

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032819\
 Data File : BG040195.D
 Acq On : 28 Mar 2019 11:42
 Operator : JU/SJ
 Sample : K1560-03
 Misc : MDL 8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Quant Time: Mar 29 05:42:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	52078	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	217321	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	133433	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	325380	20.00	ng	0.00
76) Chrysene-d12	21.72	240	343758	20.00	ng	0.00
87) Perylene-d12	25.02	264	347549	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	409333	130.67	ng	0.00
7) Phenol-d6	7.22	99	562980	130.04	ng	0.00
23) Nitrobenzene-d5	9.24	82	375612	91.87	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	206084	142.91	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	859953	95.50	ng	0.00
79) Terphenyl-d14	20.05	244	1359259	88.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	11746	7.974	ng	97
3) Pyridine	3.93	79	31526	7.949	ng	96
4) n-Nitrosodimethylamine	3.85	42	13182	7.185	ng	# 85
6) Aniline	7.40	93	40817	7.257	ng	94
8) 2-Chlorophenol	7.63	128	28100	7.663	ng	91
9) Benzaldehyde	7.21	77	24107	8.118	ng	95
10) Phenol	7.24	94	35413	7.536	ng	91
11) bis(2-Chloroethyl)ether	7.49	93	28639	7.609	ng	97
12) 1,3-Dichlorobenzene	7.96	146	30098	7.550	ng	94
13) 1,4-Dichlorobenzene	8.10	146	31233	7.867	ng	92
14) 1,2-Dichlorobenzene	8.42	146	29200	7.691	ng	91
15) Benzyl Alcohol	8.31	79	23635	6.779	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.59	45	52871	7.319	ng	98
17) 2-Methylphenol	8.51	107	23571	7.249	ng	96
18) Hexachloroethane	9.15	117	10890	7.211	ng	# 83
19) n-Nitroso-di-n-propylamine	8.87	70	22939	7.390	ng	# 94
20) 3+4-Methylphenols	8.83	107	31100	7.060	ng	92
22) Acetophenone	8.90	105	43791	8.078	ng	# 99
24) Nitrobenzene	9.29	77	34025	8.036	ng	93
25) Isophorone	9.80	82	62298	7.405	ng	99
26) 2-Nitrophenol	10.00	139	13729	6.843	ng	98
27) 2,4-Dimethylphenol	10.04	122	24864	7.803	ng	91
28) bis(2-Chloroethoxy)methane	10.28	93	38932	7.822	ng	96
29) 2,4-Dichlorophenol	10.53	162	24403	7.055	ng	95
30) 1,2,4-Trichlorobenzene	10.74	180	30538	8.041	ng	96
31) Naphthalene	10.93	128	92500	8.304	ng	# 93
32) Benzoic acid	10.14	122	4147	2.154	ng	97
33) 4-Chloroaniline	11.05	127	36654	7.714	ng	95
34) Hexachlorobutadiene	11.19	225	19567	8.056	ng	97
35) Caprolactam	11.81	113	9725	7.085	ng	99
36) 4-Chloro-3-methylphenol	12.15	107	28647	7.204	ng	89
37) 2-Methylnaphthalene	12.53	142	66819	8.111	ng	98
38) 1-Methylnaphthalene	12.75	142	66320	8.302	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.89	216	34825	8.212	ng	99

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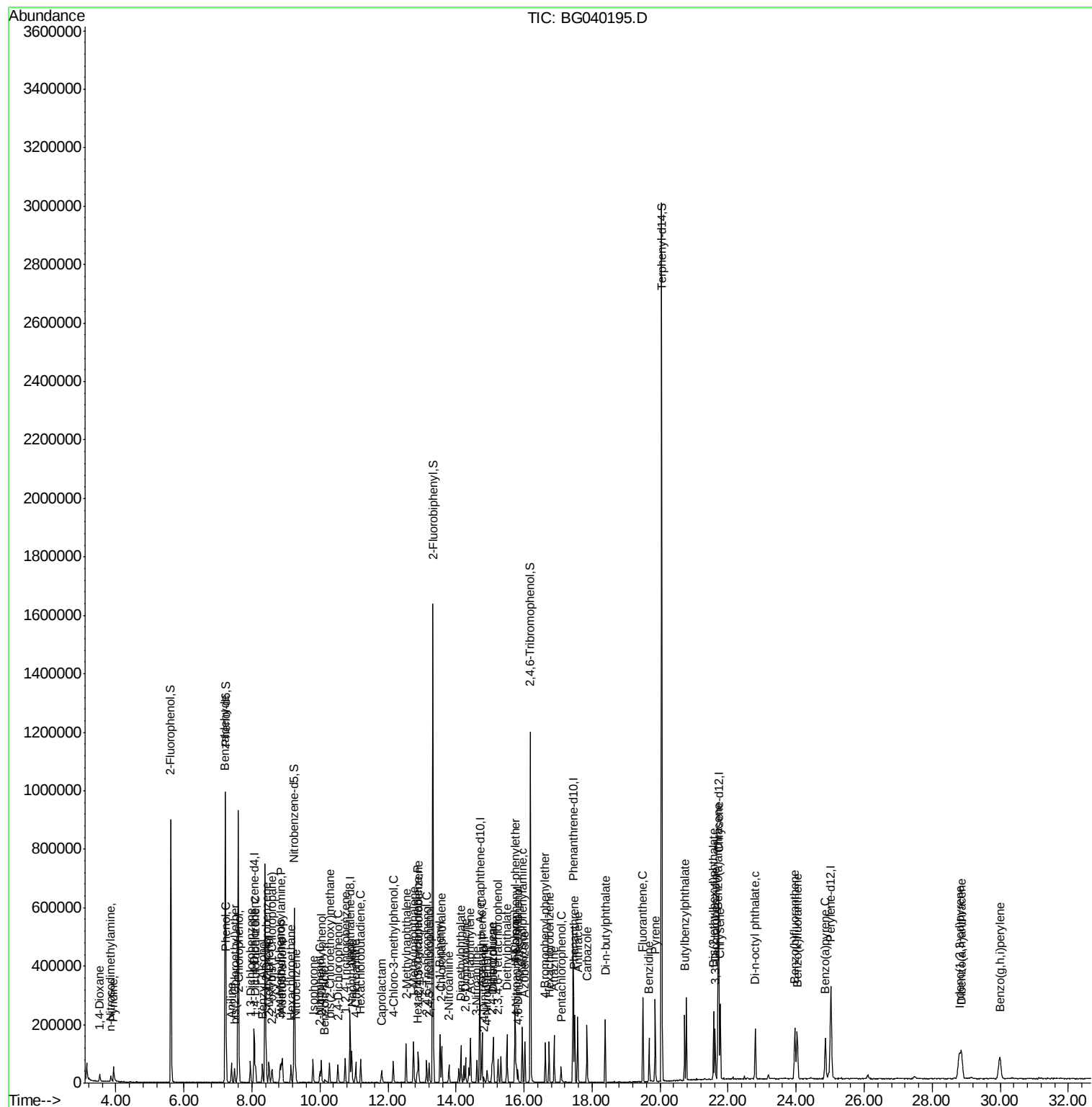
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.86	237	15700	6.742	ng	84
43) 2,4,6-Trichlorophenol	13.14	196	19007	6.951	ng	86
44) 2,4,5-Trichlorophenol	13.21	196	21213	7.118	ng	99
46) 1,1'-Biphenyl	13.53	154	87912	8.338	ng	99
47) 2-Chloronaphthalene	13.58	162	66824	8.263	ng	98
48) 2-Nitroaniline	13.80	65	18660	6.841	ng	98
49) Acenaphthylene	14.42	152	113721	8.294	ng	99
50) Dimethylphthalate	14.14	163	86191	8.253	ng	# 96
51) 2,6-Dinitrotoluene	14.28	165	18229	7.774	ng	97
52) Acenaphthene	14.76	154	67396	8.578	ng	93
53) 3-Nitroaniline	14.61	138	18091	7.289	ng	84
54) 2,4-Dinitrophenol	14.82	184	5418	4.345	ng	87
55) Dibenzofuran	15.09	168	108773	8.616	ng	98
56) 4-Nitrophenol	14.91	139	12774	6.377	ng	96
57) 2,4-Dinitrotoluene	15.06	165	25607	7.859	ng	# 97
58) Fluorene	15.75	166	84320	8.495	ng	91
59) 2,3,4,6-Tetrachlorophenol	15.23	232	18390	6.800	ng	91
60) Diethylphthalate	15.50	149	90394	8.459	ng	97
61) 4-Chlorophenyl-phenylether	15.73	204	45074	8.495	ng	97
62) 4-Nitroaniline	15.78	138	19577	7.350	ng	96
63) Azobenzene	16.02	77	83098	8.244	ng	97
65) 4,6-Dinitro-2-methylphenol	15.82	198	10710	5.859	ng	97
66) n-Nitrosodiphenylamine	15.95	169	75221	7.900	ng	96
67) 4-Bromophenyl-phenylether	16.63	248	27702	7.565	ng	98
68) Hexachlorobenzene	16.74	284	29713	8.071	ng	98
69) Atrazine	16.89	200	28067	7.924	ng	99
70) Pentachlorophenol	17.09	266	11448	5.378	ng	91
71) Phenanthrene	17.49	178	146753	8.581	ng	97
72) Anthracene	17.58	178	141798	8.283	ng	97
73) Carbazole	17.86	167	135663	8.374	ng	96
74) Di-n-butylphthalate	18.38	149	154710	8.056	ng	99
75) Fluoranthene	19.49	202	180601	8.918	ng	98
77) Benzidine	19.68	184	86182	6.943	ng	96
78) Pyrene	19.85	202	187530	8.296	ng	97
80) Butylbenzylphthalate	20.72	149	66158	6.839	ng	96
81) Benzo(a)anthracene	21.70	228	173854	8.211	ng	98
82) 3,3'-Dichlorobenzidine	21.62	252	59929	7.440	ng	98
83) Chrysene	21.77	228	170108	8.359	ng	98
84) Bis(2-ethylhexyl)phthalate	21.57	149	94861	6.860	ng	98
85) Di-n-octyl phthalate	22.80	149	157306	6.677	ng	99
86) Indeno(1,2,3-cd)pyrene	28.79	276	189053	7.596	ng	# 79
88) Benzo(b)fluoranthene	23.96	252	170252	8.001	ng	98
89) Benzo(k)fluoranthene	24.02	252	160079	8.181	ng	97
90) Benzo(a)pyrene	24.86	252	157914	7.910	ng	96
91) Dibenzo(a,h)anthracene	28.85	278	147333	7.946	ng	94
92) Benzo(g,h,i)perylene	29.99	276	152155	7.985	ng	98

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

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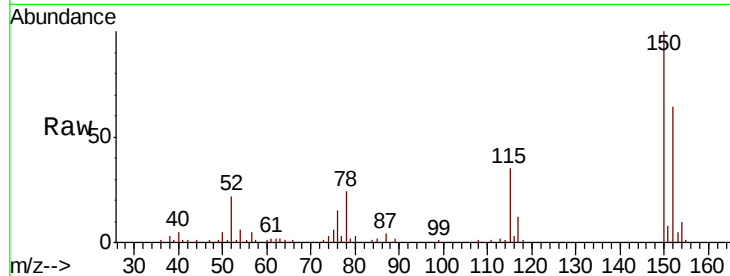


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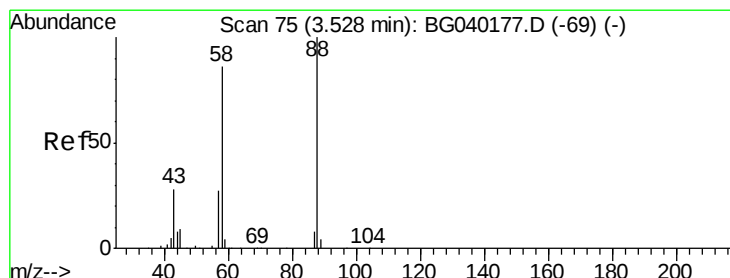
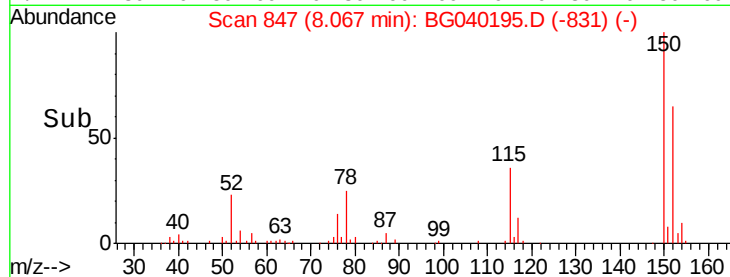
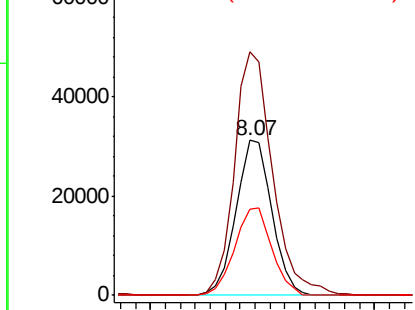
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 847
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:152 Resp: 52078
Ion Ratio Lower Upper
152 100
150 156.9 123.7 185.5
115 55.3 46.9 70.3



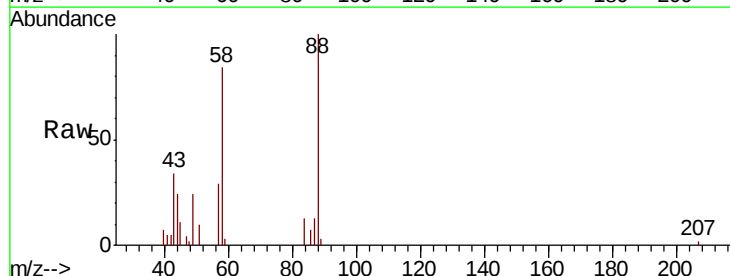
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



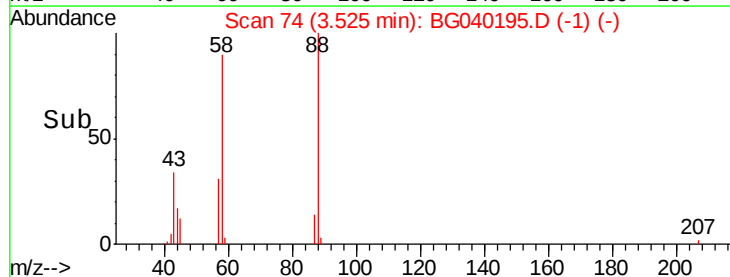
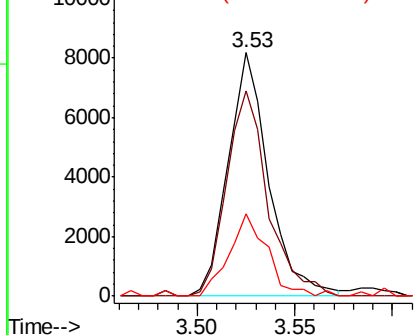
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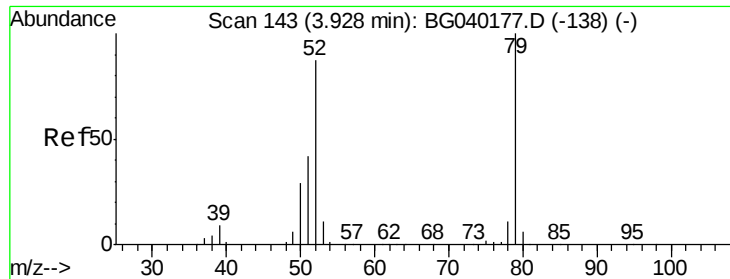
1,4-Dioxane
Concen: 7.974 ng
RT: 3.53 min Scan# 74
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion: 88 Resp: 11746
Ion Ratio Lower Upper
88 100
58 85.7 70.6 106.0
43 32.2 24.8 37.2



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: 7.949 ng

RT: 3.93 min Scan# 143

Delta R.T. 0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

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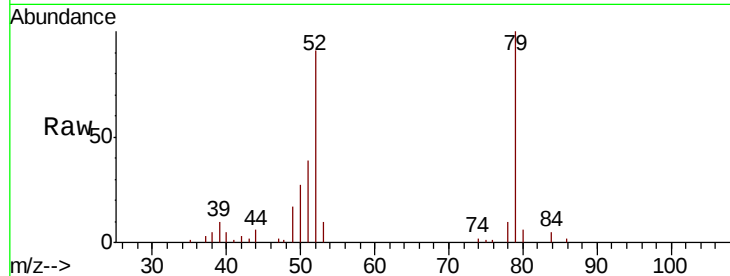
Tgt Ion: 79 Resp: 31526

Ion Ratio Lower Upper

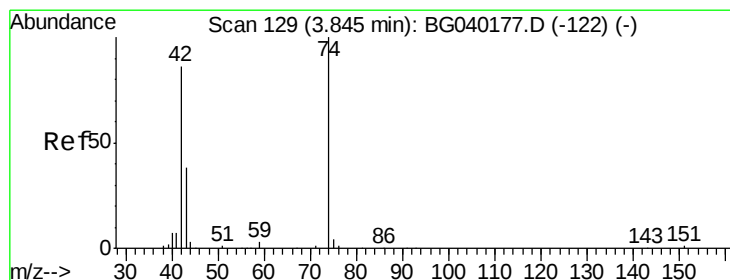
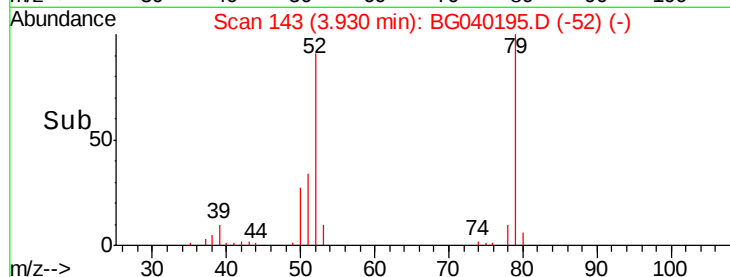
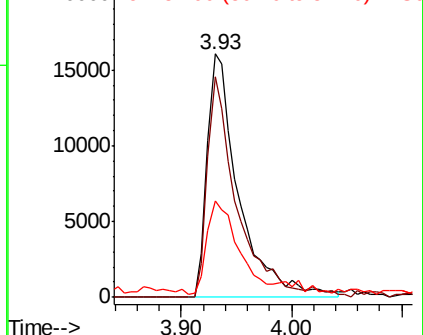
79 100

52 90.7 69.8 104.8

51 39.4 33.9 50.9



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



#4

n-Nitrosodimethylamine

Concen: 7.185 ng

RT: 3.85 min Scan# 130

Delta R.T. 0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

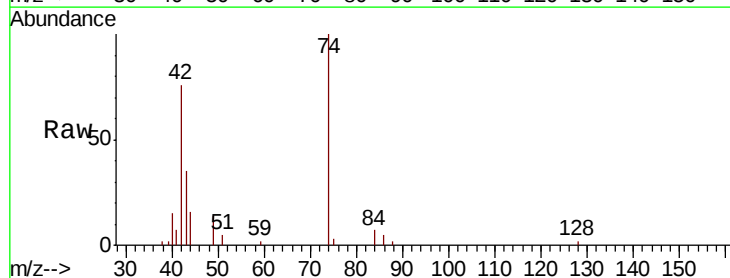
Tgt Ion: 42 Resp: 13182

Ion Ratio Lower Upper

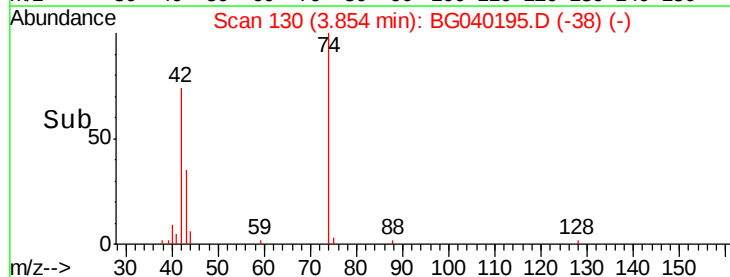
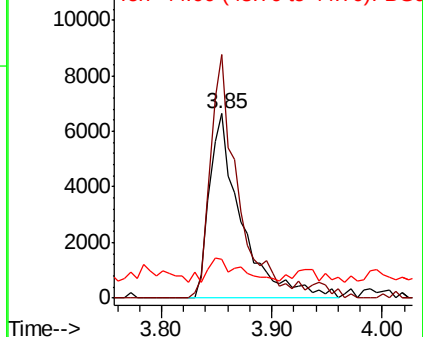
42 100

74 132.0 92.9 139.3

44 21.3 9.7 14.5#



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





#5

2-Fluorophenol

Concen: 130.666 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

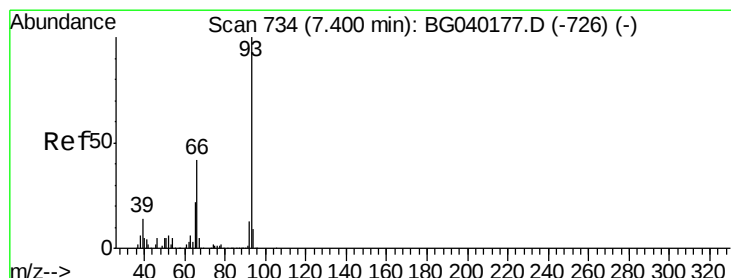
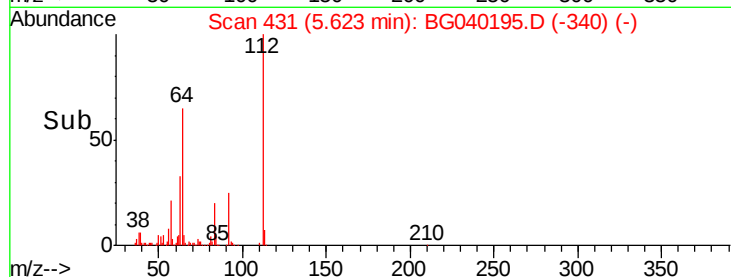
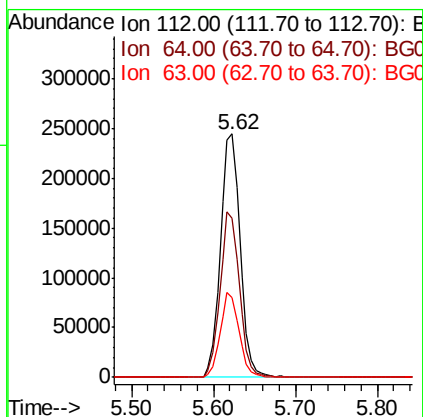
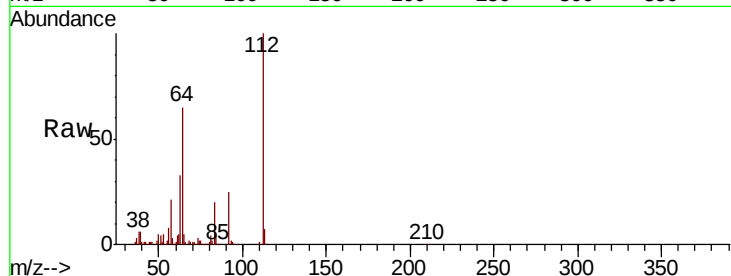
Instrument :

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Tgt Ion:	112	Resp:	409333
Ion	Ratio	Lower	Upper
112	100		
64	65.3	54.2	81.2
63	32.8	26.4	39.6



#6

Aniline

Concen: 7.257 ng

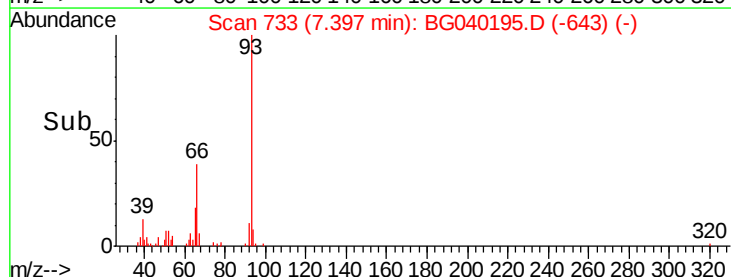
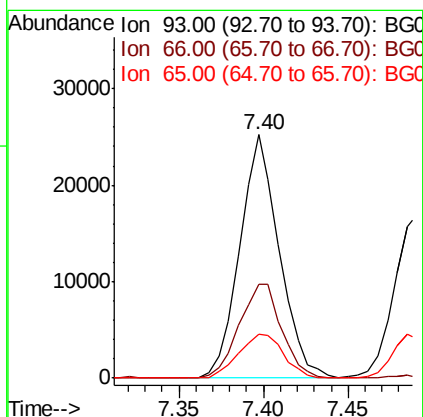
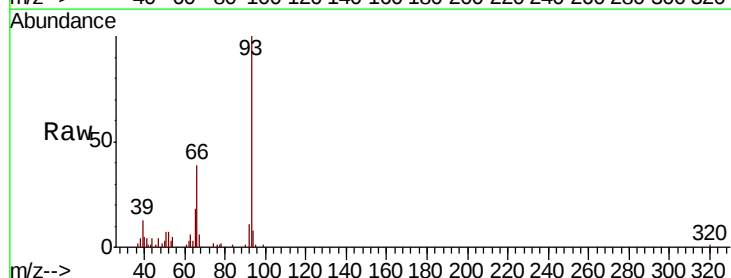
RT: 7.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG040195.D

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Tgt Ion:	93	Resp:	40817
Ion	Ratio	Lower	Upper
93	100		
66	38.8	33.6	50.4
65	18.1	17.4	26.2





#7

Phenol-d6

Concen: 130.036 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

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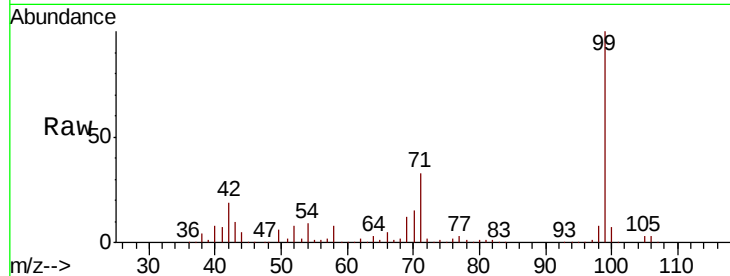
Tgt Ion: 99 Resp: 562980

Ion Ratio Lower Upper

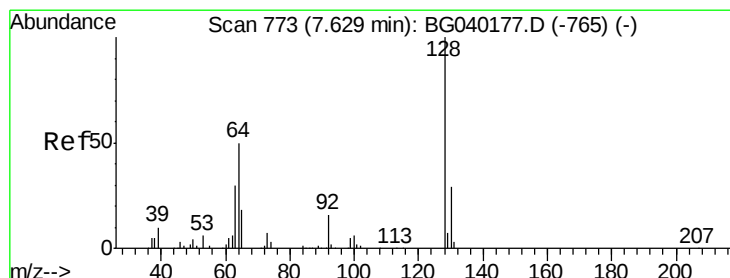
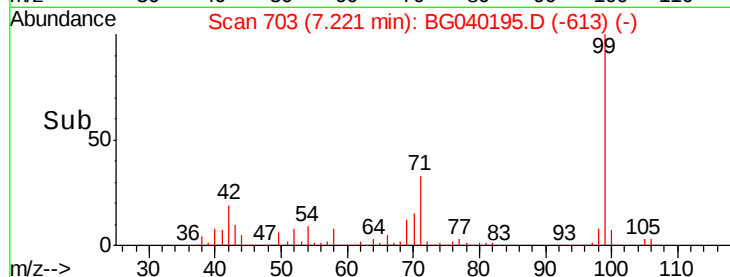
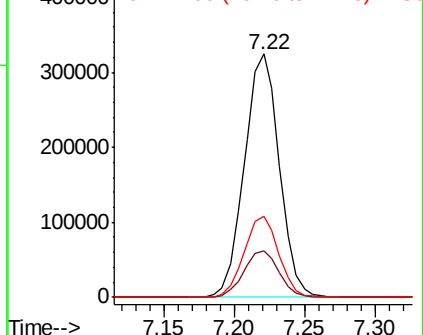
99 100

42 19.3 16.2 24.2

71 33.3 26.8 40.2



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



#8

2-Chlorophenol

Concen: 7.663 ng

RT: 7.63 min Scan# 772

Delta R.T. -0.00 min

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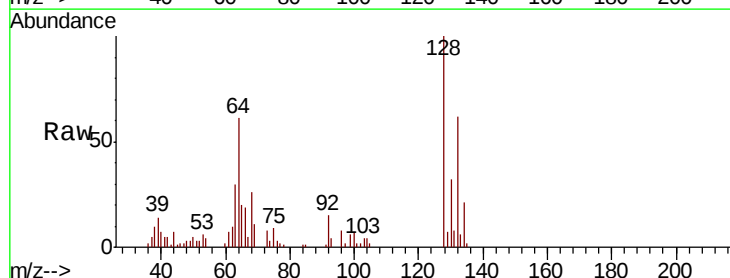
Tgt Ion: 128 Resp: 28100

Ion Ratio Lower Upper

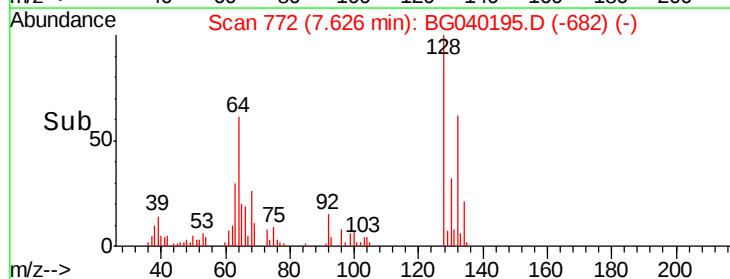
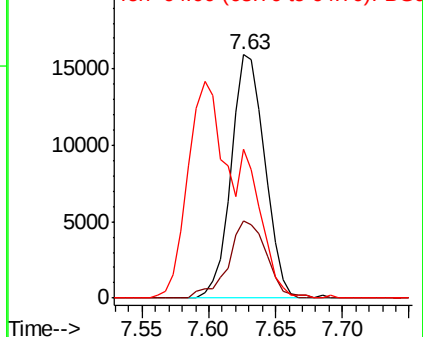
128 100

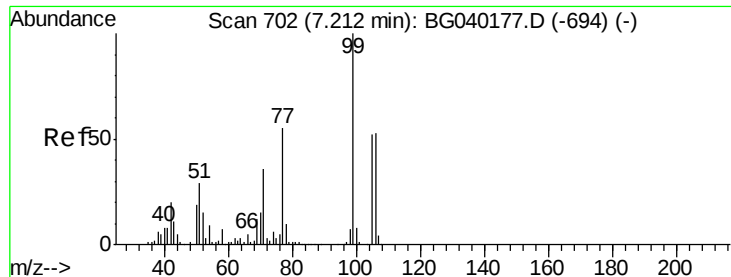
130 31.7 9.1 49.1

64 61.3 33.1 73.1



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





#9

Benzaldehyde

Concen: 8.118 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

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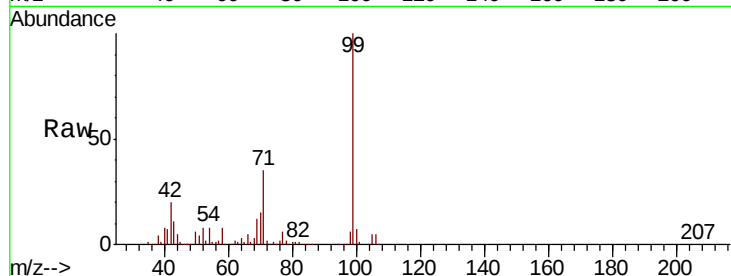
Tgt Ion: 77 Resp: 24107

