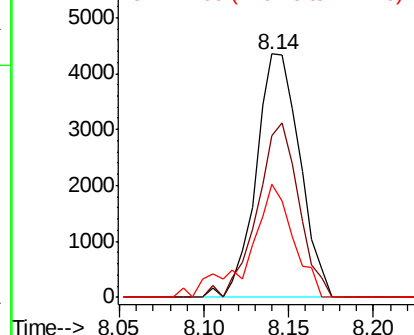


Abundance

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: 1.940 ng

RT: 8.46 min Scan# 881

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

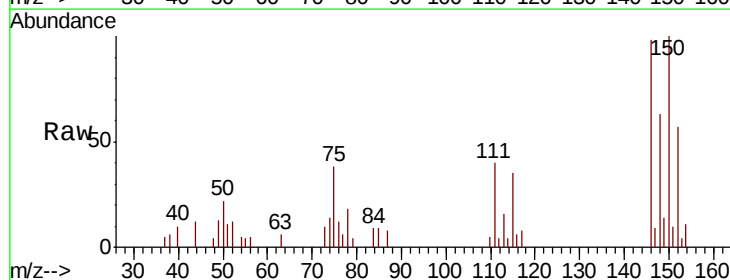
Tgt Ion:146 Resp: 7338

Ion Ratio Lower Upper

146 100

148 64.0 50.4 75.6

111 41.0 34.6 51.8

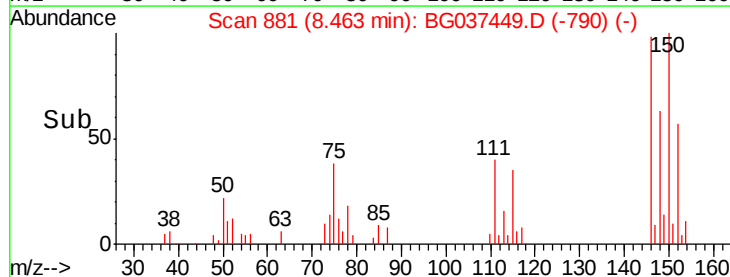
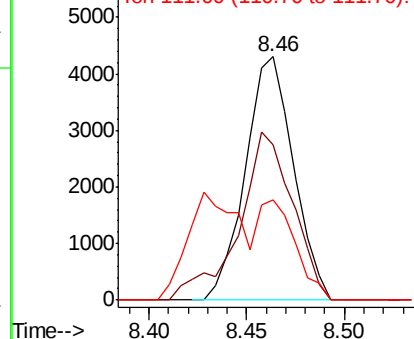


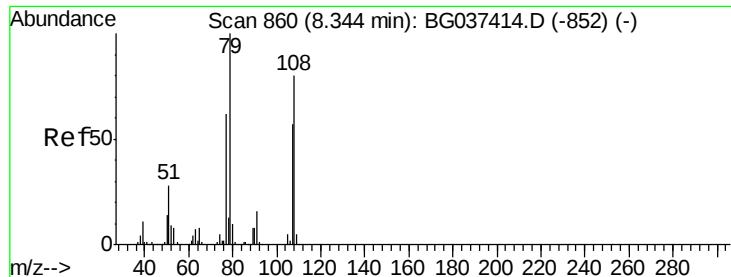
Abundance

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: 1.717 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

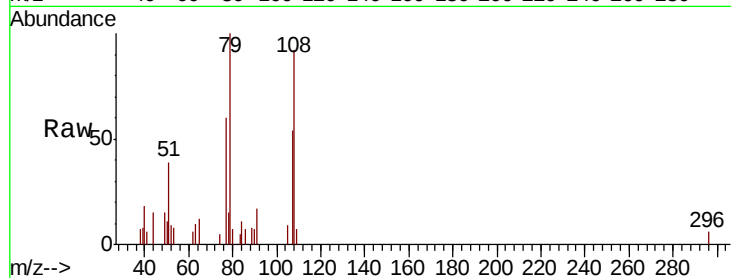
Tgt Ion: 79 Resp: 5664

Ion Ratio Lower Upper

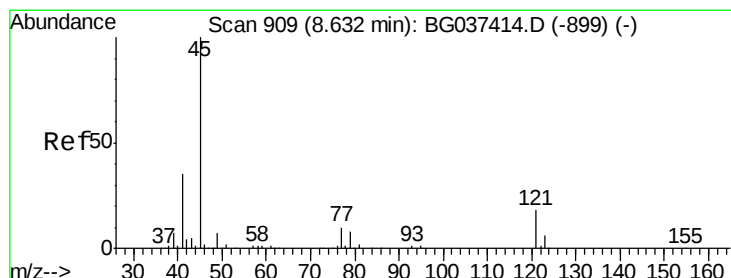
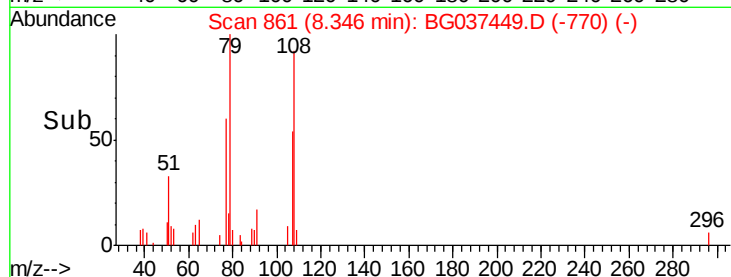
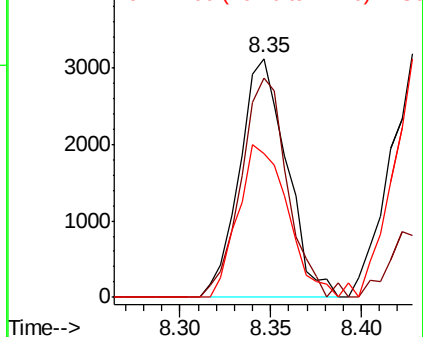
79 100

108 91.8 65.8 98.8

77 60.3 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: 2.154 ng

RT: 8.62 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

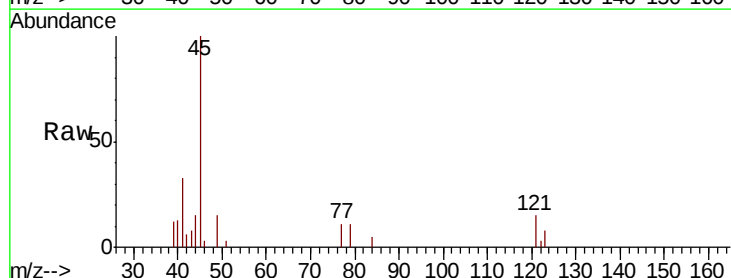
Tgt Ion: 45 Resp: 13784

Ion Ratio Lower Upper

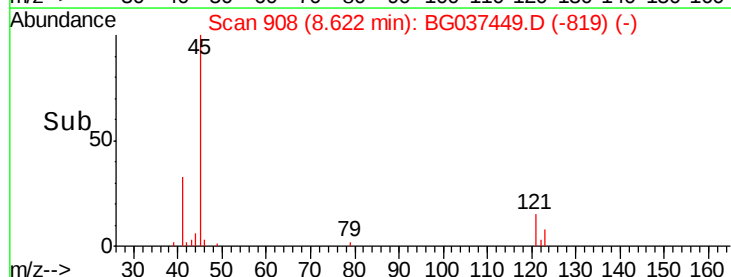
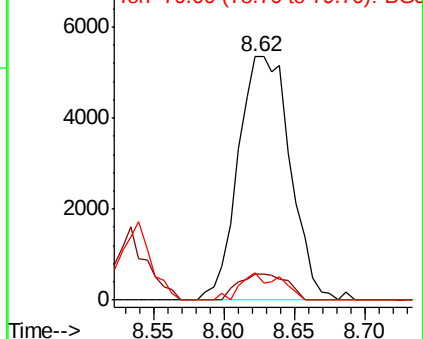
45 100

77 10.8 0.0 30.0

79 11.2 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

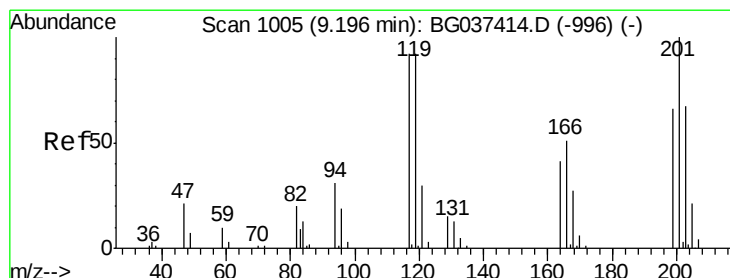
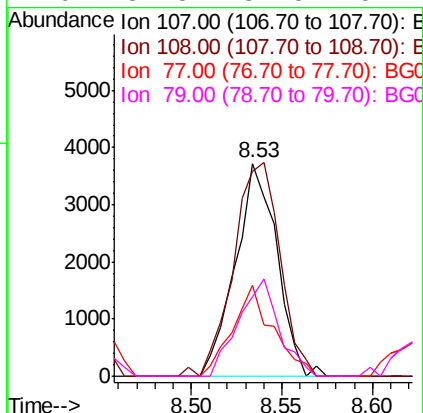
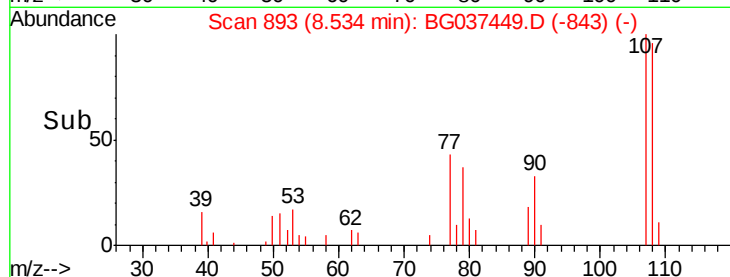
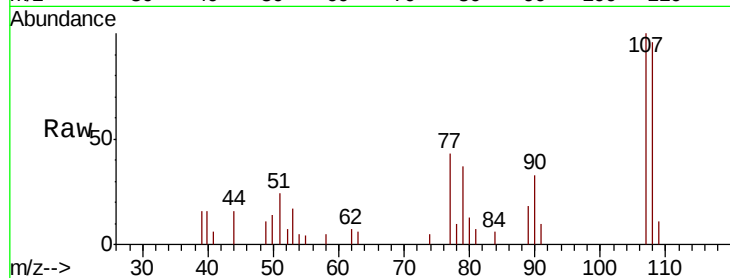




#17
2-Methylphenol
Concen: 1.911 ng
RT: 8.53 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

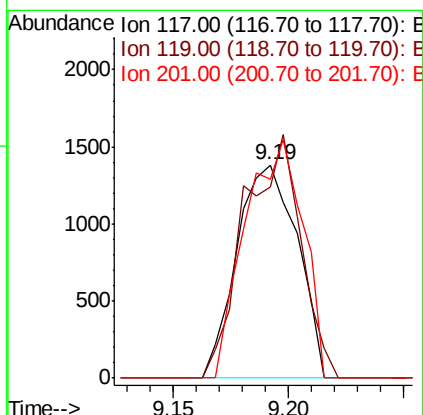
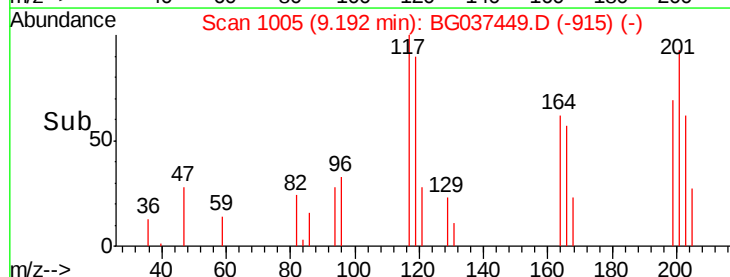
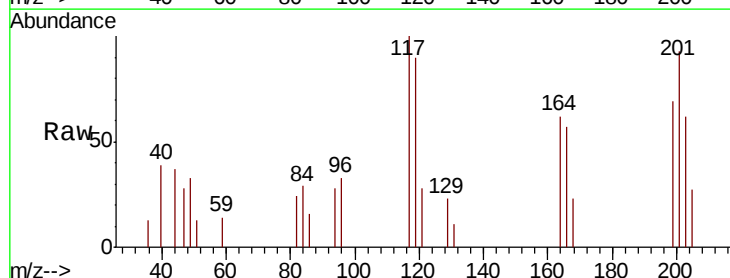
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

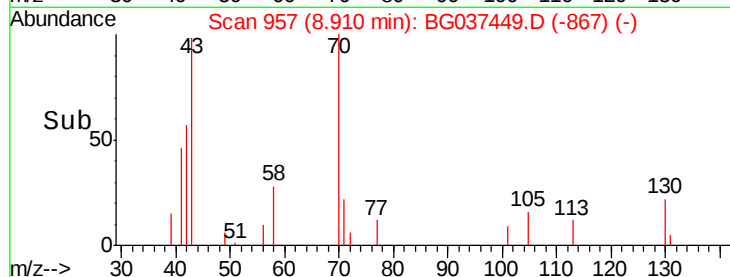
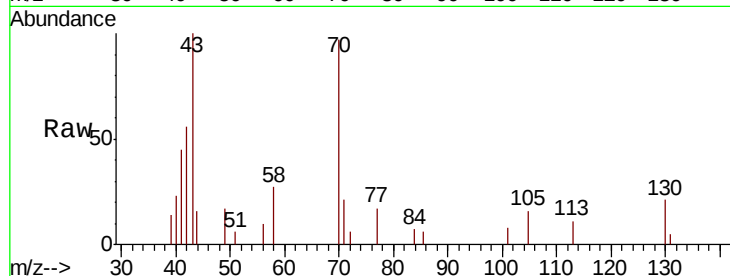
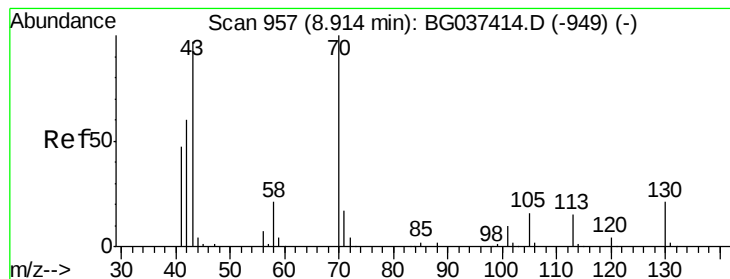
Tgt Ion:	107	Resp:	5951
Ion	Ratio	Lower	Upper
107	100		
108	96.1	87.9	131.9
77	43.0	35.1	52.7
79	37.3	34.5	51.7



#18
Hexachloroethane
Concen: 1.874 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:	117	Resp:	2513
Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.6	111.8
201	93.5	80.8	121.2





#19

n-Nitroso-di-n-propylamine

Concen: 1.859 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 70 Resp: 5714

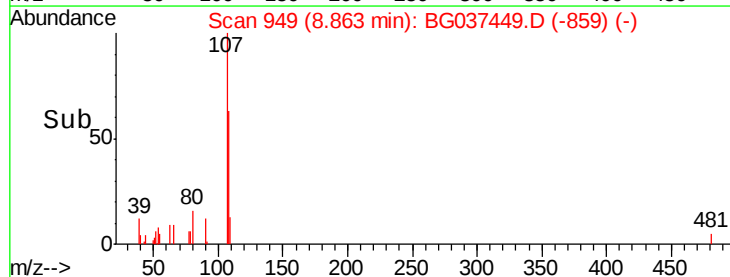
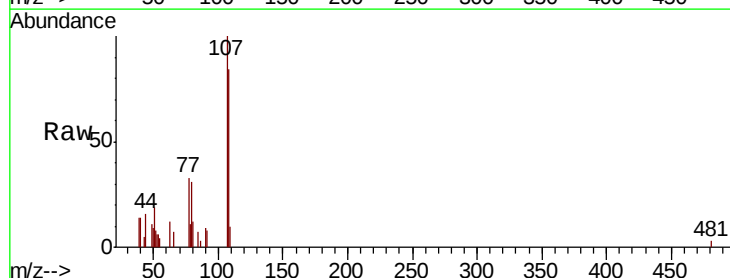
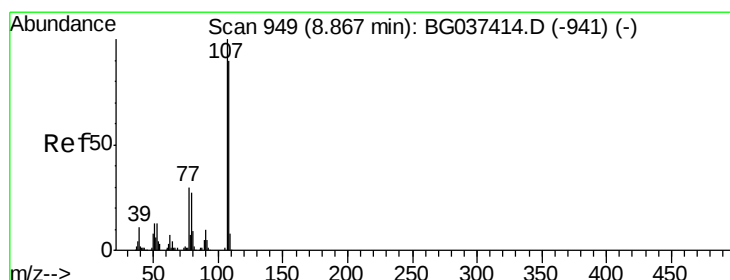
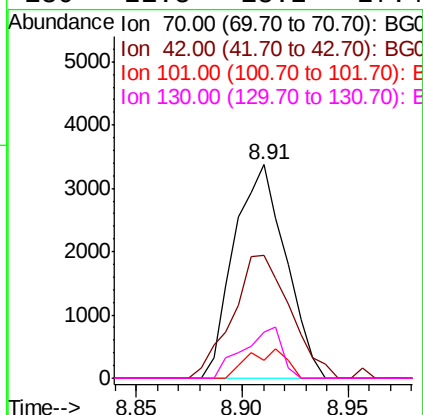
Ion Ratio Lower Upper

70 100

42 57.4 53.9 80.9

101 8.7 8.2 12.2

130 21.8 18.2 27.4



#20

3+4-Methylphenols

Concen: 1.789 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Tgt Ion: 107 Resp: 7964

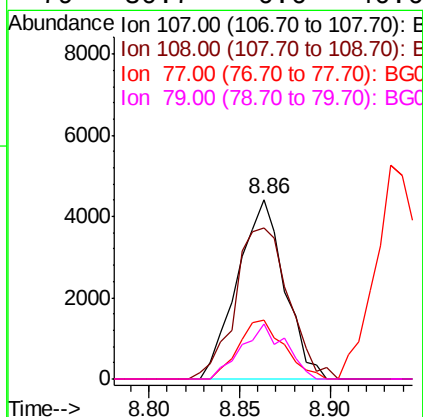
Ion Ratio Lower Upper

107 100

108 84.3 69.9 109.9

77 32.7 11.2 51.2

79 30.7 6.6 46.6

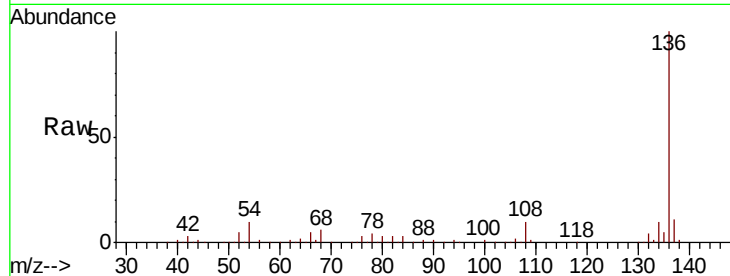




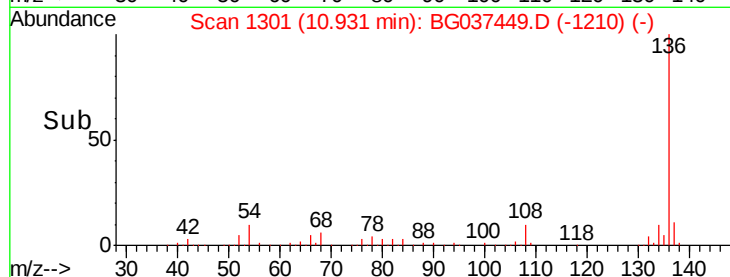
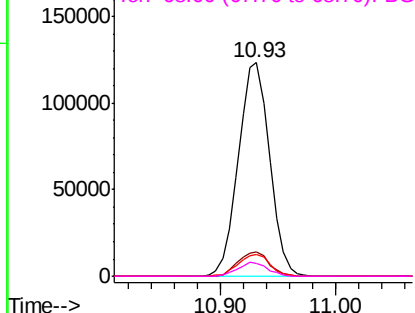
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

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

Tgt Ion:	136	Resp:	230922
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	9.9	7.9	11.9
68	6.1	4.8	7.2

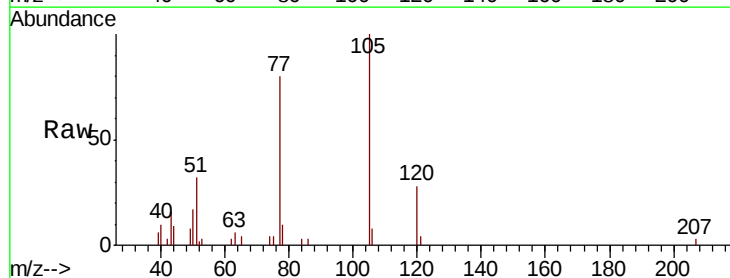


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

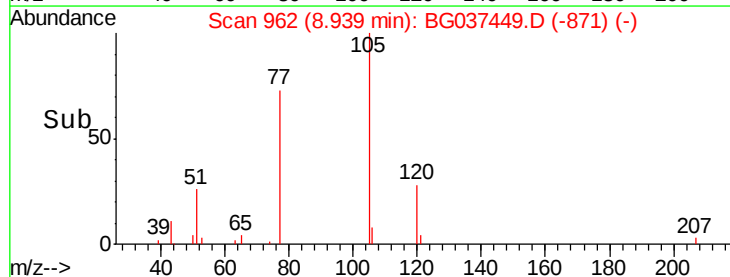
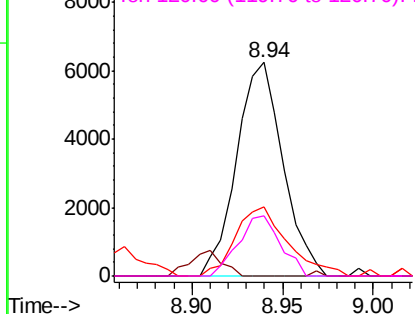


#22
Acetophenone
Concen: 1.916 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:	105	Resp:	11097
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	32.2	25.0	37.6
120	28.1	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

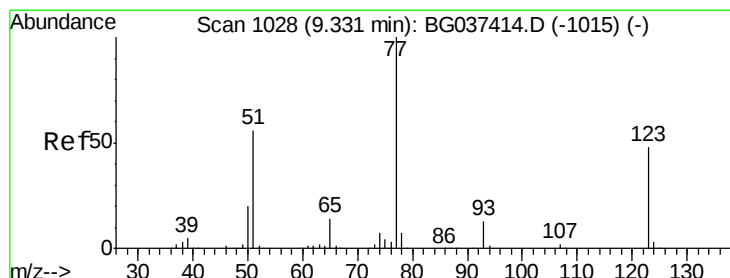
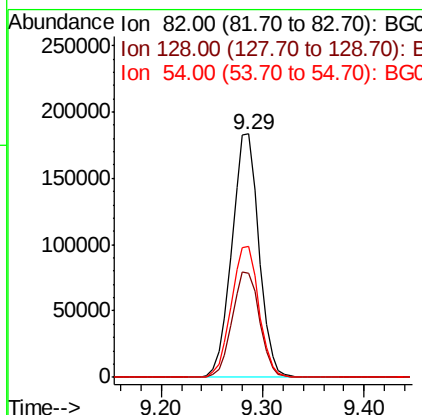
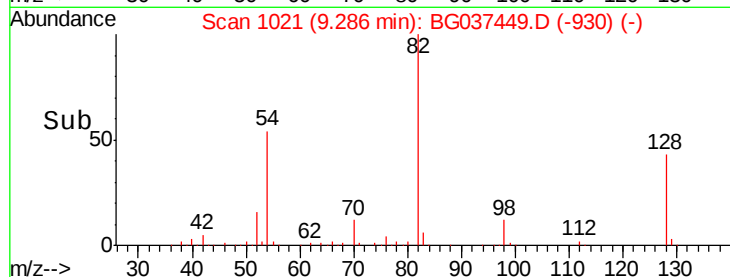
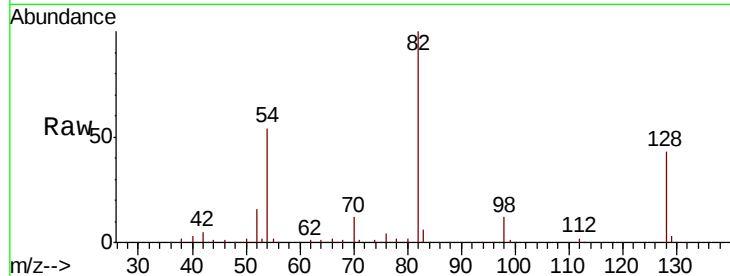




