

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037454.D
 Acq On : 19 Oct 2018 15:18
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 2PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 19 23:30:22 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	51191	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	241057	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	161971	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	391568	20.00	ng	0.00
76) Chrysene-d12	21.77	240	360291	20.00	ng	0.00
87) Perylene-d12	25.10	264	347520	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	416716	136.10	ng	0.00
7) Phenol-d6	7.24	99	615839	133.01	ng	0.00
23) Nitrobenzene-d5	9.28	82	354690	82.43	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	234350	132.66	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	871306	81.12	ng	0.00
79) Terphenyl-d14	20.09	244	1303284	77.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	2705	1.742	ng	# 61
3) Pyridine	3.95	79	7940	2.029	ng	# 74
4) n-Nitrosodimethylamine	3.87	42	3656	2.623	ng	# 57
6) Aniline	7.43	93	6999	1.239	ng	# 93
8) 2-Chlorophenol	7.66	128	7335	2.048	ng	95
9) Benzaldehyde	7.26	77	5738	1.981	ng	89
10) Phenol	7.27	94	10281	2.105	ng	93
11) bis(2-Chloroethyl)ether	7.53	93	7956	2.144	ng	84
12) 1,3-Dichlorobenzene	7.99	146	8136	2.040	ng	94
13) 1,4-Dichlorobenzene	7.99	146	8136	1.995	ng	92
14) 1,2-Dichlorobenzene	8.46	146	7898	2.013	ng	95
15) Benzyl Alcohol	8.34	79	6145	1.796	ng	89
16) 2,2'-oxybis(1-Chloropropan	8.63	45	13272	1.999	ng	93
17) 2-Methylphenol	8.54	107	6440	1.994	ng	95
18) Hexachloroethane	9.20	117	2637	1.896	ng	# 81
19) n-Nitroso-di-n-propylamine	8.91	70	6186	1.940	ng	# 94
20) 3+4-Methylphenols	8.86	107	8302	1.798	ng	91
22) Acetophenone	8.94	105	11591	1.917	ng	# 91
24) Nitrobenzene	9.32	77	9305	2.082	ng	92
25) Isophorone	9.84	82	15701	1.997	ng	# 97
26) 2-Nitrophenol	10.04	139	3218	1.598	ng	# 86
27) 2,4-Dimethylphenol	10.07	122	7062	1.964	ng	# 81
28) bis(2-Chloroethoxy)methane	10.32	93	10391	2.017	ng	95
29) 2,4-Dichlorophenol	10.56	162	6973	1.742	ng	97
30) 1,2,4-Trichlorobenzene	10.78	180	8604	1.976	ng	85
31) Naphthalene	10.98	128	26717	2.256	ng	99
32) Benzoic acid	10.14	122	236	0.101	ng	# 49
33) 4-Chloroaniline	11.09	127	6658	1.197	ng	# 91
34) Hexachlorobutadiene	11.25	225	4476	1.735	ng	98
35) Caprolactam	11.89	113	62	0.039	ng	# 42
36) 4-Chloro-3-methylphenol	12.19	107	7922	1.755	ng	94
37) 2-Methylnaphthalene	12.57	142	19465	2.255	ng	97
38) 1-Methylnaphthalene	12.79	142	18015	2.149	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	10257	1.963	ng	99

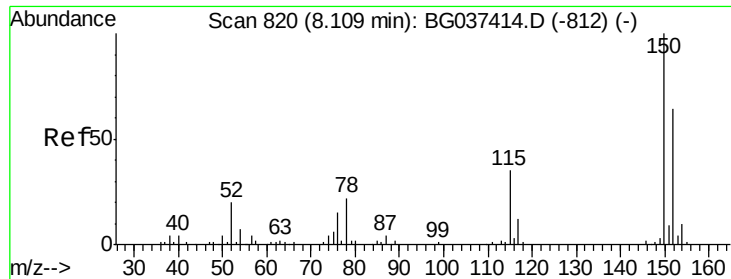
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037454.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	4520	1.811	ng	89
43) 2,4,6-Trichlorophenol	13.17	196	5616	1.609	ng	93
44) 2,4,5-Trichlorophenol	13.24	196	6224	1.638	ng #	82
46) 1,1'-Biphenyl	13.57	154	26653	1.987	ng	97
47) 2-Chloronaphthalene	13.62	162	20631	2.033	ng	98
48) 2-Nitroaniline	13.83	65	4600	1.495	ng	92
49) Acenaphthylene	14.47	152	32668	2.140	ng	95
50) Dimethylphthalate	14.18	163	26261	2.096	ng #	97
51) 2,6-Dinitrotoluene	14.31	165	4369	1.576	ng	92
52) Acenaphthene	14.80	154	19803	2.106	ng	98
53) 3-Nitroaniline	14.65	138	3986	1.295	ng #	79
55) Dibenzofuran	15.14	168	34423	2.210	ng	97
56) 4-Nitrophenol	14.94	139	1460	0.641	ng	90
57) 2,4-Dinitrotoluene	15.10	165	5837	1.604	ng #	87
58) Fluorene	15.78	166	26661	2.286	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.35	232	4890	1.503	ng #	96
60) Diethylphthalate	15.54	149	25468	1.980	ng	99
61) 4-Chlorophenyl-phenylether	15.78	204	12947	1.904	ng	99
62) 4-Nitroaniline	15.81	138	4739	1.550	ng	86
63) Azobenzene	16.06	77	25386	2.068	ng	96
65) 4,6-Dinitro-2-methylphenol	16.22	198	862	8.853	ng	88
66) n-Nitrosodiphenylamine	15.99	169	22740	1.931	ng	94
67) 4-Bromophenyl-phenylether	16.67	248	8518	1.981	ng	93
68) Hexachlorobenzene	16.77	284	8244	1.850	ng #	85
69) Atrazine	16.93	200	7408	1.740	ng	89
70) Pentachlorophenol	17.12	266	1462	0.490	ng #	79
71) Phenanthrene	17.53	178	45797	2.301	ng	99
72) Anthracene	17.53	178	45797	2.345	ng	98
73) Carbazole	17.89	167	34779	1.780	ng #	96
74) Di-n-butylphthalate	18.43	149	39304	1.809	ng #	99
75) Fluoranthene	19.53	202	48300	2.140	ng	98
77) Benzidine	19.72	184	4123	0.337	ng #	93
78) Pyrene	19.89	202	47785	2.029	ng	96
80) Butylbenzylphthalate	20.77	149	15976	1.657	ng #	90
81) Benzo(a)anthracene	21.75	228	45134	2.118	ng	97
82) 3,3'-Dichlorobenzidine	21.66	252	8510	1.030	ng	90
83) Chrysene	21.82	228	44018	2.148	ng	97
84) Bis(2-ethylhexyl)phthalate	21.63	149	20116	1.489	ng #	97
85) Di-n-octyl phthalate	22.88	149	31204	1.416	ng #	96
86) Indeno(1,2,3-cd)pyrene	28.91	276	8260	0.376	ng #	59
88) Benzo(b)fluoranthene	24.03	252	37752	1.981	ng #	96
89) Benzo(k)fluoranthene	24.10	252	40699	2.180	ng #	92
90) Benzo(a)pyrene	24.94	252	35712	1.973	ng	97
91) Dibenzo(a,h)anthracene	29.01	278	21971	1.316	ng #	95
92) Benzo(g,h,i)perylene	30.12	276	28305	1.675	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 820

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

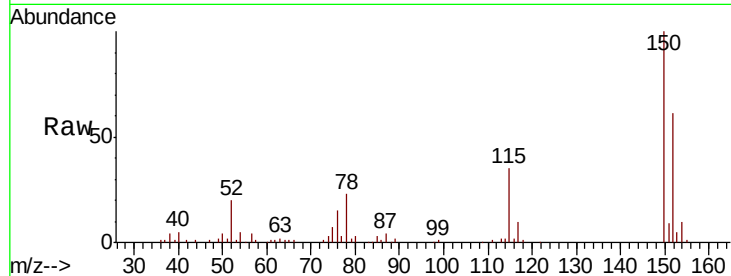
Tgt Ion:152 Resp: 51191

Ion Ratio Lower Upper

152 100

150 163.2 126.0 189.0

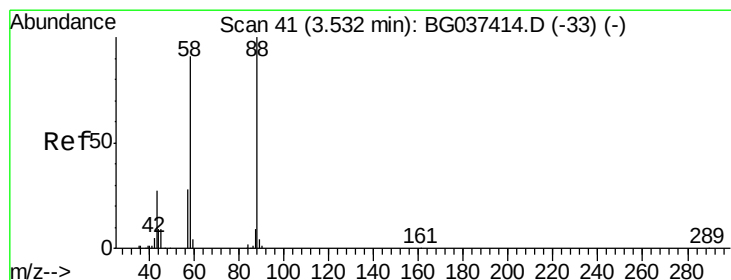
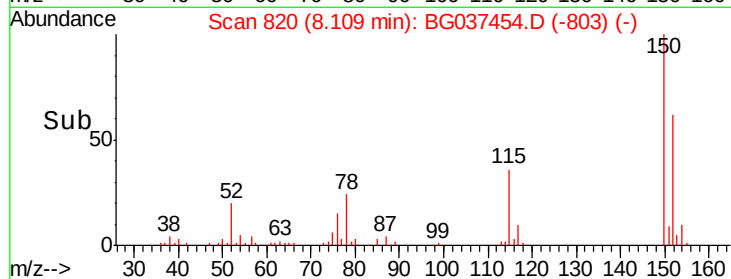
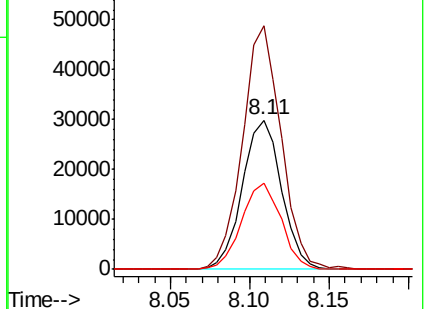
115 57.6 45.5 68.3



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



#2

1,4-Dioxane

Concen: 1.742 ng

RT: 3.53 min Scan# 41

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

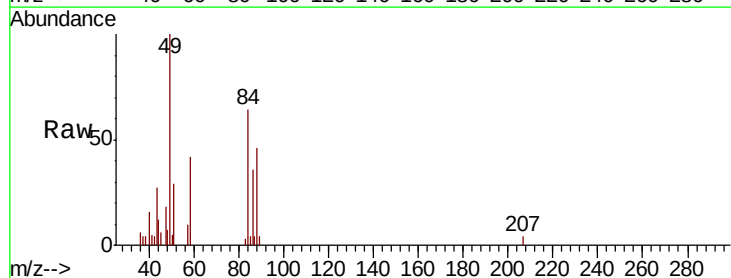
Tgt Ion: 88 Resp: 2705

Ion Ratio Lower Upper

88 100

58 137.3 74.4 111.6#

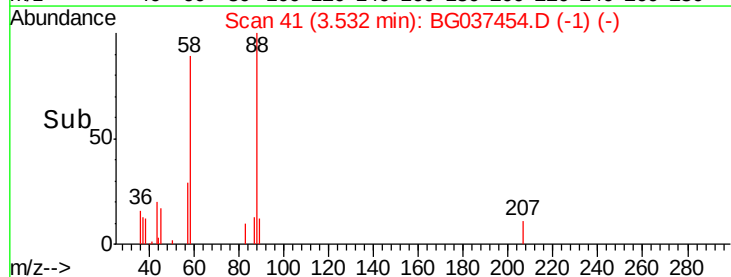
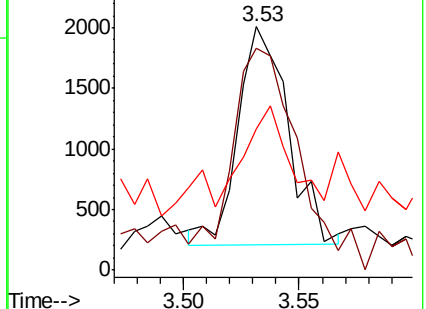
43 42.0 25.8 38.8#

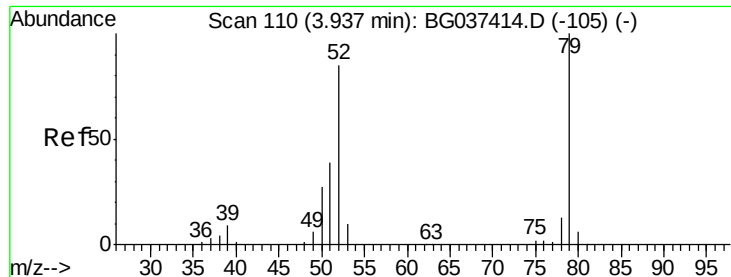


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 2.029 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

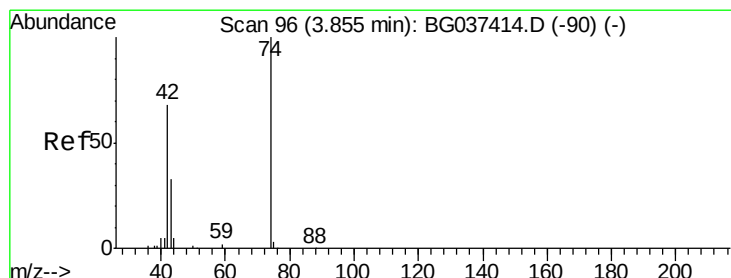
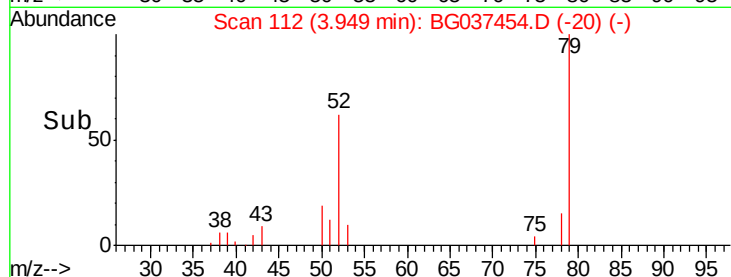
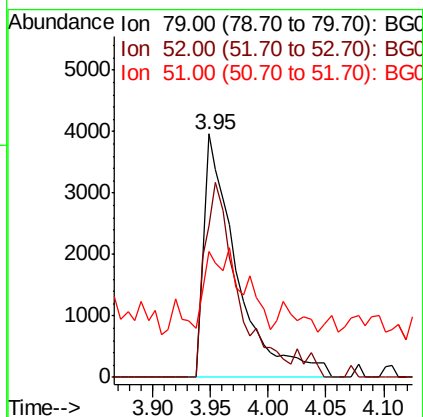
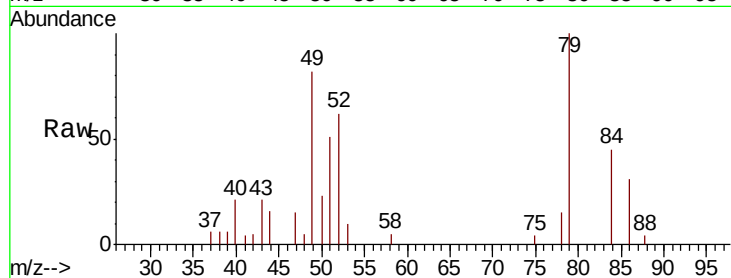
Tgt Ion: 79 Resp: 7940

Ion Ratio Lower Upper

79 100

52 62.0 74.2 111.2#

51 51.5 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 2.623 ng

RT: 3.87 min Scan# 98

Delta R.T. 0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

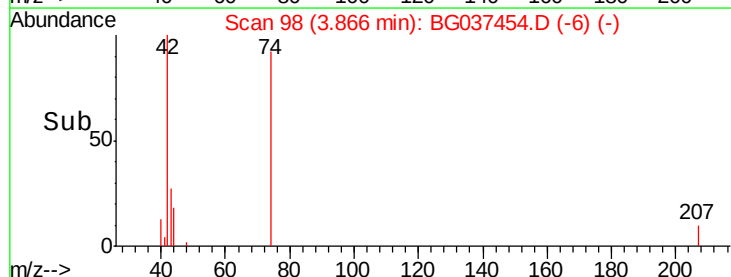
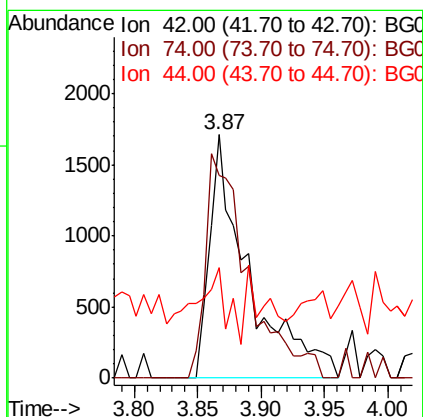
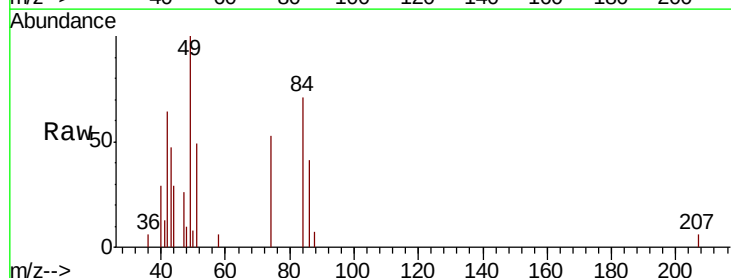
Tgt Ion: 42 Resp: 3656

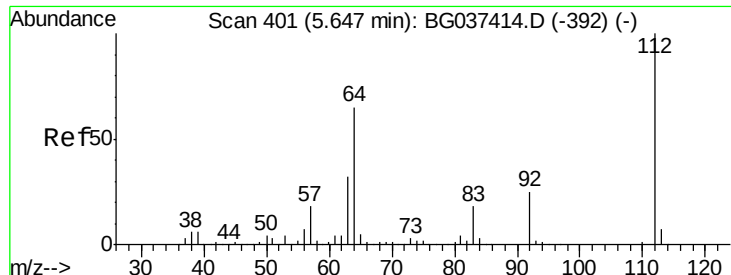
Ion Ratio Lower Upper

42 100

74 83.0 102.0 153.0#

44 45.2 9.6 14.4#





#5

2-Fluorophenol

Concen: 136.096 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

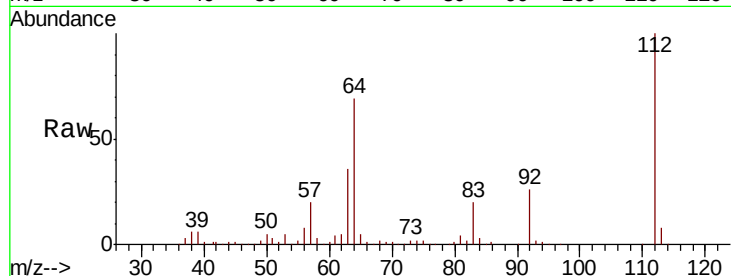
Tgt Ion: 112 Resp: 416716

Ion Ratio Lower Upper

112 100

64 68.6 53.1 79.7

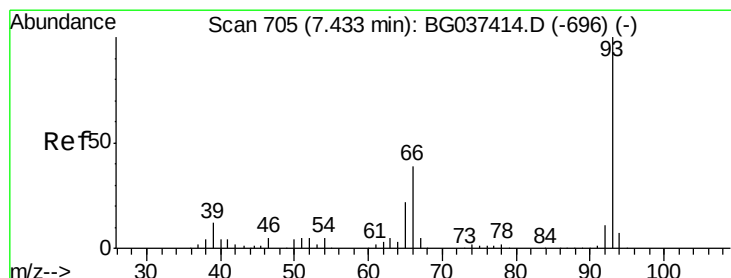
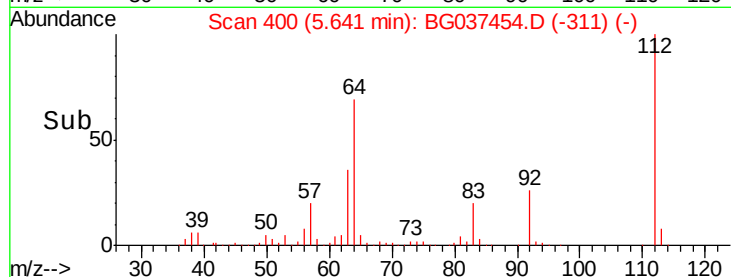
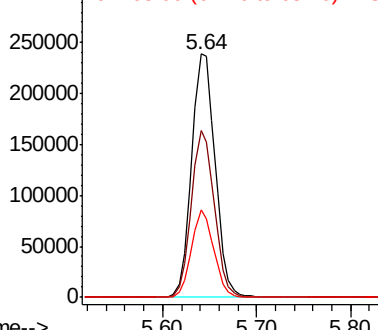
63 35.8 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 1.239 ng

RT: 7.43 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

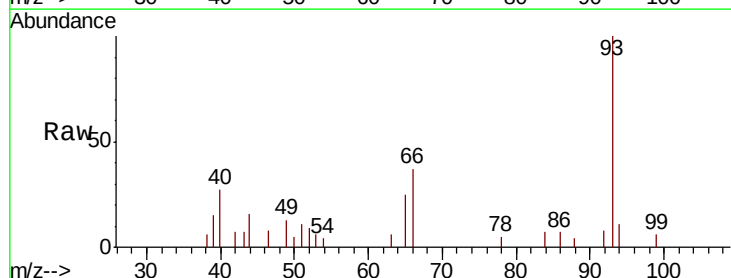
Tgt Ion: 93 Resp: 6999

Ion Ratio Lower Upper

93 100

66 37.1 32.8 49.2

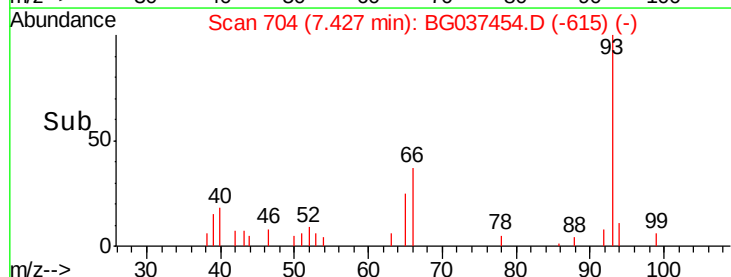
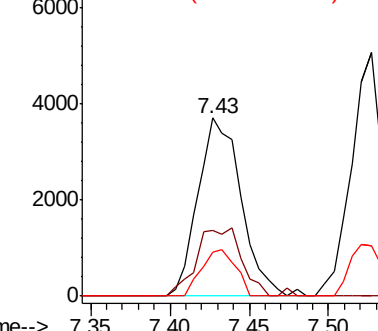
65 24.9 16.4 24.6#

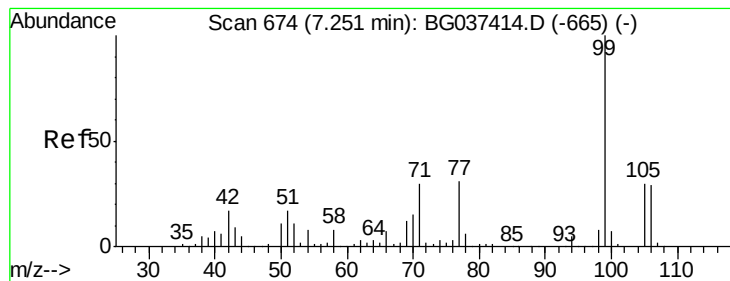


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 133.010 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

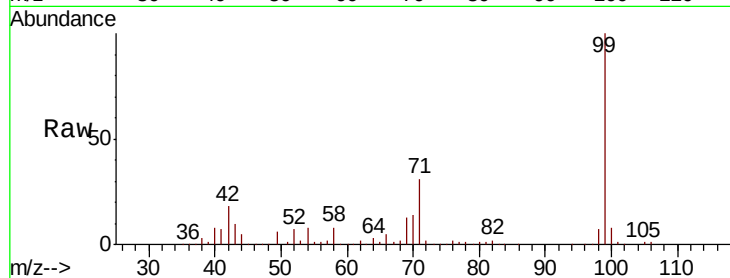
Tgt Ion: 99 Resp: 615839

Ion Ratio Lower Upper

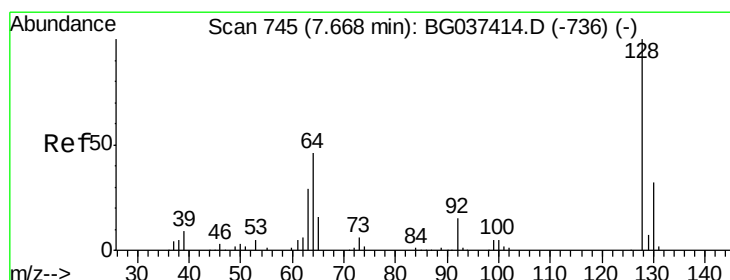
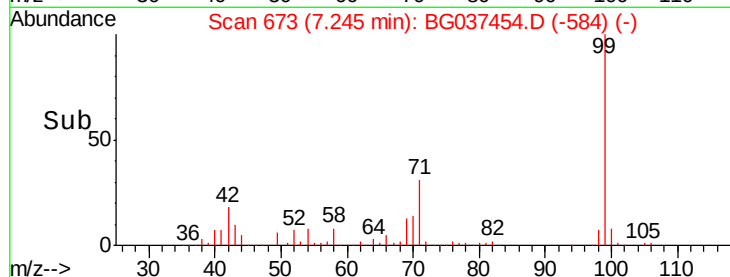
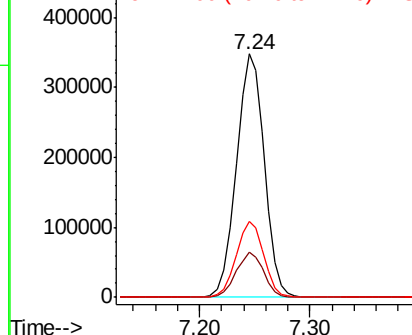
99 100

42 18.4 15.0 22.4

71 31.0 25.5 38.3



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



#8

2-Chlorophenol

Concen: 2.048 ng

RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

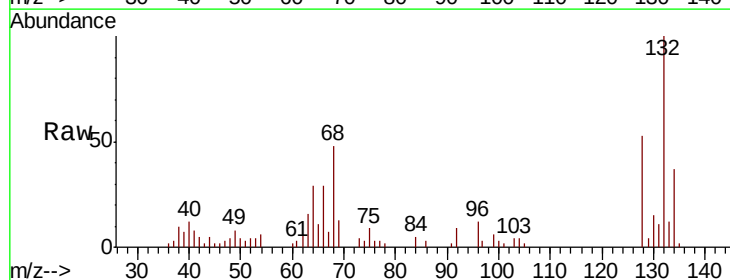
Tgt Ion: 128 Resp: 7335

Ion Ratio Lower Upper

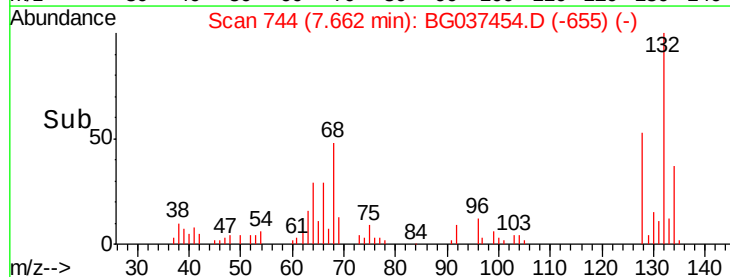
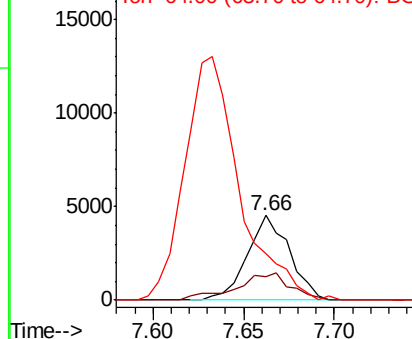
128 100

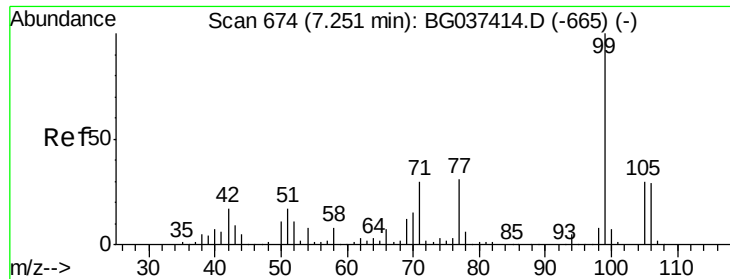
130 27.5 12.0 52.0

64 55.6 32.9 72.9



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





#9

Benzaldehyde

Concen: 1.981 ng

RT: 7.26 min Scan# 675

Delta R.T. 0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

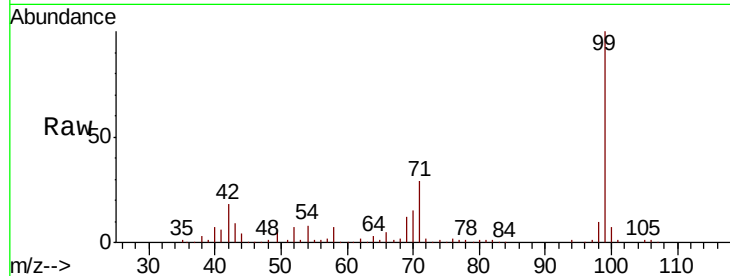
Tgt Ion: 77 Resp: 5738

Ion Ratio Lower Upper

77 100

105 78.0 72.6 112.6

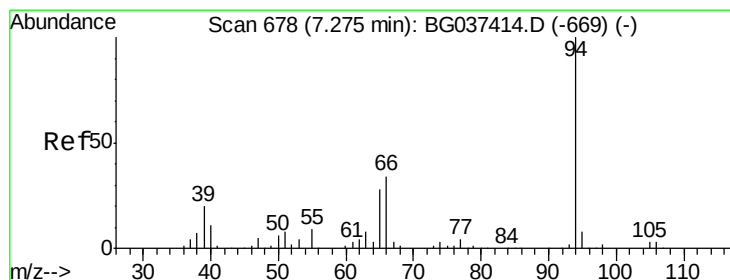
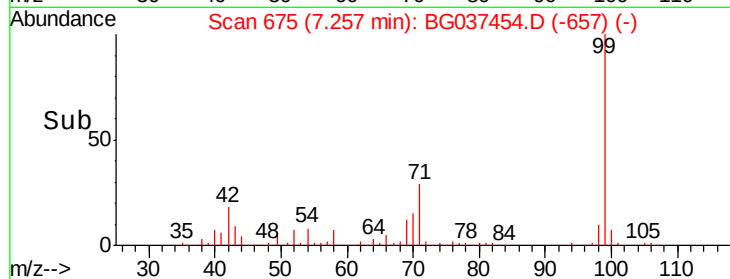
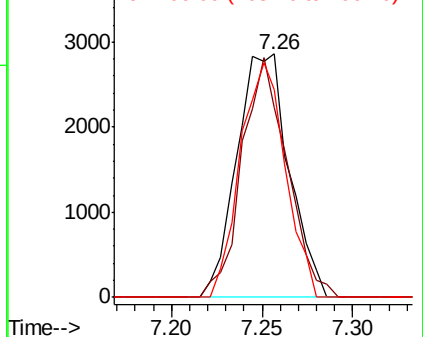
106 85.4 71.3 111.3



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 2.105 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