Ion Ratio Lower Upper

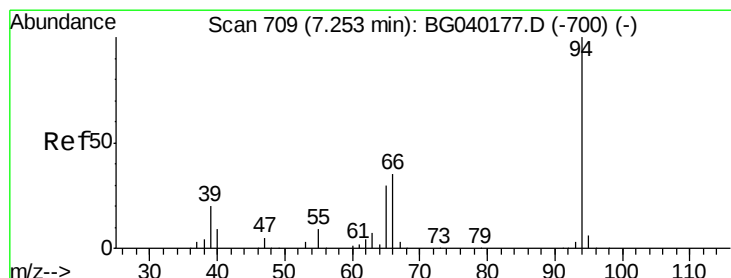
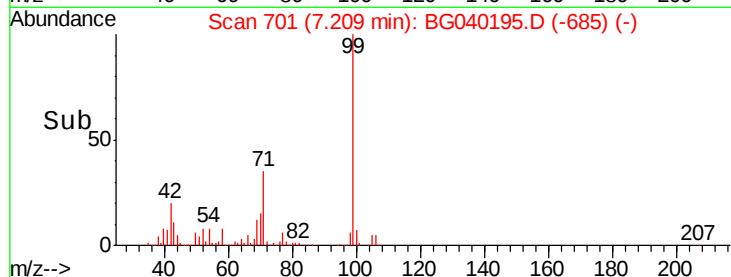
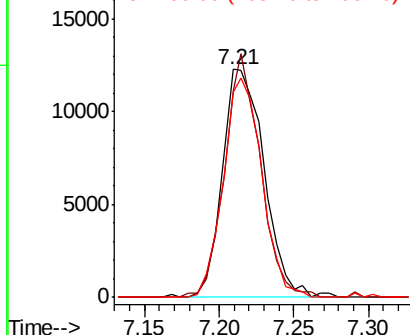
77 100

105 90.4 75.0 115.0

106 89.9 75.7 115.7



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: 7.536 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

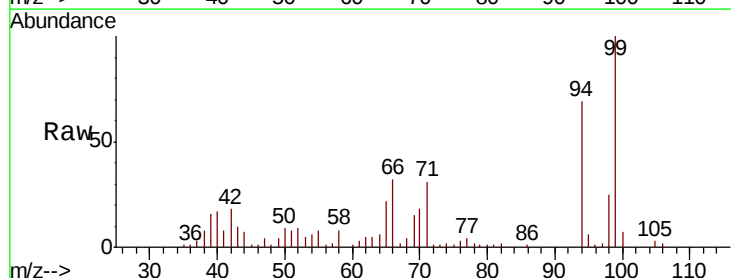
Tgt Ion: 94 Resp: 35413

Ion Ratio Lower Upper

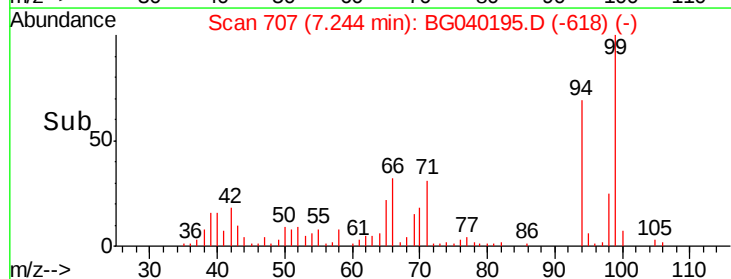
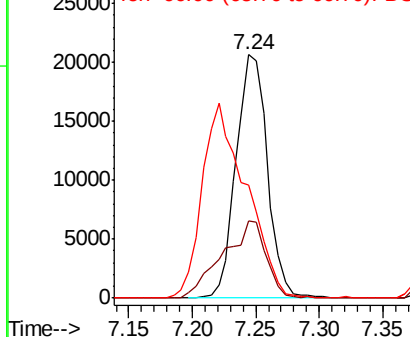
94 100

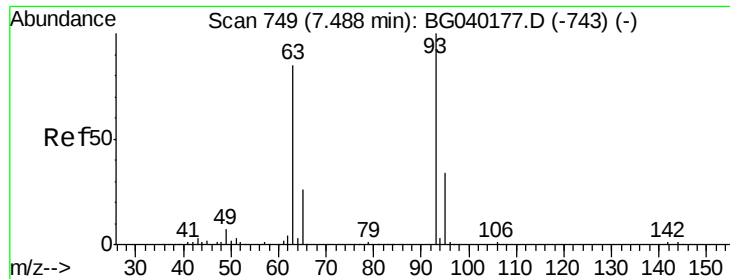
65 31.5 10.5 50.5

66 46.3 16.9 56.9



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

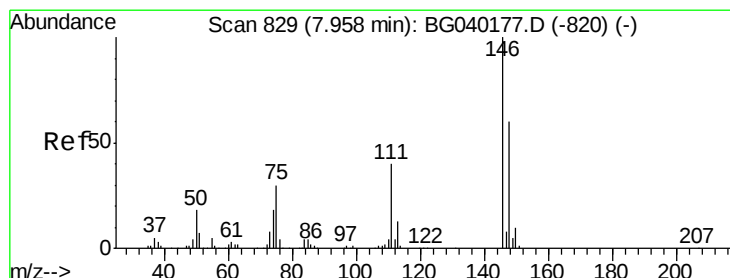
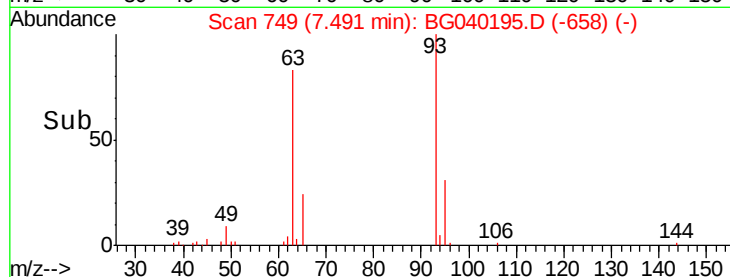
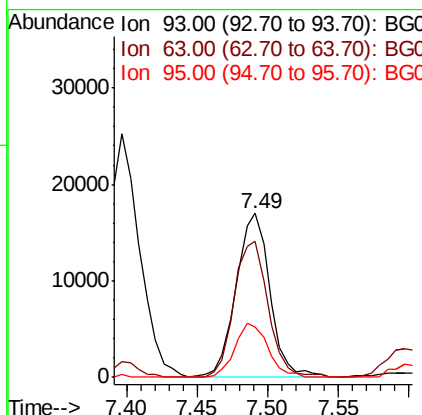
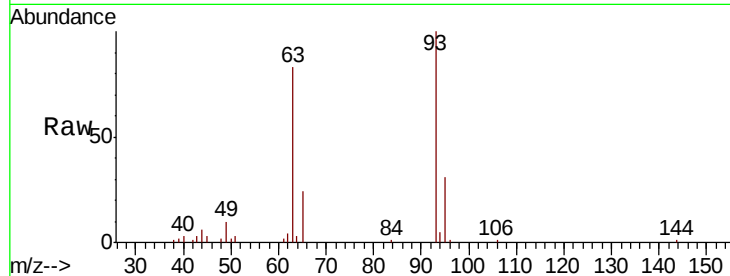




#11
bis(2-Chloroethyl)ether
Concen: 7.609 ng
RT: 7.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

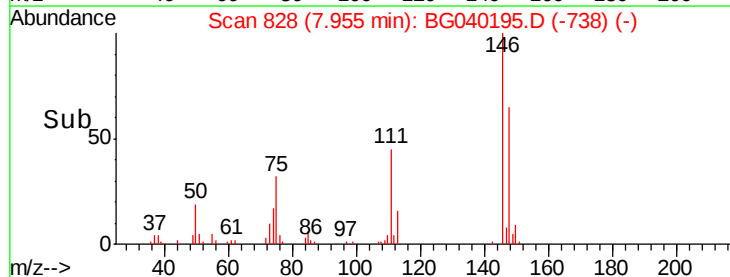
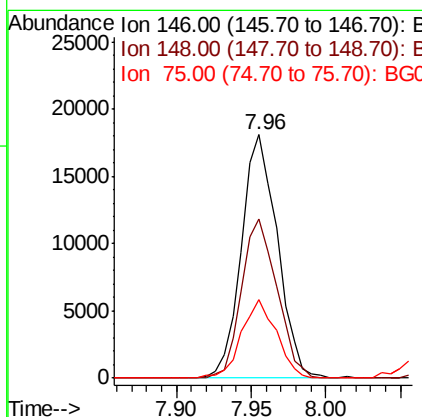
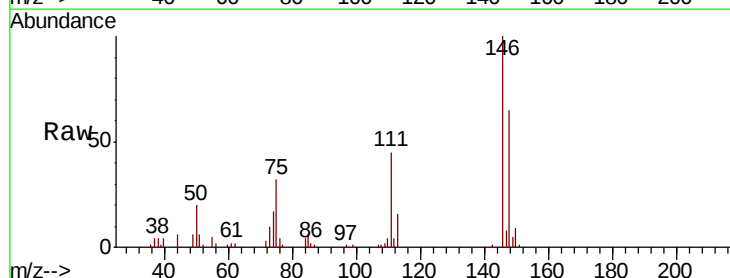
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 93 Resp: 28639
Ion Ratio Lower Upper
93 100
63 82.8 64.2 104.2
95 30.7 14.0 54.0



#12
1,3-Dichlorobenzene
Concen: 7.550 ng
RT: 7.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion: 146 Resp: 30098
Ion Ratio Lower Upper
146 100
148 65.2 48.2 72.2
75 32.0 24.1 36.1





#13

1,4-Dichlorobenzene

Concen: 7.867 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

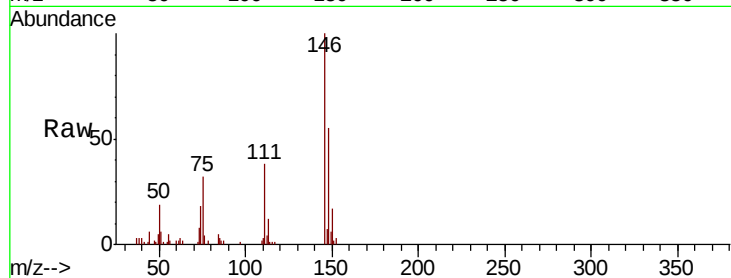
Tgt Ion:146 Resp: 31233

Ion Ratio Lower Upper

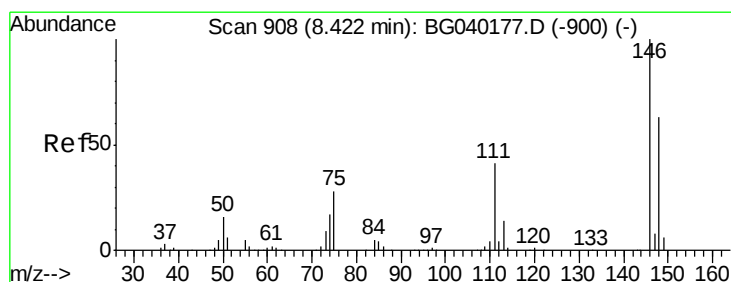
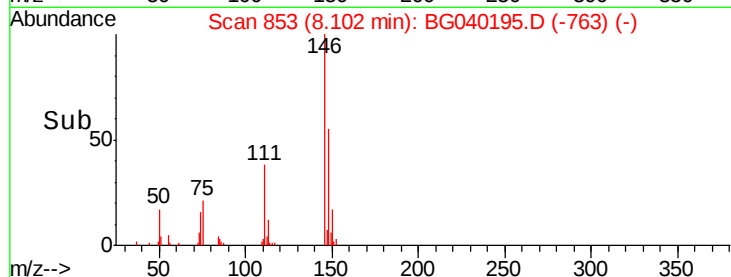
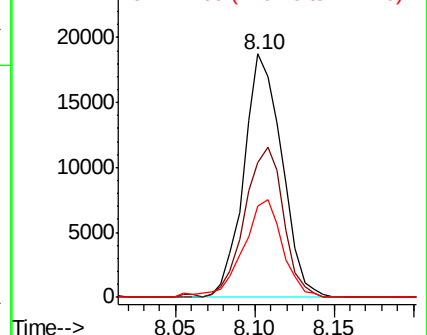
146 100

148 55.2 51.0 76.4

111 37.6 31.8 47.6



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



#14

1,2-Dichlorobenzene

Concen: 7.691 ng

RT: 8.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

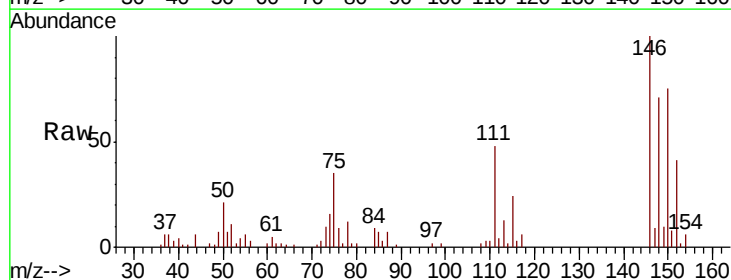
Tgt Ion:146 Resp: 29200

Ion Ratio Lower Upper

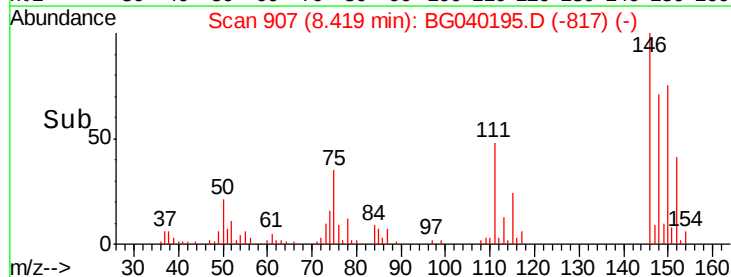
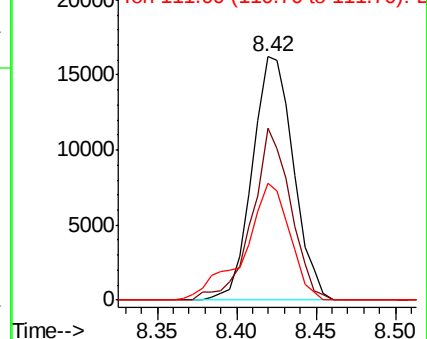
146 100

148 70.5 50.8 76.2

111 48.1 33.4 50.0



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





#15

Benzyl Alcohol

Concen: 6.779 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

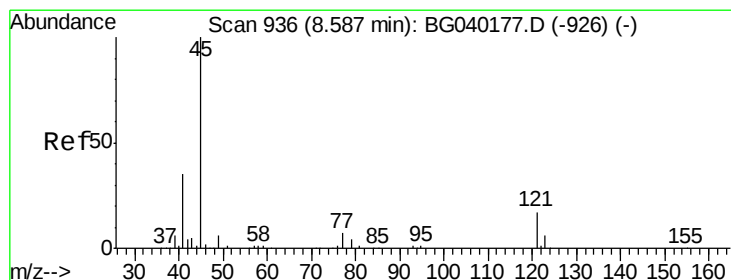
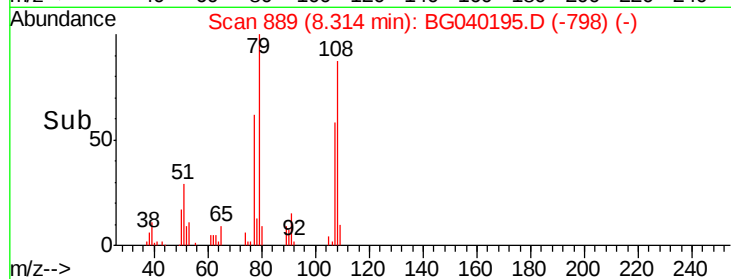
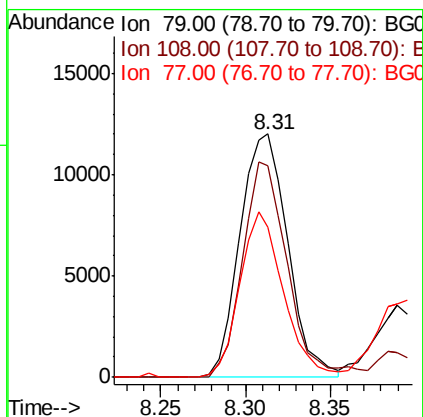
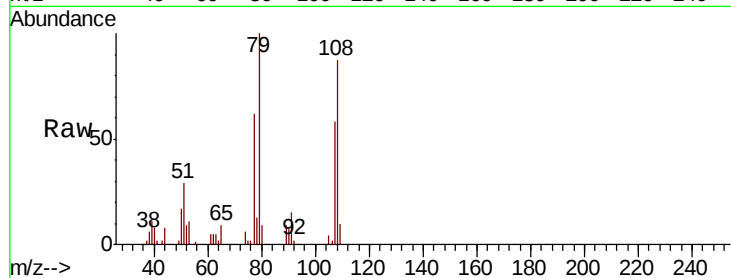
Tgt Ion: 79 Resp: 23635

Ion Ratio Lower Upper

79 100

108 87.0 62.1 93.1

77 61.7 51.9 77.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.319 ng

RT: 8.59 min Scan# 936

Delta R.T. 0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

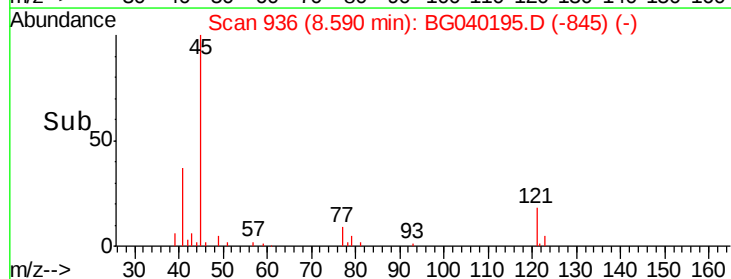
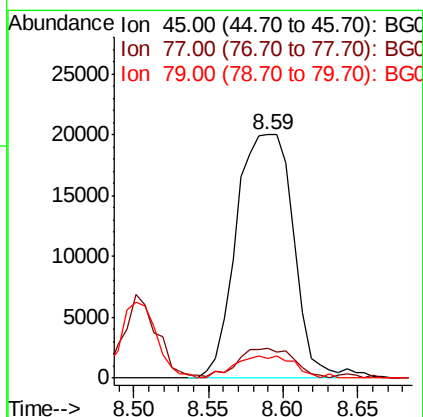
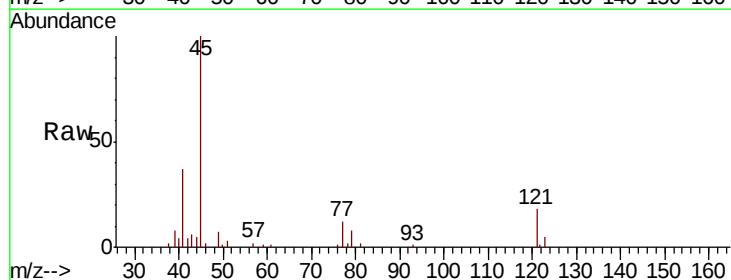
Tgt Ion: 45 Resp: 52871

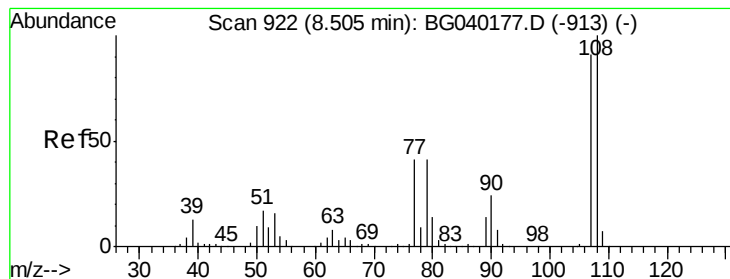
Ion Ratio Lower Upper

45 100

77 12.4 0.0 31.4

79 8.1 0.0 28.3





#17

2-Methylphenol

Concen: 7.249 ng

RT: 8.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:107 Resp: 23571

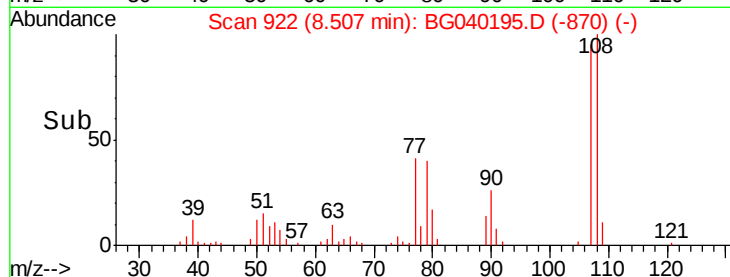
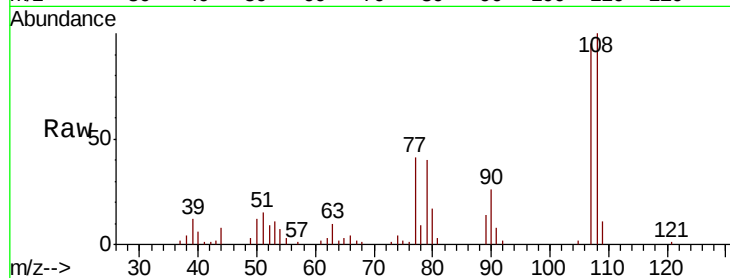
Ion Ratio Lower Upper

107 100

108 105.3 88.2 132.4

77 43.6 36.6 55.0

79 42.5 36.5 54.7



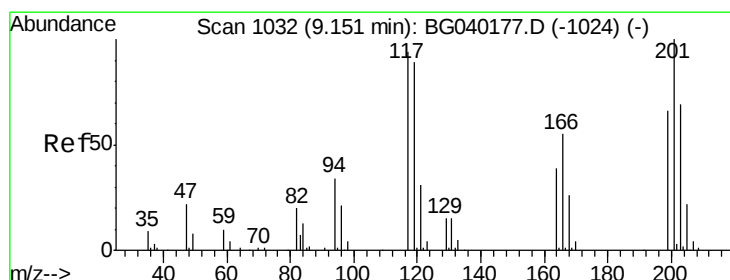
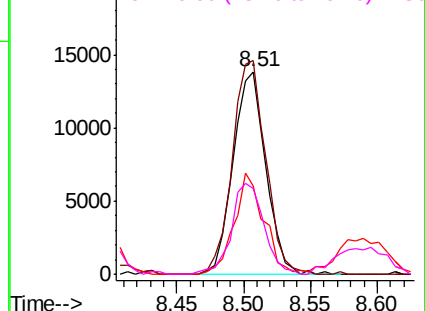
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 7.211 ng

RT: 9.15 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

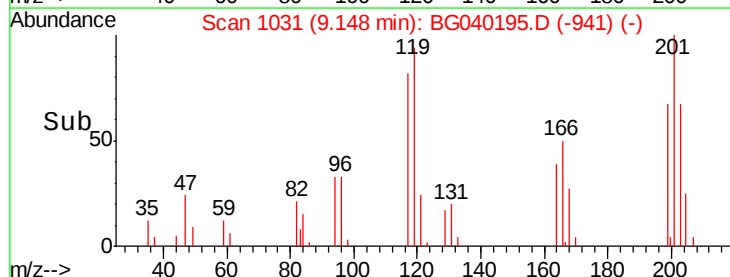
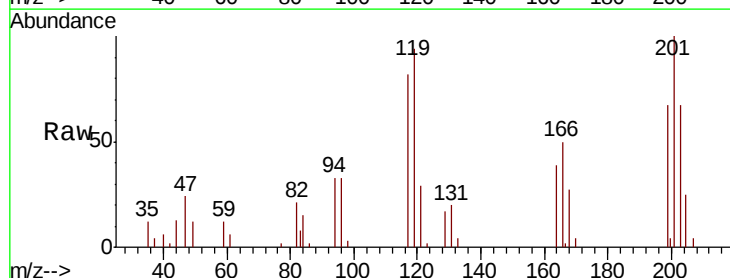
Tgt Ion:117 Resp: 10890

Ion Ratio Lower Upper

117 100

119 115.0 76.6 115.0#

201 121.8 85.0 127.4

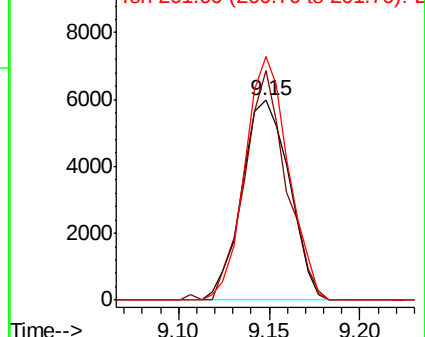


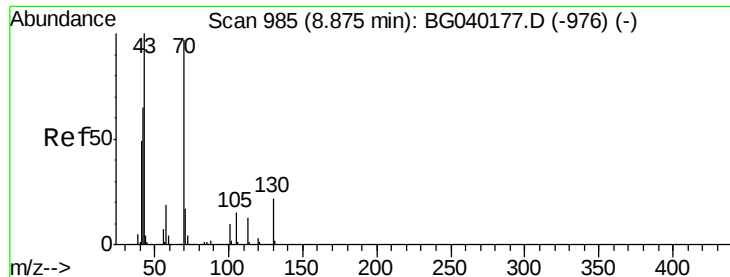
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

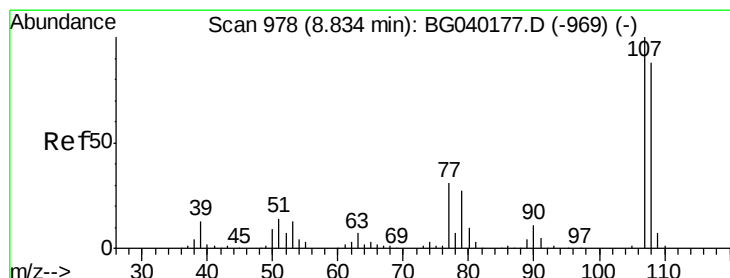
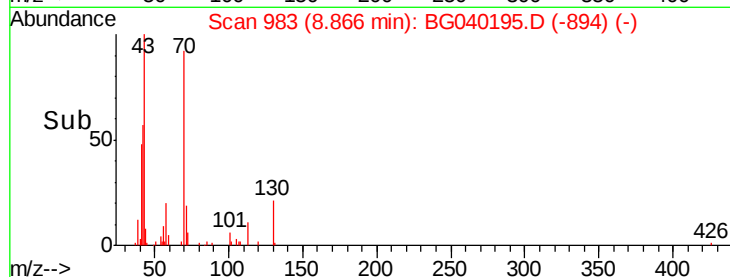
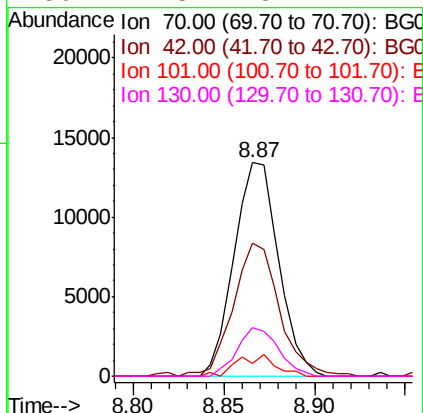
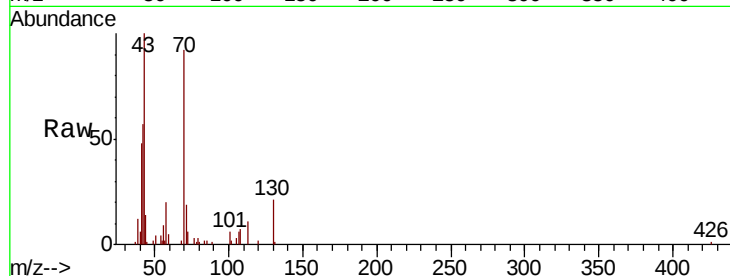




#19
n-Nitroso-di-n-propylamine
Concen: 7.390 ng
RT: 8.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

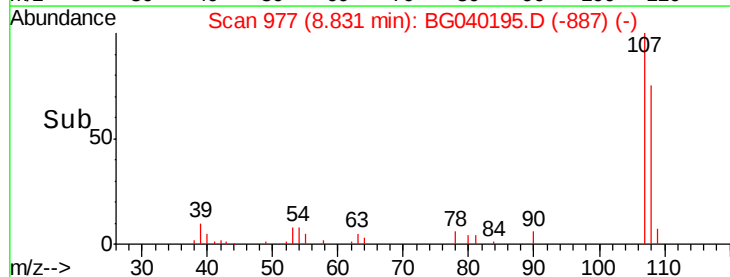
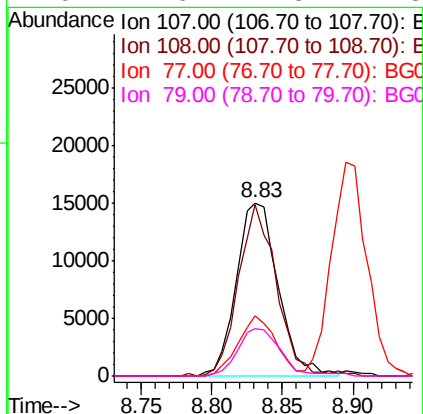
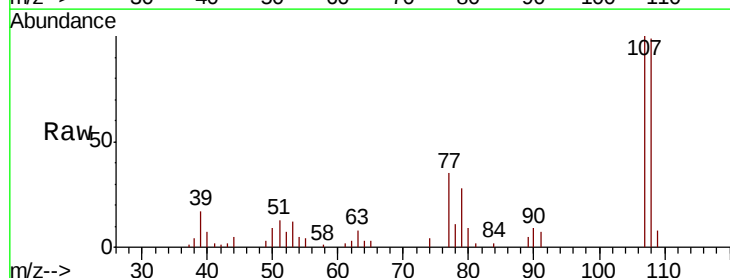
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 70 Resp: 22939
Ion Ratio Lower Upper
70 100
42 62.2 54.0 81.0
101 6.2 8.6 13.0#
130 22.8 18.2 27.2



#20
3+4-Methylphenols
Concen: 7.060 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion: 107 Resp: 31100
Ion Ratio Lower Upper
107 100
108 99.2 68.3 108.3
77 34.8 11.3 51.3
79 27.6 7.3 47.3

