

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037455.D
 Acq On : 19 Oct 2018 15:57
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 5PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 19 23:30:47 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	51820	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	240998	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	162075	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	390386	20.00	ng	0.00
76) Chrysene-d12	21.77	240	355493	20.00	ng	0.00
87) Perylene-d12	25.11	264	357626	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	439632	141.84	ng	0.00
7) Phenol-d6	7.25	99	644306	137.47	ng	0.00
23) Nitrobenzene-d5	9.28	82	362106	84.17	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	238874	135.13	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	869024	80.85	ng	0.00
79) Terphenyl-d14	20.09	244	1302144	78.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	7310	4.651	ng	# 92
3) Pyridine	3.95	79	19790	4.995	ng	# 82
4) n-Nitrosodimethylamine	3.86	42	8219	5.824	ng	# 88
6) Aniline	7.43	93	19232	3.364	ng	94
8) 2-Chlorophenol	7.67	128	18319	5.052	ng	93
9) Benzaldehyde	7.25	77	14170	4.833	ng	95
10) Phenol	7.28	94	25747	5.206	ng	92
11) bis(2-Chloroethyl)ether	7.52	93	18212	4.849	ng	96
12) 1,3-Dichlorobenzene	7.99	146	20801	5.153	ng	96
13) 1,4-Dichlorobenzene	8.14	146	20716	5.017	ng	99
14) 1,2-Dichlorobenzene	8.46	146	20138	5.070	ng	93
15) Benzyl Alcohol	8.34	79	16417	4.740	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.62	45	34944	5.200	ng	97
17) 2-Methylphenol	8.54	107	16384	5.011	ng	# 94
18) Hexachloroethane	9.19	117	7080	5.029	ng	95
19) n-Nitroso-di-n-propylamine	8.91	70	14551	4.508	ng	# 94
20) 3+4-Methylphenols	8.86	107	22287	4.768	ng	97
22) Acetophenone	8.93	105	30331	5.018	ng	# 94
24) Nitrobenzene	9.33	77	23497	5.258	ng	# 93
25) Isophorone	9.85	82	41685	5.303	ng	95
26) 2-Nitrophenol	10.04	139	9161	4.550	ng	89
27) 2,4-Dimethylphenol	10.07	122	19306	5.371	ng	95
28) bis(2-Chloroethoxy)methane	10.33	93	27588	5.357	ng	# 94
29) 2,4-Dichlorophenol	10.56	162	18013	4.500	ng	98
30) 1,2,4-Trichlorobenzene	10.79	180	21811	5.011	ng	99
31) Naphthalene	10.98	128	66136	5.587	ng	99
32) Benzoic acid	10.12	122	4125	1.767	ng	# 83
33) 4-Chloroaniline	11.09	127	18430	3.314	ng	98
34) Hexachlorobutadiene	11.24	225	12382	4.800	ng	89
35) Caprolactam	11.85	113	5939	3.700	ng	# 84
36) 4-Chloro-3-methylphenol	12.18	107	20687	4.583	ng	97
37) 2-Methylnaphthalene	12.58	142	49386	5.723	ng	96
38) 1-Methylnaphthalene	12.79	142	46871	5.593	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	25081	4.798	ng	98

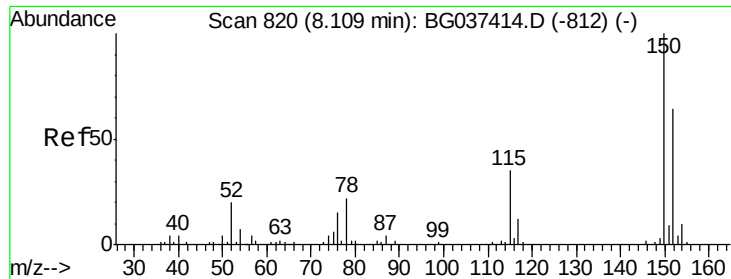
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037455.D
 Acq On : 19 Oct 2018 15:57
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 5PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 19 23:30:47 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)
41) Hexachlorocyclopentadiene	12.91	237	12497	5.004	ng	97
43) 2,4,6-Trichlorophenol	13.17	196	14749	4.223	ng	98
44) 2,4,5-Trichlorophenol	13.24	196	17721	4.660	ng	96
46) 1,1'-Biphenyl	13.58	154	64836	4.830	ng	97
47) 2-Chloronaphthalene	13.62	162	50607	4.984	ng	98
48) 2-Nitroaniline	13.83	65	13472	4.375	ng	94
49) Acenaphthylene	14.46	152	83435	5.462	ng	99
50) Dimethylphthalate	14.19	163	66294	5.287	ng	98
51) 2,6-Dinitrotoluene	14.32	165	12388	4.466	ng	94
52) Acenaphthene	14.80	154	48578	5.164	ng	95
53) 3-Nitroaniline	14.65	138	11494	3.733	ng	# 97
54) 2,4-Dinitrophenol	14.85	184	606	7.064	ng	# 58
55) Dibenzofuran	15.14	168	83147	5.334	ng	96
56) 4-Nitrophenol	14.93	139	6584	2.889	ng	92
57) 2,4-Dinitrotoluene	15.10	165	15913	4.370	ng	97
58) Fluorene	15.79	166	65878	5.644	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.35	232	14782	4.540	ng	98
60) Diethylphthalate	15.54	149	67472	5.242	ng	97
61) 4-Chlorophenyl-phenylether	15.77	204	34668	5.096	ng	98
62) 4-Nitroaniline	15.81	138	13113	4.286	ng	89
63) Azobenzene	16.07	77	64808	5.277	ng	95
65) 4,6-Dinitro-2-methylphenol	15.85	198	3125	9.763	ng	95
66) n-Nitrosodiphenylamine	15.99	169	58249	4.960	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	19404	4.526	ng	92
68) Hexachlorobenzene	16.78	284	21227	4.777	ng	99
69) Atrazine	16.93	200	20078	4.729	ng	97
70) Pentachlorophenol	17.12	266	6279	2.110	ng	94
71) Phenanthrene	17.52	178	113496	5.720	ng	96
72) Anthracene	17.62	178	109918	5.645	ng	98
73) Carbazole	17.89	167	95289	4.892	ng	98
74) Di-n-butylphthalate	18.43	149	105443	4.867	ng	# 96
75) Fluoranthene	19.53	202	125788	5.590	ng	97
77) Benzidine	19.72	184	12899	1.067	ng	98
78) Pyrene	19.89	202	127723	5.496	ng	96
80) Butylbenzylphthalate	20.77	149	41113	4.323	ng	92
81) Benzo(a)anthracene	21.75	228	117106	5.569	ng	98
82) 3,3'-Dichlorobenzidine	21.67	252	24693	3.030	ng	# 93
83) Chrysene	21.82	228	110802	5.480	ng	98
84) Bis(2-ethylhexyl)phthalate	21.63	149	59310	4.449	ng	96
85) Di-n-octyl phthalate	22.88	149	93591	4.305	ng	99
86) Indeno(1,2,3-cd)pyrene	28.93	276	91430	4.216	ng	# 76
88) Benzo(b)fluoranthene	24.03	252	103994	5.304	ng	99
89) Benzo(k)fluoranthene	24.03	252	103994	5.414	ng	99
90) Benzo(a)pyrene	24.95	252	96092	5.158	ng	97
91) Dibenzo(a,h)anthracene	28.99	278	70020	4.074	ng	95
92) Benzo(g,h,i)perylene	30.13	276	78808	4.533	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: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

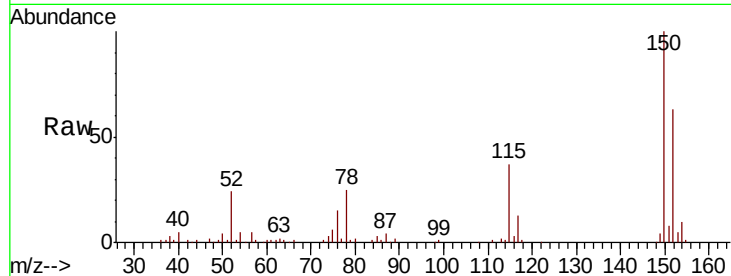
Tgt Ion:152 Resp: 51820

Ion Ratio Lower Upper

152 100

150 159.5 126.0 189.0

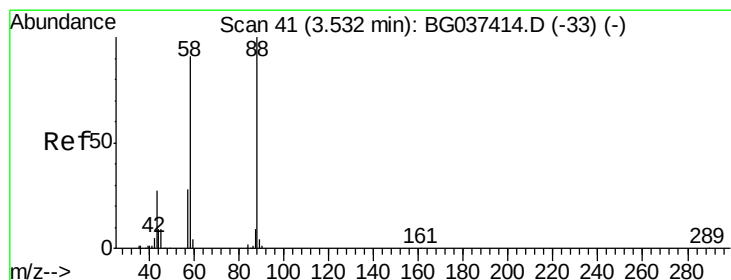
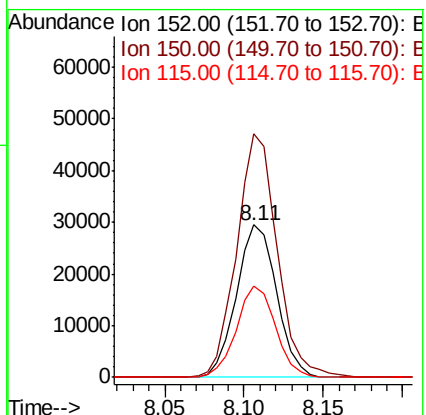
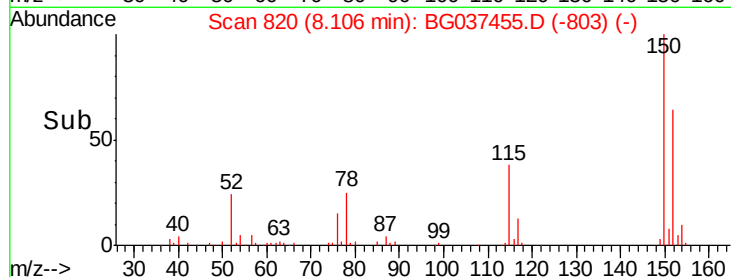
115 59.6 45.5 68.3



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: 4.651 ng

RT: 3.54 min Scan# 42

Delta R.T. 0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

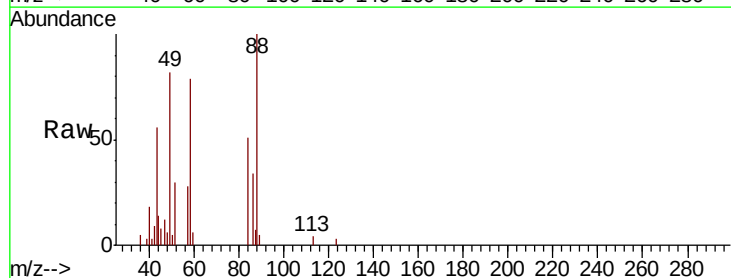
Tgt Ion: 88 Resp: 7310

Ion Ratio Lower Upper

88 100

58 94.2 74.4 111.6

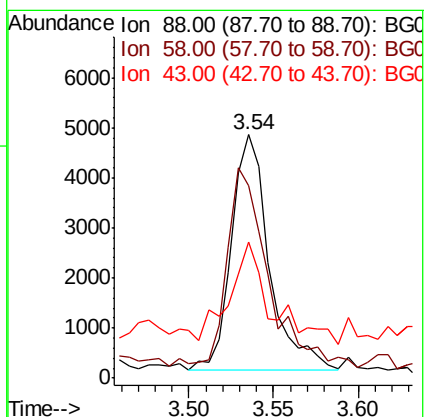
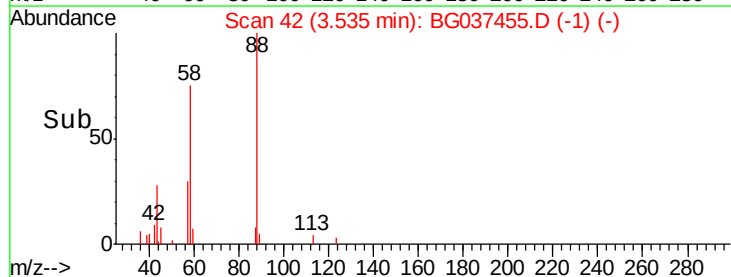
43 47.5 25.8 38.8#

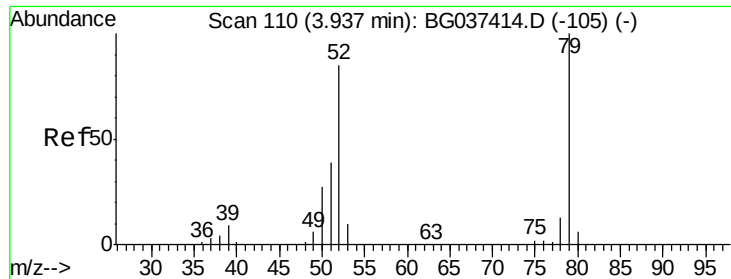


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 4.995 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

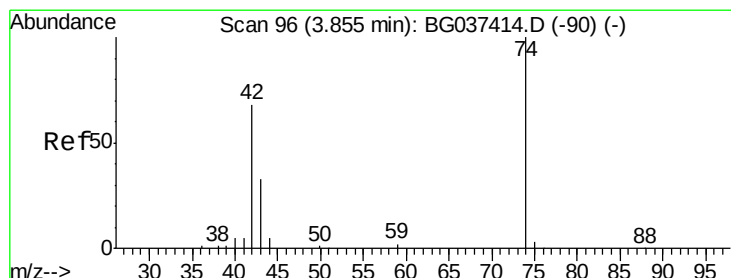
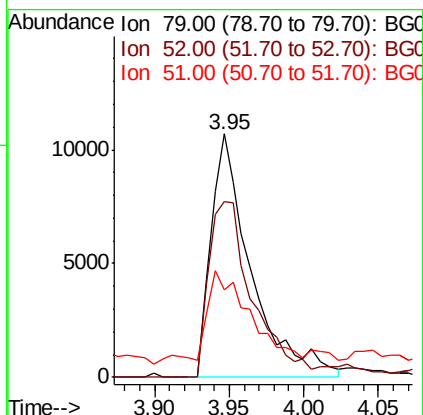
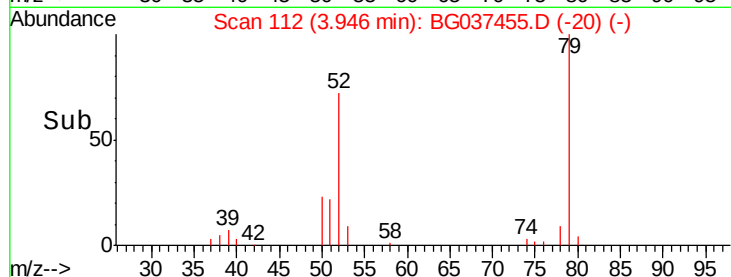
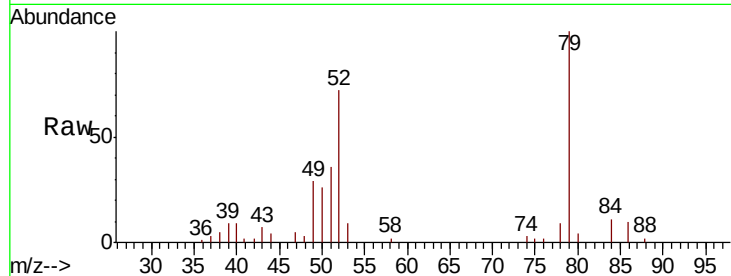
Tgt Ion: 79 Resp: 19790

Ion Ratio Lower Upper

79 100

52 72.4 74.2 111.2#

51 35.9 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 5.824 ng

RT: 3.86 min Scan# 97

Delta R.T. 0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

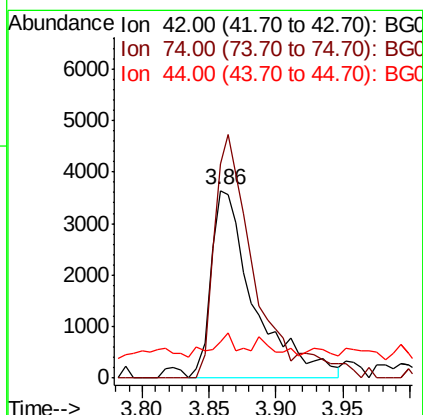
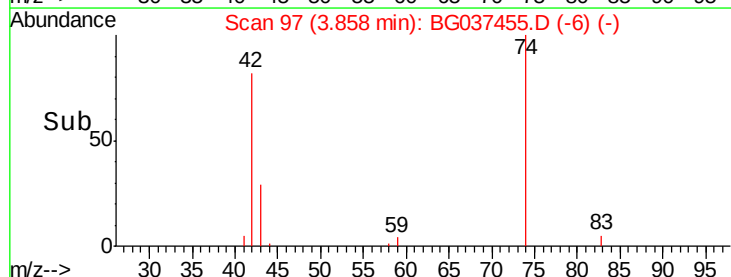
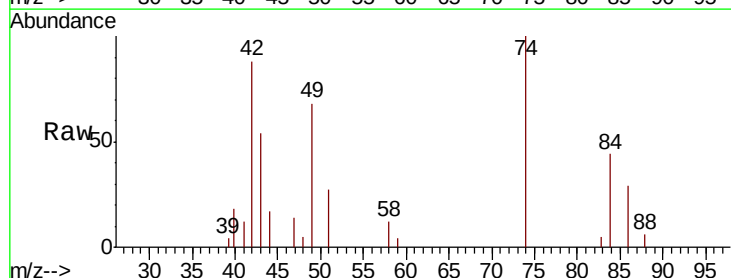
Tgt Ion: 42 Resp: 8219

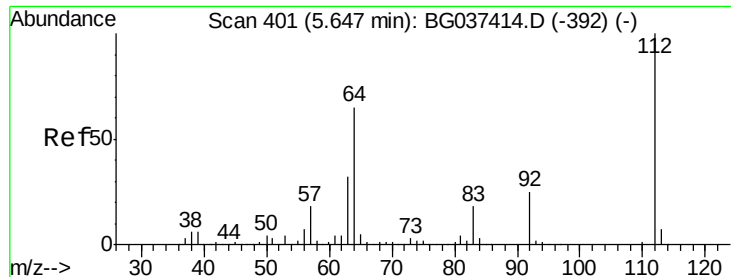
Ion Ratio Lower Upper

42 100

74 114.1 102.0 153.0

44 19.3 9.6 14.4#





#5

2-Fluorophenol

Concen: 141.837 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

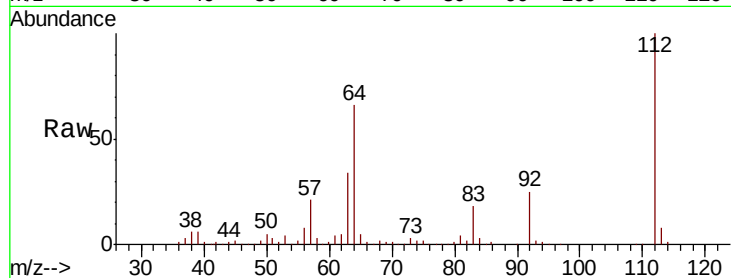
Tgt Ion: 112 Resp: 439632

Ion Ratio Lower Upper

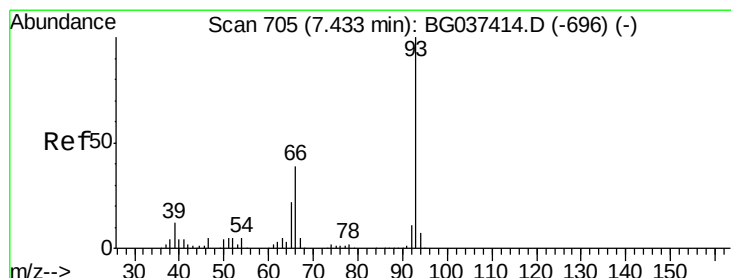
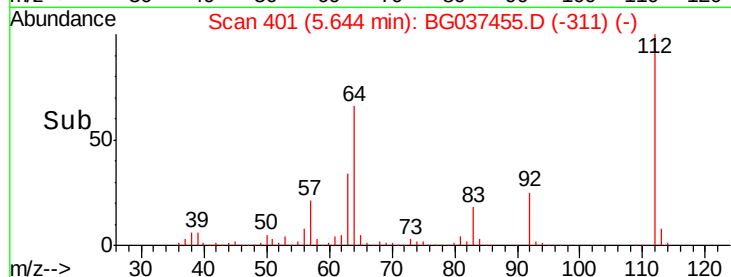
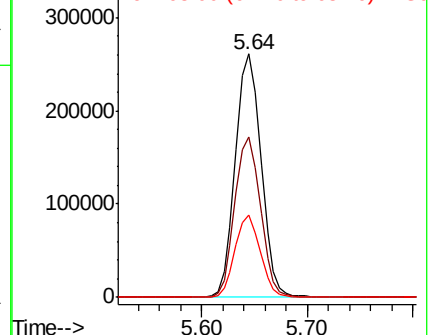
112 100

64 65.8 53.1 79.7

63 33.7 27.3 40.9



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



#6

Aniline

Concen: 3.364 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

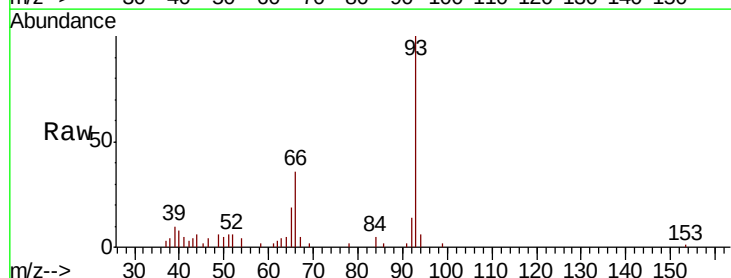
Tgt Ion: 93 Resp: 19232

Ion Ratio Lower Upper

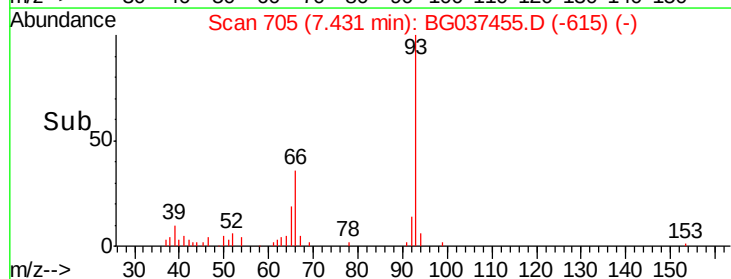
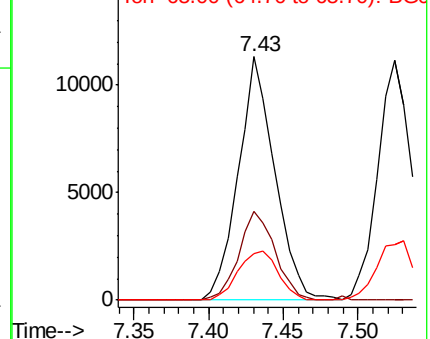
93 100

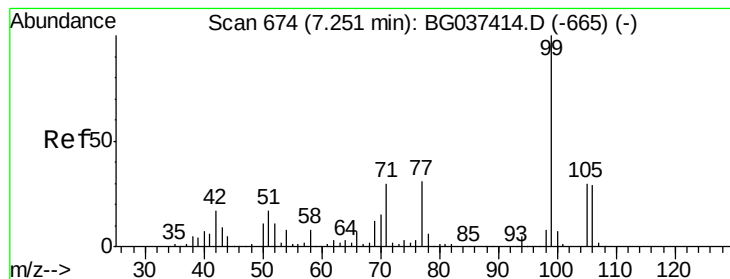
66 36.2 32.8 49.2

65 19.0 16.4 24.6



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 137.469 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

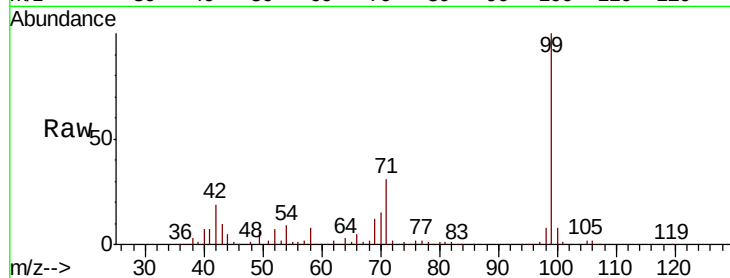
Tgt Ion: 99 Resp: 644306

Ion Ratio Lower Upper

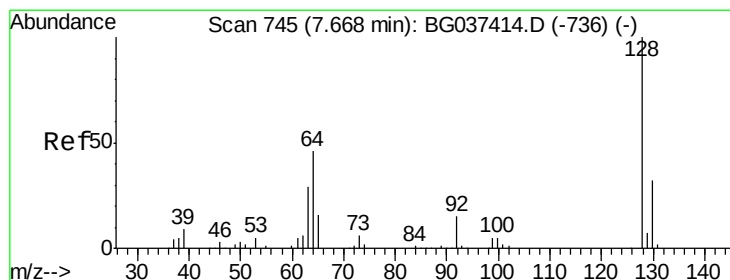
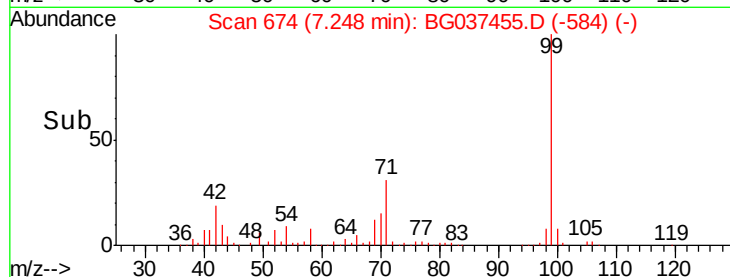
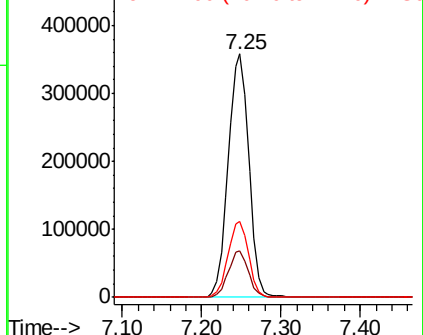
99 100

42 19.0 15.0 22.4

71 31.3 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: 5.052 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

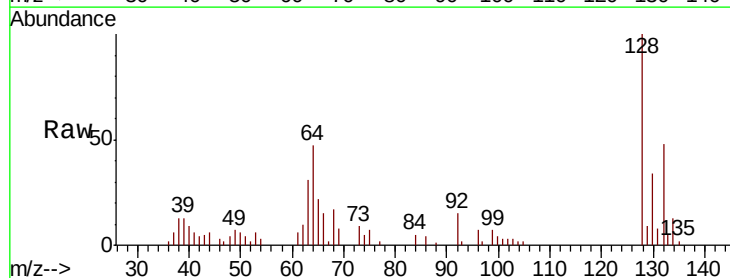
Tgt Ion: 128 Resp: 18319

Ion Ratio Lower Upper

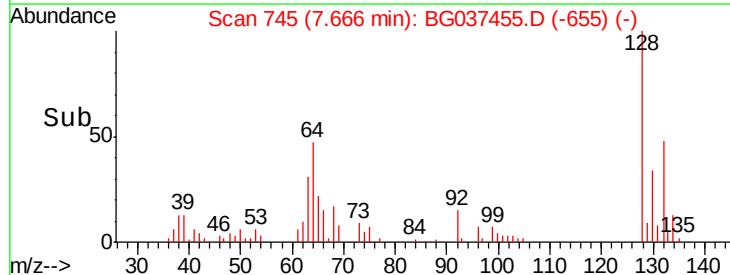
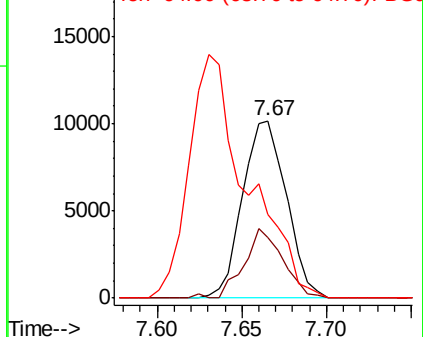
128 100

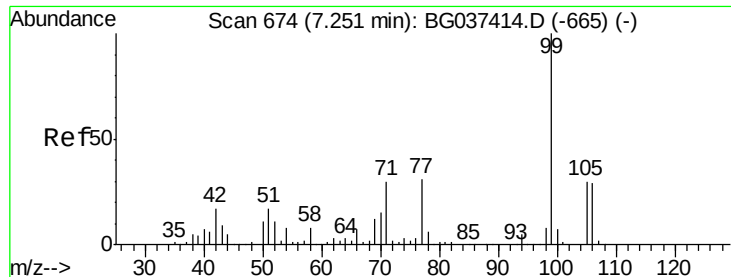
130 34.4 12.0 52.0

64 47.3 32.9 72.9



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





#9

Benzaldehyde

Concen: 4.833 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

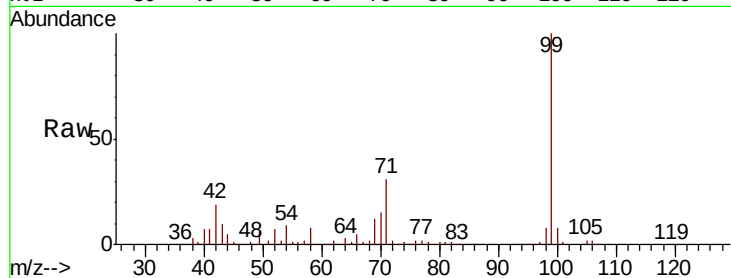
Tgt Ion: 77 Resp: 14170

Ion Ratio Lower Upper

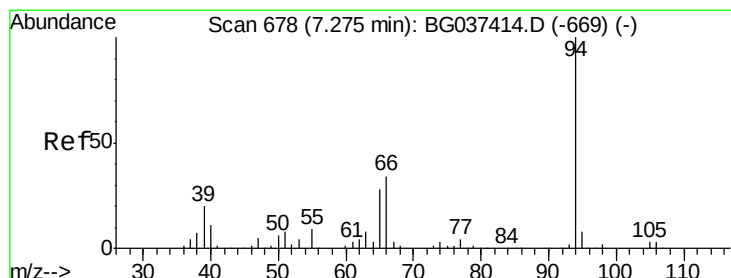
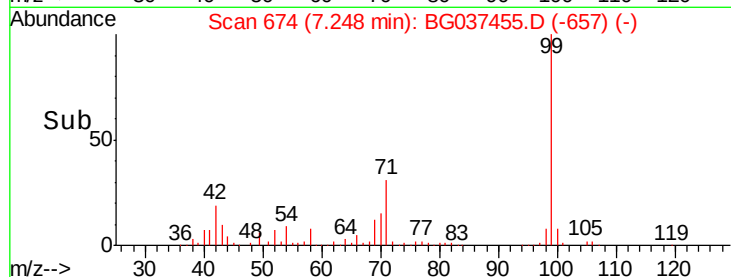
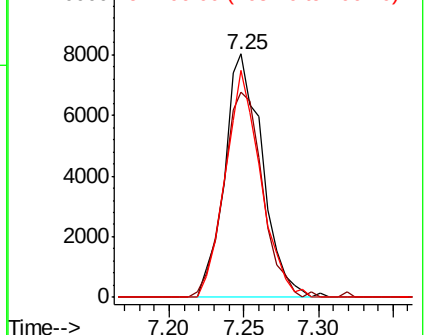
77 100