#23
 Nitrobenzene-d5
 Concen: 82.582 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

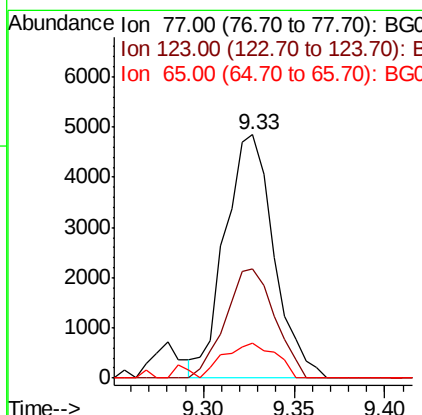
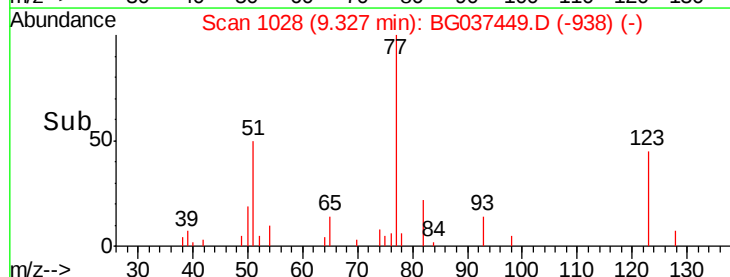
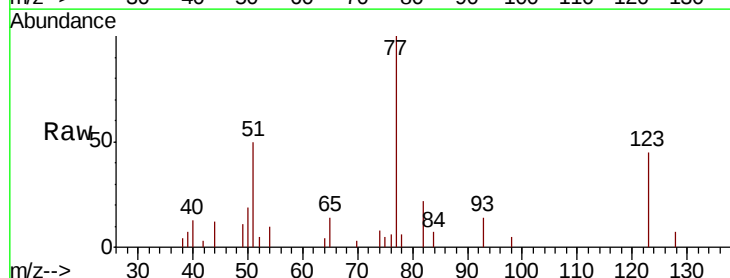
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 82 Resp: 340421
 Ion Ratio Lower Upper
 82 100
 128 43.0 34.6 51.8
 54 53.8 45.3 67.9



#24
 Nitrobenzene
 Concen: 2.118 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

Tgt Ion: 77 Resp: 9071
 Ion Ratio Lower Upper
 77 100
 123 45.0 33.6 50.4
 65 14.1 11.3 16.9

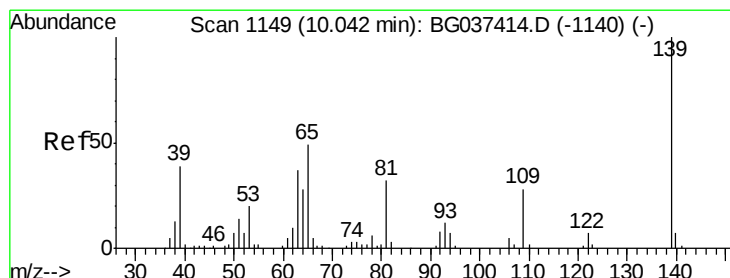
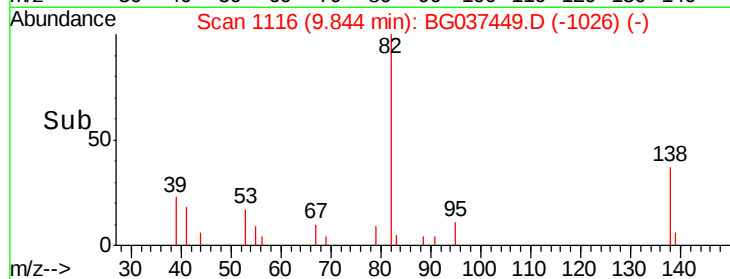
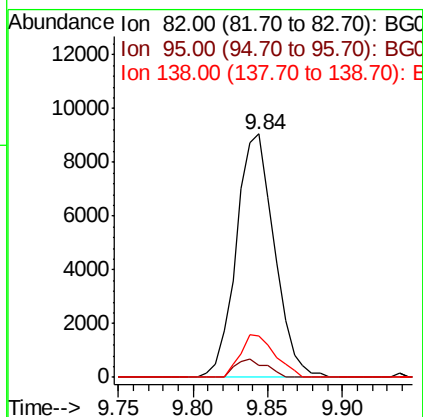
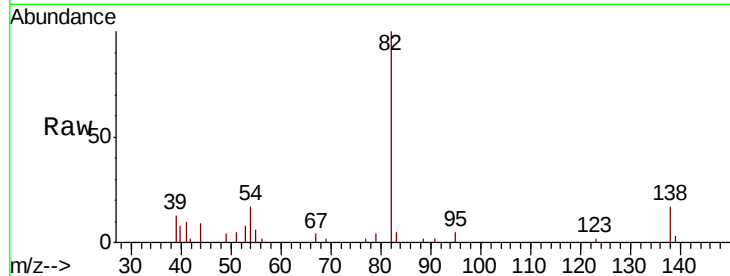




#25
Isophorone
Concen: 2.125 ng
RT: 9.84 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

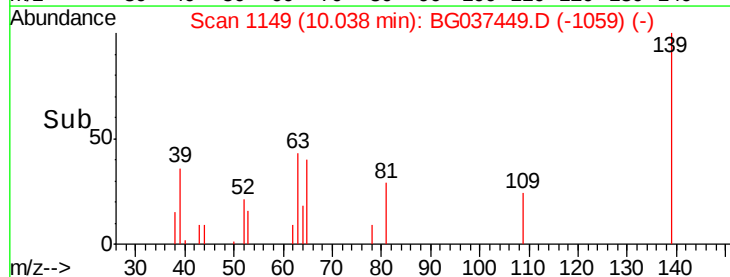
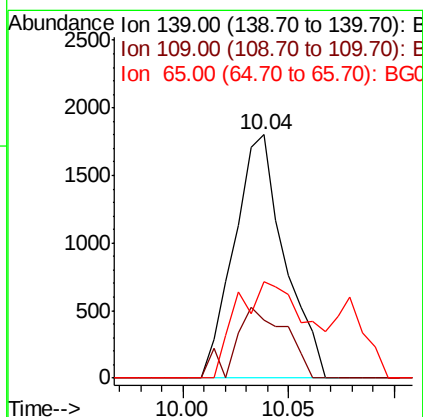
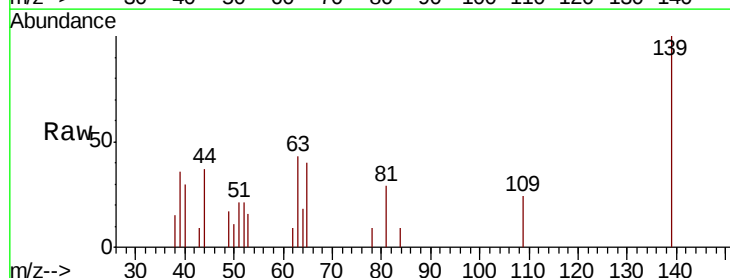
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 82 Resp: 16006
Ion Ratio Lower Upper
82 100
95 5.1 5.3 7.9#
138 16.8 13.3 19.9



#26
2-Nitrophenol
Concen: 1.543 ng
RT: 10.04 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion: 139 Resp: 2976
Ion Ratio Lower Upper
139 100
109 23.9 23.3 34.9
65 39.6 39.8 59.8#

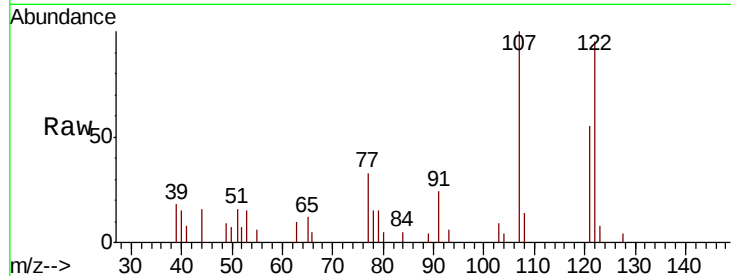




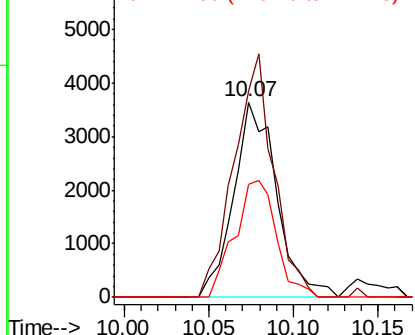
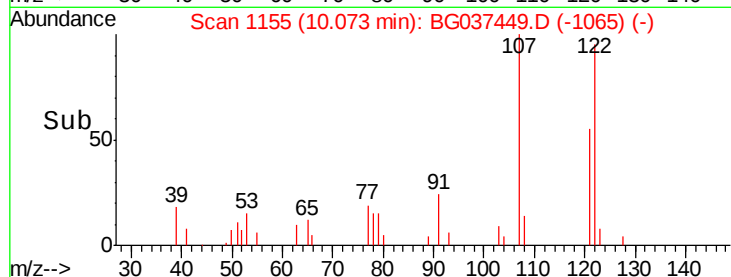
#27
 2,4-Dimethylphenol
 Concen: 1.878 ng
 RT: 10.07 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

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

Tgt Ion:122 Resp: 6470
 Ion Ratio Lower Upper
 122 100
 107 105.3 94.2 141.2
 121 57.7 47.3 70.9

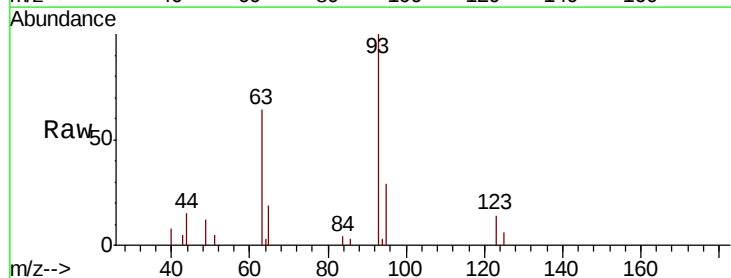


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

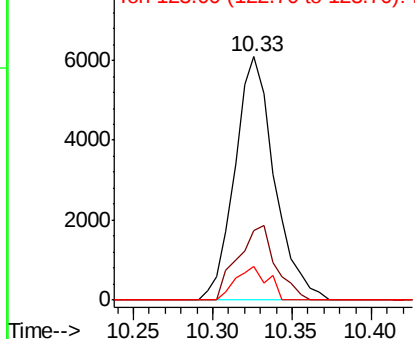
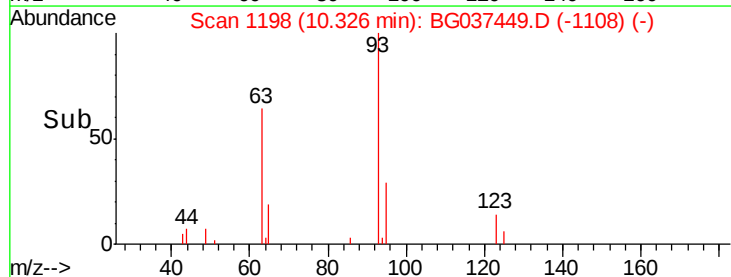


#28
 bis(2-Chloroethoxy)methane
 Concen: 2.138 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

Tgt Ion: 93 Resp: 10551
 Ion Ratio Lower Upper
 93 100
 95 28.7 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

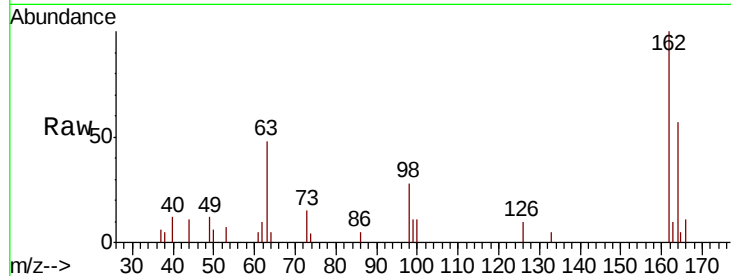




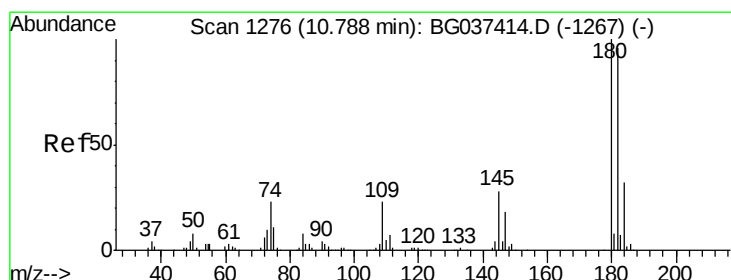
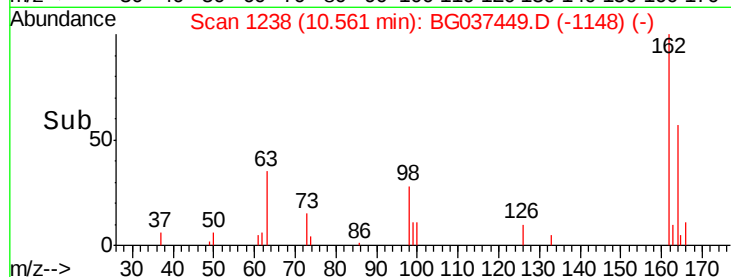
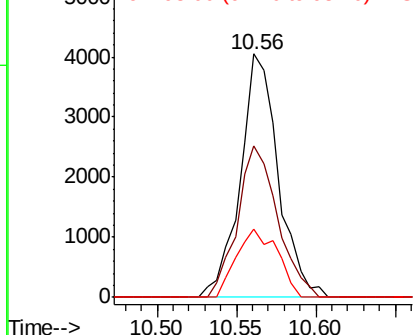
#29
2,4-Dichlorophenol
Concen: 1.754 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

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

Tgt Ion:162 Resp: 6727
Ion Ratio Lower Upper
162 100
164 62.0 43.2 83.2
98 28.2 16.0 56.0

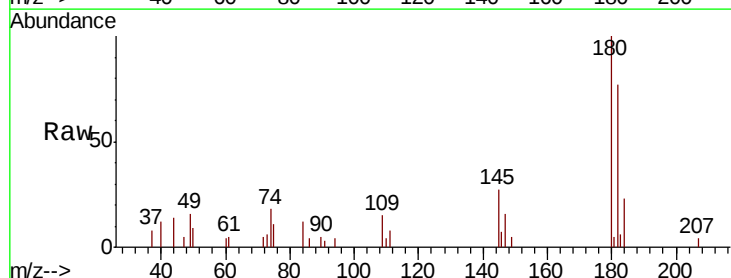


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

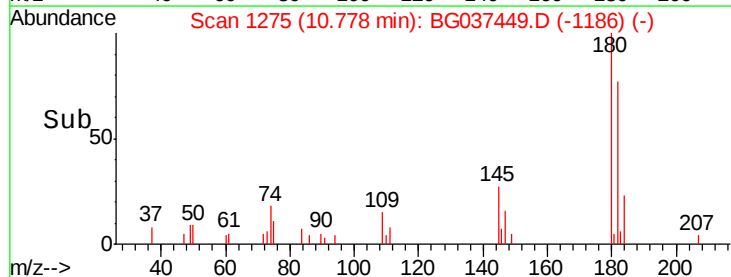
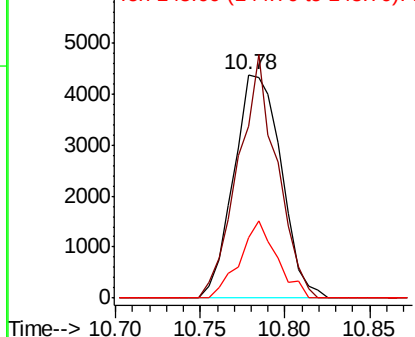


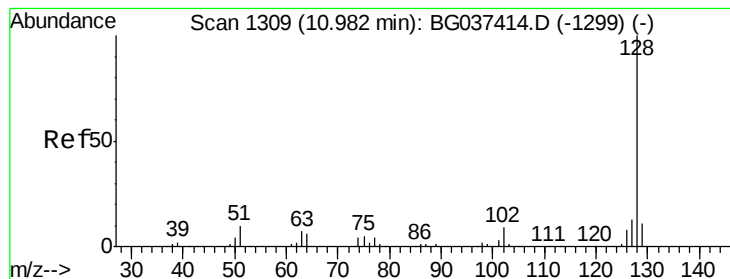
#30
1,2,4-Trichlorobenzene
Concen: 2.037 ng
RT: 10.78 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:180 Resp: 8495
Ion Ratio Lower Upper
180 100
182 77.1 77.7 116.5#
145 27.3 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: 2.229 ng

RT: 10.98 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

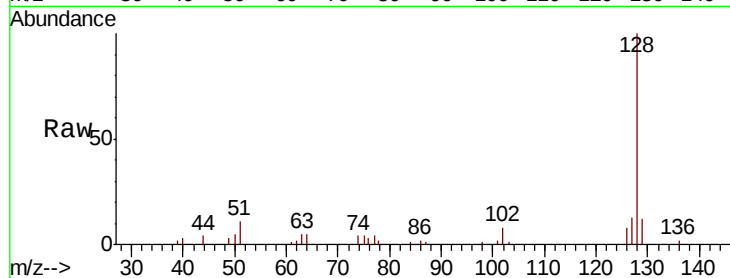
Tgt Ion:128 Resp: 25277

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

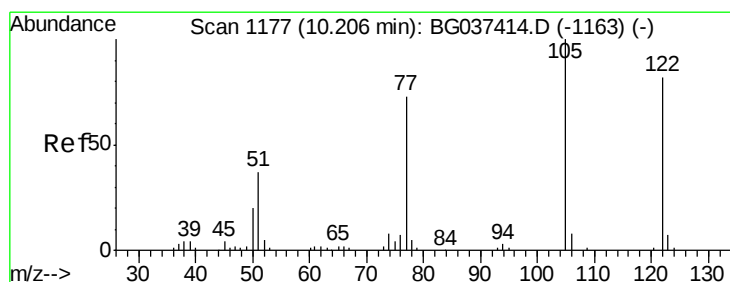
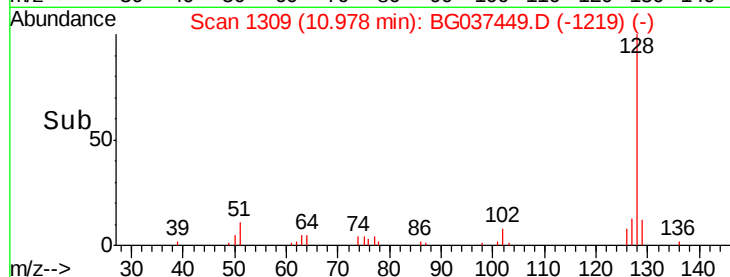
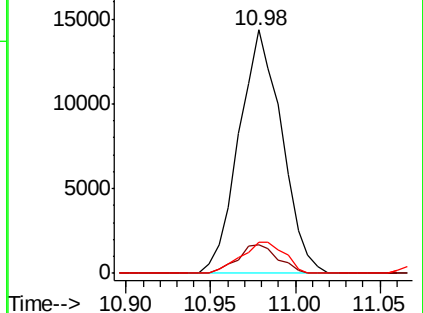
127 13.0 11.1 16.7



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: 0.217 ng

RT: 10.14 min Scan# 1166

Delta R.T. -0.07 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

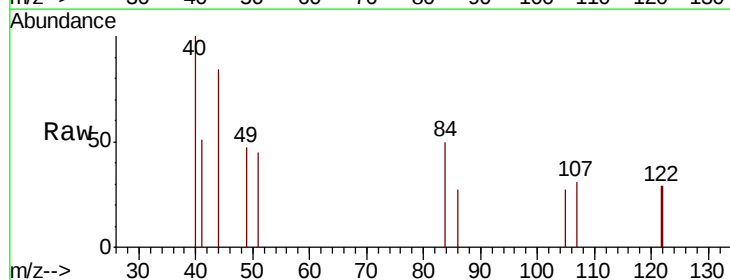
Tgt Ion:122 Resp: 486

Ion Ratio Lower Upper

122 100

105 46.7 106.7 146.7#

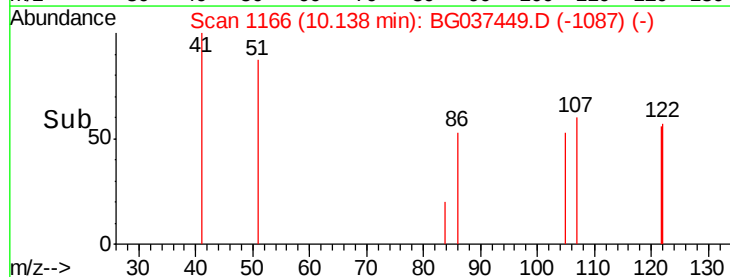
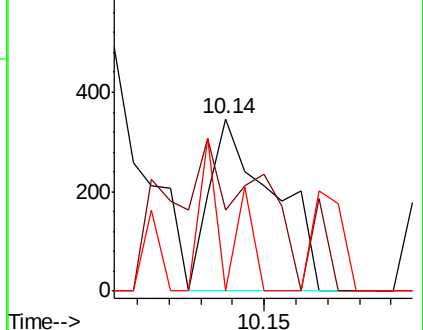
77 0.0 72.2 112.2#



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): BGC

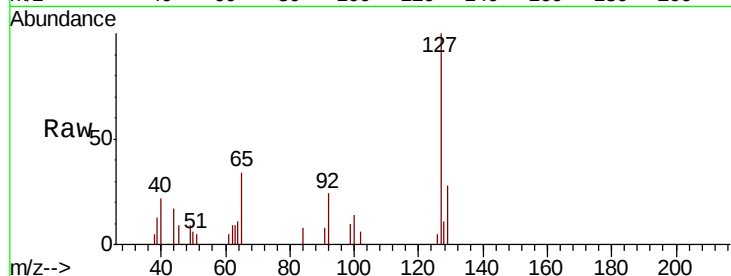




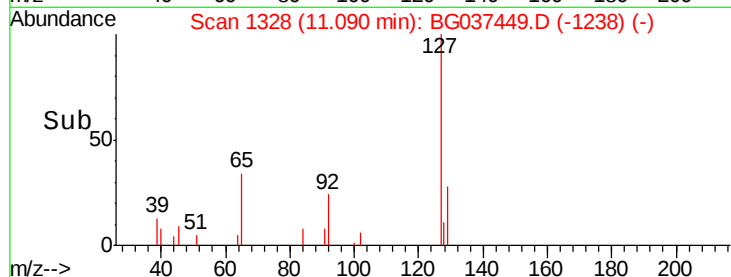
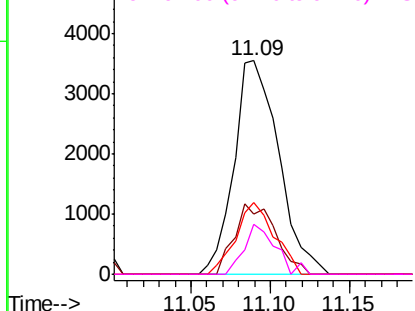
#33
4-Chloroaniline
Concen: 1.306 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

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

Tgt Ion:	127	Resp:	6959
Ion	Ratio	Lower	Upper
127	100		
129	27.9	27.1	40.7
65	33.8	26.6	39.8
92	23.6	16.4	24.6

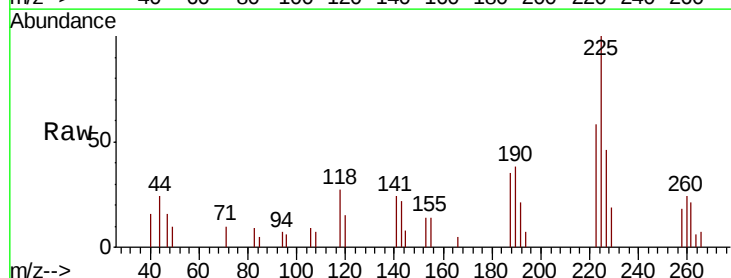


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

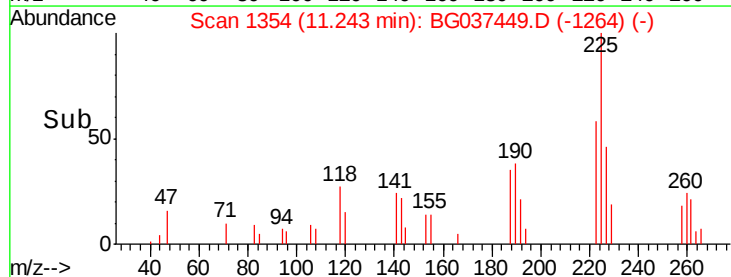
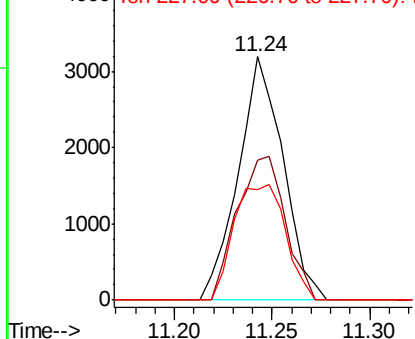