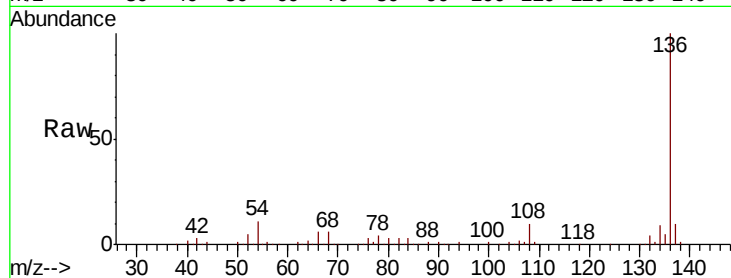




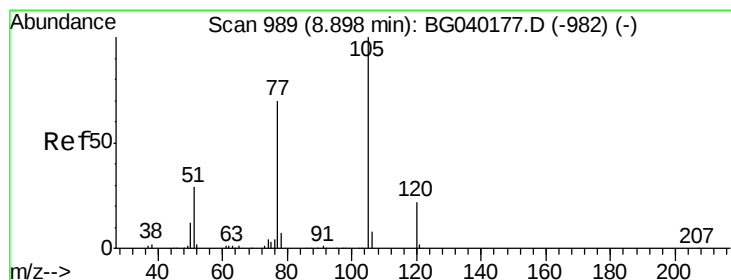
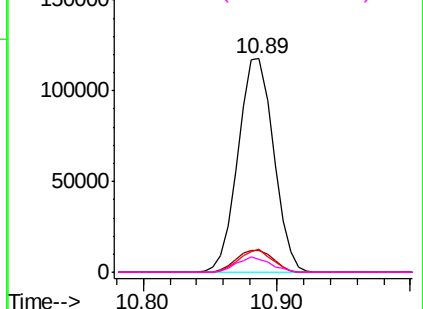
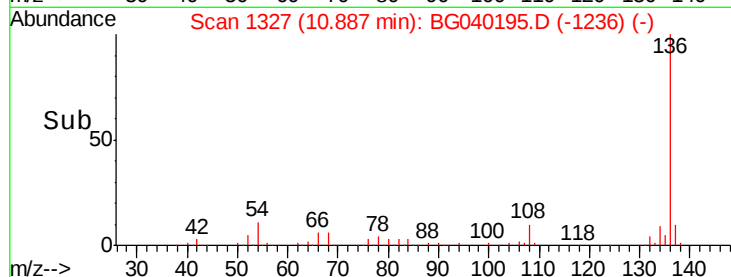
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:	136	Resp:	217321
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	10.6	9.6	14.4
68	6.2	5.1	7.7

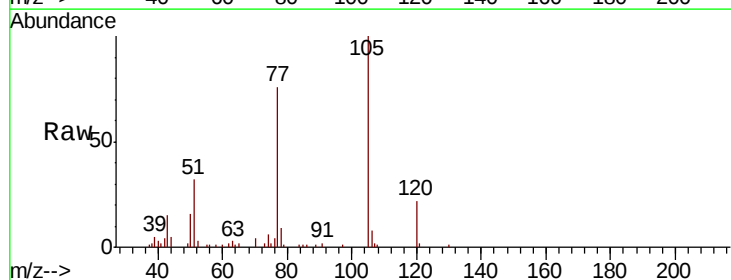


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

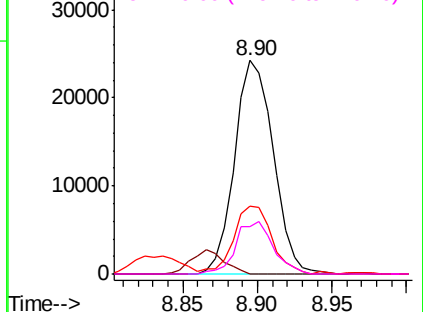
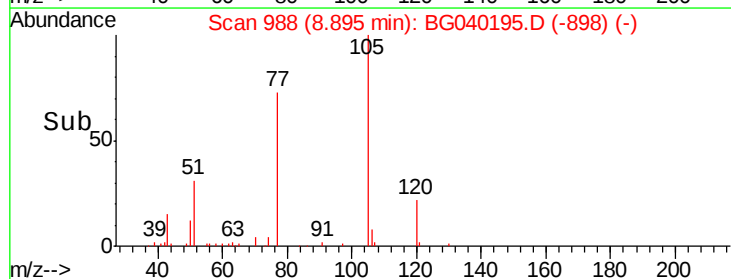


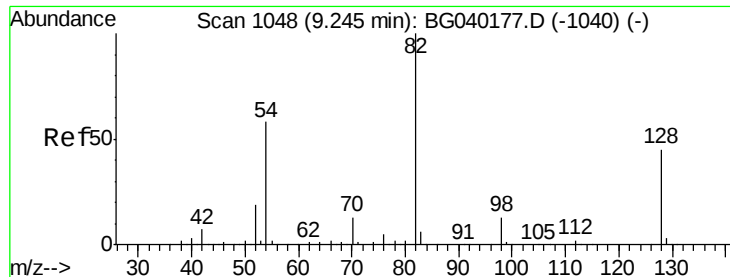
#22
Acetophenone
Concen: 8.078 ng
RT: 8.90 min Scan# 988
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:	105	Resp:	43791
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	32.0	25.1	37.7
120	22.3	17.6	26.4



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

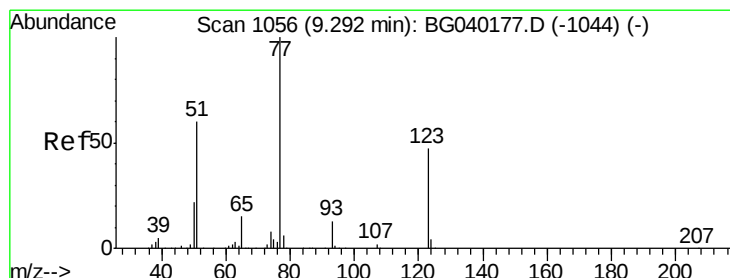
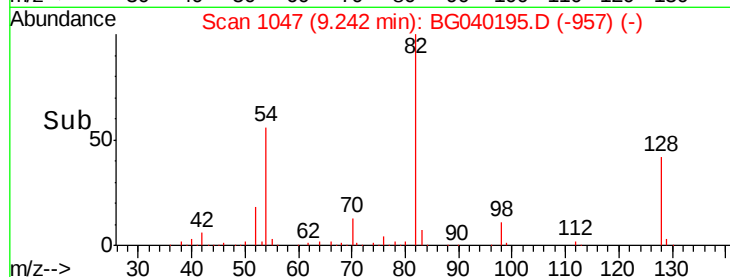
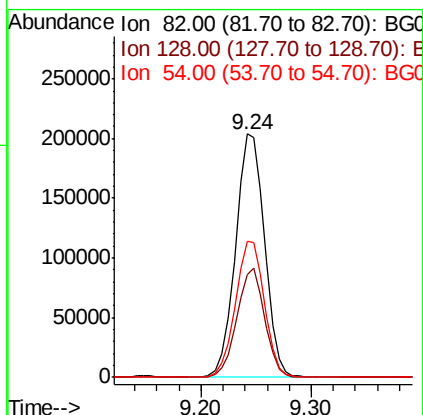
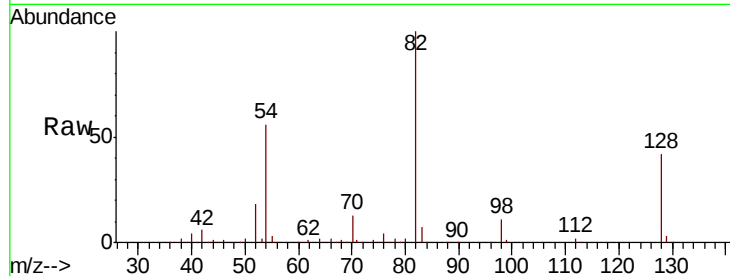




#23
Nitrobenzene-d5
Concen: 91.869 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

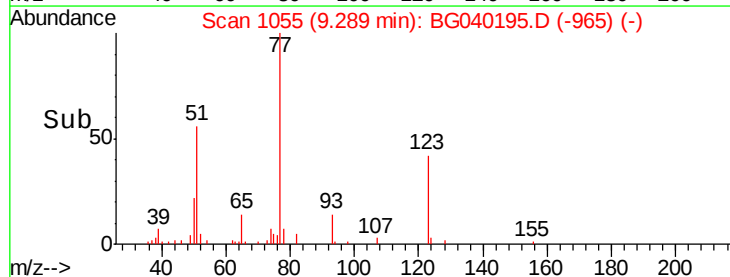
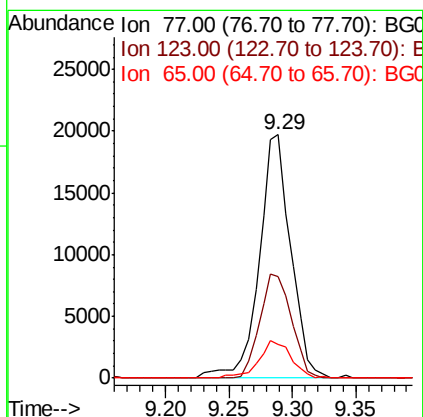
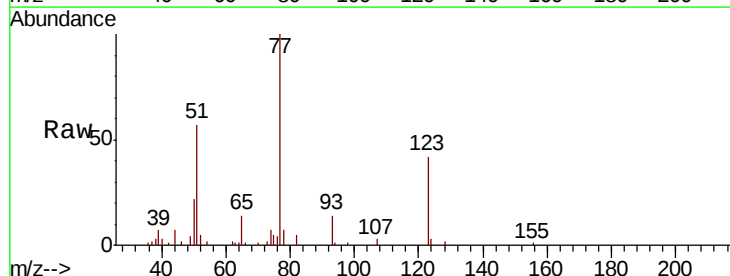
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

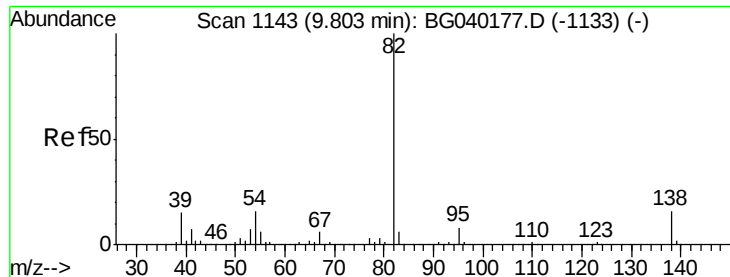
Tgt Ion: 82 Resp: 375612
Ion Ratio Lower Upper
82 100
128 42.3 35.8 53.8
54 56.0 46.2 69.2



#24
Nitrobenzene
Concen: 8.036 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion: 77 Resp: 34025
Ion Ratio Lower Upper
77 100
123 41.8 37.8 56.6
65 14.0 12.0 18.0





#25

Isophorone

Concen: 7.405 ng

RT: 9.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

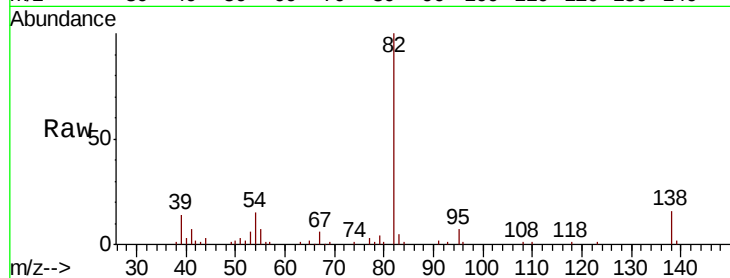
Tgt Ion: 82 Resp: 62298

Ion Ratio Lower Upper

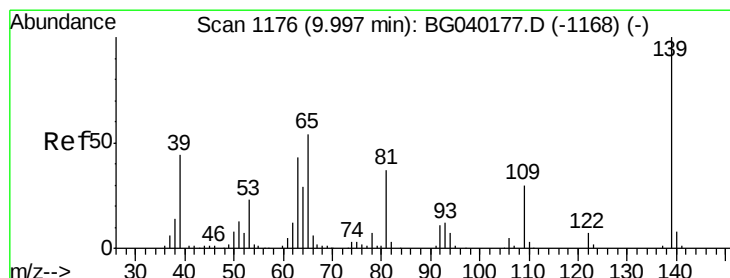
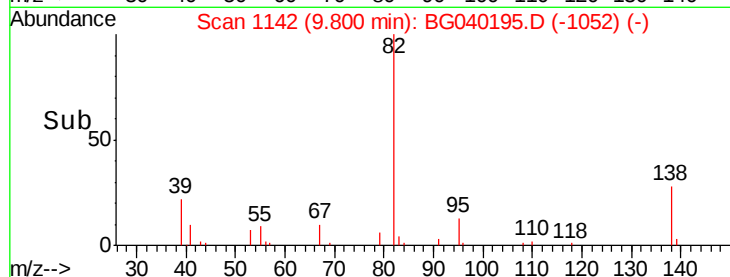
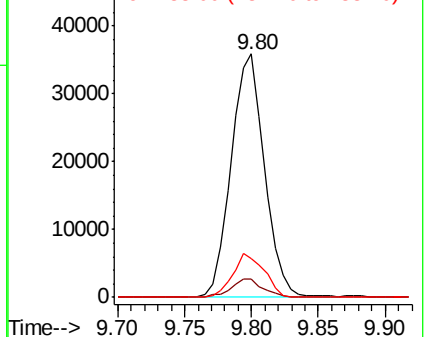
82 100

95 7.5 6.1 9.1

138 16.0 13.2 19.8



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



#26

2-Nitrophenol

Concen: 6.843 ng

RT: 10.00 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

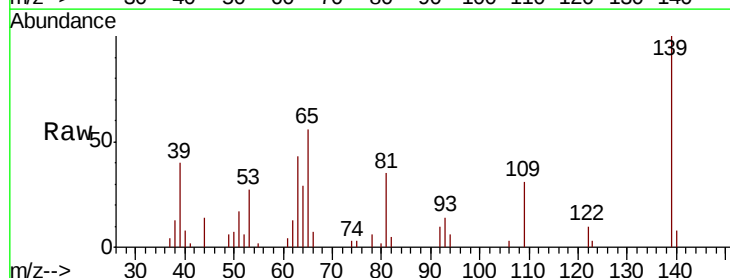
Tgt Ion: 139 Resp: 13729

Ion Ratio Lower Upper

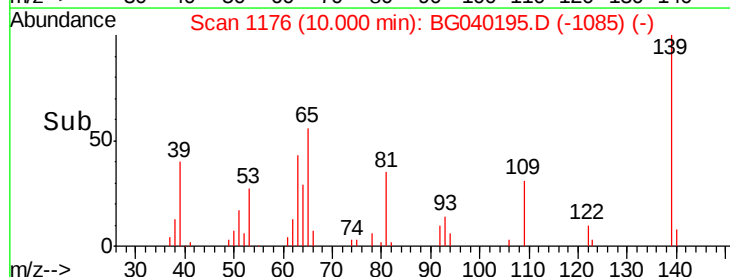
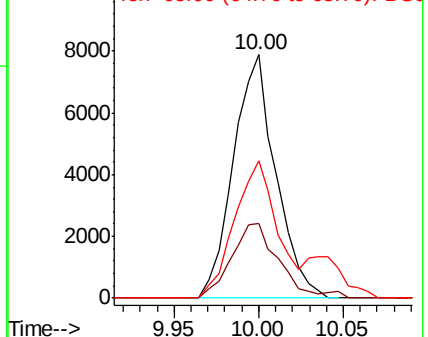
139 100

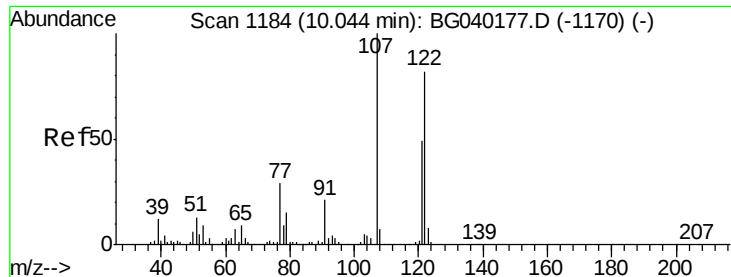
109 30.6 24.1 36.1

65 56.2 43.0 64.6



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

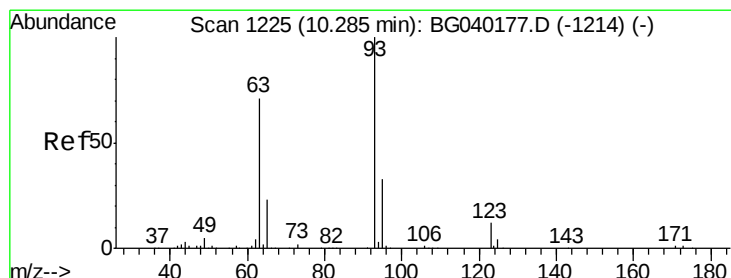
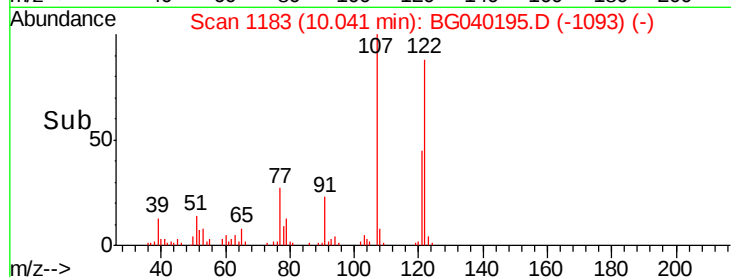
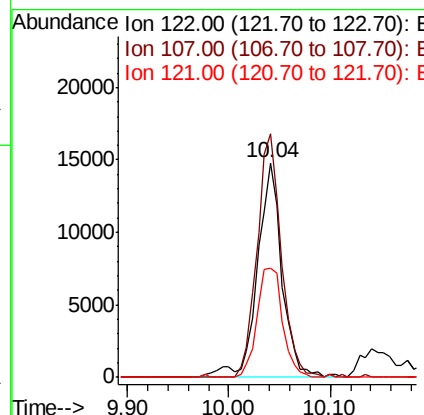
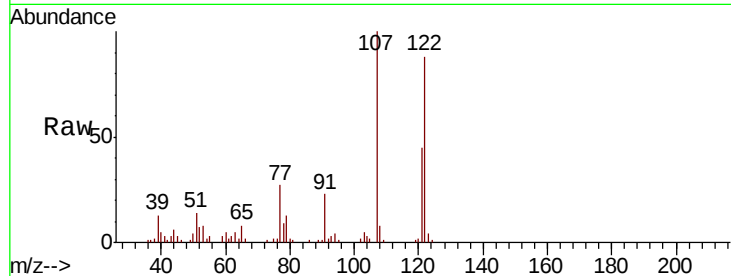




#27
 2,4-Dimethylphenol
 Concen: 7.803 ng
 RT: 10.04 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

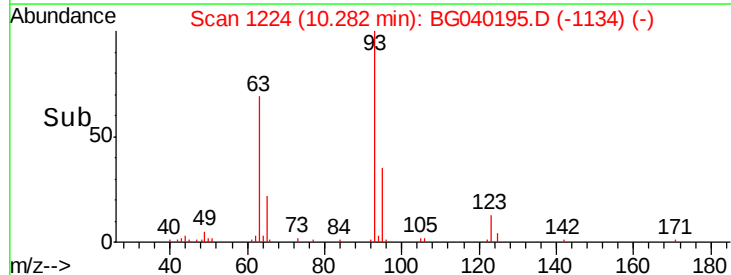
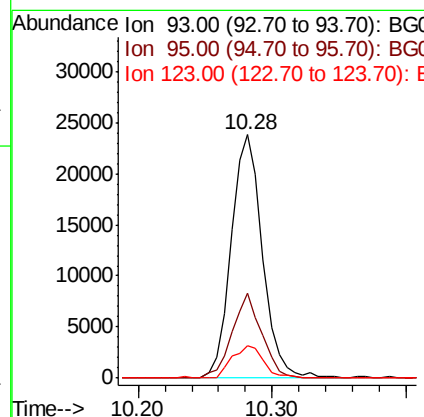
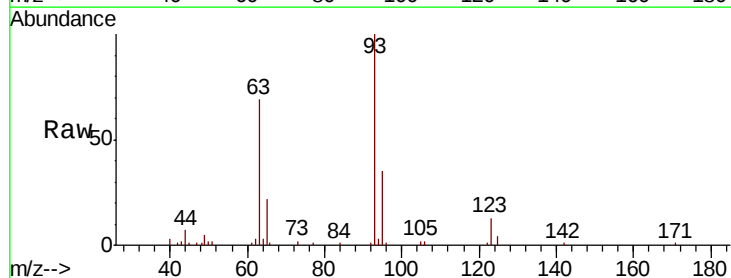
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

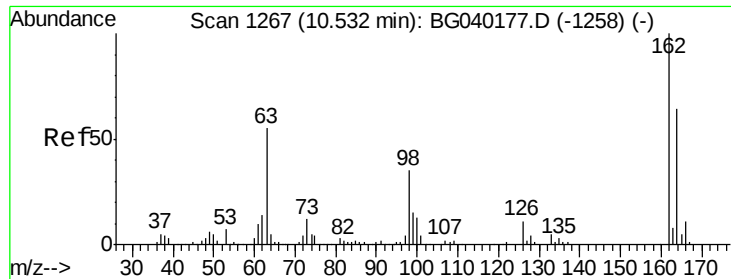
Tgt Ion:122 Resp: 24864
 Ion Ratio Lower Upper
 122 100
 107 113.6 97.4 146.2
 121 51.3 47.7 71.5



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.822 ng
 RT: 10.28 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Tgt Ion: 93 Resp: 38932
 Ion Ratio Lower Upper
 93 100
 95 34.8 26.2 39.4
 123 13.5 9.4 14.0

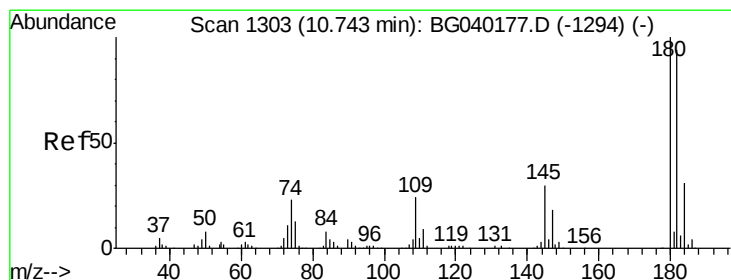
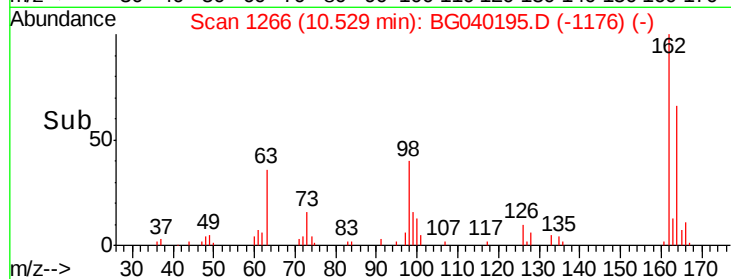
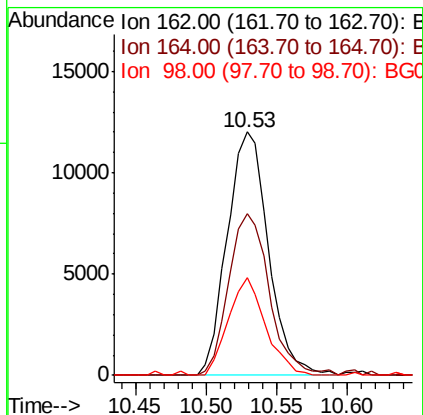
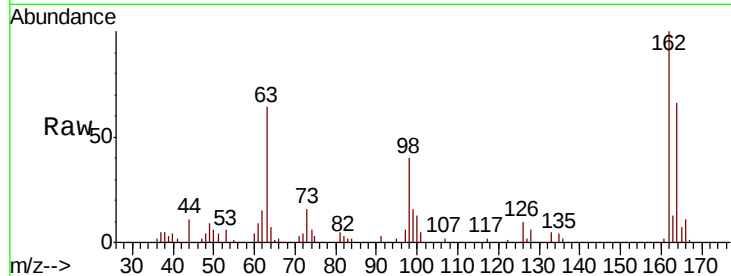




#29
2,4-Dichlorophenol
Concen: 7.055 ng
RT: 10.53 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

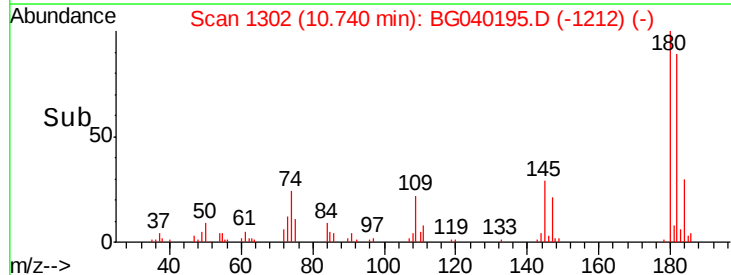
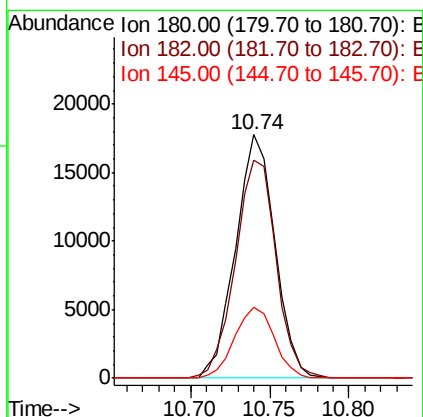
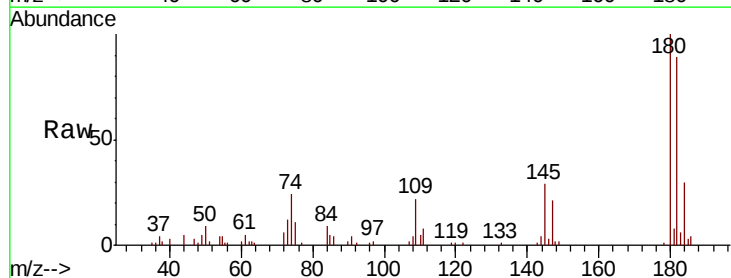
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

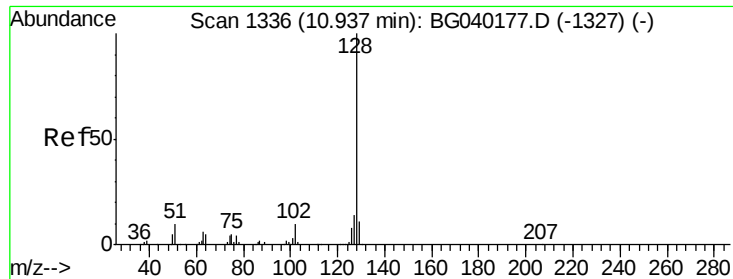
Tgt Ion:162 Resp: 24403
Ion Ratio Lower Upper
162 100
164 66.2 43.9 83.9
98 40.3 15.6 55.6



#30
1,2,4-Trichlorobenzene
Concen: 8.041 ng
RT: 10.74 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:180 Resp: 30538
Ion Ratio Lower Upper
180 100
182 89.5 75.1 112.7
145 29.0 24.1 36.1

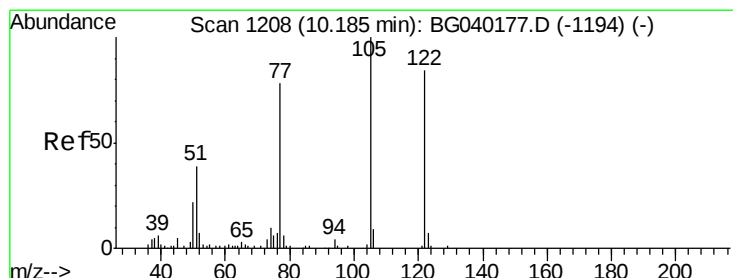
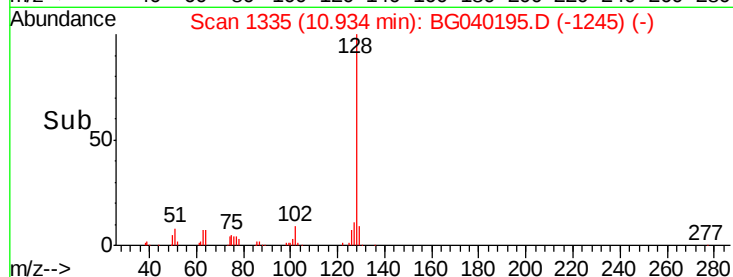
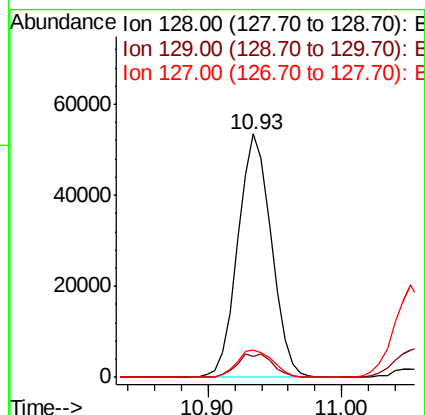
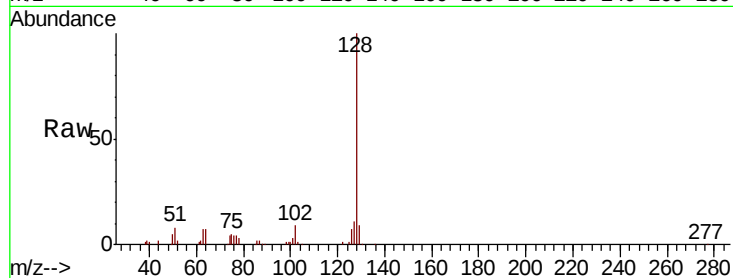




#31
Naphthalene
Concen: 8.304 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

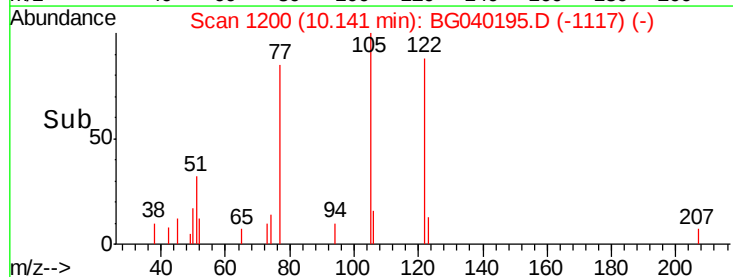
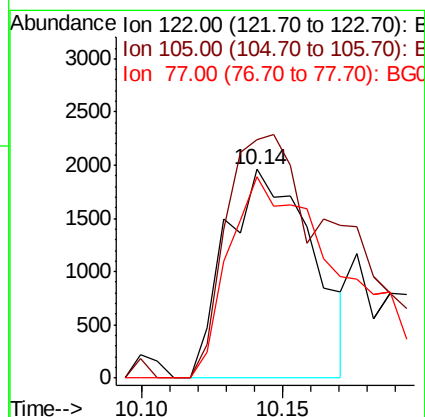
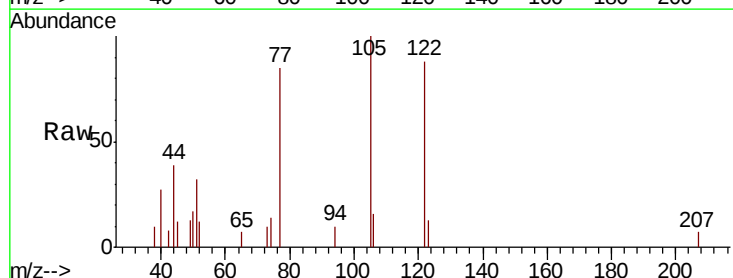
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:128 Resp: 92500
Ion Ratio Lower Upper
128 100
129 8.7 8.9 13.3#
127 11.2 11.4 17.0#



