

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037428.D
 Acq On : 18 Oct 2018 20:34
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 2 PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 19 07:00:10 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	50942	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	231202	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	158012	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	386058	20.00	ng	0.00
76) Chrysene-d12	21.77	240	367754	20.00	ng	0.00
87) Perylene-d12	25.10	264	357967	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	411188	134.95	ng	0.00
7) Phenol-d6	7.25	99	595397	129.22	ng	0.00
23) Nitrobenzene-d5	9.29	82	338920	82.12	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	233809	135.67	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	852122	81.32	ng	0.00
79) Terphenyl-d14	20.09	244	1322360	76.83	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.94	88	611	0.395	ng	98
3) Pyridine	3.96	79	7129	1.830	ng	# 90
4) n-Nitrosodimethylamine	3.87	42	3193	2.302	ng	# 90
6) Aniline	7.44	93	6803	1.210	ng	# 89
8) 2-Chlorophenol	7.66	128	6888	1.932	ng	91
9) Benzaldehyde	7.25	77	5916	2.053	ng	# 75
10) Phenol	7.27	94	10163	2.091	ng	# 78
11) bis(2-Chloroethyl)ether	7.53	93	6871	1.861	ng	88
12) 1,3-Dichlorobenzene	7.99	146	8040	2.026	ng	96
13) 1,4-Dichlorobenzene	7.99	146	8040	1.981	ng	96
14) 1,2-Dichlorobenzene	8.46	146	7864	2.014	ng	92
15) Benzyl Alcohol	8.35	79	6072	1.784	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	8.63	45	13206	1.999	ng	97
17) 2-Methylphenol	8.53	107	5648	1.757	ng	95
18) Hexachloroethane	9.20	117	2791	2.017	ng	# 79
19) n-Nitroso-di-n-propylamine	8.91	70	6015	1.896	ng	# 75
20) 3+4-Methylphenols	8.86	107	8237	1.793	ng	88
22) Acetophenone	8.94	105	11841	2.042	ng	# 91
24) Nitrobenzene	9.33	77	8676	2.024	ng	97
25) Isophorone	9.84	82	15698	2.082	ng	# 96
26) 2-Nitrophenol	10.04	139	3112	1.611	ng	# 82
27) 2,4-Dimethylphenol	10.08	122	7090	2.056	ng	93
28) bis(2-Chloroethoxy)methane	10.33	93	9594	1.942	ng	98
29) 2,4-Dichlorophenol	10.56	162	7074	1.842	ng	81
30) 1,2,4-Trichlorobenzene	10.79	180	8276	1.982	ng	88
31) Naphthalene	10.98	128	25327	2.230	ng	97
32) Benzoic acid	10.08	122	7090	3.165	ng	# 9
33) 4-Chloroaniline	11.10	127	5939	1.113	ng	# 91
34) Hexachlorobutadiene	11.24	225	4756	1.922	ng	93
35) Caprolactam	11.85	113	1895	1.231	ng	# 78
36) 4-Chloro-3-methylphenol	12.19	107	7521	1.737	ng	94
37) 2-Methylnaphthalene	12.58	142	18712	2.260	ng	91
38) 1-Methylnaphthalene	12.79	142	18637	2.318	ng	96
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	10176	1.997	ng	95

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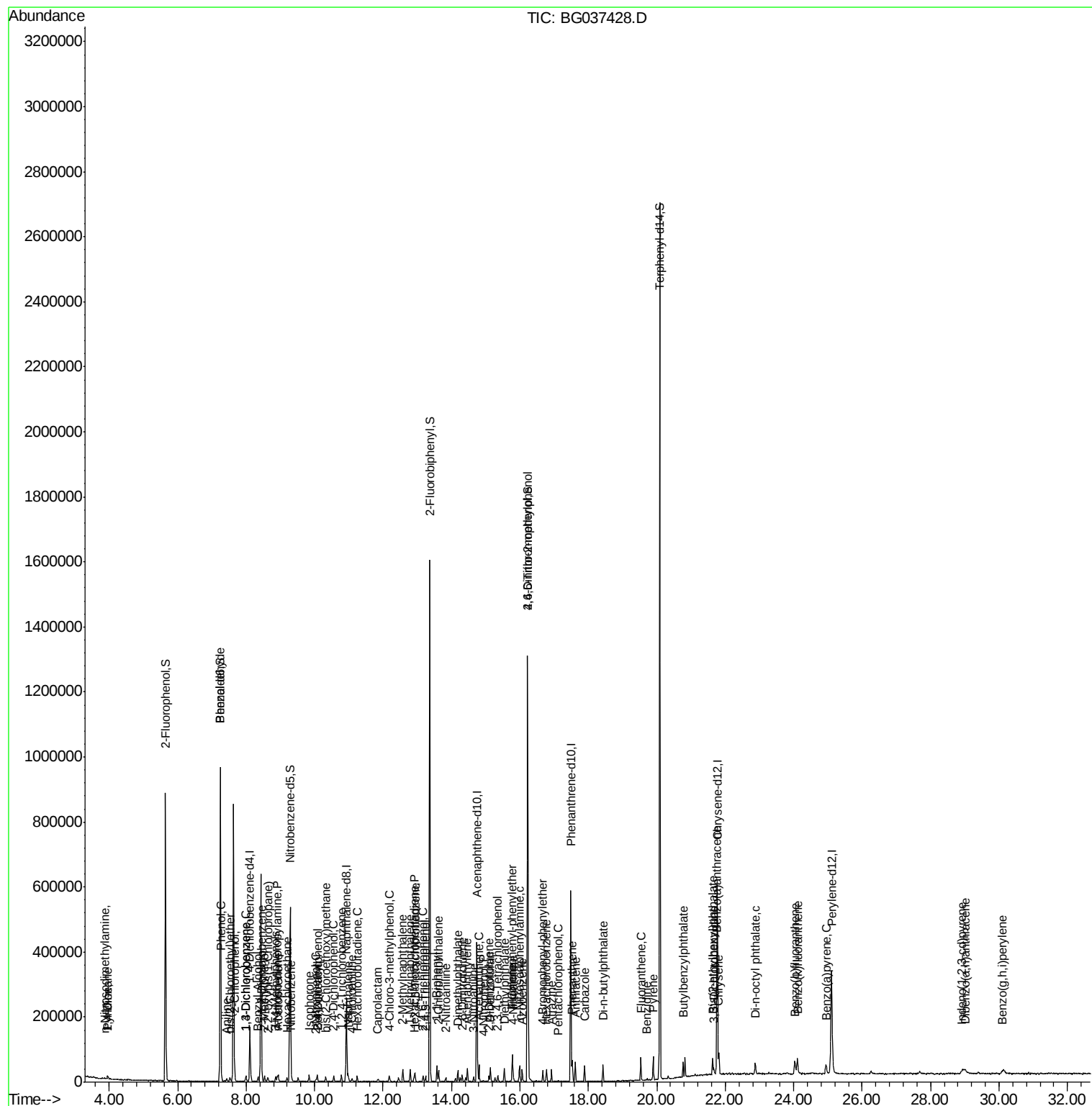
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	4120	1.692	ng	94
43) 2,4,6-Trichlorophenol	13.17	196	5199	1.527	ng	95
44) 2,4,5-Trichlorophenol	13.24	196	6261	1.689	ng	91
46) 1,1'-Biphenyl	13.58	154	26870	2.053	ng	95
47) 2-Chloronaphthalene	13.62	162	20378	2.058	ng	95
48) 2-Nitroaniline	13.83	65	4676	1.557	ng	# 80
49) Acenaphthylene	14.47	152	32022	2.150	ng	95
50) Dimethylphthalate	14.19	163	25148	2.057	ng	97
51) 2,6-Dinitrotoluene	14.31	165	4367	1.615	ng	92
52) Acenaphthene	14.80	154	19589	2.136	ng	99
53) 3-Nitroaniline	14.64	138	4133	1.377	ng	# 74
55) Dibenzofuran	15.14	168	32366	2.130	ng	94
56) 4-Nitrophenol	14.94	139	1709	0.769	ng	96
57) 2,4-Dinitrotoluene	15.10	165	5509	1.552	ng	# 87
58) Fluorene	15.78	166	26022	2.287	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.36	232	5127	1.615	ng	# 90
60) Diethylphthalate	15.54	149	24589	1.959	ng	96
61) 4-Chlorophenyl-phenylether	15.77	204	12958	1.954	ng	91
62) 4-Nitroaniline	15.80	138	4568	1.531	ng	88
63) Azobenzene	16.07	77	23515	1.964	ng	94
65) 4,6-Dinitro-2-methylphenol	16.23	198	953	8.895	ng	69
66) n-Nitrosodiphenylamine	15.99	169	21658	1.865	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	7669	1.809	ng	97
68) Hexachlorobenzene	16.78	284	9167	2.086	ng	93
69) Atrazine	16.92	200	7121	1.696	ng	98
70) Pentachlorophenol	17.12	266	1392	0.473	ng	96
71) Phenanthrene	17.53	178	43788	2.232	ng	97
72) Anthracene	17.62	178	42333	2.199	ng	99
73) Carbazole	17.89	167	35706	1.854	ng	100
74) Di-n-butylphthalate	18.43	149	38911	1.816	ng	# 94
75) Fluoranthene	19.53	202	49119	2.207	ng	99
77) Benzidine	19.72	184	3948	0.316	ng	# 93
78) Pyrene	19.90	202	50922	2.118	ng	95
80) Butylbenzylphthalate	20.77	149	15413	1.567	ng	98
81) Benzo(a)anthracene	21.75	228	44944	2.066	ng	99
82) 3,3'-Dichlorobenzidine	21.67	252	9892	1.173	ng	94
83) Chrysene	21.81	228	46691	2.232	ng	96
84) Bis(2-ethylhexyl)phthalate	21.63	149	22183	1.608	ng	99
85) Di-n-octyl phthalate	22.88	149	33416	1.486	ng	# 97
86) Indeno(1,2,3-cd)pyrene	28.90	276	10615	0.473	ng	# 66
88) Benzo(b)fluoranthene	24.03	252	40661	2.072	ng	93
89) Benzo(k)fluoranthene	24.10	252	39621	2.061	ng	# 97
90) Benzo(a)pyrene	24.93	252	36908	1.979	ng	# 97
91) Dibenzo(a,h)anthracene	29.00	278	26660	1.550	ng	# 91
92) Benzo(g,h,i)perylene	30.10	276	13297	0.764	ng	95

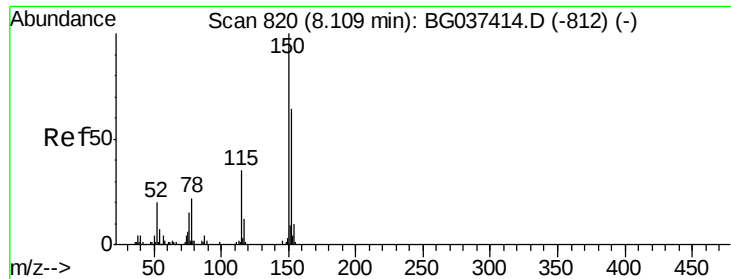
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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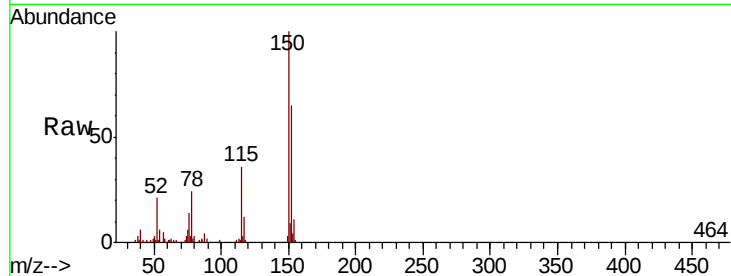


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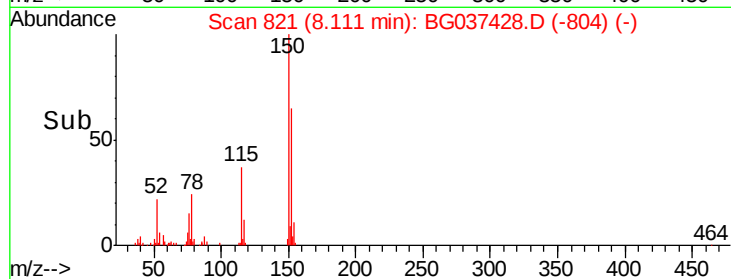
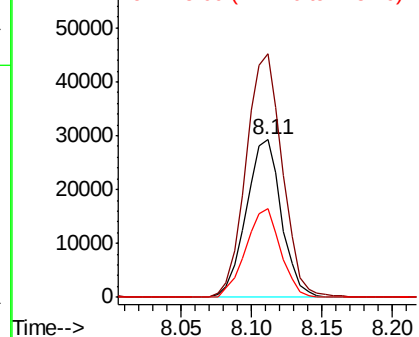
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:152 Resp: 50942
Ion Ratio Lower Upper
152 100
150 154.7 126.0 189.0
115 56.4 45.5 68.3



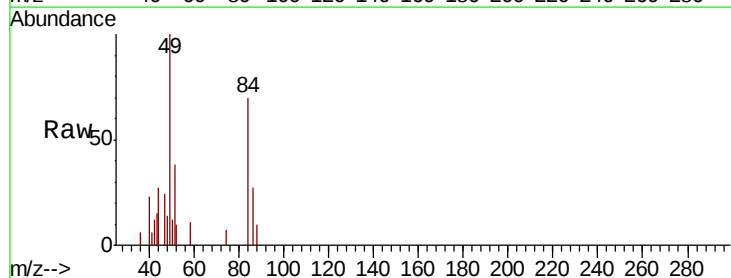
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



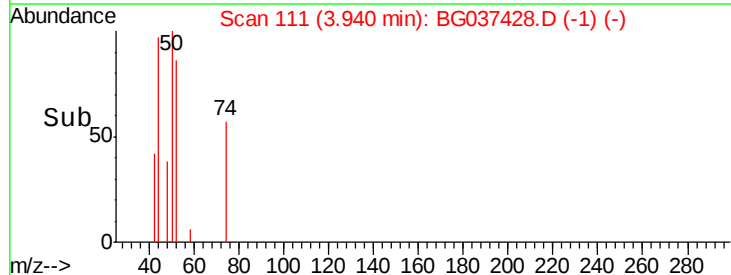
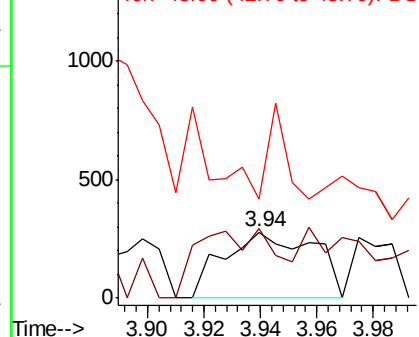
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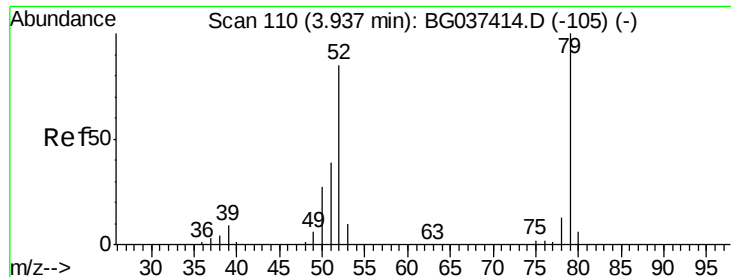
1,4-Dioxane
Concen: 0.395 ng
RT: 3.94 min Scan# 111
Delta R.T. 0.41 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion: 88 Resp: 611
Ion Ratio Lower Upper
88 100
58 91.7 74.4 111.6
43 35.2 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

Pvridine

Concen: 1.830 ng

RT: 3.96 min Scan# 114

Delta R.T. 0.02 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

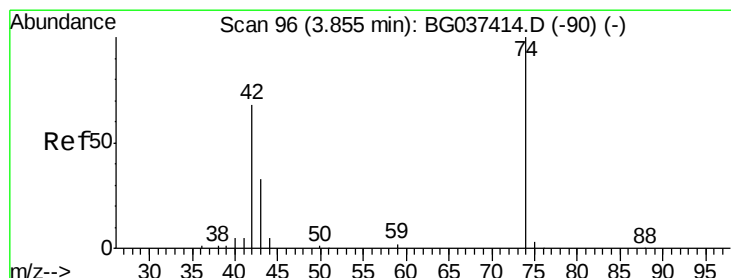
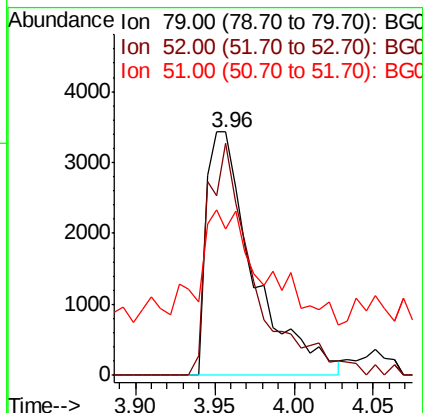
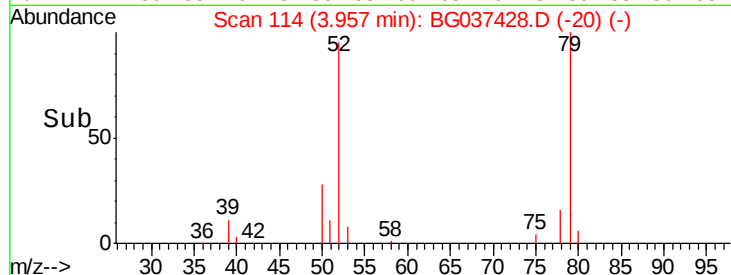
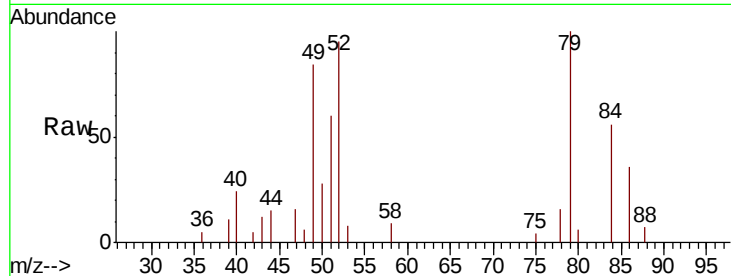
Tot Ion: 79 Resp: 7129

Ion Ratio Lower Upper

79 100

52 95.1 74.2 111.2

51 60.2 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 2.302 ng

RT: 3.87 min Scan# 99

Delta R.T. 0.01 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

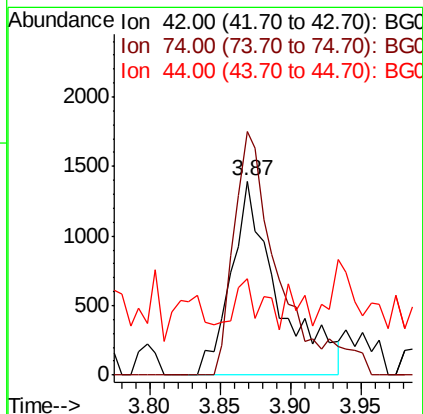
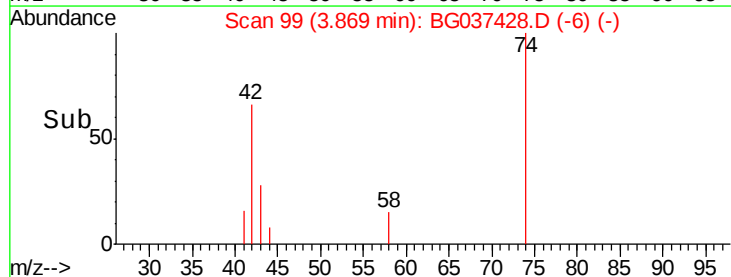
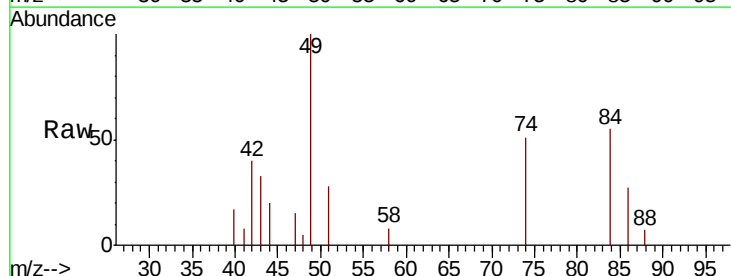
Tgt Ion: 42 Resp: 3193

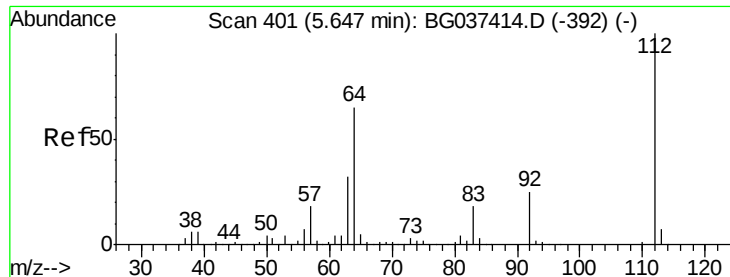
Ion Ratio Lower Upper

42 100

74 125.7 102.0 153.0

44 49.5 9.6 14.4#





#5

2-Fluorophenol

Concen: 134.947 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

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MDL-MDL-SOIL-03-QT4-2018

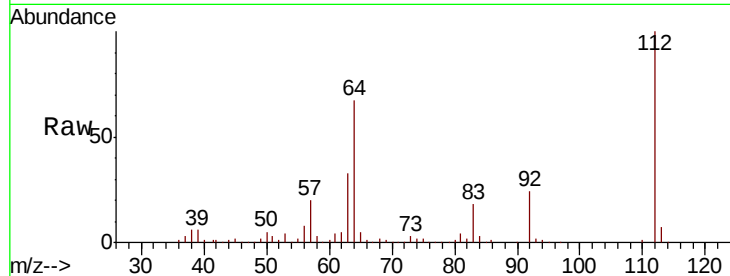
Tot Ion:112 Resp: 411188

Ion Ratio Lower Upper

112 100

64 67.3 53.1 79.7

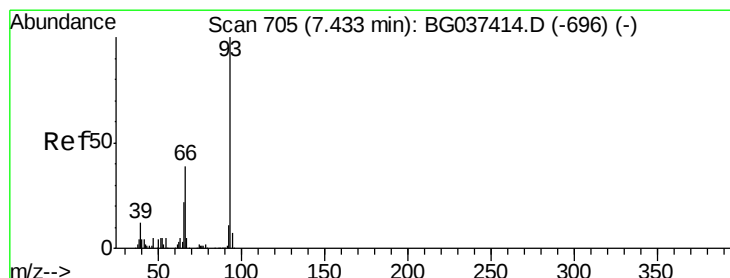
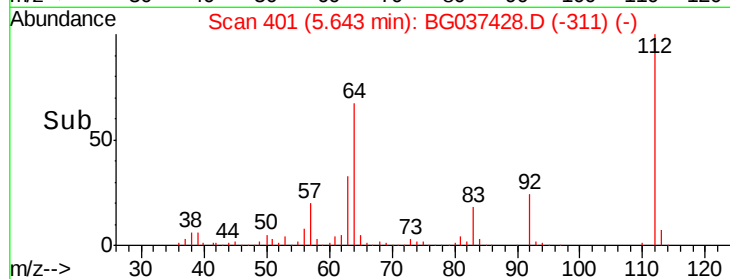
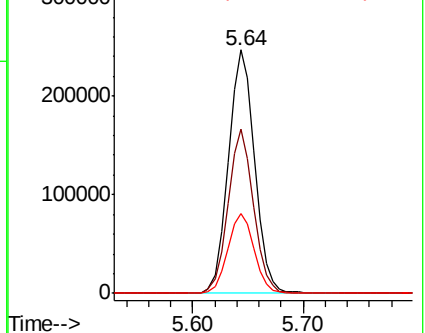
63 32.5 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 1.210 ng

RT: 7.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

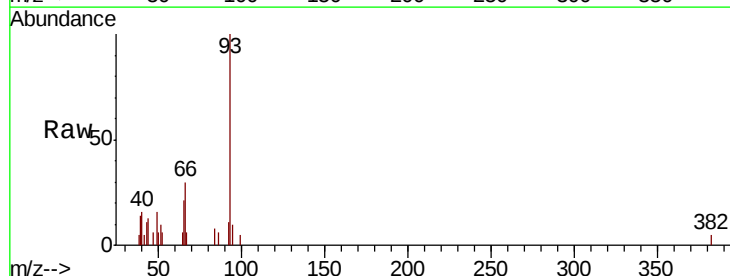
Tgt Ion: 93 Resp: 6803

Ion Ratio Lower Upper

93 100

66 30.3 32.8 49.2#

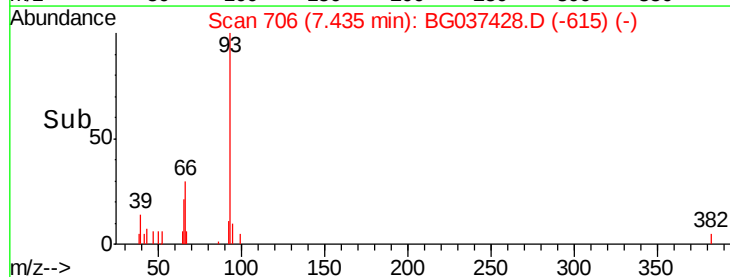
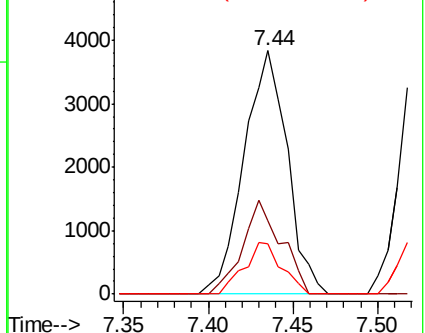
65 20.6 16.4 24.6

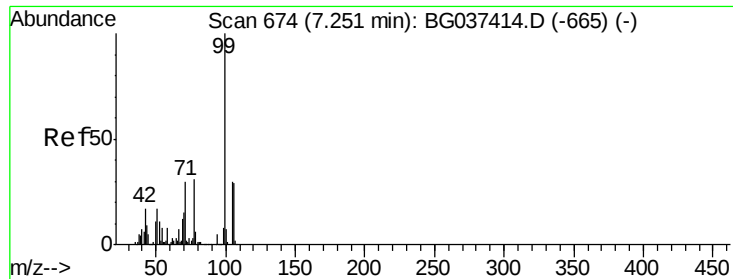


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 129.223 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

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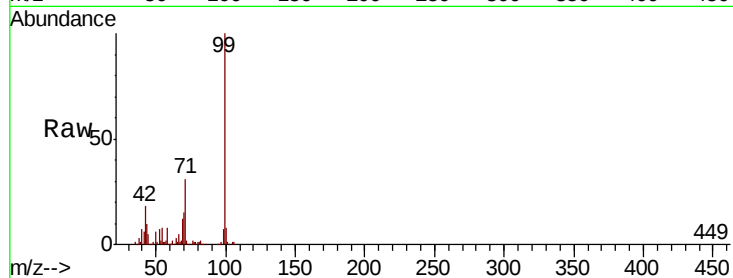
Tot Ion: 99 Resp: 595397

Ion Ratio Lower Upper

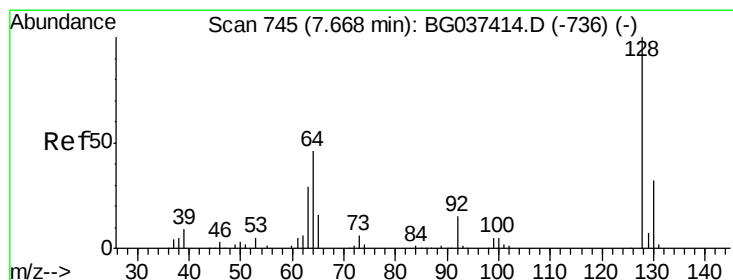
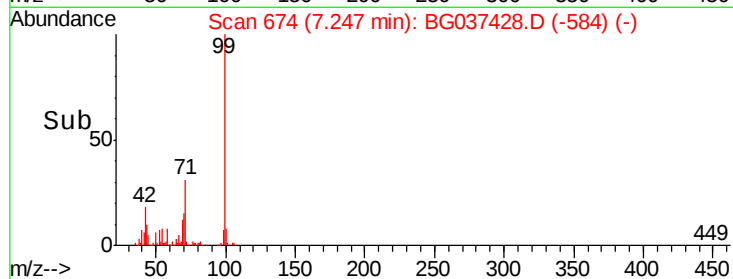
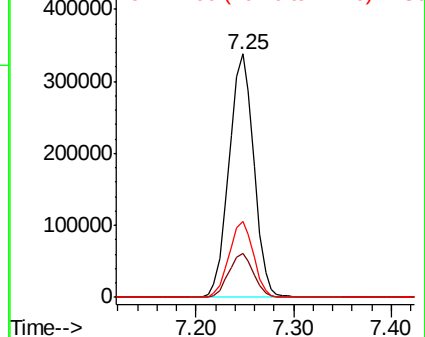
99 100