105 84.4 72.6 112.6

106 93.1 71.3 111.3



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



#10

Phenol

Concen: 5.206 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

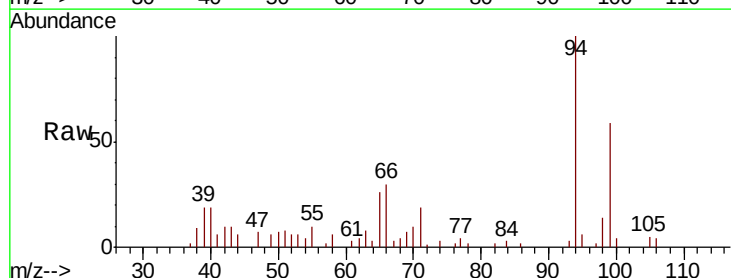
Tgt Ion: 94 Resp: 25747

Ion Ratio Lower Upper

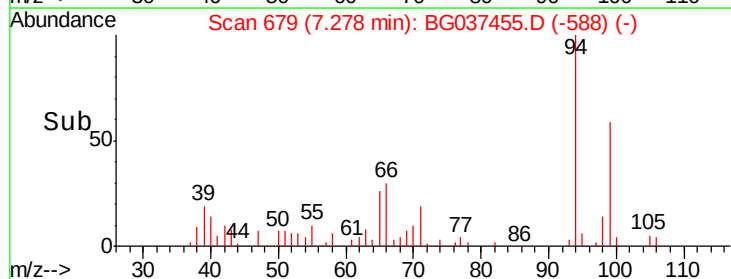
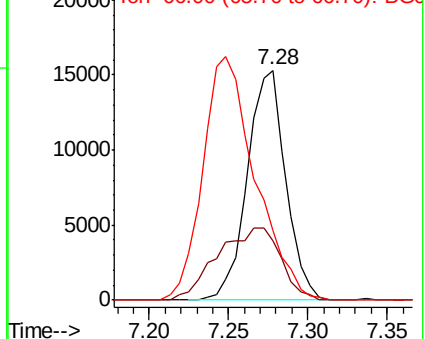
94 100

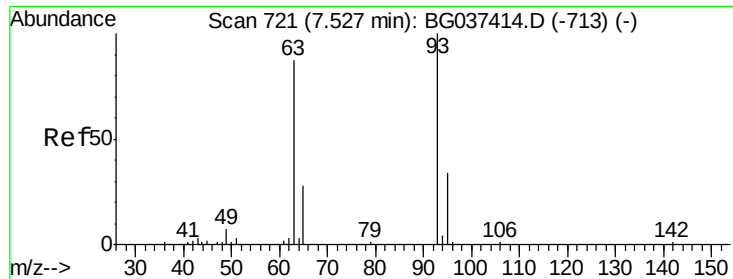
65 25.9 9.7 49.7

66 30.4 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

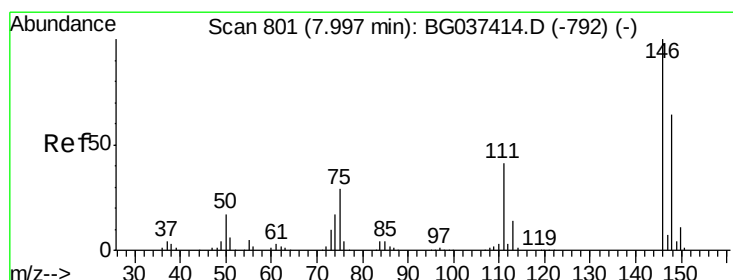
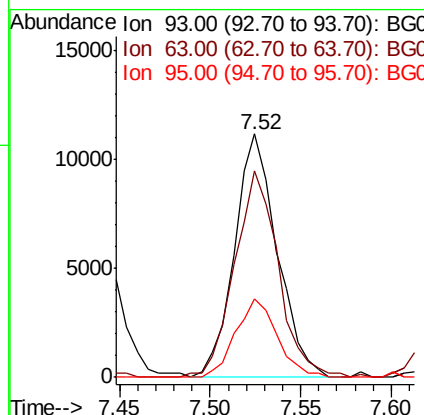
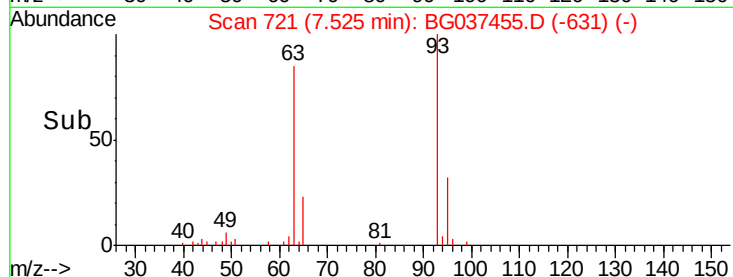
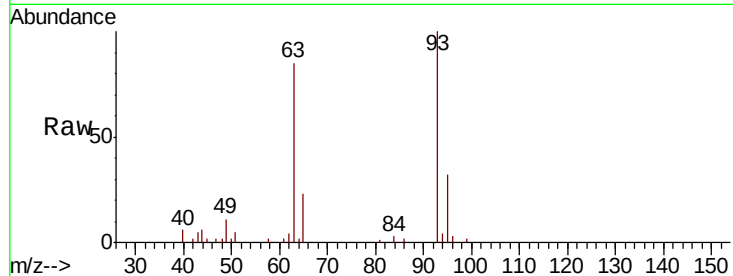




#11
 bis(2-Chloroethyl)ether
 Concen: 4.849 ng
 RT: 7.52 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

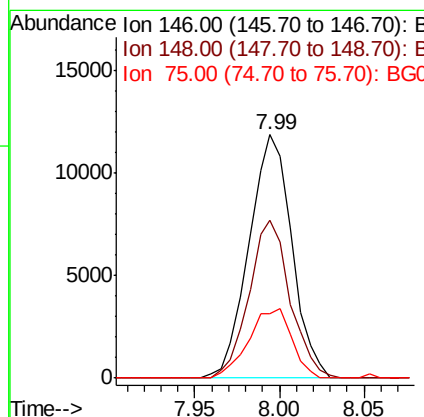
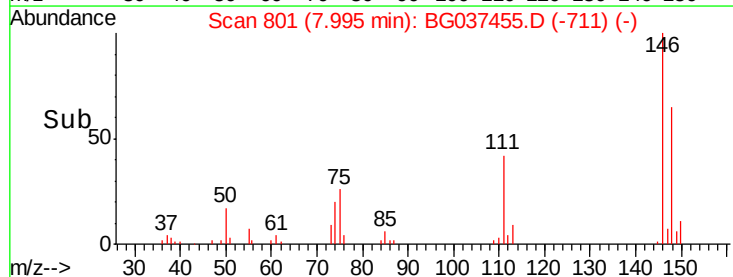
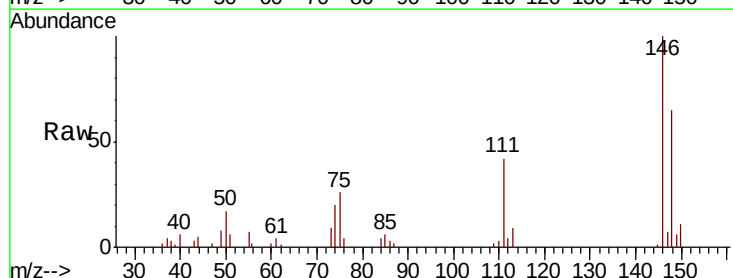
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

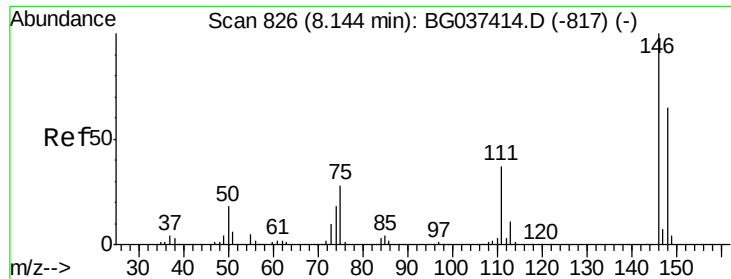
Tgt Ion: 93 Resp: 18212
 Ion Ratio Lower Upper
 93 100
 63 84.8 69.5 109.5
 95 32.3 12.6 52.6



#12
 1,3-Dichlorobenzene
 Concen: 5.153 ng
 RT: 7.99 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion: 146 Resp: 20801
 Ion Ratio Lower Upper
 146 100
 148 64.7 49.8 74.8
 75 26.2 23.2 34.8

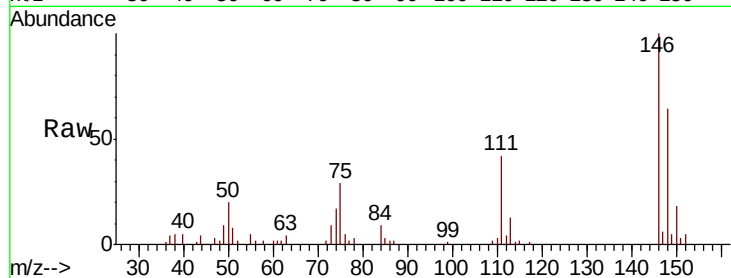




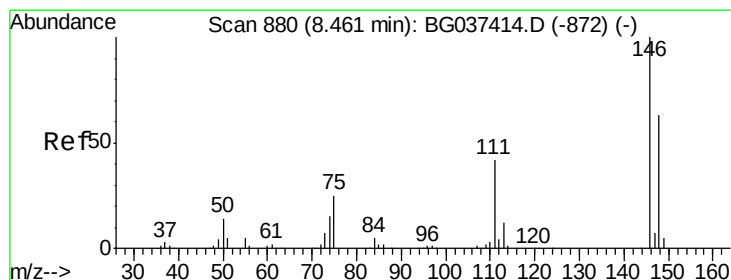
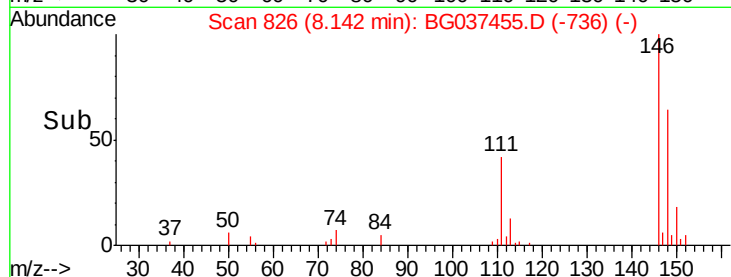
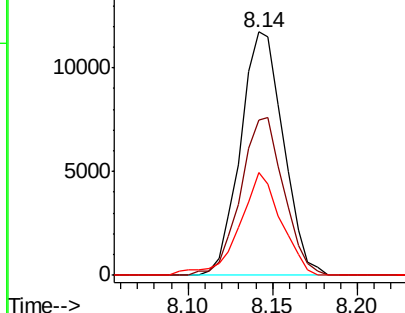
#13
 1,4-Dichlorobenzene
 Concen: 5.017 ng
 RT: 8.14 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion:146 Resp: 20716
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.0 76.6
 111 42.4 32.4 48.6

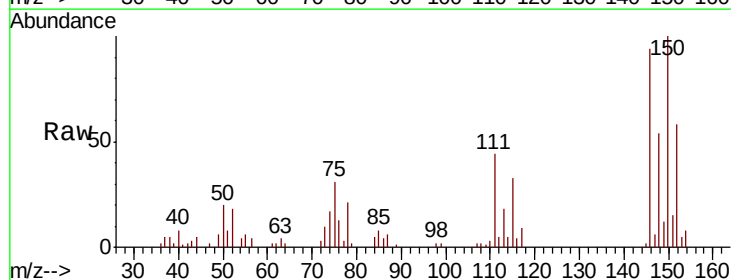


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

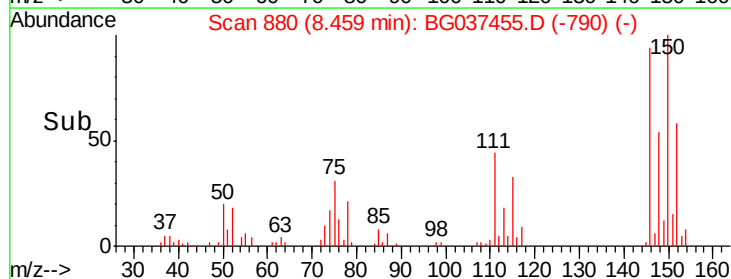
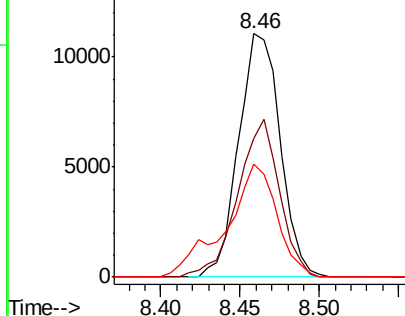


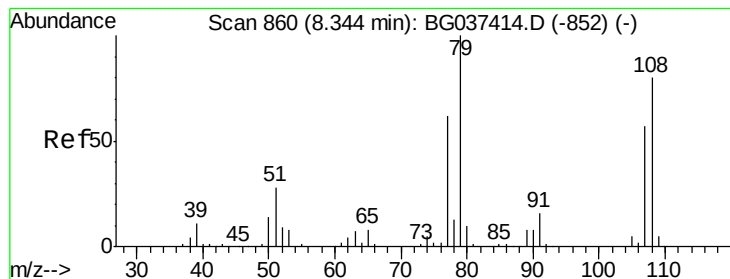
#14
 1,2-Dichlorobenzene
 Concen: 5.070 ng
 RT: 8.46 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion:146 Resp: 20138
 Ion Ratio Lower Upper
 146 100
 148 57.2 50.4 75.6
 111 46.6 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: 4.740 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

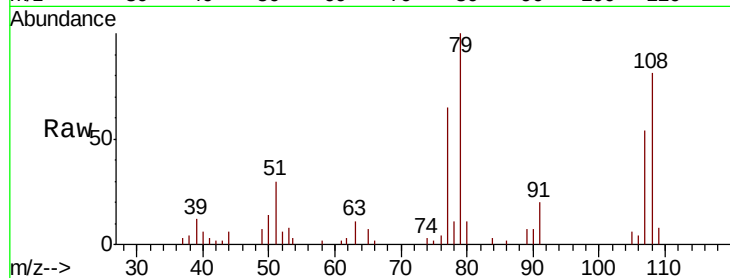
Tgt Ion: 79 Resp: 16417

Ion Ratio Lower Upper

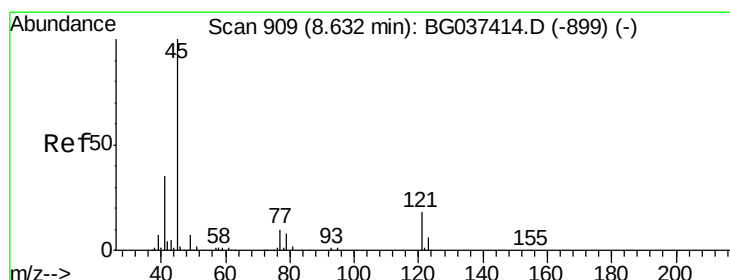
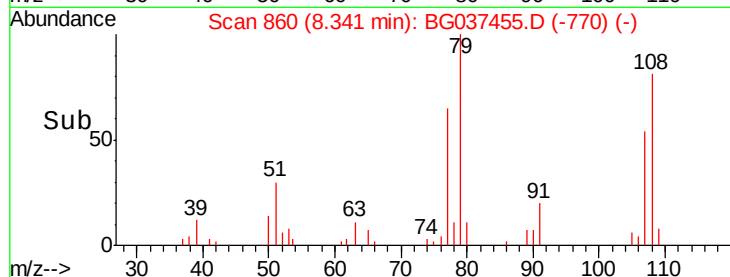
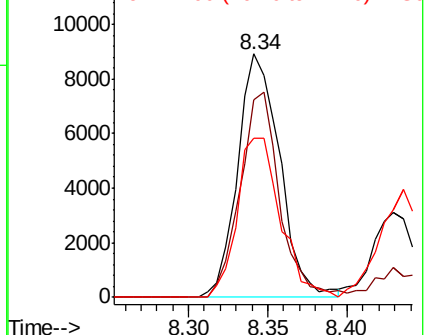
79 100

108 80.9 65.8 98.8

77 65.1 52.9 79.3



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.200 ng

RT: 8.62 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

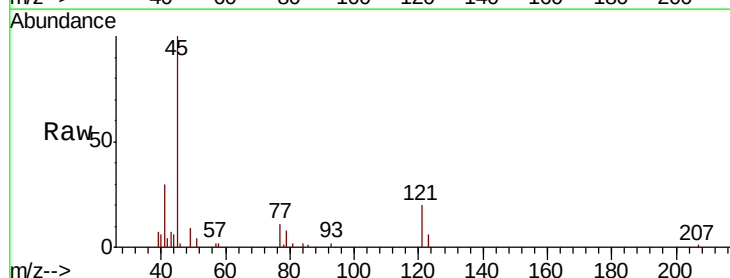
Tgt Ion: 45 Resp: 34944

Ion Ratio Lower Upper

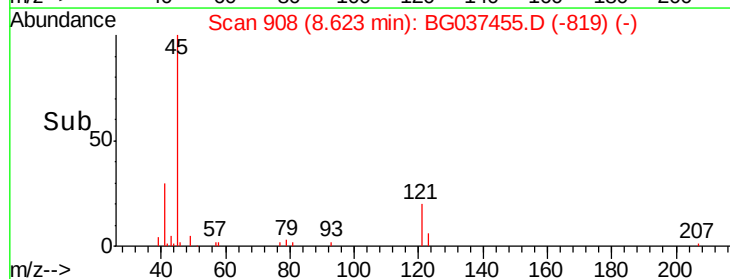
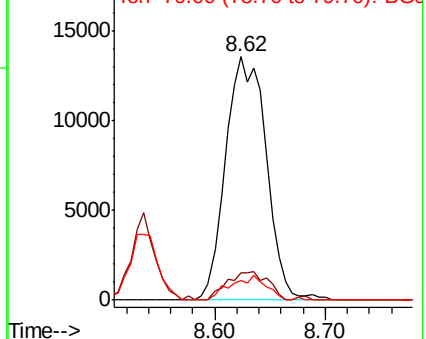
45 100

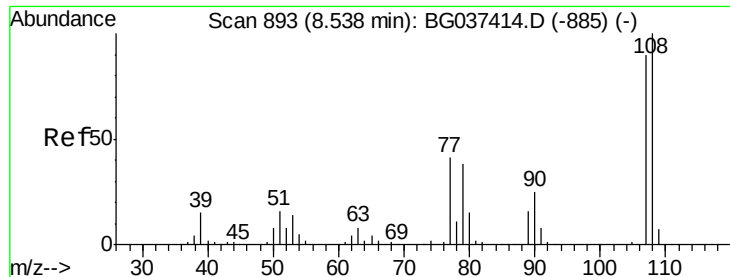
77 11.3 0.0 30.0

79 8.0 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

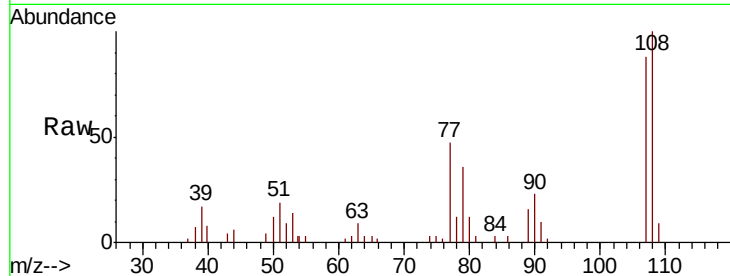




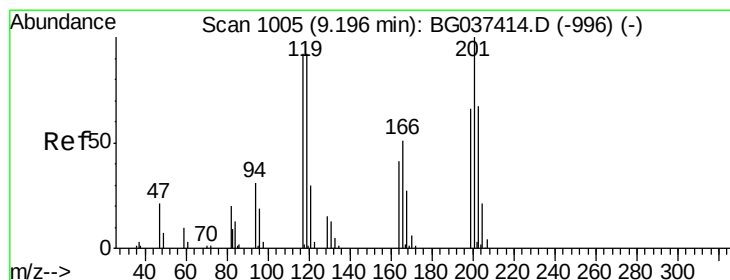
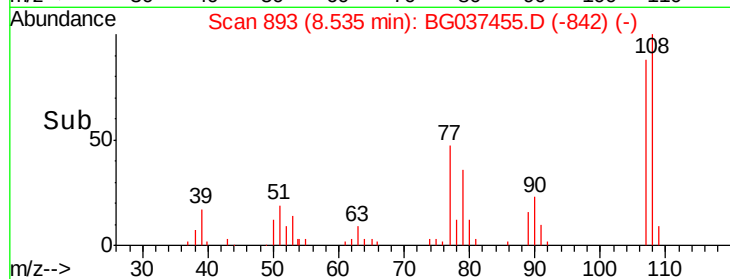
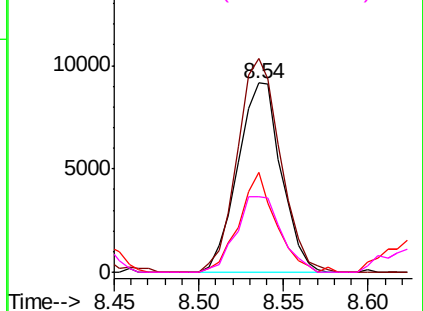
#17
2-Methylphenol
Concen: 5.011 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion:107 Resp: 16384
Ion Ratio Lower Upper
107 100
108 113.1 87.9 131.9
77 53.0 35.1 52.7#
79 40.2 34.5 51.7

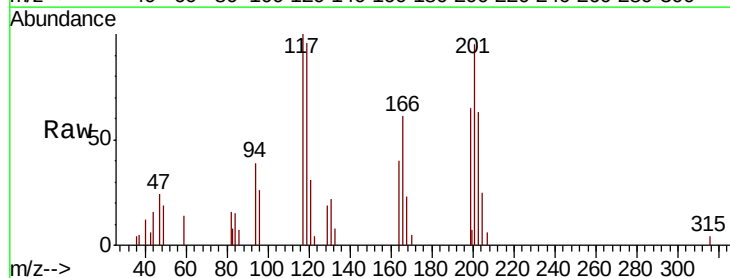


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

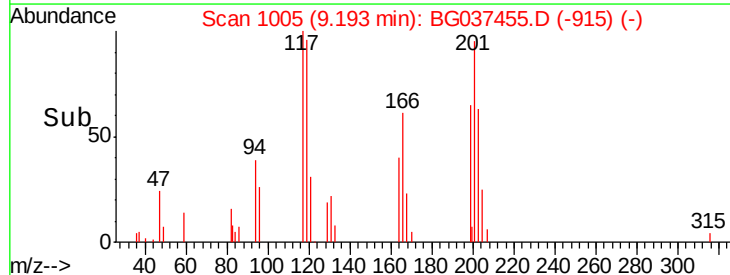
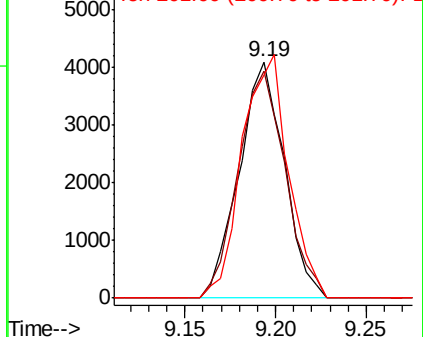


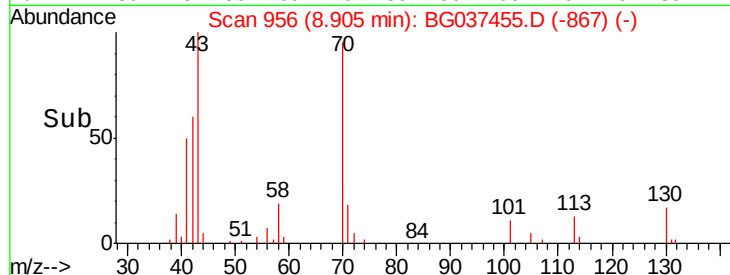
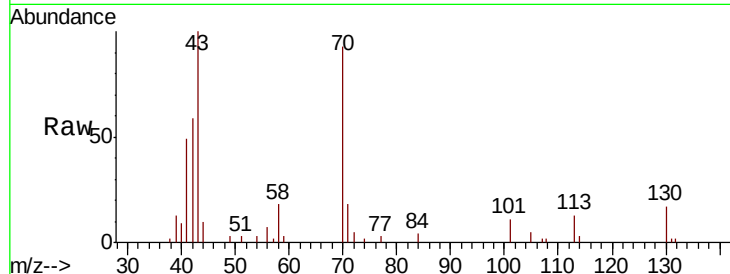
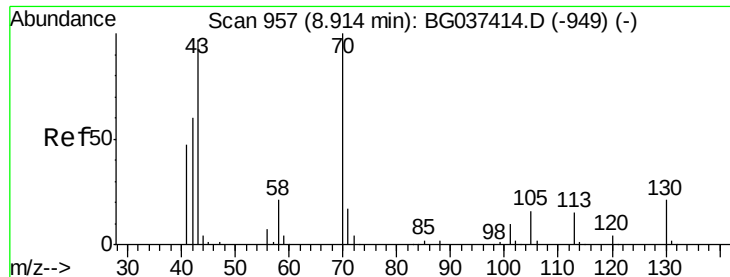
#18
Hexachloroethane
Concen: 5.029 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:117 Resp: 7080
Ion Ratio Lower Upper
117 100
119 96.0 74.6 111.8
201 94.7 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

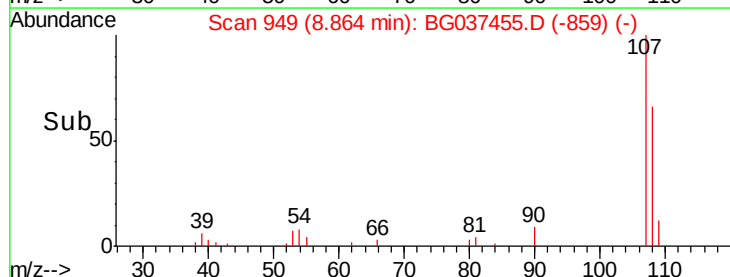
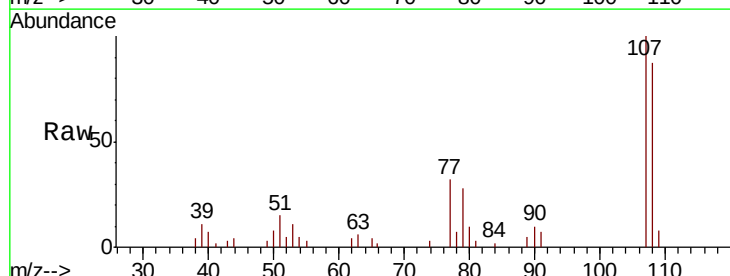
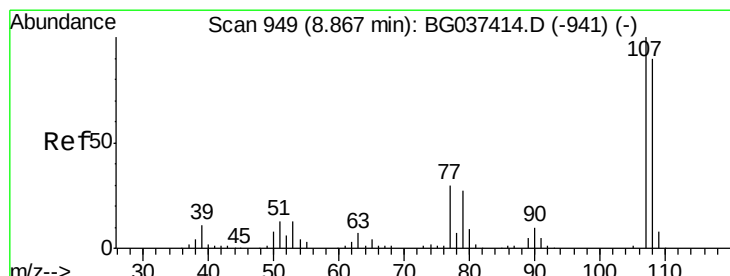
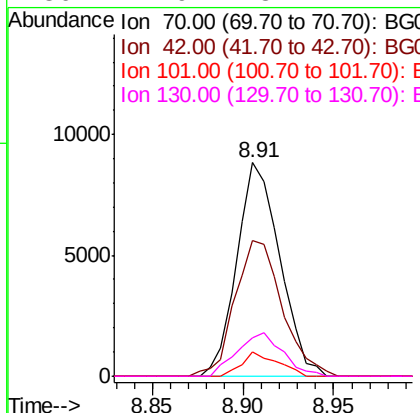




#19
n-Nitroso-di-n-propylamine
Concen: 4.508 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

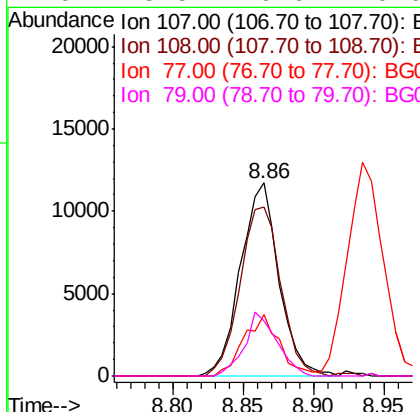
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

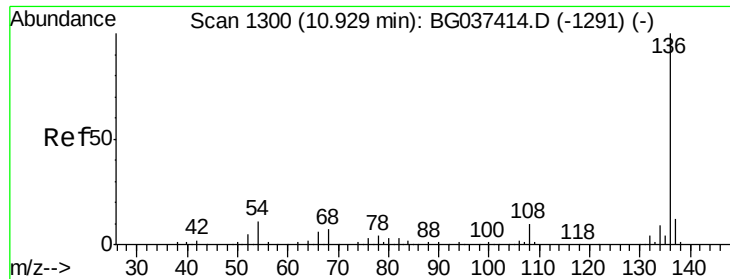
Tgt Ion: 70 Resp: 14551
Ion Ratio Lower Upper
70 100
42 63.4 53.9 80.9
101 11.6 8.2 12.2
130 17.9 18.2 27.4#



#20
3+4-Methylphenols
Concen: 4.768 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion: 107 Resp: 22287
Ion Ratio Lower Upper
107 100
108 87.3 69.9 109.9
77 32.1 11.2 51.2
79 28.5 6.6 46.6

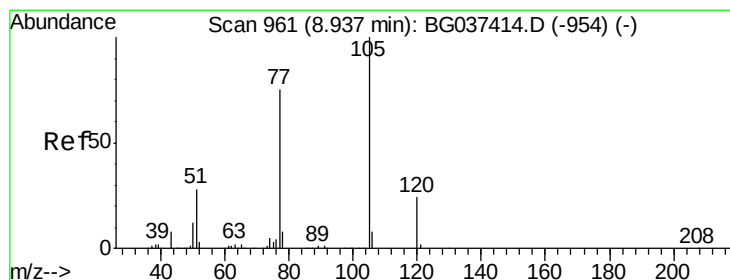
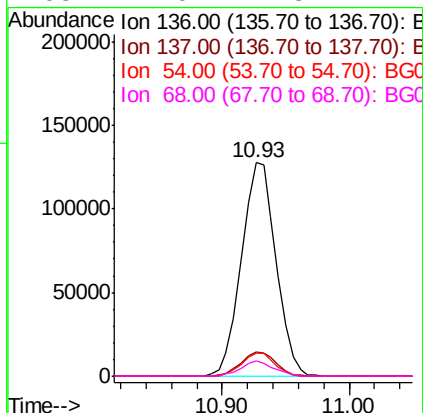
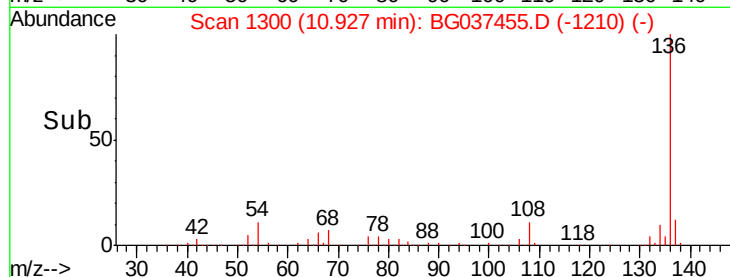
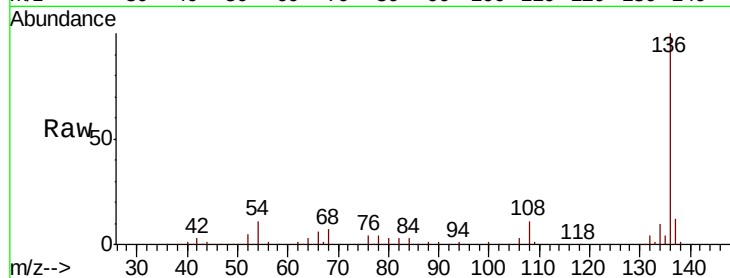




