

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073019\
 Data File : BG041804.D
 Acq On : 30 Jul 2019 16:37
 Operator : HP/JU
 Sample : K3591-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Quant Time: Jul 31 01:18:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 07:53:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	86142	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	377053	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	281127	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	645444	20.00	ng	0.00
76) Chrysene-d12	21.73	240	656890	20.00	ng	0.00
87) Perylene-d12	25.01	264	749823	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	447012	100.96	ng	0.00
7) Phenol-d6	7.19	99	611666	102.47	ng	0.00
23) Nitrobenzene-d5	9.21	82	469322	85.66	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	344936	108.02	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1305290	81.89	ng	0.00
79) Terphenyl-d14	20.06	244	2135330	74.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	16915	8.117	ng	95
3) Pyridine	3.88	79	35520	6.216	ng	90
4) n-Nitrosodimethylamine	3.79	42	16554	7.307	ng	# 89
6) Aniline	7.36	93	63916	7.605	ng	93
8) 2-Chlorophenol	7.60	128	41137	8.114	ng	94
9) Benzaldehyde	7.17	77	37323	8.886	ng	95
10) Phenol	7.21	94	49737	8.009	ng	95
11) bis(2-Chloroethyl)ether	7.46	93	38648	7.571	ng	98
12) 1,3-Dichlorobenzene	7.94	146	51089	7.721	ng	97
13) 1,4-Dichlorobenzene	8.08	146	51320	7.751	ng	95
14) 1,2-Dichlorobenzene	8.40	146	49353	7.812	ng	95
15) Benzyl Alcohol	8.28	79	36056	7.678	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.58	45	69211	7.620	ng	98
17) 2-Methylphenol	8.48	107	36068	7.986	ng	97
18) Hexachloroethane	9.14	117	17651	7.785	ng	96
19) n-Nitroso-di-n-propylamine	8.85	70	34423	7.943	ng	93
20) 3+4-Methylphenols	8.81	107	47697	7.718	ng	95
22) Acetophenone	8.87	105	66238	7.854	ng	# 90
24) Nitrobenzene	9.25	77	48492	8.401	ng	97
25) Isophorone	9.78	82	93988	7.886	ng	98
26) 2-Nitrophenol	9.97	139	21203	7.915	ng	99
27) 2,4-Dimethylphenol	10.03	122	41021	8.676	ng	96
28) bis(2-Chloroethoxy)methane	10.26	93	56284	7.557	ng	98
29) 2,4-Dichlorophenol	10.51	162	43430	7.543	ng	96
30) 1,2,4-Trichlorobenzene	10.73	180	55815	7.644	ng	98
31) Naphthalene	10.92	128	140539	8.144	ng	98
32) Benzoic acid	10.11	122	7563	10.560	ng	95
33) 4-Chloroaniline	11.02	127	60772	7.426	ng	96
34) Hexachlorobutadiene	11.22	225	35666	7.237	ng	94
35) Caprolactam	11.76	113	15932	7.962	ng	# 73
36) 4-Chloro-3-methylphenol	12.14	107	47054	8.243	ng	93
37) 2-Methylnaphthalene	12.53	142	112237	8.217	ng	99
38) 1-Methylnaphthalene	12.74	142	106549	8.231	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.90	216	70422	7.914	ng	# 98

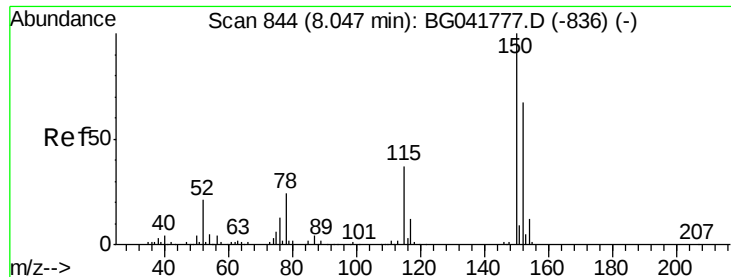
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073019\
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 QLast Update : Tue Jul 30 07:53:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	34831	6.962	ng	100
43) 2,4,6-Trichlorophenol	13.13	196	41472	7.374	ng	95
44) 2,4,5-Trichlorophenol	13.20	196	46026	7.875	ng	91
46) 1,1'-Biphenyl	13.53	154	145632	8.059	ng	96
47) 2-Chloronaphthalene	13.58	162	117712	7.651	ng	95
48) 2-Nitroaniline	13.77	65	29620	7.590	ng	94
49) Acenaphthylene	14.42	152	193984	8.429	ng	# 93
50) Dimethylphthalate	14.15	163	158063	8.233	ng	97
51) 2,6-Dinitrotoluene	14.26	165	33428	8.326	ng	92
52) Acenaphthene	14.76	154	115641	7.725	ng	97
53) 3-Nitroaniline	14.59	138	31817	7.408	ng	# 90
54) 2,4-Dinitrophenol	14.79	184	7898	7.709	ng	# 76
55) Dibenzofuran	15.10	168	199257	8.703	ng	90
56) 4-Nitrophenol	14.89	139	21995	6.746	ng	92
57) 2,4-Dinitrotoluene	15.05	165	45537	8.248	ng	95
58) Fluorene	15.75	166	156645	8.525	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.32	232	44742	7.729	ng	# 94
60) Diethylphthalate	15.52	149	159682	8.471	ng	97
61) 4-Chlorophenyl-phenylether	15.74	204	91316	8.141	ng	92
62) 4-Nitroaniline	15.75	138	38140	8.198	ng	90
63) Azobenzene	16.03	77	127199	8.261	ng	96
65) 4,6-Dinitro-2-methylphenol	15.82	198	18450	11.859	ng	95
66) n-Nitrosodiphenylamine	15.95	169	146336	8.323	ng	95
67) 4-Bromophenyl-phenylether	16.64	248	60000	7.547	ng	98
68) Hexachlorobenzene	16.76	284	62493	7.513	ng	# 91
69) Atrazine	16.90	200	55343	8.012	ng	97
70) Pentachlorophenol	17.10	266	26530	5.615	ng	97
71) Phenanthrene	17.49	178	274922	8.886	ng	# 92
72) Anthracene	17.49	178	274922	8.910	ng	92
73) Carbazole	17.85	167	241972	8.737	ng	# 92
74) Di-n-butylphthalate	18.42	149	272234	8.671	ng	# 92
75) Fluoranthene	19.50	202	347130	9.231	ng	88
77) Benzidine	19.68	184	144939	6.760	ng	97
78) Pyrene	19.86	202	359156	9.228	ng	# 88
80) Butylbenzylphthalate	20.75	149	114252	7.657	ng	91
81) Benzo(a)anthracene	21.71	228	338180	8.702	ng	89
82) 3,3'-Dichlorobenzidine	21.63	252	129727	8.314	ng	93
83) Chrysene	21.78	228	321901	8.641	ng	# 88
84) Bis(2-ethylhexyl)phthalate	21.63	149	166245	8.077	ng	92
85) Di-n-octyl phthalate	22.87	149	281419	8.124	ng	# 90
86) Indeno(1,2,3-cd)pyrene	28.74	276	371943	7.542	ng	# 87
88) Benzo(b)fluoranthene	23.97	252	342155	8.341	ng	# 95
89) Benzo(k)fluoranthene	24.03	252	333381	8.344	ng	# 92
90) Benzo(a)pyrene	24.85	252	330494	8.401	ng	# 93
91) Dibenzo(a,h)anthracene	28.81	278	314203	8.134	ng	# 96
92) Benzo(g,h,i)perylene	29.90	276	302296	7.833	ng	# 95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

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MDL-MDL-SOIL-03-QT3-2019

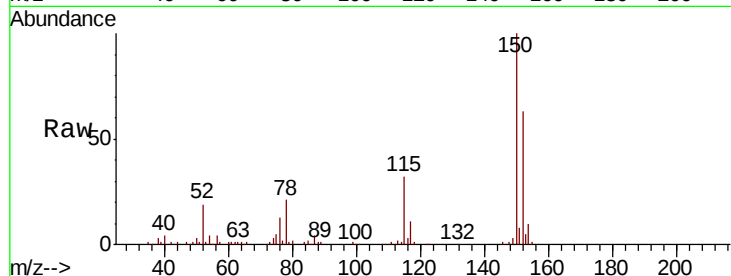
Tgt Ion:152 Resp: 86142

Ion Ratio Lower Upper

152 100

150 158.6 126.9 190.3

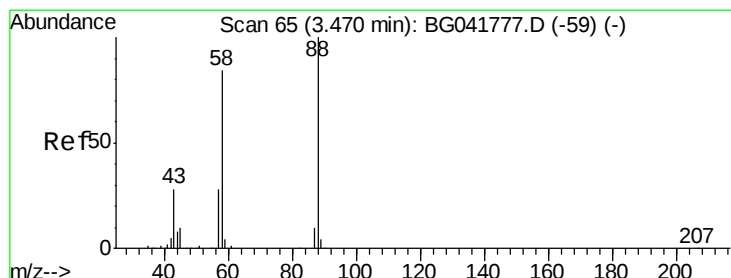
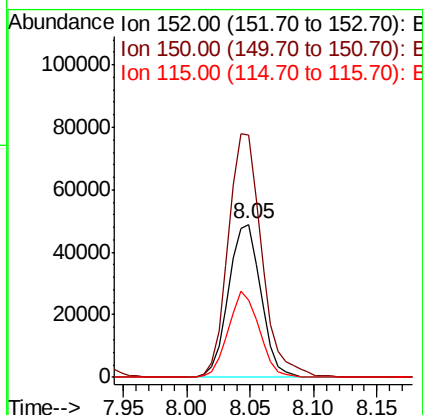
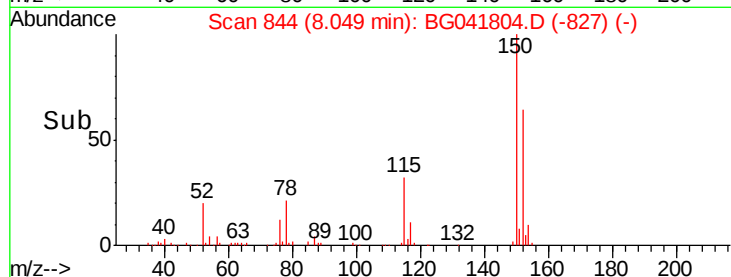
115 50.4 45.0 67.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 8.117 ng

RT: 3.47 min Scan# 65

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

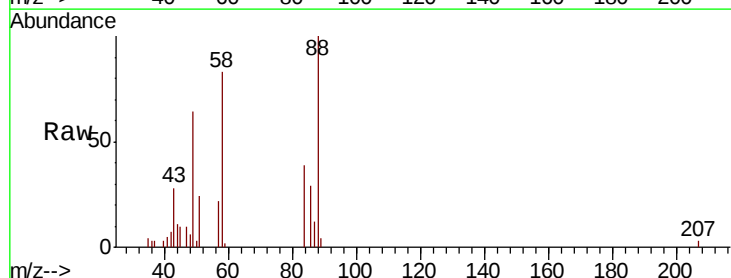
Tgt Ion: 88 Resp: 16915

Ion Ratio Lower Upper

88 100

58 89.2 76.2 114.2

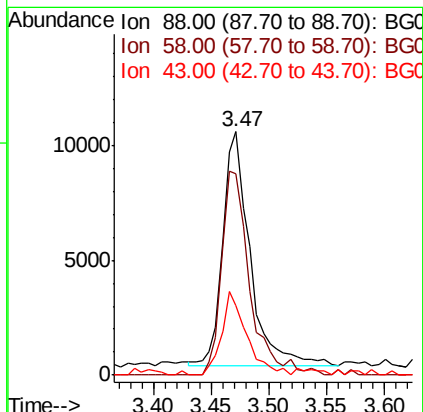
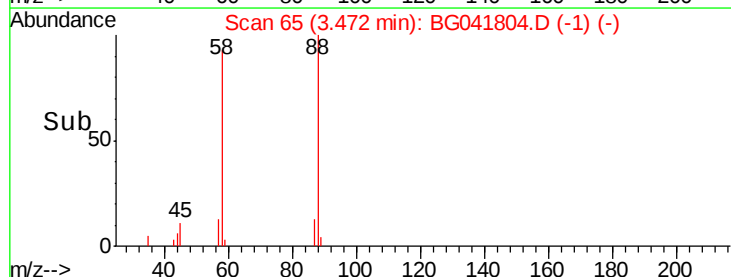
43 32.4 27.2 40.8

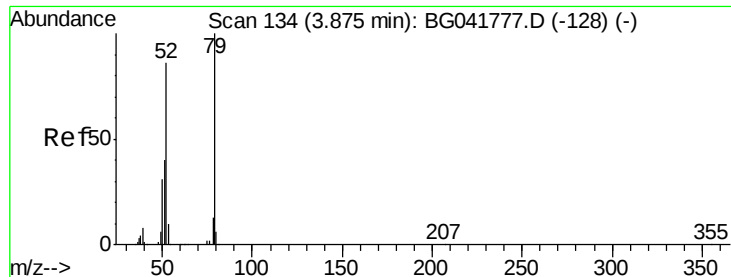


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 6.216 ng

RT: 3.88 min Scan# 134

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

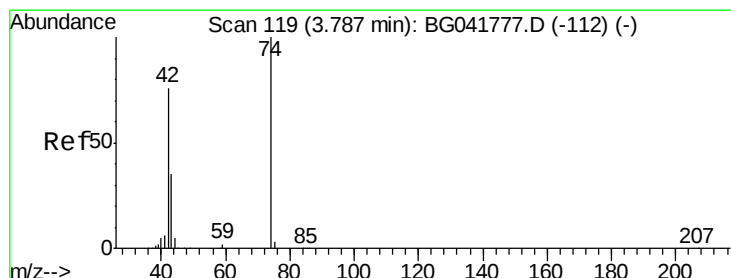
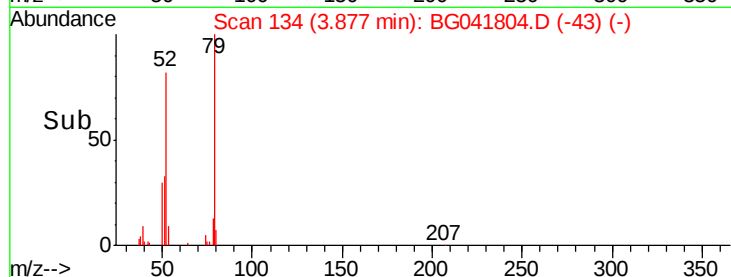
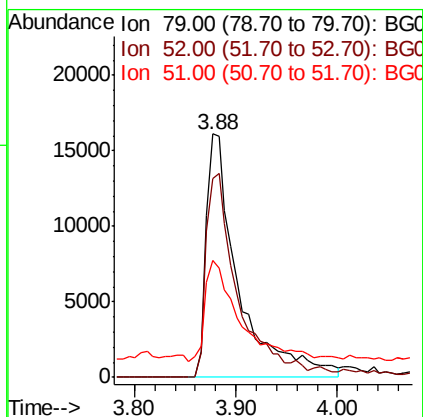
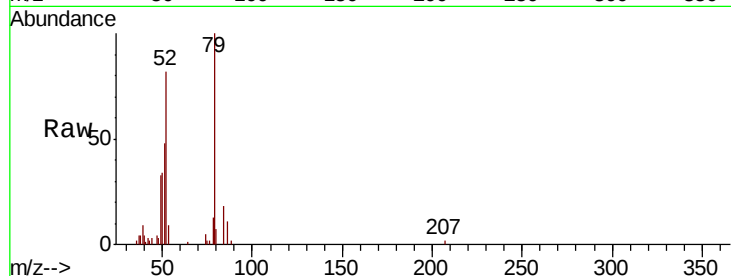
Tgt Ion: 79 Resp: 35520