#34
Hexachlorobutadiene
Concen: 2.053 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:	225	Resp:	5075
Ion	Ratio	Lower	Upper
225	100		
223	57.7	48.2	72.4
227	45.6	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: 1.324 ng

RT: 11.85 min Scan# 1458

Delta R.T. -0.03 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

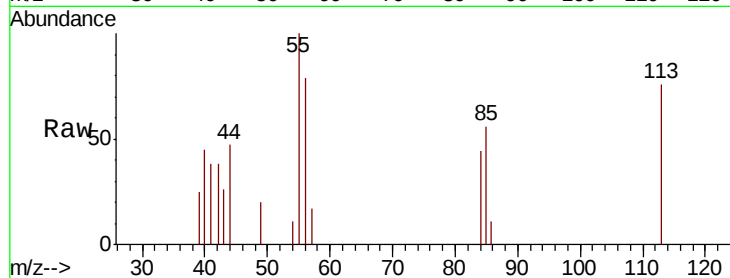
Tgt Ion:113 Resp: 2037

Ion Ratio Lower Upper

113 100

55 131.9 176.6 216.6#

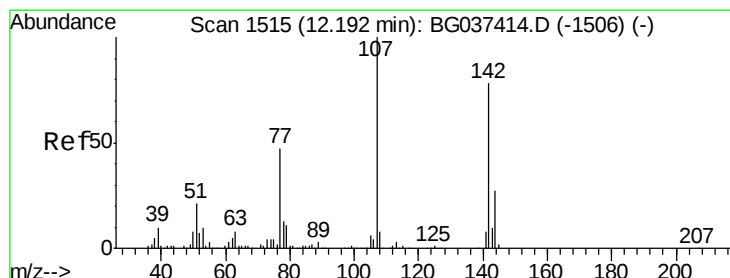
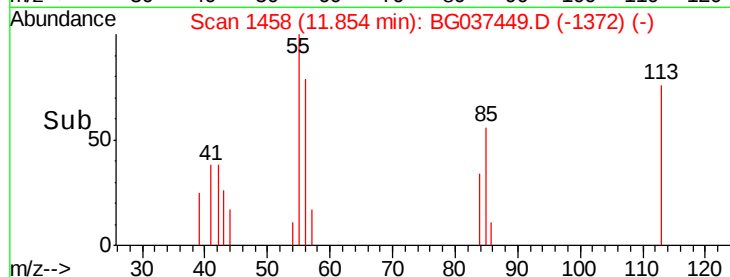
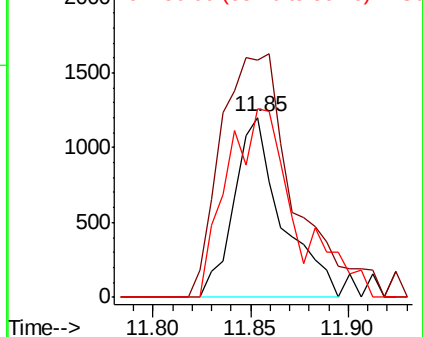
56 104.7 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 1.716 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

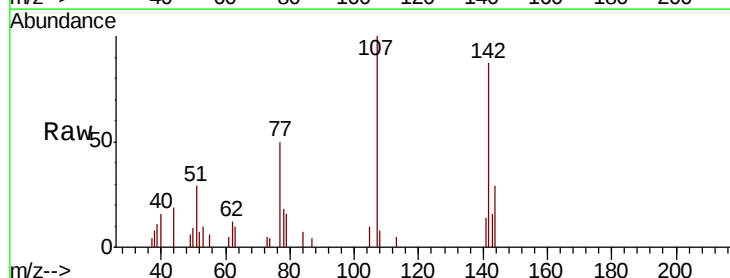
Tgt Ion:107 Resp: 7421

Ion Ratio Lower Upper

107 100

144 28.9 20.7 31.1

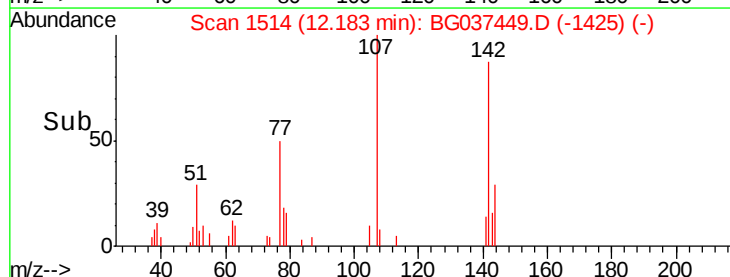
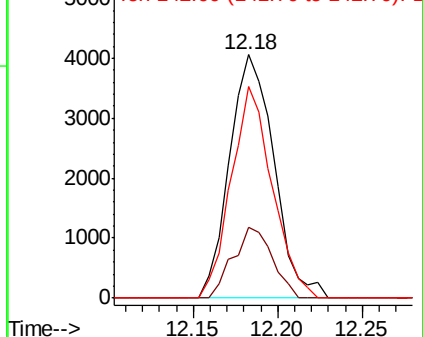
142 87.0 64.4 96.6



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

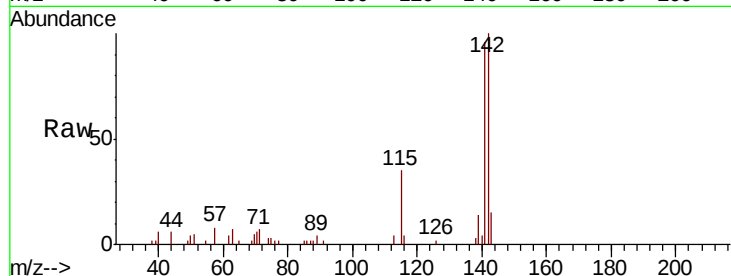




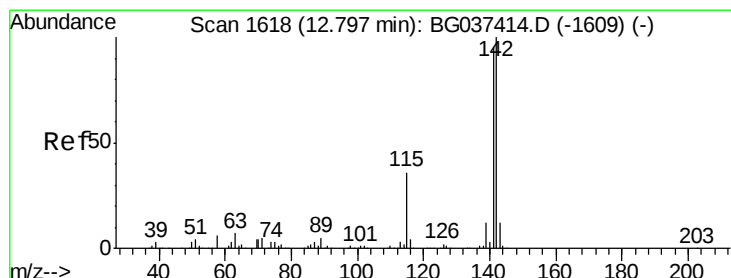
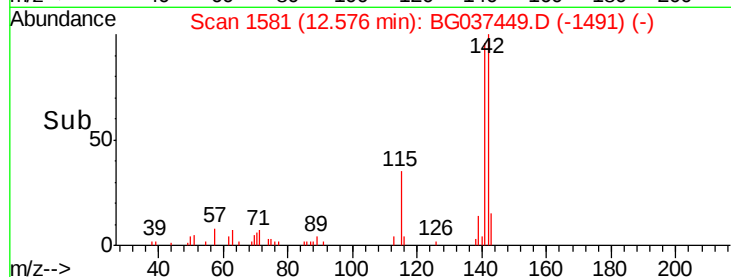
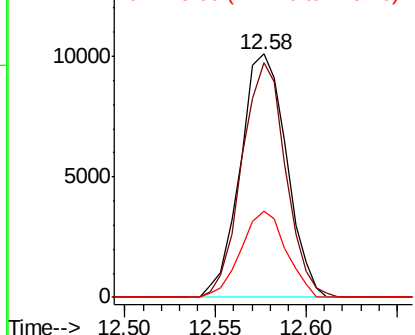
#37
 2-Methylnaphthalene
 Concen: 2.167 ng
 RT: 12.58 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

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

Tgt Ion:142 Resp: 17917
 Ion Ratio Lower Upper
 142 100
 141 96.2 71.9 107.9
 115 35.3 27.8 41.8

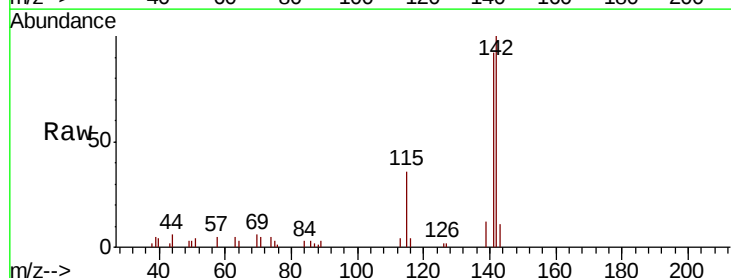


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

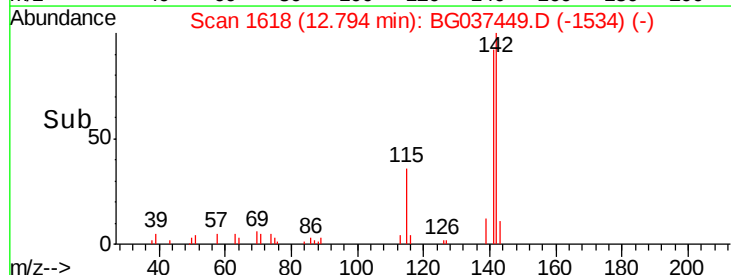
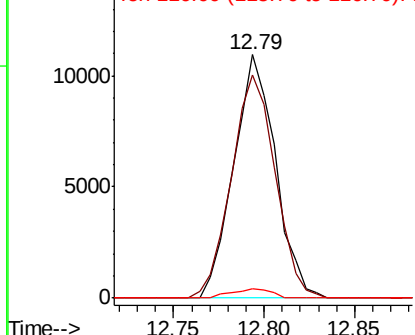


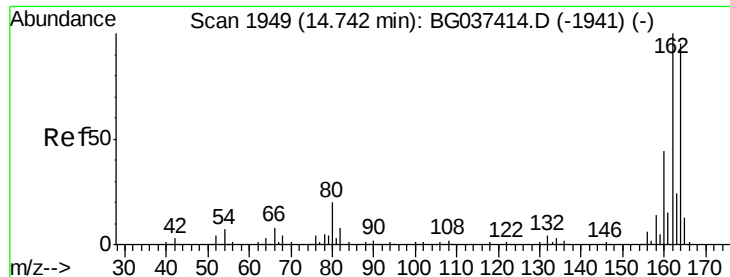
#38
 1-Methylnaphthalene
 Concen: 2.179 ng
 RT: 12.79 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

Tgt Ion:142 Resp: 17496
 Ion Ratio Lower Upper
 142 100
 141 91.6 75.2 112.8
 116 3.8 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: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

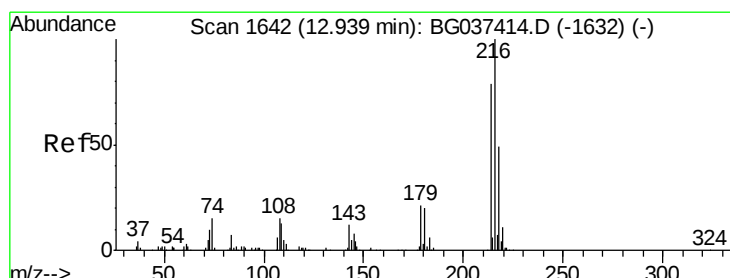
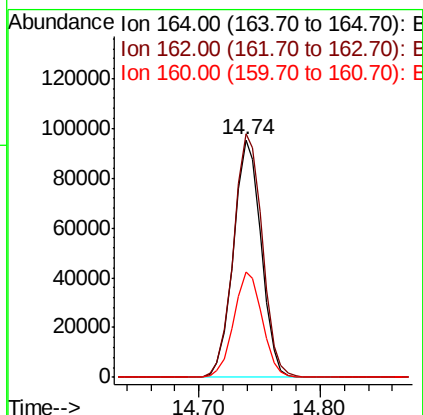
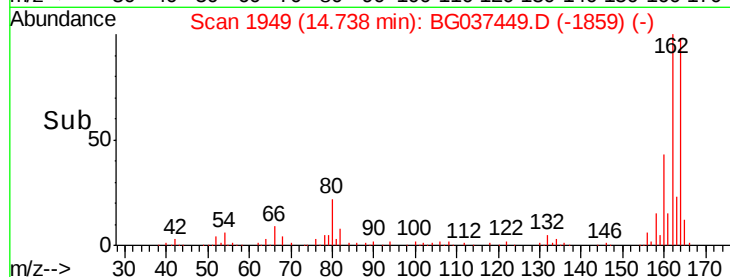
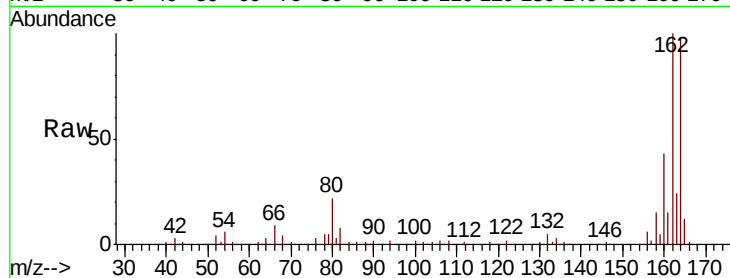
Tgt Ion:164 Resp: 152672

Ion Ratio Lower Upper

164 100

162 102.4 81.3 121.9

160 44.4 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 1.921 ng

RT: 12.93 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Tgt Ion:216 Resp: 9461

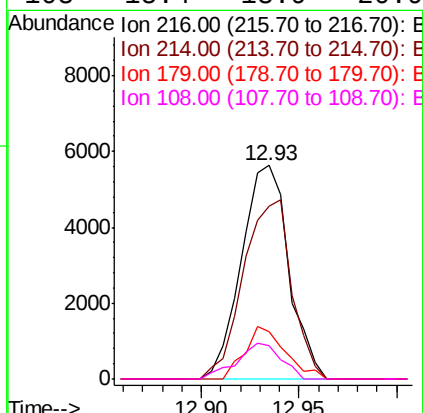
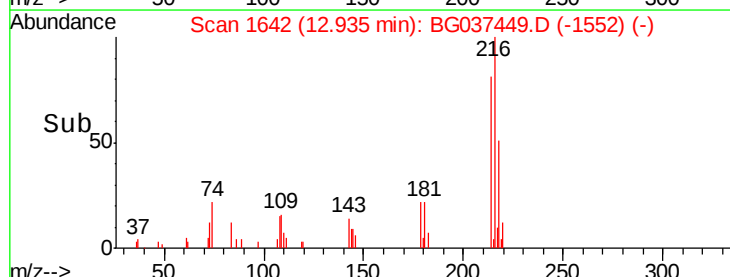
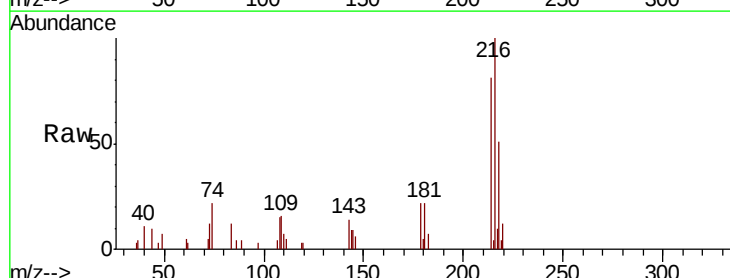
Ion Ratio Lower Upper

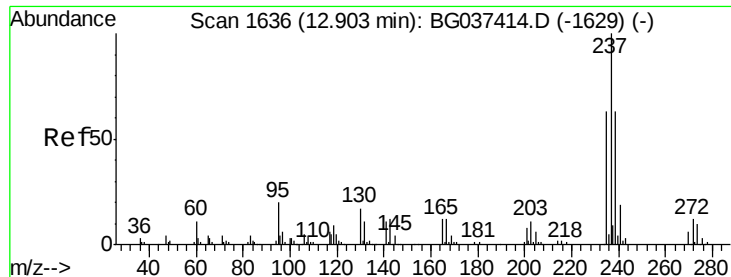
216 100

214 85.2 63.8 95.6

179 21.0 17.4 26.0

108 15.4 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 1.812 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

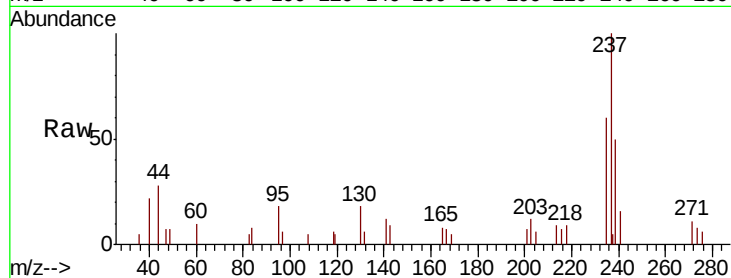
Tgt Ion:237 Resp: 4263

Ion Ratio Lower Upper

237 100

235 60.2 42.5 82.5

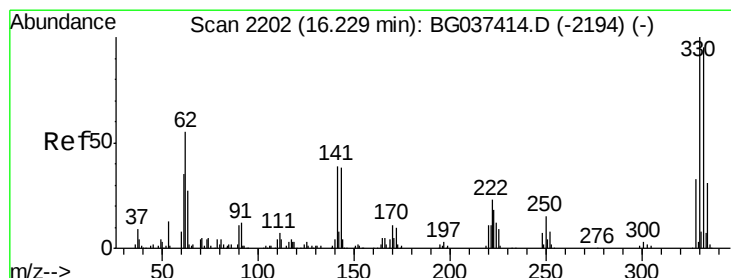
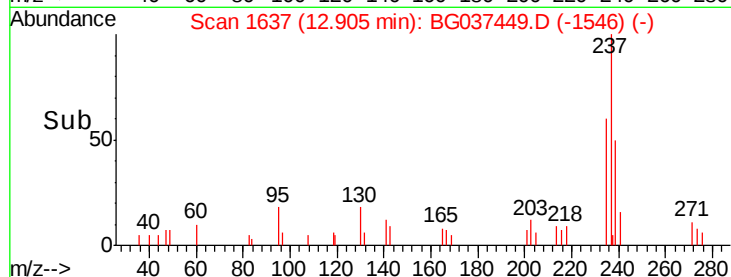
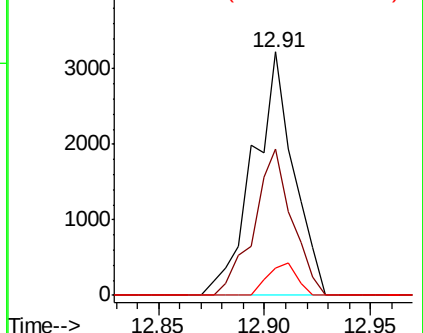
272 11.0 0.0 31.6



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: 137.875 ng

RT: 16.22 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

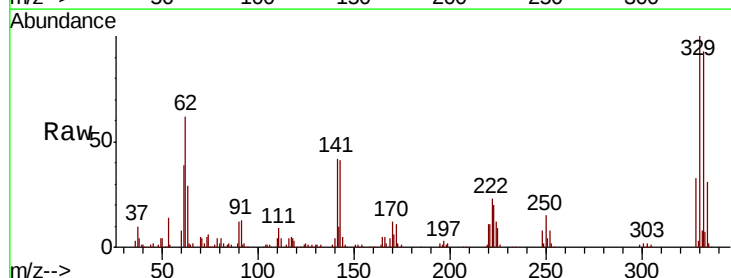
Tgt Ion:330 Resp: 229586

Ion Ratio Lower Upper

330 100

332 95.4 78.4 117.6

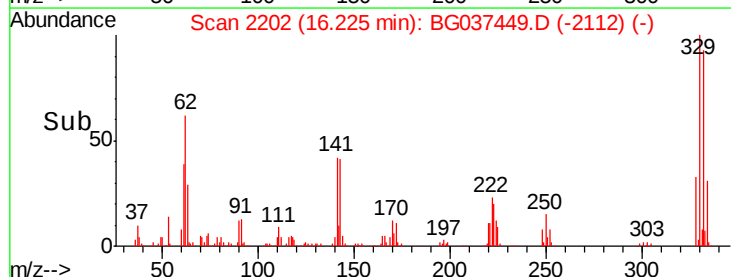
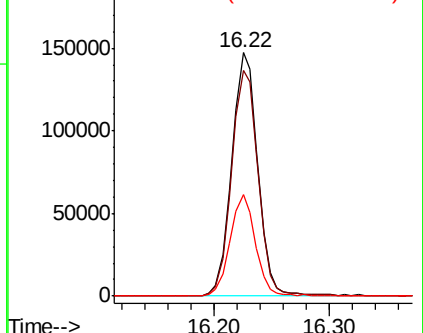
141 40.6 32.2 48.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

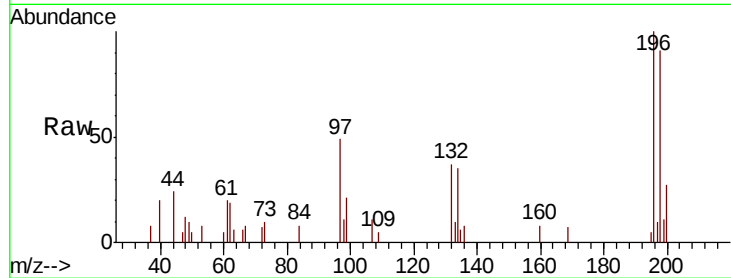




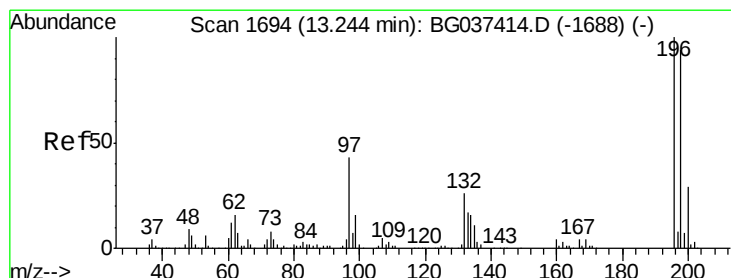
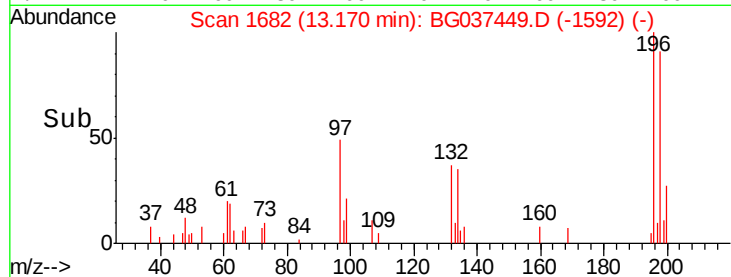
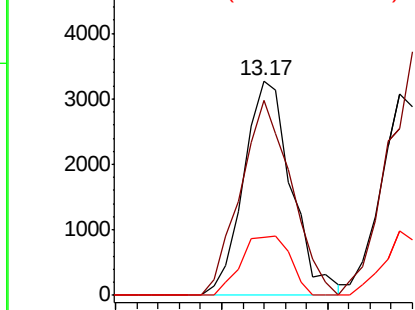
#43
 2,4,6-Trichlorophenol
 Concen: 1.566 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

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

Tgt Ion:196 Resp: 5153
 Ion Ratio Lower Upper
 196 100
 198 90.9 76.4 114.6
 200 26.8 24.9 37.3