42 18.0 15.0 22.4

71 31.2 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 1.932 ng

RT: 7.66 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

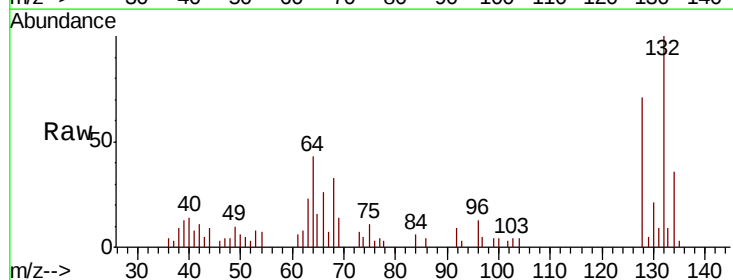
Tgt Ion: 128 Resp: 6888

Ion Ratio Lower Upper

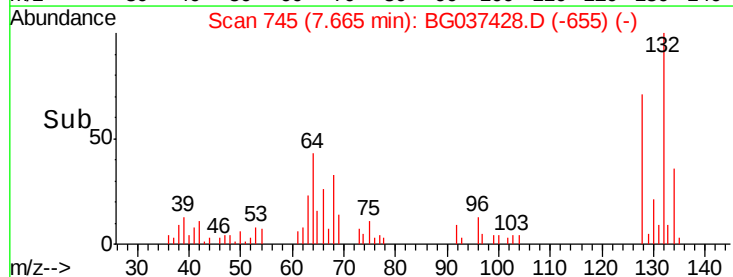
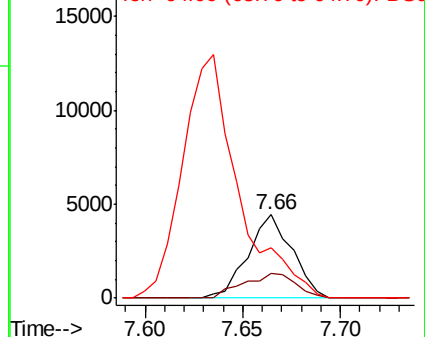
128 100

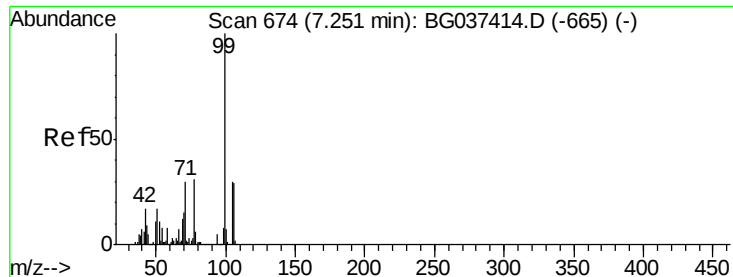
130 29.8 12.0 52.0

64 61.2 32.9 72.9



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

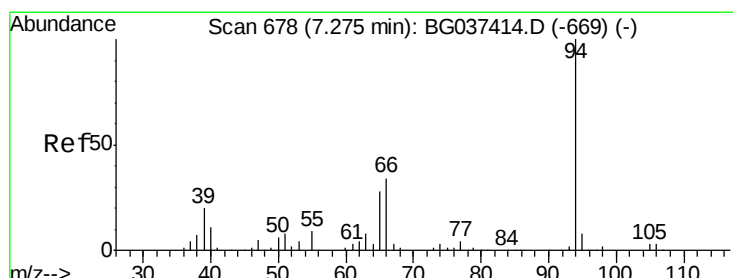
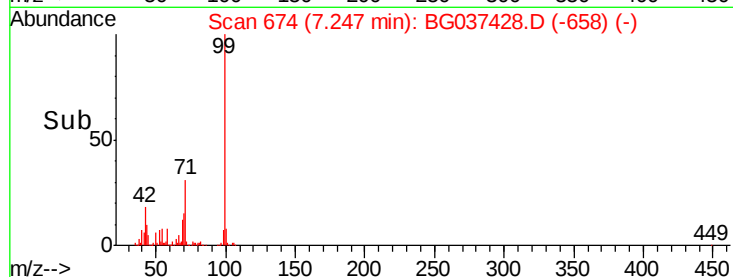
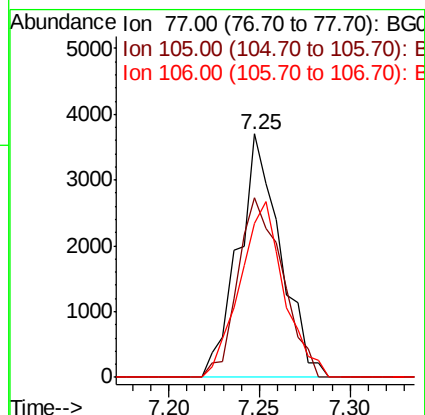
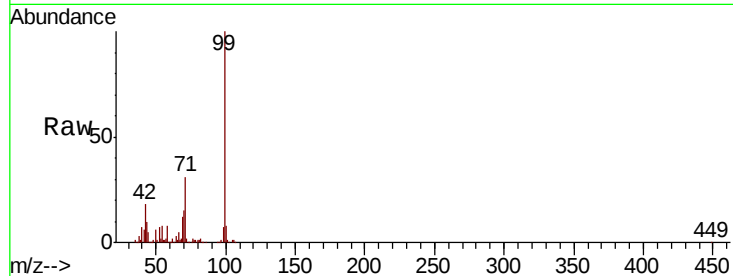




#9
Benzaldehyde
Concen: 2.053 ng
RT: 7.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

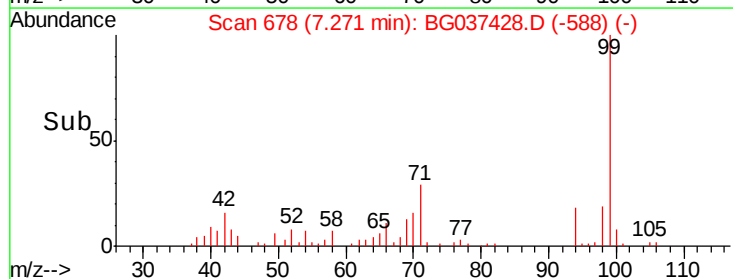
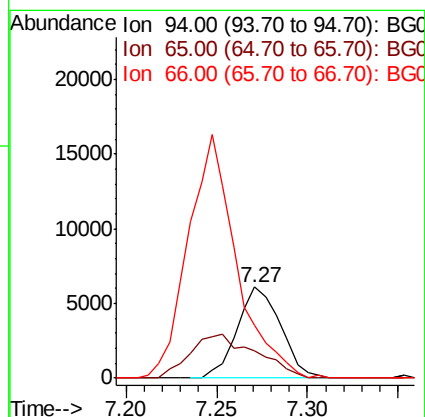
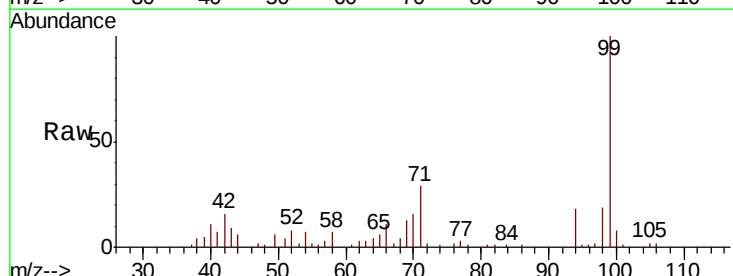
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 77 Resp: 5916
Ion Ratio Lower Upper
77 100
105 73.8 72.6 112.6
106 63.2 71.3 111.3#



#10
Phenol
Concen: 2.091 ng
RT: 7.27 min Scan# 678
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion: 94 Resp: 10163
Ion Ratio Lower Upper
94 100
65 30.5 9.7 49.7
66 58.5 15.9 55.9#

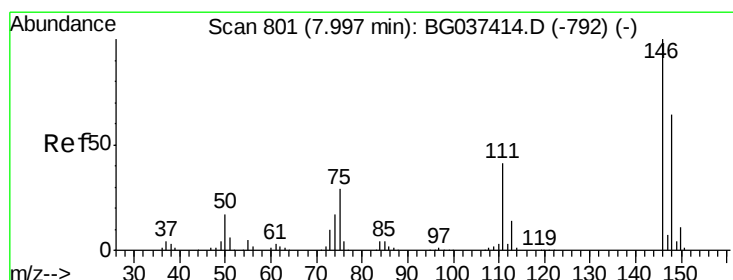
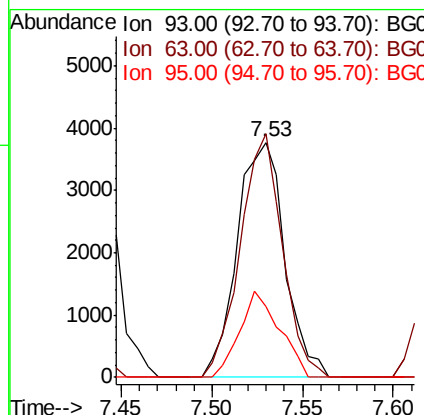
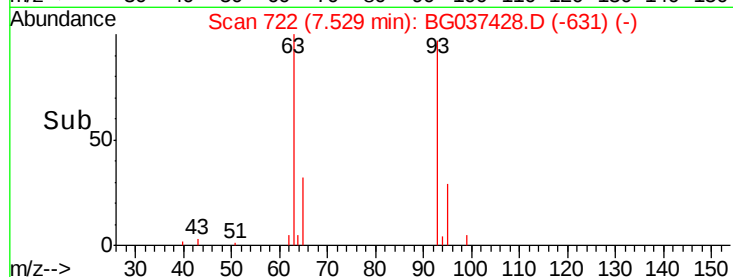
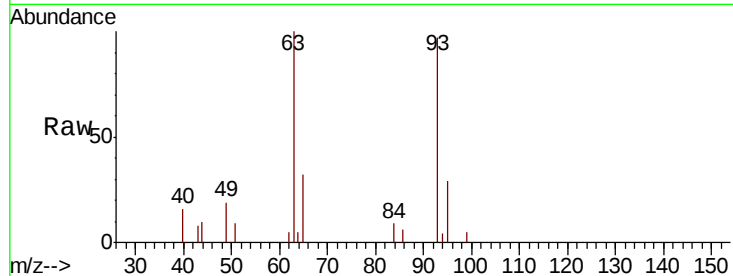




#11
bis(2-Chloroethyl)ether
Concen: 1.861 ng
RT: 7.53 min Scan# 722
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

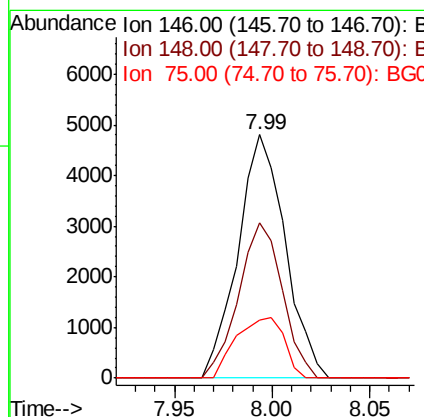
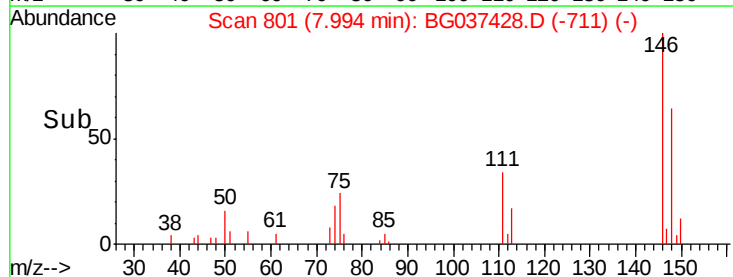
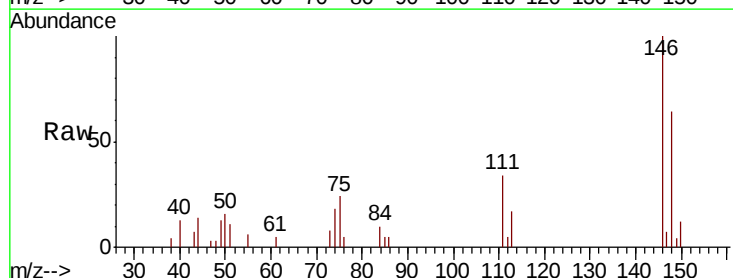
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

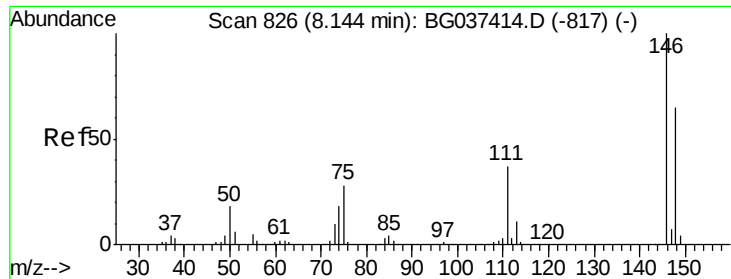
Tot Ion: 93 Resp: 6871
Ion Ratio Lower Upper
93 100
63 103.5 69.5 109.5
95 29.9 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 2.026 ng
RT: 7.99 min Scan# 801
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion: 146 Resp: 8040
Ion Ratio Lower Upper
146 100
148 63.5 49.8 74.8
75 24.1 23.2 34.8

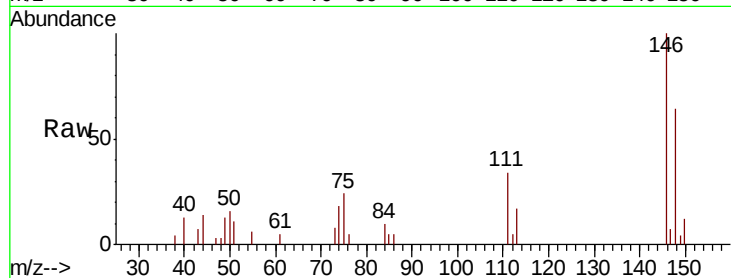




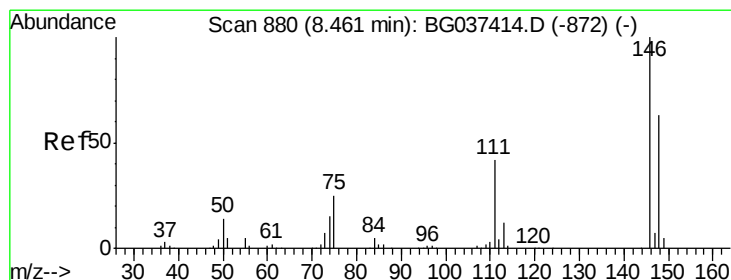
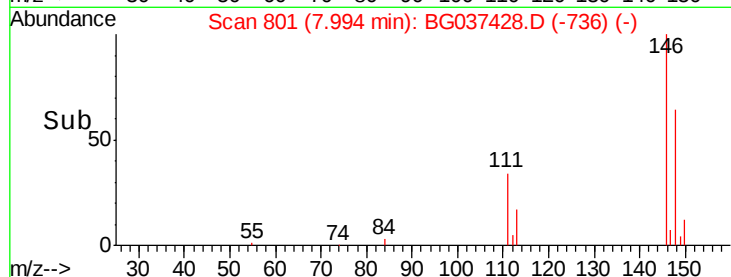
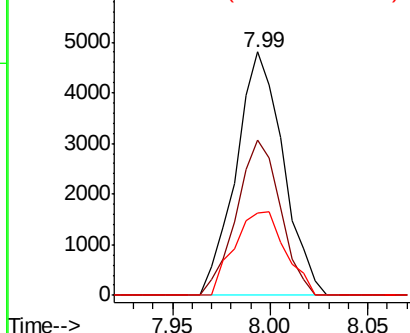
#13
 1,4-Dichlorobenzene
 Concen: 1.981 ng
 RT: 7.99 min Scan# 801
 Delta R.T. -0.15 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion:146 Resp: 8040
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.0 76.6
 111 33.8 32.4 48.6

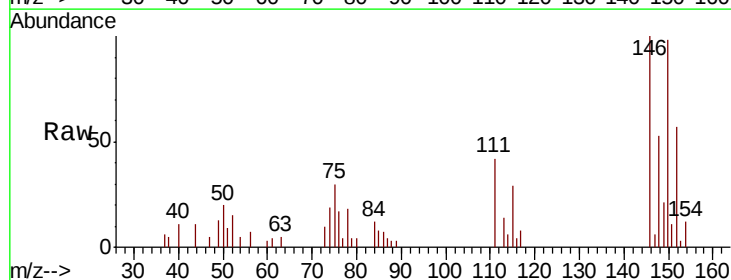


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

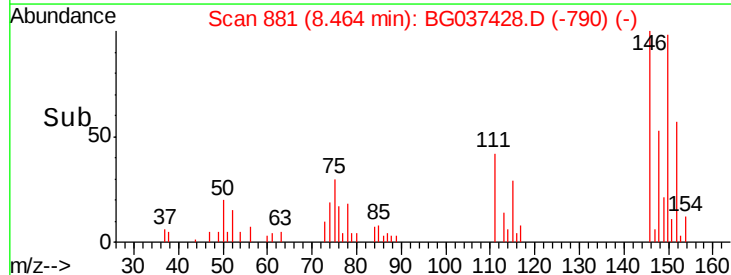
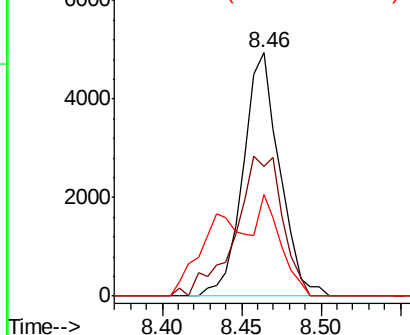


#14
 1,2-Dichlorobenzene
 Concen: 2.014 ng
 RT: 8.46 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion:146 Resp: 7864
 Ion Ratio Lower Upper
 146 100
 148 53.4 50.4 75.6
 111 41.8 34.6 51.8



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





#15

Benzyl Alcohol

Concen: 1.784 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

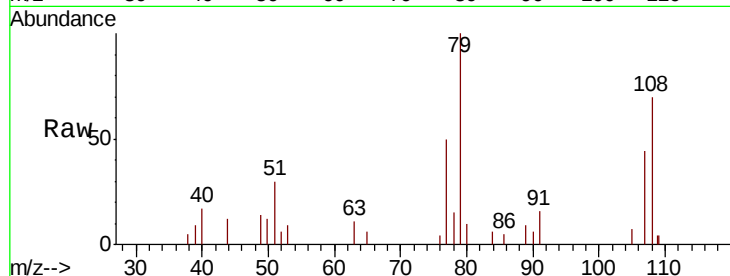
Tot Ion: 79 Resp: 6072

Ion Ratio Lower Upper

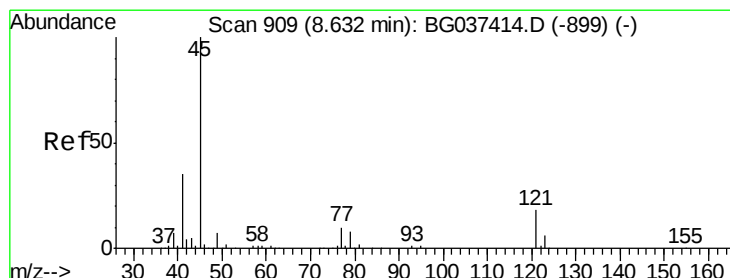
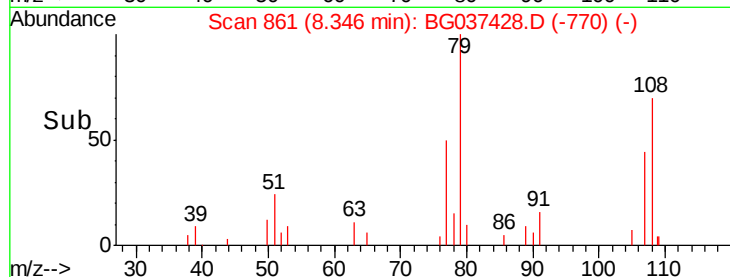
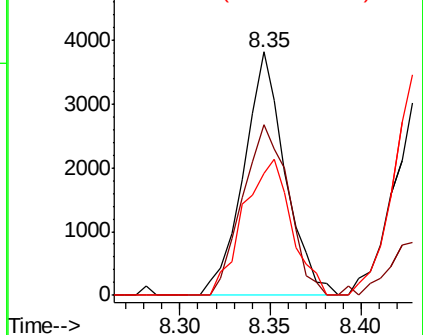
79 100

108 70.2 65.8 98.8

77 49.9 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: 1.999 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

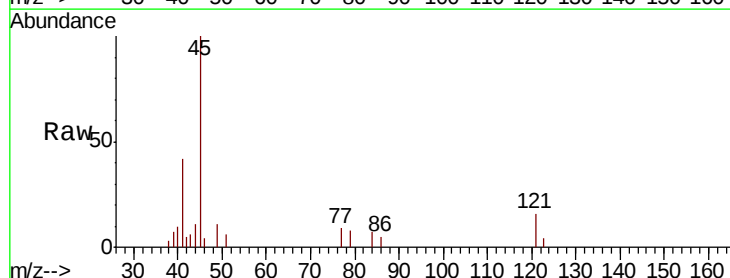
Tgt Ion: 45 Resp: 13206

Ion Ratio Lower Upper

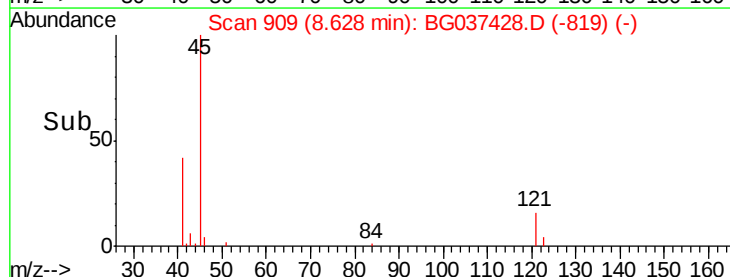
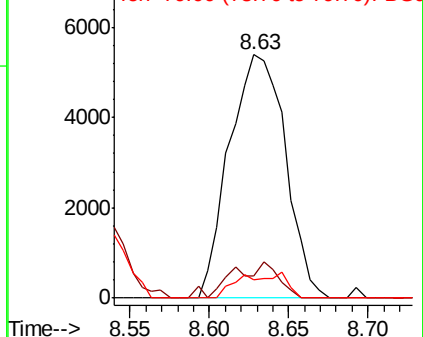
45 100

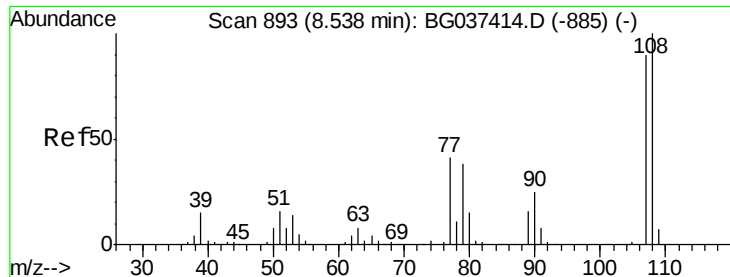
77 8.9 0.0 30.0

79 7.7 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: 1.757 ng

RT: 8.53 min Scan# 893

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:107 Resp: 5648

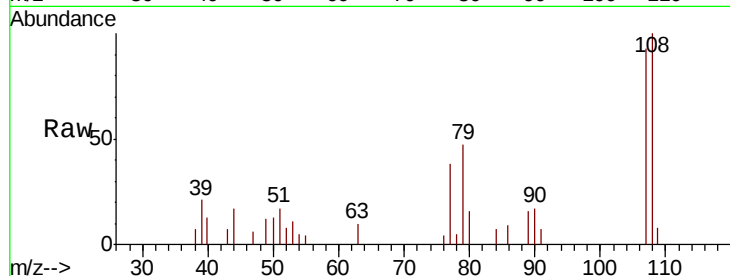
Ion Ratio Lower Upper

107 100

108 107.2 87.9 131.9

77 40.3 35.1 52.7

79 50.2 34.5 51.7

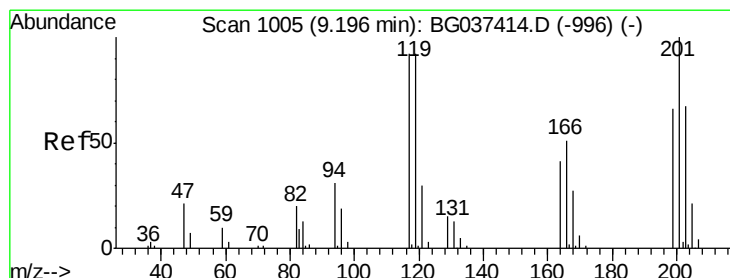
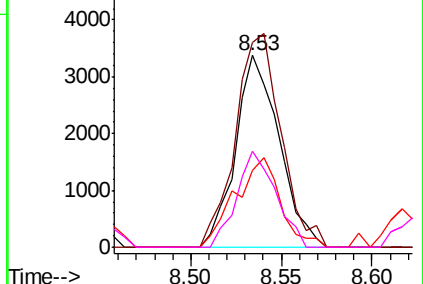
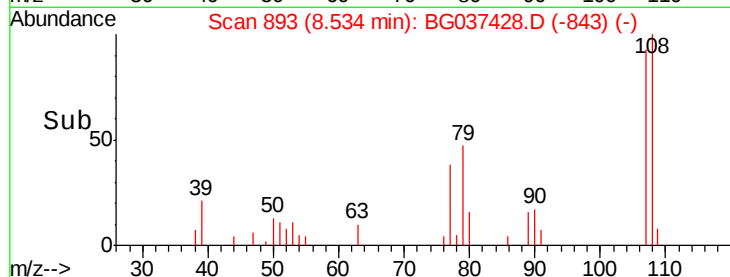


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 2.017 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

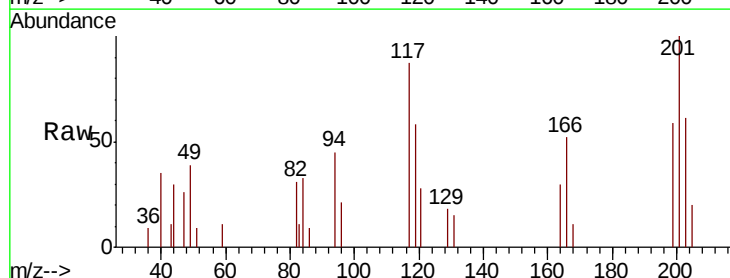
Tgt Ion:117 Resp: 2791

Ion Ratio Lower Upper

117 100

119 66.3 74.6 111.8#

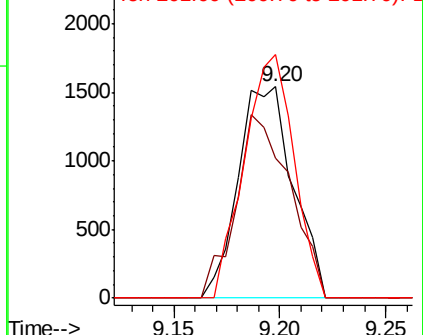
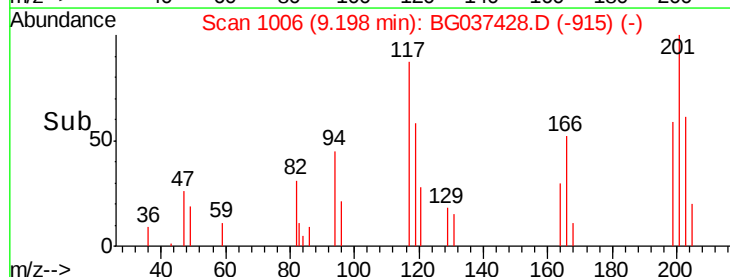
201 115.2 80.8 121.2

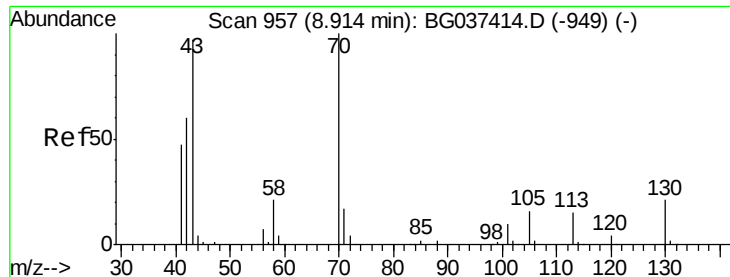


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

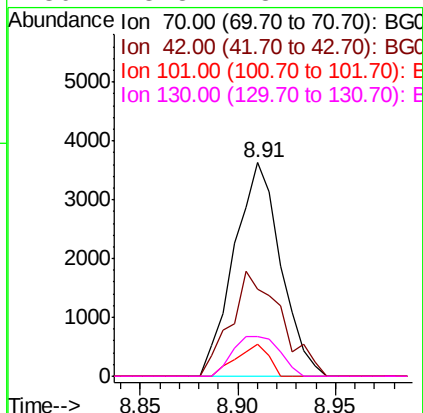
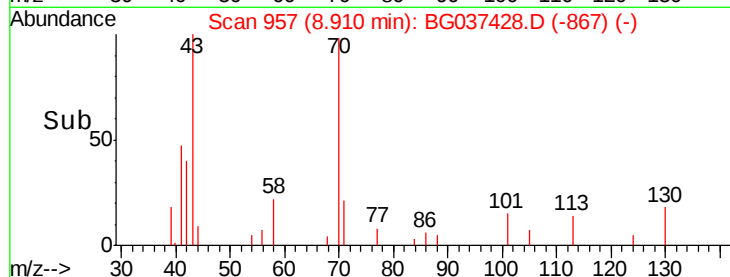
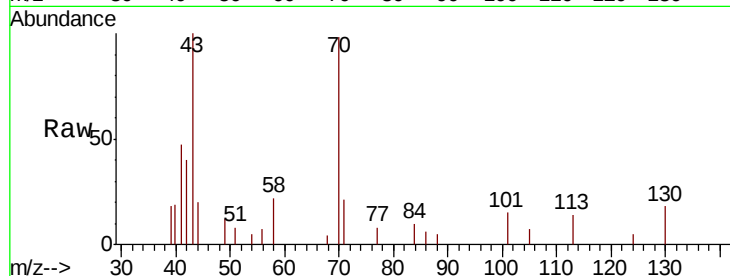




#19
n-Nitroso-di-n-propylamine
Concen: 1.896 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

