

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037456.D
 Acq On : 19 Oct 2018 16:36
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 8PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 19 23:31:11 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	53626	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	245331	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	164056	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	395711	20.00	ng	0.00
76) Chrysene-d12	21.77	240	369779	20.00	ng	0.00
87) Perylene-d12	25.11	264	366700	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	454286	141.63	ng	0.00
7) Phenol-d6	7.25	99	667104	137.54	ng	0.00
23) Nitrobenzene-d5	9.29	82	367185	83.84	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	251981	140.82	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	895721	82.33	ng	0.00
79) Terphenyl-d14	20.09	244	1344431	77.69	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.53	88	11482	7.059	ng	# 92
3) Pyridine	3.94	79	31898	7.780	ng	90
4) n-Nitrosodimethylamine	3.86	42	13875	9.501	ng	# 78
6) Aniline	7.43	93	34264	5.791	ng	95
8) 2-Chlorophenol	7.67	128	30446	8.114	ng	96
9) Benzaldehyde	7.25	77	21459	7.073	ng	94
10) Phenol	7.27	94	41041	8.020	ng	92
11) bis(2-Chloroethyl)ether	7.52	93	29934	7.702	ng	92
12) 1,3-Dichlorobenzene	7.99	146	32625	7.810	ng	92
13) 1,4-Dichlorobenzene	8.15	146	32853	7.688	ng	96
14) 1,2-Dichlorobenzene	8.46	146	31302	7.615	ng	96
15) Benzyl Alcohol	8.35	79	26678	7.444	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.63	45	56093	8.066	ng	95
17) 2-Methylphenol	8.53	107	26977	7.974	ng	95
18) Hexachloroethane	9.19	117	11587	7.954	ng	97
19) n-Nitroso-di-n-propylamine	8.91	70	24521	7.342	ng	95
20) 3+4-Methylphenols	8.86	107	37026	7.654	ng	96
22) Acetophenone	8.93	105	49742	8.084	ng	# 95
24) Nitrobenzene	9.32	77	37112	8.157	ng	100
25) Isophorone	9.84	82	69172	8.644	ng	99
26) 2-Nitrophenol	10.03	139	14534	7.091	ng	94
27) 2,4-Dimethylphenol	10.07	122	32270	8.818	ng	96
28) bis(2-Chloroethoxy)methane	10.33	93	42525	8.111	ng	97
29) 2,4-Dichlorophenol	10.57	162	30226	7.418	ng	97
30) 1,2,4-Trichlorobenzene	10.78	180	34071	7.690	ng	97
31) Naphthalene	10.98	128	102423	8.500	ng	97
32) Benzoic acid	10.13	122	8197	3.449	ng	87
33) 4-Chloroaniline	11.09	127	30248	5.342	ng	94
34) Hexachlorobutadiene	11.24	225	19757	7.523	ng	95
35) Caprolactam	11.85	113	10428	6.382	ng	96
36) 4-Chloro-3-methylphenol	12.18	107	34863	7.587	ng	98
37) 2-Methylnaphthalene	12.58	142	79763	9.081	ng	97
38) 1-Methylnaphthalene	12.79	142	73349	8.598	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	40555	7.664	ng	97

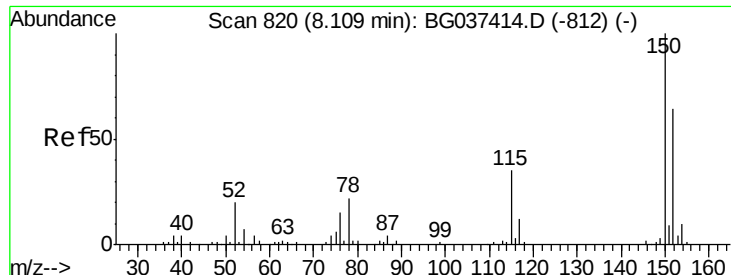
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037456.D
 Acq On : 19 Oct 2018 16:36
 Operator : JU/SJ
 Sample : J5164-03
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	20815	8.235	ng	96
43) 2,4,6-Trichlorophenol	13.24	196	29329	8.296	ng	98
44) 2,4,5-Trichlorophenol	13.24	196	29329	7.620	ng	96
46) 1,1'-Biphenyl	13.58	154	103478	7.616	ng	98
47) 2-Chloronaphthalene	13.62	162	83226	8.097	ng	95
48) 2-Nitroaniline	13.83	65	22367	7.176	ng	95
49) Acenaphthylene	14.46	152	135409	8.757	ng	99
50) Dimethylphthalate	14.19	163	108044	8.513	ng	99
51) 2,6-Dinitrotoluene	14.32	165	21660	7.715	ng	96
52) Acenaphthene	14.80	154	77529	8.141	ng	99
53) 3-Nitroaniline	14.65	138	18907	6.066	ng	92
54) 2,4-Dinitrophenol	14.85	184	1847	8.917	ng	91
55) Dibenzofuran	15.13	168	133404	8.455	ng	100
56) 4-Nitrophenol	14.93	139	12557	5.443	ng	91
57) 2,4-Dinitrotoluene	15.10	165	28115	7.629	ng	# 99
58) Fluorene	15.78	166	103957	8.799	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.36	232	24239	7.355	ng	96
60) Diethylphthalate	15.54	149	107482	8.249	ng	99
61) 4-Chlorophenyl-phenylether	15.77	204	55432	8.049	ng	96
62) 4-Nitroaniline	15.80	138	21519	6.948	ng	93
63) Azobenzene	16.07	77	105288	8.469	ng	98
65) 4,6-Dinitro-2-methylphenol	15.85	198	6826	11.212	ng	91
66) n-Nitrosodiphenylamine	15.99	169	94511	7.940	ng	99
67) 4-Bromophenyl-phenylether	16.67	248	32383	7.452	ng	97
68) Hexachlorobenzene	16.78	284	34133	7.579	ng	99
69) Atrazine	16.92	200	32214	7.485	ng	98
70) Pentachlorophenol	17.12	266	11738	3.891	ng	92
71) Phenanthrene	17.53	178	178524	8.877	ng	97
72) Anthracene	17.62	178	178289	9.034	ng	98
73) Carbazole	17.89	167	156048	7.904	ng	96
74) Di-n-butylphthalate	18.43	149	176905	8.055	ng	99
75) Fluoranthene	19.53	202	200675	8.798	ng	99
77) Benzidine	19.72	184	21876	1.740	ng	95
78) Pyrene	19.89	202	204312	8.452	ng	96
80) Butylbenzylphthalate	20.77	149	71373	7.214	ng	96
81) Benzo(a)anthracene	21.75	228	188008	8.596	ng	99
82) 3,3'-Dichlorobenzidine	21.67	252	42977	5.069	ng	95
83) Chrysene	21.82	228	176546	8.394	ng	99
84) Bis(2-ethylhexyl)phthalate	21.63	149	99747	7.193	ng	99
85) Di-n-octyl phthalate	22.88	149	160483	7.097	ng	97
86) Indeno(1,2,3-cd)pyrene	28.92	276	151305	6.707	ng	# 75
88) Benzo(b)fluoranthene	24.03	252	166917	8.303	ng	96
89) Benzo(k)fluoranthene	24.10	252	170059	8.634	ng	97
90) Benzo(a)pyrene	24.94	252	158273	8.285	ng	96
91) Dibenzo(a,h)anthracene	29.00	278	123652	7.017	ng	98
92) Benzo(g,h,i)perylene	30.12	276	133376	7.481	ng	97

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

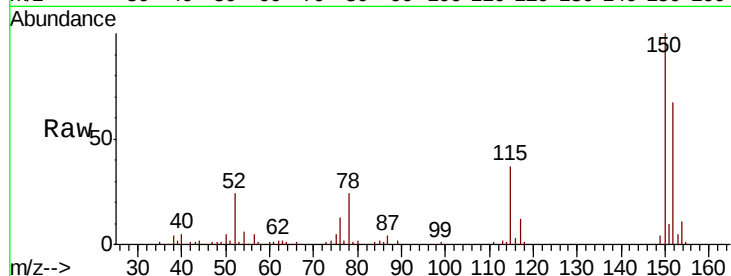


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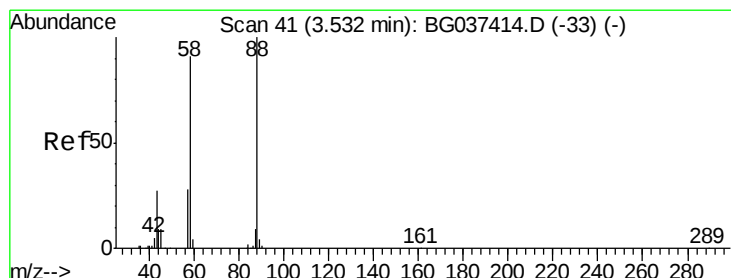
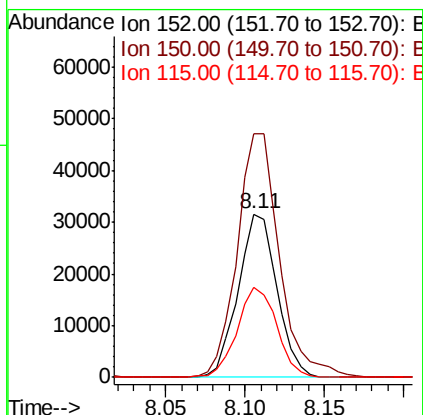
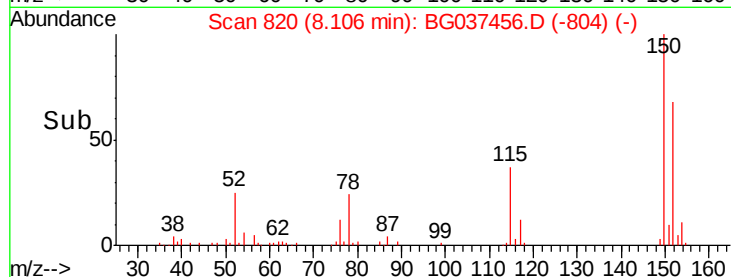
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion:152 Resp: 53626
Ion Ratio Lower Upper
152 100
150 149.4 126.0 189.0
115 54.8 45.5 68.3



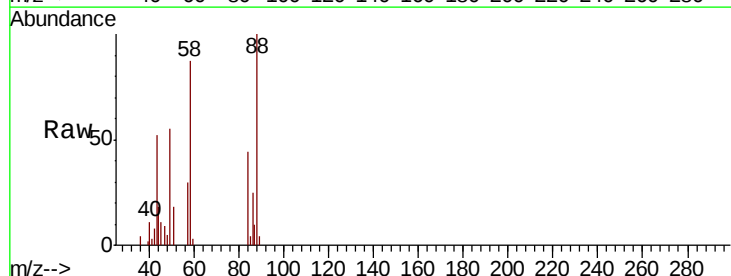
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



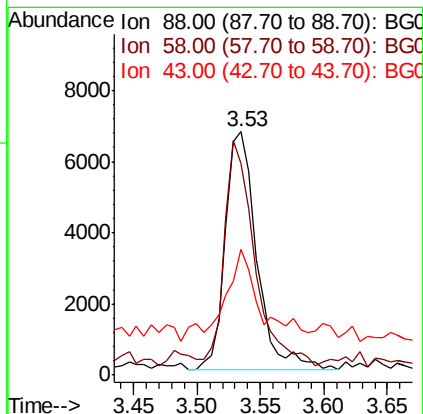
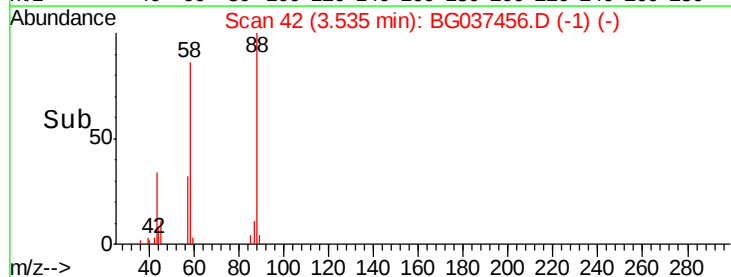
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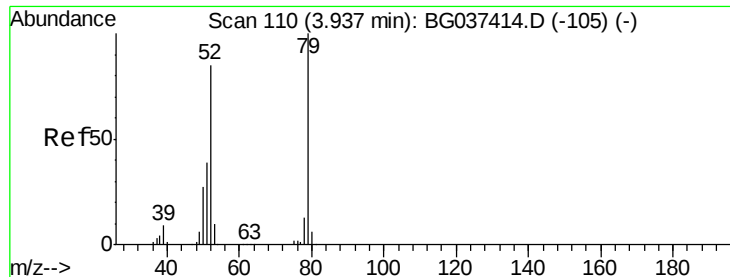
1,4-Dioxane
Concen: 7.059 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion: 88 Resp: 11482
Ion Ratio Lower Upper
88 100
58 90.3 74.4 111.6
43 45.4 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: 7.780 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

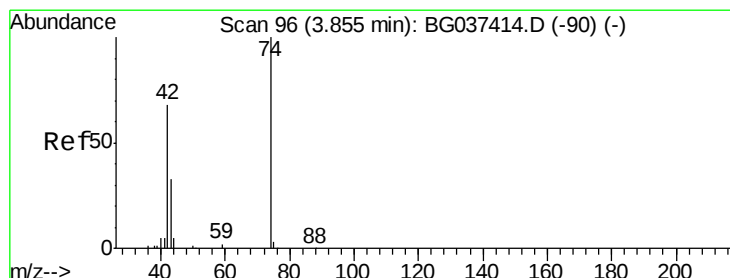
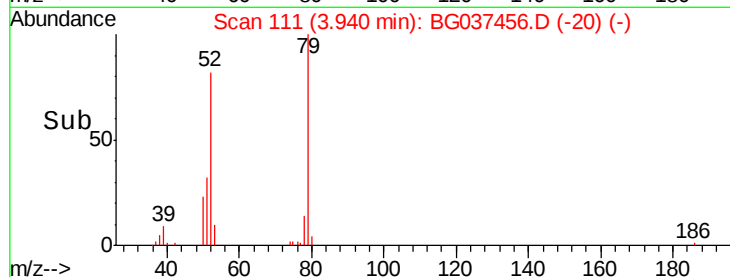
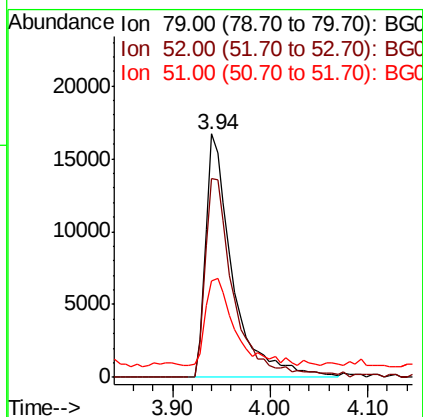
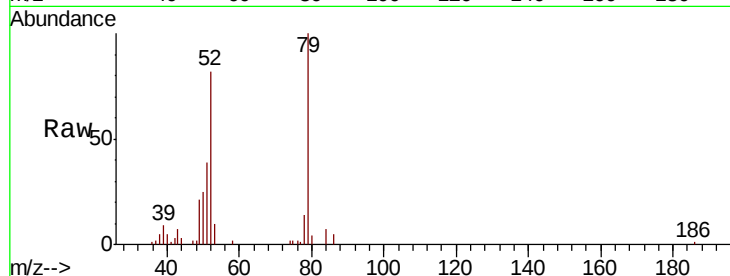
Tgt Ion: 79 Resp: 31898

Ion Ratio Lower Upper

79 100

52 81.7 74.2 111.2

51 39.4 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 9.501 ng

RT: 3.86 min Scan# 97

Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

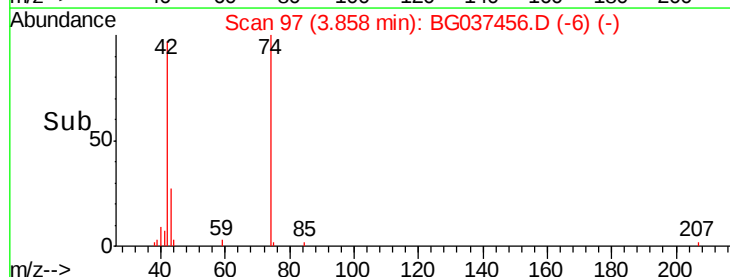
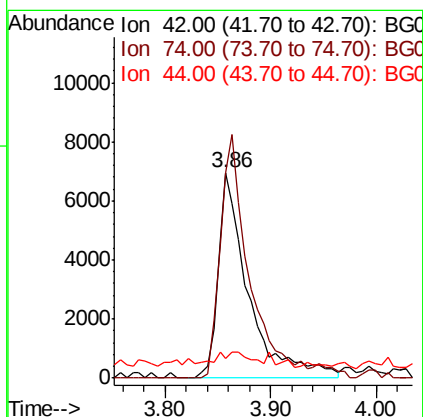
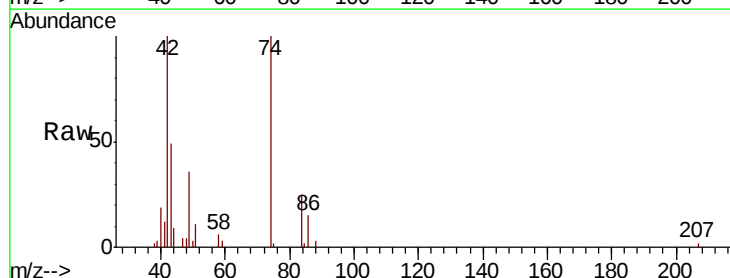
Tgt Ion: 42 Resp: 13875

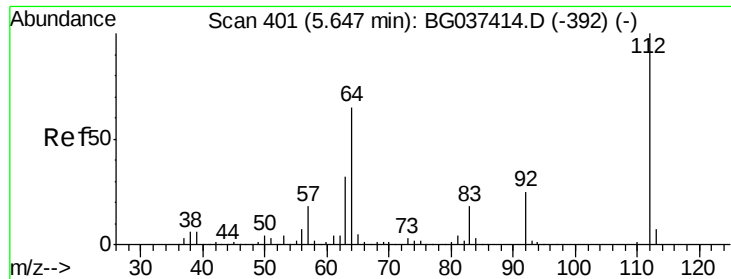
Ion Ratio Lower Upper

42 100

74 100.3 102.0 153.0#

44 9.5 9.6 14.4#





#5

2-Fluorophenol

Concen: 141.629 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

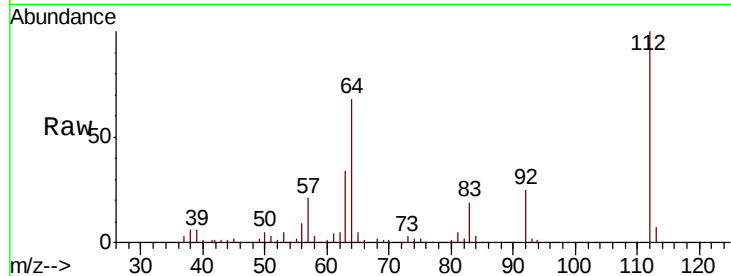
Tgt Ion: 112 Resp: 454286

Ion Ratio Lower Upper

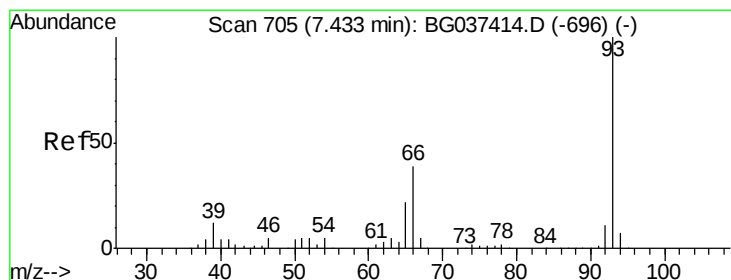
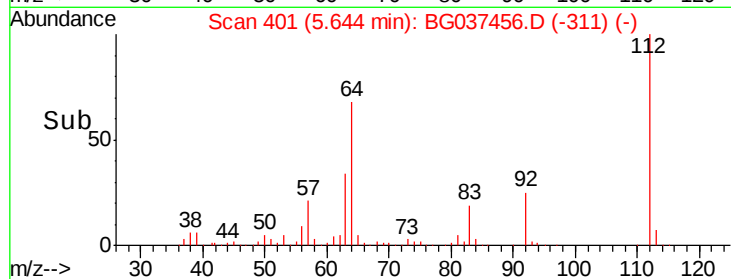
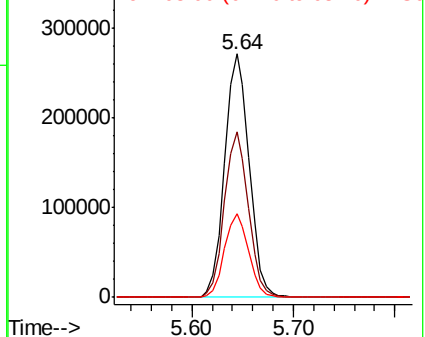
112 100

64 67.8 53.1 79.7

63 34.5 27.3 40.9



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



#6

Aniline

Concen: 5.791 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

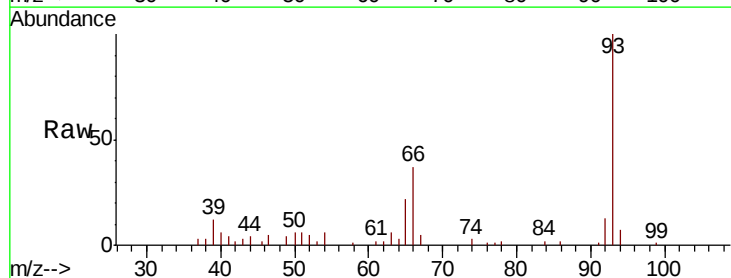
Tgt Ion: 93 Resp: 34264

Ion Ratio Lower Upper

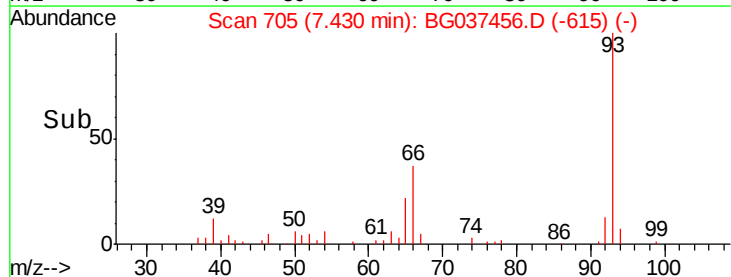
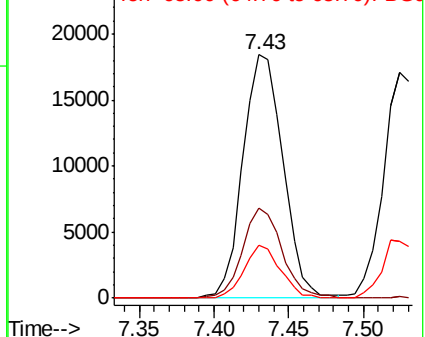
93 100

66 37.0 32.8 49.2

65 21.7 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: 137.540 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

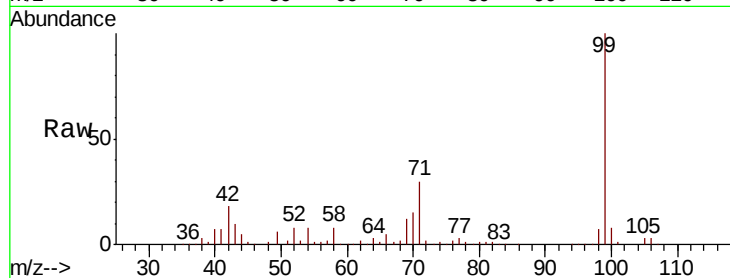
Tgt Ion: 99 Resp: 667104

Ion Ratio Lower Upper

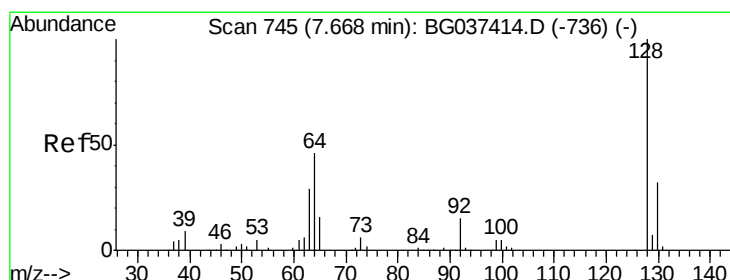
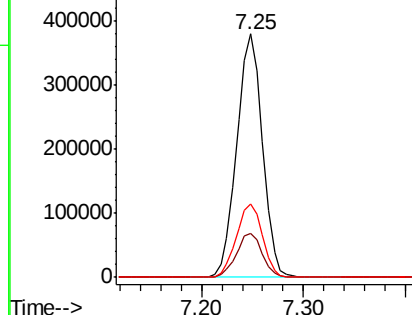
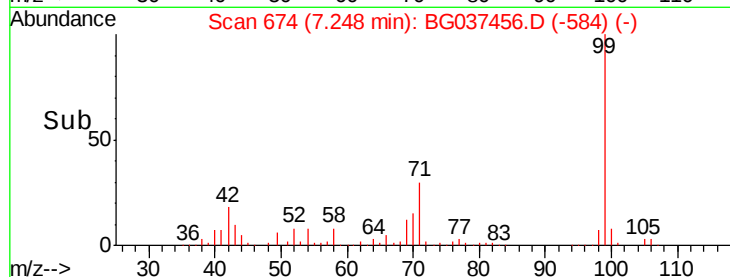
99 100

42 17.9 15.0 22.4

71 30.4 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: 8.114 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

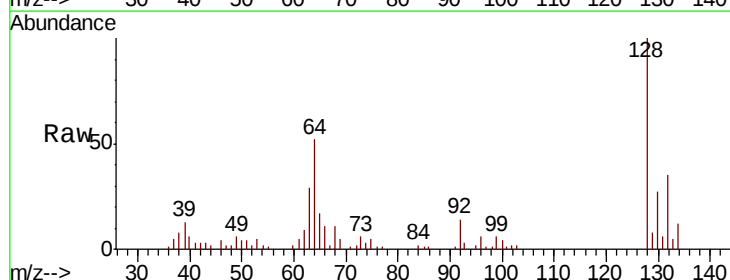
Tgt Ion: 128 Resp: 30446

Ion Ratio Lower Upper

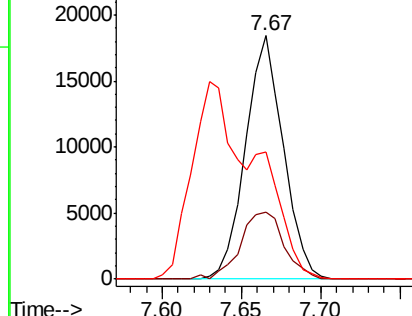
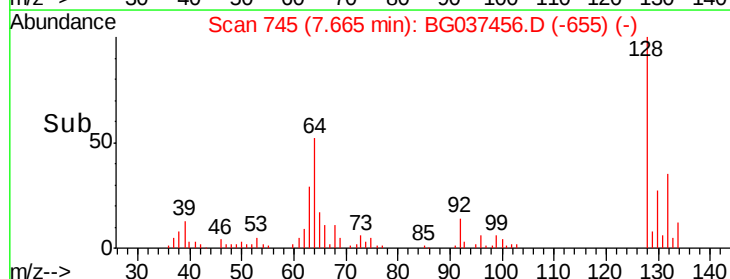
128 100

130 27.3 12.0 52.0

64 52.0 32.9 72.9



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





#9

Benzaldehyde

Concen: 7.073 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

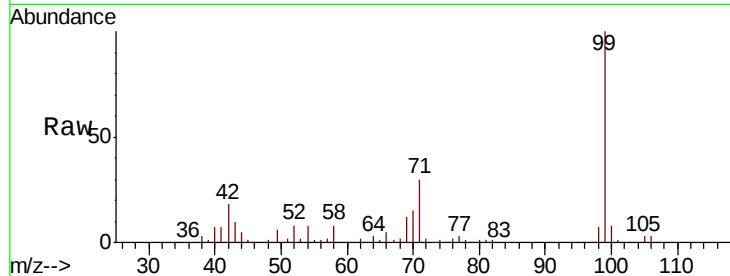
Tgt Ion: 77 Resp: 21459

Ion Ratio Lower Upper

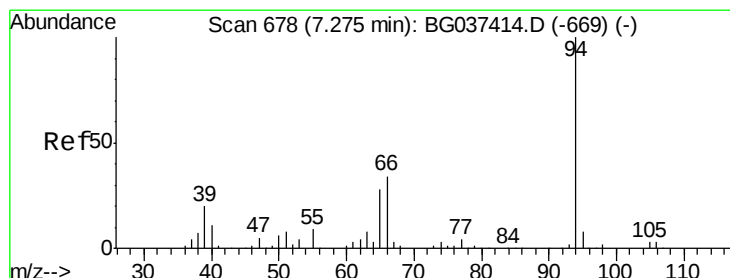
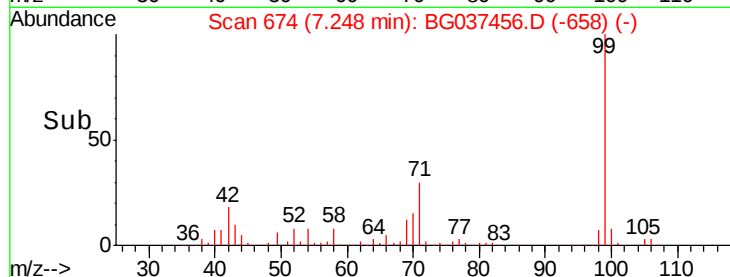
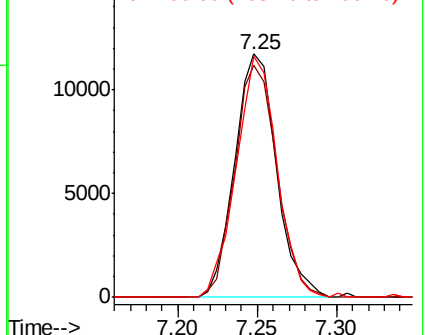
77 100