Ion Ratio Lower Upper

79 100

52 81.7 77.1 115.7

51 47.8 37.8 56.8



#4

n-Nitrosodimethylamine

Concen: 7.307 ng

RT: 3.79 min Scan# 119

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

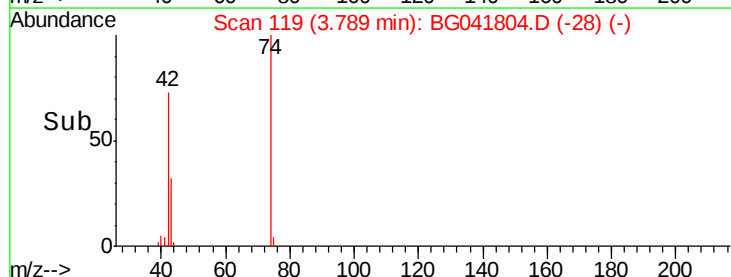
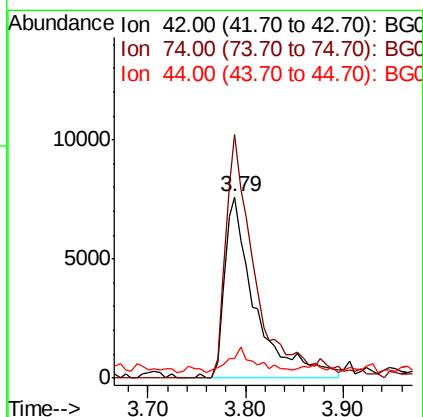
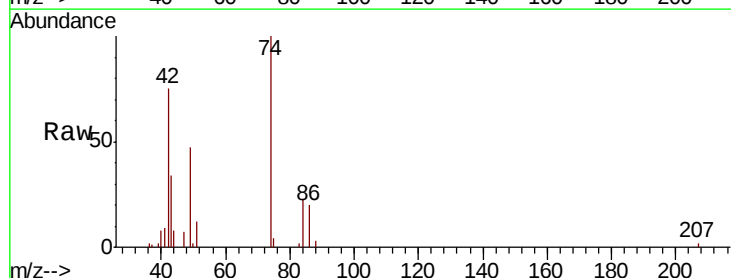
Tgt Ion: 42 Resp: 16554

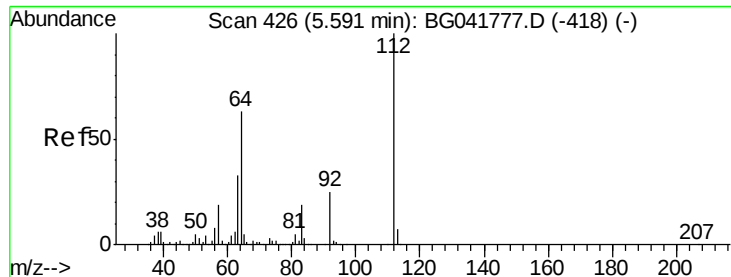
Ion Ratio Lower Upper

42 100

74 134.1 97.4 146.2

44 10.9 6.6 9.8#





#5

2-Fluorophenol

Concen: 100.963 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

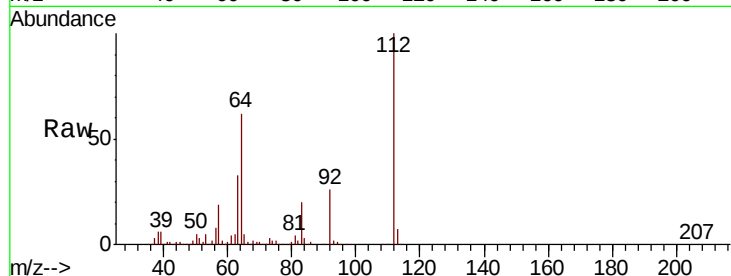
Tgt Ion: 112 Resp: 447012

Ion Ratio Lower Upper

112 100

64 62.2 55.4 83.2

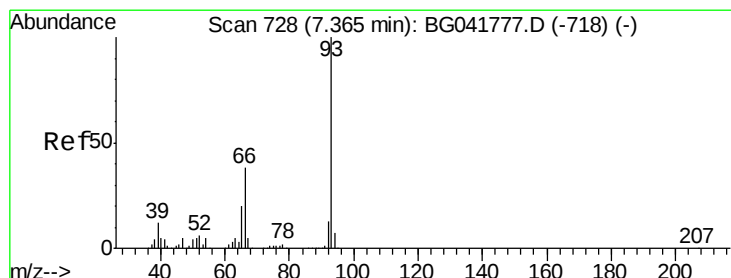
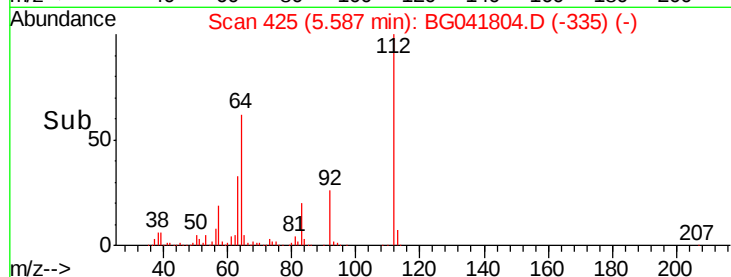
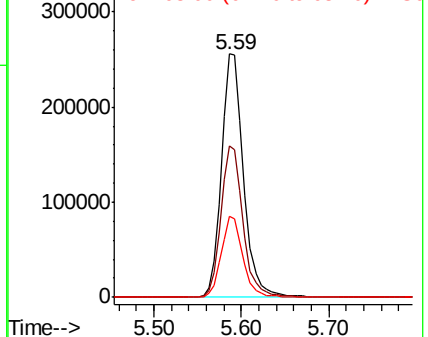
63 33.5 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 7.605 ng

RT: 7.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

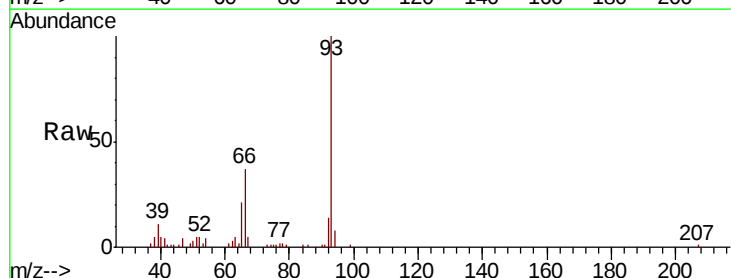
Tgt Ion: 93 Resp: 63916

Ion Ratio Lower Upper

93 100

66 36.8 34.2 51.2

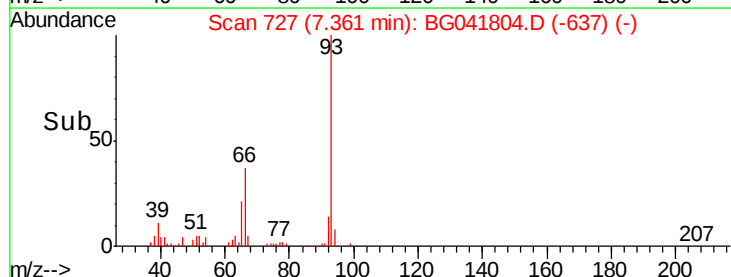
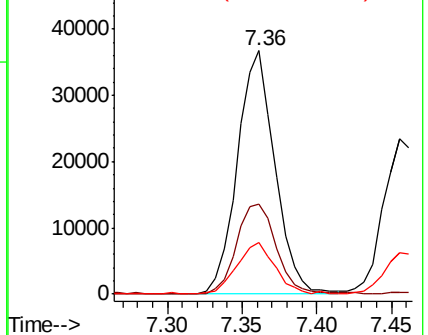
65 21.1 18.2 27.2

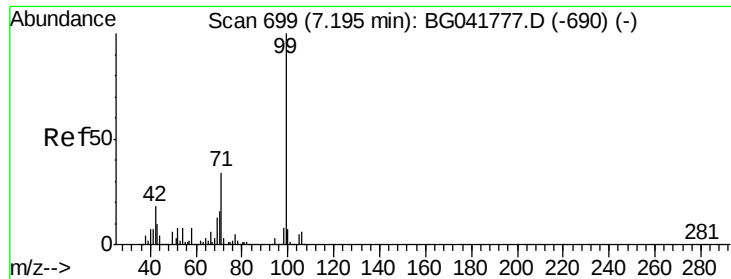


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 102.474 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

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ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

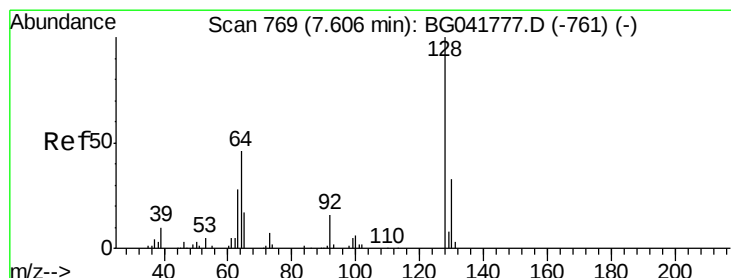
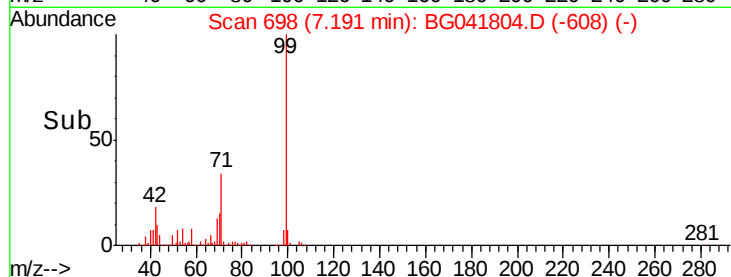
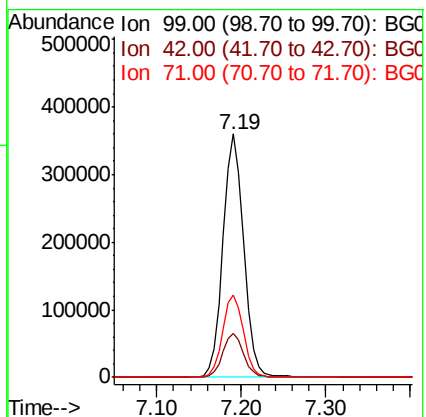
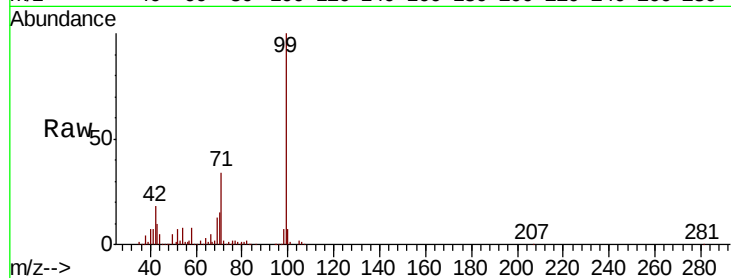
Tgt Ion: 99 Resp: 611666

Ion Ratio Lower Upper

99 100

42 18.0 17.6 26.4

71 33.9 27.8 41.6



#8

2-Chlorophenol

Concen: 8.114 ng

RT: 7.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

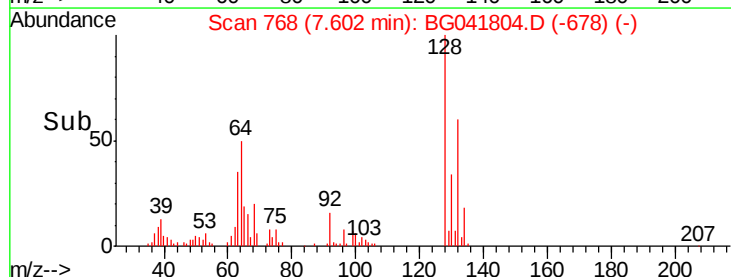
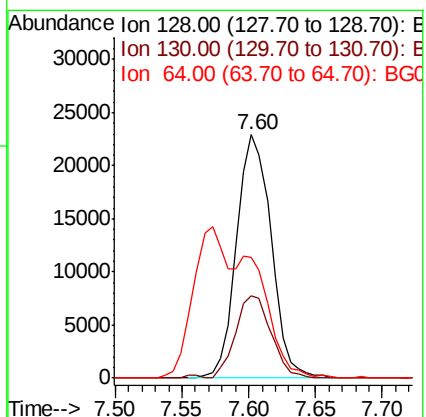
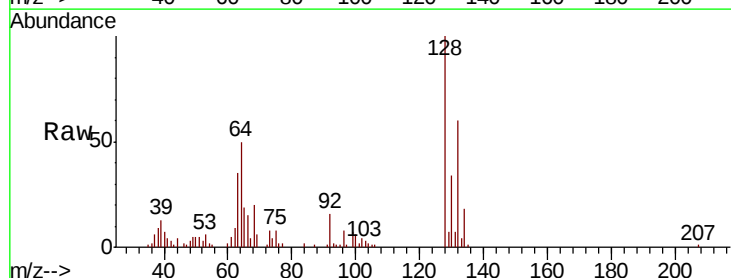
Tgt Ion: 128 Resp: 41137

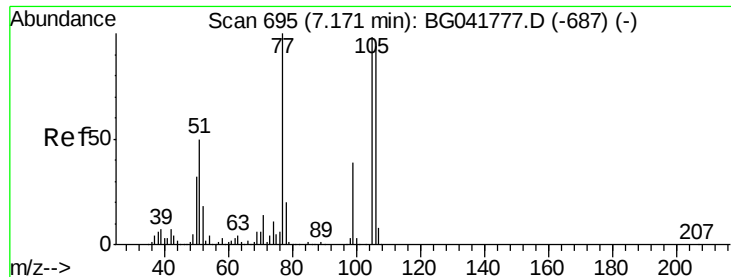
Ion Ratio Lower Upper

128 100

130 33.8 12.4 52.4

64 49.5 34.9 74.9





#9

Benzaldehyde

Concen: 8.886 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

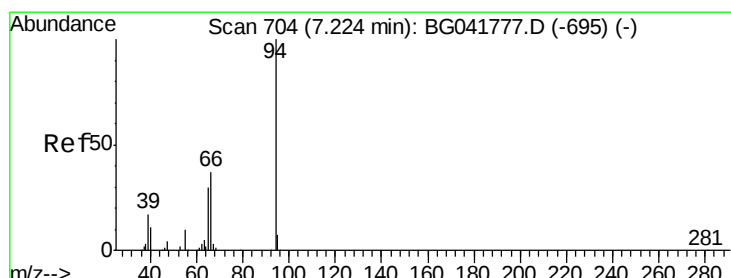
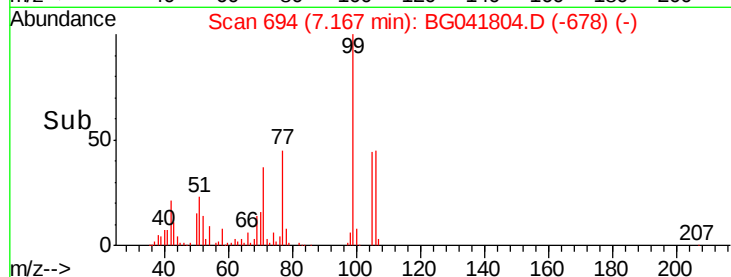
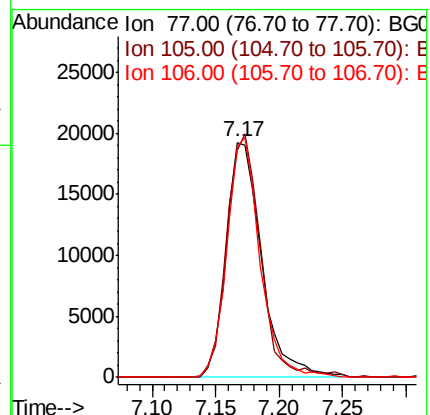
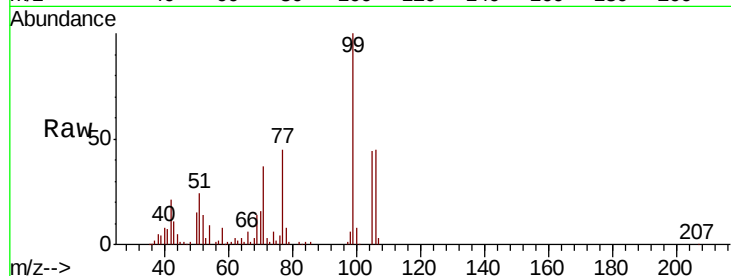
Tgt Ion: 77 Resp: 37323