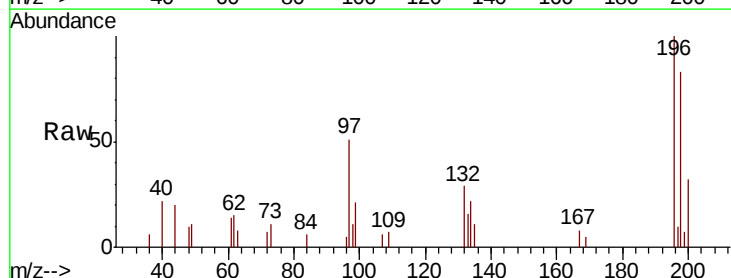


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

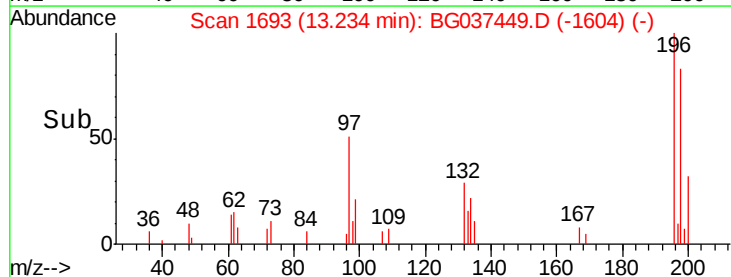
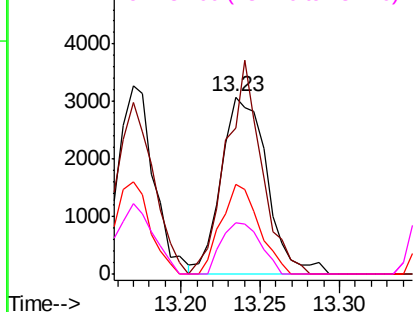


#44
 2,4,5-Trichlorophenol
 Concen: 1.718 ng
 RT: 13.23 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

Tgt Ion:196 Resp: 6155
 Ion Ratio Lower Upper
 196 100
 198 82.9 74.2 111.2
 97 51.0 34.1 51.1
 132 29.1 20.2 30.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

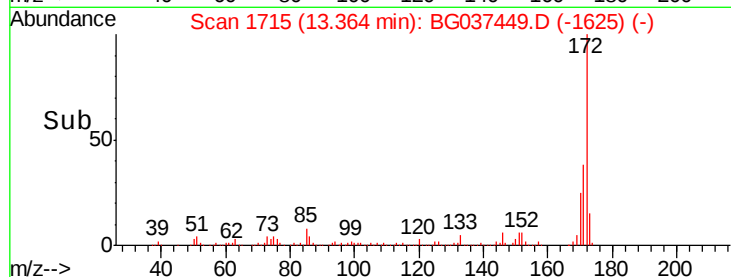
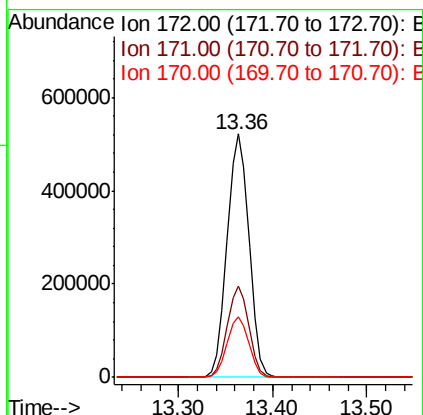
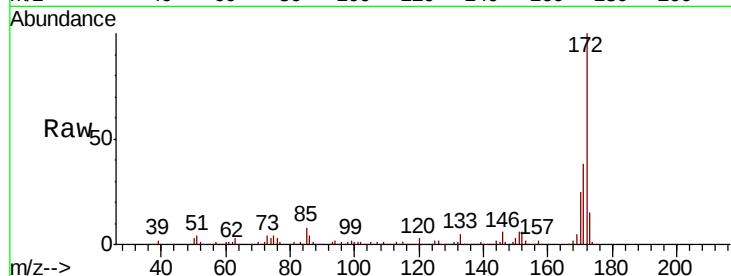




#45
2-Fluorobiphenyl
Concen: 83.416 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

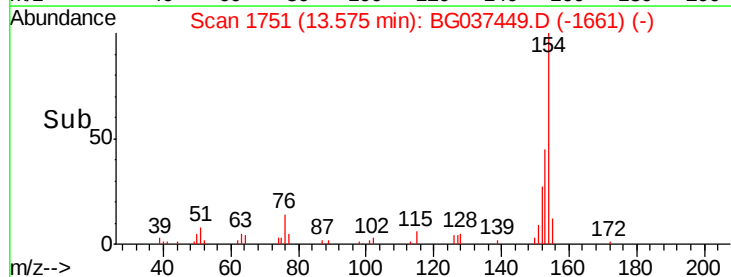
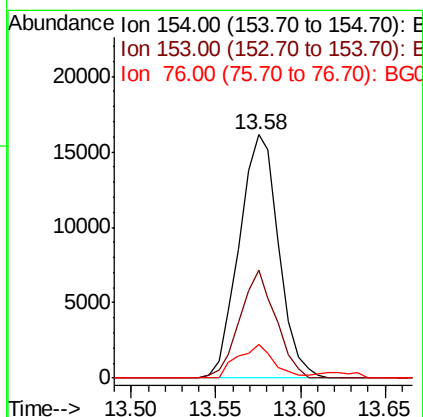
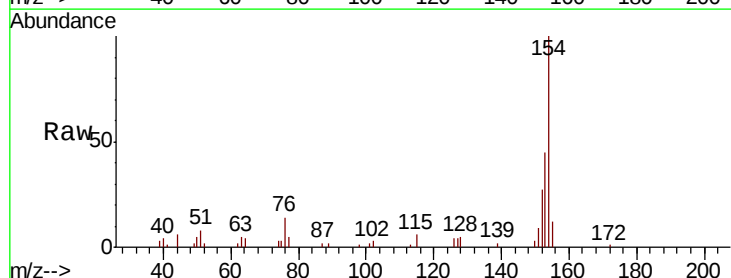
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

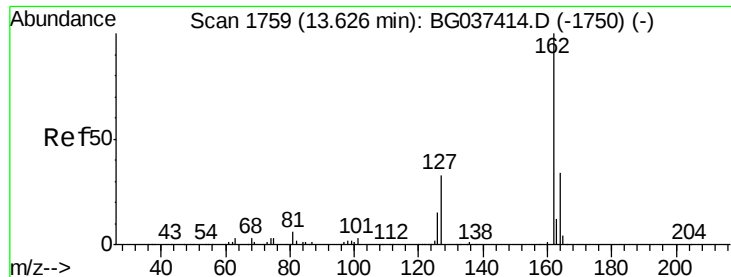
Tgt Ion:172 Resp: 844548
Ion Ratio Lower Upper
172 100
171 37.6 31.0 46.4
170 25.1 20.2 30.2



#46
1,1'-Biphenyl
Concen: 2.068 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:154 Resp: 26144
Ion Ratio Lower Upper
154 100
153 44.5 22.1 62.1
76 13.7 0.0 33.2

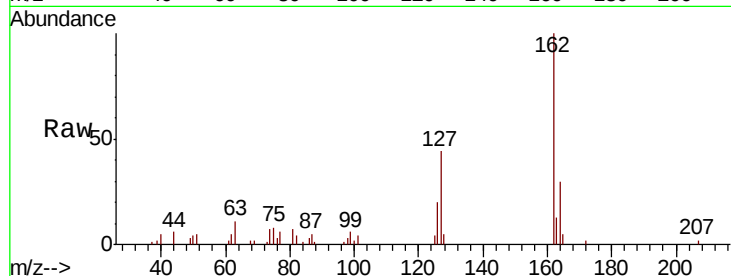




#47
2-Chloronaphthalene
Concen: 2.004 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

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

Tgt Ion	Ratio	Lower	Upper
162	100		
127	44.4	30.5	45.7
164	29.6	26.4	39.6

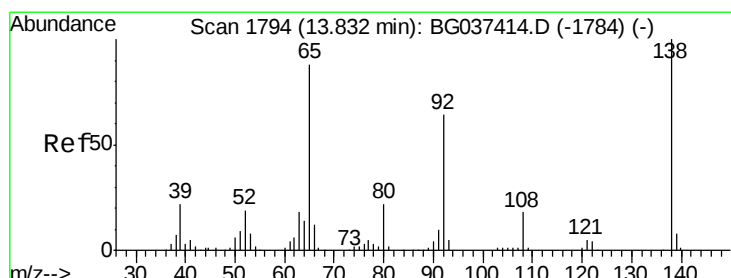
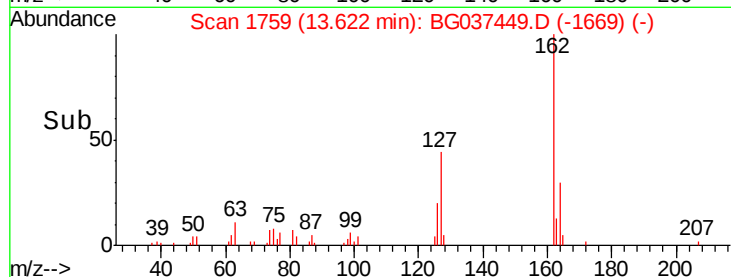
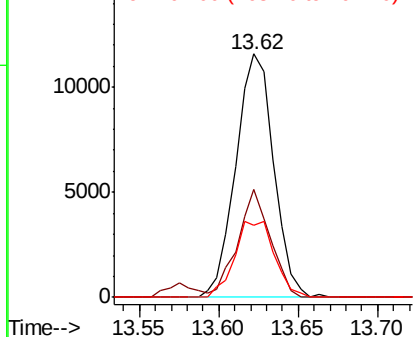


Abundance

Ion 162.00 (161.70 to 162.70): E

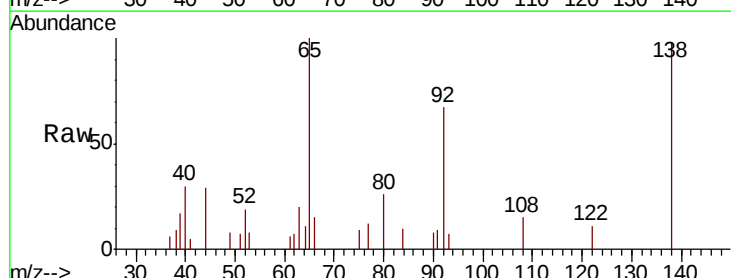
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 1.697 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.4	53.2	79.8
138	97.5	79.3	118.9

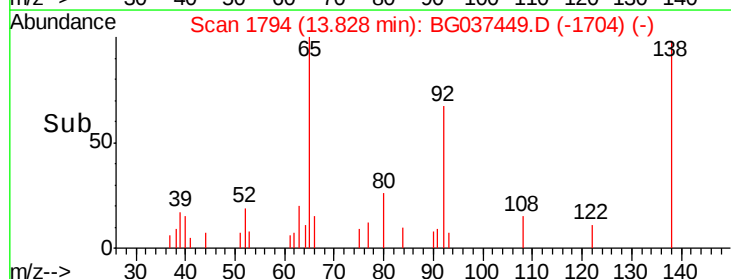
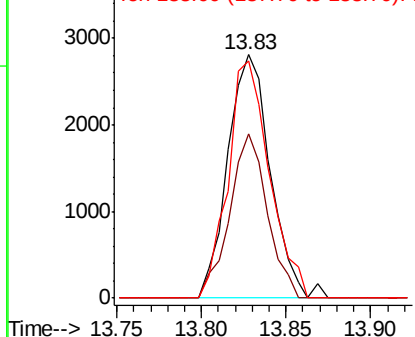


Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 2.226 ng

RT: 14.47 min Scan# 1903

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

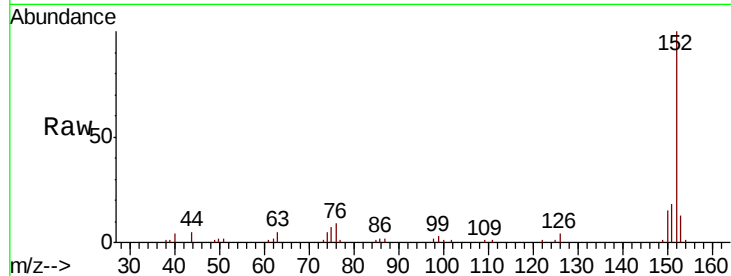
Tgt Ion:152 Resp: 32036

Ion Ratio Lower Upper

152 100

151 18.0 17.1 25.7

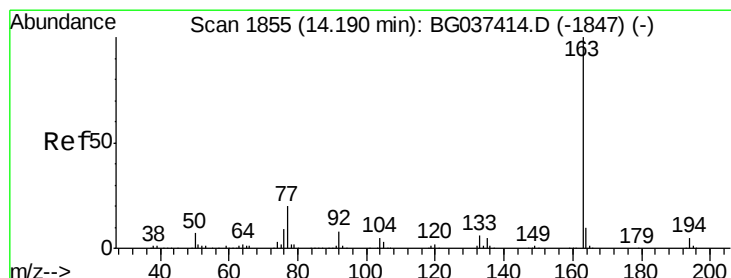
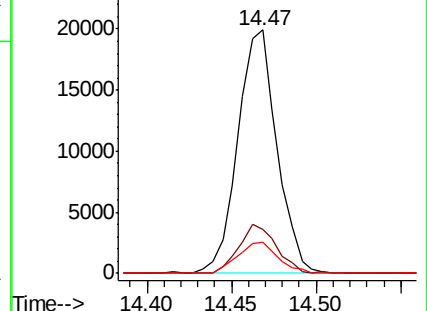
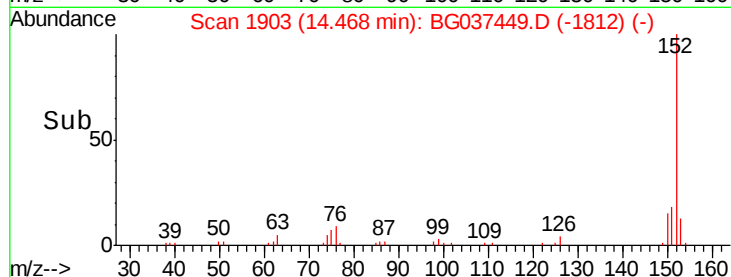
153 12.8 11.1 16.7



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: 2.135 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

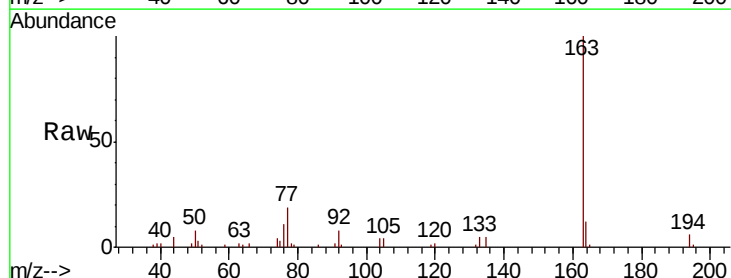
Tgt Ion:163 Resp: 25218

Ion Ratio Lower Upper

163 100

194 5.5 3.5 5.3#

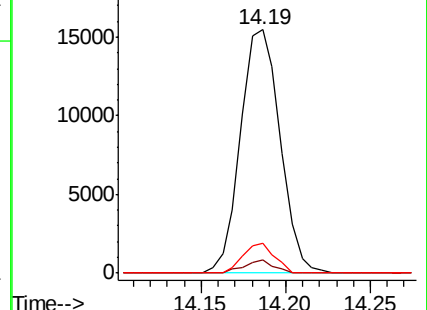
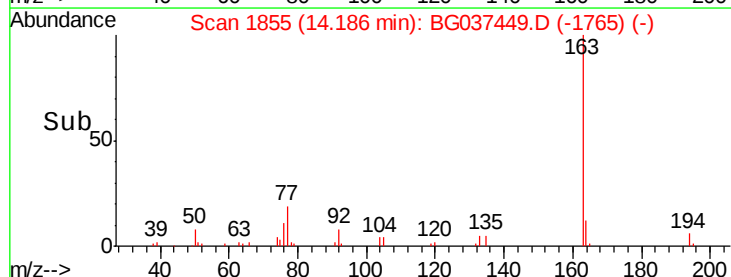
164 12.0 8.5 12.7

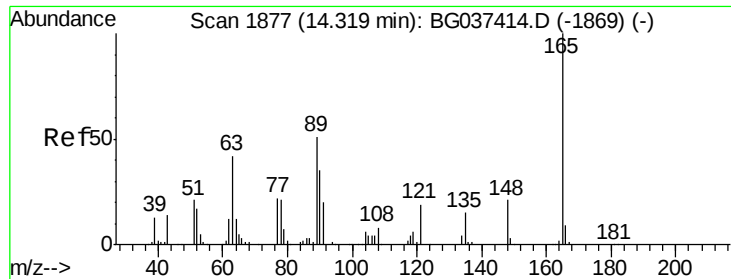


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

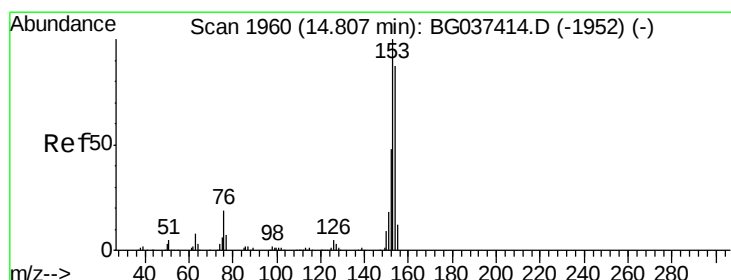
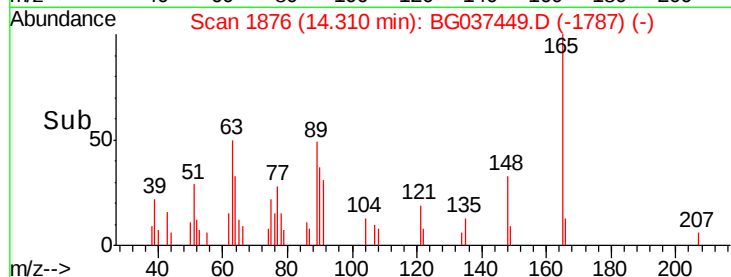
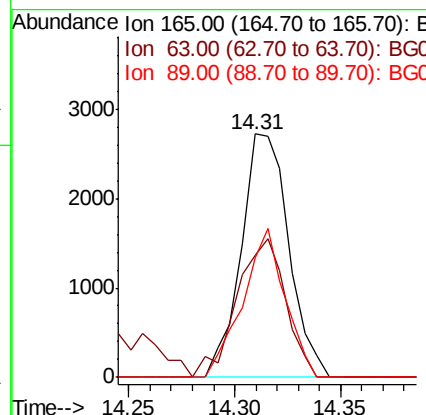
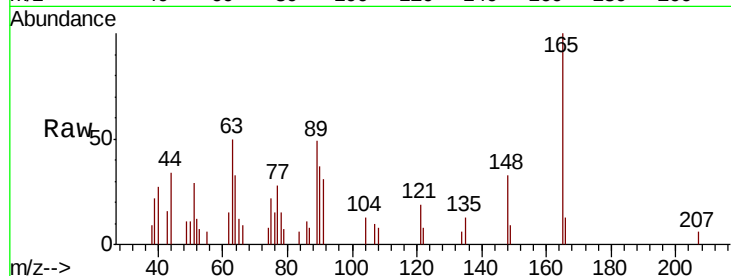




#51
 2,6-Dinitrotoluene
 Concen: 1.630 ng
 RT: 14.31 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

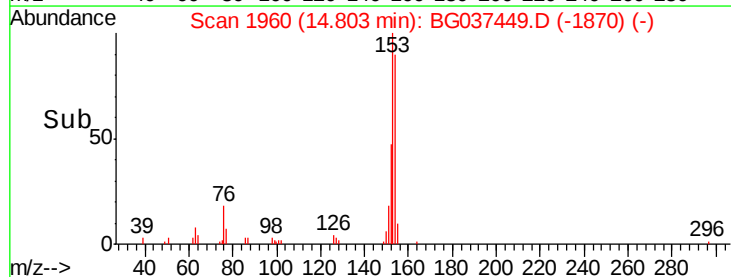
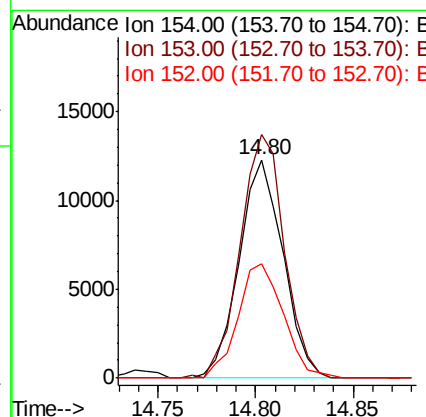
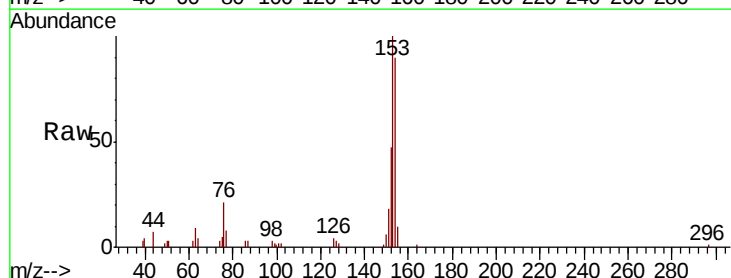
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:165 Resp: 4260
 Ion Ratio Lower Upper
 165 100
 63 50.2 43.4 65.2
 89 48.9 45.8 68.6



#52
 Acenaphthene
 Concen: 2.164 ng
 RT: 14.80 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

Tgt Ion:154 Resp: 19176
 Ion Ratio Lower Upper
 154 100
 153 111.6 93.4 140.0
 152 52.2 44.7 67.1





#53

3-Nitroaniline

Concen: 1.420 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

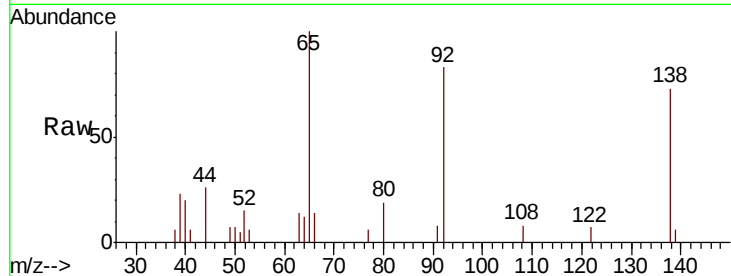
Tgt Ion:138 Resp: 4118

Ion Ratio Lower Upper

138 100

108 10.4 11.0 16.6#

92 113.6 95.2 142.8

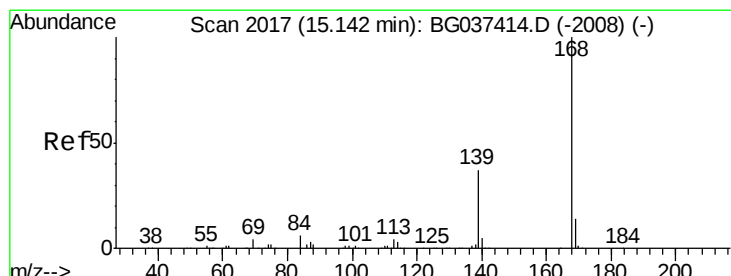
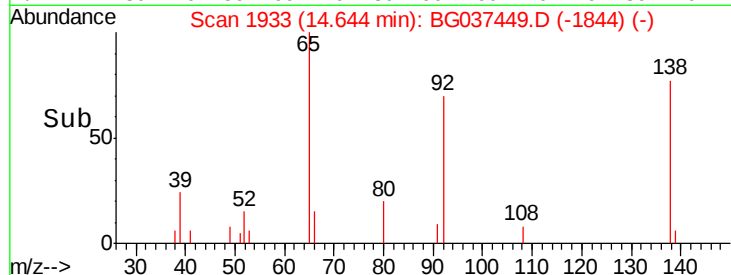
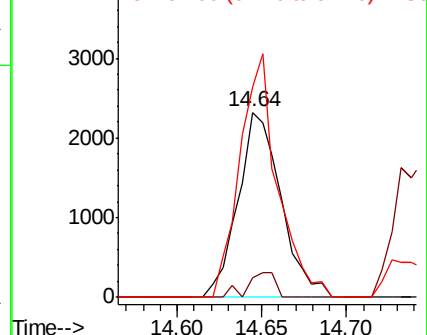