105 95.4 72.6 112.6

106 99.2 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: 8.020 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

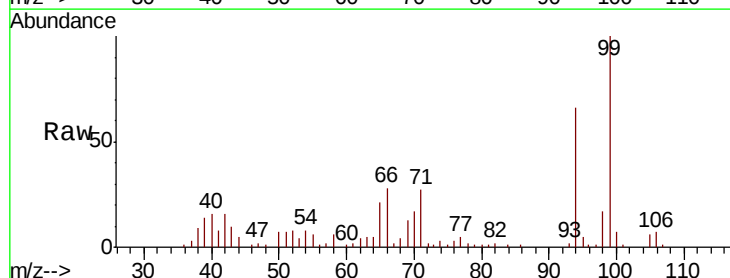
Tgt Ion: 94 Resp: 41041

Ion Ratio Lower Upper

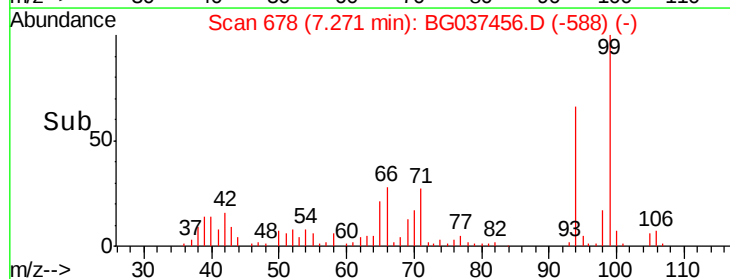
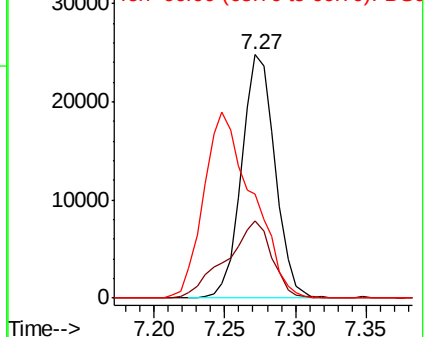
94 100

65 31.7 9.7 49.7

66 42.7 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

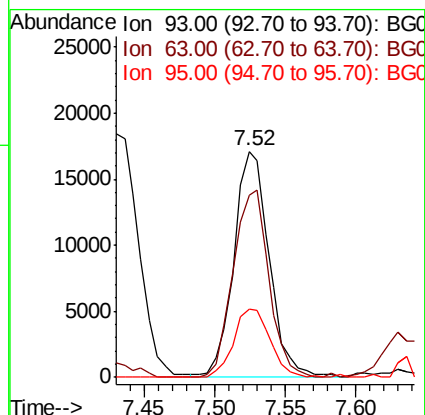
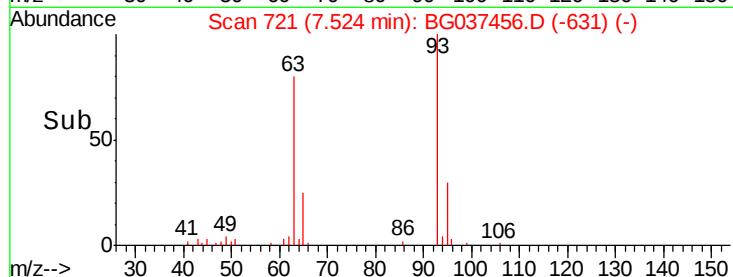
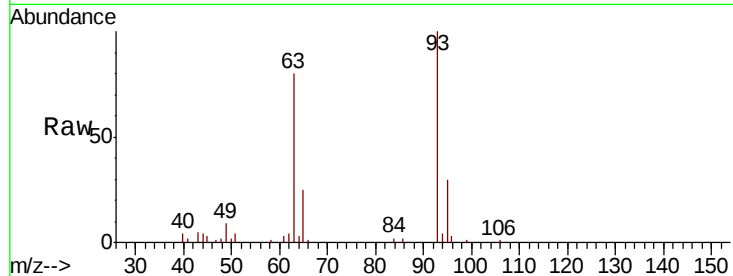




#11
bis(2-Chloroethyl)ether
Concen: 7.702 ng
RT: 7.52 min Scan# 721
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

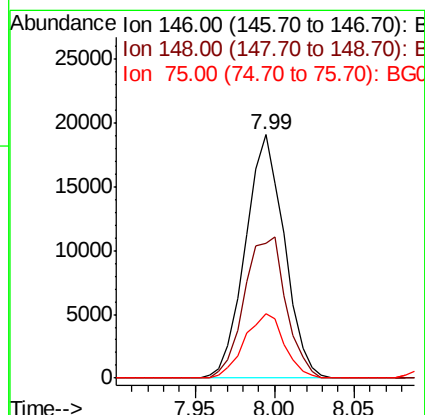
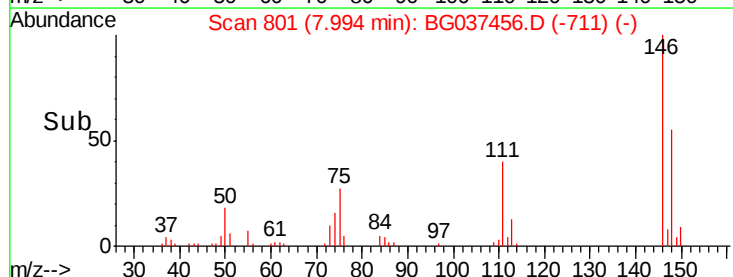
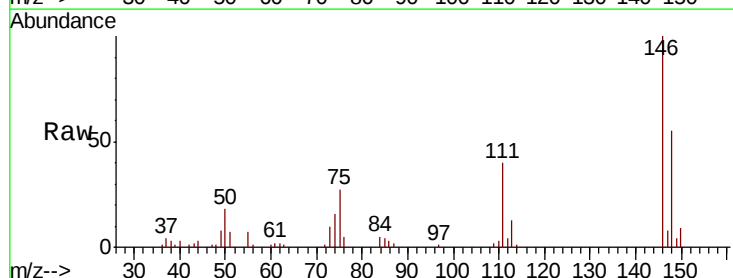
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 93 Resp: 29934
Ion Ratio Lower Upper
93 100
63 80.4 69.5 109.5
95 30.1 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 7.810 ng
RT: 7.99 min Scan# 801
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion: 146 Resp: 32625
Ion Ratio Lower Upper
146 100
148 55.2 49.8 74.8
75 26.7 23.2 34.8

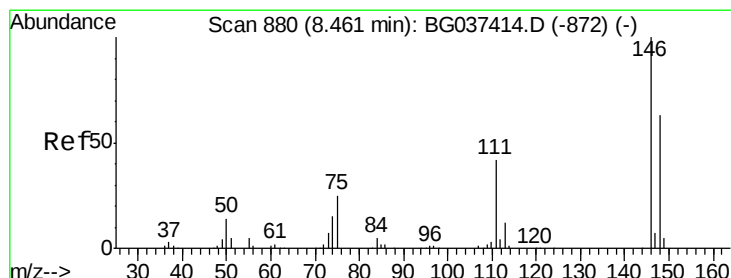
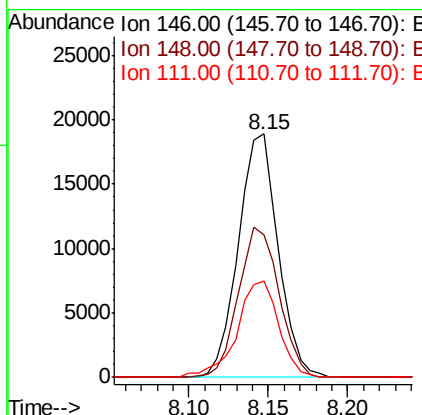
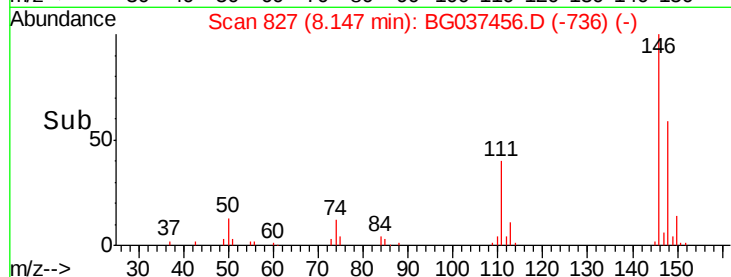
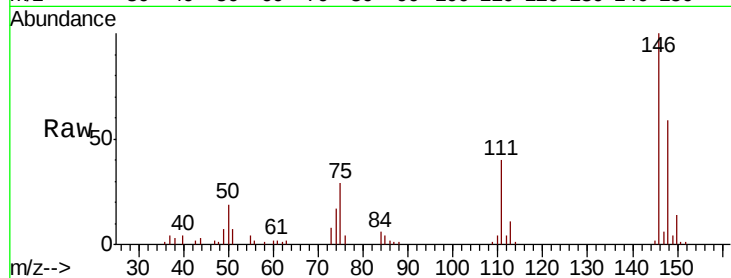




#13
 1,4-Dichlorobenzene
 Concen: 7.688 ng
 RT: 8.15 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

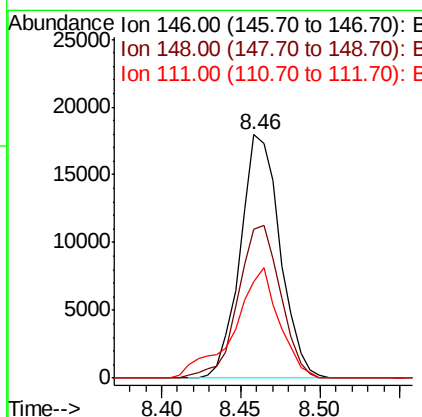
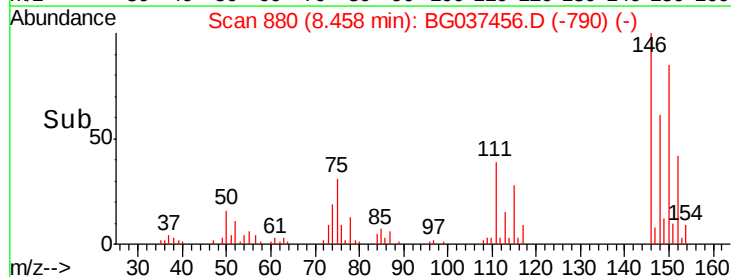
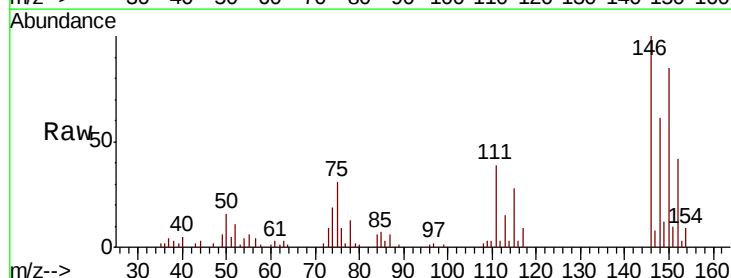
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:146 Resp: 32853
 Ion Ratio Lower Upper
 146 100
 148 58.6 51.0 76.6
 111 39.8 32.4 48.6



#14
 1,2-Dichlorobenzene
 Concen: 7.615 ng
 RT: 8.46 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion:146 Resp: 31302
 Ion Ratio Lower Upper
 146 100
 148 61.1 50.4 75.6
 111 39.5 34.6 51.8





#15

Benzyl Alcohol

Concen: 7.444 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

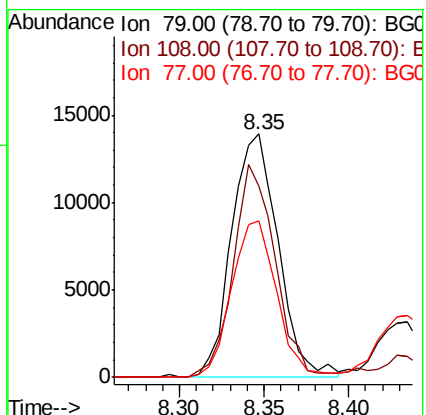
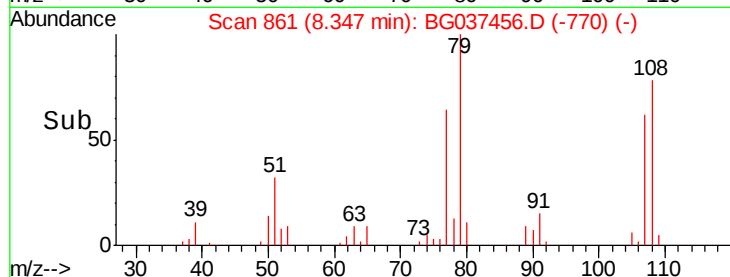
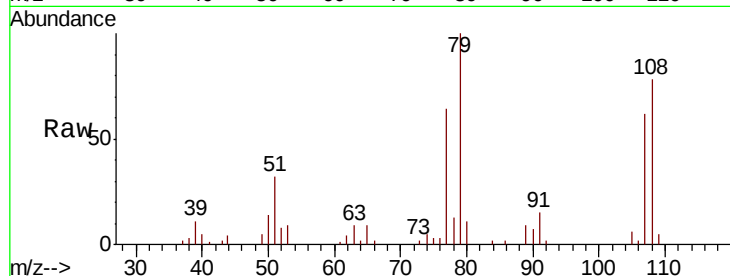
Tgt Ion: 79 Resp: 26678

Ion Ratio Lower Upper

79 100

108 78.3 65.8 98.8

77 64.3 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.066 ng

RT: 8.63 min Scan# 910

Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

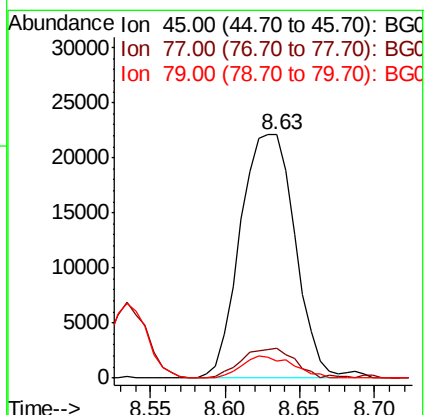
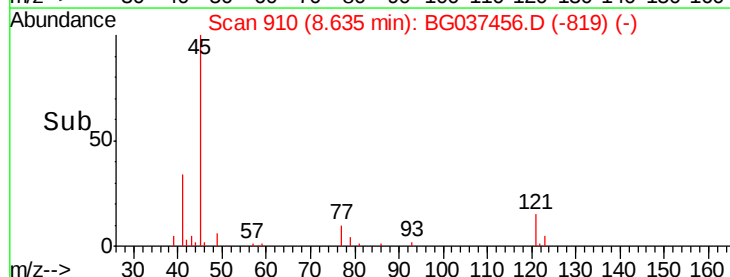
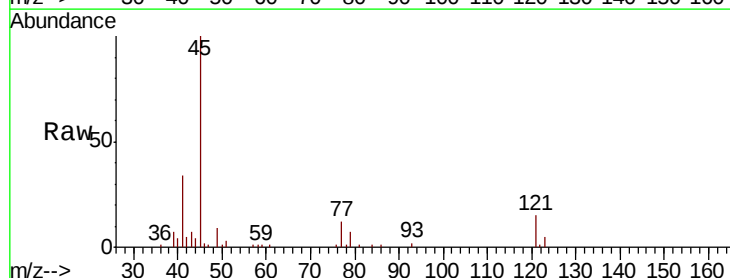
Tgt Ion: 45 Resp: 56093

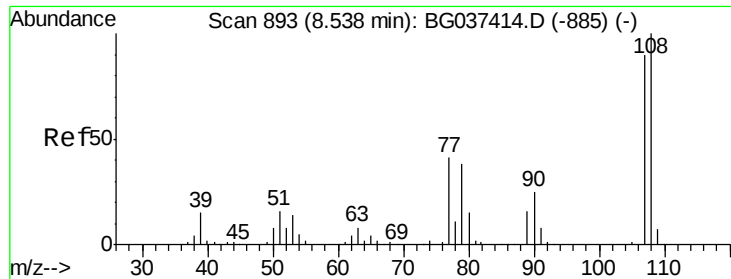
Ion Ratio Lower Upper

45 100

77 12.0 0.0 30.0

79 7.2 0.0 29.0

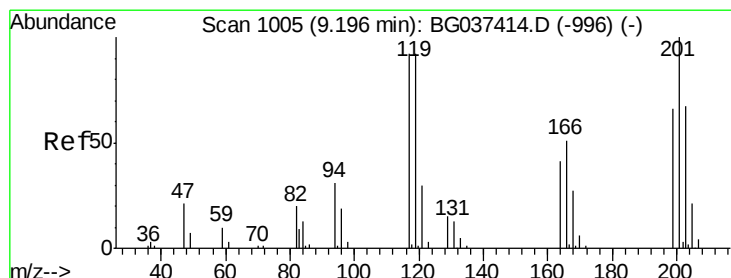
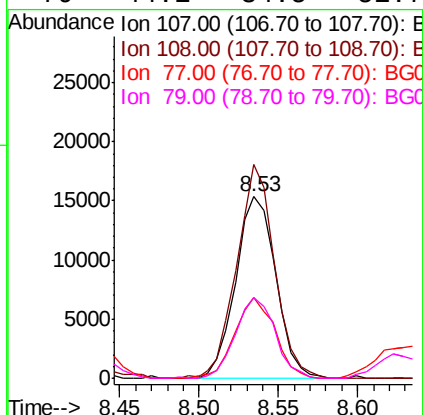
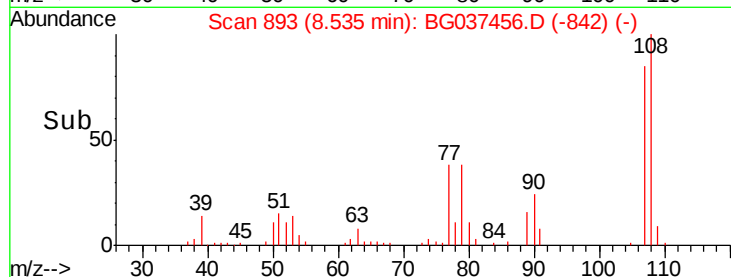
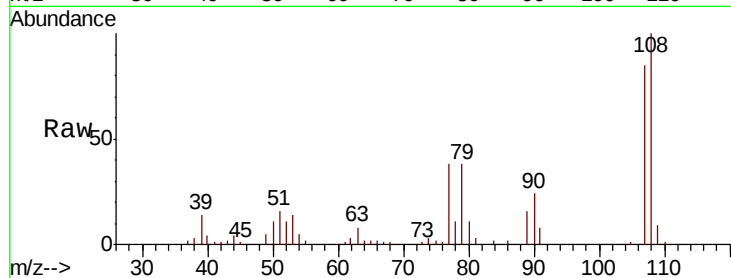




#17
2-Methylphenol
Concen: 7.974 ng
RT: 8.53 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

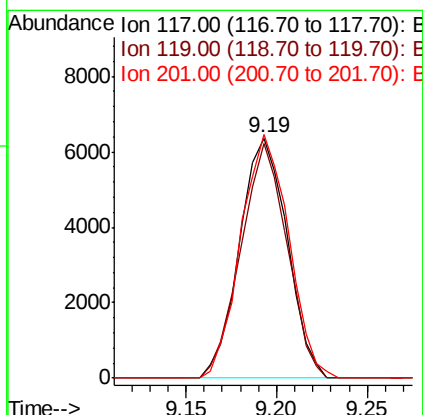
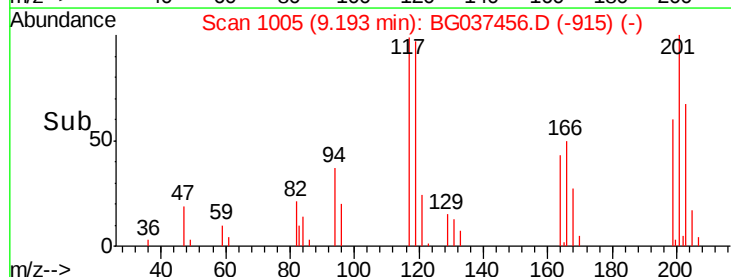
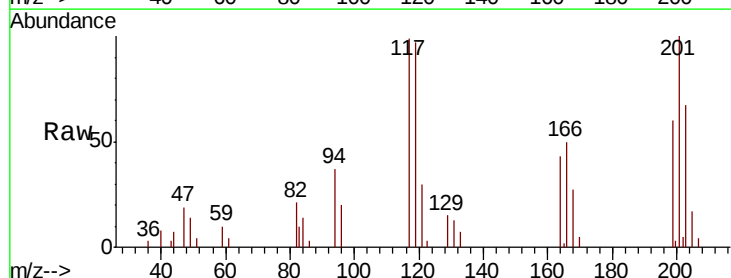
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

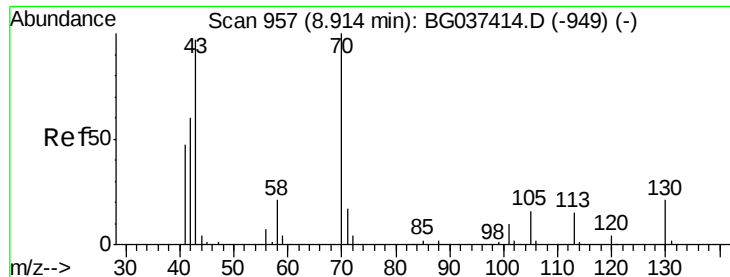
Tgt Ion:	107	Resp:	26977
Ion	Ratio	Lower	Upper
107	100		
108	117.6	87.9	131.9
77	44.6	35.1	52.7
79	44.1	34.5	51.7



#18
Hexachloroethane
Concen: 7.954 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:	117	Resp:	11587
Ion	Ratio	Lower	Upper
117	100		
119	97.9	74.6	111.8
201	101.5	80.8	121.2

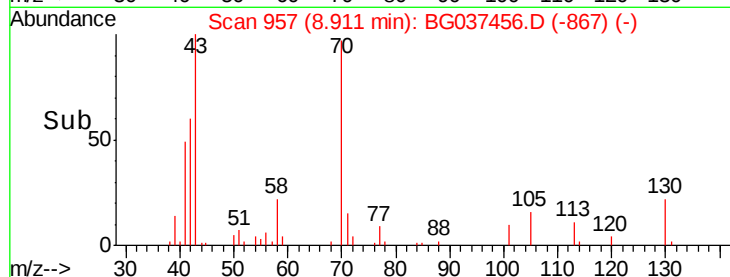
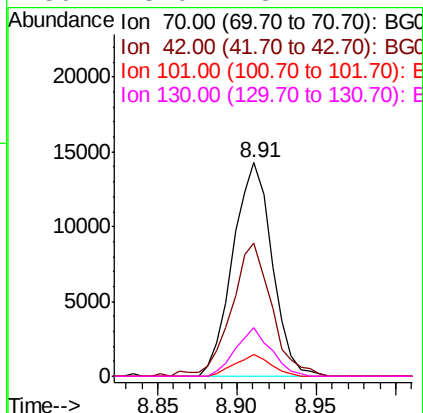
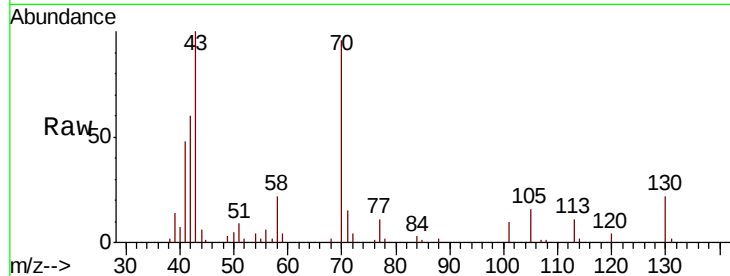




#19
n-Nitroso-di-n-propylamine
Concen: 7.342 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

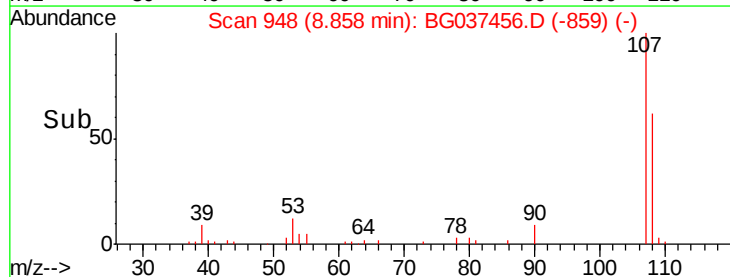
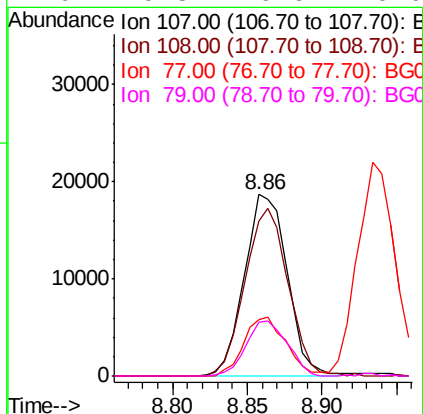
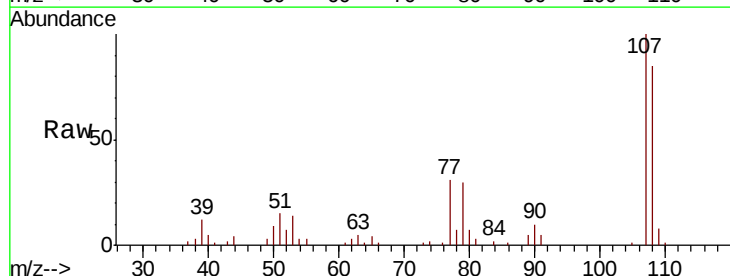
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

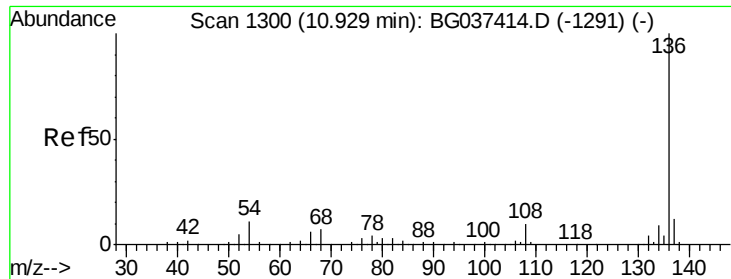
Tgt Ion: 70 Resp: 24521
Ion Ratio Lower Upper
70 100
42 62.1 53.9 80.9
101 10.2 8.2 12.2
130 23.0 18.2 27.4



#20
3+4-Methylphenols
Concen: 7.654 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion: 107 Resp: 37026
Ion Ratio Lower Upper
107 100
108 85.3 69.9 109.9
77 31.4 11.2 51.2
79 29.8 6.6 46.6

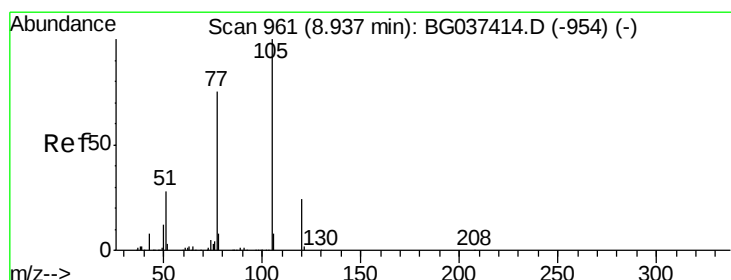
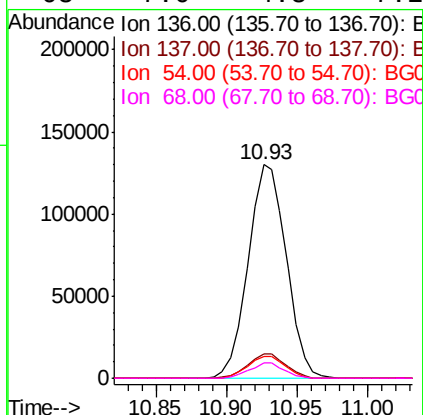
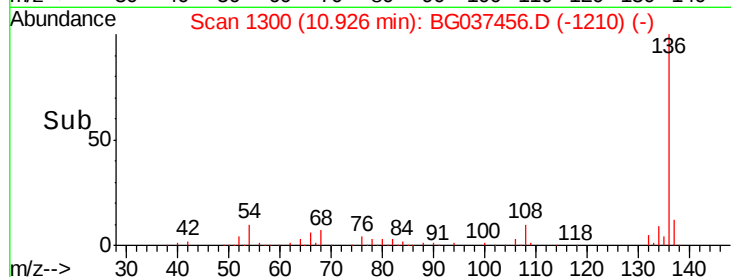
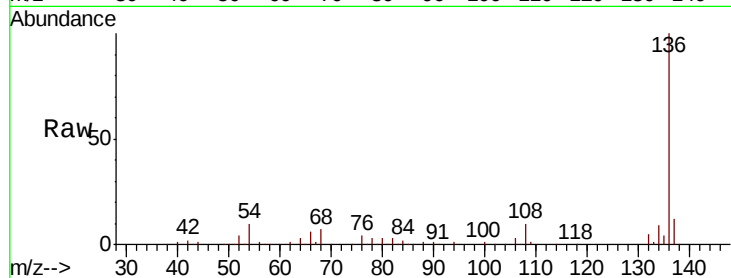