Ion Ratio Lower Upper

77 100

105 96.7 74.6 114.6

106 98.1 71.1 111.1



#10

Phenol

Concen: 8.009 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

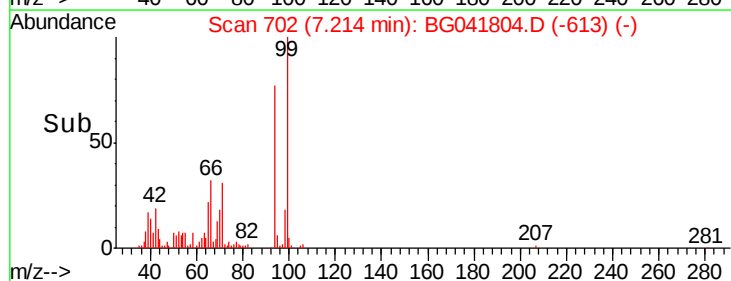
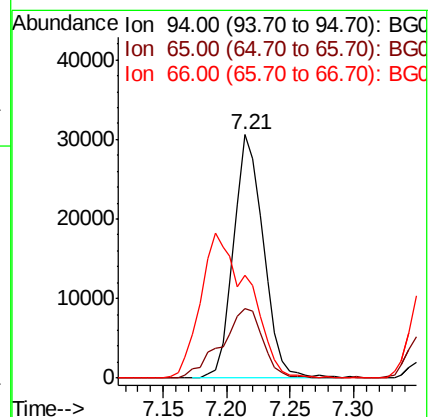
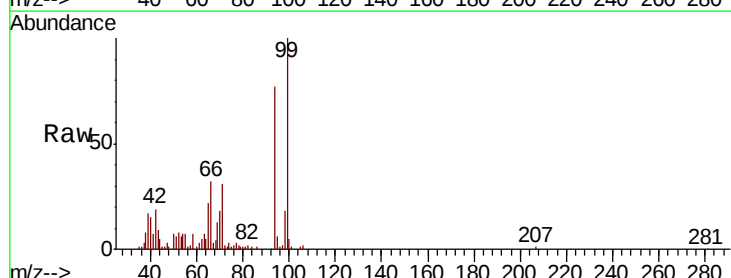
Tgt Ion: 94 Resp: 49737

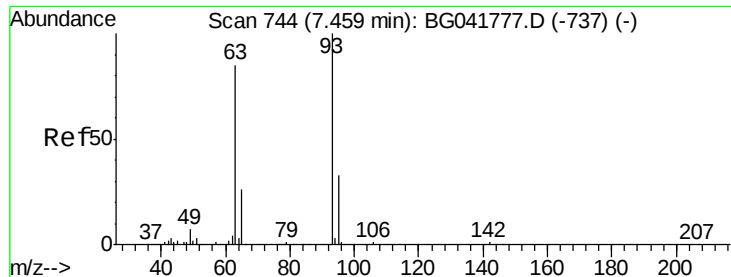
Ion Ratio Lower Upper

94 100

65 28.7 10.6 50.6

66 42.0 18.2 58.2

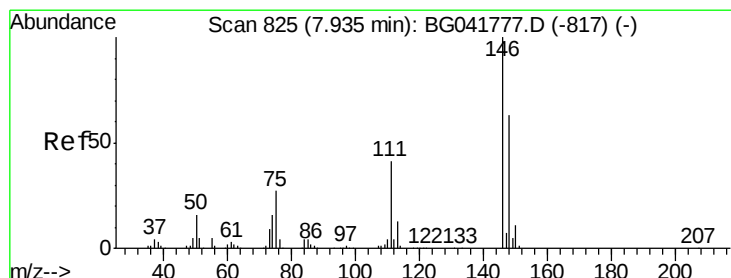
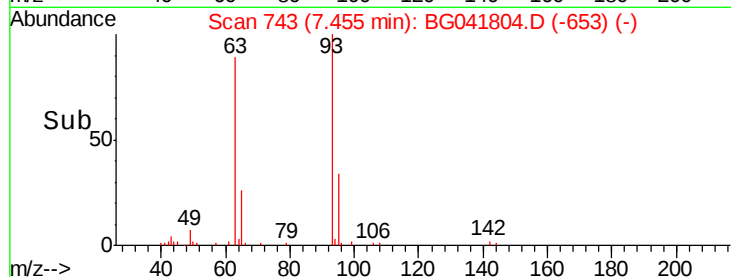
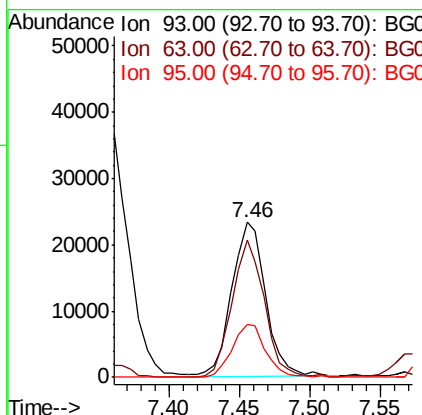
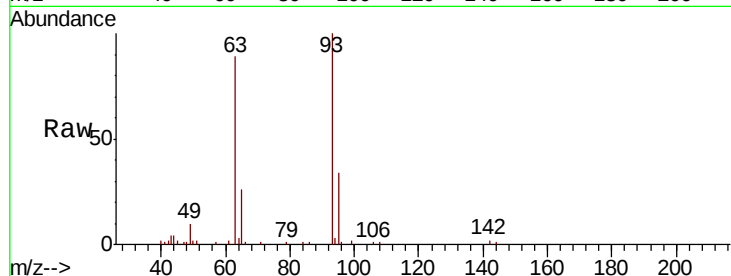




#11
 bis(2-Chloroethyl)ether
 Concen: 7.571 ng
 RT: 7.46 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

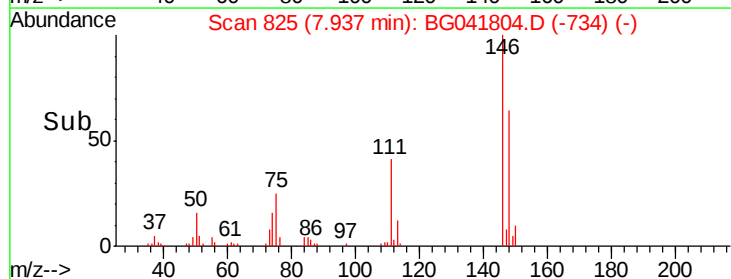
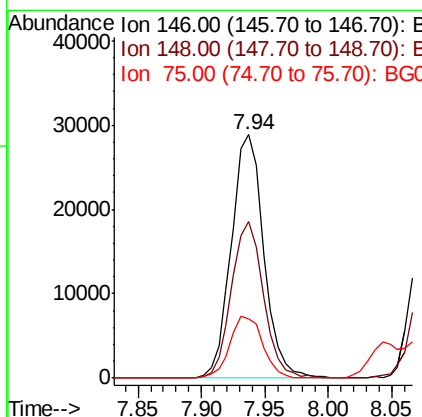
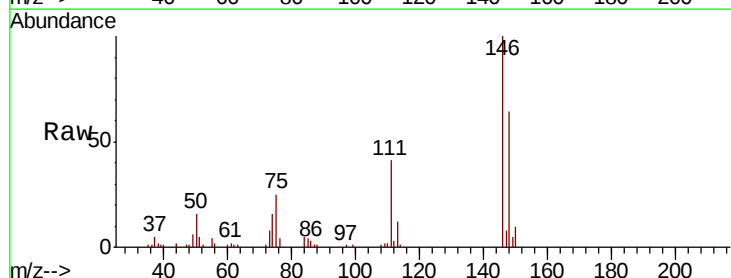
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

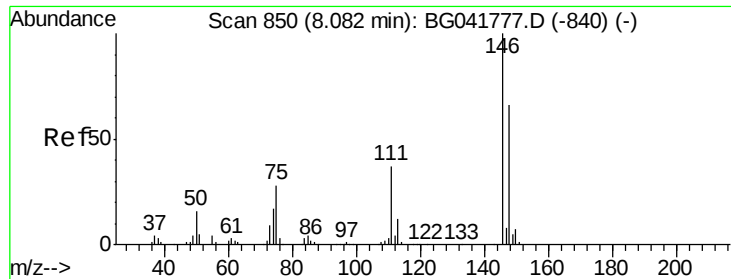
Tgt Ion: 93 Resp: 38648
 Ion Ratio Lower Upper
 93 100
 63 88.7 70.4 110.4
 95 34.1 12.8 52.8



#12
 1,3-Dichlorobenzene
 Concen: 7.721 ng
 RT: 7.94 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion: 146 Resp: 51089
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.5 77.3
 75 24.6 23.2 34.8

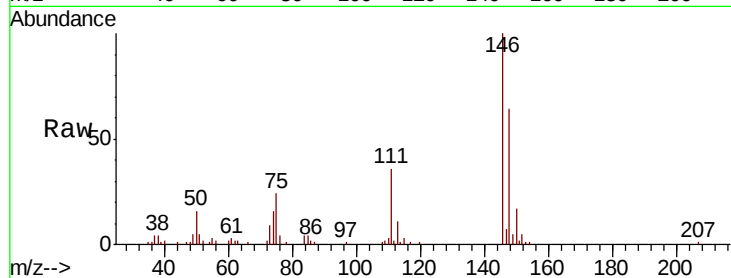




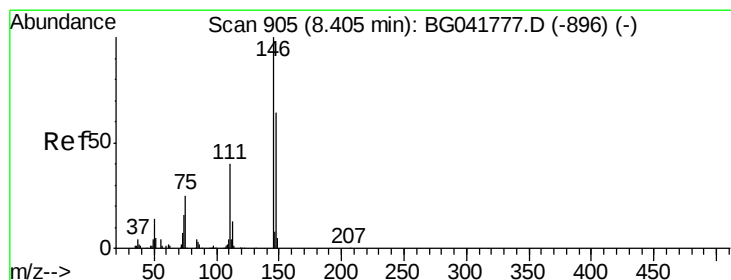
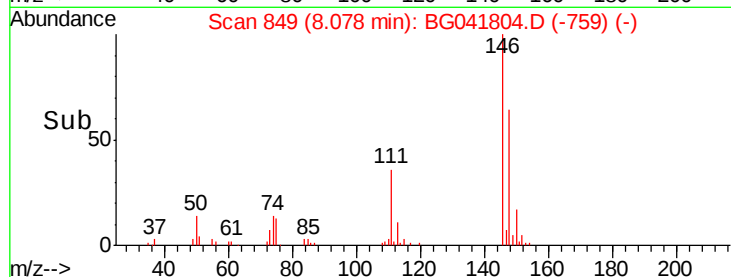
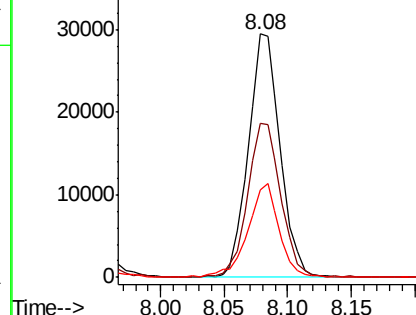
#13
 1,4-Dichlorobenzene
 Concen: 7.751 ng
 RT: 8.08 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:146 Resp: 51320
 Ion Ratio Lower Upper
 146 100
 148 63.5 52.6 79.0
 111 36.2 32.5 48.7

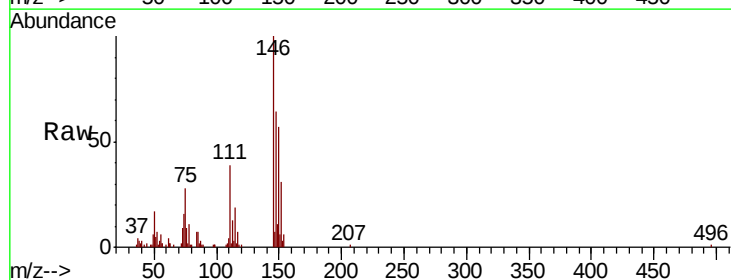


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

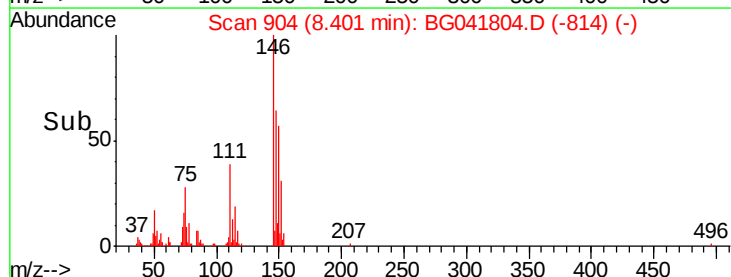
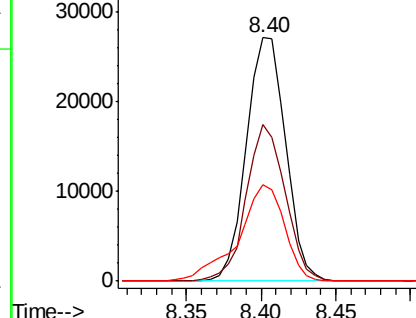


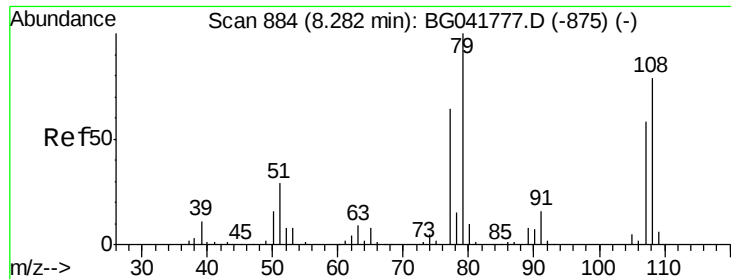
#14
 1,2-Dichlorobenzene
 Concen: 7.812 ng
 RT: 8.40 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion:146 Resp: 49353
 Ion Ratio Lower Upper
 146 100
 148 64.4 53.5 80.3
 111 39.4 35.4 53.0



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: 7.678 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

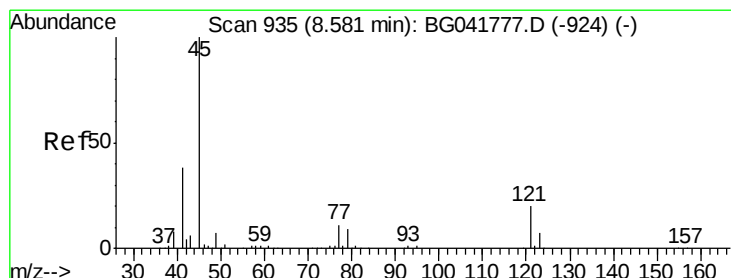
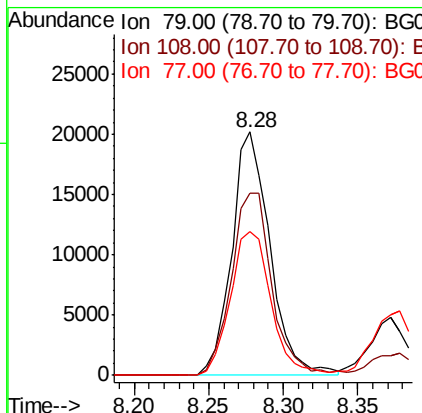
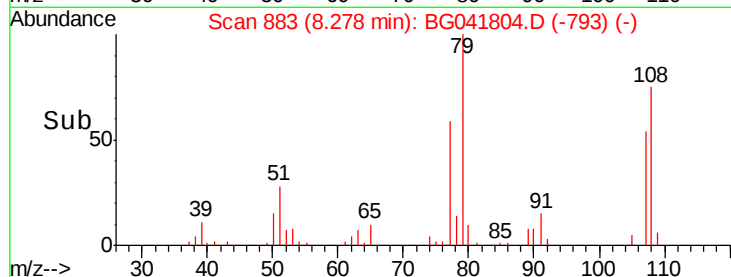
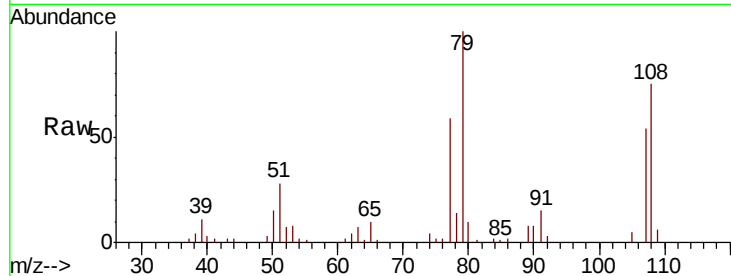
Tgt Ion: 79 Resp: 36056