Abundance

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): BGC



#55

Dibenzofuran

Concen: 2.242 ng

RT: 15.14 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

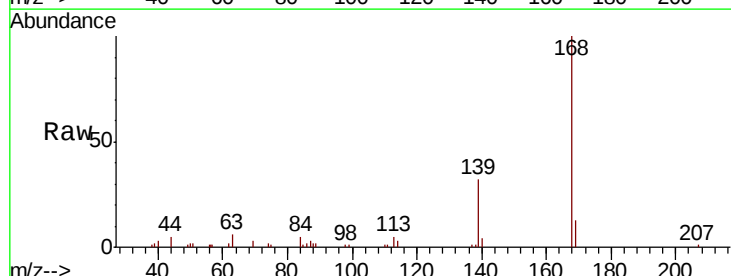
Tgt Ion:168 Resp: 32916

Ion Ratio Lower Upper

168 100

139 31.7 29.4 44.0

169 13.3 11.0 16.6

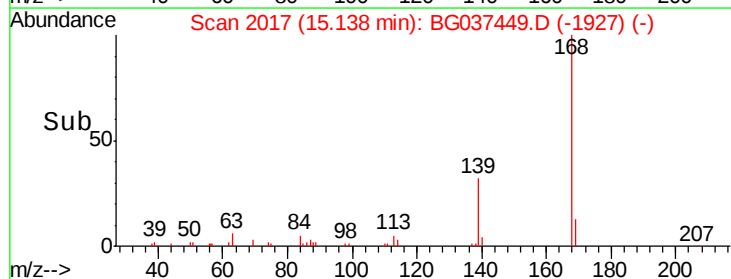
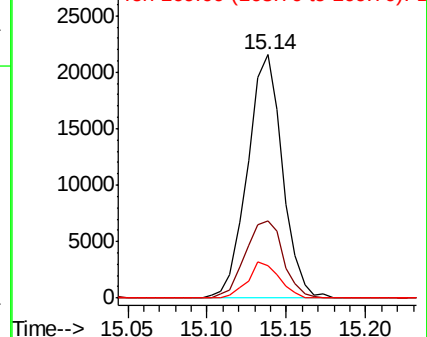


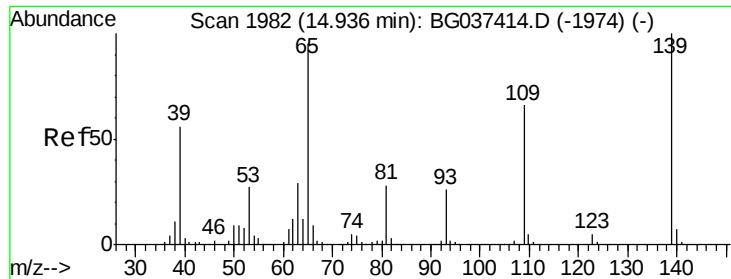
Abundance

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

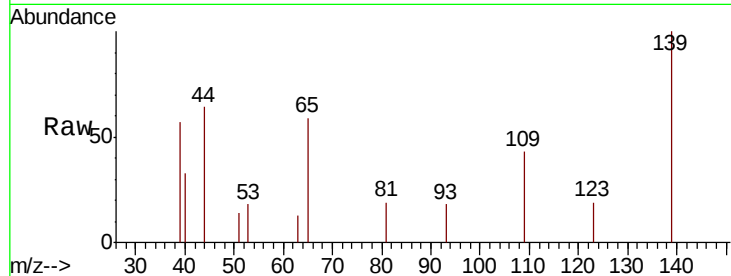




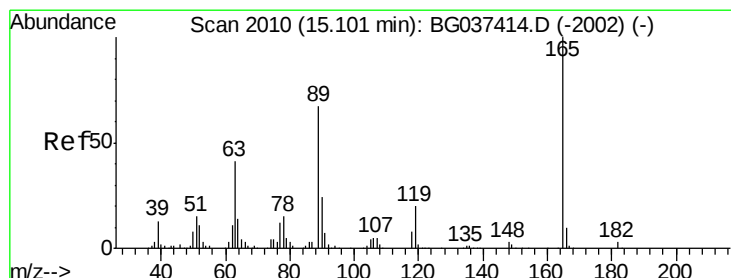
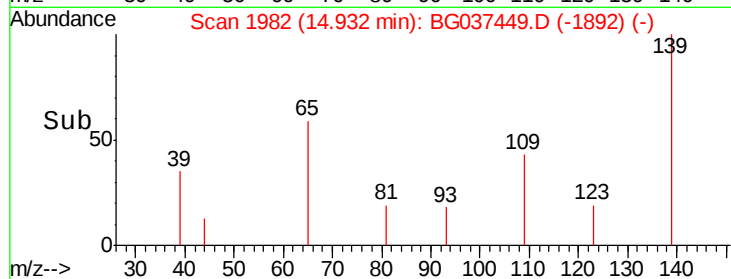
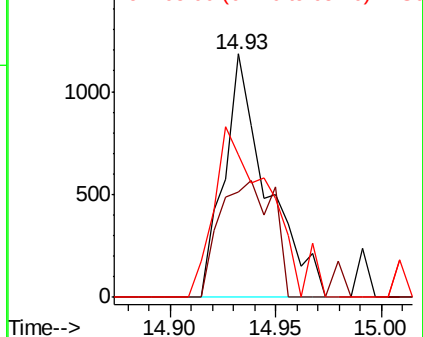
#56
4-Nitrophenol
Concen: 0.776 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

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

Tgt Ion:139 Resp: 1667
Ion Ratio Lower Upper
139 100
109 43.1 49.5 89.5#
65 58.6 76.8 116.8#

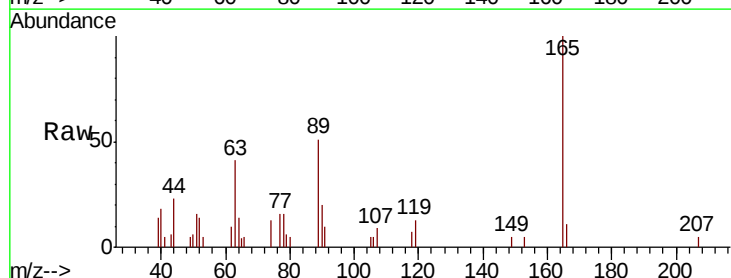


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

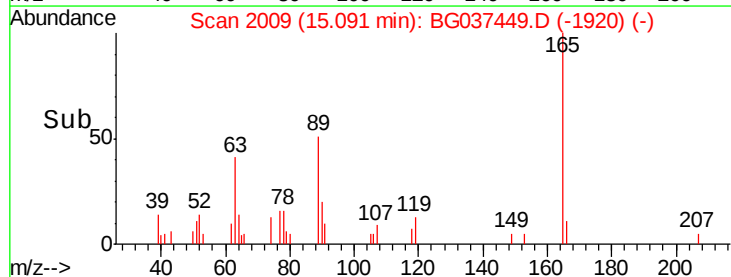
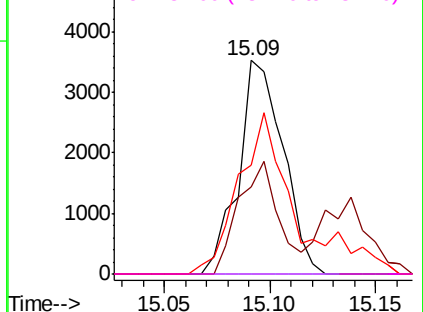


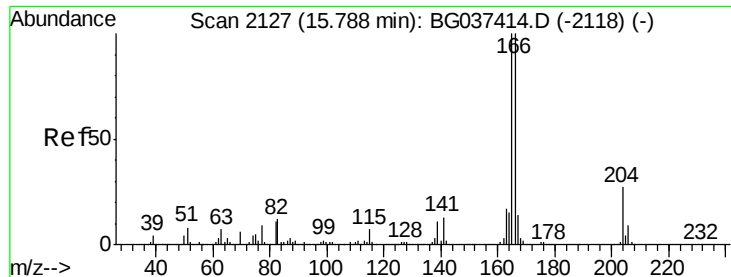
#57
2,4-Dinitrotoluene
Concen: 1.500 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:165 Resp: 5143
Ion Ratio Lower Upper
165 100
63 40.7 33.4 50.0
89 50.9 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: 2.268 ng

RT: 15.78 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

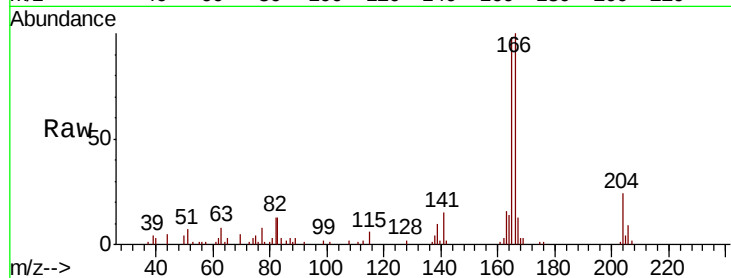
Tgt Ion:166 Resp: 24935

Ion Ratio Lower Upper

166 100

165 98.4 79.0 118.6

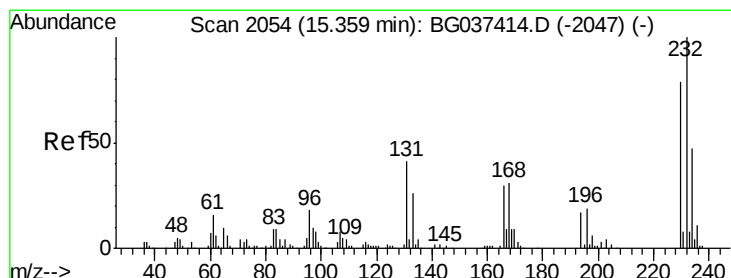
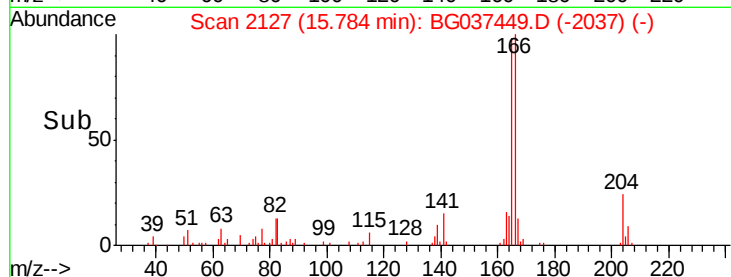
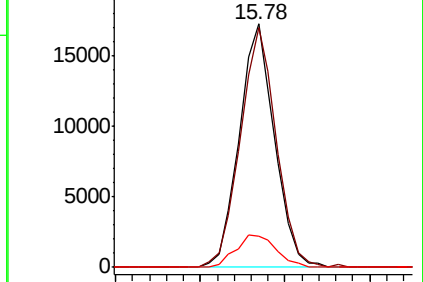
167 12.6 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

2,3,4,6-Tetrachlorophenol

Concen: 1.595 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Tgt Ion:232 Resp: 4892

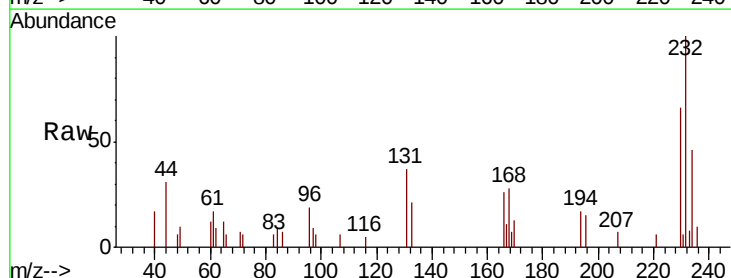
Ion Ratio Lower Upper

232 100

131 39.4 33.7 50.5

130 0.0 2.1 3.1#

166 27.1 24.6 36.8

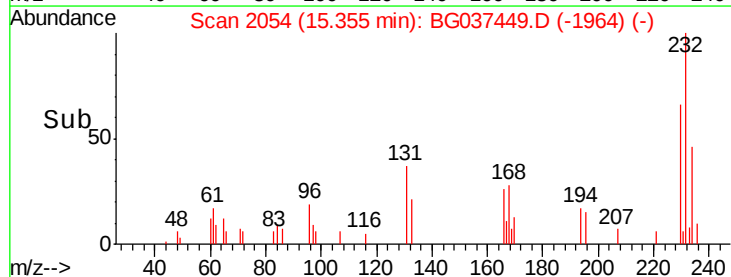
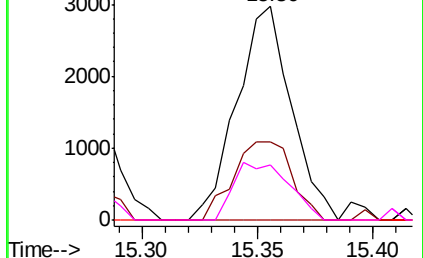


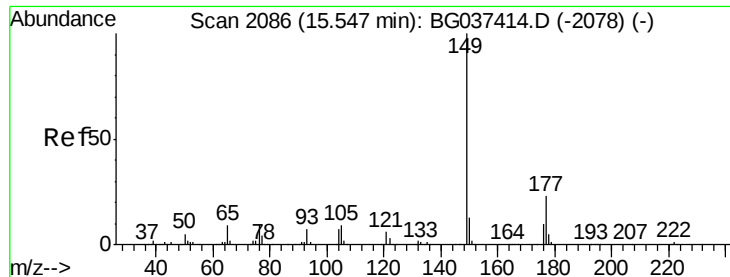
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

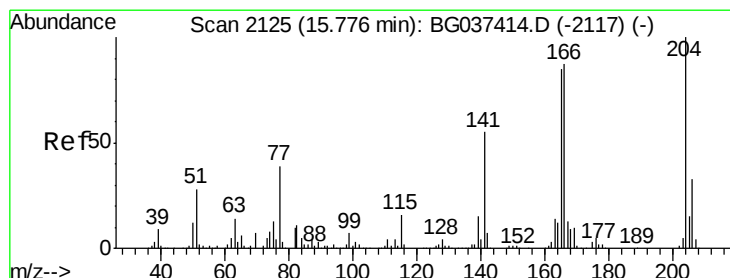
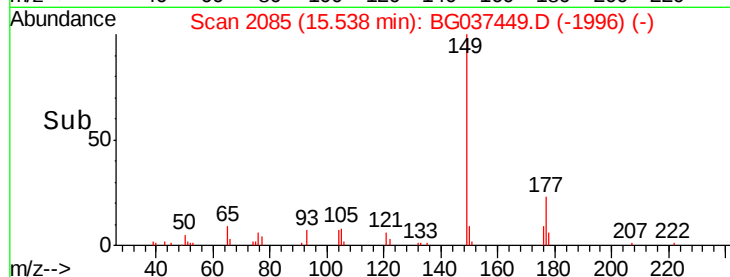
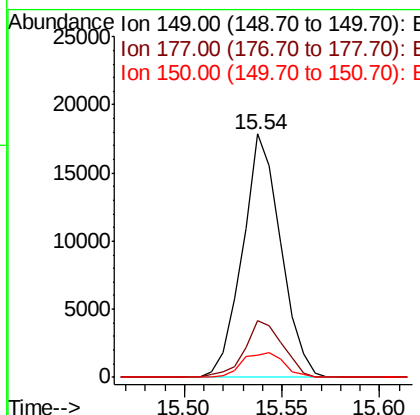
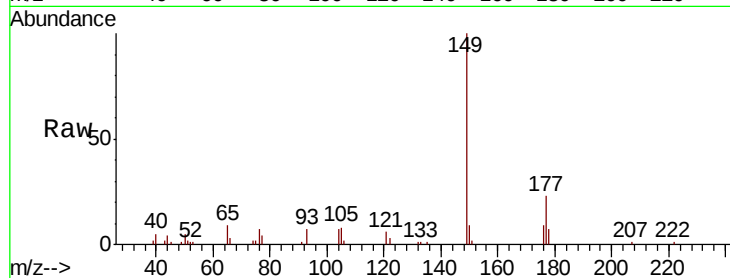




#60
Diethylphthalate
Concen: 1.996 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

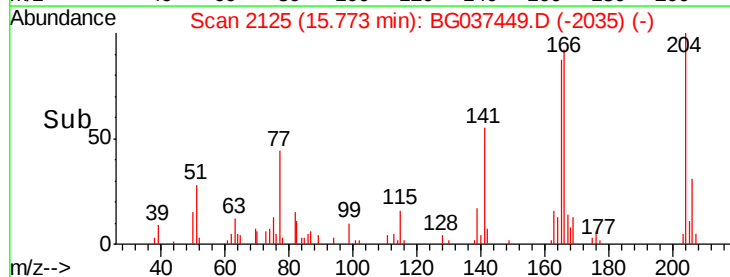
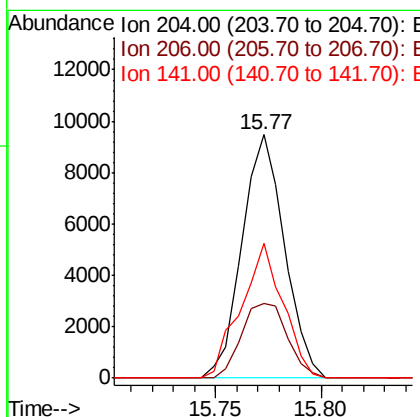
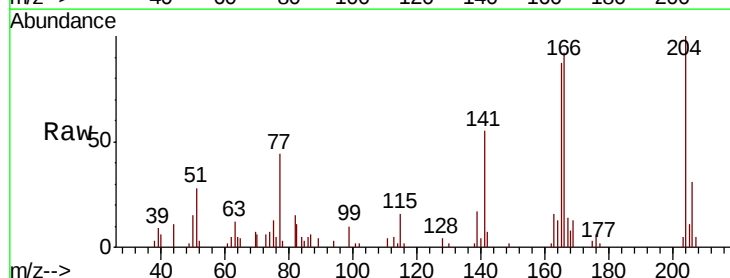
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

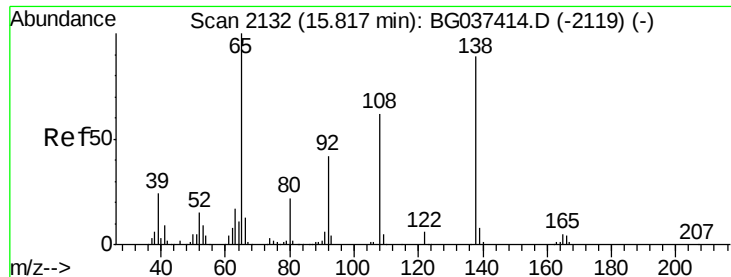
Tgt Ion:149 Resp: 24207
Ion Ratio Lower Upper
149 100
177 23.2 18.3 27.5
150 9.3 10.0 15.0#



#61
4-Chlorophenyl-phenylether
Concen: 2.058 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:204 Resp: 13191
Ion Ratio Lower Upper
204 100
206 30.8 26.6 39.8
141 55.1 45.4 68.2





#62

4-Nitroaniline

Concen: 1.600 ng

RT: 15.81 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

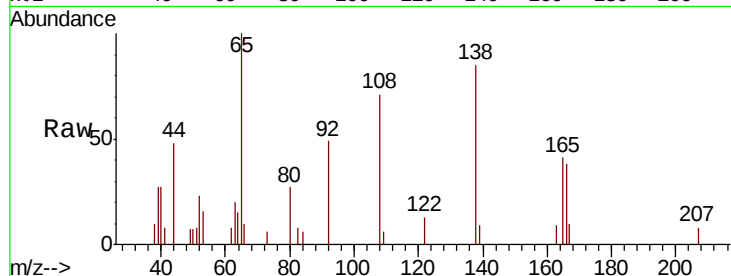
Tgt Ion: 138 Resp: 4611

Ion Ratio Lower Upper

138 100

92 58.1 36.4 76.4

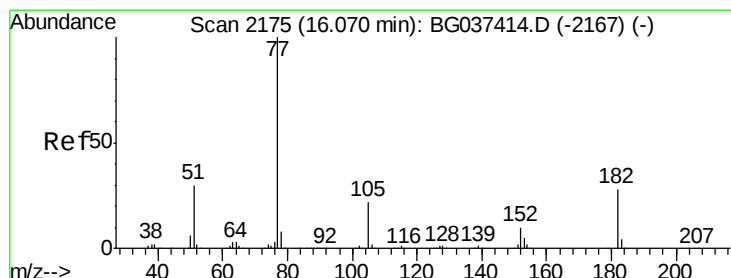
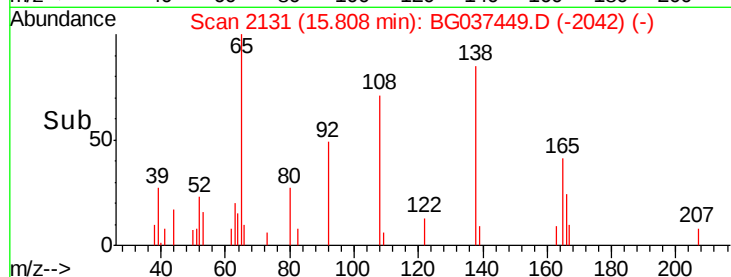
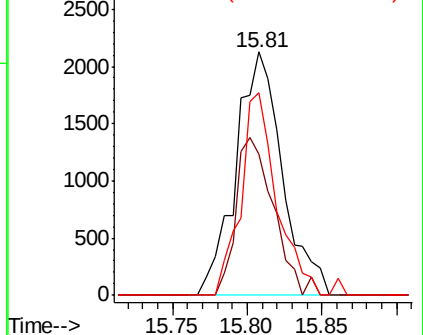
108 83.2 60.1 100.1



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: 2.169 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Tgt Ion: 77 Resp: 25090

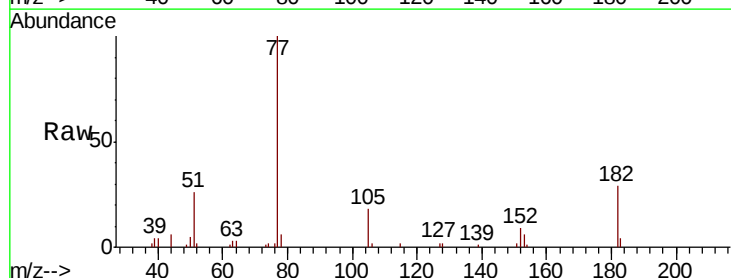
Ion Ratio Lower Upper

77 100

182 29.4 8.0 48.0

105 18.2 1.3 41.3

51 26.2 10.7 50.7

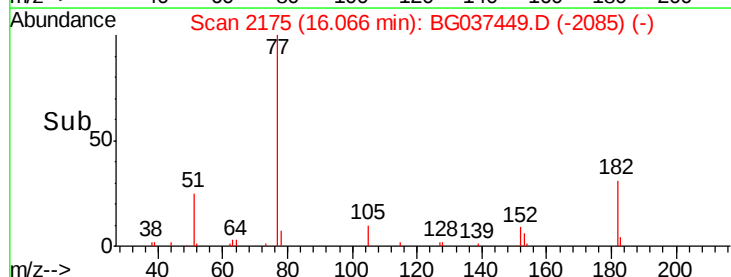
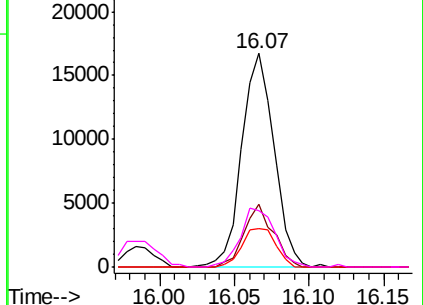


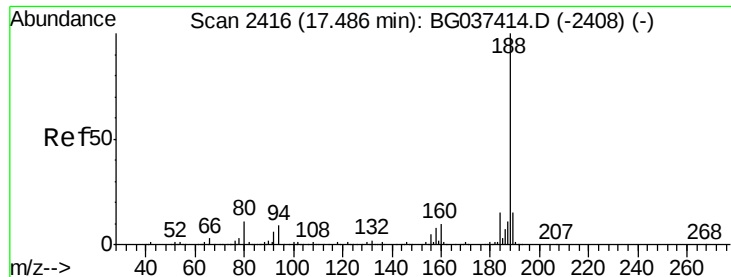
Abundance Ion 77.00 (76.70 to 77.70): BG

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: 17.49 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

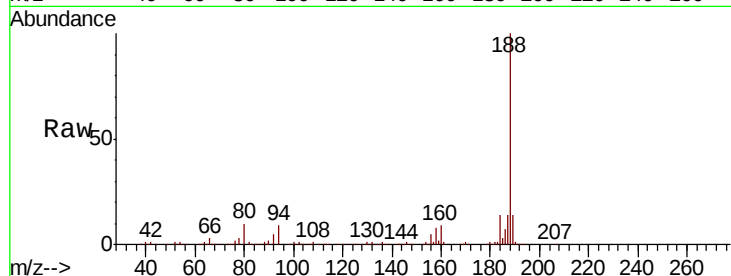
Tgt Ion:188 Resp: 379644

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

80 10.0 7.7 11.5

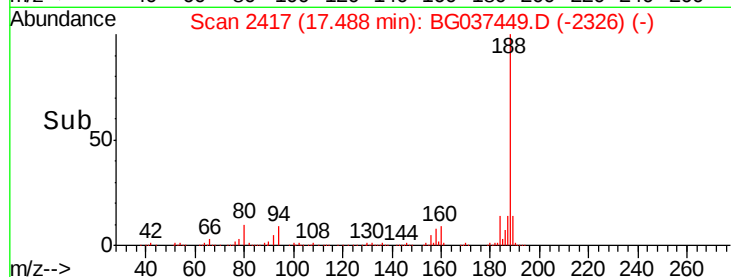


Abundance Ion 188.00 (187.70 to 188.70): E

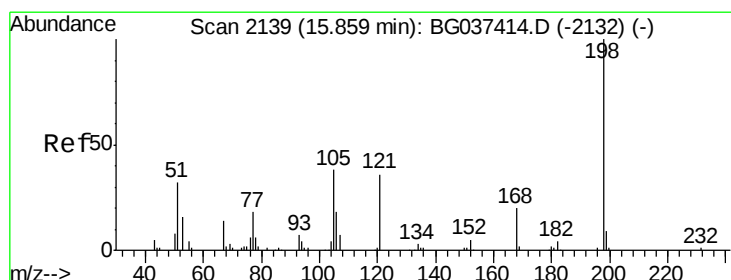
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.819 ng