#32
Benzoic acid
Concen: 2.154 ng
RT: 10.14 min Scan# 1200
Delta R.T. -0.04 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:122 Resp: 4147
Ion Ratio Lower Upper
122 100
105 114.0 98.2 138.2
77 96.4 73.6 113.6

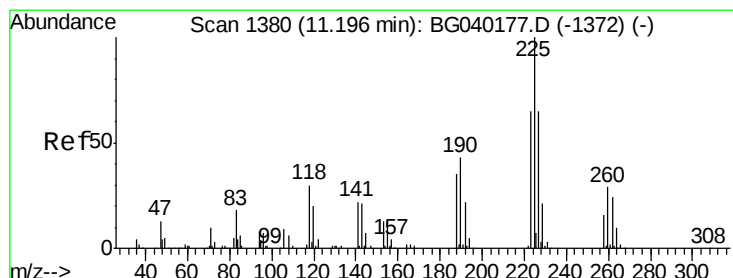
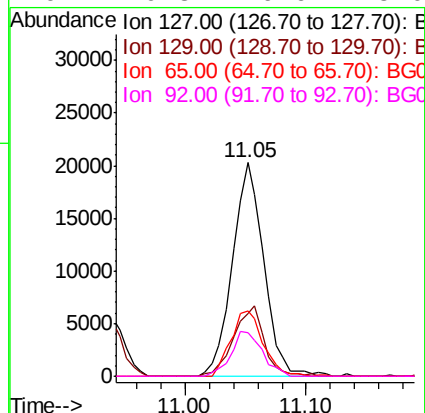
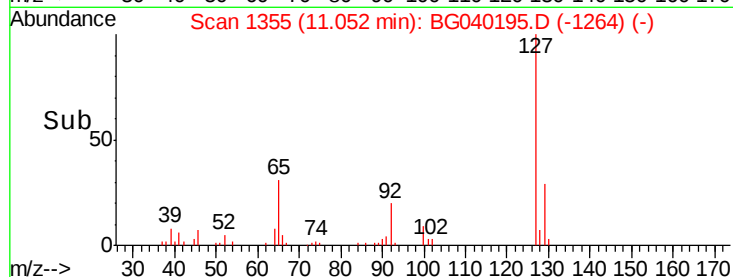
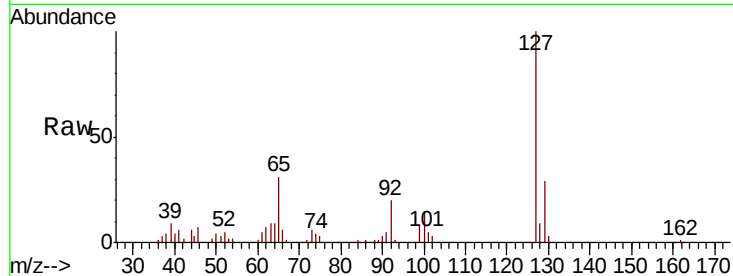




#33
4-Chloroaniline
Concen: 7.714 ng
RT: 11.05 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

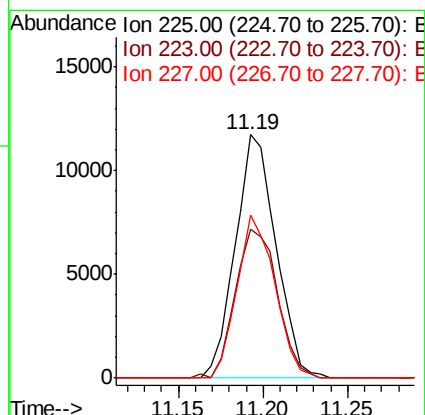
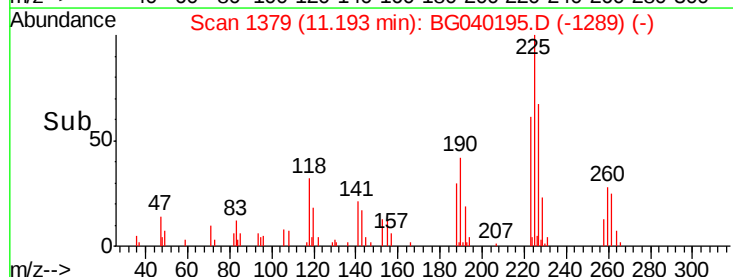
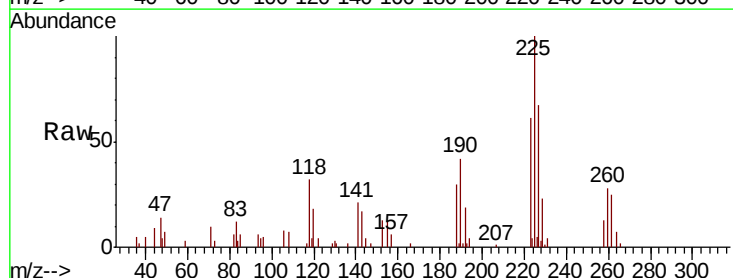
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

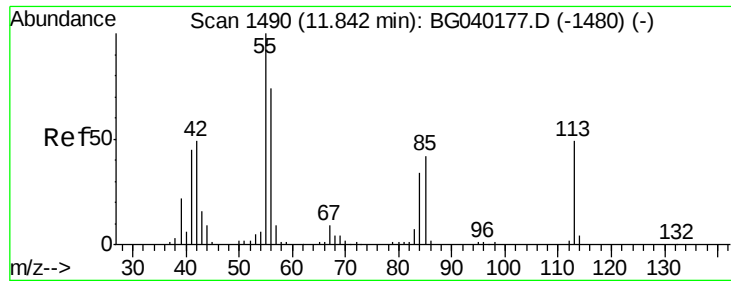
Tgt Ion:	127	Resp:	36654
Ion	Ratio	Lower	Upper
127	100		
129	29.3	26.6	40.0
65	30.7	27.0	40.4
92	20.3	16.6	25.0



#34
Hexachlorobutadiene
Concen: 8.056 ng
RT: 11.19 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:	225	Resp:	19567
Ion	Ratio	Lower	Upper
225	100		
223	61.4	51.8	77.8
227	69.8	54.9	82.3

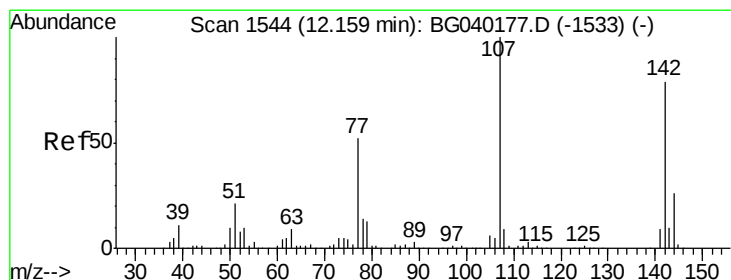
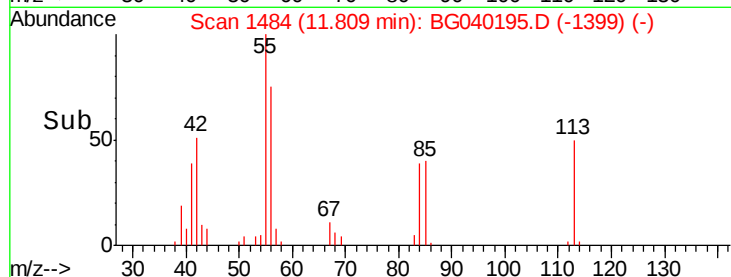
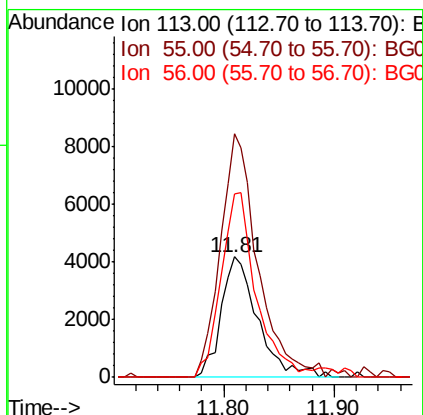
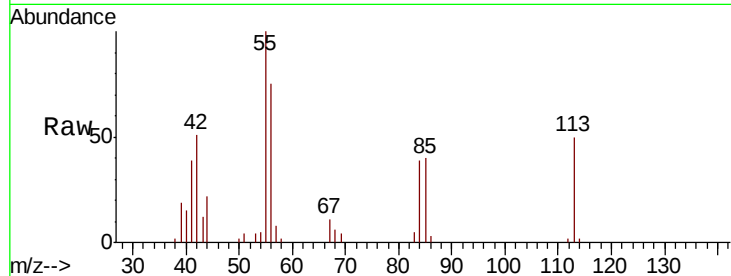




#35
 Caprolactam
 Concen: 7.085 ng
 RT: 11.81 min Scan# 1484
 Delta R.T. -0.03 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

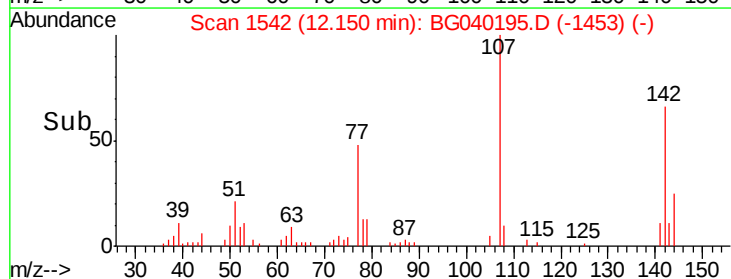
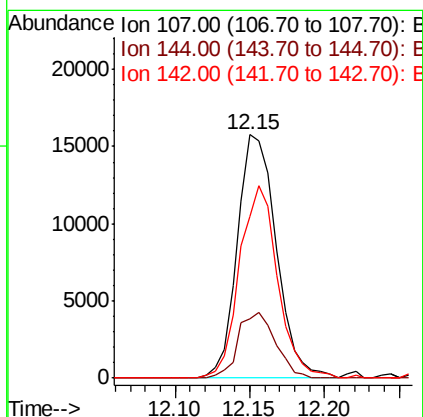
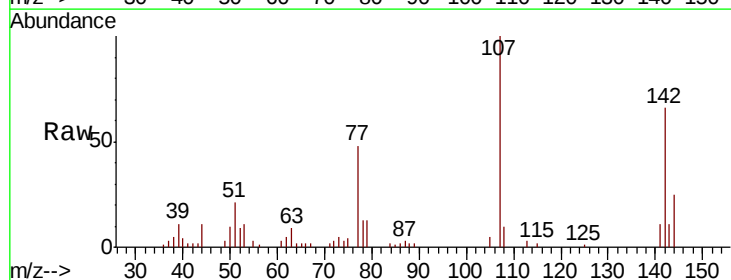
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

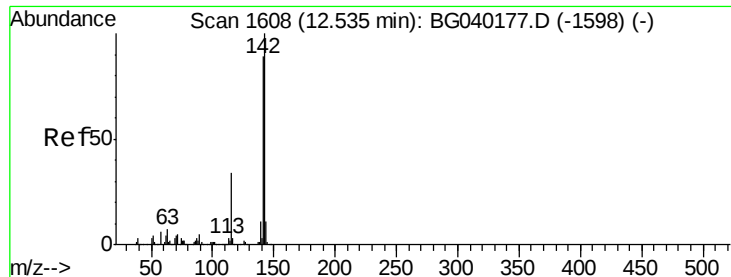
Tgt Ion:113 Resp: 9725
 Ion Ratio Lower Upper
 113 100
 55 201.9 184.2 224.2
 56 152.2 131.3 171.3



#36
 4-Chloro-3-methylphenol
 Concen: 7.204 ng
 RT: 12.15 min Scan# 1542
 Delta R.T. -0.01 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Tgt Ion:107 Resp: 28647
 Ion Ratio Lower Upper
 107 100
 144 24.6 20.5 30.7
 142 66.2 63.1 94.7

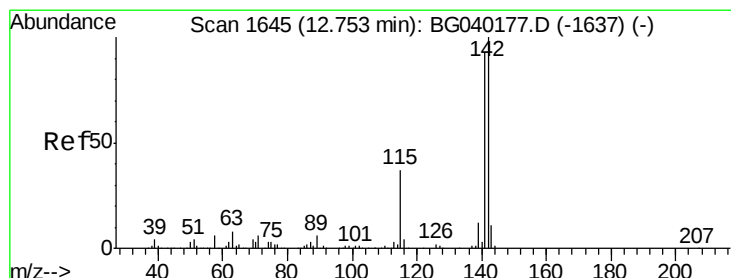
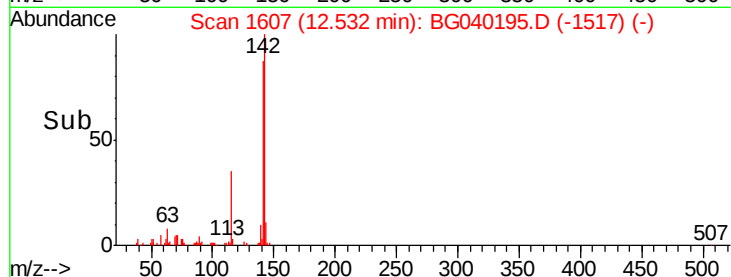
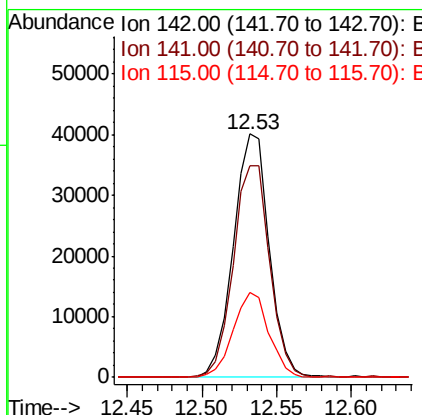
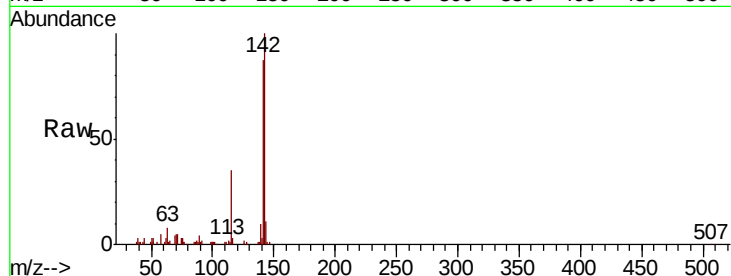




#37
2-Methylnaphthalene
Concen: 8.111 ng
RT: 12.53 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

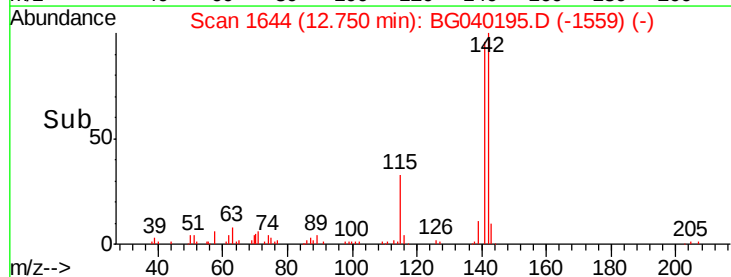
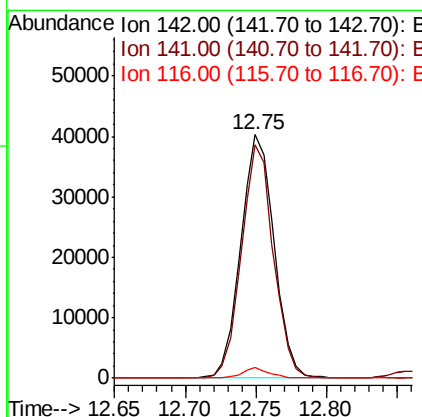
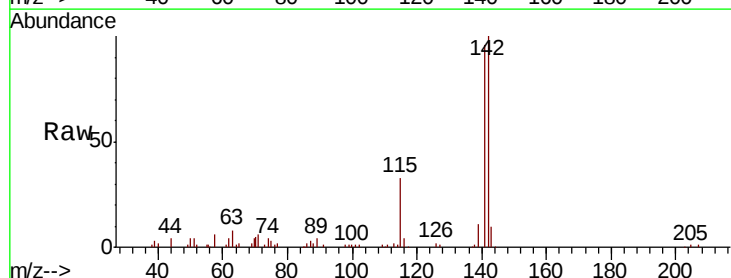
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

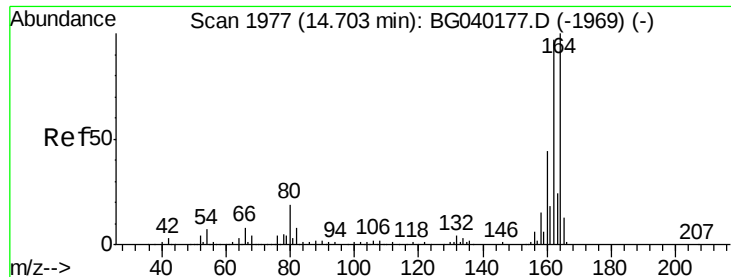
Tgt Ion:142 Resp: 66819
Ion Ratio Lower Upper
142 100
141 86.8 71.0 106.6
115 34.7 27.3 40.9



#38
1-Methylnaphthalene
Concen: 8.302 ng
RT: 12.75 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:142 Resp: 66320
Ion Ratio Lower Upper
142 100
141 95.6 74.2 111.4
116 4.4 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

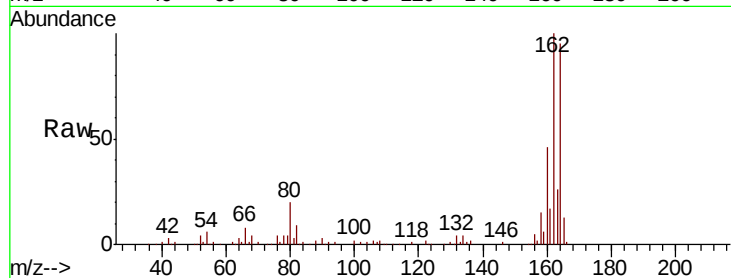
Tgt Ion:164 Resp: 133433

Ion Ratio Lower Upper

164 100

162 105.6 77.4 116.2

160 48.6 35.3 52.9

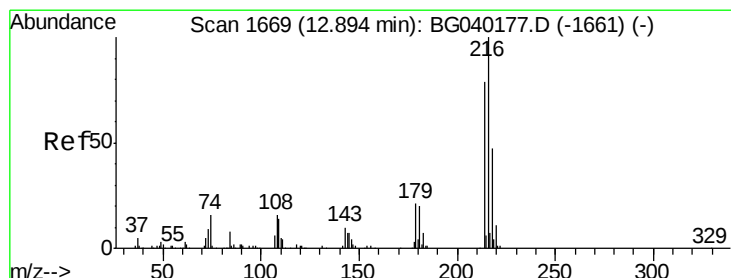
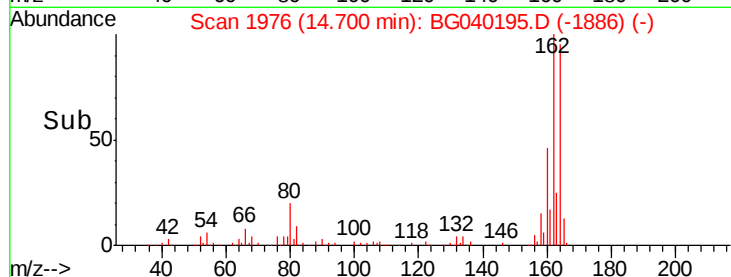
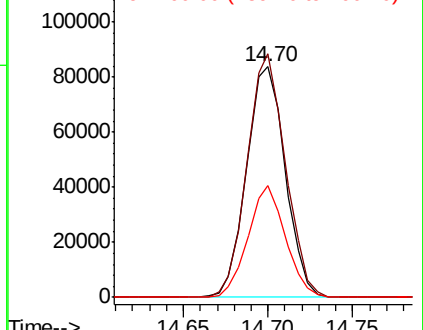


Abundance

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: 8.212 ng

RT: 12.89 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Tgt Ion:216 Resp: 34825

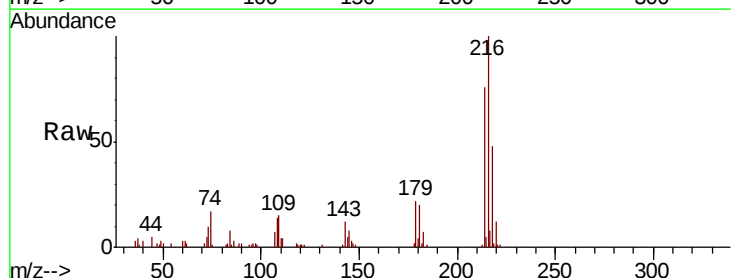
Ion Ratio Lower Upper

216 100

214 79.0 63.5 95.3

179 20.5 16.6 25.0

108 16.5 13.8 20.8



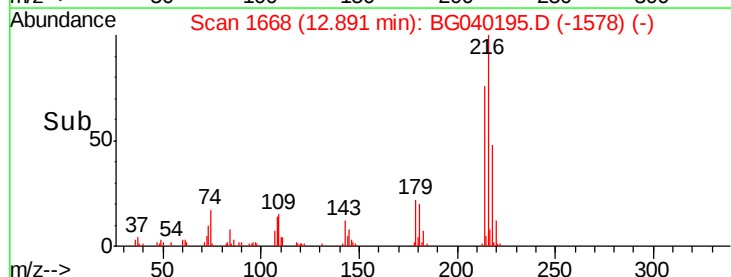
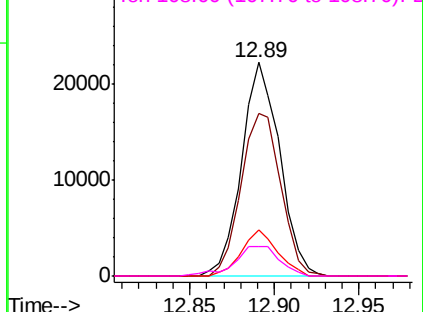
Abundance

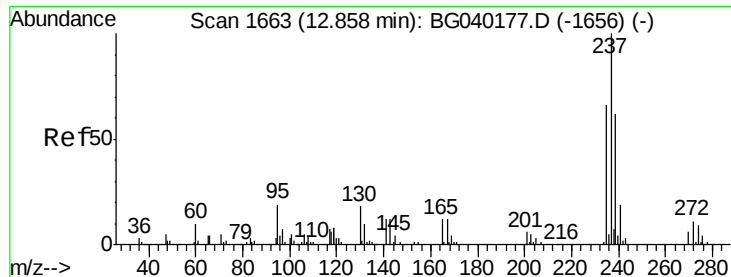
Ion 216.00 (215.70 to 216.70): E

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: 6.742 ng

RT: 12.86 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

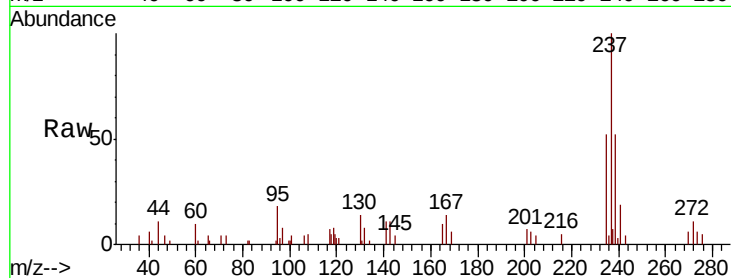
Tgt Ion:237 Resp: 15700

Ion Ratio Lower Upper

237 100

235 51.5 46.2 86.2

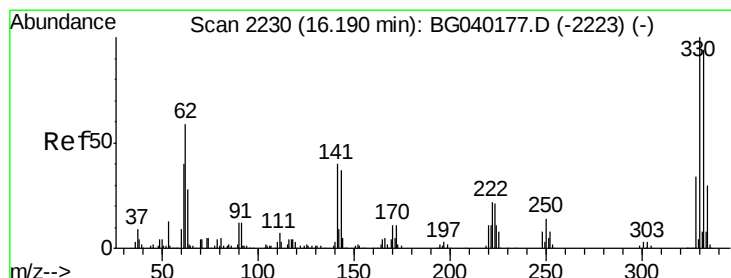
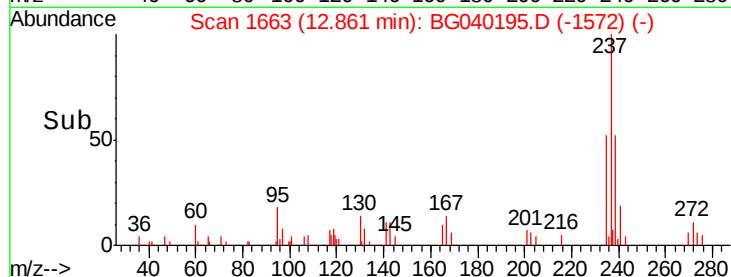
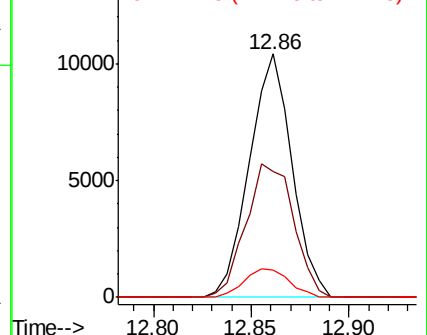
272 11.2 0.0 30.5



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: 142.909 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

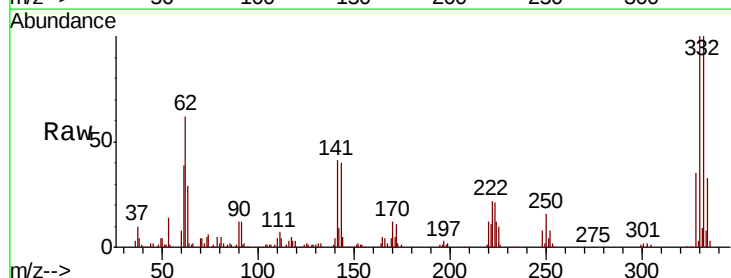
Tgt Ion:330 Resp: 206084

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

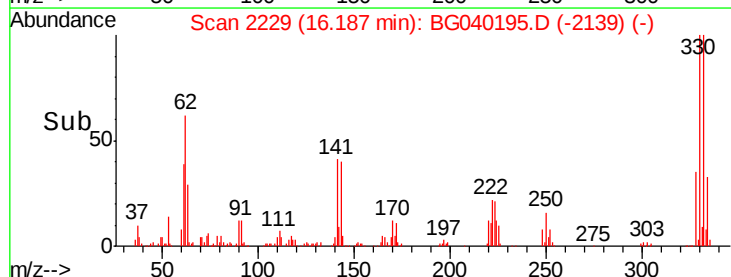
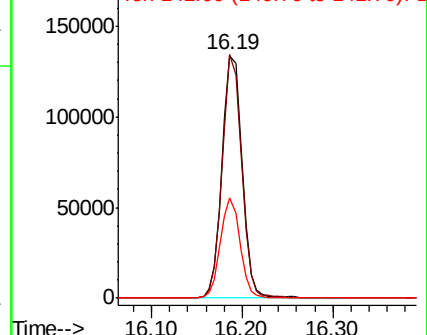
141 40.2 32.6 48.8



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

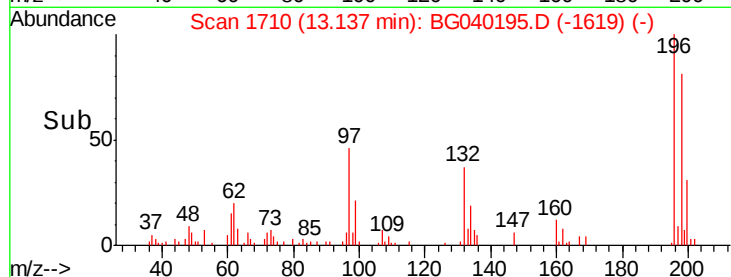
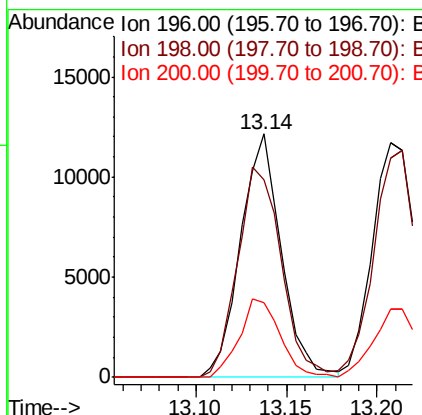
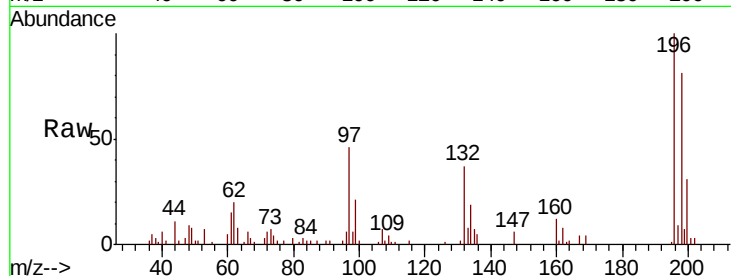




#43
 2,4,6-Trichlorophenol
 Concen: 6.951 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

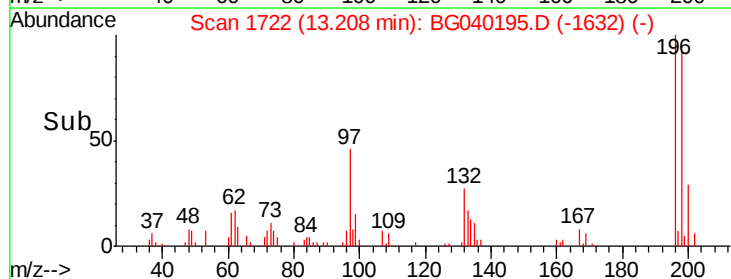
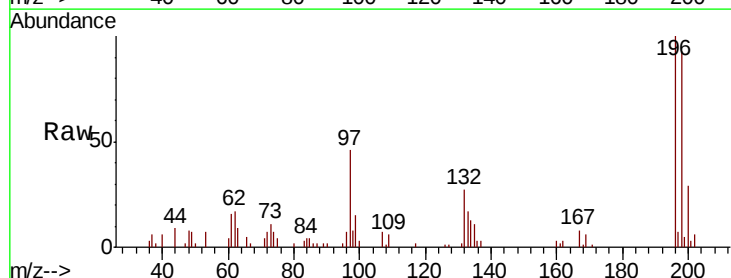
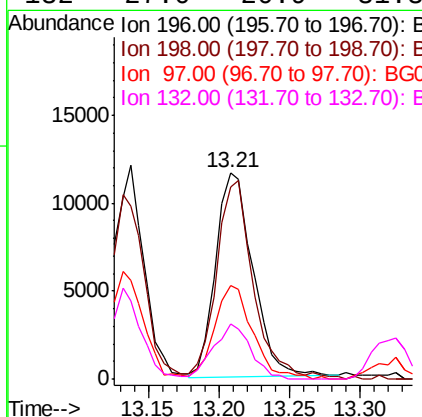
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:196 Resp: 19007
 Ion Ratio Lower Upper
 196 100
 198 81.0 78.3 117.5
 200 30.5 26.0 39.0