Ion Ratio Lower Upper

79 100

108 74.6 60.5 90.7

77 58.9 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.620 ng

RT: 8.58 min Scan# 935

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

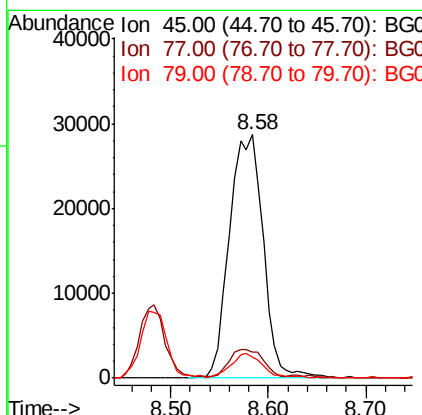
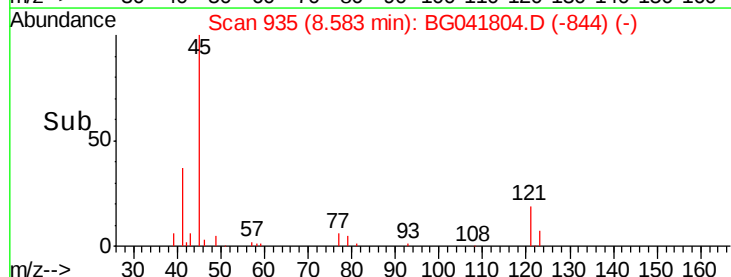
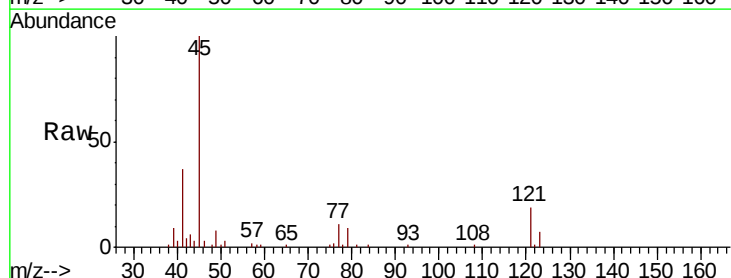
Tgt Ion: 45 Resp: 69211

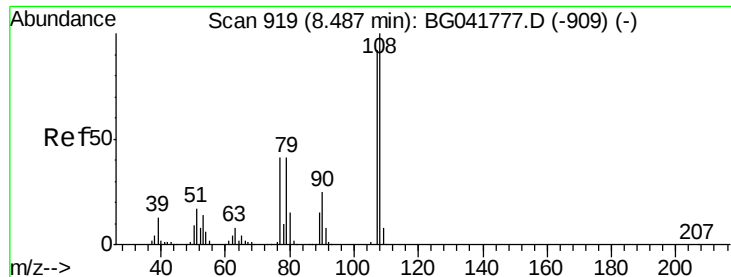
Ion Ratio Lower Upper

45 100

77 10.9 0.0 30.4

79 8.7 0.0 27.9

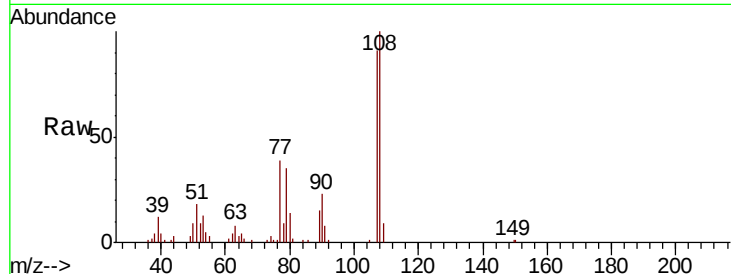




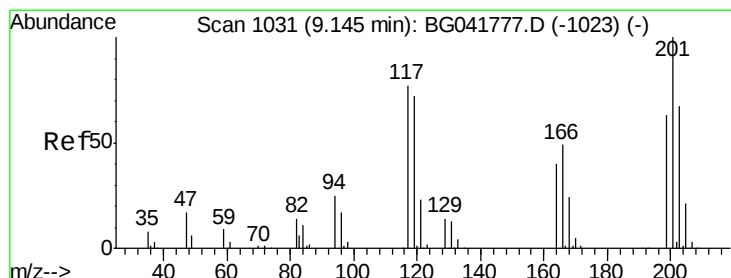
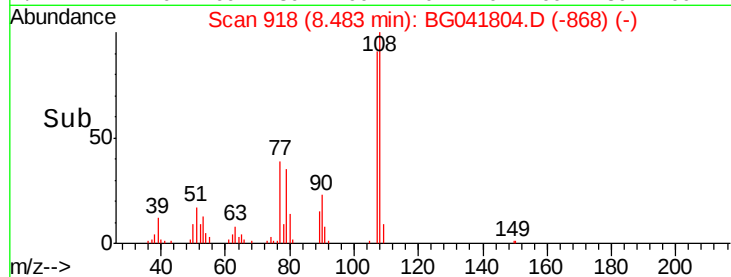
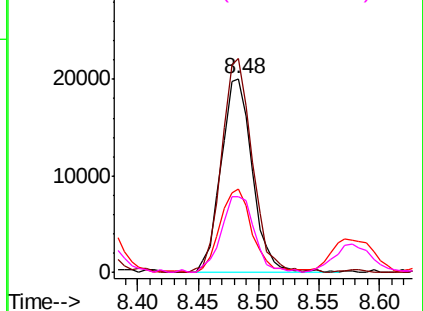
#17
2-Methylphenol
Concen: 7.986 ng
RT: 8.48 min Scan# 918
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:	107	Resp:	36068
Ion	Ratio	Lower	Upper
107	100		
108	110.4	87.6	131.4
77	43.3	36.1	54.1
79	38.8	36.4	54.6

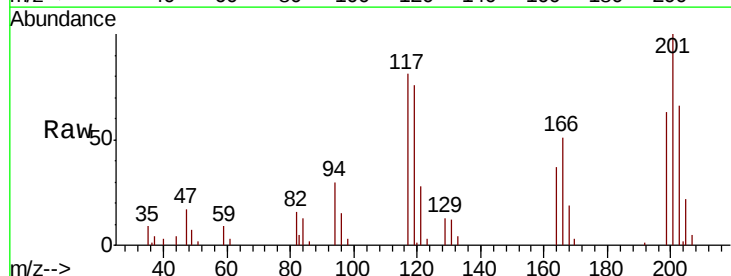


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

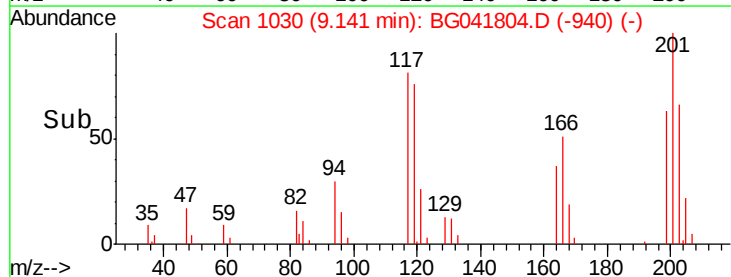
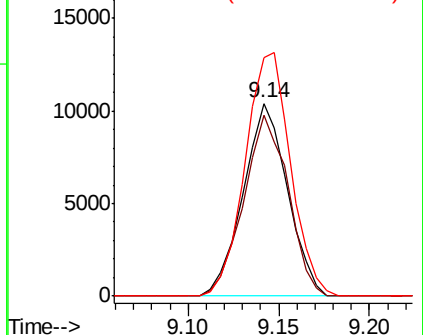


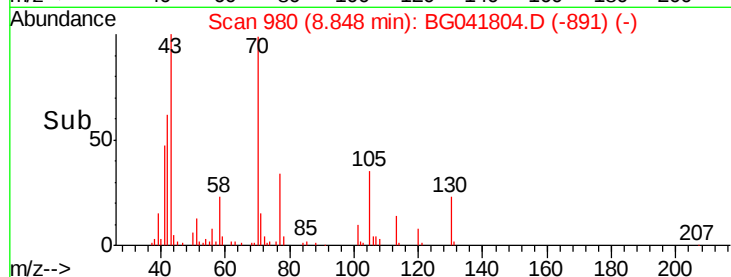
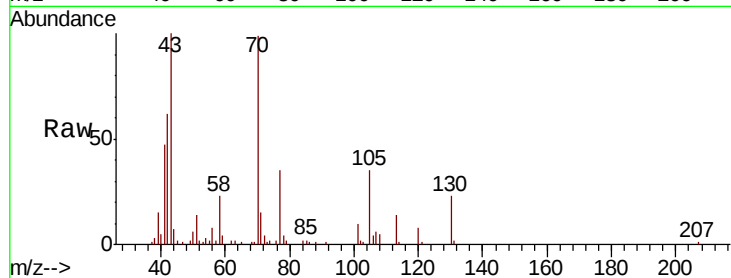
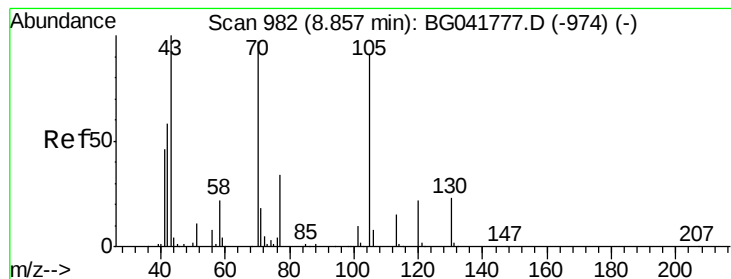
#18
Hexachloroethane
Concen: 7.785 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:	117	Resp:	17651
Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.2	114.2
201	124.1	94.1	141.1



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: 7.943 ng

RT: 8.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tgt Ion: 70 Resp: 34423

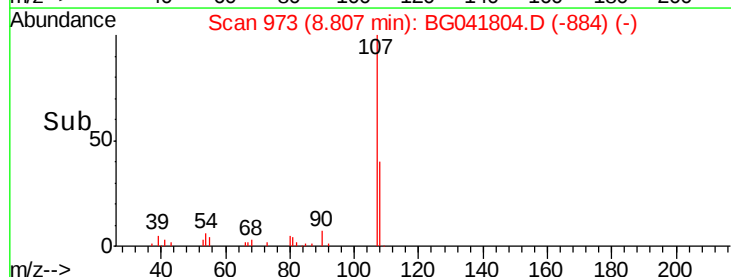
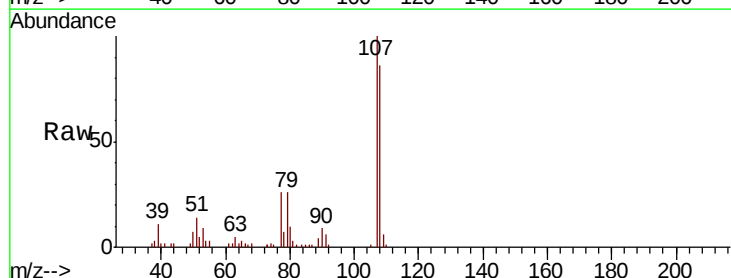
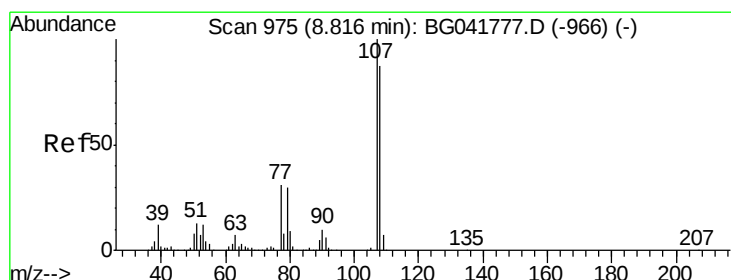
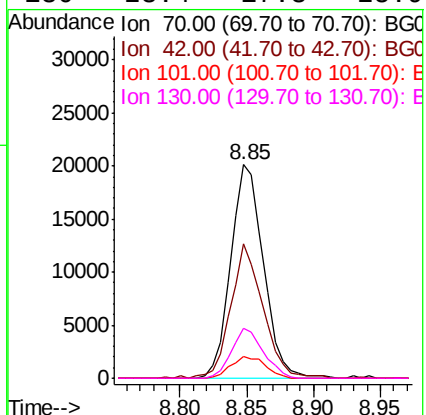
Ion Ratio Lower Upper

70 100

42 62.9 55.8 83.6

101 10.0 8.1 12.1

130 23.4 17.3 25.9



#20

3+4-Methylphenols

Concen: 7.718 ng

RT: 8.81 min Scan# 973

Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion: 107 Resp: 47697

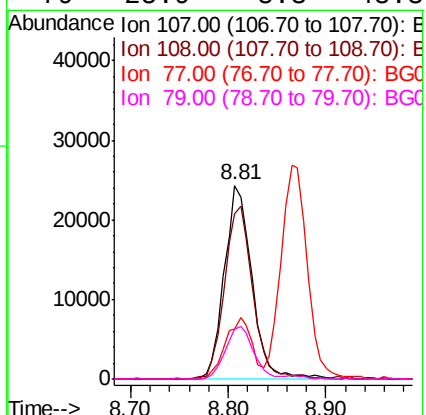
Ion Ratio Lower Upper

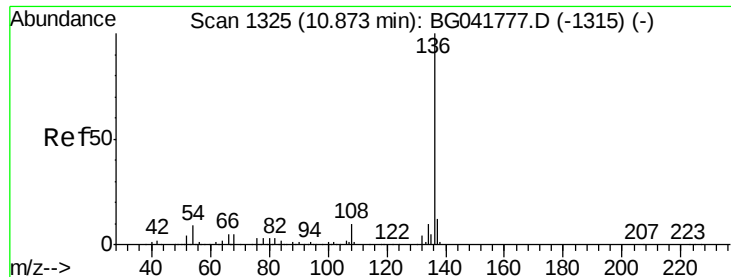
107 100

108 85.5 67.5 107.5

77 26.0 12.3 52.3

79 25.9 8.3 48.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:136 Resp: 377053

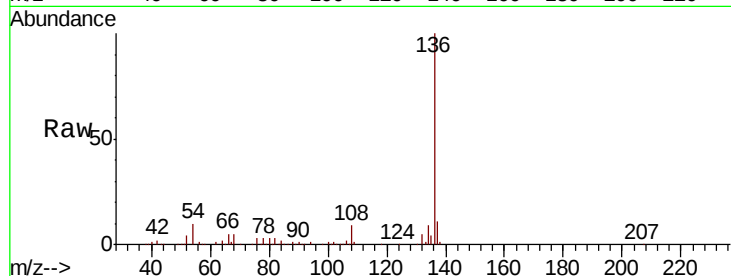
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 9.5 8.7 13.1

68 5.3 5.5 8.3#

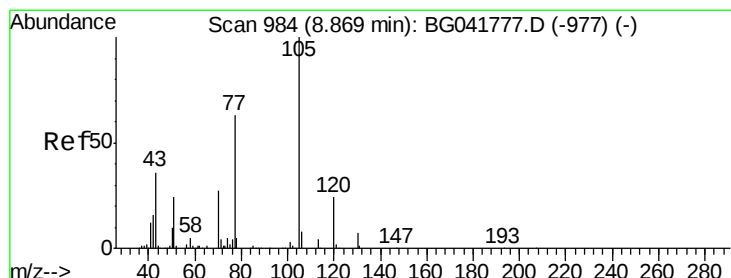
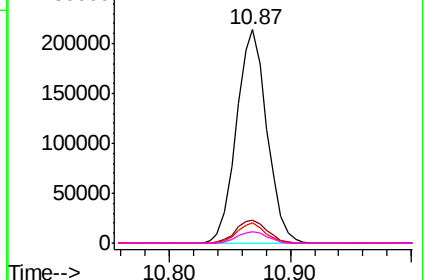
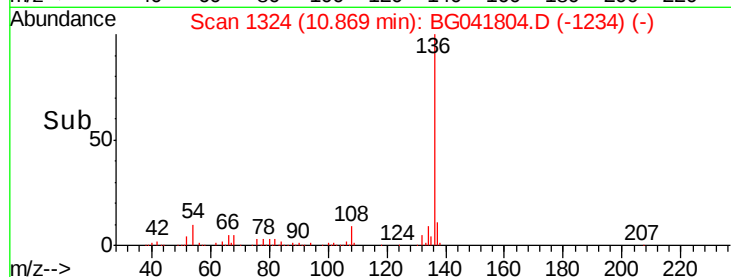


