

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037430.D
 Acq On : 18 Oct 2018 21:52
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 8 PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 19 07:00:54 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	51206	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	236879	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	158212	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	392206	20.00	ng	0.00
76) Chrysene-d12	21.77	240	367333	20.00	ng	0.00
87) Perylene-d12	25.10	264	364929	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	437923	142.98	ng	0.00
7) Phenol-d6	7.25	99	638877	137.95	ng	0.00
23) Nitrobenzene-d5	9.28	82	349093	82.56	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	249009	144.30	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	855983	81.59	ng	0.00
79) Terphenyl-d14	20.09	244	1340083	77.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	13323	8.578	ng	# 78
3) Pyridine	3.95	79	29805	7.613	ng	95
4) n-Nitrosodimethylamine	3.86	42	12087	8.668	ng	# 96
6) Aniline	7.43	93	29865	5.286	ng	98
8) 2-Chlorophenol	7.67	128	28488	7.951	ng	95
9) Benzaldehyde	7.25	77	20488	7.072	ng	94
10) Phenol	7.27	94	37999	7.776	ng	90
11) bis(2-Chloroethyl)ether	7.52	93	29053	7.828	ng	90
12) 1,3-Dichlorobenzene	8.00	146	31929	8.004	ng	99
13) 1,4-Dichlorobenzene	8.15	146	30881	7.568	ng	93
14) 1,2-Dichlorobenzene	8.47	146	29240	7.450	ng	96
15) Benzyl Alcohol	8.34	79	25405	7.424	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.62	45	50653	7.628	ng	99
17) 2-Methylphenol	8.54	107	25611	7.928	ng	94
18) Hexachloroethane	9.20	117	10204	7.336	ng	88
19) n-Nitroso-di-n-propylamine	8.91	70	22640	7.099	ng	92
20) 3+4-Methylphenols	8.86	107	35996	7.793	ng	97
22) Acetophenone	8.94	105	46578	7.840	ng	# 94
24) Nitrobenzene	9.32	77	34471	7.847	ng	98
25) Isophorone	9.84	82	64673	8.371	ng	98
26) 2-Nitrophenol	10.04	139	12943	6.540	ng	# 88
27) 2,4-Dimethylphenol	10.07	122	30954	8.761	ng	95
28) bis(2-Chloroethoxy)methane	10.33	93	41330	8.165	ng	95
29) 2,4-Dichlorophenol	10.56	162	29317	7.452	ng	98
30) 1,2,4-Trichlorobenzene	10.79	180	32593	7.618	ng	94
31) Naphthalene	10.98	128	99059	8.514	ng	98
32) Benzoic acid	10.13	122	7385	3.218	ng	# 81
33) 4-Chloroaniline	11.09	127	28631	5.237	ng	96
34) Hexachlorobutadiene	11.24	225	19397	7.650	ng	94
35) Caprolactam	11.85	113	10792	6.840	ng	90
36) 4-Chloro-3-methylphenol	12.19	107	33707	7.597	ng	97
37) 2-Methylnaphthalene	12.58	142	75310	8.879	ng	99
38) 1-Methylnaphthalene	12.80	142	72561	8.810	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	38868	7.616	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	19039	7.810	ng	98
43) 2,4,6-Trichlorophenol	13.17	196	24100	7.069	ng	97
44) 2,4,5-Trichlorophenol	13.24	196	29758	8.017	ng	98
46) 1,1'-Biphenyl	13.58	154	97781	7.463	ng	98
47) 2-Chloronaphthalene	13.62	162	77527	7.821	ng	96
48) 2-Nitroaniline	13.82	65	21670	7.209	ng	92
49) Acenaphthylene	14.46	152	131323	8.807	ng	97
50) Dimethylphthalate	14.19	163	102601	8.383	ng	99
51) 2,6-Dinitrotoluene	14.31	165	20344	7.514	ng	100
52) Acenaphthene	14.80	154	75856	8.260	ng	97
53) 3-Nitroaniline	14.65	138	18915	6.293	ng #	96
54) 2,4-Dinitrophenol	14.85	184	1229	8.069	ng	95
55) Dibenzofuran	15.13	168	127925	8.408	ng	95
56) 4-Nitrophenol	14.93	139	12873	5.786	ng	82
57) 2,4-Dinitrotoluene	15.10	165	27137	7.635	ng #	96
58) Fluorene	15.79	166	103438	9.078	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.35	232	23228	7.308	ng	94
60) Diethylphthalate	15.54	149	104043	8.280	ng	100
61) 4-Chlorophenyl-phenylether	15.77	204	52990	7.979	ng	94
62) 4-Nitroaniline	15.80	138	21119	7.071	ng	92
63) Azobenzene	16.07	77	101720	8.484	ng	98
65) 4,6-Dinitro-2-methylphenol	15.86	198	5726	10.797	ng	90
66) n-Nitrosodiphenylamine	15.99	169	92918	7.876	ng	94
67) 4-Bromophenyl-phenylether	16.67	248	32039	7.439	ng	97
68) Hexachlorobenzene	16.78	284	33140	7.424	ng	96
69) Atrazine	16.93	200	31704	7.433	ng	95
70) Pentachlorophenol	17.12	266	10856	3.631	ng	93
71) Phenanthrene	17.53	178	173908	8.725	ng	96
72) Anthracene	17.62	178	175954	8.995	ng	97
73) Carbazole	17.89	167	156795	8.013	ng	100
74) Di-n-butylphthalate	18.43	149	174880	8.034	ng	99
75) Fluoranthene	19.53	202	201569	8.916	ng	99
77) Benzidine	19.72	184	21811	1.746	ng	100
78) Pyrene	19.89	202	207114	8.625	ng	95
80) Butylbenzylphthalate	20.77	149	71315	7.257	ng	95
81) Benzo(a)anthracene	21.75	228	188718	8.686	ng	99
82) 3,3'-Dichlorobenzidine	21.66	252	42606	5.059	ng	95
83) Chrysene	21.81	228	177908	8.515	ng	98
84) Bis(2-ethylhexyl)phthalate	21.63	149	103132	7.487	ng	98
85) Di-n-octyl phthalate	22.88	149	164318	7.315	ng	99
86) Indeno(1,2,3-cd)pyrene	28.92	276	157862	7.045	ng	99
88) Benzo(b)fluoranthene	24.04	252	165939	8.294	ng	97
89) Benzo(k)fluoranthene	24.10	252	174756	8.916	ng	98
90) Benzo(a)pyrene	24.94	252	162831	8.565	ng	98
91) Dibenzo(a,h)anthracene	29.00	278	130759	7.456	ng #	95
92) Benzo(g,h,i)perylene	30.12	276	137591	7.755	ng	98

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

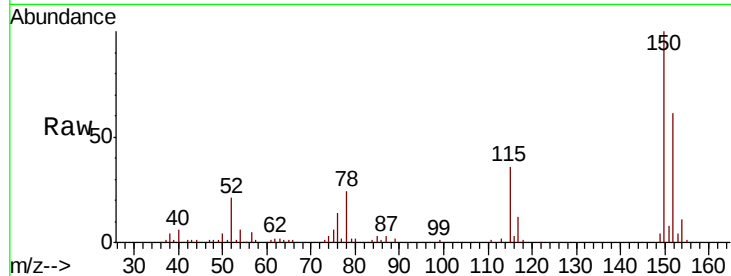


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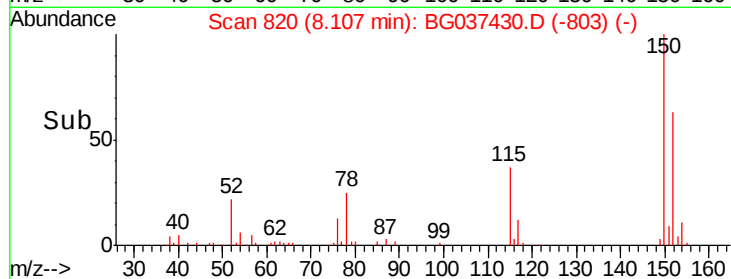
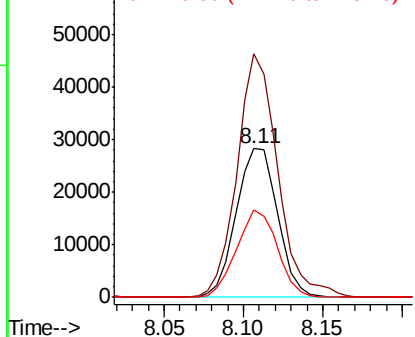
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion:152 Resp: 51206
Ion Ratio Lower Upper
152 100
150 164.0 126.0 189.0
115 58.5 45.5 68.3



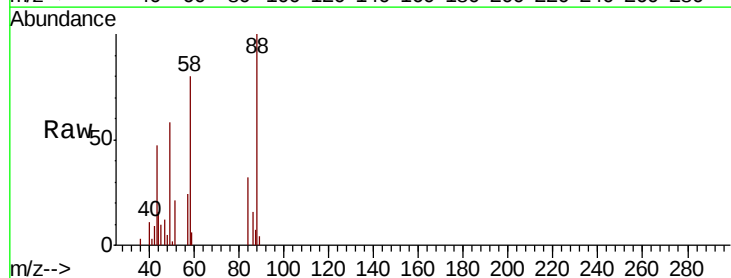
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



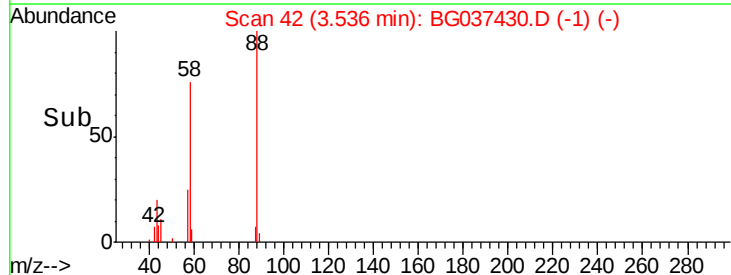
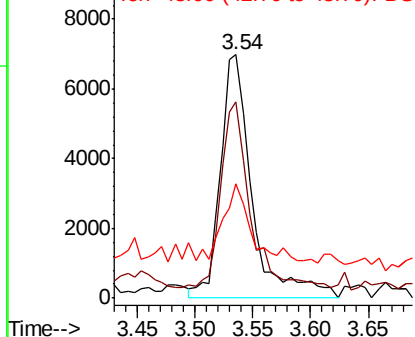
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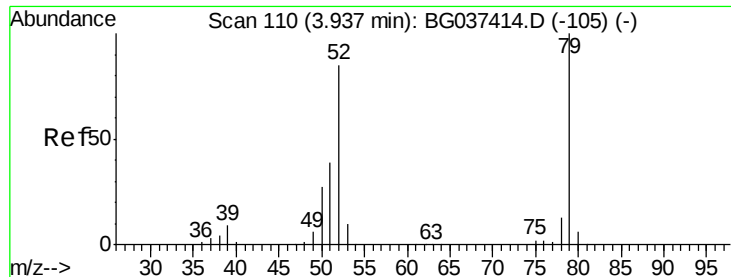
1,4-Dioxane
Concen: 8.578 ng
RT: 3.54 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion: 88 Resp: 13323
Ion Ratio Lower Upper
88 100
58 69.2 74.4 111.6#
43 24.8 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: 7.613 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

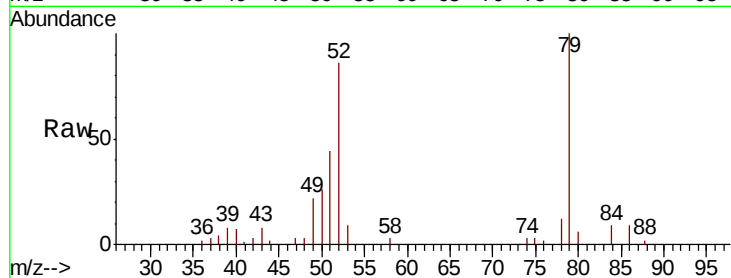
Tot Ion: 79 Resp: 29805

Ion Ratio Lower Upper

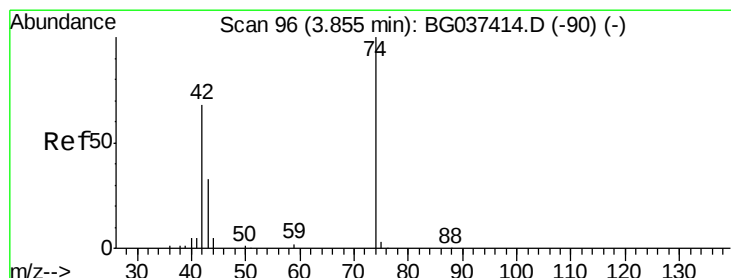
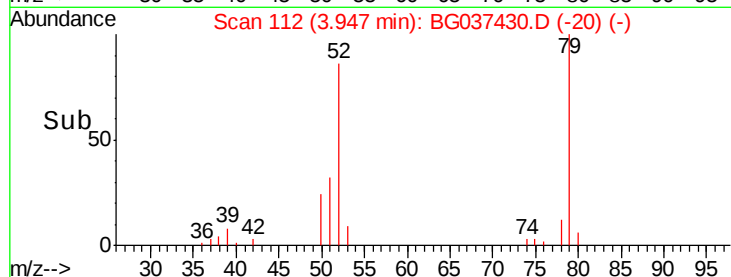
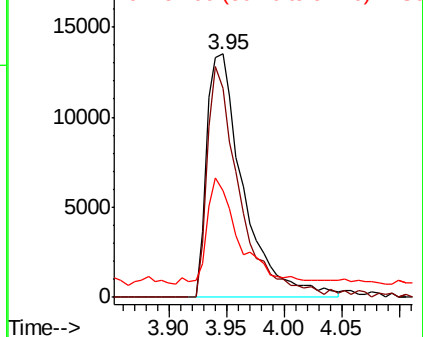
79 100

52 86.0 74.2 111.2

51 43.8 34.6 51.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 8.668 ng

RT: 3.86 min Scan# 97

Delta R.T. 0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

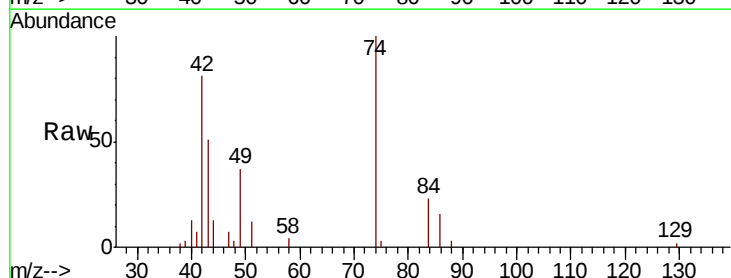
Tgt Ion: 42 Resp: 12087

Ion Ratio Lower Upper

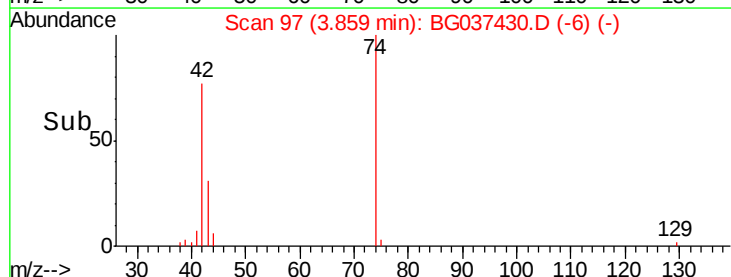
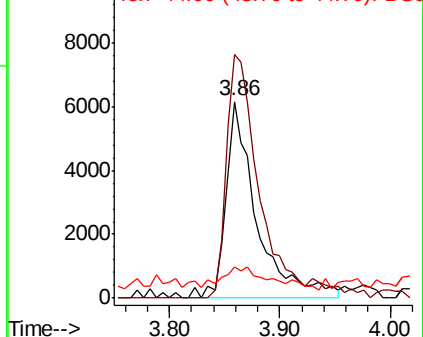
42 100

74 123.7 102.0 153.0

44 15.6 9.6 14.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 142.980 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

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ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

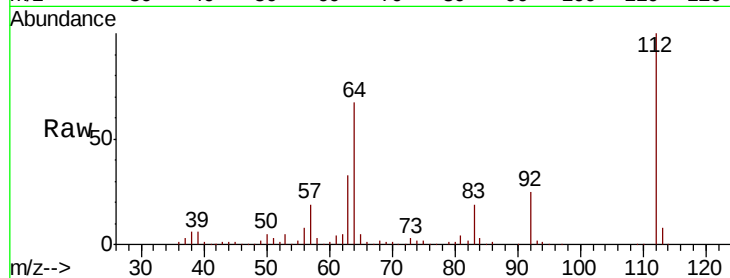
Tot Ion:112 Resp: 437923

Ion Ratio Lower Upper

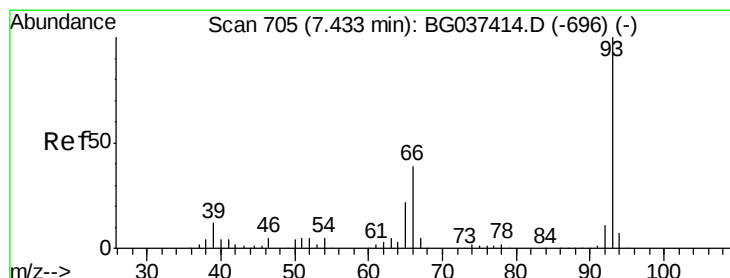
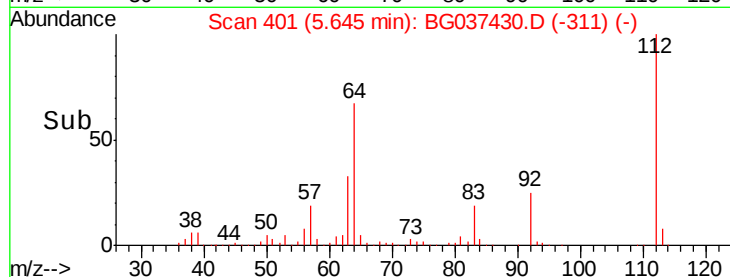
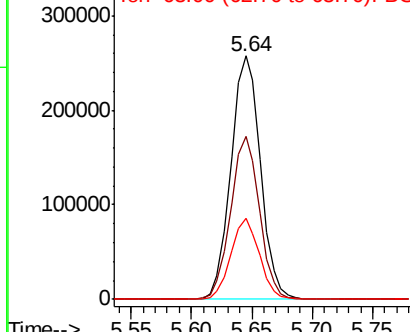
112 100

64 66.8 53.1 79.7

63 33.2 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 5.286 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

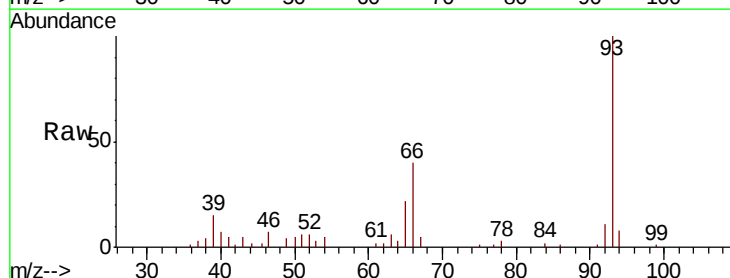
Tgt Ion: 93 Resp: 29865

Ion Ratio Lower Upper

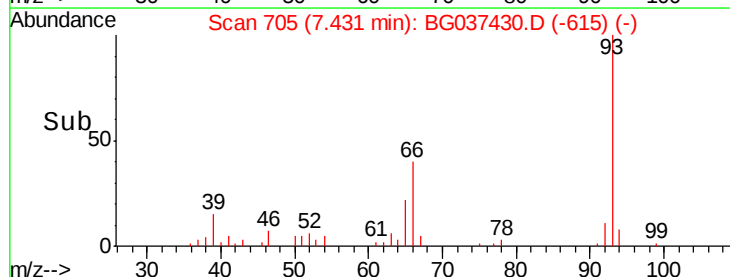
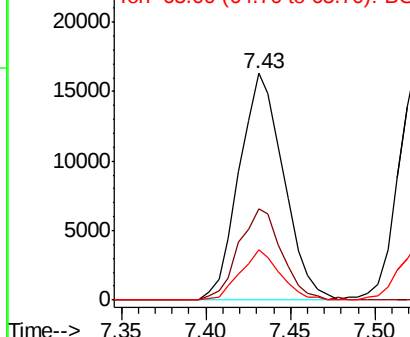
93 100

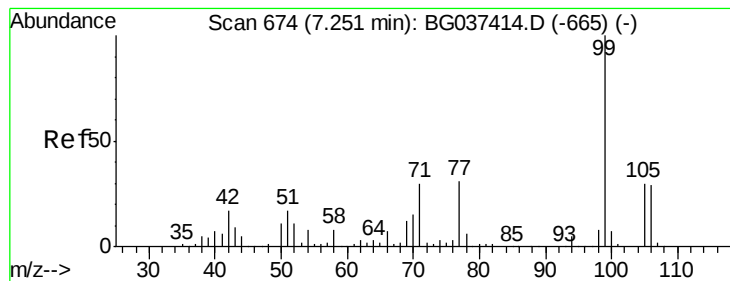
66 40.3 32.8 49.2

65 22.0 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: 137.945 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

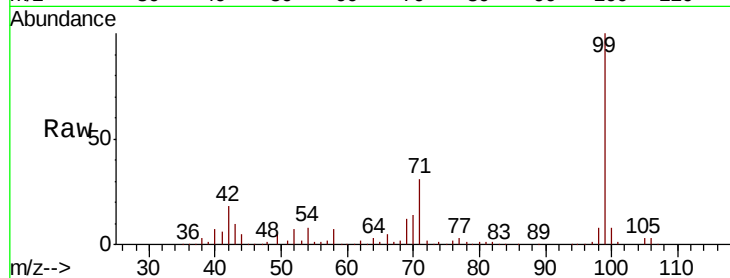
Tot Ion: 99 Resp: 638877

Ion Ratio Lower Upper

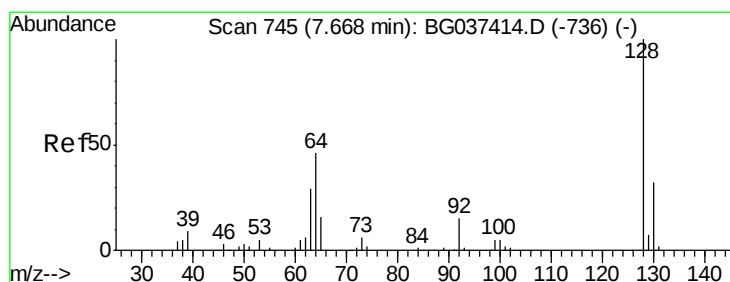
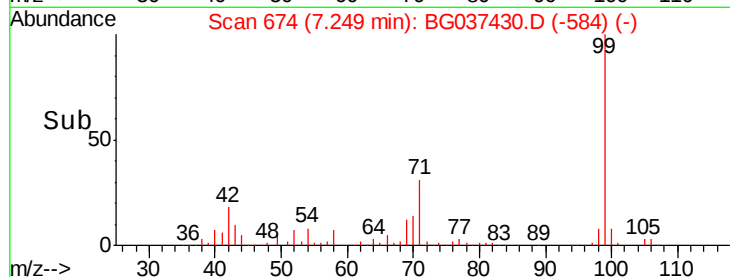
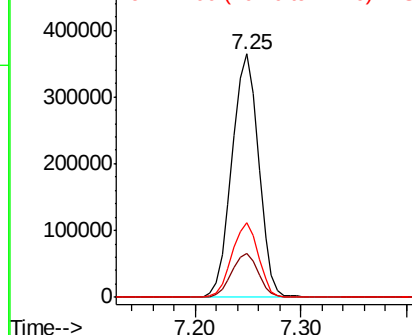
99 100

42 18.0 15.0 22.4

71 30.8 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: 7.951 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

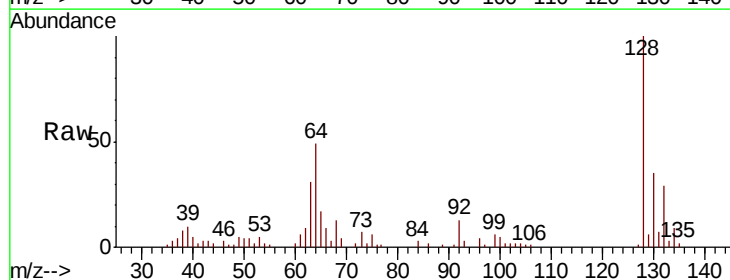
Tgt Ion: 128 Resp: 28488

Ion Ratio Lower Upper

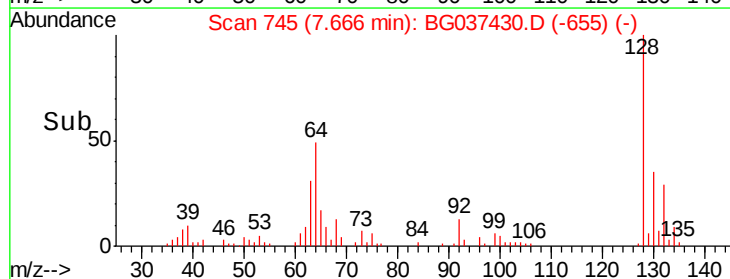
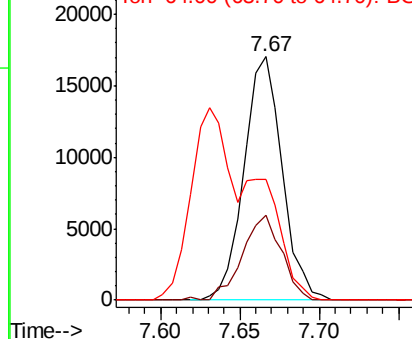
128 100

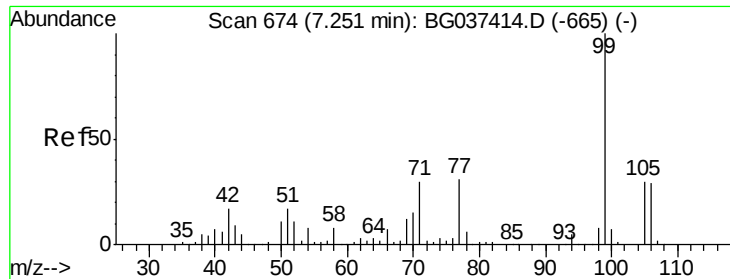
130 35.1 12.0 52.0

64 49.4 32.9 72.9



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

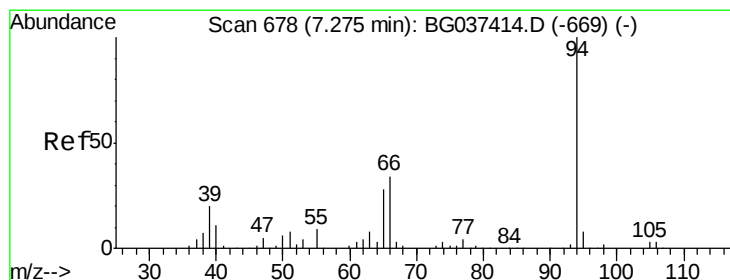
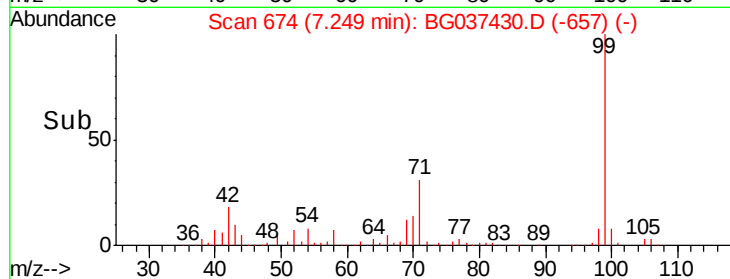
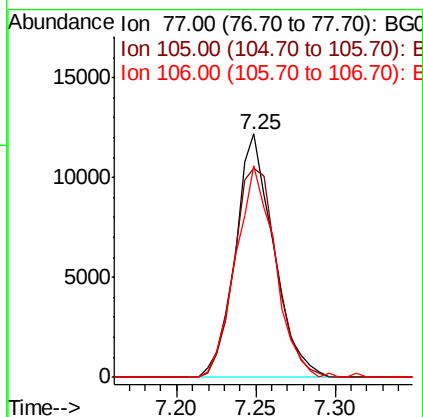
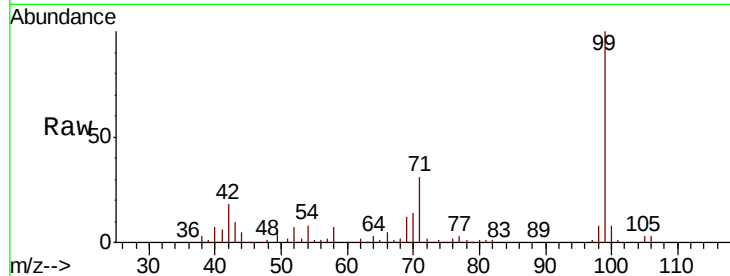




#9
Benzaldehyde
Concen: 7.072 ng
RT: 7.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