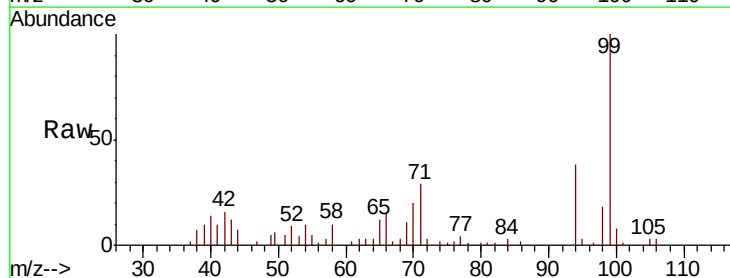
Tgt Ion: 94 Resp: 10281

Ion Ratio Lower Upper

94 100

65 33.0 9.7 49.7

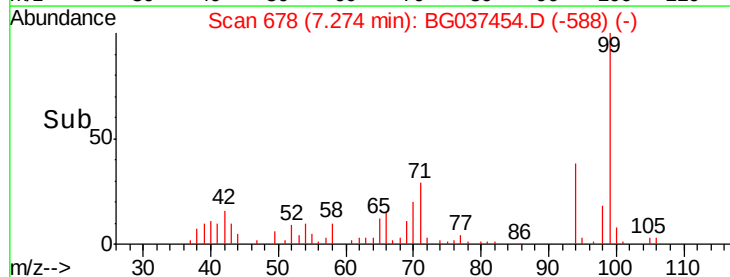
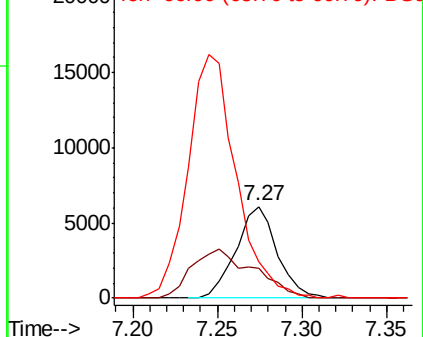
66 40.2 15.9 55.9

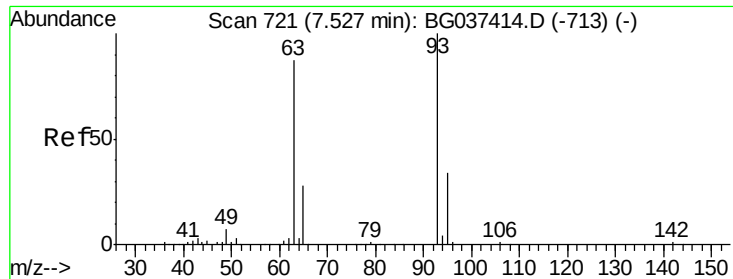


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

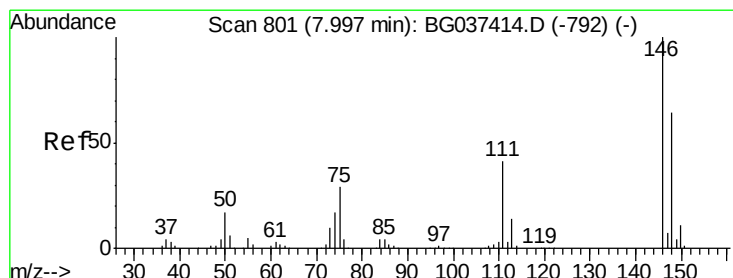
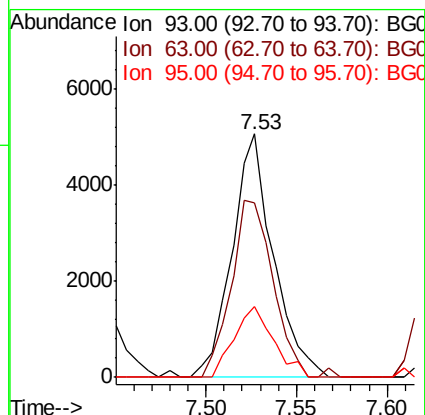
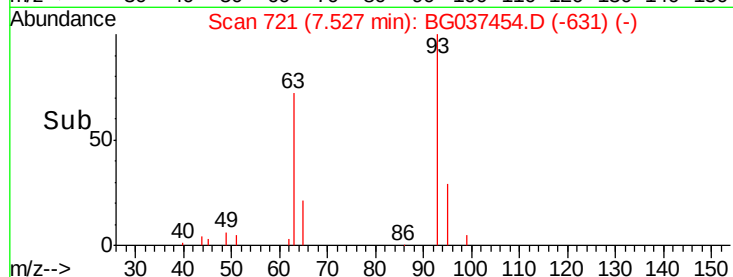
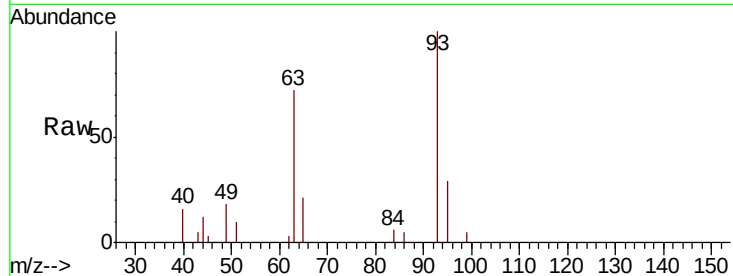




#11
 bis(2-Chloroethyl)ether
 Concen: 2.144 ng
 RT: 7.53 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

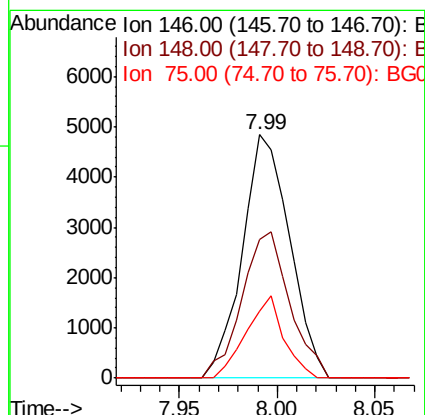
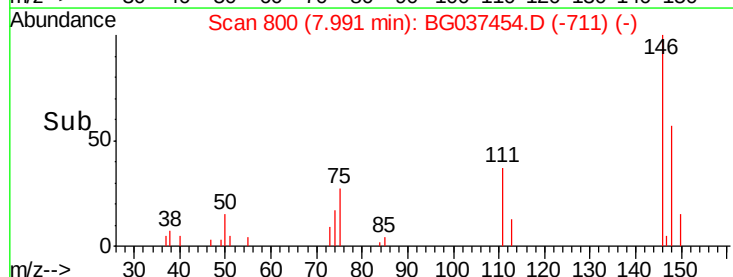
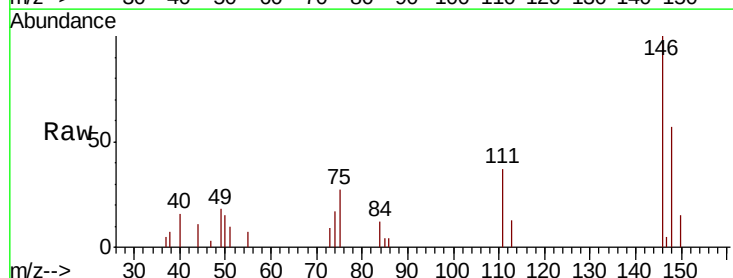
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

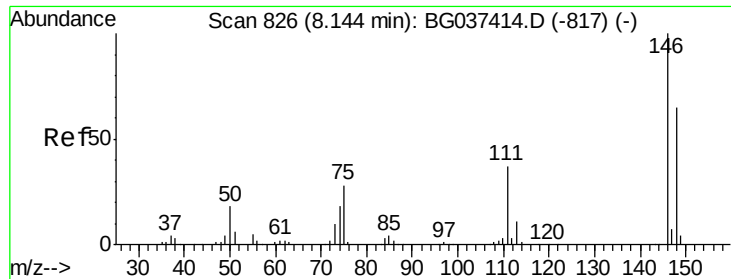
Tgt Ion: 93 Resp: 7956
 Ion Ratio Lower Upper
 93 100
 63 71.5 69.5 109.5
 95 29.1 12.6 52.6



#12
 1,3-Dichlorobenzene
 Concen: 2.040 ng
 RT: 7.99 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion: 146 Resp: 8136
 Ion Ratio Lower Upper
 146 100
 148 56.9 49.8 74.8
 75 27.4 23.2 34.8

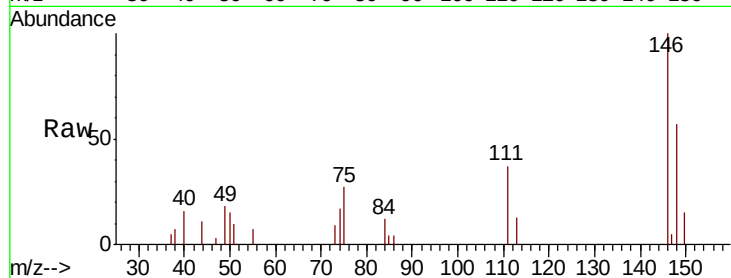




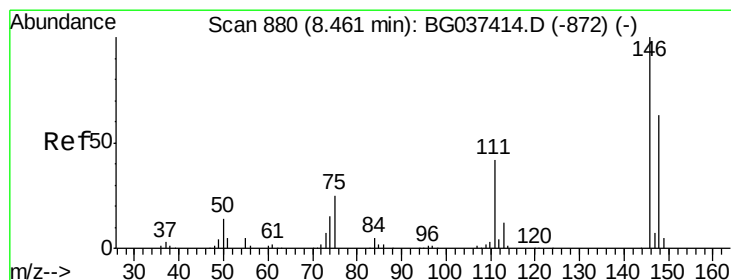
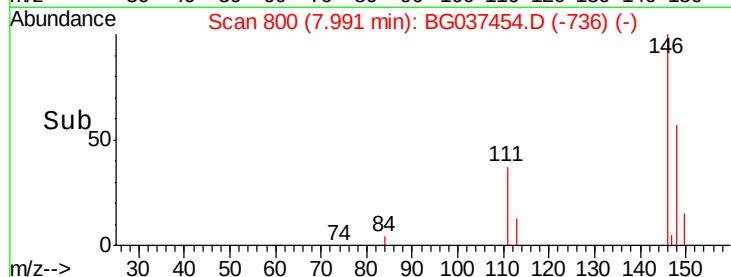
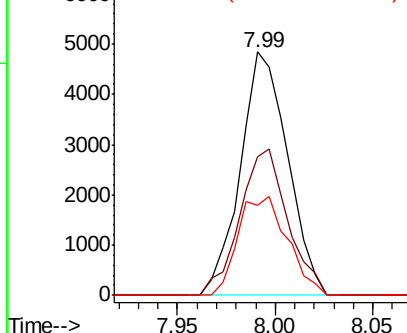
#13
 1,4-Dichlorobenzene
 Concen: 1.995 ng
 RT: 7.99 min Scan# 800
 Delta R.T. -0.15 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

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

Tgt Ion:146 Resp: 8136
 Ion Ratio Lower Upper
 146 100
 148 56.9 51.0 76.6
 111 36.8 32.4 48.6

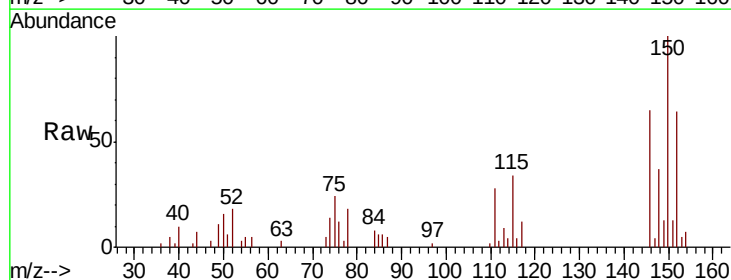


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

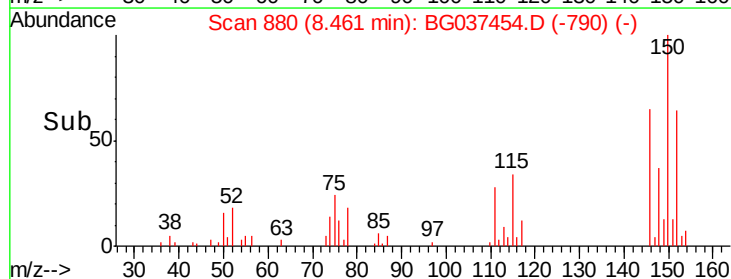
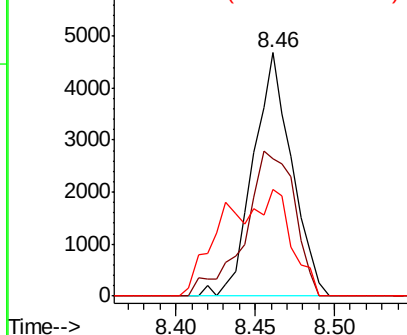


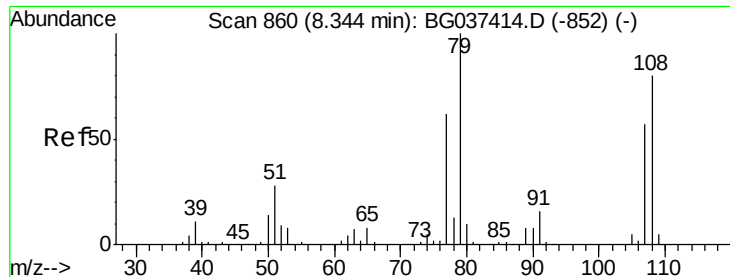
#14
 1,2-Dichlorobenzene
 Concen: 2.013 ng
 RT: 8.46 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion:146 Resp: 7898
 Ion Ratio Lower Upper
 146 100
 148 56.6 50.4 75.6
 111 43.7 34.6 51.8



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





#15

Benzyl Alcohol

Concen: 1.796 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

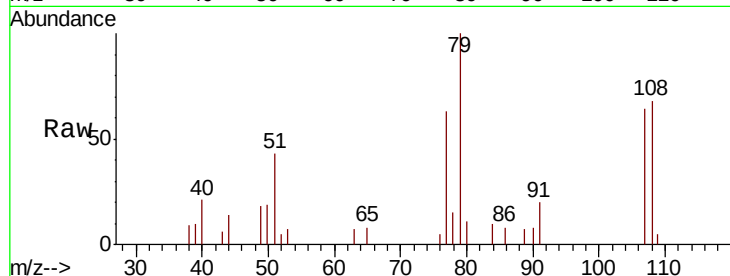
Tgt Ion: 79 Resp: 6145

Ion Ratio Lower Upper

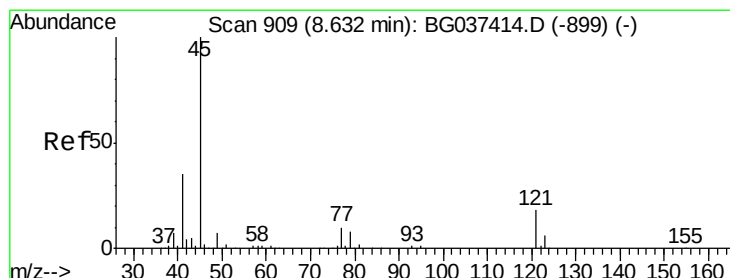
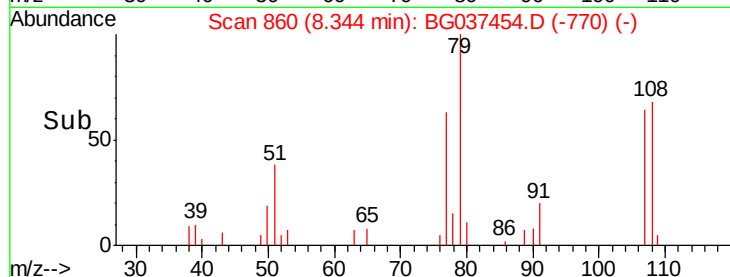
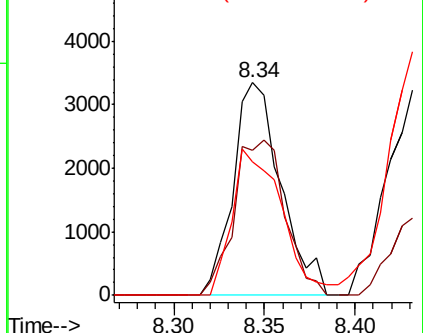
79 100

108 68.1 65.8 98.8

77 62.8 52.9 79.3



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.999 ng

RT: 8.63 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

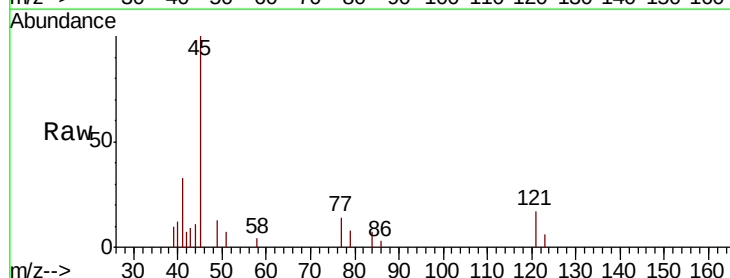
Tgt Ion: 45 Resp: 13272

Ion Ratio Lower Upper

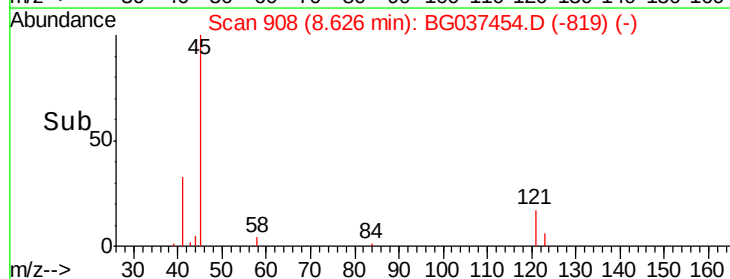
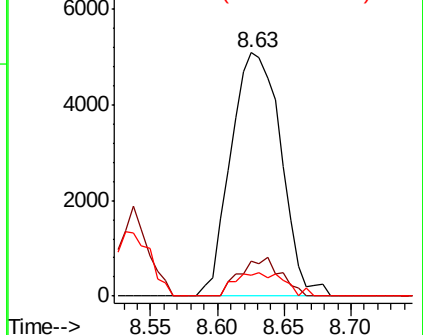
45 100

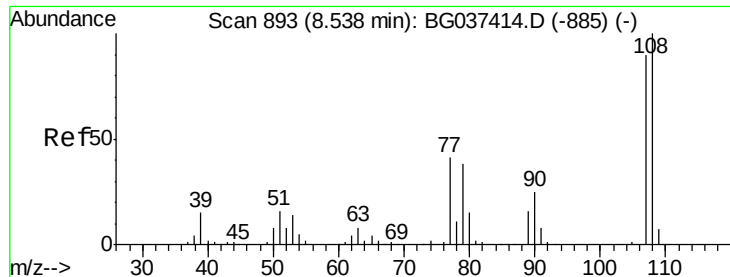
77 14.3 0.0 30.0

79 8.4 0.0 29.0



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

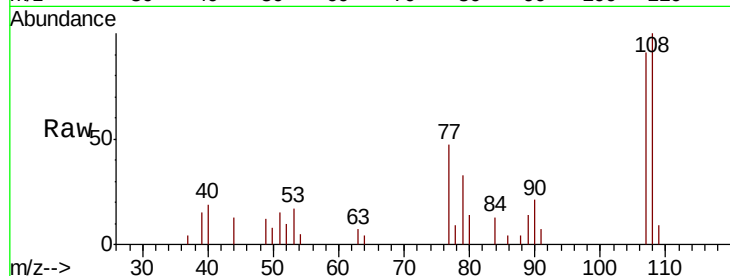




#17
2-Methylphenol
Concen: 1.994 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

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

Tgt Ion:	107	Resp:	6440
Ion	Ratio	Lower	Upper
107	100		
108	109.6	87.9	131.9
77	51.2	35.1	52.7
79	36.3	34.5	51.7



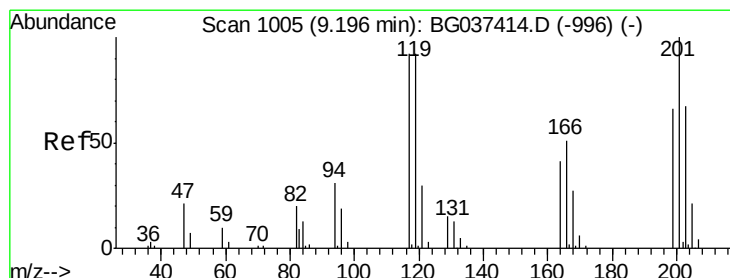
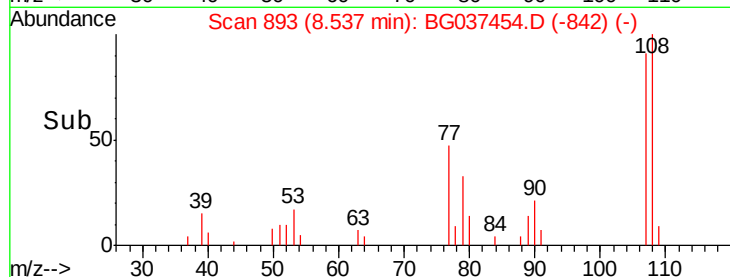
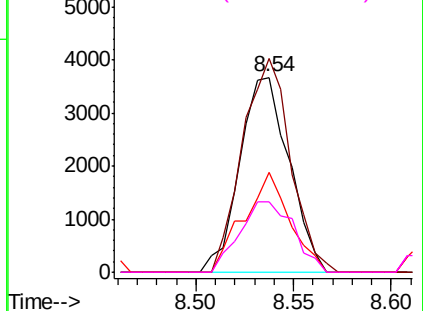
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

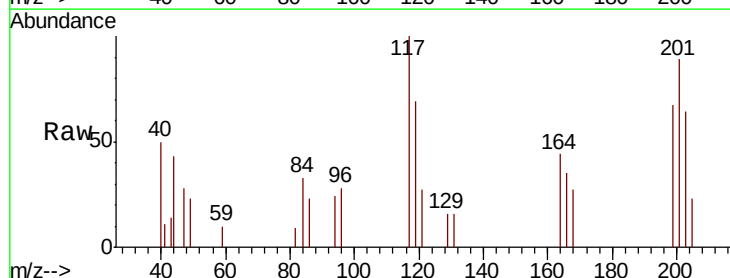
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 1.896 ng
RT: 9.20 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:	117	Resp:	2637
Ion	Ratio	Lower	Upper
117	100		
119	68.9	74.6	111.8#
201	88.6	80.8	121.2

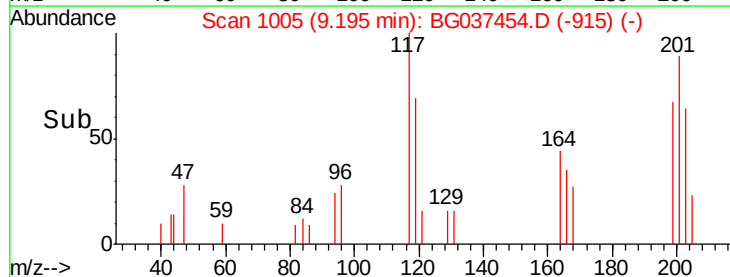
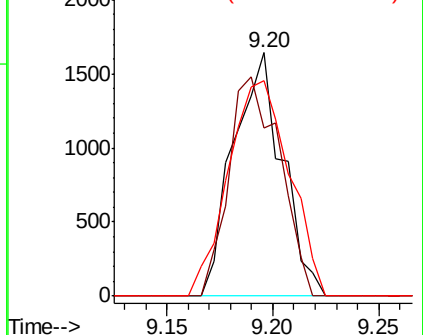


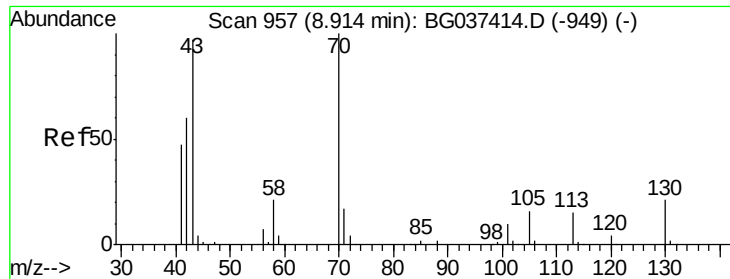
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

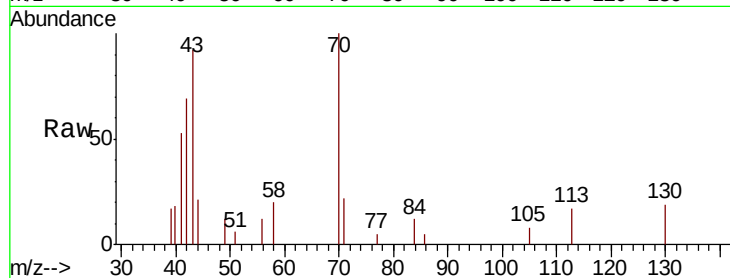




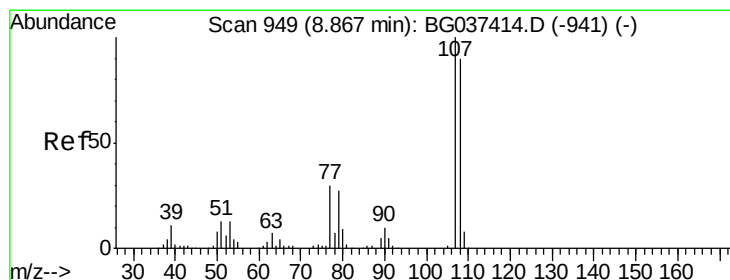
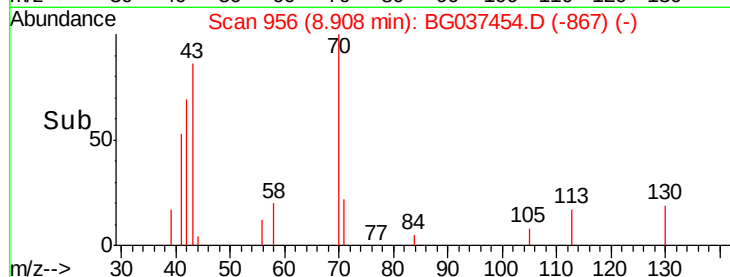
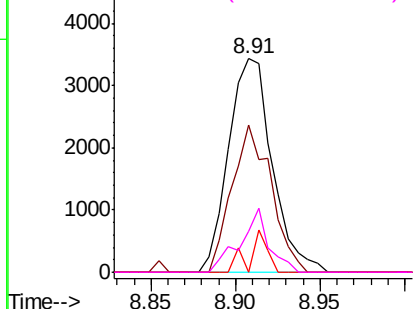
#19
n-Nitroso-di-n-propylamine
Concen: 1.940 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

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

Tgt Ion: 70 Resp: 6186
Ion Ratio Lower Upper
70 100
42 69.0 53.9 80.9
101 0.0 8.2 12.2#
130 19.4 18.2 27.4

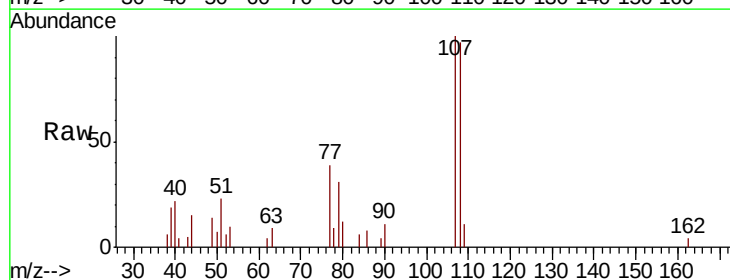


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

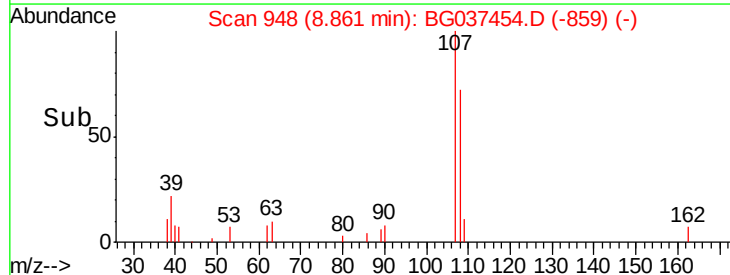
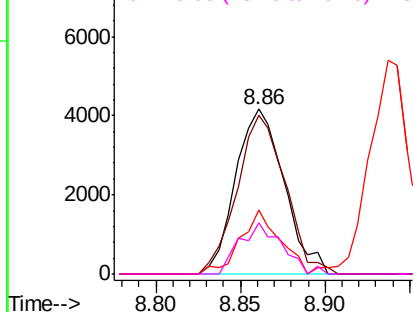


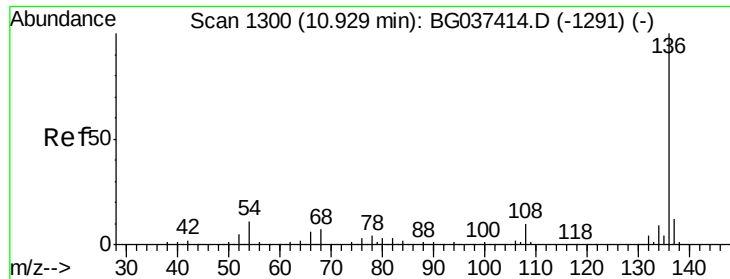
#20
3+4-Methylphenols
Concen: 1.798 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion: 107 Resp: 8302
Ion Ratio Lower Upper
107 100
108 96.6 69.9 109.9
77 38.7 11.2 51.2
79 31.4 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

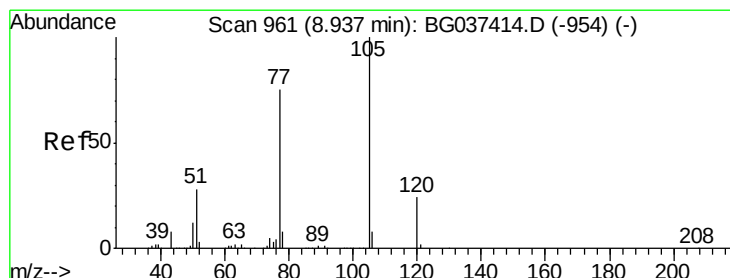
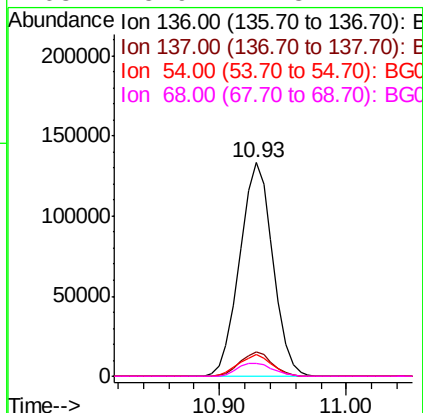
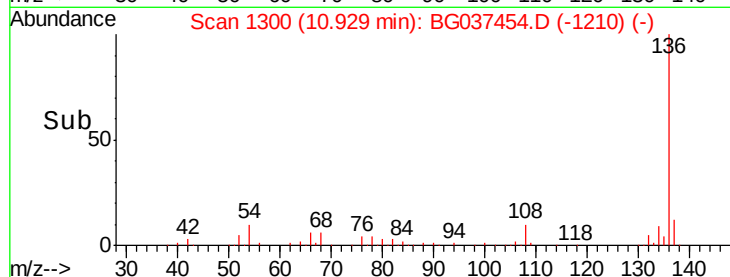
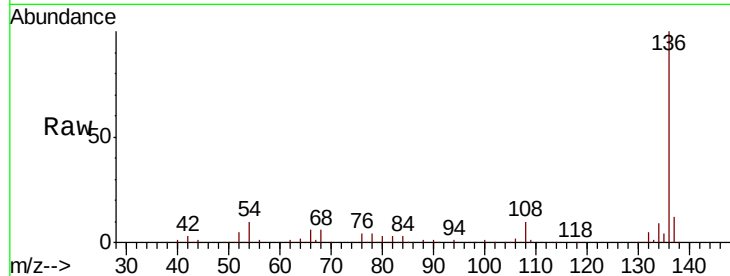