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.854 ng

RT: 8.87 min Scan# 984

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:105 Resp: 66238

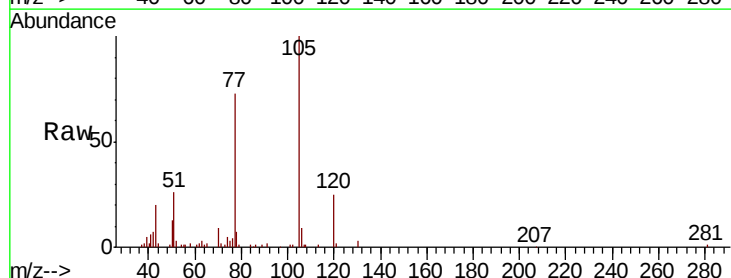
Ion Ratio Lower Upper

105 100

71 1.6 5.9 8.9#

51 26.3 27.7 41.5#

120 25.2 19.3 28.9

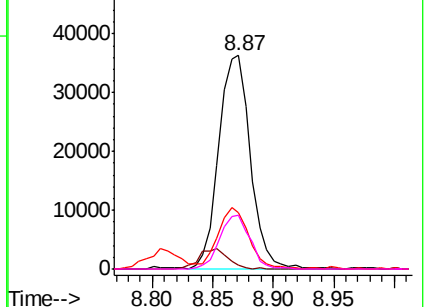
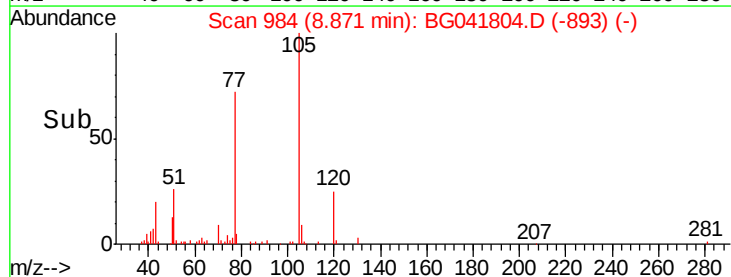


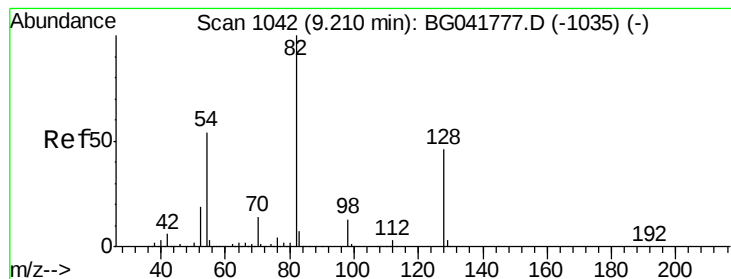
Abundance Ion 105.00 (104.70 to 105.70): E

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: 85.656 ng

RT: 9.21 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

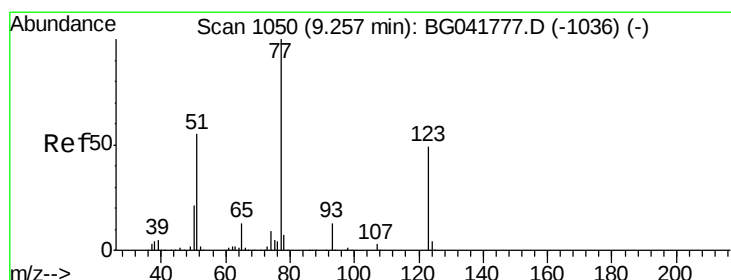
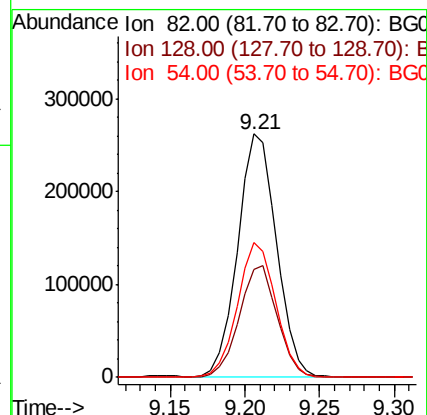
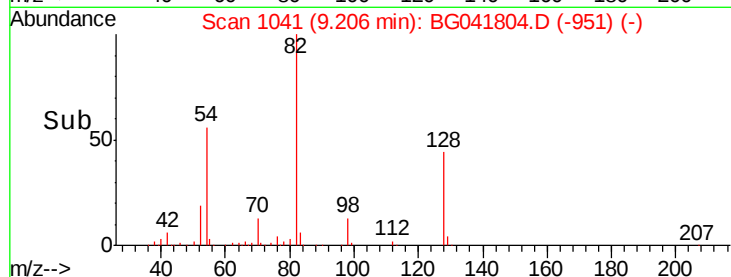
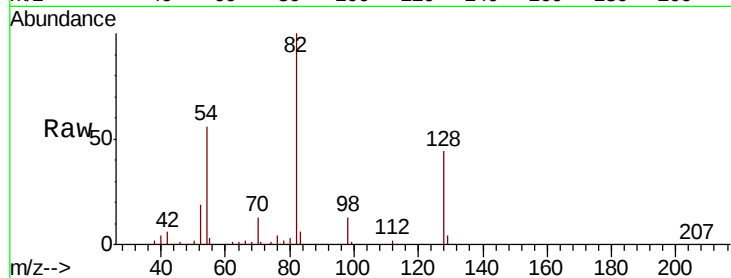
Tgt Ion: 82 Resp: 469322

Ion Ratio Lower Upper

82 100

128 44.2 35.1 52.7

54 55.6 48.7 73.1



#24

Nitrobenzene

Concen: 8.401 ng

RT: 9.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

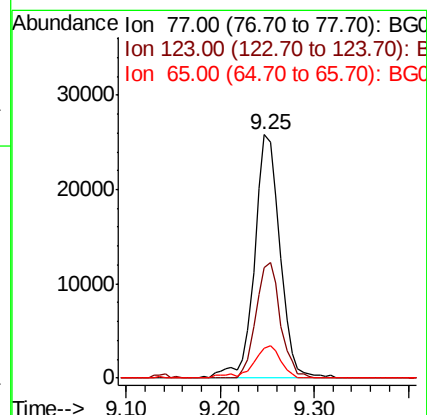
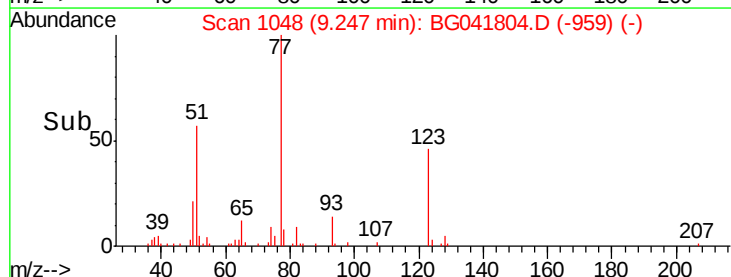
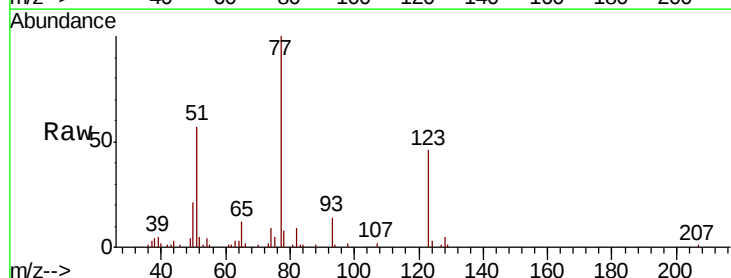
Tgt Ion: 77 Resp: 48492

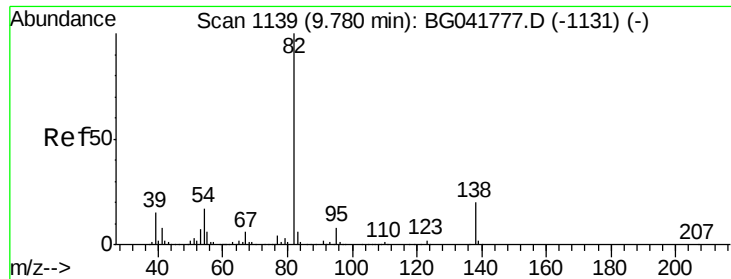
Ion Ratio Lower Upper

77 100

123 45.5 38.1 57.1

65 12.0 11.0 16.6





#25

Isophorone

Concen: 7.886 ng

RT: 9.78 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

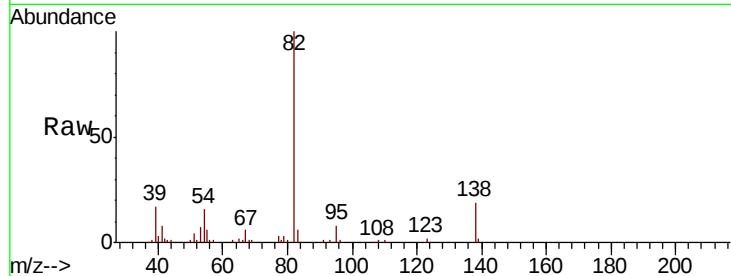
Tgt Ion: 82 Resp: 93988

Ion Ratio Lower Upper

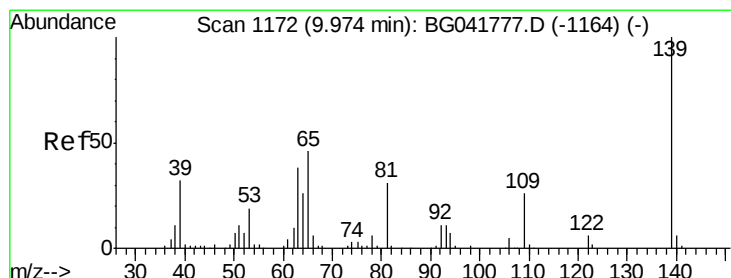
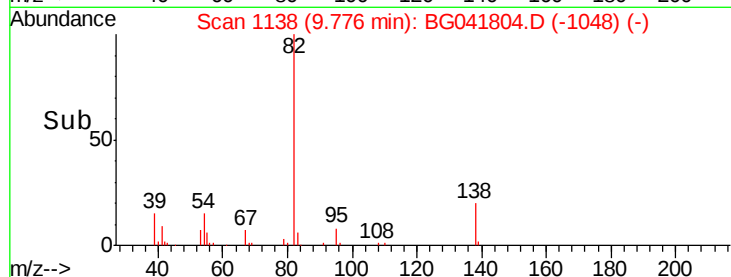
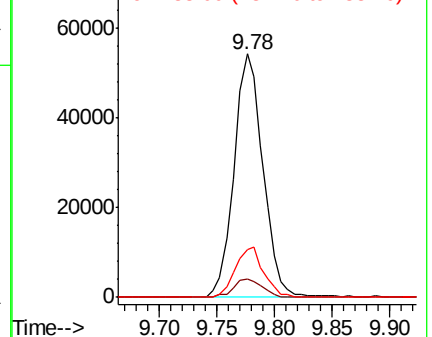
82 100

95 7.8 5.9 8.9

138 19.4 16.3 24.5



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: 7.915 ng

RT: 9.97 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

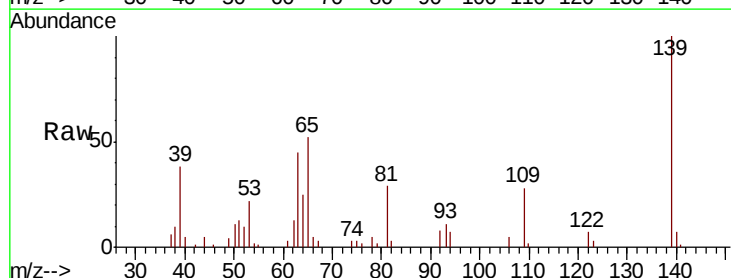
Tgt Ion: 139 Resp: 21203

Ion Ratio Lower Upper

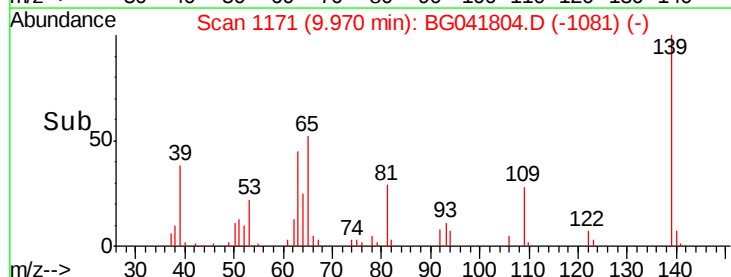
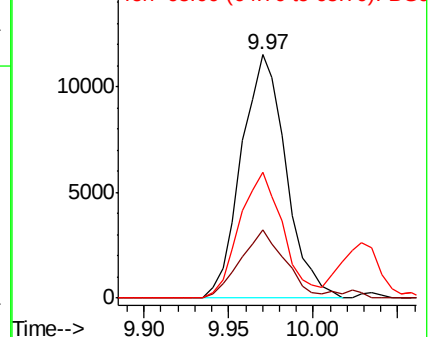
139 100

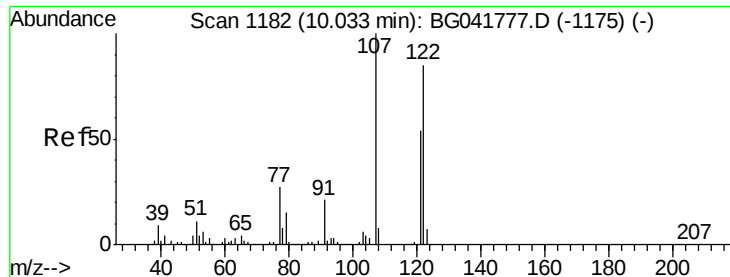
109 28.2 22.7 34.1

65 51.8 41.1 61.7



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

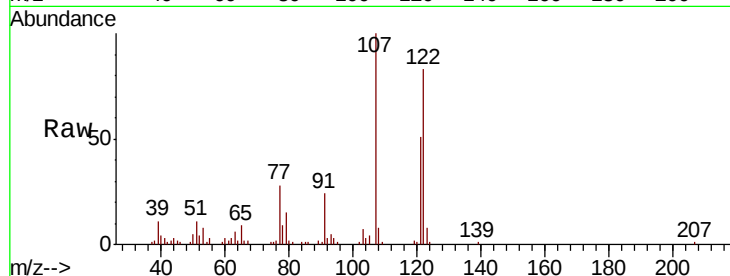




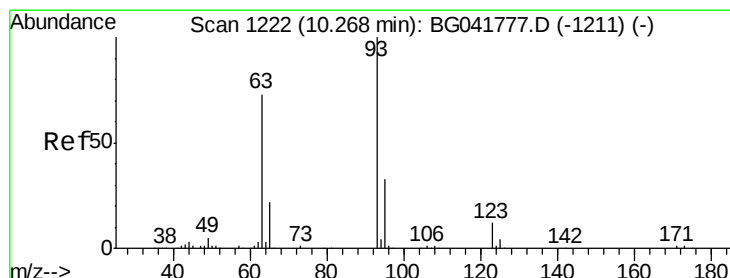
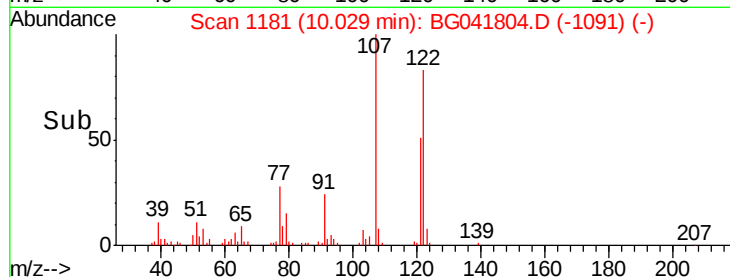
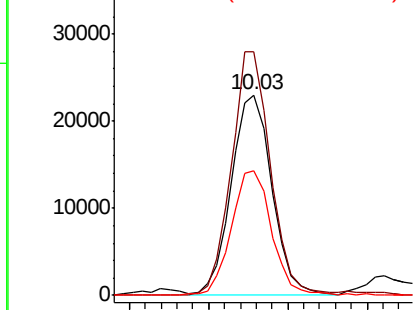
#27
2,4-Dimethylphenol
Concen: 8.676 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:122 Resp: 41021
Ion Ratio Lower Upper
122 100
107 121.1 91.3 136.9
121 62.0 49.2 73.8