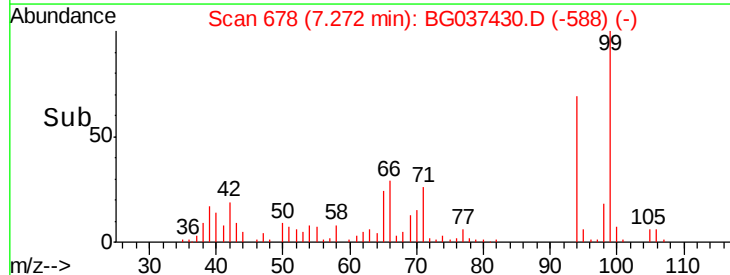
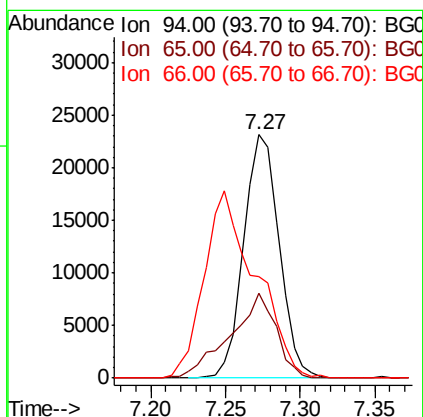
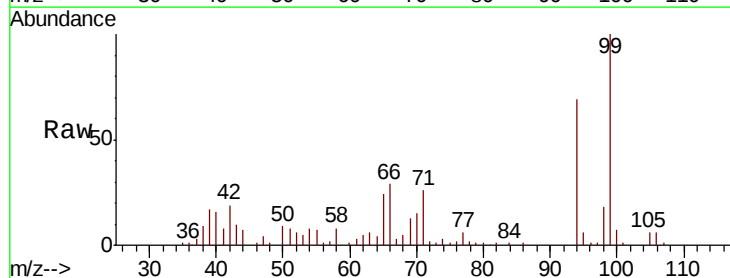
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 77 Resp: 20488
Ion Ratio Lower Upper
77 100
105 85.9 72.6 112.6
106 87.2 71.3 111.3



#10
Phenol
Concen: 7.776 ng
RT: 7.27 min Scan# 678
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion: 94 Resp: 37999
Ion Ratio Lower Upper
94 100
65 34.8 9.7 49.7
66 41.6 15.9 55.9

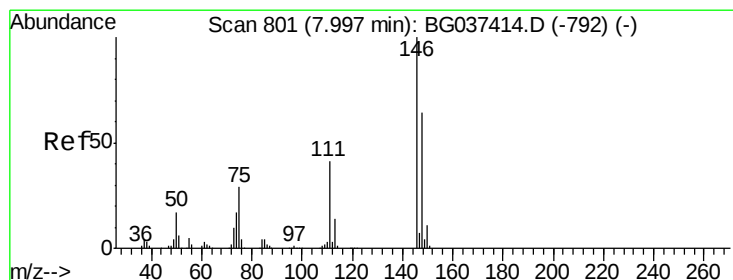
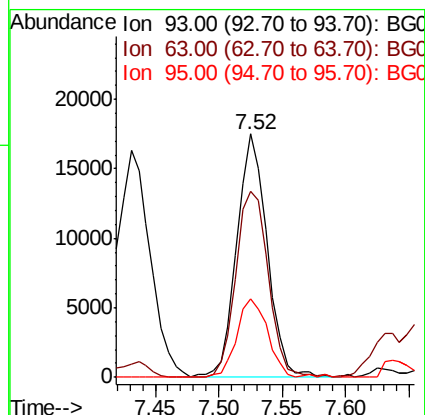
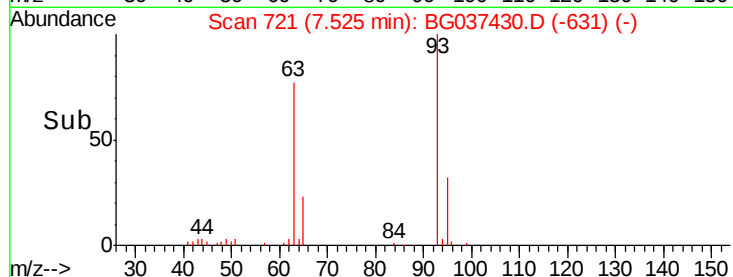
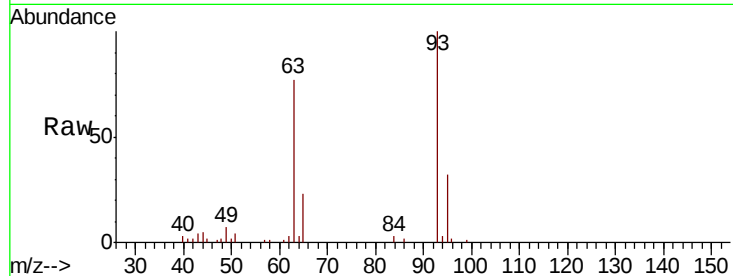




#11
bis(2-Chloroethyl)ether
Concen: 7.828 ng
RT: 7.52 min Scan# 721
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

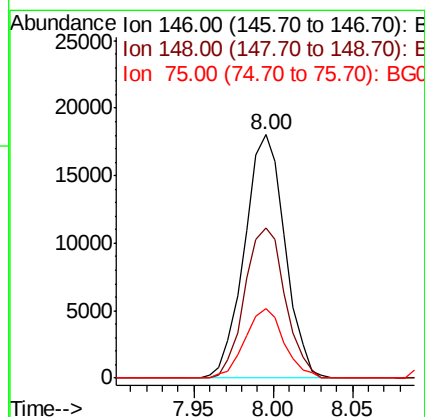
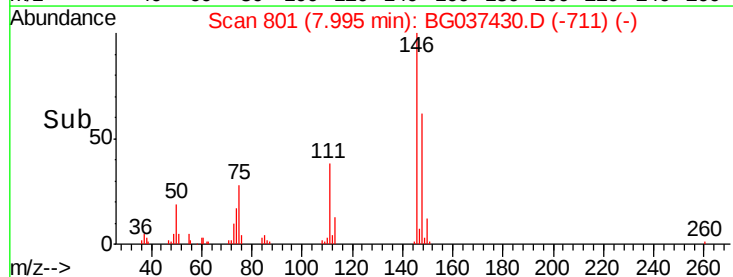
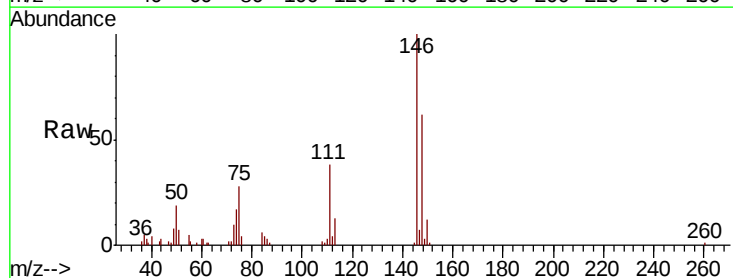
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

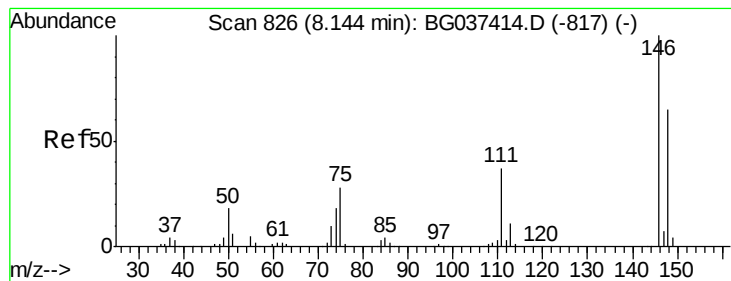
Tot Ion: 93 Resp: 29053
Ion Ratio Lower Upper
93 100
63 76.7 69.5 109.5
95 32.3 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 8.004 ng
RT: 8.00 min Scan# 801
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion: 146 Resp: 31929
Ion Ratio Lower Upper
146 100
148 61.8 49.8 74.8
75 28.5 23.2 34.8





#13

1,4-Dichlorobenzene

Concen: 7.568 ng

RT: 8.15 min Scan# 827

Delta R.T. 0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

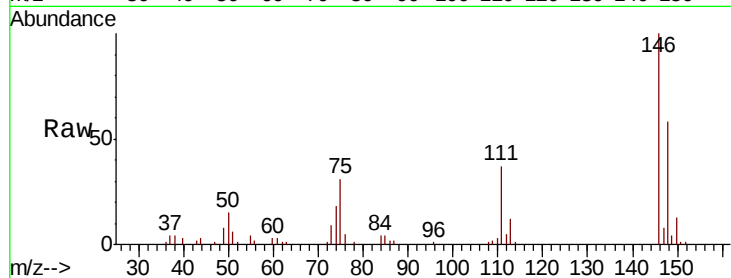
Tot Ion:146 Resp: 30881

Ion Ratio Lower Upper

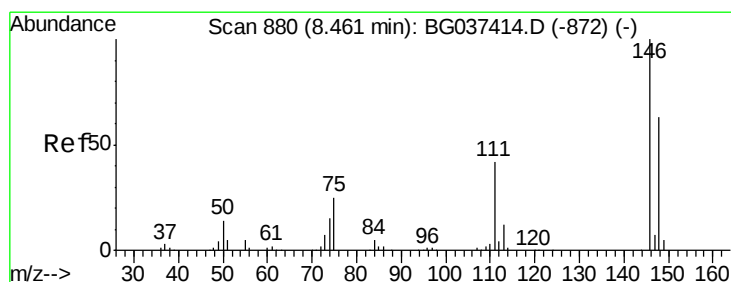
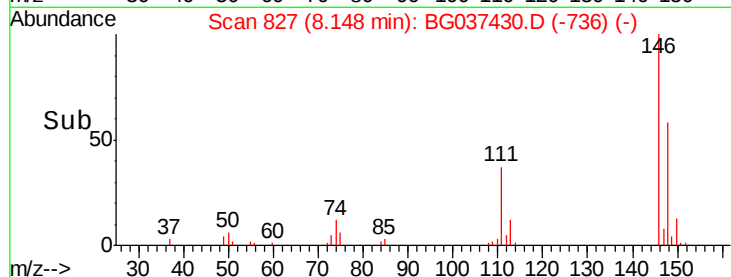
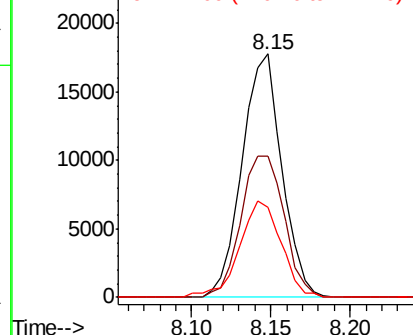
146 100

148 57.8 51.0 76.6

111 36.7 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: 7.450 ng

RT: 8.47 min Scan# 881

Delta R.T. 0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

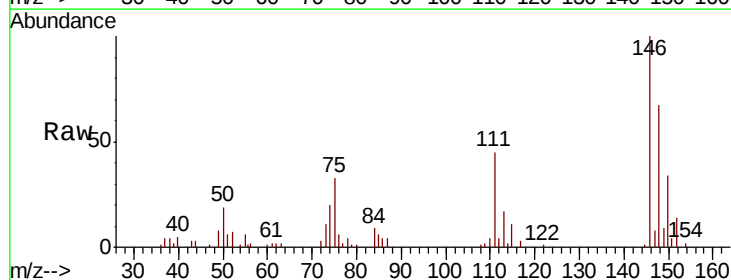
Tgt Ion:146 Resp: 29240

Ion Ratio Lower Upper

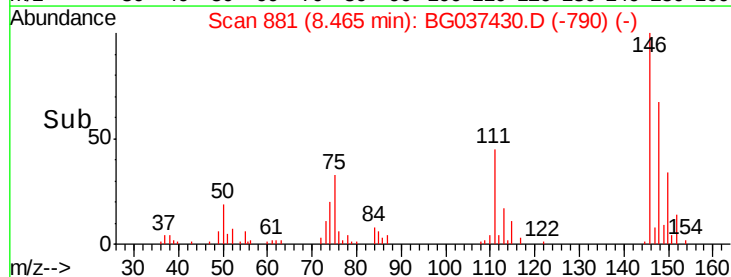
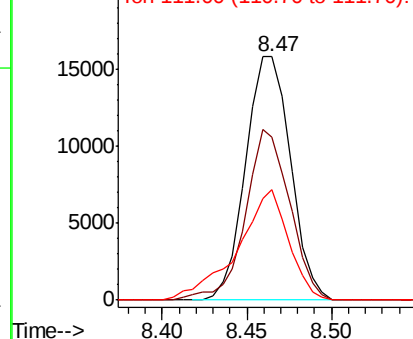
146 100

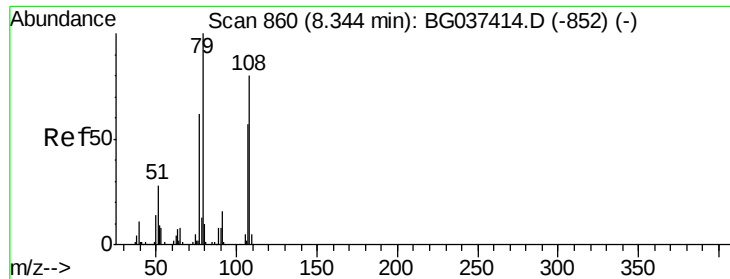
148 67.0 50.4 75.6

111 45.1 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: 7.424 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

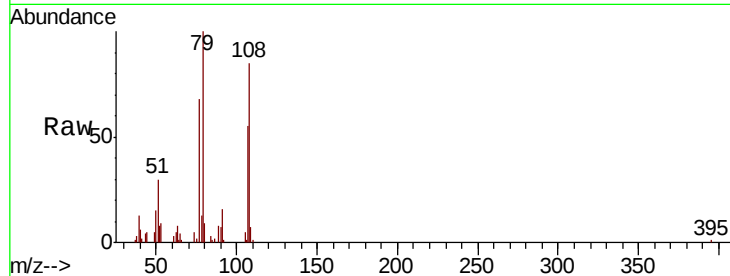
Tot Ion: 79 Resp: 25405

Ion Ratio Lower Upper

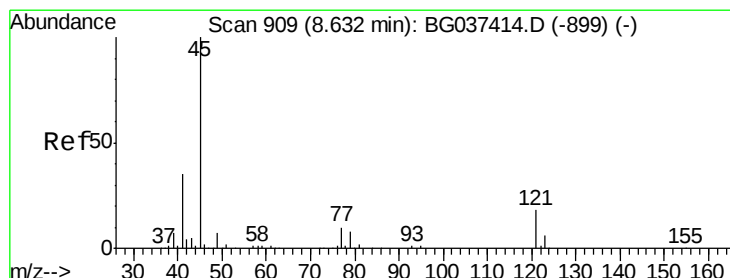
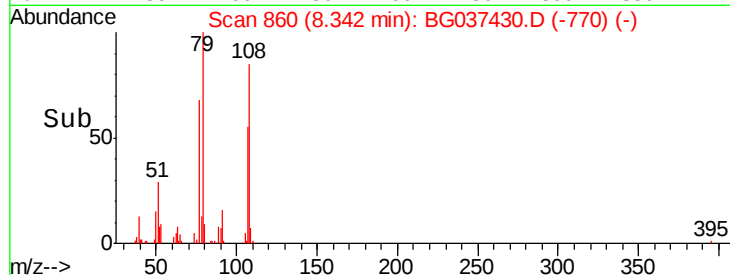
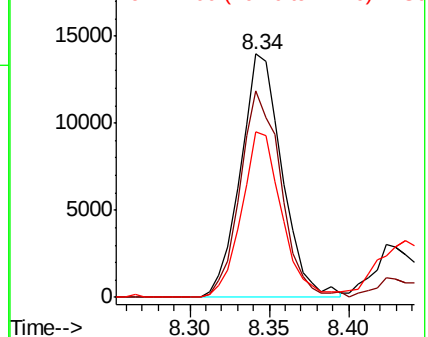
79 100

108 84.8 65.8 98.8

77 68.1 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: 7.628 ng

RT: 8.62 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

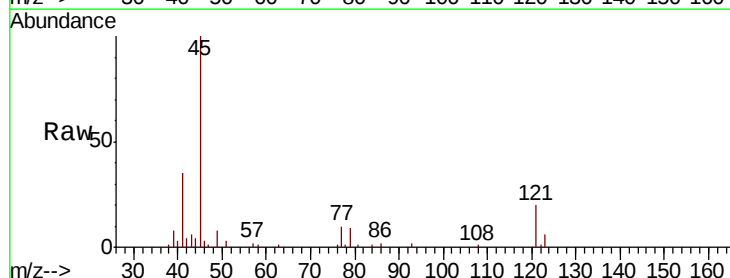
Tgt Ion: 45 Resp: 50653

Ion Ratio Lower Upper

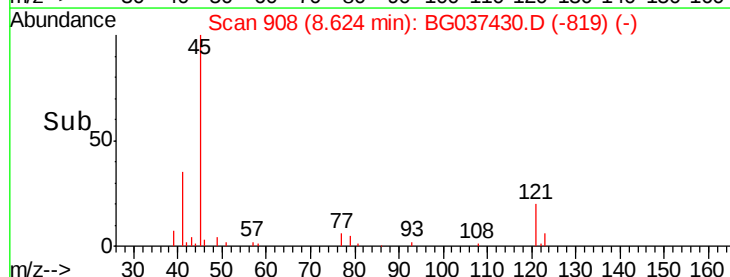
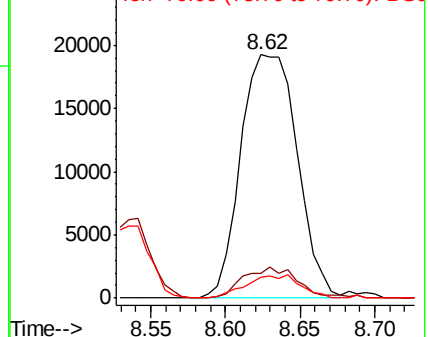
45 100

77 10.4 0.0 30.0

79 8.7 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

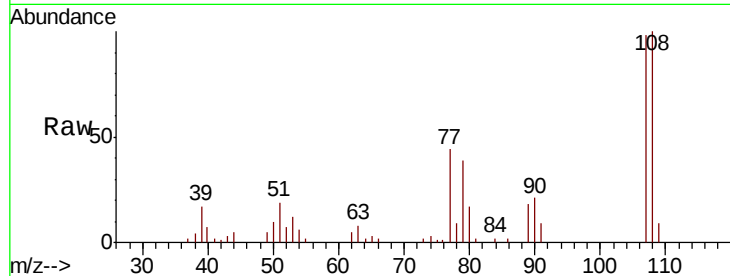




#17
2-Methylphenol
Concen: 7.928 ng
RT: 8.54 min Scan# 894
Delta R.T. 0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion:	107	Resp:	25611
Ion	Ratio	Lower	Upper
107	100		
108	101.7	87.9	131.9
77	44.4	35.1	52.7
79	40.1	34.5	51.7



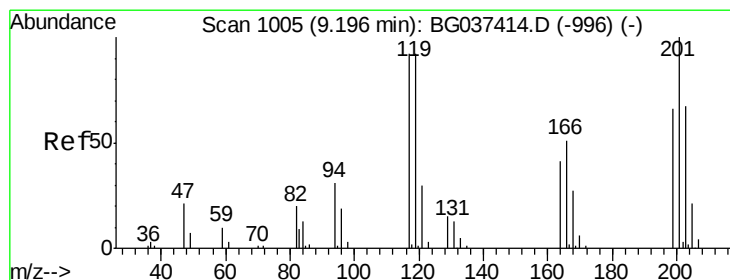
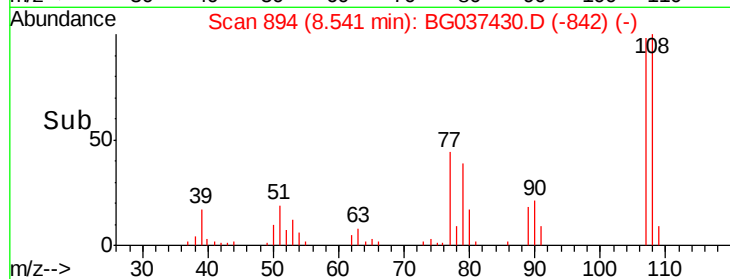
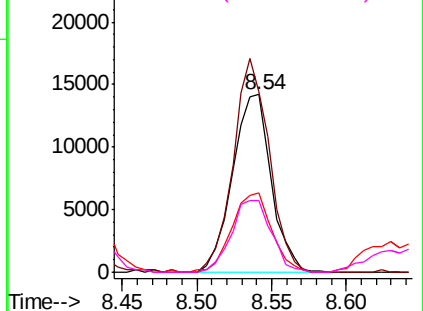
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

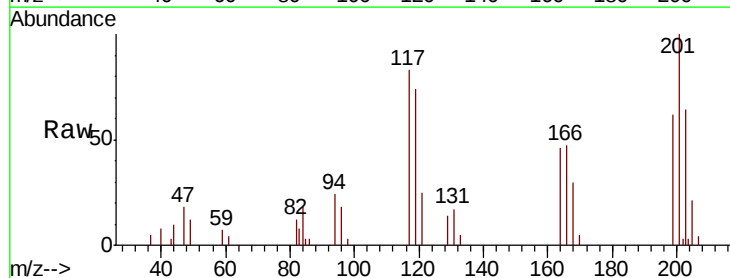
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18
Hexachloroethane
Concen: 7.336 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:	117	Resp:	10204
Ion	Ratio	Lower	Upper
117	100		
119	90.0	74.6	111.8
201	120.9	80.8	121.2

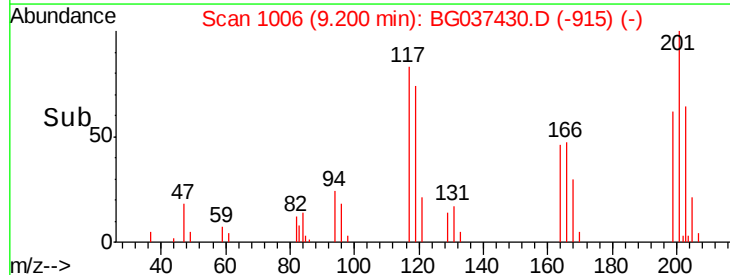
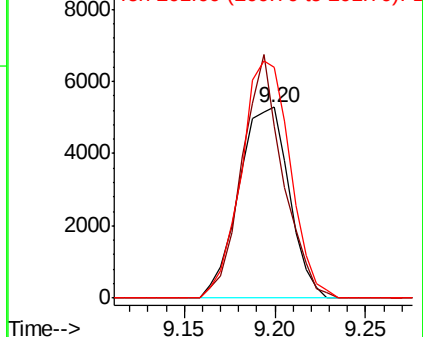


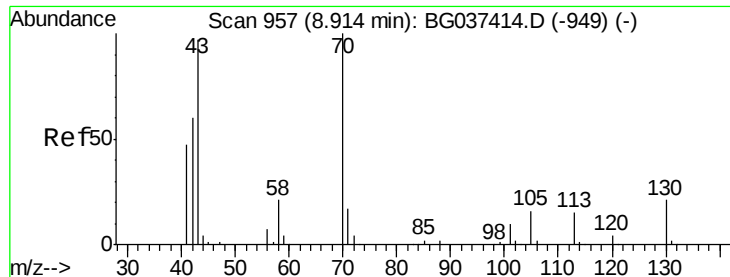
Abundance

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: 7.099 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 70 Resp: 22640

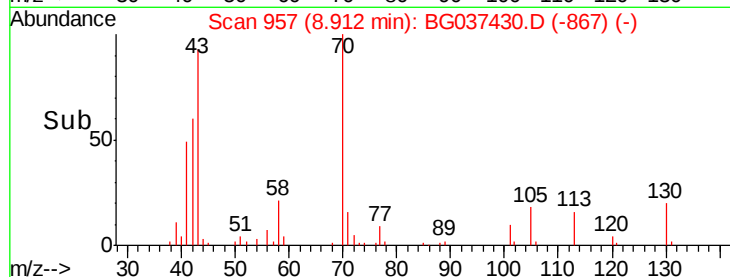
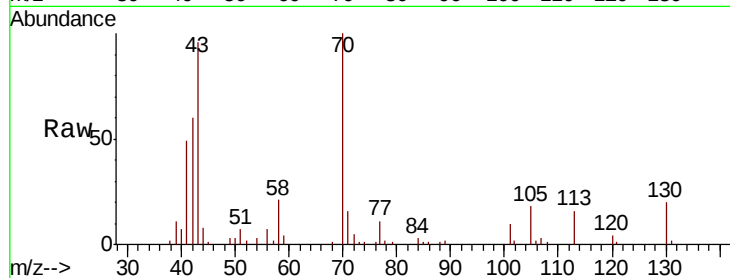
Ion Ratio Lower Upper

70 100

42 60.1 53.9 80.9

101 9.9 8.2 12.2

130 20.0 18.2 27.4

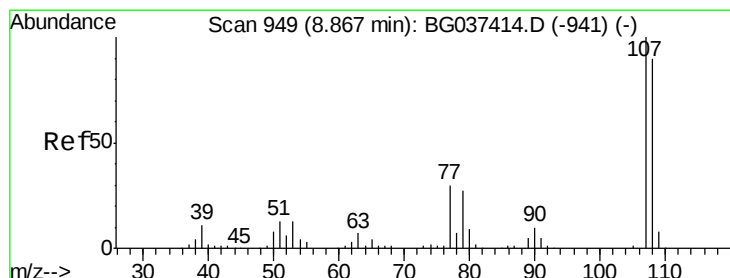
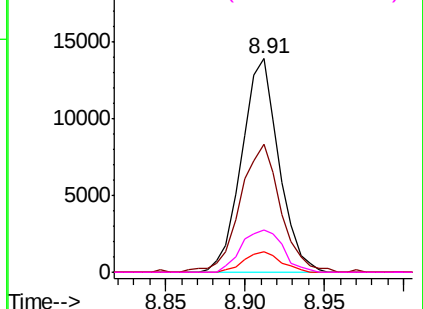


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 7.793 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Tgt Ion: 107 Resp: 35996

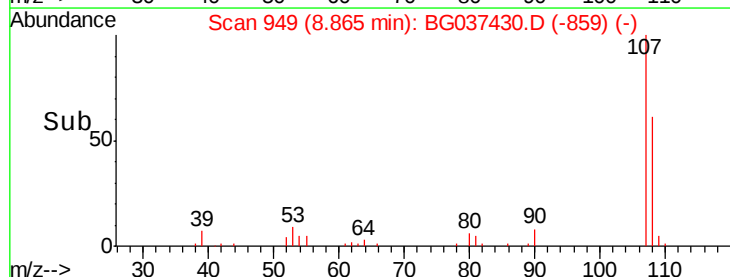
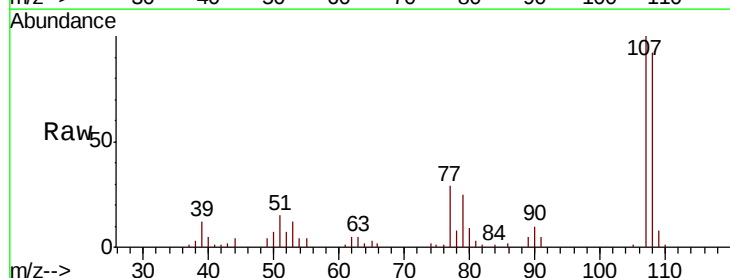
Ion Ratio Lower Upper

107 100

108 91.9 69.9 109.9

77 29.4 11.2 51.2

79 25.0 6.6 46.6

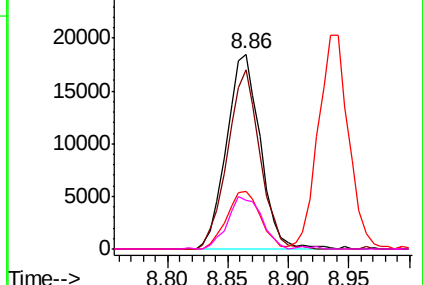


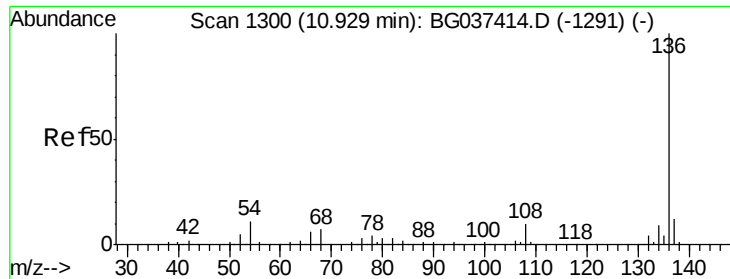
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