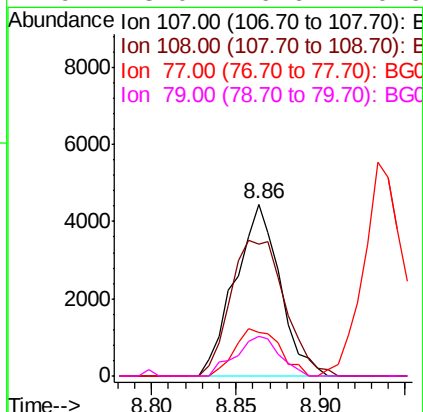
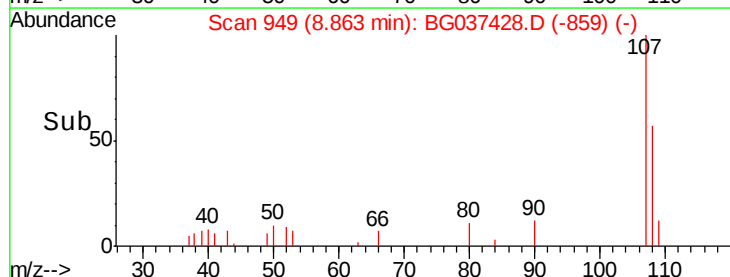
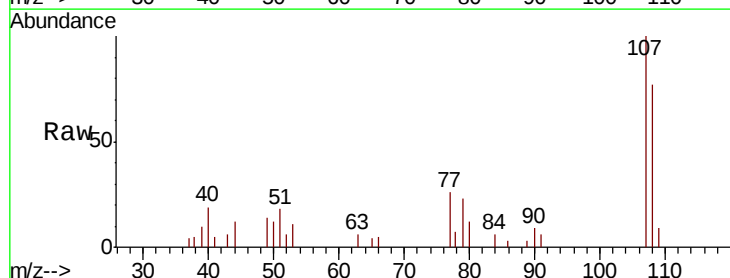
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 70 Resp: 6015
Ion Ratio Lower Upper
70 100
42 40.9 53.9 80.9#
101 15.0 8.2 12.2#
130 18.8 18.2 27.4



#20
3+4-Methylphenols
Concen: 1.793 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion: 107 Resp: 8237
Ion Ratio Lower Upper
107 100
108 76.8 69.9 109.9
77 25.7 11.2 51.2
79 23.0 6.6 46.6

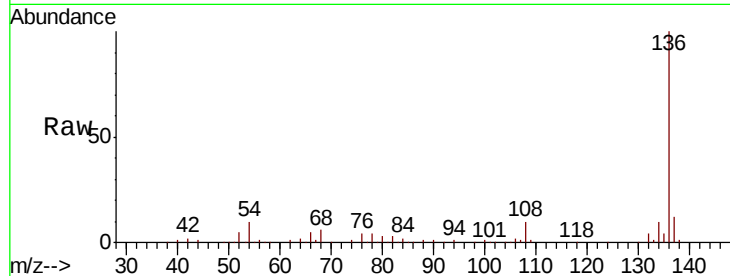




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:136	Resp:	231202
Ion	Ratio	Lower Upper
136	100	
137	11.9	9.6 14.4
54	10.3	7.9 11.9
68	6.0	4.8 7.2



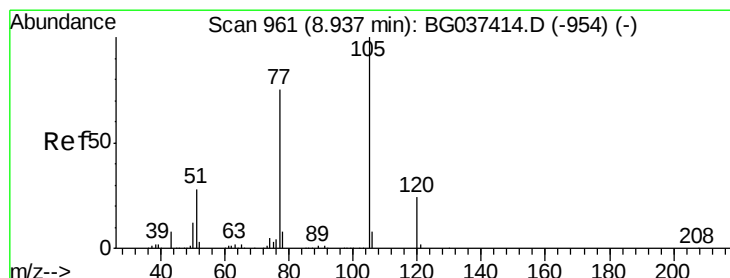
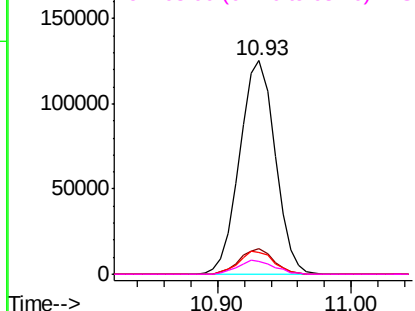
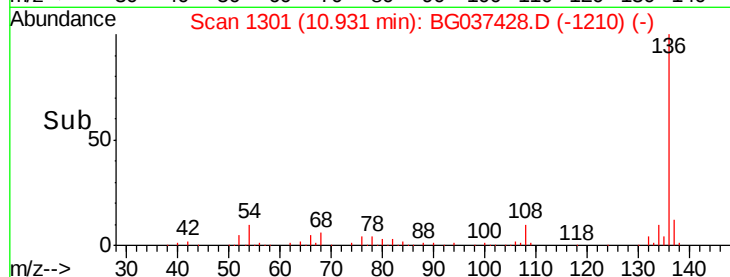
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

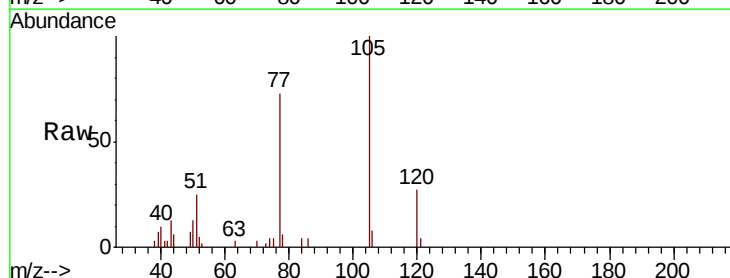
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 2.042 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:105	Resp:	11841
Ion	Ratio	Lower Upper
105	100	
71	0.0	1.2 1.8#
51	25.3	25.0 37.6
120	26.9	18.6 28.0



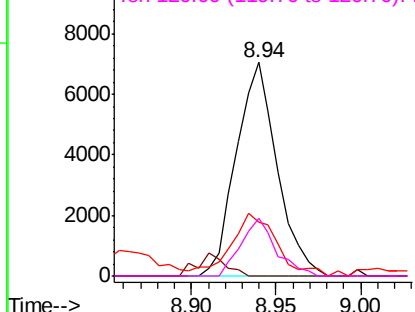
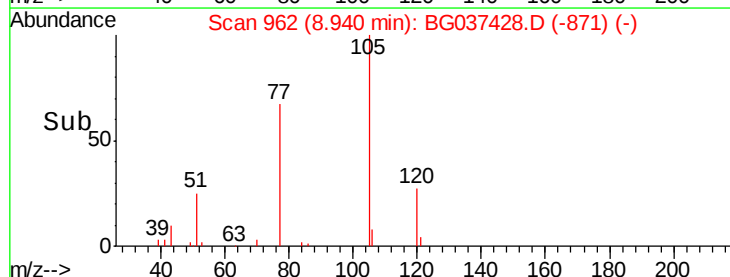
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

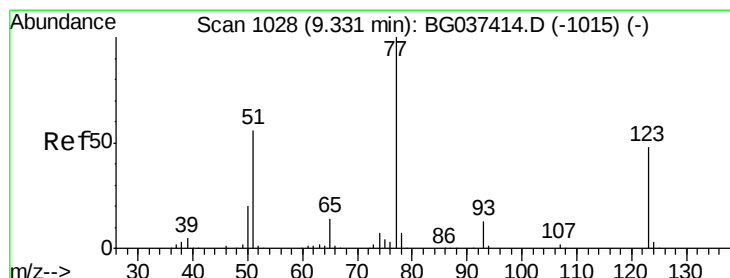
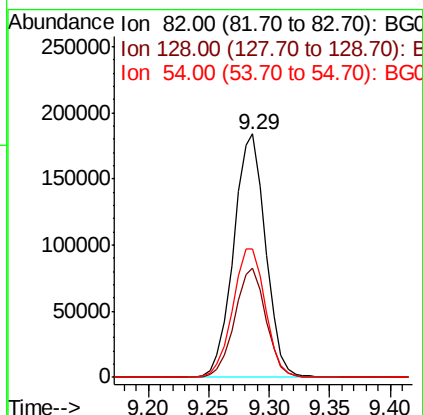
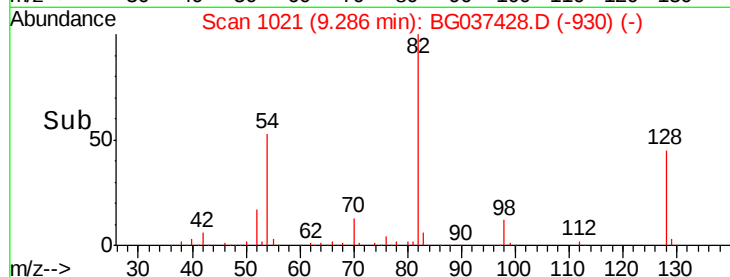
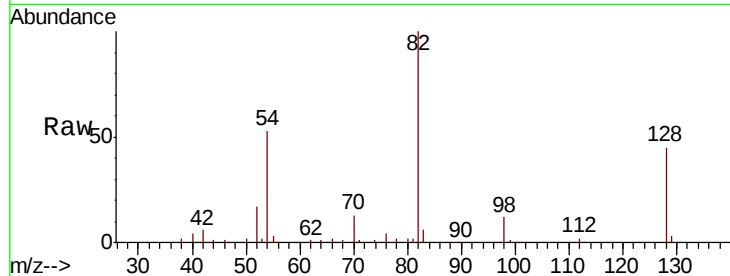




#23
 Nitrobenzene-d5
 Concen: 82.118 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

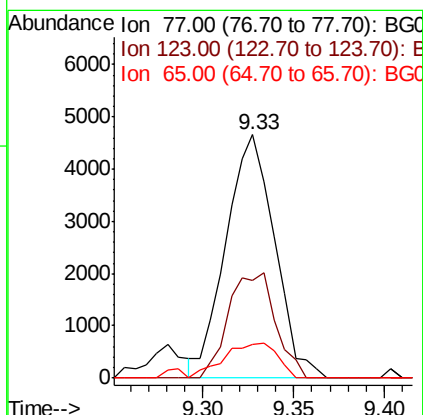
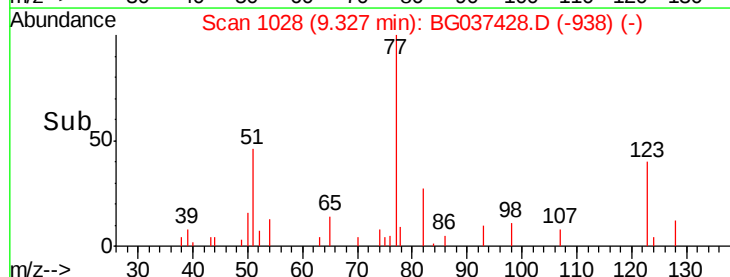
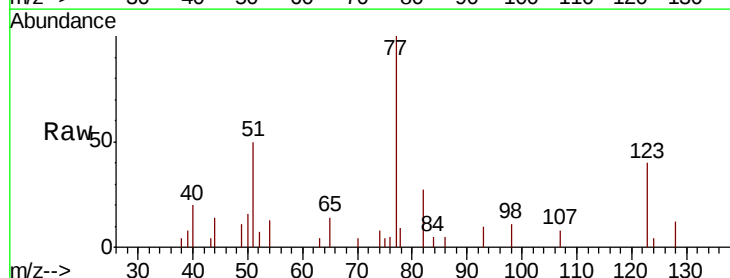
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

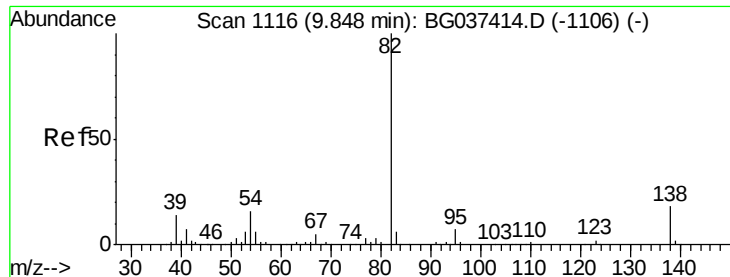
Tot Ion: 82 Resp: 338920
 Ion Ratio Lower Upper
 82 100
 128 44.9 34.6 51.8
 54 52.5 45.3 67.9



#24
 Nitrobenzene
 Concen: 2.024 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion: 77 Resp: 8676
 Ion Ratio Lower Upper
 77 100
 123 39.9 33.6 50.4
 65 13.7 11.3 16.9





#25

Isophorone

Concen: 2.082 ng

RT: 9.84 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

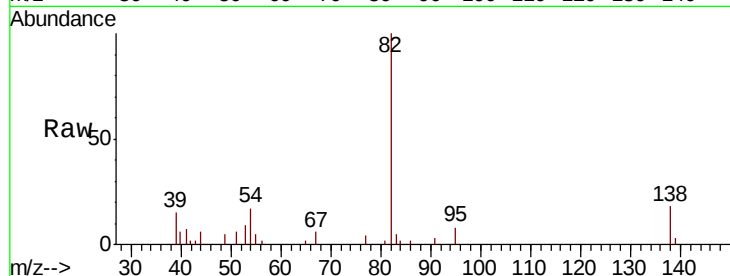
Tot Ion: 82 Resp: 15698

Ion Ratio Lower Upper

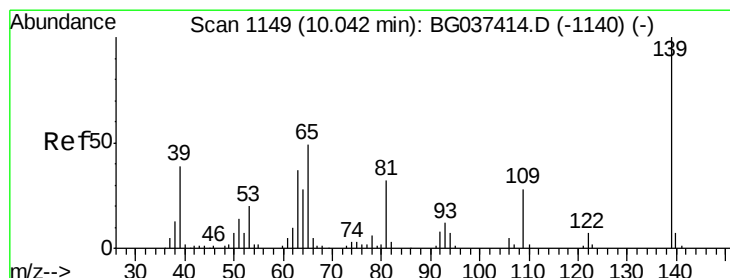
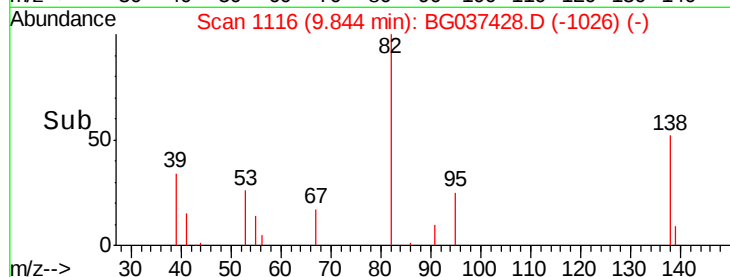
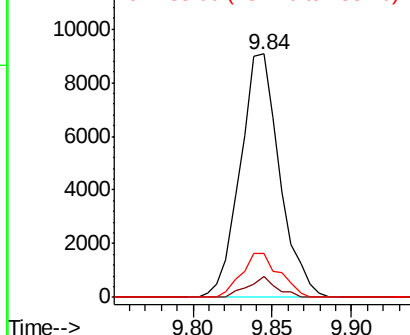
82 100

95 8.5 5.3 7.9#

138 17.9 13.3 19.9



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



#26

2-Nitrophenol

Concen: 1.611 ng

RT: 10.04 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

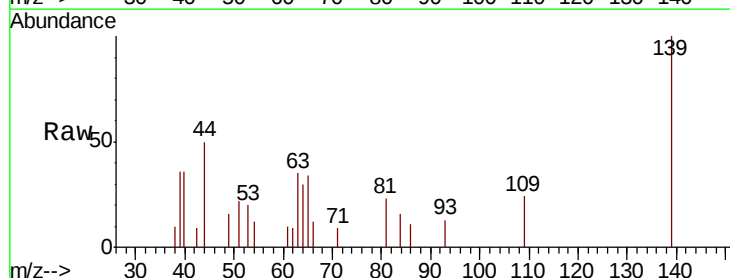
Tgt Ion: 139 Resp: 3112

Ion Ratio Lower Upper

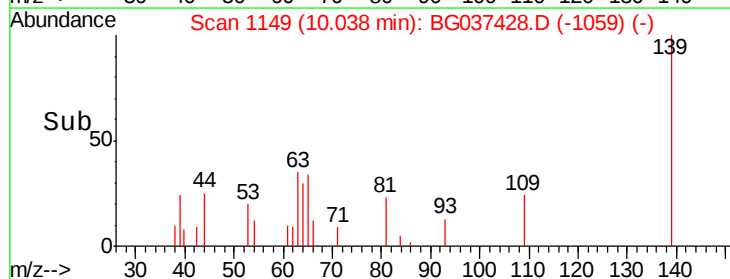
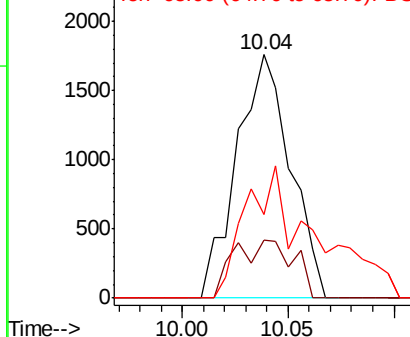
139 100

109 24.0 23.3 34.9

65 34.2 39.8 59.8#



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

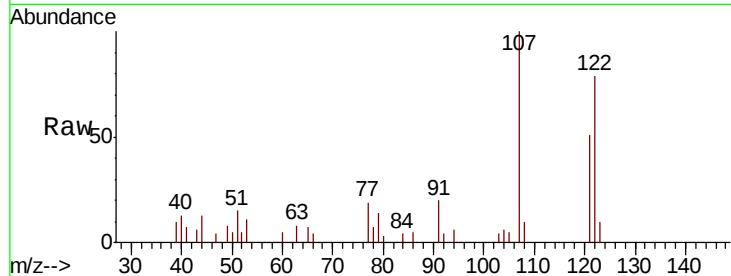




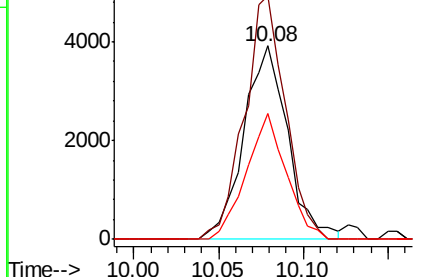
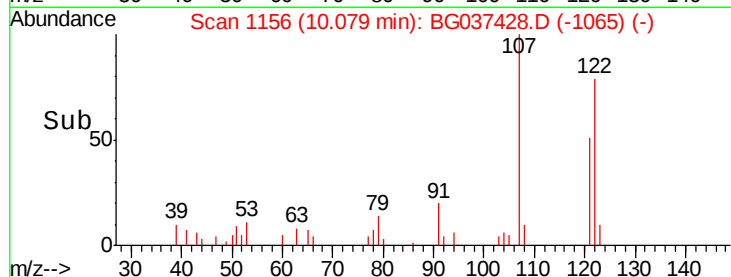
#27
 2,4-Dimethylphenol
 Concen: 2.056 ng
 RT: 10.08 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 122 Resp: 7090
 Ion Ratio Lower Upper
 122 100
 107 125.8 94.2 141.2
 121 64.8 47.3 70.9

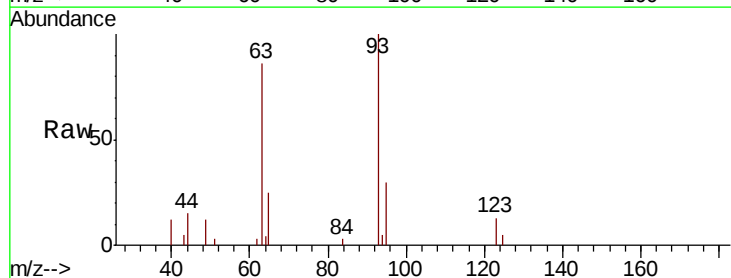


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

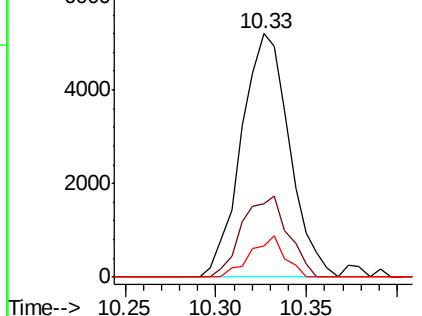
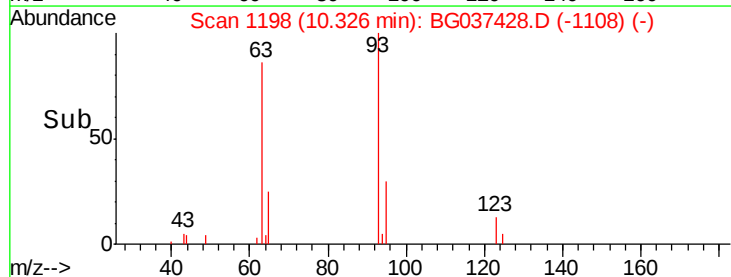


#28
 bis(2-Chloroethoxy)methane
 Concen: 1.942 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion: 93 Resp: 9594
 Ion Ratio Lower Upper
 93 100
 95 30.0 24.6 37.0
 123 12.8 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

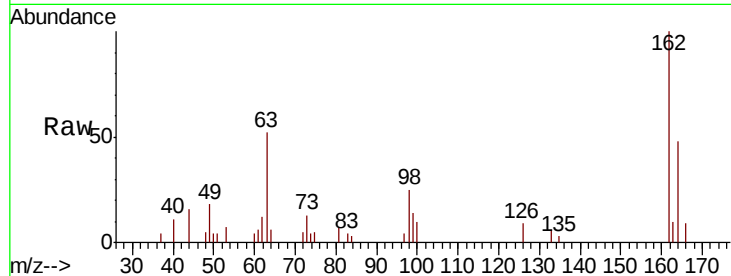




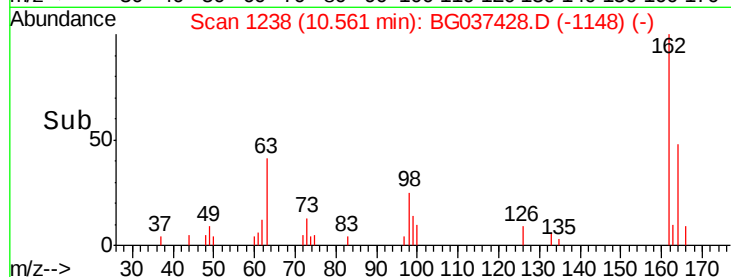
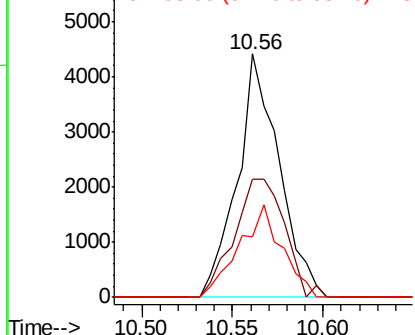
#29
2,4-Dichlorophenol
Concen: 1.842 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:162 Resp: 7074
Ion Ratio Lower Upper
162 100
164 48.3 43.2 83.2
98 25.1 16.0 56.0

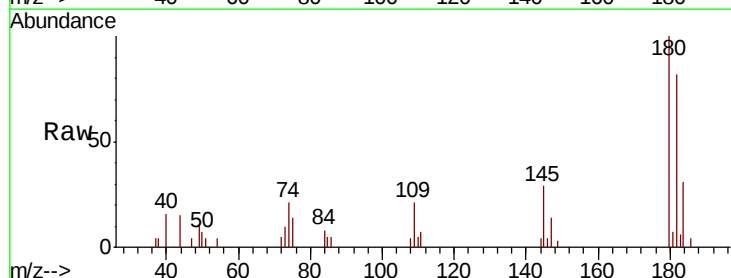


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

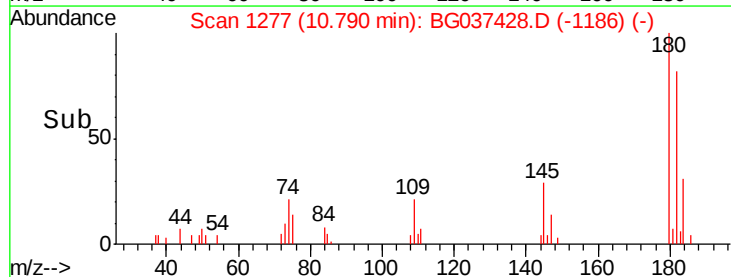
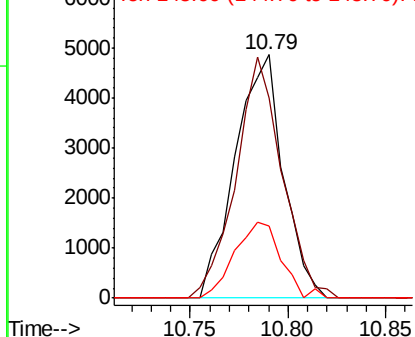


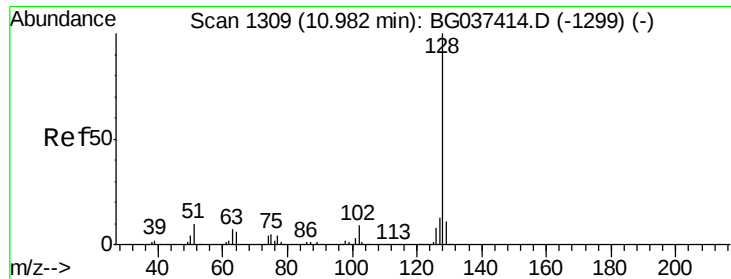
#30
1,2,4-Trichlorobenzene
Concen: 1.982 ng
RT: 10.79 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:180 Resp: 8276
Ion Ratio Lower Upper
180 100
182 82.2 77.7 116.5
145 29.4 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

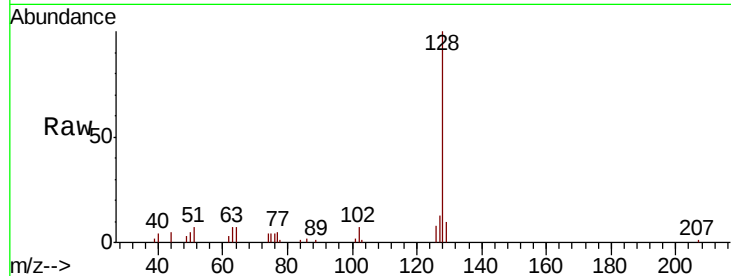




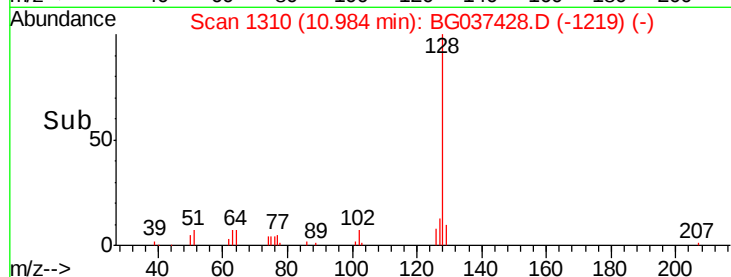
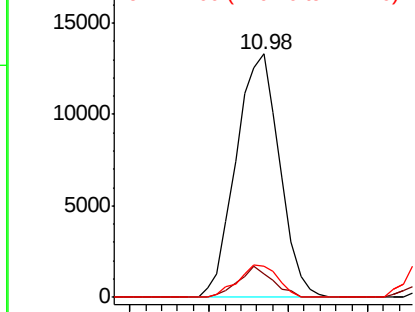
#31
Naphthalene
Concen: 2.230 ng
RT: 10.98 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	9.0	13.6
127	12.8	11.1	16.7

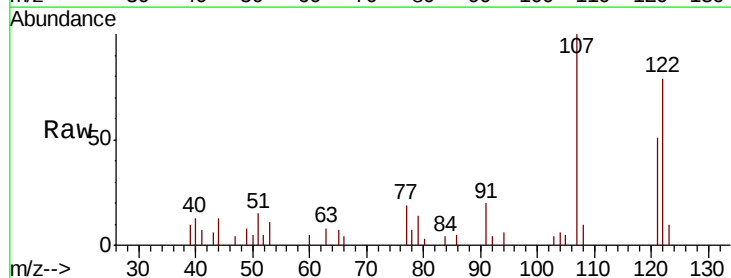


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

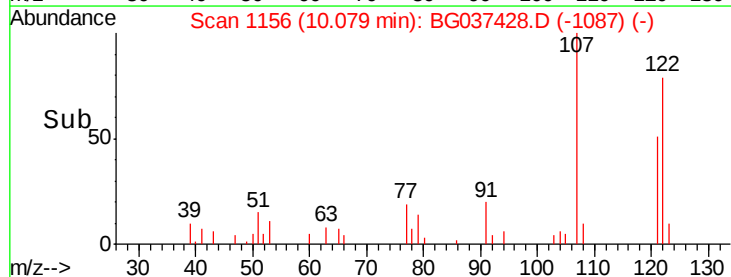
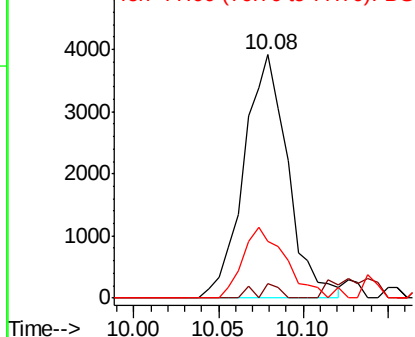


#32
Benzoic acid
Concen: 3.165 ng
RT: 10.08 min Scan# 1156
Delta R.T. -0.13 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
122	100		
105	6.1	106.7	146.7#
77	23.3	72.2	112.2#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

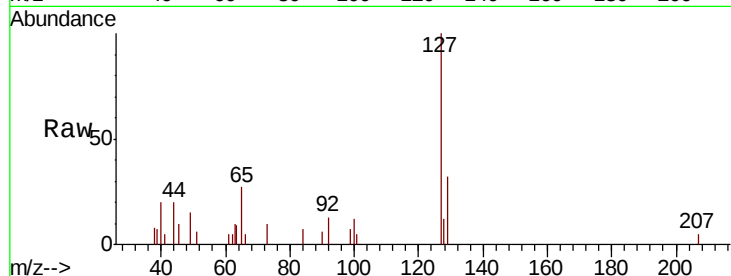




#33
4-Chloroaniline
Concen: 1.113 ng
RT: 11.10 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ion	Ratio	Lower	Upper
127	100			
129	31.7	27.1	40.7	
65	27.4	26.6	39.8	
92	13.2	16.4	24.6	