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

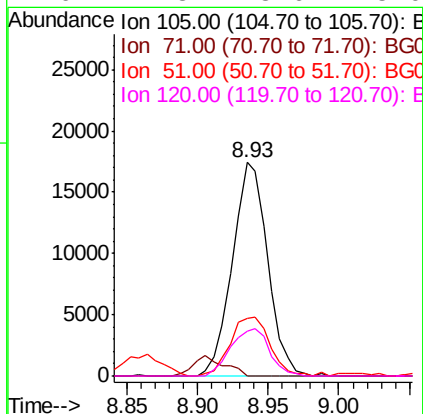
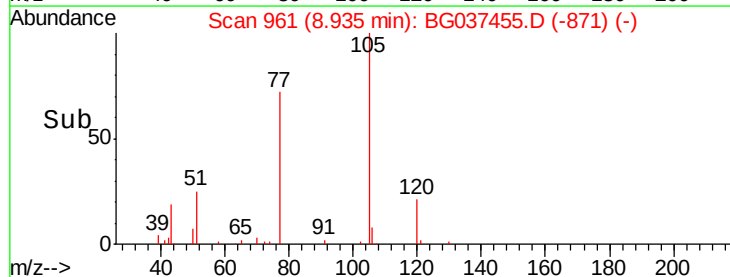
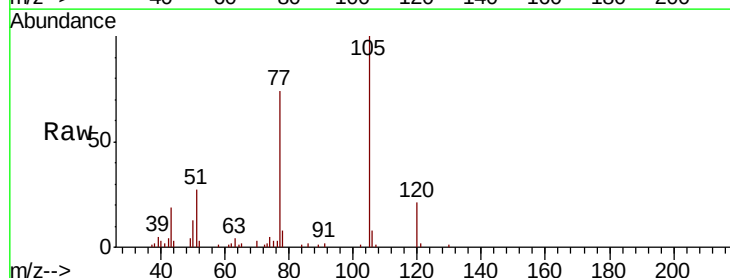
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

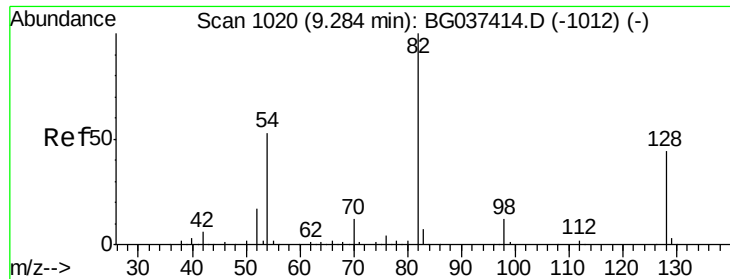
Tgt Ion:	136	Resp:	240998
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	10.6	7.9	11.9
68	7.0	4.8	7.2



#22
Acetophenone
Concen: 5.018 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:	105	Resp:	30331
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	27.3	25.0	37.6
120	21.3	18.6	28.0

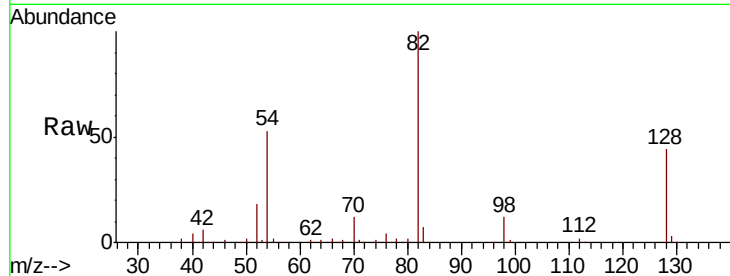




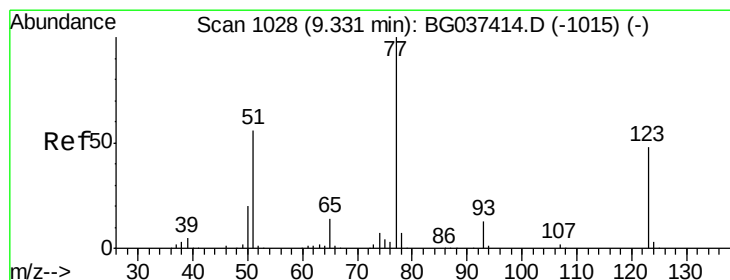
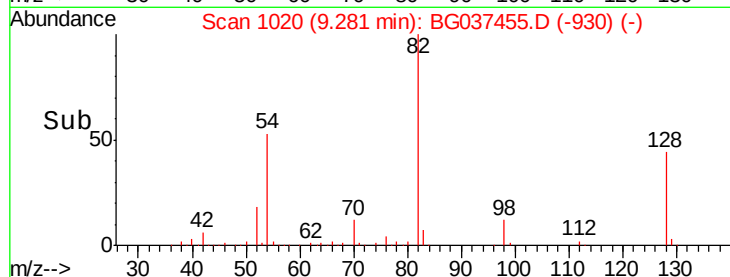
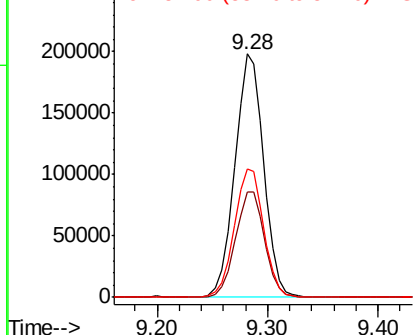
#23
Nitrobenzene-d5
Concen: 84.170 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	51.8
54	52.8	45.3	67.9

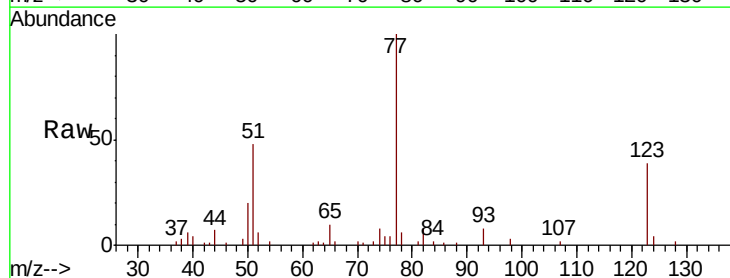


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

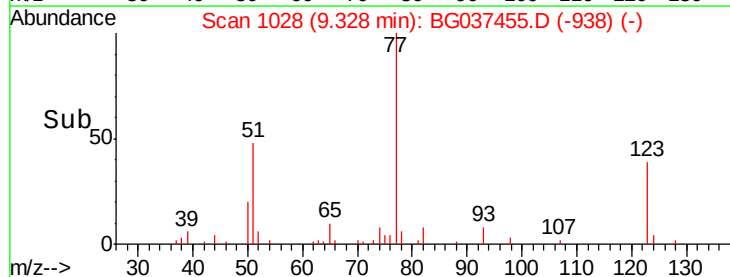
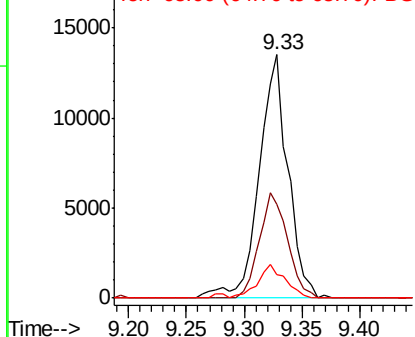


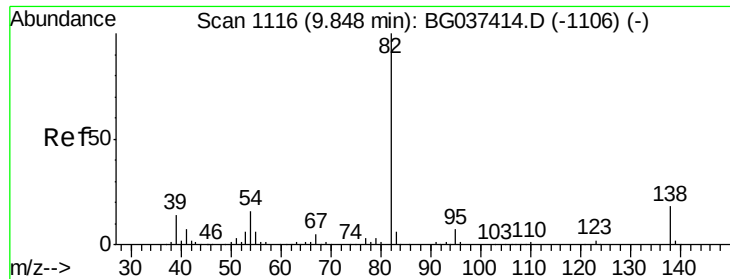
#24
Nitrobenzene
Concen: 5.258 ng
RT: 9.33 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.7	33.6	50.4
65	9.7	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

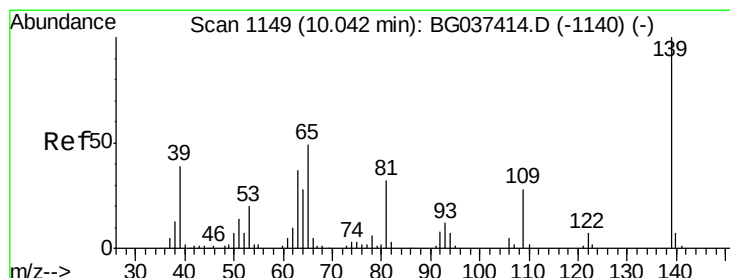
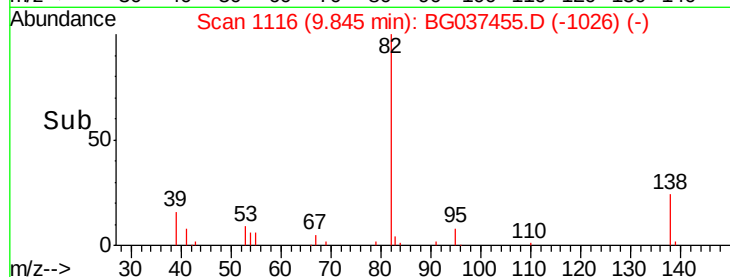
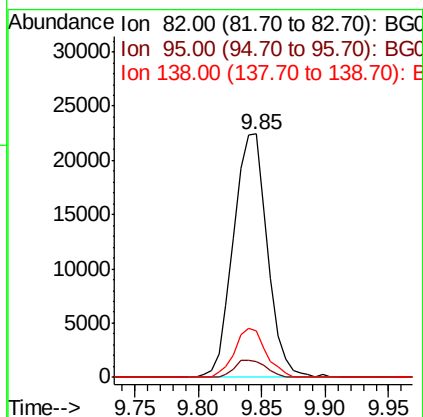
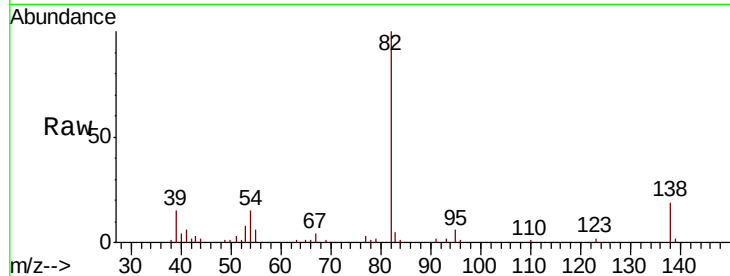




#25
Isophorone
Concen: 5.303 ng
RT: 9.85 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

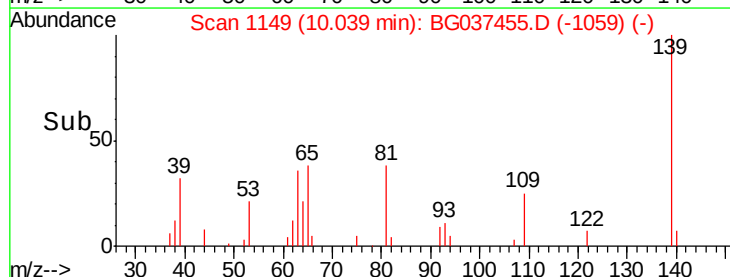
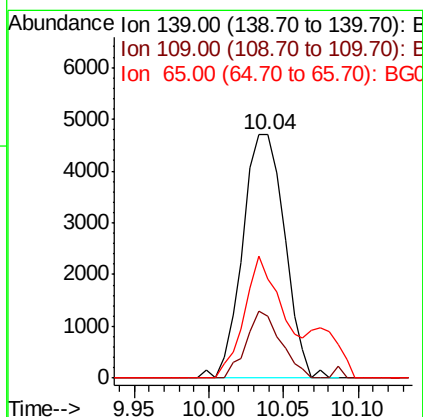
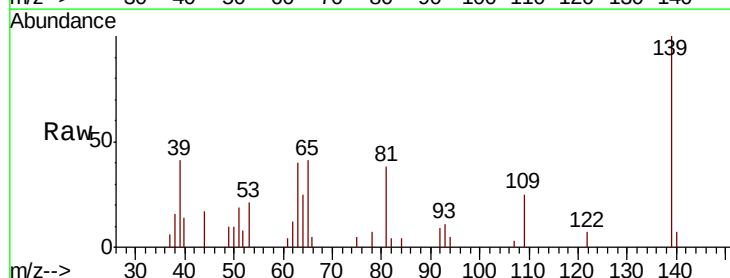
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

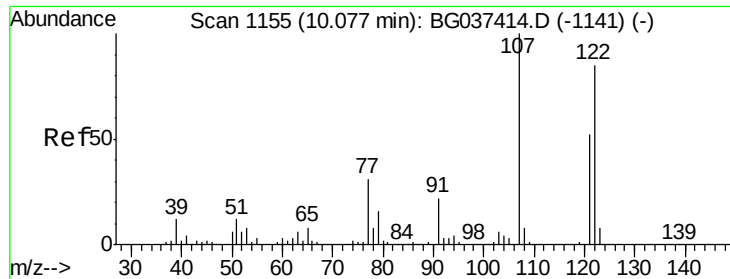
Tgt Ion: 82 Resp: 41685
Ion Ratio Lower Upper
82 100
95 6.3 5.3 7.9
138 19.2 13.3 19.9



#26
2-Nitrophenol
Concen: 4.550 ng
RT: 10.04 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion: 139 Resp: 9161
Ion Ratio Lower Upper
139 100
109 25.2 23.3 34.9
65 40.8 39.8 59.8

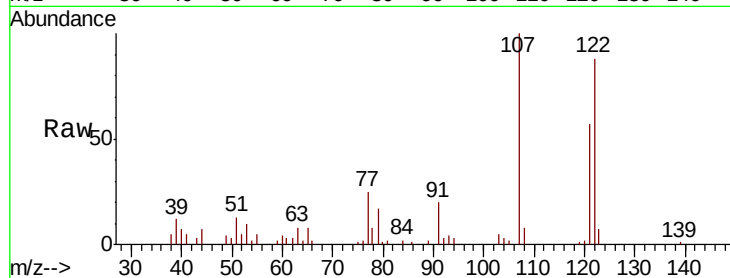




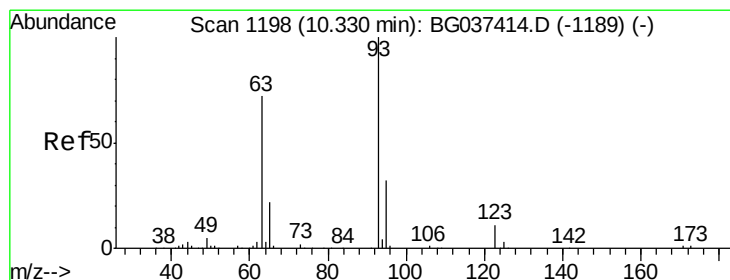
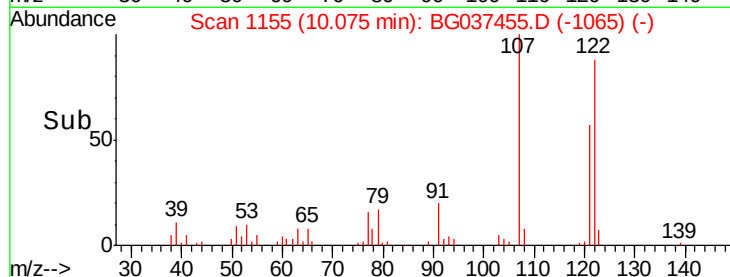
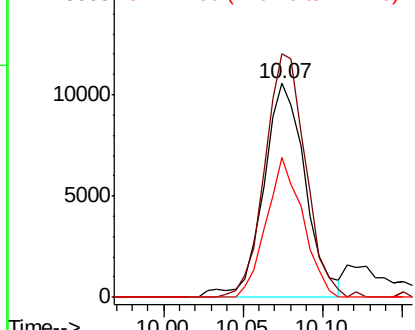
#27
2,4-Dimethylphenol
Concen: 5.371 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion: 122 Resp: 19306
Ion Ratio Lower Upper
122 100
107 113.7 94.2 141.2
121 65.2 47.3 70.9

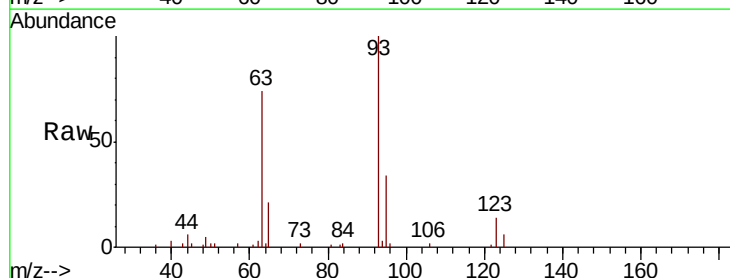


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

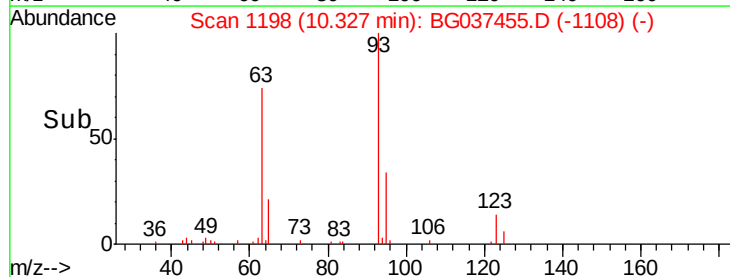
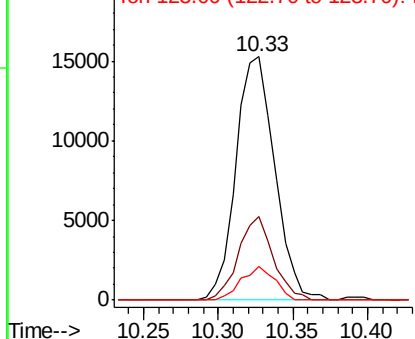


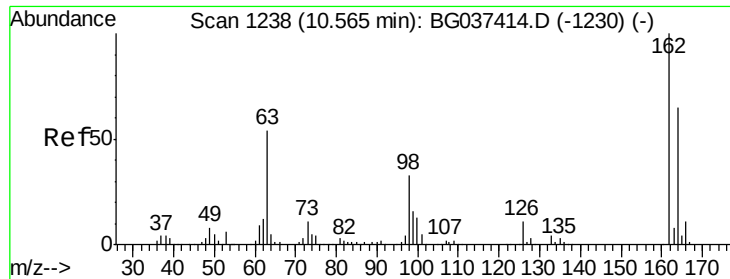
#28
bis(2-Chloroethoxy)methane
Concen: 5.357 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion: 93 Resp: 27588
Ion Ratio Lower Upper
93 100
95 34.2 24.6 37.0
123 13.8 9.1 13.7#



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

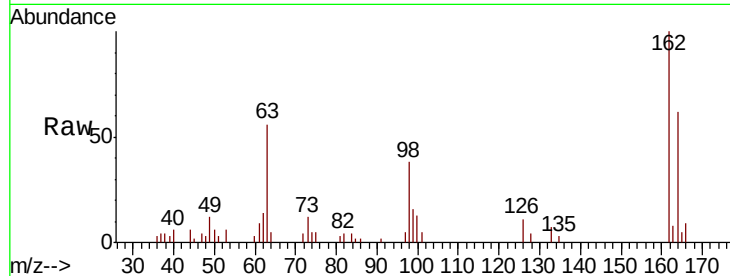




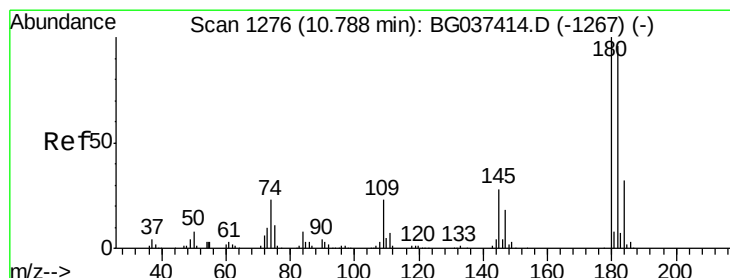
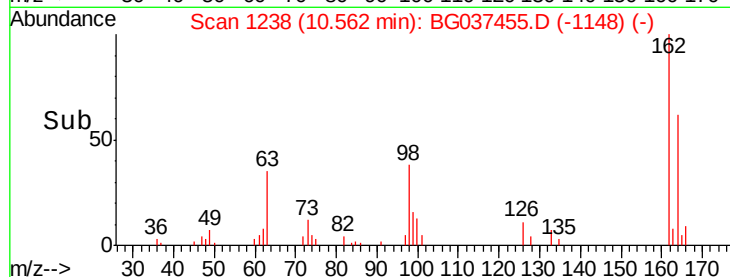
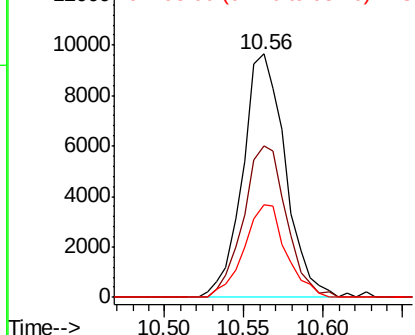
#29
 2,4-Dichlorophenol
 Concen: 4.500 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.9	43.2	83.2
98	38.0	16.0	56.0

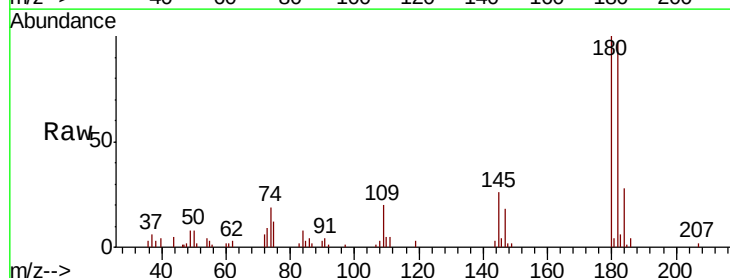


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

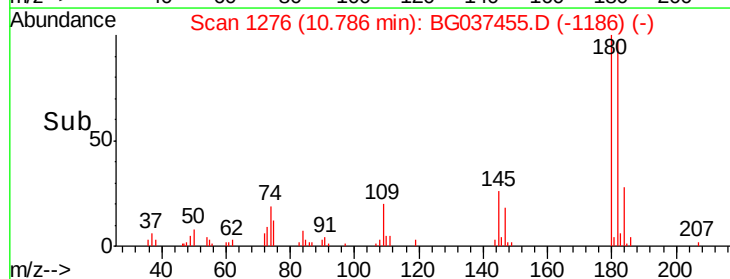
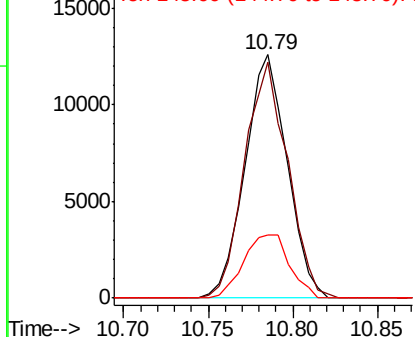


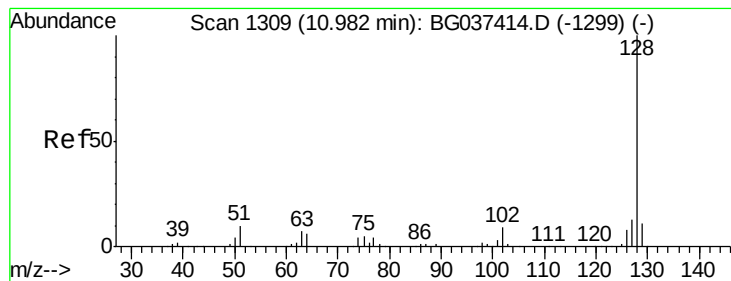
#30
 1,2,4-Trichlorobenzene
 Concen: 5.011 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.7	116.5
145	26.1	23.3	34.9



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





#31

Naphthalene

Concen: 5.587 ng

RT: 10.98 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

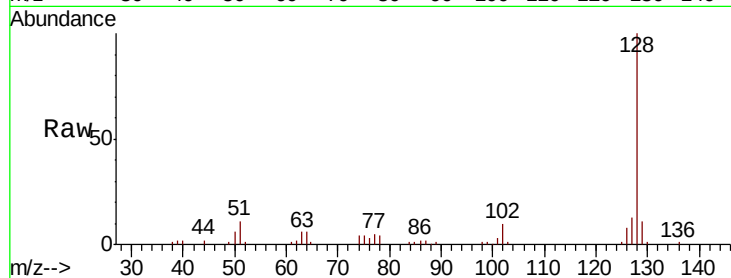
Tgt Ion:128 Resp: 66136

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

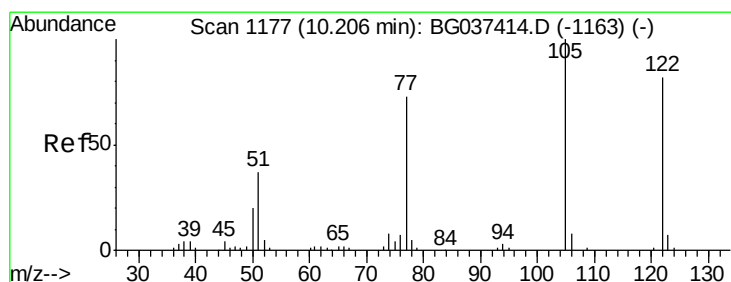
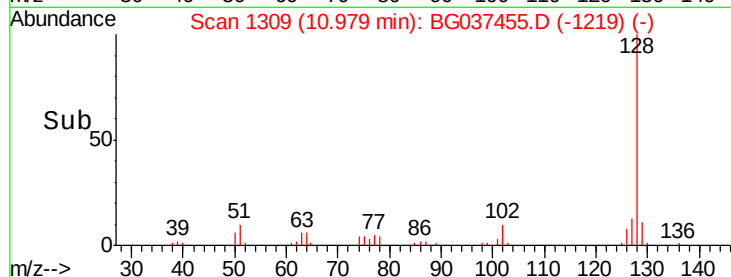
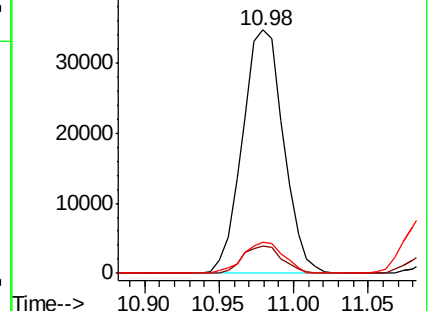
127 12.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 1.767 ng

RT: 10.12 min Scan# 1162

Delta R.T. -0.09 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

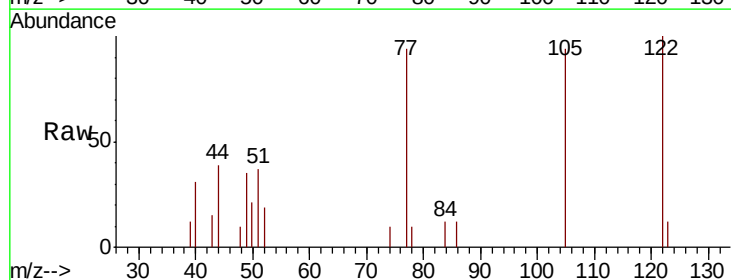
Tgt Ion:122 Resp: 4125

Ion Ratio Lower Upper

122 100

105 94.3 106.7 146.7#

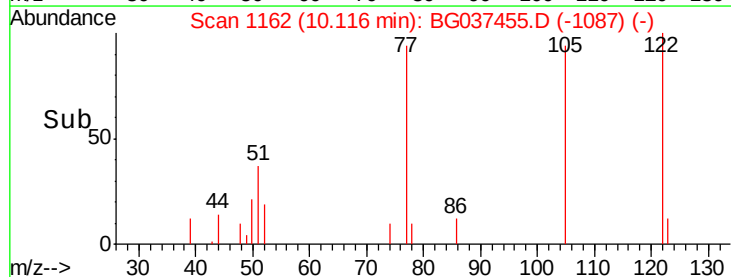
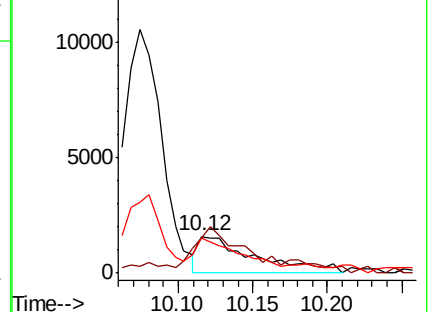
77 94.4 72.2 112.2

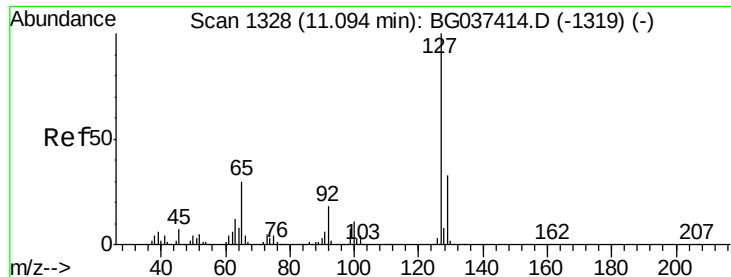


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

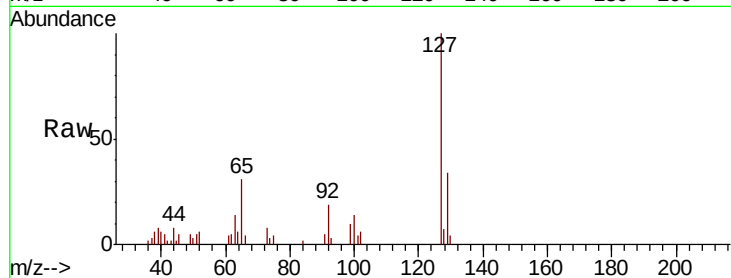




#33
4-Chloroaniline
Concen: 3.314 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion:	127	Resp:	18430
Ion	Ratio	Lower	Upper
127	100		
129	34.4	27.1	40.7
65	31.3	26.6	39.8
92	19.0	16.4	24.6