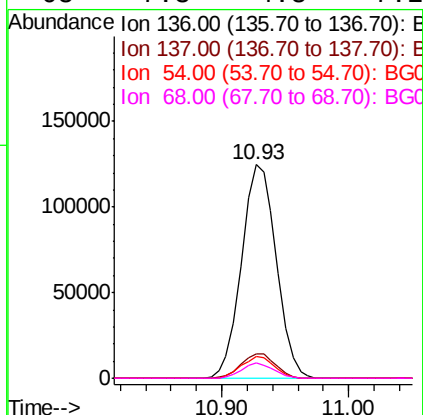
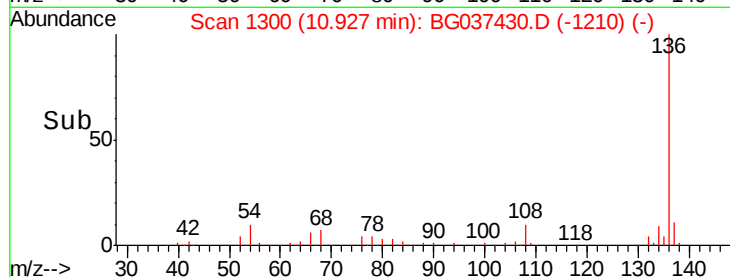
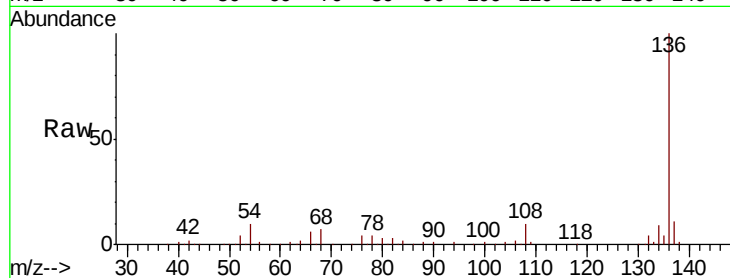




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

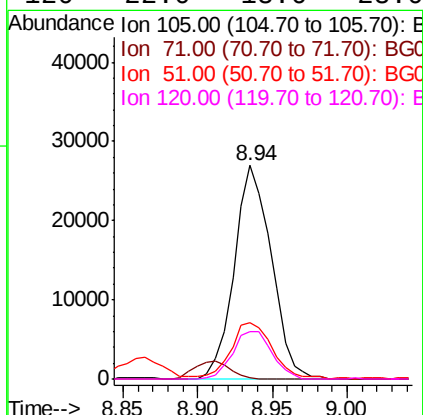
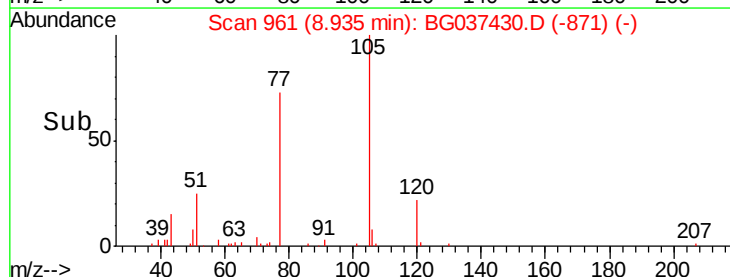
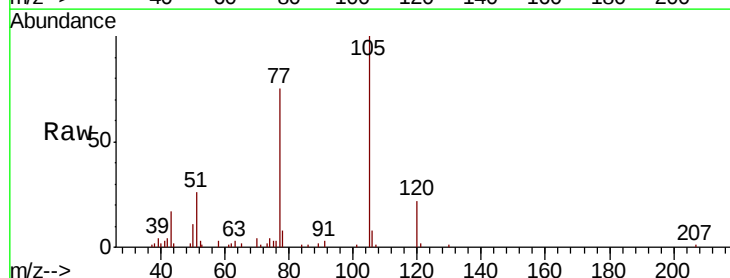
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:136	Resp:	236879
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.6 14.4
54	10.3	7.9 11.9
68	7.3	4.8 7.2#



#22
Acetophenone
Concen: 7.840 ng
RT: 8.94 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:105	Resp:	46578
Ion	Ratio	Lower Upper
105	100	
71	0.7	1.2 1.8#
51	26.1	25.0 37.6
120	22.0	18.6 28.0

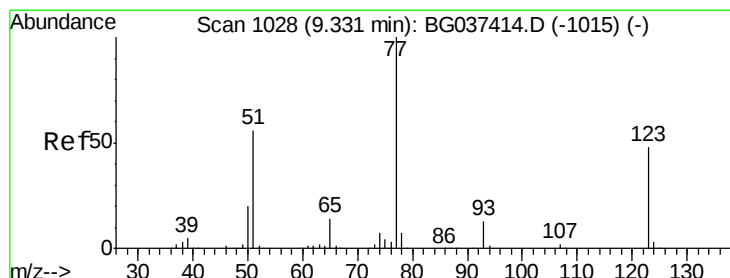
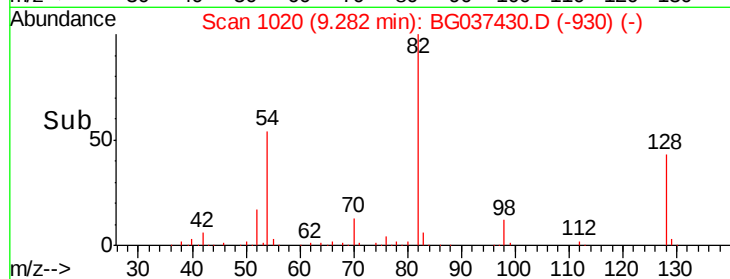
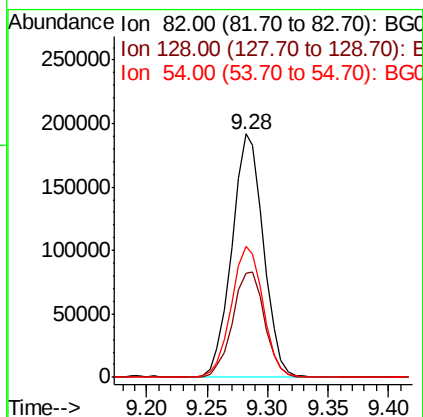
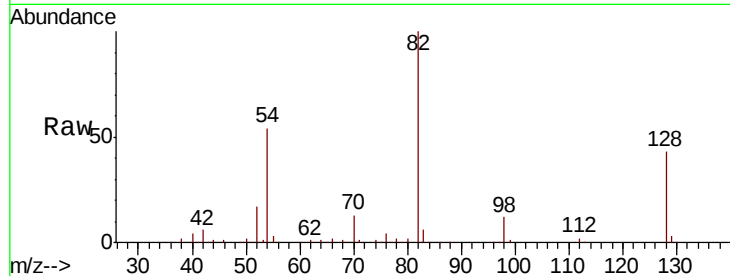




#23
Nitrobenzene-d5
Concen: 82.556 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

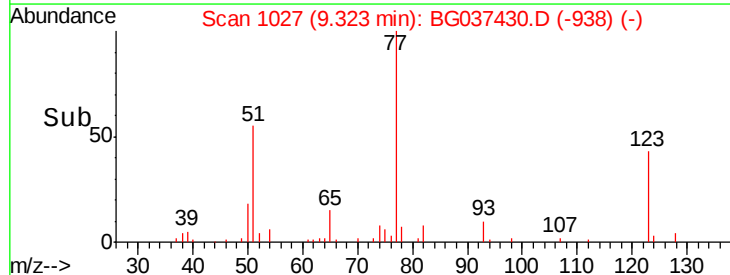
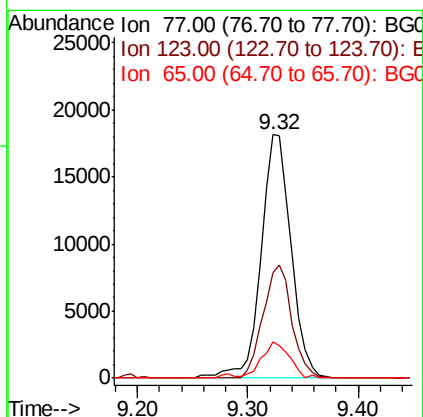
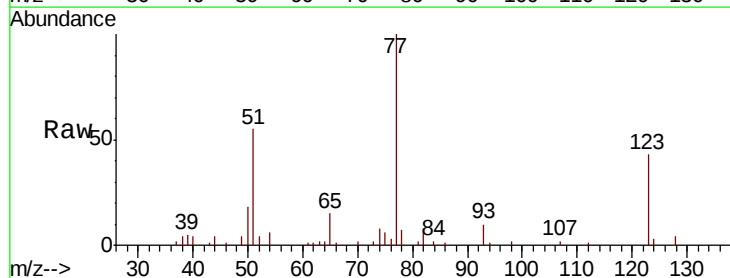
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion	82	Resp	349093
Ion Ratio	100	Lower	Upper
128	42.9	34.6	51.8
54	53.9	45.3	67.9



#24
Nitrobenzene
Concen: 7.847 ng
RT: 9.32 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion	77	Resp	34471
Ion Ratio	100	Lower	Upper
123	43.4	33.6	50.4
65	15.1	11.3	16.9

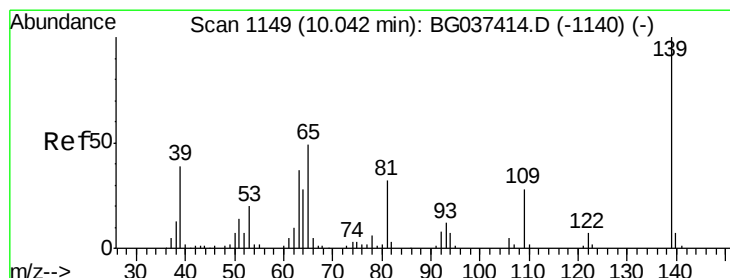
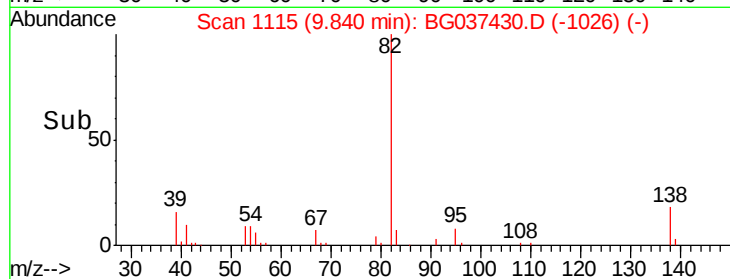
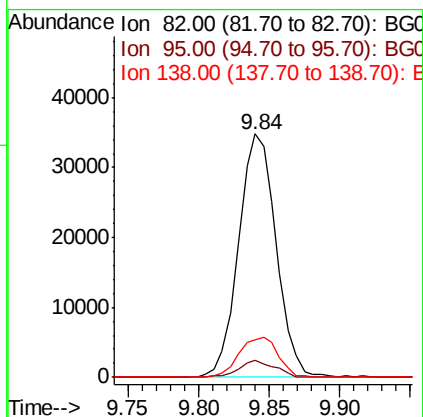
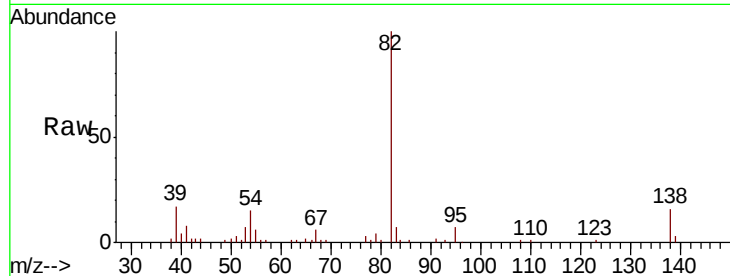




#25
Isophorone
Concen: 8.371 ng
RT: 9.84 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

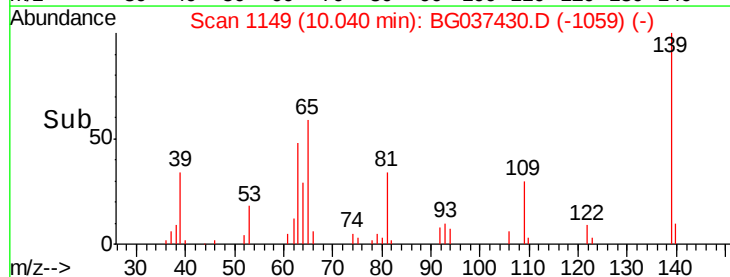
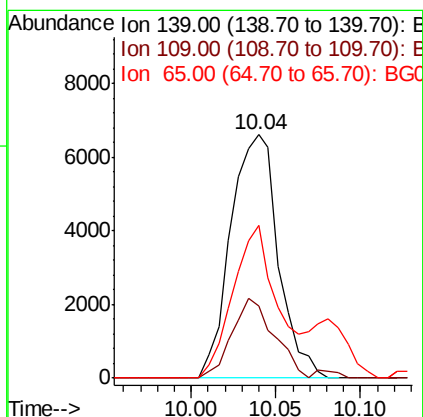
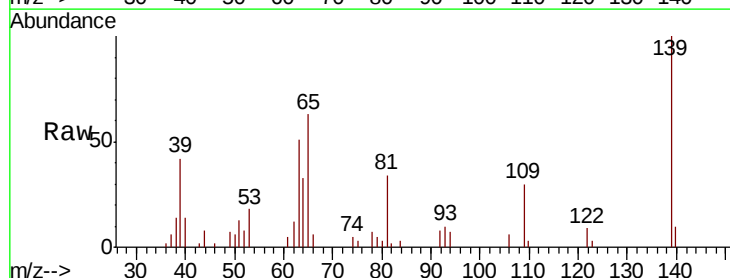
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

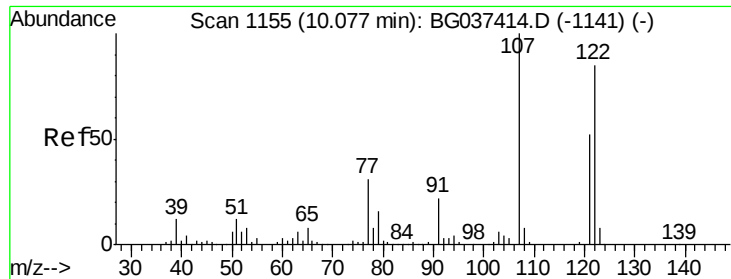
Tot Ion: 82 Resp: 64673
Ion Ratio Lower Upper
82 100
95 6.8 5.3 7.9
138 15.6 13.3 19.9



#26
2-Nitrophenol
Concen: 6.540 ng
RT: 10.04 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion: 139 Resp: 12943
Ion Ratio Lower Upper
139 100
109 29.5 23.3 34.9
65 62.8 39.8 59.8#

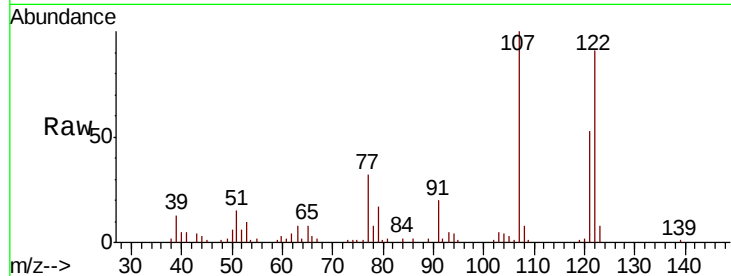




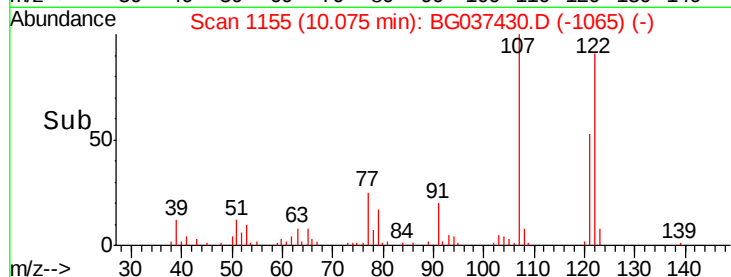
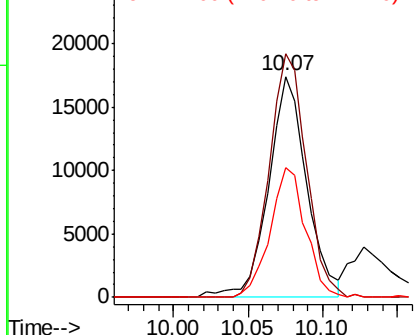
#27
 2,4-Dimethylphenol
 Concen: 8.761 ng
 RT: 10.07 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

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

Tot Ion:122 Resp: 30954
 Ion Ratio Lower Upper
 122 100
 107 110.1 94.2 141.2
 121 58.6 47.3 70.9

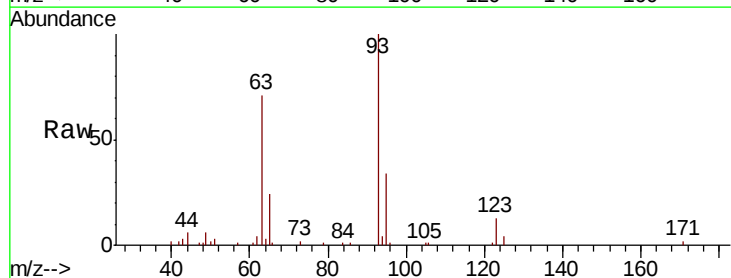


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

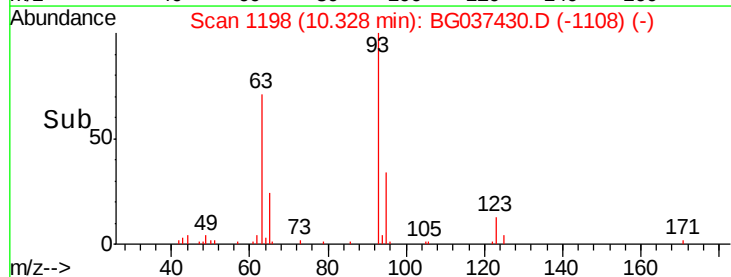
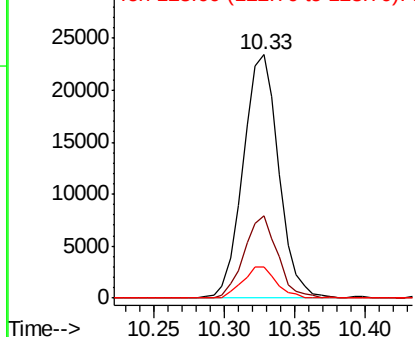


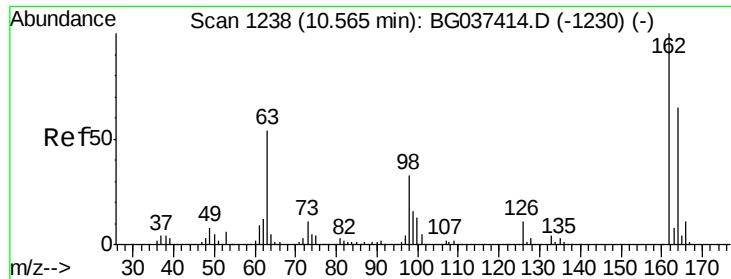
#28
 bis(2-Chloroethoxy)methane
 Concen: 8.165 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

Tgt Ion: 93 Resp: 41330
 Ion Ratio Lower Upper
 93 100
 95 33.8 24.6 37.0
 123 12.7 9.1 13.7



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

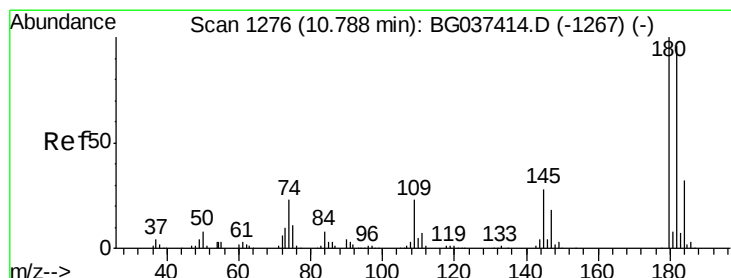
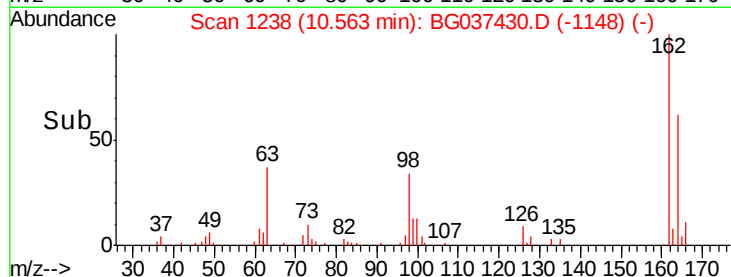
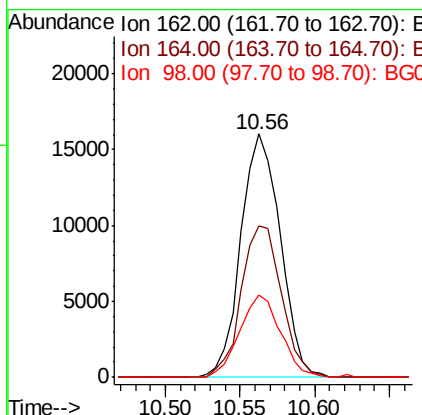
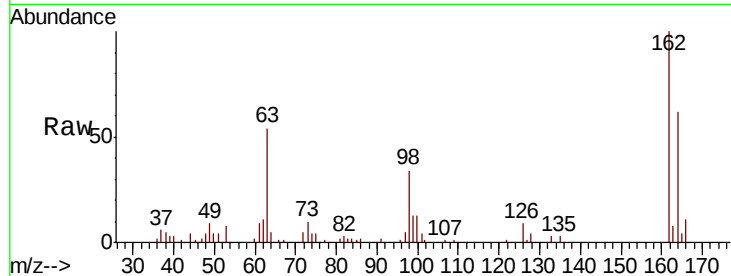




#29
 2,4-Dichlorophenol
 Concen: 7.452 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

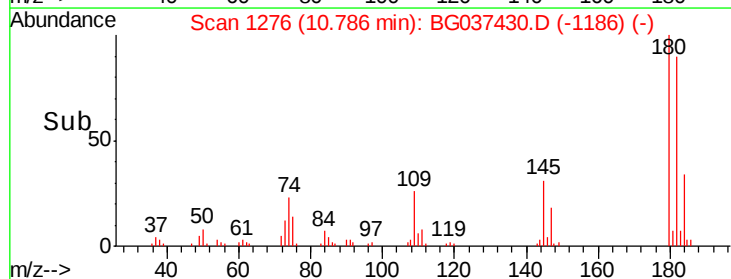
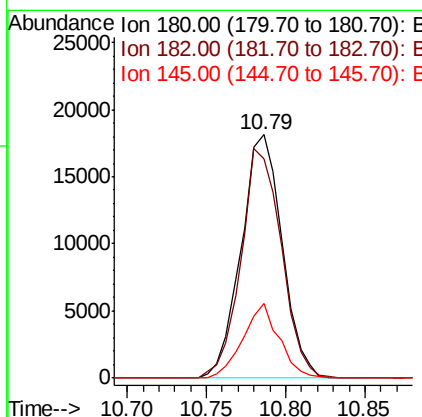
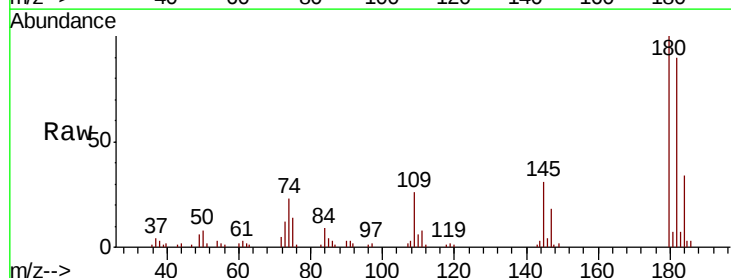
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

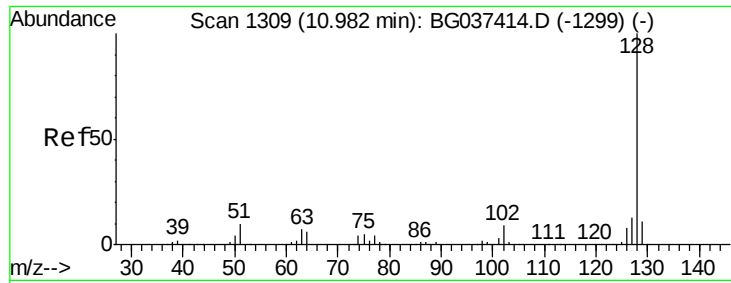
Tot Ion:162 Resp: 29317
 Ion Ratio Lower Upper
 162 100
 164 62.0 43.2 83.2
 98 33.8 16.0 56.0



#30
 1,2,4-Trichlorobenzene
 Concen: 7.618 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

Tgt Ion:180 Resp: 32593
 Ion Ratio Lower Upper
 180 100
 182 89.8 77.7 116.5
 145 30.6 23.3 34.9

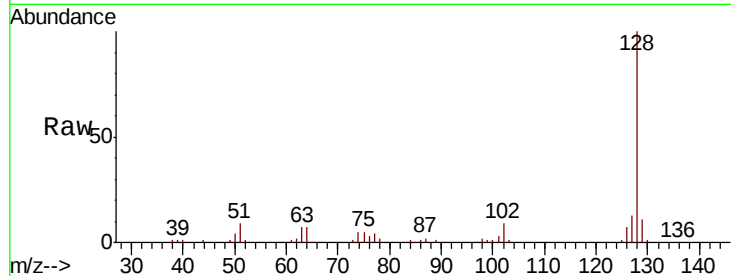




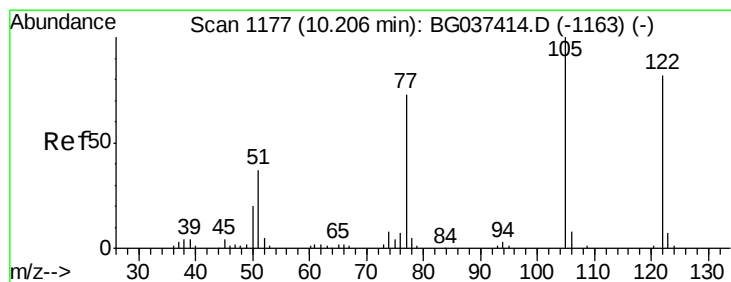
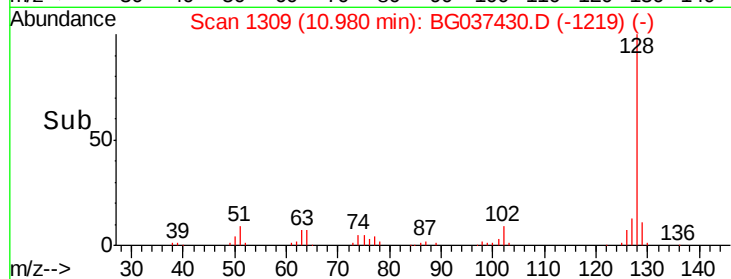
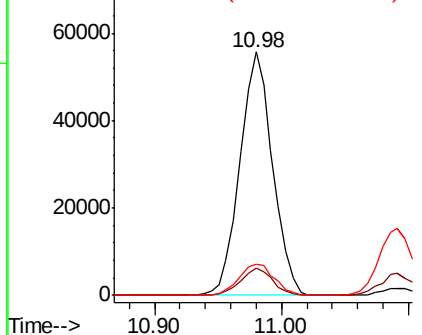
#31
Naphthalene
Concen: 8.514 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion:128 Resp: 99059
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 12.7 11.1 16.7

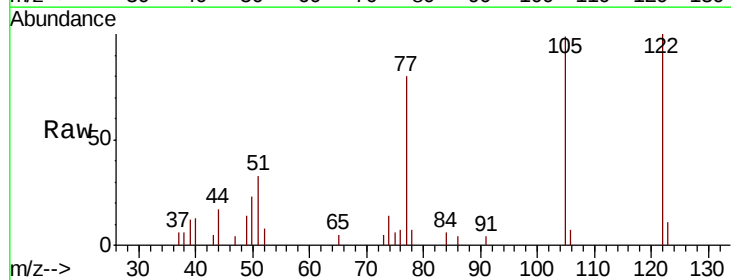


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

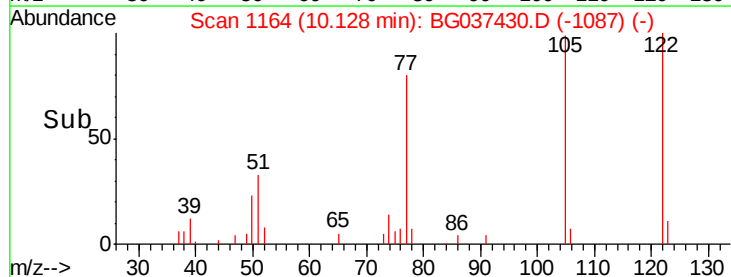
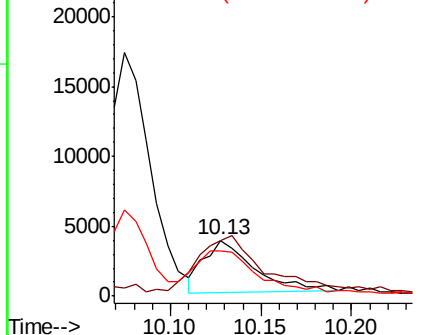