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

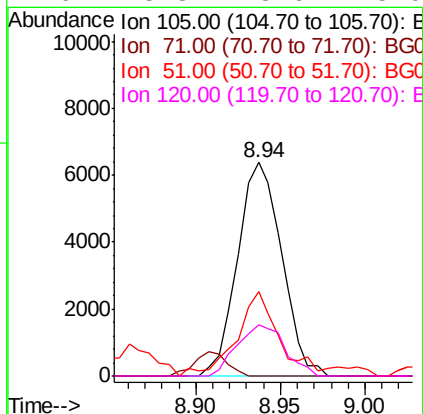
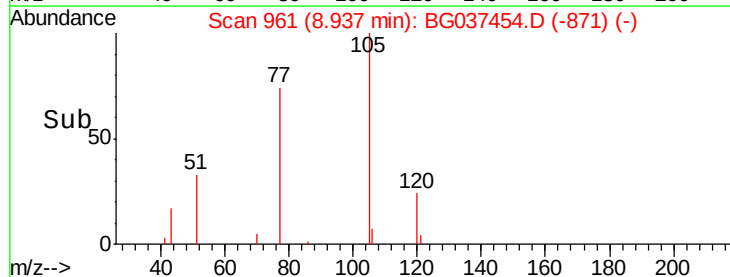
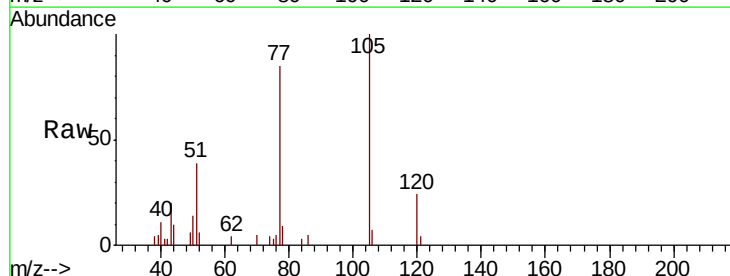
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

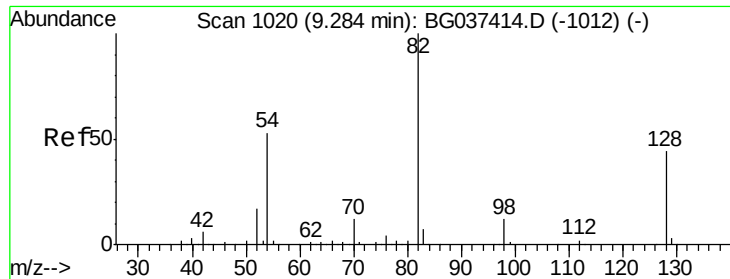
Tgt Ion:	136	Resp:	241057
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	10.0	7.9	11.9
68	5.9	4.8	7.2



#22
Acetophenone
Concen: 1.917 ng
RT: 8.94 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:	105	Resp:	11591
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	39.3	25.0	37.6#
120	23.8	18.6	28.0

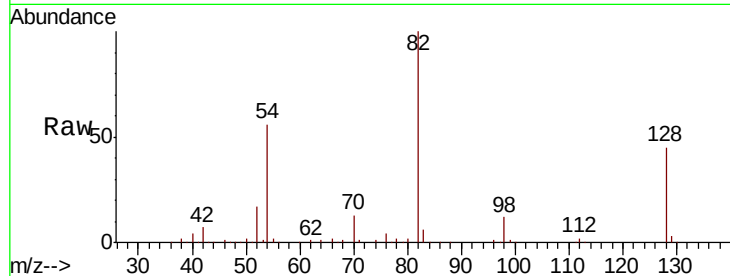




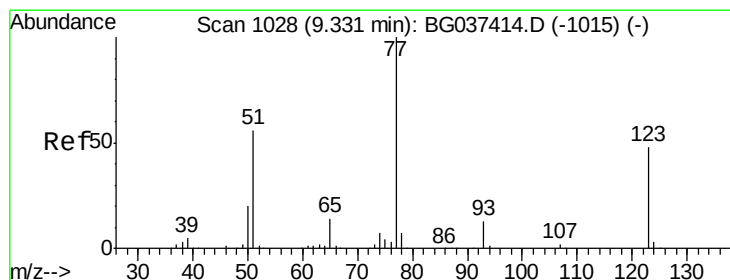
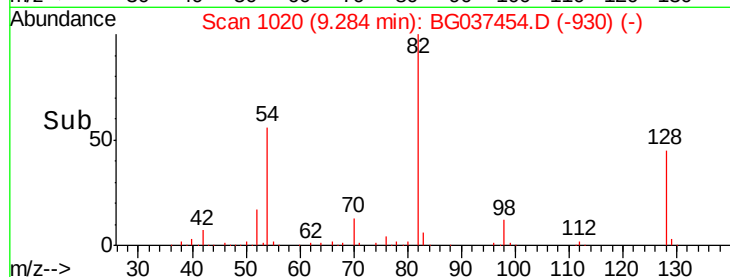
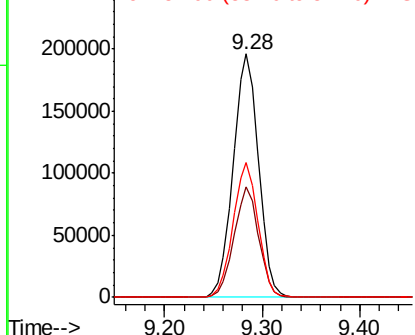
#23
 Nitrobenzene-d5
 Concen: 82.426 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

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

Tgt Ion: 82 Resp: 354690
 Ion Ratio Lower Upper
 82 100
 128 45.3 34.6 51.8
 54 55.6 45.3 67.9

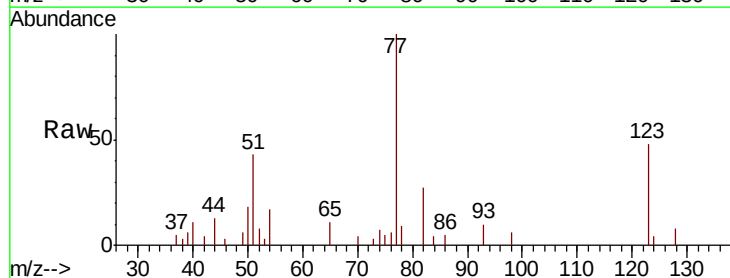


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

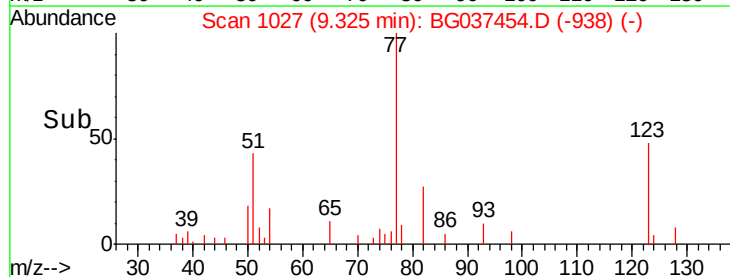
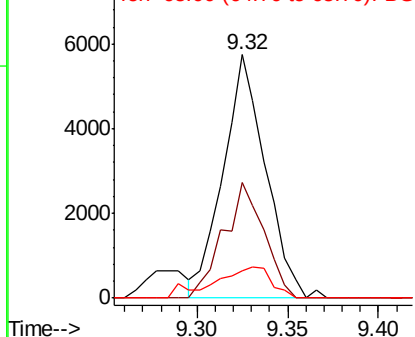


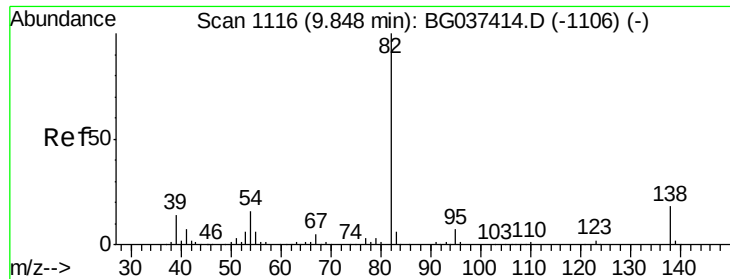
#24
 Nitrobenzene
 Concen: 2.082 ng
 RT: 9.32 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion: 77 Resp: 9305
 Ion Ratio Lower Upper
 77 100
 123 47.5 33.6 50.4
 65 11.4 11.3 16.9



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





#25

Isophorone

Concen: 1.997 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

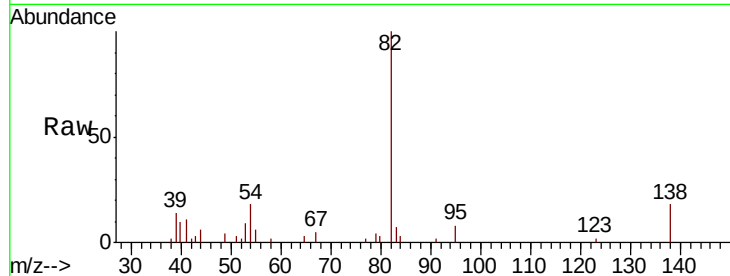
Tgt Ion: 82 Resp: 15701

Ion Ratio Lower Upper

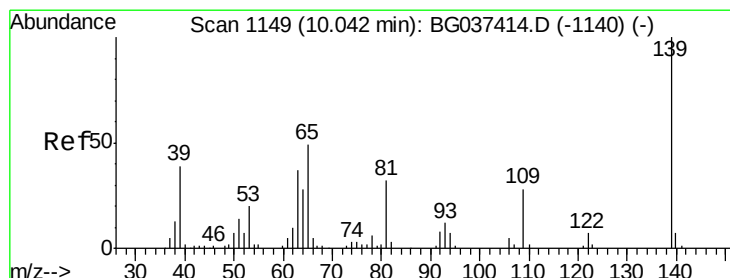
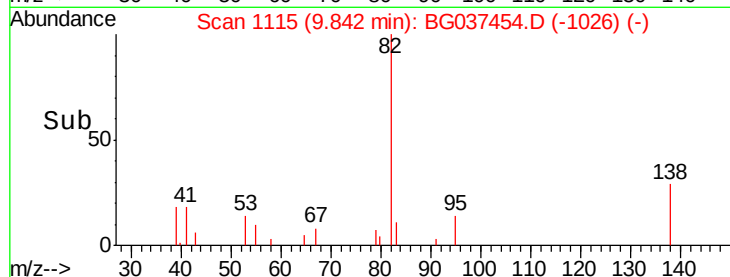
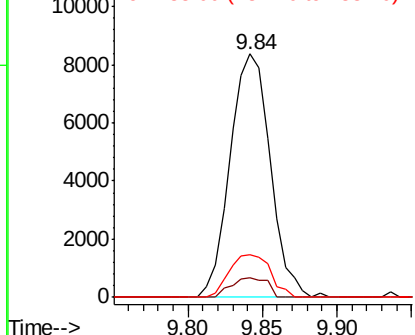
82 100

95 8.3 5.3 7.9#

138 17.8 13.3 19.9



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



#26

2-Nitrophenol

Concen: 1.598 ng

RT: 10.04 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

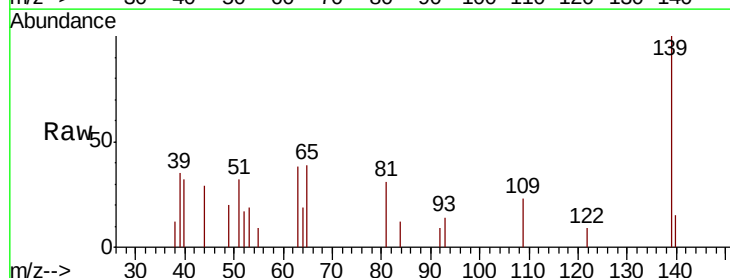
Tgt Ion: 139 Resp: 3218

Ion Ratio Lower Upper

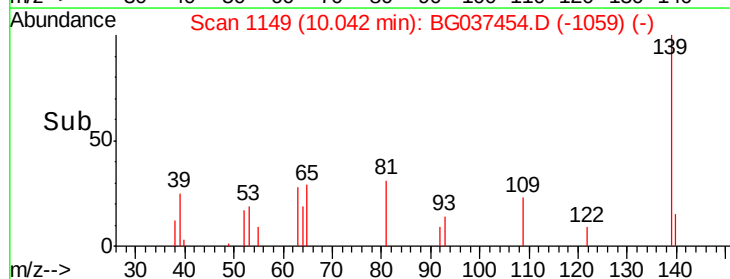
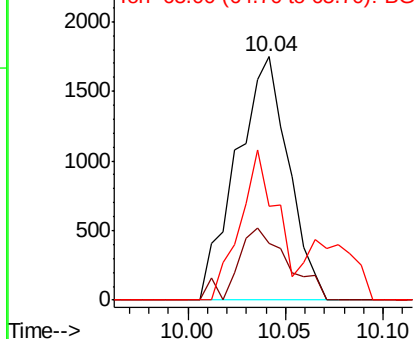
139 100

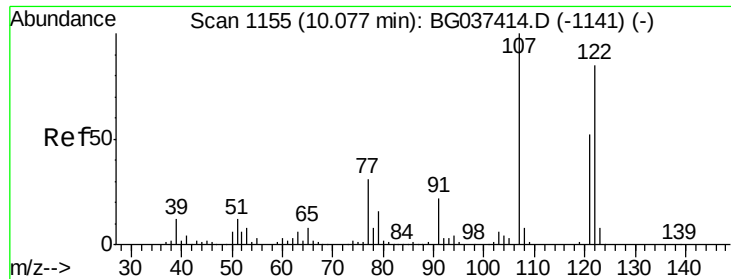
109 23.4 23.3 34.9

65 38.6 39.8 59.8#



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

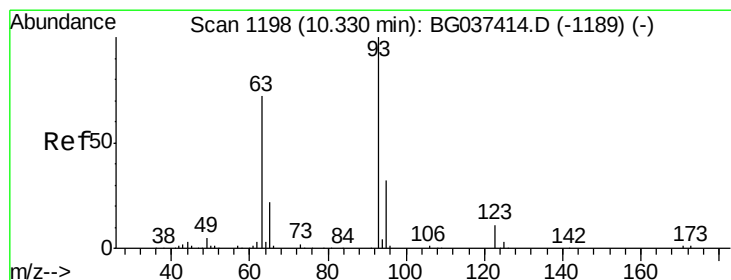
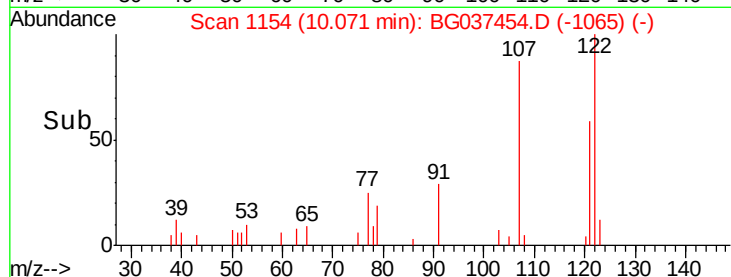
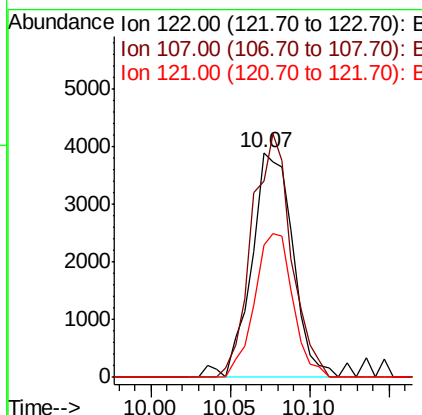
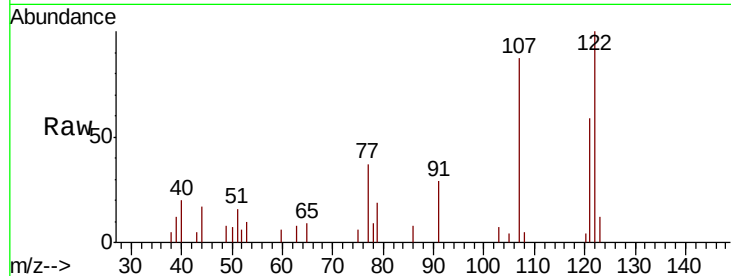




#27
 2,4-Dimethylphenol
 Concen: 1.964 ng
 RT: 10.07 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

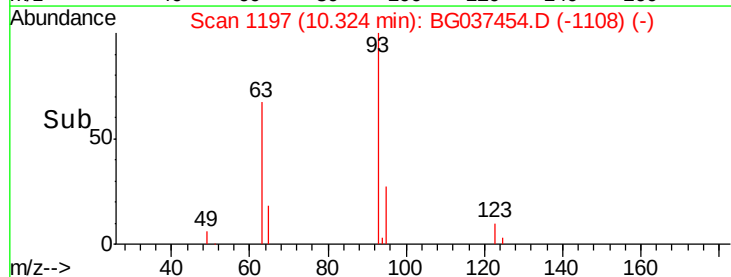
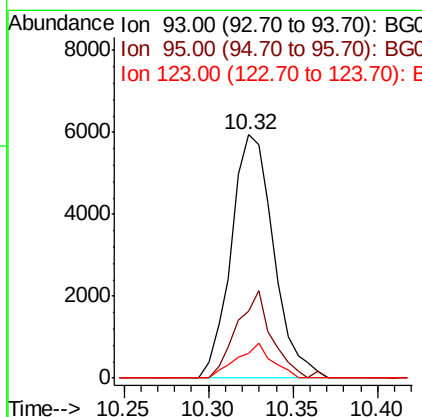
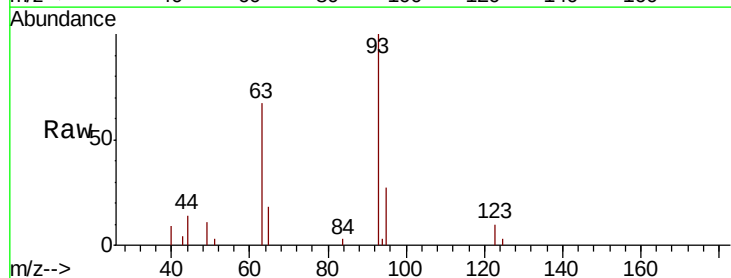
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

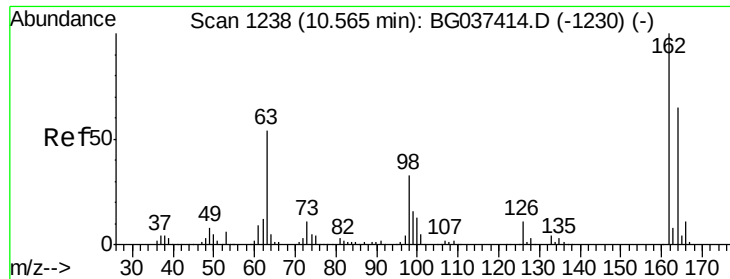
Tgt Ion:122 Resp: 7062
 Ion Ratio Lower Upper
 122 100
 107 87.3 94.2 141.2#
 121 58.9 47.3 70.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.017 ng
 RT: 10.32 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion: 93 Resp: 10391
 Ion Ratio Lower Upper
 93 100
 95 27.4 24.6 37.0
 123 10.2 9.1 13.7

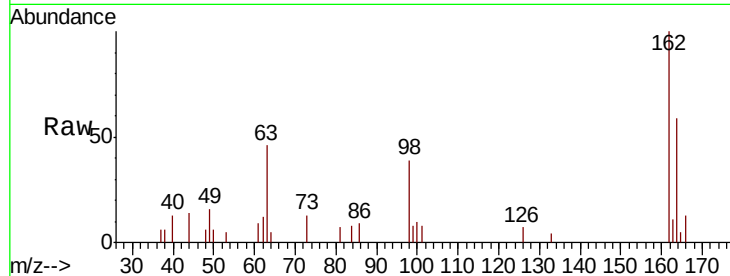




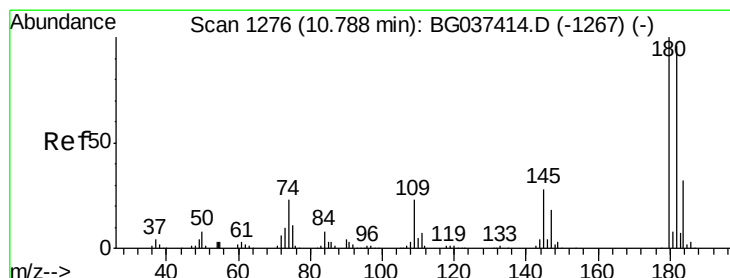
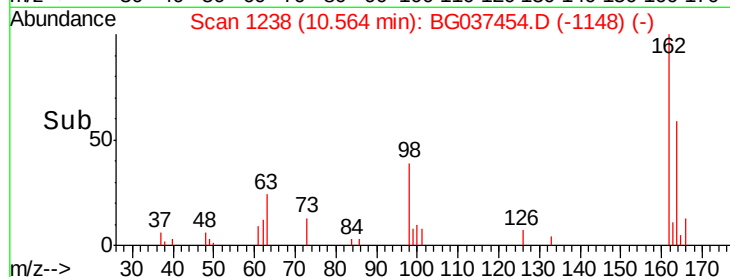
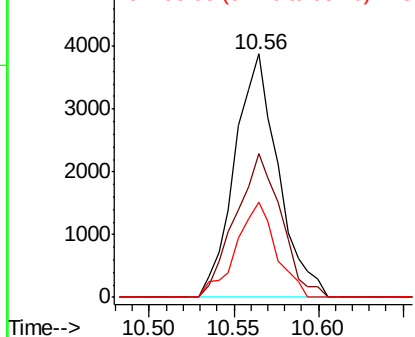
#29
 2,4-Dichlorophenol
 Concen: 1.742 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

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

Tgt Ion:162 Resp: 6973
 Ion Ratio Lower Upper
 162 100
 164 64.1 43.2 83.2
 98 39.0 16.0 56.0

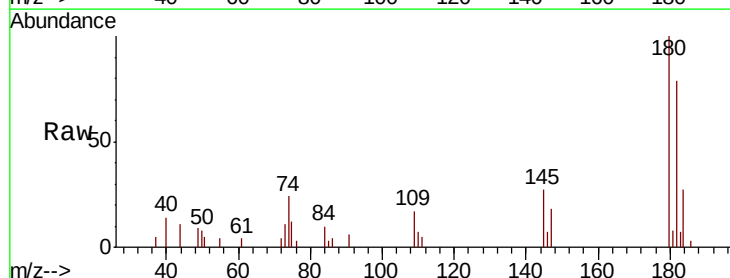


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

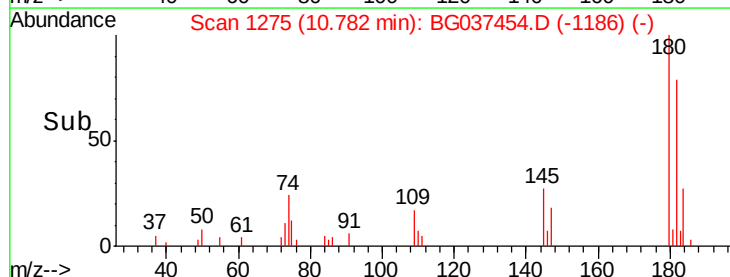
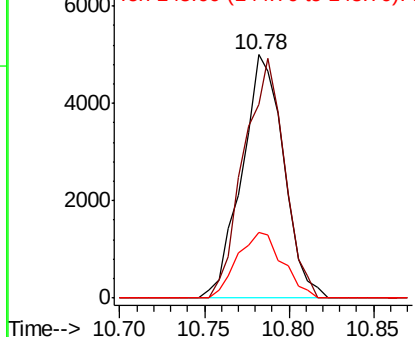


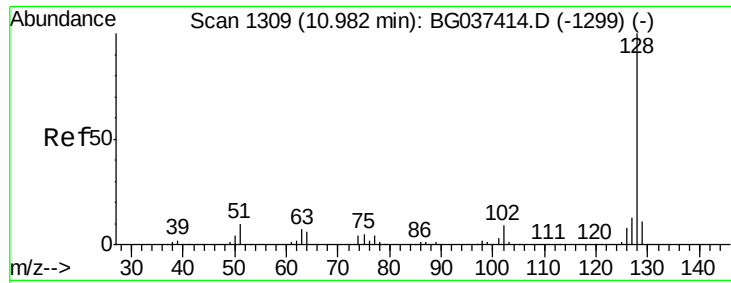
#30
 1,2,4-Trichlorobenzene
 Concen: 1.976 ng
 RT: 10.78 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion:180 Resp: 8604
 Ion Ratio Lower Upper
 180 100
 182 79.4 77.7 116.5
 145 26.8 23.3 34.9



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

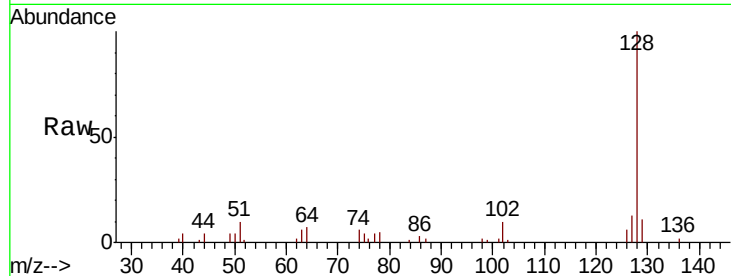




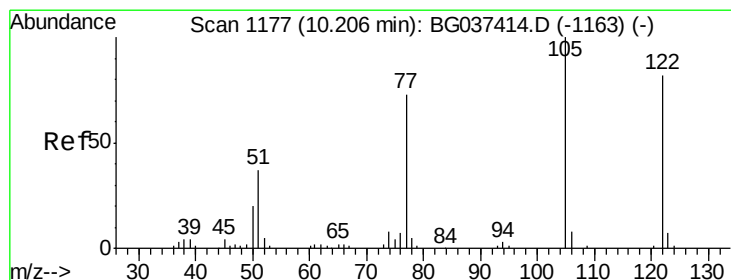
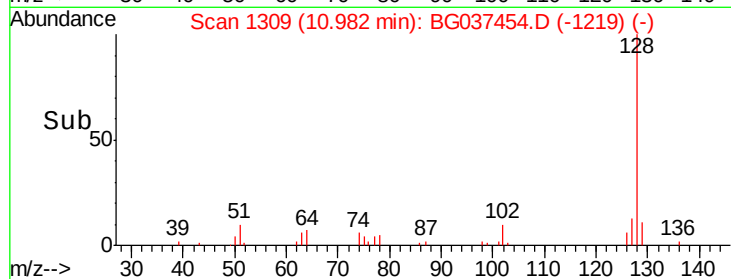
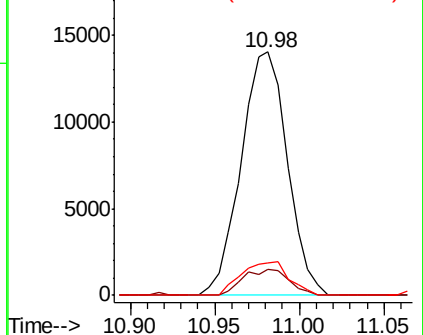
#31
Naphthalene
Concen: 2.256 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

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

Tgt Ion:128 Resp: 26717
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.4 11.1 16.7

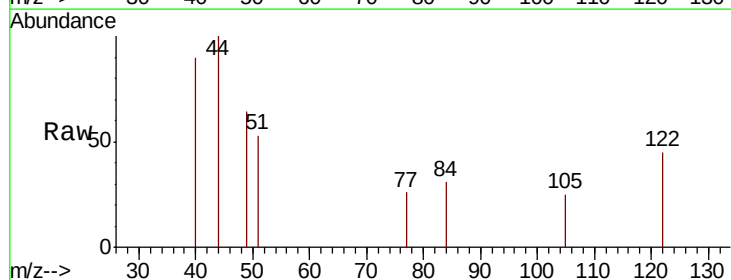


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

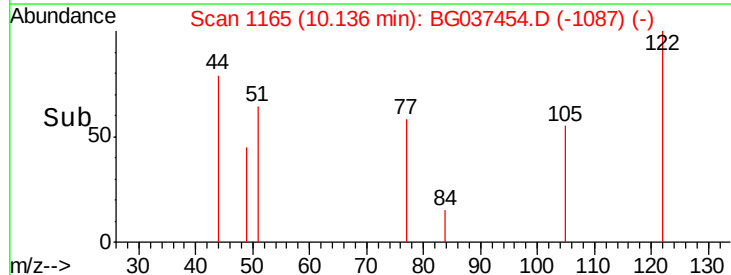
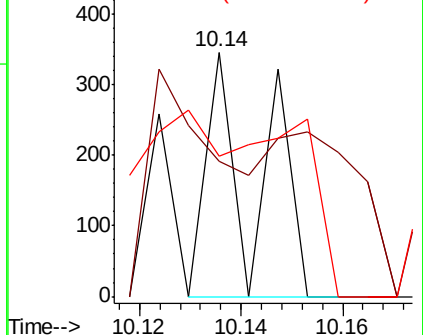


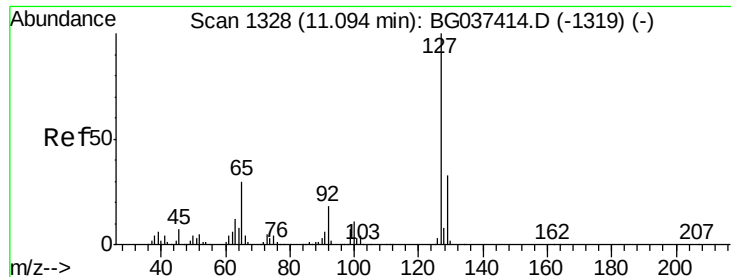
#32
Benzoic acid
Concen: 0.101 ng
RT: 10.14 min Scan# 1165
Delta R.T. -0.07 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:122 Resp: 236
Ion Ratio Lower Upper
122 100
105 55.2 106.7 146.7#
77 57.5 72.2 112.2#