#44
 2,4,5-Trichlorophenol
 Concen: 7.118 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Tgt Ion:196 Resp: 21213
 Ion Ratio Lower Upper
 196 100
 198 93.3 75.0 112.6
 97 45.6 37.3 55.9
 132 27.0 20.9 31.3

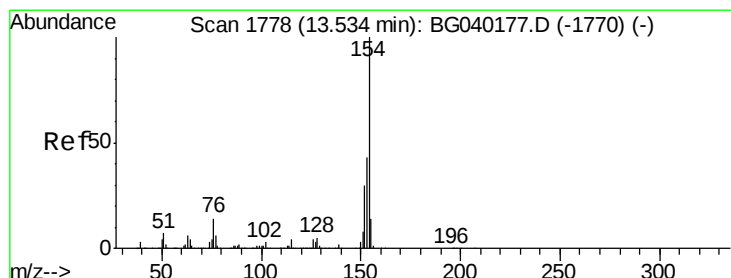
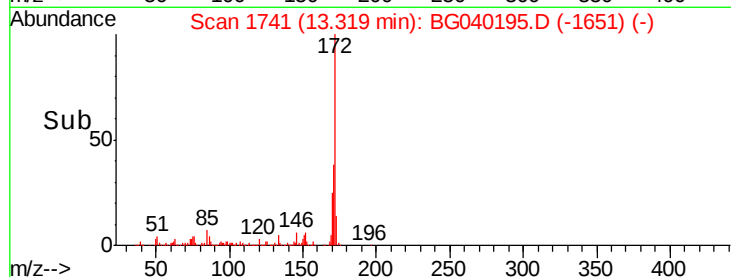
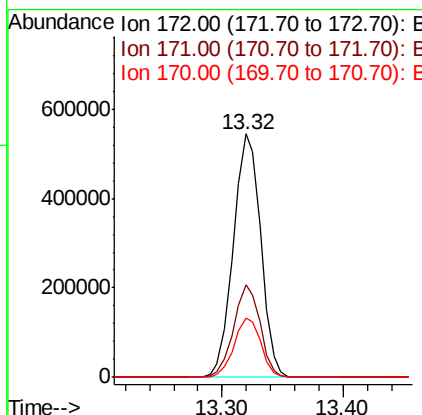
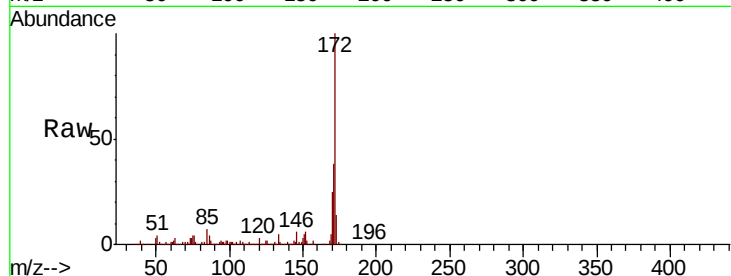




#45
2-Fluorobiphenyl
Concen: 95.497 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

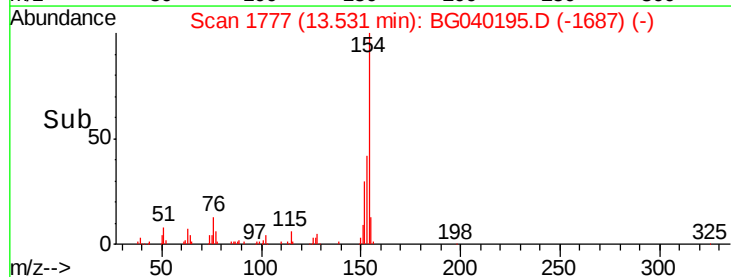
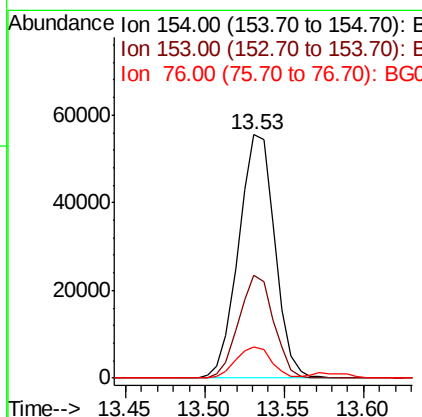
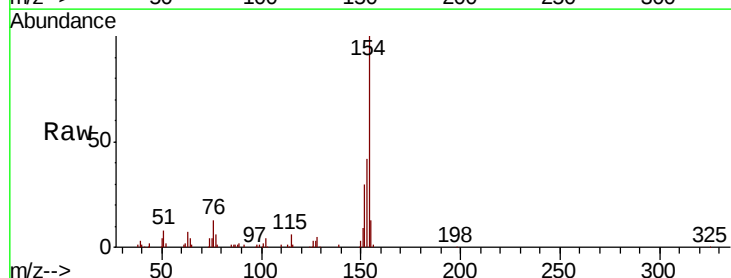
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:172 Resp: 859953
Ion Ratio Lower Upper
172 100
171 37.9 30.5 45.7
170 24.6 20.1 30.1



#46
1,1'-Biphenyl
Concen: 8.338 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:154 Resp: 87912
Ion Ratio Lower Upper
154 100
153 42.1 22.5 62.5
76 12.9 0.0 33.7





#47

2-Chloronaphthalene

Concen: 8.263 ng

RT: 13.58 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

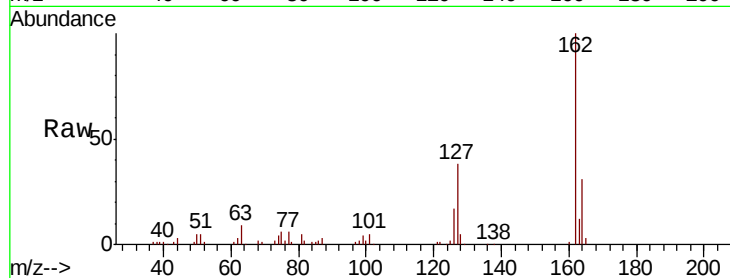
Tgt Ion: 162 Resp: 66824

Ion Ratio Lower Upper

162 100

127 37.6 30.6 45.8

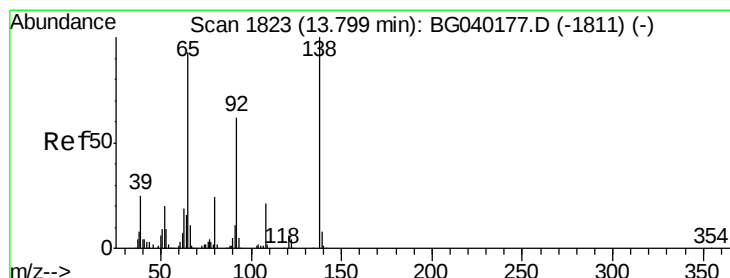
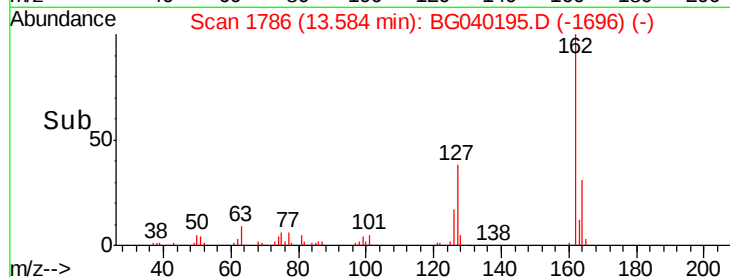
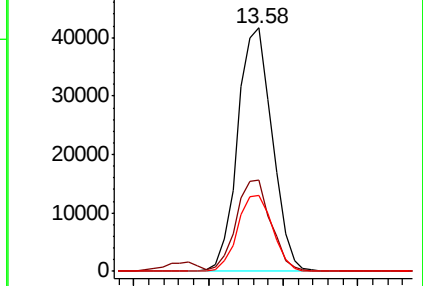
164 31.2 26.2 39.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 6.841 ng

RT: 13.80 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

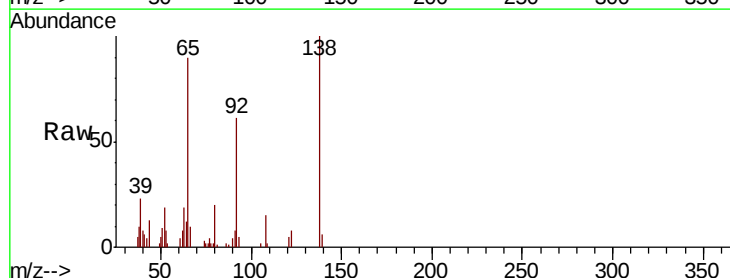
Tgt Ion: 65 Resp: 18660

Ion Ratio Lower Upper

65 100

92 67.5 53.8 80.6

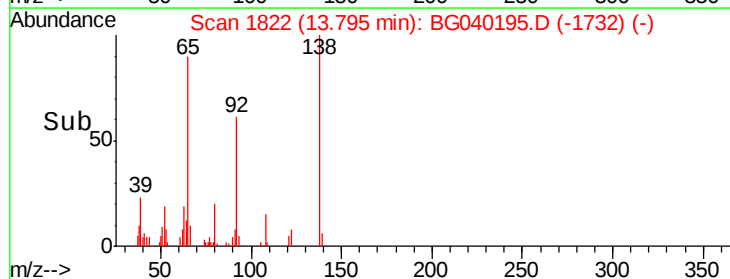
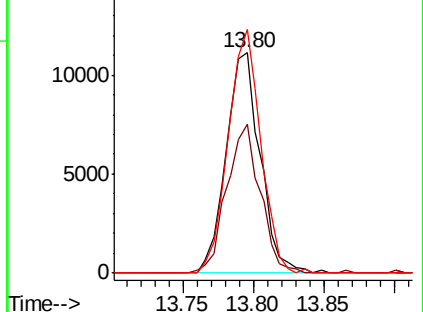
138 110.6 86.3 129.5

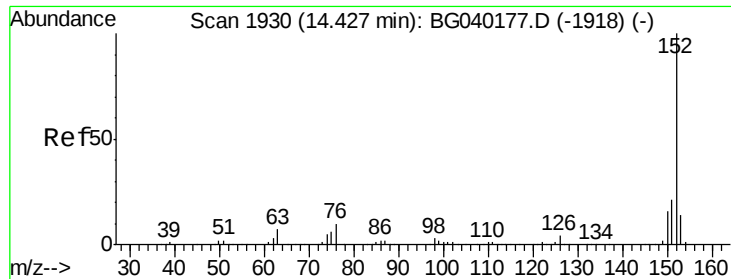


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.294 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

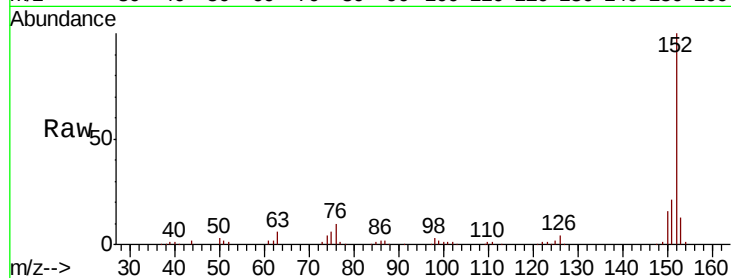
Tgt Ion:152 Resp: 113721

Ion Ratio Lower Upper

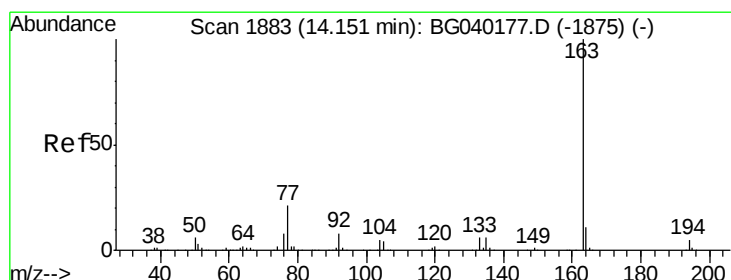
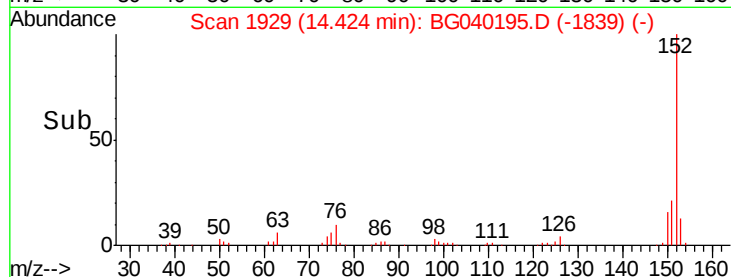
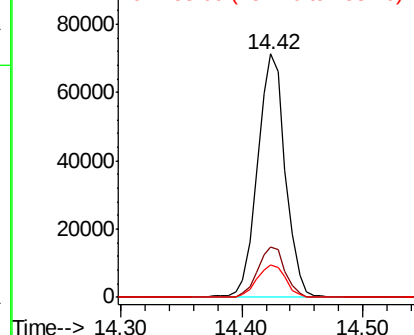
152 100

151 20.7 17.0 25.6

153 13.1 10.8 16.2



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: 8.253 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

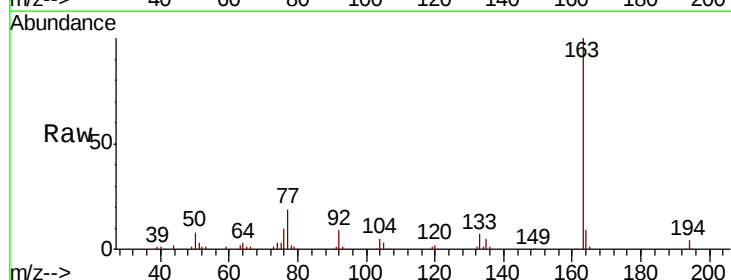
Tgt Ion:163 Resp: 86191

Ion Ratio Lower Upper

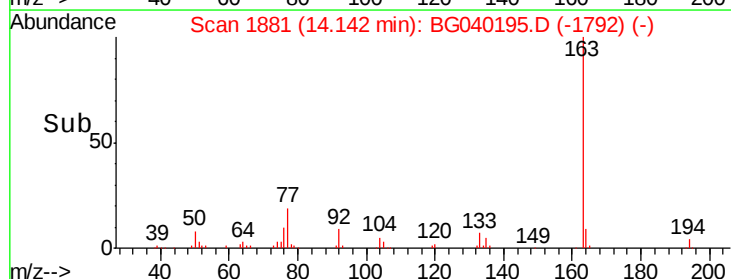
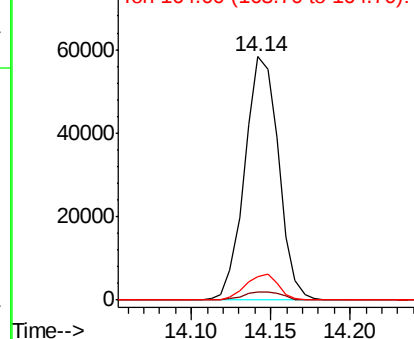
163 100

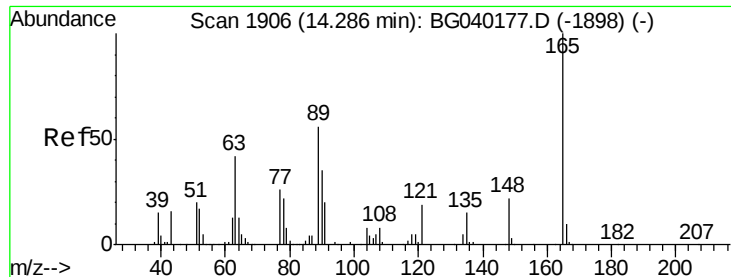
194 3.5 4.1 6.1#

164 9.5 8.6 13.0



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

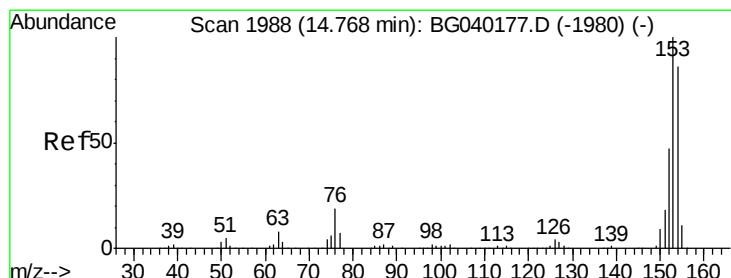
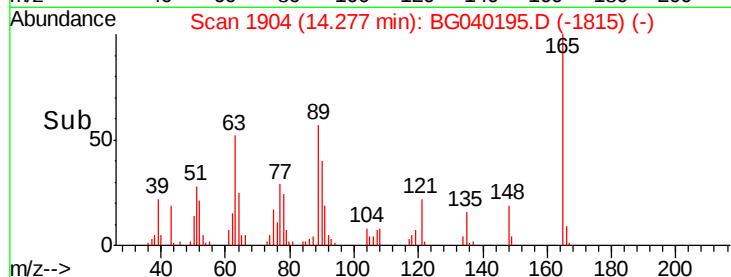
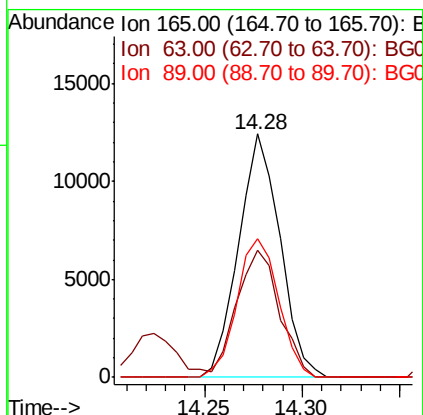
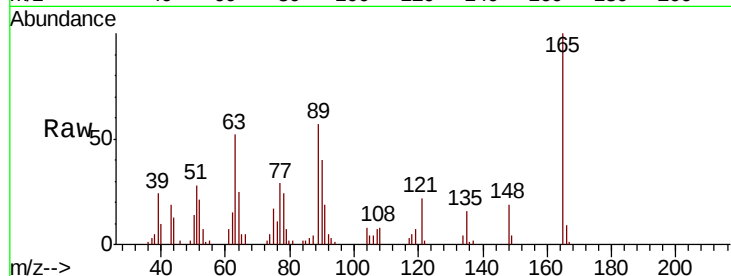




#51
 2,6-Dinitrotoluene
 Concen: 7.774 ng
 RT: 14.28 min Scan# 1904
 Delta R.T. -0.01 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

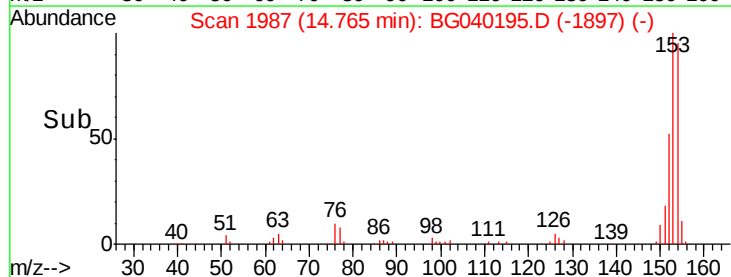
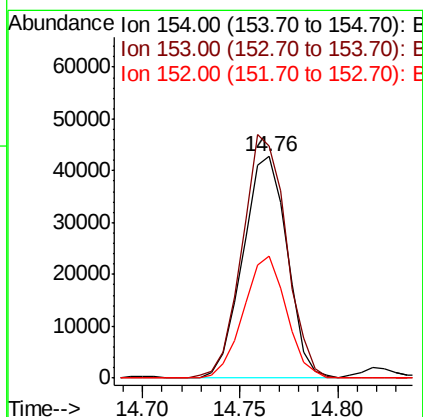
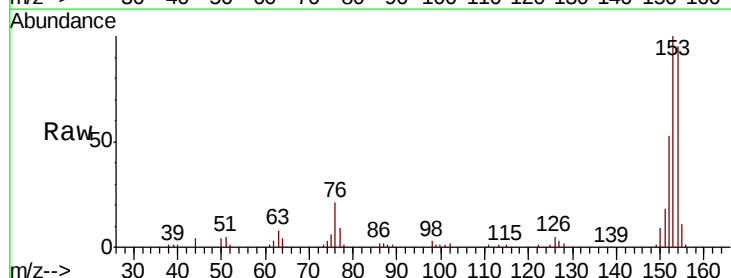
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

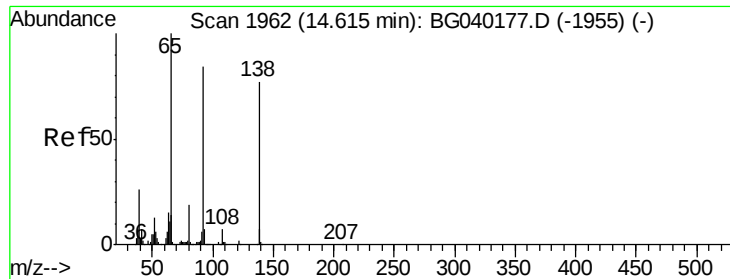
Tgt Ion:165 Resp: 18229
 Ion Ratio Lower Upper
 165 100
 63 52.0 44.1 66.1
 89 57.1 44.9 67.3



#52
 Acenaphthene
 Concen: 8.578 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Tgt Ion:154 Resp: 67396
 Ion Ratio Lower Upper
 154 100
 153 104.9 92.8 139.2
 152 55.3 43.4 65.2

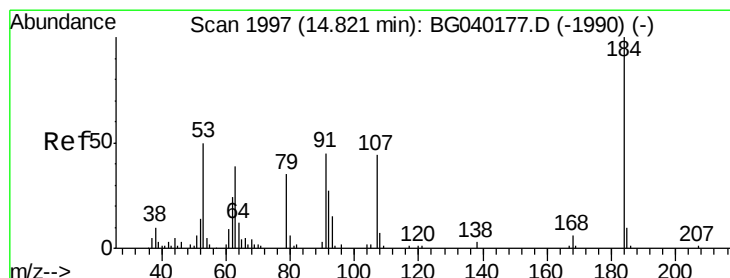
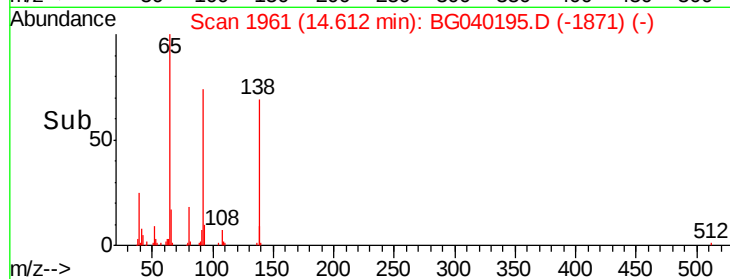
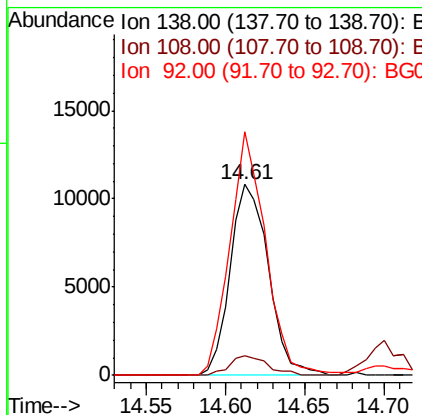
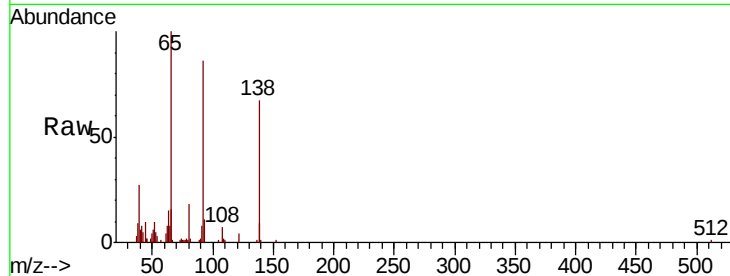




#53
3-Nitroaniline
Concen: 7.289 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

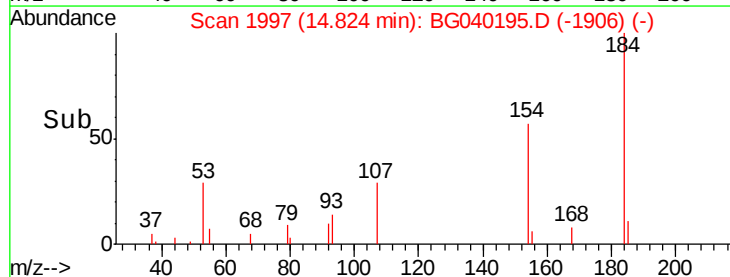
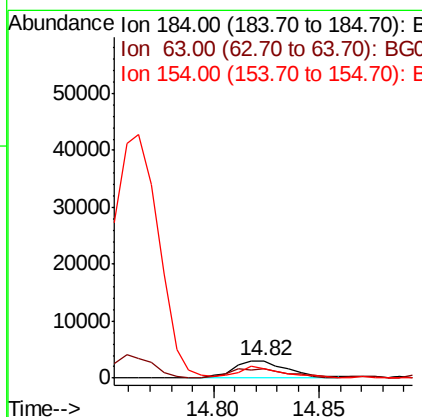
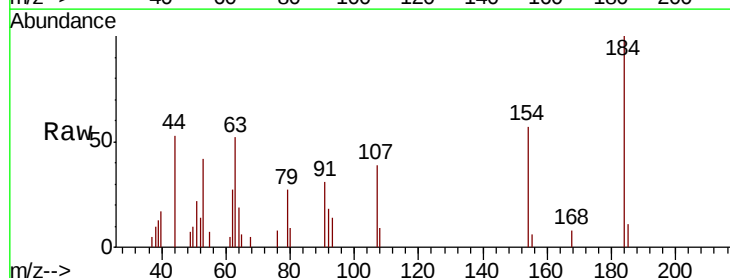
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

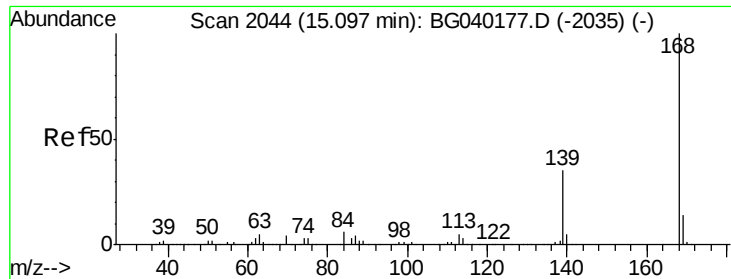
Tgt Ion:138 Resp: 18091
Ion Ratio Lower Upper
138 100
108 10.0 7.8 11.8
92 127.4 87.5 131.3



#54
2,4-Dinitrophenol
Concen: 4.345 ng
RT: 14.82 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:184 Resp: 5418
Ion Ratio Lower Upper
184 100
63 52.0 51.8 77.8
154 56.6 50.9 76.3

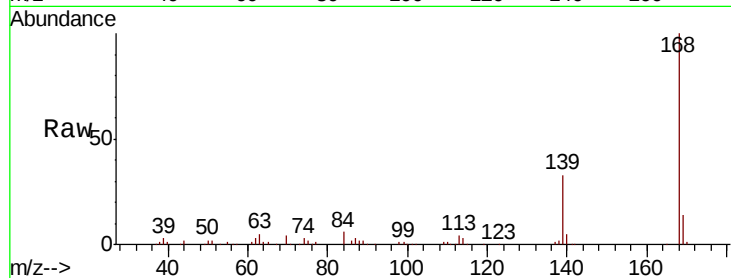




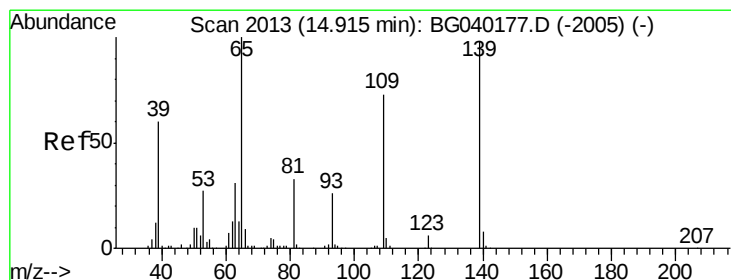
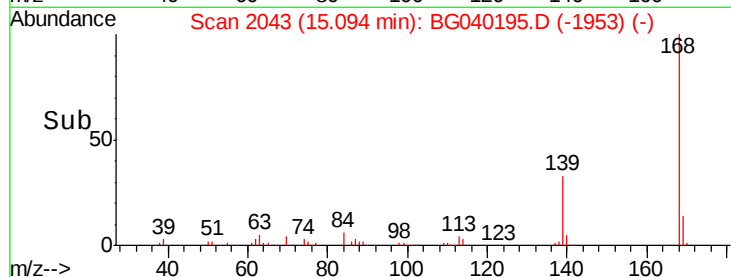
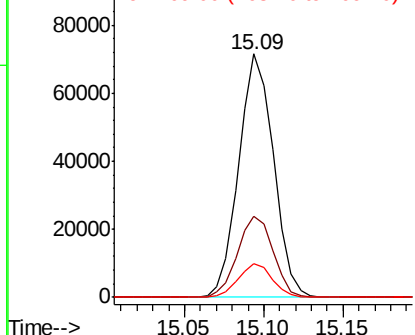
#55
Dibenzenofuran
Concen: 8.616 ng
RT: 15.09 min Scan# 2043
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:168 Resp: 108773
Ion Ratio Lower Upper
168 100
139 33.2 27.9 41.9
169 14.1 11.3 16.9

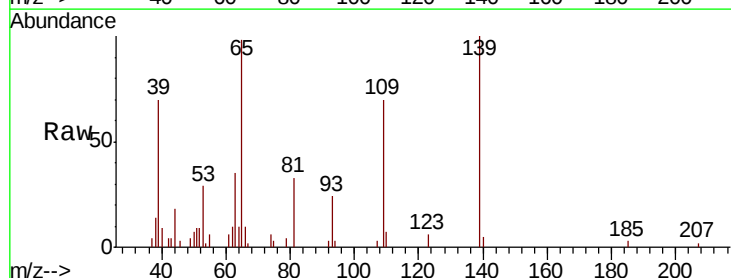


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

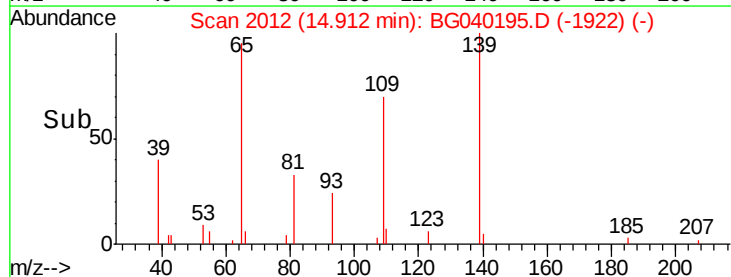
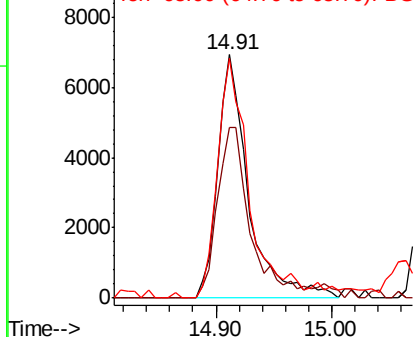