#32
Benzoic acid
Concen: 3.218 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.08 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:122 Resp: 7385
Ion Ratio Lower Upper
122 100
105 99.4 106.7 146.7#
77 80.2 72.2 112.2



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

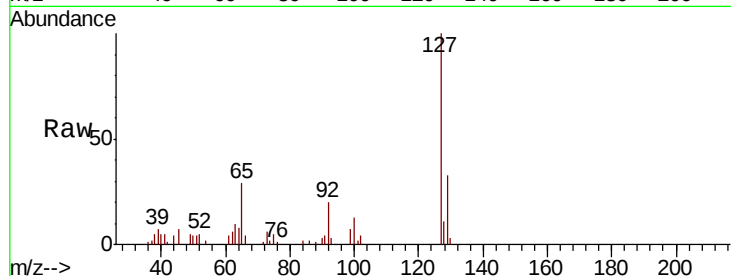




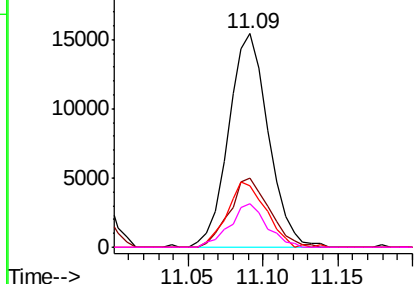
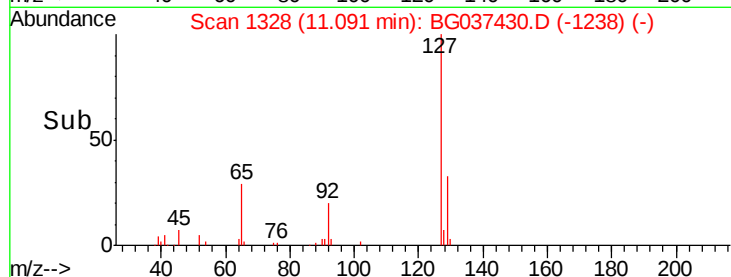
#33
4-Chloroaniline
Concen: 5.237 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion:127	Resp:	28631
Ion Ratio	Lower	Upper
127	100	
129	32.7	27.1 40.7
65	28.7	26.6 39.8
92	20.2	16.4 24.6

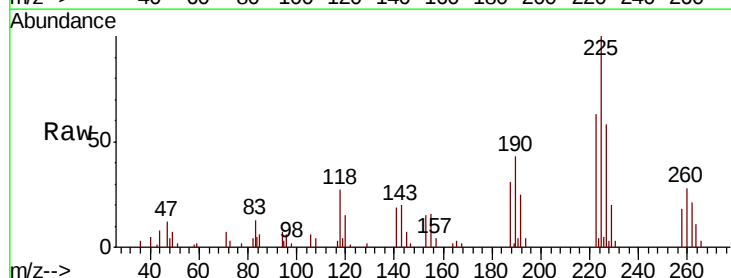


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

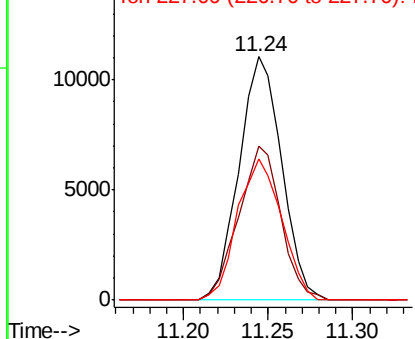
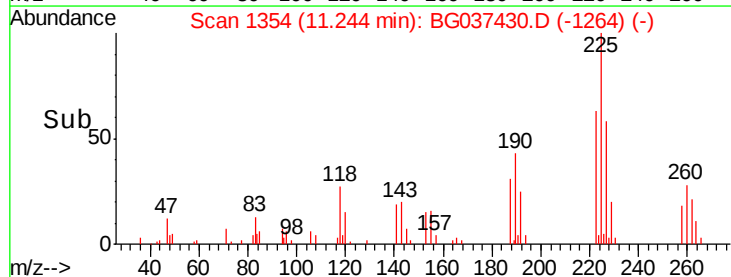


#34
Hexachlorobutadiene
Concen: 7.650 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:225	Resp:	19397
Ion Ratio	Lower	Upper
225	100	
223	64.1	48.2 72.4
227	58.3	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: 6.840 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

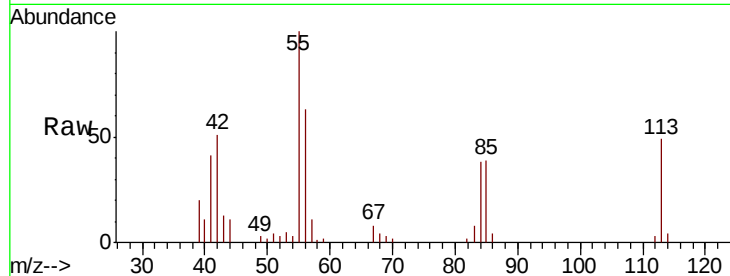
Tot Ion:113 Resp: 10792

Ion Ratio Lower Upper

113 100

55 204.5 176.6 216.6

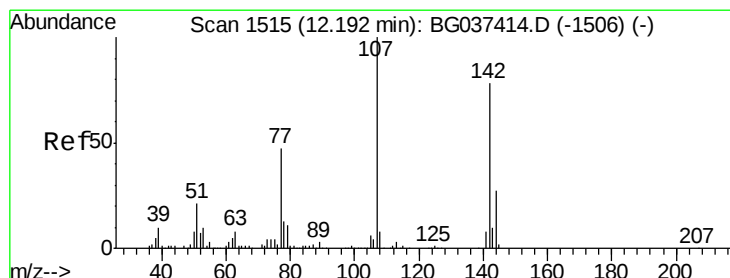
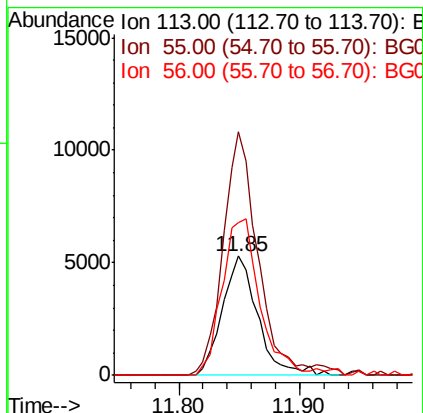
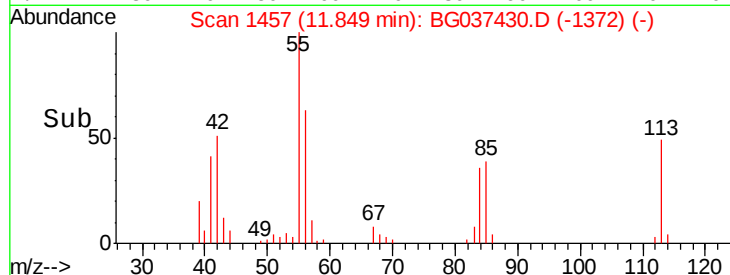
56 128.3 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 7.597 ng

RT: 12.19 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

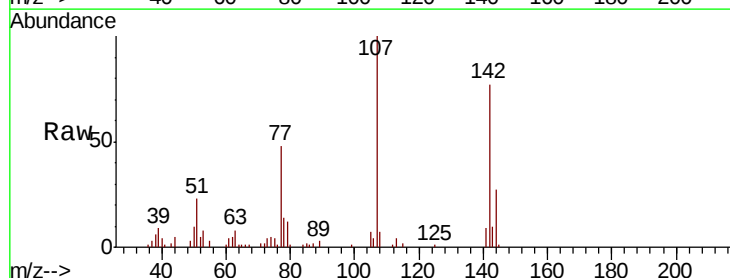
Tgt Ion:107 Resp: 33707

Ion Ratio Lower Upper

107 100

144 27.3 20.7 31.1

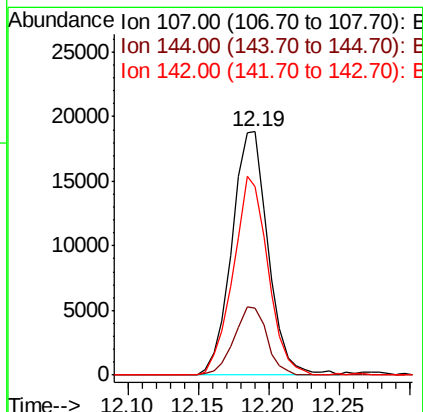
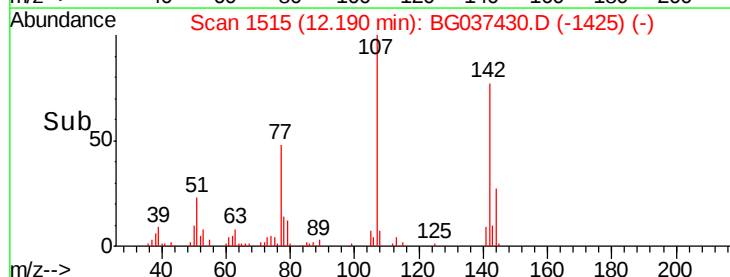
142 77.4 64.4 96.6



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

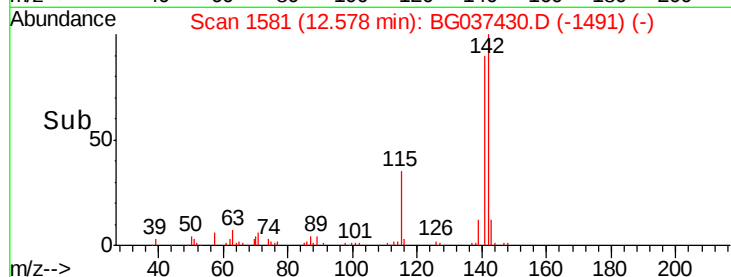
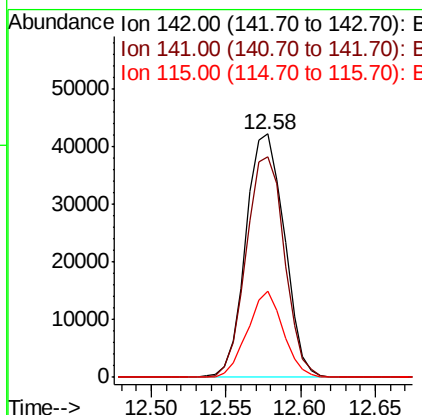
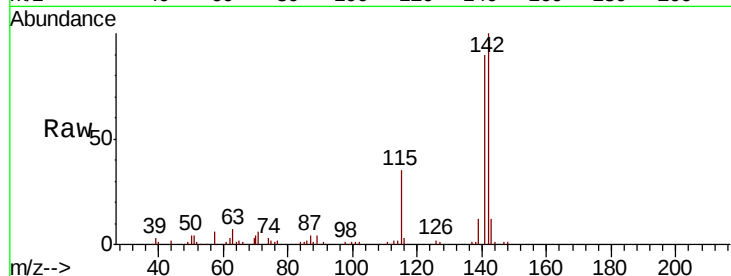




#37
2-Methylnaphthalene
Concen: 8.879 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

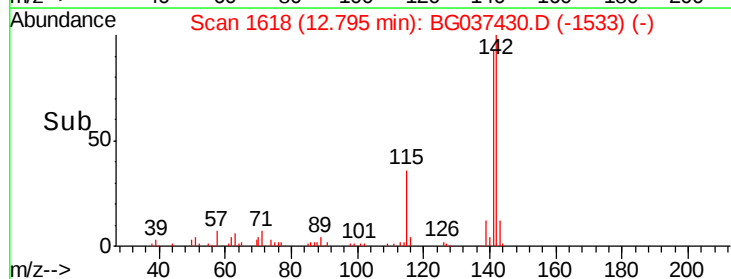
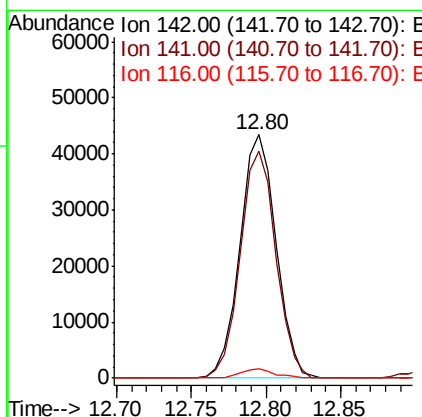
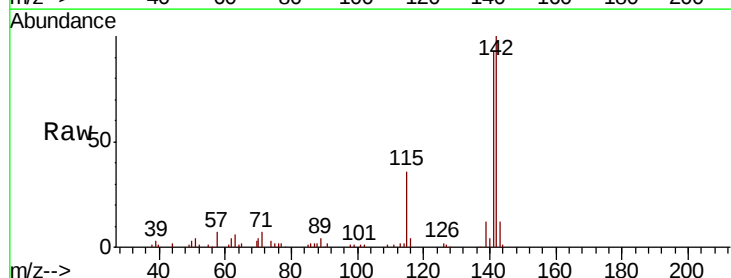
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:142 Resp: 75310
Ion Ratio Lower Upper
142 100
141 90.5 71.9 107.9
115 35.3 27.8 41.8



#38
1-Methylnaphthalene
Concen: 8.810 ng
RT: 12.80 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:142 Resp: 72561
Ion Ratio Lower Upper
142 100
141 93.1 75.2 112.8
116 3.9 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: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

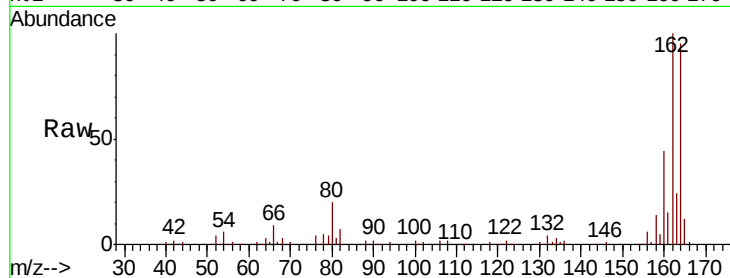
Tot Ion:164 Resp: 158212

Ion Ratio Lower Upper

164 100

162 105.0 81.3 121.9

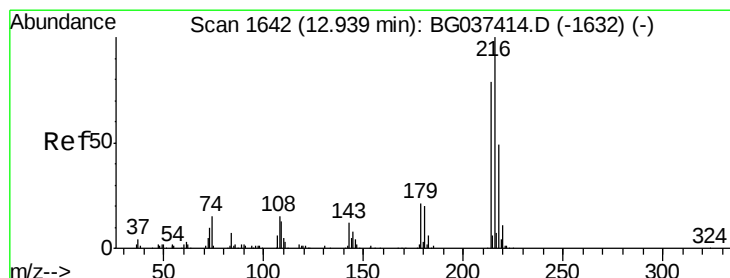
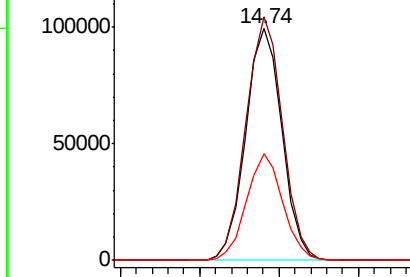
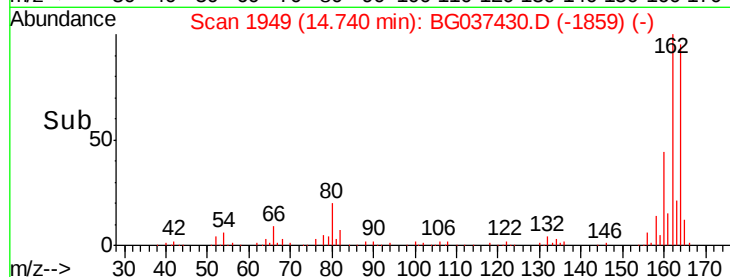
160 46.0 36.3 54.5



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: 7.616 ng

RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Tgt Ion:216 Resp: 38868

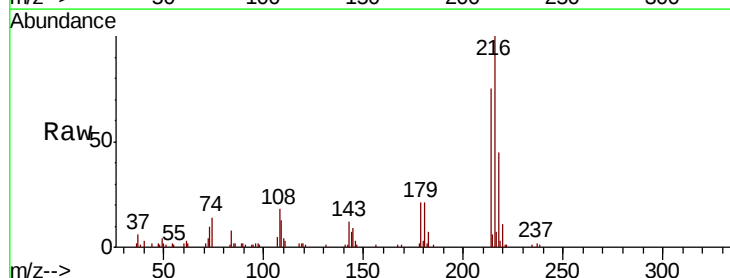
Ion Ratio Lower Upper

216 100

214 77.1 63.8 95.6

179 20.9 17.4 26.0

108 17.2 13.9 20.9

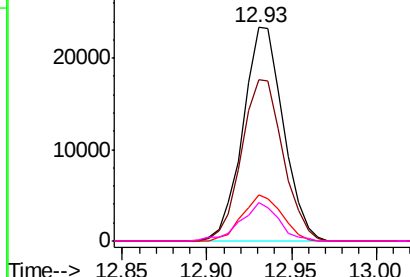
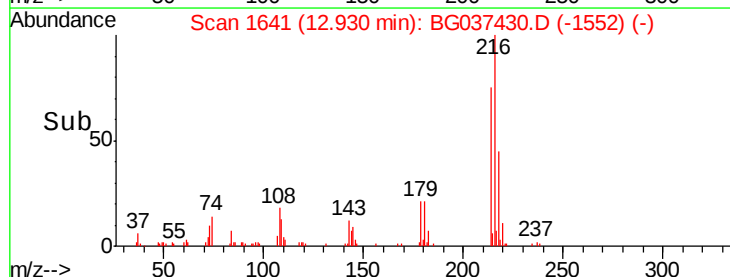


Abundance Ion 216.00 (215.70 to 216.70): E

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: 7.810 ng

RT: 12.90 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

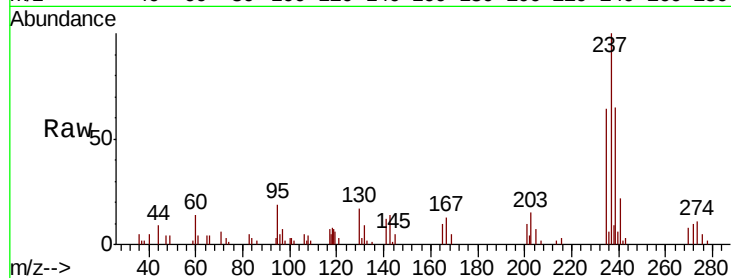
BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:237 Resp: 19039

Ion	Ratio	Lower	Upper
237	100		
235	64.1	42.5	82.5
272	10.1	0.0	31.6

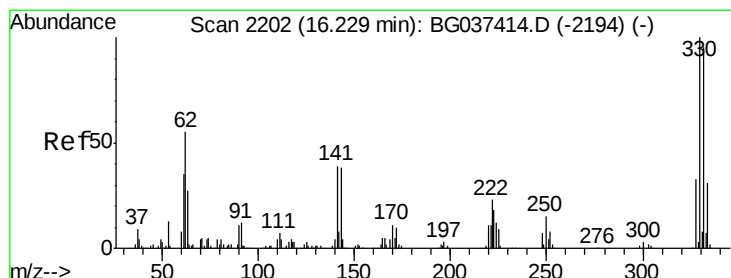
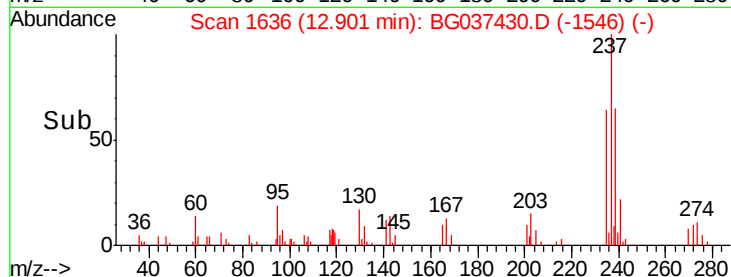
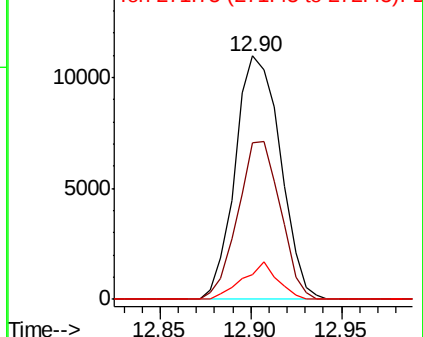


Abundance

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: 144.303 ng

RT: 16.23 min Scan# 2202

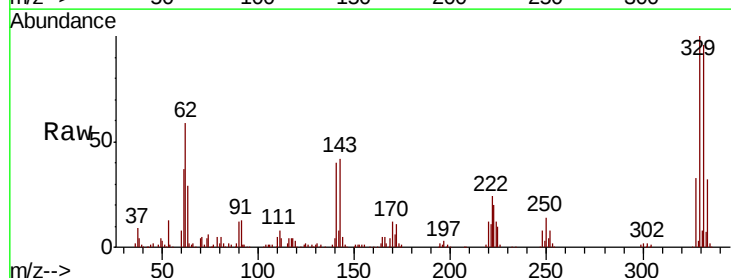
Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Tgt Ion:330 Resp: 249009

Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.4	117.6
141	40.3	32.2	48.2

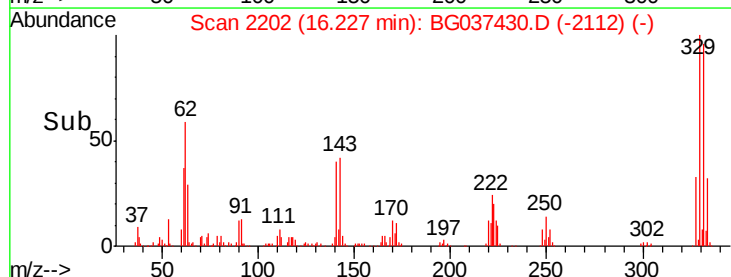
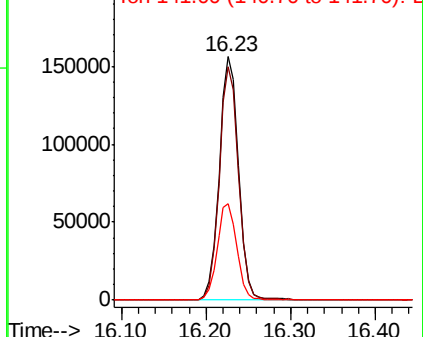


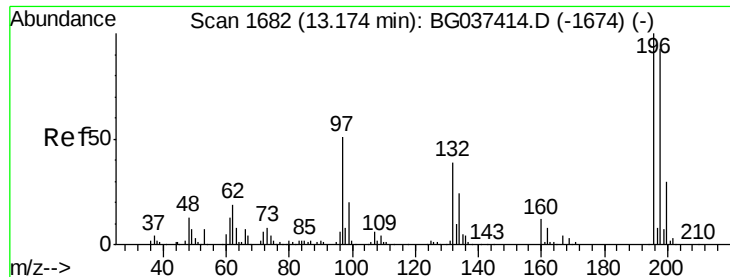
Abundance

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

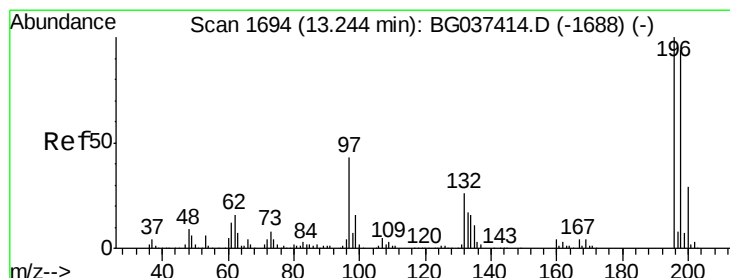
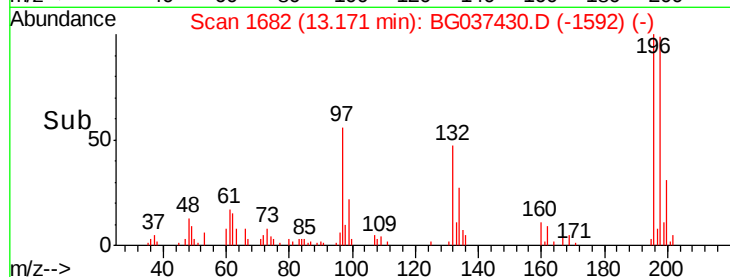
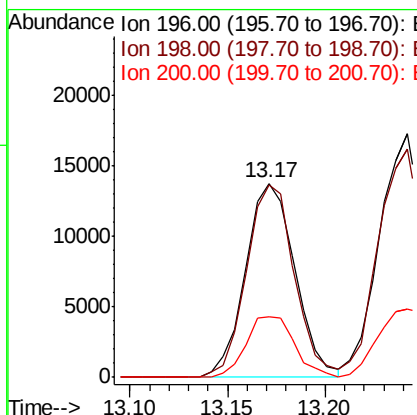
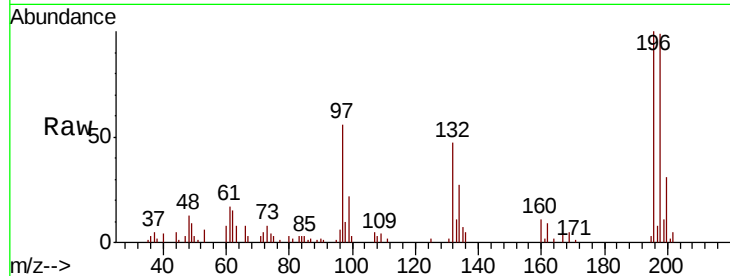




#43
 2,4,6-Trichlorophenol
 Concen: 7.069 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

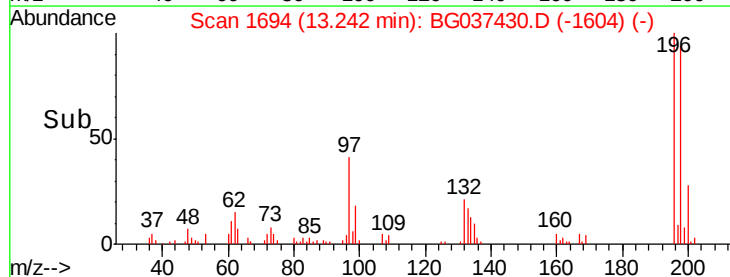
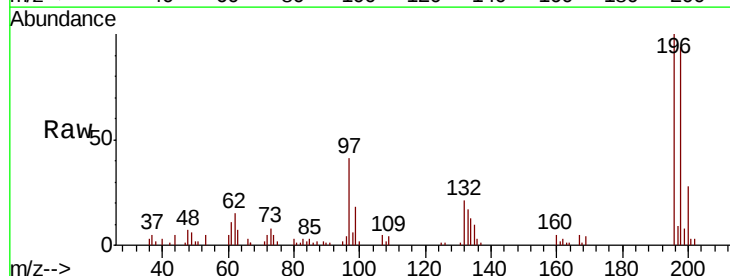
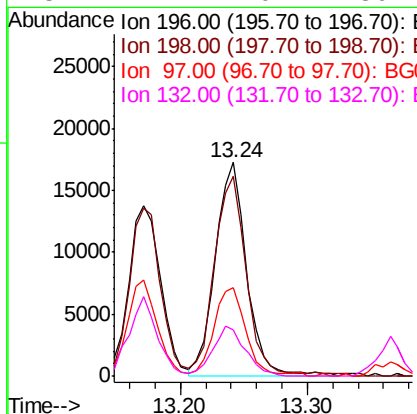
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

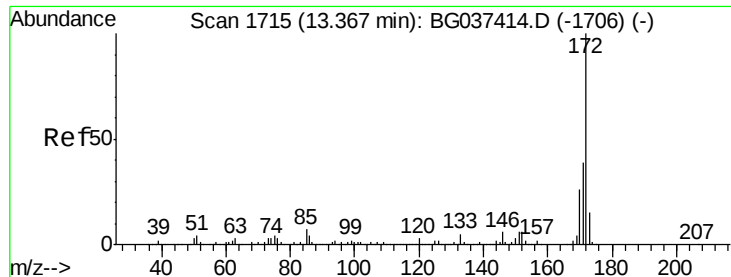
Tot Ion:196 Resp: 24100
 Ion Ratio Lower Upper
 196 100
 198 99.0 76.4 114.6
 200 31.2 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 8.017 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

Tgt Ion:196 Resp: 29758
 Ion Ratio Lower Upper
 196 100
 198 93.8 74.2 111.2
 97 41.3 34.1 51.1
 132 21.4 20.2 30.4