RT: 15.85 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

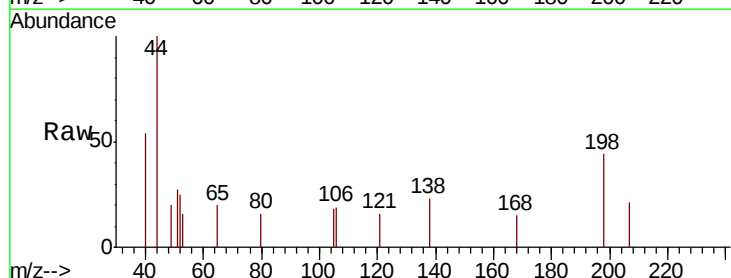
Tgt Ion:198 Resp: 755

Ion Ratio Lower Upper

198 100

51 62.5 22.7 62.7

105 41.7 19.7 59.7

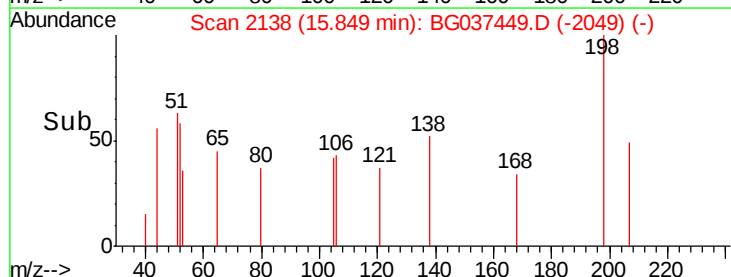


Abundance Ion 198.00 (197.70 to 198.70): E

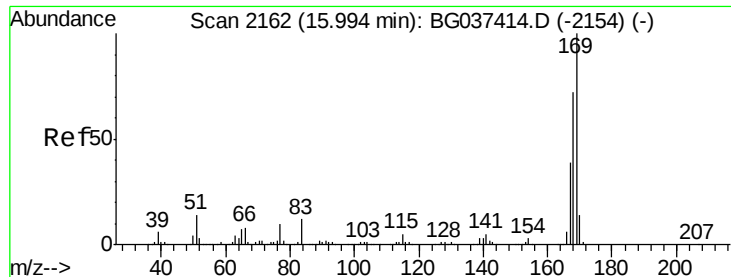
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#66

n-Nitrosodiphenylamine

Concen: 1.867 ng

RT: 15.98 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

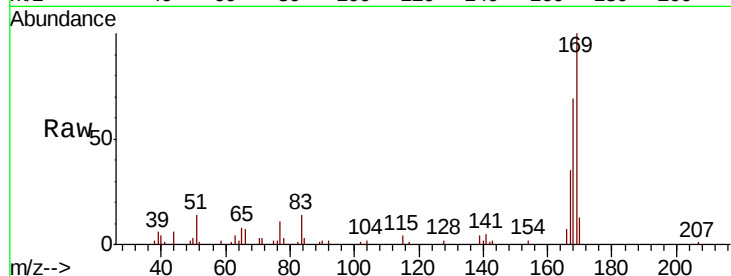
Tgt Ion:169 Resp: 21326

Ion Ratio Lower Upper

169 100

168 69.3 55.7 83.5

167 35.0 31.3 46.9

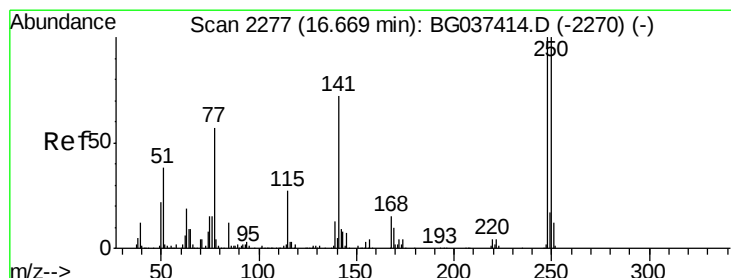
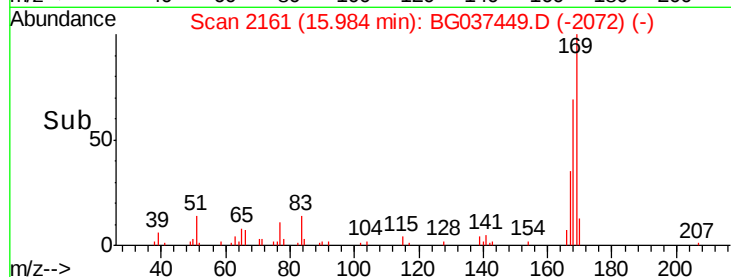
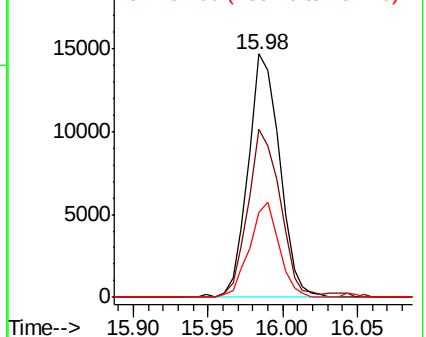


Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 1.893 ng

RT: 16.67 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

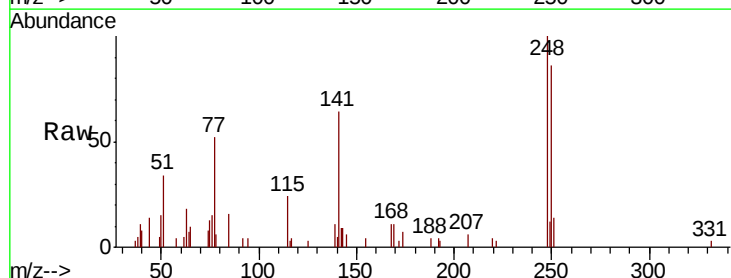
Tgt Ion:248 Resp: 7894

Ion Ratio Lower Upper

248 100

250 85.5 77.0 115.6

141 64.2 55.5 83.3

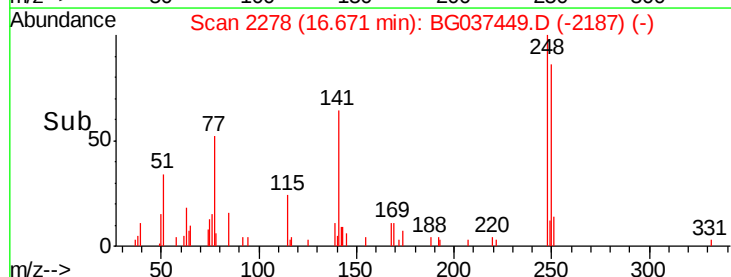
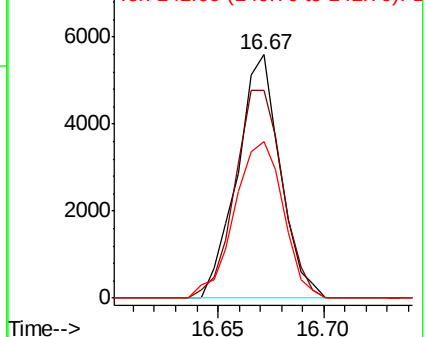


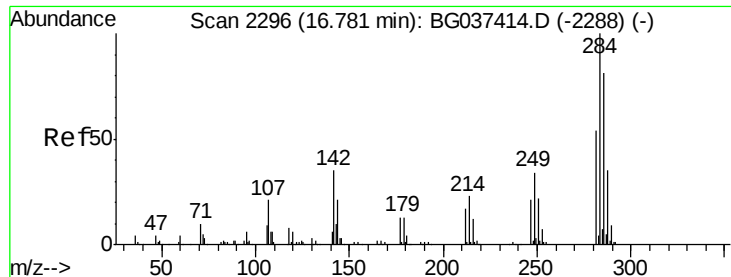
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 1.950 ng

RT: 16.78 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

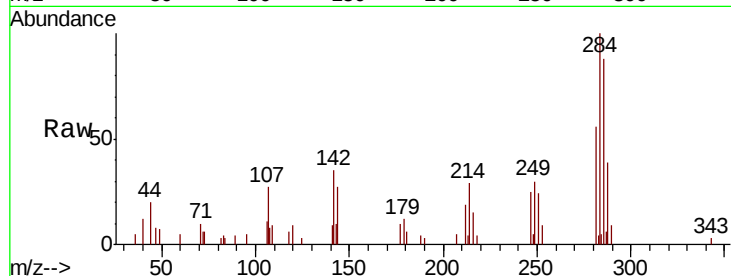
Tgt Ion:284 Resp: 8425

Ion Ratio Lower Upper

284 100

142 33.4 28.1 42.1

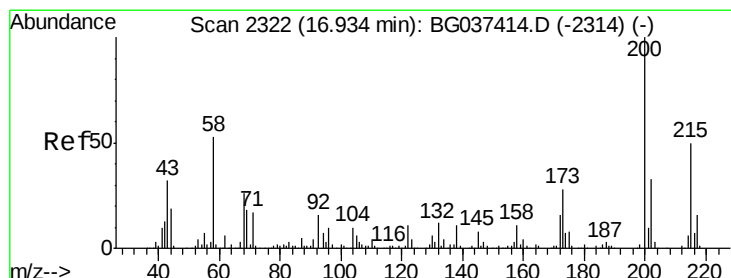
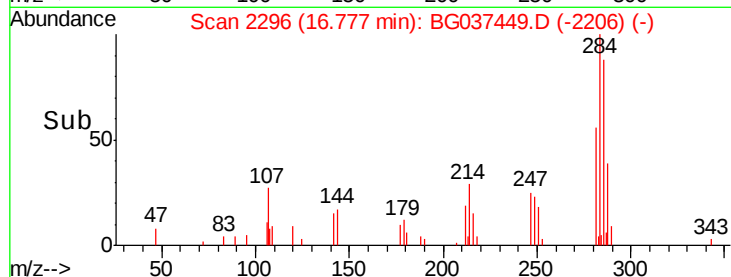
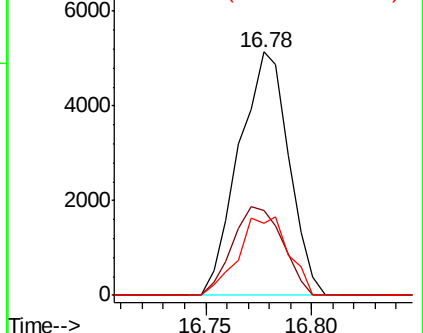
249 28.2 29.8 44.8#



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: 1.751 ng

RT: 16.92 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

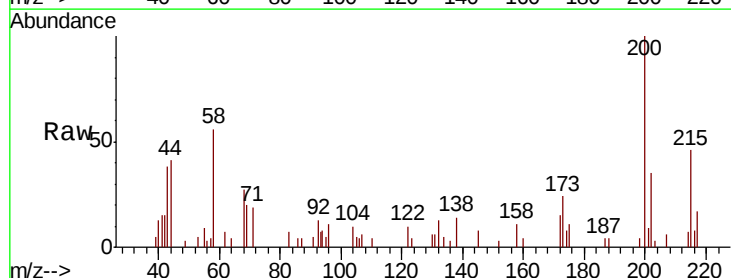
Tgt Ion:200 Resp: 7230

Ion Ratio Lower Upper

200 100

173 24.2 6.1 46.1

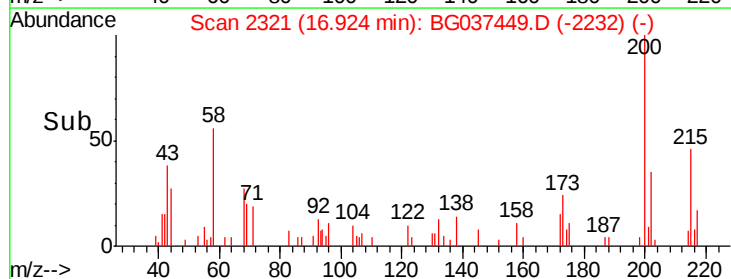
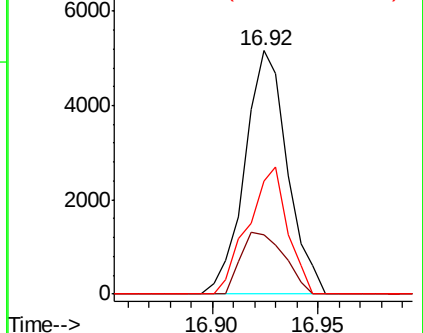
215 46.3 30.8 70.8

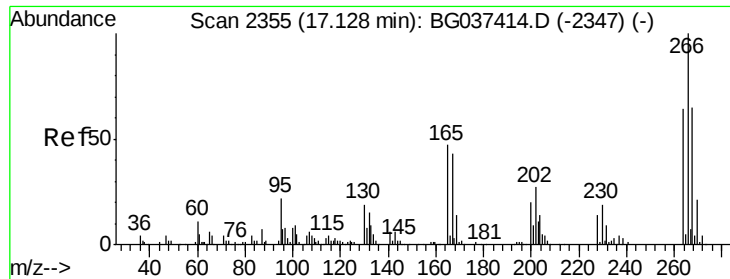


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Pentachlorophenol

Concen: 0.521 ng

RT: 17.13 min Scan# 2356

Delta R.T. 0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

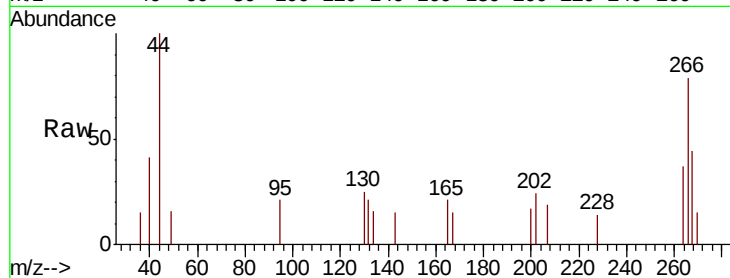
Tgt Ion:266 Resp: 1508

Ion Ratio Lower Upper

266 100

268 55.4 55.0 82.6

264 0.0 58.9 88.3#

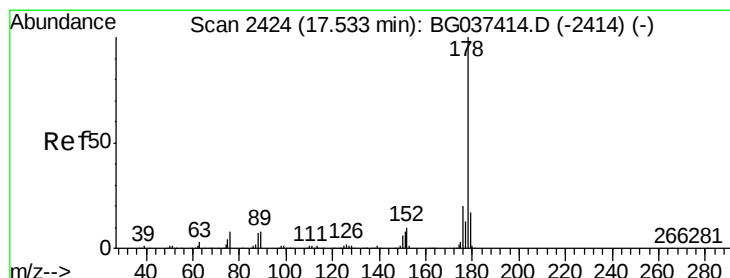
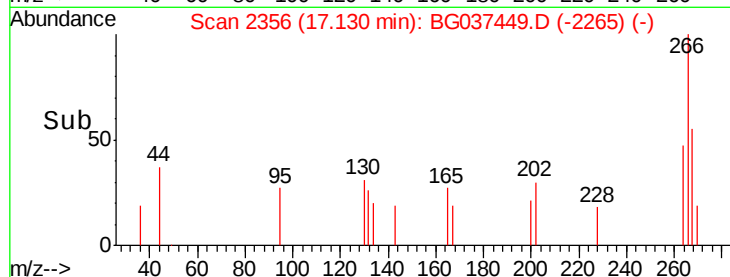
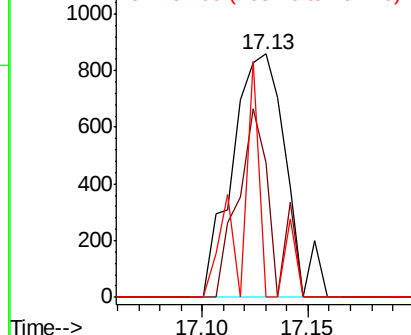


Abundance

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: 2.285 ng

RT: 17.53 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

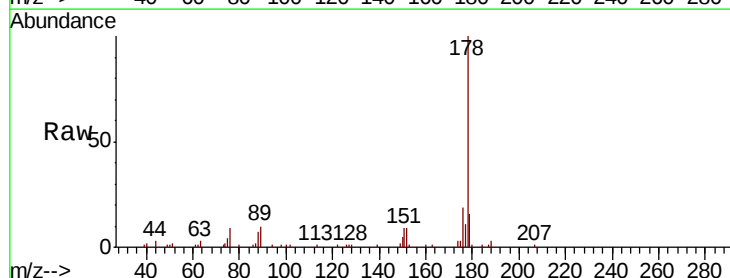
Tgt Ion:178 Resp: 44082

Ion Ratio Lower Upper

178 100

176 19.1 16.1 24.1

179 16.1 13.0 19.4

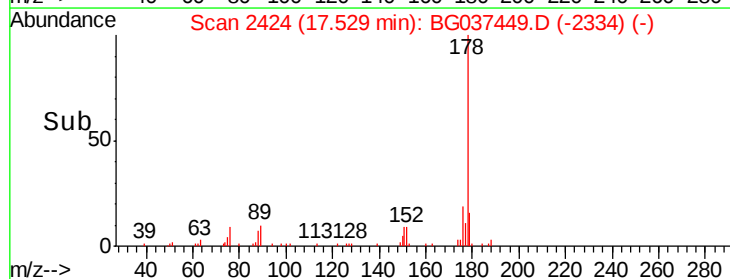
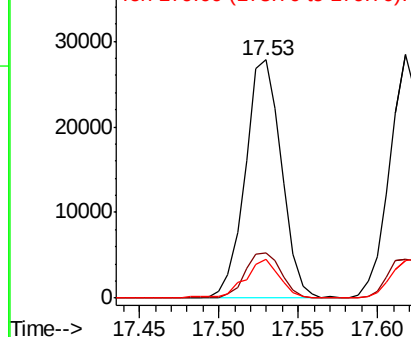


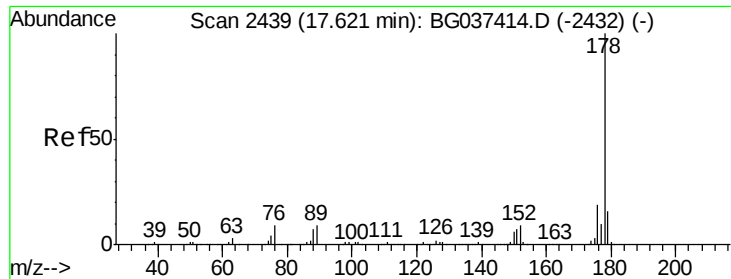
Abundance

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: 2.270 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

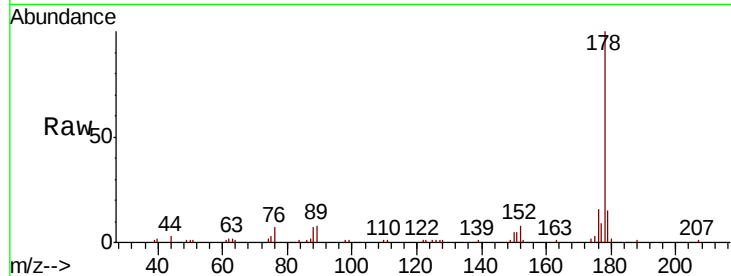
Tgt Ion:178 Resp: 42984

Ion Ratio Lower Upper

178 100

176 15.9 15.0 22.4

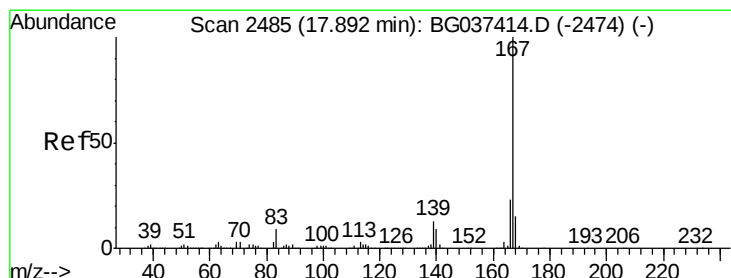
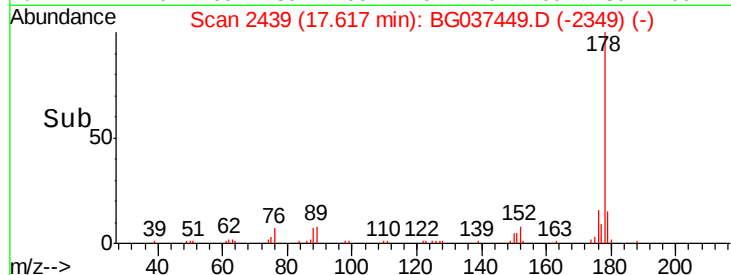
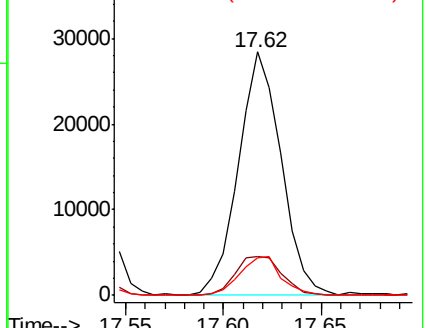
179 15.4 12.8 19.2



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



#73

Carbazole

Concen: 1.894 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

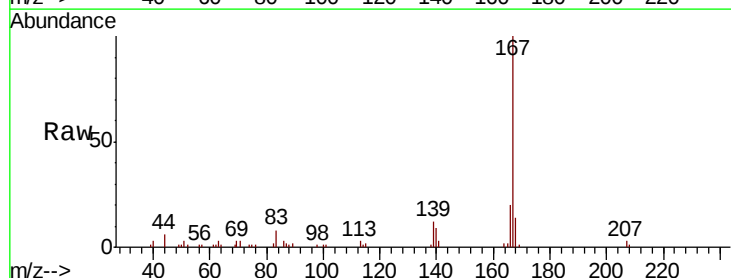
Tgt Ion:167 Resp: 35872

Ion Ratio Lower Upper

167 100

166 20.4 18.3 27.5

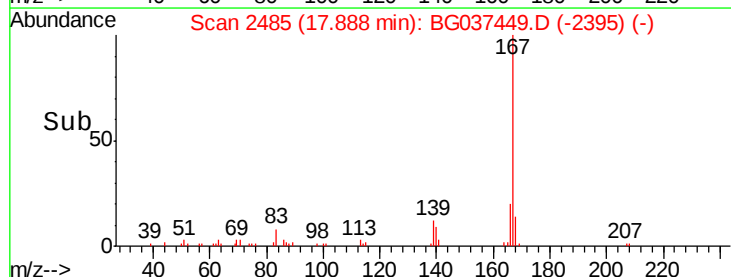
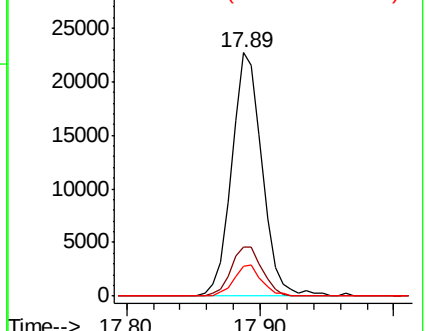
139 12.4 10.5 15.7

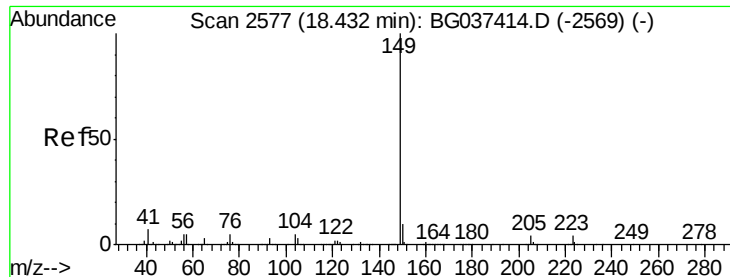


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 1.857 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