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

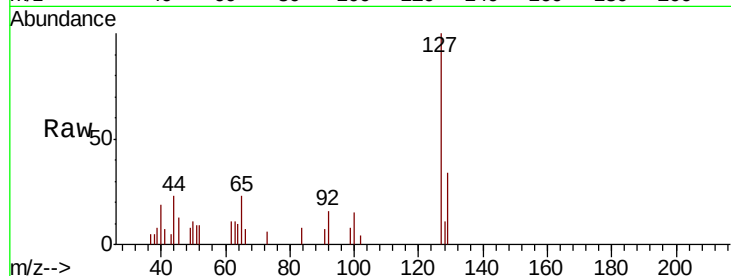




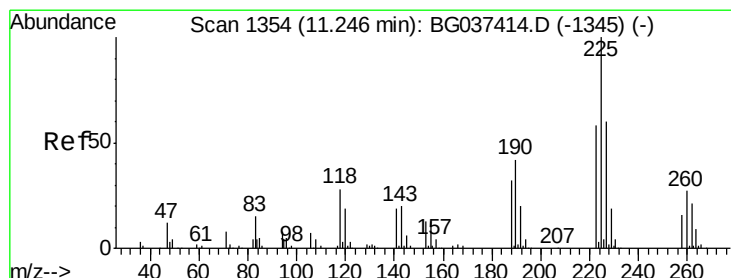
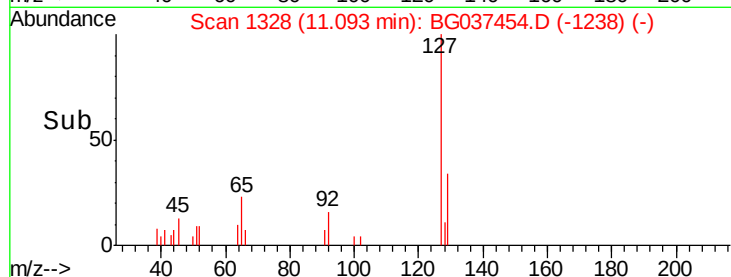
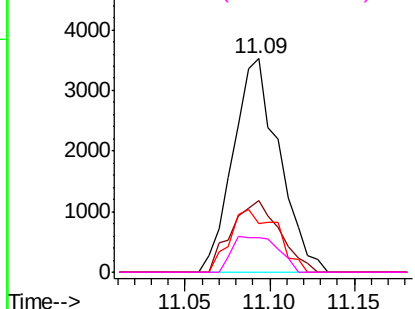
#33
4-Chloroaniline
Concen: 1.197 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

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

Tgt Ion:127 Resp: 6658
Ion Ratio Lower Upper
127 100
129 33.6 27.1 40.7
65 22.5 26.6 39.8#
92 16.4 16.4 24.6#

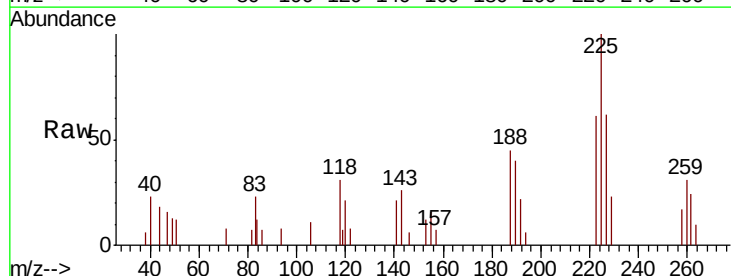


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

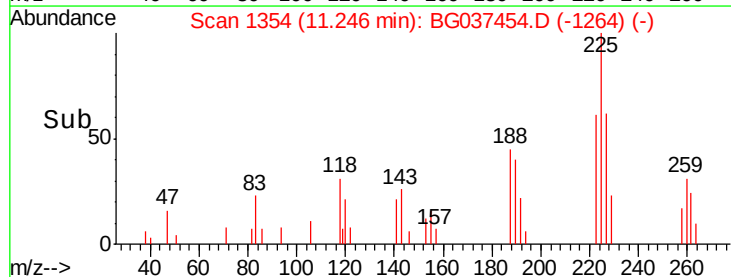
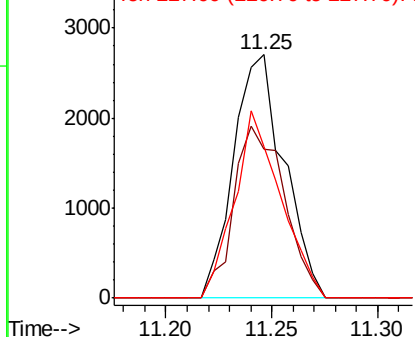


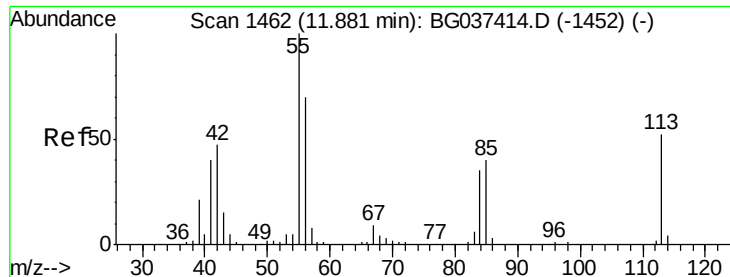
#34
Hexachlorobutadiene
Concen: 1.735 ng
RT: 11.25 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:225 Resp: 4476
Ion Ratio Lower Upper
225 100
223 61.0 48.2 72.4
227 62.2 51.6 77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 0.039 ng

RT: 11.89 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

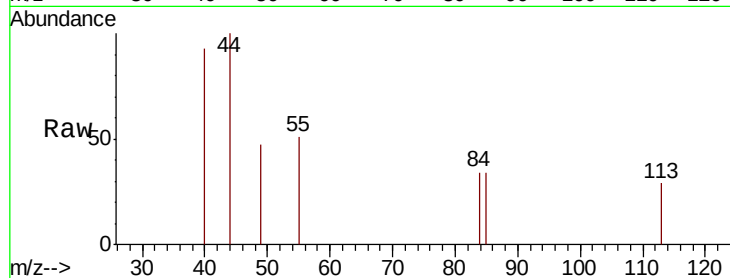
Tgt Ion:113 Resp: 62

Ion Ratio Lower Upper

113 100

55 176.3 176.6 216.6#

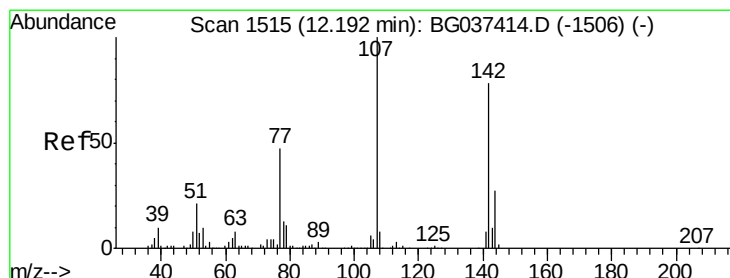
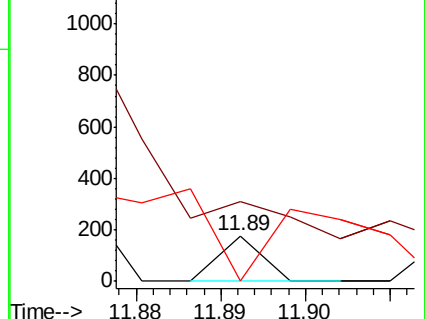
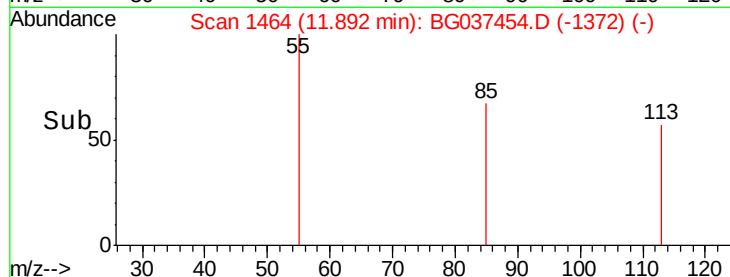
56 0.0 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 1.755 ng

RT: 12.19 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

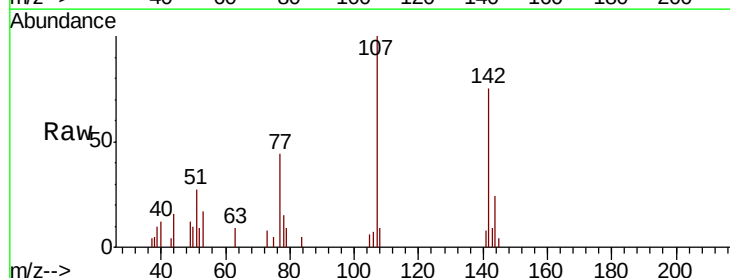
Tgt Ion:107 Resp: 7922

Ion Ratio Lower Upper

107 100

144 23.7 20.7 31.1

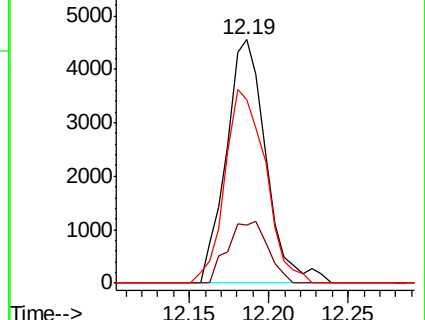
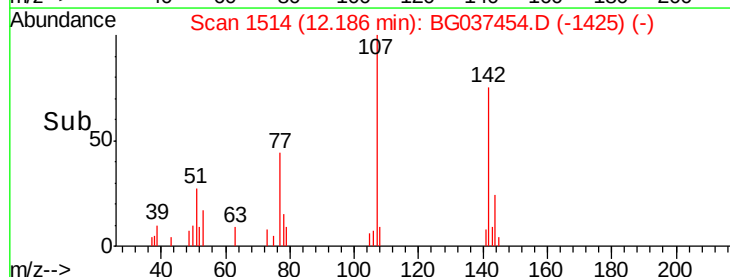
142 75.3 64.4 96.6

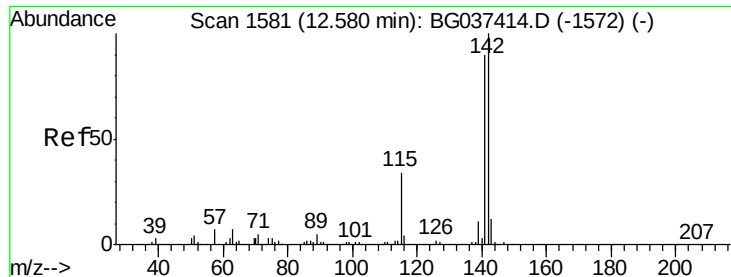


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

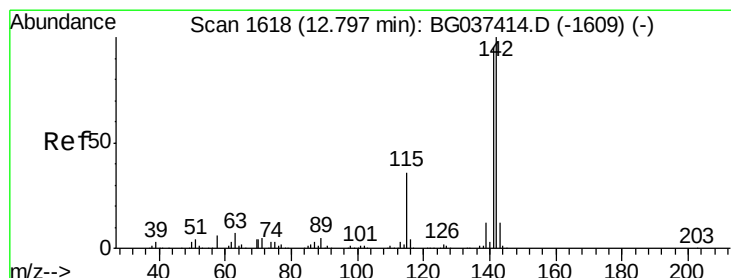
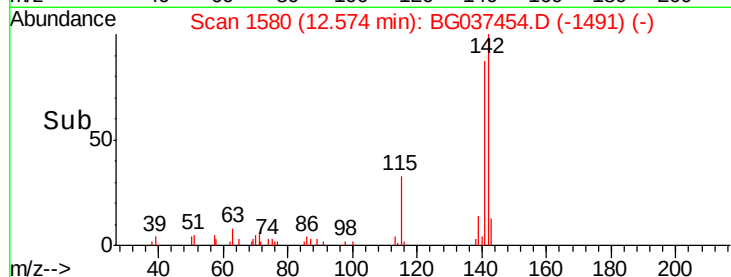
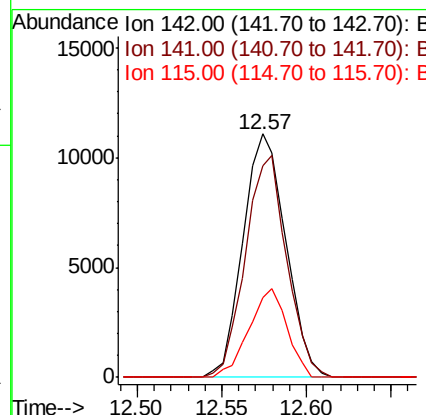
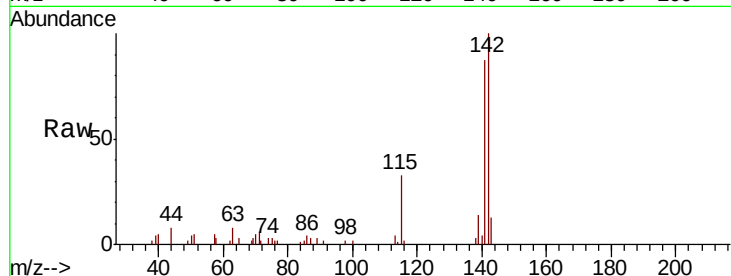




#37
2-Methylnaphthalene
Concen: 2.255 ng
RT: 12.57 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

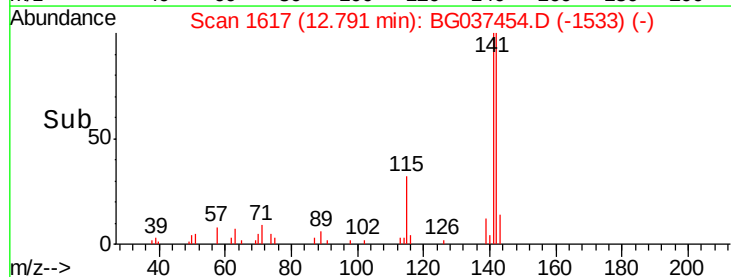
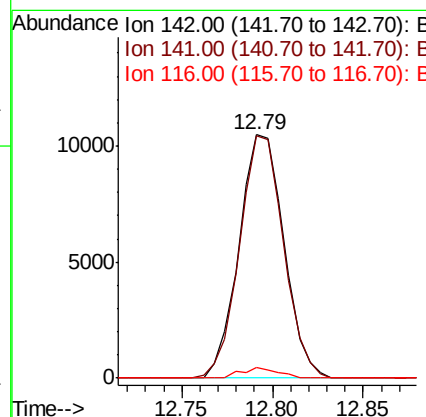
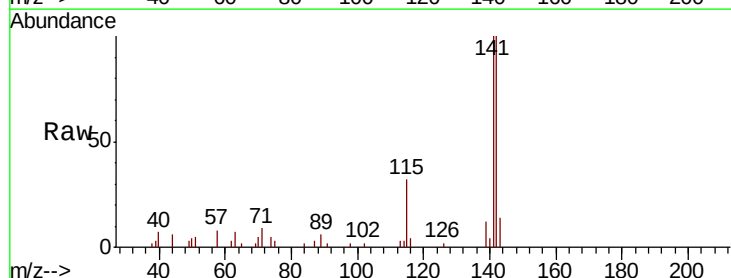
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

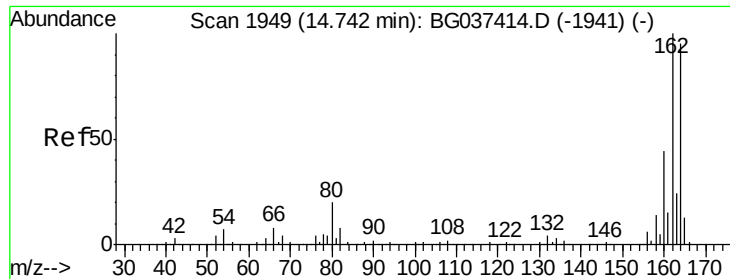
Tgt Ion:142 Resp: 19465
Ion Ratio Lower Upper
142 100
141 87.0 71.9 107.9
115 32.7 27.8 41.8



#38
1-Methylnaphthalene
Concen: 2.149 ng
RT: 12.79 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:142 Resp: 18015
Ion Ratio Lower Upper
142 100
141 99.8 75.2 112.8
116 4.5 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: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

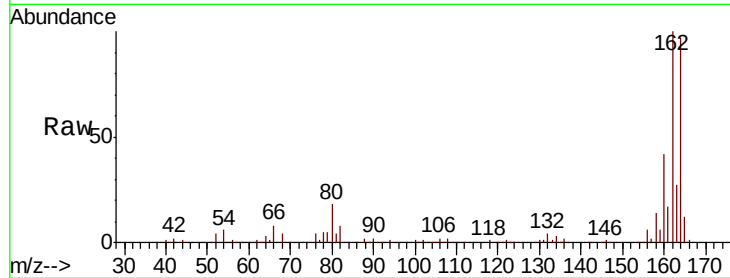
Tgt Ion:164 Resp: 161971

Ion Ratio Lower Upper

164 100

162 103.1 81.3 121.9

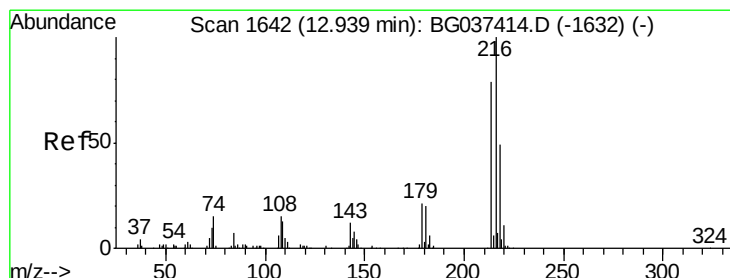
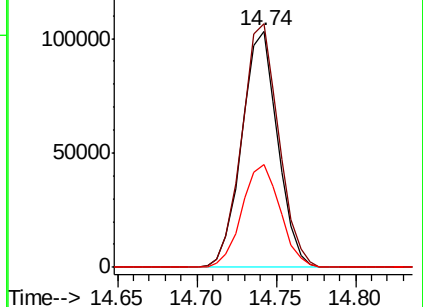
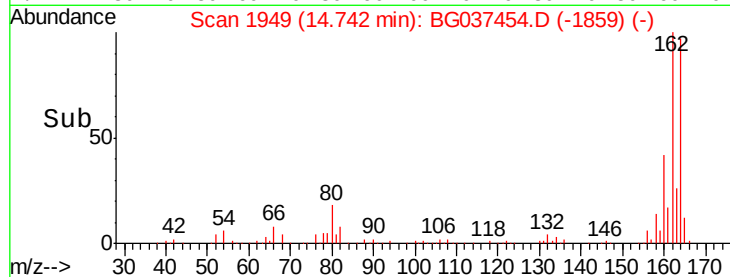
160 43.4 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 1.963 ng

RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:216 Resp: 10257

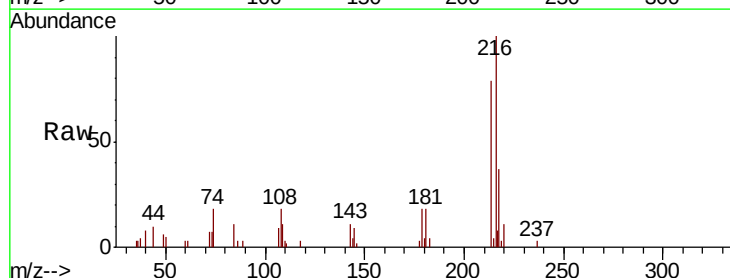
Ion Ratio Lower Upper

216 100

214 80.2 63.8 95.6

179 20.4 17.4 26.0

108 17.2 13.9 20.9

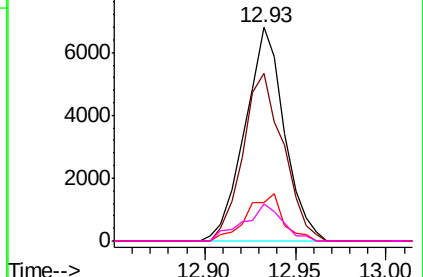
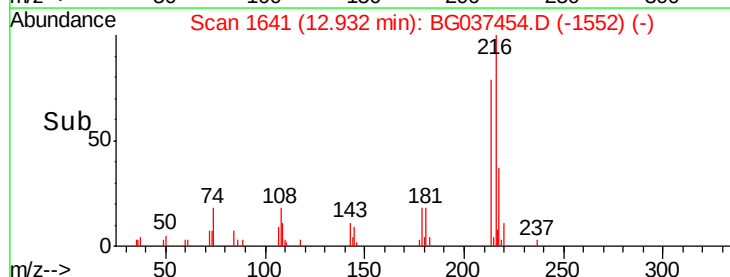


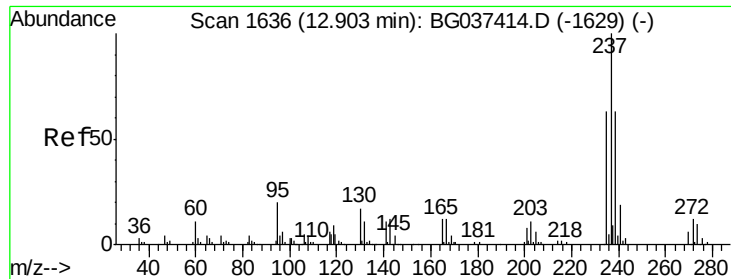
Abundance Ion 216.00 (215.70 to 216.70): E

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

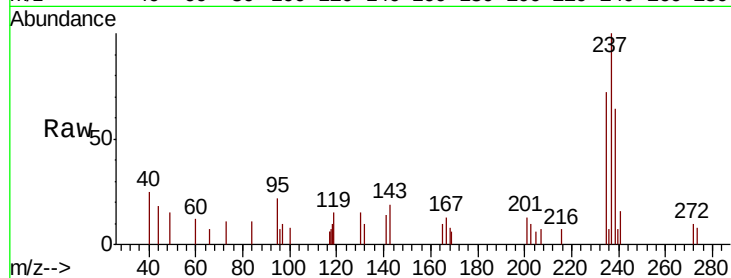




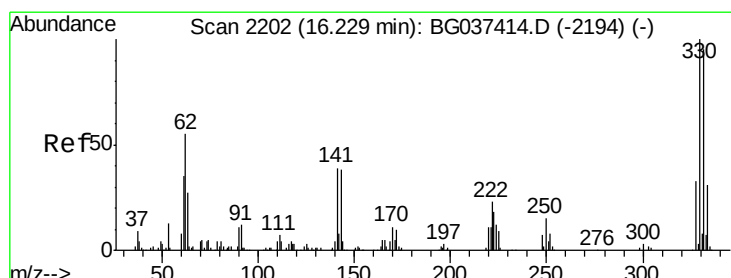
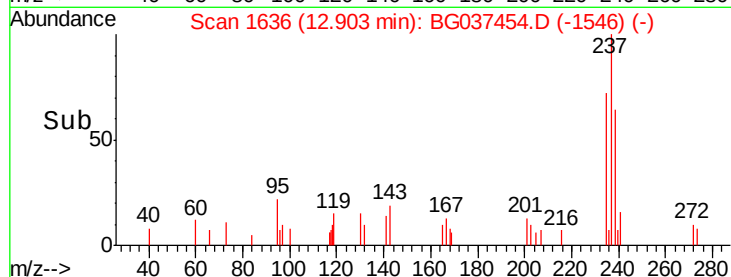
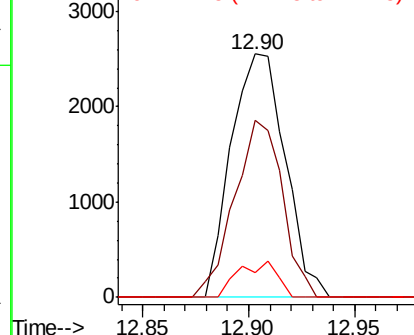
#41
Hexachlorocyclopentadiene
Concen: 1.811 ng
RT: 12.90 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

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

Tgt Ion: 237 Resp: 4520
Ion Ratio Lower Upper
237 100
235 72.5 42.5 82.5
272 10.2 0.0 31.6

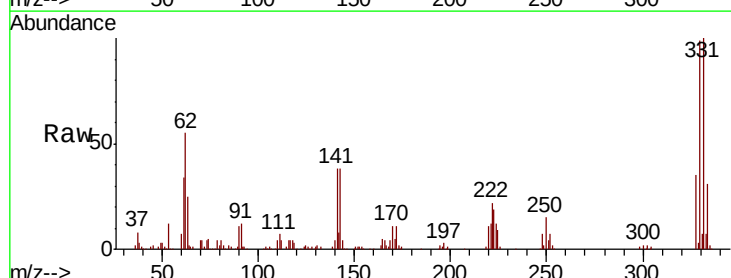


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

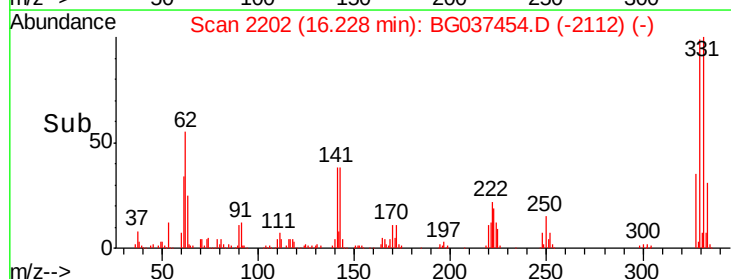
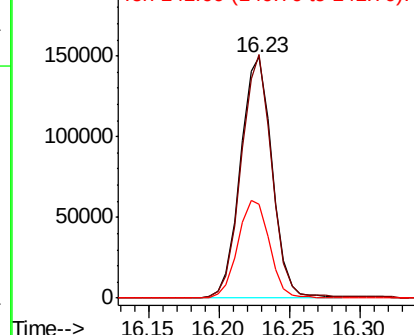


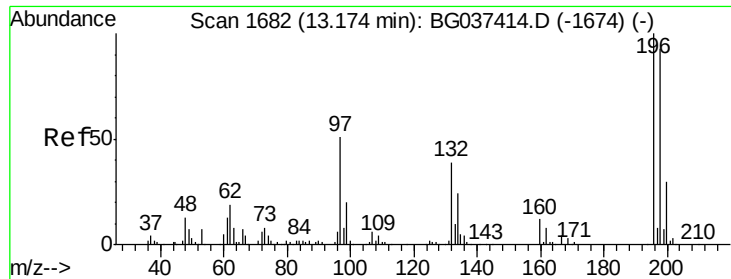
#42
2,4,6-Tribromophenol
Concen: 132.656 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion: 330 Resp: 234350
Ion Ratio Lower Upper
330 100
332 97.6 78.4 117.6
141 40.8 32.2 48.2



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

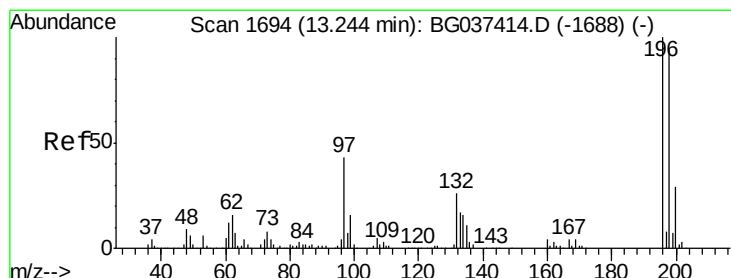
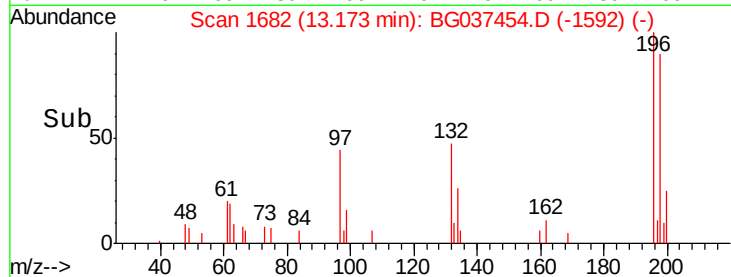
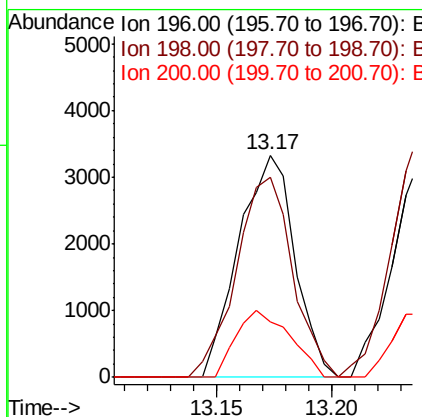
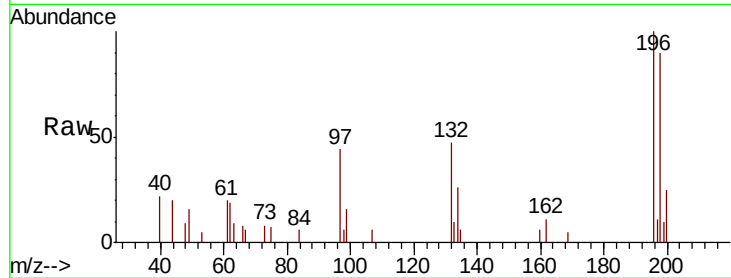




#43
 2,4,6-Trichlorophenol
 Concen: 1.609 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

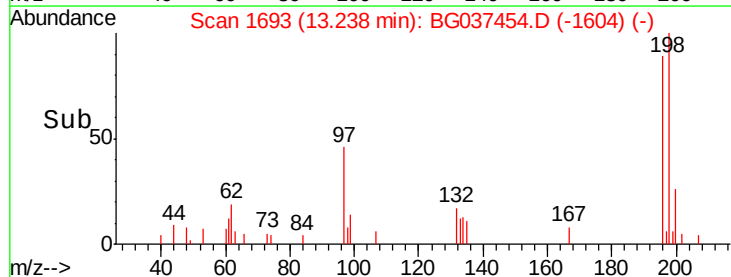
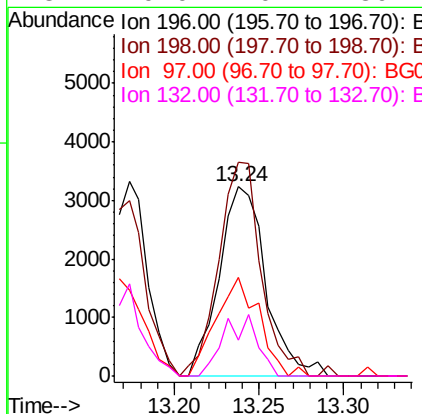
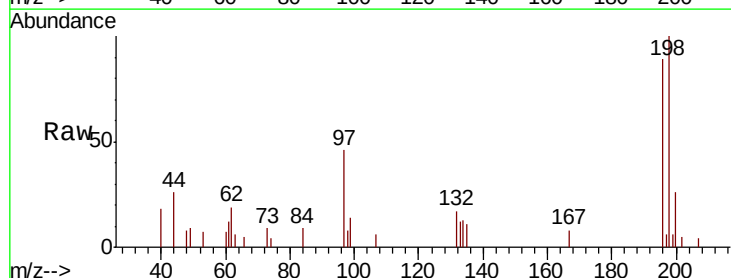
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

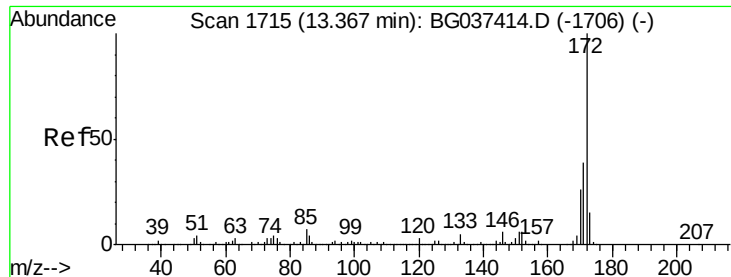
Tgt Ion:196 Resp: 5616
 Ion Ratio Lower Upper
 196 100
 198 90.0 76.4 114.6
 200 25.0 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 1.638 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion:196 Resp: 6224
 Ion Ratio Lower Upper
 196 100
 198 112.9 74.2 111.2#
 97 51.9 34.1 51.1#
 132 19.0 20.2 30.4#