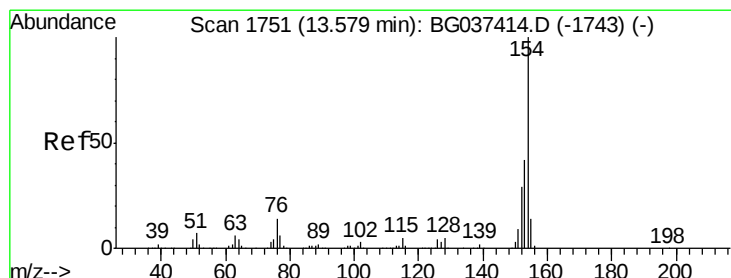
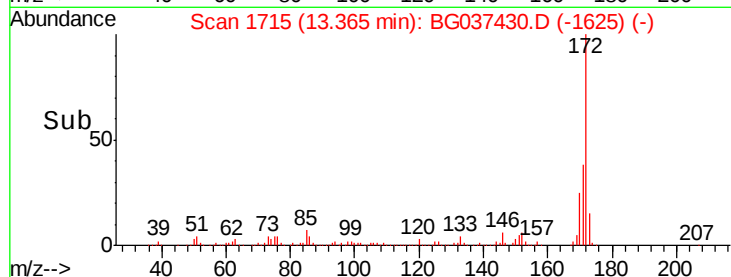
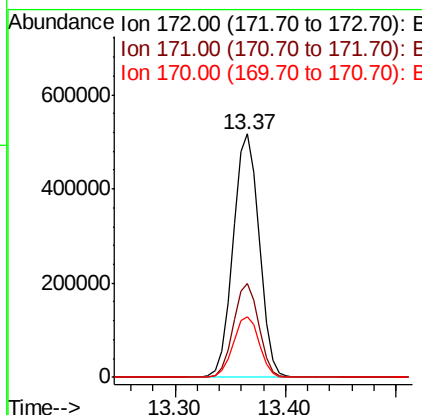
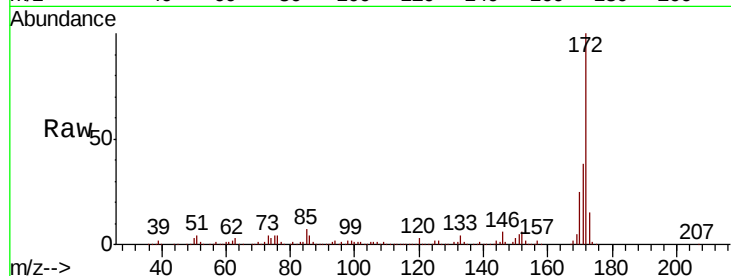




#45
2-Fluorobiphenyl
Concen: 81.585 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

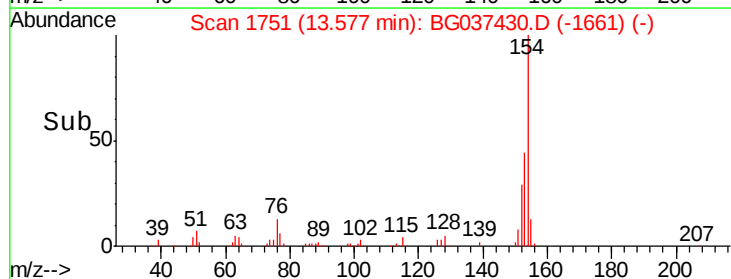
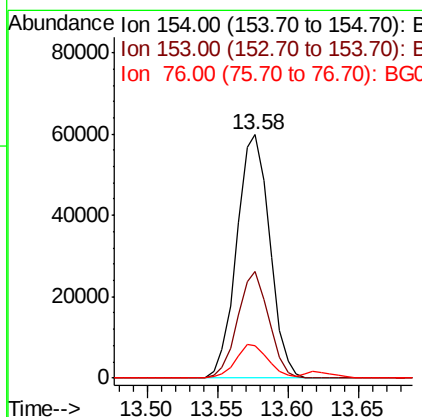
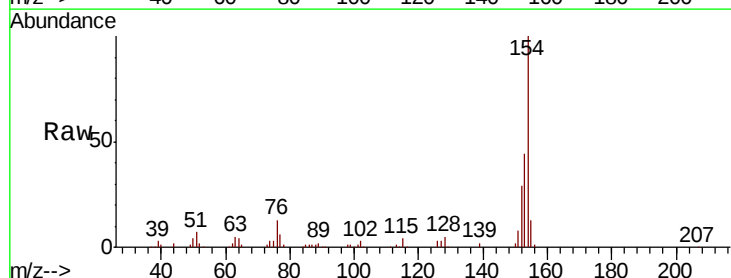
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.0	46.4
170	24.8	20.2	30.2



#46
1,1'-Biphenyl
Concen: 7.463 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.7	22.1	62.1
76	13.2	0.0	33.2

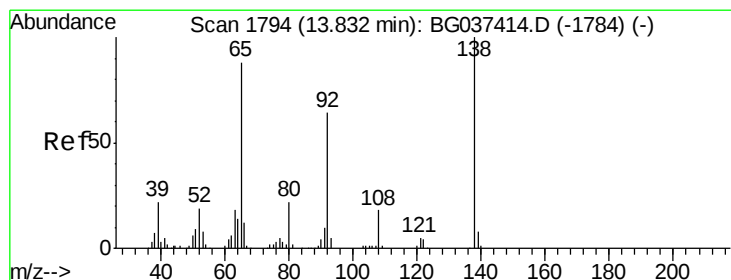
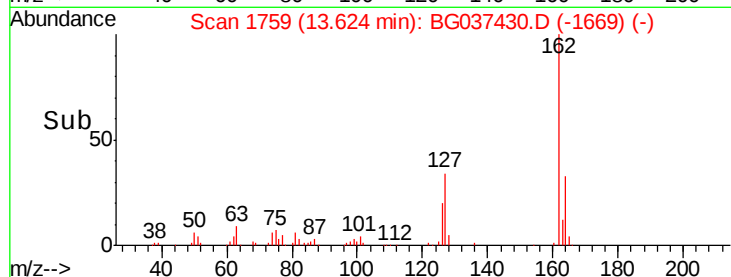
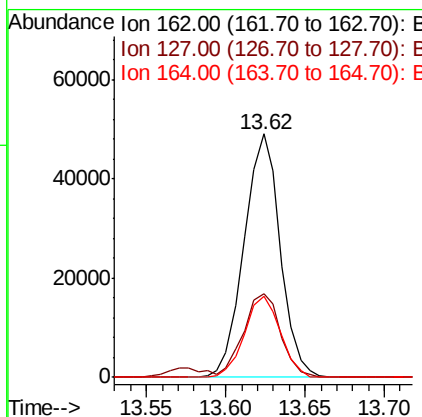
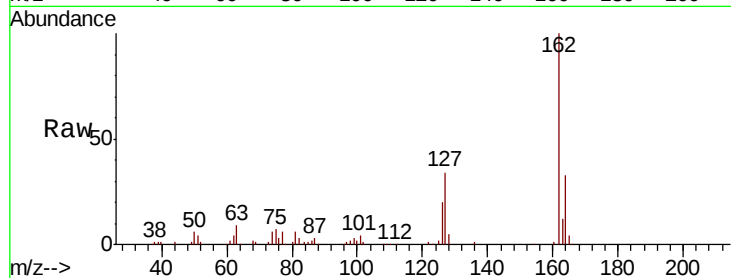




#47
2-Chloronaphthalene
Concen: 7.821 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

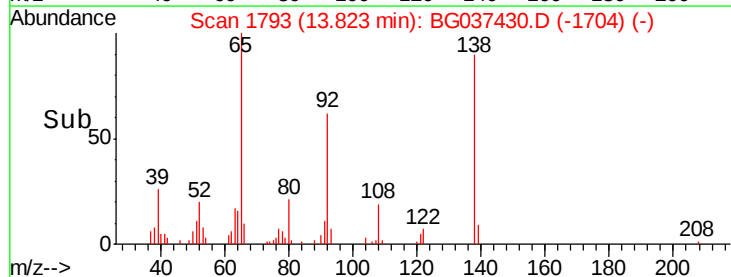
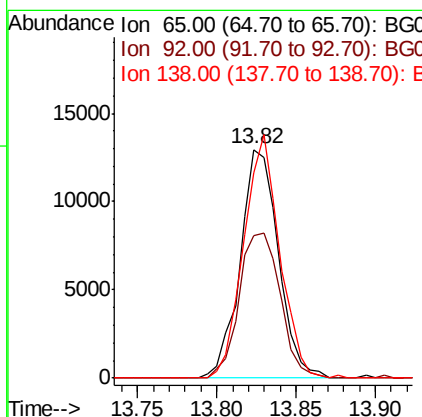
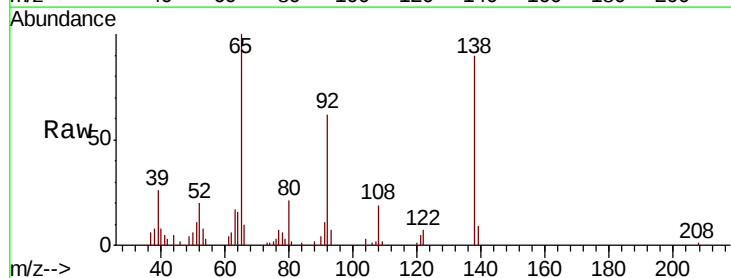
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 162 Resp: 77527
Ion Ratio Lower Upper
162 100
127 34.4 30.5 45.7
164 33.4 26.4 39.6



#48
2-Nitroaniline
Concen: 7.209 ng
RT: 13.82 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion: 65 Resp: 21670
Ion Ratio Lower Upper
65 100
92 62.1 53.2 79.8
138 89.9 79.3 118.9





#49

Acenaphthylene

Concen: 8.807 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

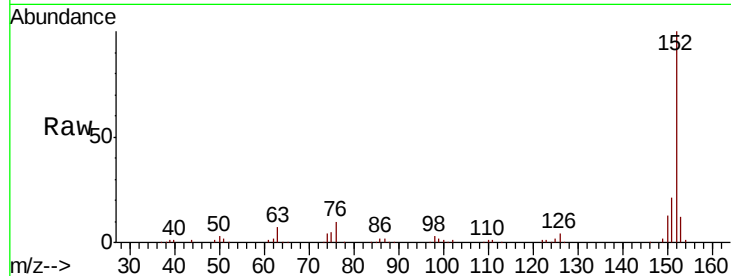
Tot Ion:152 Resp: 131323

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

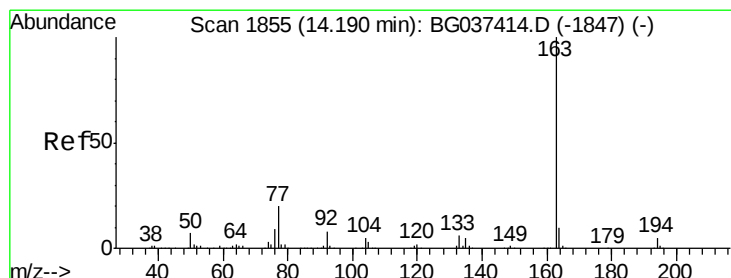
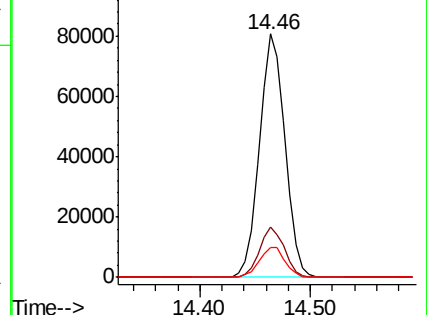
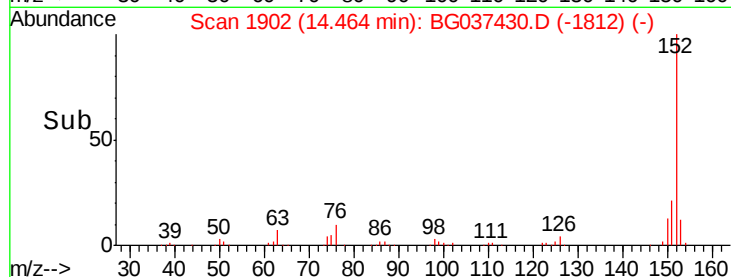
153 12.4 11.1 16.7



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: 8.383 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

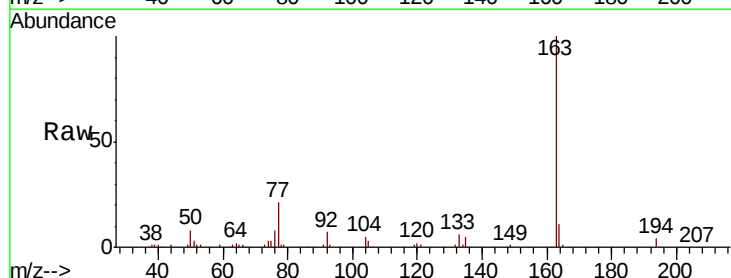
Tgt Ion:163 Resp: 102601

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

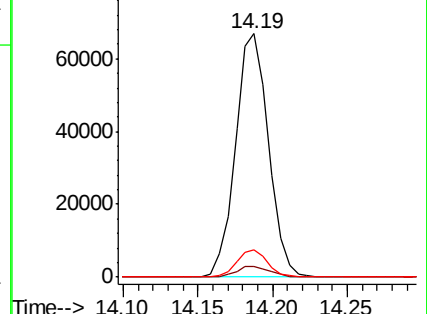
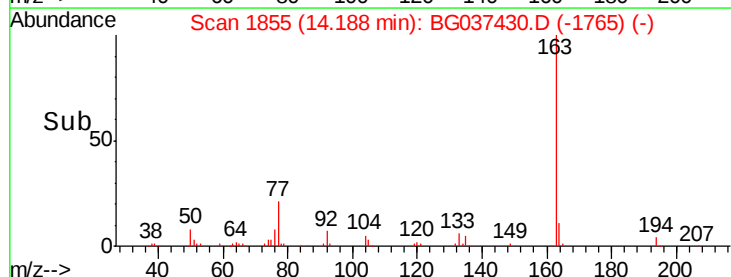
164 11.0 8.5 12.7

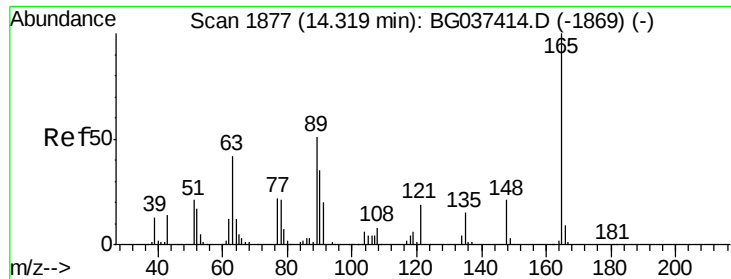


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.514 ng

RT: 14.31 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

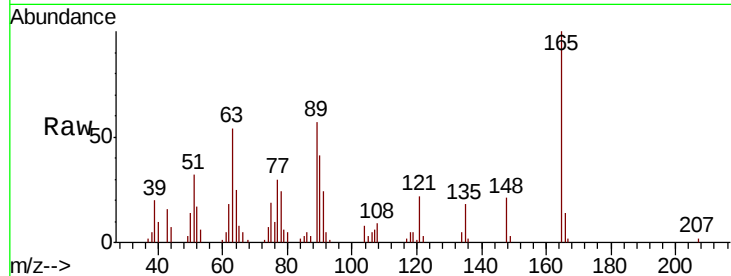
Tot Ion:165 Resp: 20344

Ion Ratio Lower Upper

165 100

63 54.3 43.4 65.2

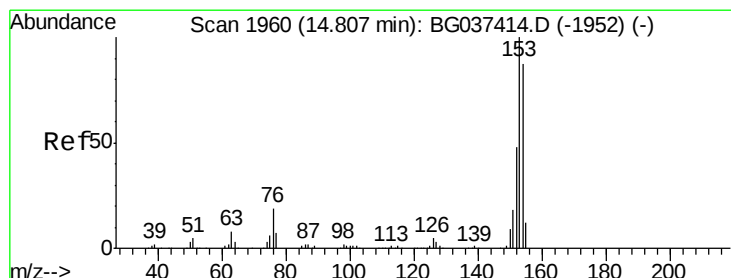
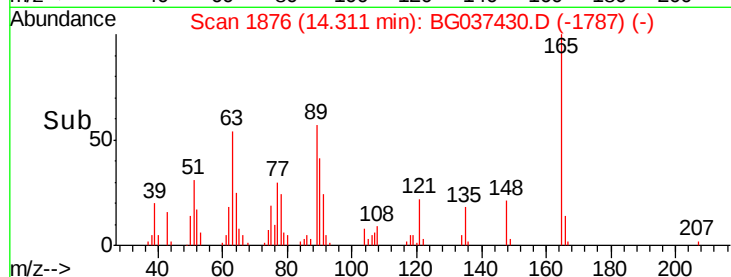
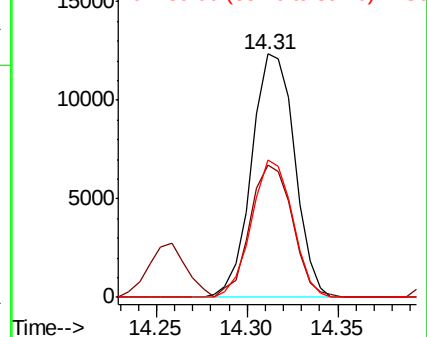
89 56.6 45.8 68.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 8.260 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

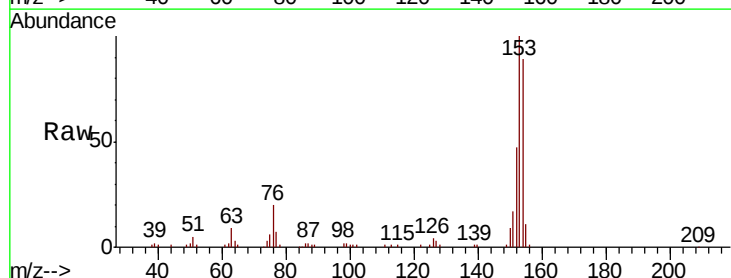
Tgt Ion:154 Resp: 75856

Ion Ratio Lower Upper

154 100

153 112.9 93.4 140.0

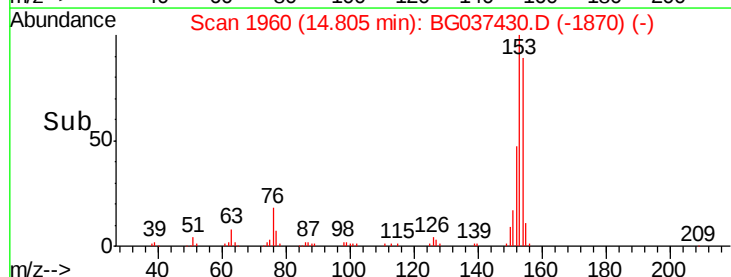
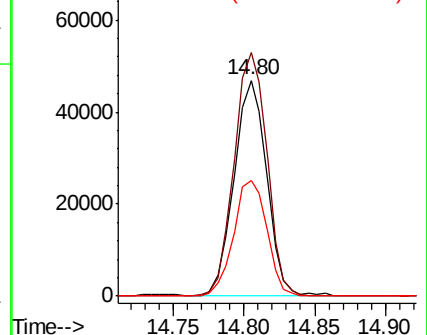
152 53.6 44.7 67.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 6.293 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

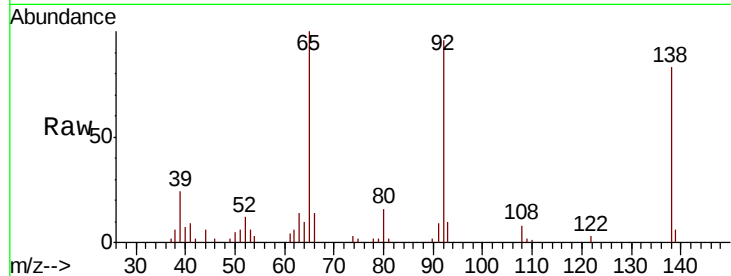
Tot Ion:138 Resp: 18915

Ion Ratio Lower Upper

138 100

108 9.7 11.0 16.6#

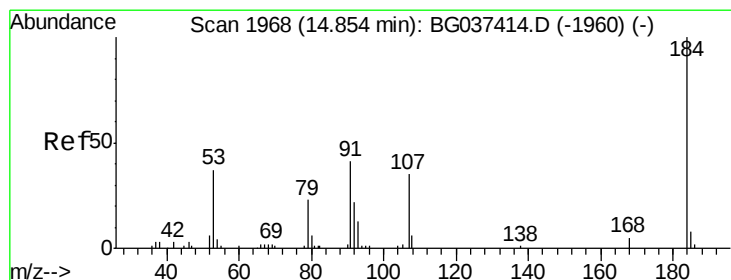
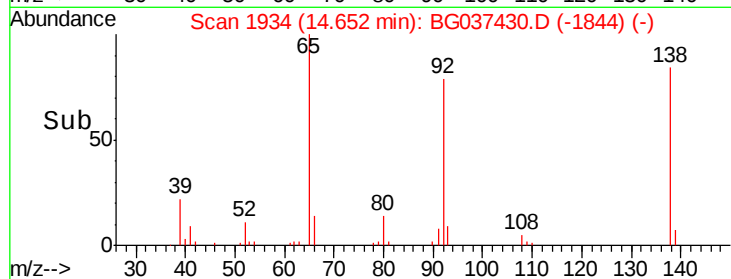
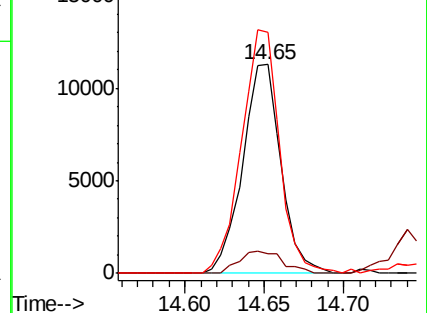
92 115.4 95.2 142.8



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



#54

2,4-Dinitrophenol

Concen: 8.069 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

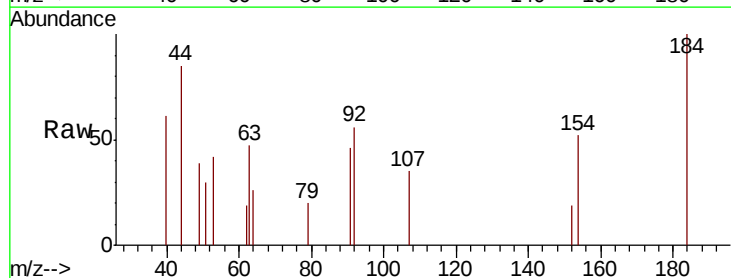
Tgt Ion:184 Resp: 1229

Ion Ratio Lower Upper

184 100

63 46.7 42.6 63.8

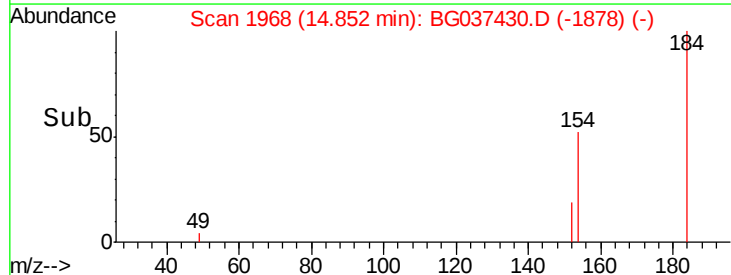
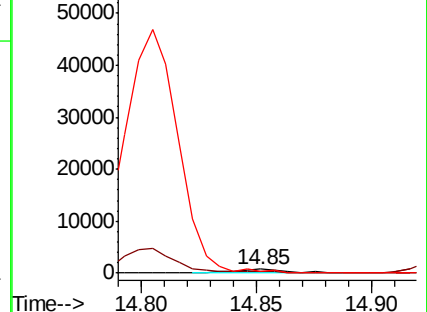
154 52.4 41.8 62.6

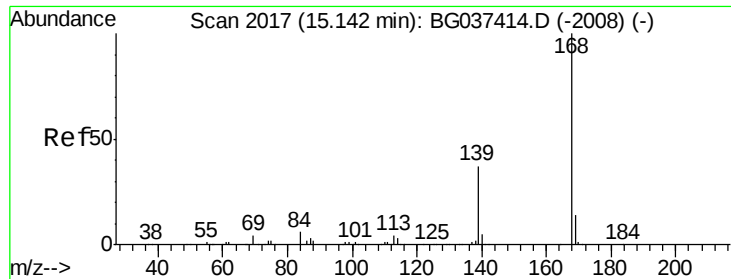


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

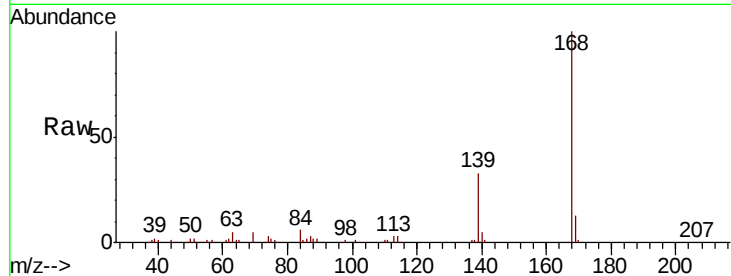




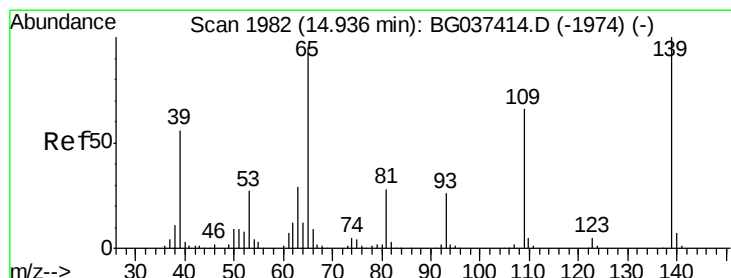
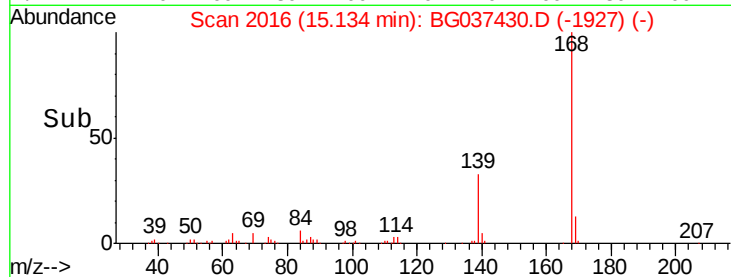
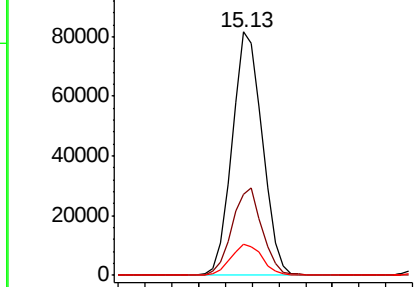
#55
Dibenzofuran
Concen: 8.408 ng
RT: 15.13 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion:168 Resp: 127925
Ion Ratio Lower Upper
168 100
139 33.3 29.4 44.0
169 13.0 11.0 16.6

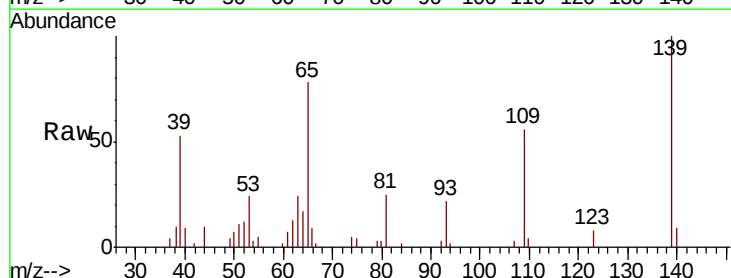


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

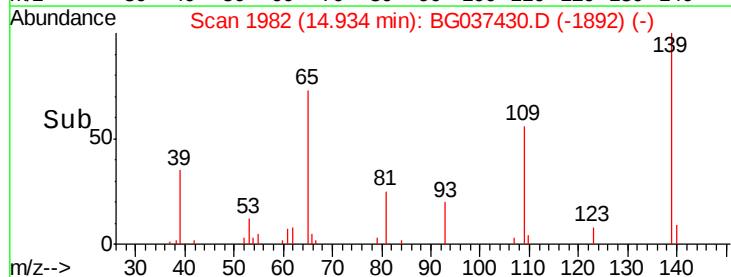
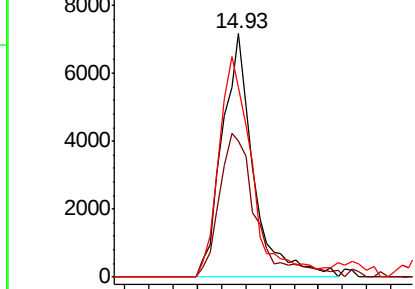