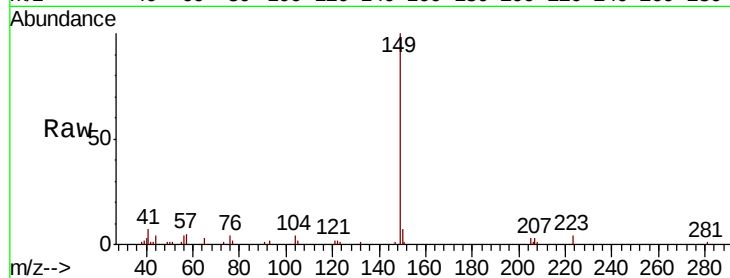
Tgt Ion:149 Resp: 39128

Ion Ratio Lower Upper

149 100

150 7.4 8.2 12.2#

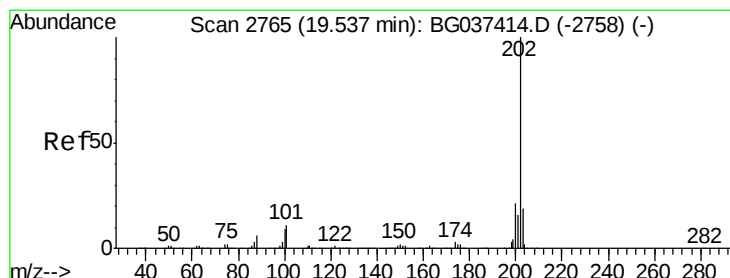
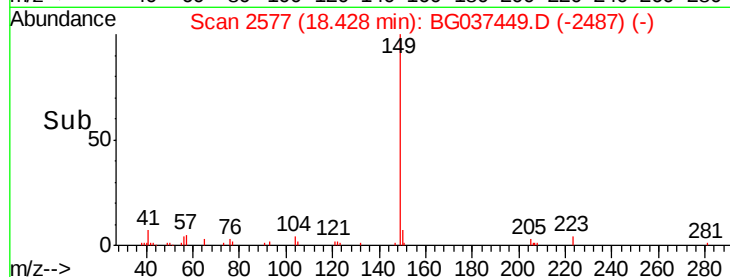
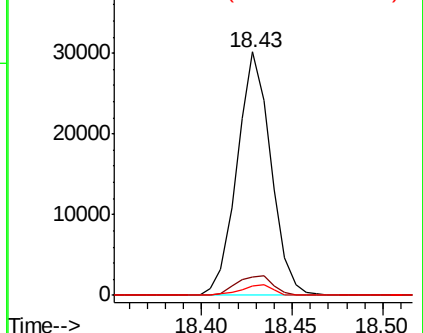
104 3.8 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 2.221 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

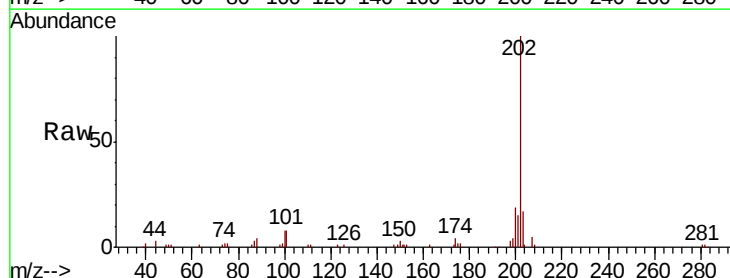
Tgt Ion:202 Resp: 48610

Ion Ratio Lower Upper

202 100

101 7.8 0.0 30.7

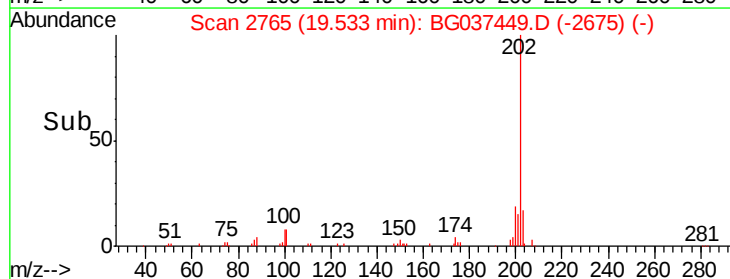
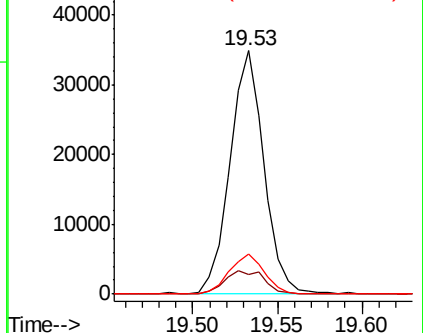
203 16.6 0.0 38.5

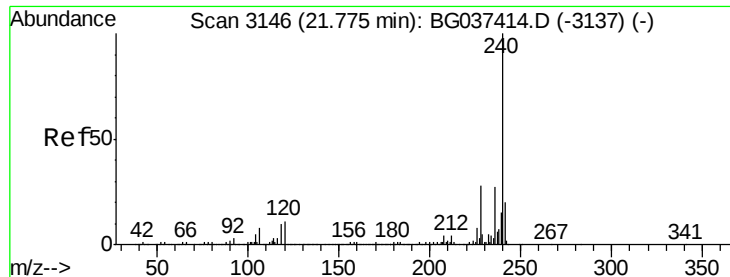


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

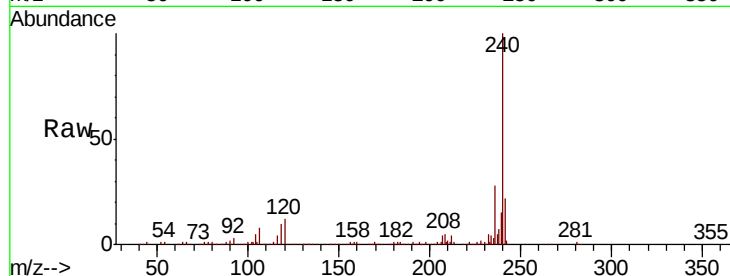




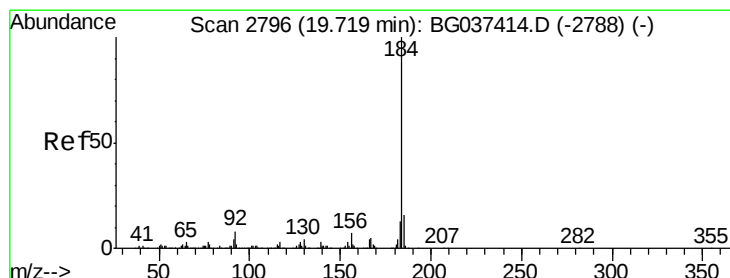
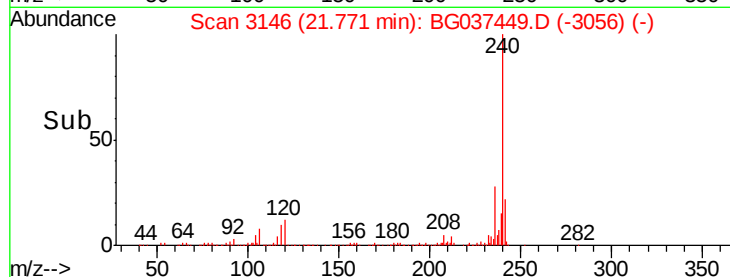
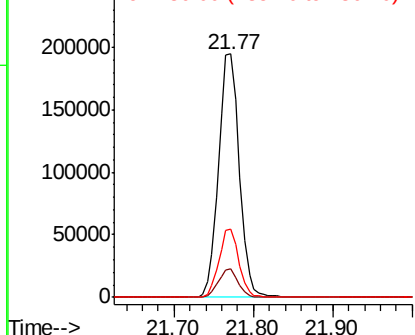
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

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

Tgt Ion:240 Resp: 354097
Ion Ratio Lower Upper
240 100
120 11.8 8.1 12.1
236 27.9 21.4 32.0

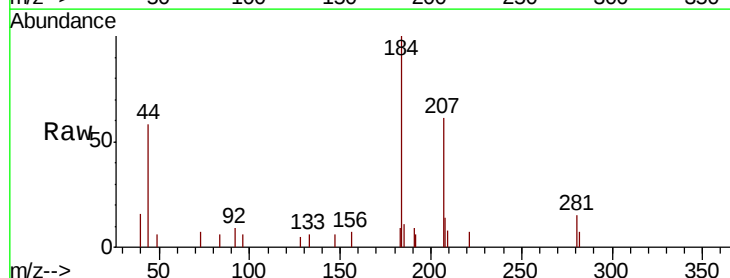


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

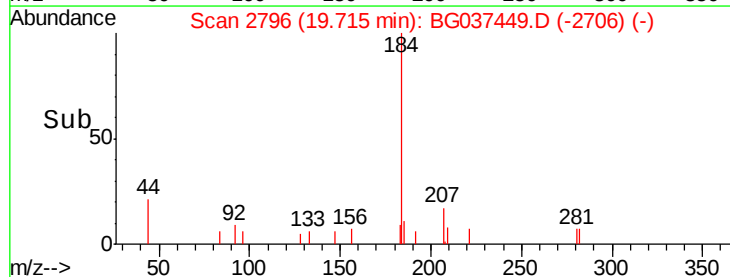
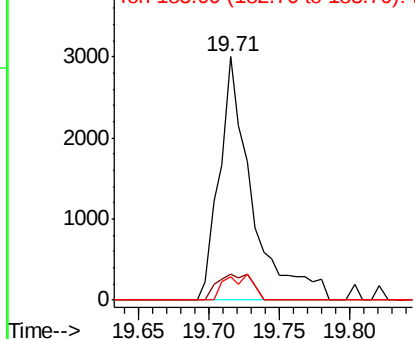


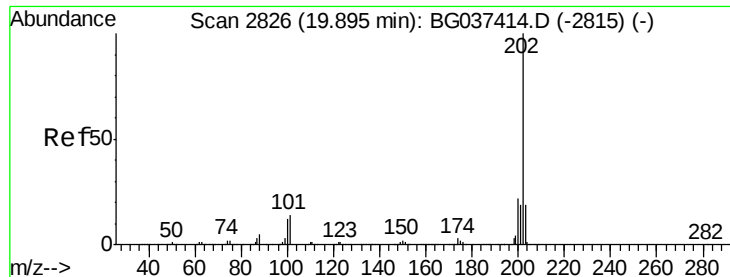
#77
Benzidine
Concen: 0.399 ng
RT: 19.71 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:184 Resp: 4801
Ion Ratio Lower Upper
184 100
185 10.6 12.6 18.8#
183 9.4 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

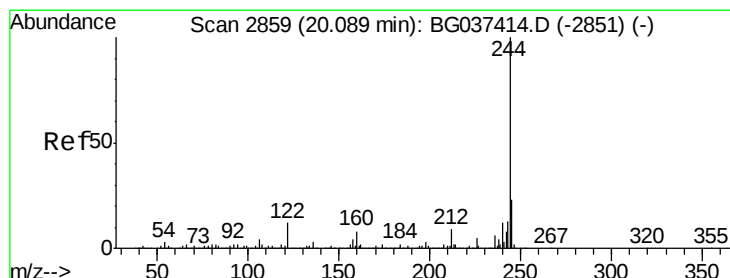
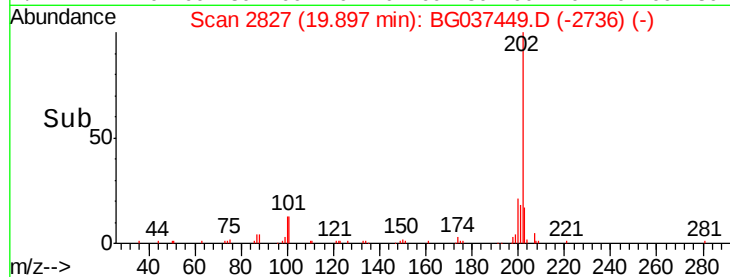
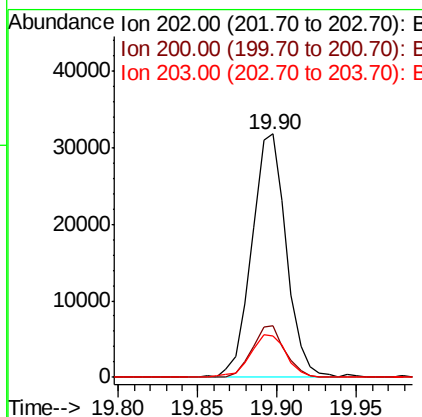
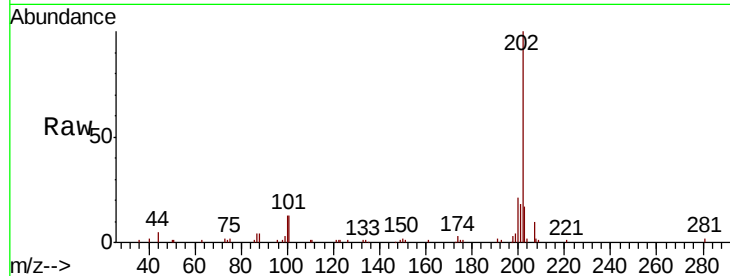




#78
 Pyrene
 Concen: 2.070 ng
 RT: 19.90 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

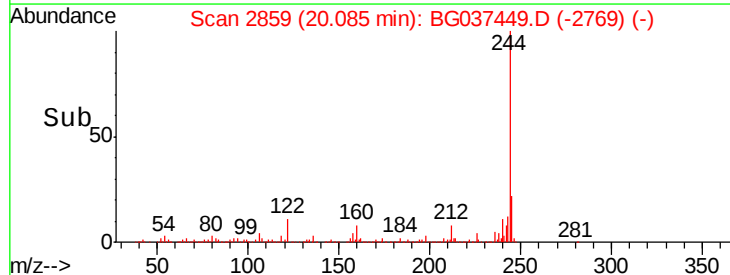
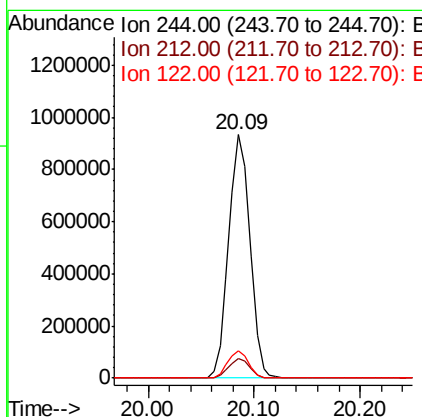
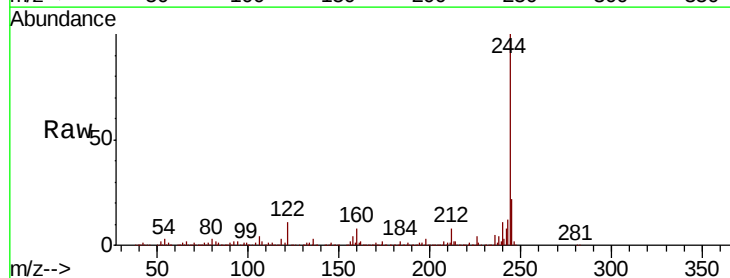
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

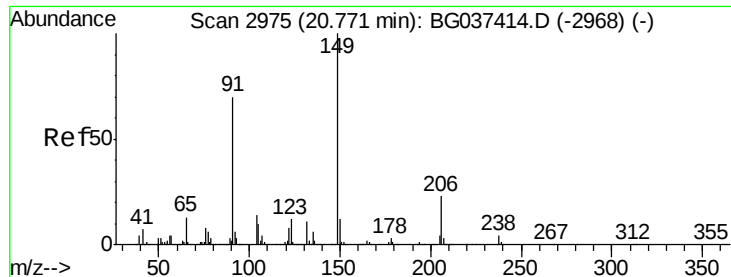
Tgt Ion:202 Resp: 47919
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.8 26.6
 203 17.0 15.2 22.8



#79
 Terphenyl-d14
 Concen: 78.593 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

Tgt Ion:244 Resp: 1302416
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 11.4 9.0 13.4

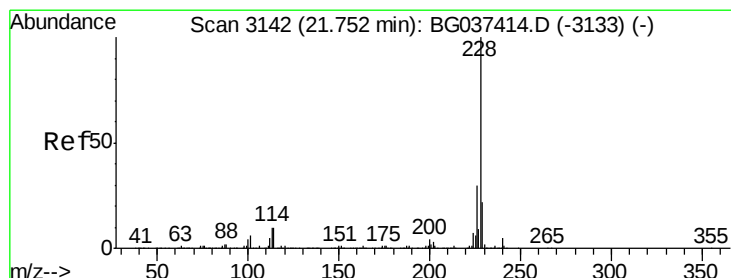
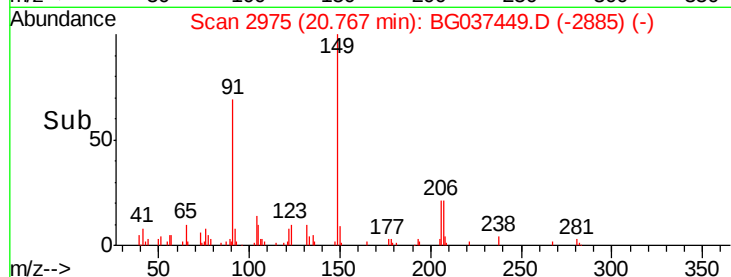
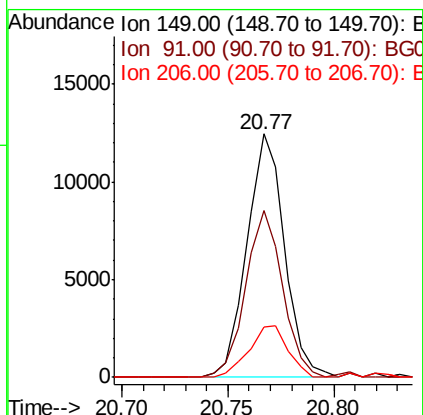
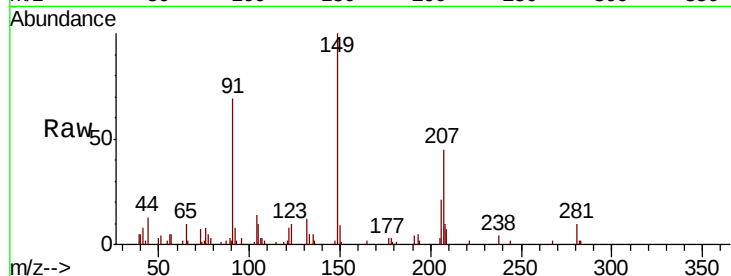




#80
Butylbenzylphthalate
Concen: 1.621 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

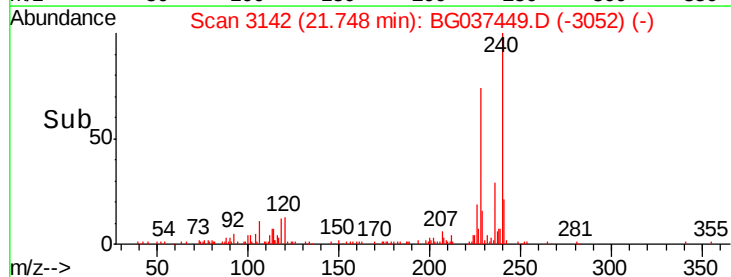
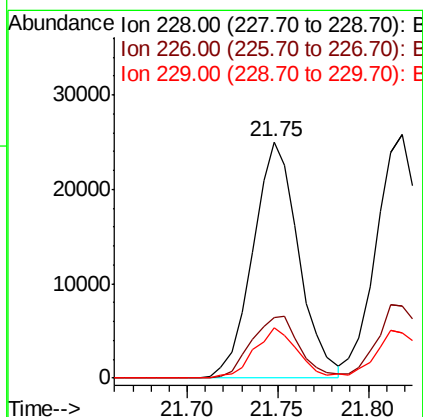
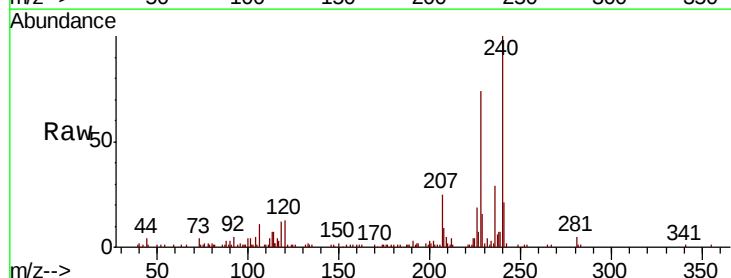
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

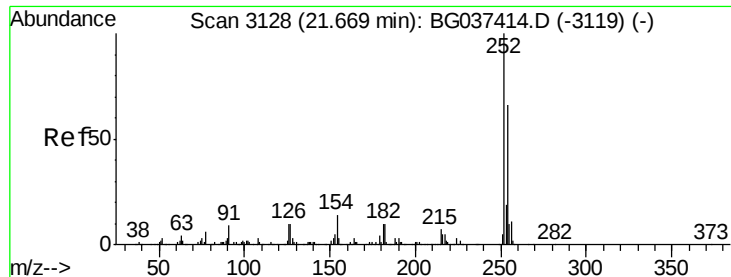
Tgt Ion:149 Resp: 15356
Ion Ratio Lower Upper
149 100
91 68.6 57.0 85.4
206 20.9 17.8 26.6



#81
Benzo(a)anthracene
Concen: 2.102 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:228 Resp: 44021
Ion Ratio Lower Upper
228 100
226 25.6 22.6 33.8
229 21.4 16.3 24.5





#82

3,3'-Dichlorobenzidine

Concen: 1.139 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

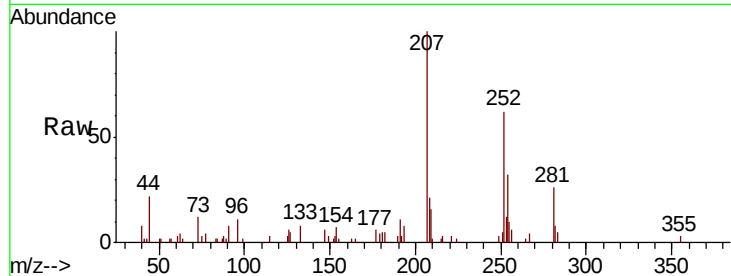
Instrument :

BNA_G

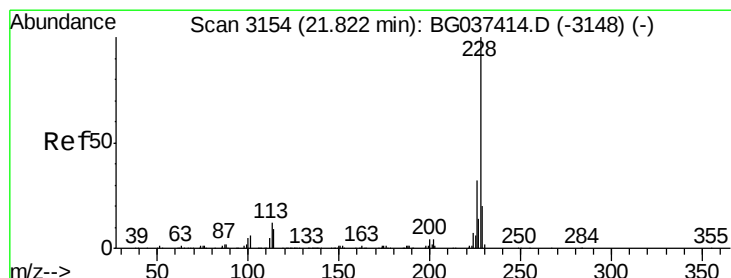
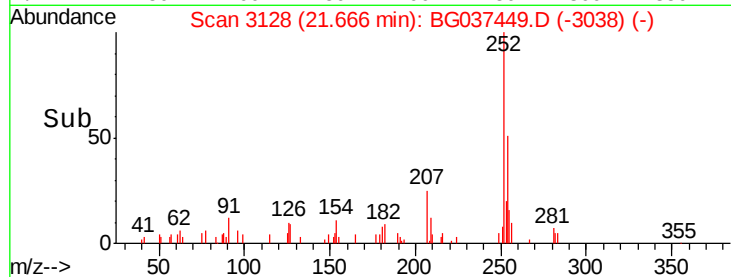
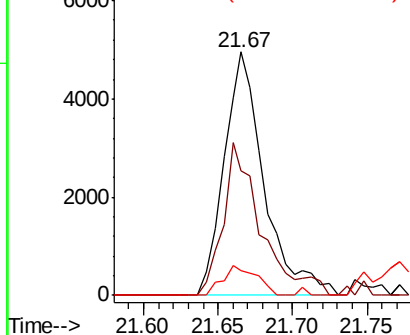
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	252	Resp:	9244
Ion Ratio	Lower	Upper	
252	100		
254	51.4	52.0	78.0#
126	10.1	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: 2.201 ng