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

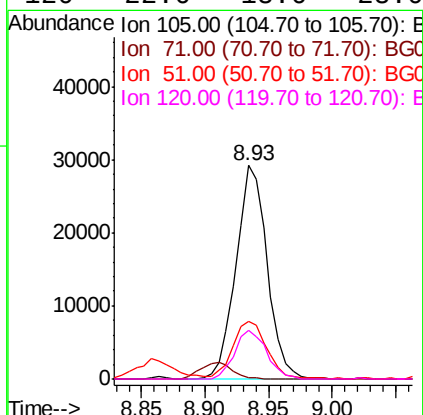
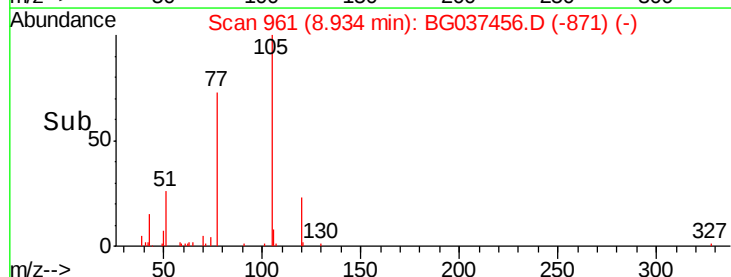
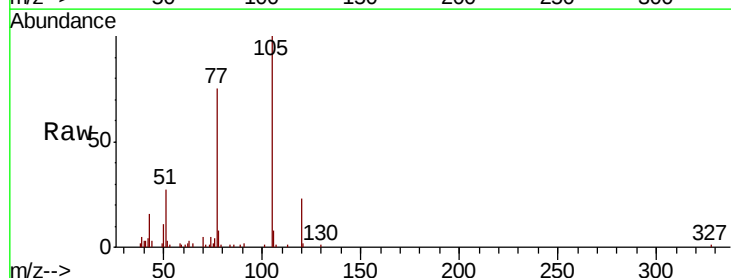
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	136	Resp:	245331
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	10.1	7.9	11.9
68	7.0	4.8	7.2



#22
Acetophenone
Concen: 8.084 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:	105	Resp:	49742
Ion	Ratio	Lower	Upper
105	100		
71	0.7	1.2	1.8#
51	26.8	25.0	37.6
120	22.6	18.6	28.0

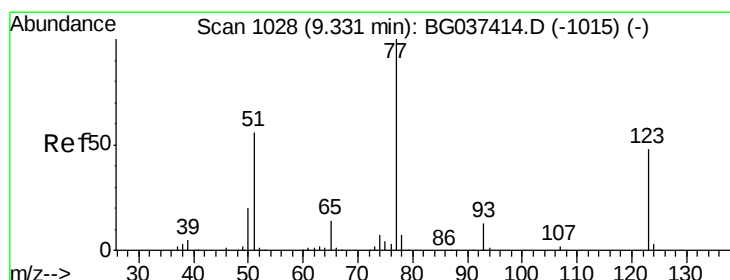
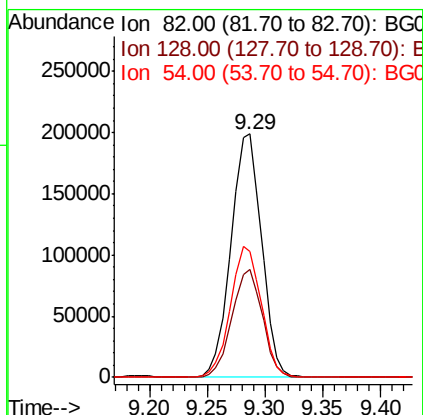
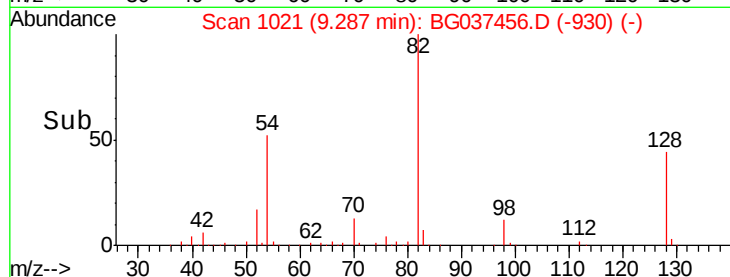
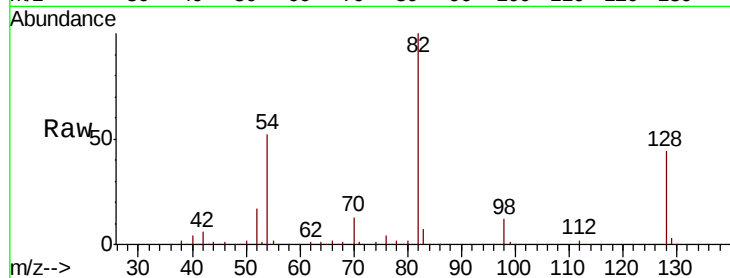




#23
Nitrobenzene-d5
Concen: 83.843 ng
RT: 9.29 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

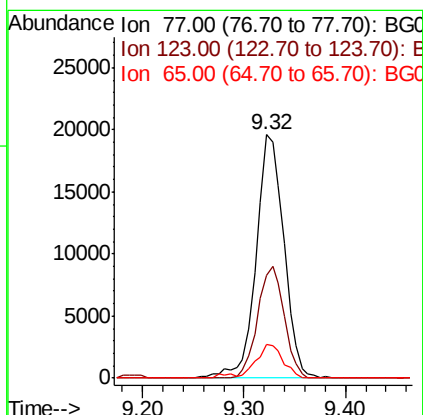
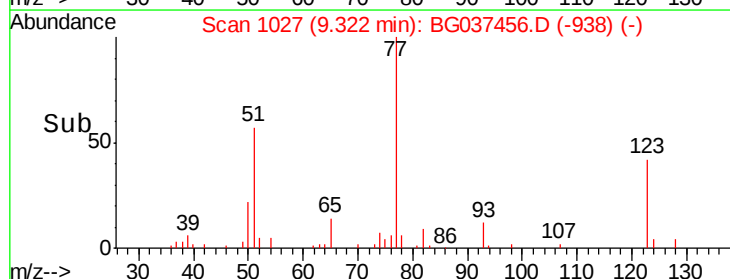
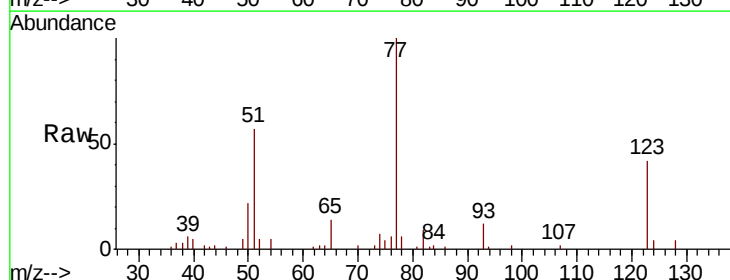
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 82 Resp: 367185
Ion Ratio Lower Upper
82 100
128 44.4 34.6 51.8
54 51.8 45.3 67.9



#24
Nitrobenzene
Concen: 8.157 ng
RT: 9.32 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion: 77 Resp: 37112
Ion Ratio Lower Upper
77 100
123 42.1 33.6 50.4
65 13.7 11.3 16.9

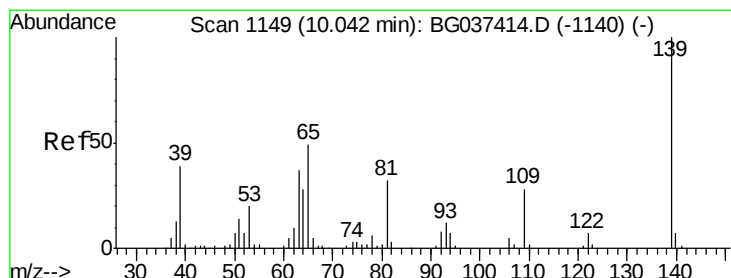
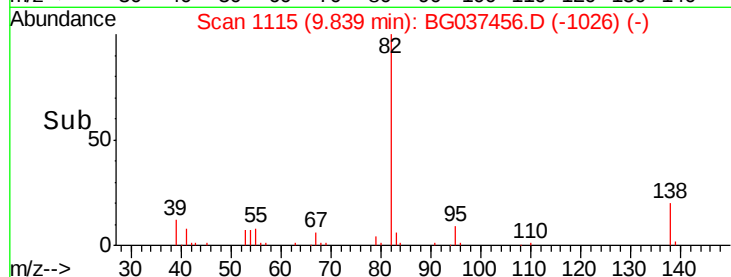
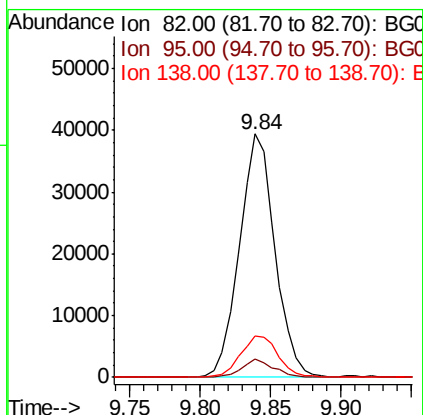
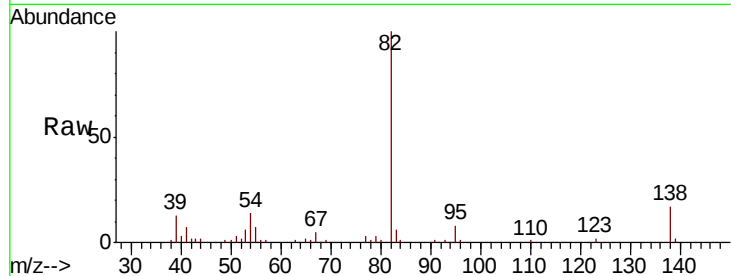




#25
Isophorone
Concen: 8.644 ng
RT: 9.84 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

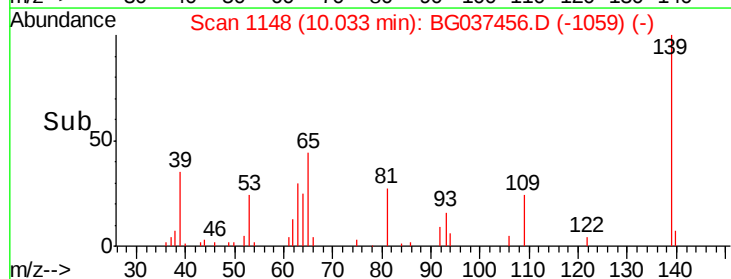
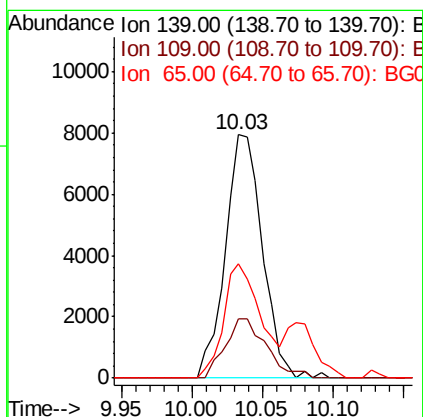
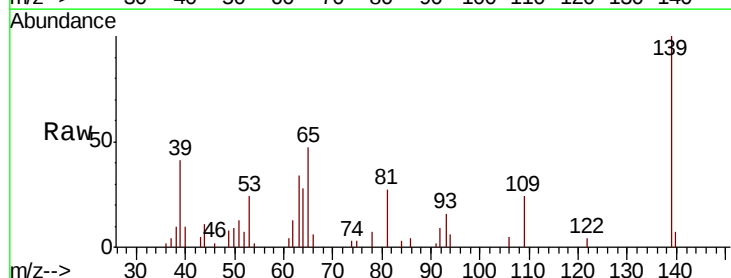
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 82 Resp: 69172
Ion Ratio Lower Upper
82 100
95 7.8 5.3 7.9
138 16.9 13.3 19.9



#26
2-Nitrophenol
Concen: 7.091 ng
RT: 10.03 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion: 139 Resp: 14534
Ion Ratio Lower Upper
139 100
109 24.2 23.3 34.9
65 46.7 39.8 59.8

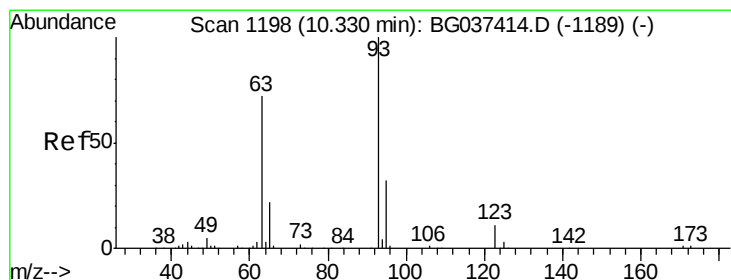
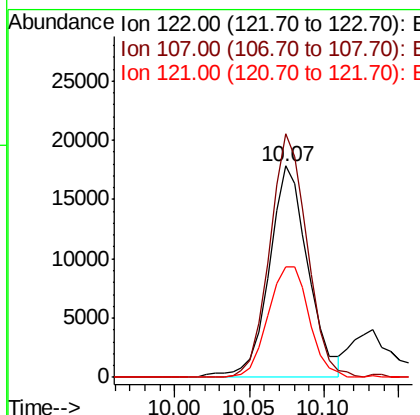
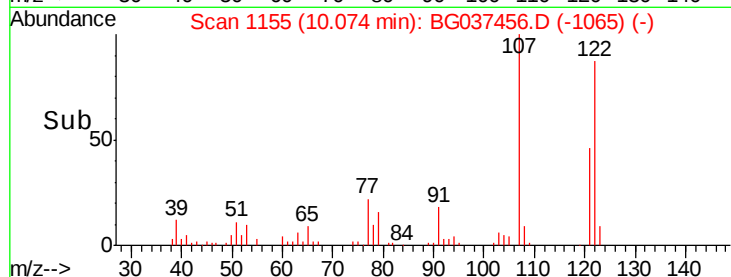
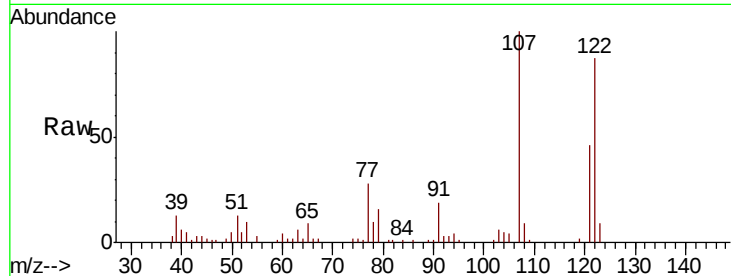




#27
2,4-Dimethylphenol
Concen: 8.818 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

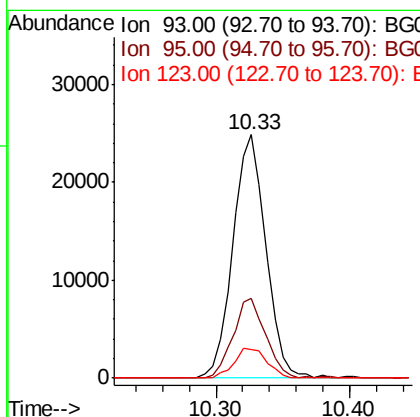
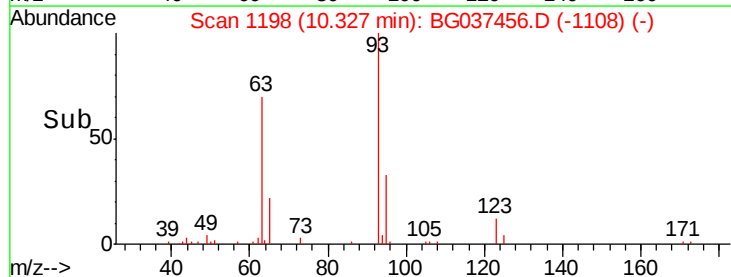
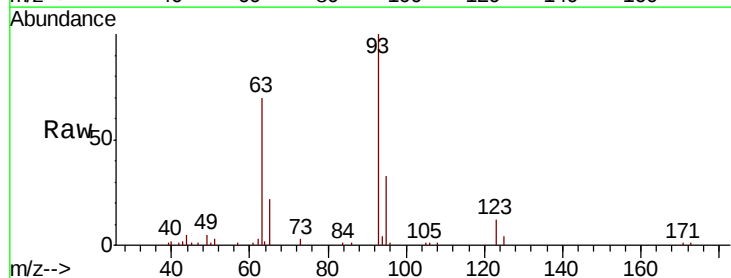
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

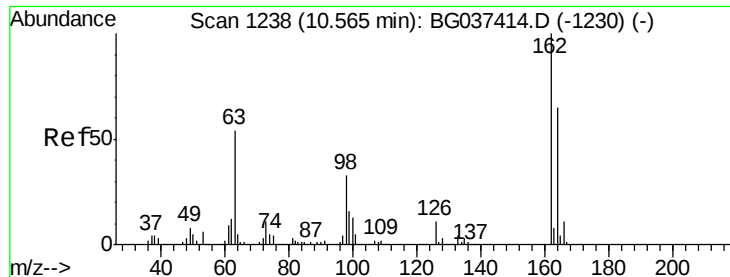
Tgt Ion:122 Resp: 32270
Ion Ratio Lower Upper
122 100
107 115.2 94.2 141.2
121 52.5 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 8.111 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion: 93 Resp: 42525
Ion Ratio Lower Upper
93 100
95 32.9 24.6 37.0
123 11.9 9.1 13.7

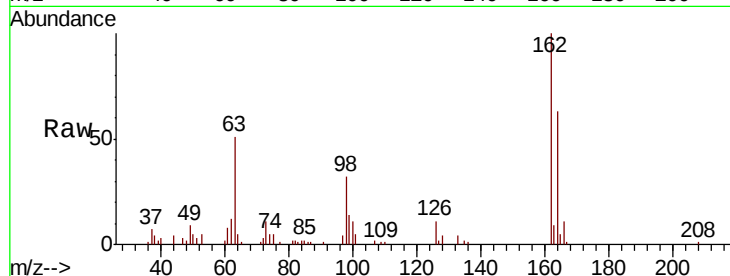




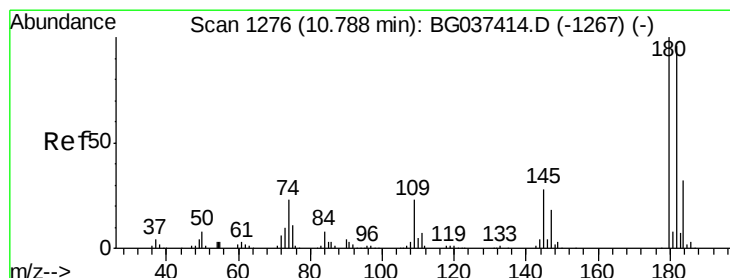
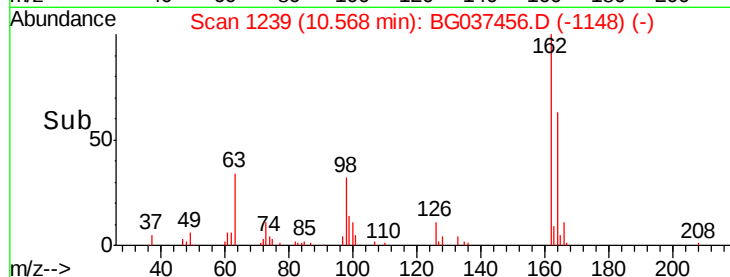
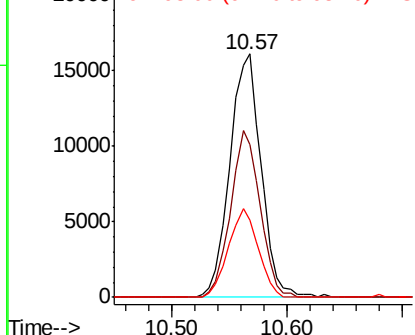
#29
2,4-Dichlorophenol
Concen: 7.418 ng
RT: 10.57 min Scan# 1239
Delta R.T. 0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion:162 Resp: 30226
Ion Ratio Lower Upper
162 100
164 62.8 43.2 83.2
98 31.7 16.0 56.0

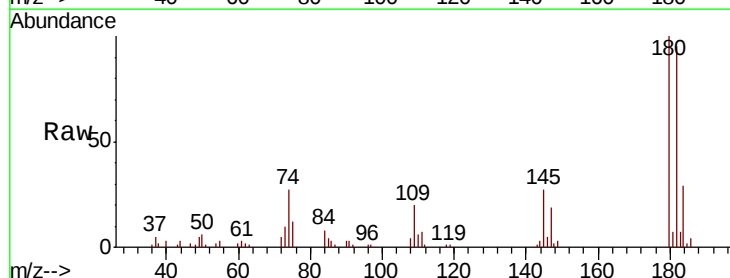


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

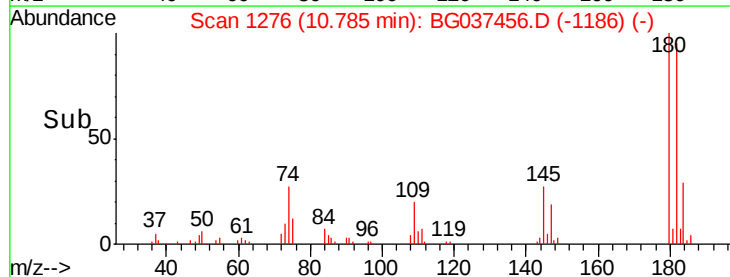
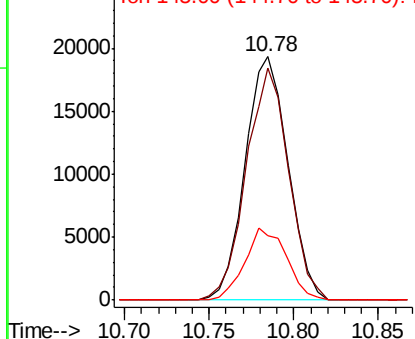


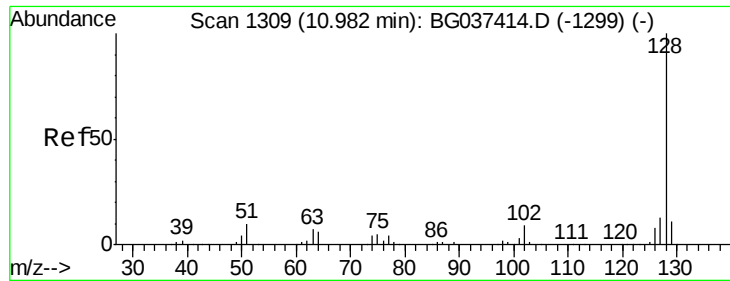
#30
1,2,4-Trichlorobenzene
Concen: 7.690 ng
RT: 10.78 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:180 Resp: 34071
Ion Ratio Lower Upper
180 100
182 95.1 77.7 116.5
145 26.5 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

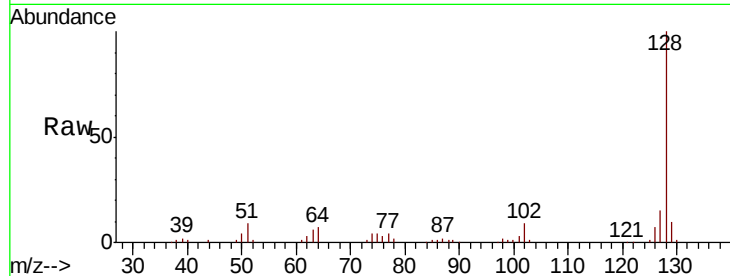




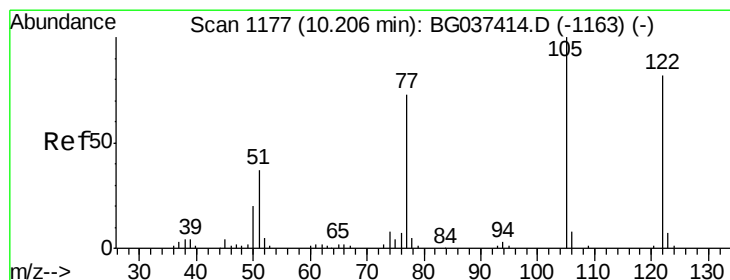
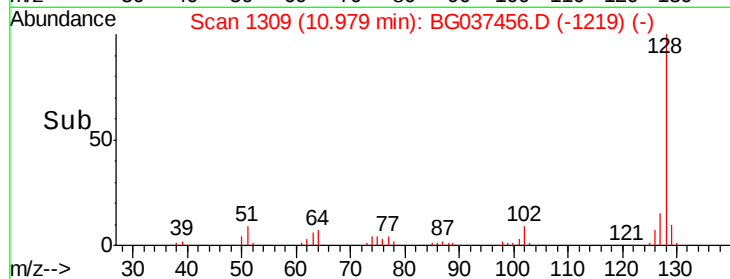
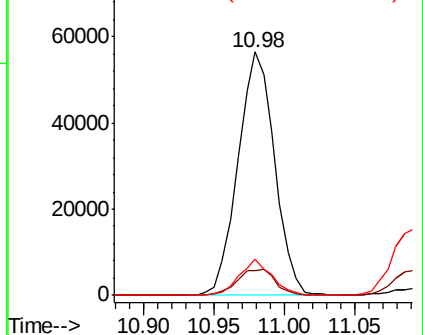
#31
Naphthalene
Concen: 8.500 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion:128 Resp: 102423
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 15.0 11.1 16.7

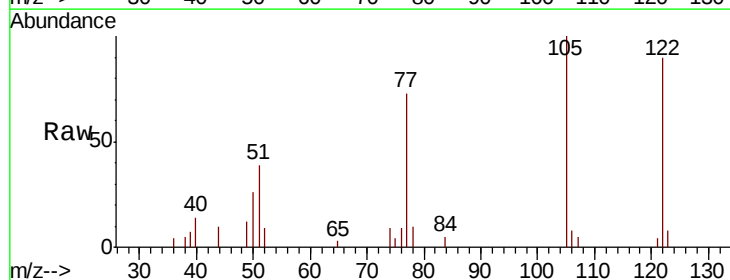


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

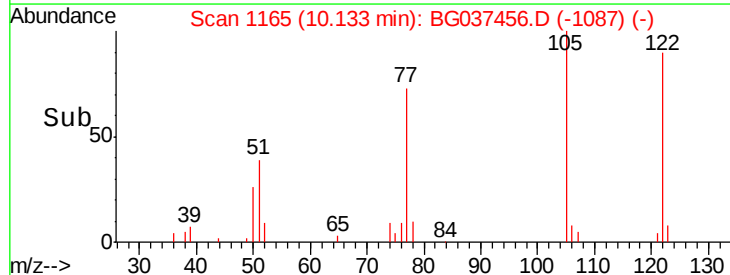
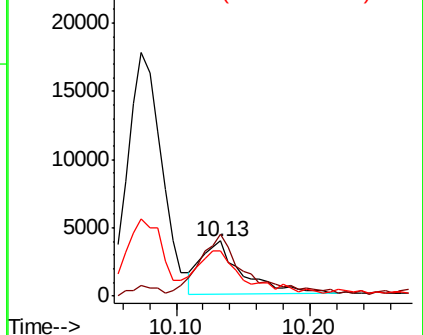


#32
Benzoic acid
Concen: 3.449 ng
RT: 10.13 min Scan# 1165
Delta R.T. -0.07 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:122 Resp: 8197
Ion Ratio Lower Upper
122 100
105 111.6 106.7 146.7
77 81.2 72.2 112.2



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

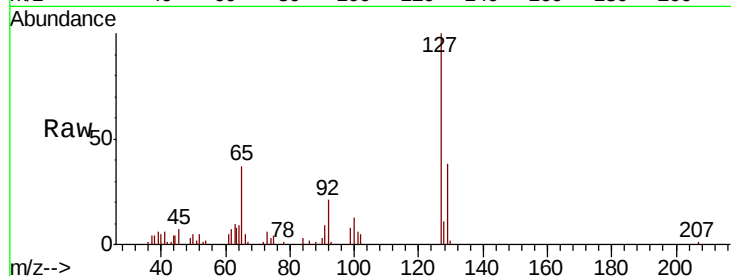




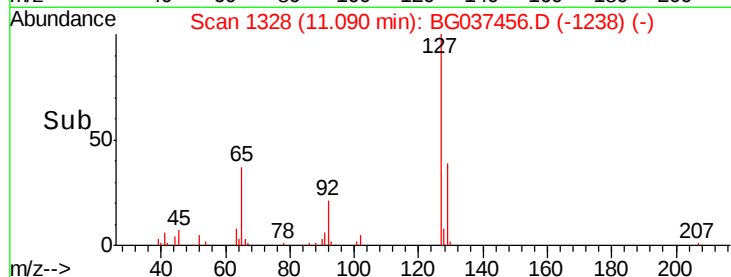
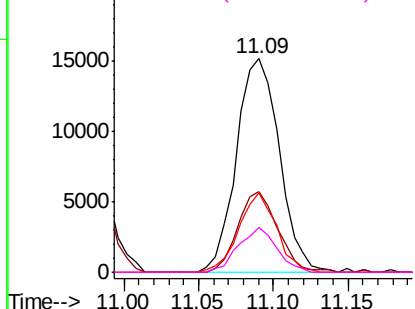
#33
4-Chloroaniline
Concen: 5.342 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion:	127	Resp:	30248
Ion	Ratio	Lower	Upper
127	100		
129	38.1	27.1	40.7
65	37.0	26.6	39.8
92	21.2	16.4	24.6