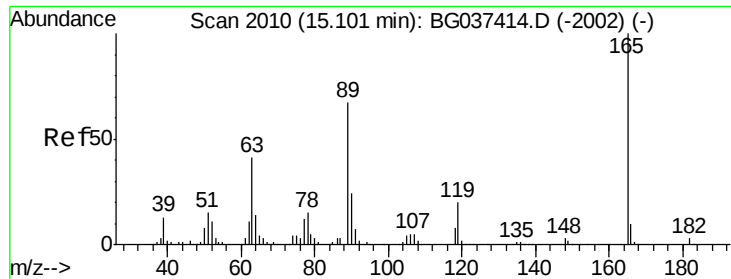
#56
4-Nitrophenol
Concen: 5.786 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:139 Resp: 12873
Ion Ratio Lower Upper
139 100
109 55.9 49.5 89.5
65 78.1 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): BGO

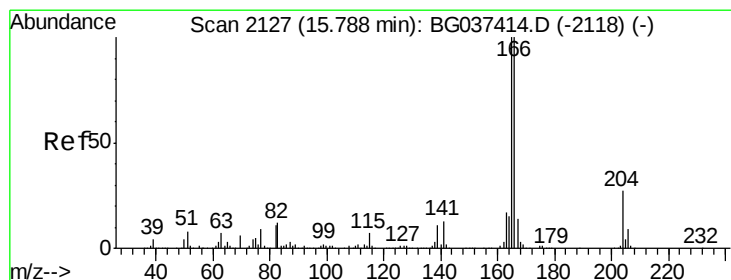
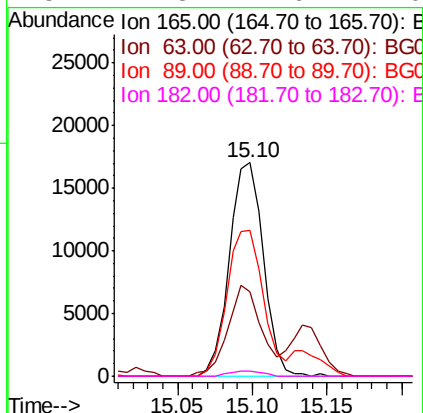
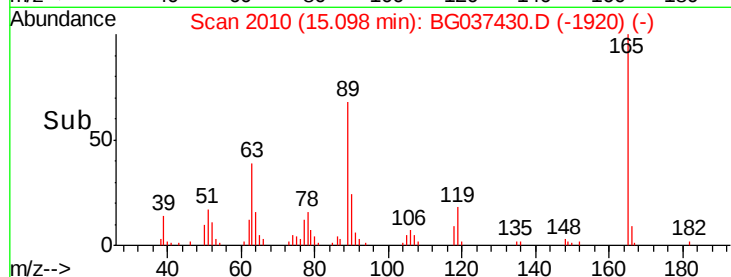
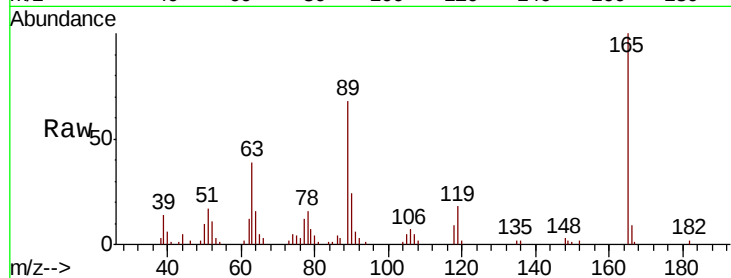




#57
2,4-Dinitrotoluene
Concen: 7.635 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

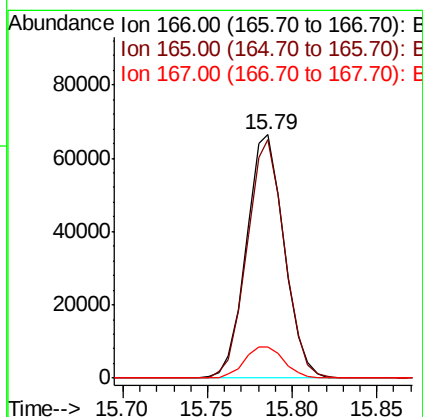
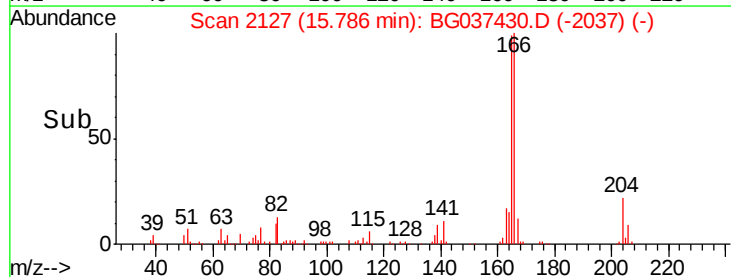
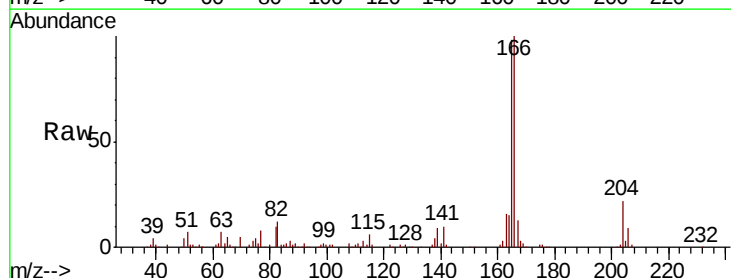
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

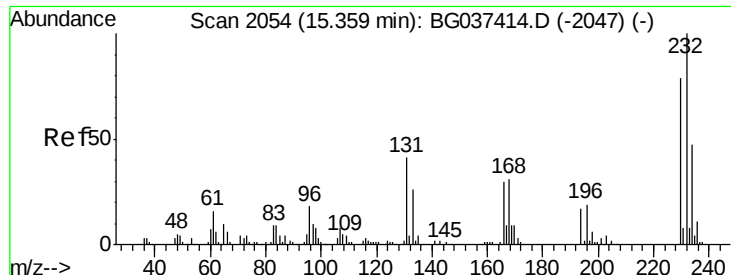
Tot Ion	Ratio	Lower	Upper
165	100		
63	39.4	33.4	50.0
89	68.3	57.2	85.8
182	2.3	2.6	4.0



#58
Fluorene
Concen: 9.078 ng
RT: 15.79 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.0	118.6
167	13.0	11.3	16.9

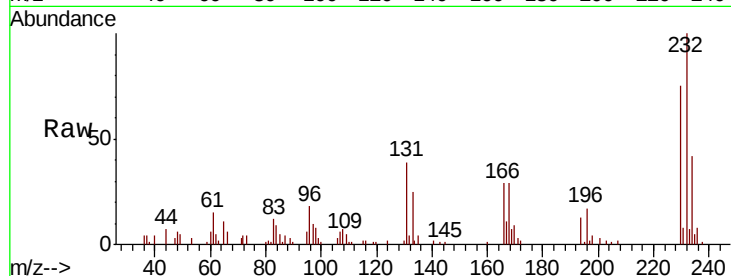




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.308 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.5	33.7	50.5
130	2.9	2.1	3.1
166	34.1	24.6	36.8



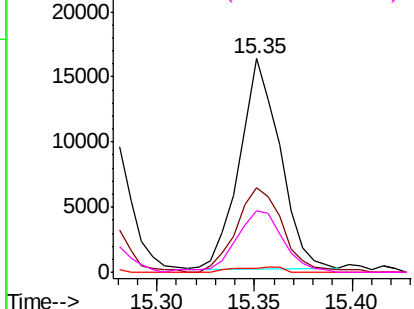
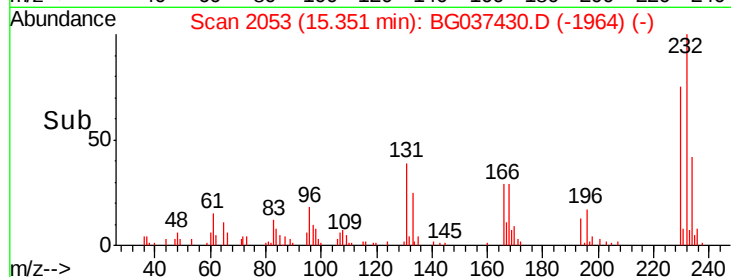
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

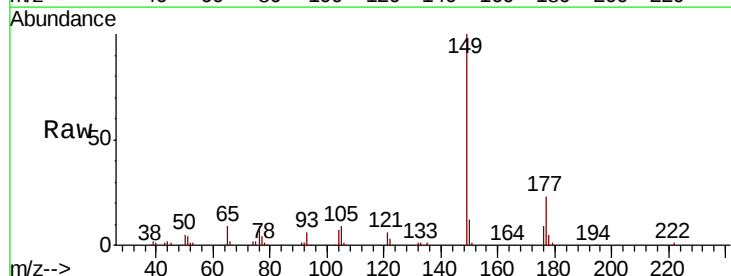
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 8.280 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.3	27.5
150	12.4	10.0	15.0

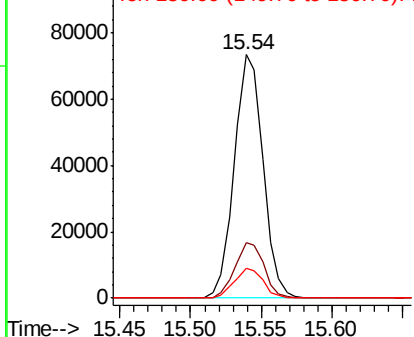
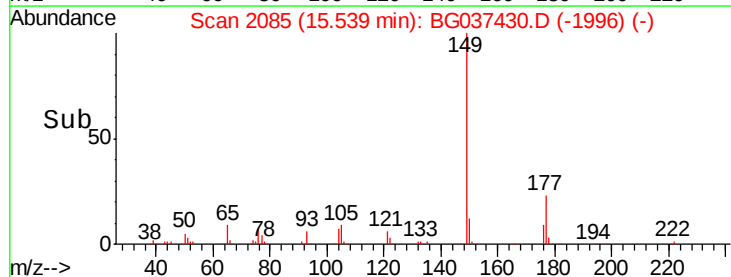


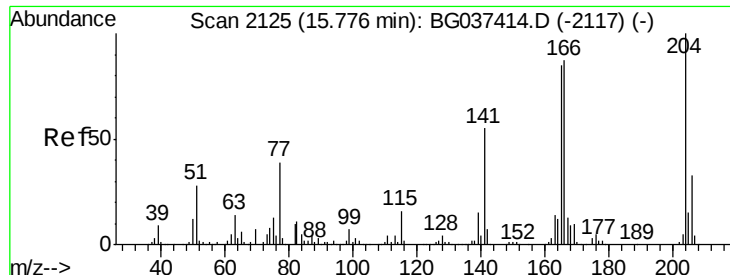
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

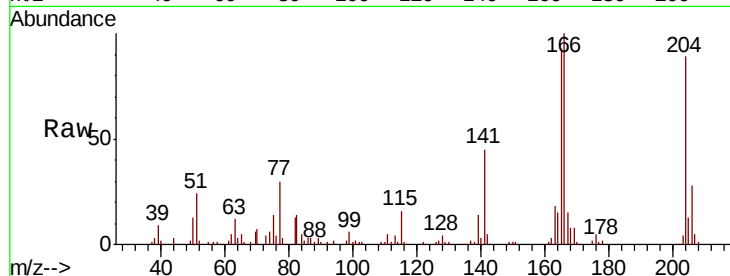




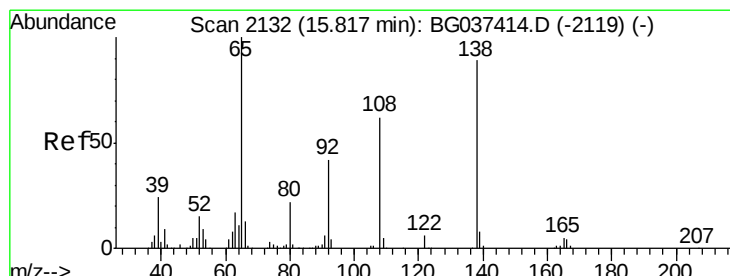
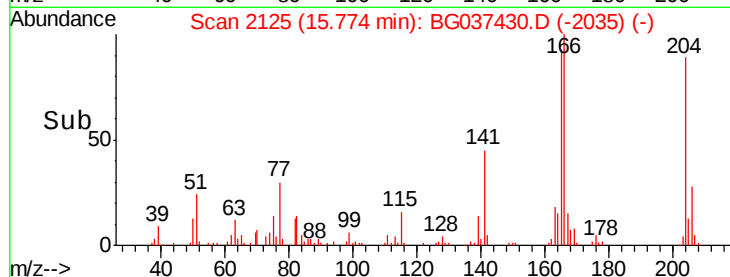
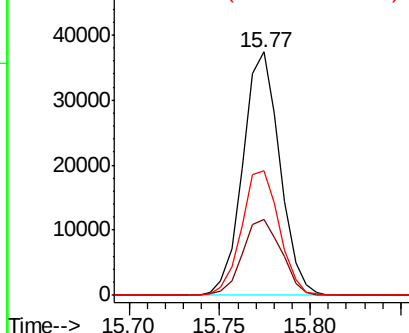
#61
4-Chlorophenyl-phenylether
Concen: 7.979 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion:204 Resp: 52990
Ion Ratio Lower Upper
204 100
206 31.0 26.6 39.8
141 51.0 45.4 68.2

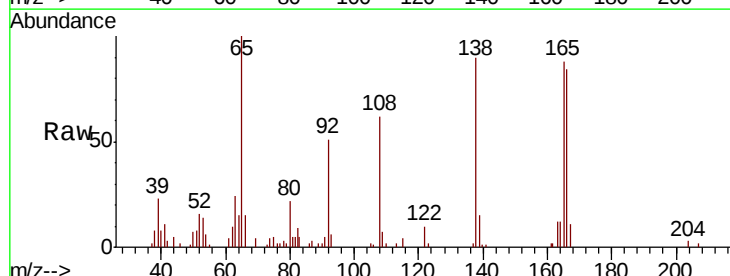


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

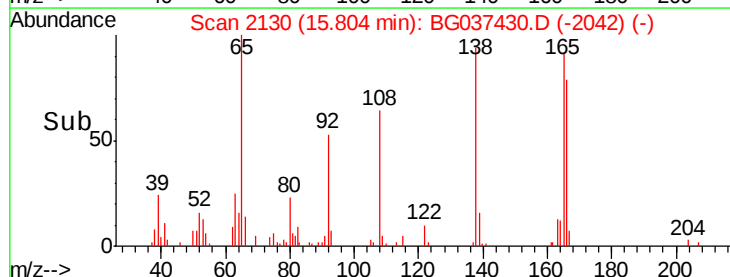
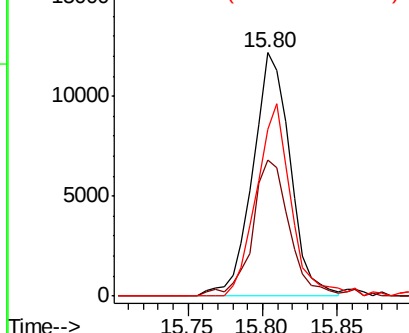


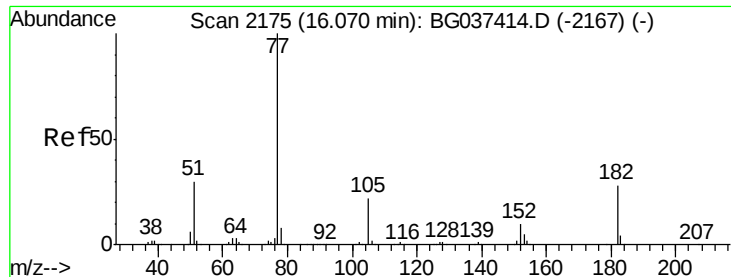
#62
4-Nitroaniline
Concen: 7.071 ng
RT: 15.80 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:138 Resp: 21119
Ion Ratio Lower Upper
138 100
92 56.2 36.4 76.4
108 68.6 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: 8.484 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 77 Resp: 101720

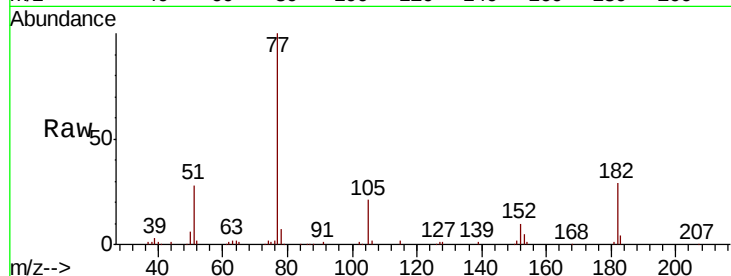
Ion Ratio Lower Upper

77 100

182 28.6 8.0 48.0

105 20.9 1.3 41.3

51 28.2 10.7 50.7

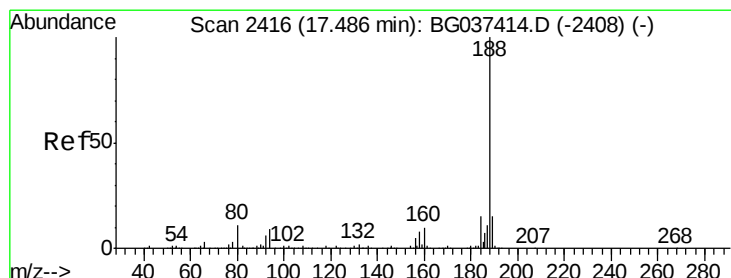
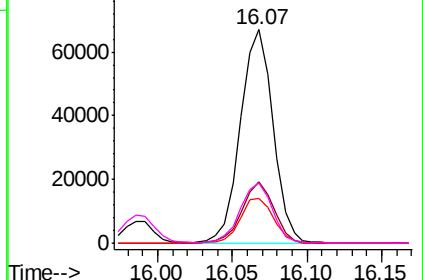
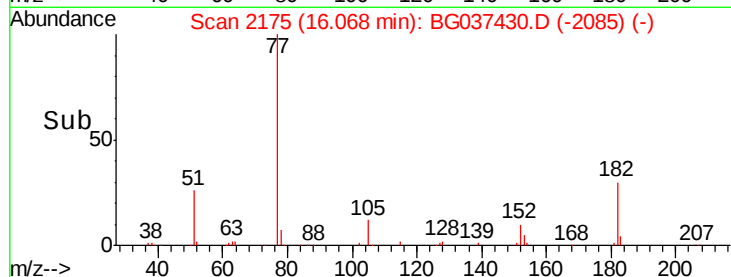


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

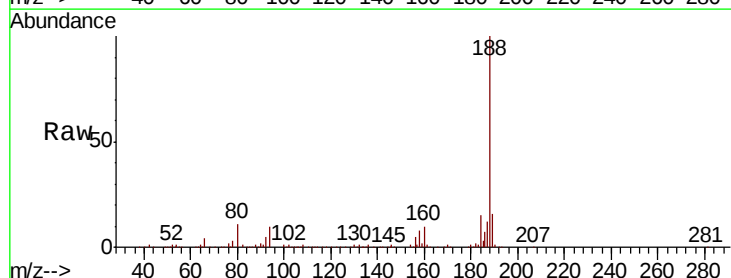
Tgt Ion: 188 Resp: 392206

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

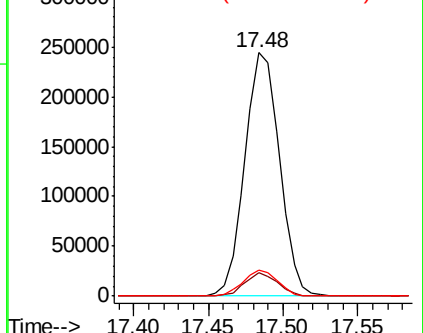
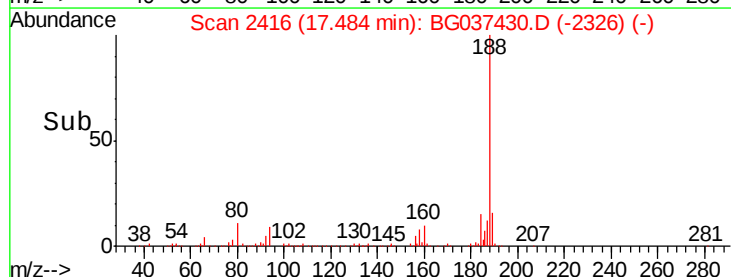
80 10.9 7.7 11.5

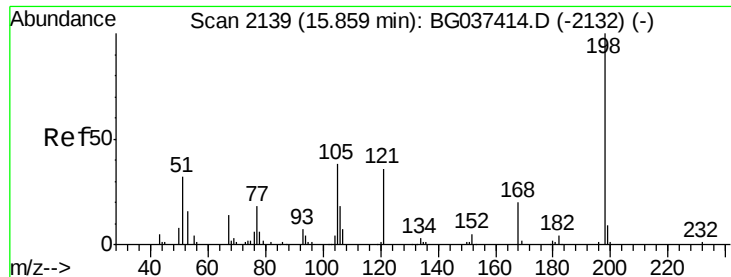


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

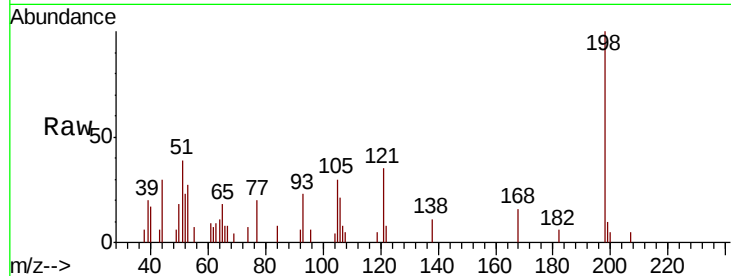




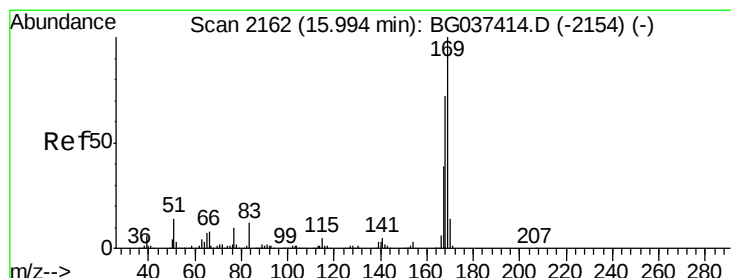
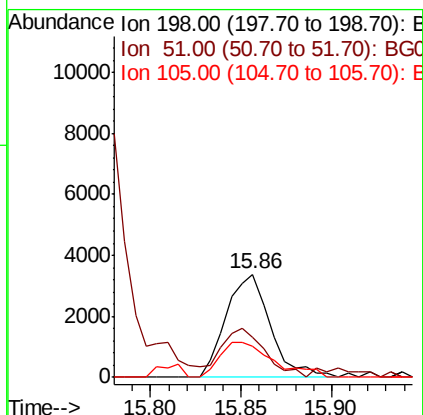
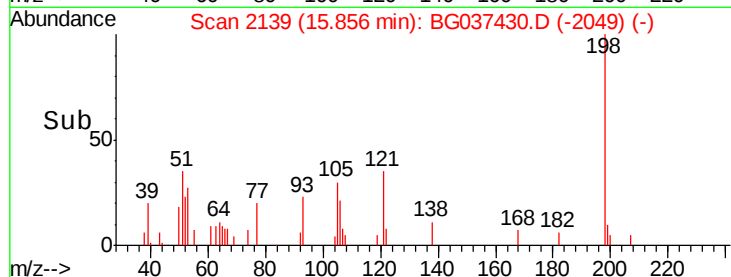
#65
4,6-Dinitro-2-methylphenol
Concen: 10.797 ng
RT: 15.86 min Scan# 2139
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion:198 Resp: 5726
Ion Ratio Lower Upper
198 100
51 39.4 22.7 62.7
105 29.8 19.7 59.7

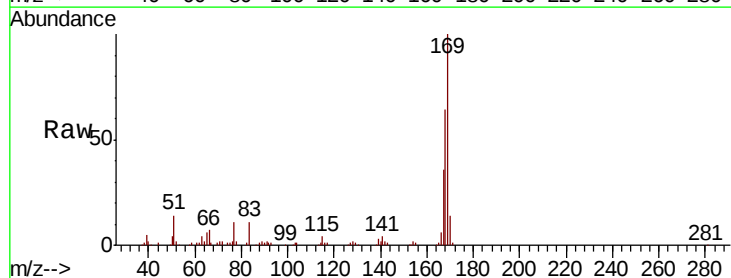


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

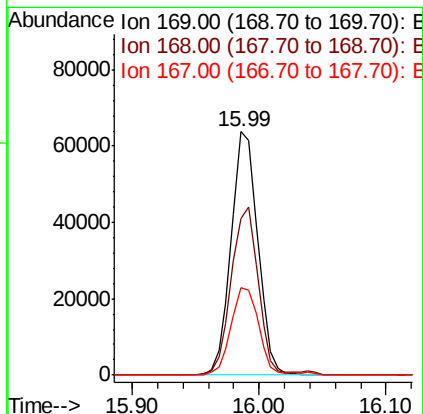
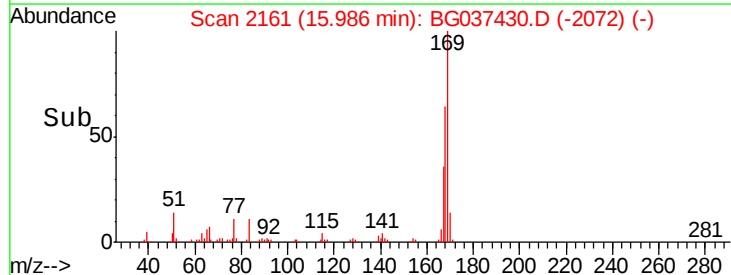


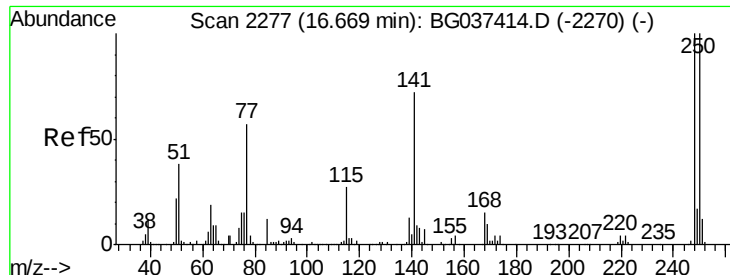
#66
n-Nitrosodiphenylamine
Concen: 7.876 ng
RT: 15.99 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:169 Resp: 92918
Ion Ratio Lower Upper
169 100
168 64.2 55.7 83.5
167 35.8 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

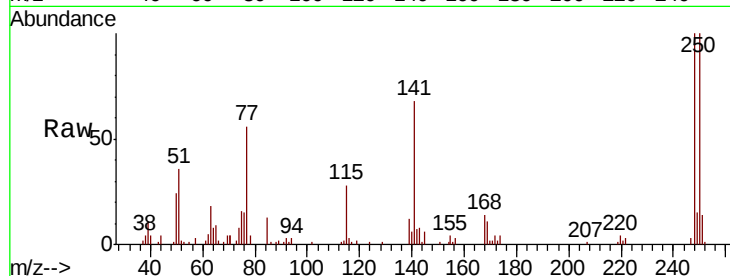




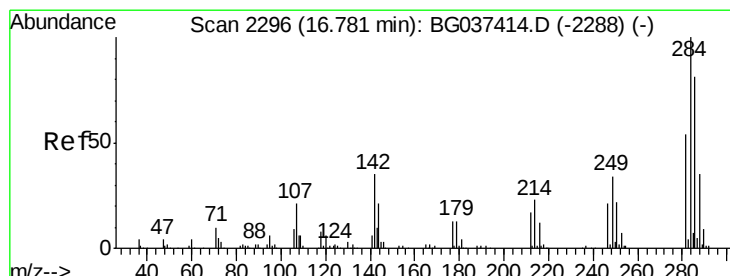
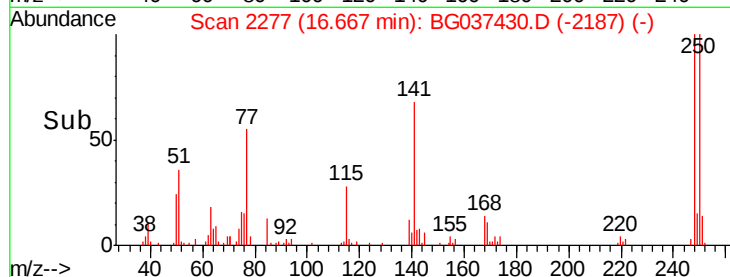
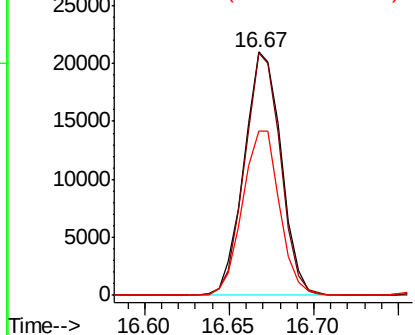
#67
 4-Bromophenyl-phenylether
 Concen: 7.439 ng
 RT: 16.67 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

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

Tot Ion:248 Resp: 32039
 Ion Ratio Lower Upper
 248 100
 250 99.7 77.0 115.6
 141 67.7 55.5 83.3