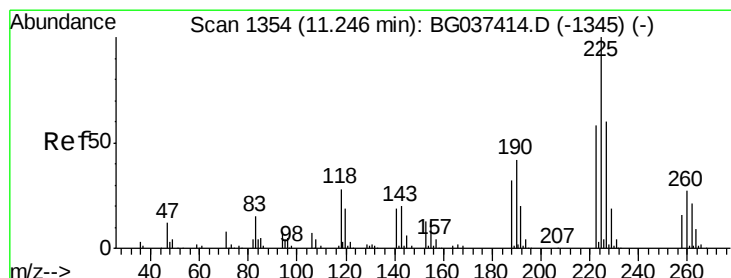
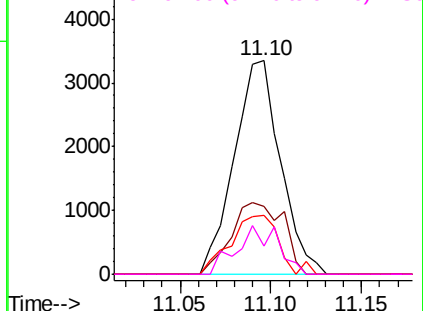
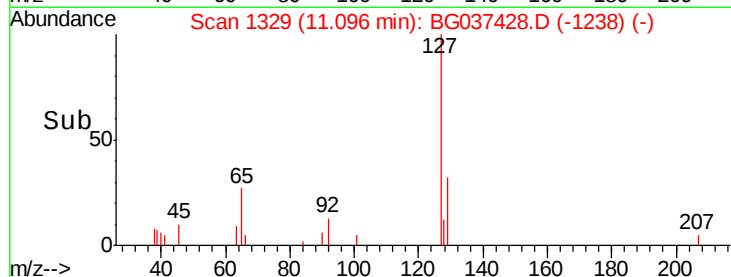
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

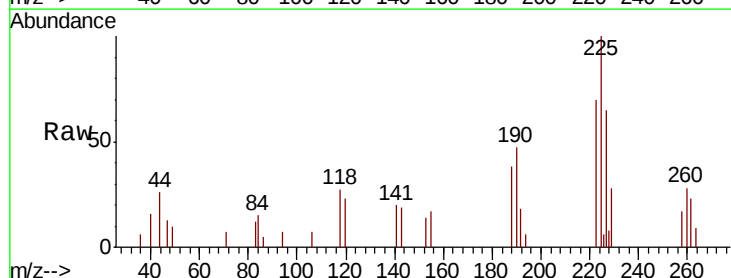
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 1.922 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ion	Ratio	Lower	Upper
225	100			
223	65.8	48.2	72.4	
227	69.2	51.6	77.4	

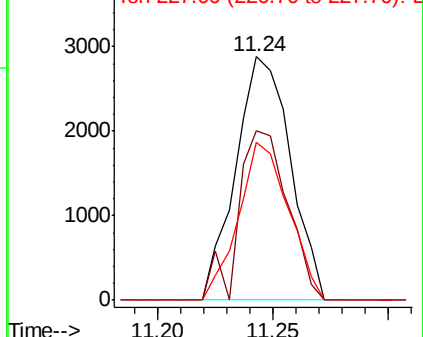
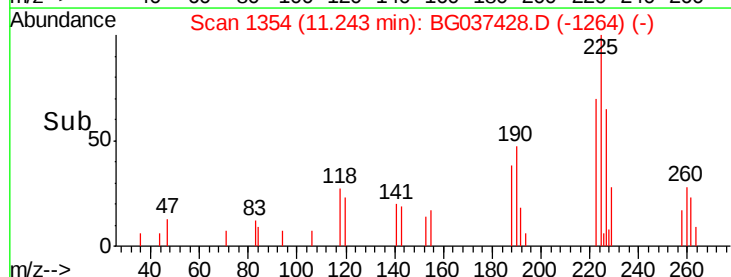


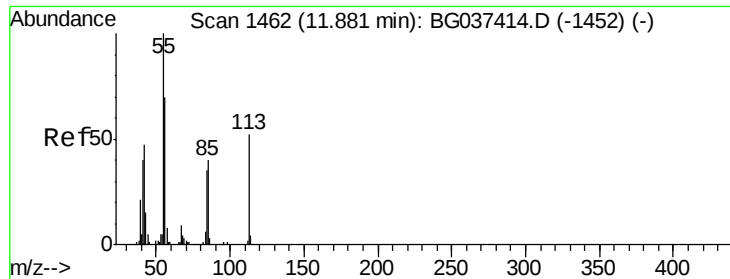
Abundance

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: 1.231 ng

RT: 11.85 min Scan# 1458

Delta R.T. -0.03 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

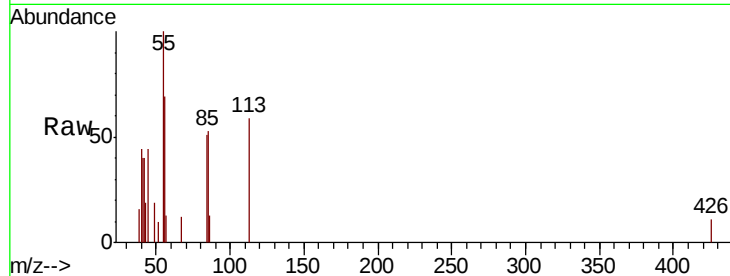
Tot Ion:113 Resp: 1895

Ion Ratio Lower Upper

113 100

55 168.1 176.6 216.6#

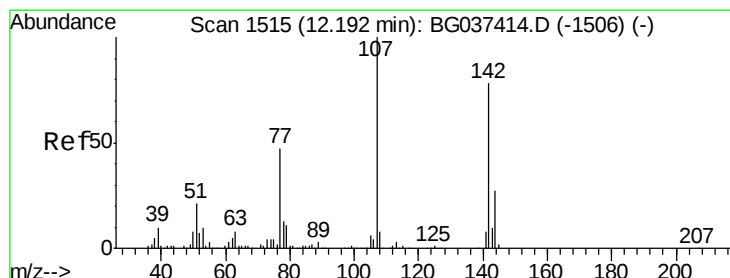
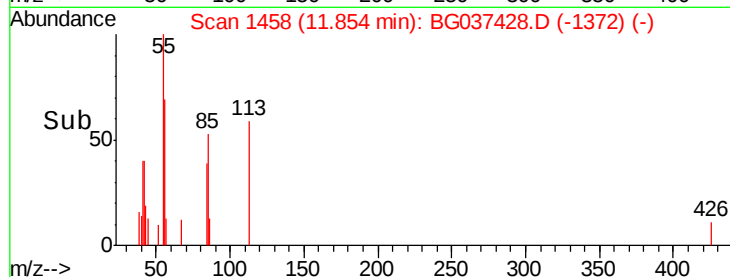
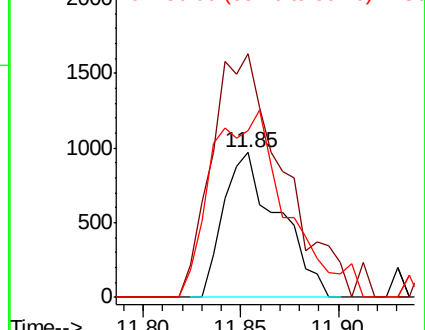
56 115.3 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 1.737 ng

RT: 12.19 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

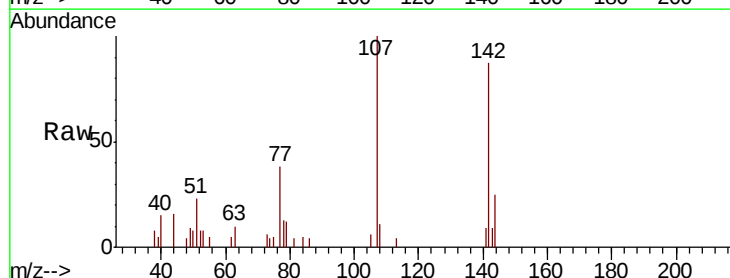
Tgt Ion:107 Resp: 7521

Ion Ratio Lower Upper

107 100

144 25.1 20.7 31.1

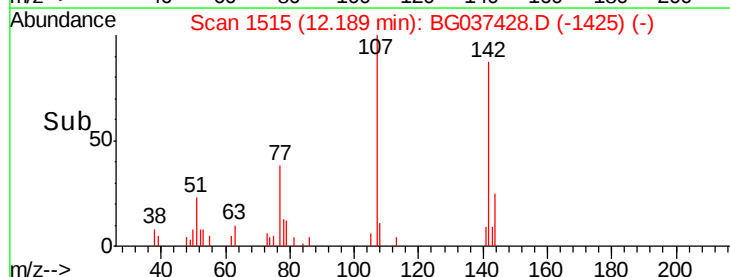
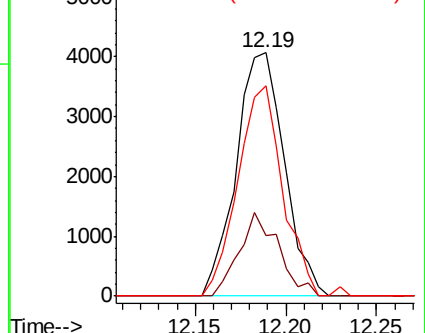
142 86.6 64.4 96.6



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

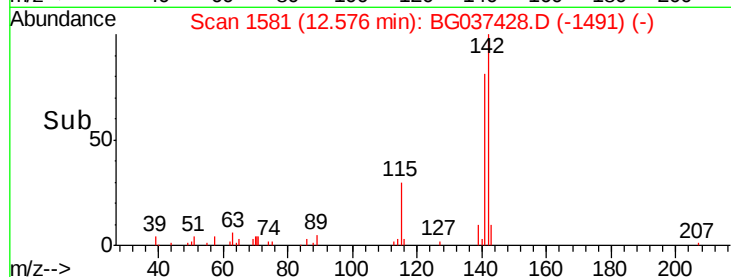
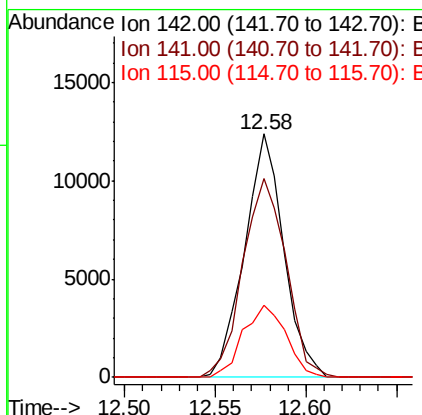
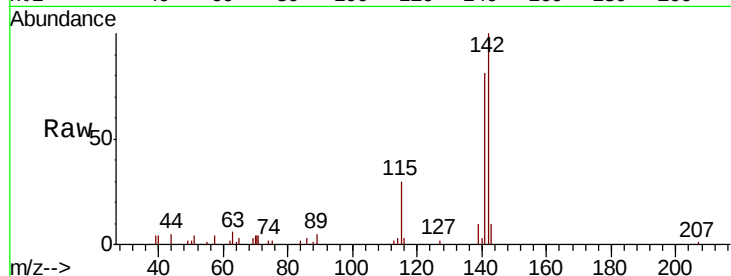




#37
2-Methylnaphthalene
Concen: 2.260 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

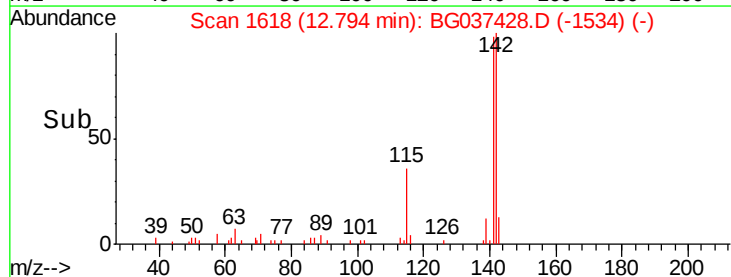
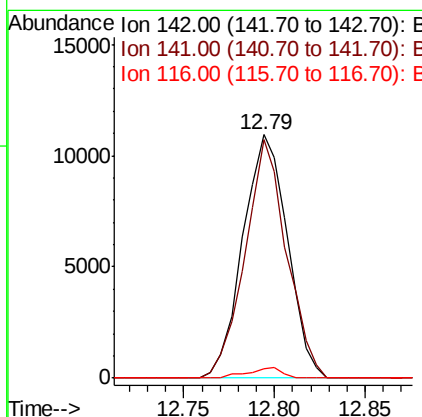
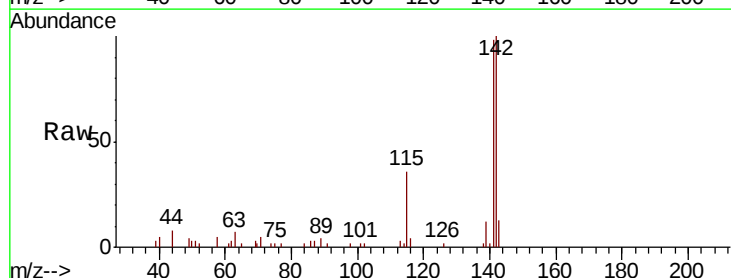
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

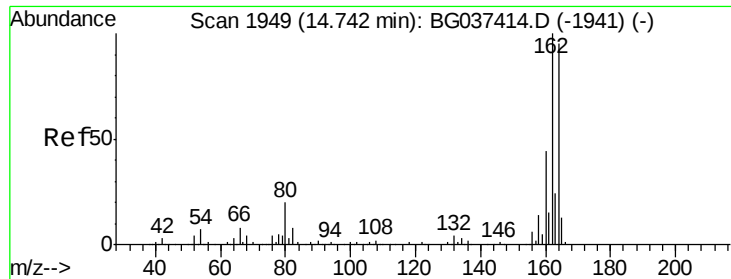
Tot Ion:142 Resp: 18712
Ion Ratio Lower Upper
142 100
141 81.4 71.9 107.9
115 29.9 27.8 41.8



#38
1-Methylnaphthalene
Concen: 2.318 ng
RT: 12.79 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:142 Resp: 18637
Ion Ratio Lower Upper
142 100
141 97.9 75.2 112.8
116 3.7 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

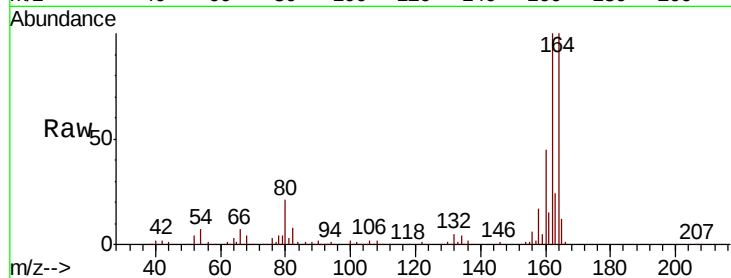
Tot Ion:164 Resp: 158012

Ion Ratio Lower Upper

164 100

162 100.2 81.3 121.9

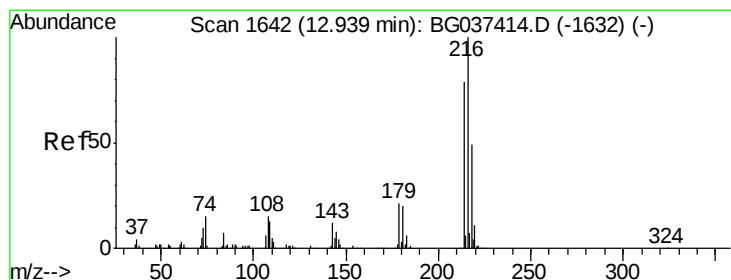
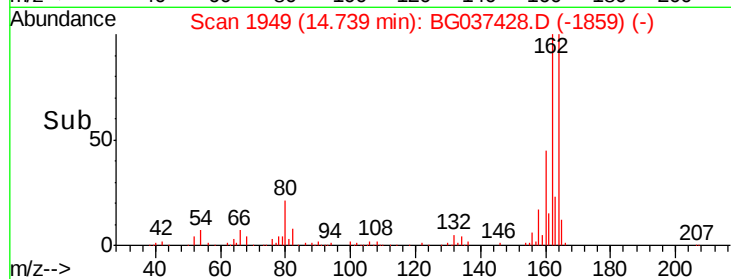
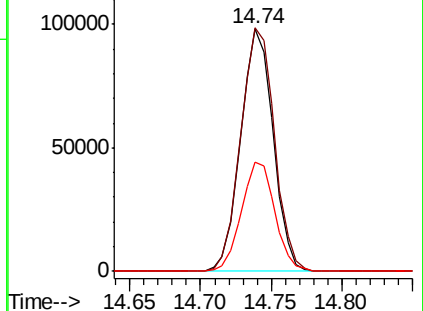
160 44.7 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 1.997 ng

RT: 12.93 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion:216 Resp: 10176

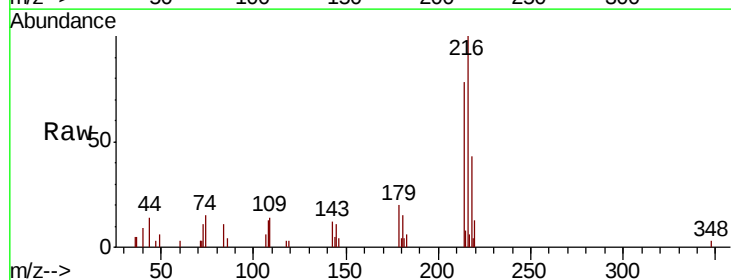
Ion Ratio Lower Upper

216 100

214 76.1 63.8 95.6

179 18.0 17.4 26.0

108 15.3 13.9 20.9

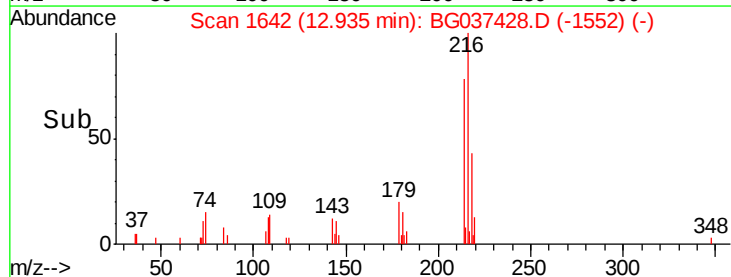
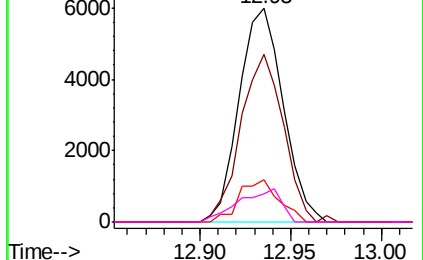


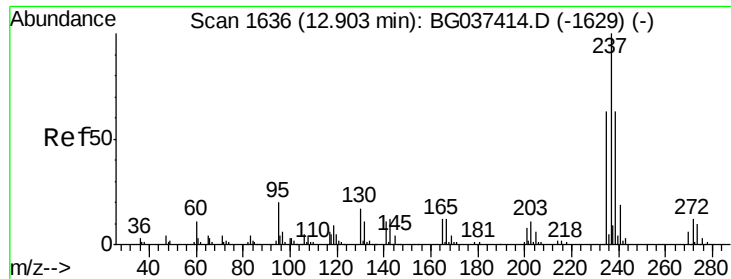
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 1.692 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

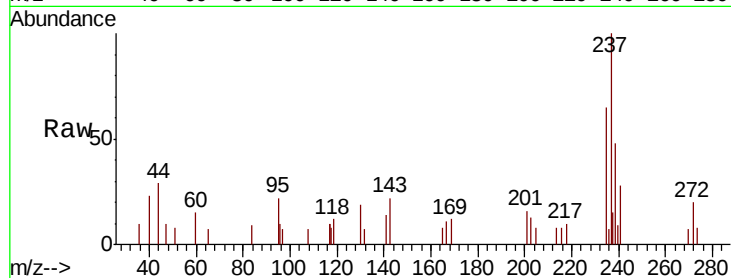
Tot Ion:237 Resp: 4120

Ion Ratio Lower Upper

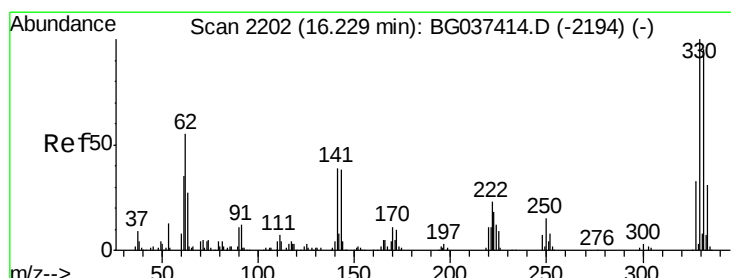
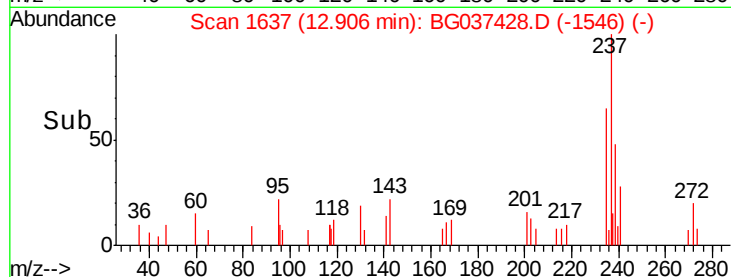
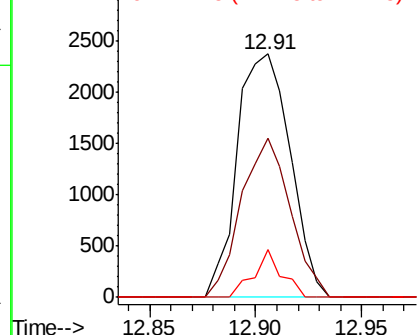
237 100

235 65.3 42.5 82.5

272 19.9 0.0 31.6



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 135.666 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

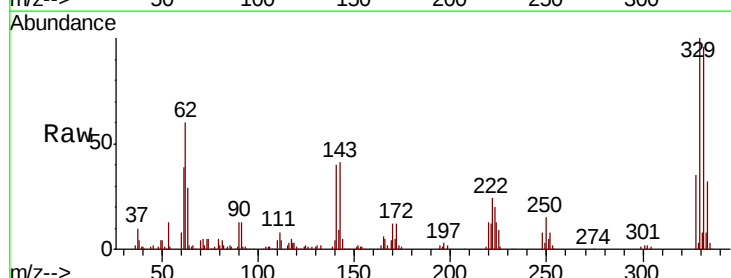
Tgt Ion:330 Resp: 233809

Ion Ratio Lower Upper

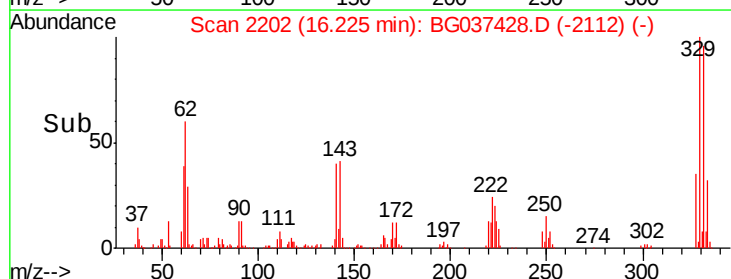
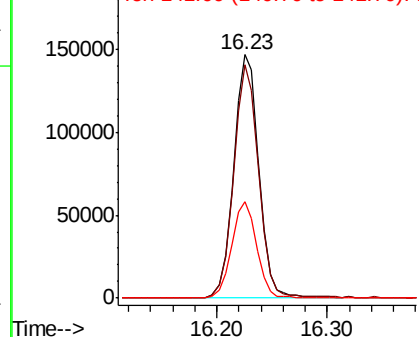
330 100

332 95.3 78.4 117.6

141 39.2 32.2 48.2



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

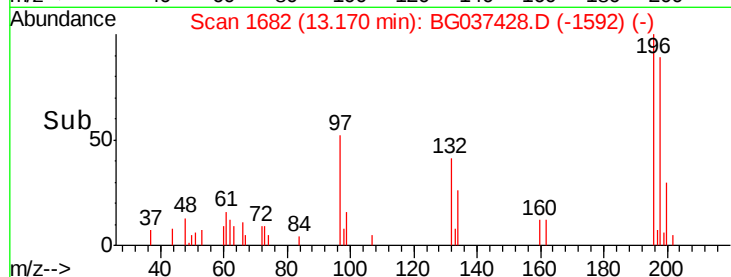
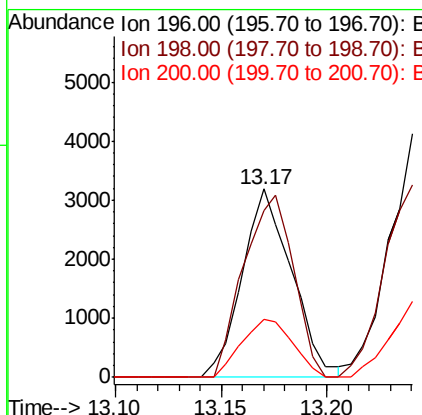
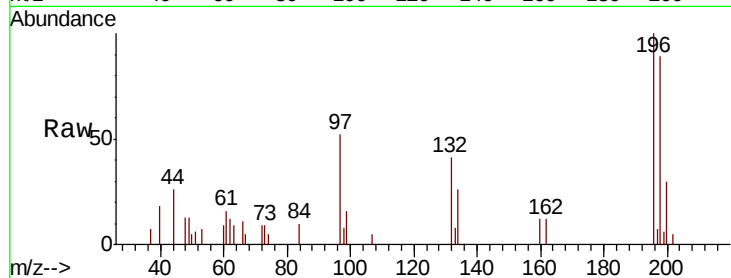




#43
 2,4,6-Trichlorophenol
 Concen: 1.527 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

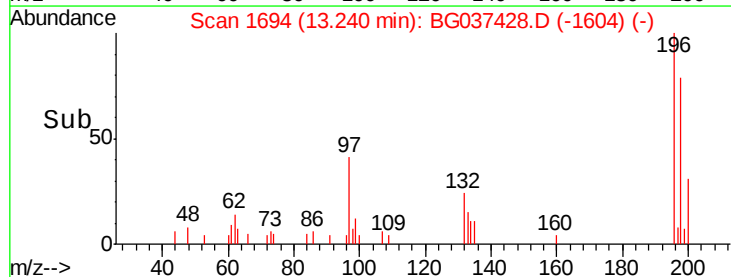
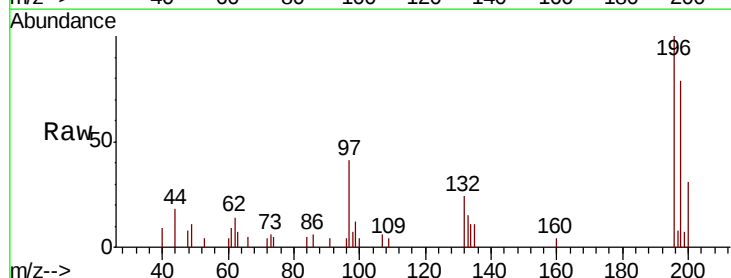
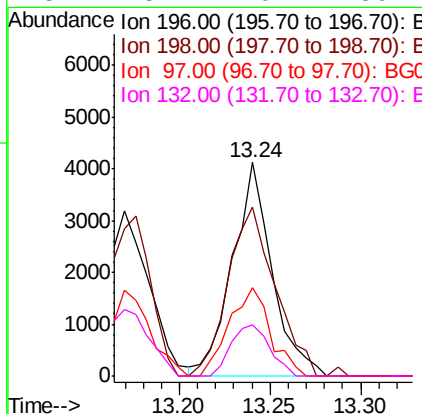
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

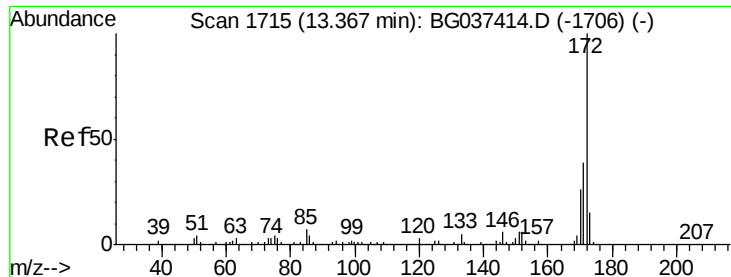
Tot Ion:196 Resp: 5199
 Ion Ratio Lower Upper
 196 100
 198 88.9 76.4 114.6
 200 30.5 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 1.689 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion:196 Resp: 6261
 Ion Ratio Lower Upper
 196 100
 198 79.0 74.2 111.2
 97 41.1 34.1 51.1
 132 23.7 20.2 30.4

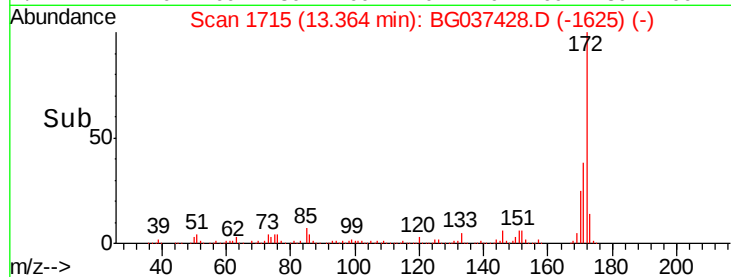
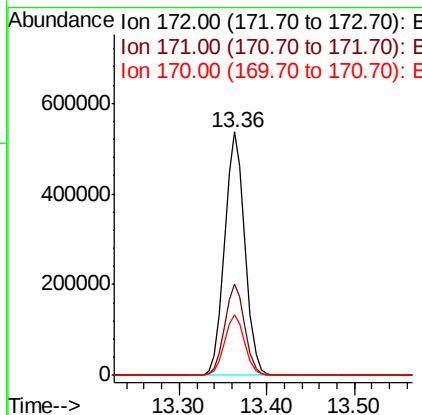
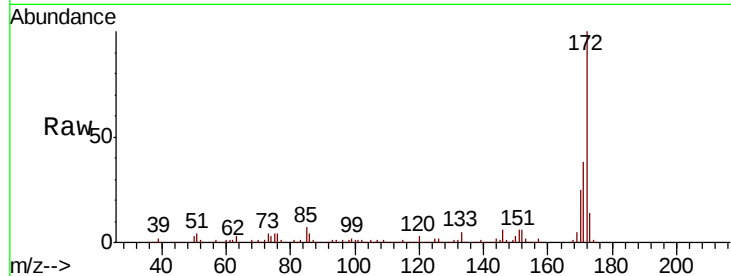