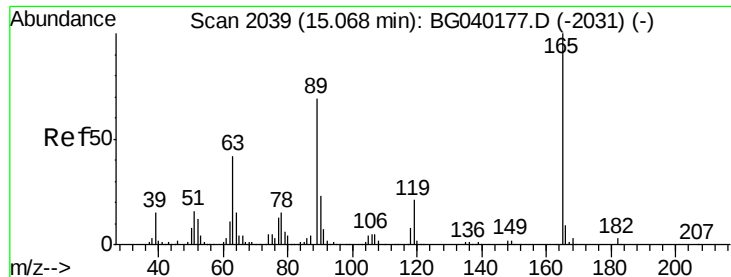
#56
4-Nitrophenol
Concen: 6.377 ng
RT: 14.91 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:139 Resp: 12774
Ion Ratio Lower Upper
139 100
109 70.0 54.3 94.3
65 98.5 82.5 122.5



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): BG

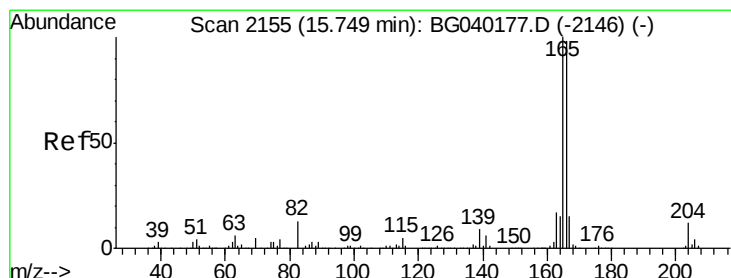
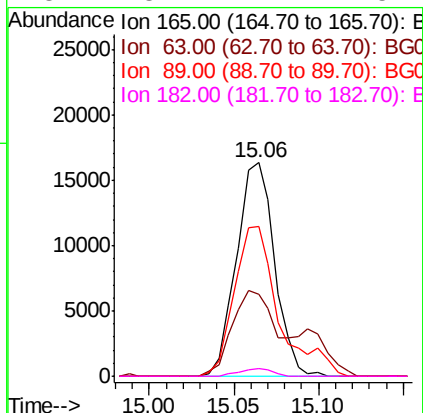
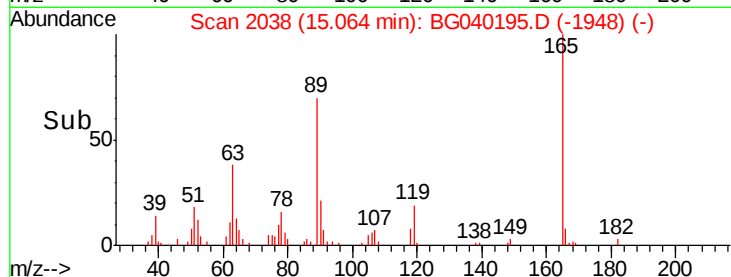
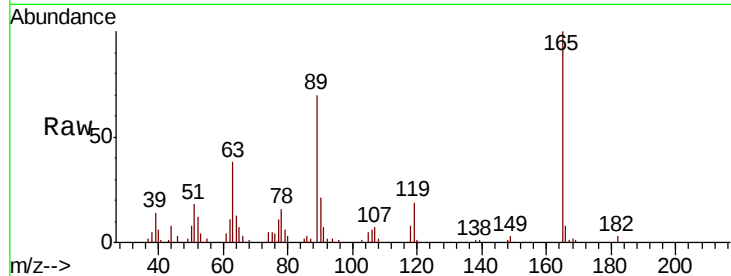




#57
2,4-Dinitrotoluene
Concen: 7.859 ng
RT: 15.06 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

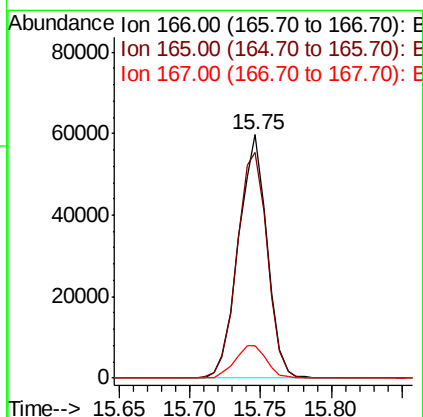
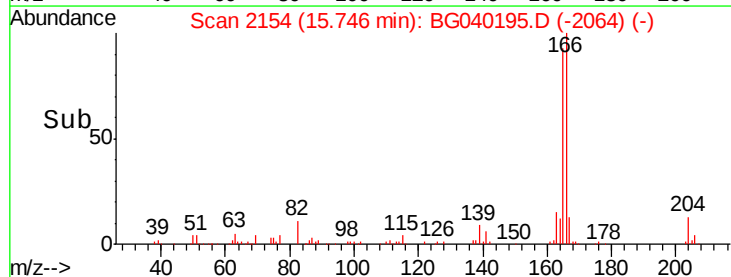
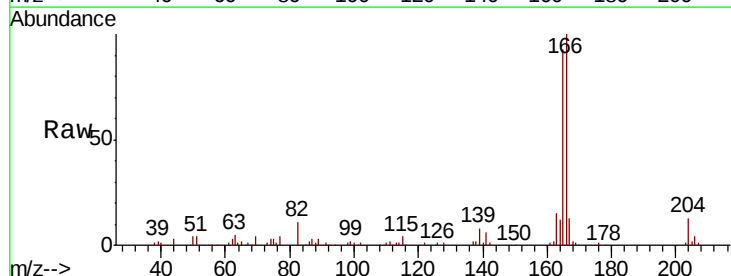
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

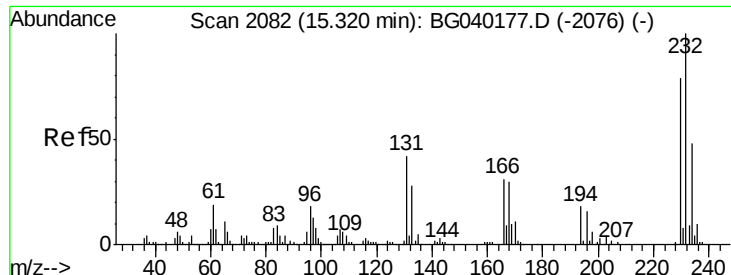
Tgt Ion:165 Resp: 25607
Ion Ratio Lower Upper
165 100
63 38.1 33.8 50.6
89 70.4 55.4 83.2
182 3.4 2.2 3.4#



#58
Fluorene
Concen: 8.495 ng
RT: 15.75 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:166 Resp: 84320
Ion Ratio Lower Upper
166 100
165 92.8 81.7 122.5
167 13.2 11.9 17.9

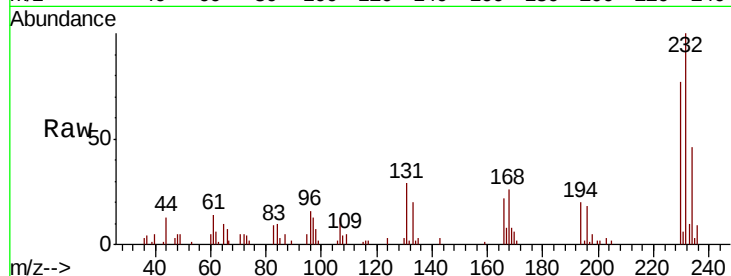




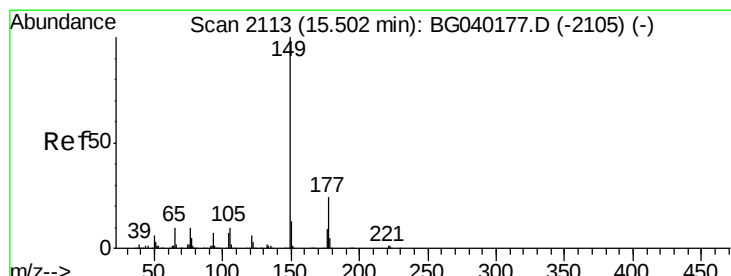
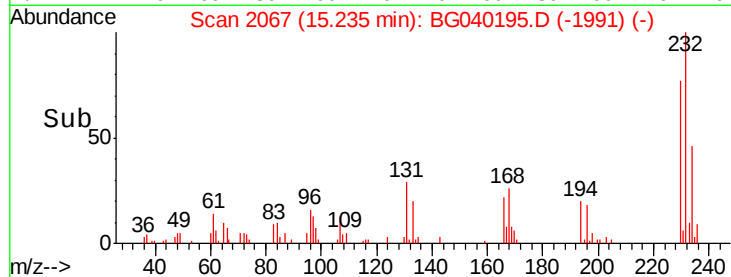
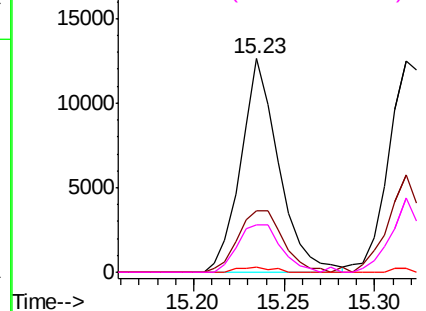
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.800 ng
 RT: 15.23 min Scan# 2067
 Delta R.T. -0.09 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:	232	Resp:	18390
Ion	Ratio	Lower	Upper
232	100		
131	34.4	32.9	49.3
130	2.2	1.8	2.8
166	25.9	23.5	35.3

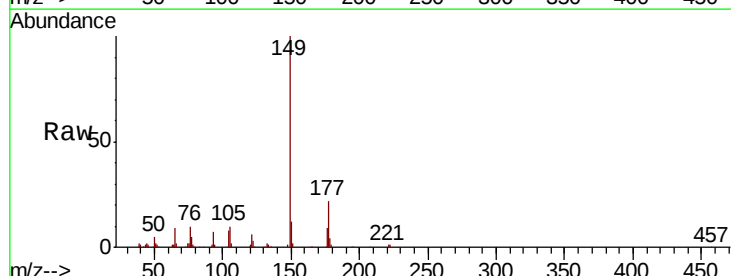


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

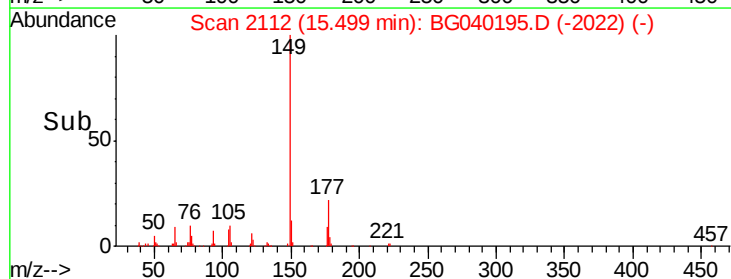
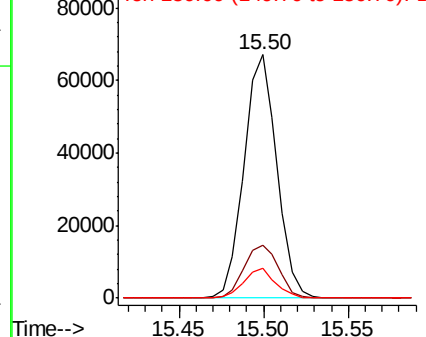


#60
 Diethylphthalate
 Concen: 8.459 ng
 RT: 15.50 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Tgt Ion:	149	Resp:	90394
Ion	Ratio	Lower	Upper
149	100		
177	22.0	19.1	28.7
150	12.4	10.6	15.8



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

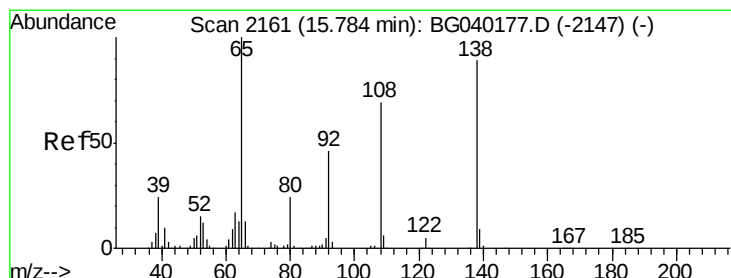
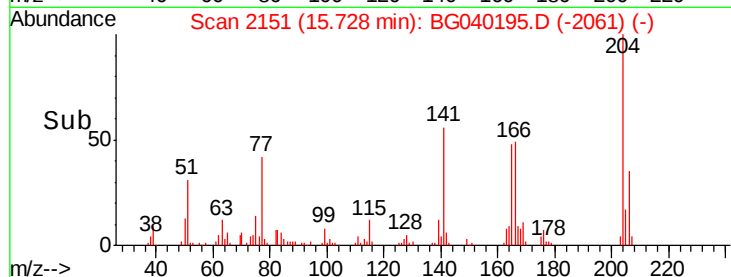
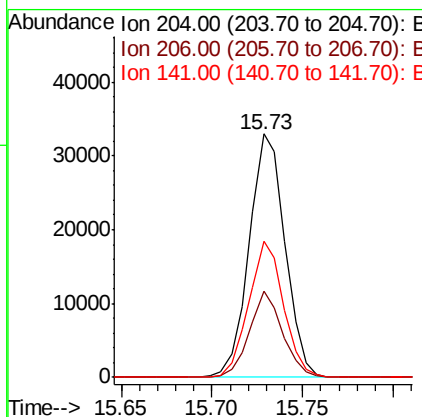
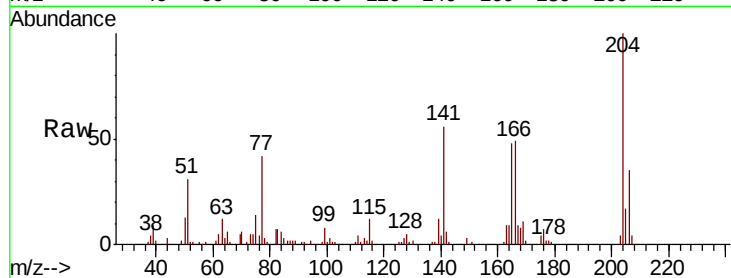




#61
4-Chlorophenyl-phenylether
Concen: 8.495 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

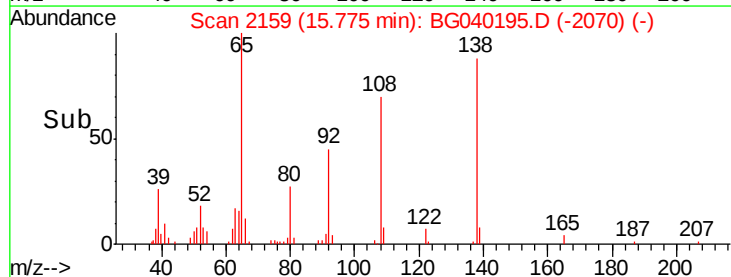
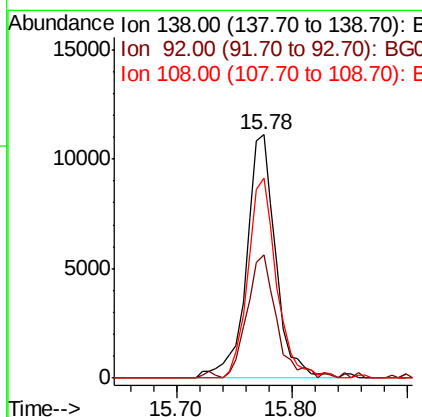
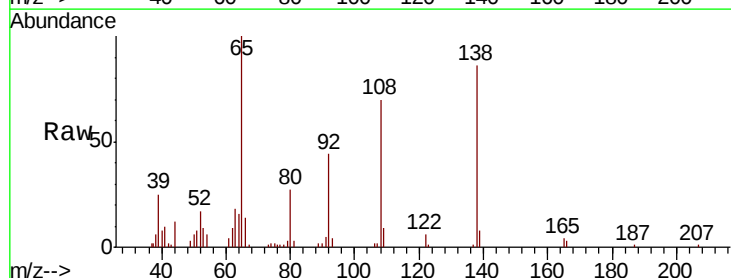
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

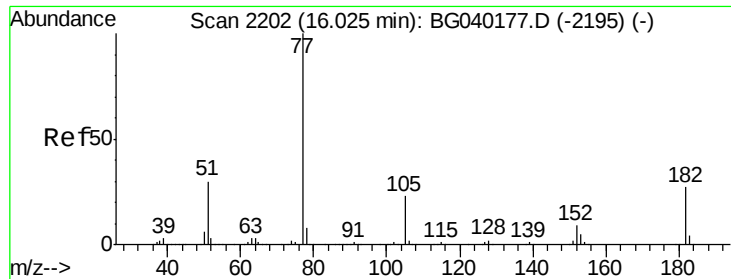
Tgt Ion: 204 Resp: 45074
Ion Ratio Lower Upper
204 100
206 35.4 25.7 38.5
141 55.8 44.0 66.0



#62
4-Nitroaniline
Concen: 7.350 ng
RT: 15.78 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion: 138 Resp: 19577
Ion Ratio Lower Upper
138 100
92 50.9 31.8 71.8
108 82.0 57.2 97.2

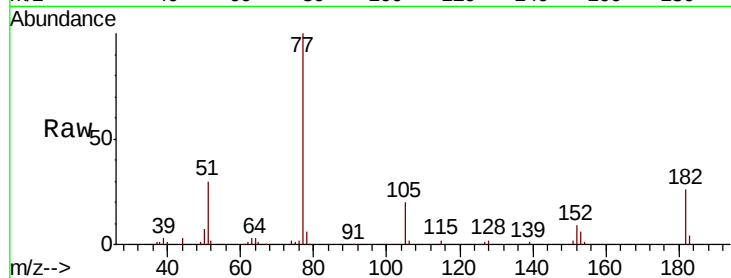




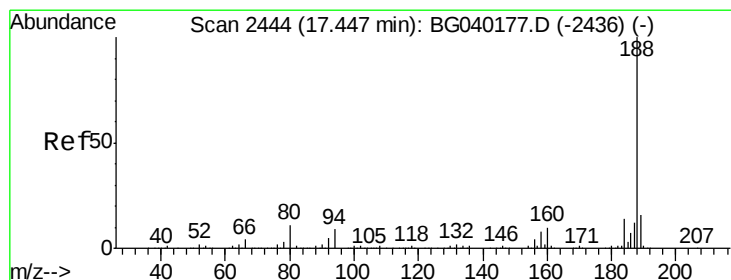
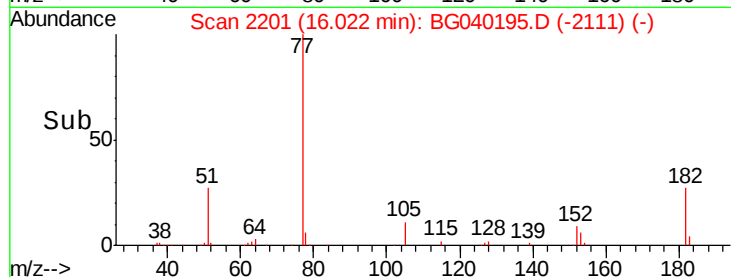
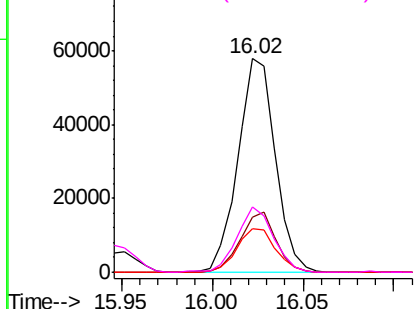
#63
Azobenzene
Concen: 8.244 ng
RT: 16.02 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion: 77 Resp: 83098
Ion Ratio Lower Upper
77 100
182 25.7 7.2 47.2
105 20.2 2.8 42.8
51 30.4 10.4 50.4

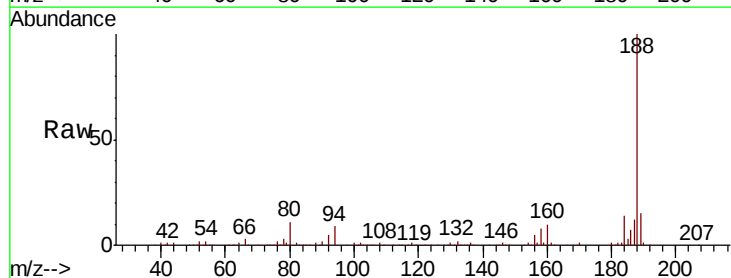


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

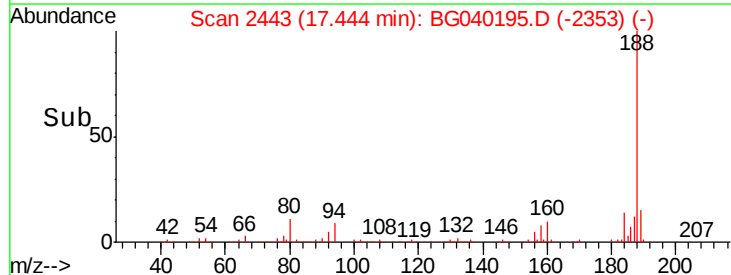
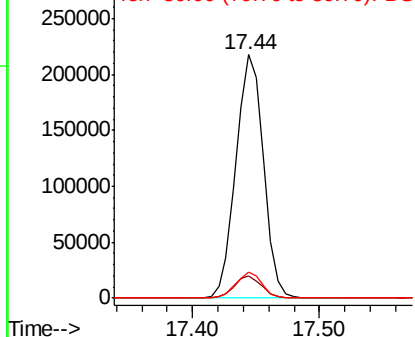


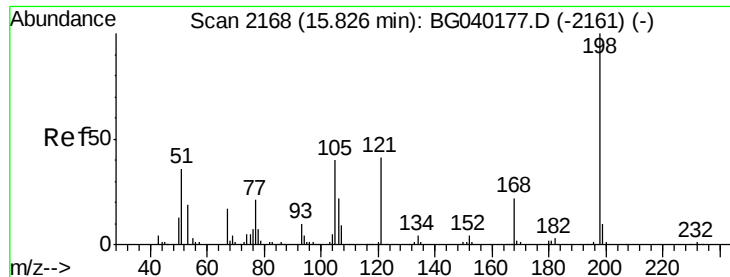
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion: 188 Resp: 325380
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 10.7 8.6 13.0



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

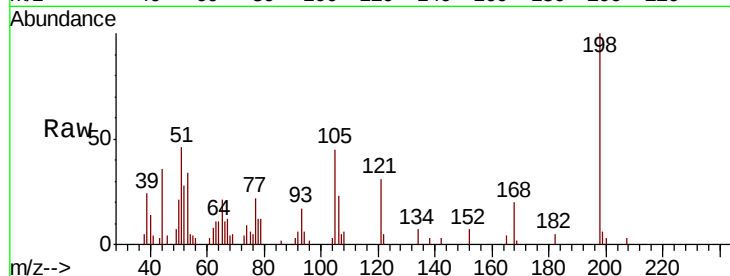




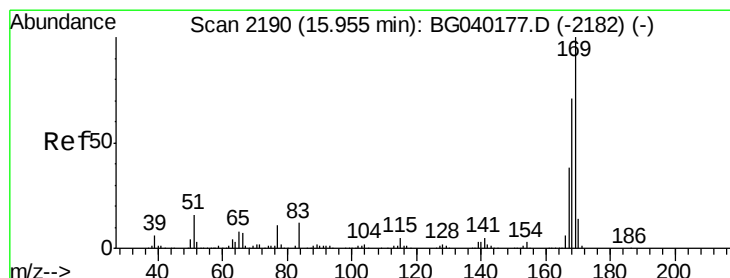
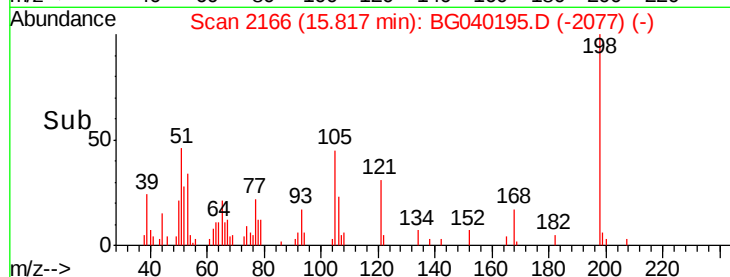
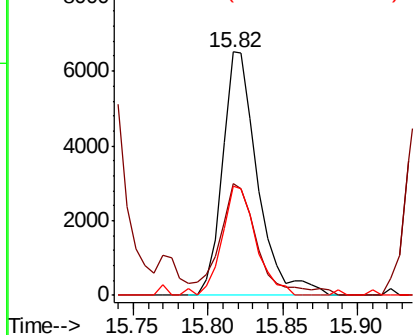
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.859 ng
 RT: 15.82 min Scan# 2166
 Delta R.T. -0.01 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:198 Resp: 10710
 Ion Ratio Lower Upper
 198 100
 51 46.1 27.3 67.3
 105 45.0 21.7 61.7

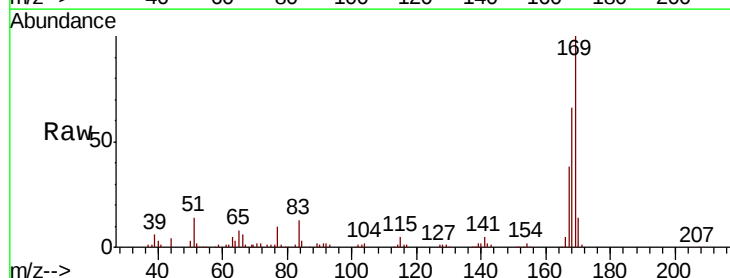


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

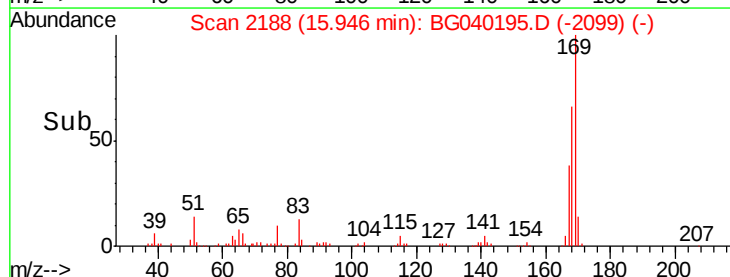
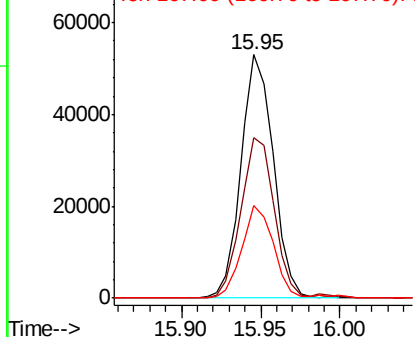


#66
 n-Nitrosodiphenylamine
 Concen: 7.900 ng
 RT: 15.95 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Tgt Ion:169 Resp: 75221
 Ion Ratio Lower Upper
 169 100
 168 65.8 56.8 85.2
 167 37.8 30.2 45.4



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

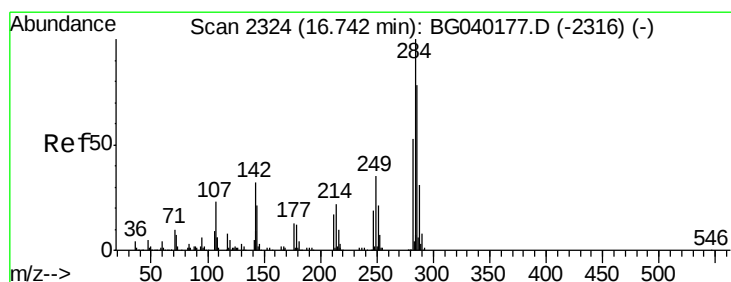
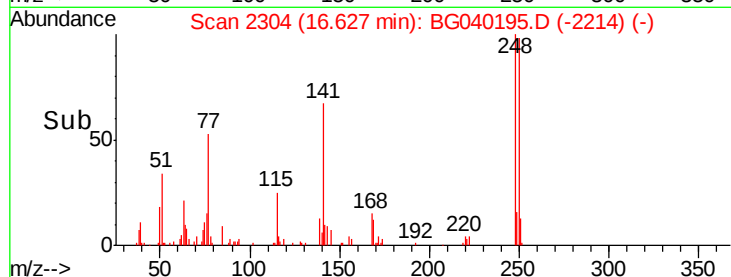
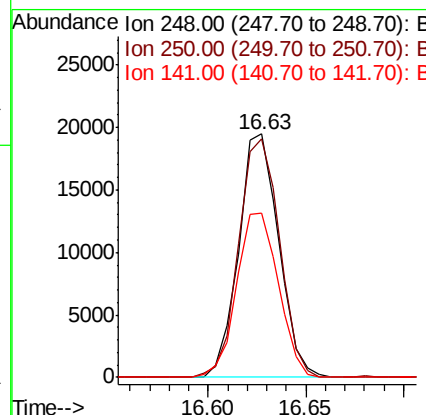
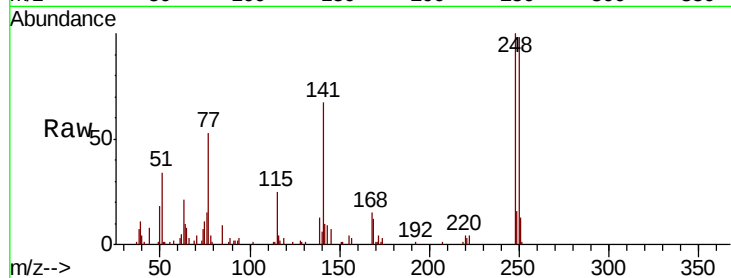




#67
 4-Bromophenyl-phenylether
 Concen: 7.565 ng
 RT: 16.63 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

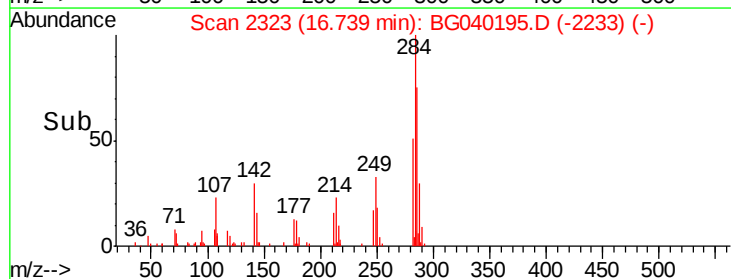
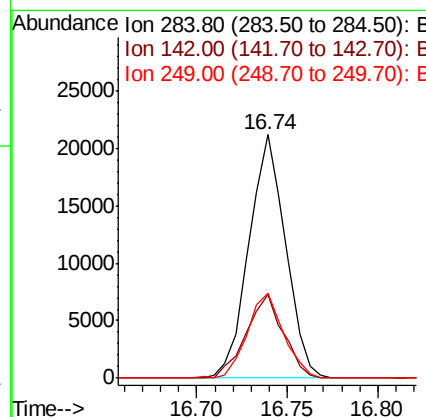
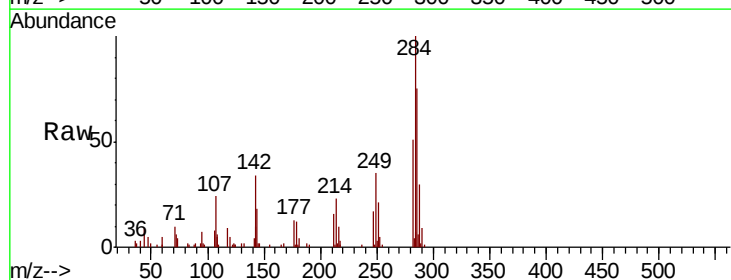
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