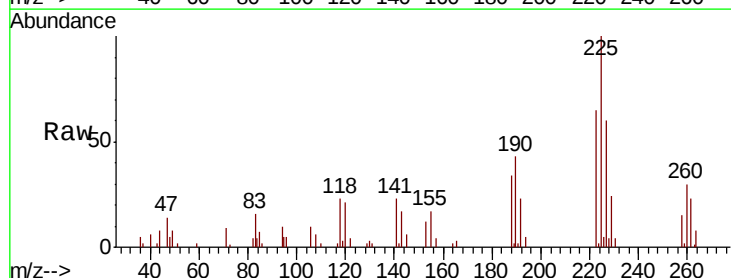


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

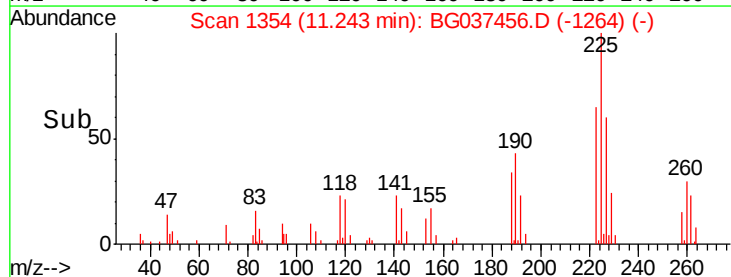
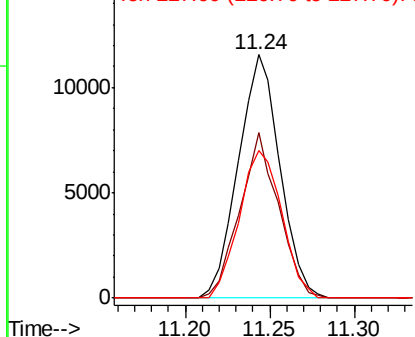


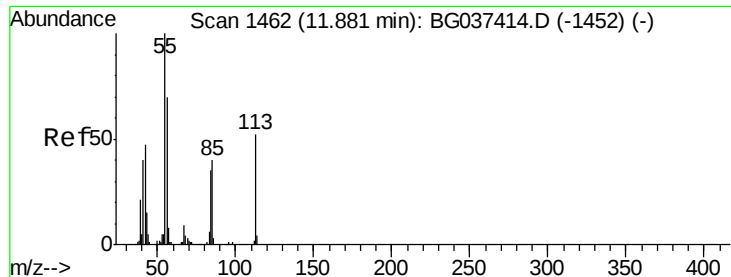
#34
Hexachlorobutadiene
Concen: 7.523 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:	225	Resp:	19757
Ion	Ratio	Lower	Upper
225	100		
223	64.5	48.2	72.4
227	61.2	51.6	77.4



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





#35

Caprolactam

Concen: 6.382 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

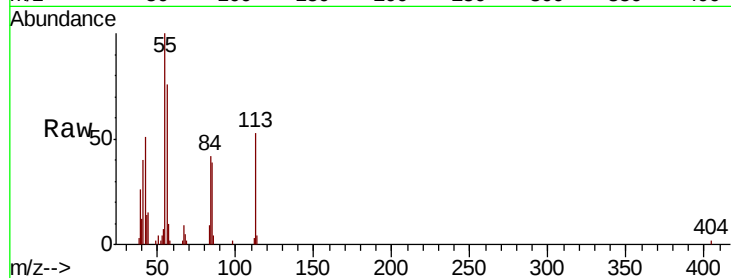
Tgt Ion:113 Resp: 10428

Ion Ratio Lower Upper

113 100

55 189.5 176.6 216.6

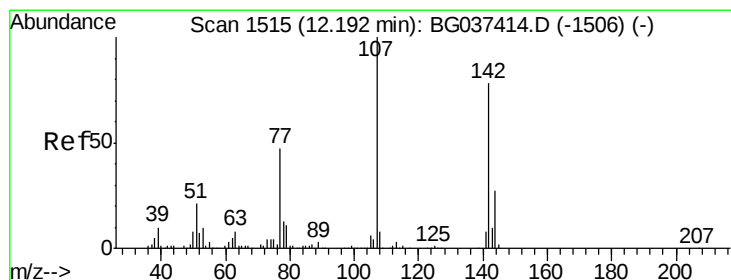
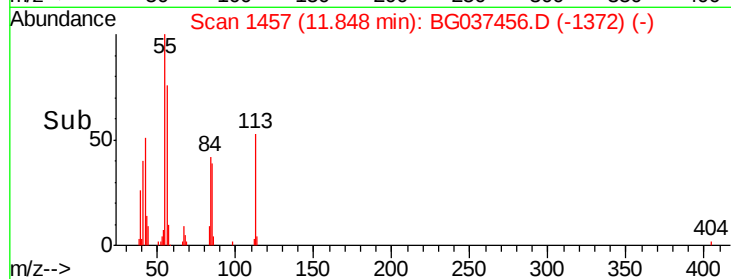
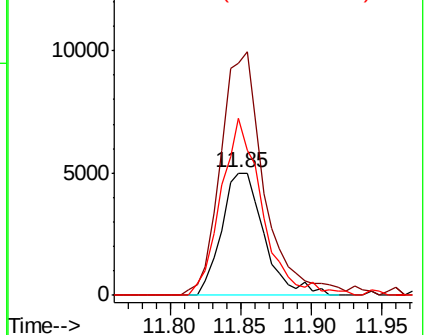
56 144.8 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG037414.D (-1452) (-)

Ion 56.00 (55.70 to 56.70): BG037414.D (-1452) (-)



#36

4-Chloro-3-methylphenol

Concen: 7.587 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

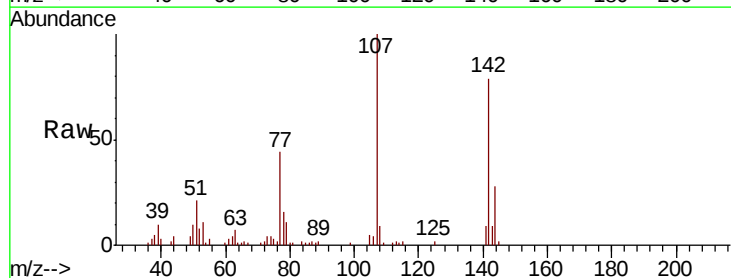
Tgt Ion:107 Resp: 34863

Ion Ratio Lower Upper

107 100

144 28.1 20.7 31.1

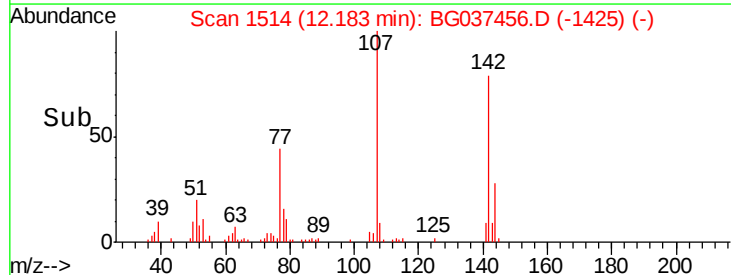
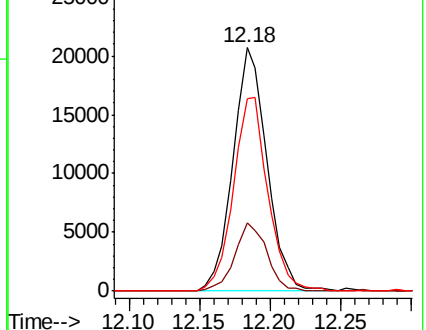
142 78.9 64.4 96.6



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

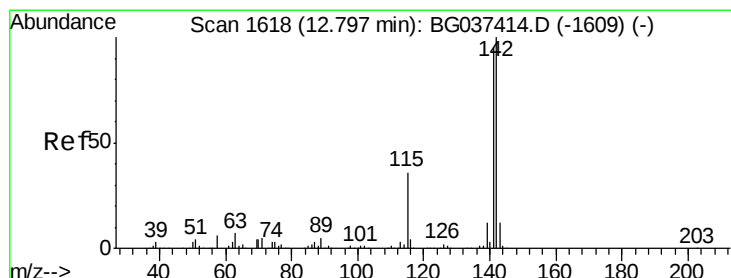
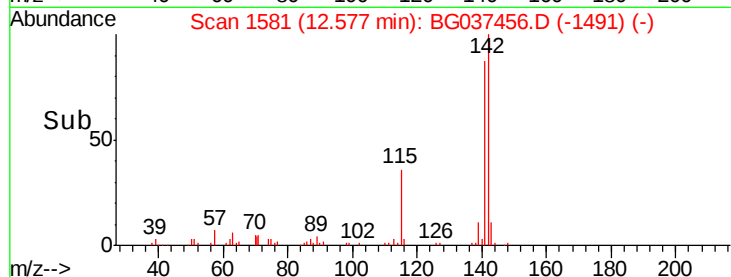
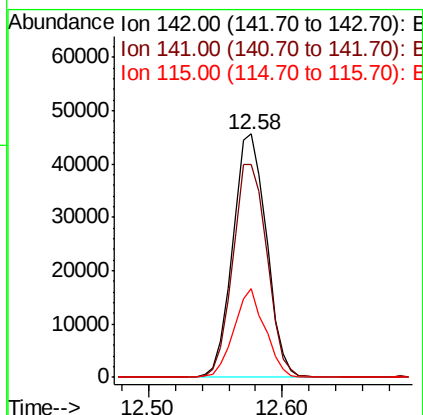
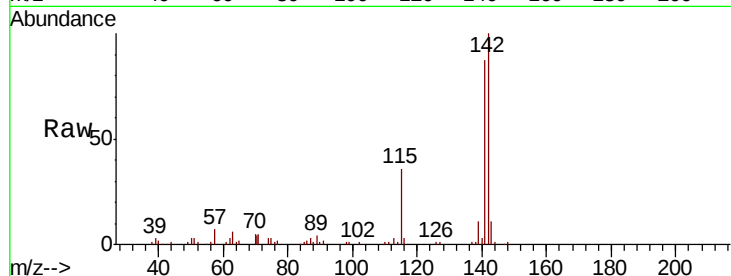




#37
2-Methylnaphthalene
Concen: 9.081 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

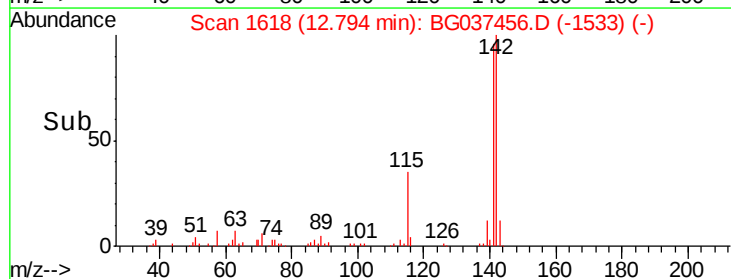
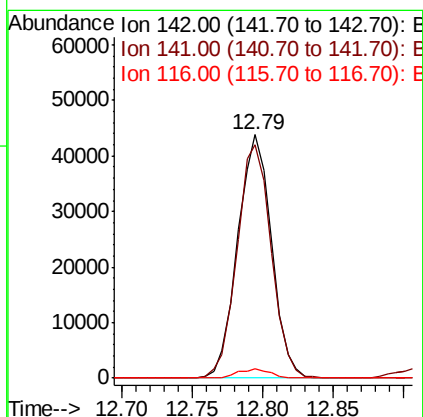
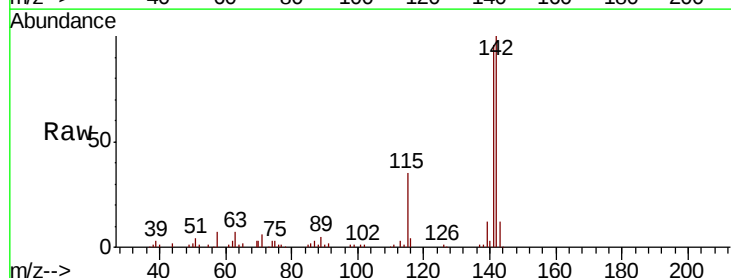
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

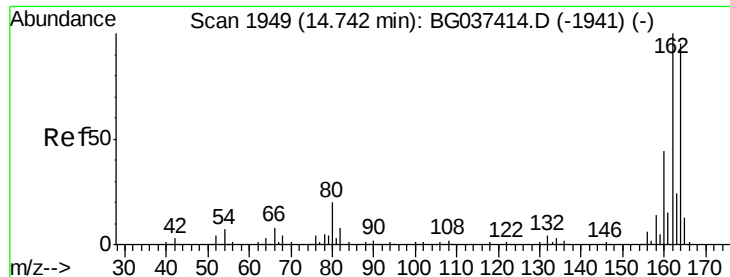
Tgt Ion:142 Resp: 79763
Ion Ratio Lower Upper
142 100
141 87.5 71.9 107.9
115 36.4 27.8 41.8



#38
1-Methylnaphthalene
Concen: 8.598 ng
RT: 12.79 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:142 Resp: 73349
Ion Ratio Lower Upper
142 100
141 96.0 75.2 112.8
116 4.0 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

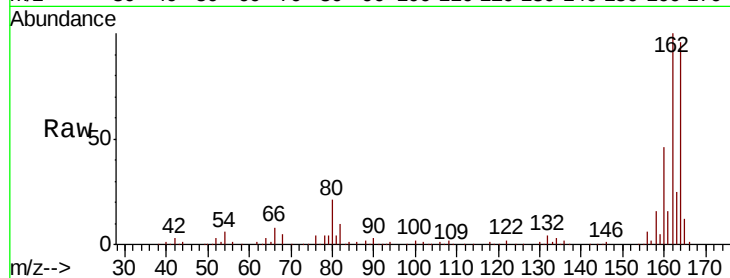
Tgt Ion:164 Resp: 164056

Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

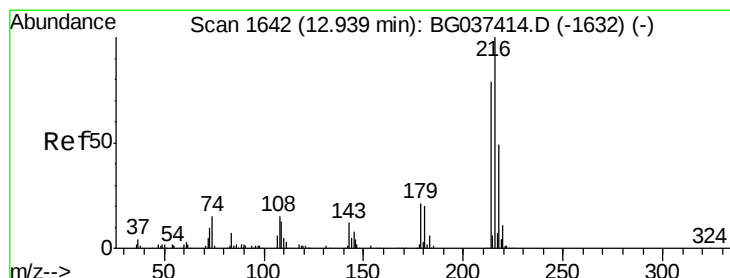
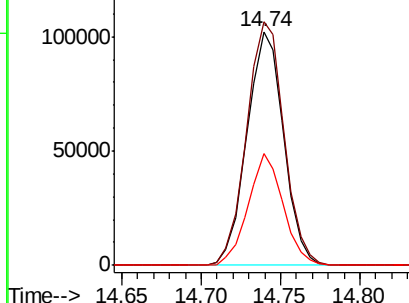
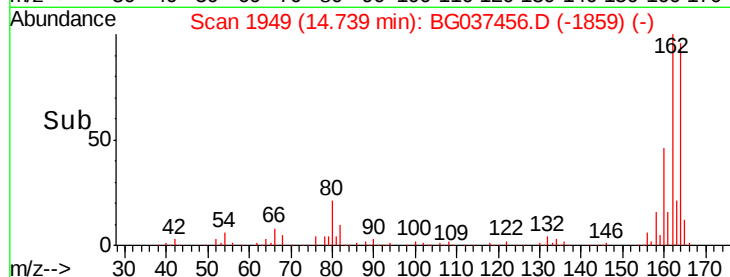
160 47.7 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.664 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Tgt Ion:216 Resp: 40555

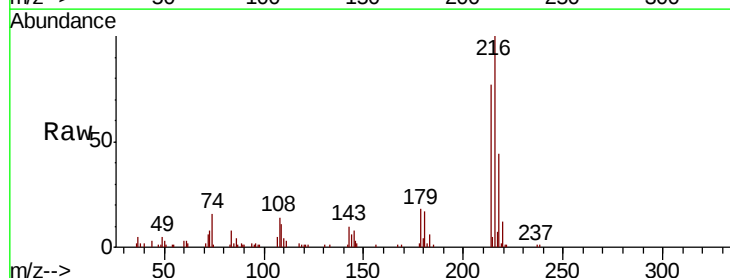
Ion Ratio Lower Upper

216 100

214 77.5 63.8 95.6

179 19.5 17.4 26.0

108 17.4 13.9 20.9

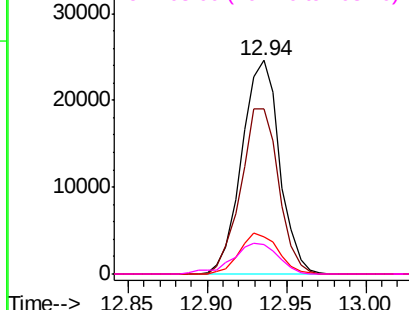
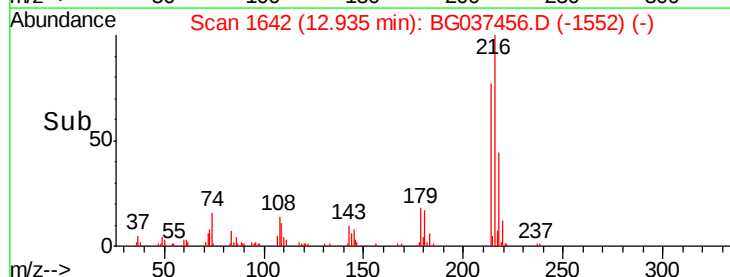


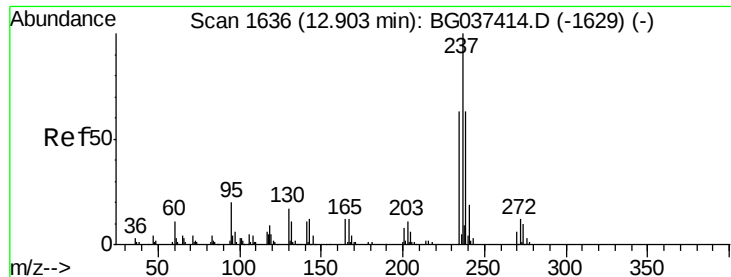
Abundance Ion 216.00 (215.70 to 216.70): E

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: 8.235 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

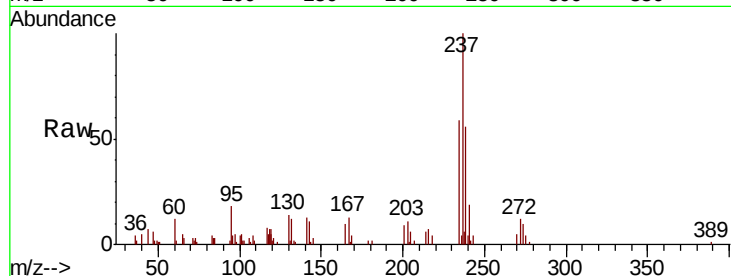
Tgt Ion: 237 Resp: 20815

Ion Ratio Lower Upper

237 100

235 59.3 42.5 82.5

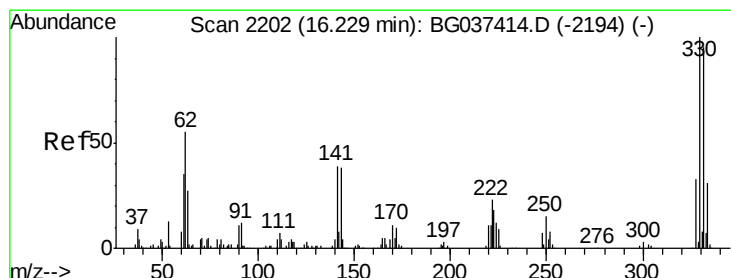
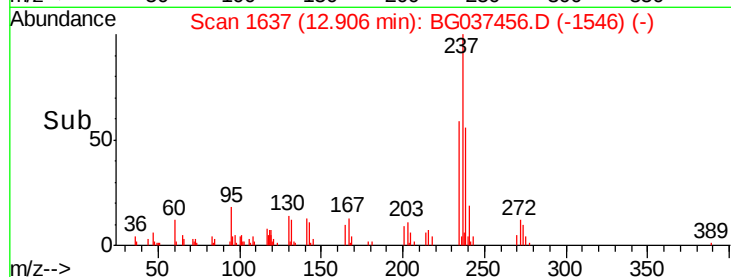
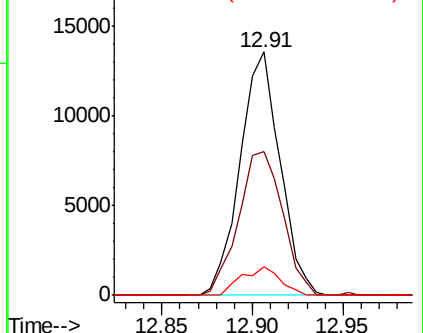
272 12.0 0.0 31.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 140.823 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

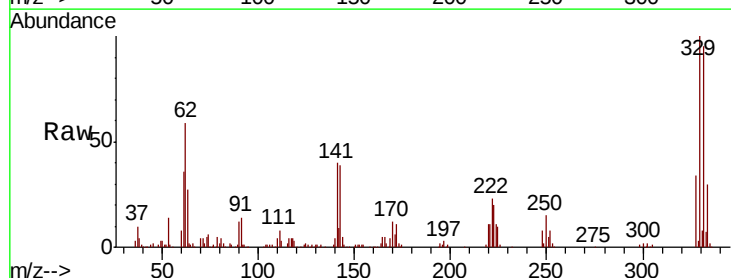
Tgt Ion: 330 Resp: 251981

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

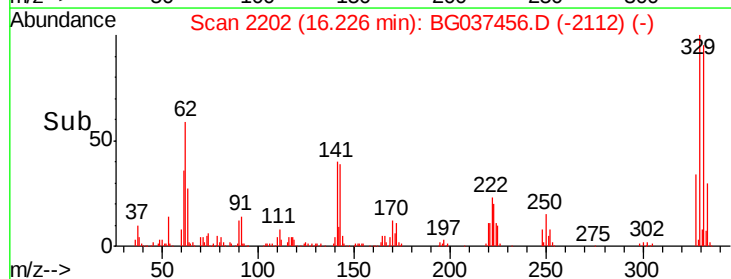
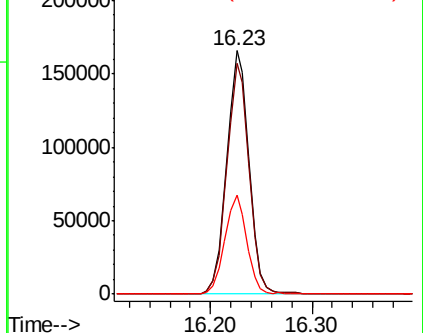
141 40.1 32.2 48.2

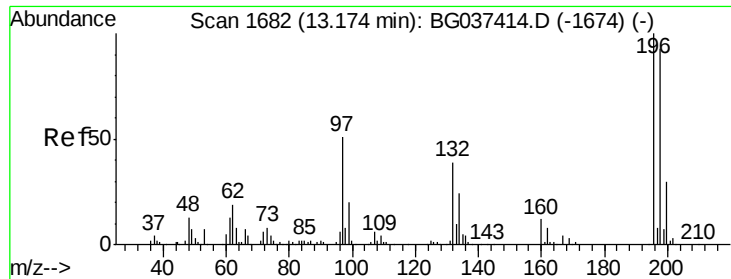


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

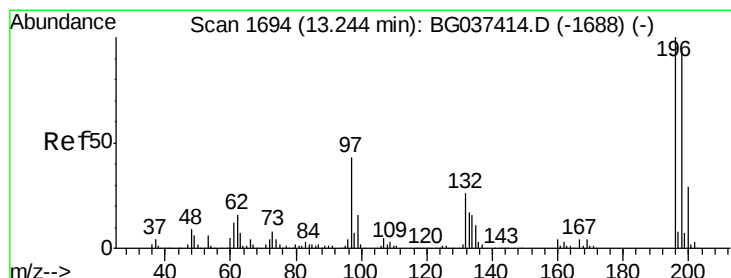
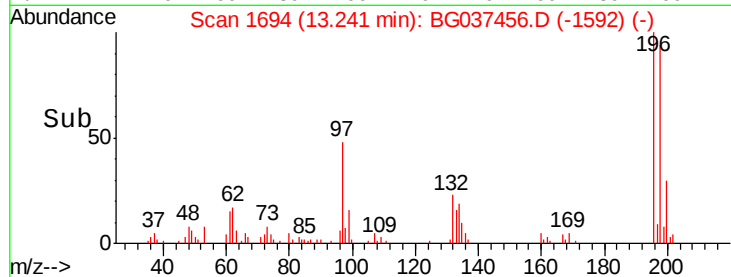
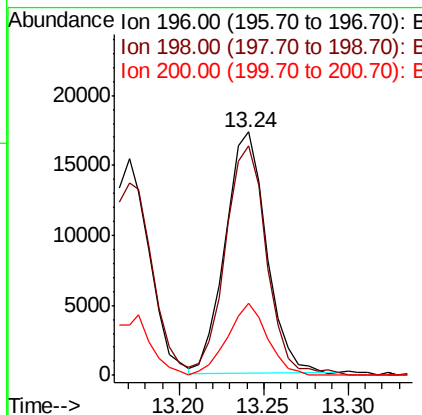
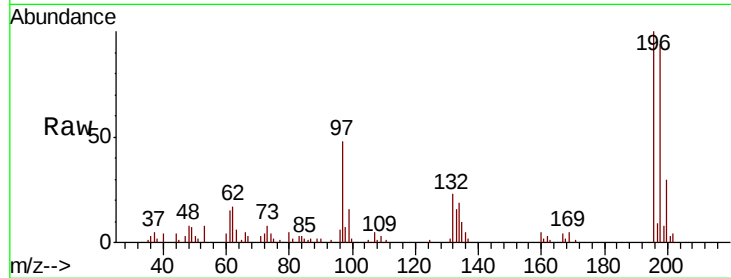




#43
 2,4,6-Trichlorophenol
 Concen: 8.296 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. 0.07 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

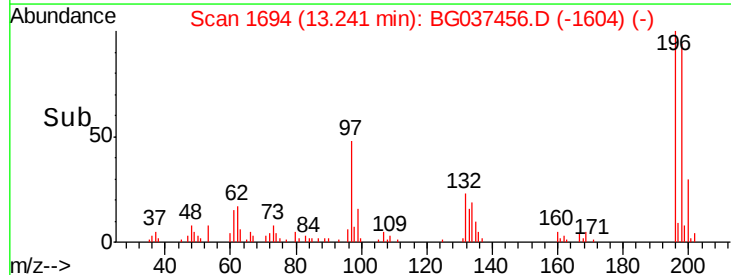
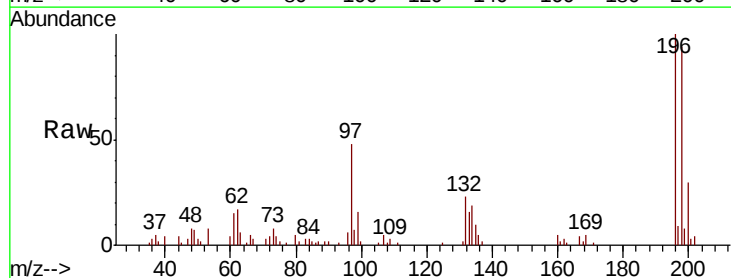
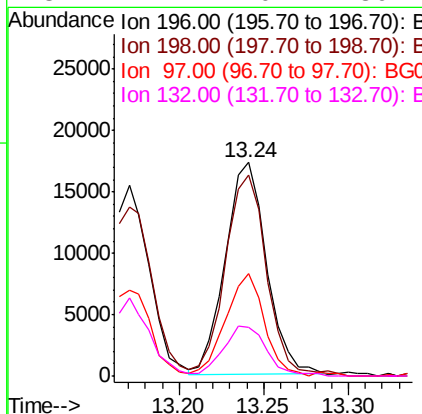
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:196 Resp: 29329
 Ion Ratio Lower Upper
 196 100
 198 94.3 76.4 114.6
 200 29.6 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 7.620 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion:196 Resp: 29329
 Ion Ratio Lower Upper
 196 100
 198 94.3 74.2 111.2
 97 47.7 34.1 51.1
 132 22.7 20.2 30.4

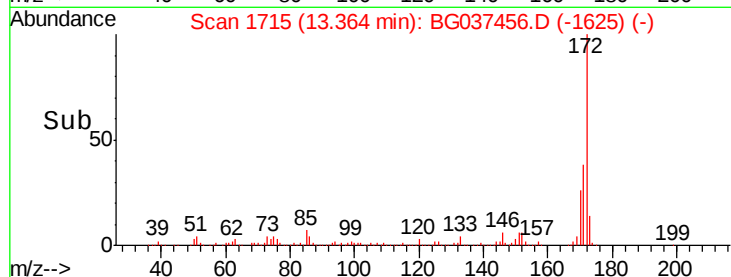
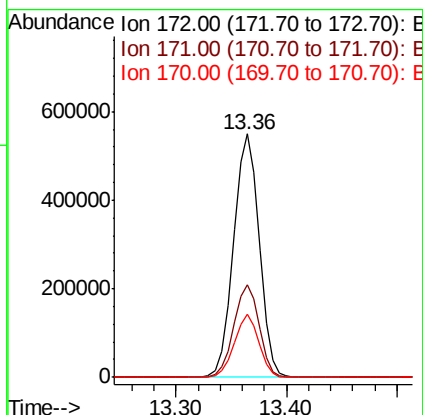
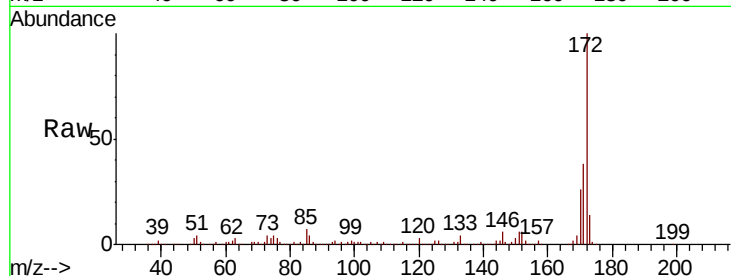