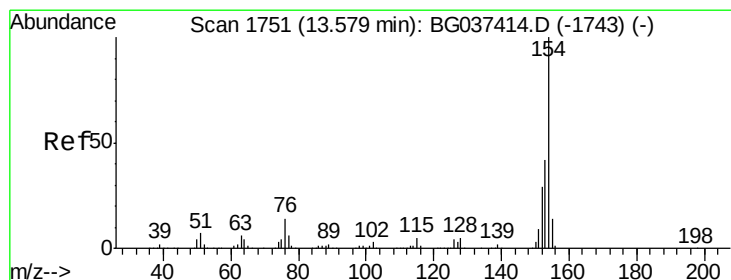
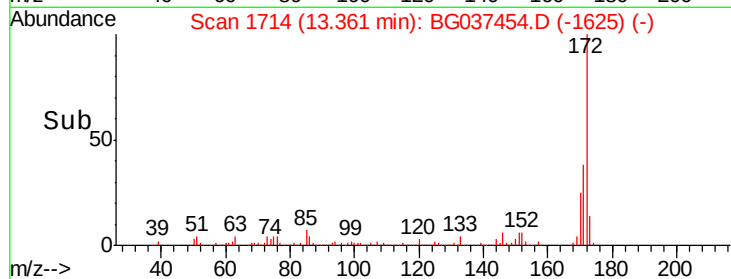
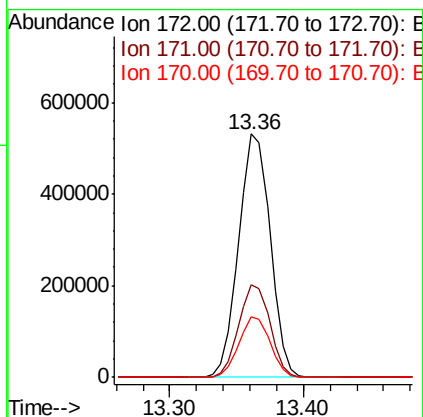
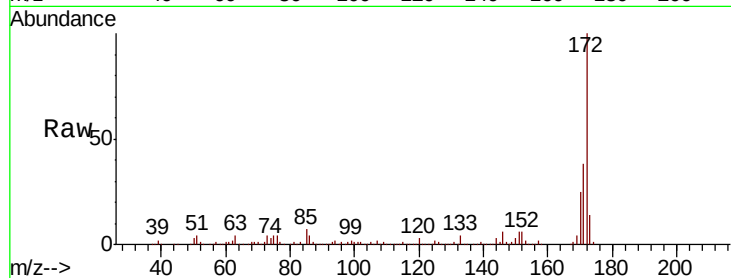




#45
 2-Fluorobiphenyl
 Concen: 81.118 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

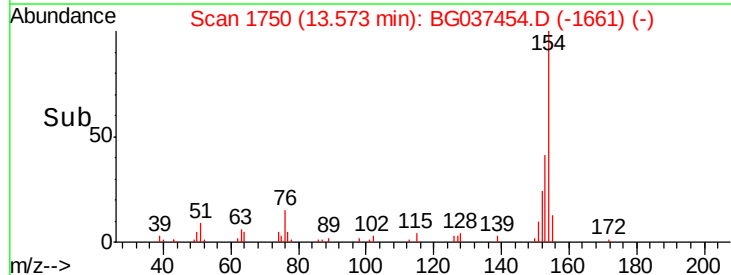
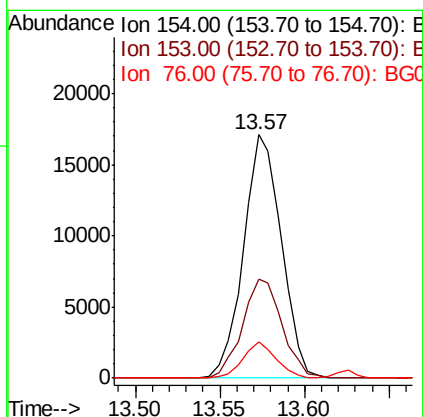
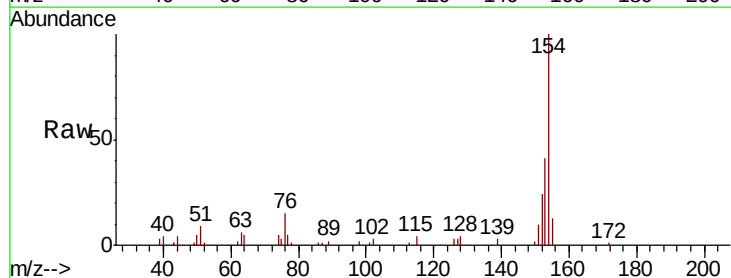
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

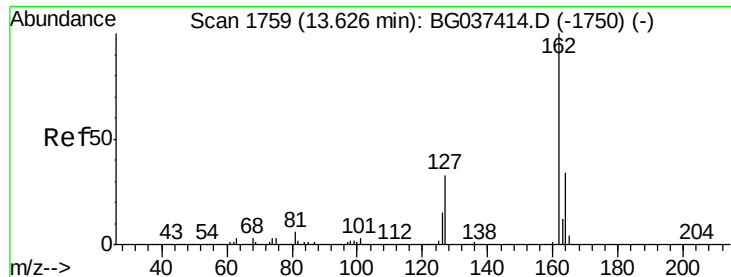
Tgt Ion:172 Resp: 871306
 Ion Ratio Lower Upper
 172 100
 171 37.9 31.0 46.4
 170 24.8 20.2 30.2



#46
 1,1'-Biphenyl
 Concen: 1.987 ng
 RT: 13.57 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion:154 Resp: 26653
 Ion Ratio Lower Upper
 154 100
 153 40.6 22.1 62.1
 76 14.7 0.0 33.2

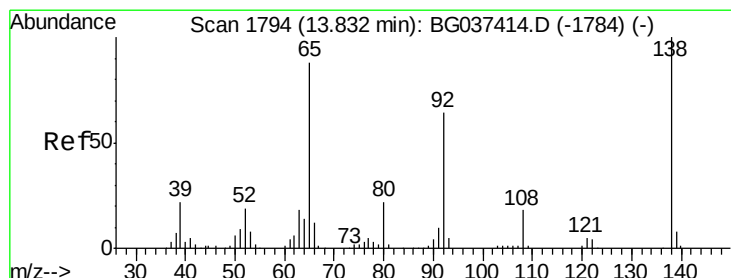
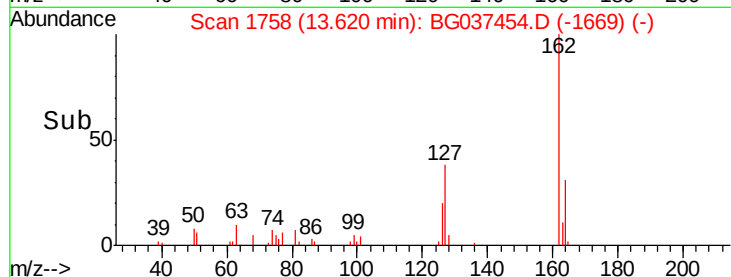
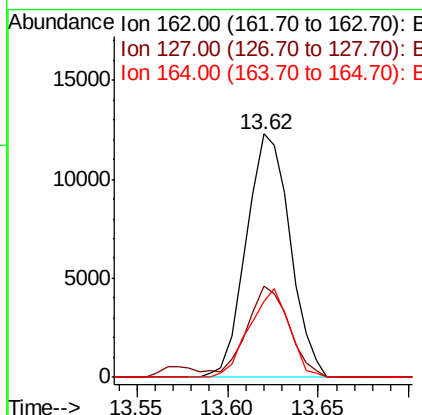
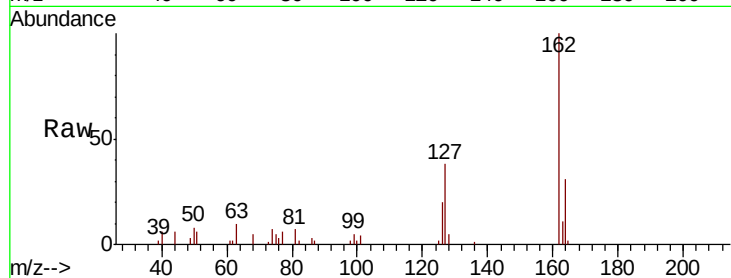




#47
2-Chloronaphthalene
Concen: 2.033 ng
RT: 13.62 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

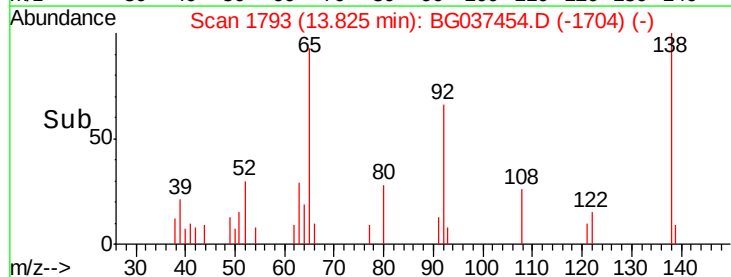
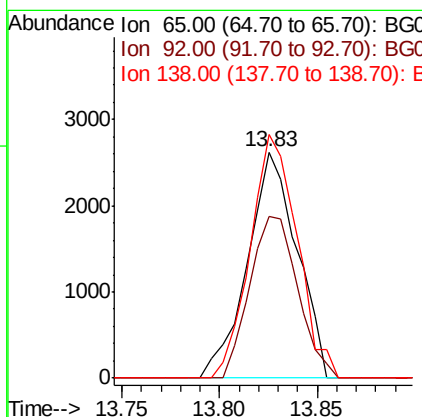
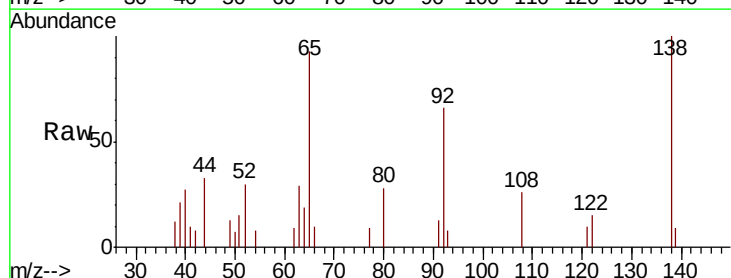
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

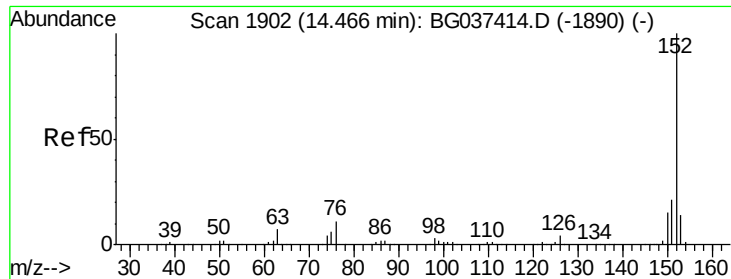
Tgt Ion: 162 Resp: 20631
Ion Ratio Lower Upper
162 100
127 37.7 30.5 45.7
164 31.1 26.4 39.6



#48
2-Nitroaniline
Concen: 1.495 ng
RT: 13.83 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion: 65 Resp: 4600
Ion Ratio Lower Upper
65 100
92 71.6 53.2 79.8
138 107.7 79.3 118.9





#49

Acenaphthylene

Concen: 2.140 ng

RT: 14.47 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

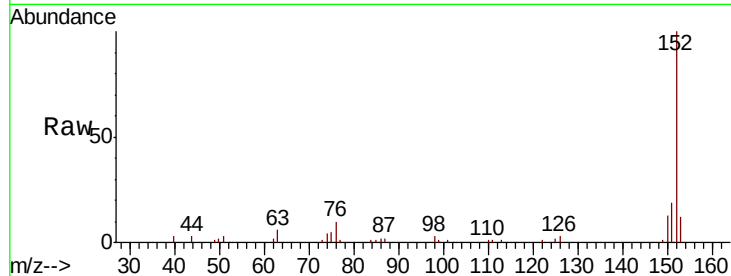
Tgt Ion:152 Resp: 32668

Ion Ratio Lower Upper

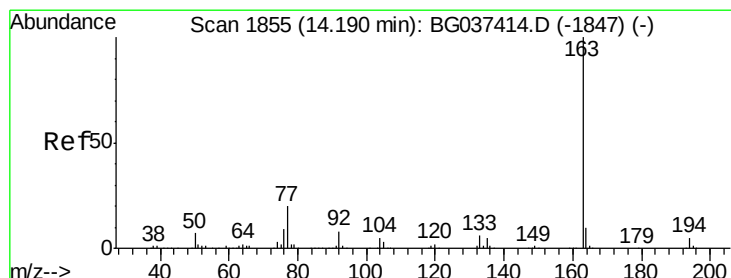
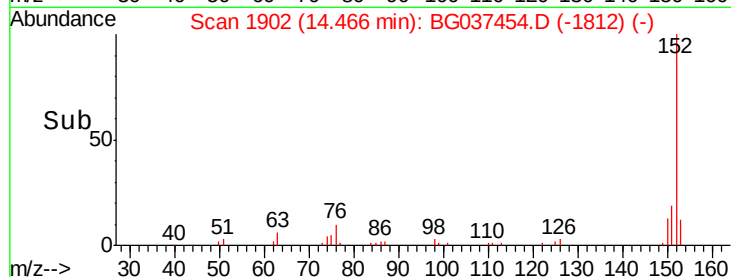
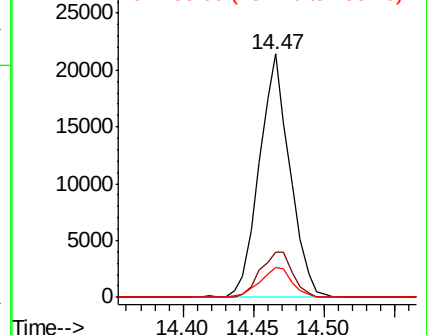
152 100

151 18.7 17.1 25.7

153 12.5 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.096 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

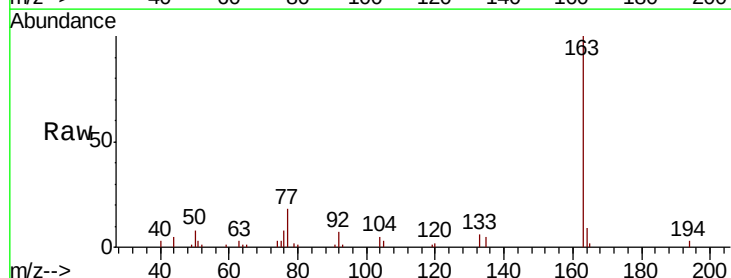
Tgt Ion:163 Resp: 26261

Ion Ratio Lower Upper

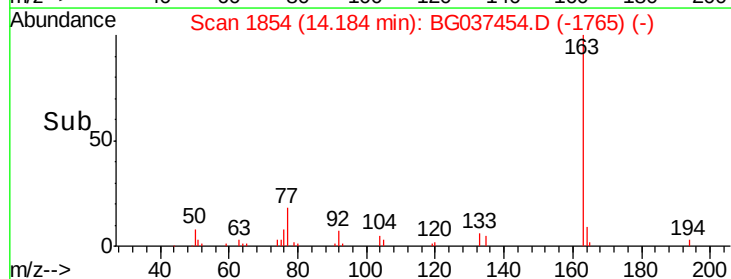
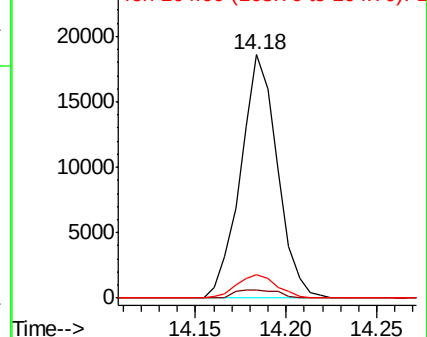
163 100

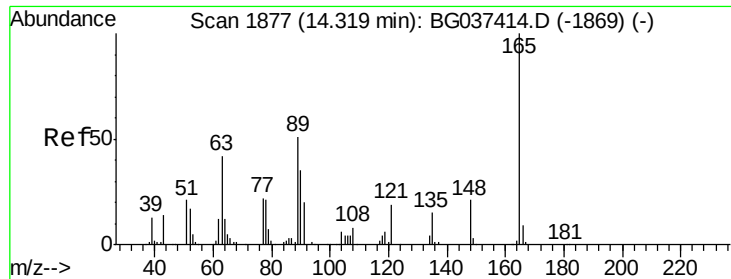
194 3.4 3.5 5.3#

164 9.5 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

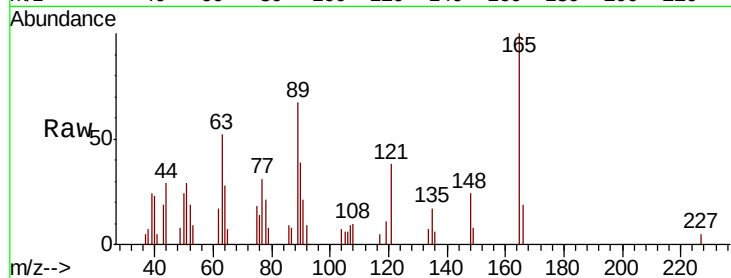




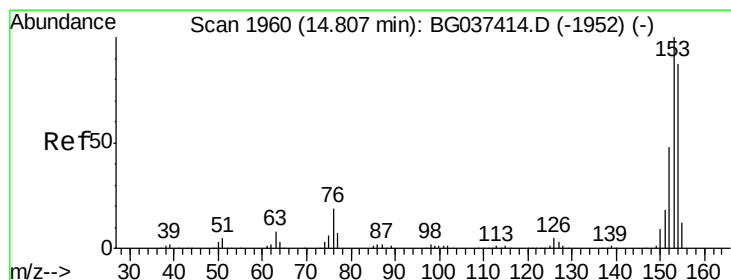
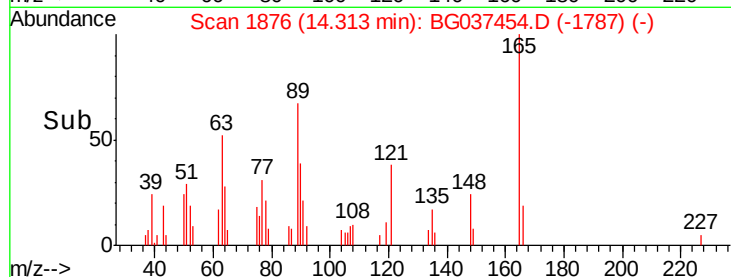
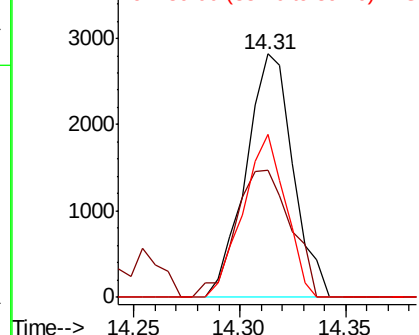
#51
 2,6-Dinitrotoluene
 Concen: 1.576 ng
 RT: 14.31 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

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

Tgt Ion:165 Resp: 4369
 Ion Ratio Lower Upper
 165 100
 63 52.1 43.4 65.2
 89 66.9 45.8 68.6

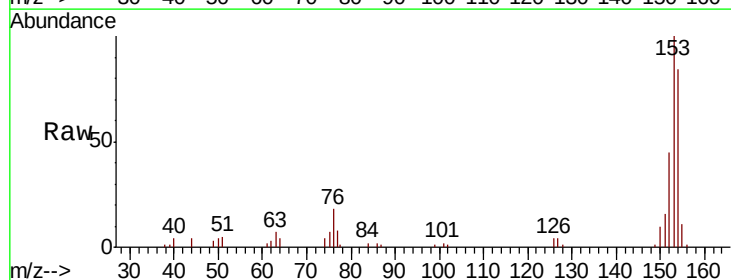


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

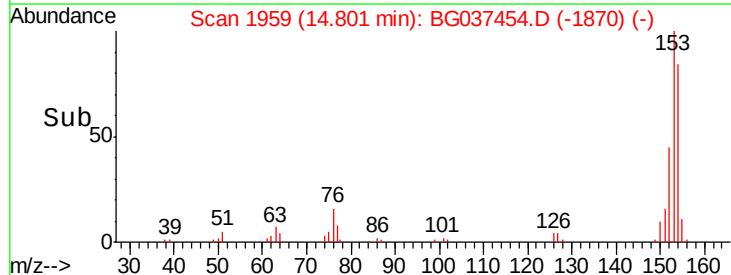
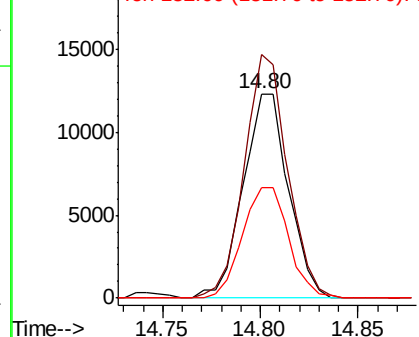


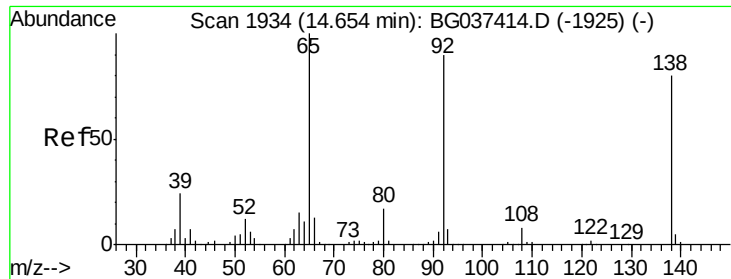
#52
 Acenaphthene
 Concen: 2.106 ng
 RT: 14.80 min Scan# 1959
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion:154 Resp: 19803
 Ion Ratio Lower Upper
 154 100
 153 119.1 93.4 140.0
 152 53.8 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: 1.295 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

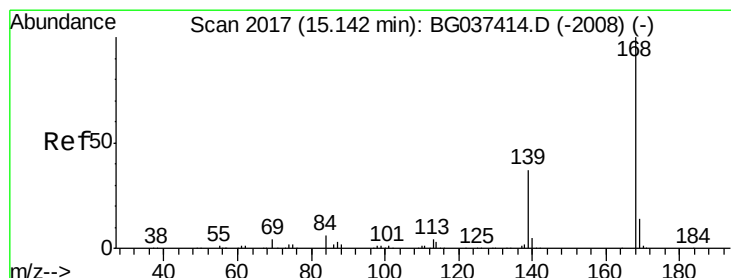
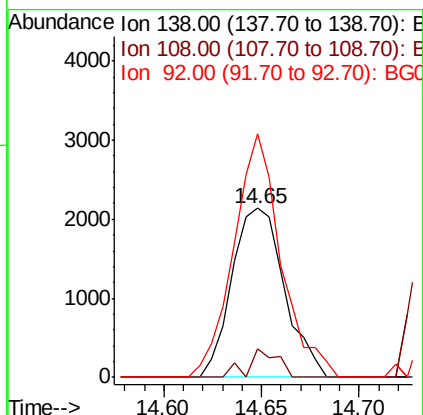
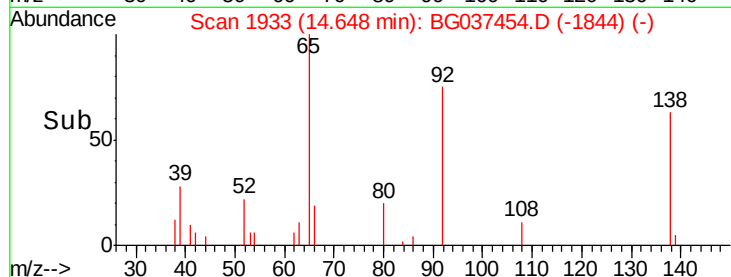
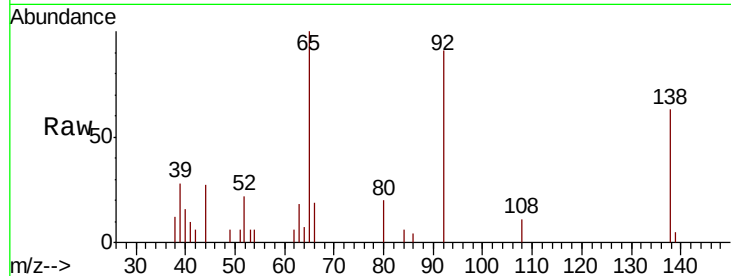
Tgt Ion:138 Resp: 3986

Ion Ratio Lower Upper

138 100

108 16.7 11.0 16.6#

92 143.9 95.2 142.8#



#55

Dibenzofuran

Concen: 2.210 ng

RT: 15.14 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

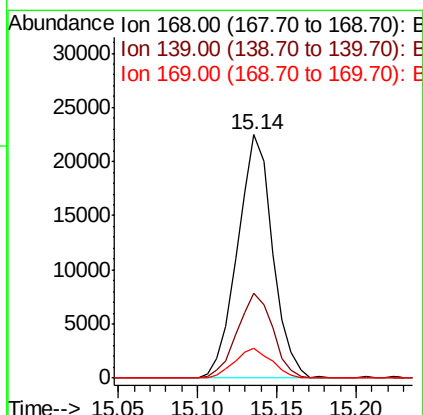
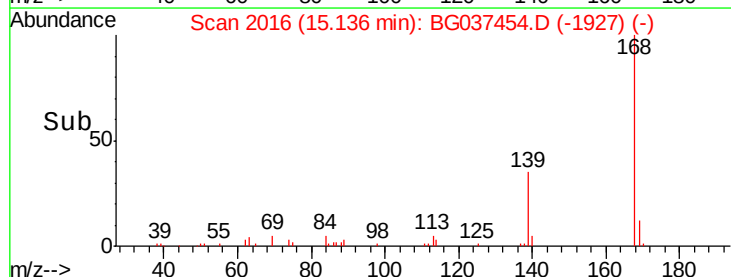
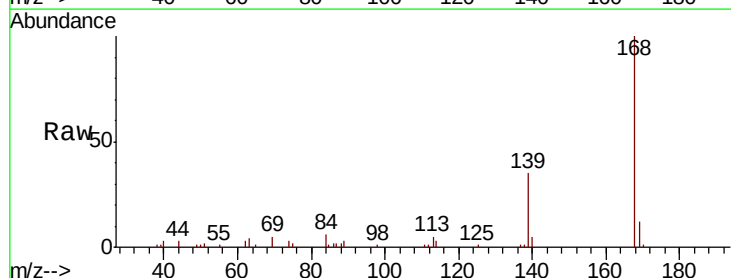
Tgt Ion:168 Resp: 34423

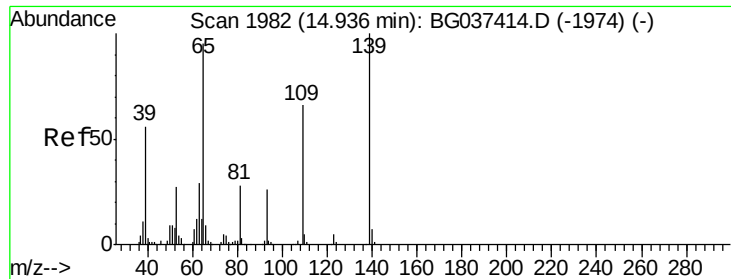
Ion Ratio Lower Upper

168 100

139 35.1 29.4 44.0

169 12.2 11.0 16.6





#56

4-Nitrophenol

Concen: 0.641 ng

RT: 14.94 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

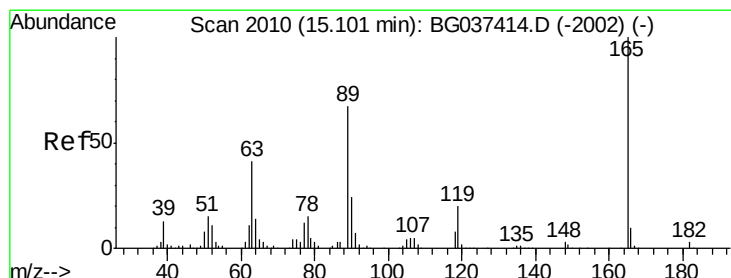
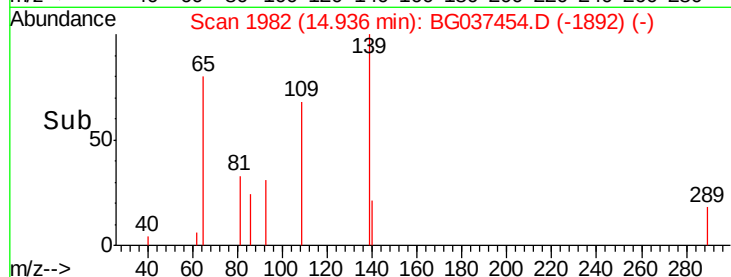
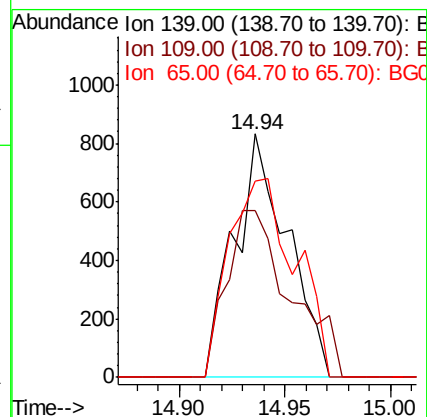
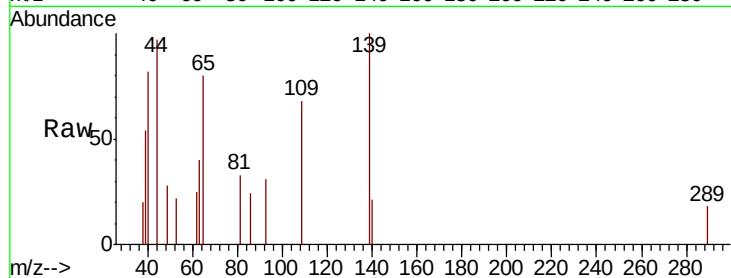
Tgt Ion:139 Resp: 1460

Ion Ratio Lower Upper

139 100

109 68.4 49.5 89.5

65 80.4 76.8 116.8



#57

2,4-Dinitrotoluene

Concen: 1.604 ng

RT: 15.10 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:165 Resp: 5837

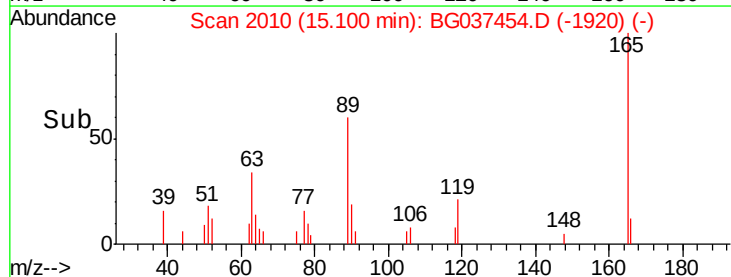
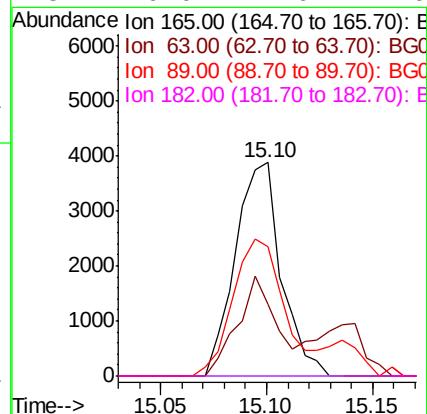
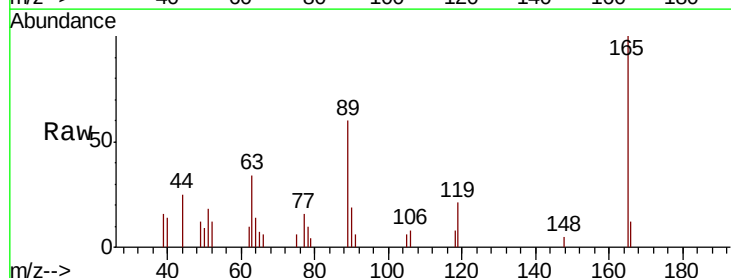
Ion Ratio Lower Upper