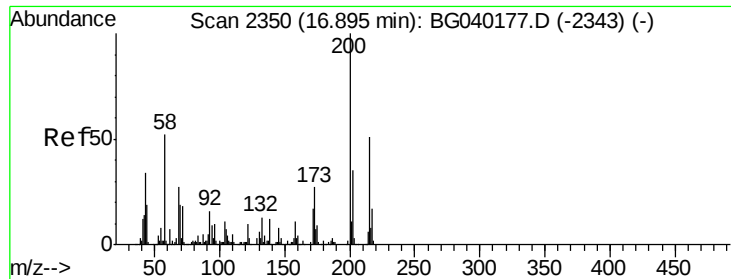
Tgt Ion:248 Resp: 27702
 Ion Ratio Lower Upper
 248 100
 250 98.0 76.4 114.6
 141 67.5 53.8 80.8



#68
 Hexachlorobenzene
 Concen: 8.071 ng
 RT: 16.74 min Scan# 2323
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Tgt Ion:284 Resp: 29713
 Ion Ratio Lower Upper
 284 100
 142 34.1 25.3 37.9
 249 35.0 28.2 42.2

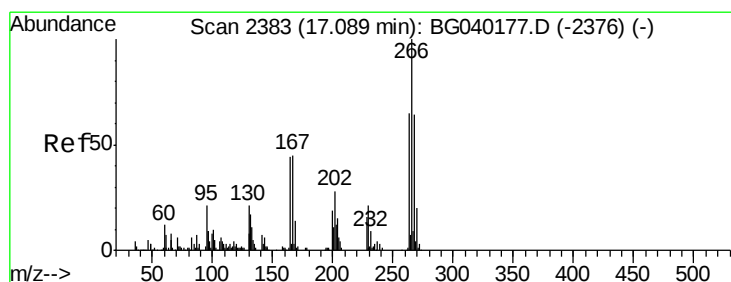
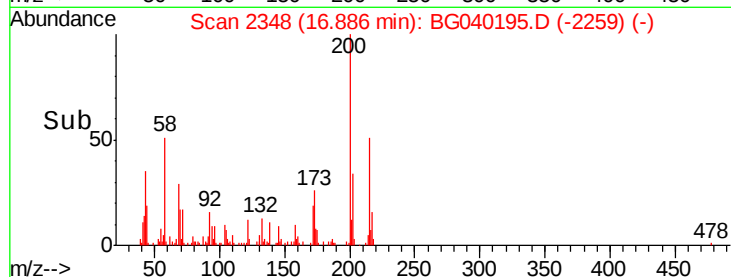
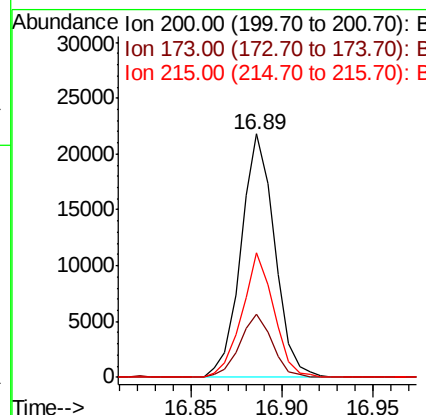
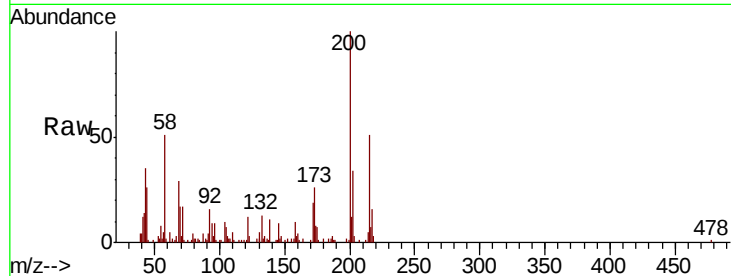




#69
Atrazine
Concen: 7.924 ng
RT: 16.89 min Scan# 2348
Delta R.T. -0.01 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

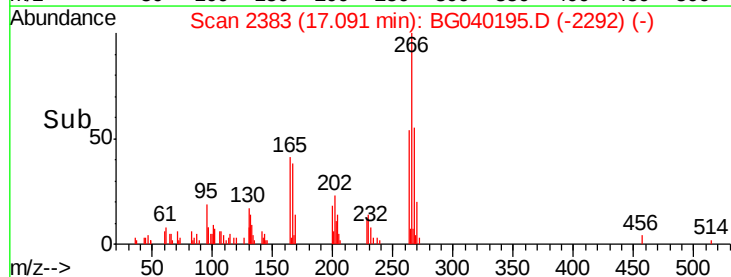
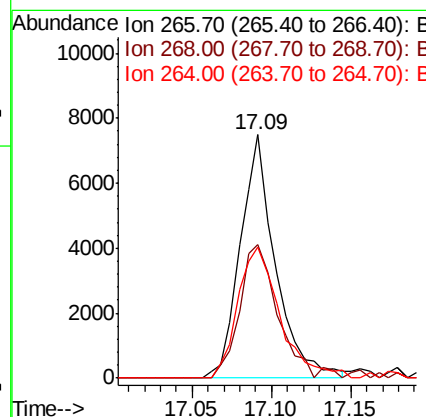
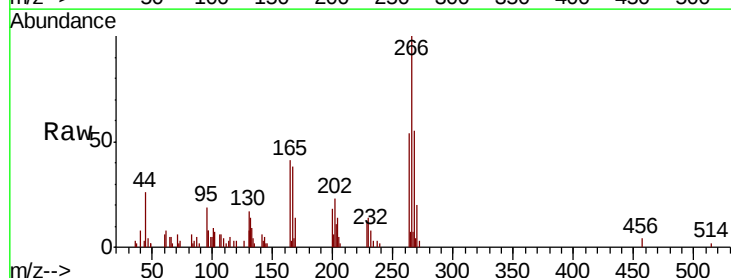
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

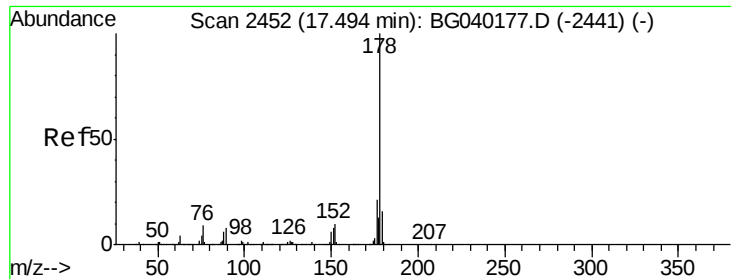
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.0	7.1	47.1
215	50.9	30.9	70.9



#70
Pentachlorophenol
Concen: 5.378 ng
RT: 17.09 min Scan# 2383
Delta R.T. 0.00 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
266	100		
268	58.3	55.0	82.4
264	60.9	51.8	77.8





#71

Phenanthrene

Concen: 8.581 ng

RT: 17.49 min Scan# 2450

Delta R.T. -0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

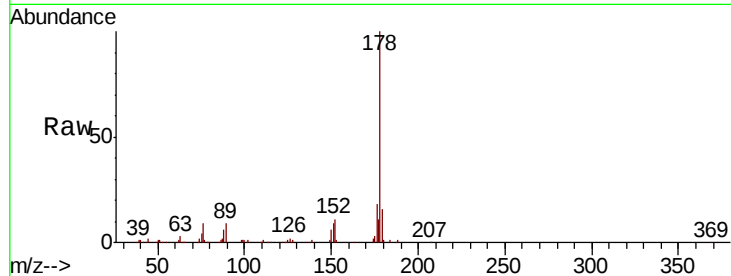
Tgt Ion:178 Resp: 146753

Ion Ratio Lower Upper

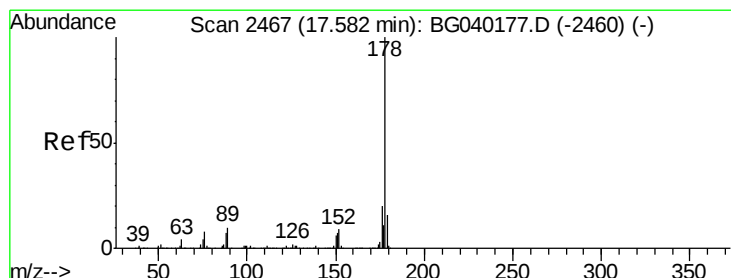
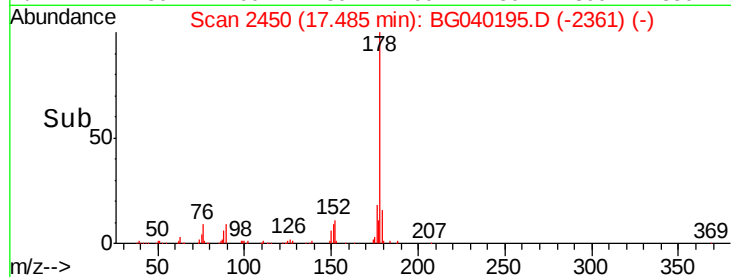
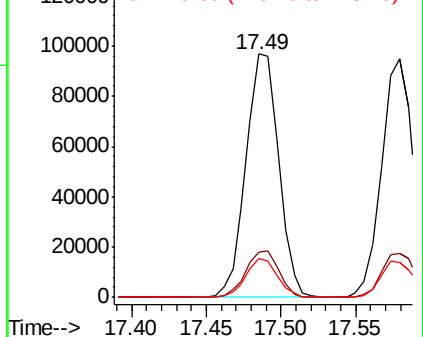
178 100

176 18.5 16.7 25.1

179 16.0 12.8 19.2



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



#72

Anthracene

Concen: 8.283 ng

RT: 17.58 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

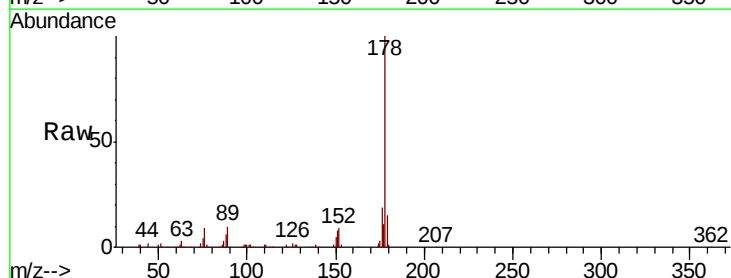
Tgt Ion:178 Resp: 141798

Ion Ratio Lower Upper

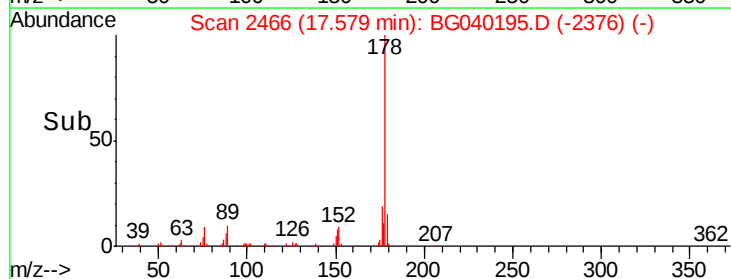
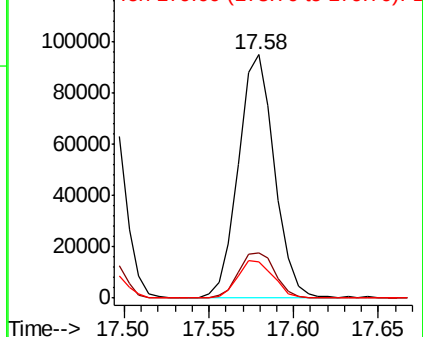
178 100

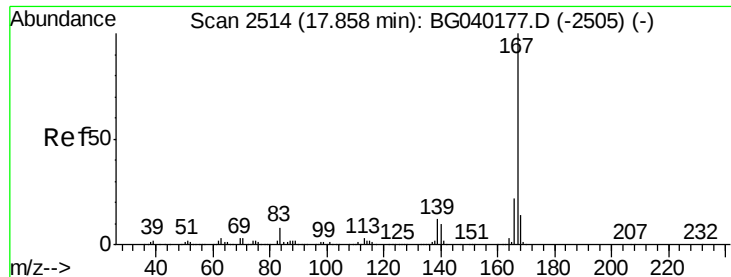
176 18.6 15.9 23.9

179 14.8 12.9 19.3



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

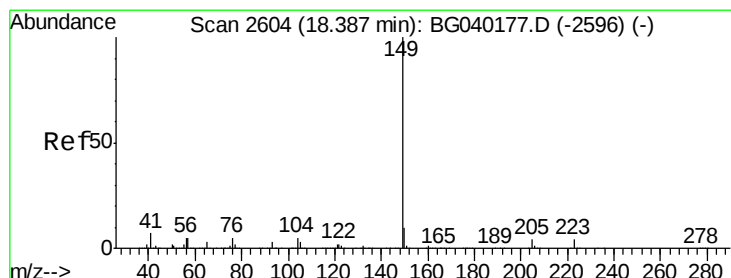
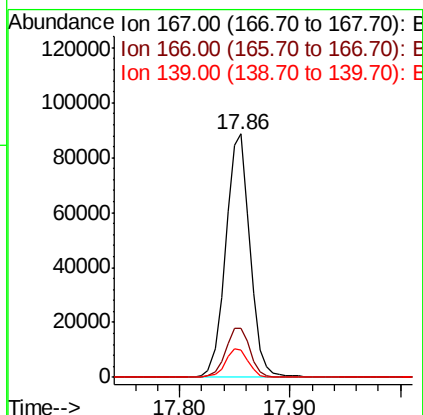
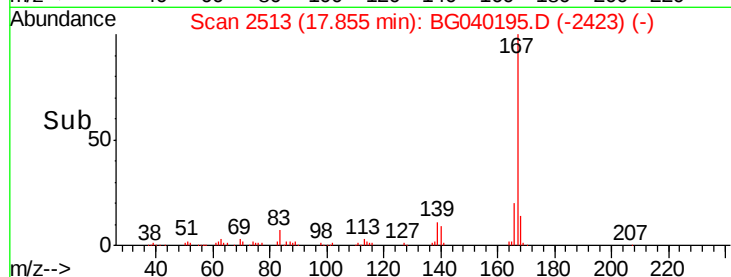
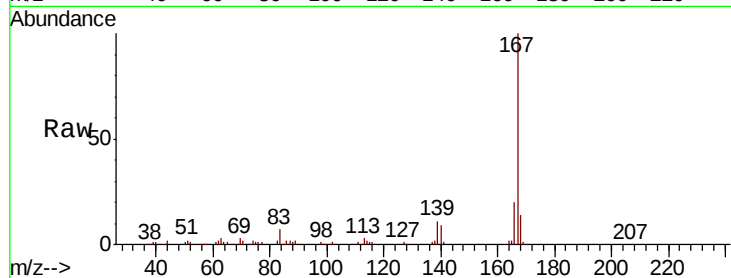




#73
 Carbazole
 Concen: 8.374 ng
 RT: 17.86 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

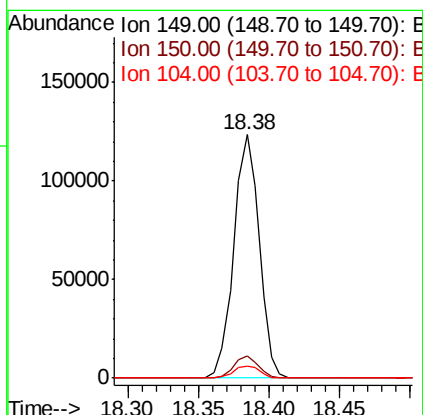
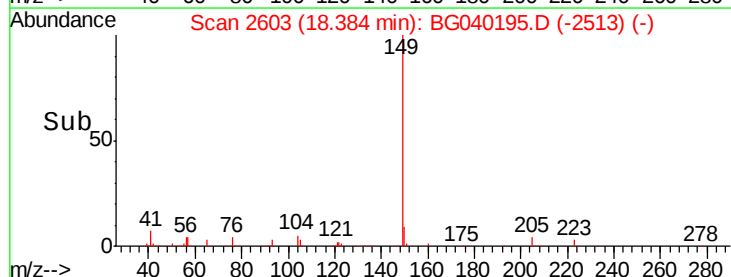
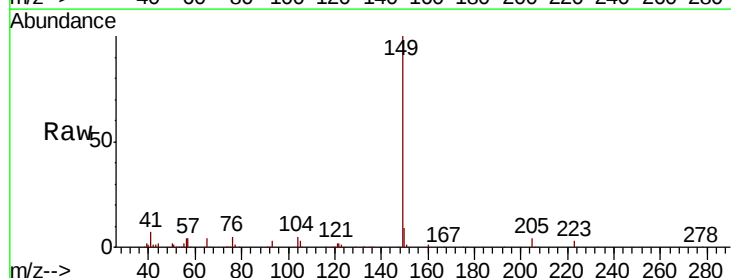
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

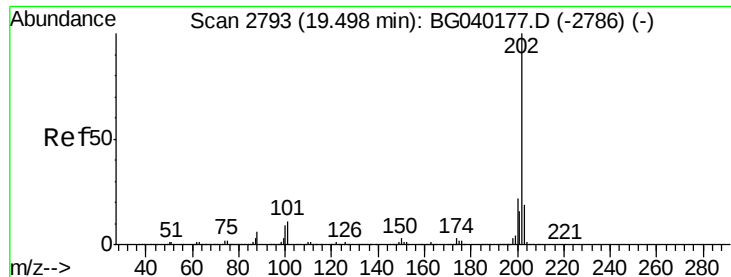
Tgt Ion:167 Resp: 135663
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.5 26.3
 139 11.2 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 8.056 ng
 RT: 18.38 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: BG040195.D
 Acq: 28 Mar 2019 11:42

Tgt Ion:149 Resp: 154710
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.9 11.9
 104 5.2 4.1 6.1





#75

Fluoranthene

Concen: 8.918 ng

RT: 19.49 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

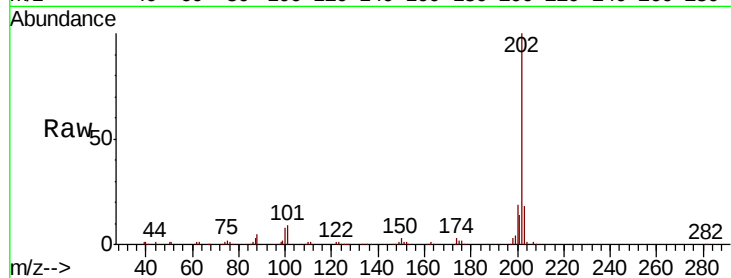
Tgt Ion:202 Resp: 180601

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.8

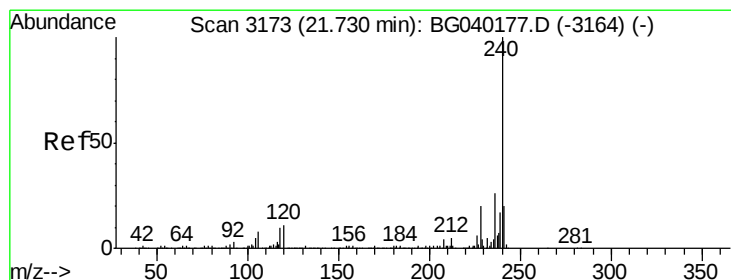
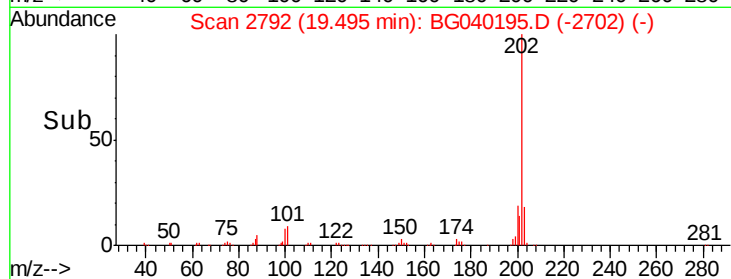
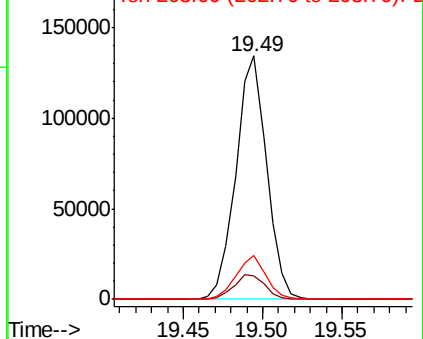
203 18.2 0.0 38.9



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: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

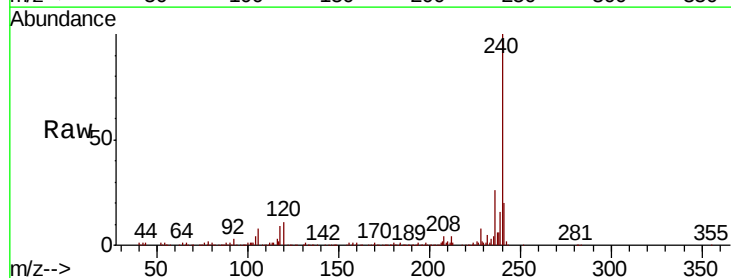
Tgt Ion:240 Resp: 343758

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

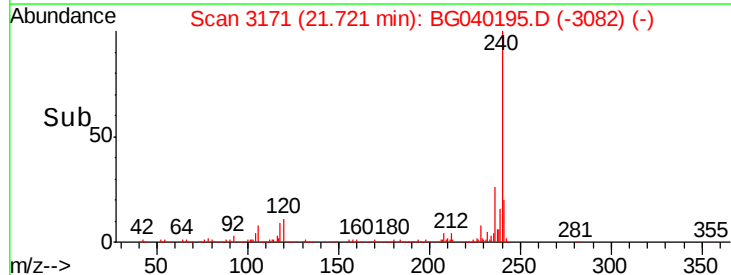
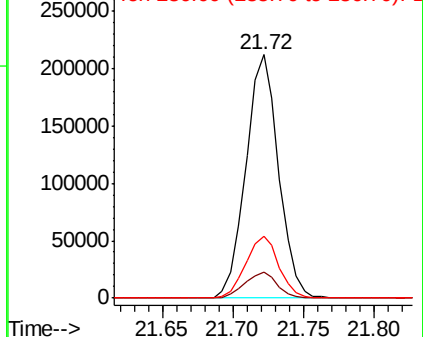
236 25.5 20.8 31.2

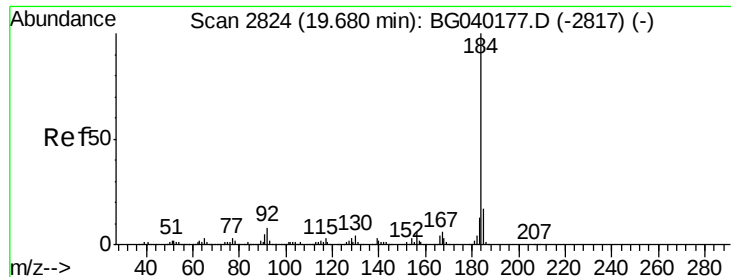


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.943 ng

RT: 19.68 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

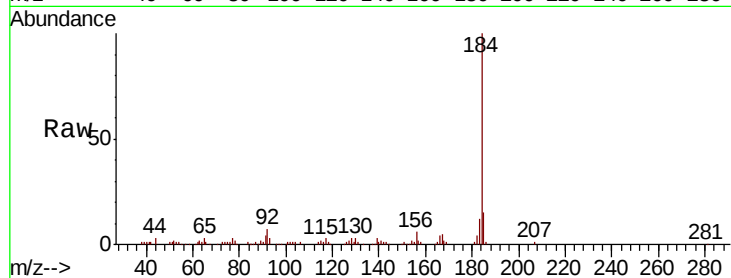
Tgt Ion:184 Resp: 86182

Ion Ratio Lower Upper

184 100

185 14.8 13.3 19.9

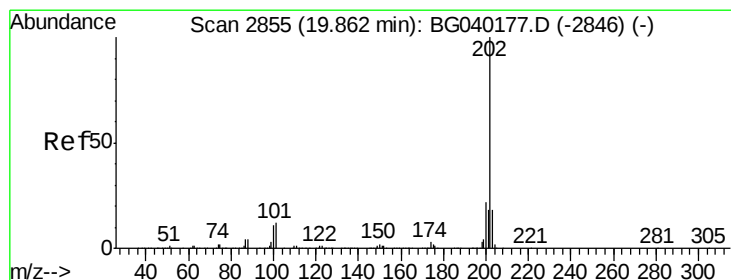
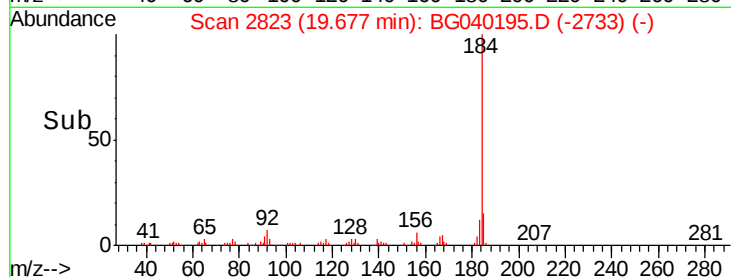
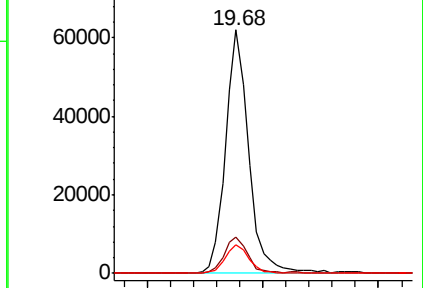
183 11.7 10.3 15.5



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: 8.296 ng

RT: 19.85 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

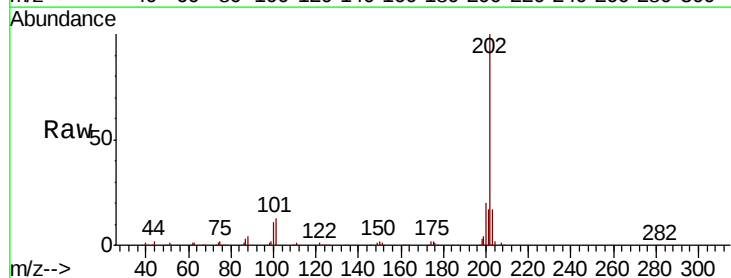
Tgt Ion:202 Resp: 187530

Ion Ratio Lower Upper

202 100

200 20.0 17.3 25.9

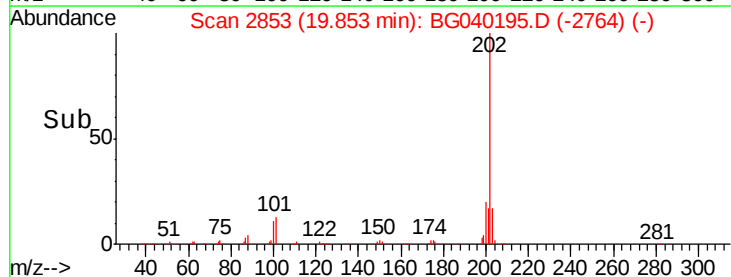
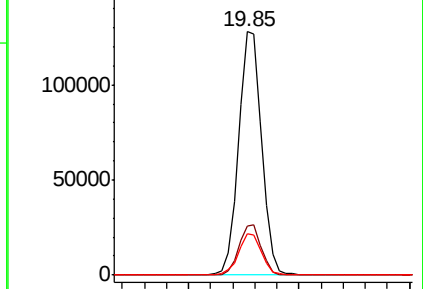
203 16.9 14.6 22.0



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: 88.954 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

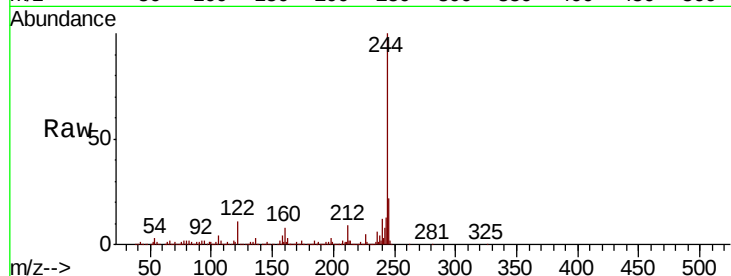
Tgt Ion:244 Resp: 1359259

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

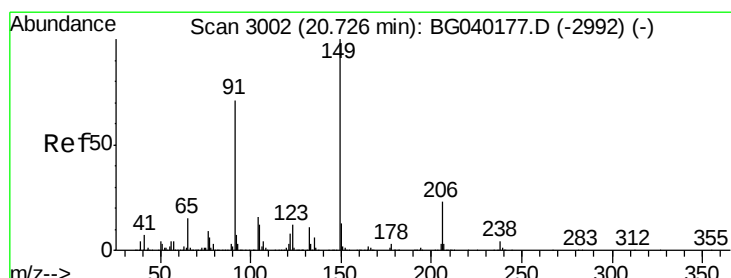
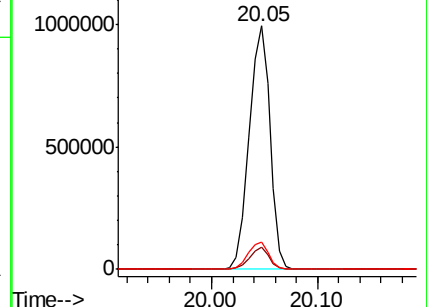
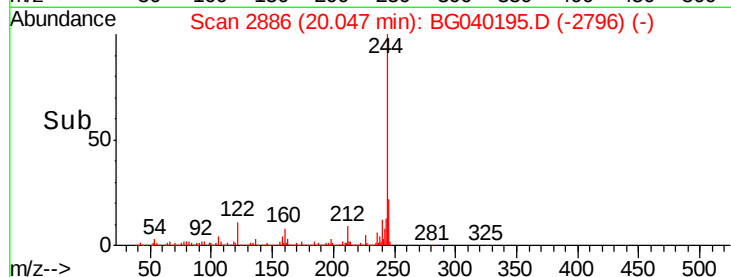
122 11.3 8.5 12.7



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: 6.839 ng

RT: 20.72 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

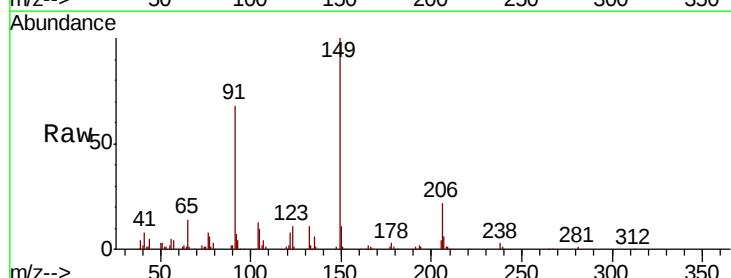
Tgt Ion:149 Resp: 66158

Ion Ratio Lower Upper

149 100

91 67.8 57.0 85.4

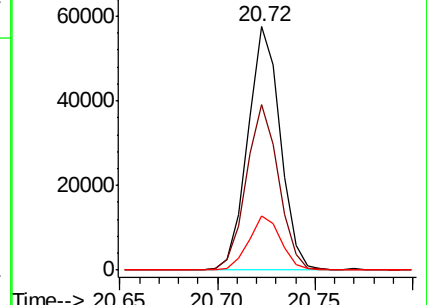
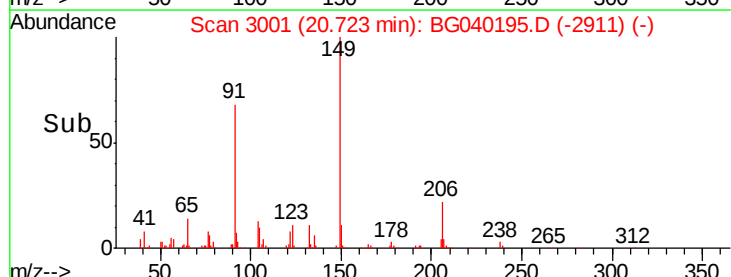
206 22.0 18.2 27.4