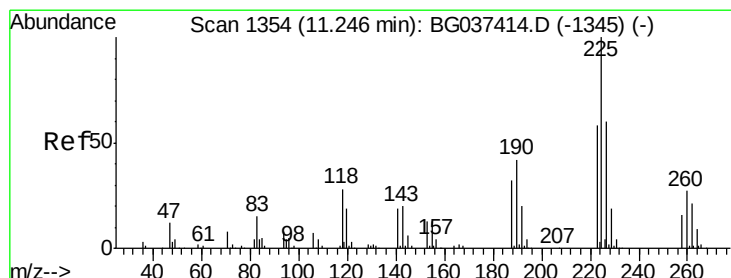
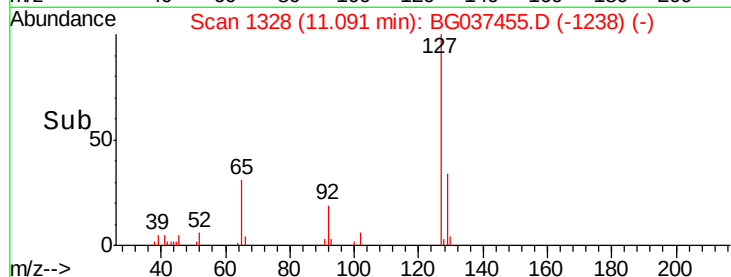
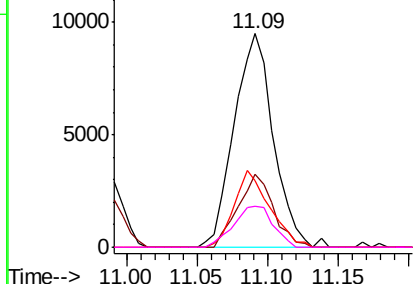
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

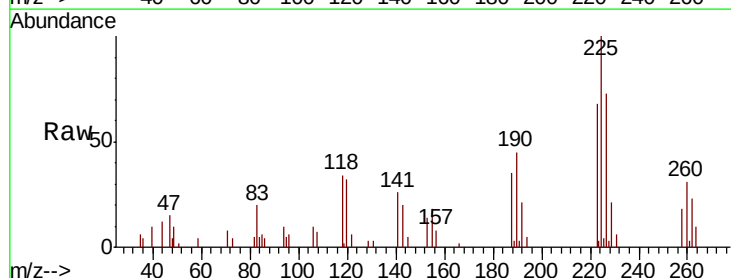
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 4.800 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:	225	Resp:	12382
Ion	Ratio	Lower	Upper
225	100		
223	68.8	48.2	72.4
227	73.0	51.6	77.4

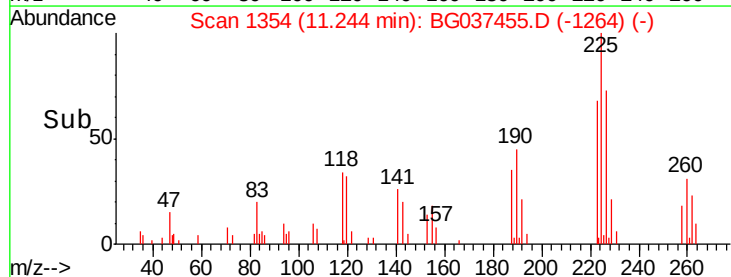
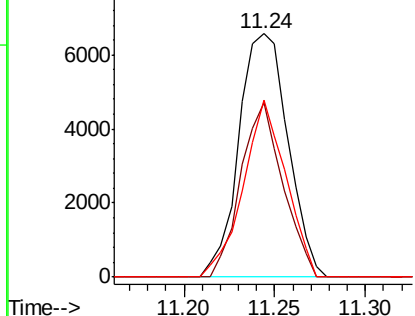


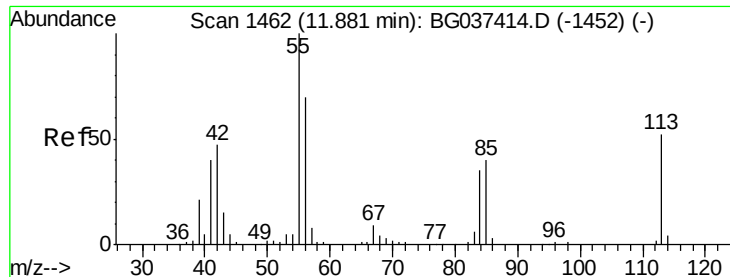
Abundance

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: 3.700 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

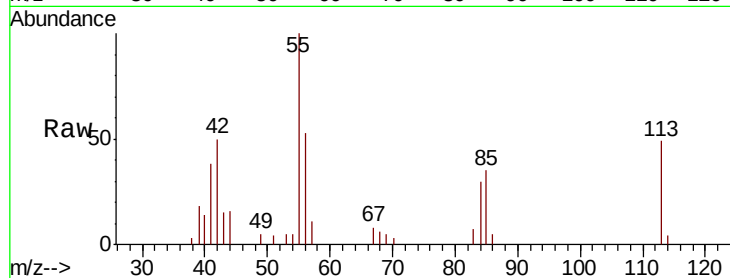
Tgt Ion:113 Resp: 5939

Ion Ratio Lower Upper

113 100

55 203.7 176.6 216.6

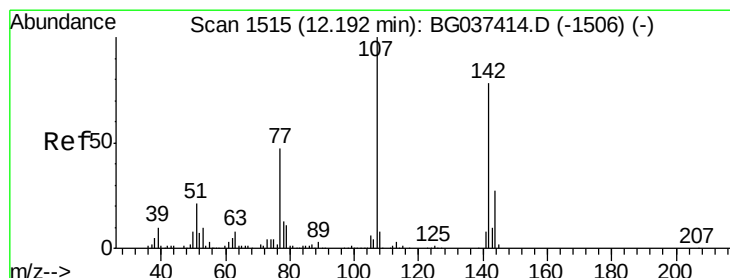
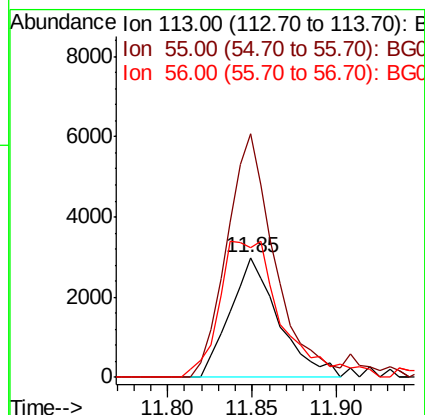
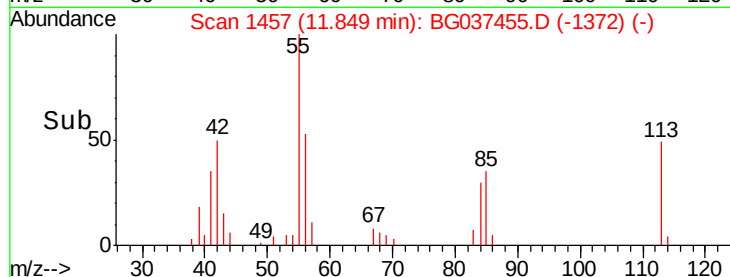
56 108.4 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 4.583 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

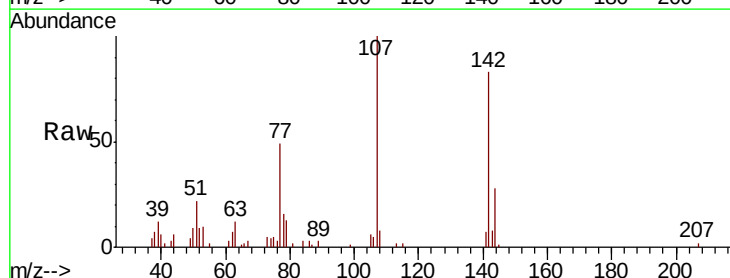
Tgt Ion:107 Resp: 20687

Ion Ratio Lower Upper

107 100

144 28.4 20.7 31.1

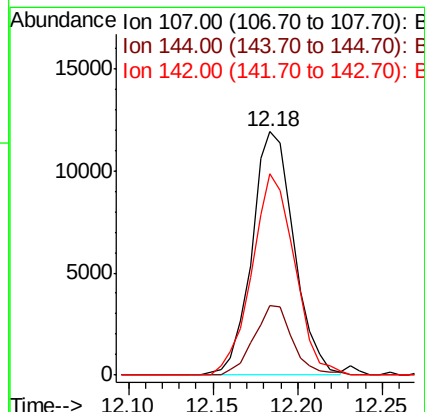
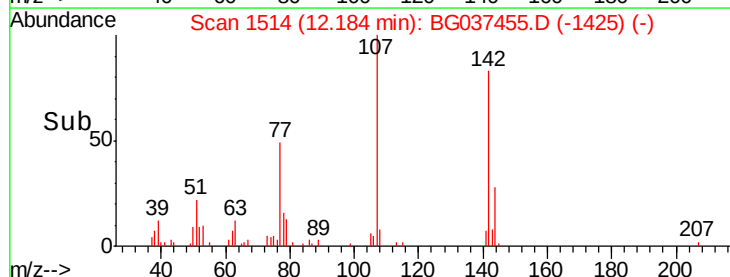
142 82.7 64.4 96.6

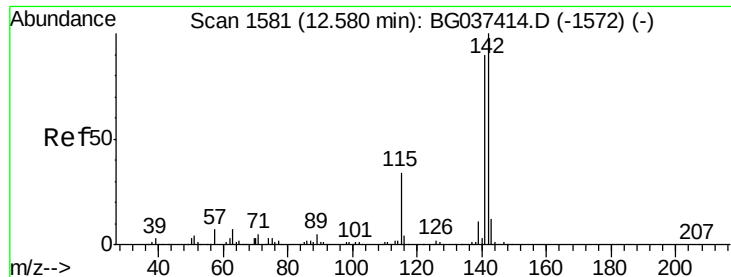


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 5.723 ng

RT: 12.58 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

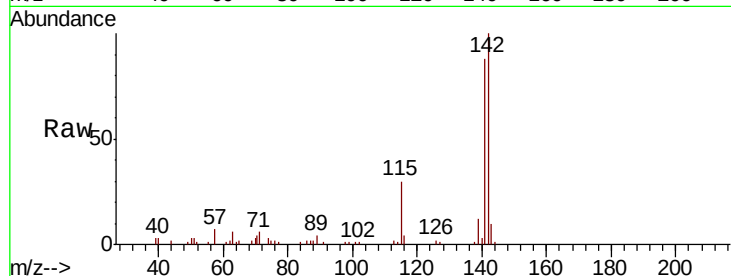
Tgt Ion:142 Resp: 49386

Ion Ratio Lower Upper

142 100

141 87.9 71.9 107.9

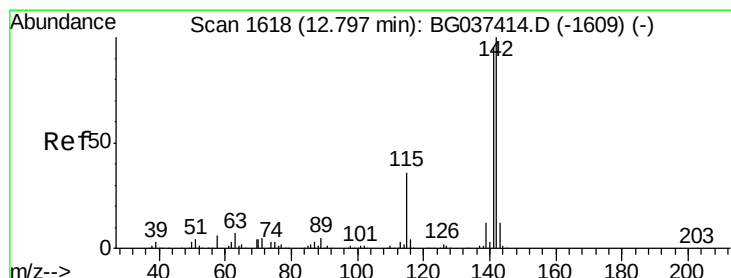
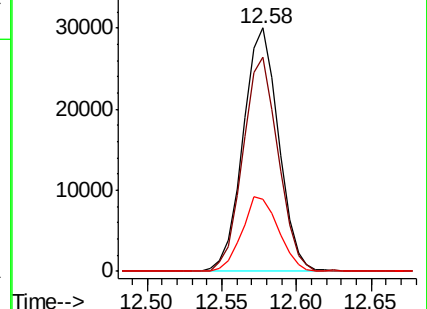
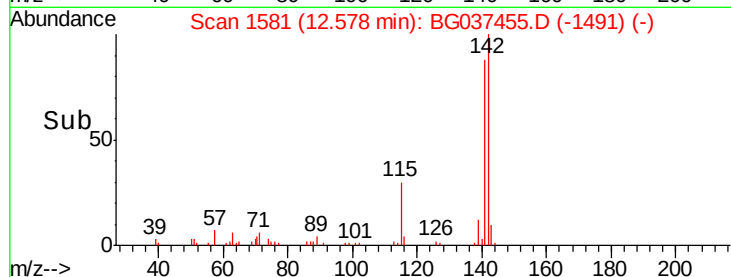
115 29.8 27.8 41.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 5.593 ng

RT: 12.79 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

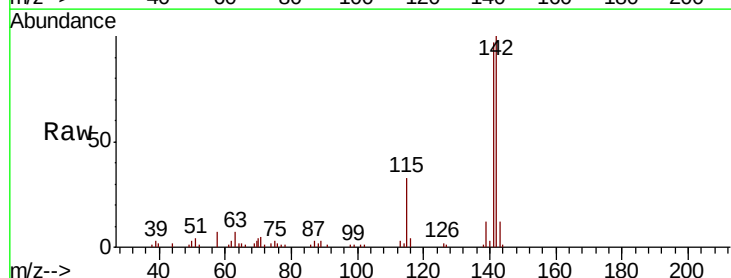
Tgt Ion:142 Resp: 46871

Ion Ratio Lower Upper

142 100

141 96.6 75.2 112.8

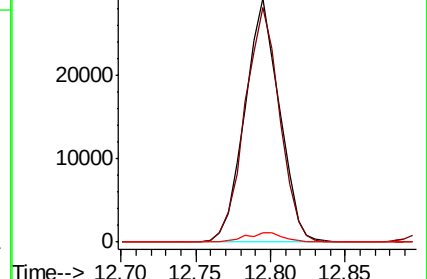
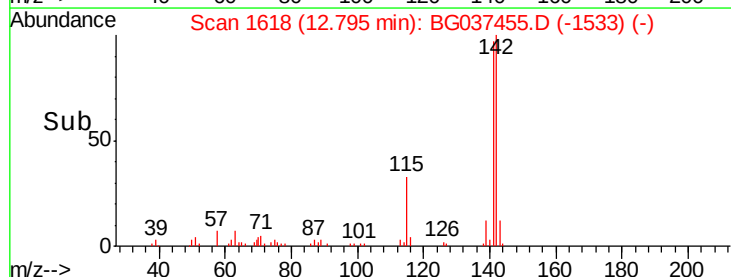
116 3.7 3.3 4.9

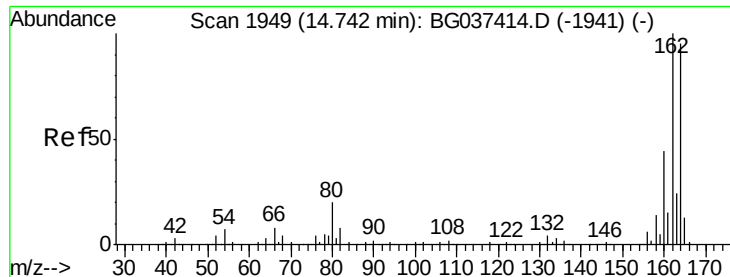


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

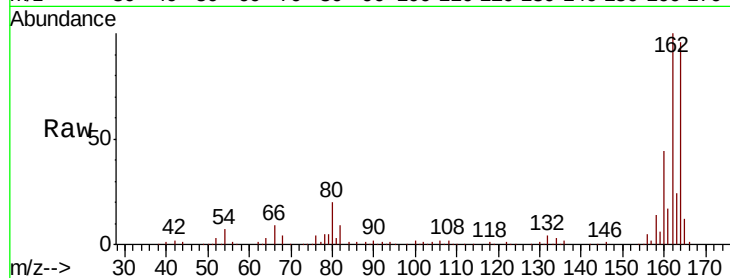
Tgt Ion:164 Resp: 162075

Ion Ratio Lower Upper

164 100

162 104.1 81.3 121.9

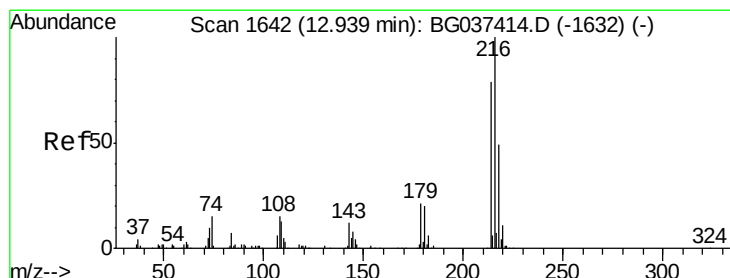
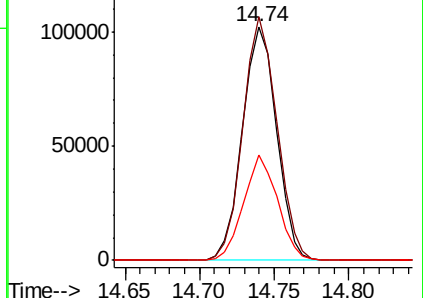
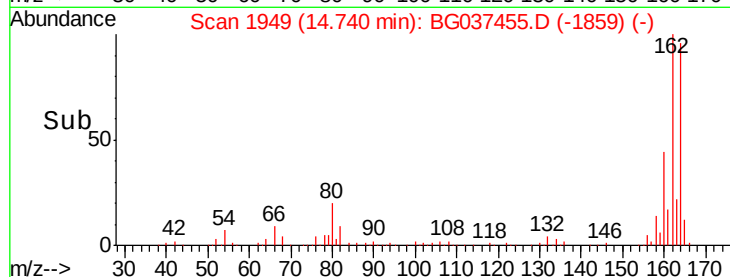
160 45.3 36.3 54.5



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: 4.798 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:216 Resp: 25081

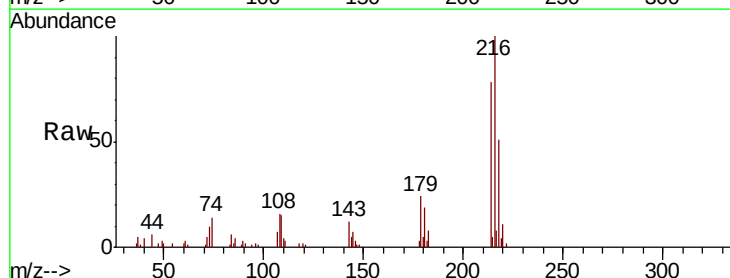
Ion Ratio Lower Upper

216 100

214 81.4 63.8 95.6

179 20.8 17.4 26.0

108 16.8 13.9 20.9

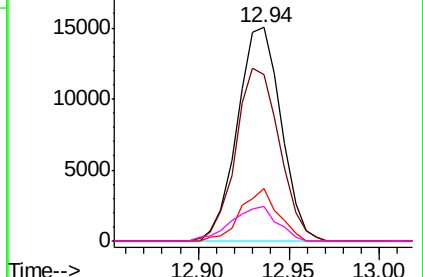
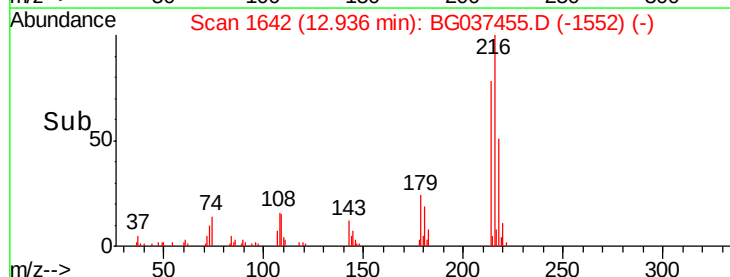


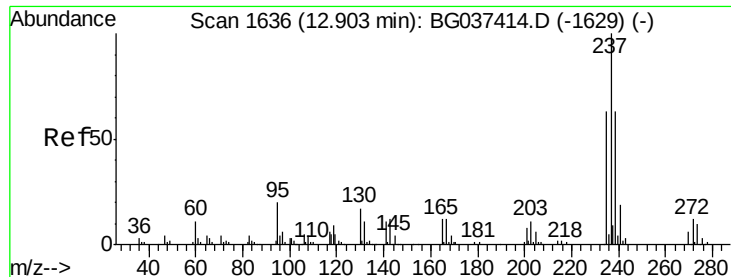
Abundance Ion 216.00 (215.70 to 216.70): E

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: 5.004 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

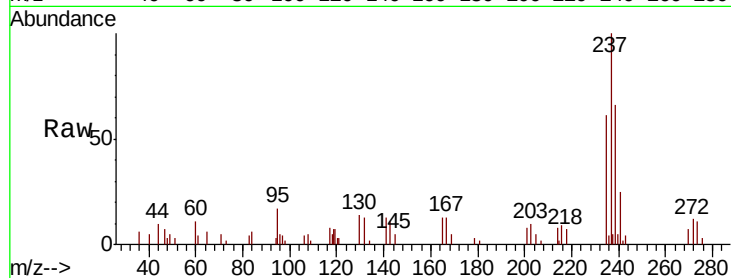
Tgt Ion: 237 Resp: 12497

Ion Ratio Lower Upper

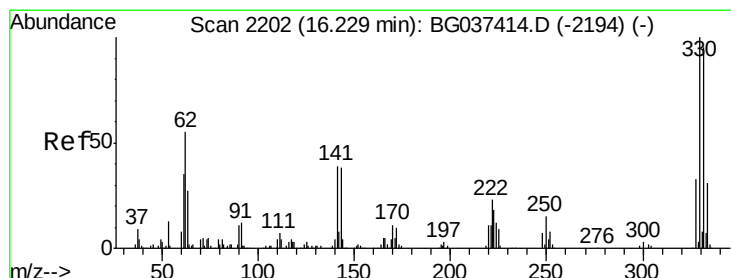
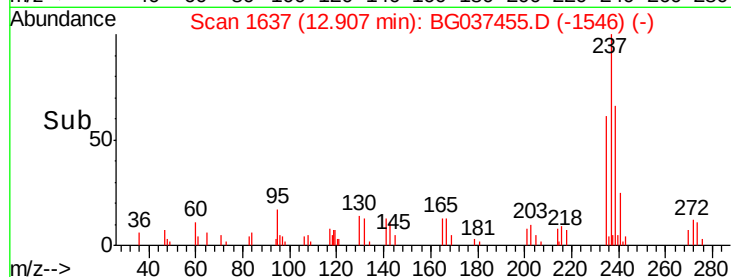
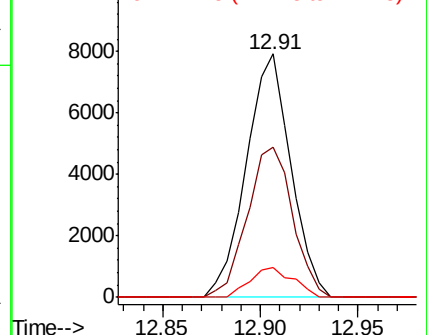
237 100

235 65.1 42.5 82.5

272 12.3 0.0 31.6



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



#42

2,4,6-Tribromophenol

Concen: 135.130 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

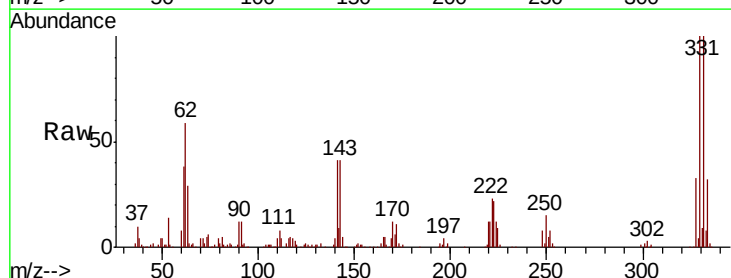
Tgt Ion: 330 Resp: 238874

Ion Ratio Lower Upper

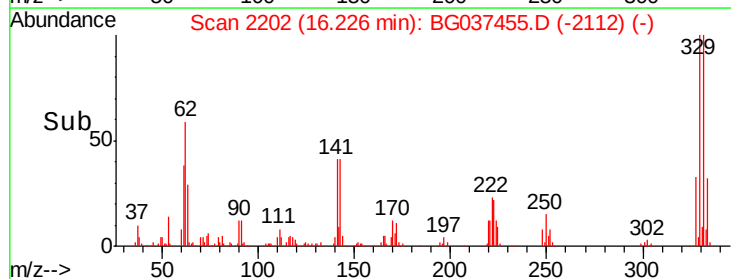
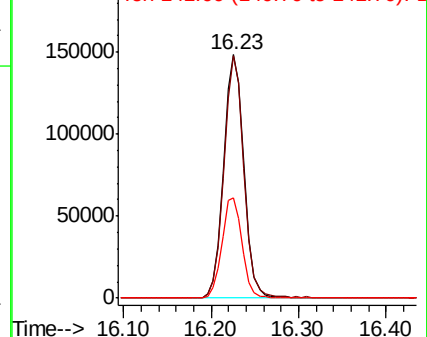
330 100

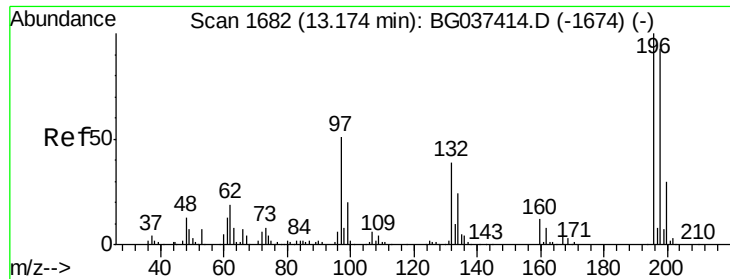
332 96.9 78.4 117.6

141 41.1 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

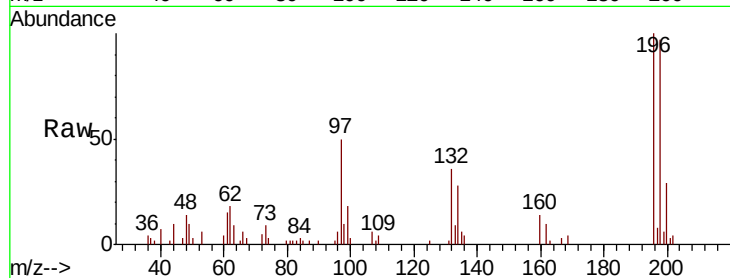




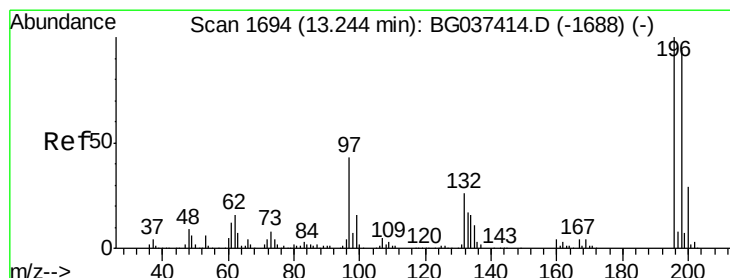
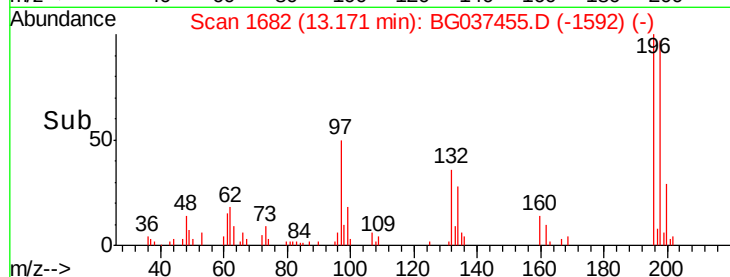
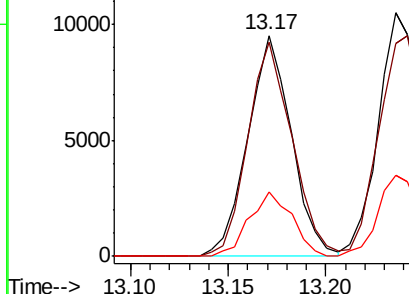
#43
 2,4,6-Trichlorophenol
 Concen: 4.223 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion:196 Resp: 14749
 Ion Ratio Lower Upper
 196 100
 198 97.1 76.4 114.6
 200 29.2 24.9 37.3



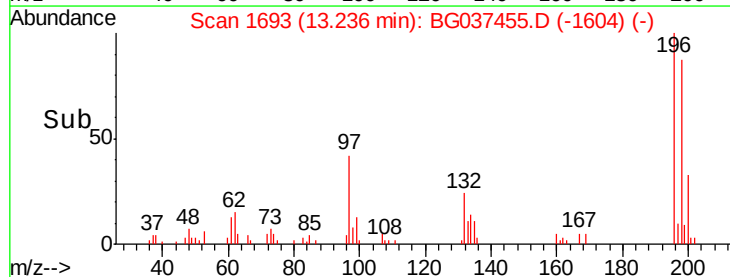
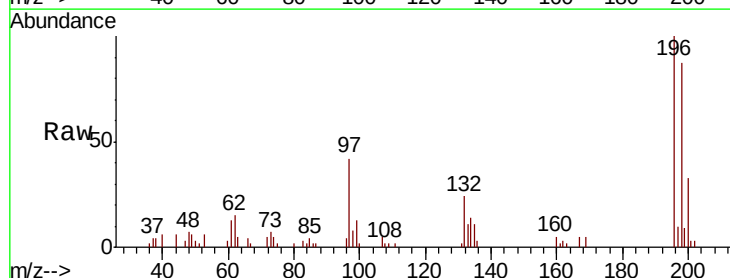
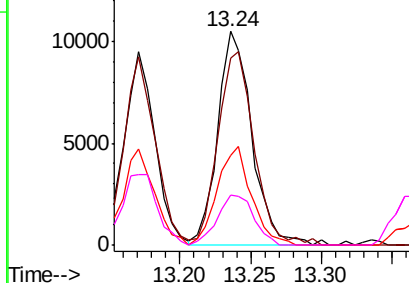
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

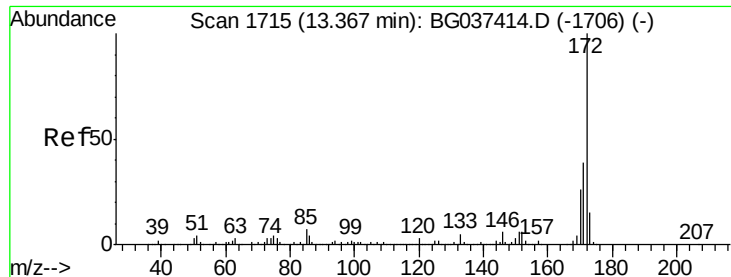


#44
 2,4,5-Trichlorophenol
 Concen: 4.660 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion:196 Resp: 17721
 Ion Ratio Lower Upper
 196 100
 198 87.3 74.2 111.2
 97 41.8 34.1 51.1
 132 23.5 20.2 30.4