#45
2-Fluorobiphenyl
Concen: 81.320 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

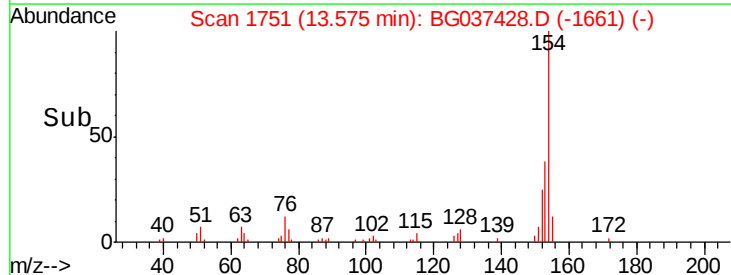
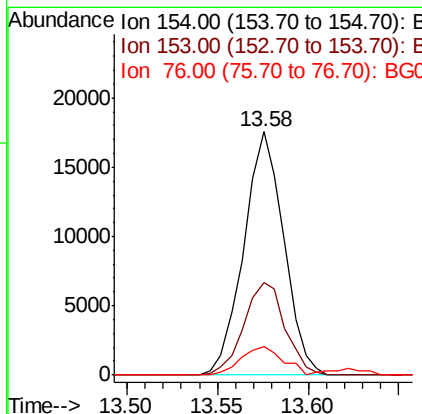
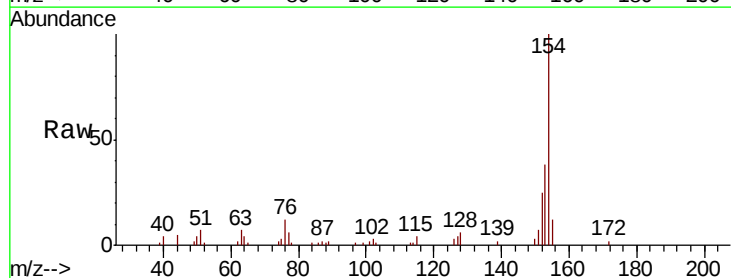
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.0	46.4
170	24.7	20.2	30.2



#46
1,1'-Biphenyl
Concen: 2.053 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.2	22.1	62.1
76	11.9	0.0	33.2

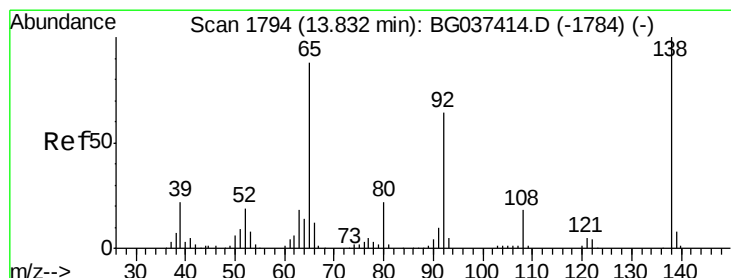
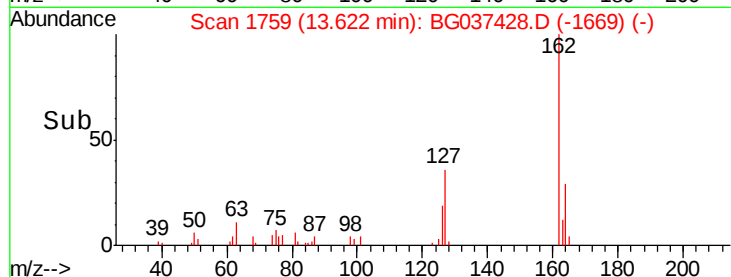
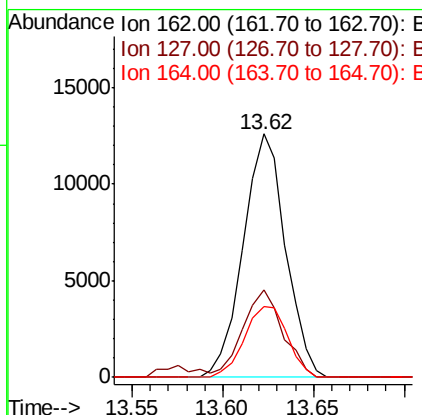
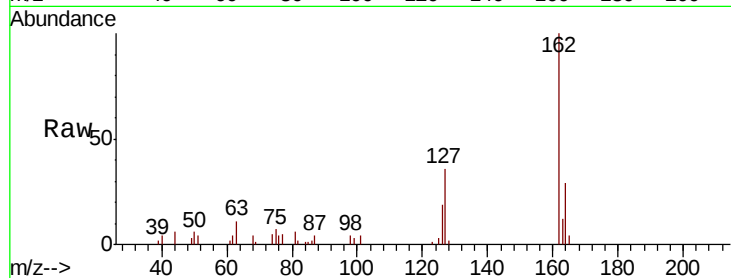




#47
 2-Chloronaphthalene
 Concen: 2.058 ng
 RT: 13.62 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

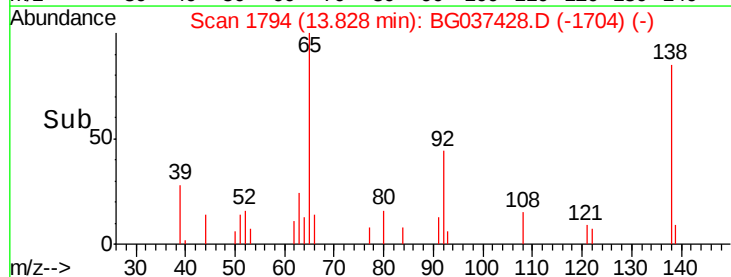
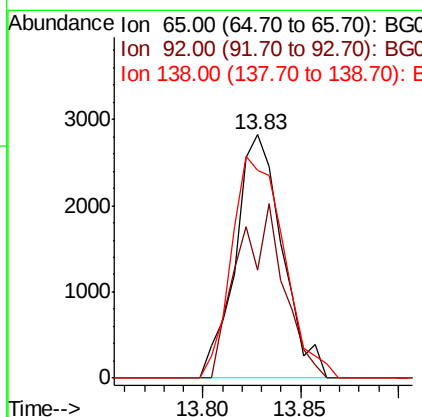
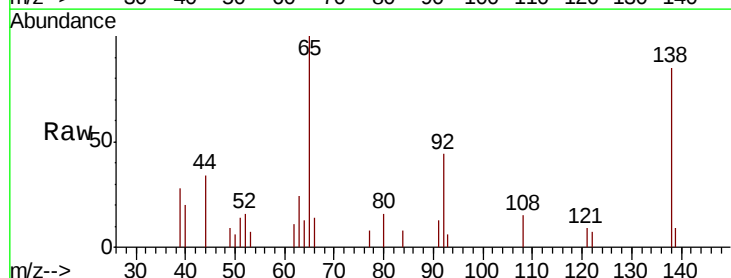
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

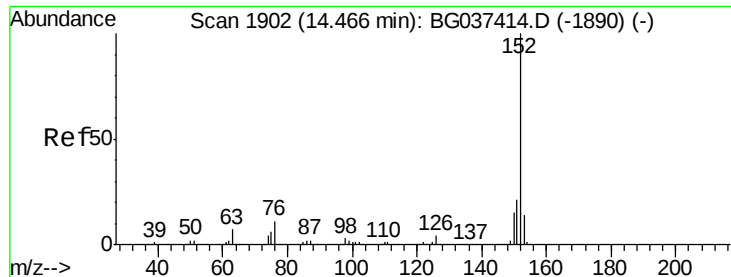
Tot Ion	Ratio	Lower	Upper
162	100		
127	35.7	30.5	45.7
164	29.0	26.4	39.6



#48
 2-Nitroaniline
 Concen: 1.557 ng
 RT: 13.83 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
65	100		
92	44.1	53.2	79.8#
138	85.4	79.3	118.9





#49

Acenaphthylene

Concen: 2.150 ng

RT: 14.47 min Scan# 1903

Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

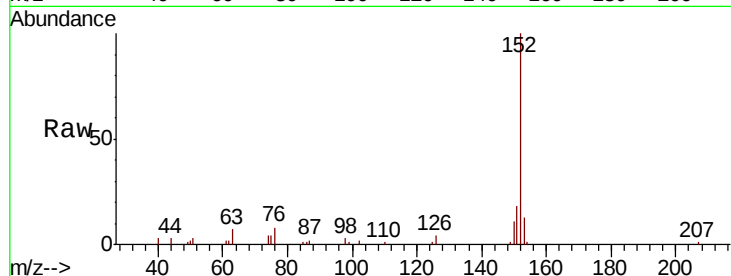
Tot Ion:152 Resp: 32022

Ion Ratio Lower Upper

152 100

151 17.7 17.1 25.7

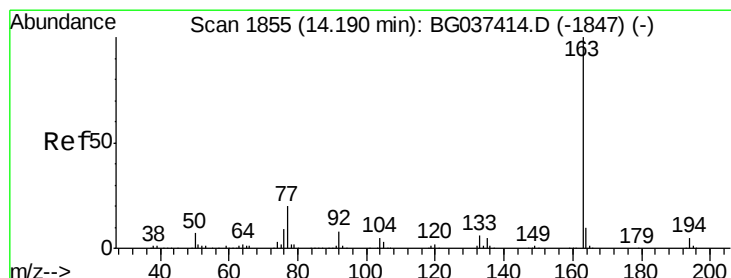
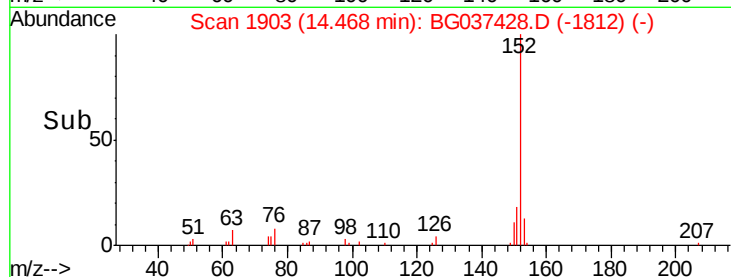
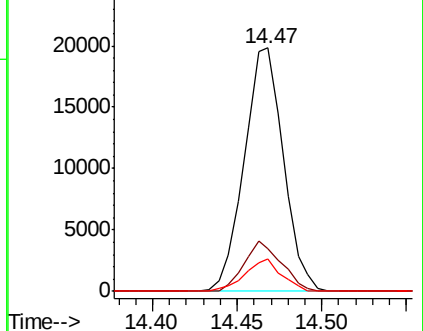
153 13.5 11.1 16.7



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: 2.057 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

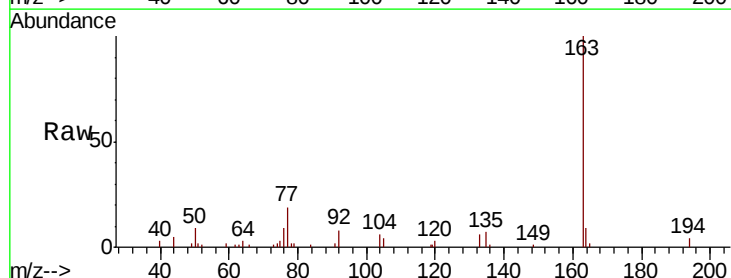
Tgt Ion:163 Resp: 25148

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

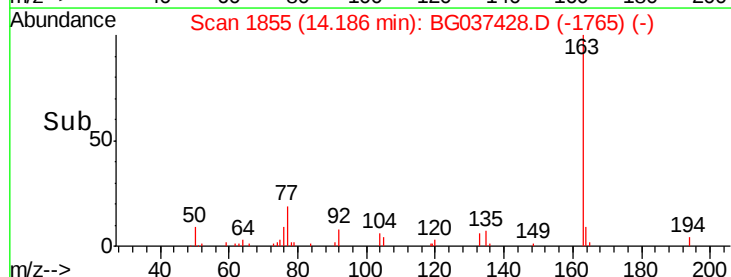
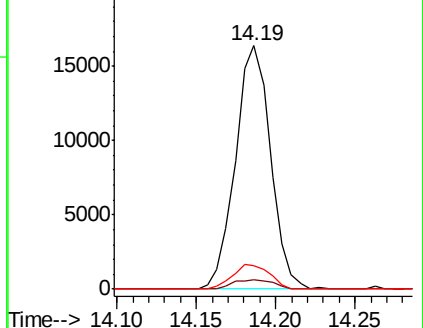
164 9.5 8.5 12.7



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

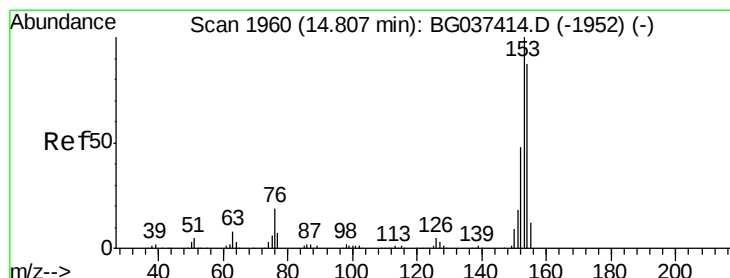
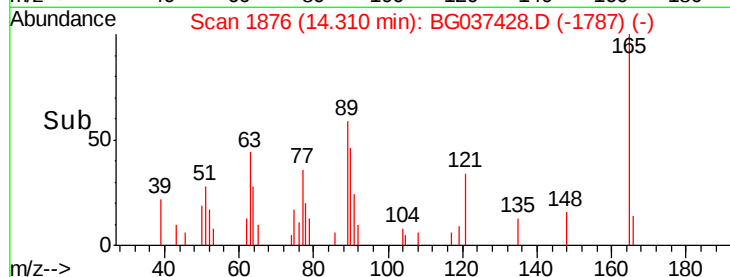
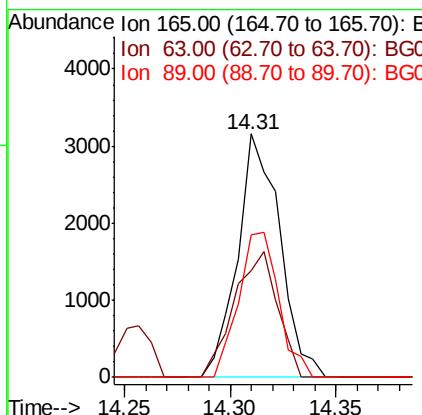
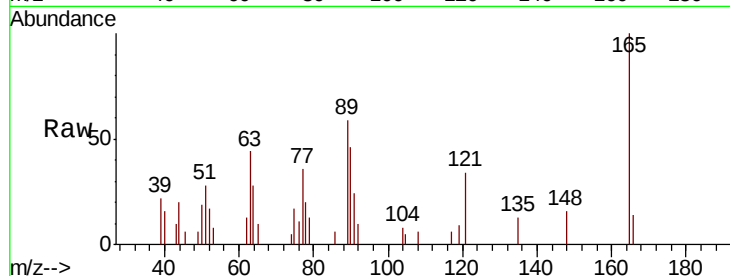




#51
2,6-Dinitrotoluene
Concen: 1.615 ng
RT: 14.31 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

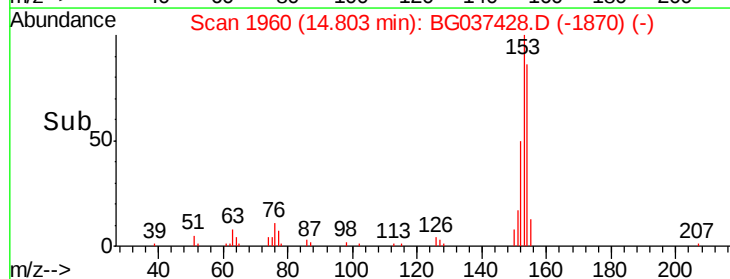
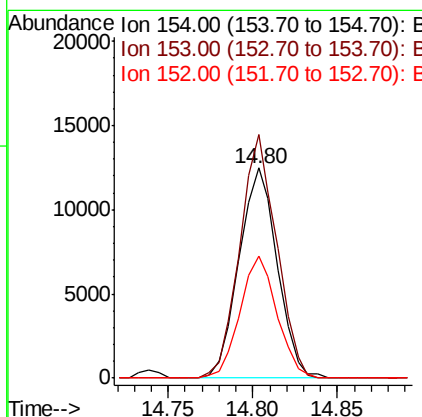
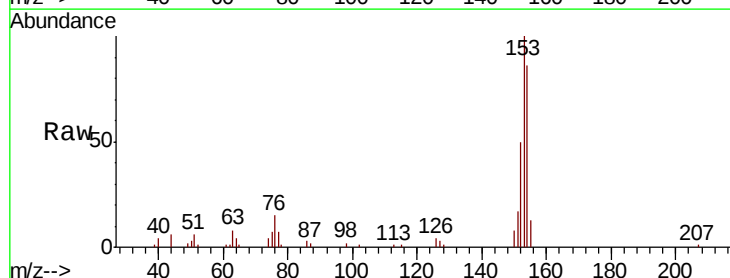
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:165 Resp: 4367
Ion Ratio Lower Upper
165 100
63 43.7 43.4 65.2
89 58.7 45.8 68.6



#52
Acenaphthene
Concen: 2.136 ng
RT: 14.80 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:154 Resp: 19589
Ion Ratio Lower Upper
154 100
153 115.9 93.4 140.0
152 57.9 44.7 67.1





#53

3-Nitroaniline

Concen: 1.377 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

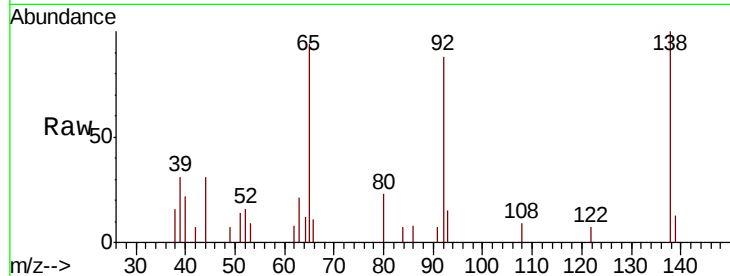
Tot Ion:138 Resp: 4133

Ion Ratio Lower Upper

138 100

108 9.0 11.0 16.6#

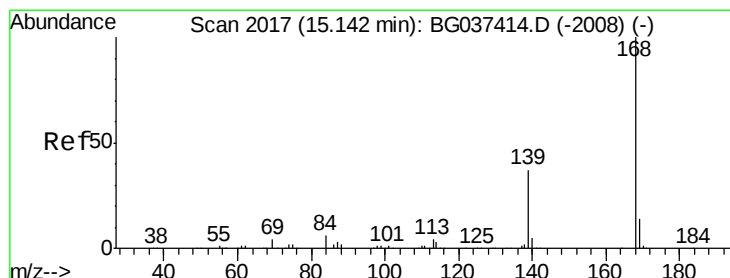
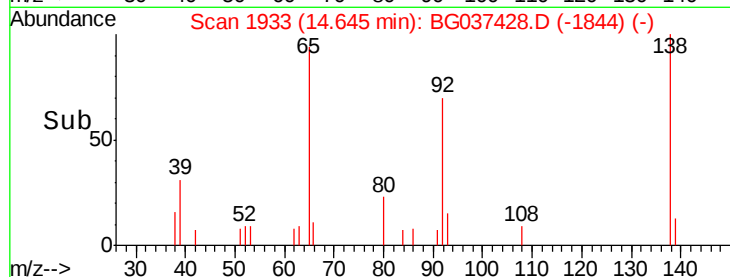
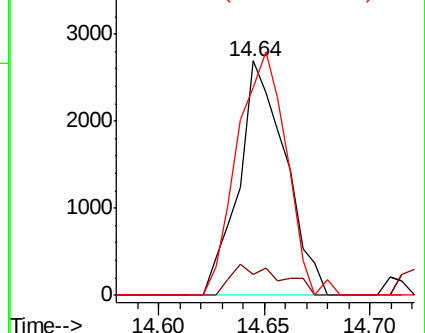
92 88.4 95.2 142.8#



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: 2.130 ng

RT: 15.14 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

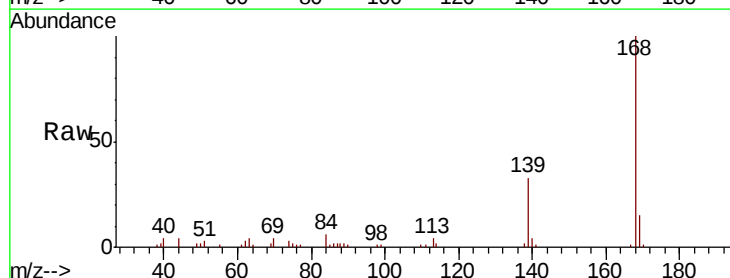
Tgt Ion:168 Resp: 32366

Ion Ratio Lower Upper

168 100

139 32.6 29.4 44.0

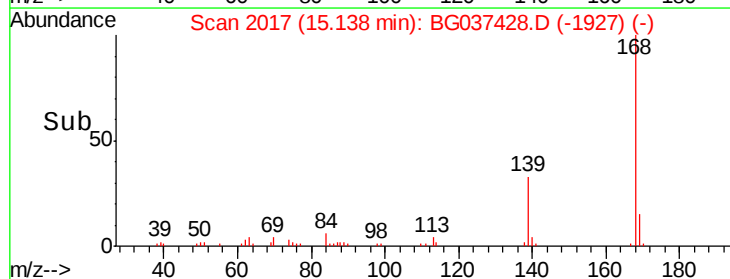
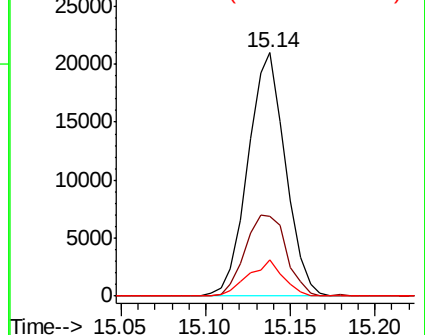
169 14.9 11.0 16.6

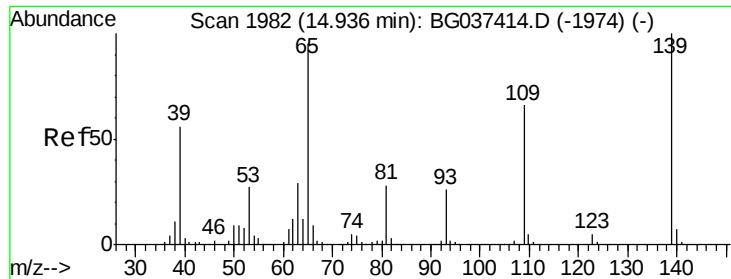


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 0.769 ng

RT: 14.94 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

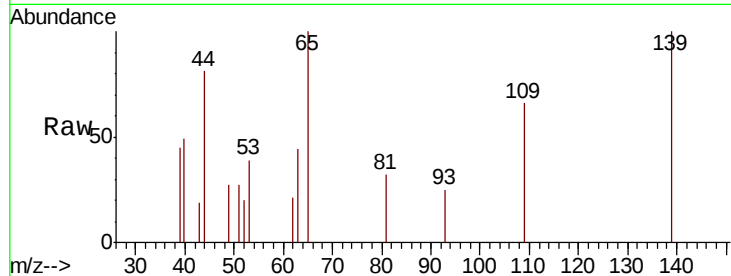
Tot Ion:139 Resp: 1709

Ion Ratio Lower Upper

139 100

109 66.5 49.5 89.5

65 100.5 76.8 116.8

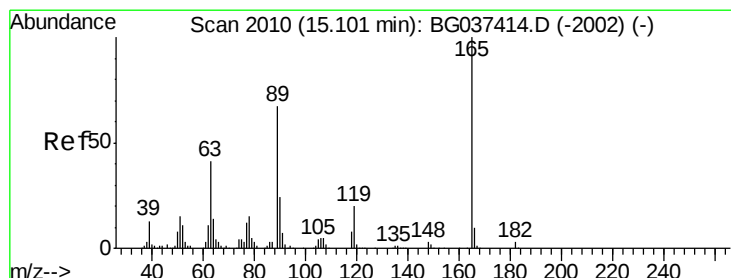
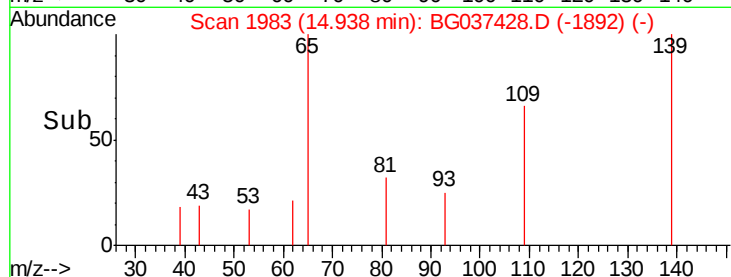
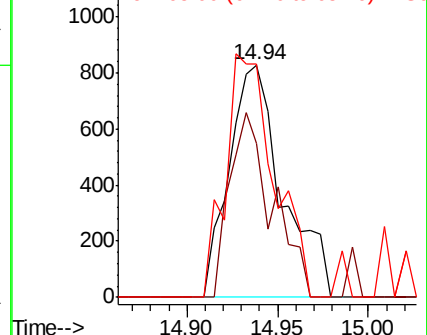


Abundance

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: 1.552 ng

RT: 15.10 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion:165 Resp: 5509

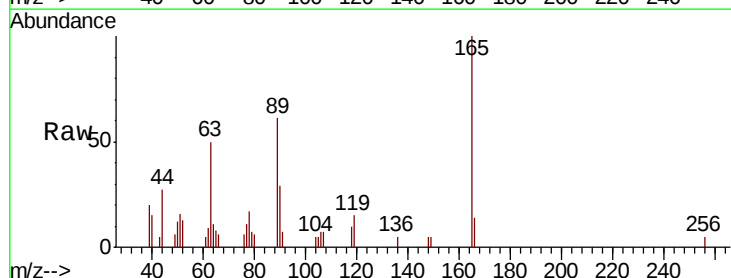
Ion Ratio Lower Upper

165 100

63 49.7 33.4 50.0

89 60.9 57.2 85.8

182 0.0 2.6 4.0#



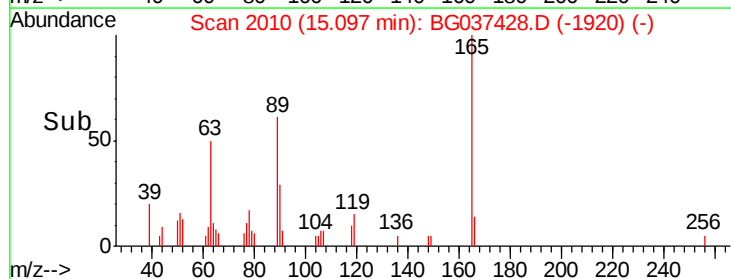
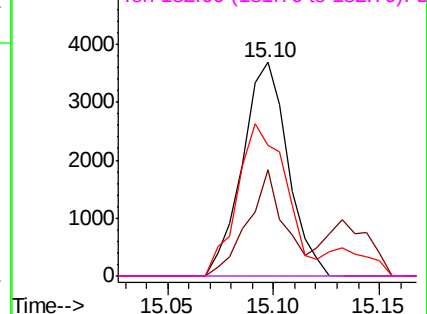
Abundance

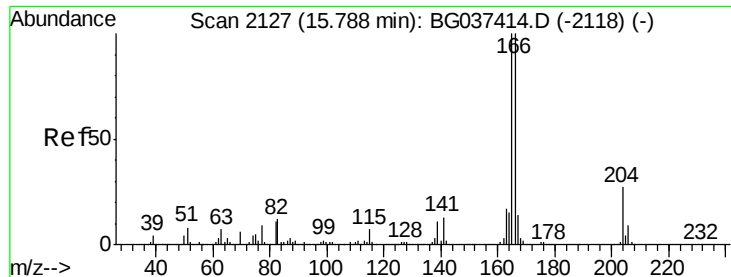
Ion 165.00 (164.70 to 165.70): E

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: 2.287 ng

RT: 15.78 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

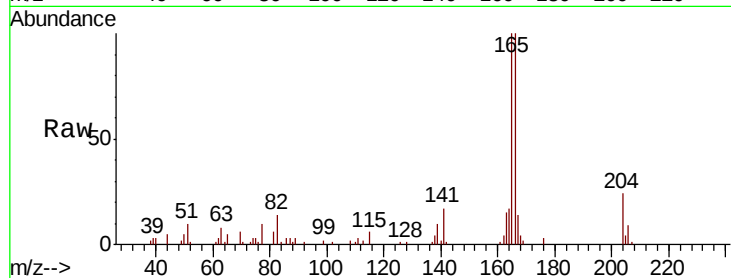
Tot Ion:166 Resp: 26022

Ion Ratio Lower Upper

166 100

165 100.4 79.0 118.6

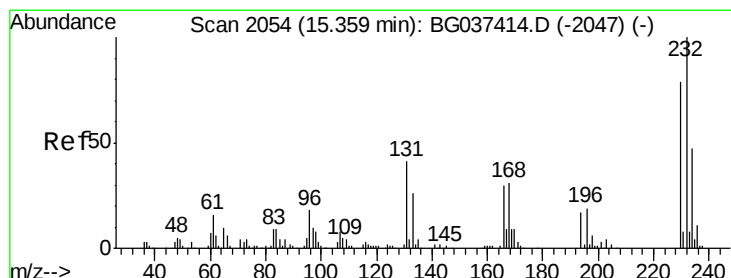
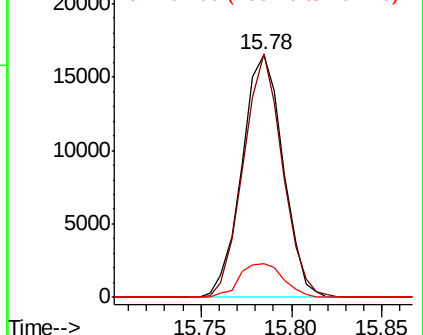
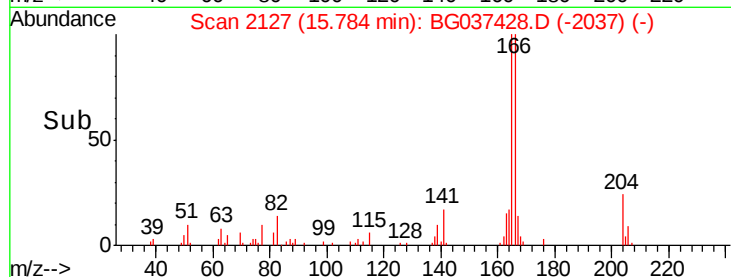
167 14.1 11.3 16.9