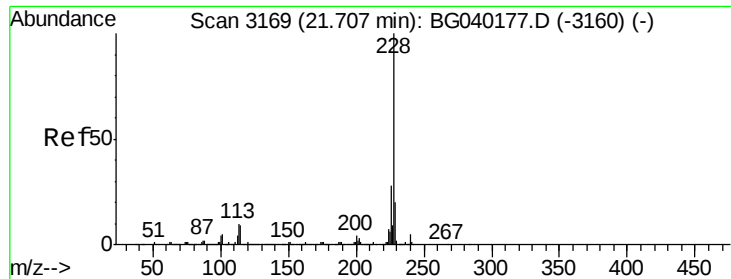


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

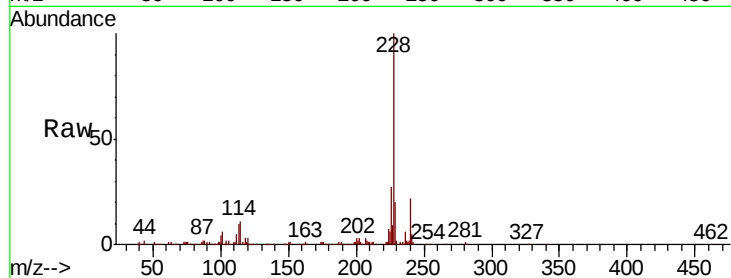




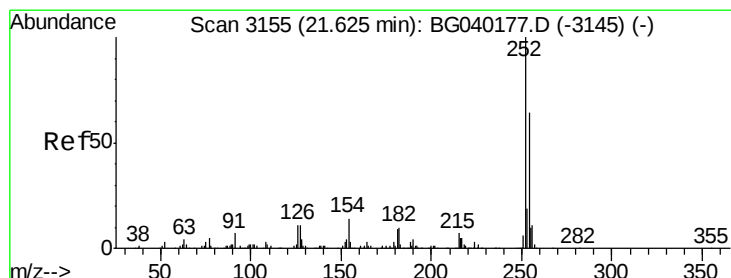
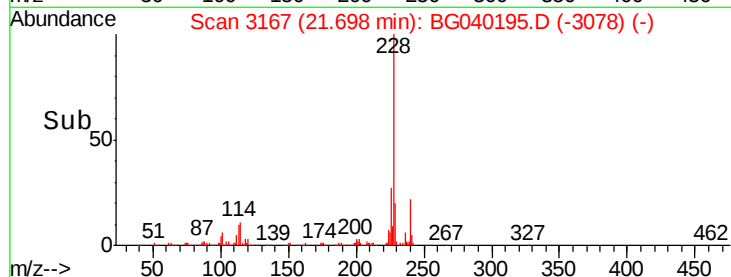
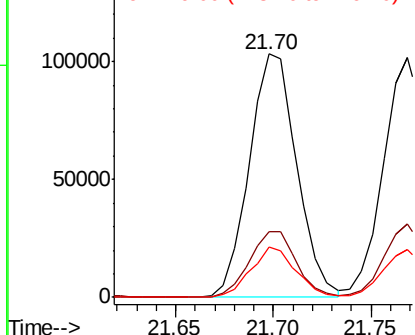
#81
Benzo(a)anthracene
Concen: 8.211 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tgt Ion:228 Resp: 173854
Ion Ratio Lower Upper
228 100
226 26.8 22.6 34.0
229 20.5 16.1 24.1

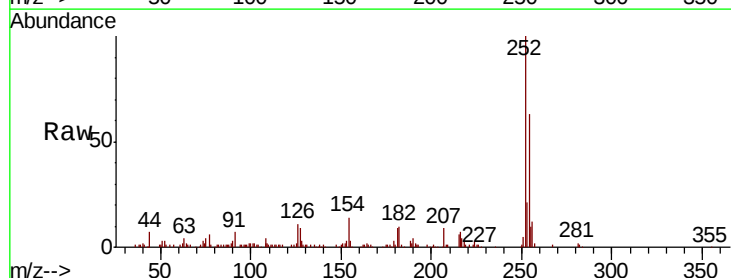


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

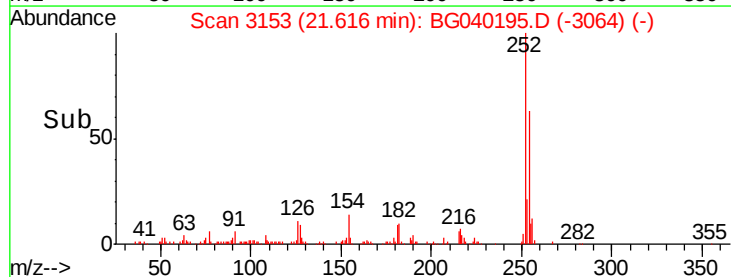
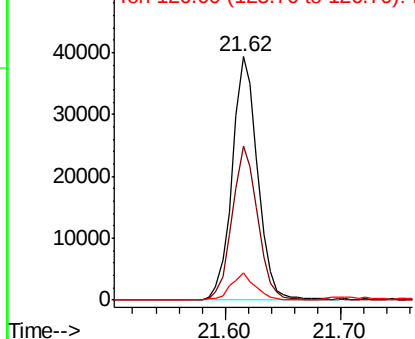


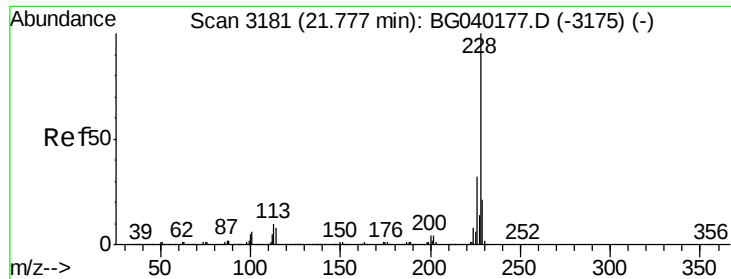
#82
3,3'-Dichlorobenzidine
Concen: 7.440 ng
RT: 21.62 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:252 Resp: 59929
Ion Ratio Lower Upper
252 100
254 63.1 51.4 77.2
126 11.2 8.5 12.7



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





#83

Chrysene

Concen: 8.359 ng

RT: 21.77 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

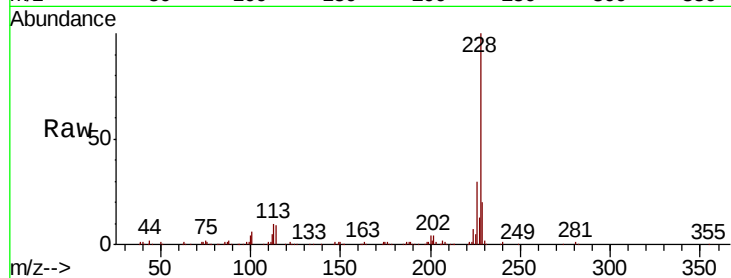
Tgt Ion:228 Resp: 170108

Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.0

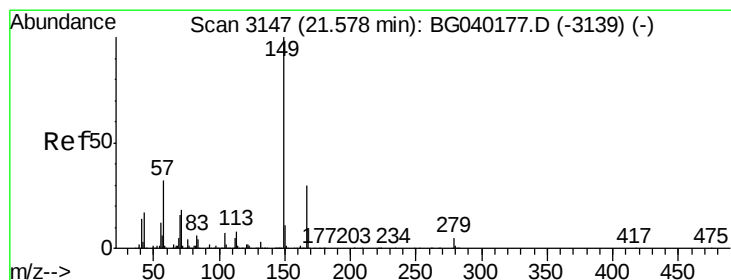
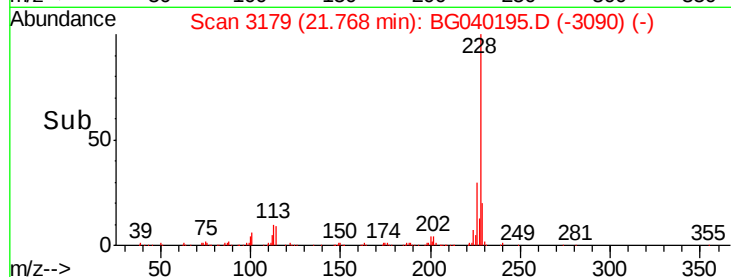
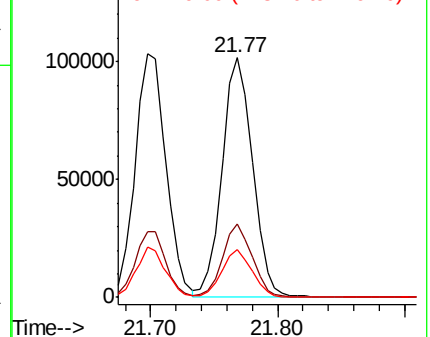
229 20.1 17.0 25.4



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: 6.860 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

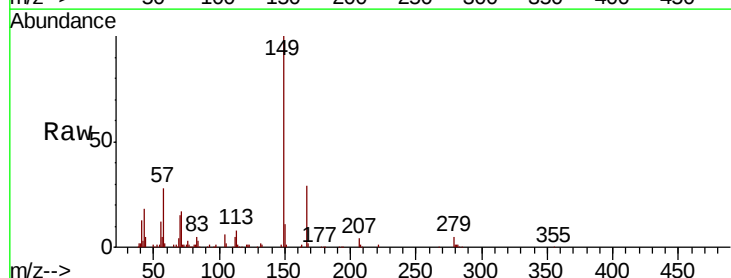
Tgt Ion:149 Resp: 94861

Ion Ratio Lower Upper

149 100

167 29.1 24.1 36.1

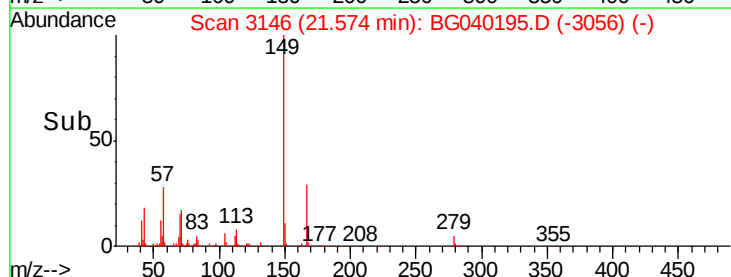
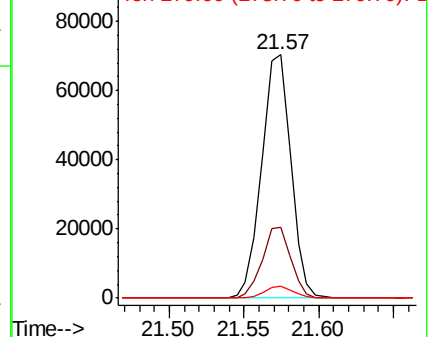
279 5.1 4.1 6.1

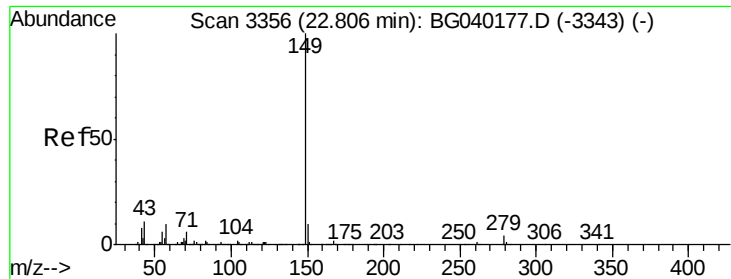


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 6.677 ng

RT: 22.80 min Scan# 3355

Delta R.T. -0.00 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

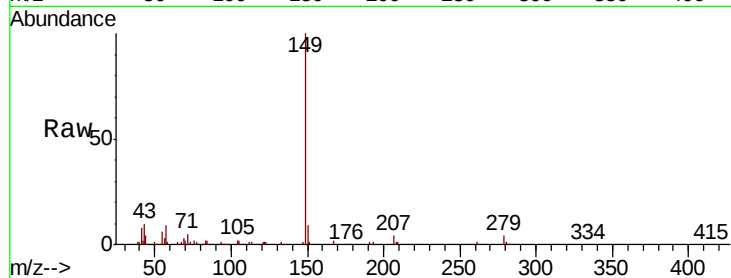
Tgt Ion:149 Resp: 157306

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

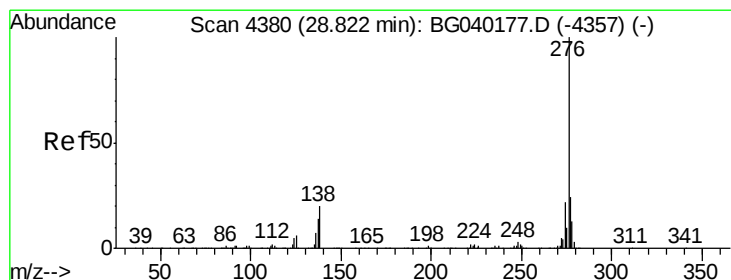
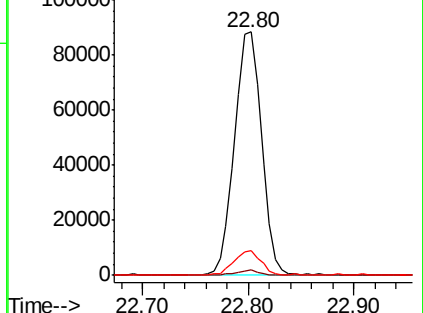
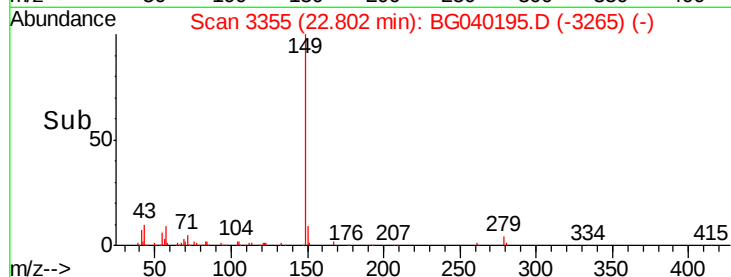
43 10.4 8.7 13.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.596 ng

RT: 28.79 min Scan# 4374

Delta R.T. -0.03 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

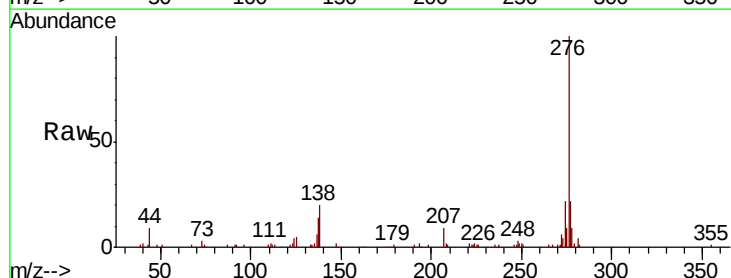
Tgt Ion:276 Resp: 189053

Ion Ratio Lower Upper

276 100

138 16.5 18.8 28.2#

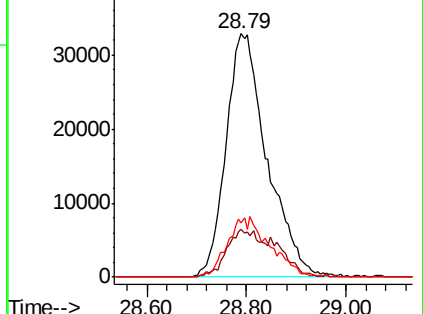
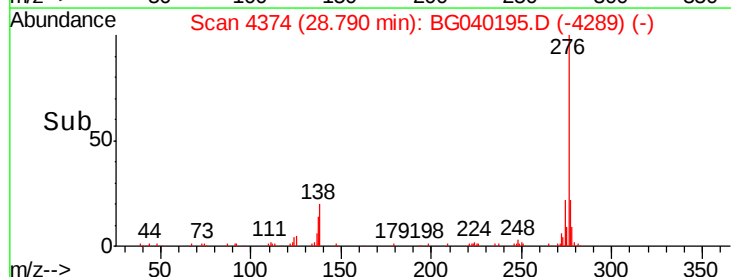
277 12.1 21.0 31.4#

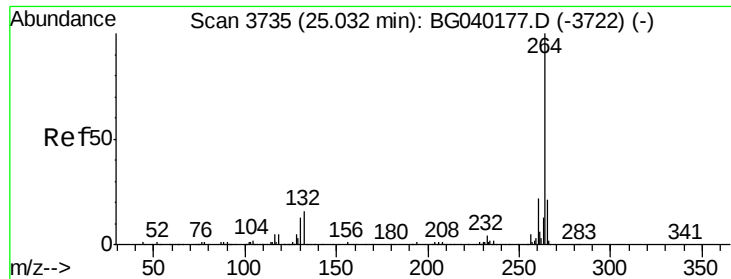


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

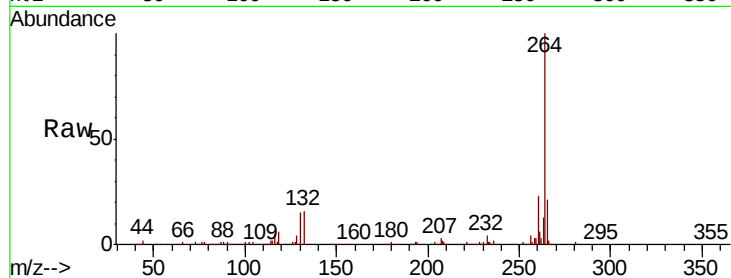
Tgt Ion:264 Resp: 347549

Ion Ratio Lower Upper

264 100

260 23.3 17.9 26.9

265 21.2 16.8 25.2

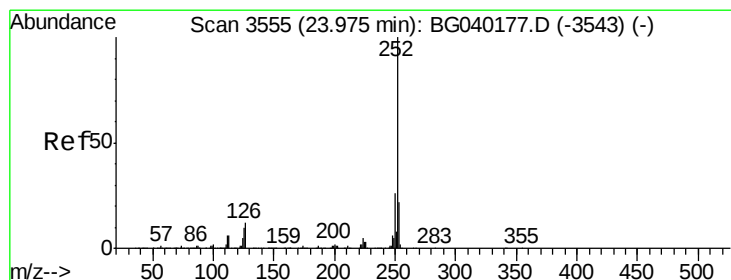
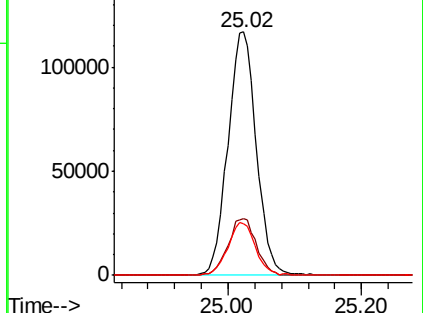
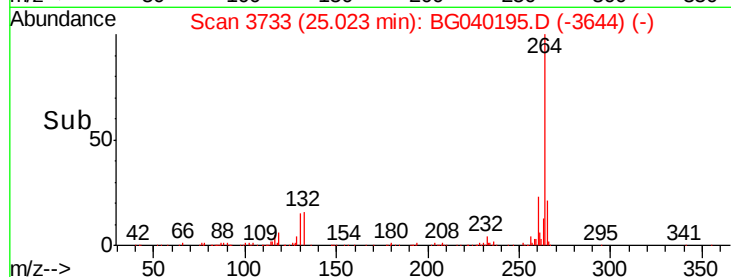


Abundance

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: 8.001 ng

RT: 23.96 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

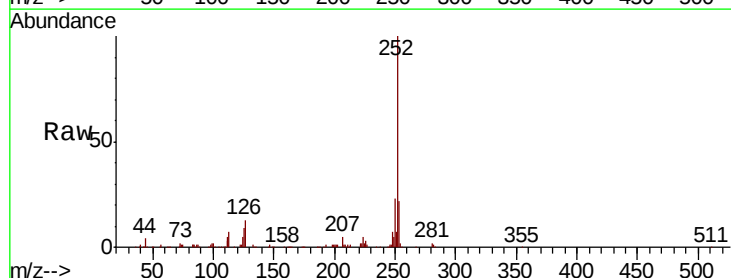
Tgt Ion:252 Resp: 170252

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 9.1 8.2 12.4

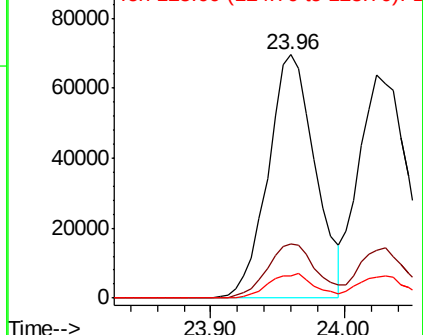
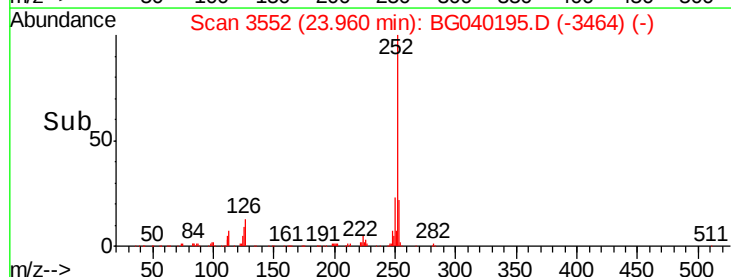


Abundance

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

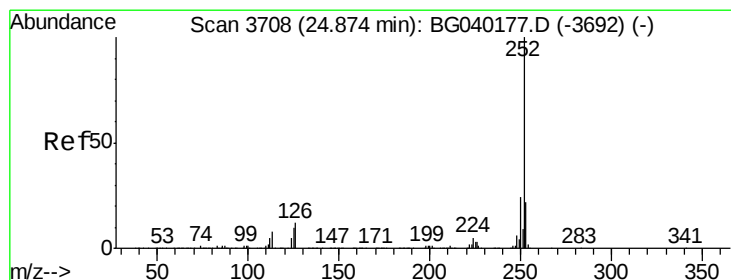
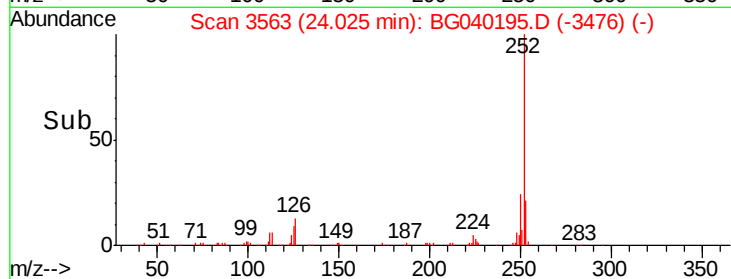
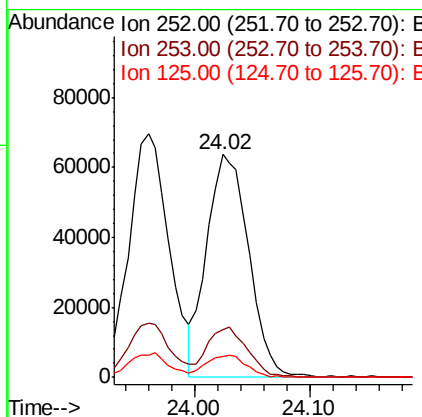
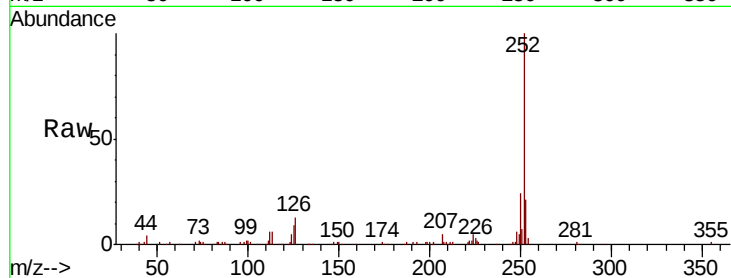




#89
Benzo(k)fluoranthene
Concen: 8.181 ng
RT: 24.02 min Scan# 3563
Delta R.T. -0.02 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

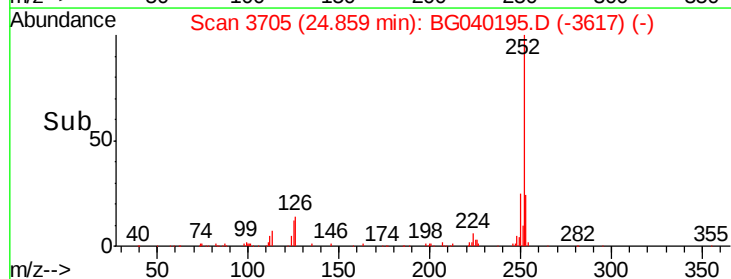
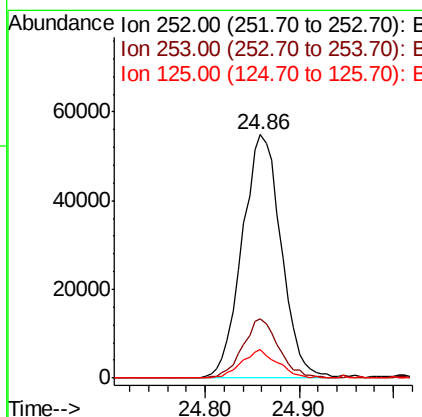
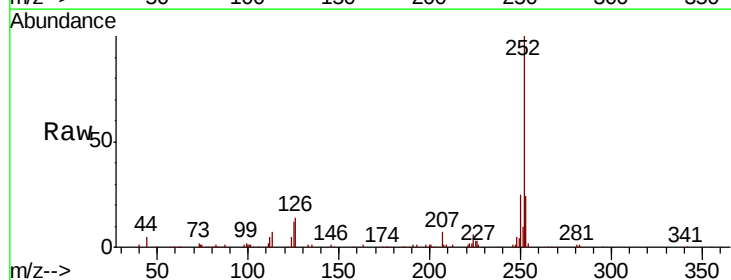
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

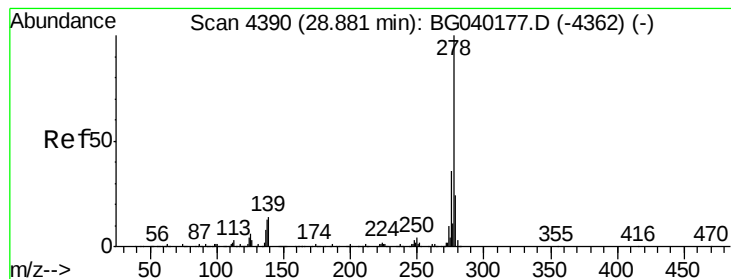
Tgt Ion:252 Resp: 160079
Ion Ratio Lower Upper
252 100
253 21.3 18.6 28.0
125 9.2 7.3 10.9



#90
Benzo(a)pyrene
Concen: 7.910 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG040195.D
Acq: 28 Mar 2019 11:42

Tgt Ion:252 Resp: 157914
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 11.6 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 7.946 ng

RT: 28.85 min Scan# 4385

Delta R.T. -0.03 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

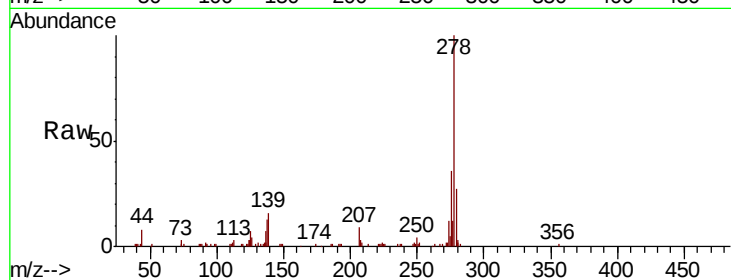
Tgt Ion:278 Resp: 147333

Ion Ratio Lower Upper

278 100

139 16.0 11.2 16.8

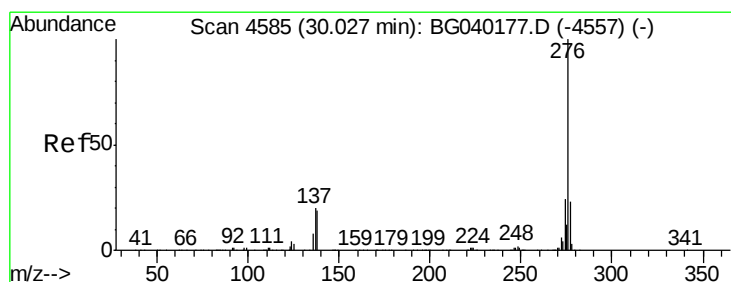
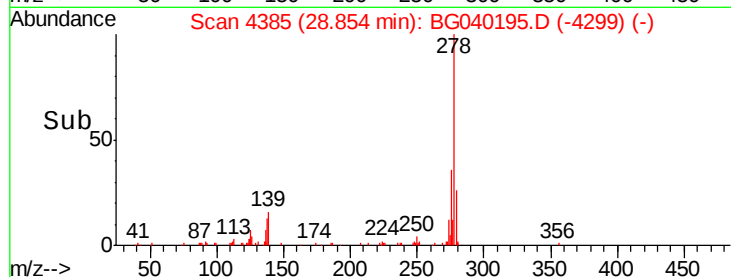
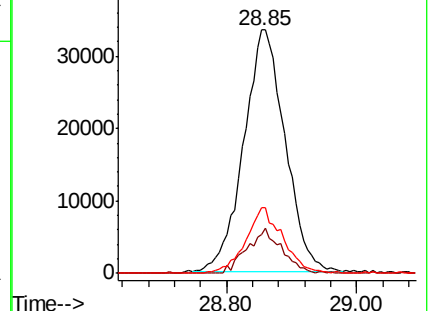
279 26.9 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.985 ng

RT: 29.99 min Scan# 4579

Delta R.T. -0.03 min

Lab File: BG040195.D

Acq: 28 Mar 2019 11:42

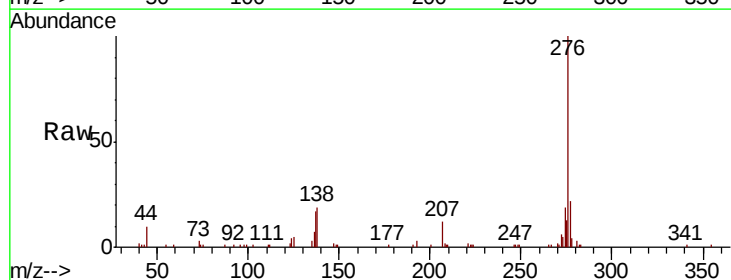
Tgt Ion:276 Resp: 152155

Ion Ratio Lower Upper

276 100

277 21.6 18.6 28.0

138 18.6 15.2 22.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