#45
2-Fluorobiphenyl
Concen: 82.331 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

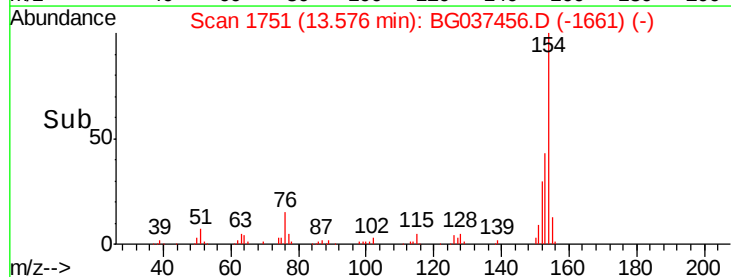
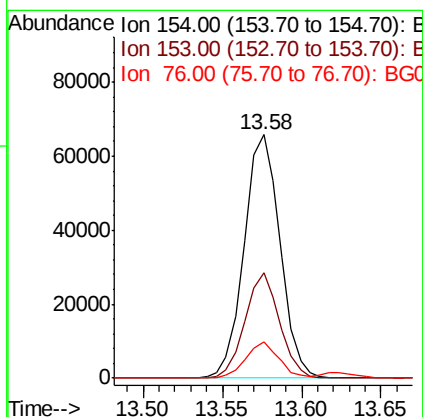
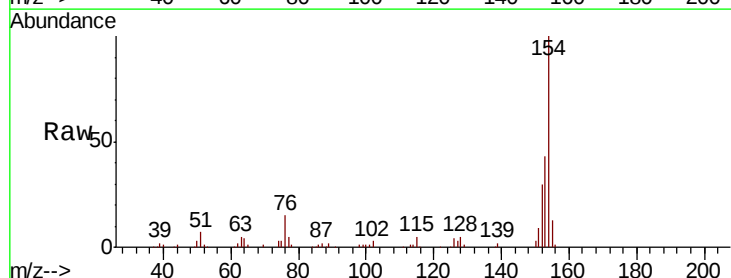
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:172 Resp: 895721
Ion Ratio Lower Upper
172 100
171 38.2 31.0 46.4
170 26.1 20.2 30.2



#46
1,1'-Biphenyl
Concen: 7.616 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:154 Resp: 103478
Ion Ratio Lower Upper
154 100
153 43.2 22.1 62.1
76 15.0 0.0 33.2

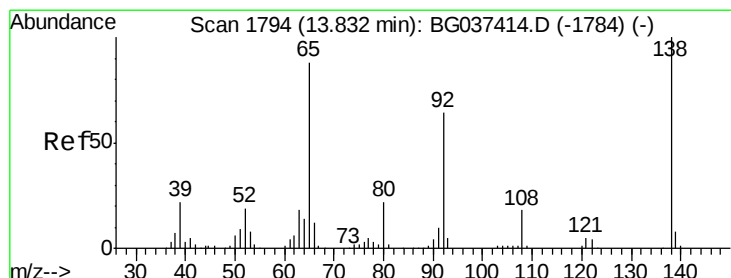
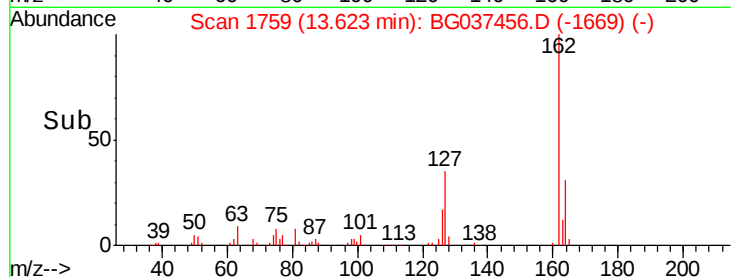
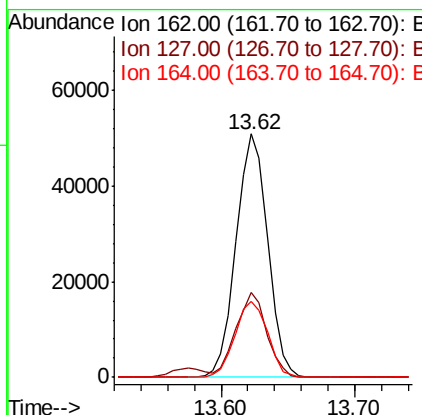
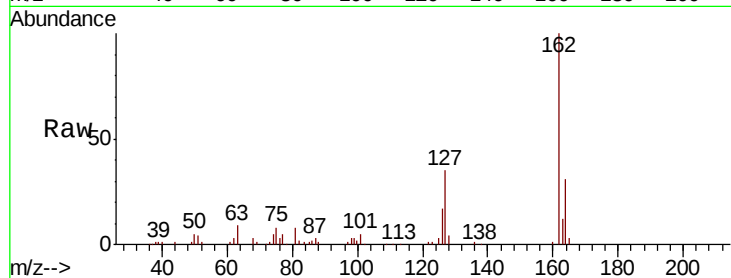




#47
2-Chloronaphthalene
Concen: 8.097 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

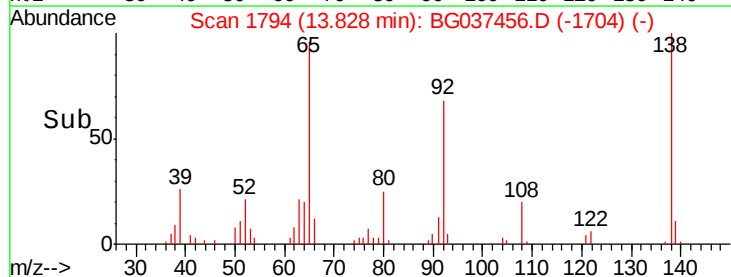
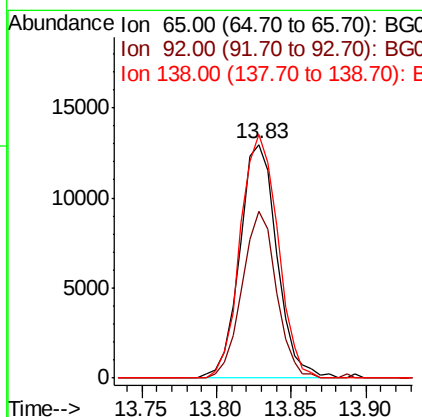
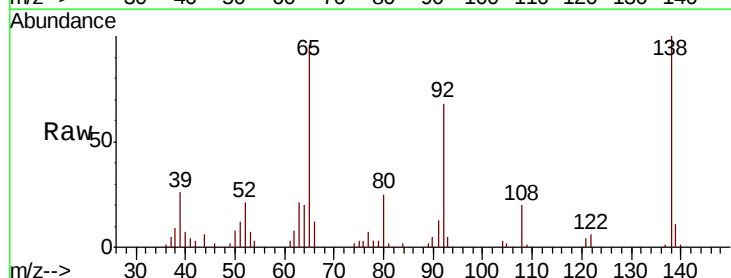
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 162 Resp: 83226
Ion Ratio Lower Upper
162 100
127 34.7 30.5 45.7
164 31.0 26.4 39.6



#48
2-Nitroaniline
Concen: 7.176 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion: 65 Resp: 22367
Ion Ratio Lower Upper
65 100
92 71.2 53.2 79.8
138 104.2 79.3 118.9





#49

Acenaphthylene

Concen: 8.757 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

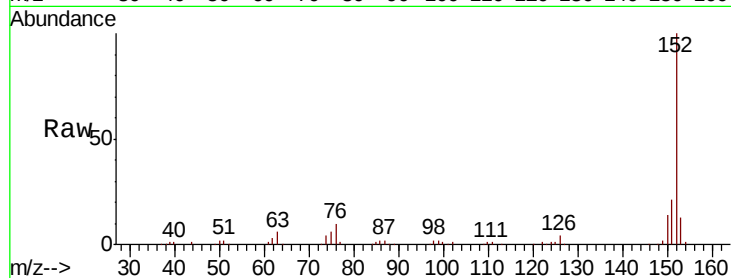
Tgt Ion:152 Resp: 135409

Ion Ratio Lower Upper

152 100

151 21.0 17.1 25.7

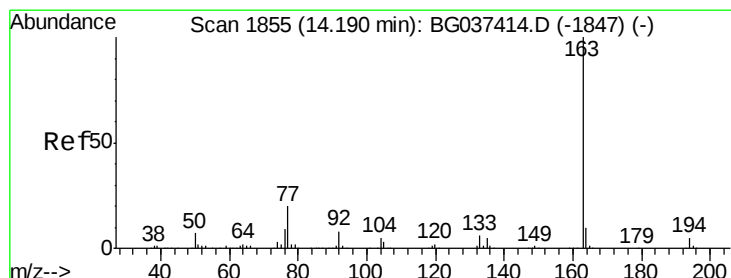
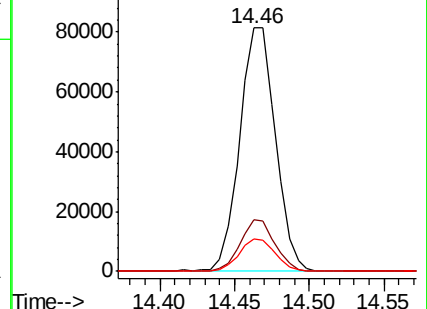
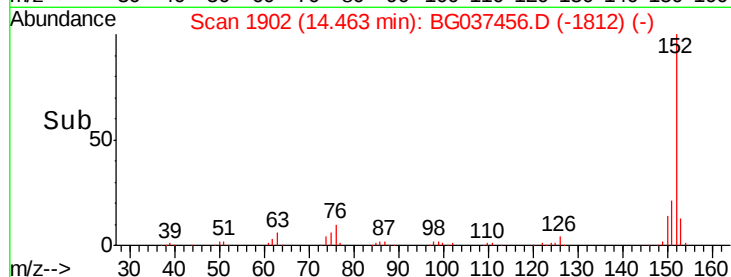
153 13.3 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.513 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

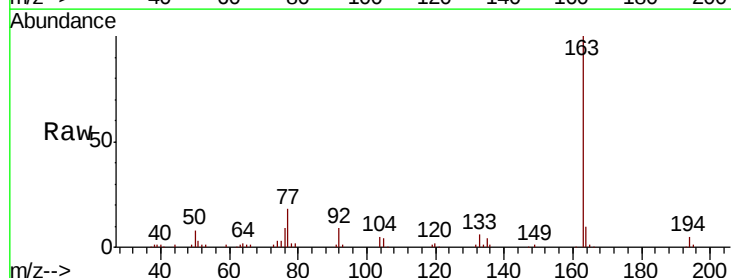
Tgt Ion:163 Resp: 108044

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

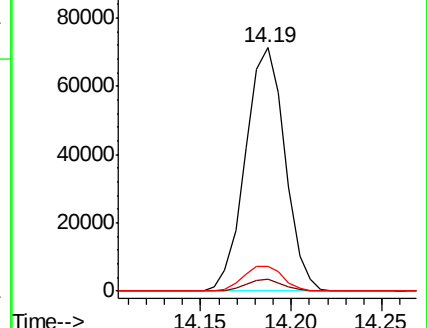
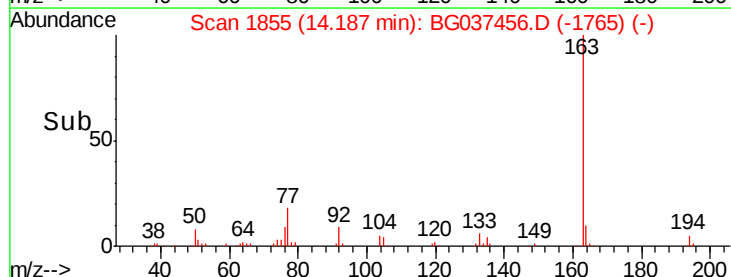
164 10.4 8.5 12.7

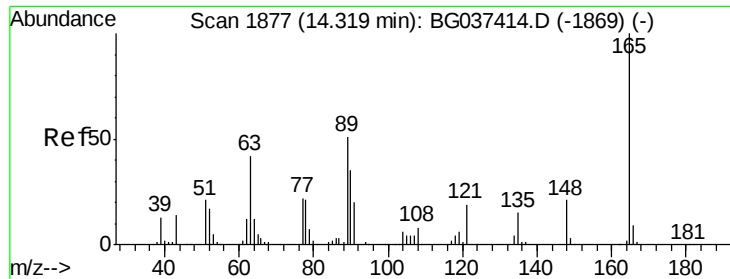


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

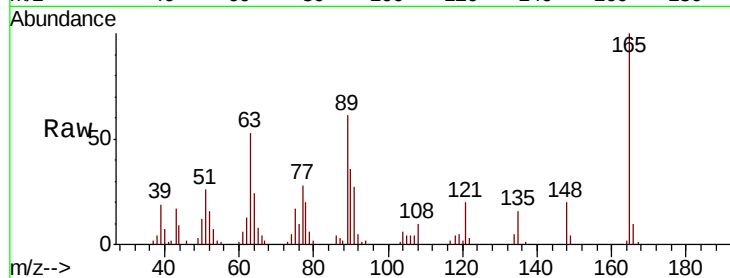




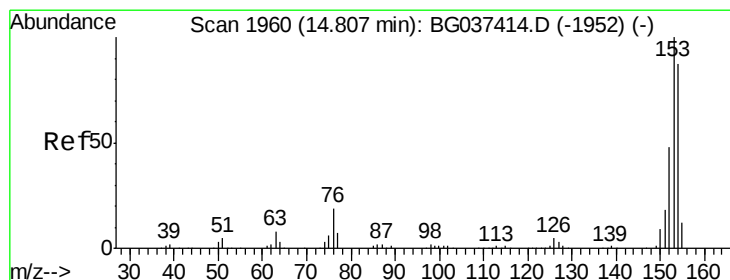
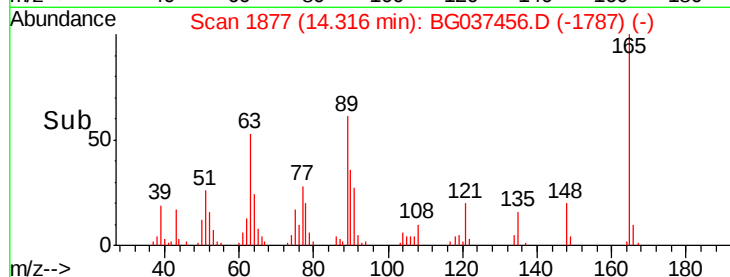
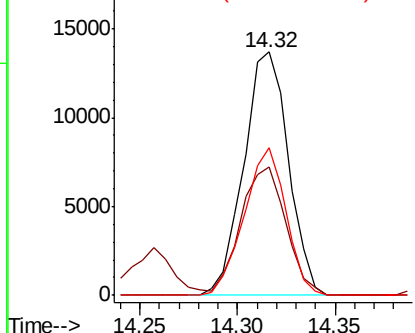
#51
2,6-Dinitrotoluene
Concen: 7.715 ng
RT: 14.32 min Scan# 1877
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion:165 Resp: 21660
Ion Ratio Lower Upper
165 100
63 52.6 43.4 65.2
89 60.7 45.8 68.6

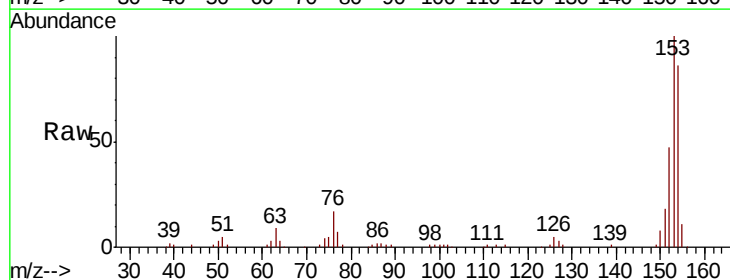


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

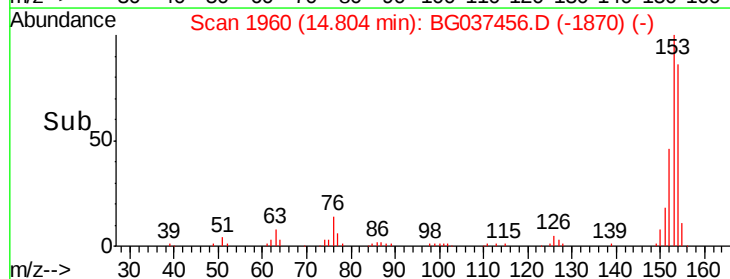
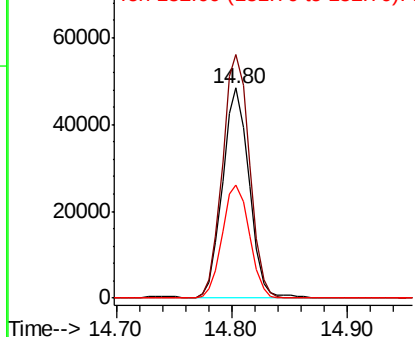


#52
Acenaphthene
Concen: 8.141 ng
RT: 14.80 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:154 Resp: 77529
Ion Ratio Lower Upper
154 100
153 115.9 93.4 140.0
152 54.0 44.7 67.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 6.066 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

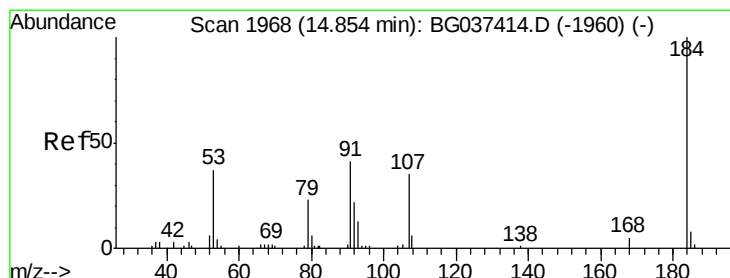
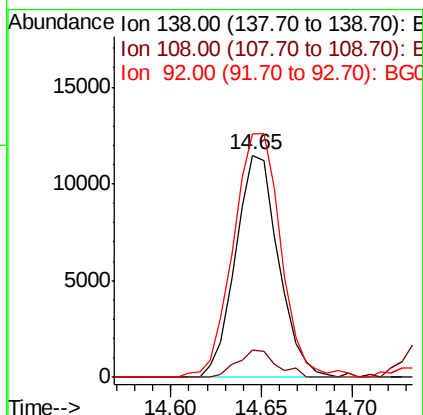
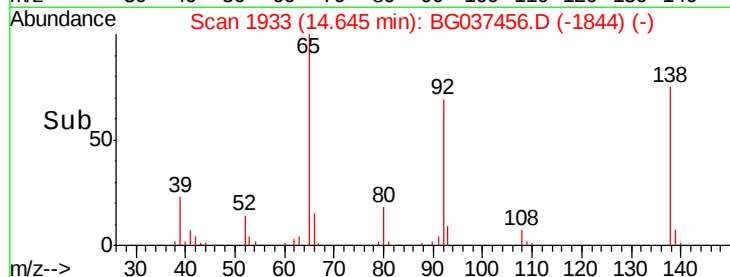
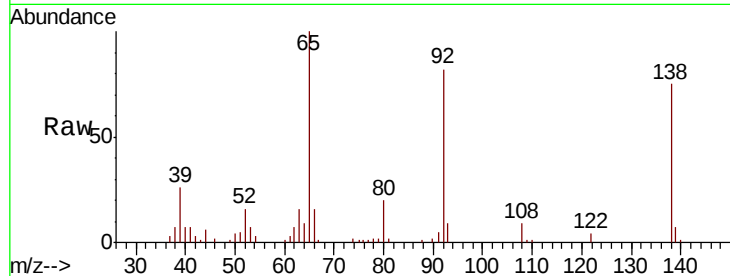
Tgt Ion:138 Resp: 18907

Ion Ratio Lower Upper

138 100

108 12.5 11.0 16.6

92 109.5 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 8.917 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

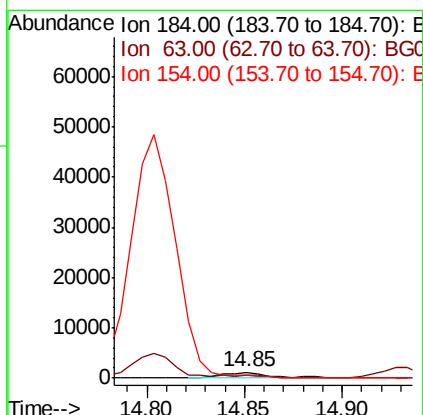
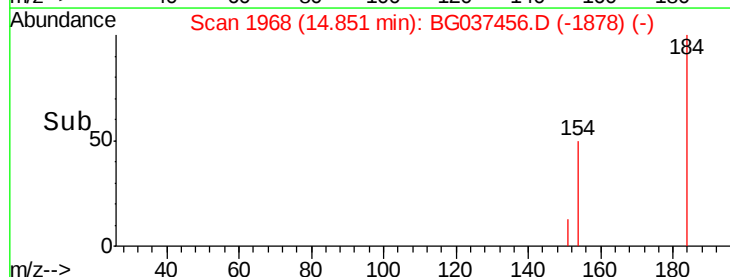
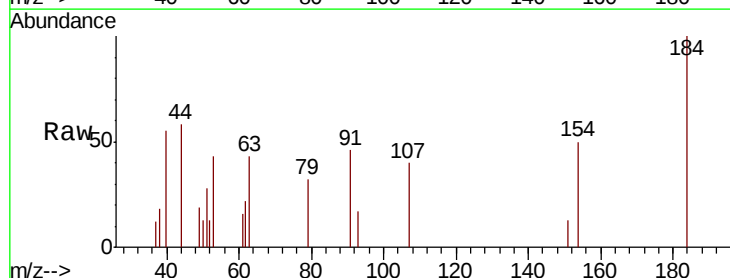
Tgt Ion:184 Resp: 1847

Ion Ratio Lower Upper

184 100

63 42.8 42.6 63.8

154 49.5 41.8 62.6

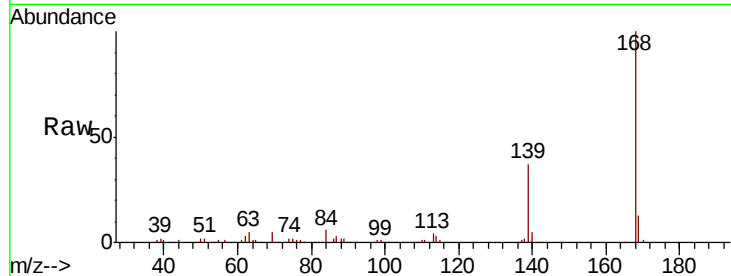




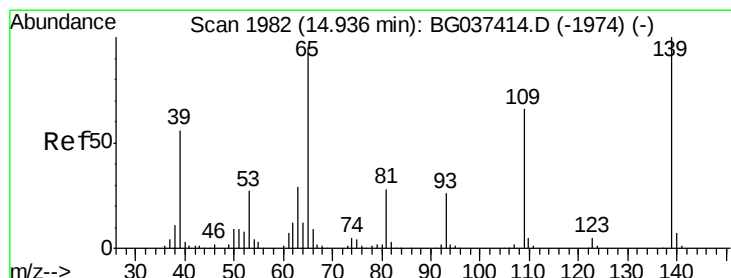
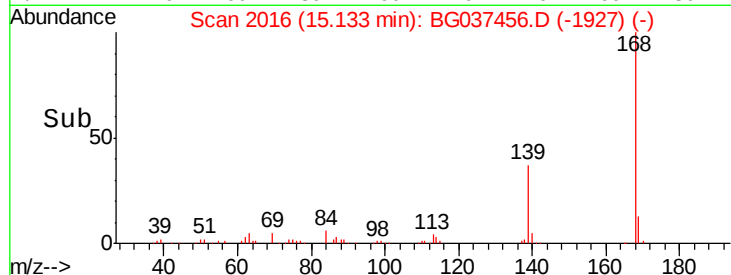
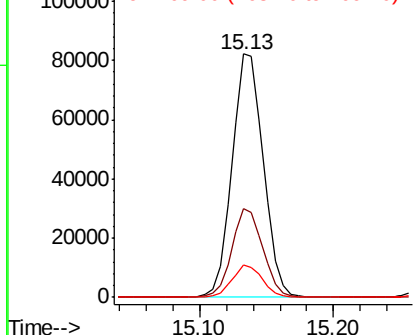
#55
Dibenzenofuran
Concen: 8.455 ng
RT: 15.13 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion:168 Resp: 133404
Ion Ratio Lower Upper
168 100
139 36.6 29.4 44.0
169 13.3 11.0 16.6

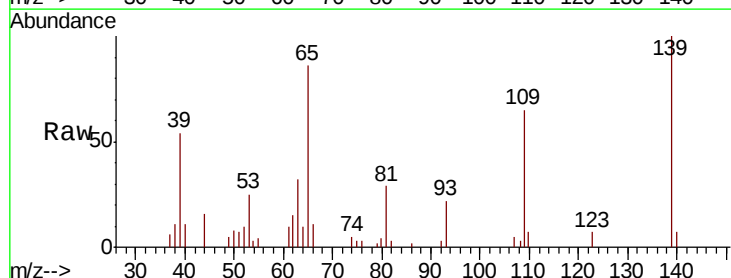


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

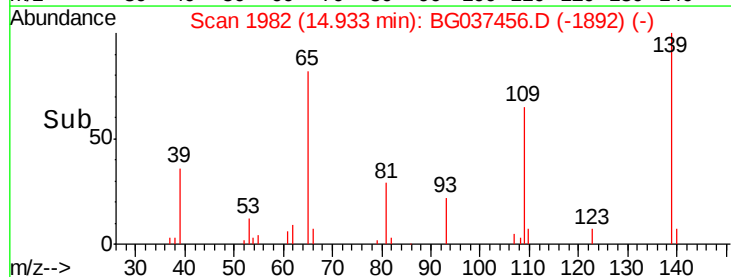
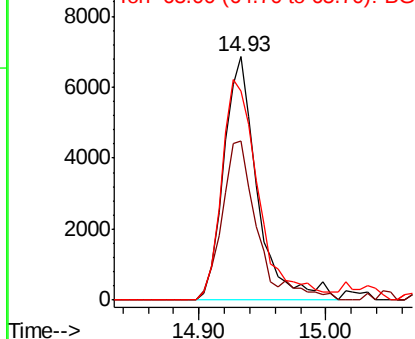


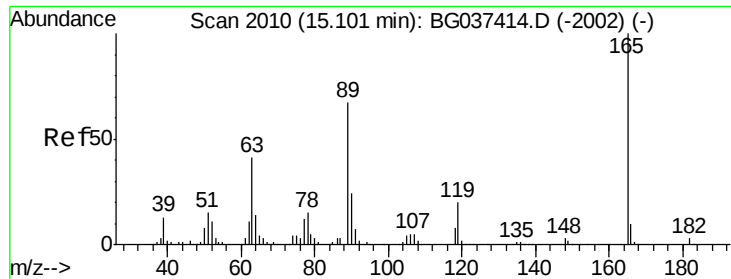
#56
4-Nitrophenol
Concen: 5.443 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:139 Resp: 12557
Ion Ratio Lower Upper
139 100
109 65.2 49.5 89.5
65 85.9 76.8 116.8



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

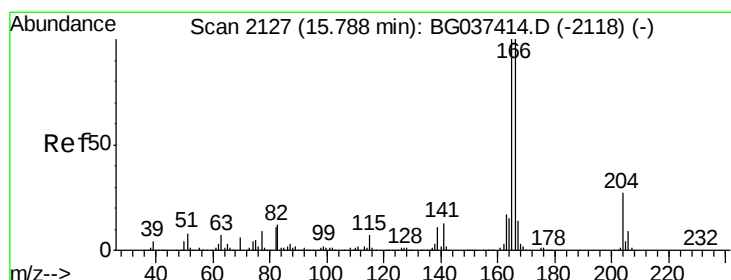
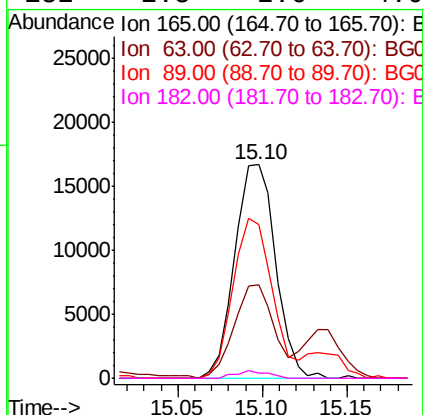
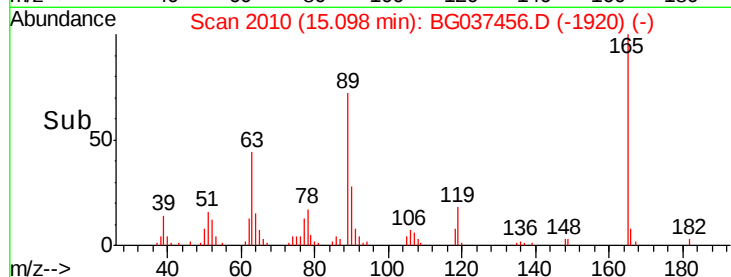
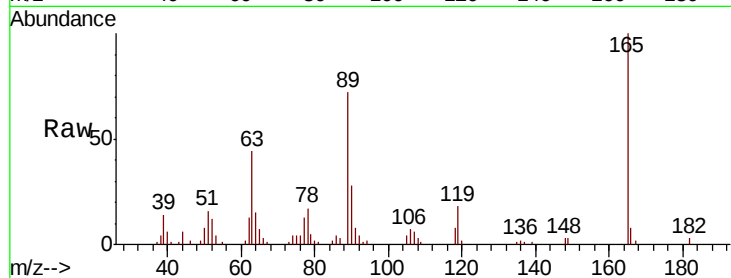