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: 1.615 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion:232 Resp: 5127

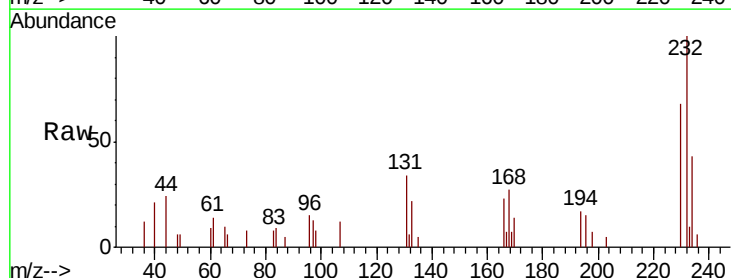
Ion Ratio Lower Upper

232 100

131 36.5 33.7 50.5

130 0.0 2.1 3.1#

166 24.5 24.6 36.8#

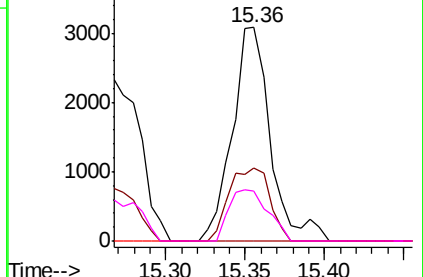
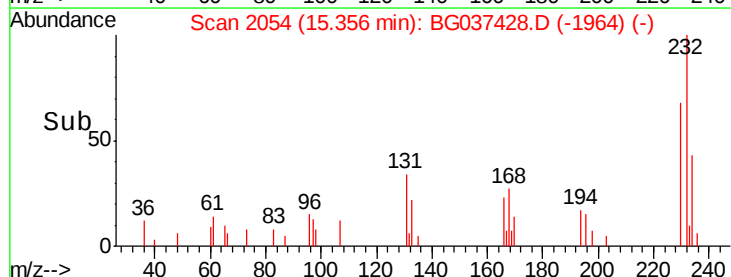


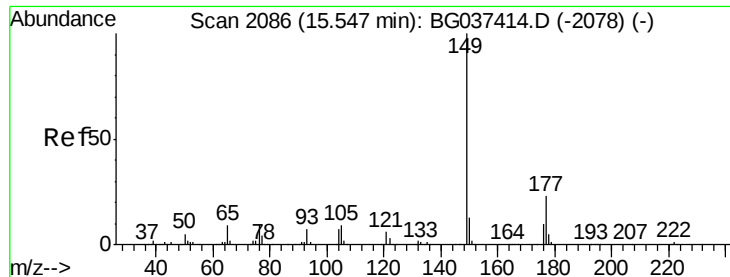
Abundance Ion 232.00 (231.70 to 232.70): E

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

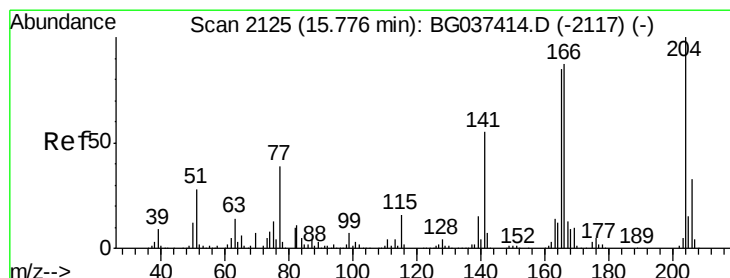
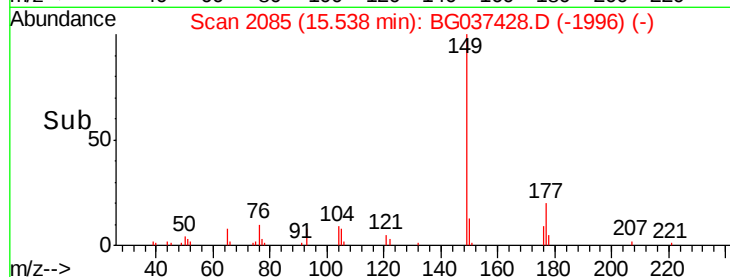
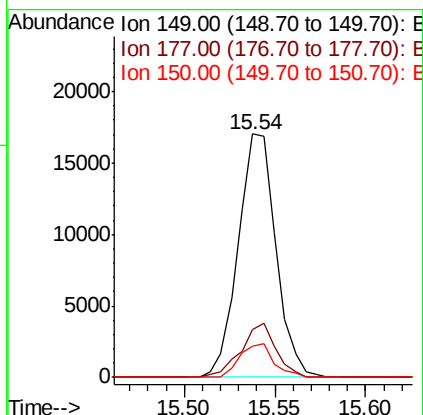
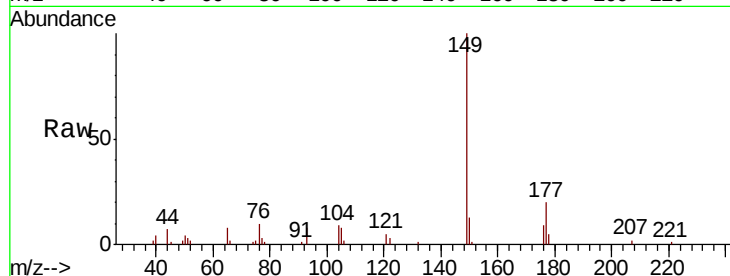




#60
Diethylphthalate
Concen: 1.959 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

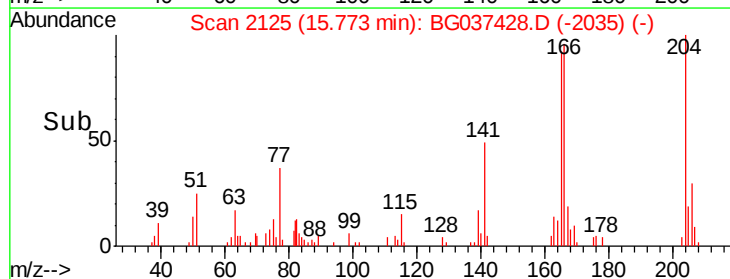
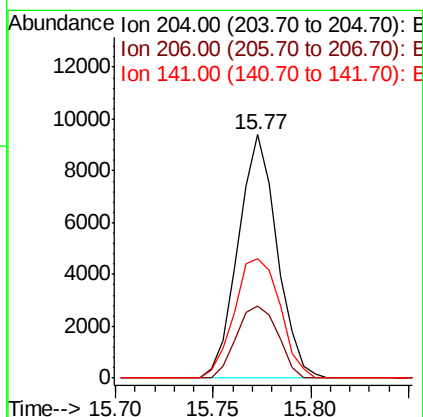
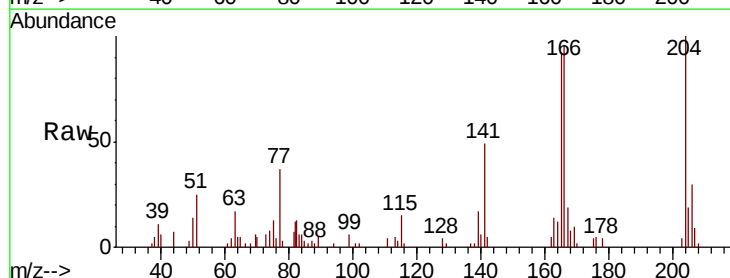
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

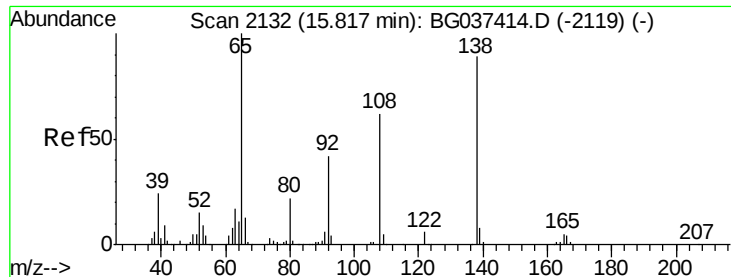
Tot Ion:149 Resp: 24589
Ion Ratio Lower Upper
149 100
177 19.9 18.3 27.5
150 12.8 10.0 15.0



#61
4-Chlorophenyl-phenylether
Concen: 1.954 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:204 Resp: 12958
Ion Ratio Lower Upper
204 100
206 29.7 26.6 39.8
141 49.2 45.4 68.2





#62

4-Nitroaniline

Concen: 1.531 ng

RT: 15.80 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

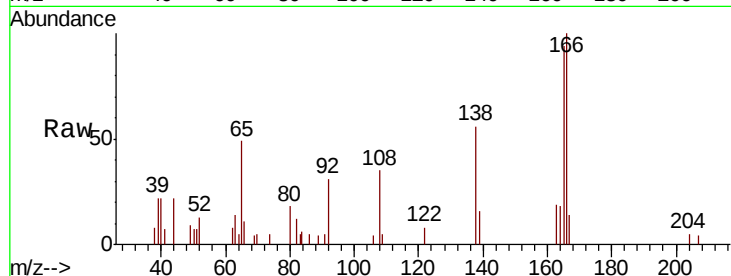
Tot Ion:138 Resp: 4568

Ion Ratio Lower Upper

138 100

92 55.9 36.4 76.4

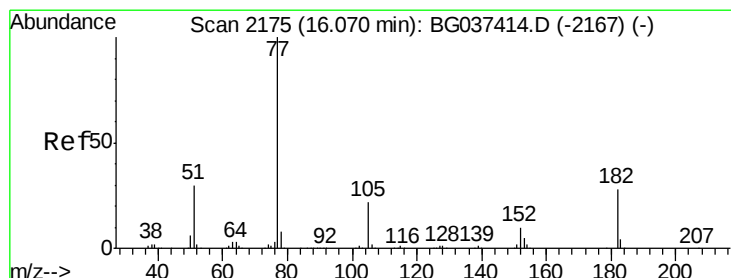
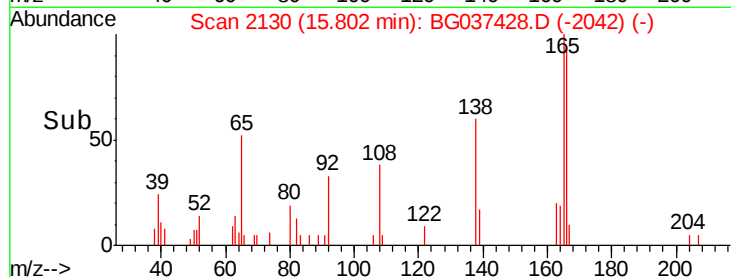
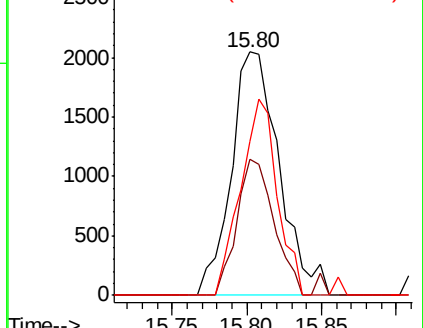
108 63.2 60.1 100.1



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: 1.964 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion: 77 Resp: 23515

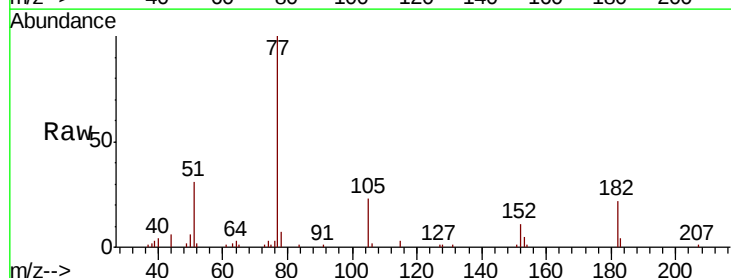
Ion Ratio Lower Upper

77 100

182 21.8 8.0 48.0

105 23.0 1.3 41.3

51 31.4 10.7 50.7

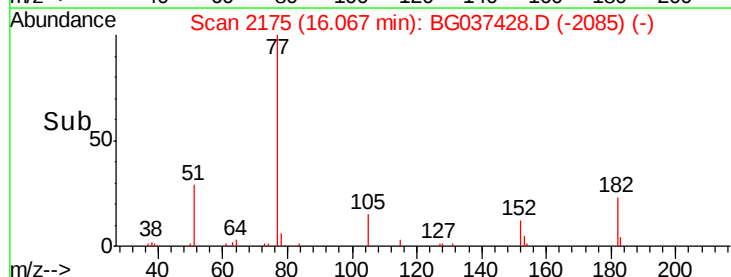
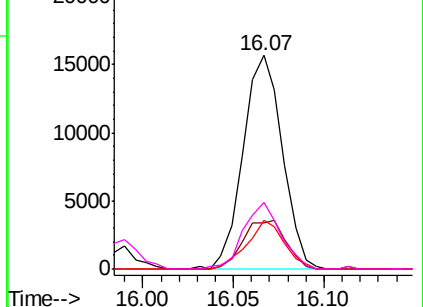


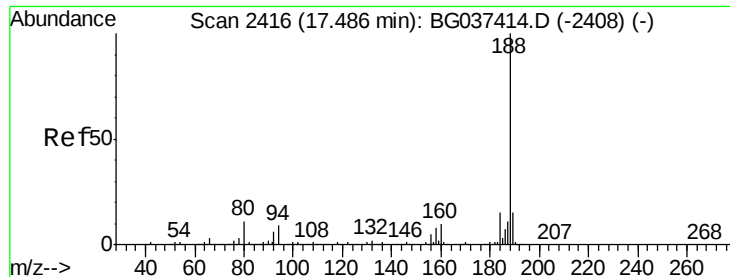
Abundance Ion 77.00 (76.70 to 77.70): BG

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

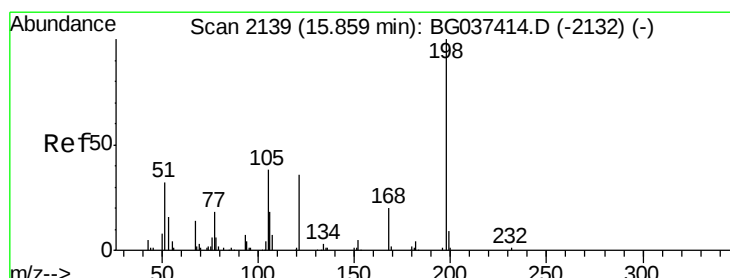
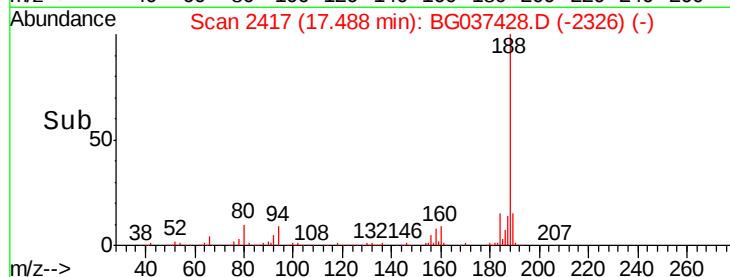
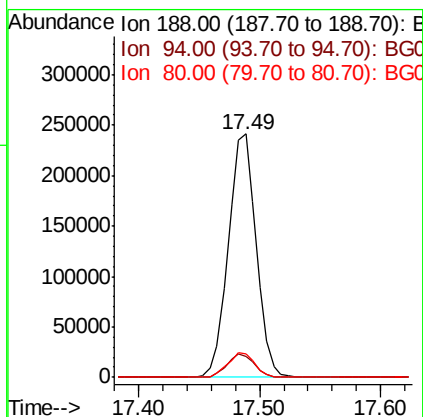
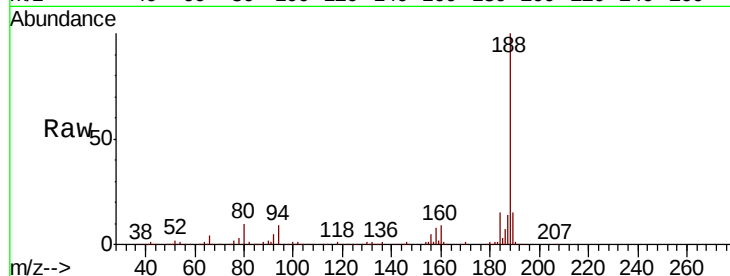




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

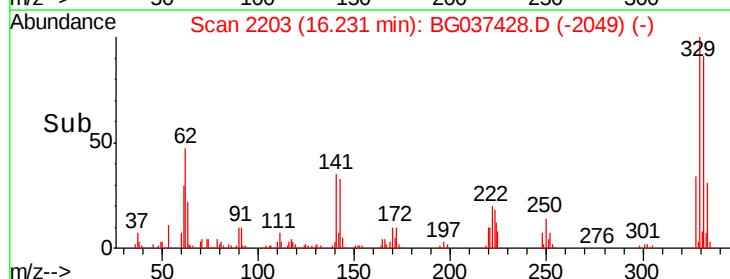
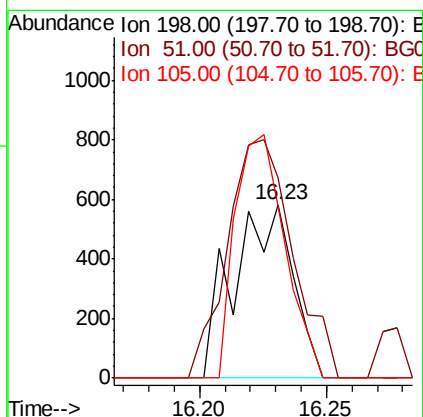
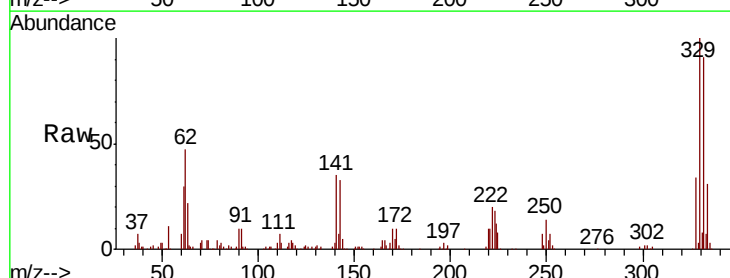
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

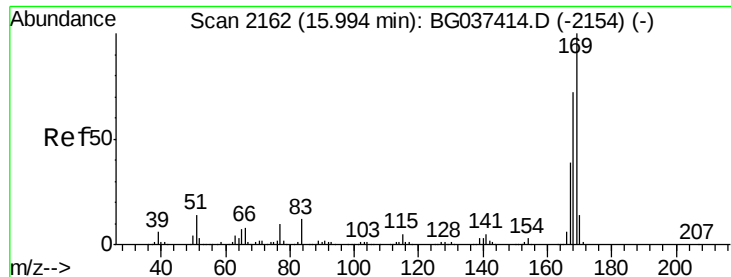
Tot Ion:188 Resp: 386058
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.7 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.895 ng
RT: 16.23 min Scan# 2203
Delta R.T. 0.37 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:198 Resp: 953
Ion Ratio Lower Upper
198 100
51 23.7 22.7 62.7
105 20.4 19.7 59.7





#66

n-Nitrosodiphenylamine

Concen: 1.865 ng

RT: 15.99 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

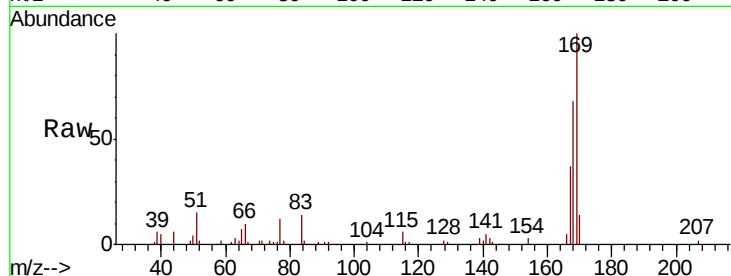
Tot Ion:169 Resp: 21658

Ion Ratio Lower Upper

169 100

168 67.5 55.7 83.5

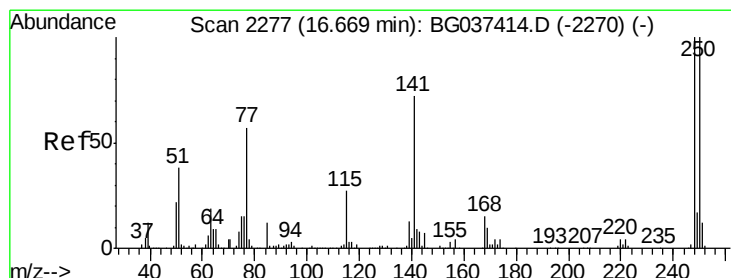
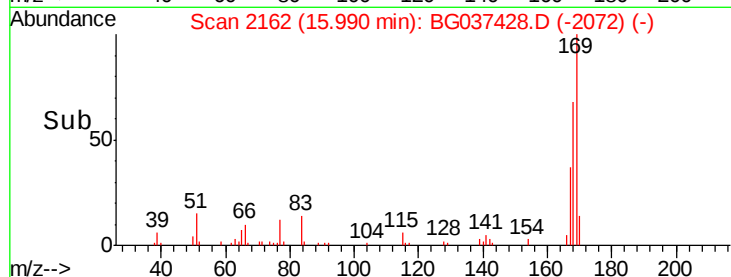
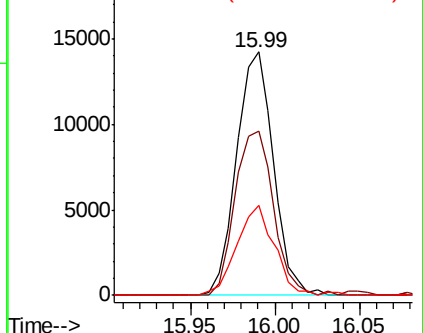
167 36.7 31.3 46.9



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: 1.809 ng

RT: 16.67 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

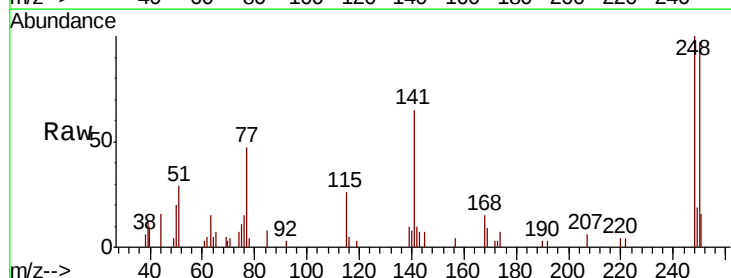
Tgt Ion:248 Resp: 7669

Ion Ratio Lower Upper

248 100

250 97.3 77.0 115.6

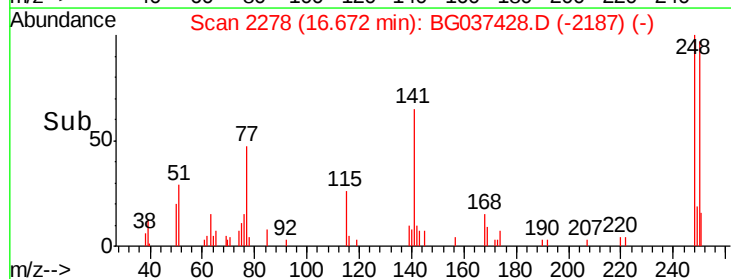
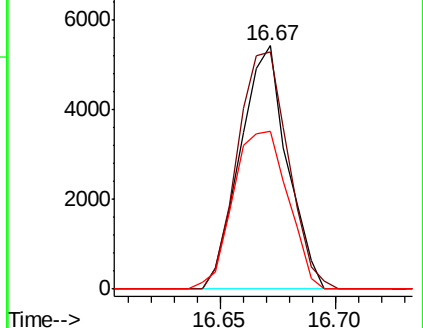
141 64.7 55.5 83.3

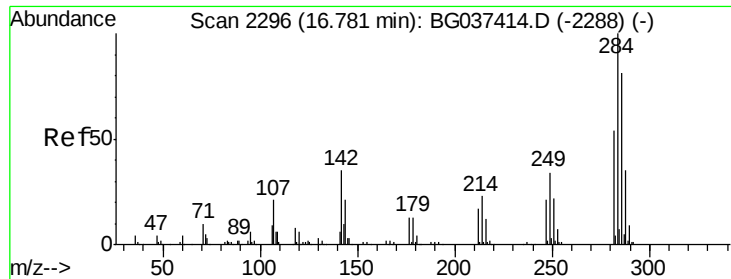


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 2.086 ng

RT: 16.78 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

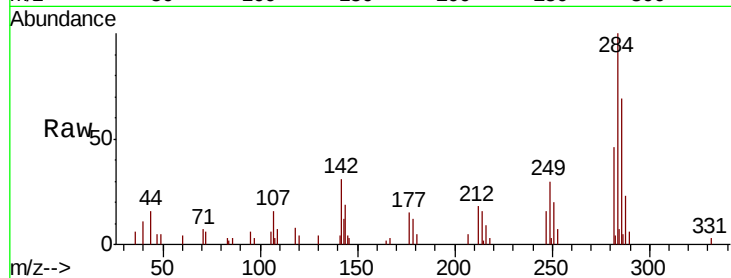
Tot Ion:284 Resp: 9167

Ion Ratio Lower Upper

284 100

142 31.1 28.1 42.1

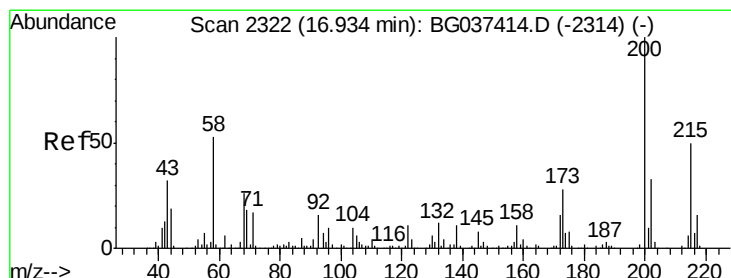
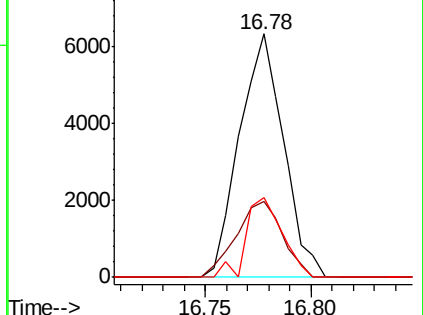
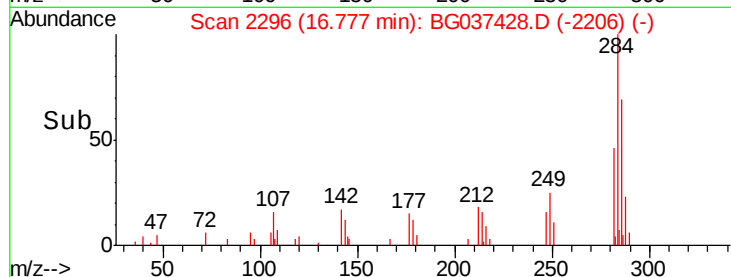
249 32.5 29.8 44.8



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: 1.696 ng

RT: 16.92 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

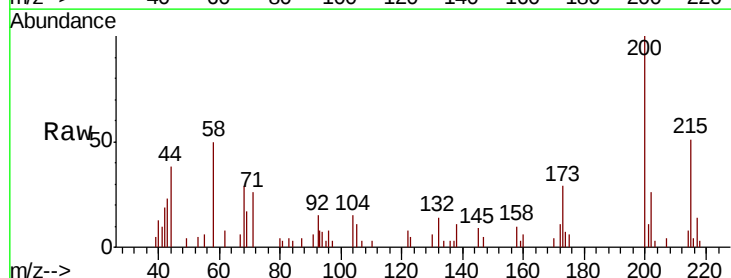
Tgt Ion:200 Resp: 7121

Ion Ratio Lower Upper

200 100

173 28.6 6.1 46.1

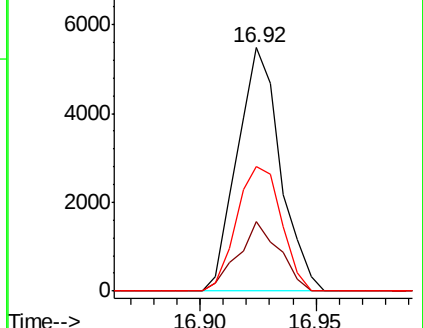
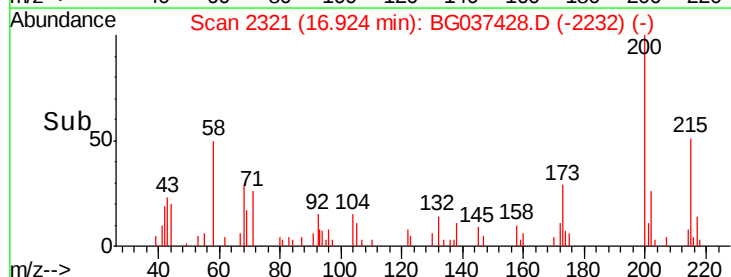
215 51.2 30.8 70.8