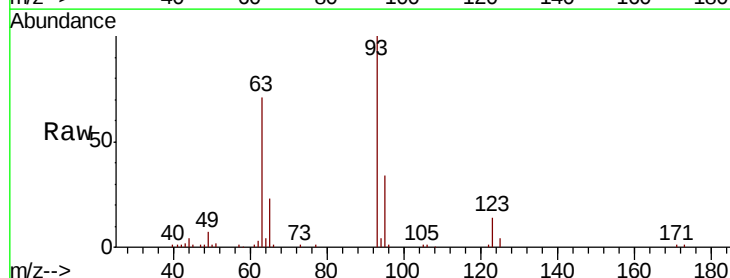


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

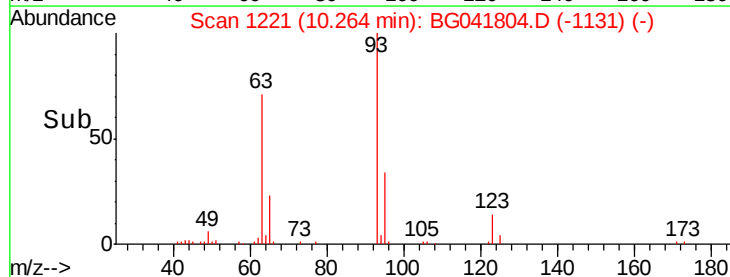
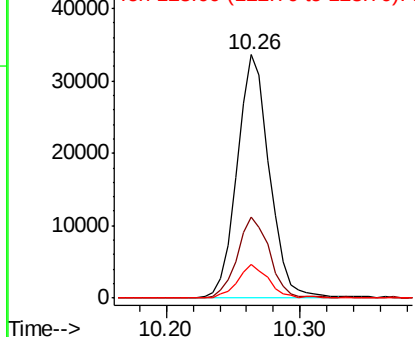


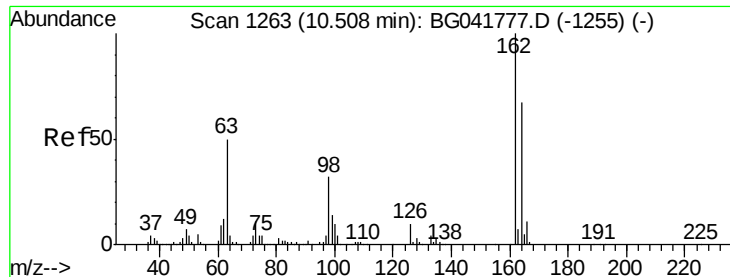
#28
bis(2-Chloroethoxy)methane
Concen: 7.557 ng
RT: 10.26 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion: 93 Resp: 56284
Ion Ratio Lower Upper
93 100
95 33.5 26.2 39.4
123 14.0 9.9 14.9



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

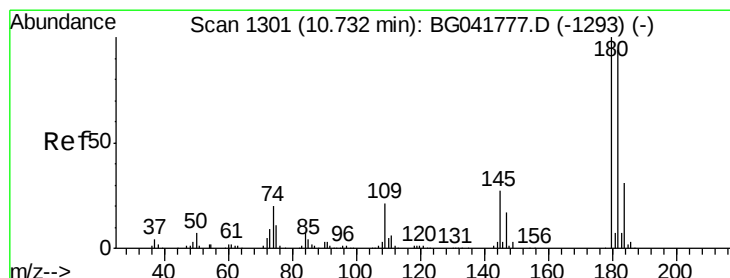
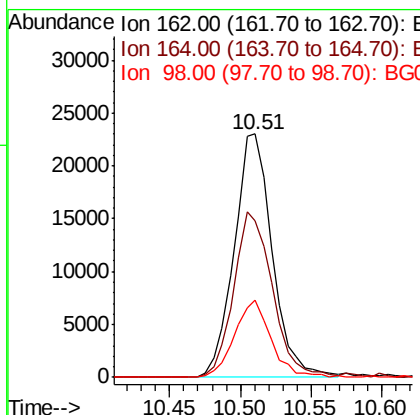
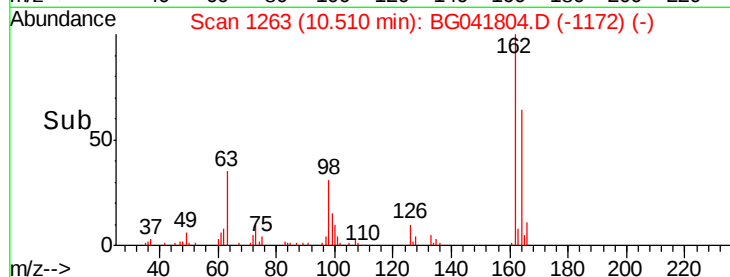
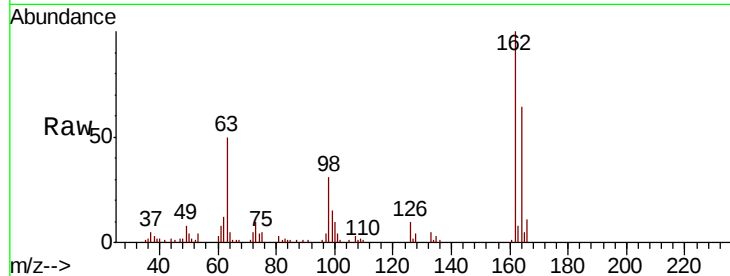




#29
2,4-Dichlorophenol
Concen: 7.543 ng
RT: 10.51 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

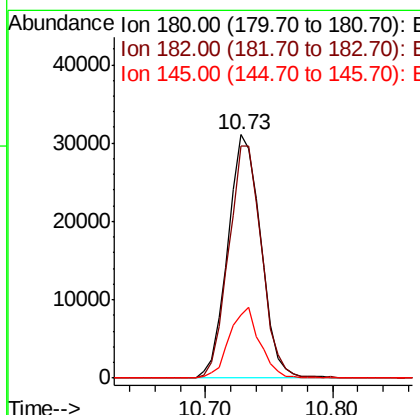
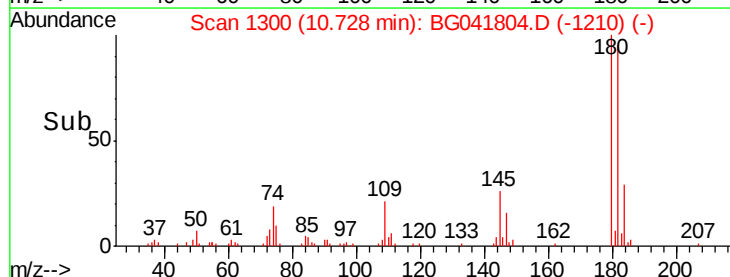
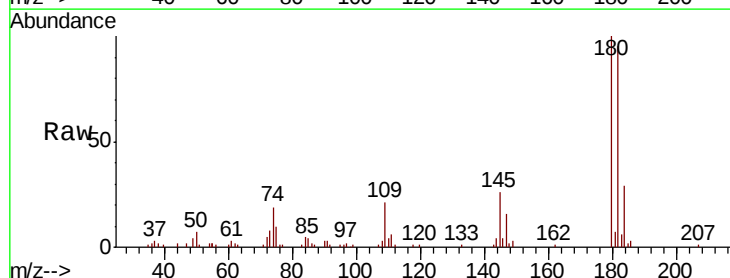
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

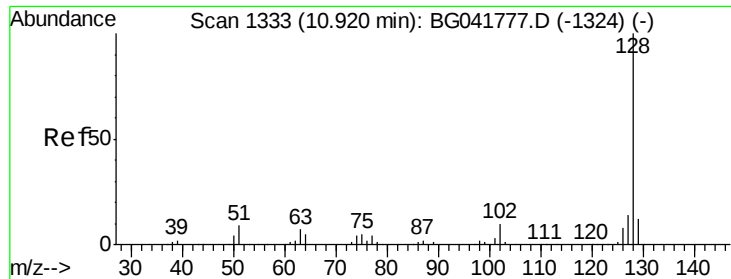
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.2	46.1	86.1
98	31.5	14.7	54.7



#30
1,2,4-Trichlorobenzene
Concen: 7.644 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
145	26.0	23.8	35.8

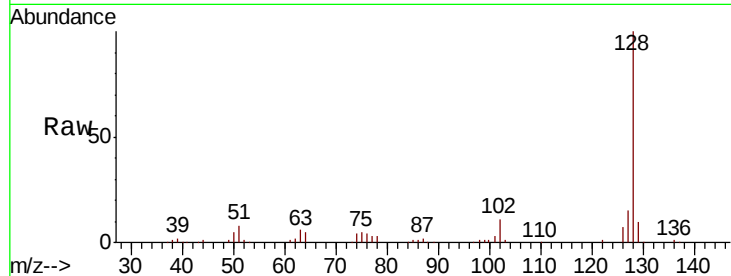




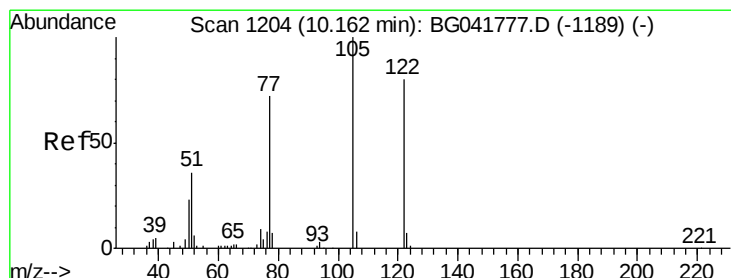
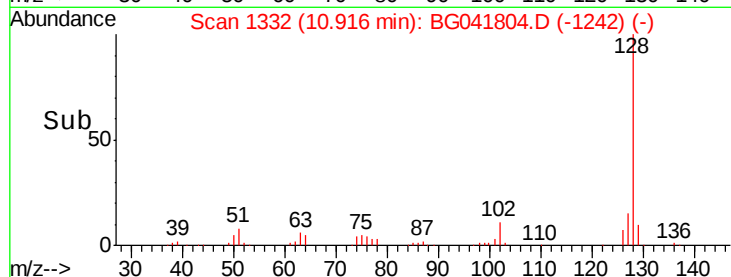
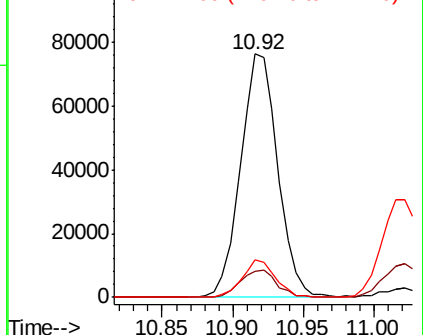
#31
Naphthalene
Concen: 8.144 ng
RT: 10.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:128 Resp: 140539
Ion Ratio Lower Upper
128 100
129 10.5 10.0 15.0
127 15.3 12.3 18.5

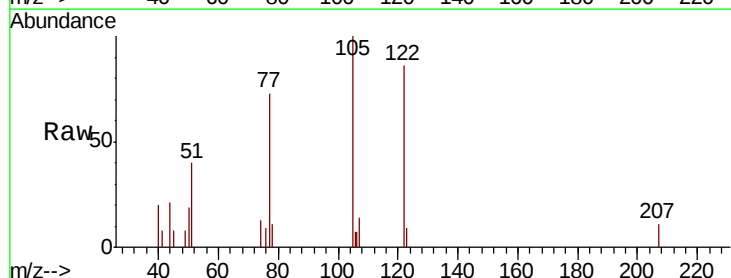


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

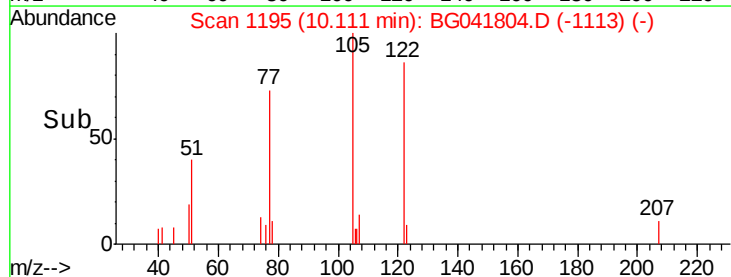
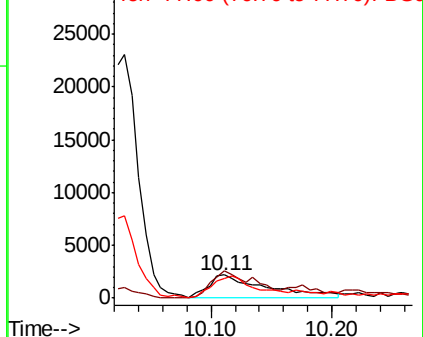


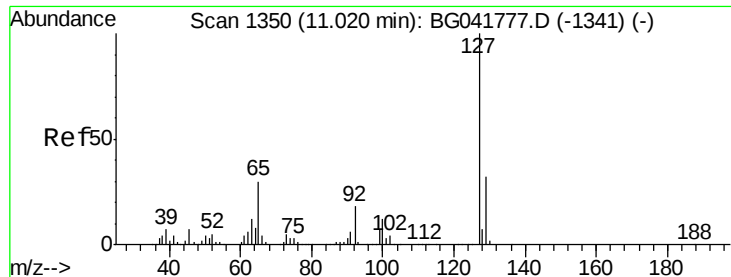
#32
Benzoic acid
Concen: 10.560 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.05 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:122 Resp: 7563
Ion Ratio Lower Upper
122 100
105 123.7 101.5 141.5
77 85.1 73.0 113.0



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

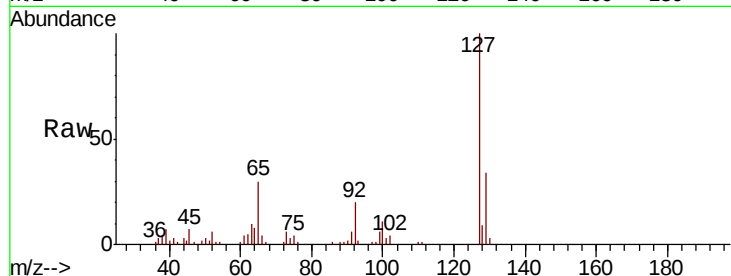




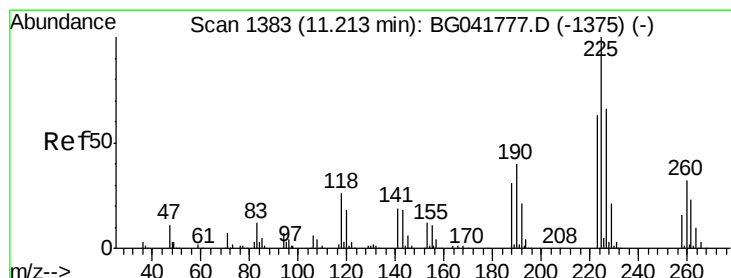
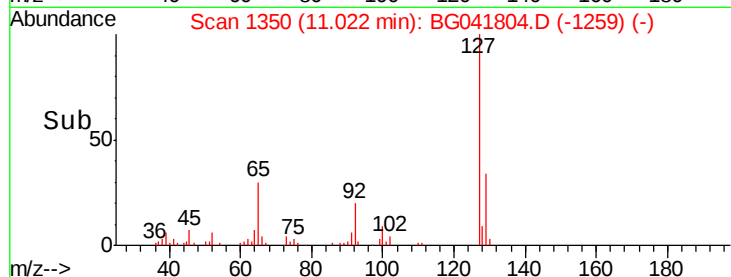
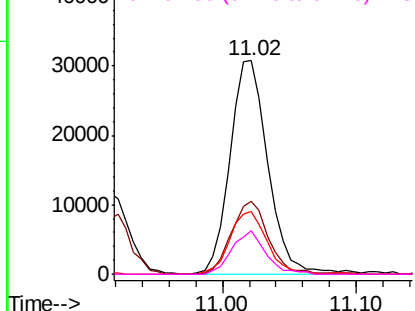
#33
4-Chloroaniline
Concen: 7.426 ng
RT: 11.02 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:127 Resp: 60772
Ion Ratio Lower Upper
127 100
129 33.9 25.8 38.8
65 29.7 26.7 40.1
92 20.2 15.4 23.0