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

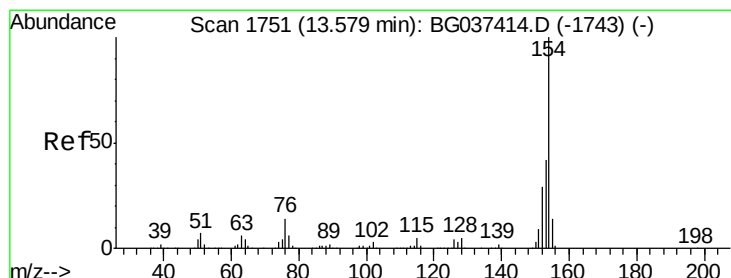
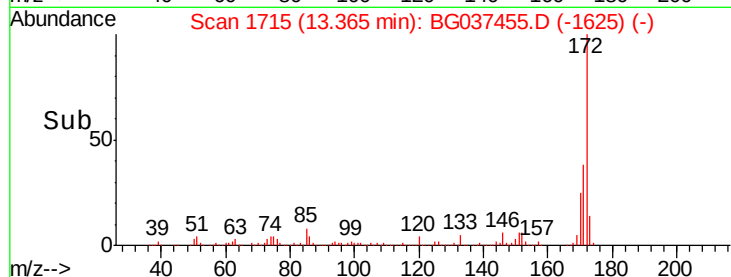
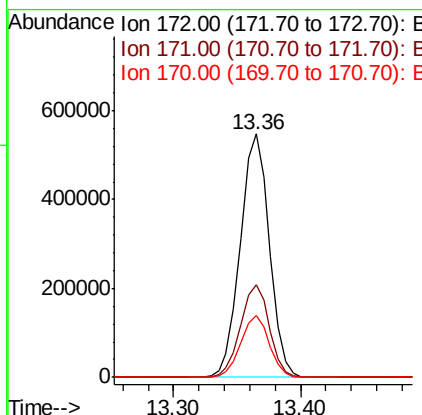
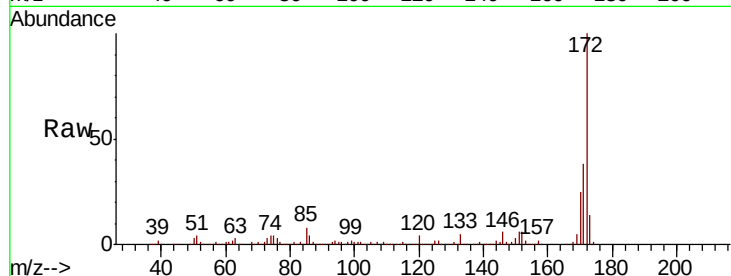




#45
2-Fluorobiphenyl
Concen: 80.854 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

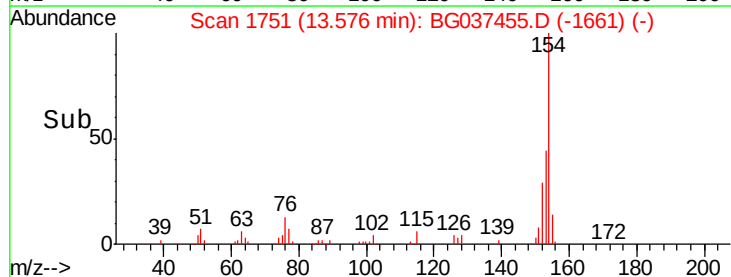
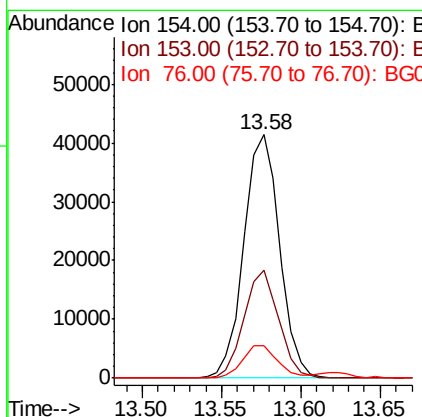
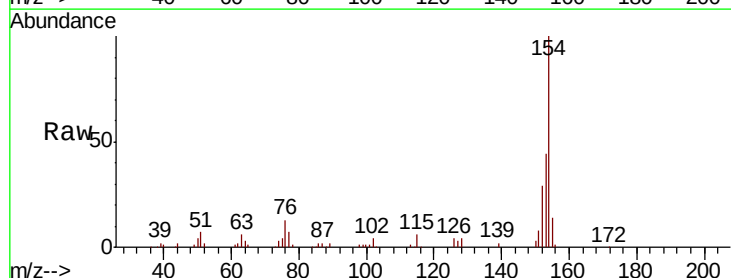
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

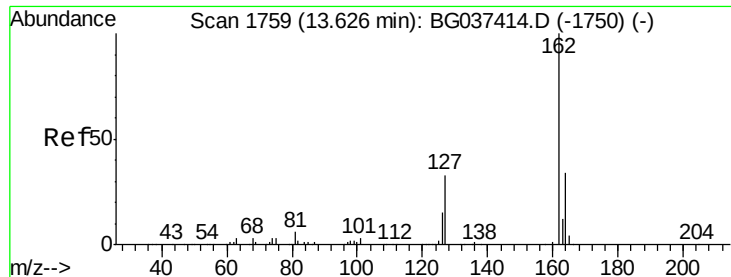
Tgt Ion:172 Resp: 869024
Ion Ratio Lower Upper
172 100
171 38.1 31.0 46.4
170 25.4 20.2 30.2



#46
1,1'-Biphenyl
Concen: 4.830 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:154 Resp: 64836
Ion Ratio Lower Upper
154 100
153 44.5 22.1 62.1
76 13.3 0.0 33.2

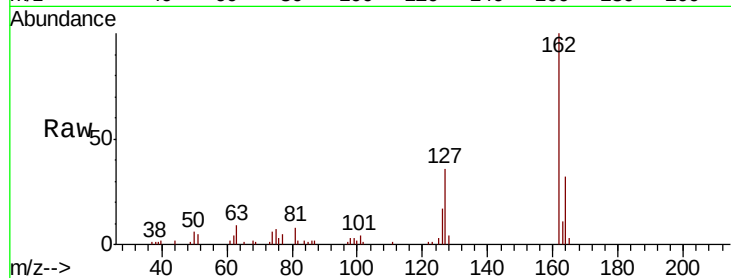




#47
2-Chloronaphthalene
Concen: 4.984 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.3	30.5	45.7
164	32.3	26.4	39.6

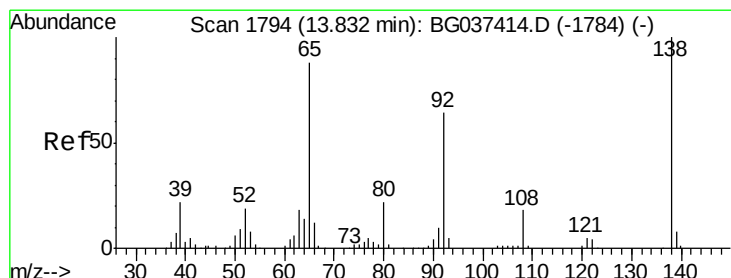
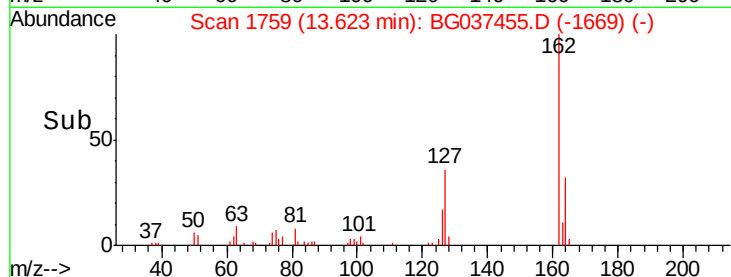
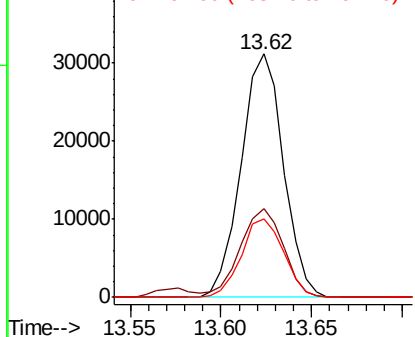


Abundance

Ion 162.00 (161.70 to 162.70): E

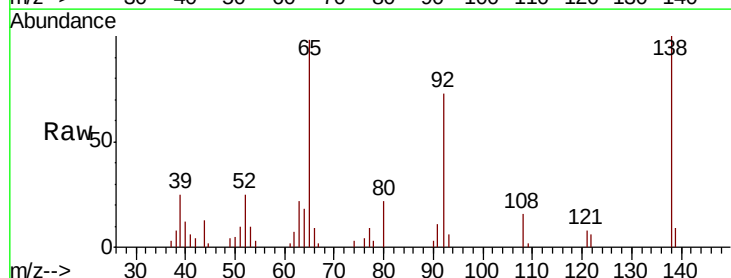
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 4.375 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.4	53.2	79.8
138	101.9	79.3	118.9

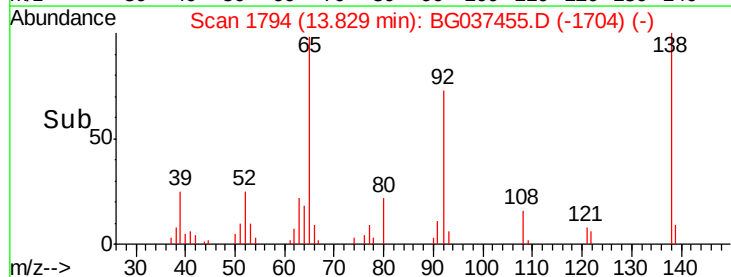
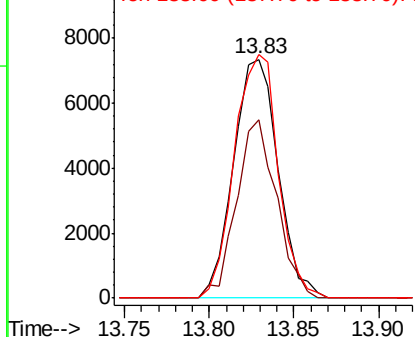


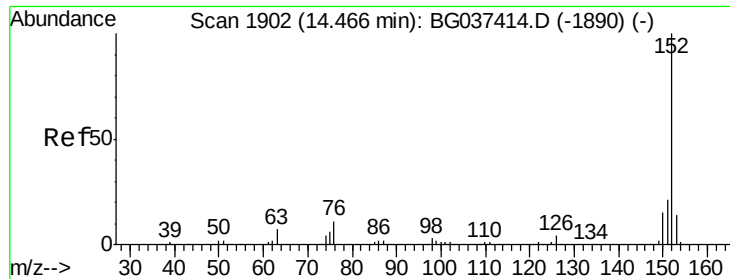
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 5.462 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

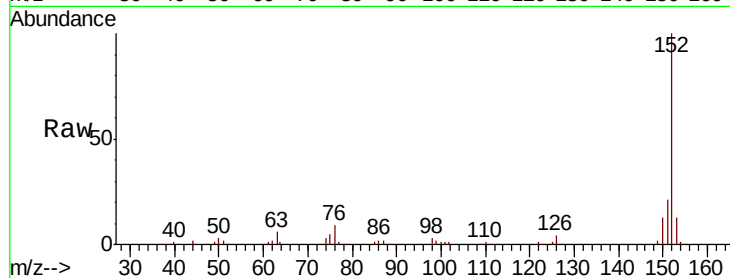
Tgt Ion:152 Resp: 83435

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

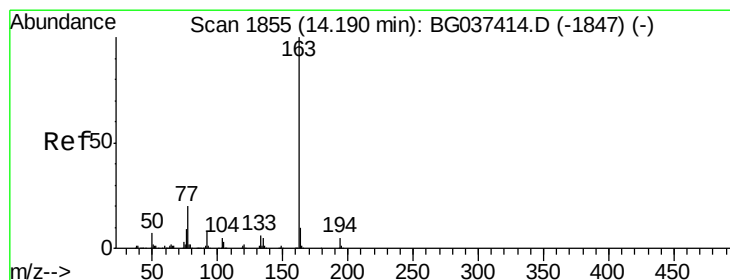
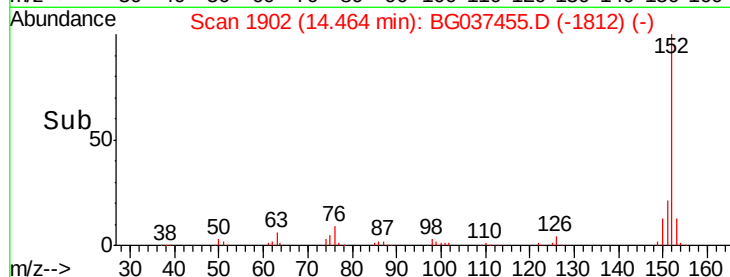
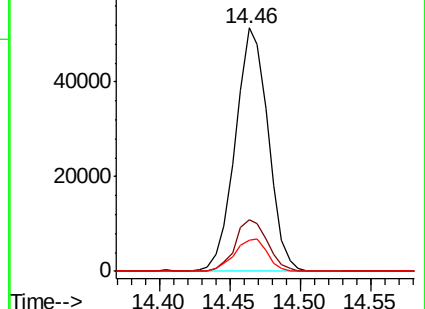
153 13.0 11.1 16.7



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: 5.287 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

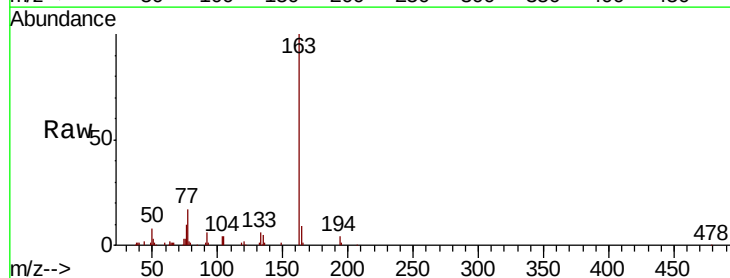
Tgt Ion:163 Resp: 66294

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

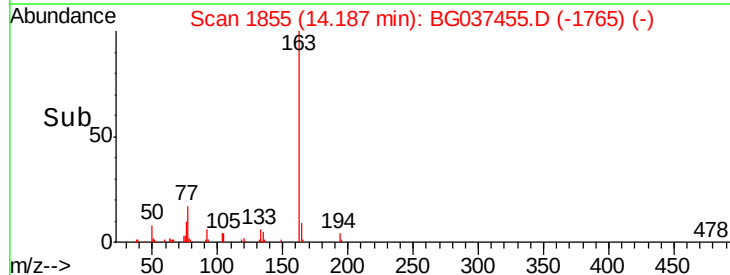
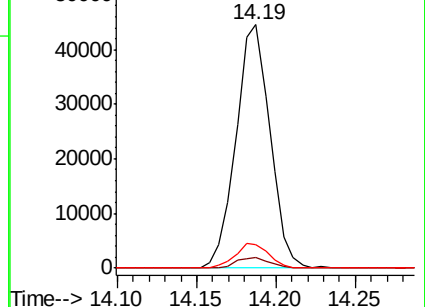
164 9.4 8.5 12.7

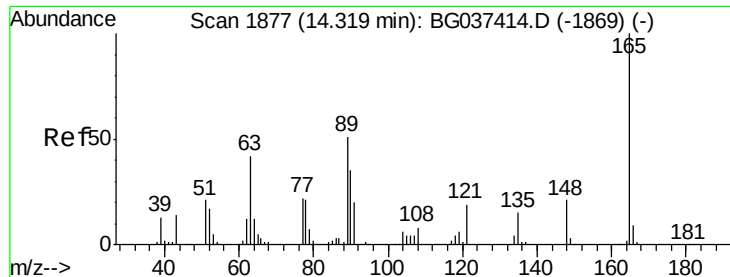


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

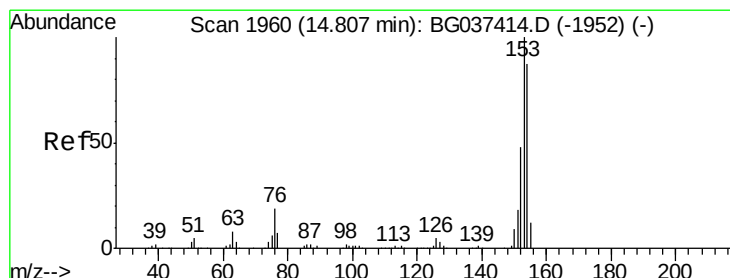
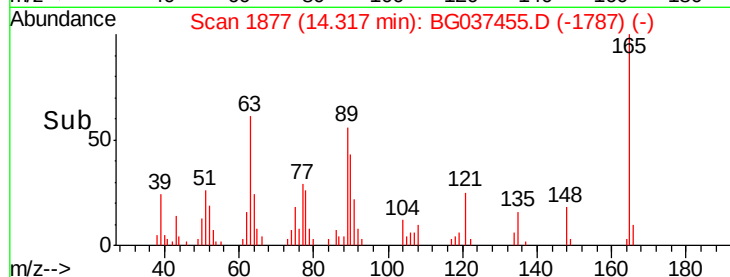
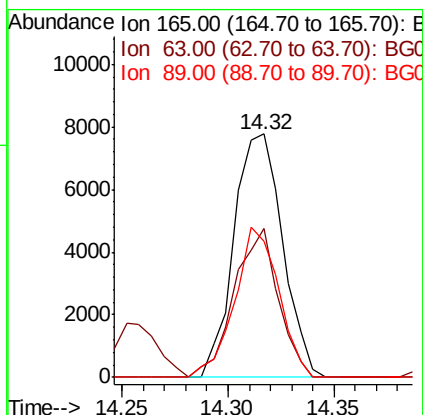
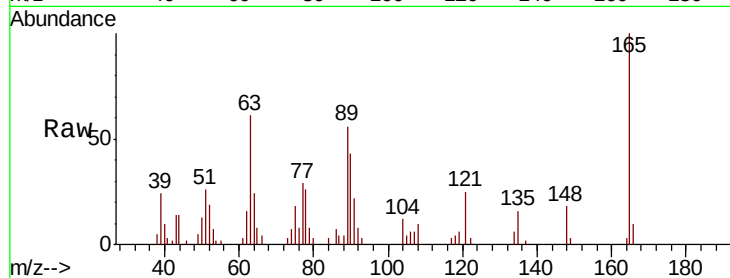




#51
 2,6-Dinitrotoluene
 Concen: 4.466 ng
 RT: 14.32 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

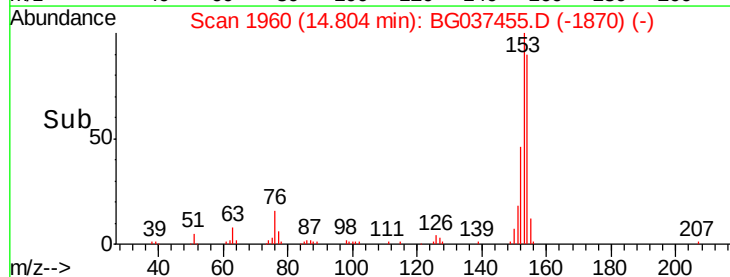
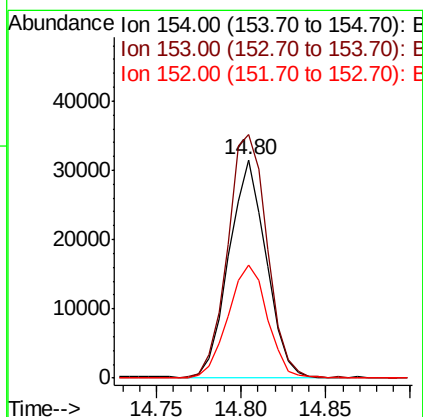
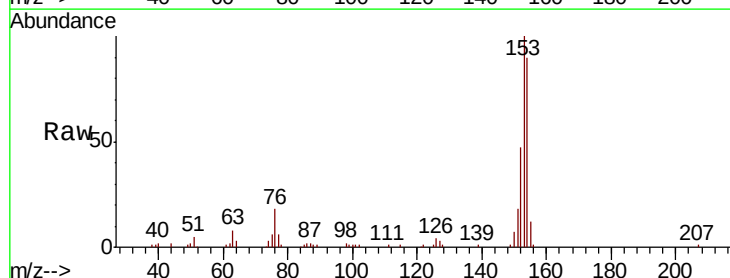
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

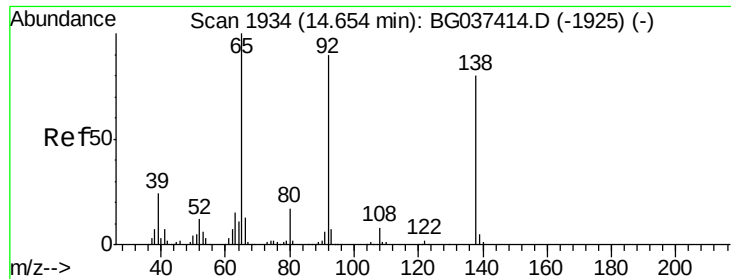
Tgt Ion:165 Resp: 12388
 Ion Ratio Lower Upper
 165 100
 63 61.4 43.4 65.2
 89 55.7 45.8 68.6



#52
 Acenaphthene
 Concen: 5.164 ng
 RT: 14.80 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion:154 Resp: 48578
 Ion Ratio Lower Upper
 154 100
 153 111.5 93.4 140.0
 152 51.9 44.7 67.1

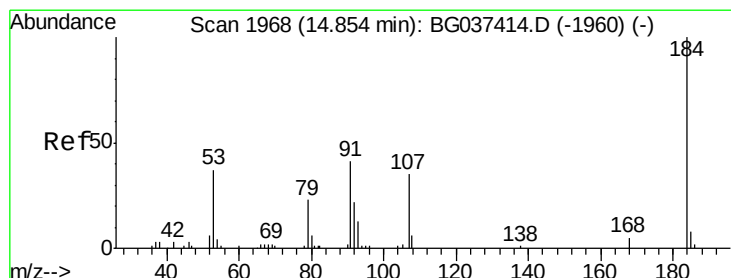
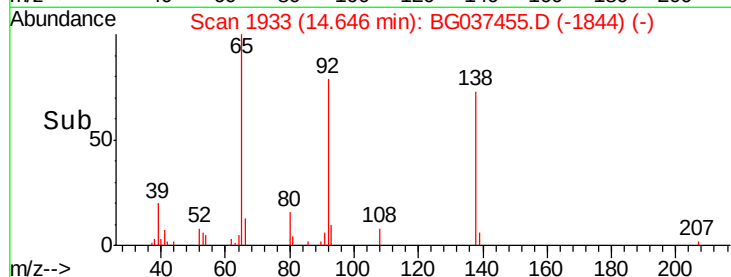
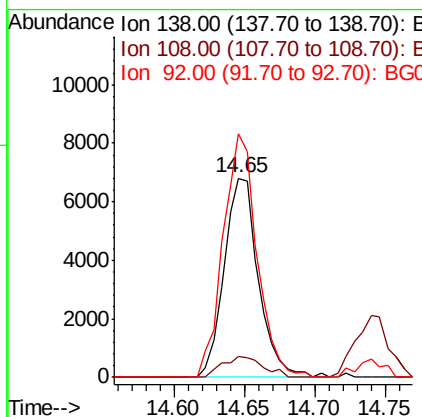
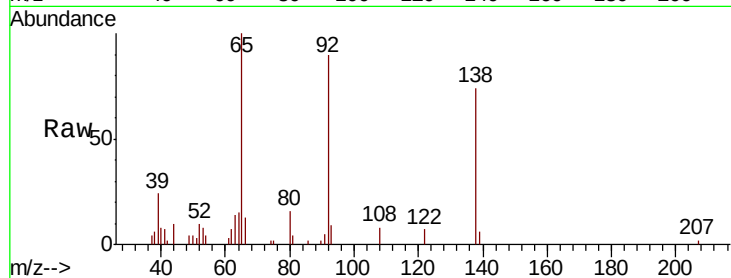




#53
3-Nitroaniline
Concen: 3.733 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

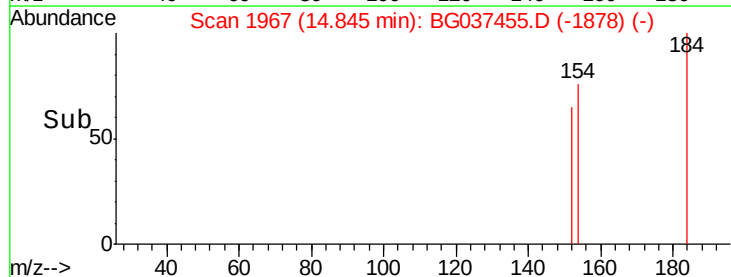
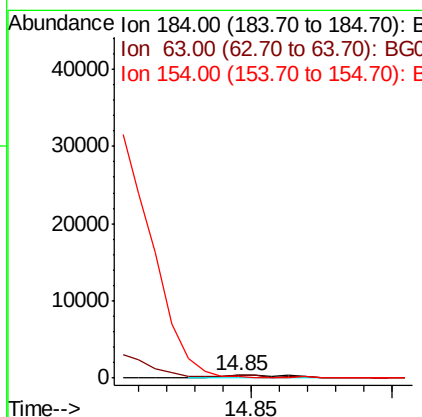
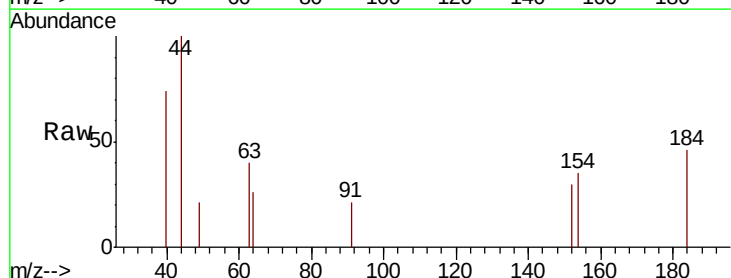
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

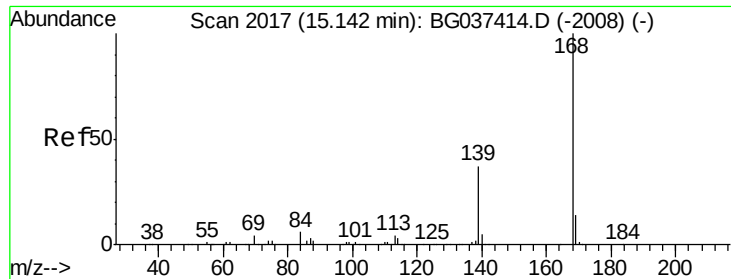
Tgt Ion:138 Resp: 11494
Ion Ratio Lower Upper
138 100
108 10.5 11.0 16.6#
92 122.2 95.2 142.8



#54
2,4-Dinitrophenol
Concen: 7.064 ng
RT: 14.85 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:184 Resp: 606
Ion Ratio Lower Upper
184 100
63 88.0 42.6 63.8#
154 76.0 41.8 62.6#

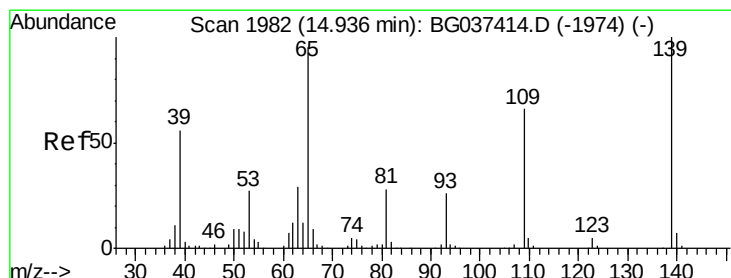
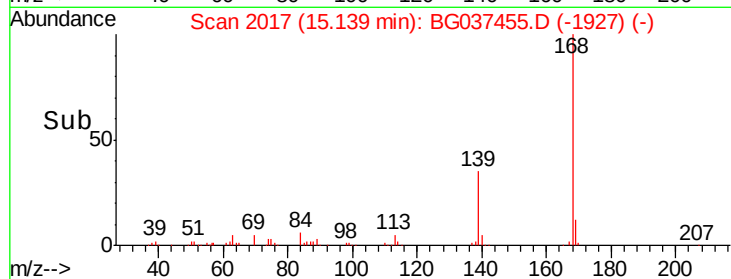
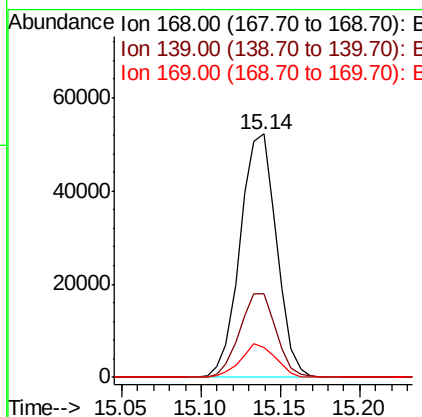
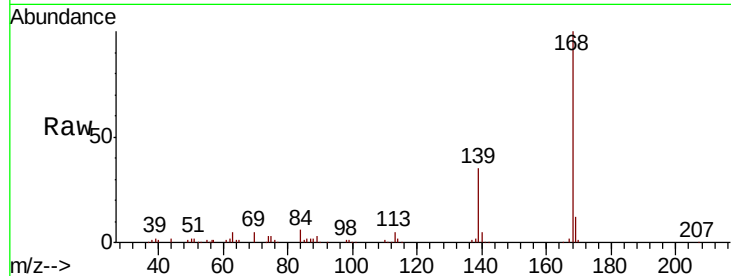




#55
Dibenzenofuran
Concen: 5.334 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

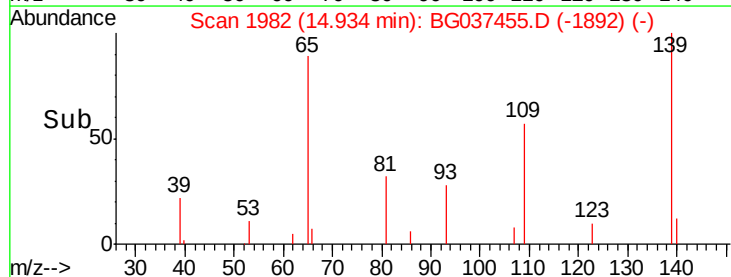
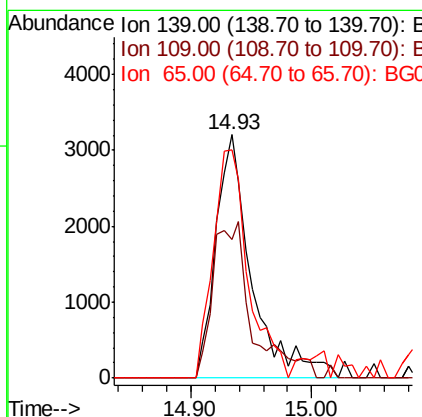
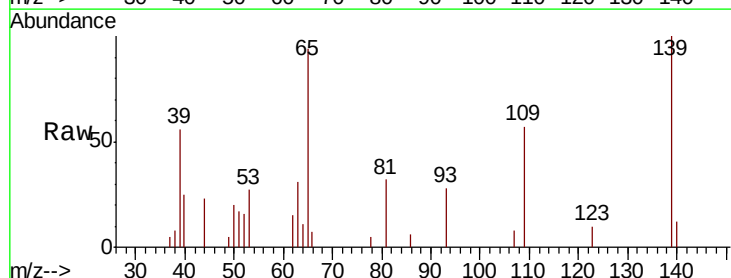
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