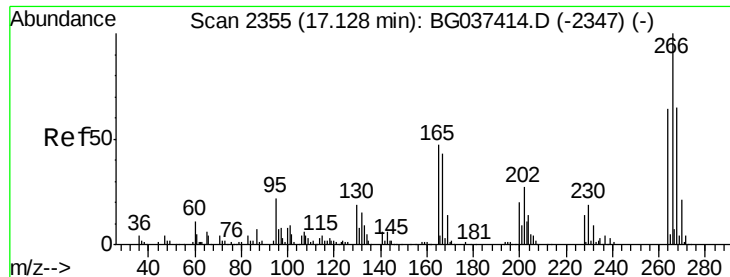


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Pentachlorophenol

Concen: 0.473 ng

RT: 17.12 min Scan# 2355

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

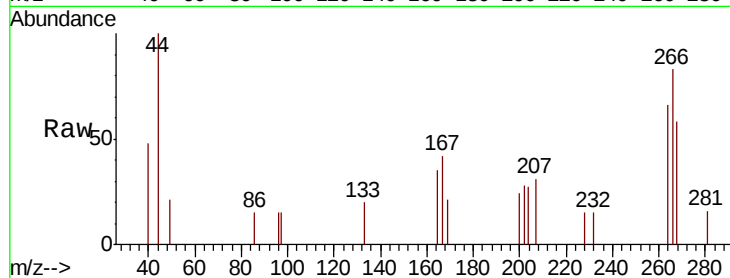
Tot Ion:266 Resp: 1392

Ion Ratio Lower Upper

266 100

268 70.1 55.0 82.6

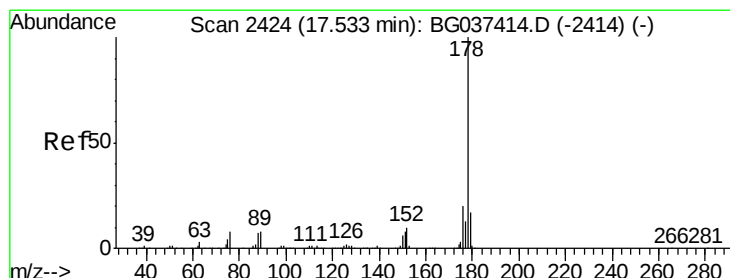
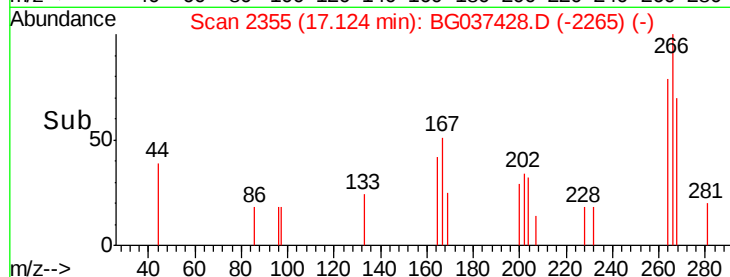
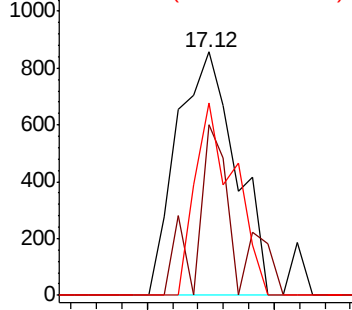
264 79.2 58.9 88.3



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: 2.232 ng

RT: 17.53 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

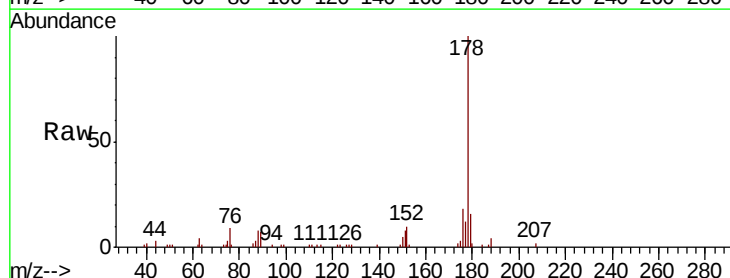
Tgt Ion:178 Resp: 43788

Ion Ratio Lower Upper

178 100

176 17.7 16.1 24.1

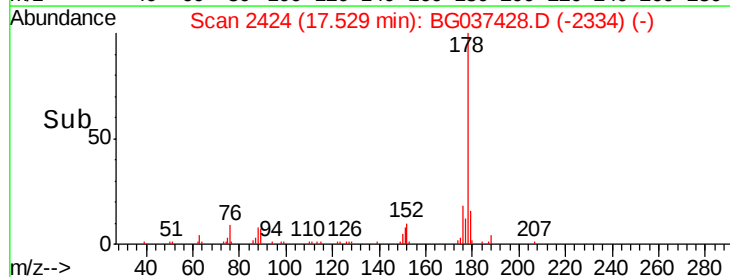
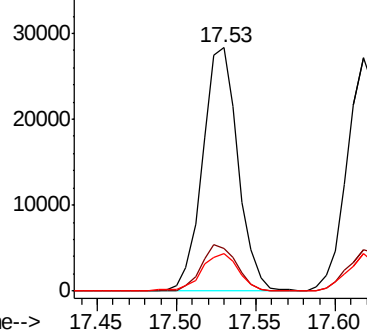
179 15.7 13.0 19.4

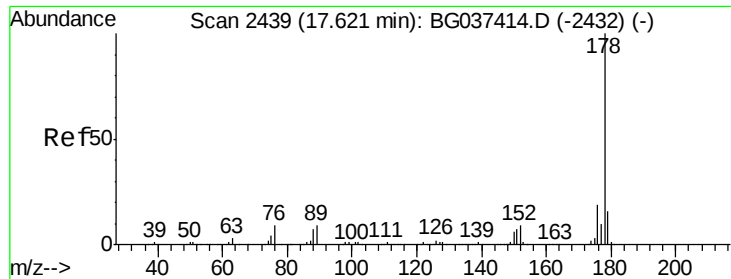


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.199 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

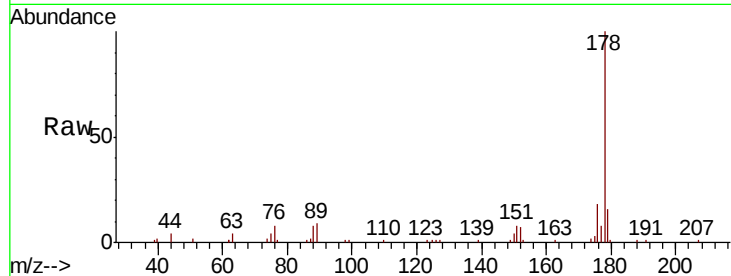
BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:178 Resp: 42333

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	16.0	12.8	19.2

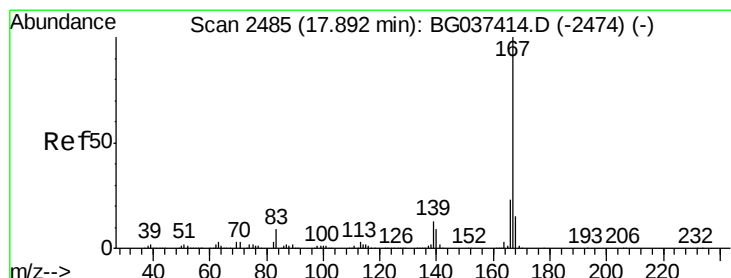
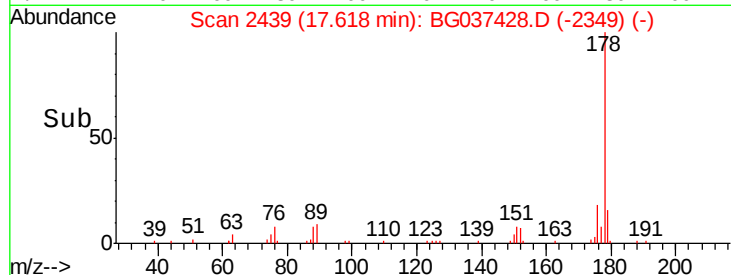
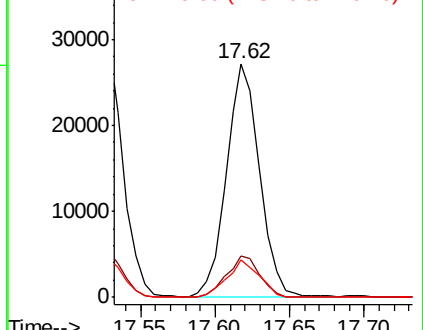


Abundance

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: 1.854 ng

RT: 17.89 min Scan# 2485

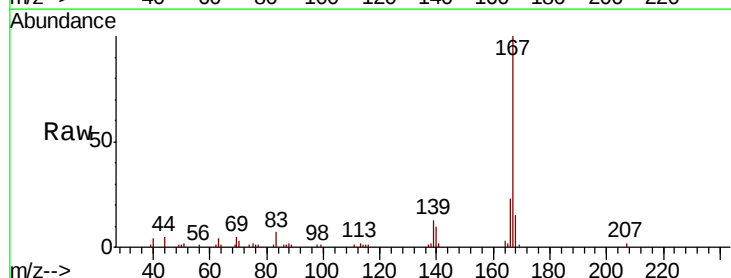
Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion:167 Resp: 35706

Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.3	27.5
139	13.0	10.5	15.7

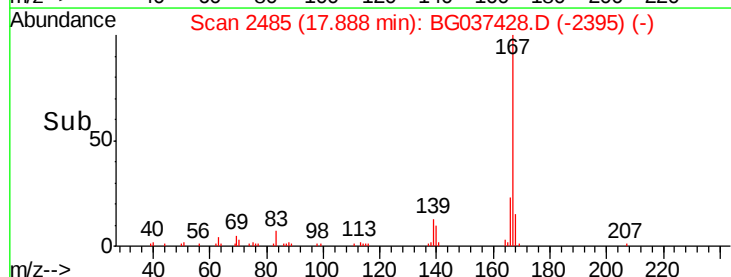
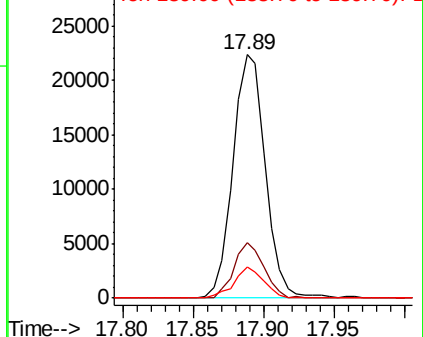


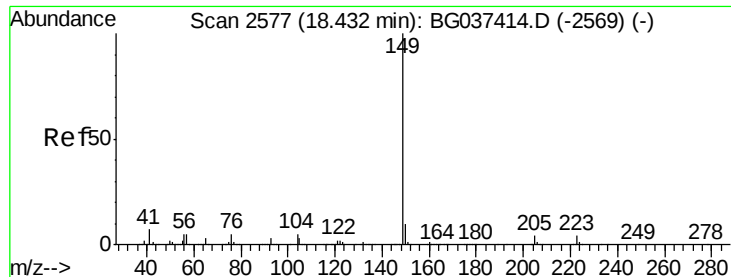
Abundance

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

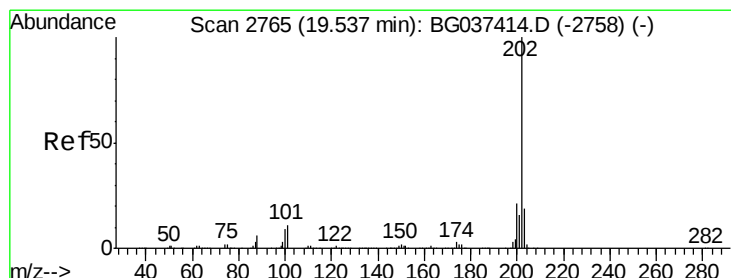
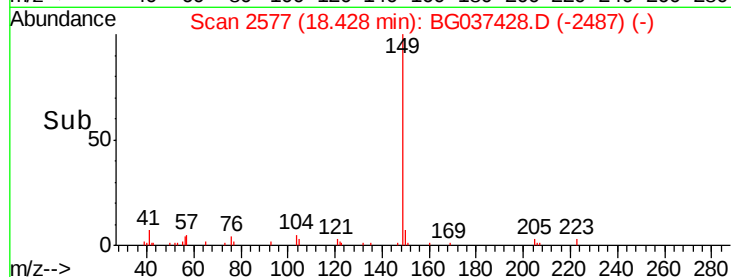
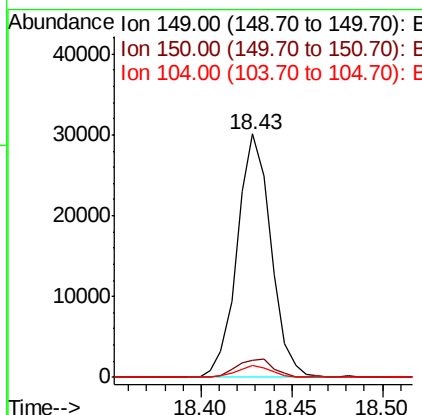
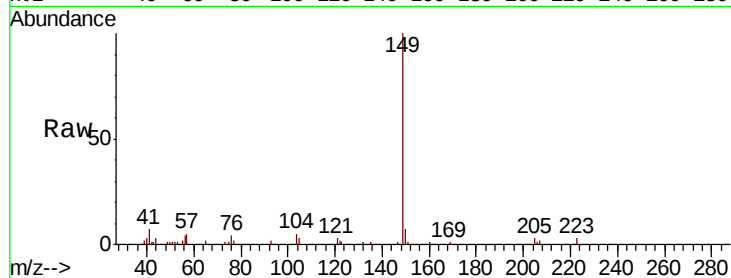




#74
Di-n-butylphthalate
Concen: 1.816 ng
RT: 18.43 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

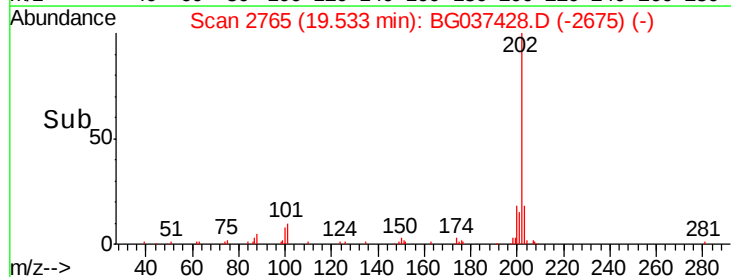
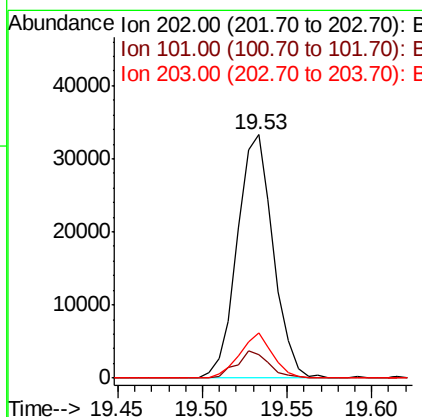
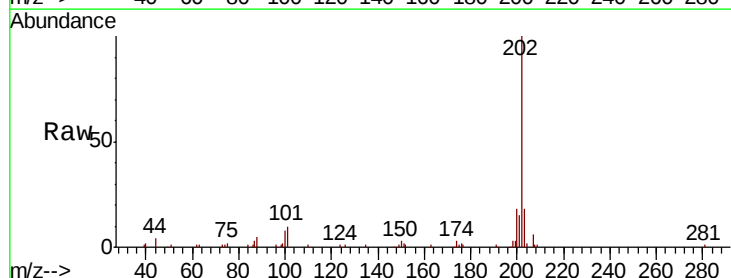
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

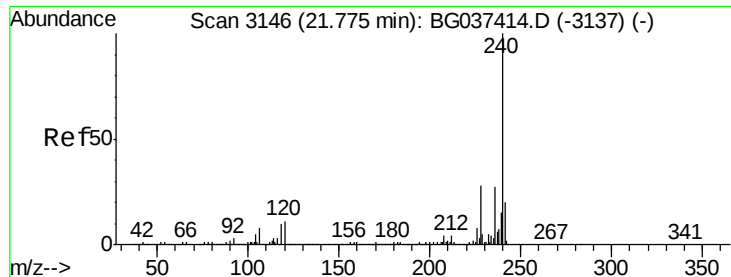
Tot Ion:149 Resp: 38911
Ion Ratio Lower Upper
149 100
150 7.1 8.2 12.2#
104 4.9 4.0 6.0



#75
Fluoranthene
Concen: 2.207 ng
RT: 19.53 min Scan# 2765
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:202 Resp: 49119
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.7
203 18.4 0.0 38.5

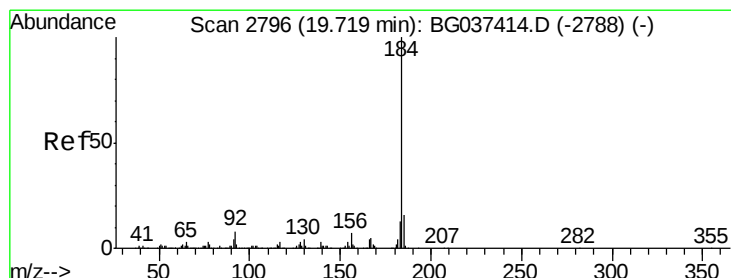
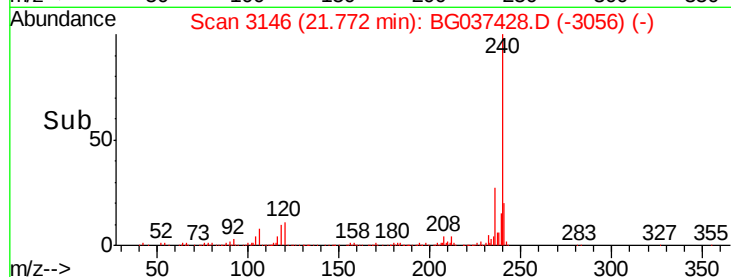
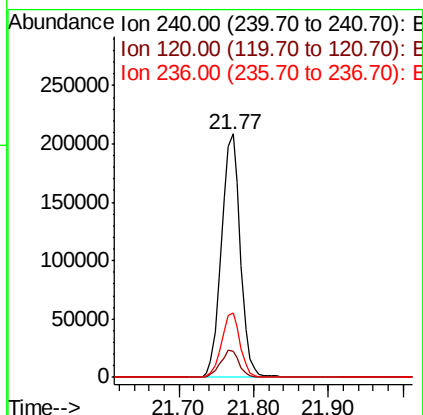
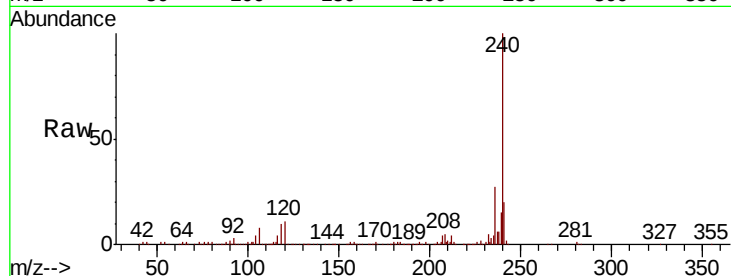




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

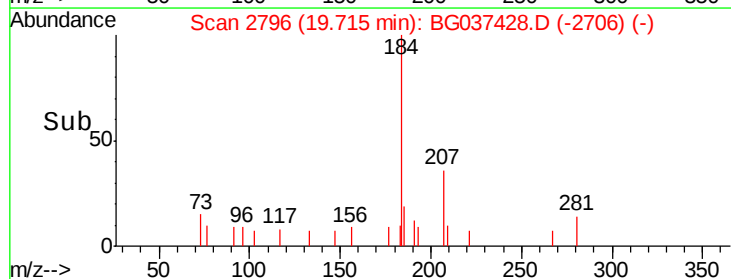
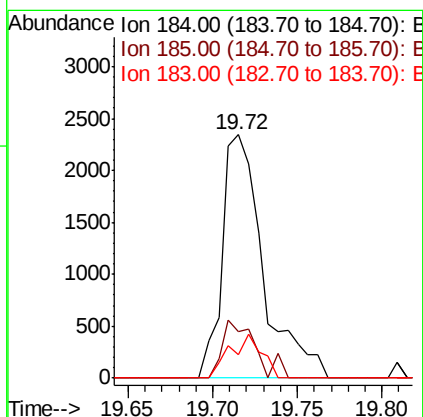
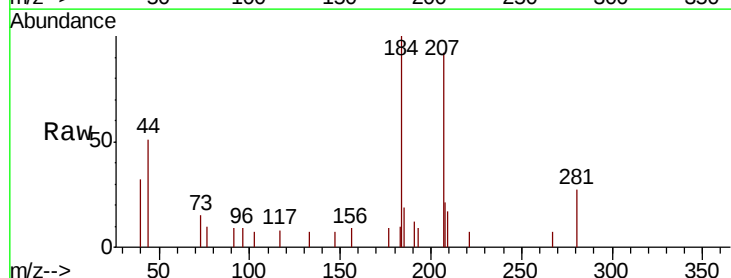
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

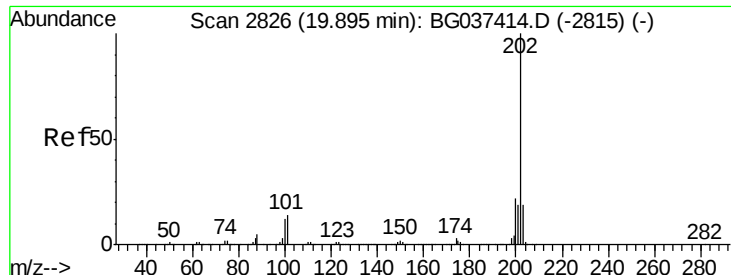
Tot Ion:240 Resp: 367754
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 26.6 21.4 32.0



#77
Benzidine
Concen: 0.316 ng
RT: 19.72 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:184 Resp: 3948
Ion Ratio Lower Upper
184 100
185 18.8 12.6 18.8#
183 9.8 10.2 15.2#

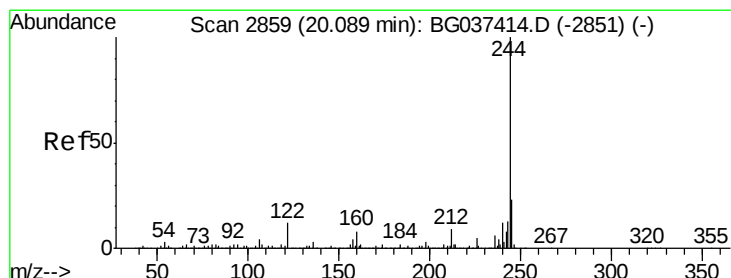
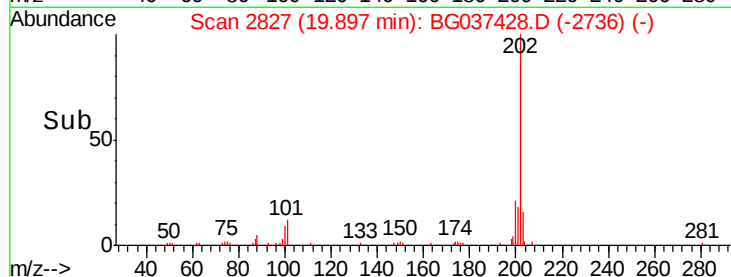
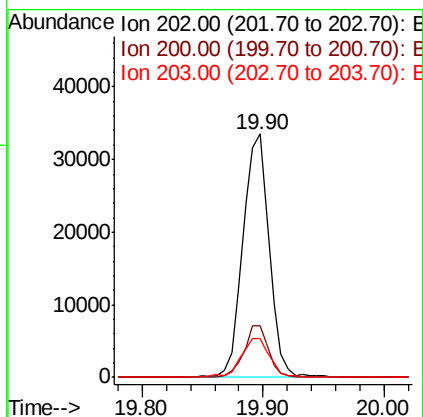
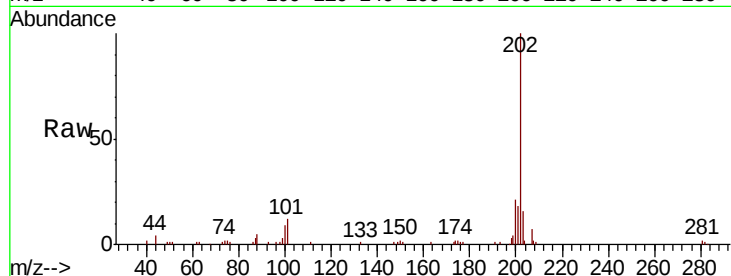




#78
Pvrene
Concen: 2.118 ng
RT: 19.90 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

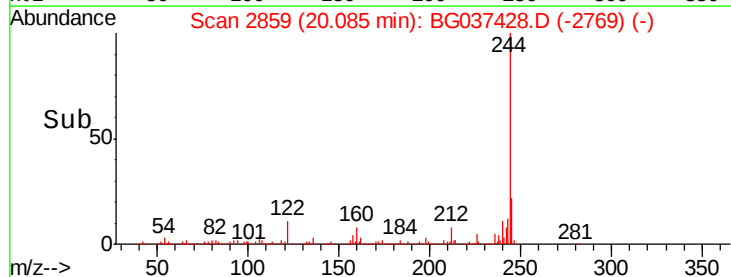
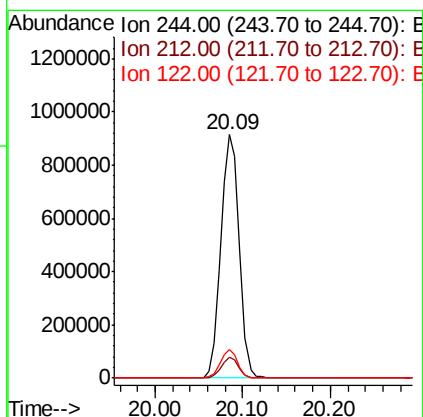
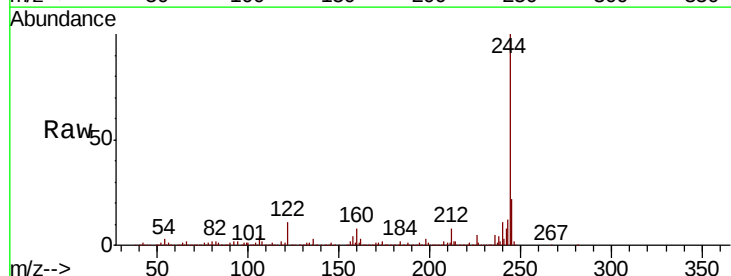
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

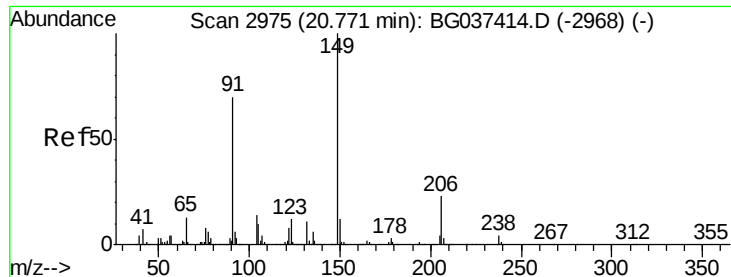
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	15.7	15.2	22.8



#79
Terphenyl-d14
Concen: 76.833 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.5	9.0	13.4

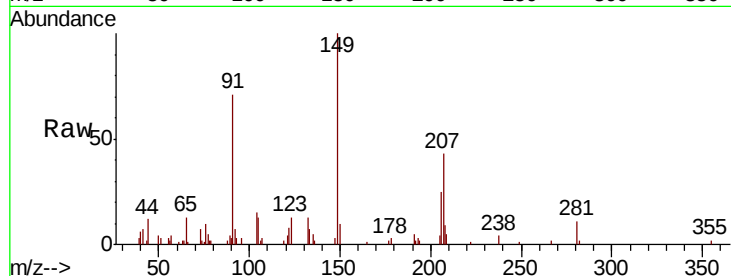




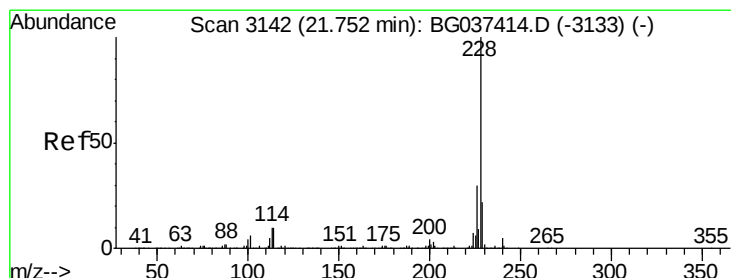
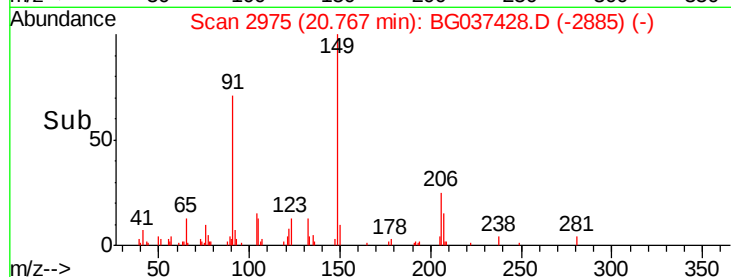
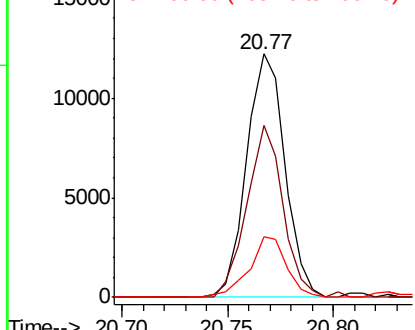
#80
Butylbenzylphthalate
Concen: 1.567 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:149 Resp: 15413
Ion Ratio Lower Upper
149 100
91 70.9 57.0 85.4
206 25.0 17.8 26.6