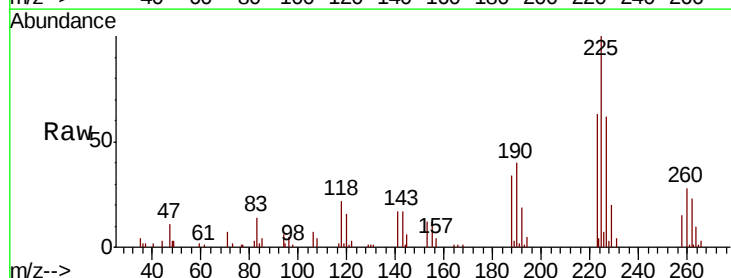


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

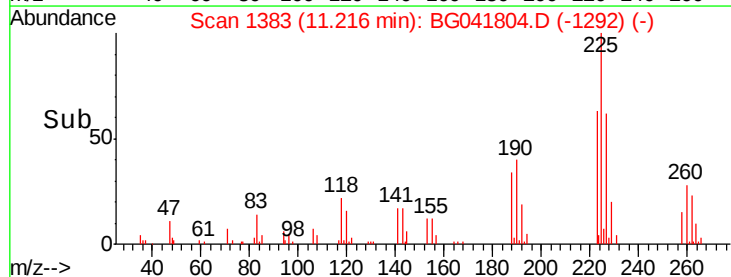
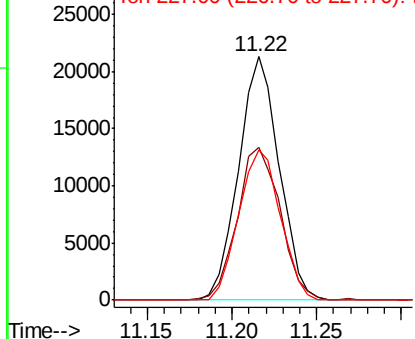


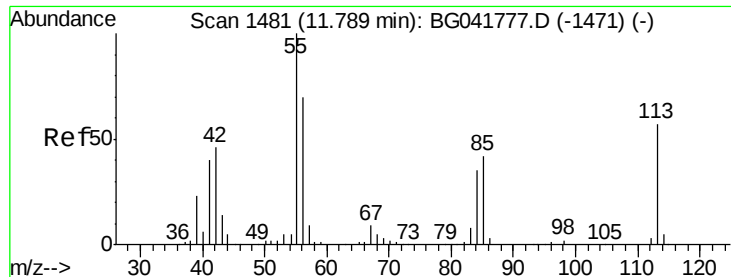
#34
Hexachlorobutadiene
Concen: 7.237 ng
RT: 11.22 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:225 Resp: 35666
Ion Ratio Lower Upper
225 100
223 58.5 51.1 76.7
227 59.7 50.9 76.3



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

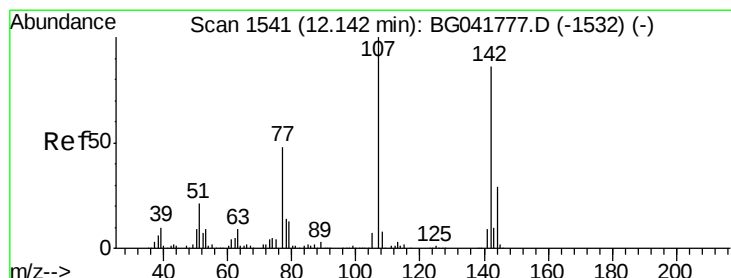
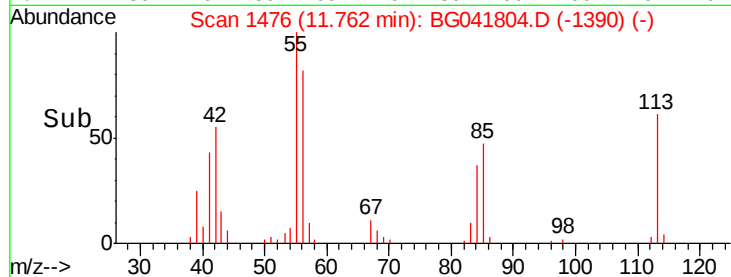
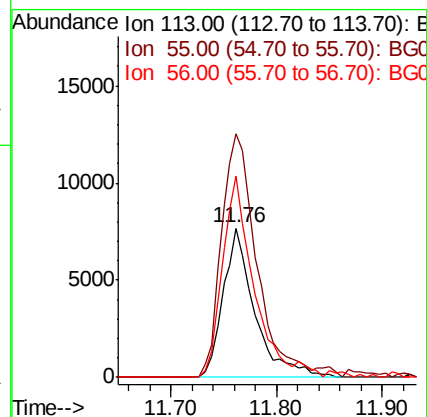
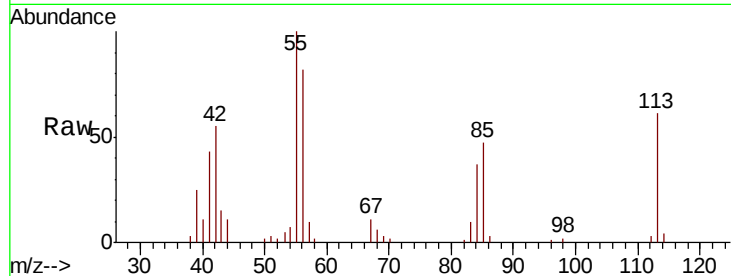




#35
 Caprolactam
 Concen: 7.962 ng
 RT: 11.76 min Scan# 1476
 Delta R.T. -0.03 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

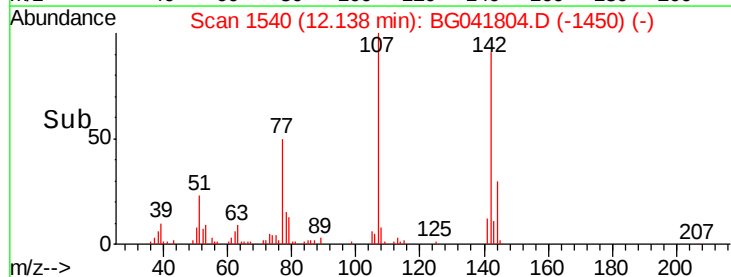
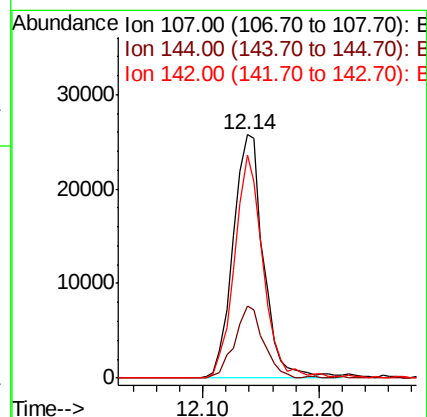
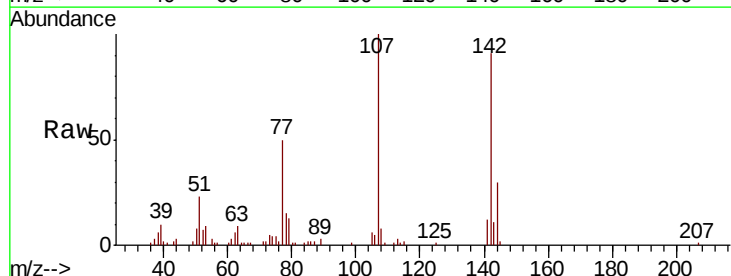
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

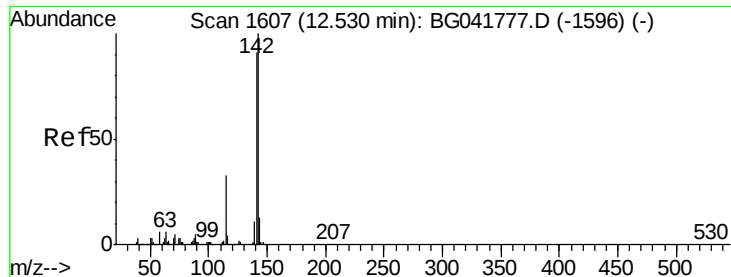
Tgt Ion:113 Resp: 15932
 Ion Ratio Lower Upper
 113 100
 55 163.4 199.4 239.4#
 56 134.8 133.6 173.6



#36
 4-Chloro-3-methylphenol
 Concen: 8.243 ng
 RT: 12.14 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion:107 Resp: 47054
 Ion Ratio Lower Upper
 107 100
 144 29.7 22.2 33.2
 142 91.4 67.3 100.9

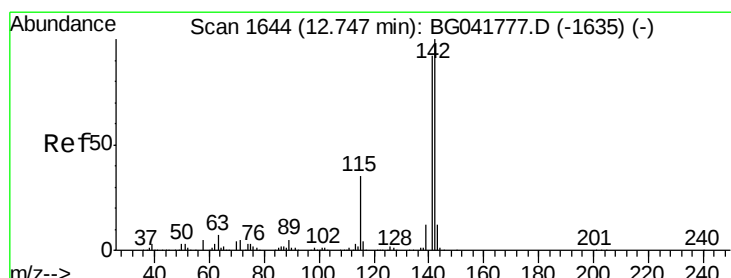
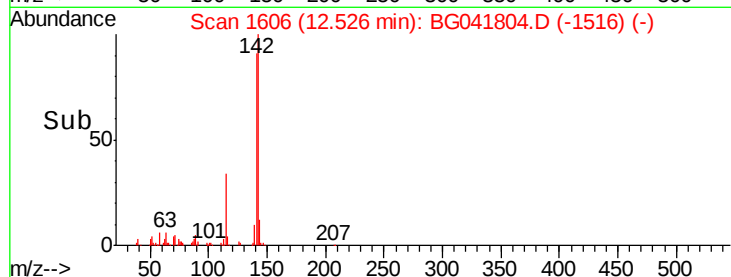
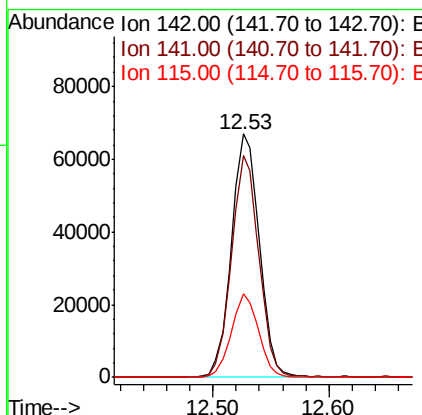
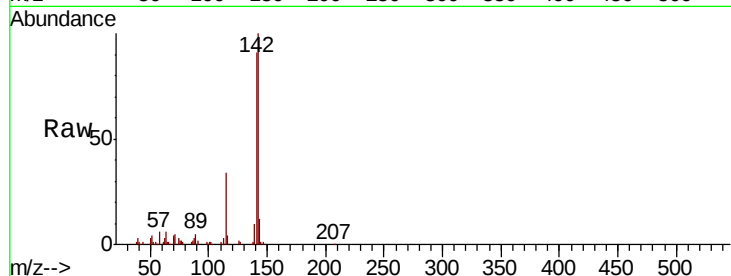




#37
2-Methylnaphthalene
Concen: 8.217 ng
RT: 12.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

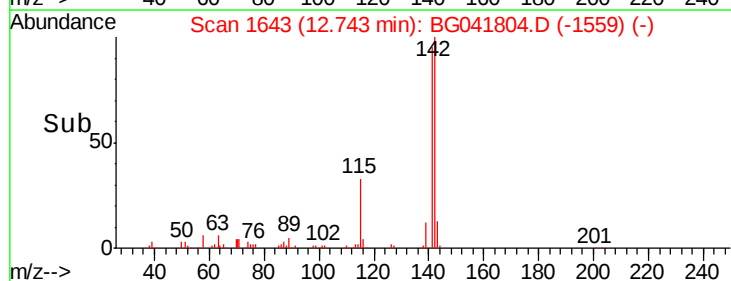
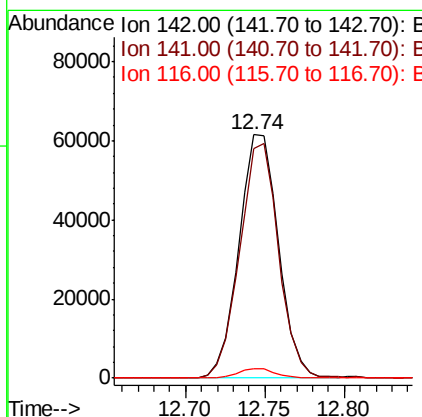
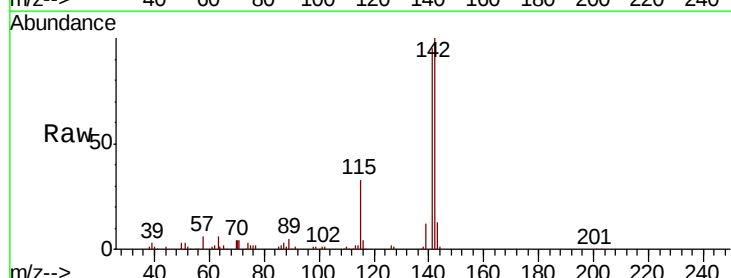
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

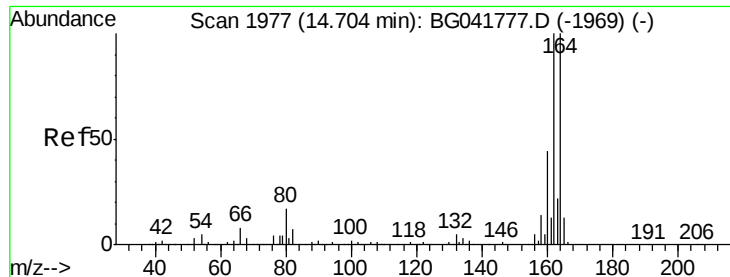
Tgt Ion:142 Resp: 112237
Ion Ratio Lower Upper
142 100
141 91.3 72.7 109.1
115 34.1 27.0 40.4



#38
1-Methylnaphthalene
Concen: 8.231 ng
RT: 12.74 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:142 Resp: 106549
Ion Ratio Lower Upper
142 100
141 94.5 75.4 113.2
116 3.9 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

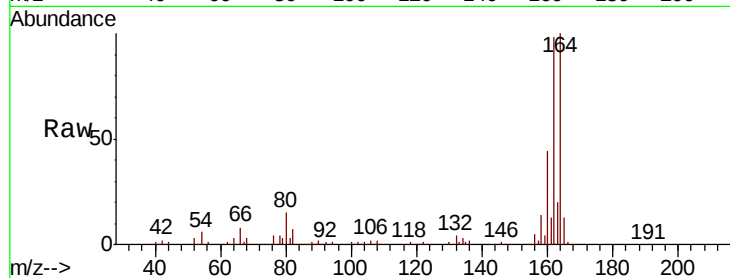
Tgt Ion:164 Resp: 281127

Ion Ratio Lower Upper

164 100

162 98.0 79.6 119.4

160 43.5 35.4 53.0

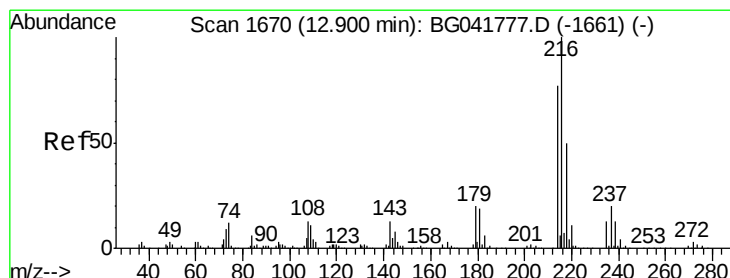
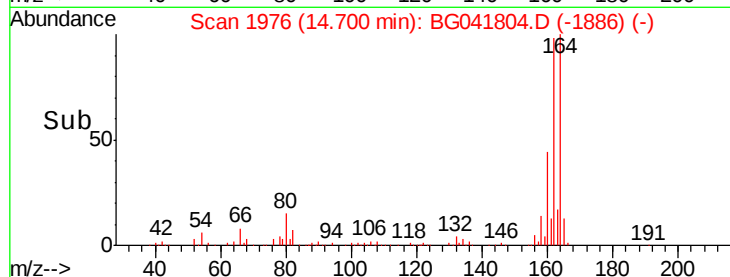
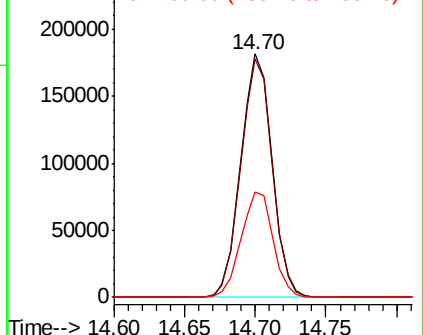