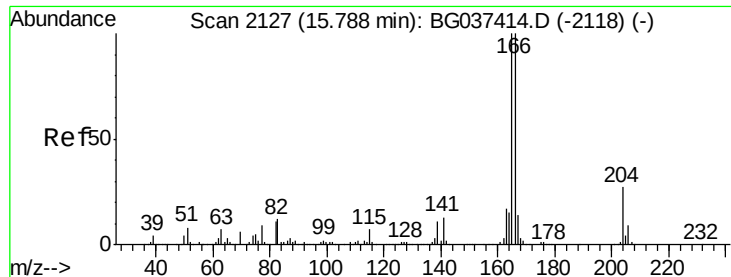
165 100

63 33.6 33.4 50.0

89 60.3 57.2 85.8

182 0.0 2.6 4.0#

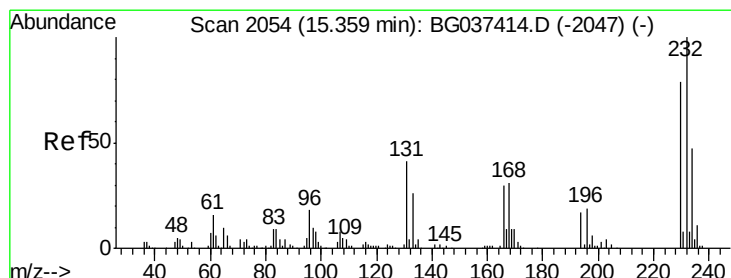
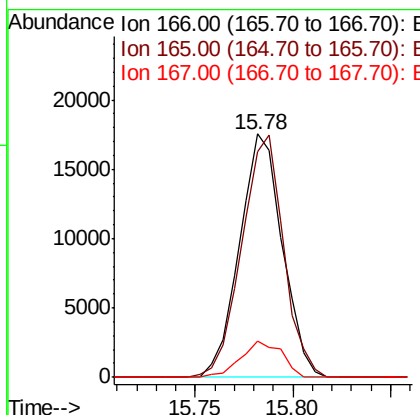
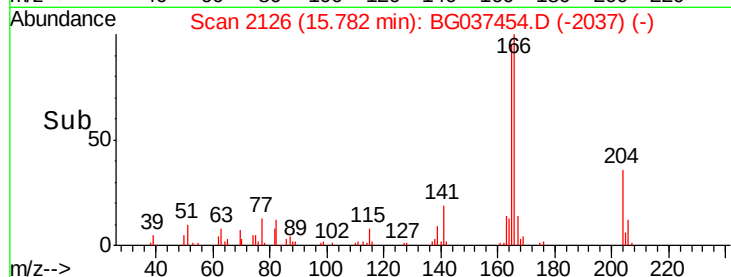
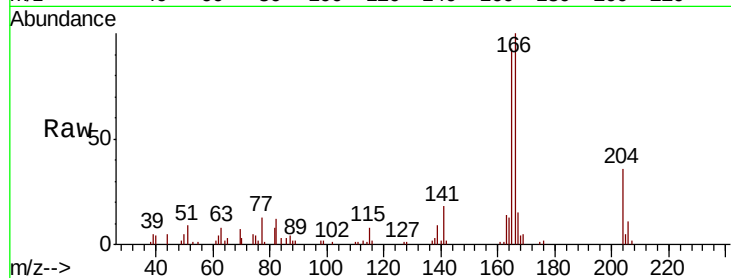




#58
 Fluorene
 Concen: 2.286 ng
 RT: 15.78 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

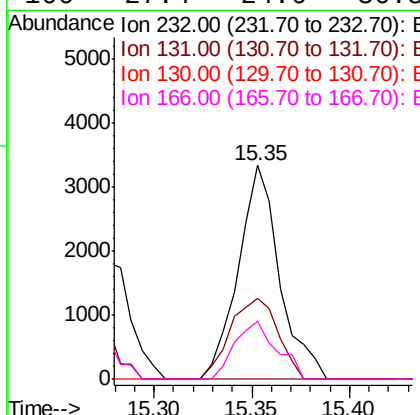
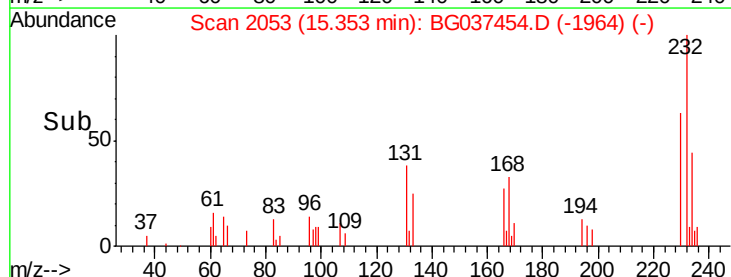
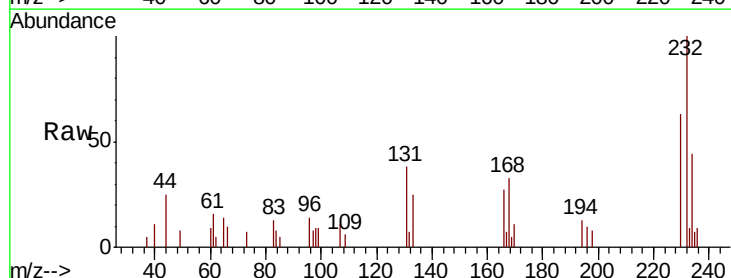
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

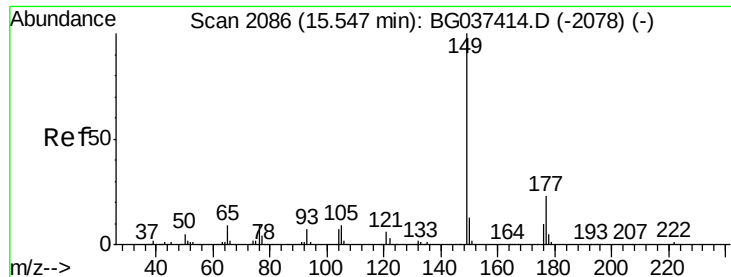
Tgt Ion:166 Resp: 26661
 Ion Ratio Lower Upper
 166 100
 165 92.7 79.0 118.6
 167 15.1 11.3 16.9



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 1.503 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion:232 Resp: 4890
 Ion Ratio Lower Upper
 232 100
 131 43.6 33.7 50.5
 130 0.0 2.1 3.1#
 166 27.4 24.6 36.8





#60

Diethylphthalate

Concen: 1.980 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

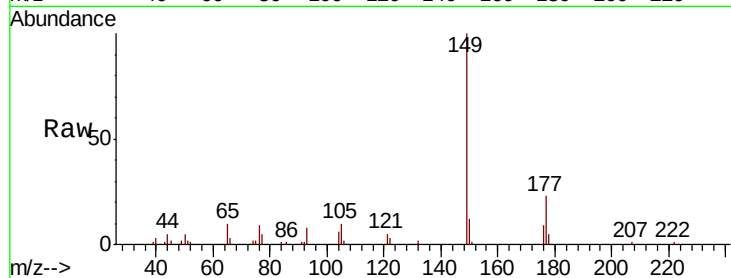
Tgt Ion:149 Resp: 25468

Ion Ratio Lower Upper

149 100

177 23.0 18.3 27.5

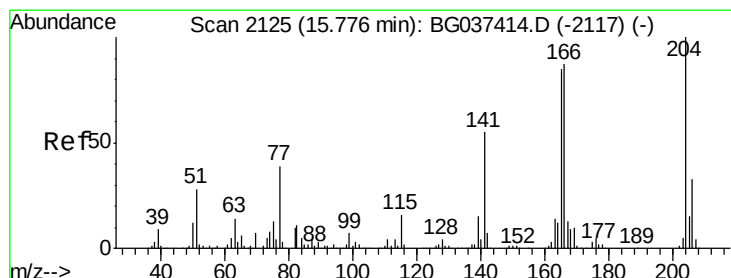
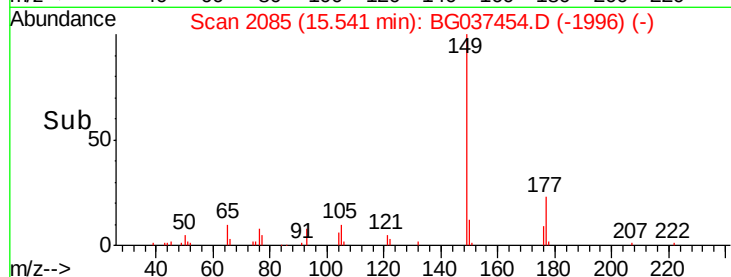
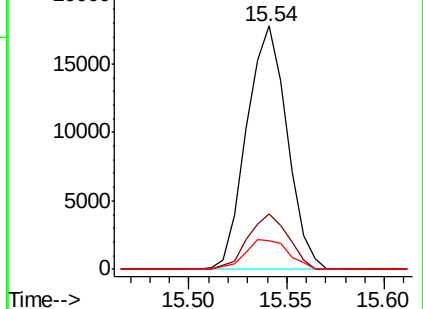
150 11.9 10.0 15.0



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: 1.904 ng

RT: 15.78 min Scan# 2125

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

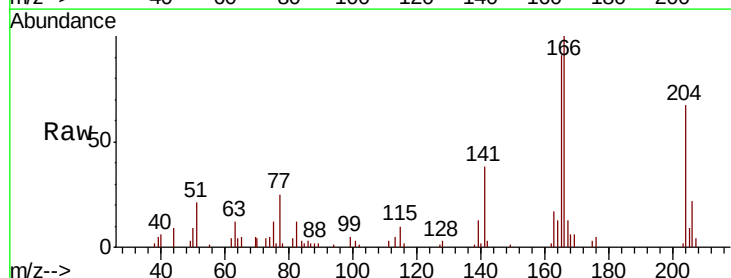
Tgt Ion:204 Resp: 12947

Ion Ratio Lower Upper

204 100

206 33.4 26.6 39.8

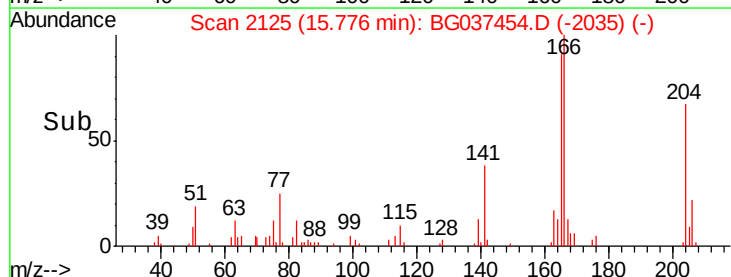
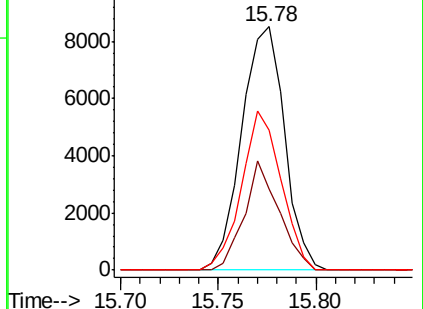
141 57.6 45.4 68.2

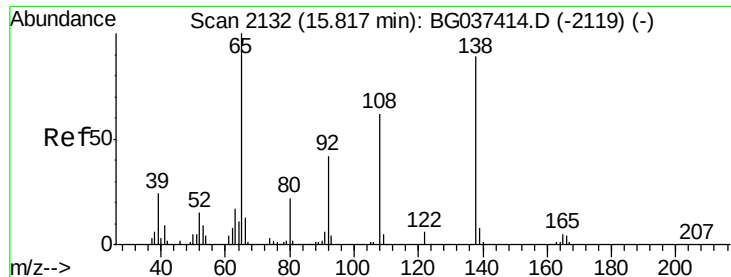


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

4-Nitroaniline

Concen: 1.550 ng

RT: 15.81 min Scan# 2130

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

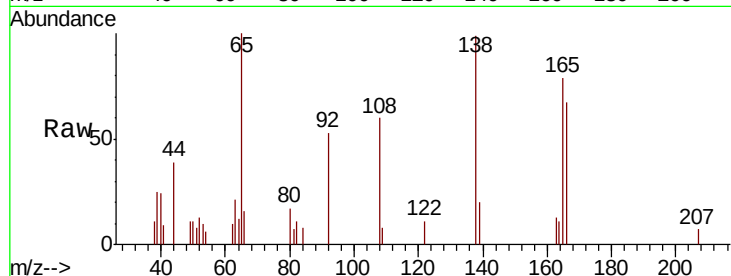
Tgt Ion:138 Resp: 4739

Ion Ratio Lower Upper

138 100

92 53.5 36.4 76.4

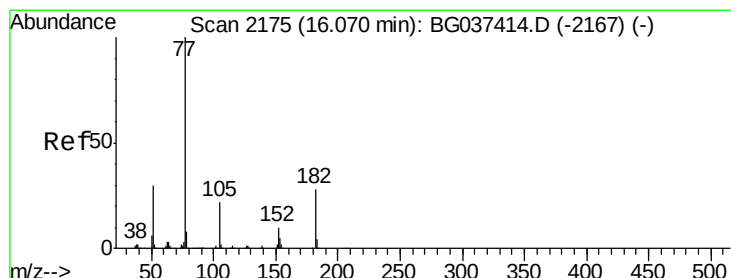
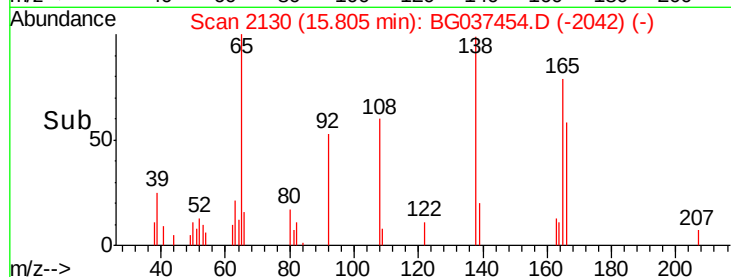
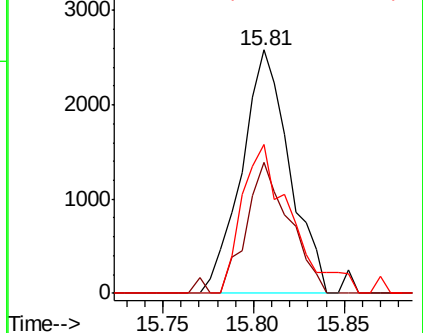
108 61.0 60.1 100.1



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 2.068 ng

RT: 16.06 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion: 77 Resp: 25386

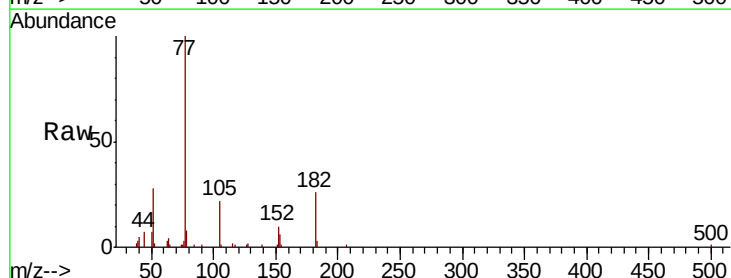
Ion Ratio Lower Upper

77 100

182 26.0 8.0 48.0

105 21.6 1.3 41.3

51 27.6 10.7 50.7

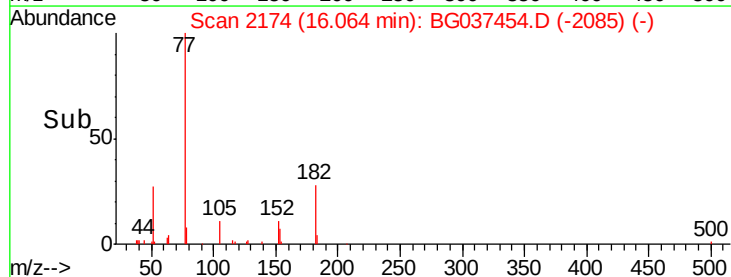
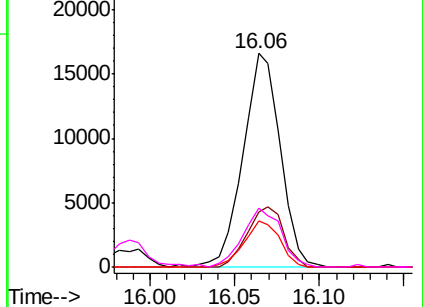


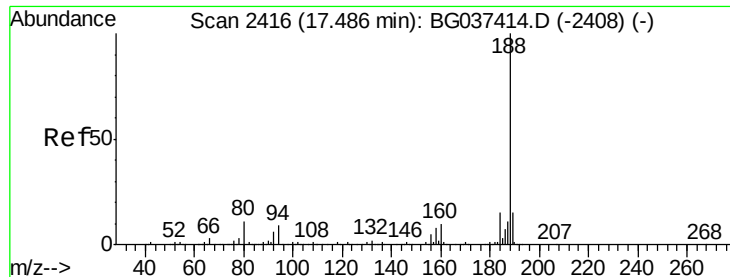
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG

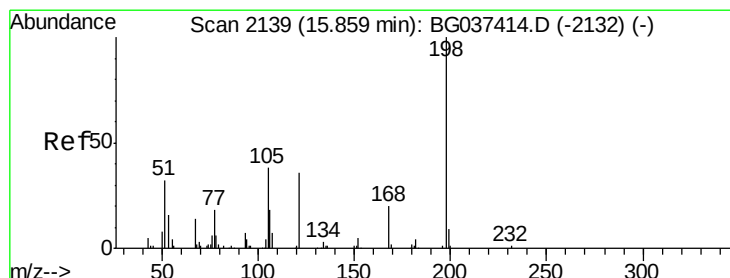
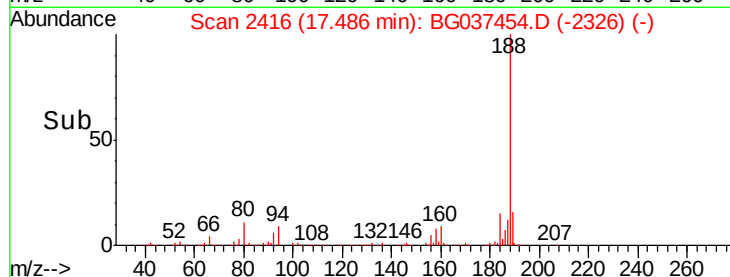
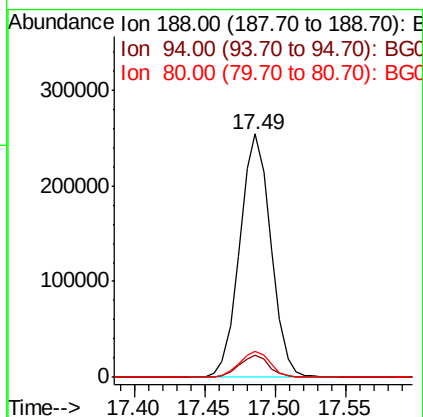
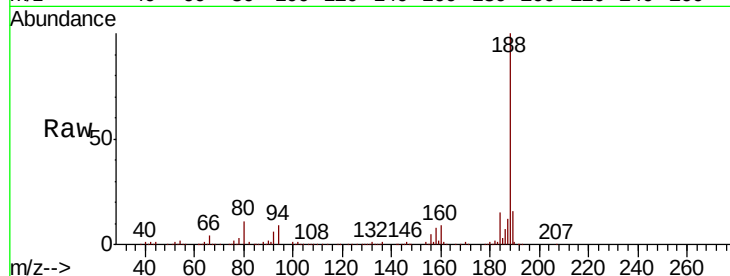




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

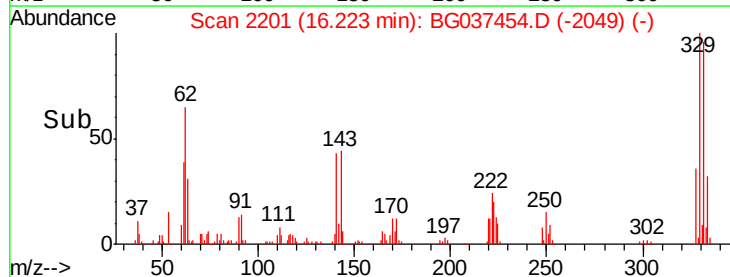
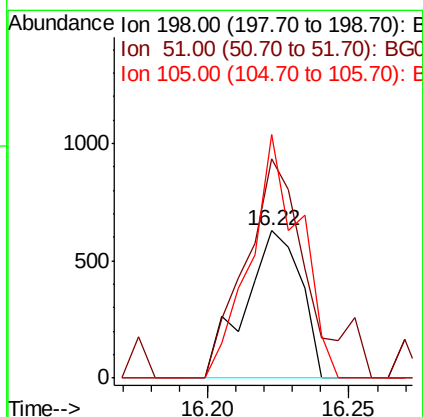
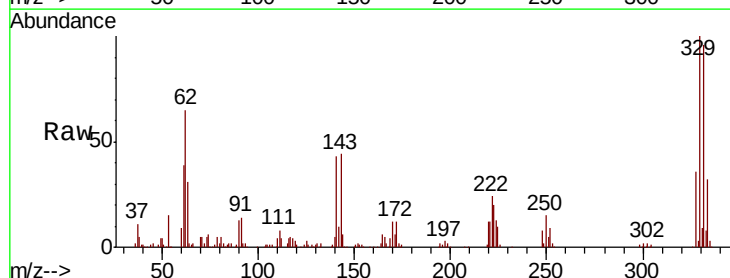
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

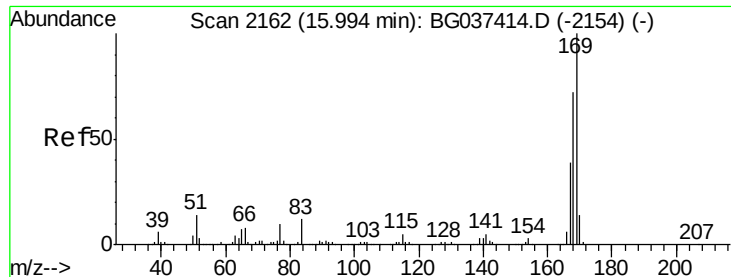
Tgt Ion:188 Resp: 391568
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 10.5 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.853 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.36 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:198 Resp: 862
Ion Ratio Lower Upper
198 100
51 31.9 22.7 62.7
105 35.4 19.7 59.7





#66

n-Nitrosodiphenylamine

Concen: 1.931 ng

RT: 15.99 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

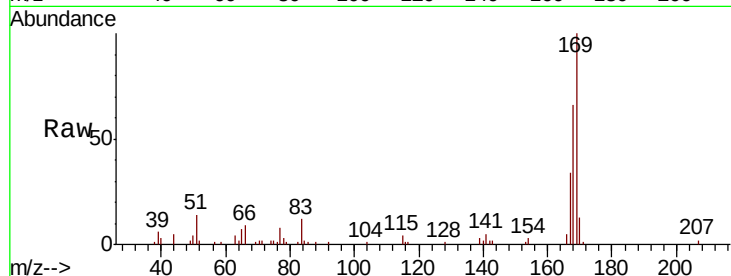
Tgt Ion:169 Resp: 22740

Ion Ratio Lower Upper

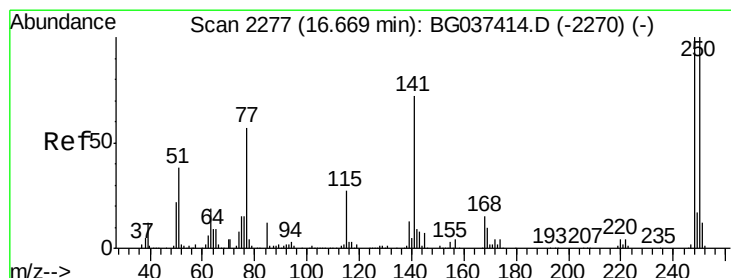
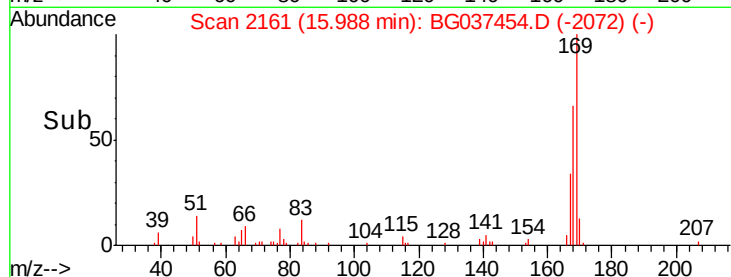
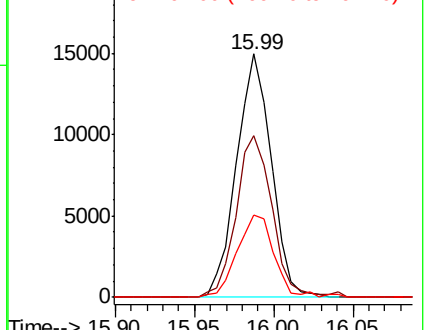
169 100

168 66.2 55.7 83.5

167 34.0 31.3 46.9



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 1.981 ng

RT: 16.67 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

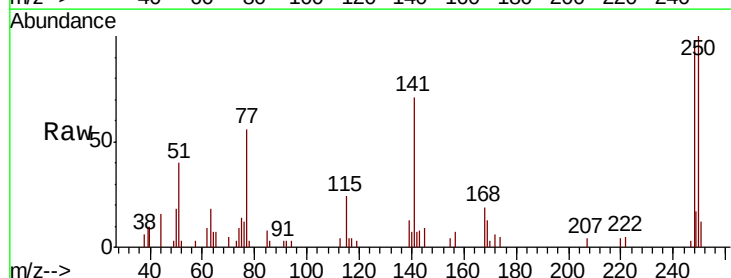
Tgt Ion:248 Resp: 8518

Ion Ratio Lower Upper

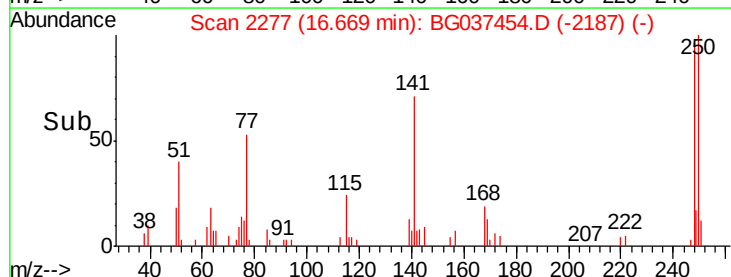
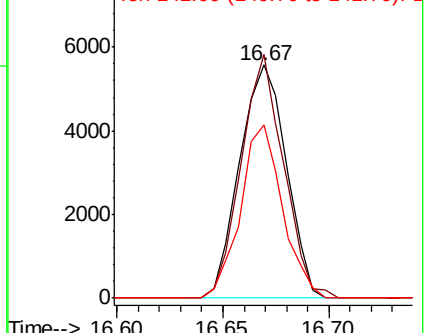
248 100

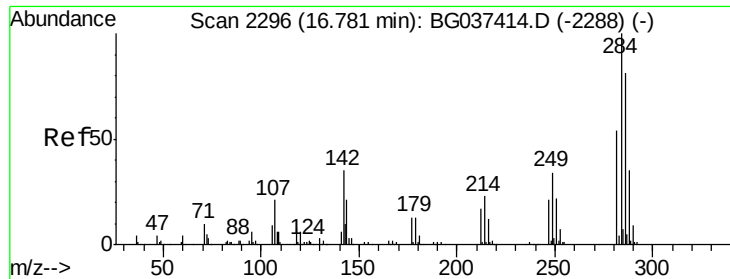
250 104.6 77.0 115.6

141 74.4 55.5 83.3



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





#68

Hexachlorobenzene

Concen: 1.850 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

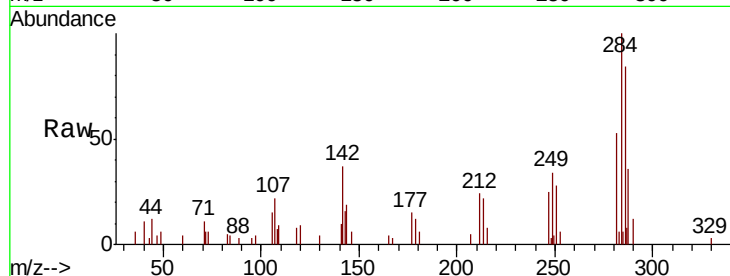
Tgt Ion:284 Resp: 8244

Ion Ratio Lower Upper

284 100

142 52.7 28.1 42.1#

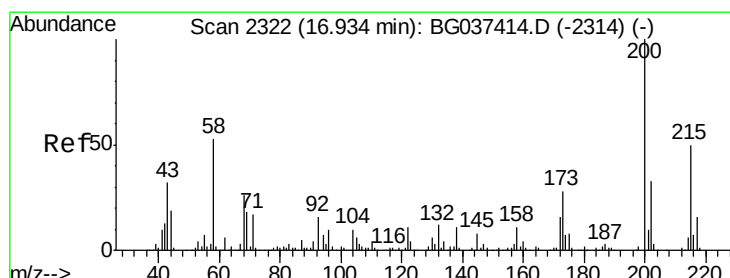
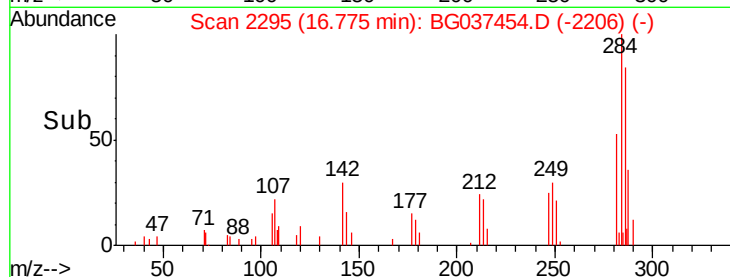
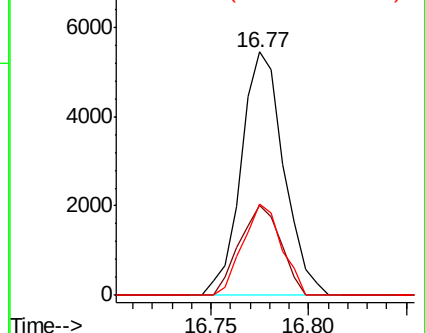
249 37.4 29.8 44.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Atrazine

Concen: 1.740 ng

RT: 16.93 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

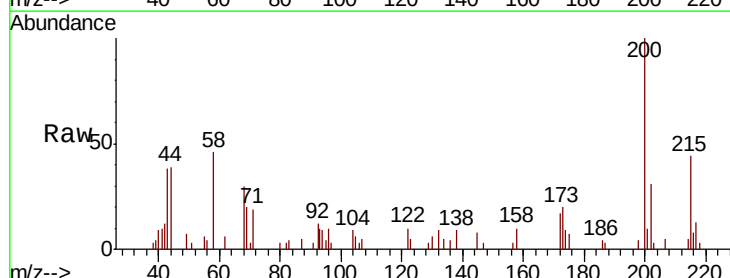
Tgt Ion:200 Resp: 7408

Ion Ratio Lower Upper

200 100

173 20.0 6.1 46.1

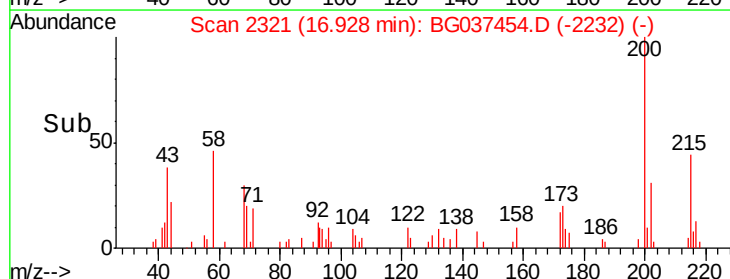
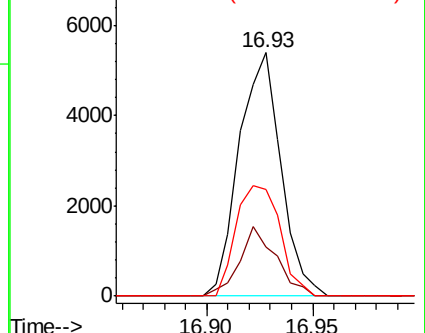
215 43.8 30.8 70.8