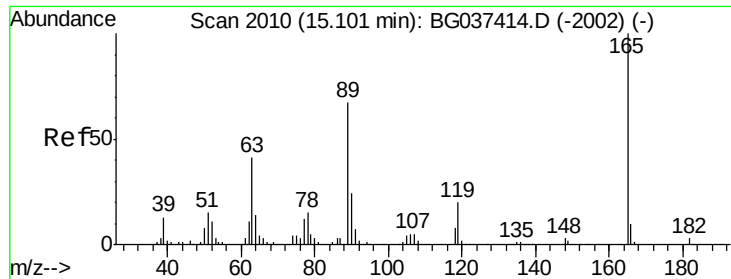
Tgt Ion:168 Resp: 83147
Ion Ratio Lower Upper
168 100
139 34.6 29.4 44.0
169 12.3 11.0 16.6



#56
4-Nitrophenol
Concen: 2.889 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:139 Resp: 6584
Ion Ratio Lower Upper
139 100
109 57.2 49.5 89.5
65 93.9 76.8 116.8

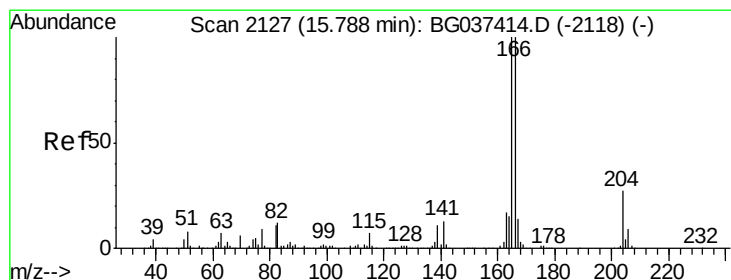
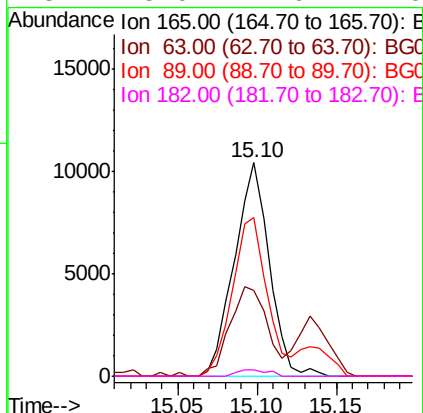
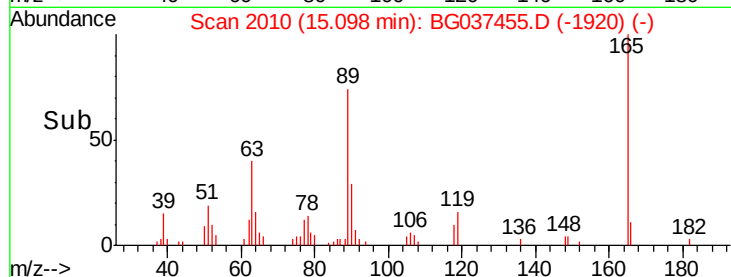
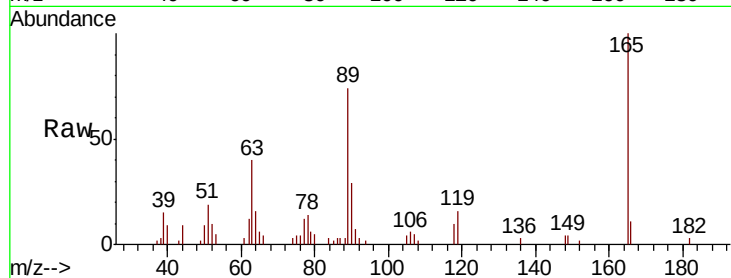




#57
2,4-Dinitrotoluene
Concen: 4.370 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

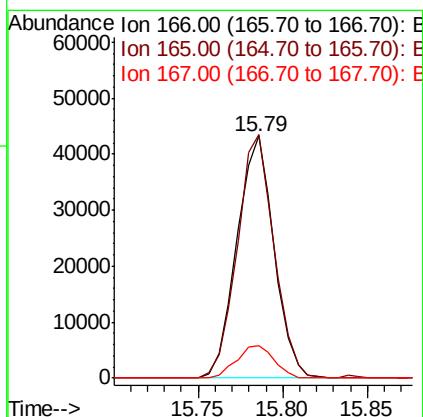
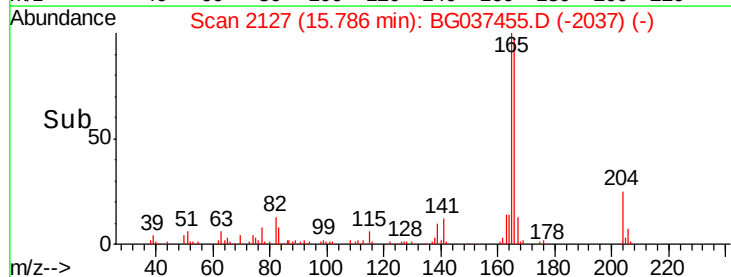
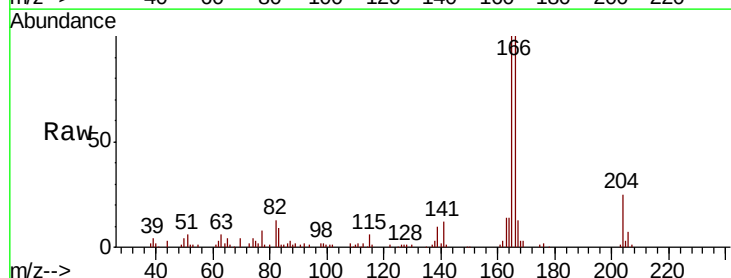
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

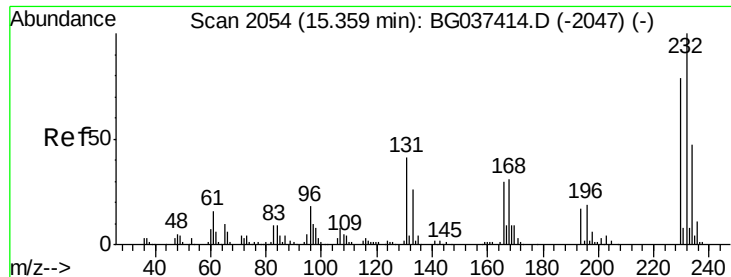
Tgt Ion:	165	Resp:	15913
Ion	Ratio	Lower	Upper
165	100		
63	40.1	33.4	50.0
89	74.3	57.2	85.8
182	3.0	2.6	4.0



#58
Fluorene
Concen: 5.644 ng
RT: 15.79 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:	166	Resp:	65878
Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.0	118.6
167	13.5	11.3	16.9





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.540 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:232 Resp: 14782

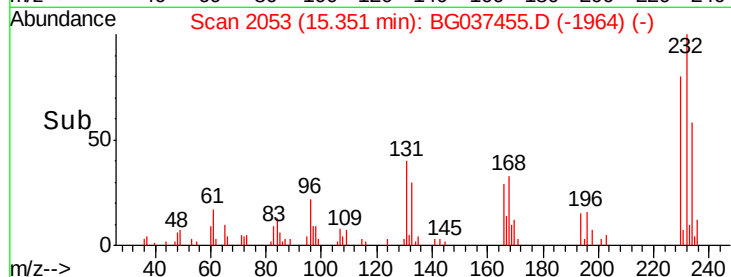
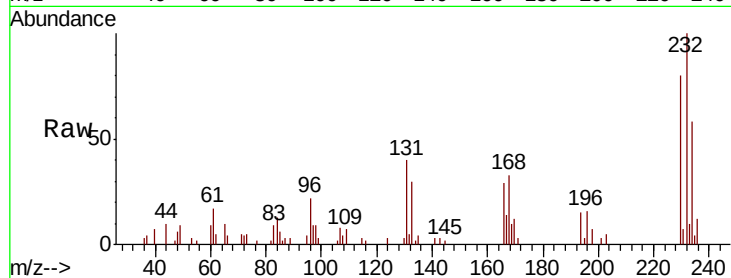
Ion Ratio Lower Upper

232 100

131 43.7 33.7 50.5

130 2.2 2.1 3.1

166 29.8 24.6 36.8

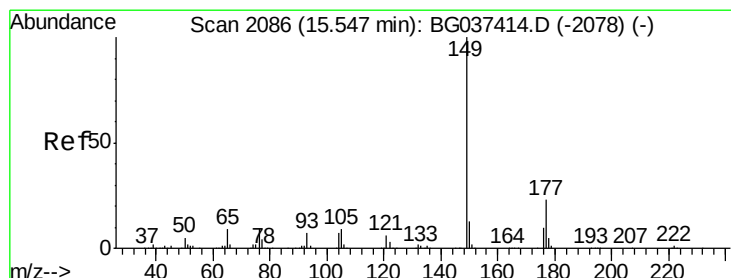
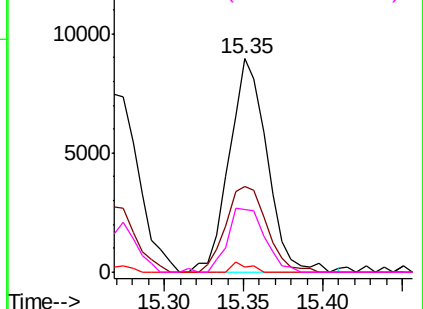


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 5.242 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

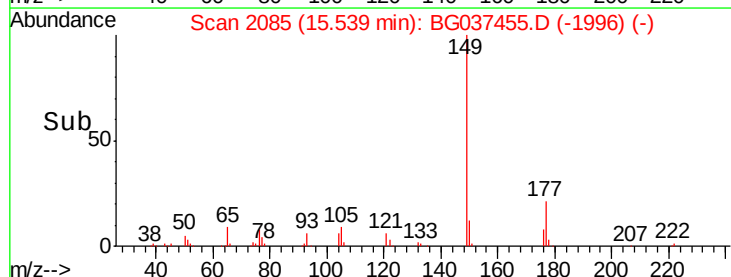
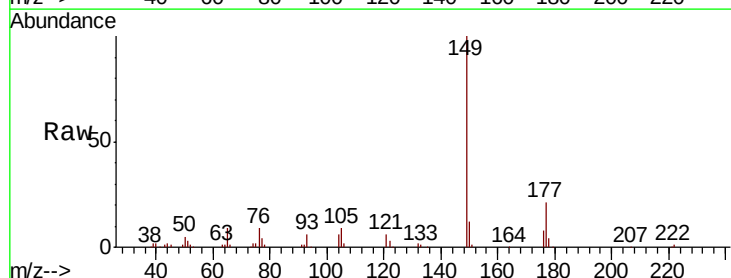
Tgt Ion:149 Resp: 67472

Ion Ratio Lower Upper

149 100

177 21.0 18.3 27.5

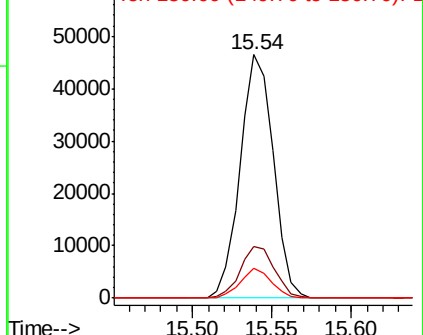
150 12.5 10.0 15.0

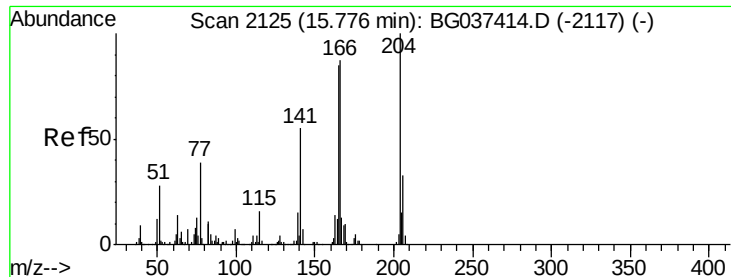


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

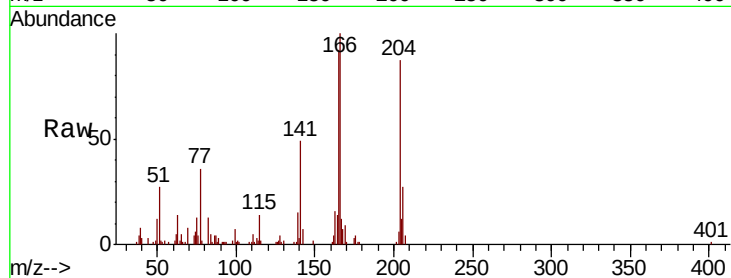




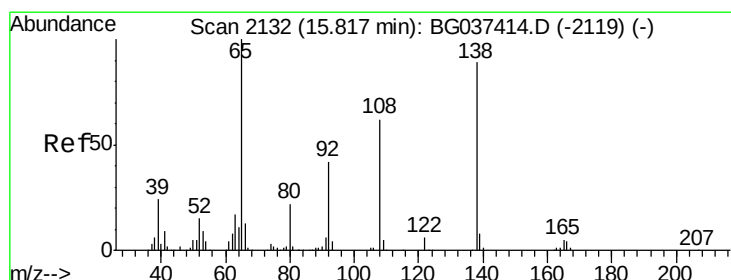
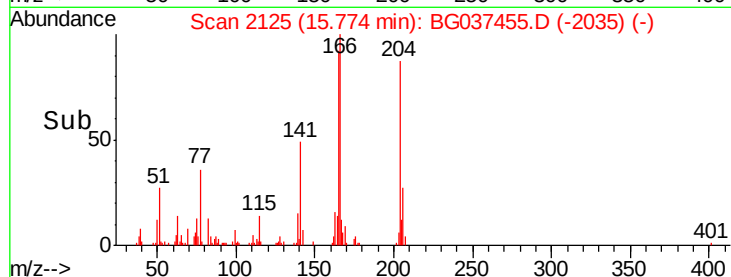
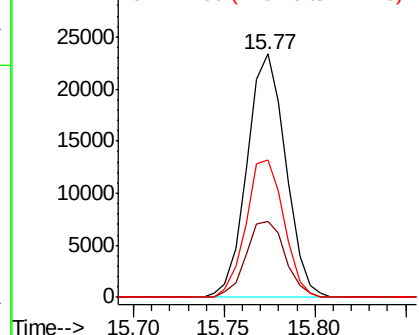
#61
4-Chlorophenyl-phenylether
Concen: 5.096 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion: 204 Resp: 34668
Ion Ratio Lower Upper
204 100
206 31.4 26.6 39.8
141 56.2 45.4 68.2

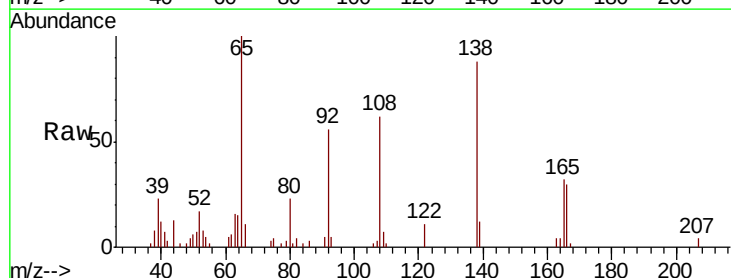


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

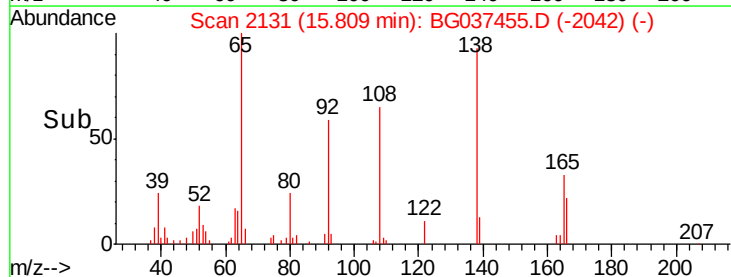
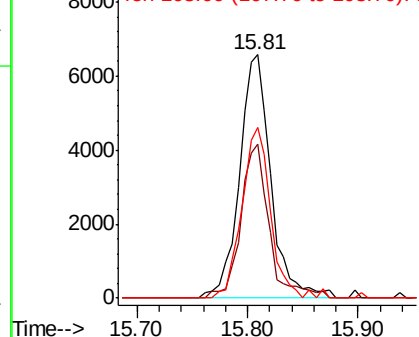


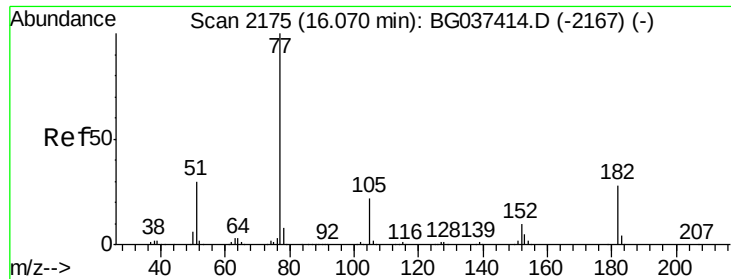
#62
4-Nitroaniline
Concen: 4.286 ng
RT: 15.81 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion: 138 Resp: 13113
Ion Ratio Lower Upper
138 100
92 63.3 36.4 76.4
108 70.0 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: 5.277 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 77 Resp: 64808

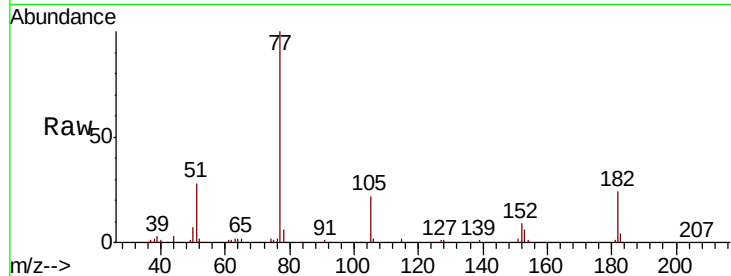
Ion Ratio Lower Upper

77 100

182 24.0 8.0 48.0

105 21.9 1.3 41.3

51 28.4 10.7 50.7

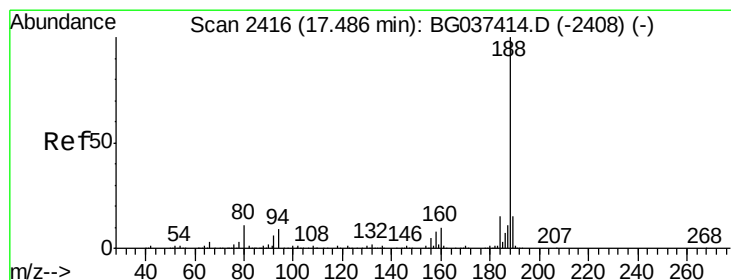
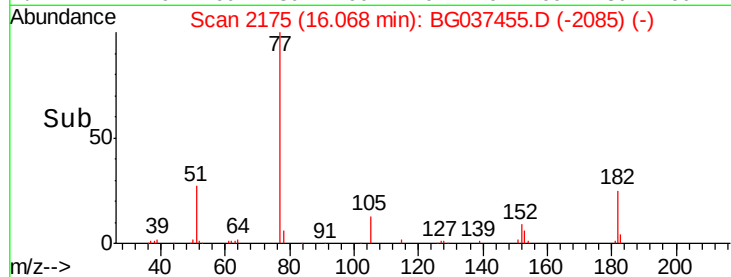
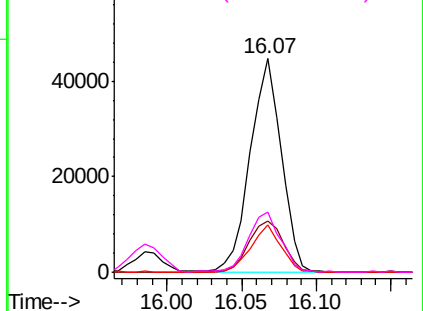


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

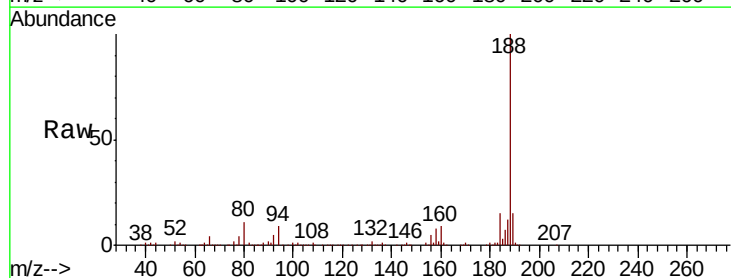
Tgt Ion: 188 Resp: 390386

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

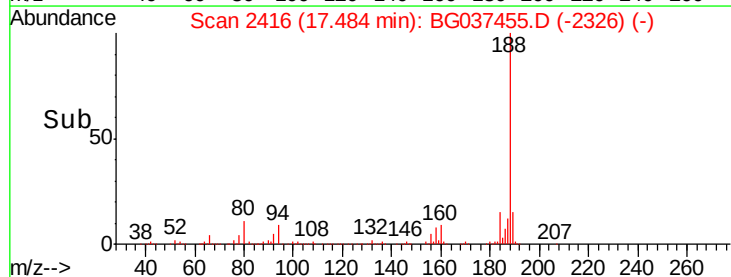
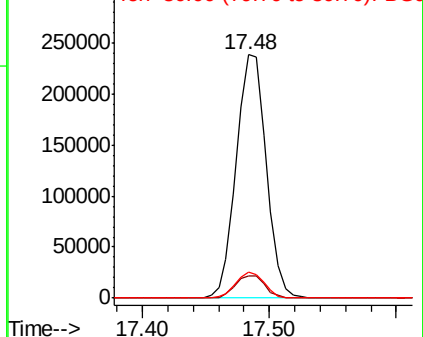
80 10.5 7.7 11.5

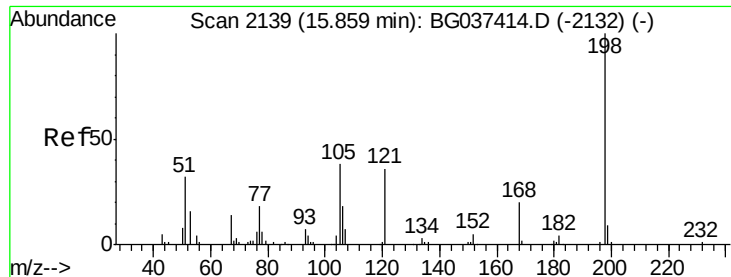


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

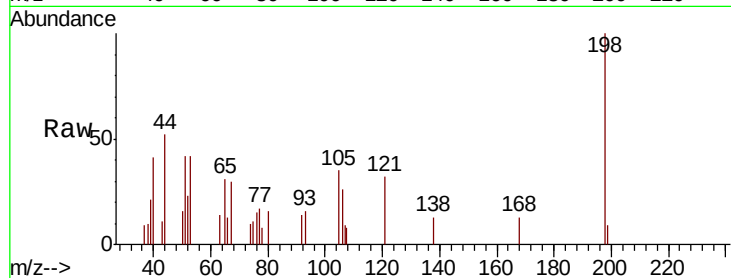




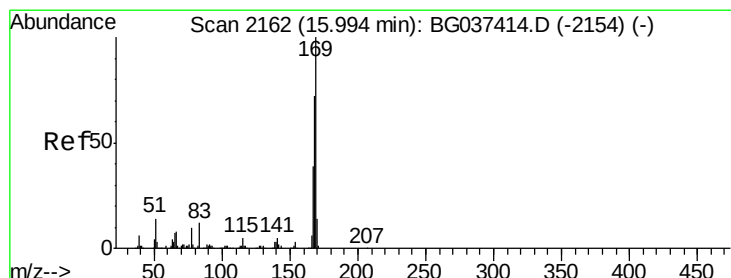
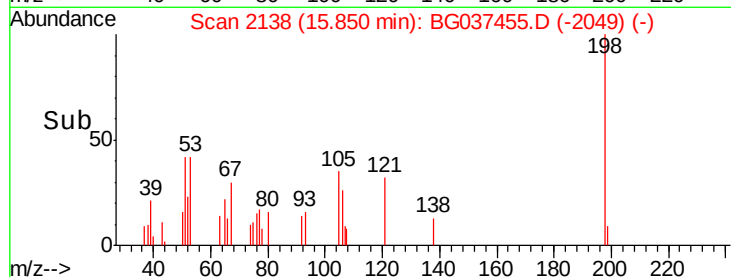
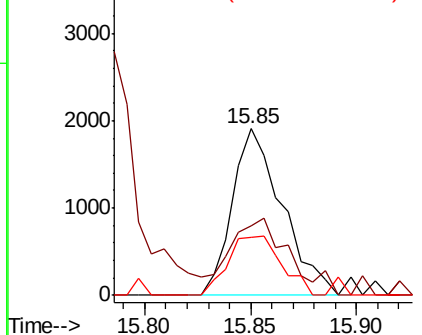
#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.763 ng
 RT: 15.85 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion:198 Resp: 3125
 Ion Ratio Lower Upper
 198 100
 51 41.8 22.7 62.7
 105 34.8 19.7 59.7

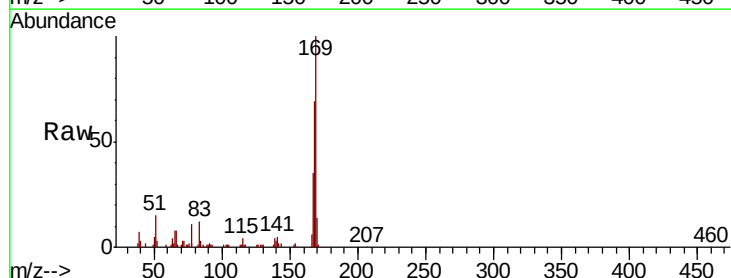


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

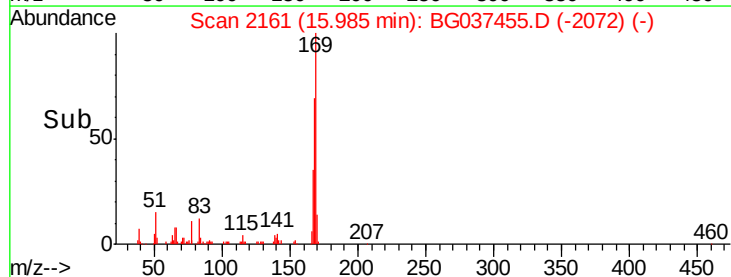
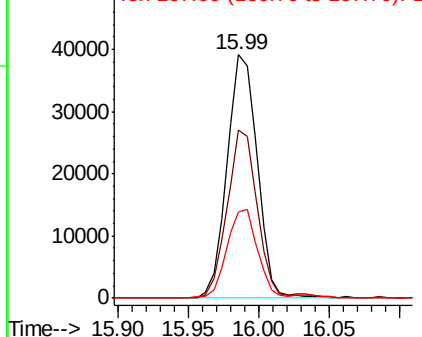


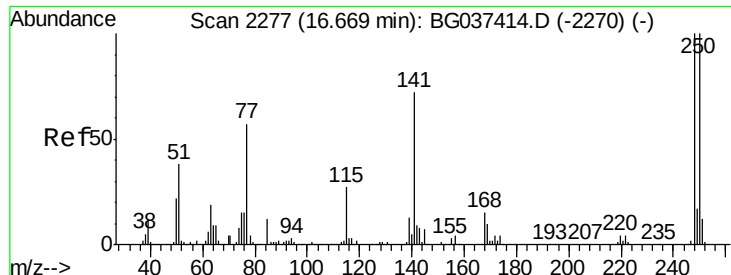
#66
 n-Nitrosodiphenylamine
 Concen: 4.960 ng
 RT: 15.99 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion:169 Resp: 58249
 Ion Ratio Lower Upper
 169 100
 168 69.1 55.7 83.5
 167 35.2 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

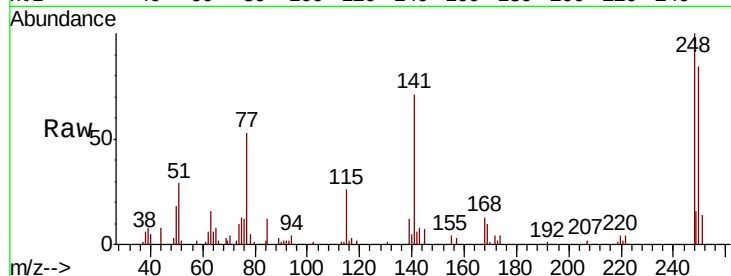




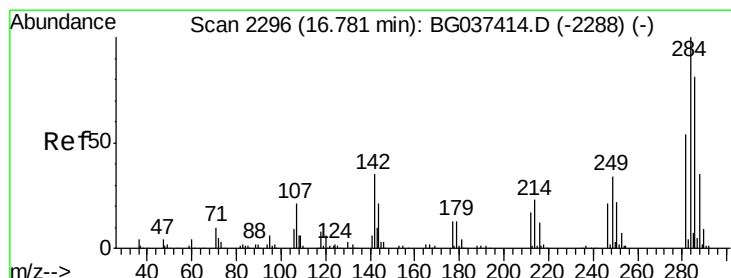
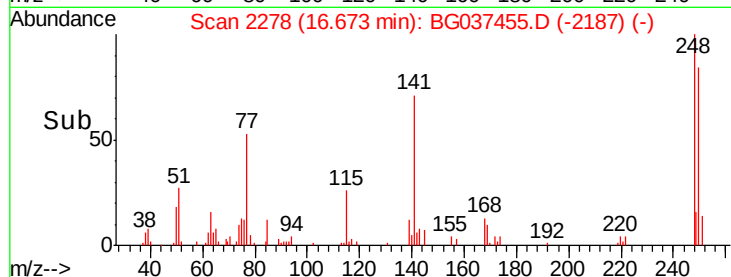
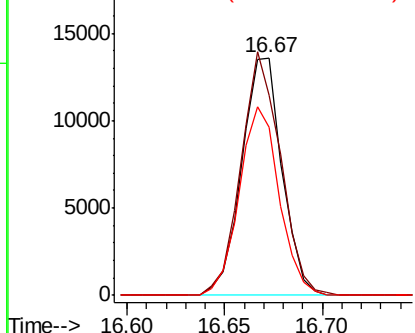
#67
 4-Bromophenyl-phenylether
 Concen: 4.526 ng
 RT: 16.67 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion: 248 Resp: 19404
 Ion Ratio Lower Upper
 248 100
 250 84.4 77.0 115.6
 141 70.7 55.5 83.3

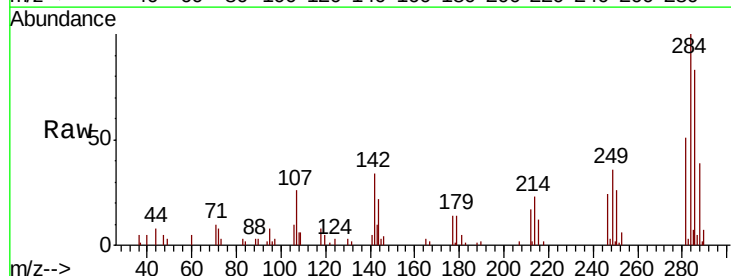


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

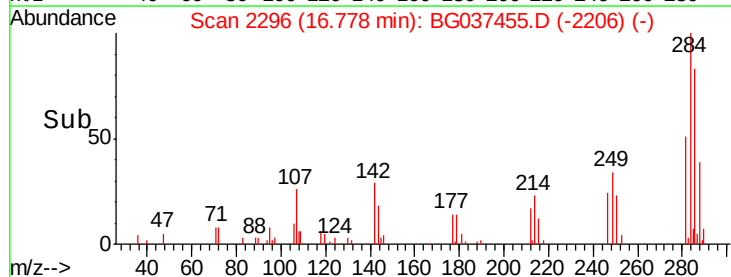
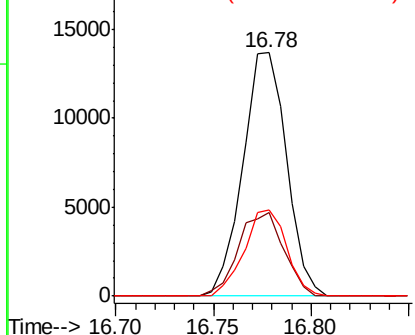