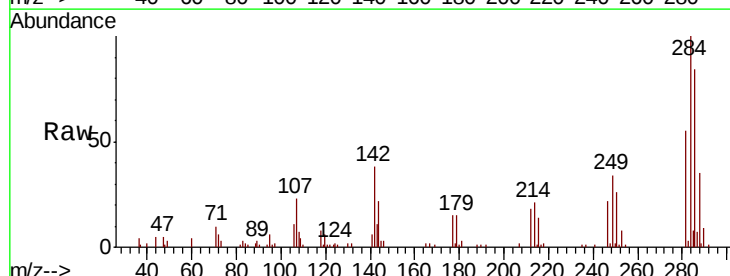


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

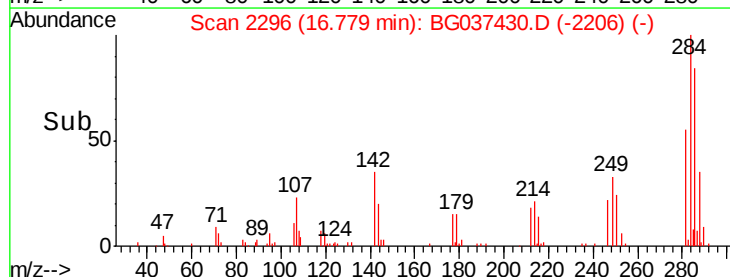
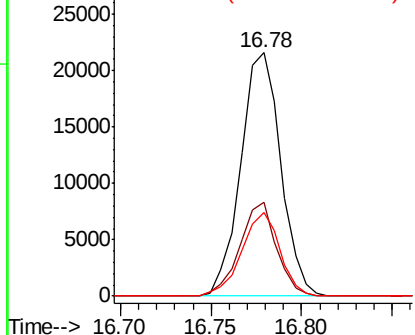


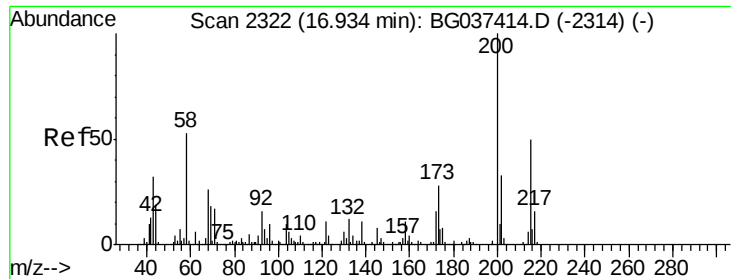
#68
 Hexachlorobenzene
 Concen: 7.424 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

Tgt Ion:284 Resp: 33140
 Ion Ratio Lower Upper
 284 100
 142 38.3 28.1 42.1
 249 35.9 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

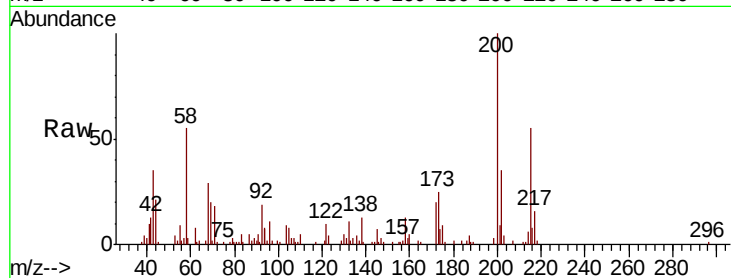




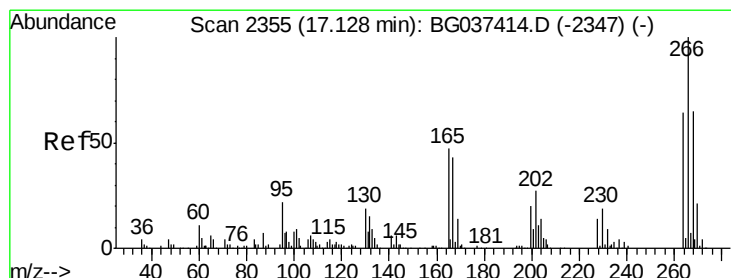
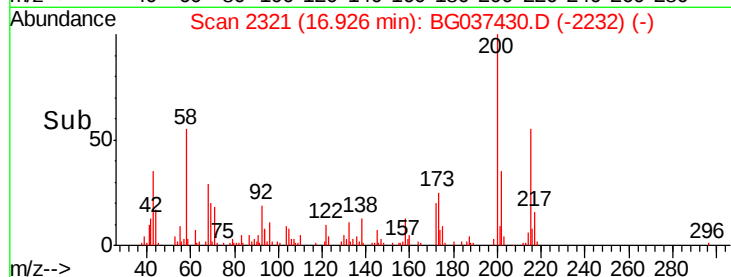
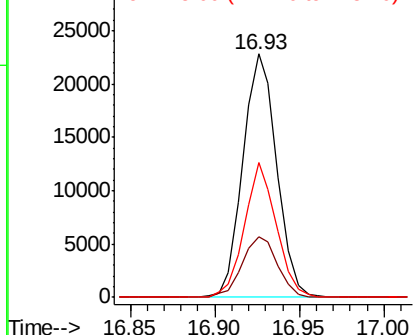
#69
Atrazine
Concen: 7.433 ng
RT: 16.93 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion:200 Resp: 31704
Ion Ratio Lower Upper
200 100
173 24.9 6.1 46.1
215 55.2 30.8 70.8

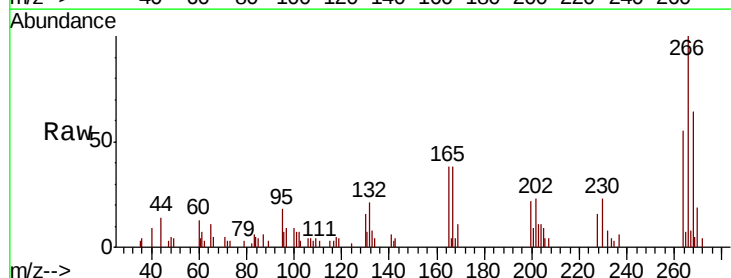


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

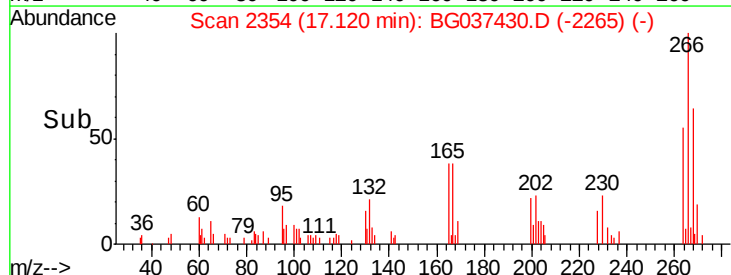
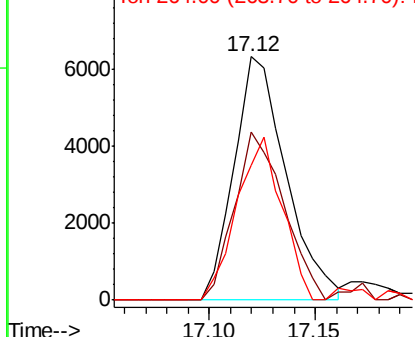


#70
Pentachlorophenol
Concen: 3.631 ng
RT: 17.12 min Scan# 2354
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion:266 Resp: 10856
Ion Ratio Lower Upper
266 100
268 68.9 55.0 82.6
264 62.1 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

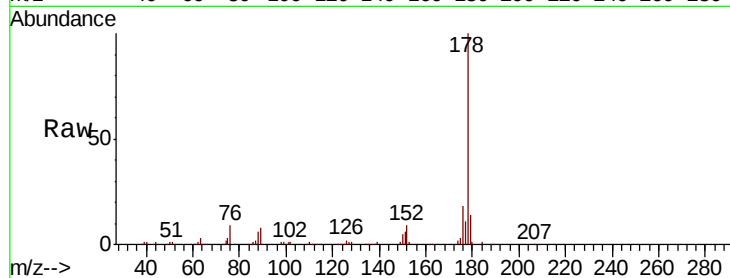




#71
Phenanthrene
Concen: 8.725 ng
RT: 17.53 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.1	24.1
179	14.4	13.0	19.4

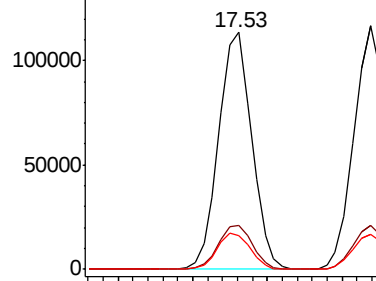


Abundance

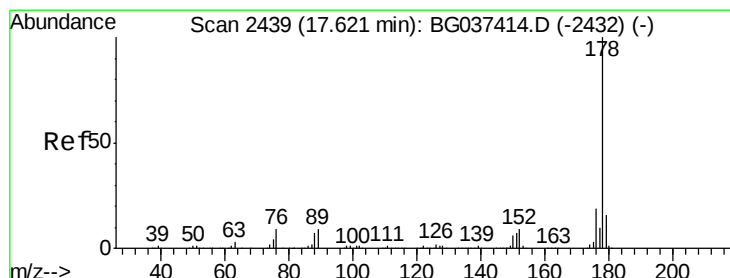
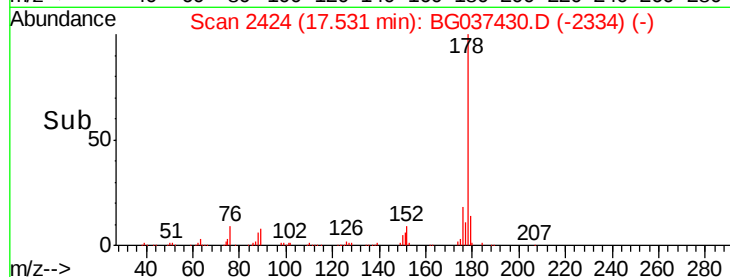
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

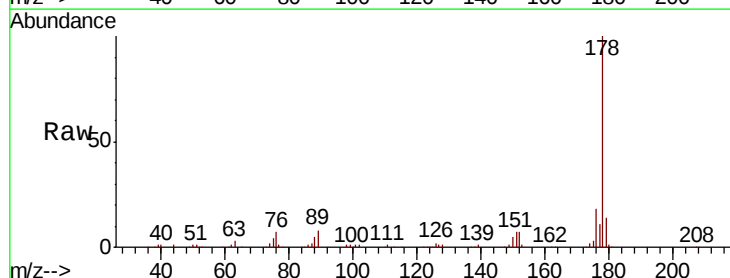


Time-->



#72
Anthracene
Concen: 8.995 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	14.2	12.8	19.2

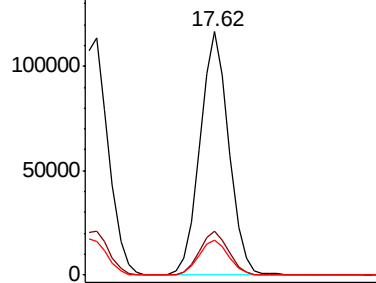


Abundance

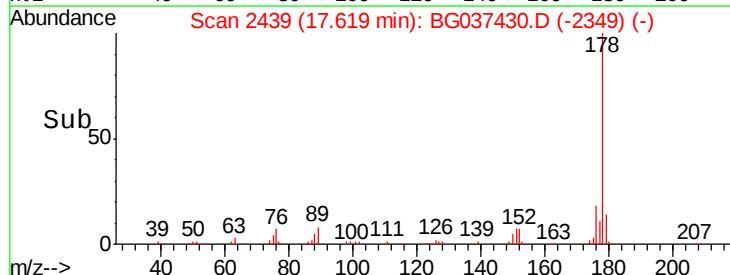
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

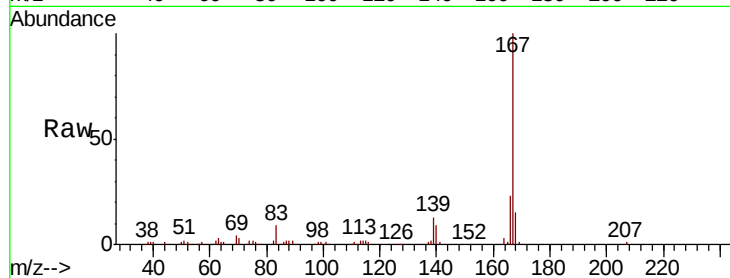




#73
 Carbazole
 Concen: 8.013 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.3	27.5
139	12.8	10.5	15.7

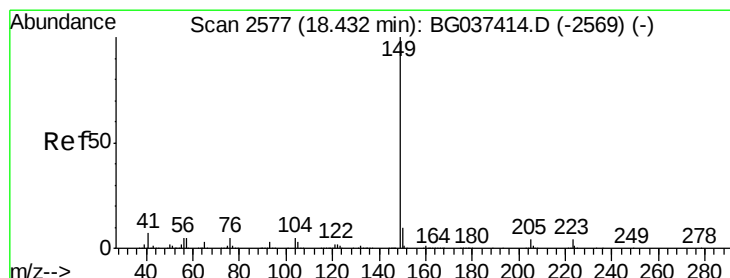
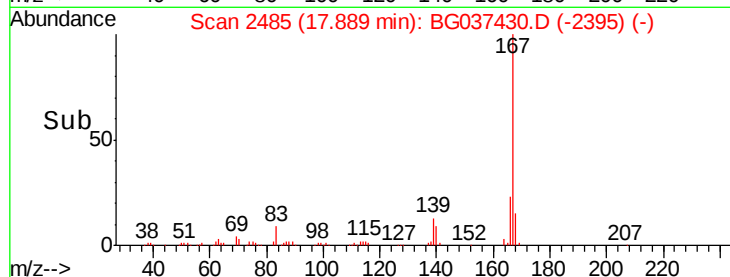
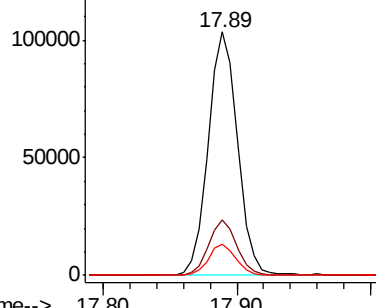


Abundance

Ion 167.00 (166.70 to 167.70): E

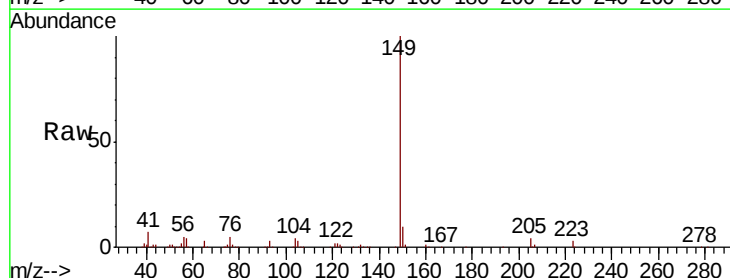
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 8.034 ng
 RT: 18.43 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.2	12.2
104	4.3	4.0	6.0

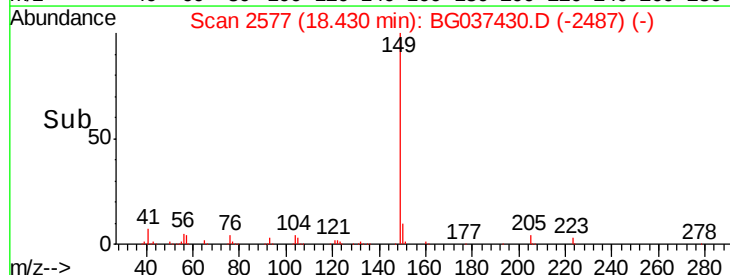
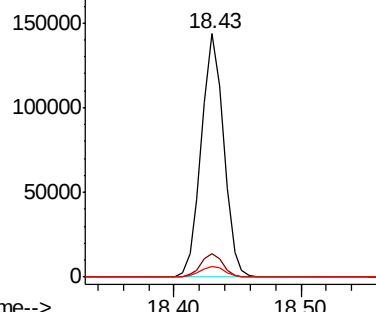


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.916 ng

RT: 19.53 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

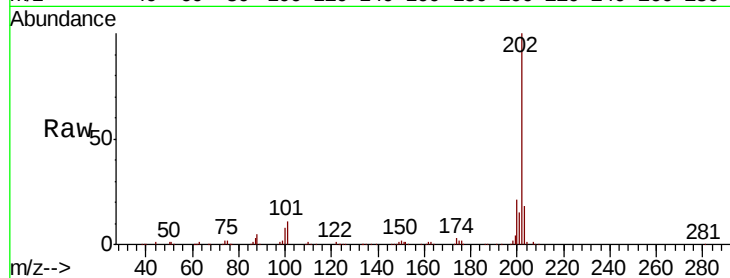
Tot Ion:202 Resp: 201569

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.7

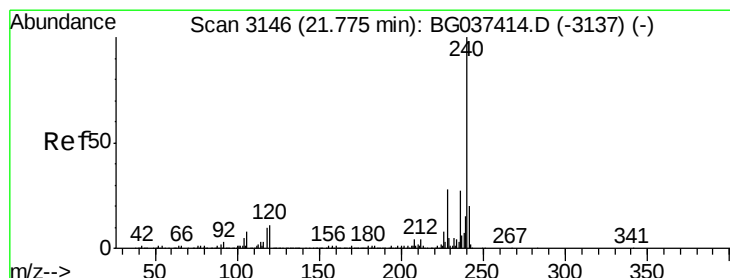
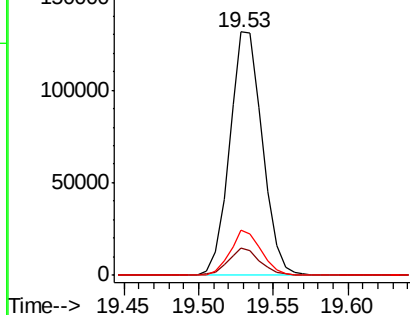
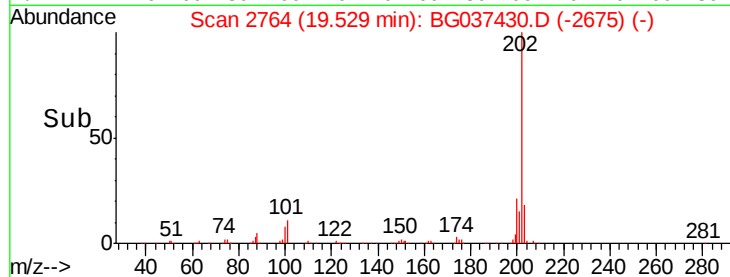
203 18.3 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

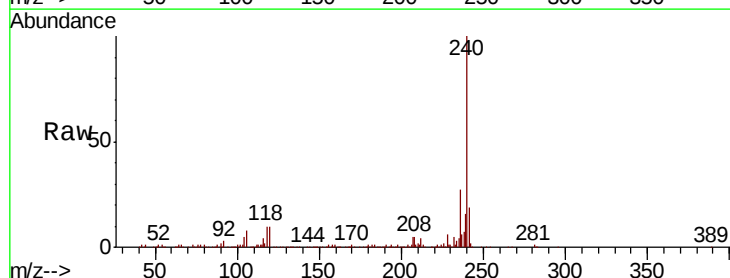
Tgt Ion:240 Resp: 367333

Ion Ratio Lower Upper

240 100

120 10.3 8.1 12.1

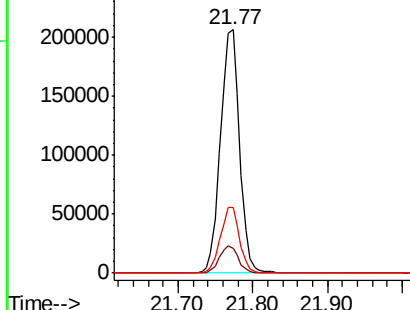
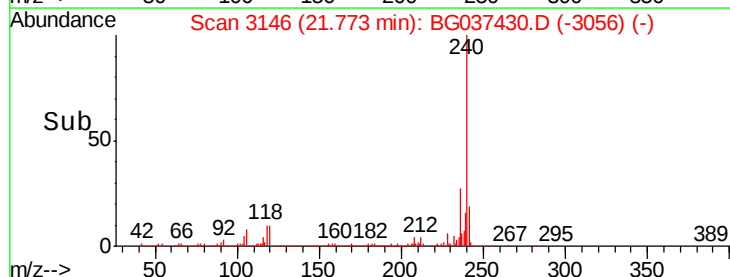
236 27.0 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.746 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

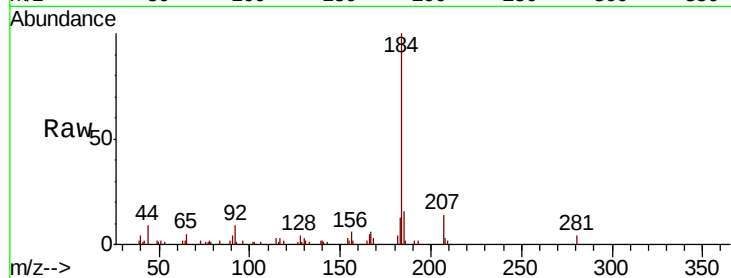
Tot Ion:184 Resp: 21811

Ion Ratio Lower Upper

184 100

185 15.7 12.6 18.8

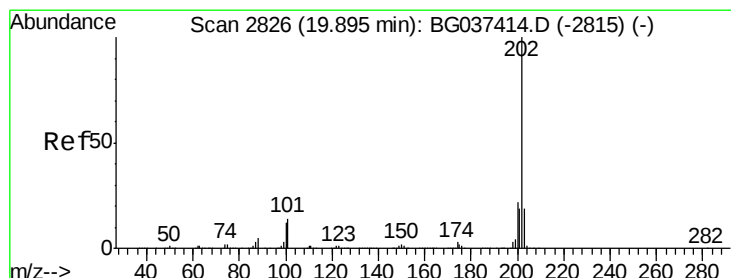
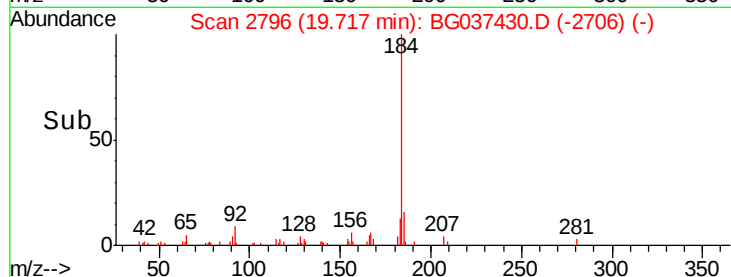
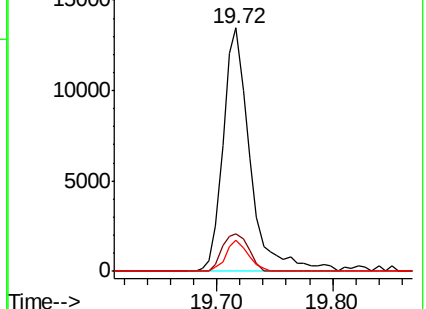
183 12.9 10.2 15.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.625 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

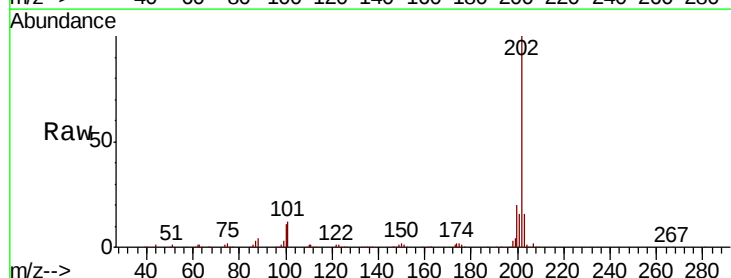
Tgt Ion:202 Resp: 207114

Ion Ratio Lower Upper

202 100

200 20.0 17.8 26.6

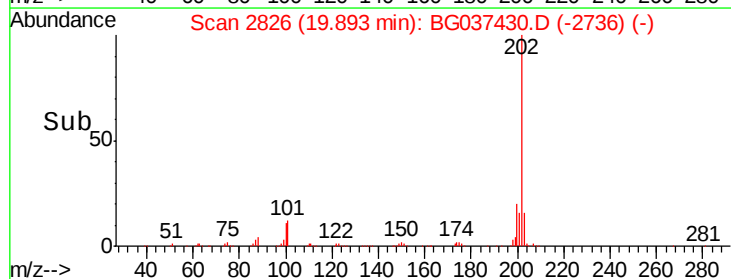
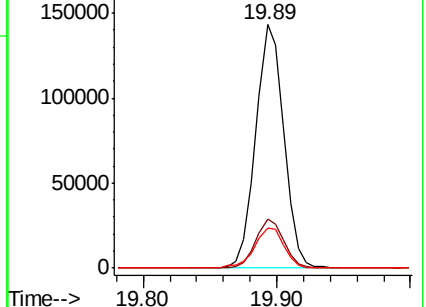
203 16.5 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.952 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

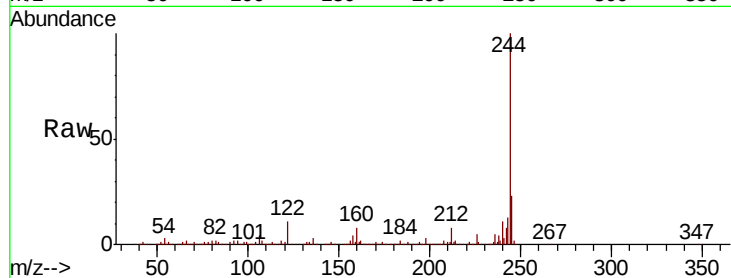
Tot Ion:244 Resp: 1340083

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

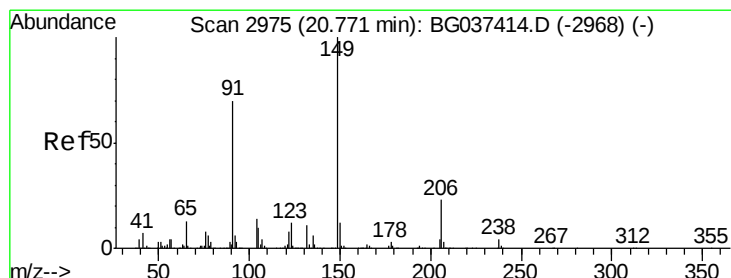
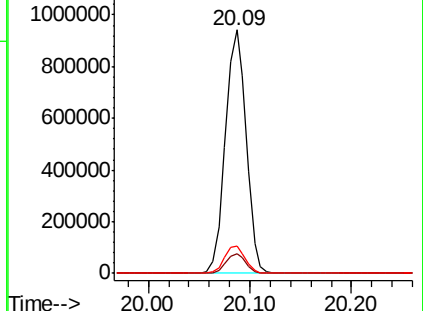
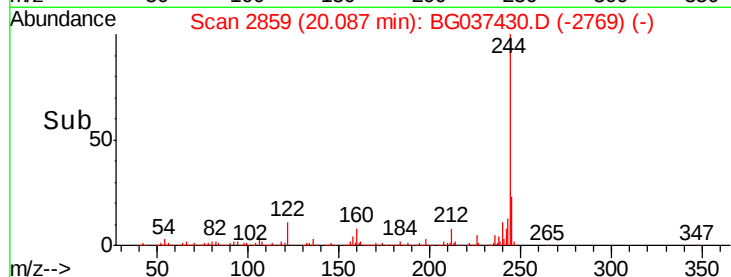
122 11.0 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.257 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

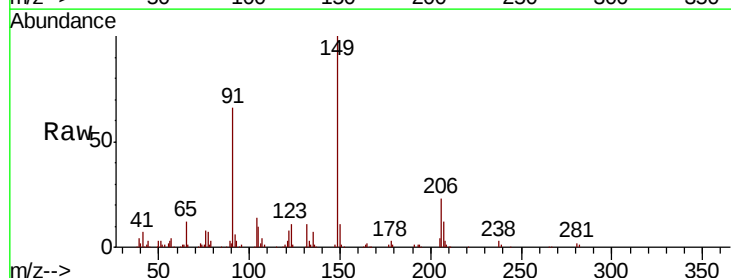
Tgt Ion:149 Resp: 71315

Ion Ratio Lower Upper

149 100

91 66.3 57.0 85.4

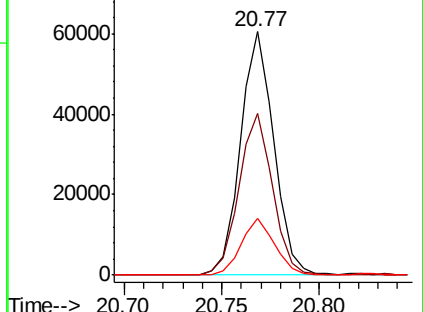
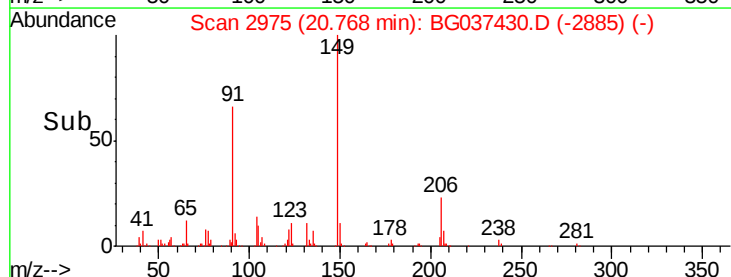
206 23.2 17.8 26.6