#57
2,4-Dinitrotoluene
Concen: 7.629 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

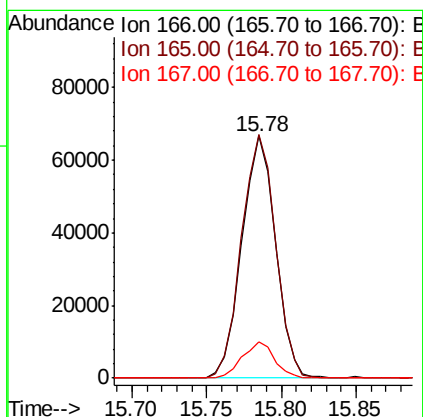
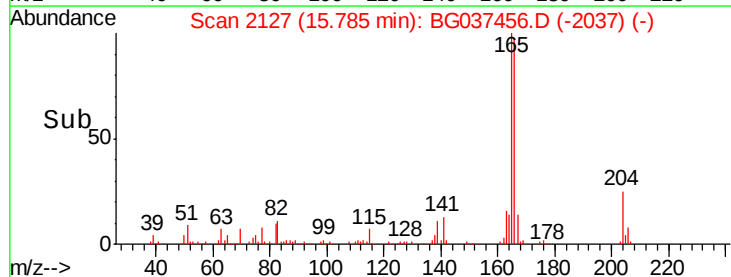
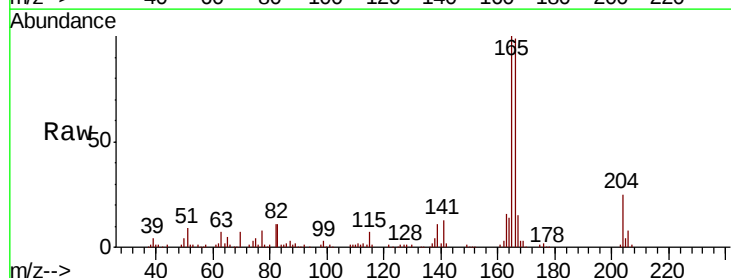
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

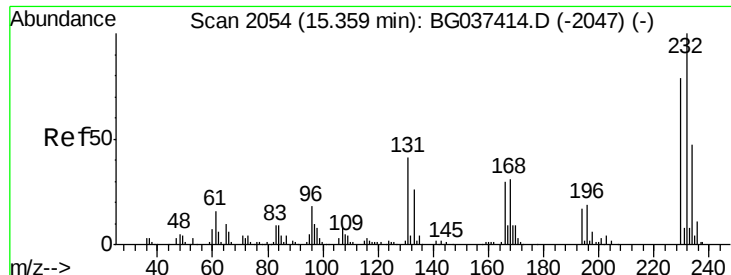
Tgt Ion	Ratio	Lower	Upper
165	100		
63	43.9	33.4	50.0
89	71.7	57.2	85.8
182	2.5	2.6	4.0



#58
Fluorene
Concen: 8.799 ng
RT: 15.78 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.0	118.6
167	15.0	11.3	16.9

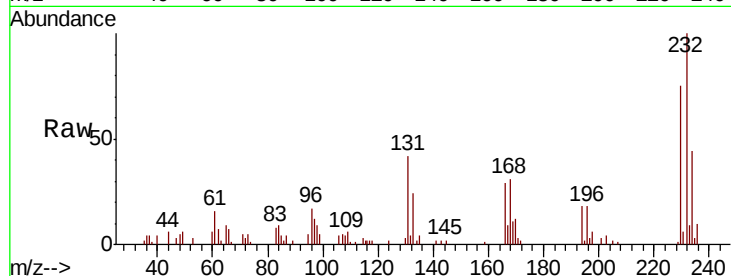




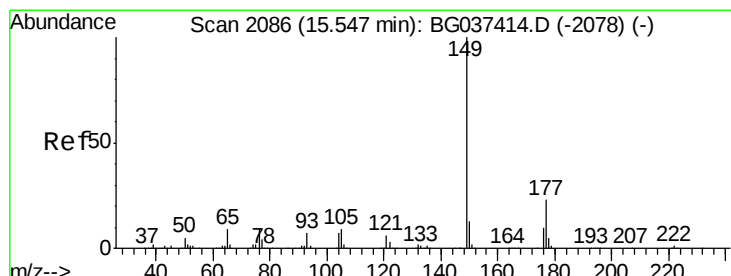
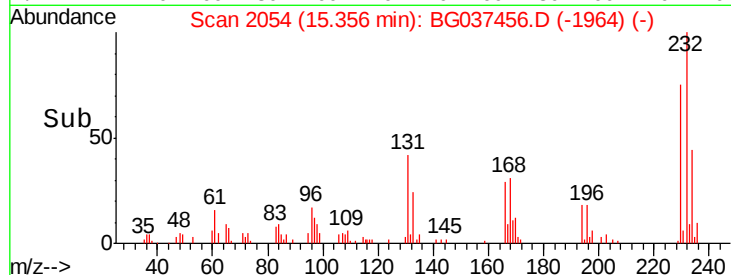
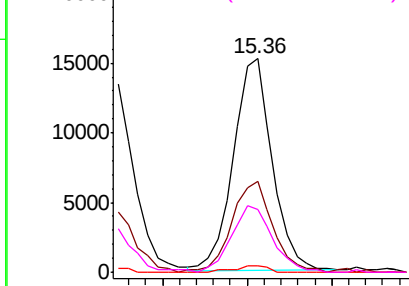
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.355 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

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

Tgt Ion:	232	Resp:	24239
Ion	Ratio	Lower	Upper
232	100		
131	45.0	33.7	50.5
130	2.6	2.1	3.1
166	33.1	24.6	36.8

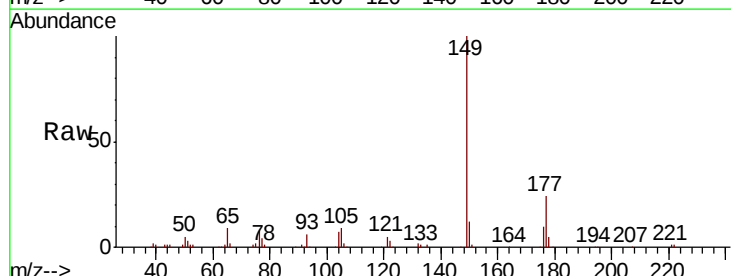


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

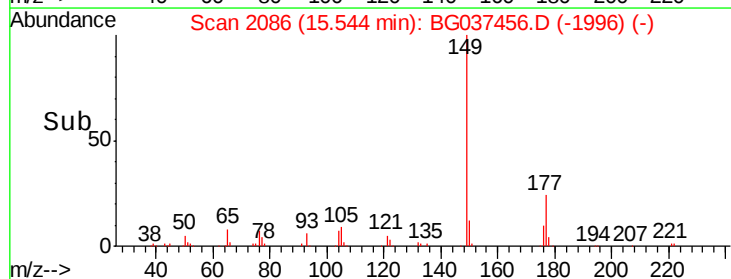
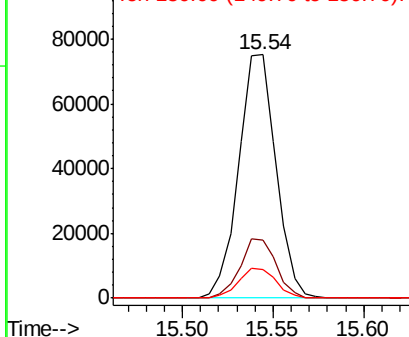


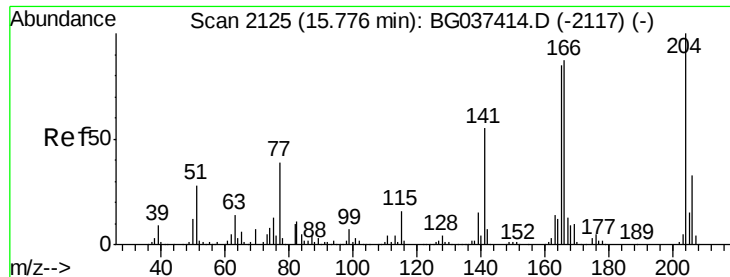
#60
 Diethylphthalate
 Concen: 8.249 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion:	149	Resp:	107482
Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.3	27.5
150	12.0	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

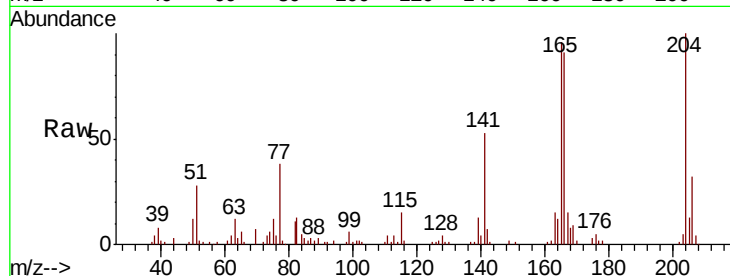




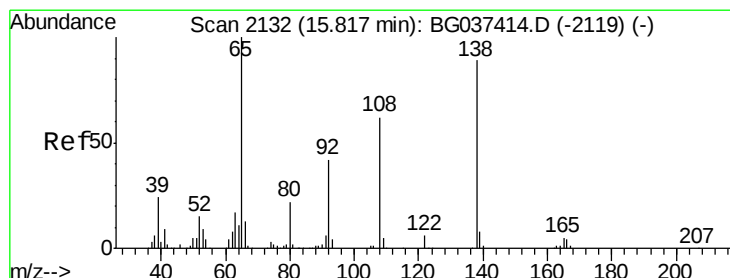
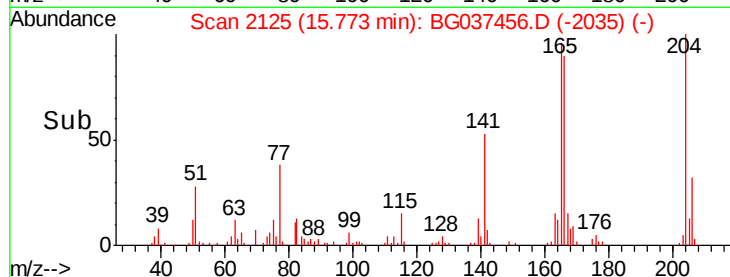
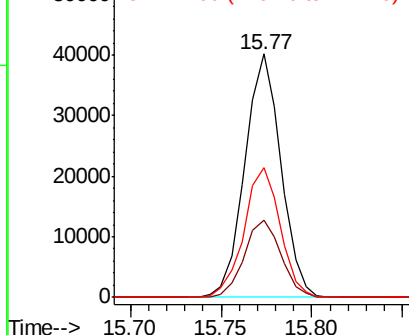
#61
 4-Chlorophenyl-phenylether
 Concen: 8.049 ng
 RT: 15.77 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

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

Tgt Ion: 204 Resp: 55432
 Ion Ratio Lower Upper
 204 100
 206 31.8 26.6 39.8
 141 53.4 45.4 68.2

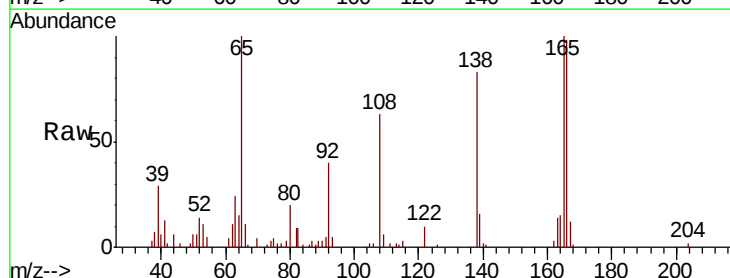


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

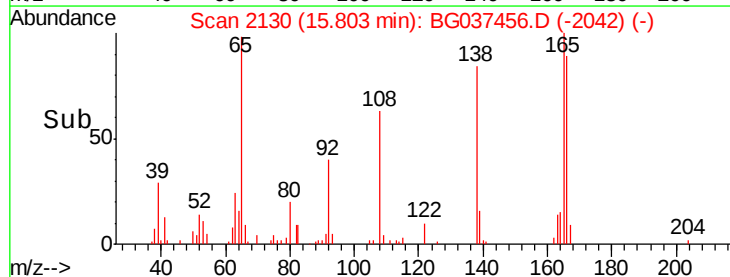
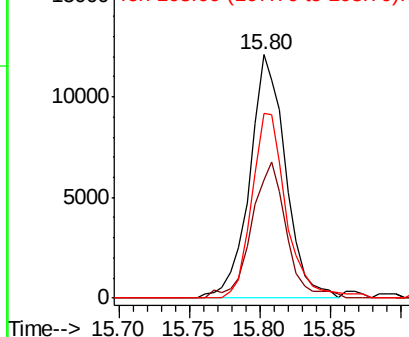


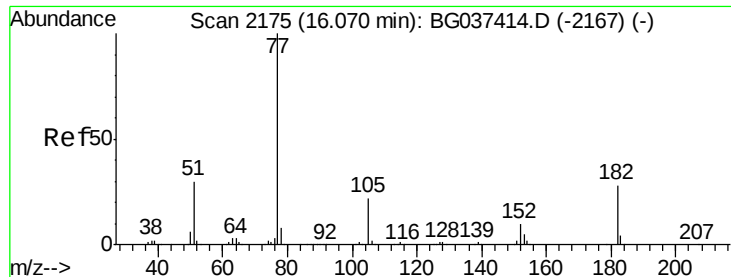
#62
 4-Nitroaniline
 Concen: 6.948 ng
 RT: 15.80 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion: 138 Resp: 21519
 Ion Ratio Lower Upper
 138 100
 92 48.4 36.4 76.4
 108 75.8 60.1 100.1



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E

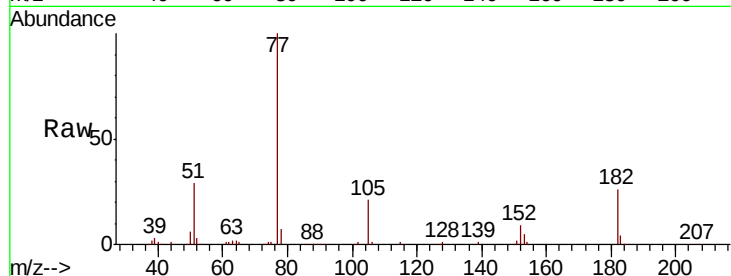




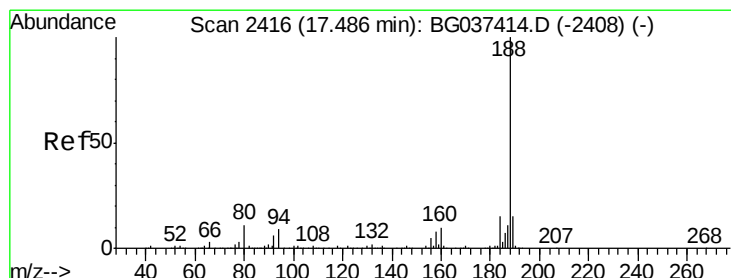
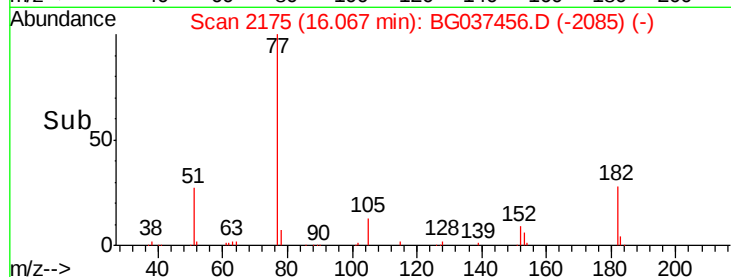
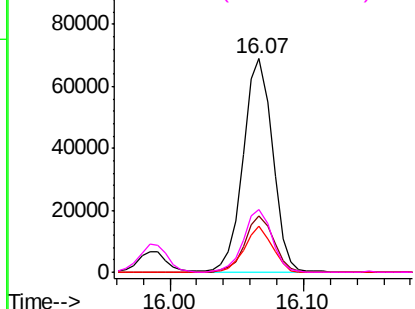
#63
Azobenzene
Concen: 8.469 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.3	8.0	48.0
105	21.4	1.3	41.3
51	29.1	10.7	50.7

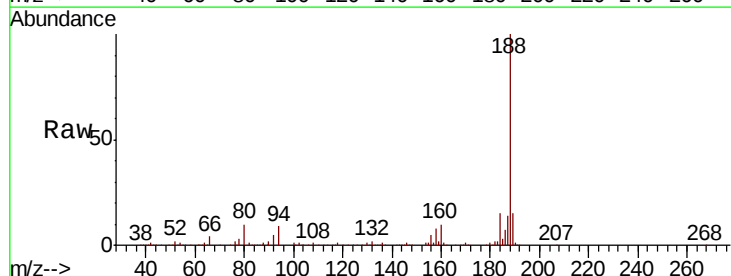


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

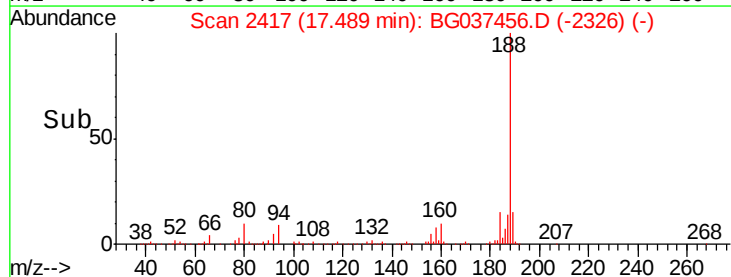
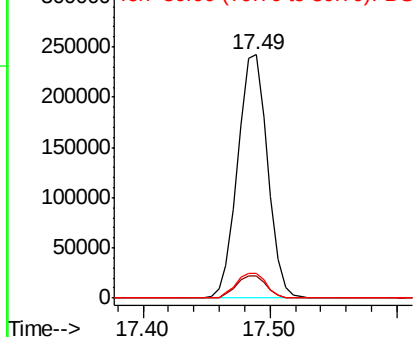


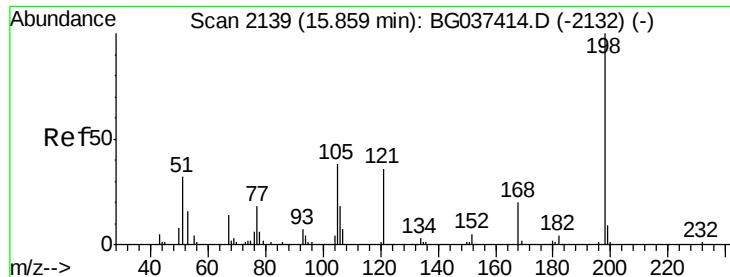
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.1	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

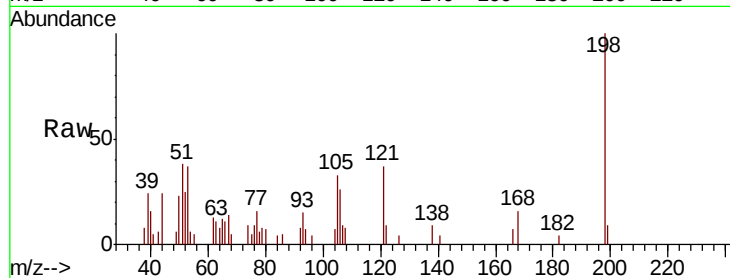




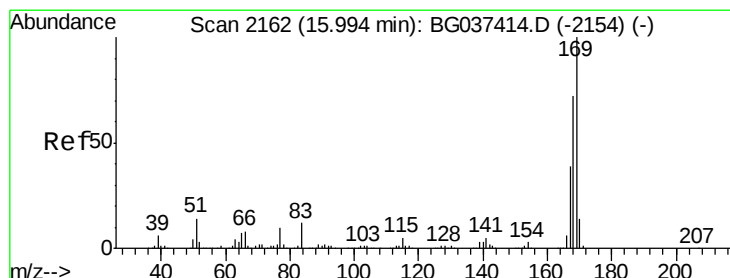
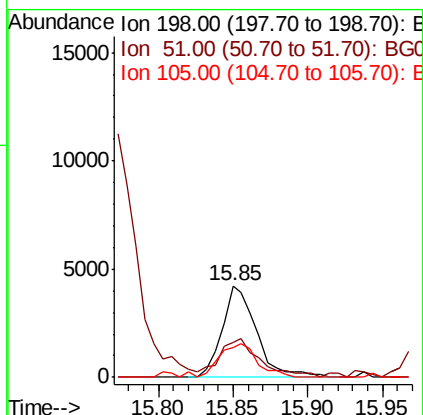
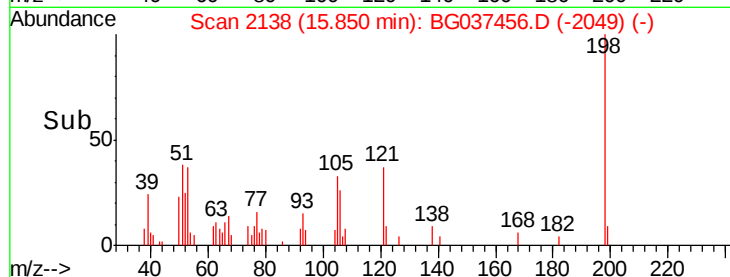
#65
4,6-Dinitro-2-methylphenol
Concen: 11.212 ng
RT: 15.85 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion:198 Resp: 6826
Ion Ratio Lower Upper
198 100
51 37.9 22.7 62.7
105 32.8 19.7 59.7

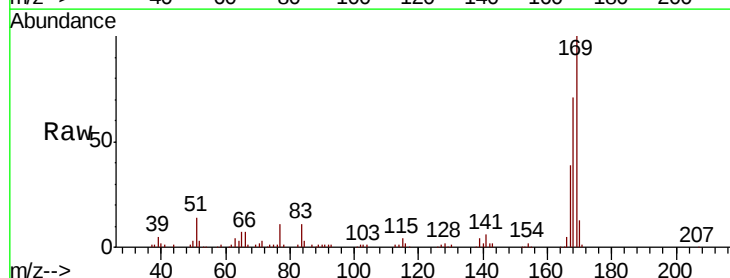


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

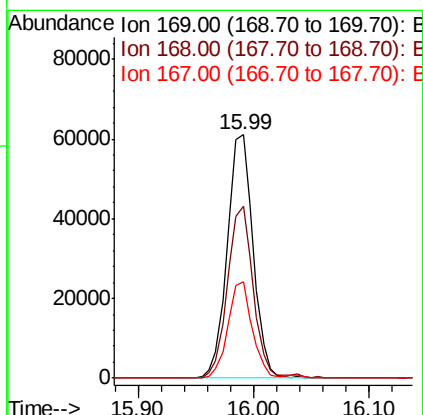
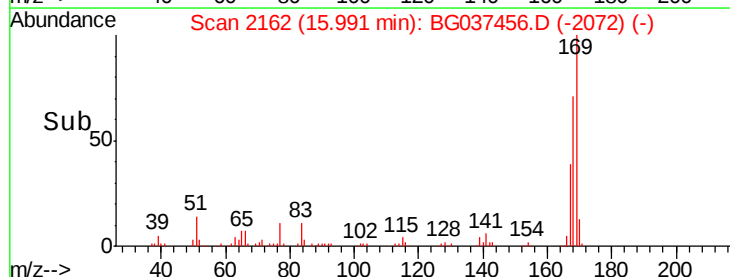


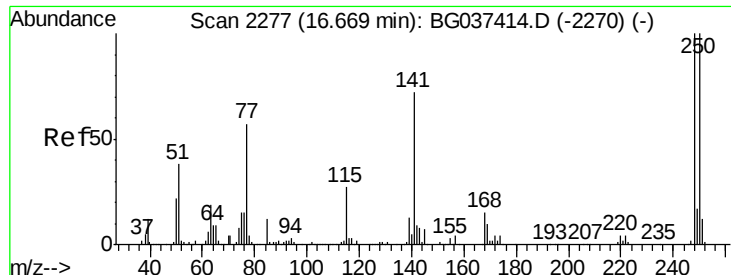
#66
n-Nitrosodiphenylamine
Concen: 7.940 ng
RT: 15.99 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:169 Resp: 94511
Ion Ratio Lower Upper
169 100
168 70.6 55.7 83.5
167 39.4 31.3 46.9



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

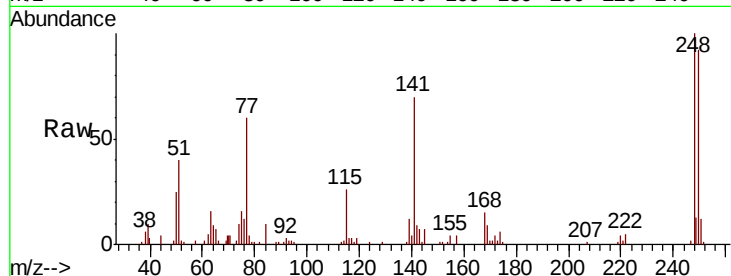




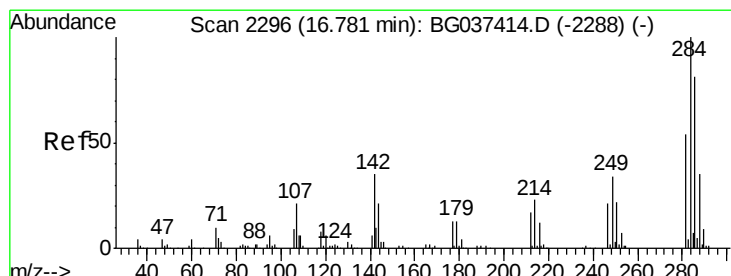
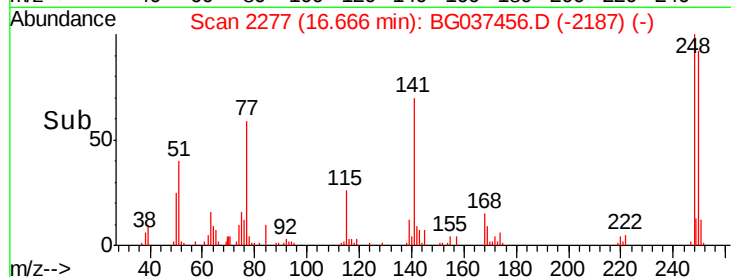
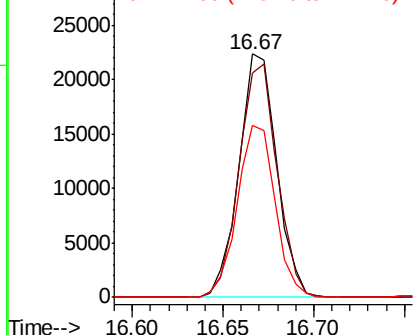
#67
 4-Bromophenyl-phenylether
 Concen: 7.452 ng
 RT: 16.67 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

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

Tgt Ion:248 Resp: 32383
 Ion Ratio Lower Upper
 248 100
 250 92.0 77.0 115.6
 141 70.5 55.5 83.3

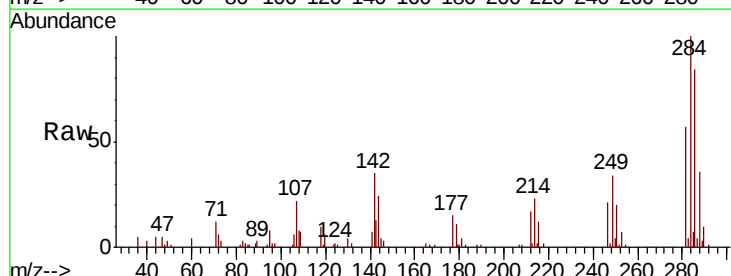


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

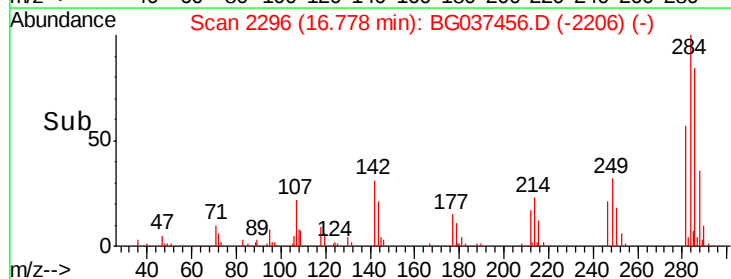
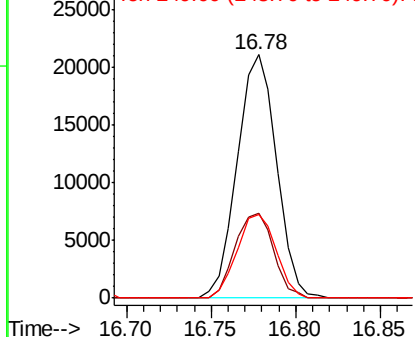


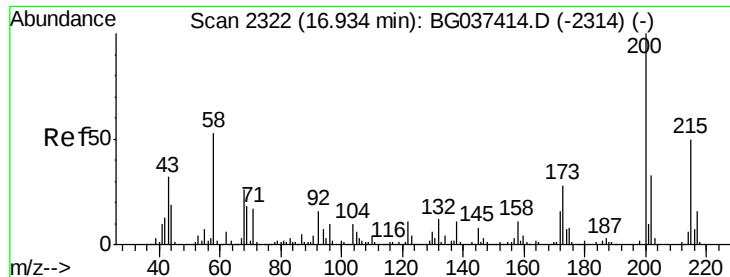
#68
 Hexachlorobenzene
 Concen: 7.579 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion:284 Resp: 34133
 Ion Ratio Lower Upper
 284 100
 142 34.7 28.1 42.1
 249 37.9 29.8 44.8