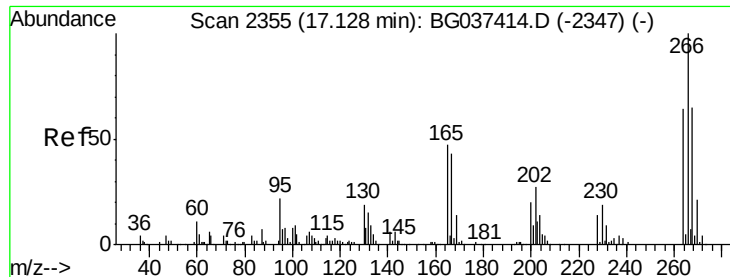


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Pentachlorophenol

Concen: 0.490 ng

RT: 17.12 min Scan# 2354

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

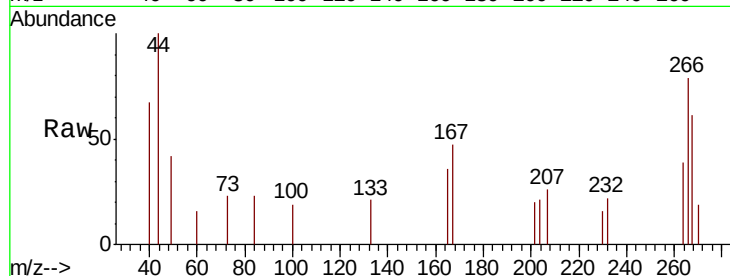
Tgt Ion:266 Resp: 1462

Ion Ratio Lower Upper

266 100

268 77.9 55.0 82.6

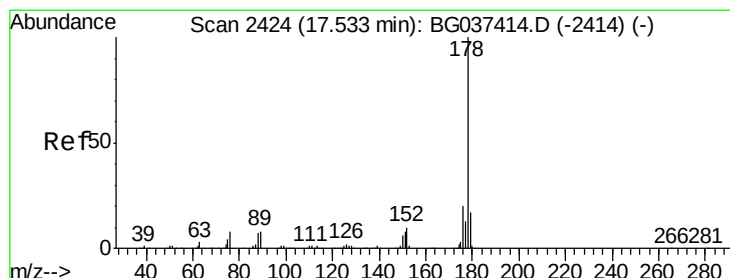
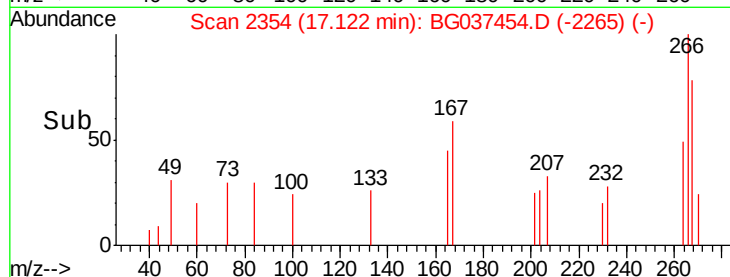
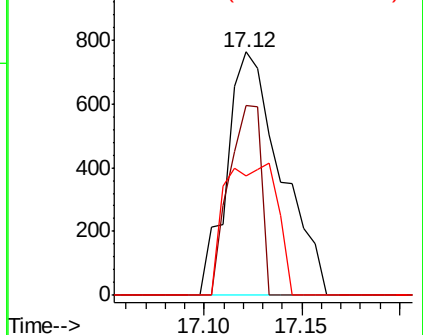
264 48.9 58.9 88.3#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 2.301 ng

RT: 17.53 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

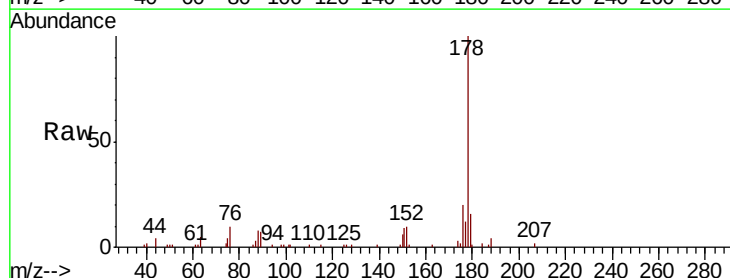
Tgt Ion:178 Resp: 45797

Ion Ratio Lower Upper

178 100

176 20.4 16.1 24.1

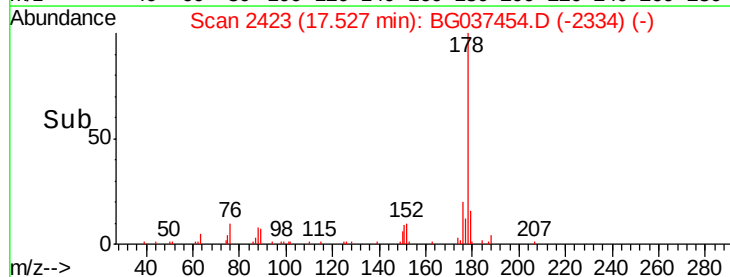
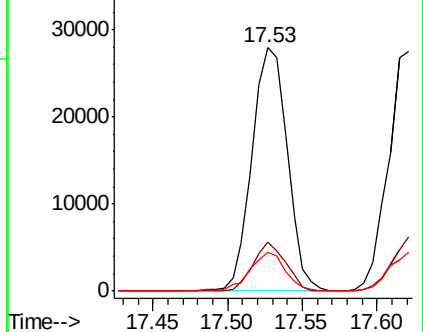
179 15.7 13.0 19.4

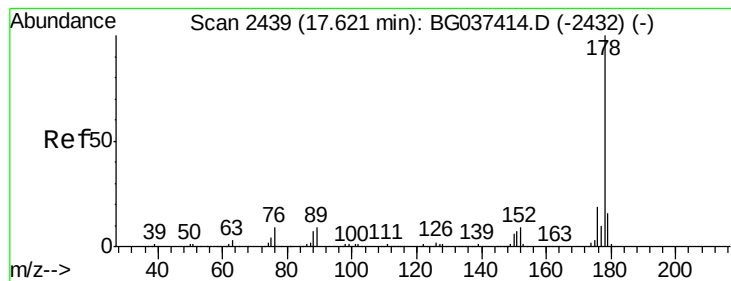


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.345 ng

RT: 17.53 min Scan# 2423

Delta R.T. -0.09 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

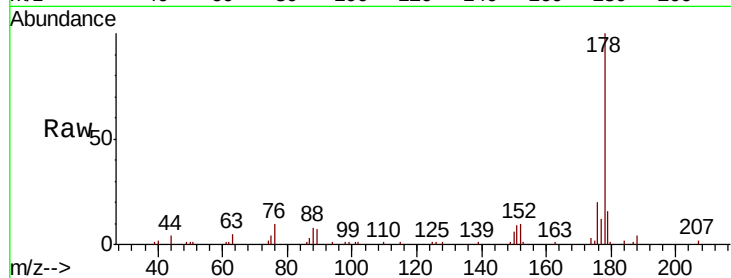
Tgt Ion:178 Resp: 45797

Ion Ratio Lower Upper

178 100

176 20.4 15.0 22.4

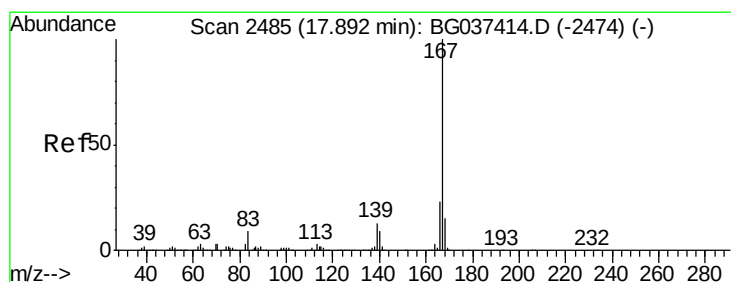
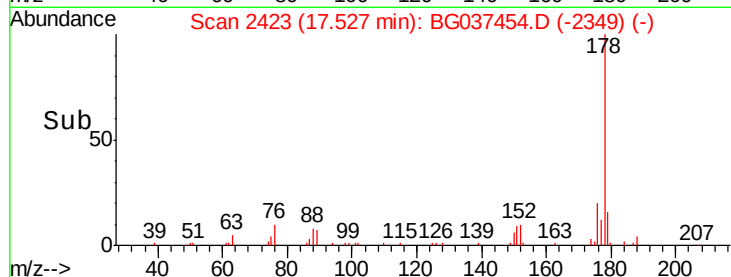
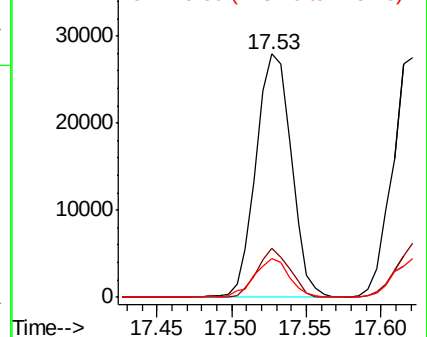
179 15.7 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 1.780 ng

RT: 17.89 min Scan# 2484

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

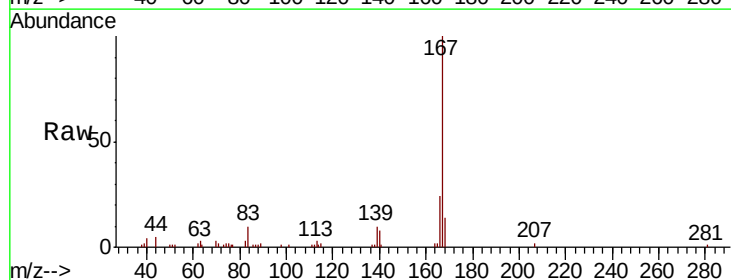
Tgt Ion:167 Resp: 34779

Ion Ratio Lower Upper

167 100

166 23.7 18.3 27.5

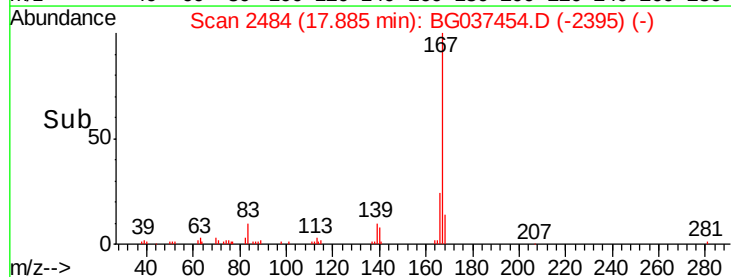
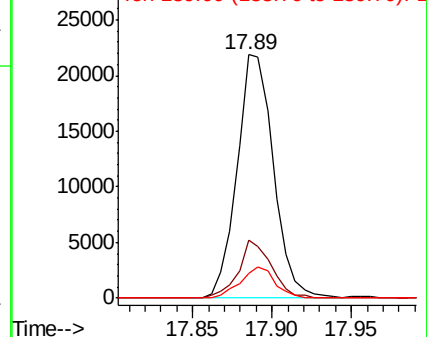
139 10.0 10.5 15.7#

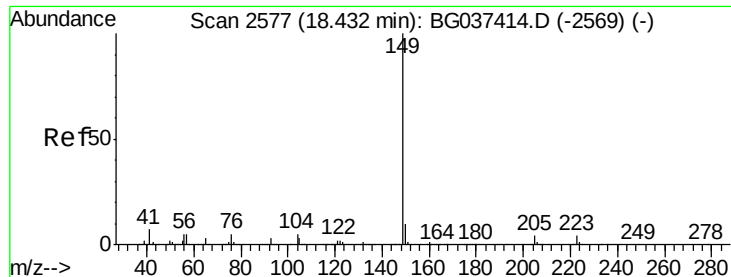


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 1.809 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

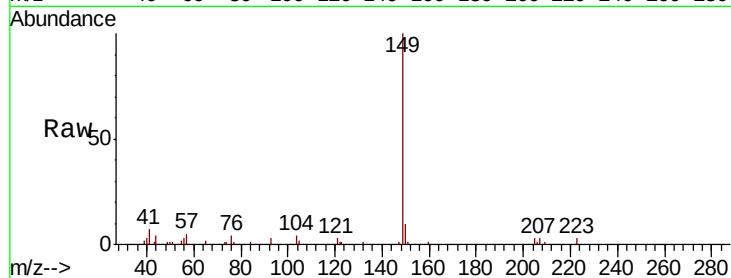
Tgt Ion:149 Resp: 39304

Ion Ratio Lower Upper

149 100

150 10.3 8.2 12.2

104 3.9 4.0 6.0#

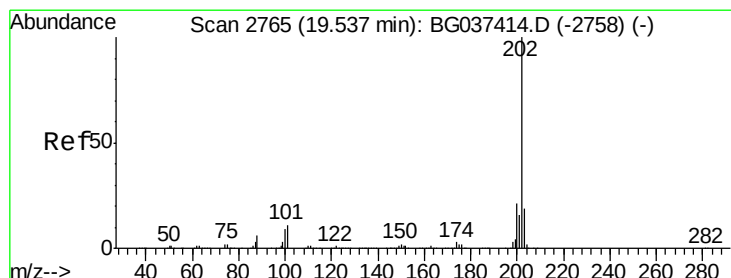
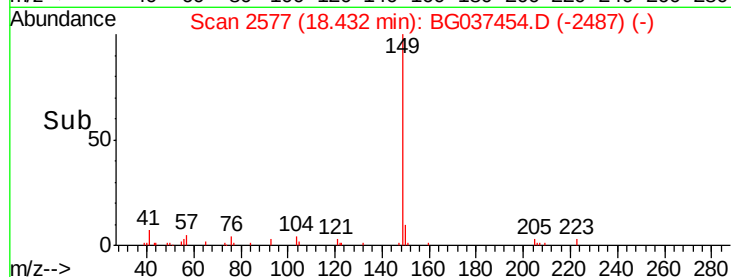
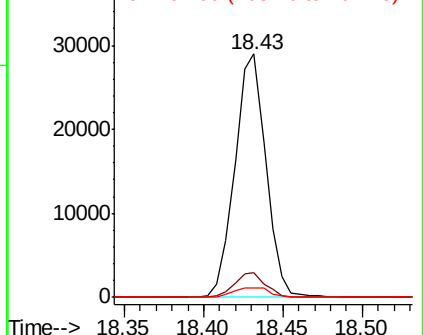


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 2.140 ng

RT: 19.53 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

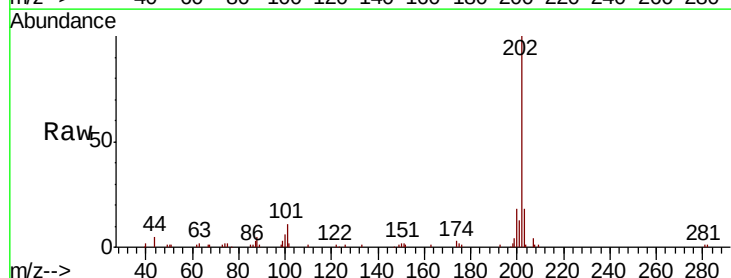
Tgt Ion:202 Resp: 48300

Ion Ratio Lower Upper

202 100

101 13.0 0.0 30.7

203 18.4 0.0 38.5

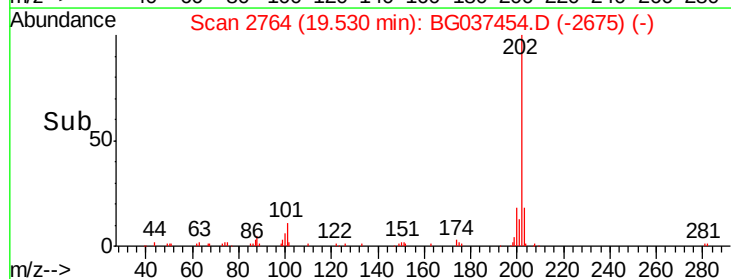
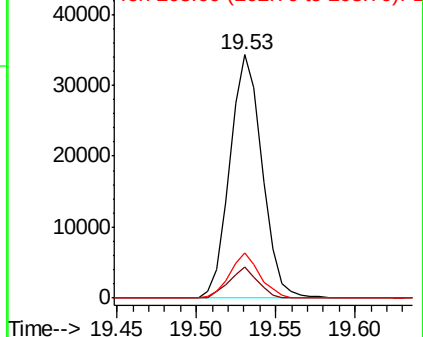


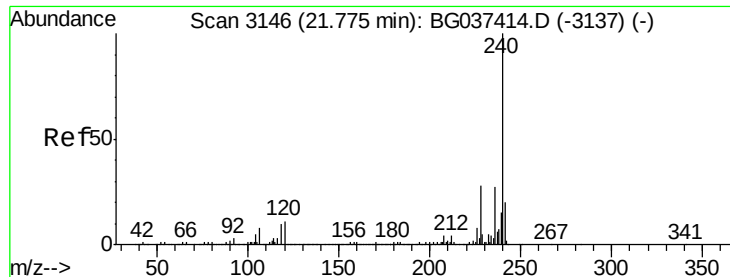
Abundance

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

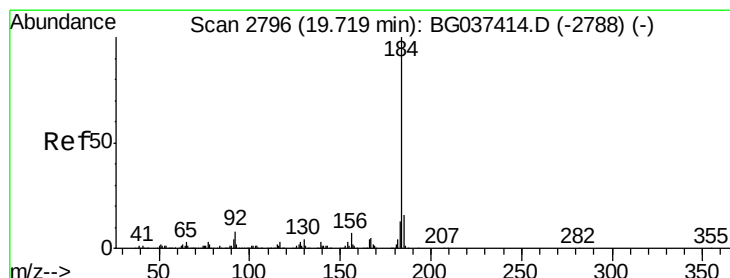
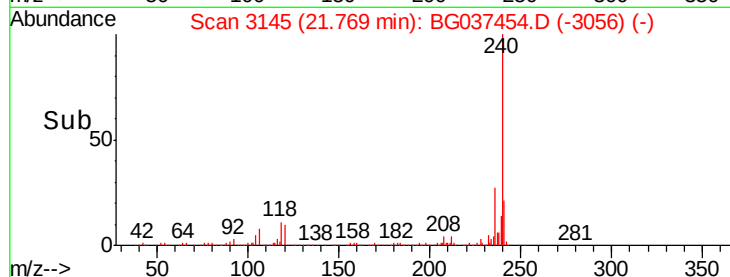
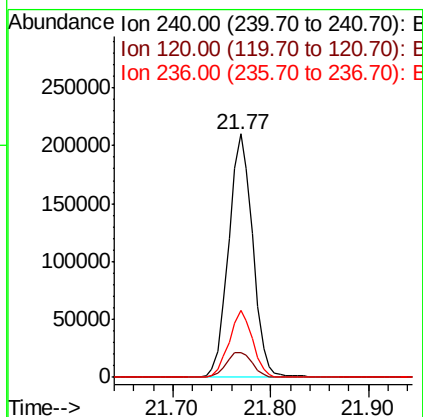
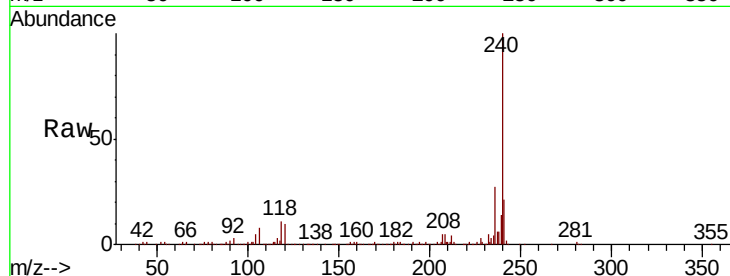




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

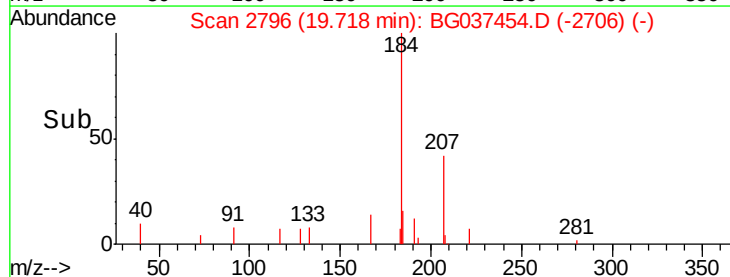
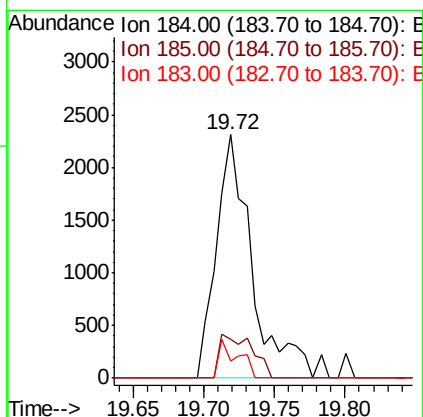
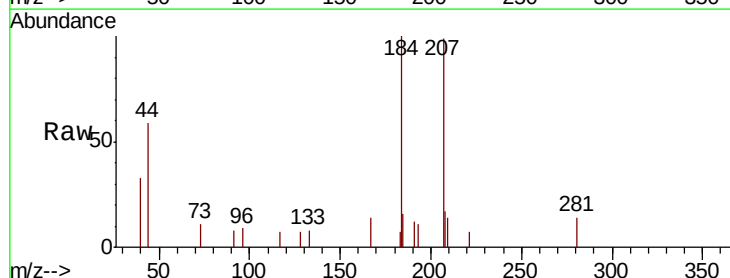
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

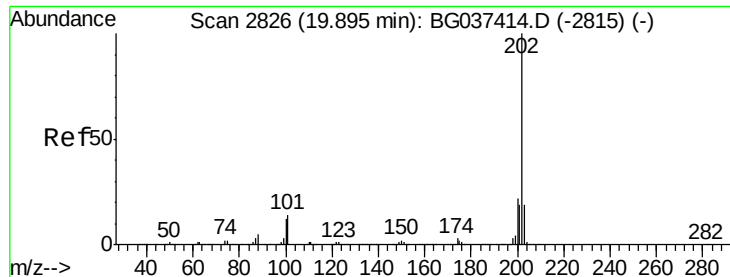
Tgt Ion:240 Resp: 360291
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 27.3 21.4 32.0



#77
Benzidine
Concen: 0.337 ng
RT: 19.72 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:184 Resp: 4123
Ion Ratio Lower Upper
184 100
185 16.2 12.6 18.8
183 7.1 10.2 15.2#

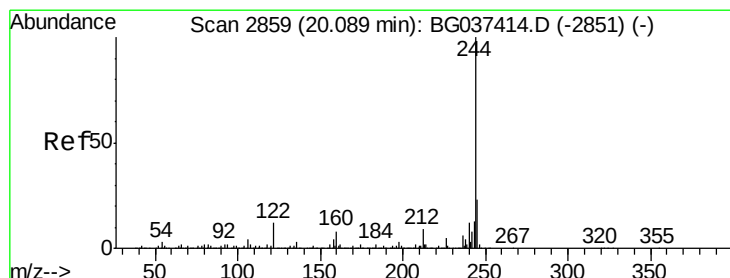
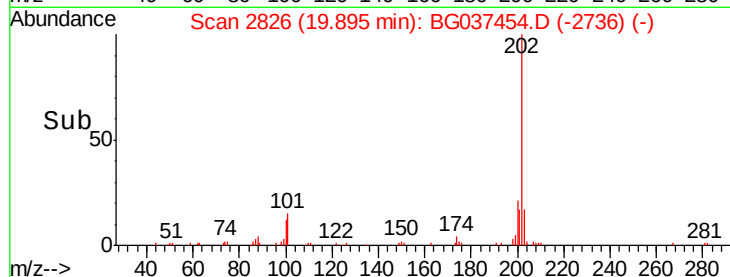
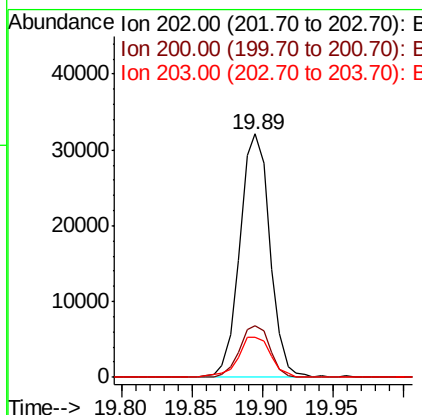
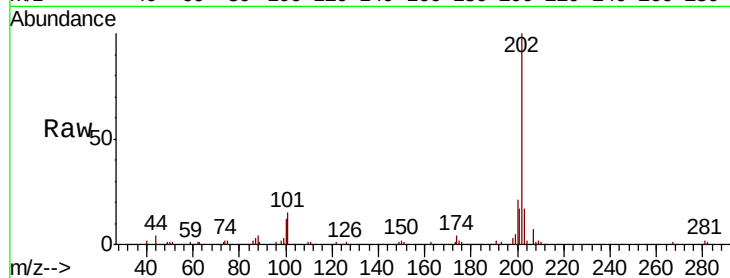




#78
 Pyrene
 Concen: 2.029 ng
 RT: 19.89 min Scan# 2826
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

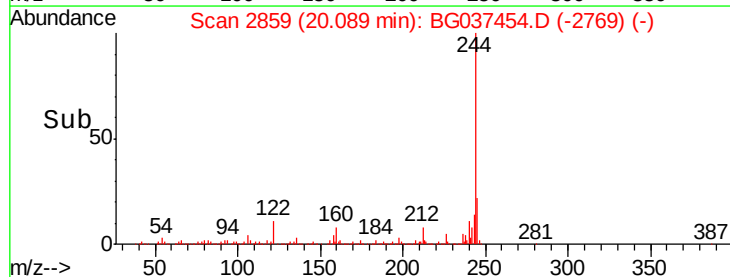
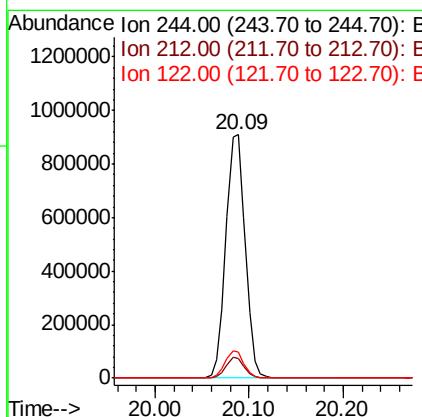
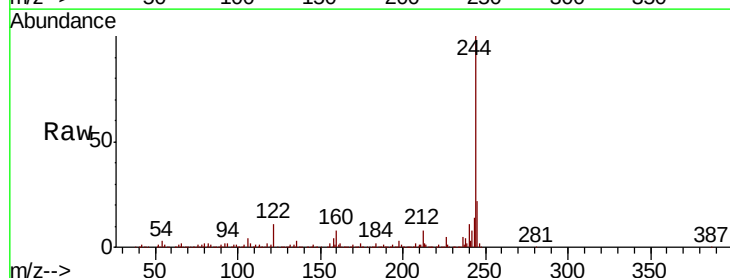
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

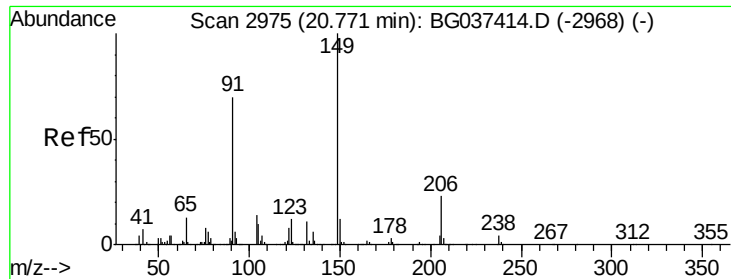
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	16.6	15.2	22.8



#79
 Terphenyl-d14
 Concen: 77.293 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	10.8	9.0	13.4

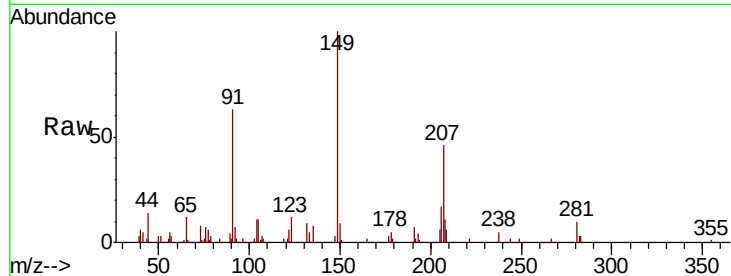




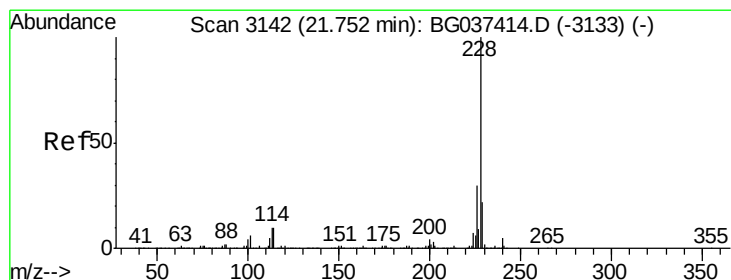
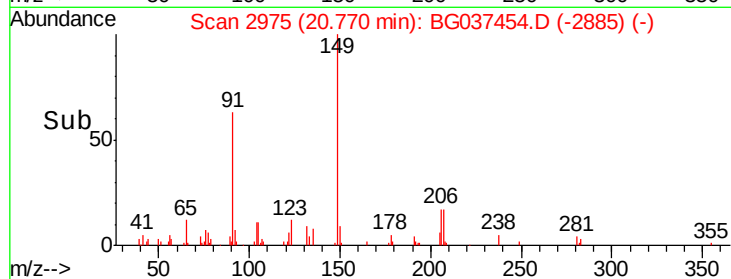
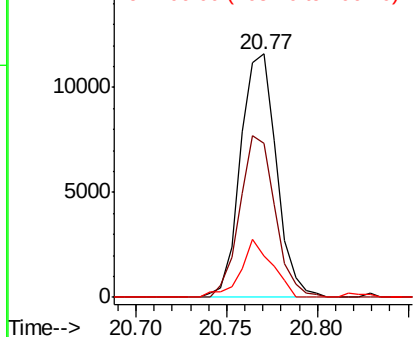
#80
Butylbenzylphthalate
Concen: 1.657 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

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

Tgt Ion:149 Resp: 15976
Ion Ratio Lower Upper
149 100
91 63.1 57.0 85.4
206 16.9 17.8 26.6#