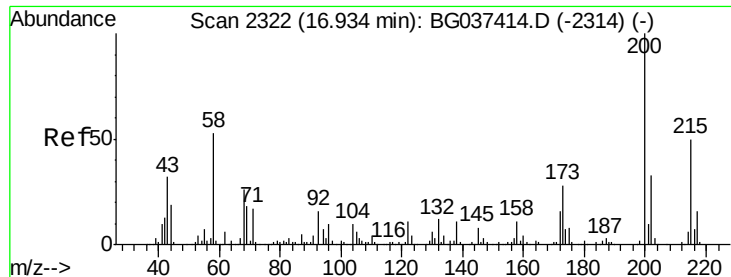
#68
 Hexachlorobenzene
 Concen: 4.777 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion: 284 Resp: 21227
 Ion Ratio Lower Upper
 284 100
 142 34.2 28.1 42.1
 249 37.8 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

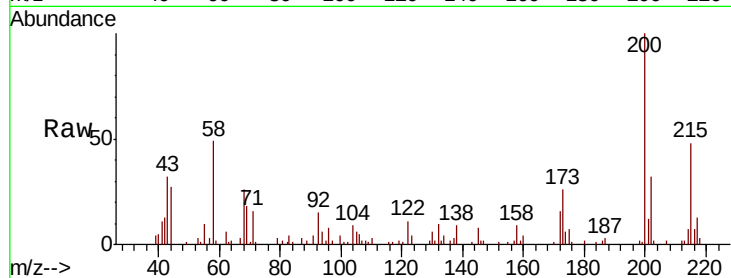




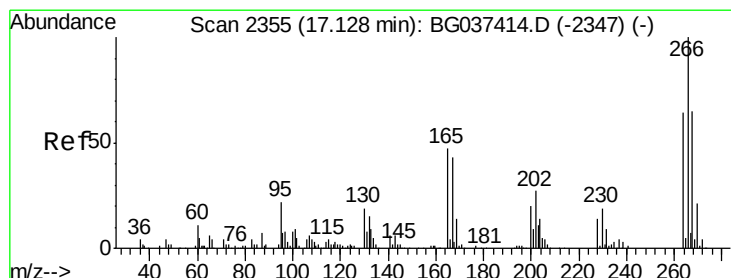
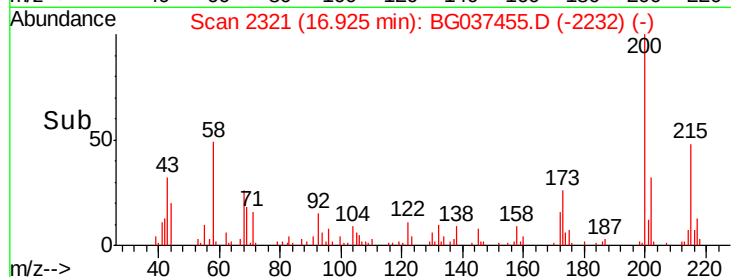
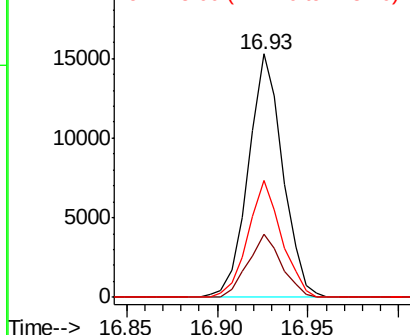
#69
 Atrazine
 Concen: 4.729 ng
 RT: 16.93 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion:200 Resp: 20078
 Ion Ratio Lower Upper
 200 100
 173 25.8 6.1 46.1
 215 48.0 30.8 70.8

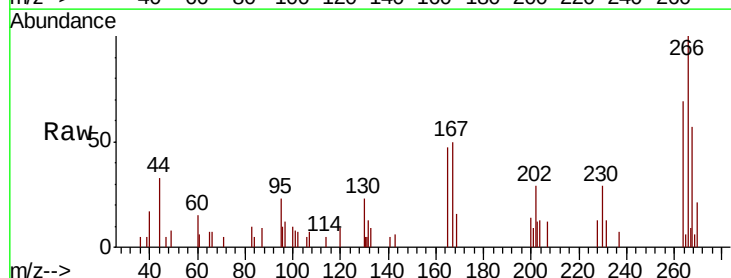


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

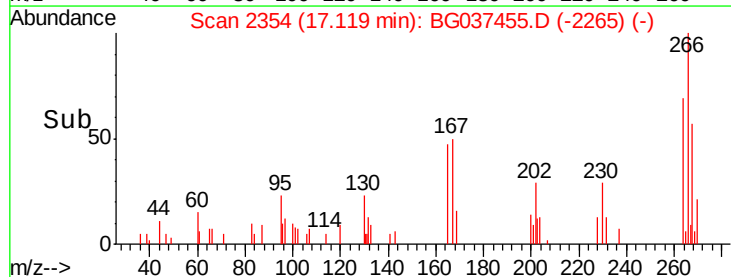
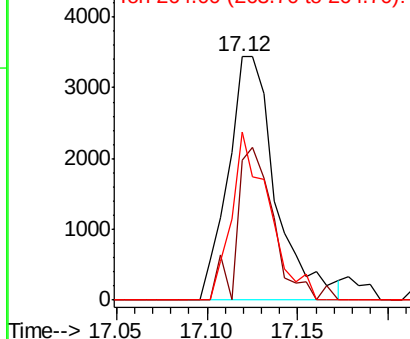


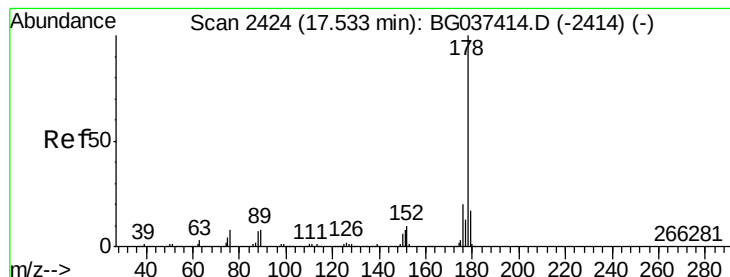
#70
 Pentachlorophenol
 Concen: 2.110 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion:266 Resp: 6279
 Ion Ratio Lower Upper
 266 100
 268 63.2 55.0 82.6
 264 69.0 58.9 88.3



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 5.720 ng

RT: 17.52 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

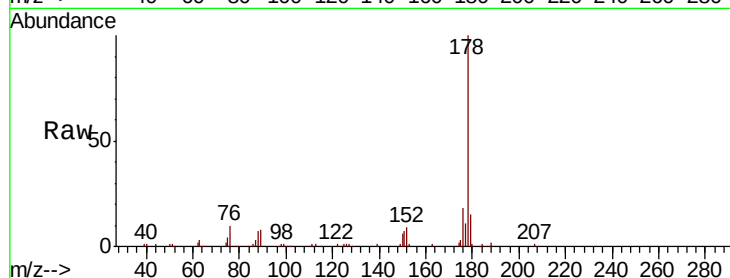
Tgt Ion:178 Resp: 113496

Ion Ratio Lower Upper

178 100

176 17.6 16.1 24.1

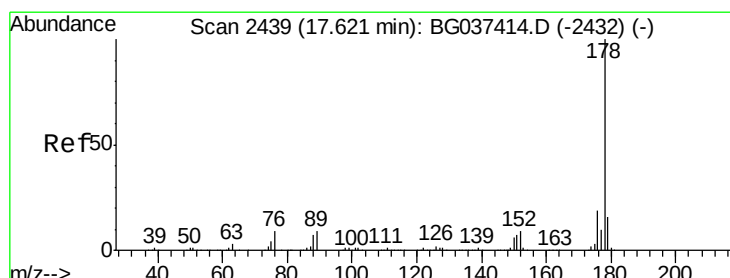
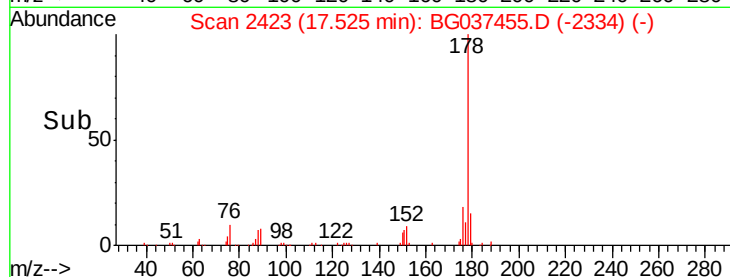
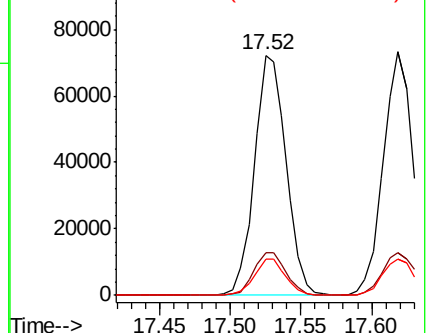
179 15.0 13.0 19.4



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: 5.645 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

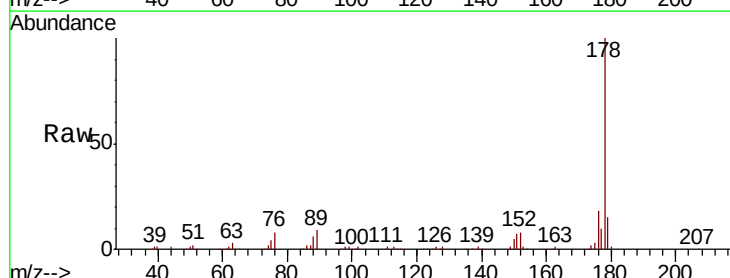
Tgt Ion:178 Resp: 109918

Ion Ratio Lower Upper

178 100

176 17.6 15.0 22.4

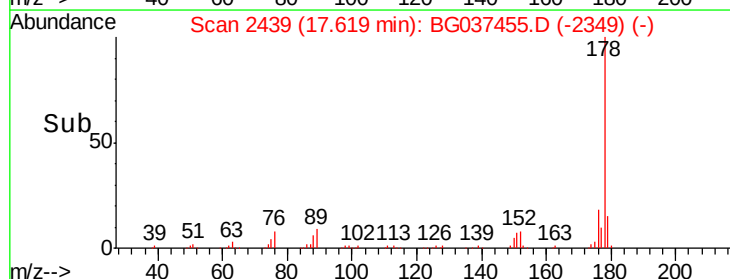
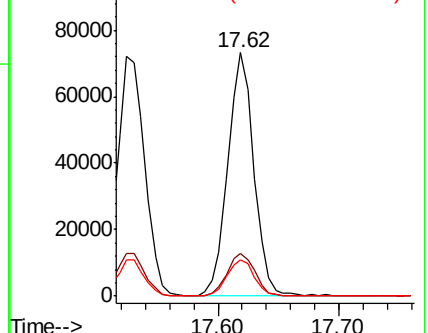
179 15.1 12.8 19.2

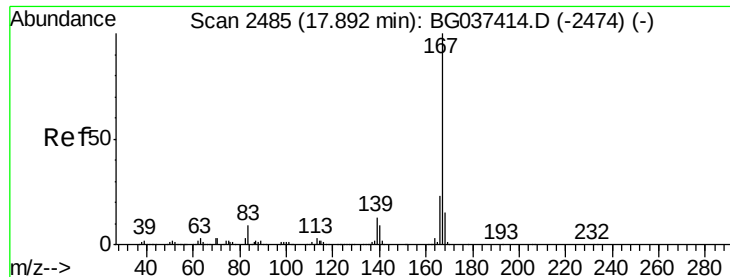


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 4.892 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

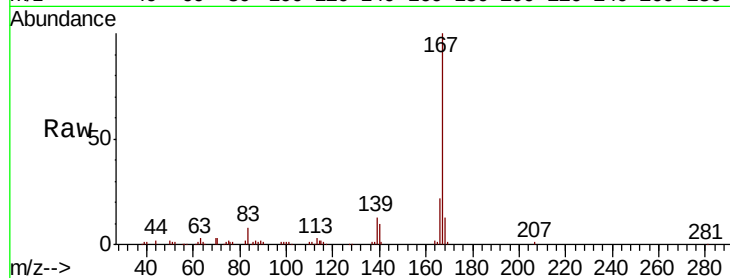
Instrument :

BNA_G

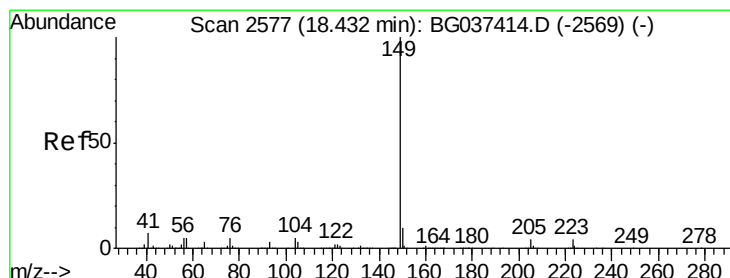
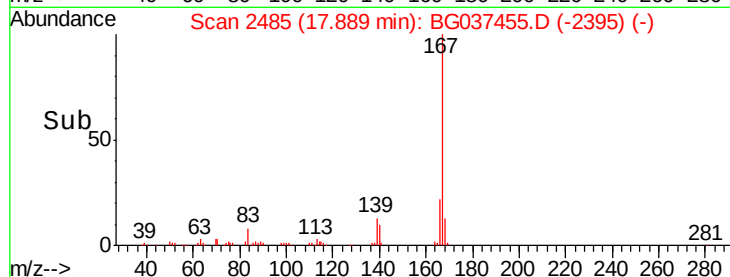
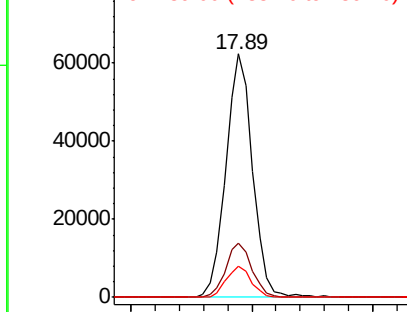
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	167	Resp:	95289
Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.3	27.5
139	12.6	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: 4.867 ng

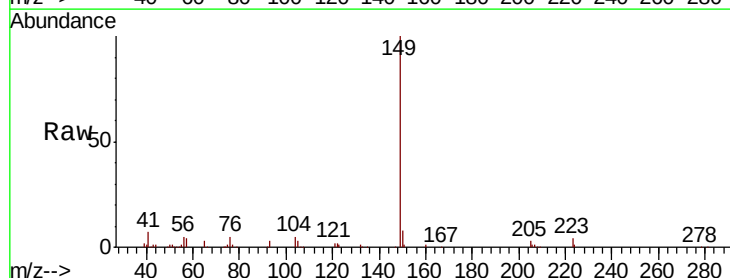
RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

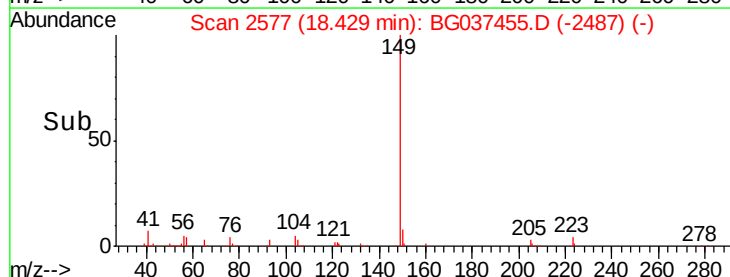
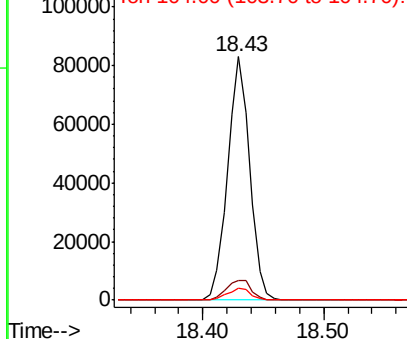
Lab File: BG037455.D

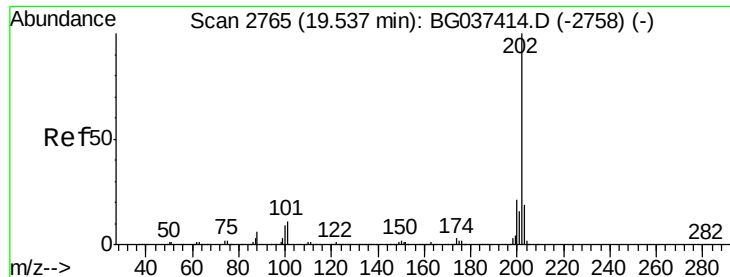
Acq: 19 Oct 2018 15:57

Tgt Ion:	149	Resp:	105443
Ion	Ratio	Lower	Upper
149	100		
150	8.1	8.2	12.2#
104	5.0	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: 5.590 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

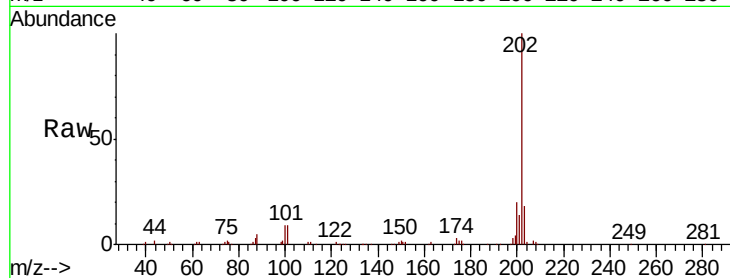
Tgt Ion:202 Resp: 125788

Ion Ratio Lower Upper

202 100

101 8.5 0.0 30.7

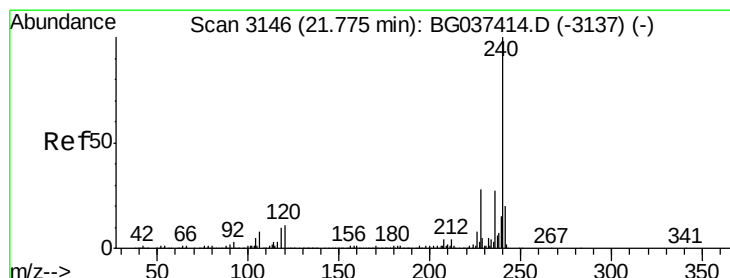
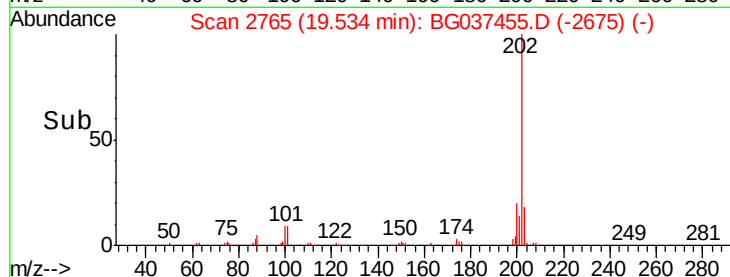
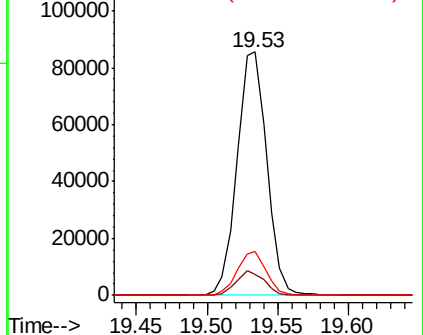
203 18.0 0.0 38.5



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: BG037455.D

Acq: 19 Oct 2018 15:57

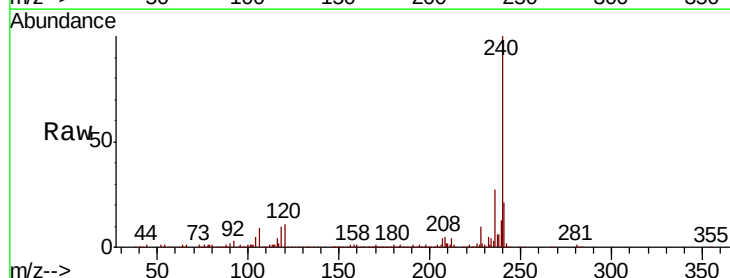
Tgt Ion:240 Resp: 355493

Ion Ratio Lower Upper

240 100

120 11.5 8.1 12.1

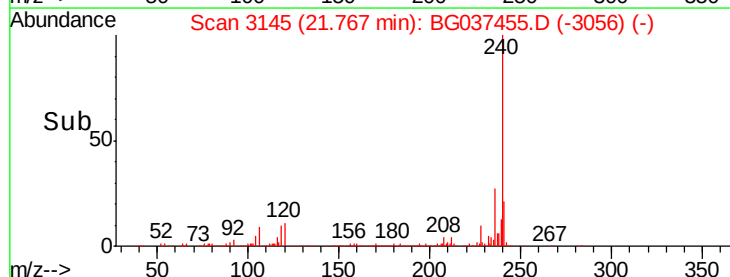
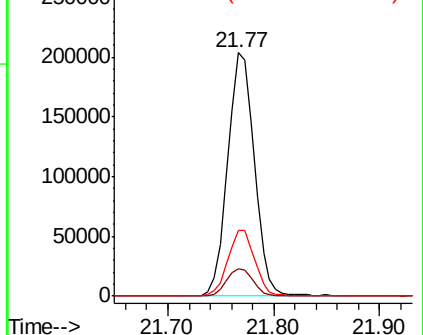
236 27.0 21.4 32.0

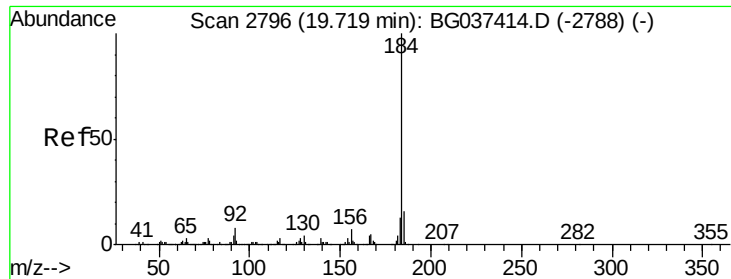


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.067 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

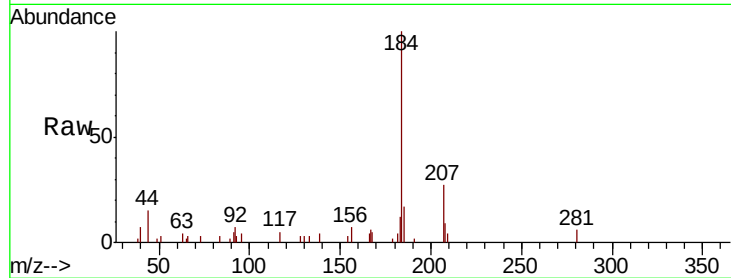
Tgt Ion:184 Resp: 12899

Ion Ratio Lower Upper

184 100

185 16.8 12.6 18.8

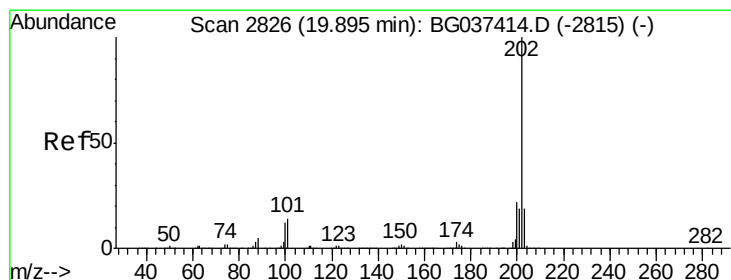
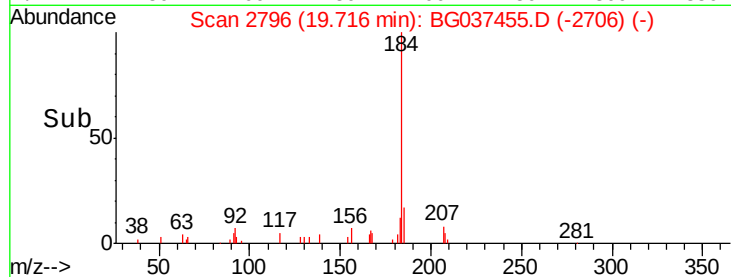
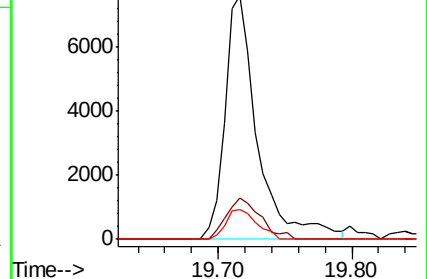
183 12.4 10.2 15.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.496 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

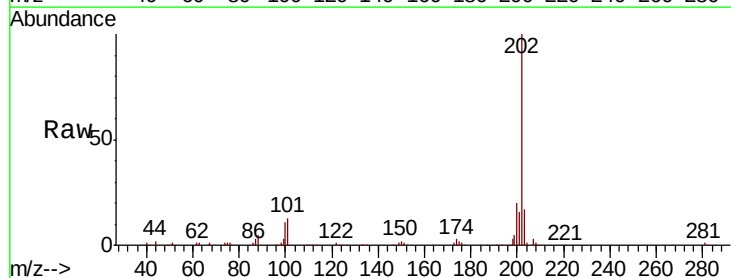
Tgt Ion:202 Resp: 127723

Ion Ratio Lower Upper

202 100

200 20.3 17.8 26.6

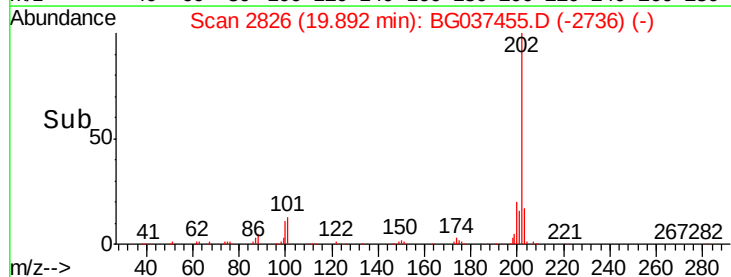
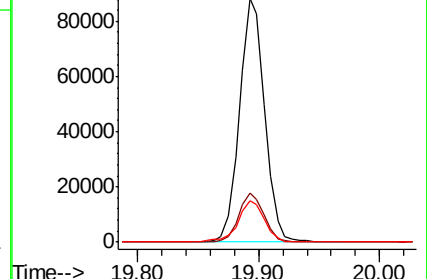
203 17.2 15.2 22.8

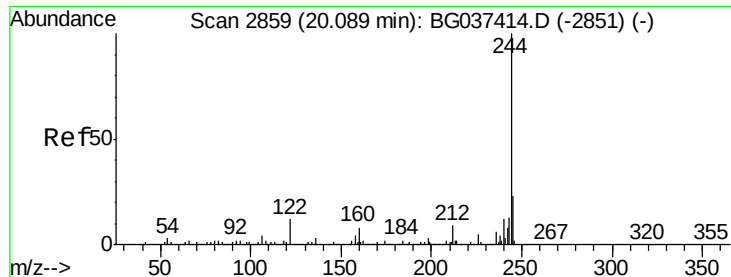


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 78.268 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

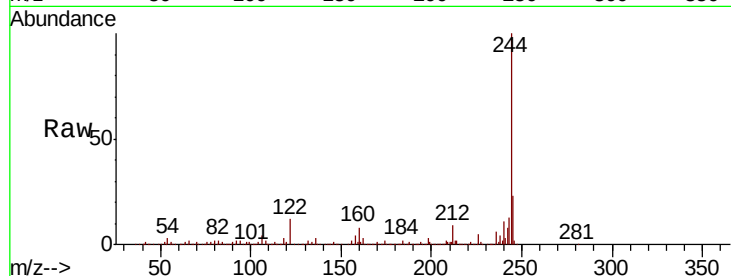
Tgt Ion:244 Resp: 1302144

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

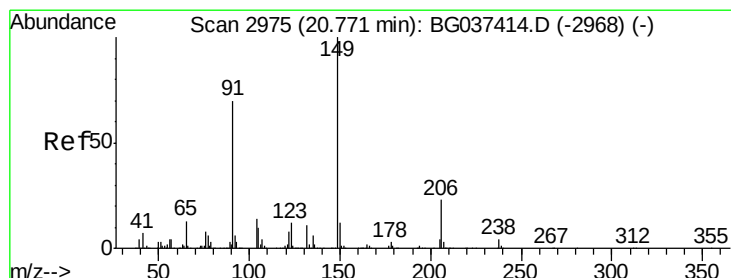
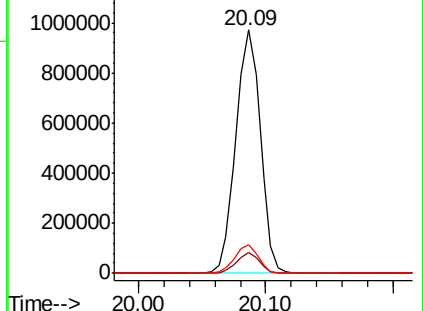
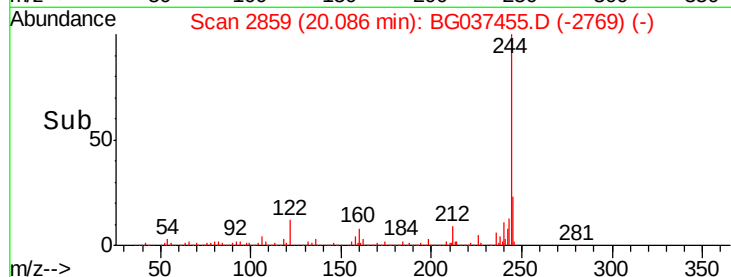
122 11.5 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.323 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

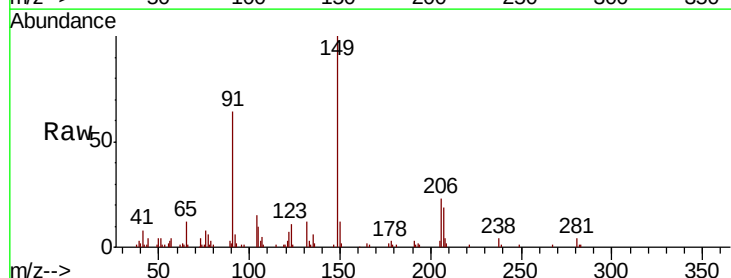
Tgt Ion:149 Resp: 41113

Ion Ratio Lower Upper

149 100

91 63.6 57.0 85.4

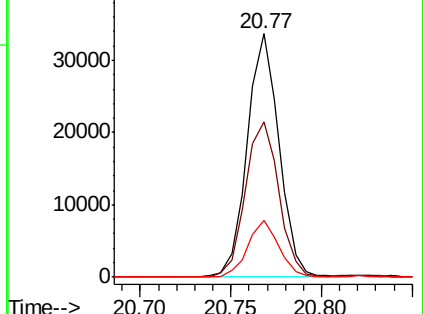
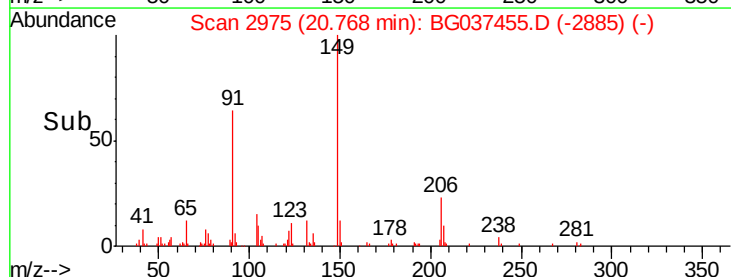
206 23.4 17.8 26.6