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

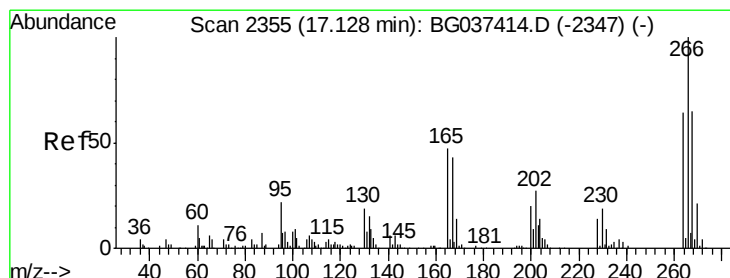
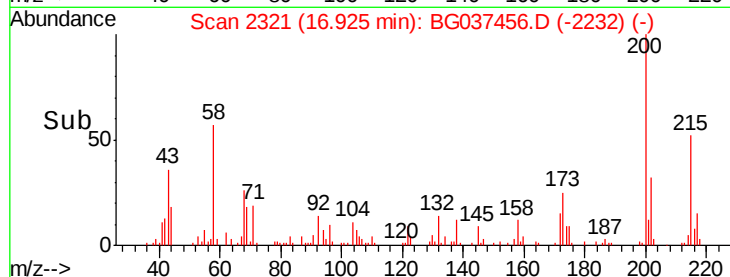
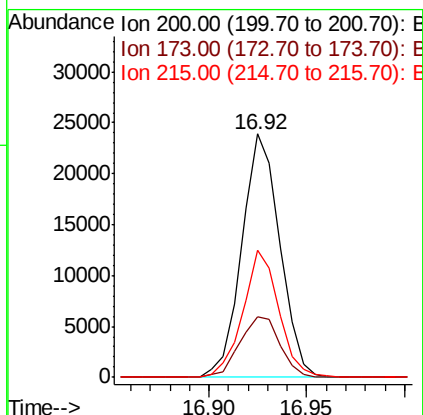
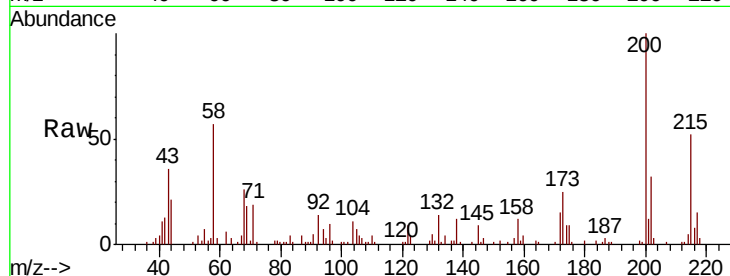




#69
 Atrazine
 Concen: 7.485 ng
 RT: 16.92 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

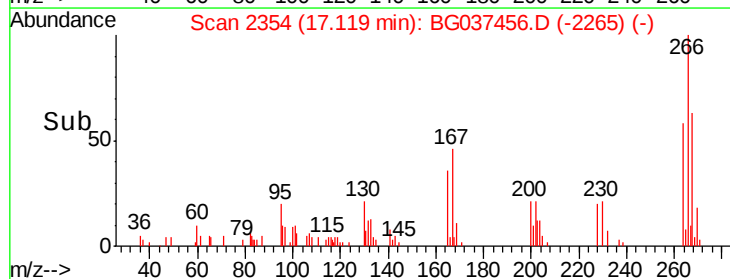
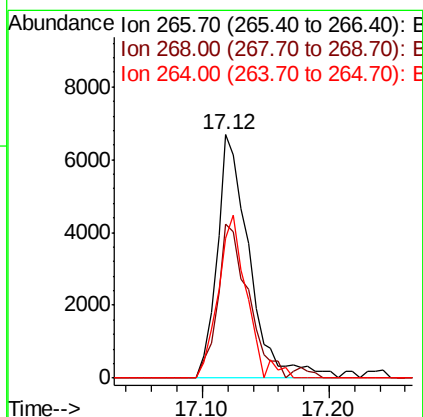
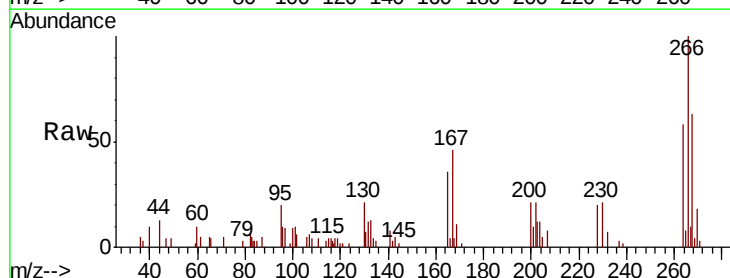
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:200 Resp: 32214
 Ion Ratio Lower Upper
 200 100
 173 25.0 6.1 46.1
 215 52.2 30.8 70.8



#70
 Pentachlorophenol
 Concen: 3.891 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion:266 Resp: 11738
 Ion Ratio Lower Upper
 266 100
 268 63.5 55.0 82.6
 264 65.6 58.9 88.3

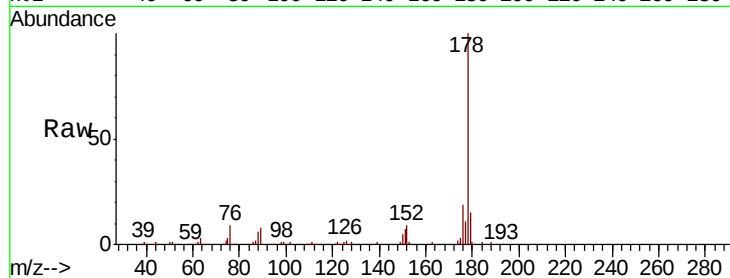




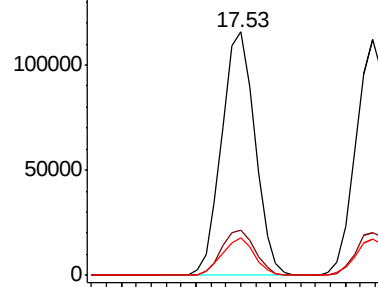
#71
Phenanthrene
Concen: 8.877 ng
RT: 17.53 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

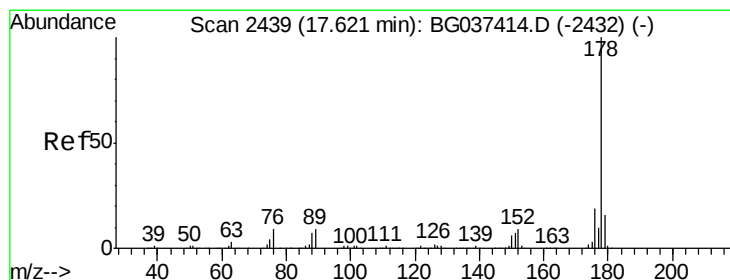
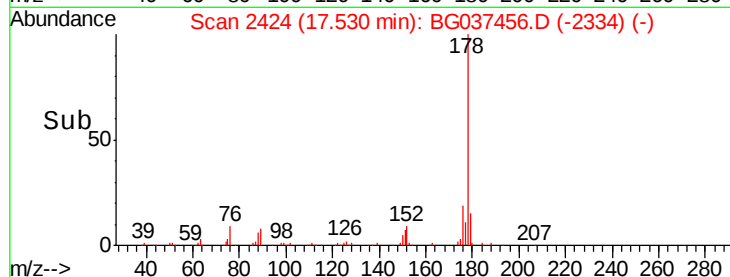
Tgt Ion:178 Resp: 178524
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 15.3 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

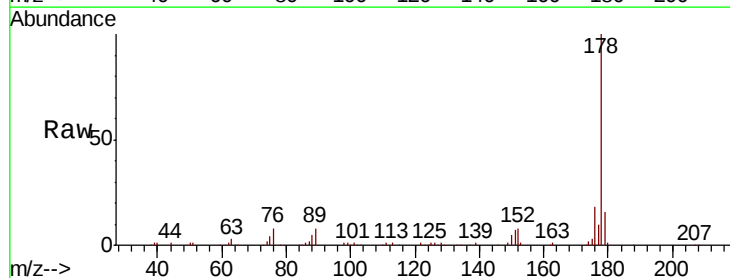


Time-->

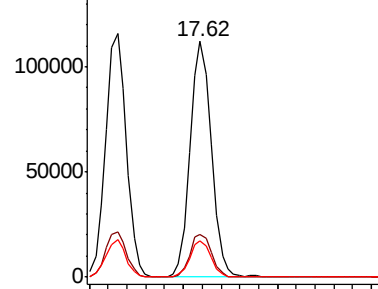


#72
Anthracene
Concen: 9.034 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

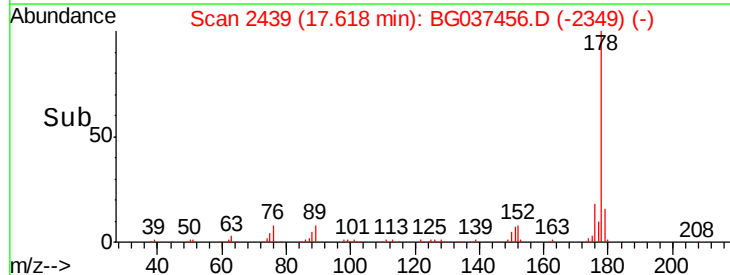
Tgt Ion:178 Resp: 178289
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.4
179 15.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->

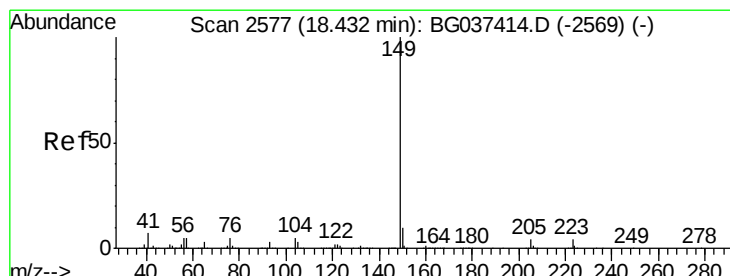
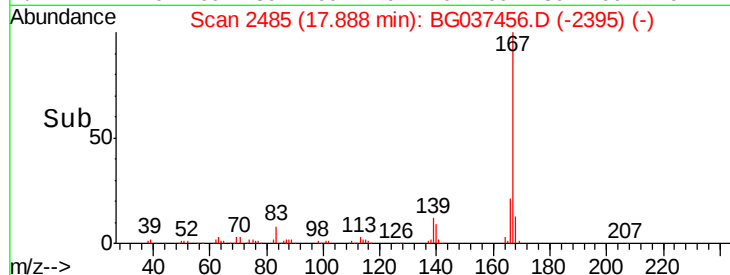
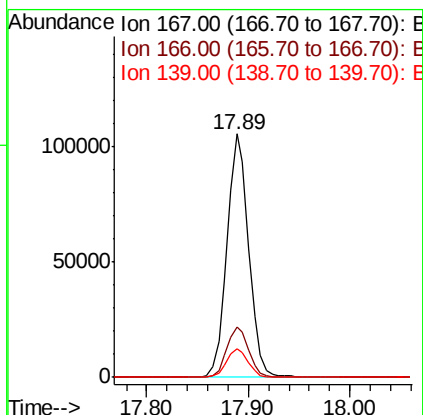
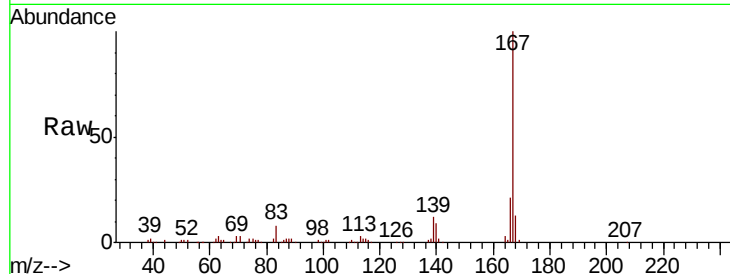




#73
 Carbazole
 Concen: 7.904 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

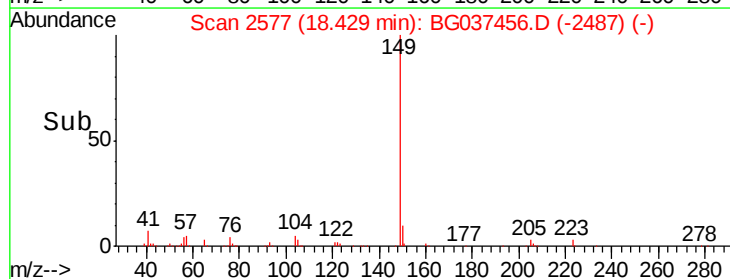
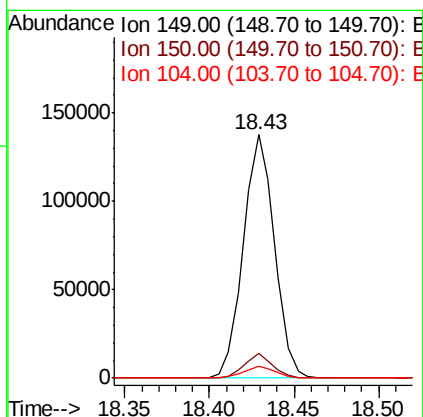
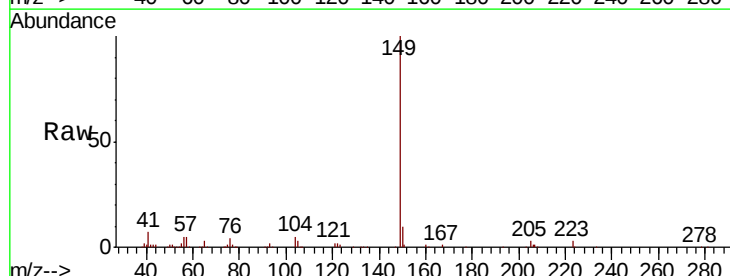
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	18.3	27.5
139	11.6	10.5	15.7



#74
 Di-n-butylphthalate
 Concen: 8.055 ng
 RT: 18.43 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: BG037456.D
 Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.2	12.2
104	4.8	4.0	6.0





#75

Fluoranthene

Concen: 8.798 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

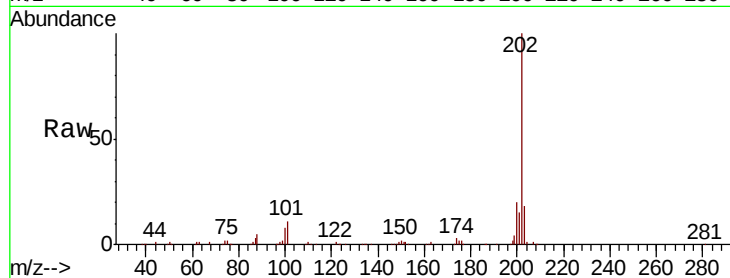
Tgt Ion:202 Resp: 200675

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.7

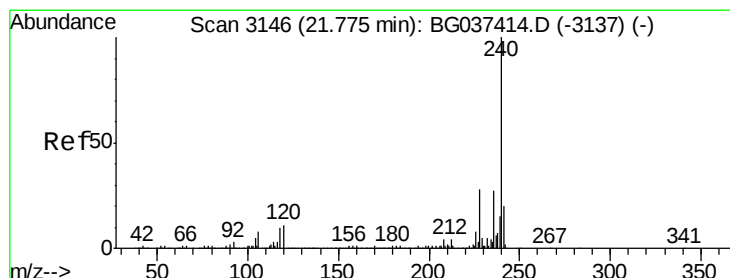
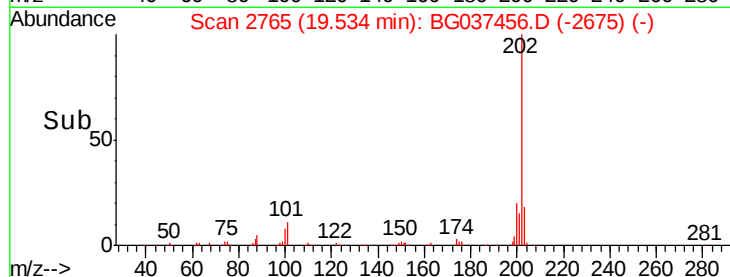
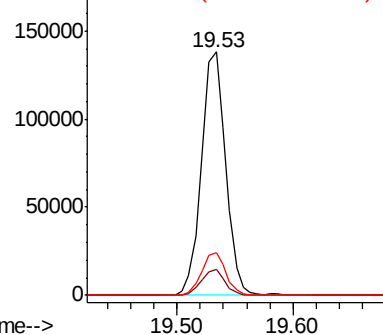
203 17.7 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

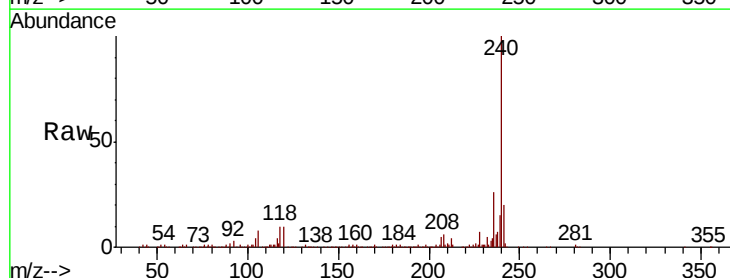
Tgt Ion:240 Resp: 369779

Ion Ratio Lower Upper

240 100

120 10.0 8.1 12.1

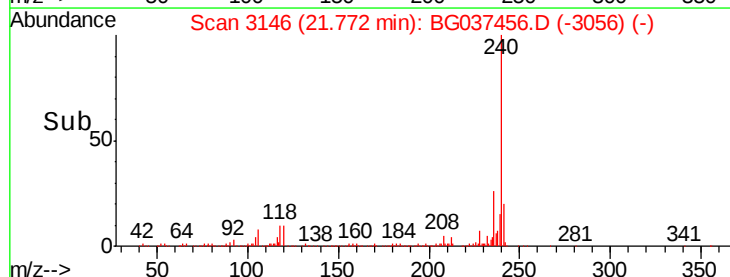
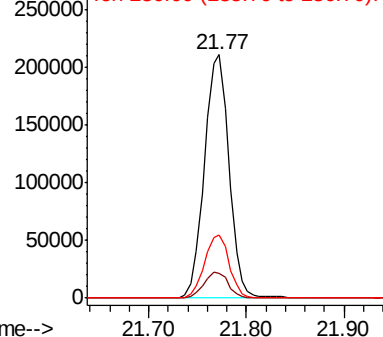
236 25.8 21.4 32.0

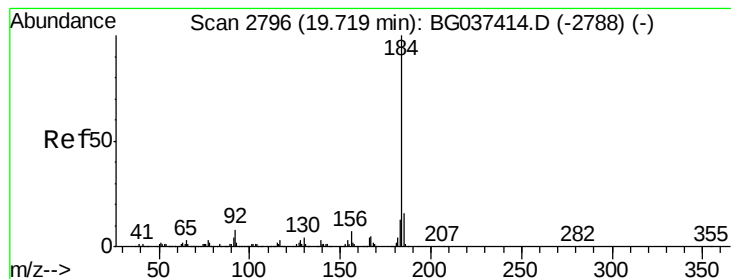


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.740 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

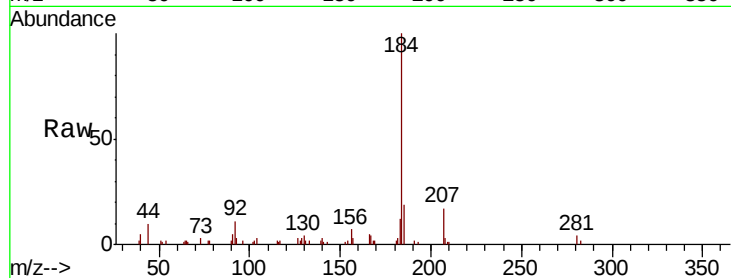
Tgt Ion:184 Resp: 21876

Ion Ratio Lower Upper

184 100

185 18.8 12.6 18.8

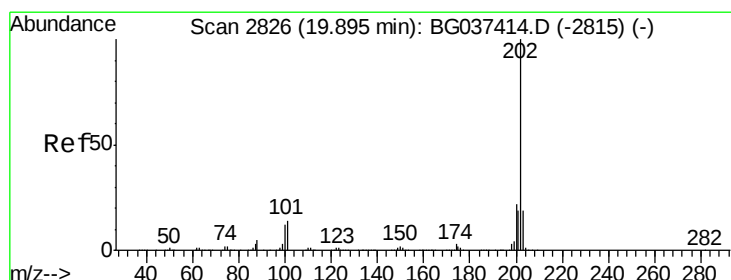
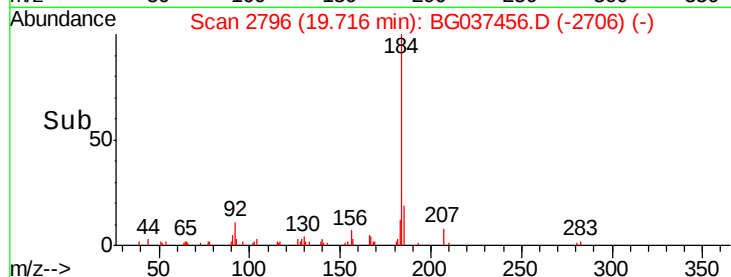
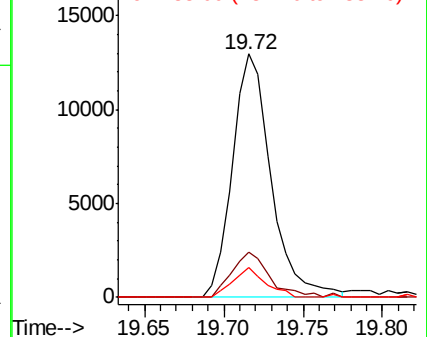
183 12.2 10.2 15.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.452 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

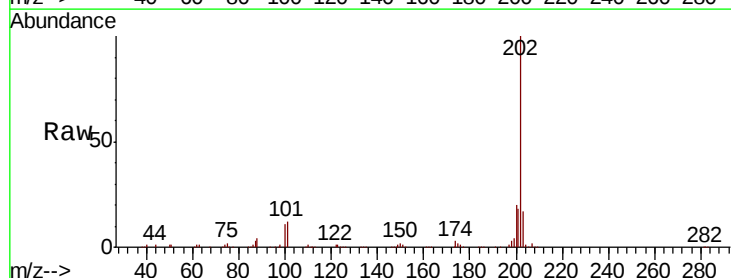
Tgt Ion:202 Resp: 204312

Ion Ratio Lower Upper

202 100

200 20.2 17.8 26.6

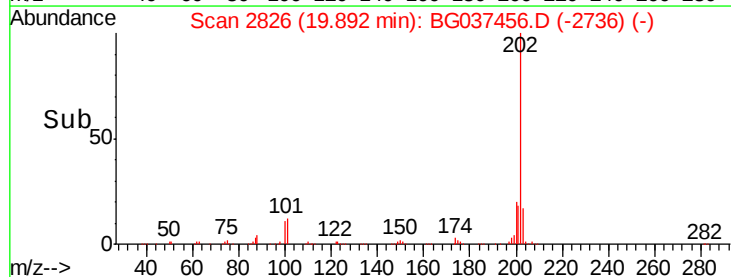
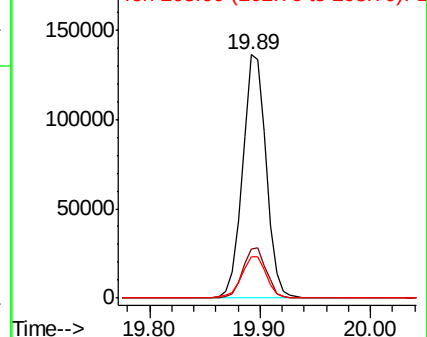
203 17.2 15.2 22.8



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: 77.688 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

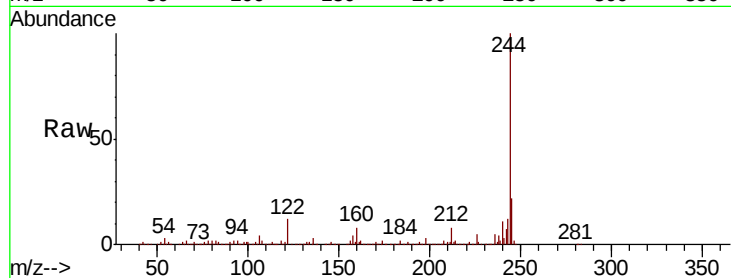
Tgt Ion:244 Resp: 1344431

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

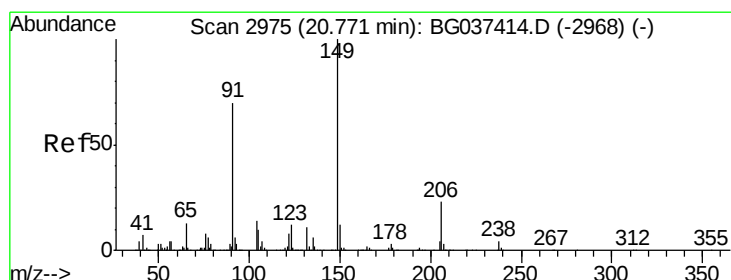
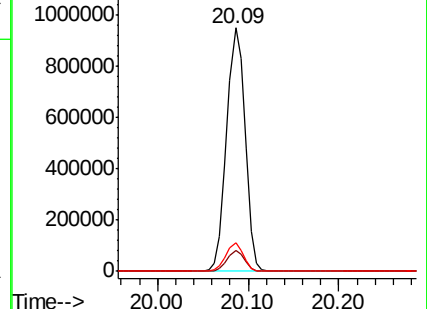
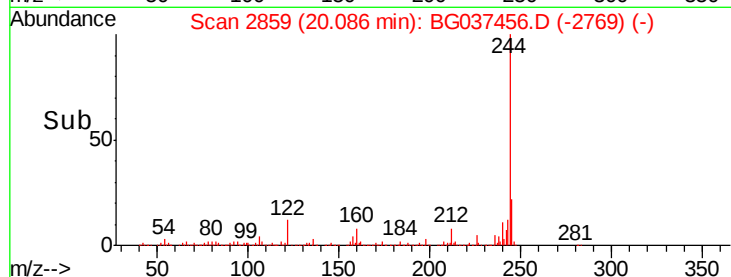
122 11.6 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.214 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

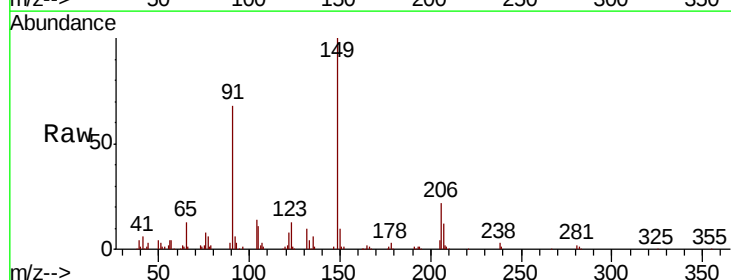
Tgt Ion:149 Resp: 71373

Ion Ratio Lower Upper

149 100

91 67.5 57.0 85.4

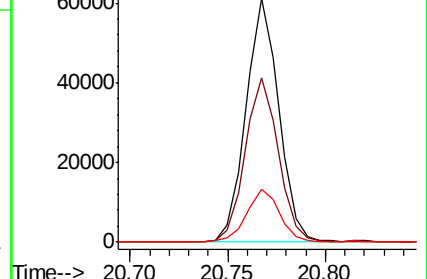
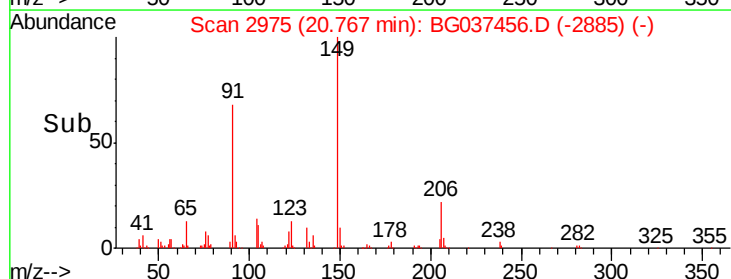
206 21.5 17.8 26.6