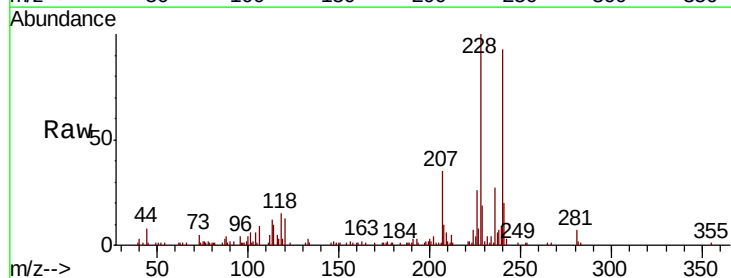


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

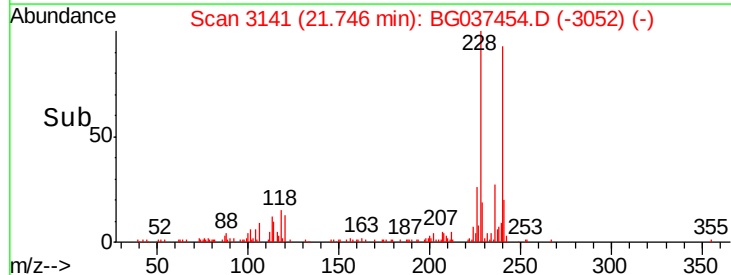
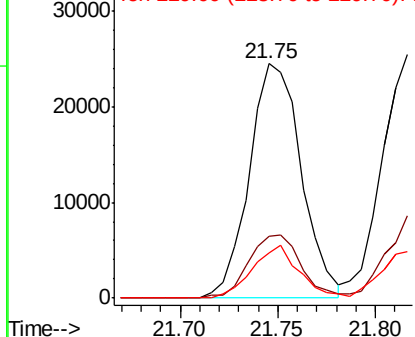


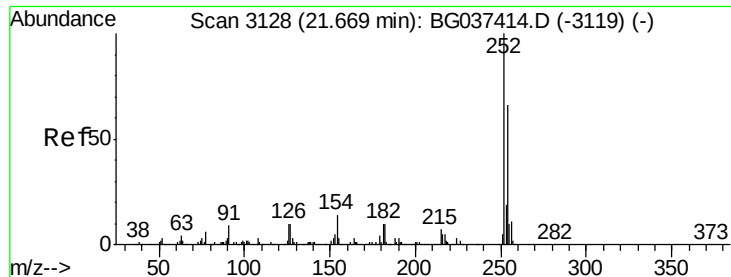
#81
Benzo(a)anthracene
Concen: 2.118 ng
RT: 21.75 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG037454.D
Acq: 19 Oct 2018 15:18

Tgt Ion:228 Resp: 45134
Ion Ratio Lower Upper
228 100
226 26.2 22.6 33.8
229 19.3 16.3 24.5



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

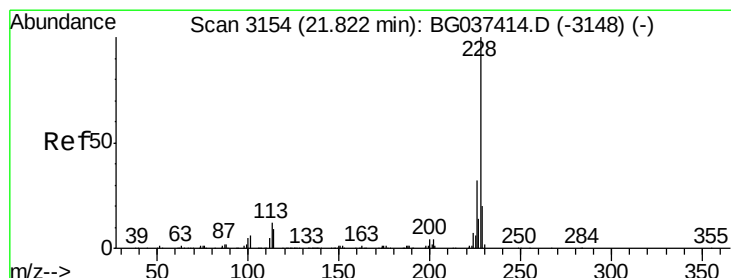
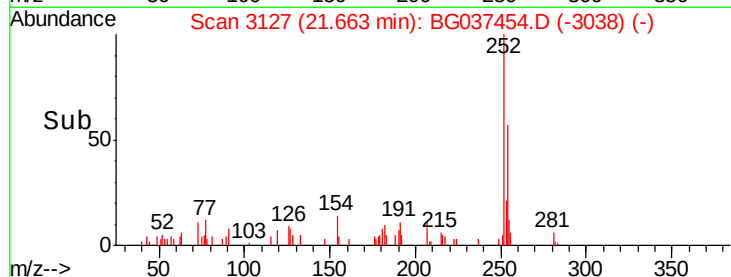
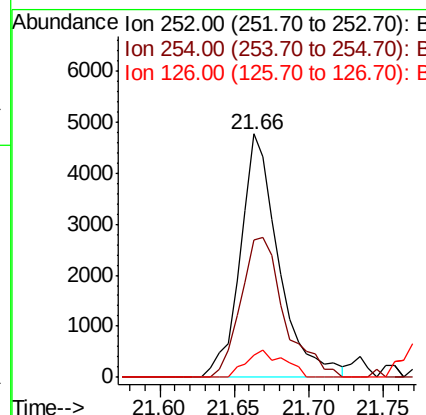
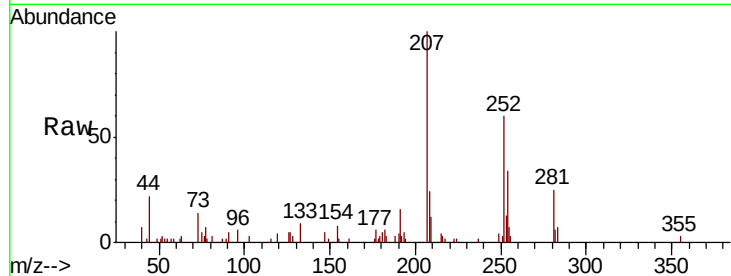




#82
 3,3'-Dichlorobenzidine
 Concen: 1.030 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

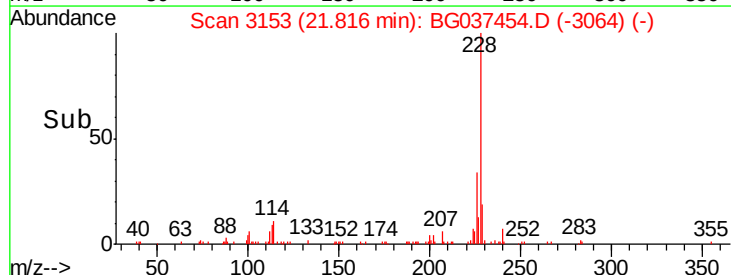
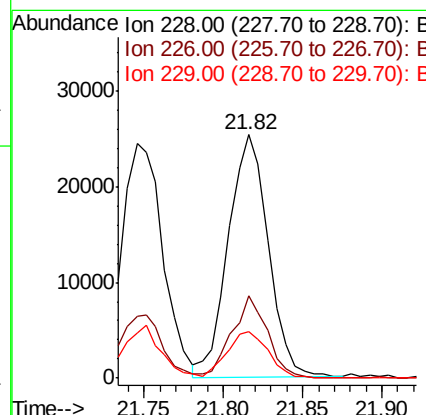
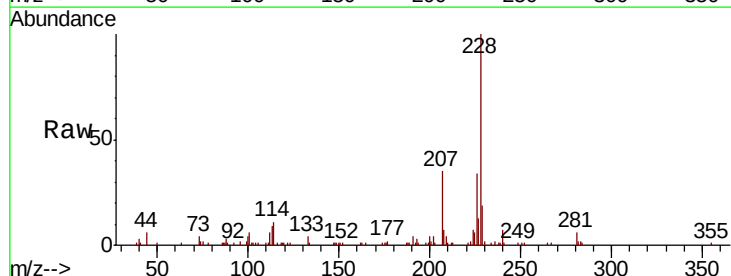
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

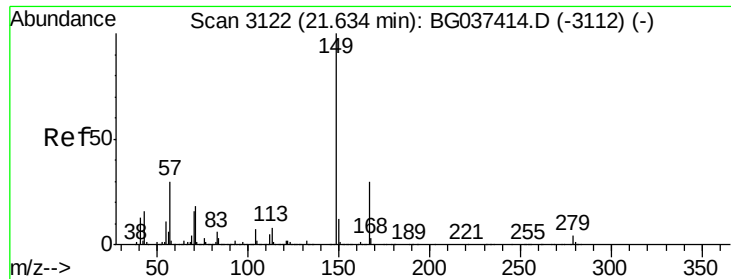
Tgt Ion: 252 Resp: 8510
 Ion Ratio Lower Upper
 252 100
 254 56.6 52.0 78.0
 126 8.9 8.2 12.4



#83
 Chrysene
 Concen: 2.148 ng
 RT: 21.82 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion: 228 Resp: 44018
 Ion Ratio Lower Upper
 228 100
 226 33.9 25.7 38.5
 229 18.9 16.5 24.7

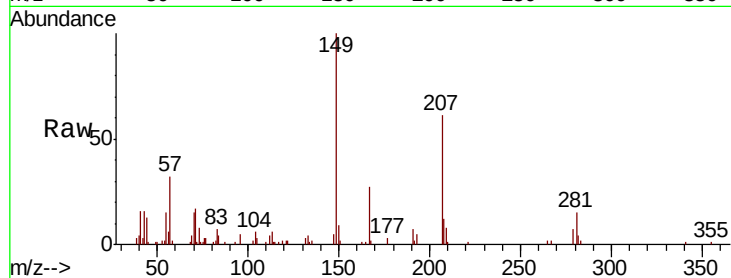




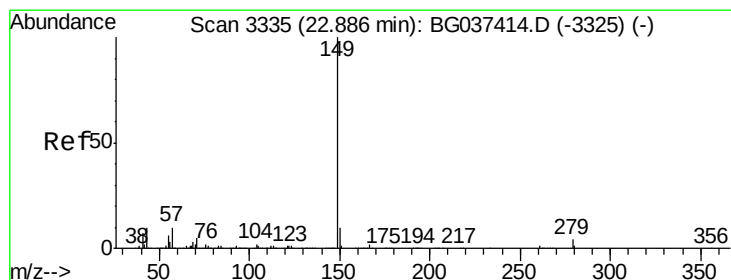
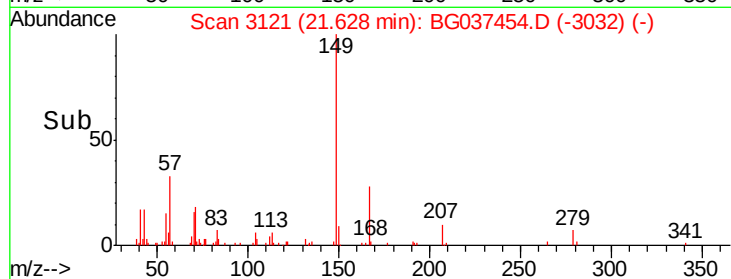
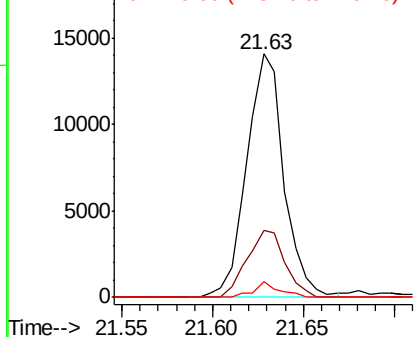
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.489 ng
 RT: 21.63 min Scan# 3121
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

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

Tgt Ion:149 Resp: 20116
 Ion Ratio Lower Upper
 149 100
 167 27.4 23.0 34.4
 279 6.7 3.6 5.4#

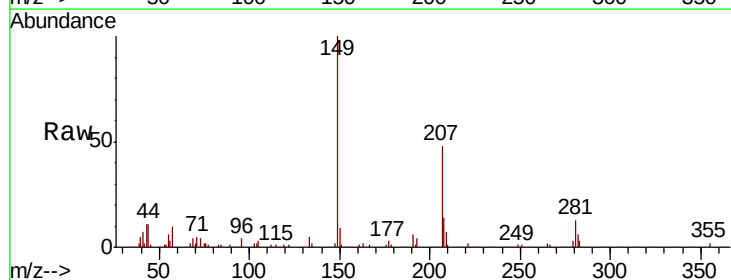


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

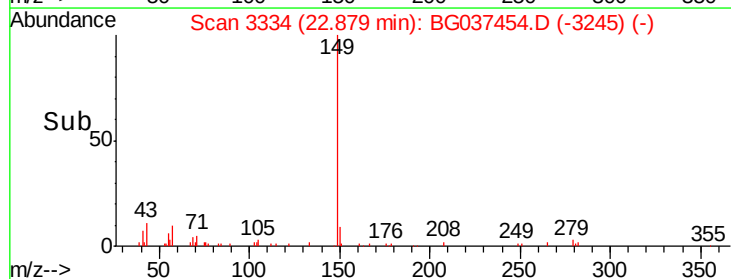
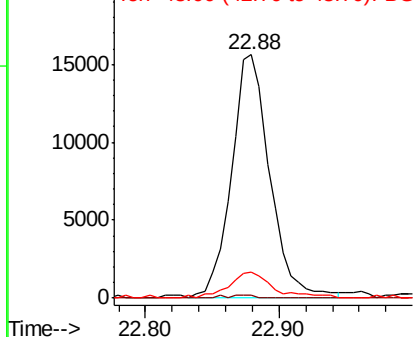


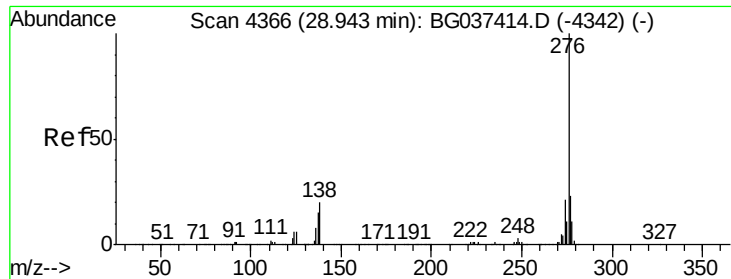
#85
 Di-n-octyl phthalate
 Concen: 1.416 ng
 RT: 22.88 min Scan# 3334
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion:149 Resp: 31204
 Ion Ratio Lower Upper
 149 100
 167 0.9 1.3 1.9#
 43 12.3 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): BGO

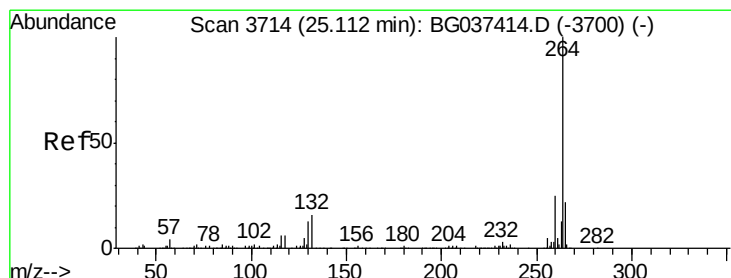
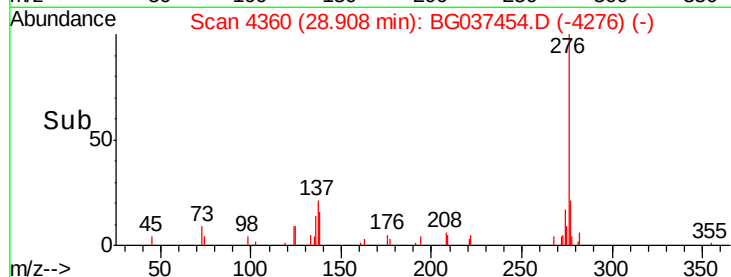
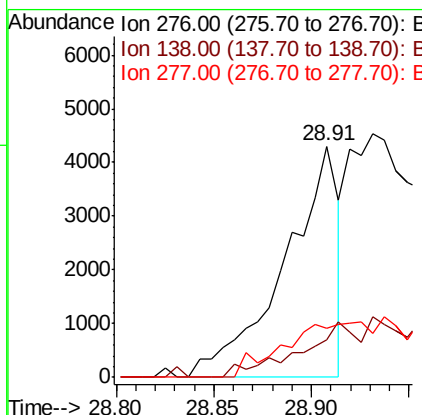
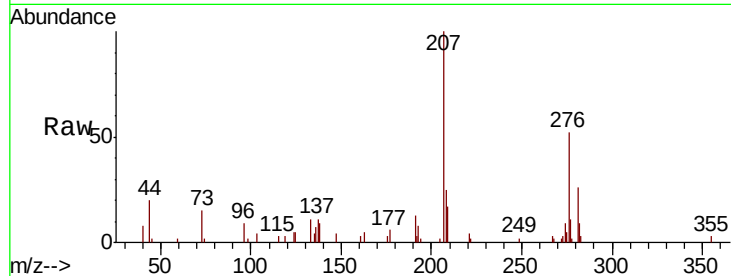




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.376 ng
 RT: 28.91 min Scan# 4360
 Delta R.T. -0.04 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

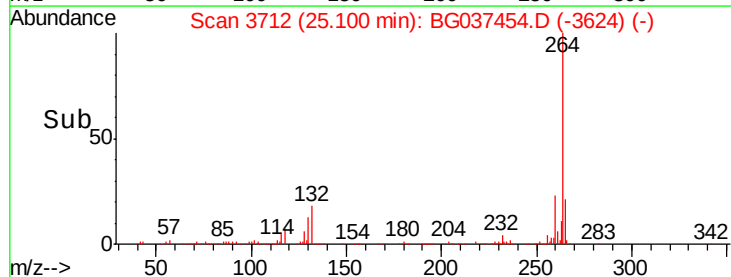
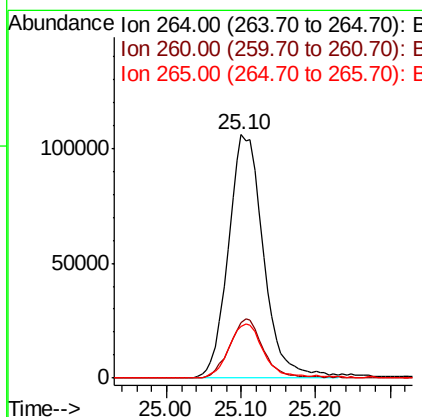
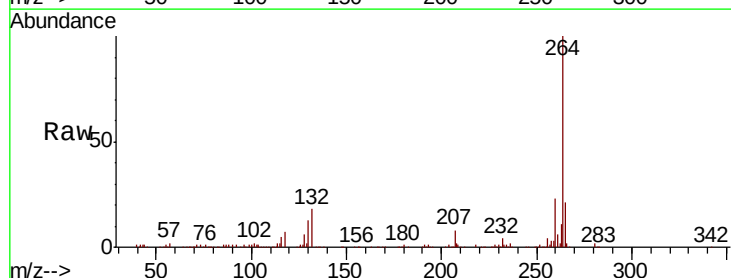
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

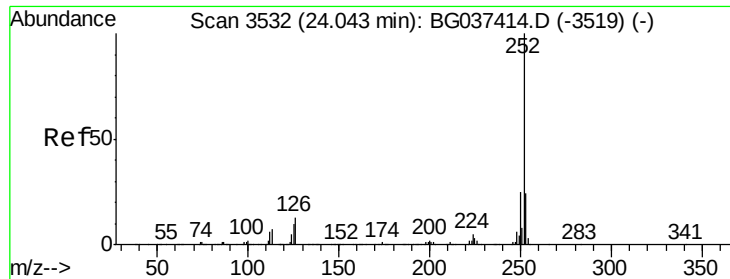
Tgt Ion: 276 Resp: 8260
 Ion Ratio Lower Upper
 276 100
 138 25.6 12.0 18.0#
 277 0.0 20.6 30.8#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3712
 Delta R.T. -0.01 min
 Lab File: BG037454.D
 Acq: 19 Oct 2018 15:18

Tgt Ion: 264 Resp: 347520
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.2 27.4
 265 21.4 17.9 26.9





#88

Benzo(b)fluoranthene

Concen: 1.981 ng

RT: 24.03 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

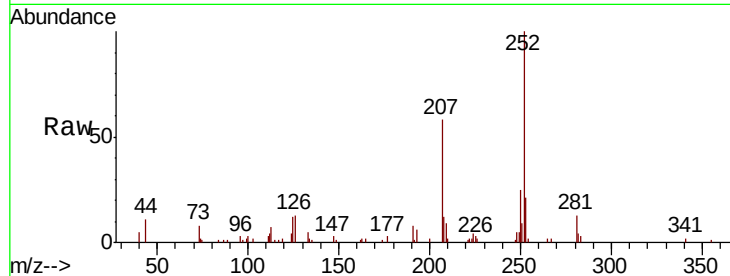
Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	252	Resp:	37752
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.2	27.2
125	12.3	7.8	11.6#

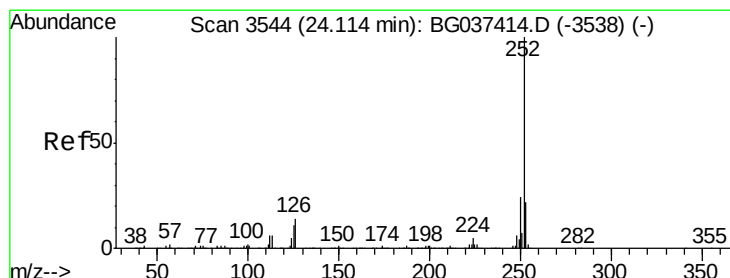
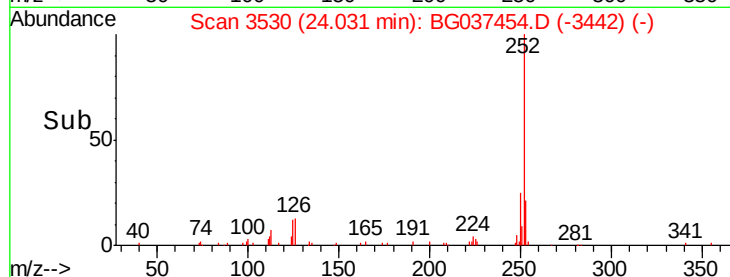
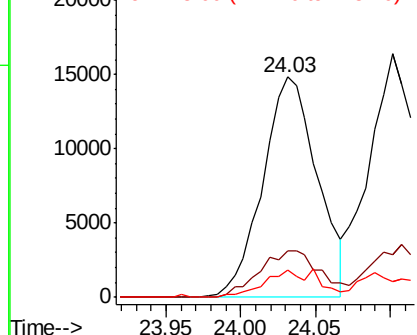


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 2.180 ng

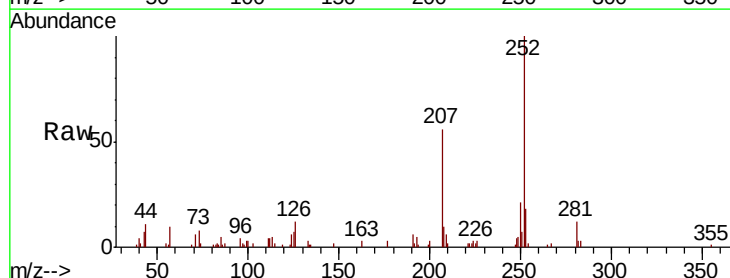
RT: 24.10 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Tgt Ion:	252	Resp:	40699
Ion Ratio	Lower	Upper	
252	100		
253	17.5	17.4	26.2
125	6.6	7.4	11.0#

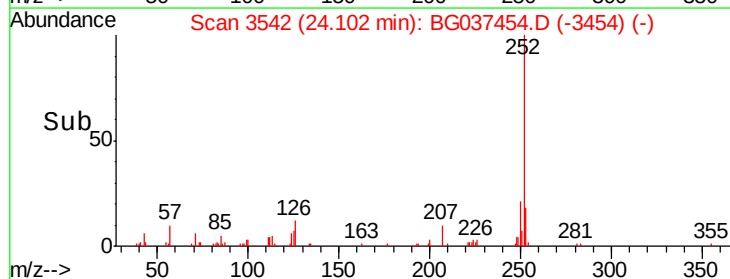
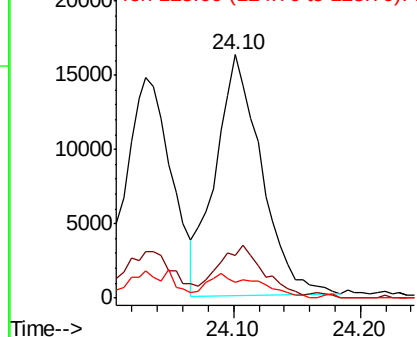


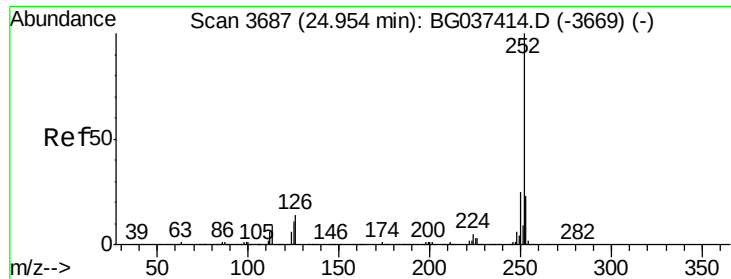
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 1.973 ng

RT: 24.94 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

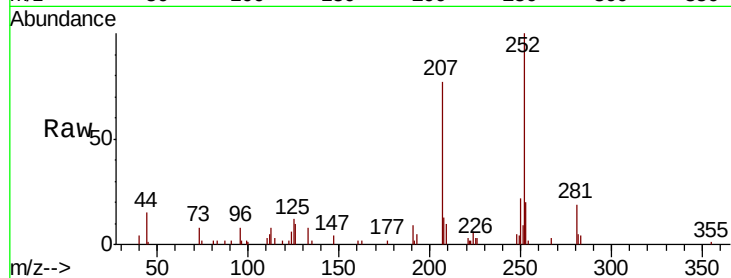
Tgt Ion:252 Resp: 35712

Ion Ratio Lower Upper

252 100

253 20.2 17.4 26.2

125 11.9 9.0 13.6

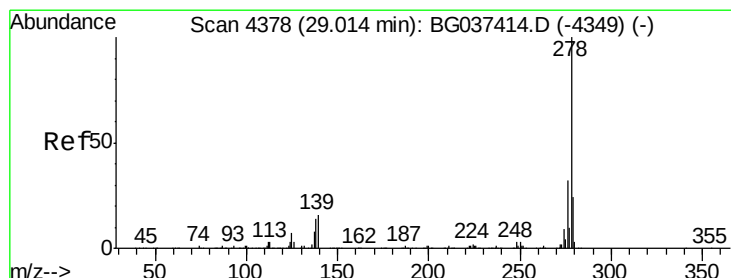
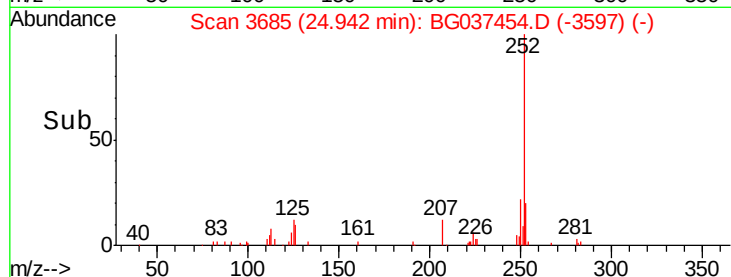
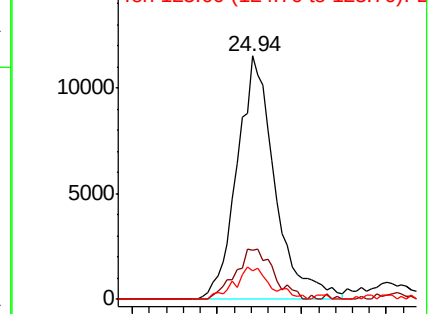


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 1.316 ng

RT: 29.01 min Scan# 4377

Delta R.T. -0.01 min

Lab File: BG037454.D

Acq: 19 Oct 2018 15:18

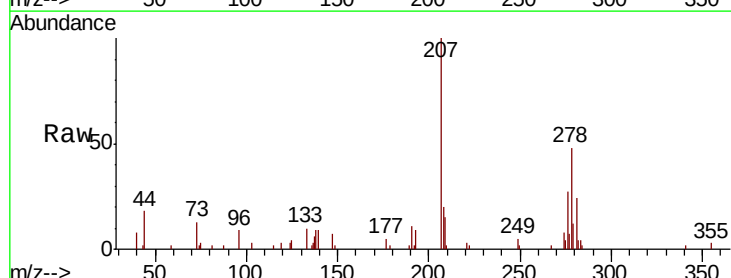
Tgt Ion:278 Resp: 21971

Ion Ratio Lower Upper

278 100

139 18.3 11.5 17.3#

279 24.1 18.6 27.8

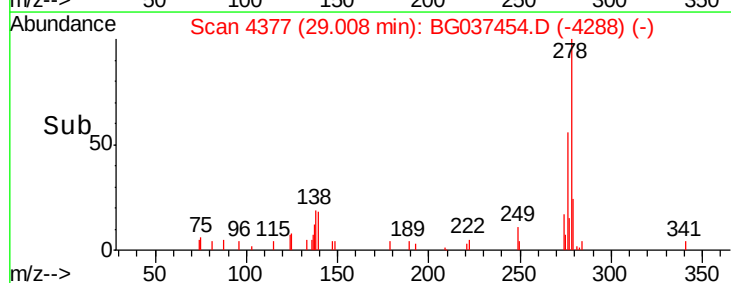
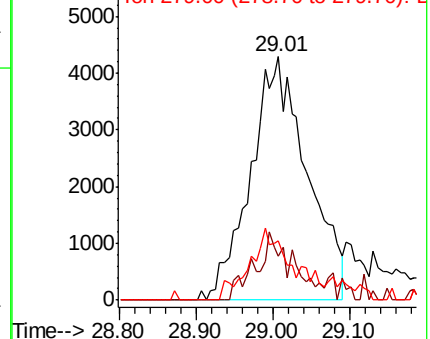


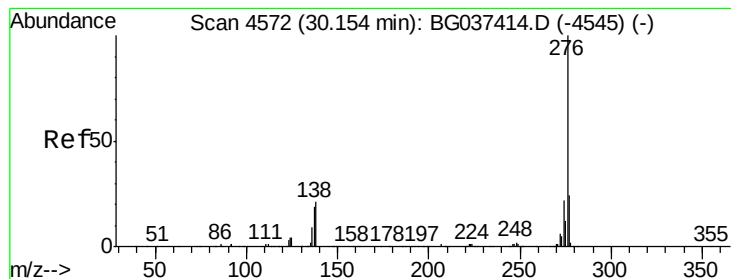
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 1.675 ng

RT: 30.12 min Scan# 4566

Delta R.T. -0.04 min

Lab File: BG037454.D

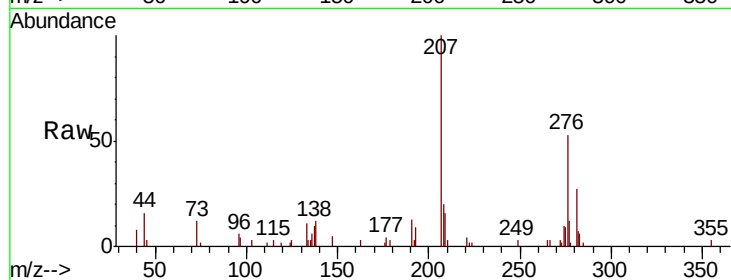
Acq: 19 Oct 2018 15:18

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018



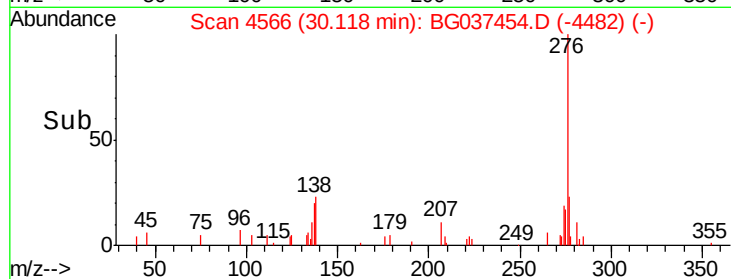
Tgt Ion: 276 Resp: 28305

Ion Ratio Lower Upper

276 100

277 22.4 18.9 28.3

138 22.2 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