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: 8.686 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

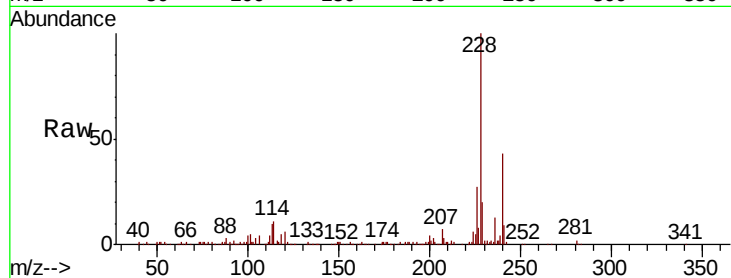
Tot Ion:228 Resp: 188718

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

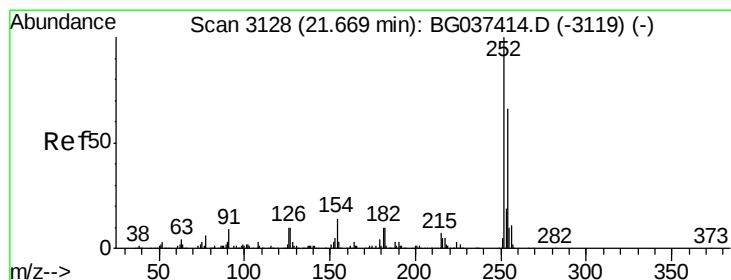
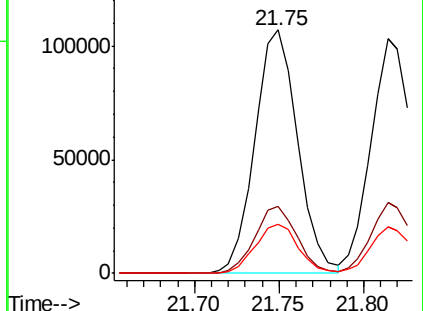
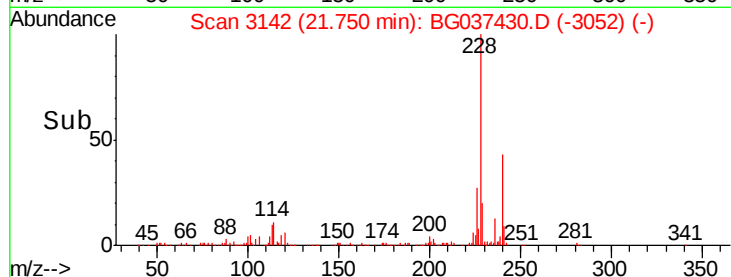
229 20.2 16.3 24.5



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: 5.059 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

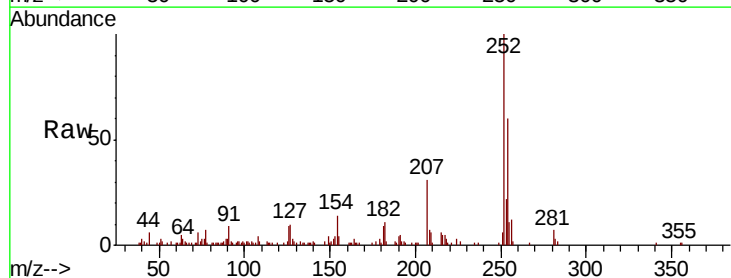
Tgt Ion:252 Resp: 42606

Ion Ratio Lower Upper

252 100

254 60.4 52.0 78.0

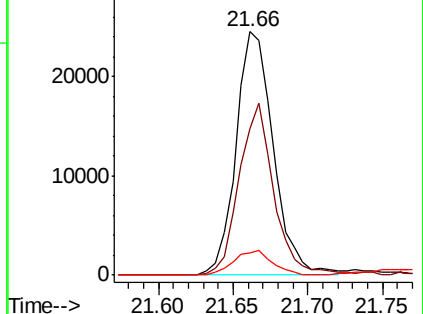
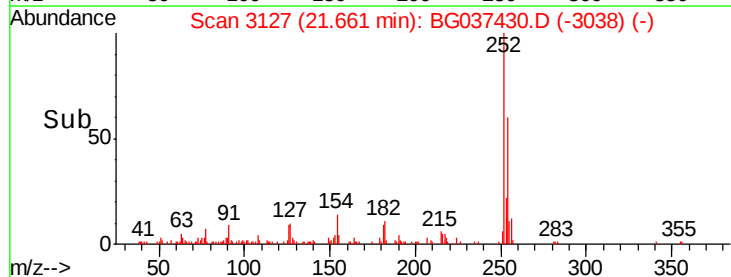
126 9.3 8.2 12.4

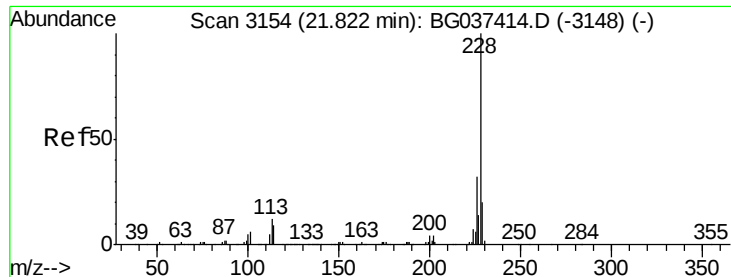


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

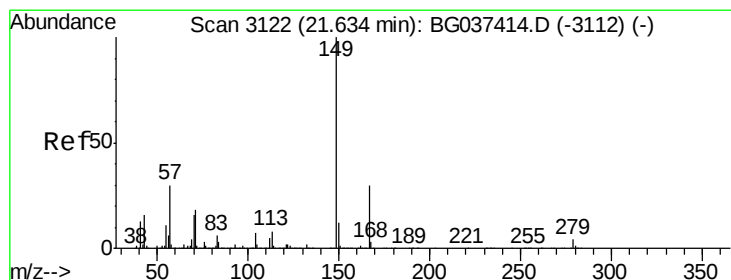
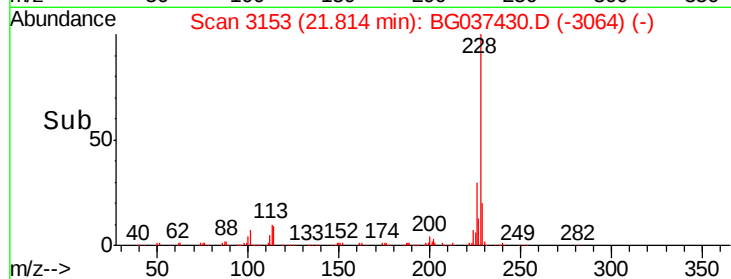
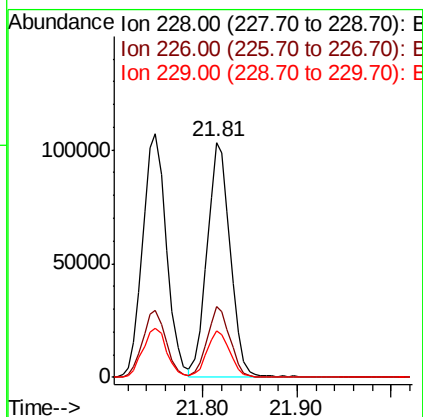
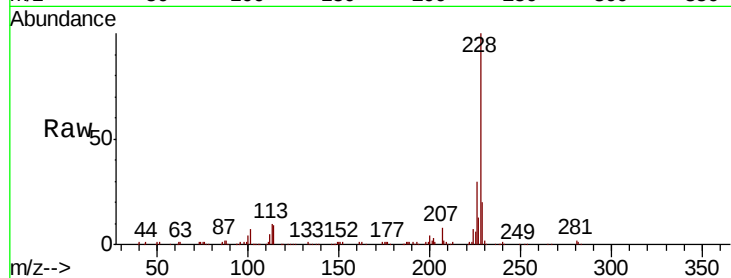




#83
 Chrysene
 Concen: 8.515 ng
 RT: 21.81 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

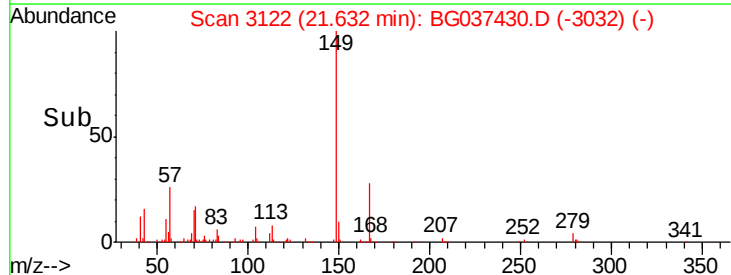
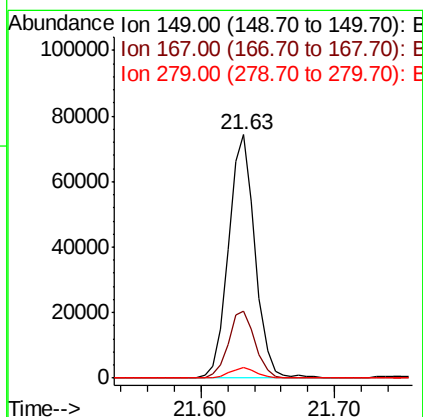
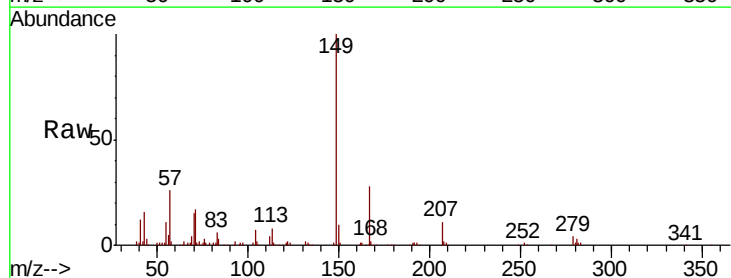
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion:228 Resp: 177908
 Ion Ratio Lower Upper
 228 100
 226 30.3 25.7 38.5
 229 19.9 16.5 24.7



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.487 ng
 RT: 21.63 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: BG037430.D
 Acq: 18 Oct 2018 21:52

Tgt Ion:149 Resp: 103132
 Ion Ratio Lower Upper
 149 100
 167 27.7 23.0 34.4
 279 4.5 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 7.315 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

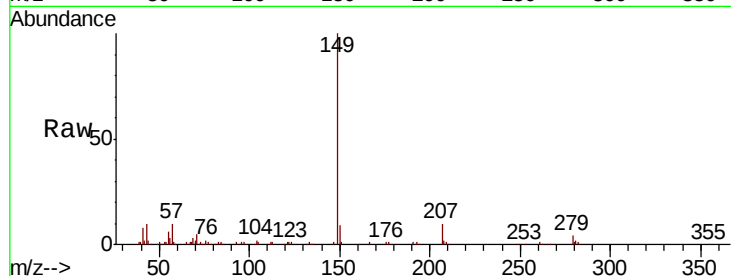
Tot Ion:149 Resp: 164318

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

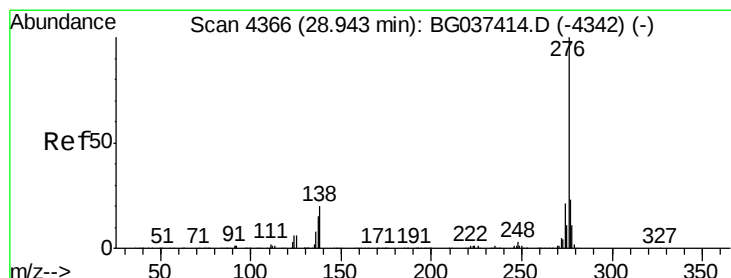
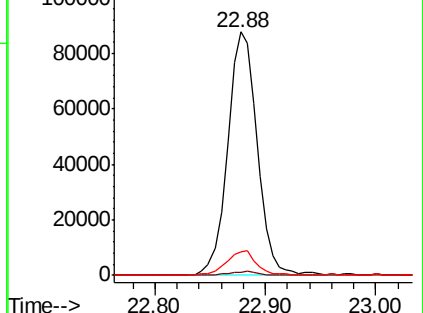
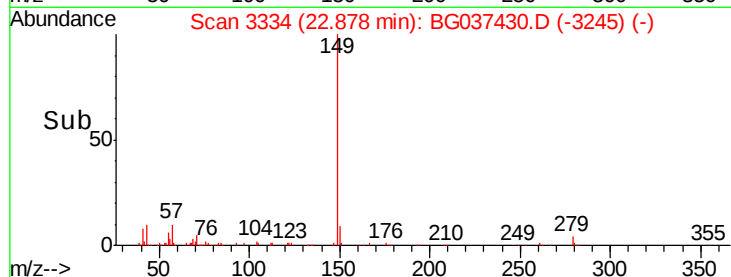
43 10.4 8.7 13.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.045 ng

RT: 28.92 min Scan# 4363

Delta R.T. -0.02 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

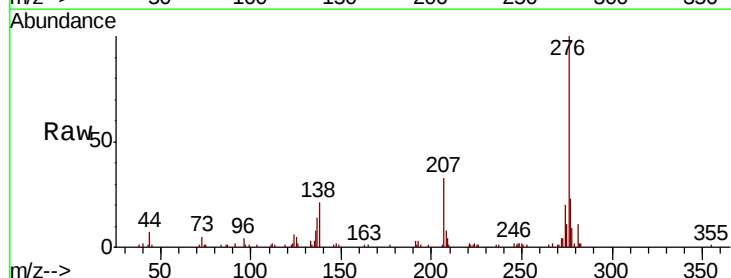
Tgt Ion:276 Resp: 157862

Ion Ratio Lower Upper

276 100

138 13.5 12.0 18.0

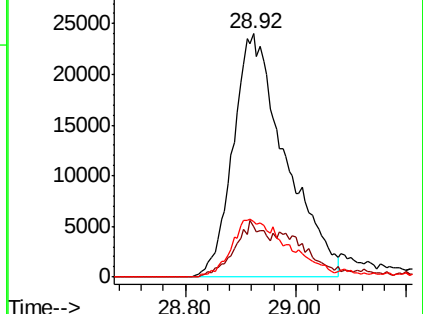
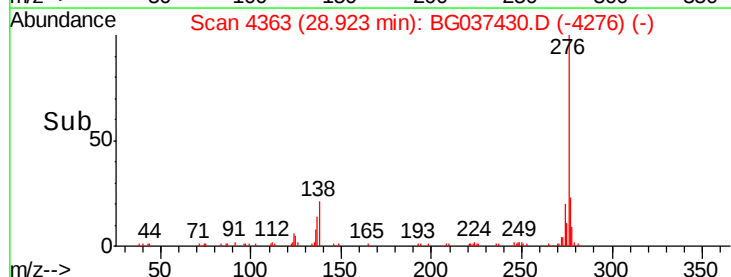
277 25.8 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

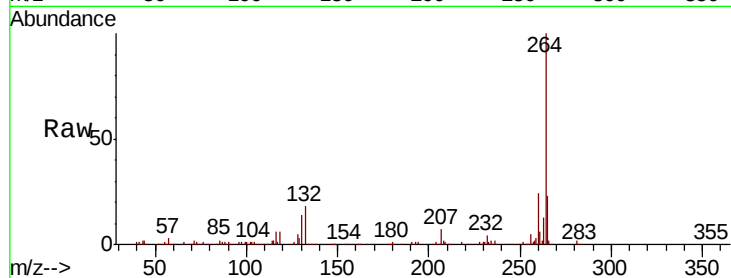
Tot Ion:264 Resp: 364929

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 23.0 17.9 26.9

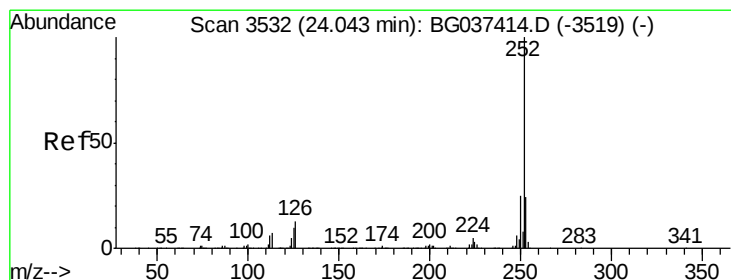
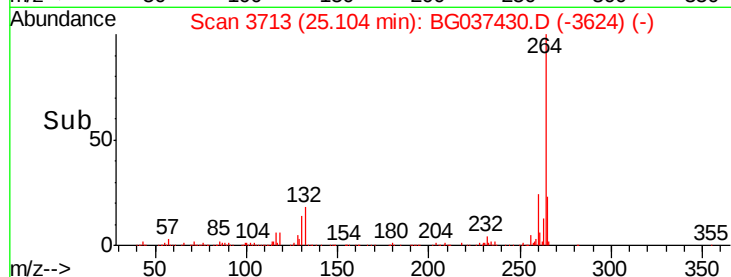
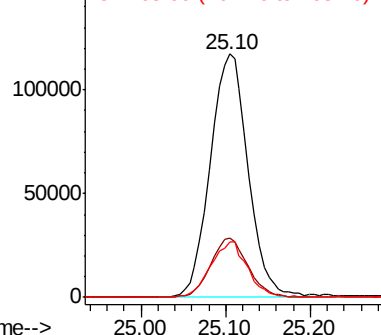


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.294 ng

RT: 24.04 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037430.D

Acq: 18 Oct 2018 21:52

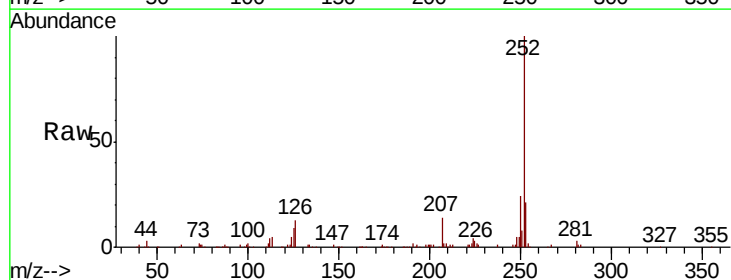
Tgt Ion:252 Resp: 165939

Ion Ratio Lower Upper

252 100

253 20.7 18.2 27.2

125 8.9 7.8 11.6

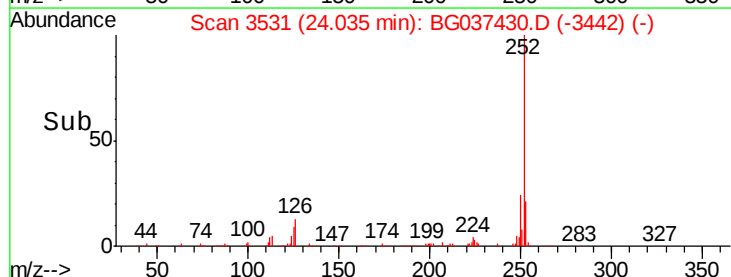
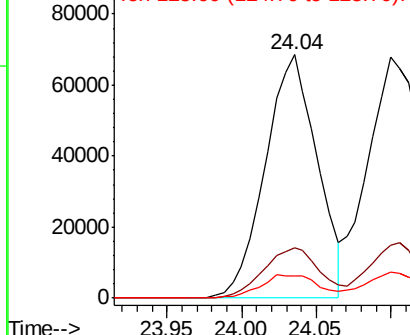


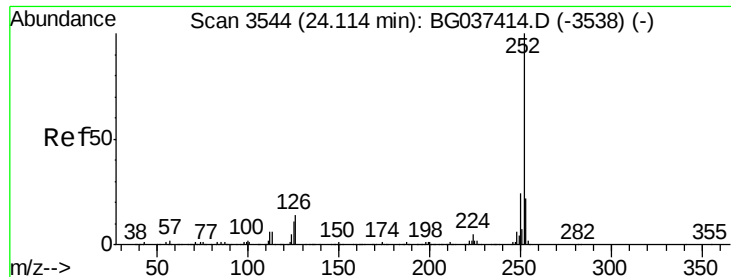
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

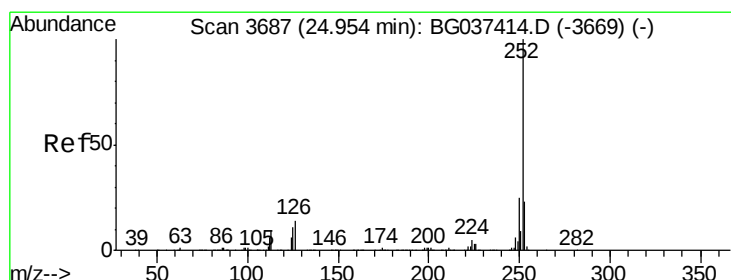
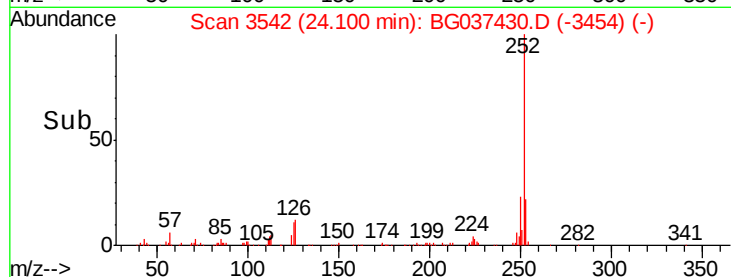
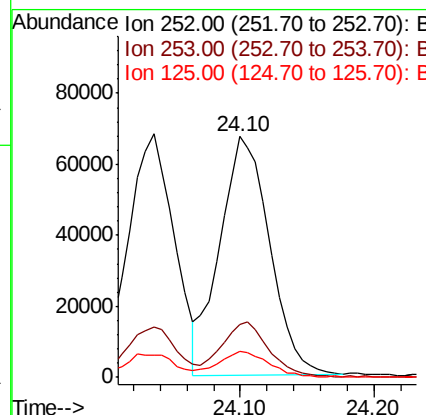
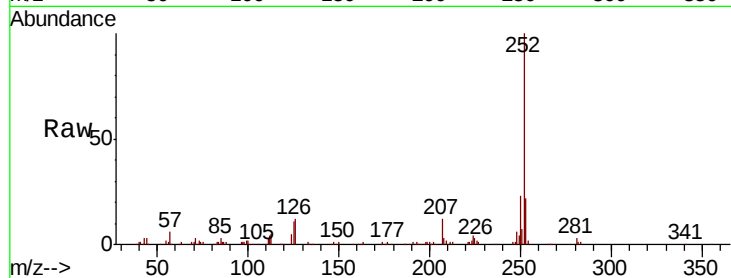




#89
Benzo(k)fluoranthene
Concen: 8.916 ng
RT: 24.10 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

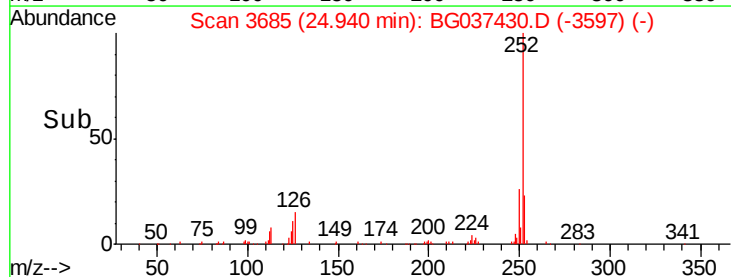
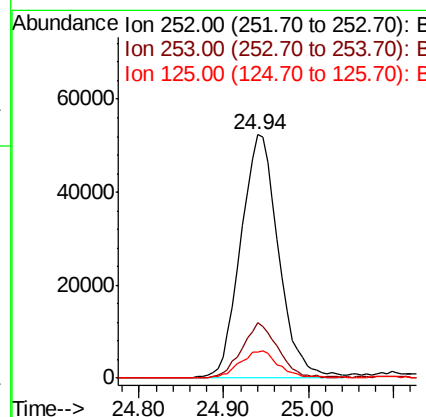
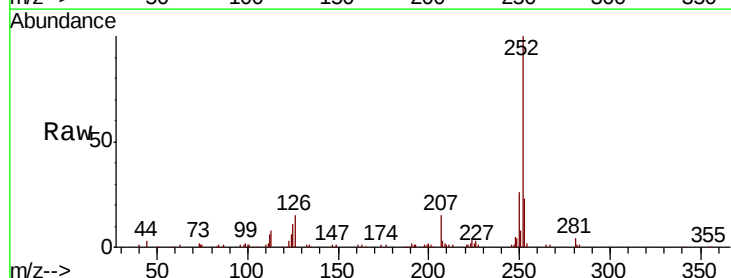
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

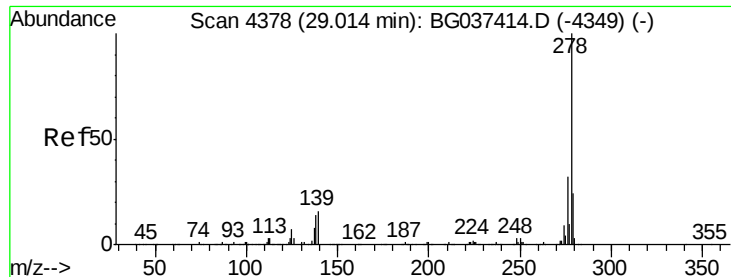
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.8	7.4	11.0



#90
Benzo(a)pyrene
Concen: 8.565 ng
RT: 24.94 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	10.9	9.0	13.6

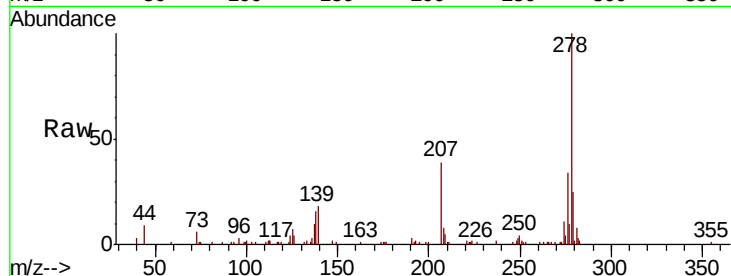




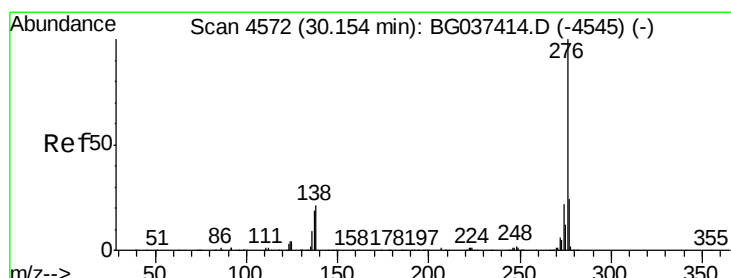
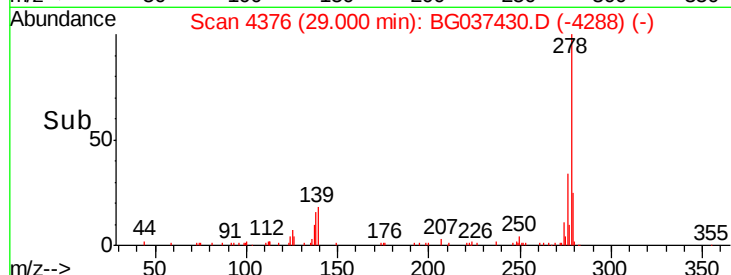
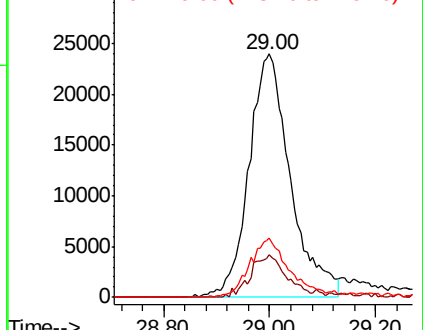
#91
Dibenzo(a,h)anthracene
Concen: 7.456 ng
RT: 29.00 min Scan# 4376
Delta R.T. -0.01 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	11.5	17.3#
279	24.5	18.6	27.8

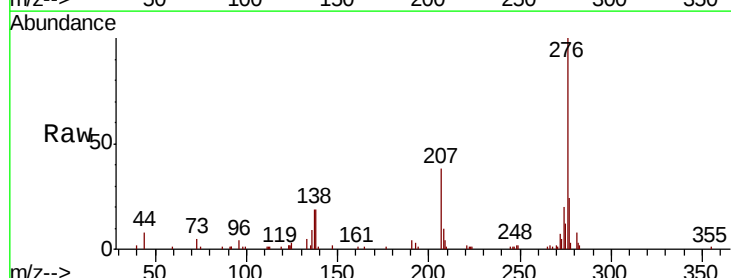


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.755 ng
RT: 30.12 min Scan# 4567
Delta R.T. -0.03 min
Lab File: BG037430.D
Acq: 18 Oct 2018 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	19.4	17.2	25.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