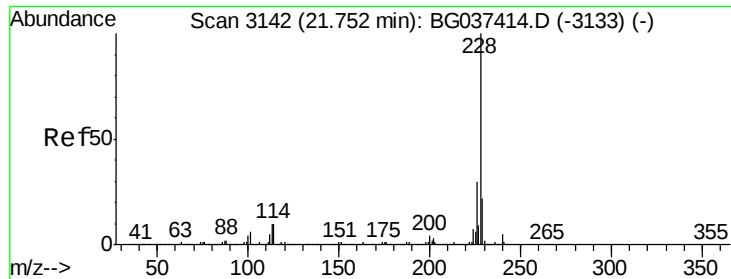


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

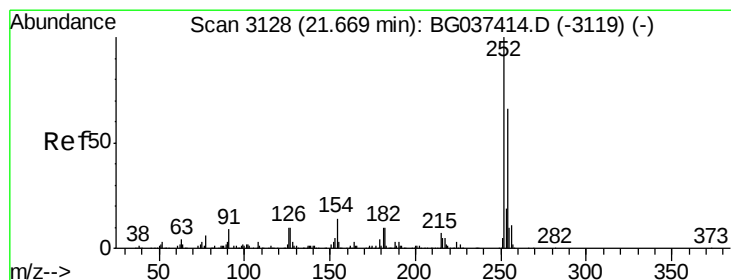
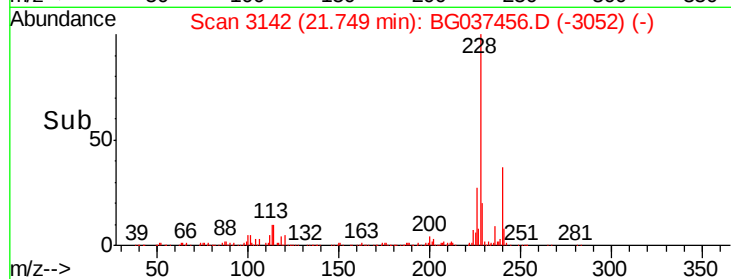
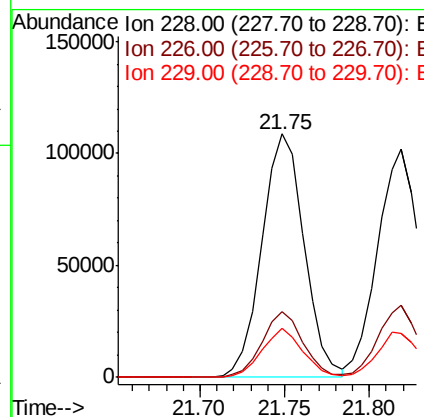
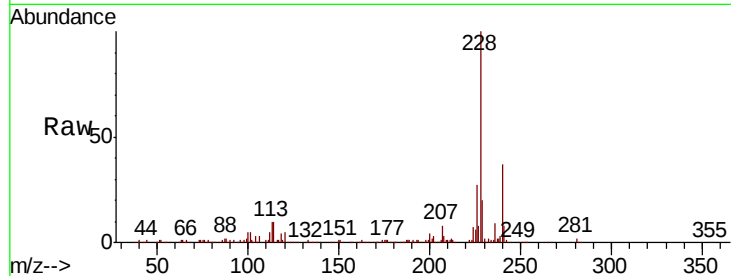




#81
Benzo(a)anthracene
Concen: 8.596 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

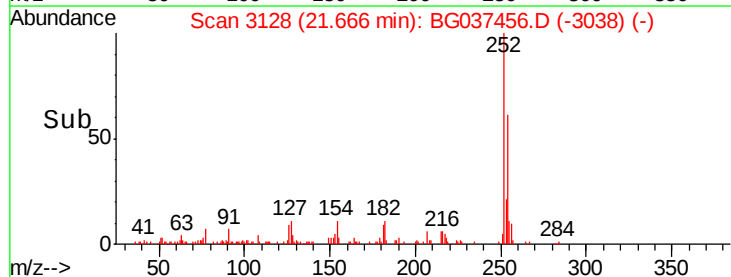
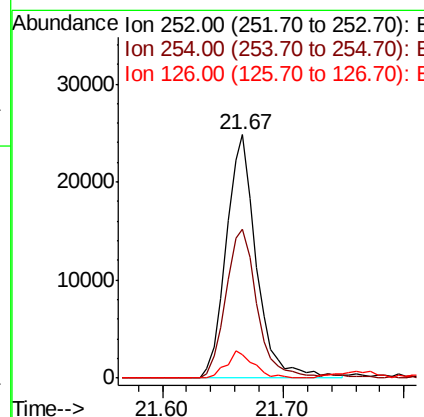
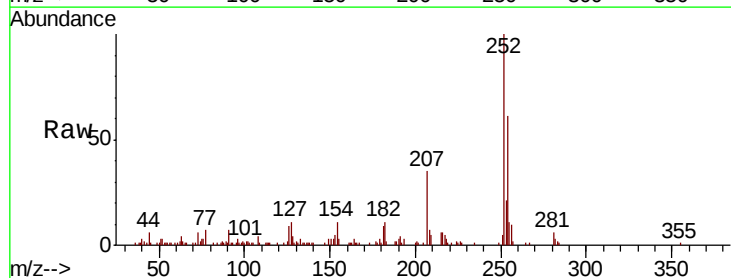
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

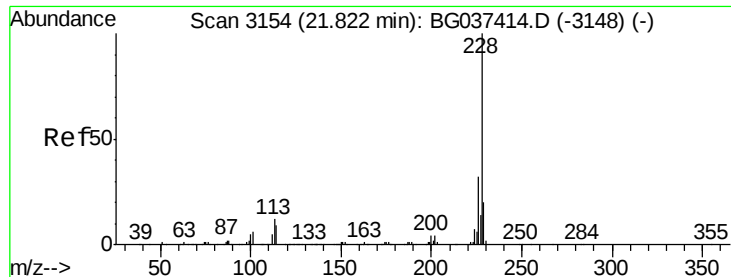
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	20.2	16.3	24.5



#82
3,3'-Dichlorobenzidine
Concen: 5.069 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.0	52.0	78.0
126	9.4	8.2	12.4





#83

Chrysene

Concen: 8.394 ng

RT: 21.82 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

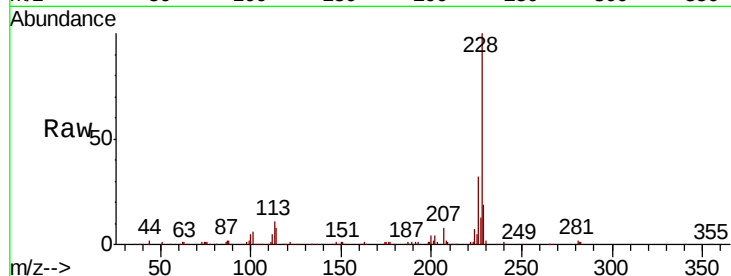
Tgt Ion:228 Resp: 176546

Ion Ratio Lower Upper

228 100

226 31.9 25.7 38.5

229 19.3 16.5 24.7

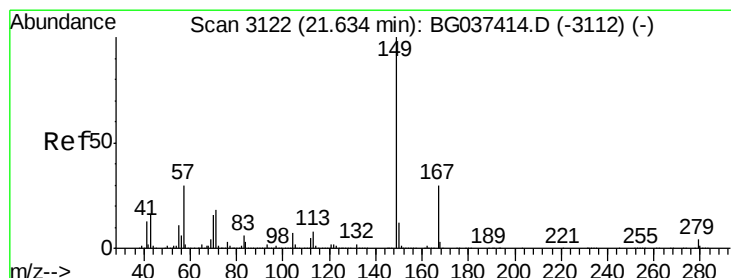
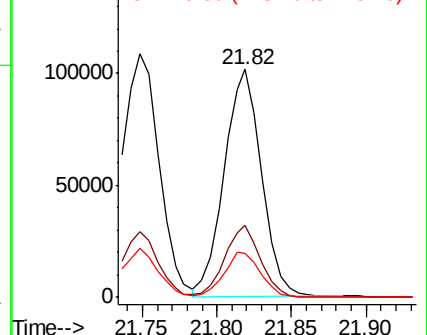
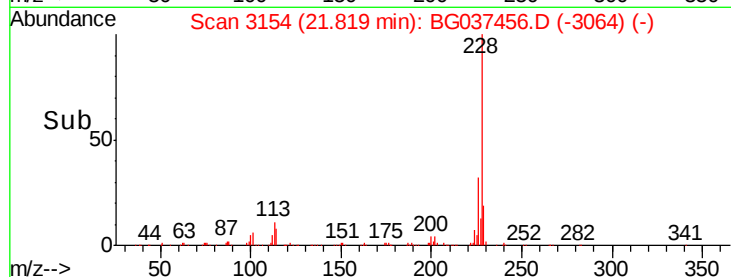


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.193 ng

RT: 21.63 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

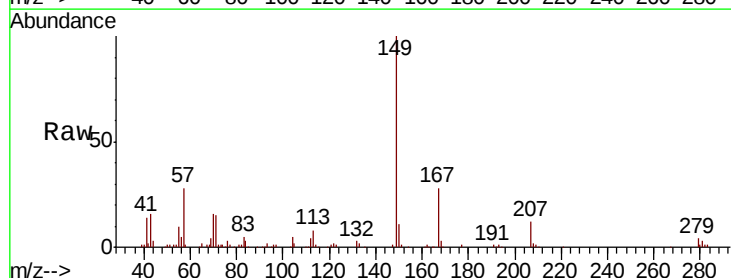
Tgt Ion:149 Resp: 99747

Ion Ratio Lower Upper

149 100

167 28.4 23.0 34.4

279 4.2 3.6 5.4

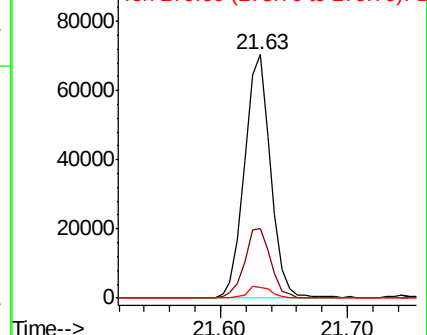
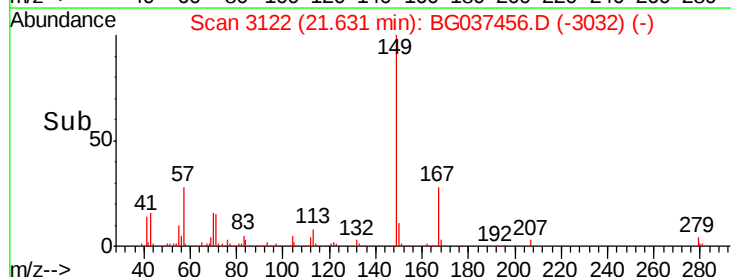


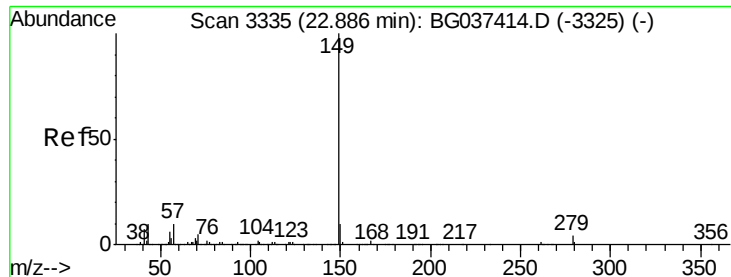
Abundance

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

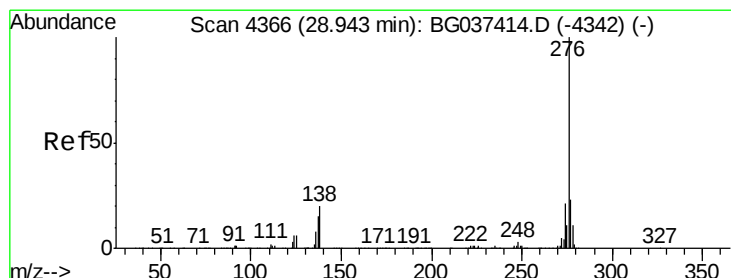
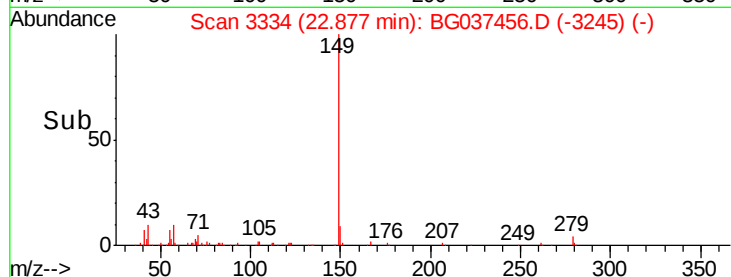
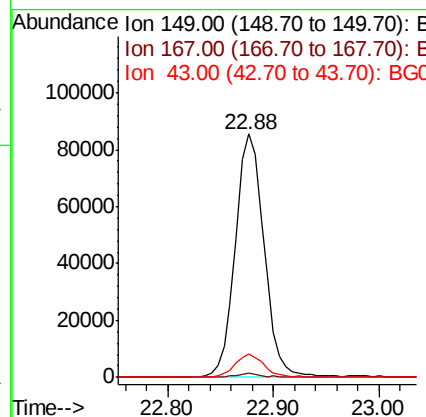
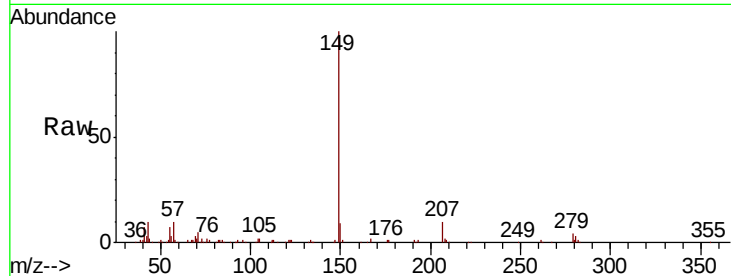




#85
Di-n-octyl phthalate
Concen: 7.097 ng
RT: 22.88 min Scan# 3334
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

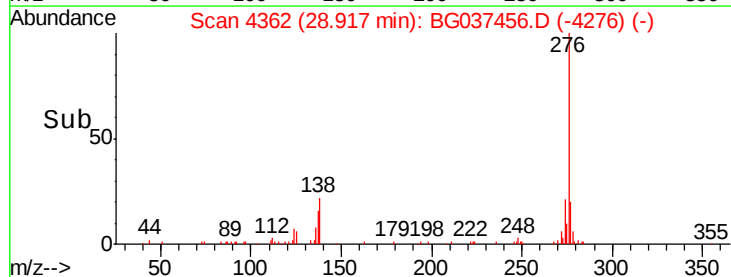
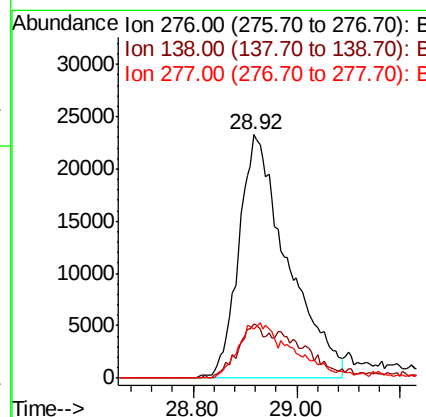
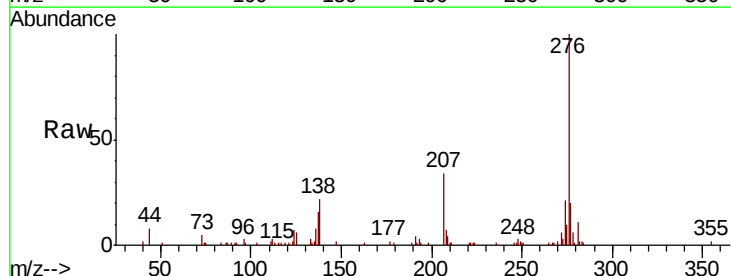
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

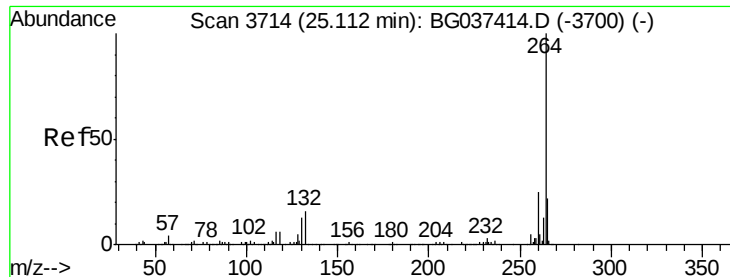
Tgt Ion:149 Resp: 160483
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 9.7 8.7 13.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.707 ng
RT: 28.92 min Scan# 4362
Delta R.T. -0.03 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:276 Resp: 151305
Ion Ratio Lower Upper
276 100
138 12.0 12.0 18.0#
277 7.8 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: BG037456.D

Acq: 19 Oct 2018 16:36

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

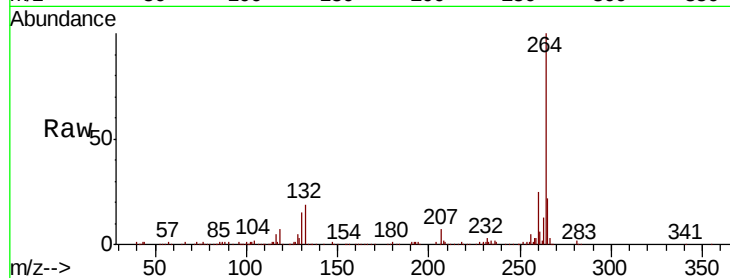
Tgt Ion:264 Resp: 366700

Ion Ratio Lower Upper

264 100

260 25.1 18.2 27.4

265 22.3 17.9 26.9

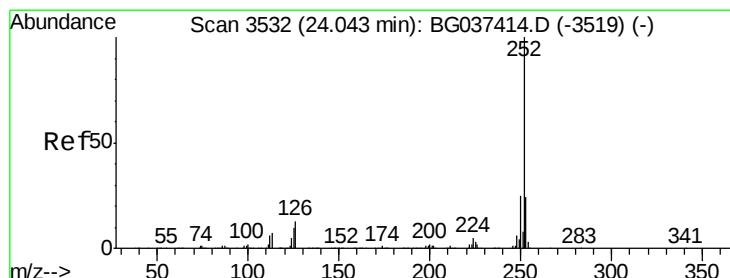
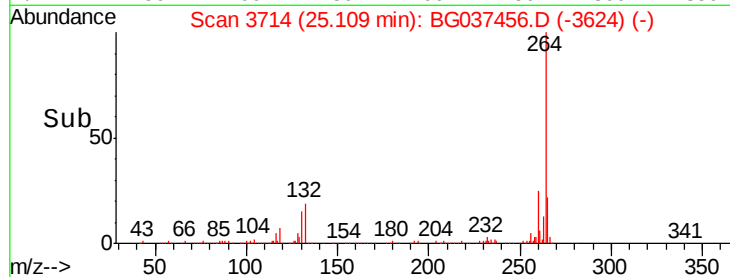
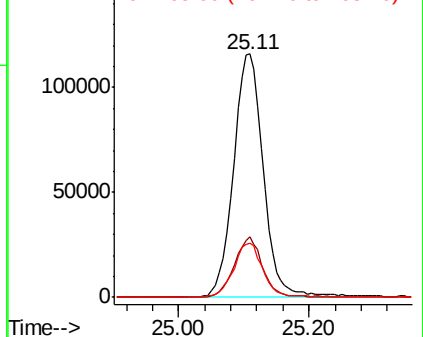


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.303 ng

RT: 24.03 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037456.D

Acq: 19 Oct 2018 16:36

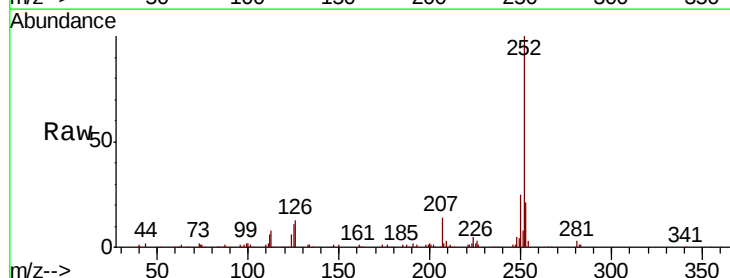
Tgt Ion:252 Resp: 166917

Ion Ratio Lower Upper

252 100

253 21.1 18.2 27.2

125 11.3 7.8 11.6

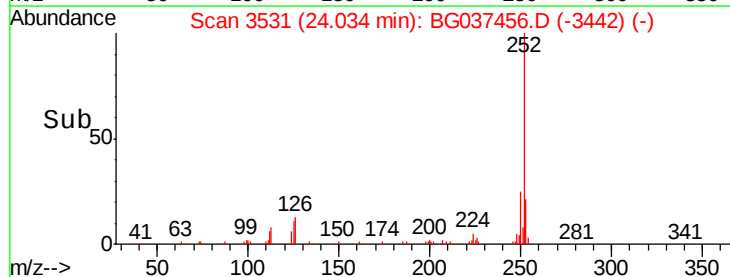
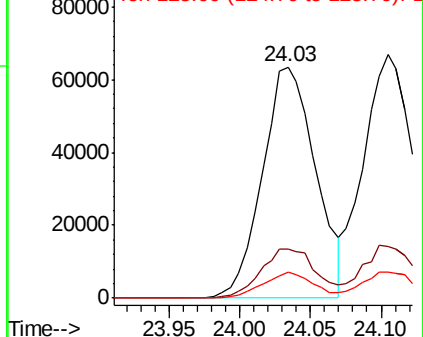


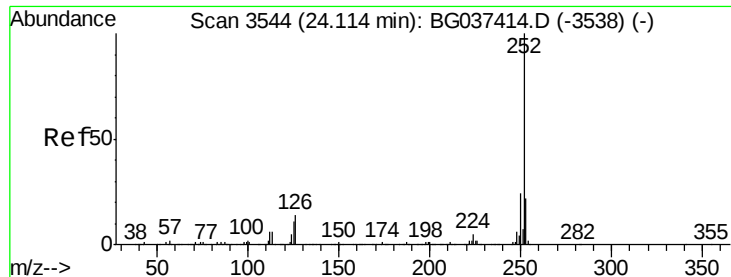
Abundance

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

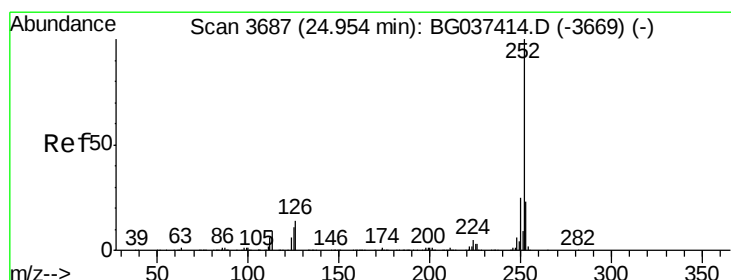
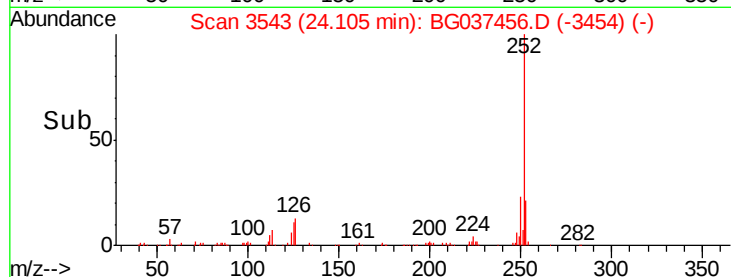
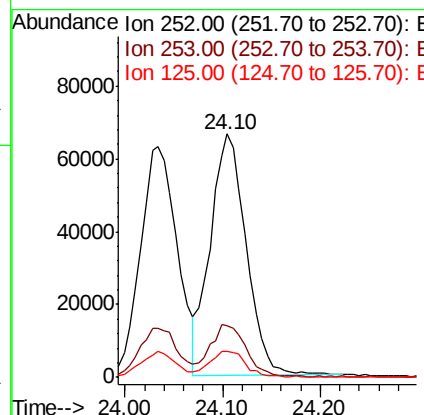
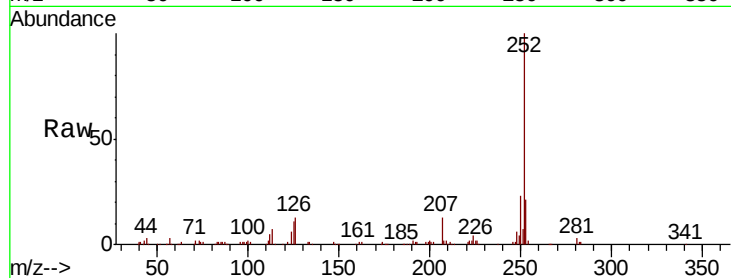




#89
Benzo(k)fluoranthene
Concen: 8.634 ng
RT: 24.10 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

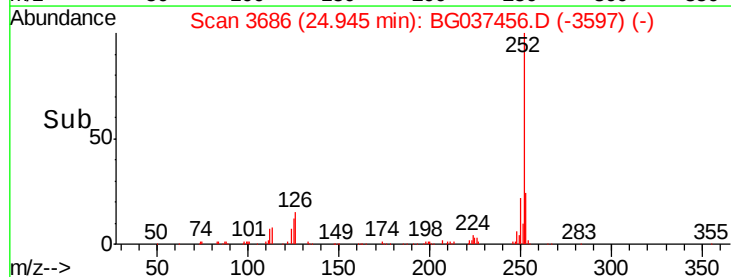
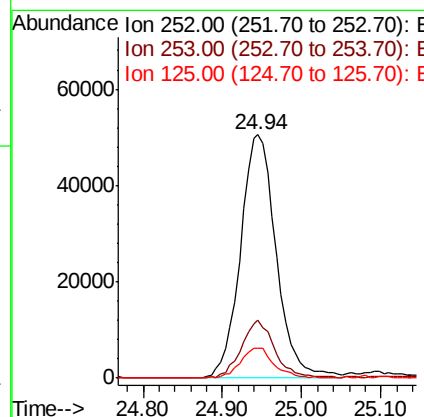
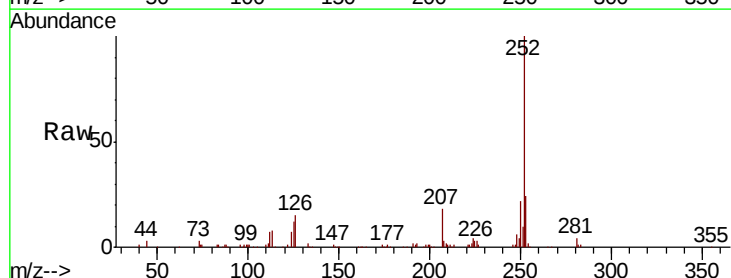
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

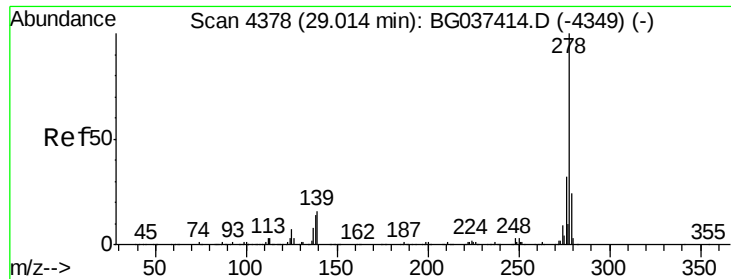
Tgt Ion:252 Resp: 170059
Ion Ratio Lower Upper
252 100
253 21.0 17.4 26.2
125 10.7 7.4 11.0



#90
Benzo(a)pyrene
Concen: 8.285 ng
RT: 24.94 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion:252 Resp: 158273
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 12.1 9.0 13.6

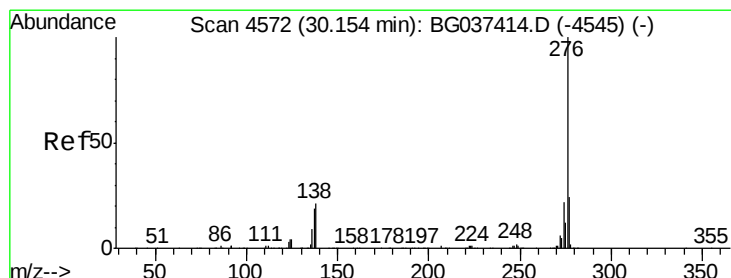
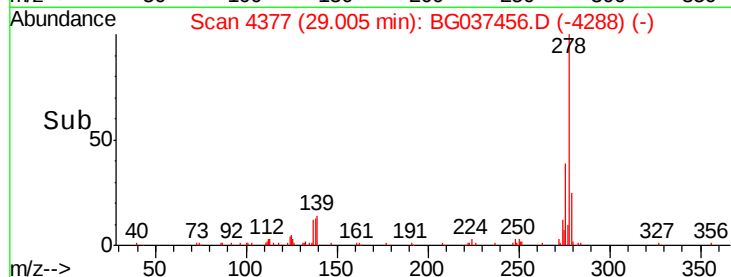
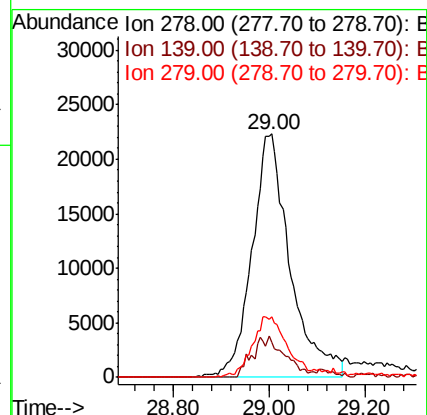
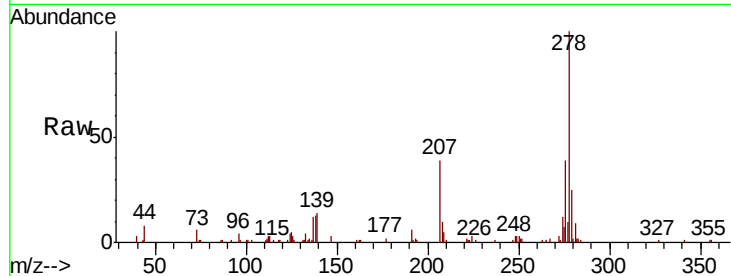




#91
Dibenzo(a,h)anthracene
Concen: 7.017 ng
RT: 29.00 min Scan# 4377
Delta R.T. -0.01 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.5	17.3
279	24.9	18.6	27.8



#92
Benzo(g,h,i)perylene
Concen: 7.481 ng
RT: 30.12 min Scan# 4567
Delta R.T. -0.03 min
Lab File: BG037456.D
Acq: 19 Oct 2018 16:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.9	28.3
138	22.8	17.2	25.8