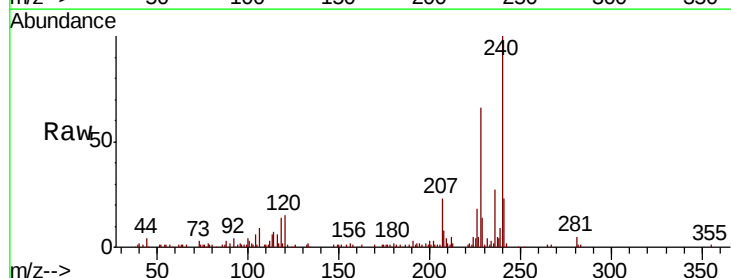


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

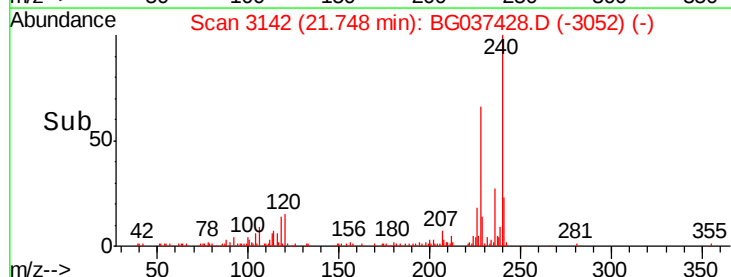
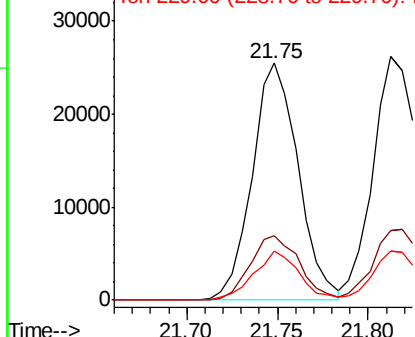


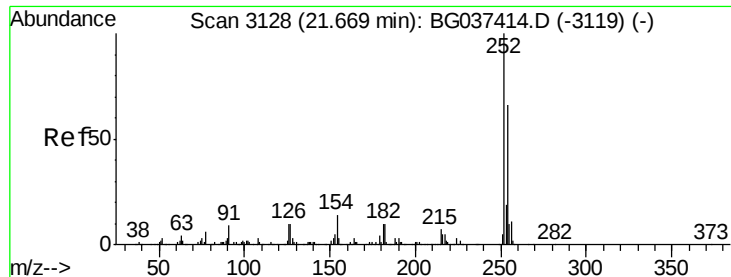
#81
Benzo(a)anthracene
Concen: 2.066 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:228 Resp: 44944
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 20.8 16.3 24.5



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

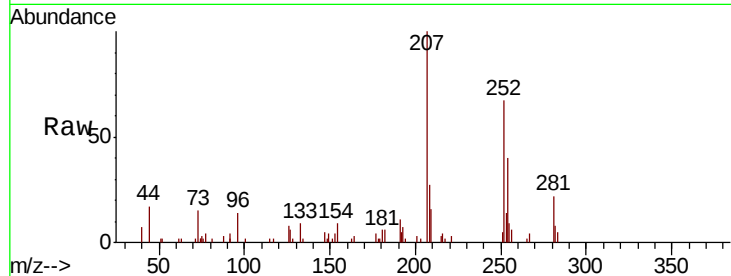




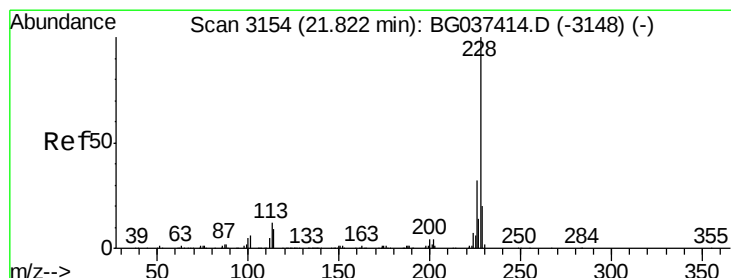
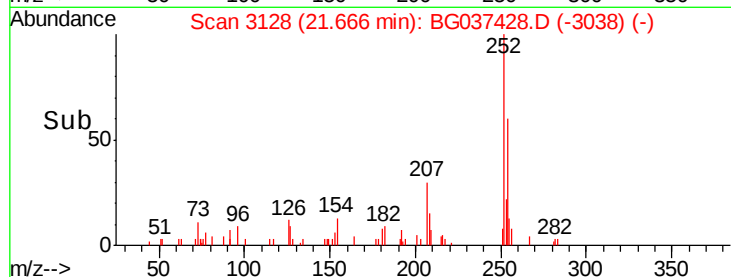
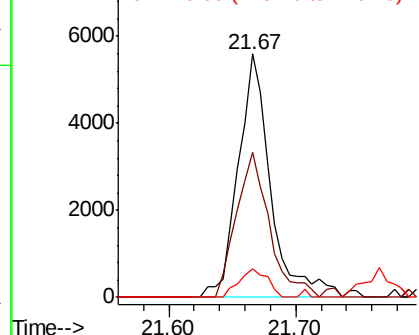
#82
 3,3'-Dichlorobenzidine
 Concen: 1.173 ng
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion:252 Resp: 9892
 Ion Ratio Lower Upper
 252 100
 254 59.5 52.0 78.0
 126 11.5 8.2 12.4

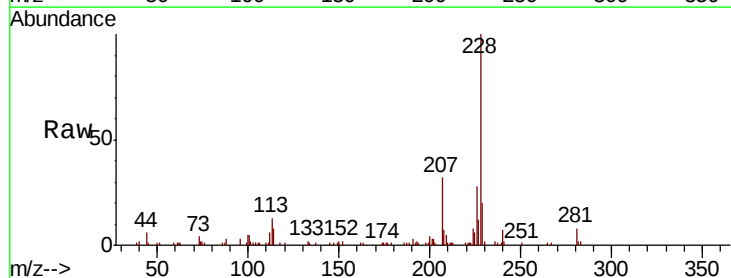


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

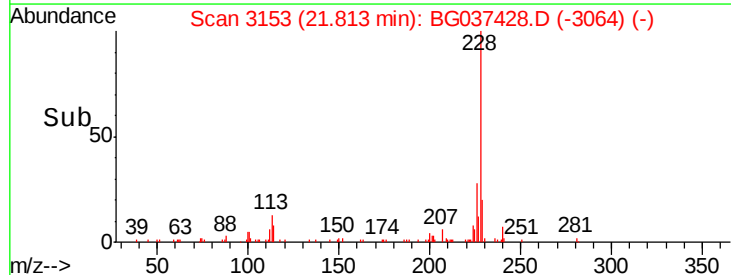
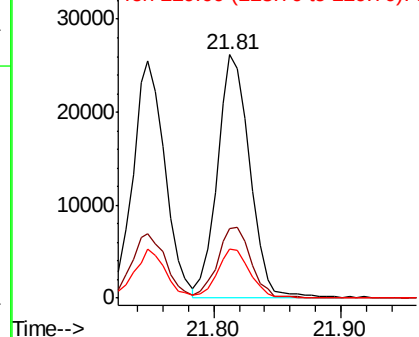


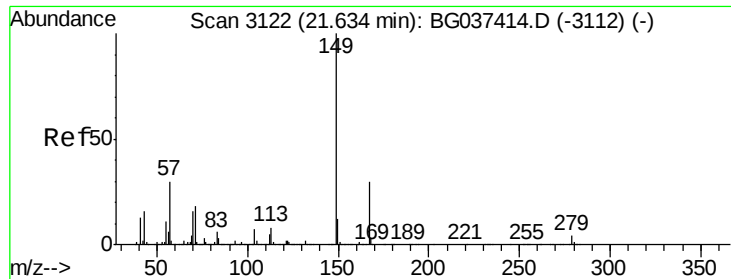
#83
 Chrysene
 Concen: 2.232 ng
 RT: 21.81 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion:228 Resp: 46691
 Ion Ratio Lower Upper
 228 100
 226 28.5 25.7 38.5
 229 20.3 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

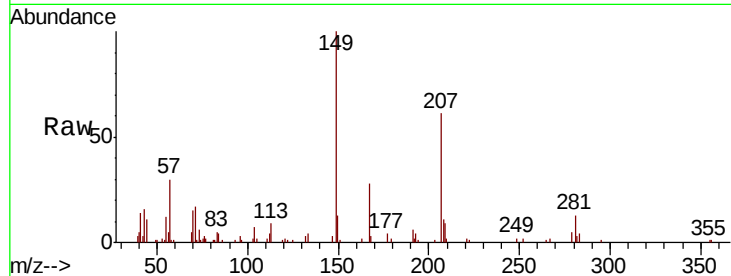




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.608 ng
 RT: 21.63 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	23.0	34.4
279	4.8	3.6	5.4

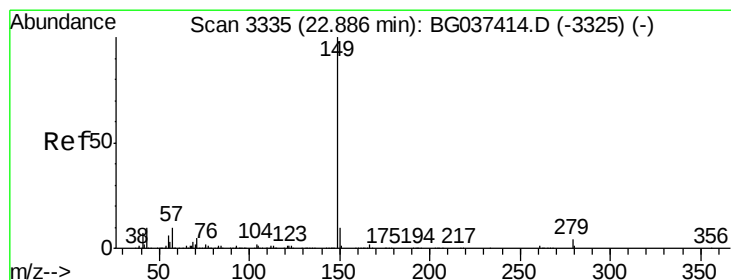
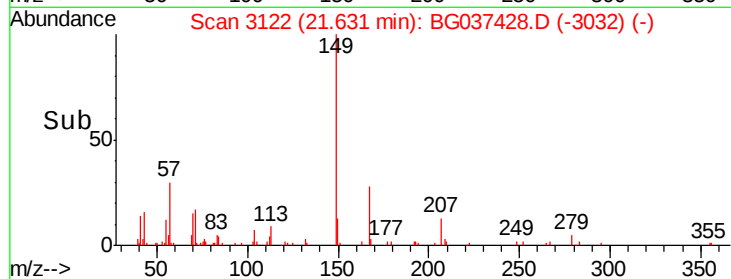
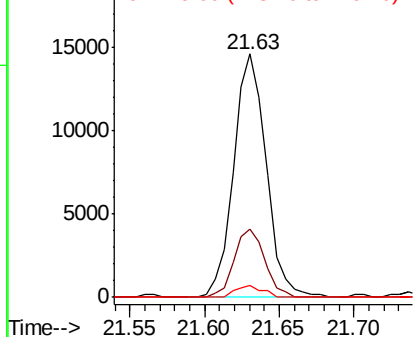


Abundance

Ion 149.00 (148.70 to 149.70): E

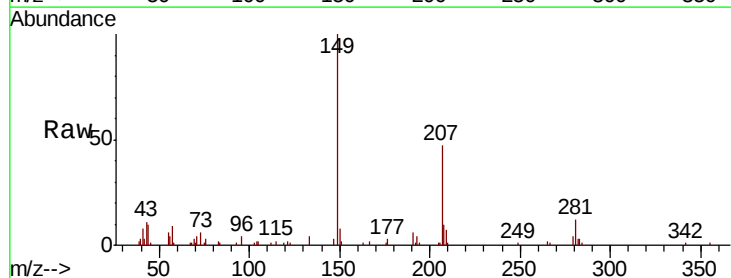
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Di-n-octyl phthalate
 Concen: 1.486 ng
 RT: 22.88 min Scan# 3334
 Delta R.T. -0.01 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.0	1.3	1.9#
43	11.9	8.7	13.1

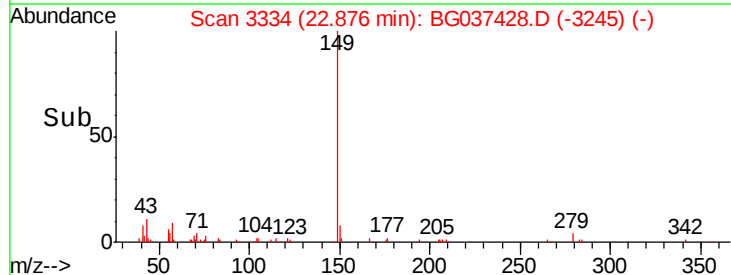
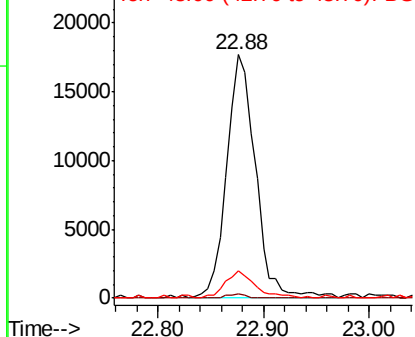


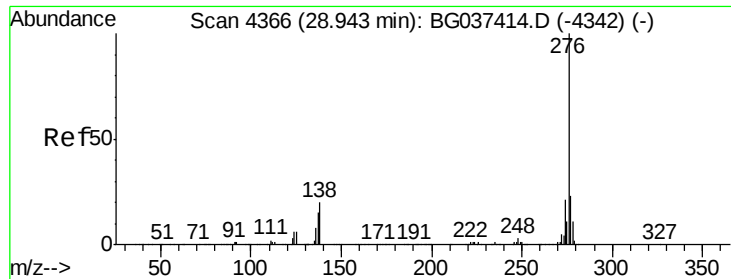
Abundance

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): BGC

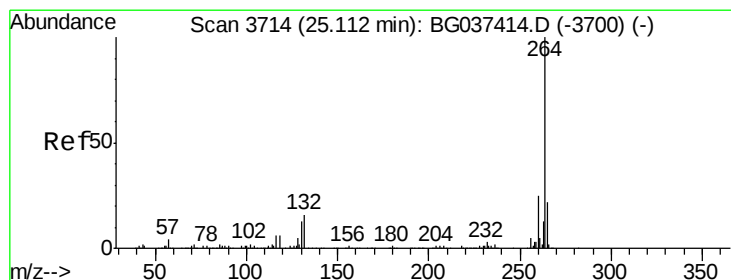
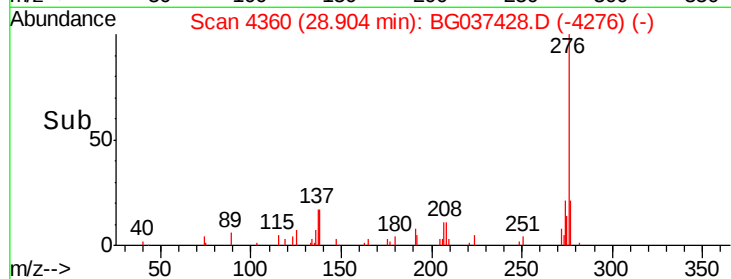
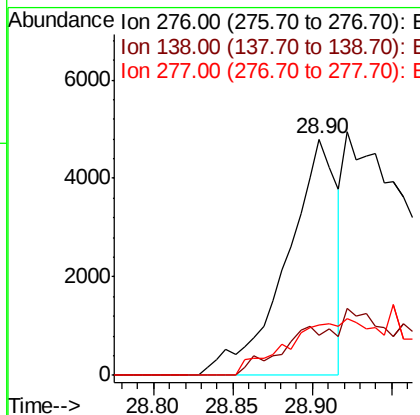
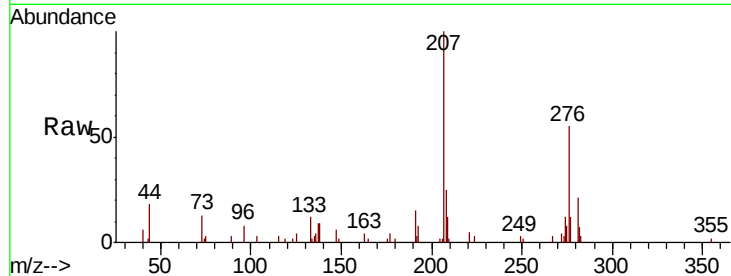




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.473 ng
 RT: 28.90 min Scan# 4360
 Delta R.T. -0.04 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

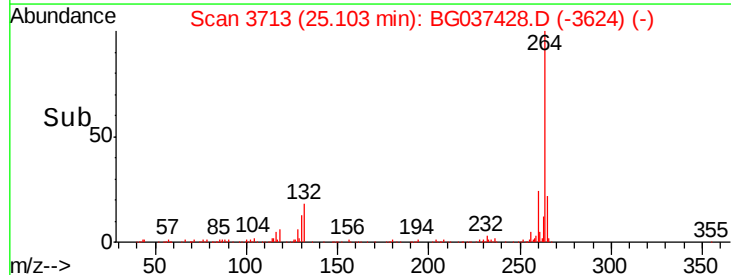
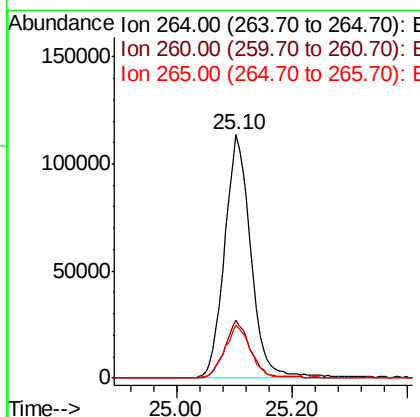
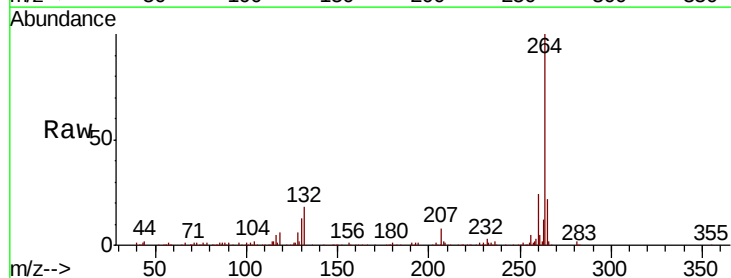
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

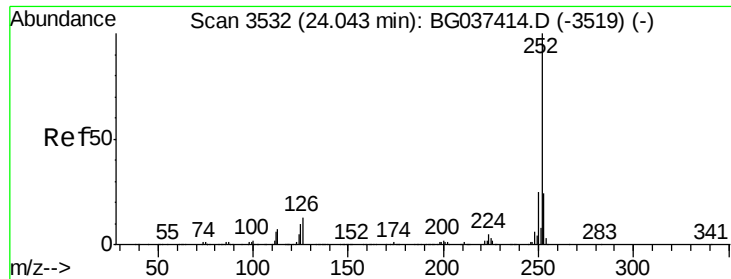
Tot Ion:276 Resp: 10615
 Ion Ratio Lower Upper
 276 100
 138 16.7 12.0 18.0
 277 0.0 20.6 30.8#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion:264 Resp: 357967
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.4
 265 21.9 17.9 26.9

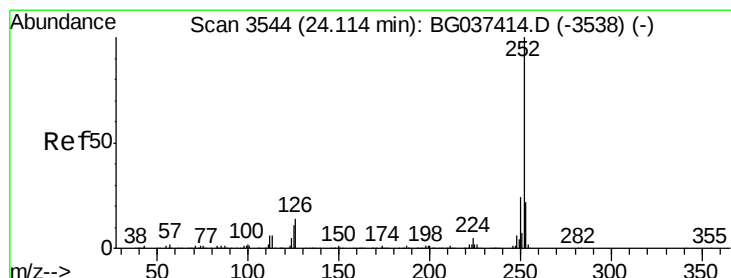
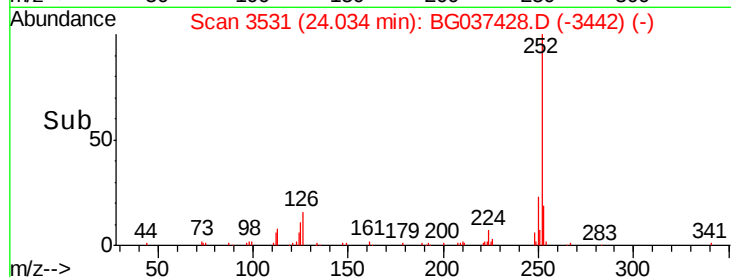
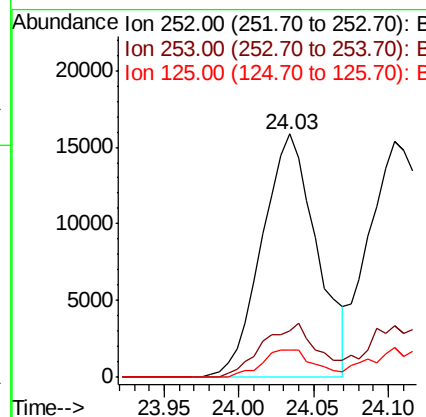
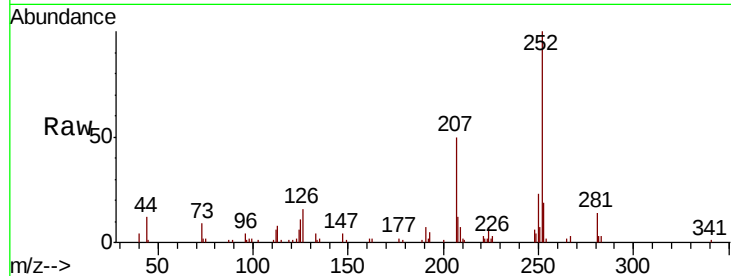




#88
Benzo(b)fluoranthene
Concen: 2.072 ng
RT: 24.03 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

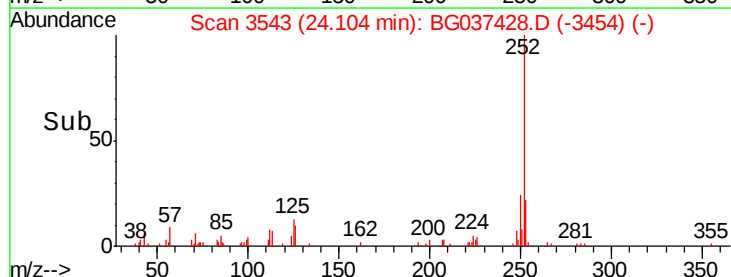
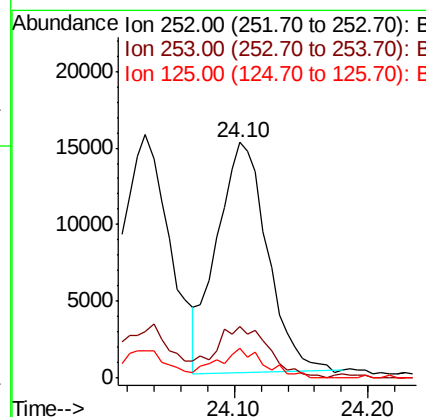
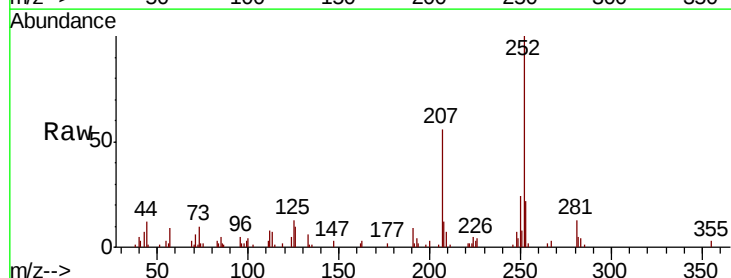
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

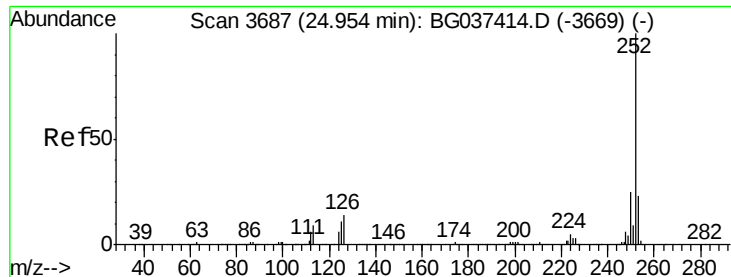
Tot Ion:252 Resp: 40661
Ion Ratio Lower Upper
252 100
253 18.9 18.2 27.2
125 11.4 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 2.061 ng
RT: 24.10 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:252 Resp: 39621
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 12.8 7.4 11.0#

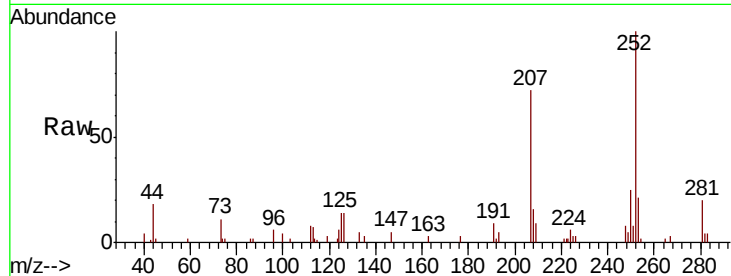




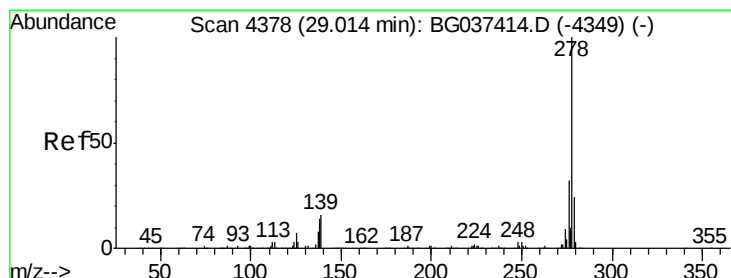
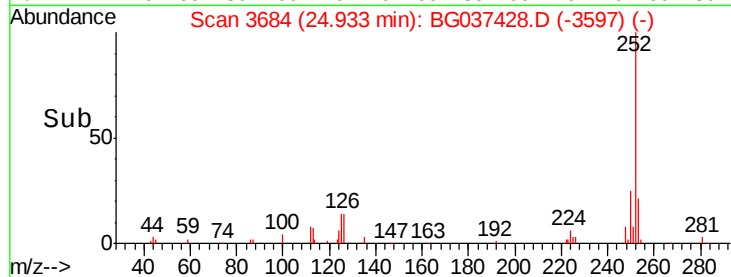
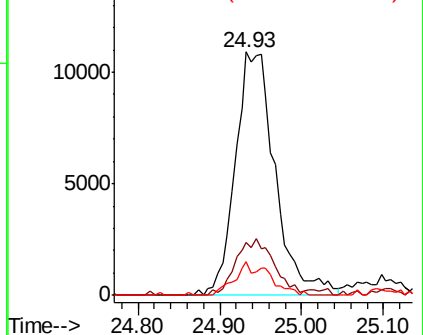
#90
Benzo(a)pyrene
Concen: 1.979 ng
RT: 24.93 min Scan# 3684
Delta R.T. -0.02 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:252 Resp: 36908
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 14.0 9.0 13.6#

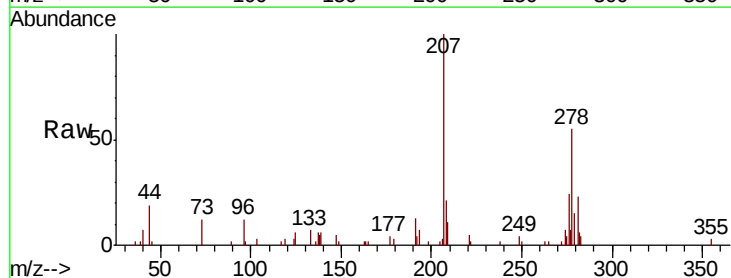


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

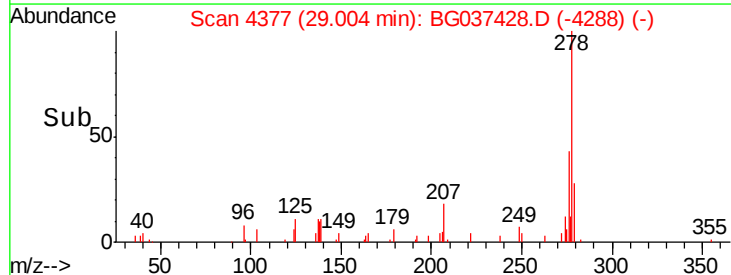
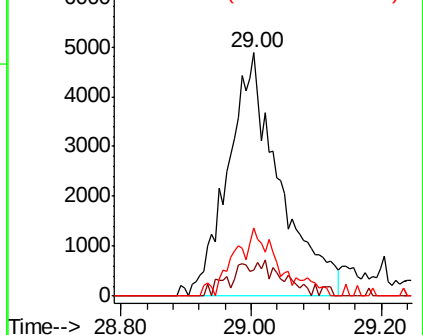


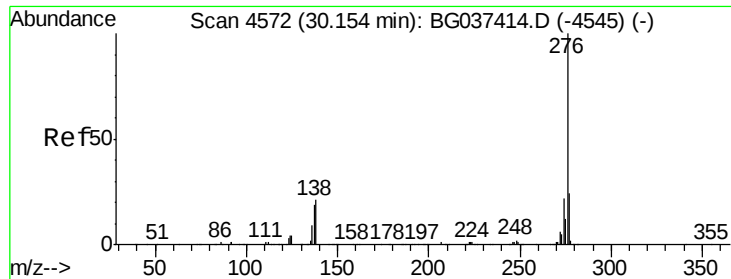
#91
Dibenzo(a,h)anthracene
Concen: 1.550 ng
RT: 29.00 min Scan# 4377
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:278 Resp: 26660
Ion Ratio Lower Upper
278 100
139 10.8 11.5 17.3#
279 27.9 18.6 27.8#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 0.764 ng
 RT: 30.10 min Scan# 4564
 Delta R.T. -0.05 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.9	18.9	28.3
138	18.3	17.2	25.8