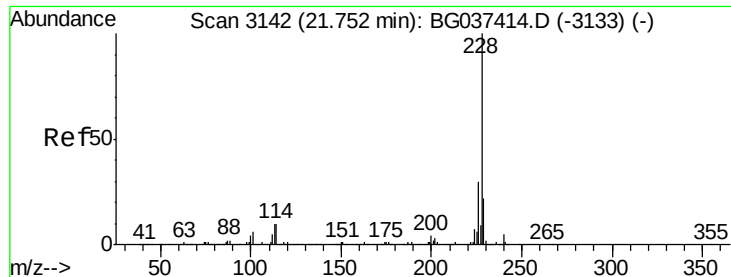


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.569 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

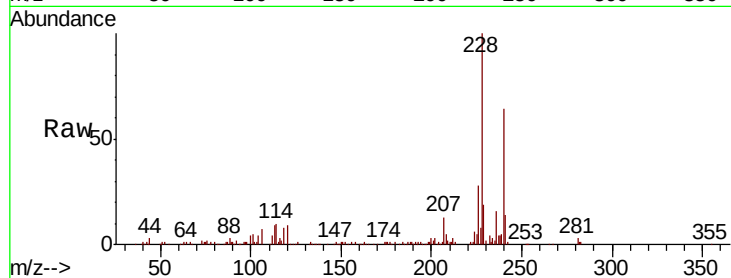
Tgt Ion:228 Resp: 117106

Ion Ratio Lower Upper

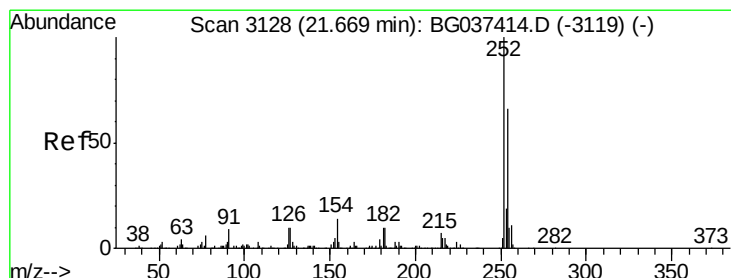
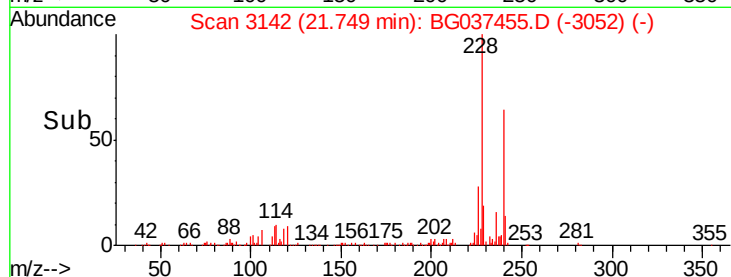
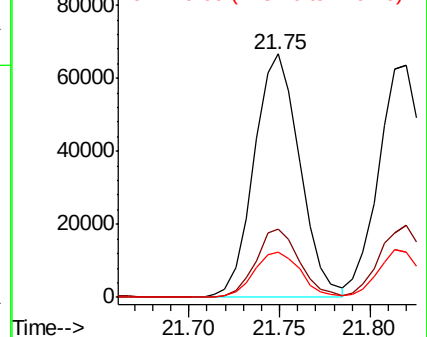
228 100

226 28.0 22.6 33.8

229 18.8 16.3 24.5



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



#82

3,3'-Dichlorobenzidine

Concen: 3.030 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

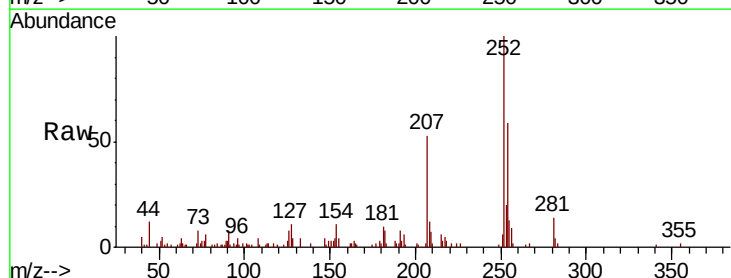
Tgt Ion:252 Resp: 24693

Ion Ratio Lower Upper

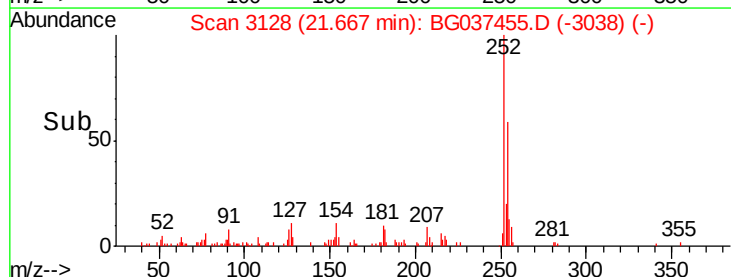
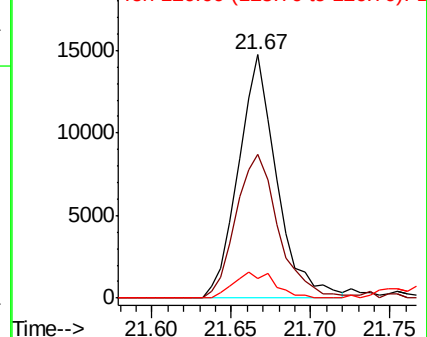
252 100

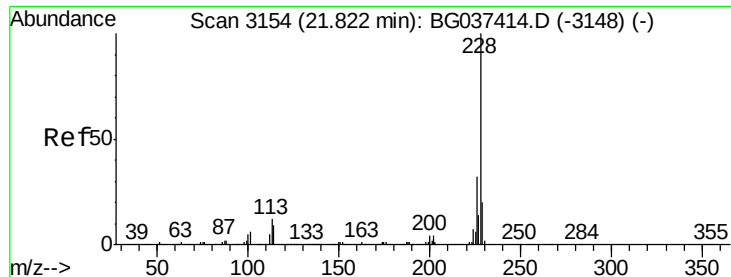
254 59.0 52.0 78.0

126 7.9 8.2 12.4#



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





#83

Chrysene

Concen: 5.480 ng

RT: 21.82 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

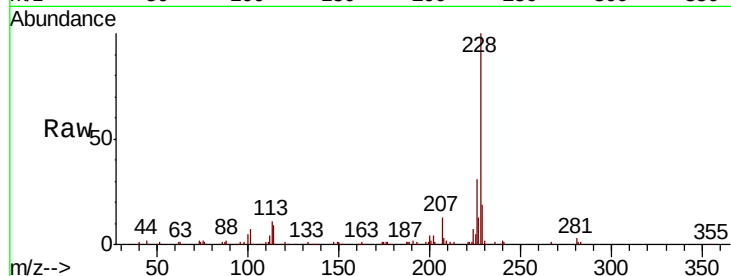
Tgt Ion:228 Resp: 110802

Ion Ratio Lower Upper

228 100

226 30.9 25.7 38.5

229 19.2 16.5 24.7

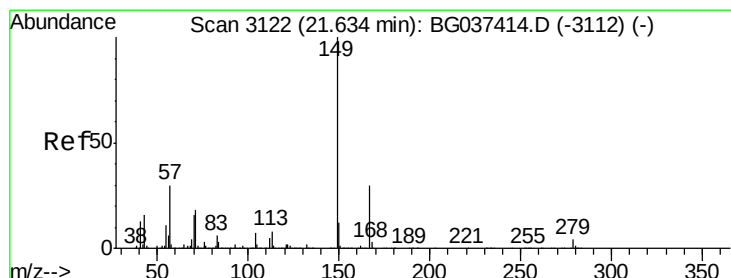
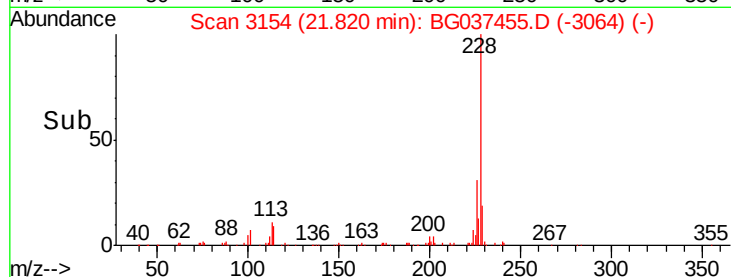
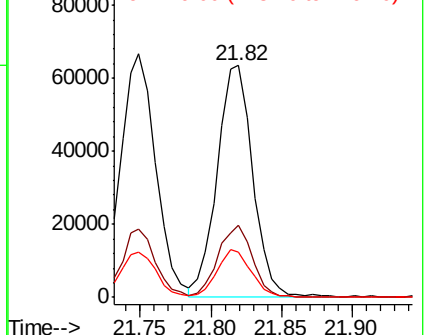


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.449 ng

RT: 21.63 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

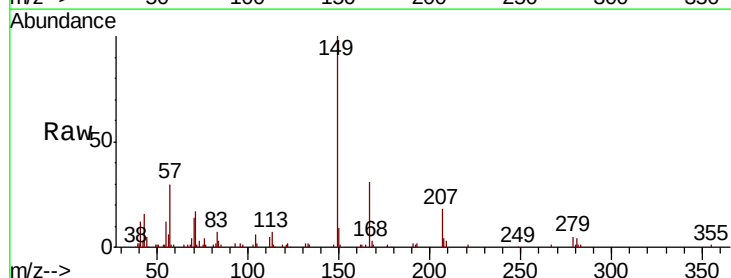
Tgt Ion:149 Resp: 59310

Ion Ratio Lower Upper

149 100

167 31.0 23.0 34.4

279 5.3 3.6 5.4

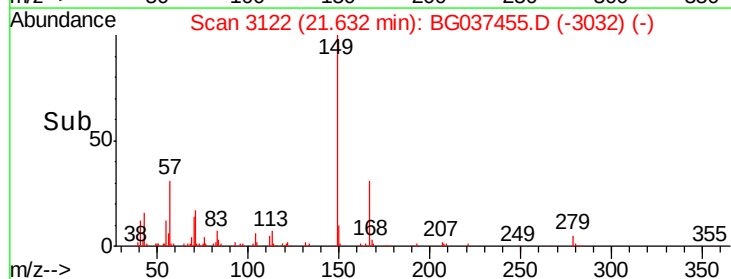
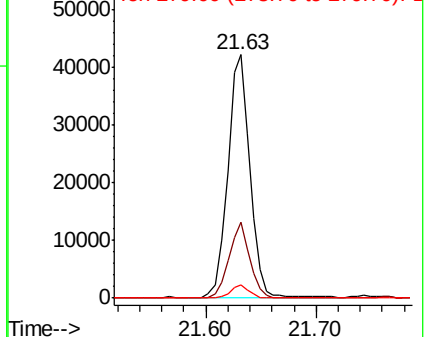


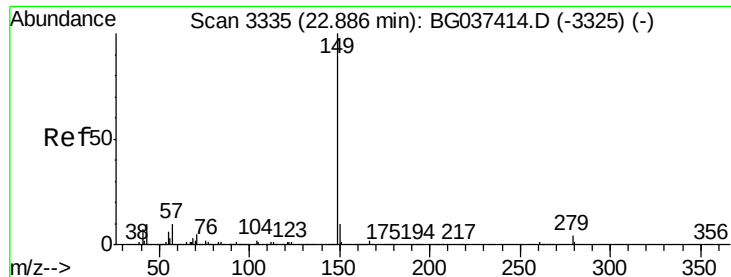
Abundance

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

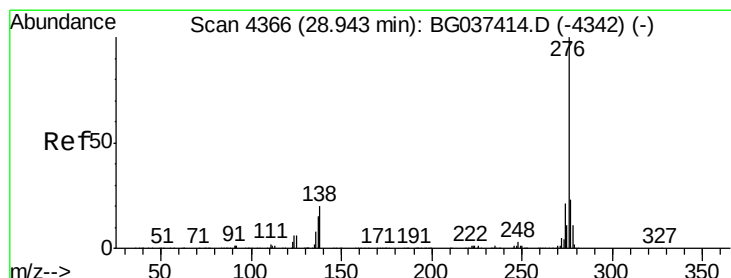
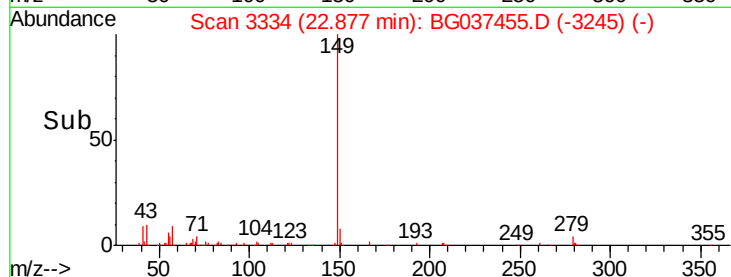
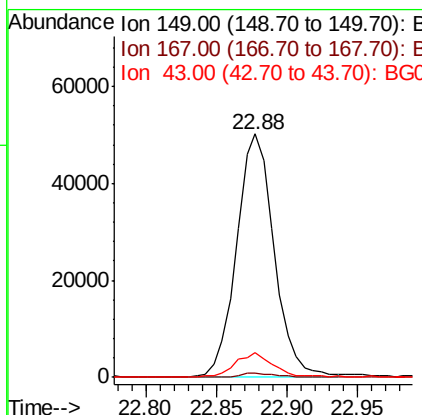
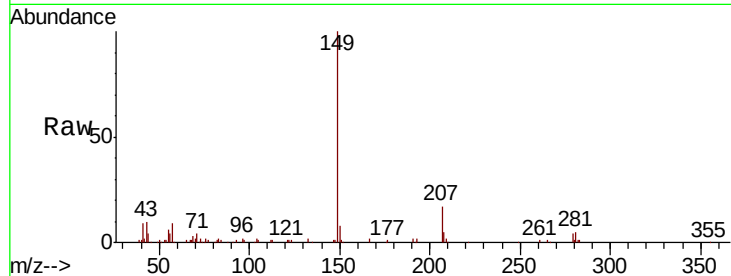




#85
Di-n-octyl phthalate
Concen: 4.305 ng
RT: 22.88 min Scan# 3334
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

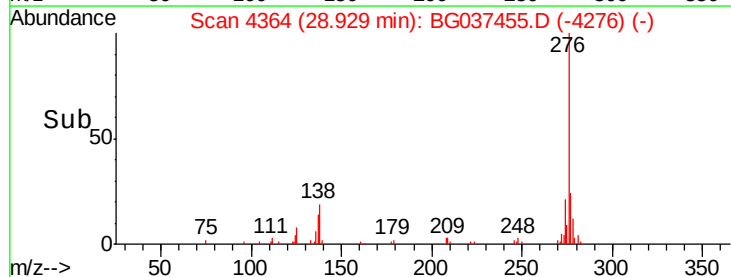
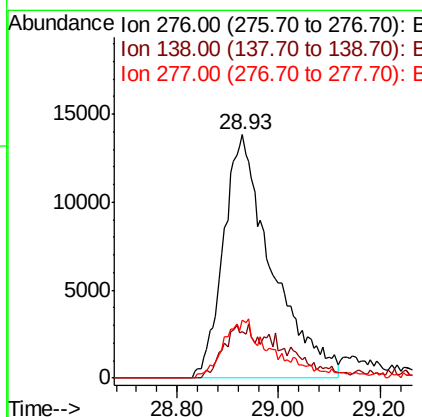
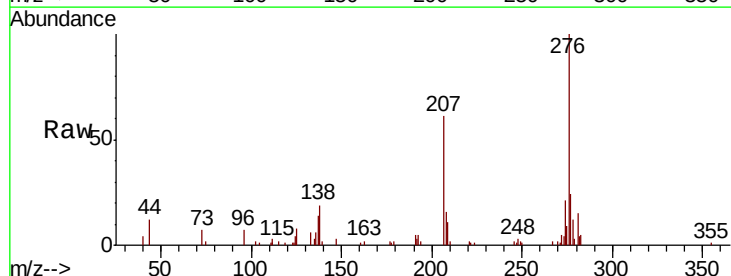
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

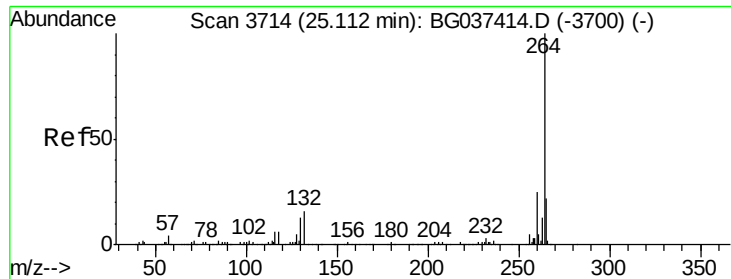
Tgt Ion:149 Resp: 93591
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.5 8.7 13.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.216 ng
RT: 28.93 min Scan# 4364
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:276 Resp: 91430
Ion Ratio Lower Upper
276 100
138 0.0 12.0 18.0#
277 17.0 20.6 30.8#





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

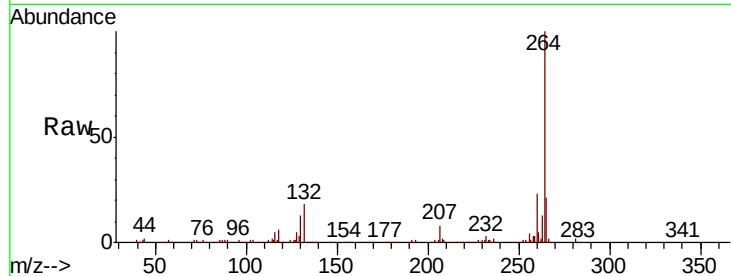
Tgt Ion:264 Resp: 357626

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 21.5 17.9 26.9

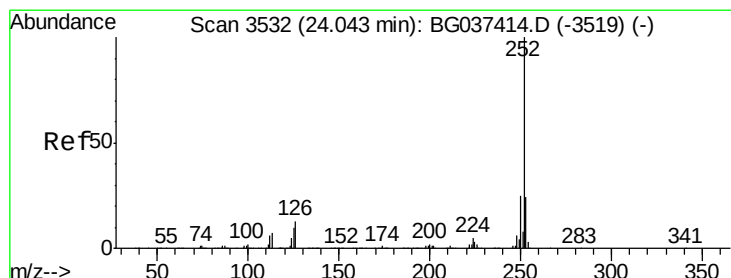
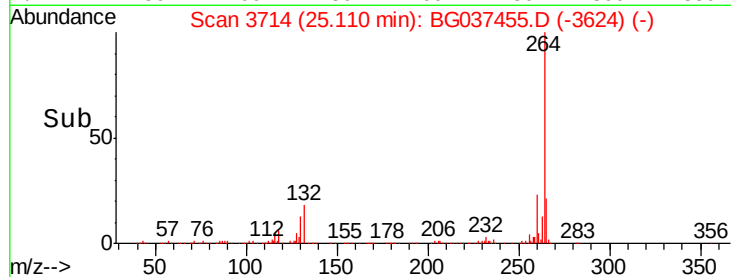
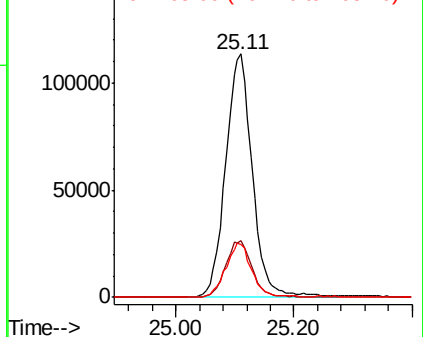


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.304 ng

RT: 24.03 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

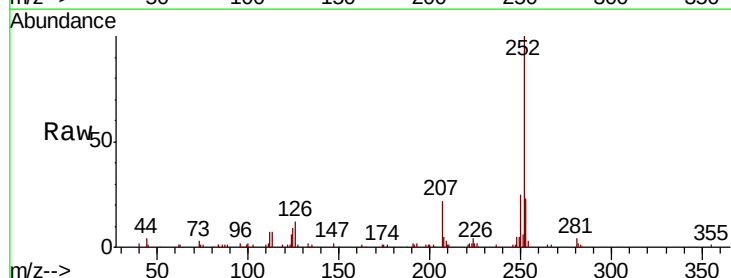
Tgt Ion:252 Resp: 103994

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 9.3 7.8 11.6

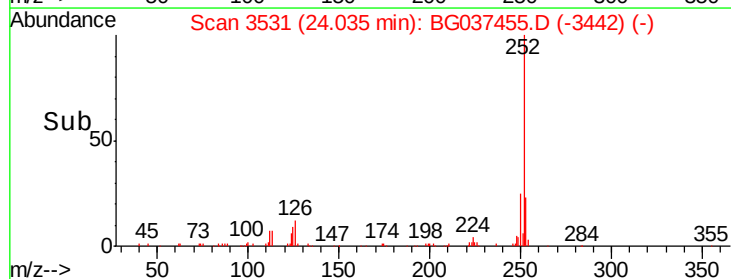
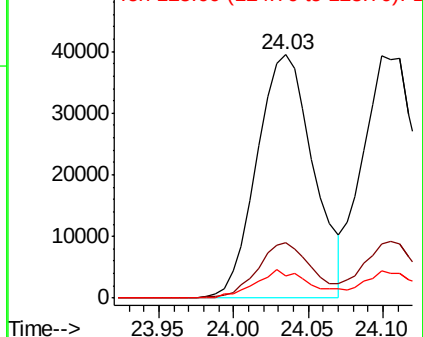


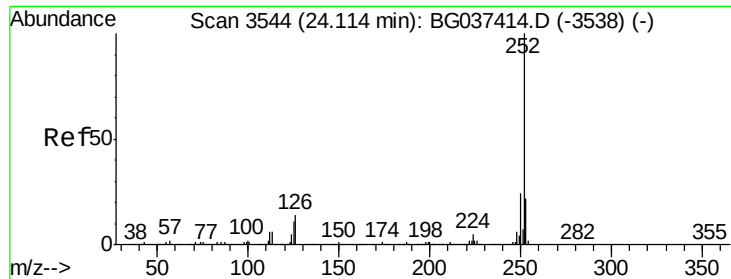
Abundance

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

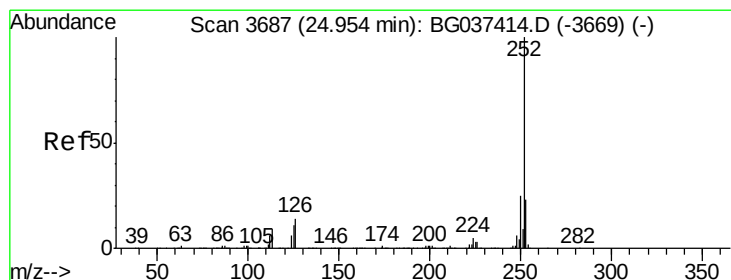
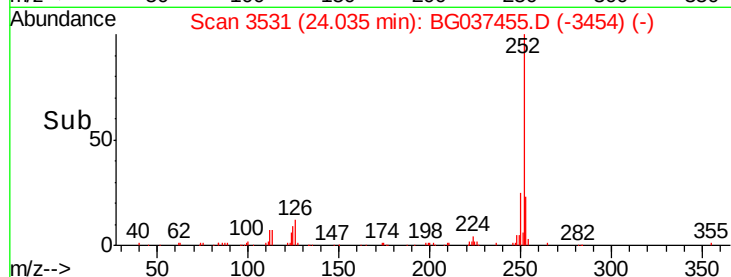
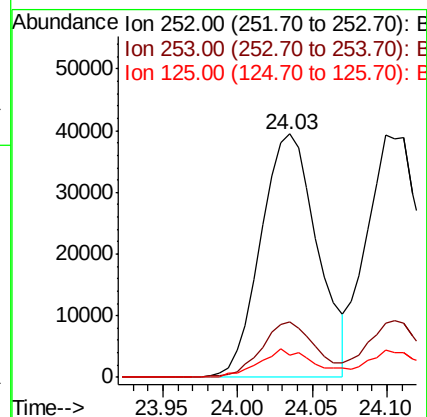
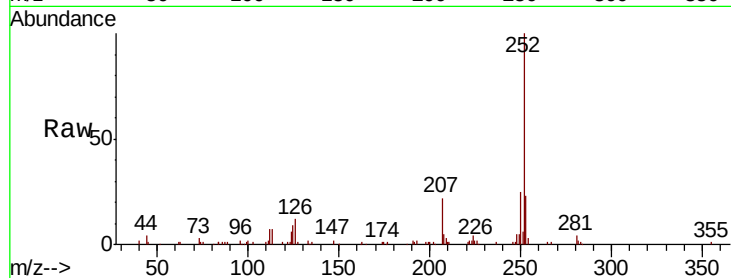




#89
Benzo(k)fluoranthene
Concen: 5.414 ng
RT: 24.03 min Scan# 3531
Delta R.T. -0.08 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

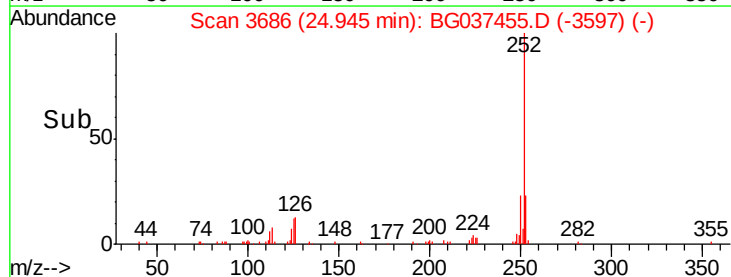
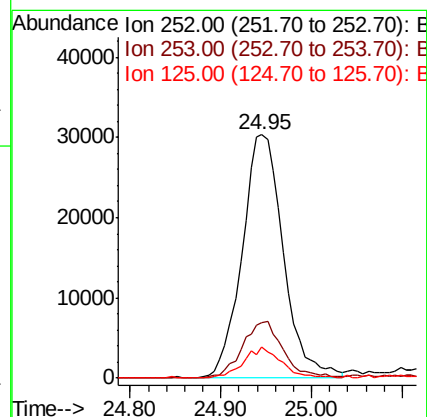
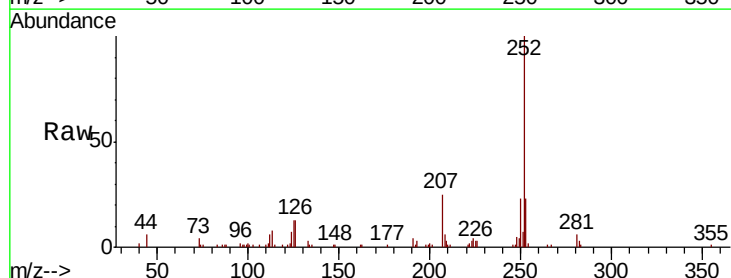
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

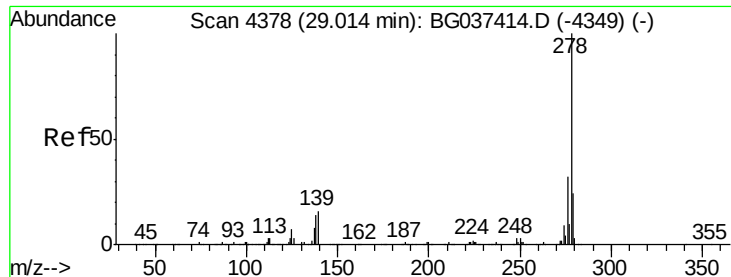
Tgt Ion:252 Resp: 103994
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 9.3 7.4 11.0



#90
Benzo(a)pyrene
Concen: 5.158 ng
RT: 24.95 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:252 Resp: 96092
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 12.8 9.0 13.6

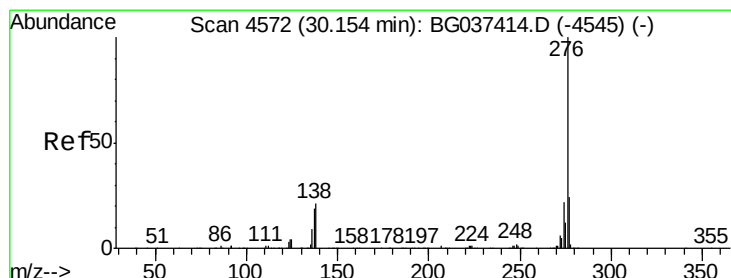
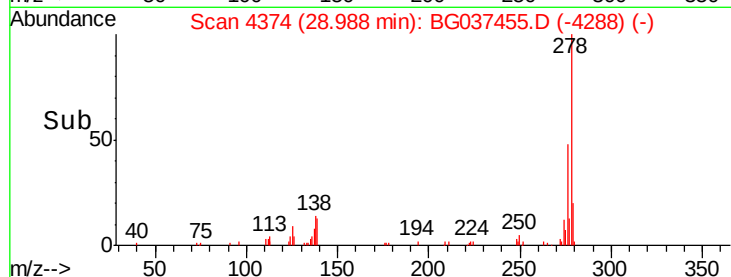
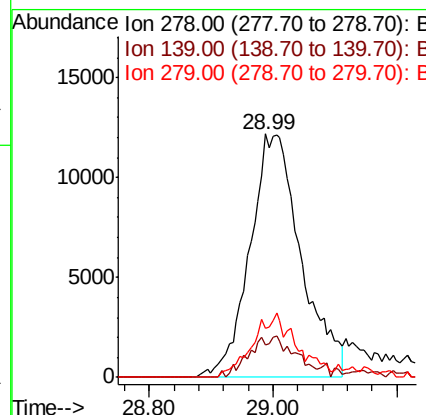
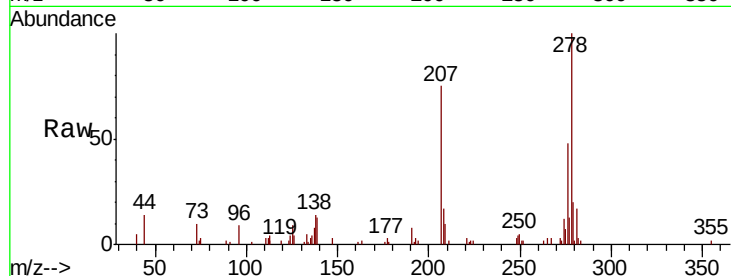




#91
Dibenzo(a,h)anthracene
Concen: 4.074 ng
RT: 28.99 min Scan# 4374
Delta R.T. -0.03 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion: 278 Resp: 70020
Ion Ratio Lower Upper
278 100
139 13.2 11.5 17.3
279 20.1 18.6 27.8



#92
Benzo(g,h,i)perylene
Concen: 4.533 ng
RT: 30.13 min Scan# 4568
Delta R.T. -0.03 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion: 276 Resp: 78808
Ion Ratio Lower Upper
276 100
277 25.2 18.9 28.3
138 21.0 17.2 25.8