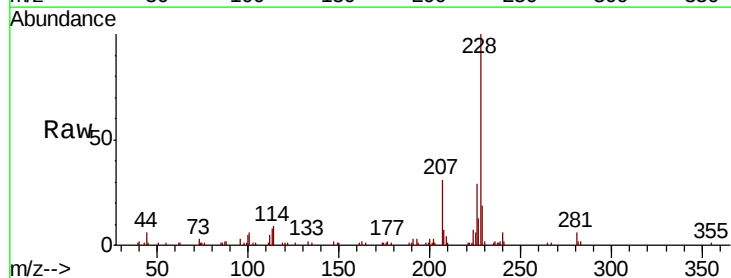
RT: 21.82 min Scan# 3154

Delta R.T. -0.00 min

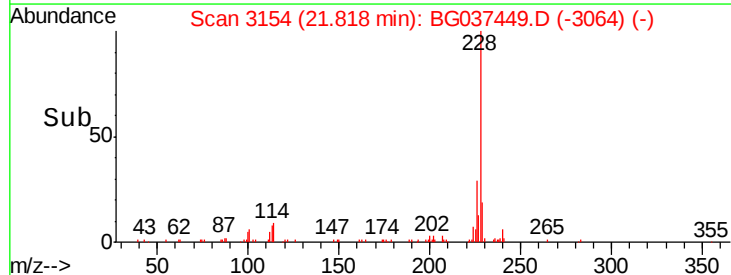
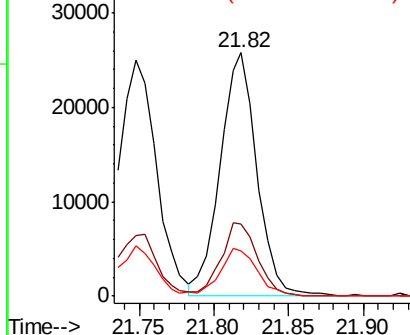
Lab File: BG037449.D

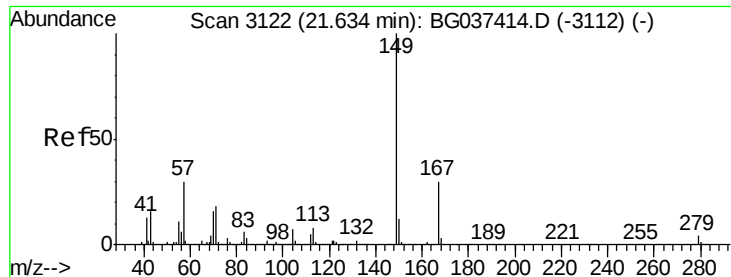
Acq: 19 Oct 2018 12:03

Tgt Ion:	228	Resp:	44334
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.7	38.5
229	18.6	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: 1.580 ng

RT: 21.63 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

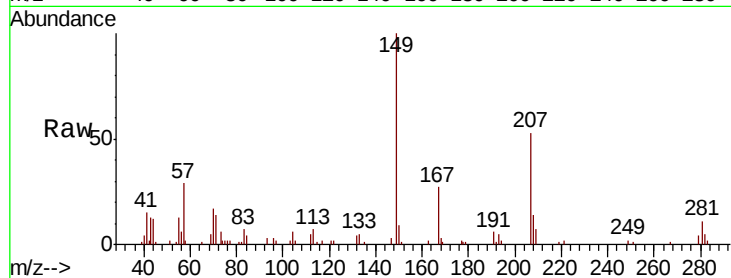
Tgt Ion:149 Resp: 20984

Ion Ratio Lower Upper

149 100

167 26.6 23.0 34.4

279 3.5 3.6 5.4#

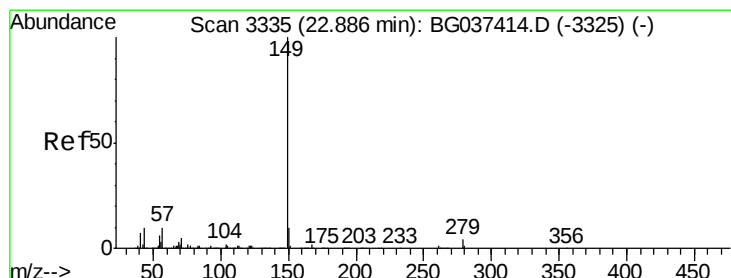
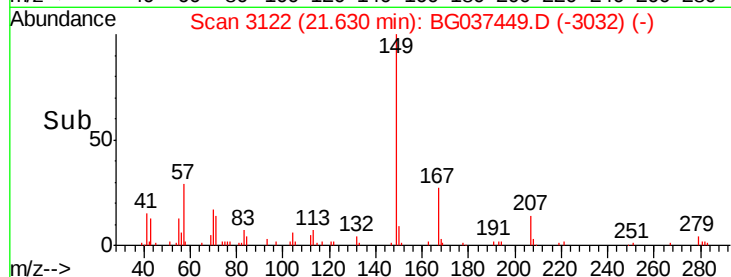
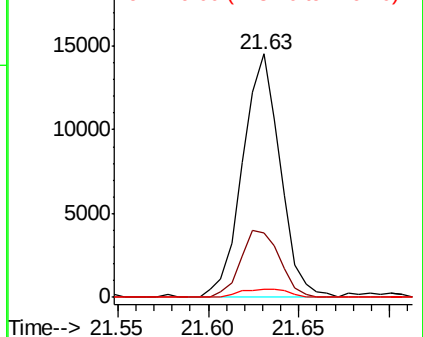


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 1.568 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

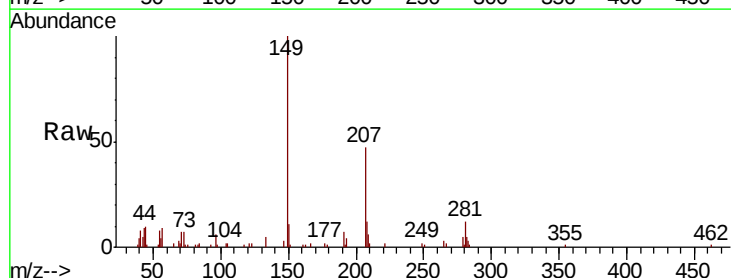
Tgt Ion:149 Resp: 33960

Ion Ratio Lower Upper

149 100

167 1.1 1.3 1.9#

43 11.4 8.7 13.1

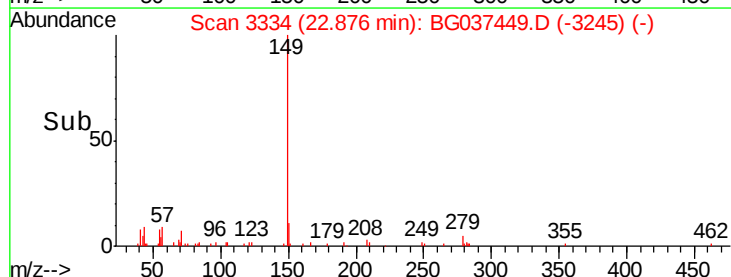
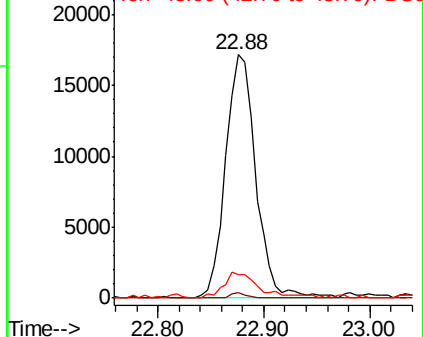


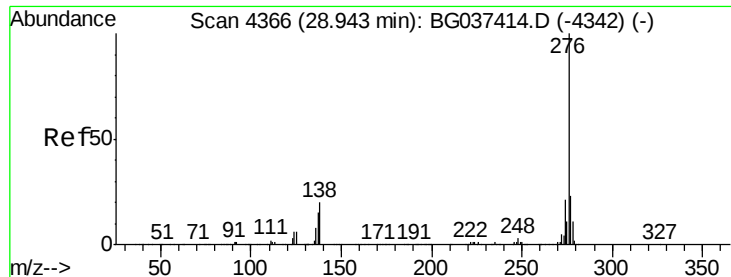
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

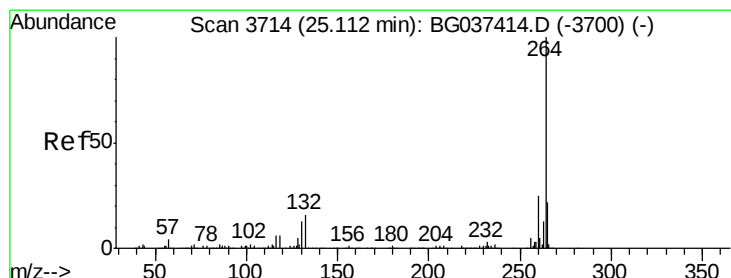
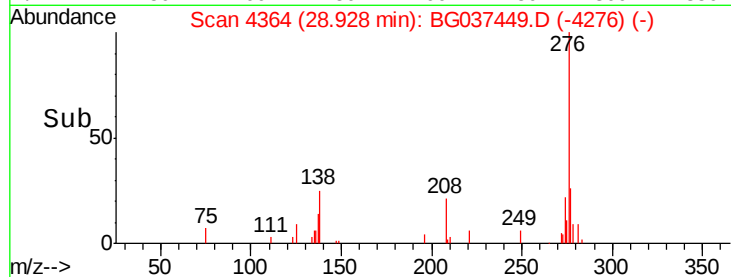
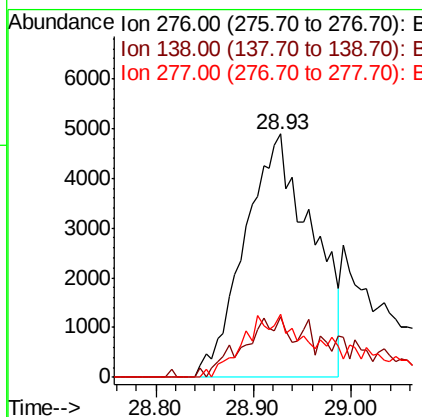
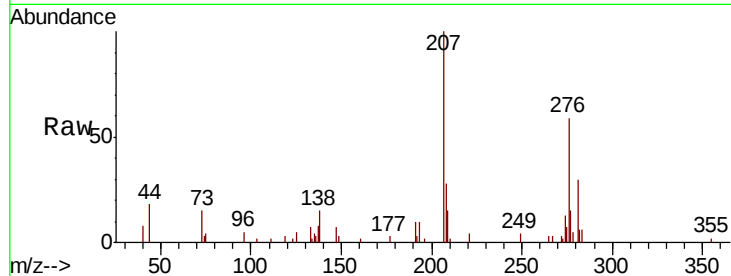




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 1.085 ng
 RT: 28.93 min Scan# 4364
 Delta R.T. -0.02 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

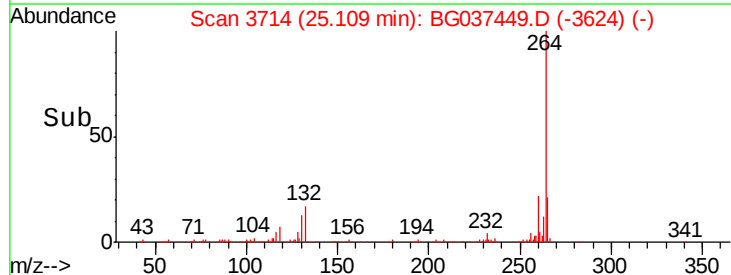
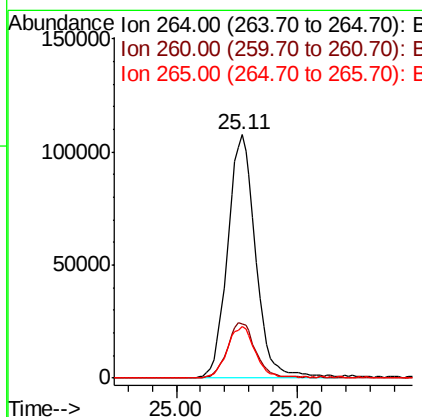
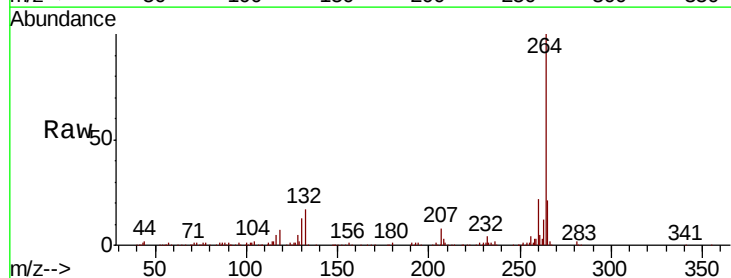
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

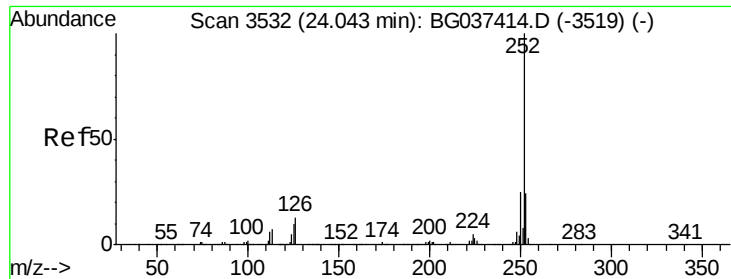
Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	12.0	18.0#
277	0.0	20.6	30.8#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3714
 Delta R.T. -0.00 min
 Lab File: BG037449.D
 Acq: 19 Oct 2018 12:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.2	27.4
265	21.5	17.9	26.9

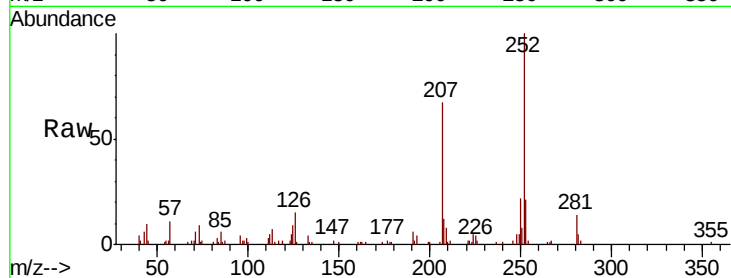




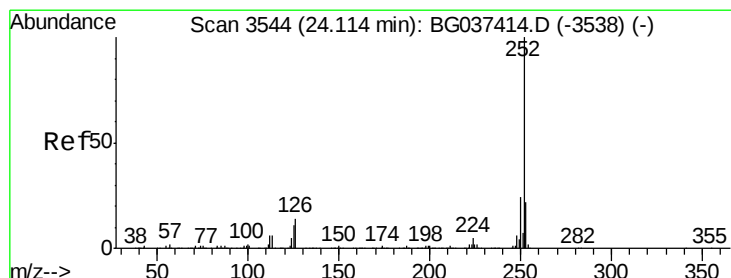
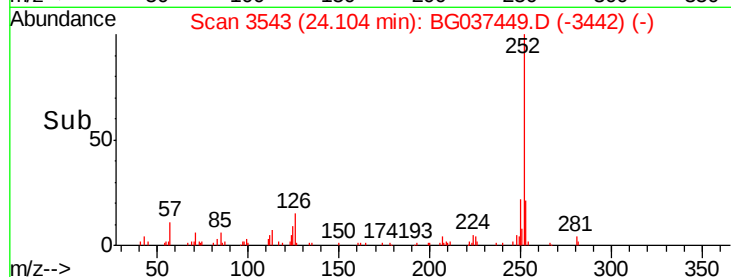
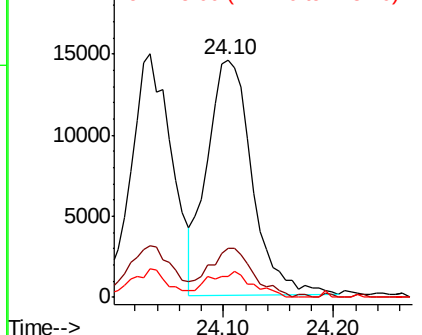
#88
Benzo(b)fluoranthene
Concen: 2.157 ng
RT: 24.10 min Scan# 3543
Delta R.T. 0.06 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

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

Tgt Ion:252 Resp: 41092
Ion Ratio Lower Upper
252 100
253 20.6 18.2 27.2
125 8.8 7.8 11.6

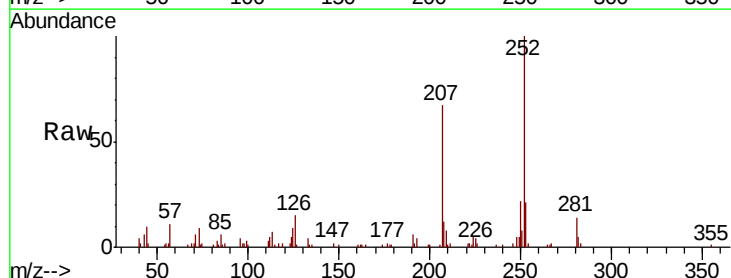


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

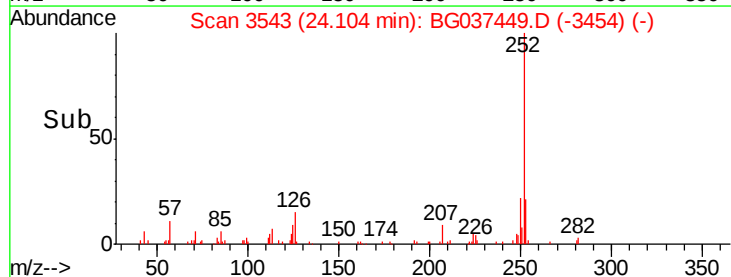
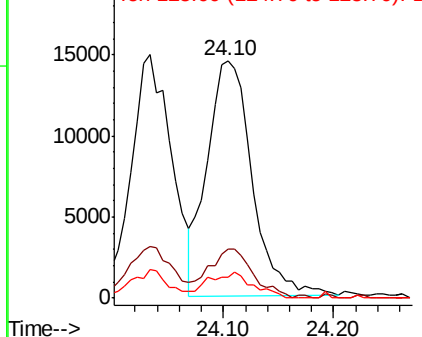


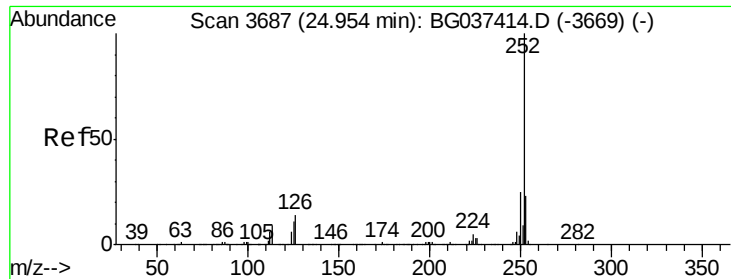
#89
Benzo(k)fluoranthene
Concen: 2.202 ng
RT: 24.10 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037449.D
Acq: 19 Oct 2018 12:03

Tgt Ion:252 Resp: 41092
Ion Ratio Lower Upper
252 100
253 20.6 17.4 26.2
125 8.8 7.4 11.0



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





#90

Benzo(a)pyrene

Concen: 1.981 ng

RT: 24.94 min Scan# 3685

Delta R.T. -0.02 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

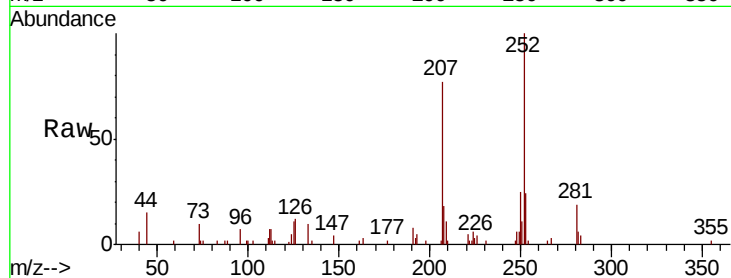
Tgt Ion:252 Resp: 35855

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

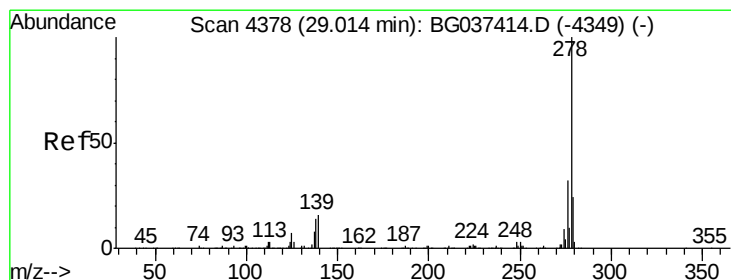
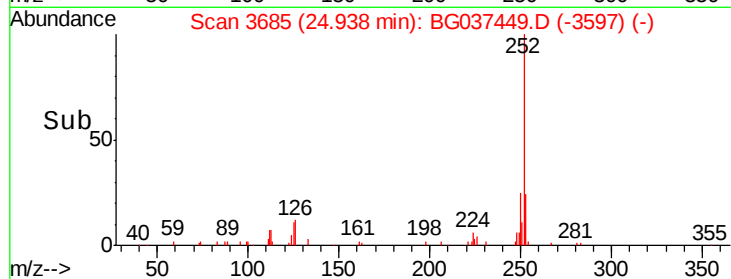
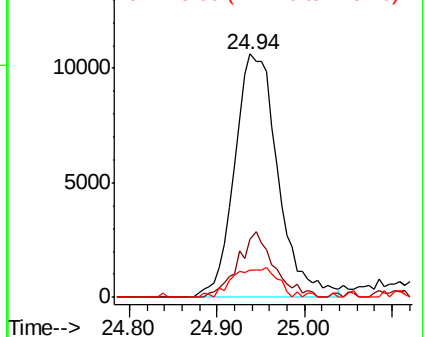
125 11.0 9.0 13.6



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: 0.667 ng

RT: 29.00 min Scan# 4376

Delta R.T. -0.02 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

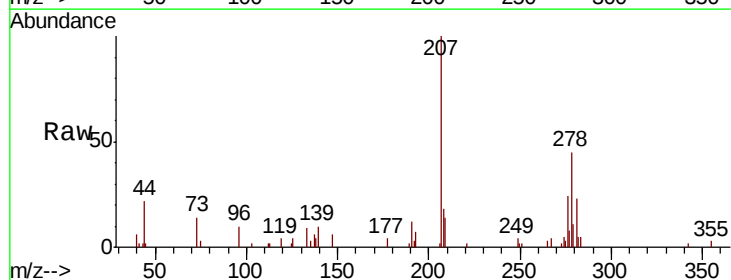
Tgt Ion:278 Resp: 11132

Ion Ratio Lower Upper

278 100

139 21.4 11.5 17.3#

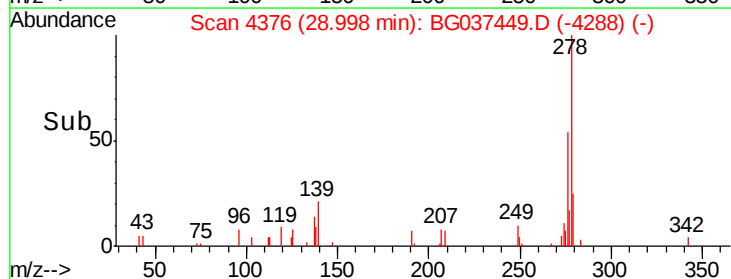
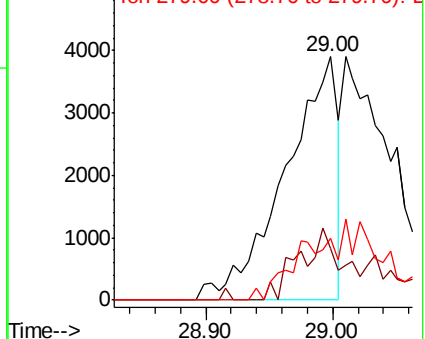
279 25.4 18.6 27.8

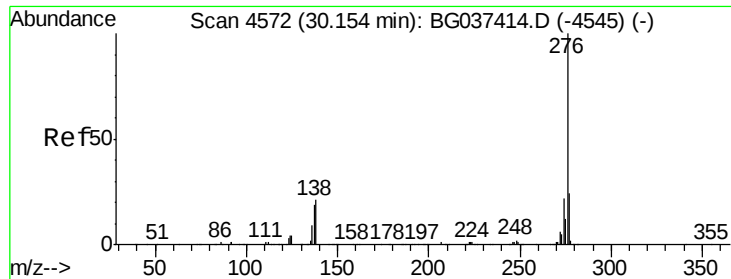


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.719 ng

RT: 30.12 min Scan# 4567

Delta R.T. -0.03 min

Lab File: BG037449.D

Acq: 19 Oct 2018 12:03

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 276 Resp: 29041

Ion Ratio Lower Upper

276 100

277 22.6 18.9 28.3

138 22.4 17.2 25.8