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.914 ng

RT: 12.90 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Tgt Ion:216 Resp: 70422

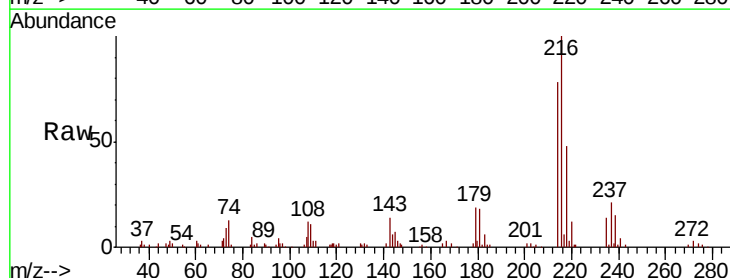
Ion Ratio Lower Upper

216 100

214 77.7 61.5 92.3

179 18.9 16.2 24.2

108 12.6 13.2 19.8#



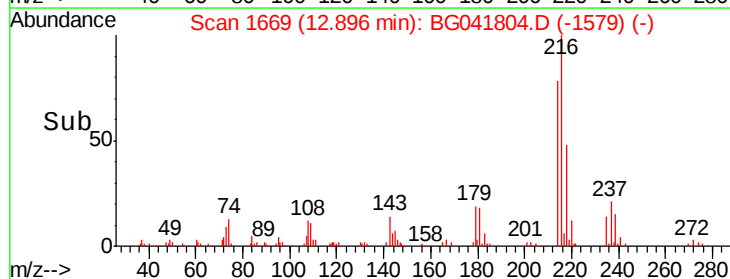
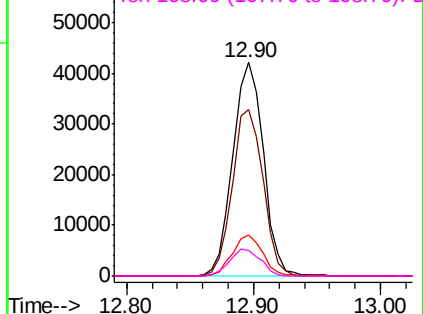
Abundance

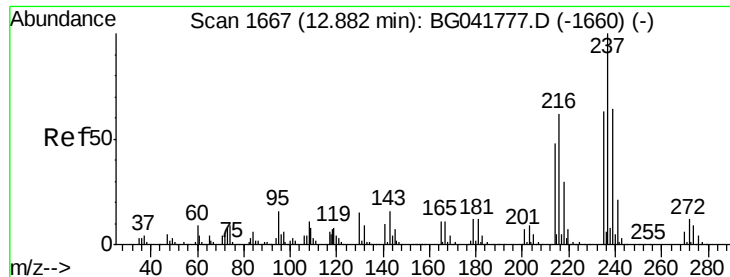
Ion 216.00 (215.70 to 216.70): E

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: 6.962 ng

RT: 12.88 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

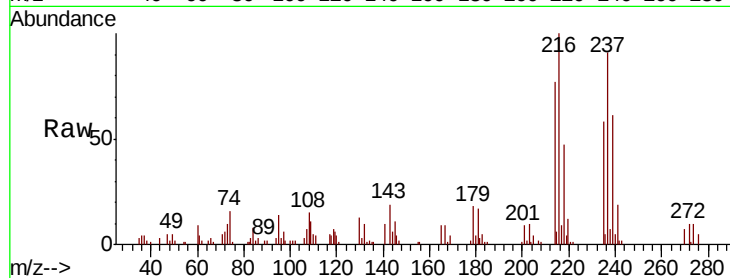
Tgt Ion: 237 Resp: 34831

Ion Ratio Lower Upper

237 100

235 63.4 43.5 83.5

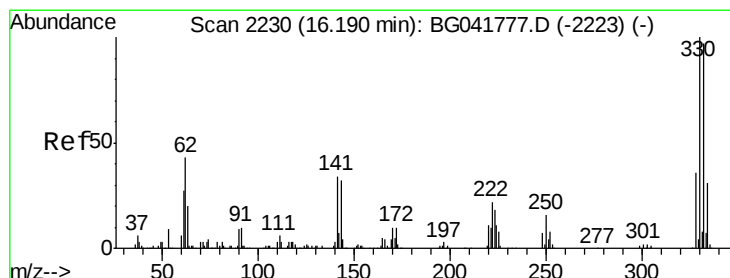
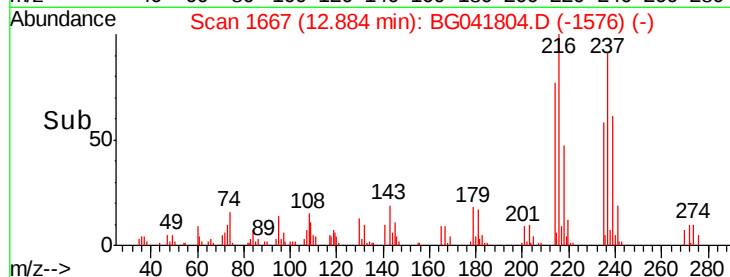
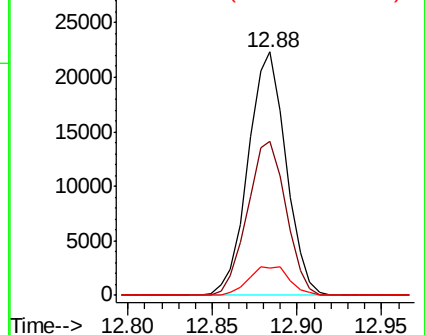
272 11.1 0.0 31.2



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: 108.021 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

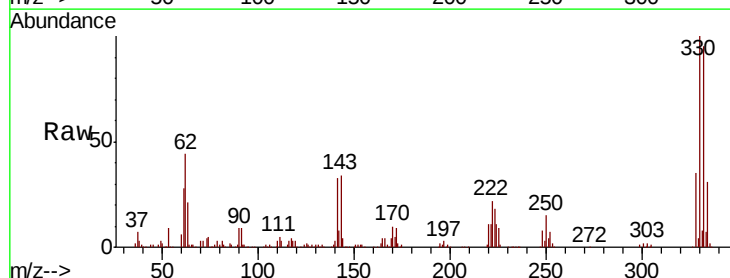
Tgt Ion: 330 Resp: 344936

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

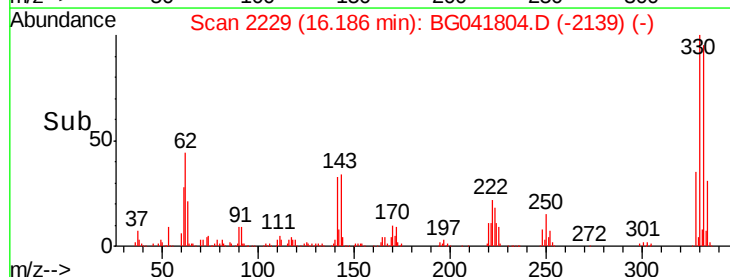
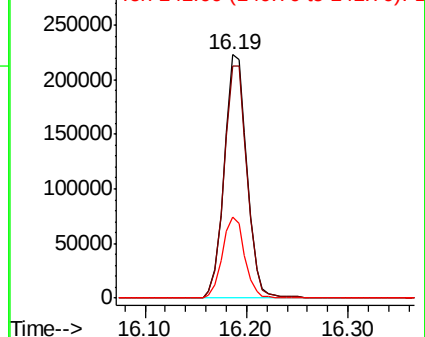
141 32.9 31.9 47.9

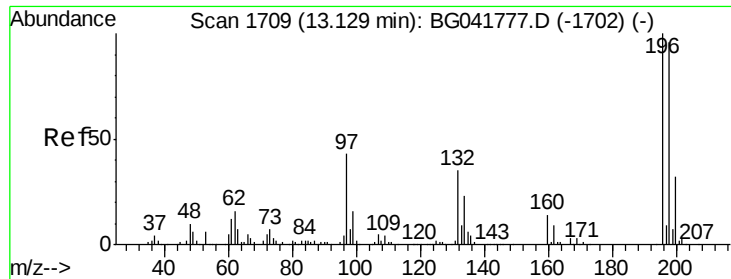


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

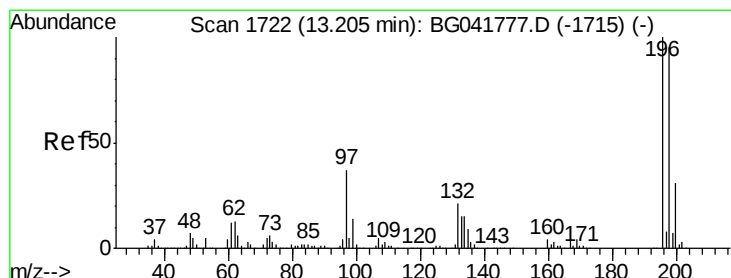
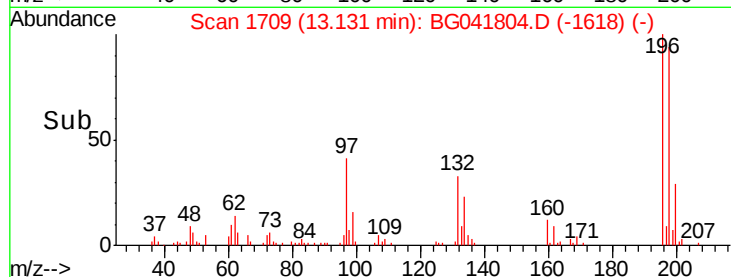
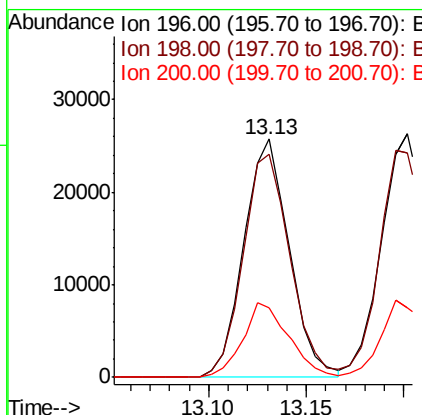
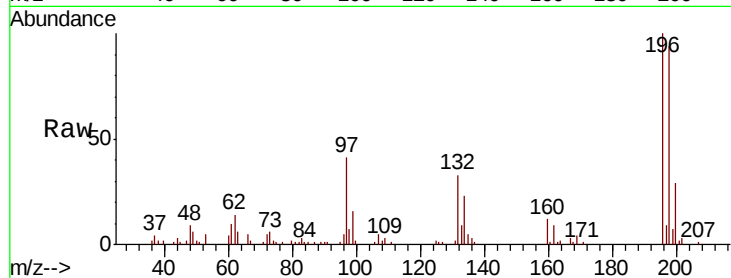




#43
 2,4,6-Trichlorophenol
 Concen: 7.374 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

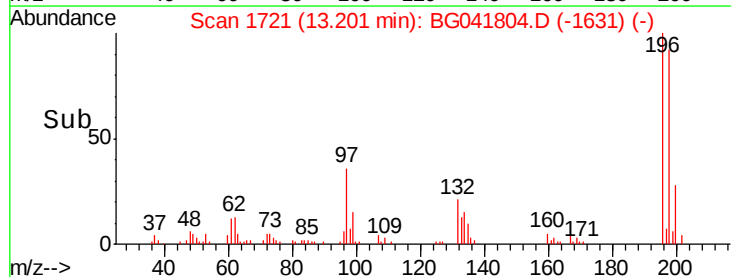
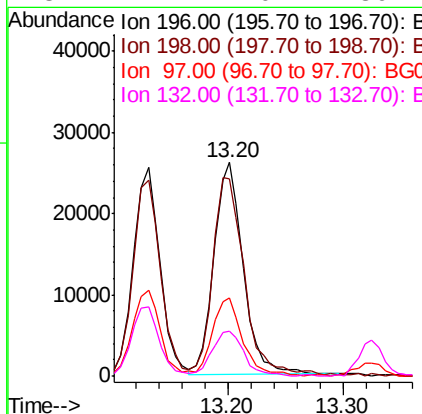
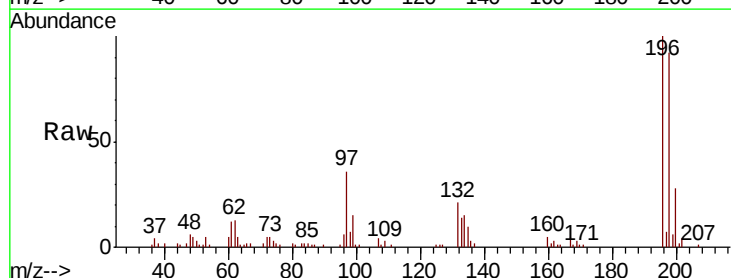
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

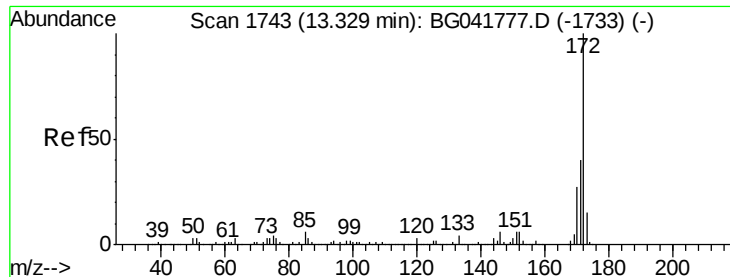
Tgt Ion:196 Resp: 41472
 Ion Ratio Lower Upper
 196 100
 198 93.6 79.6 119.4
 200 29.1 25.2 37.8



#44
 2,4,5-Trichlorophenol
 Concen: 7.875 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion:196 Resp: 46026
 Ion Ratio Lower Upper
 196 100
 198 92.4 80.6 121.0
 97 36.3 33.9 50.9
 132 21.2 20.2 30.2

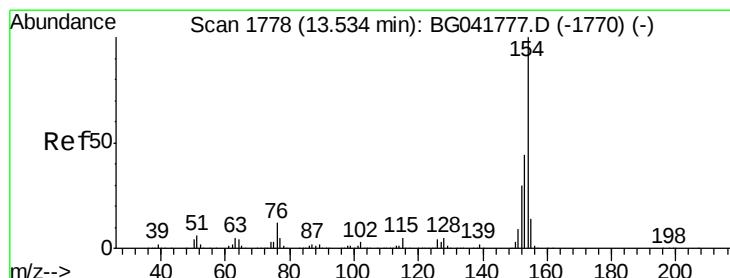
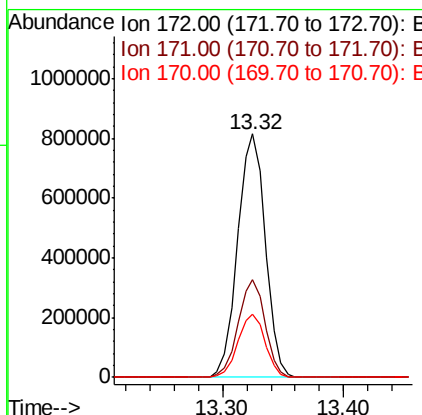
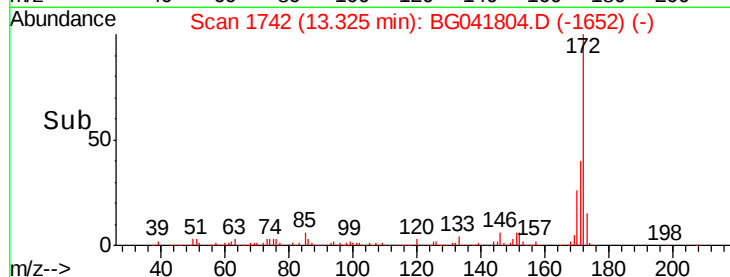
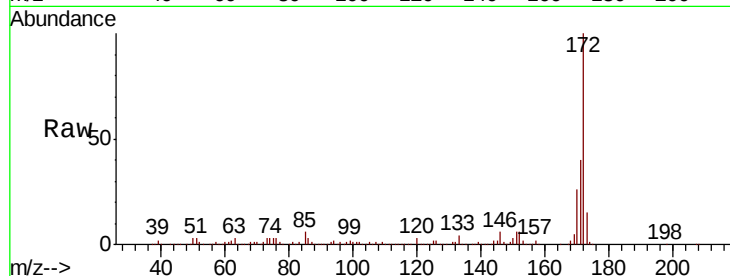




#45
 2-Fluorobiphenyl
 Concen: 81.891 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

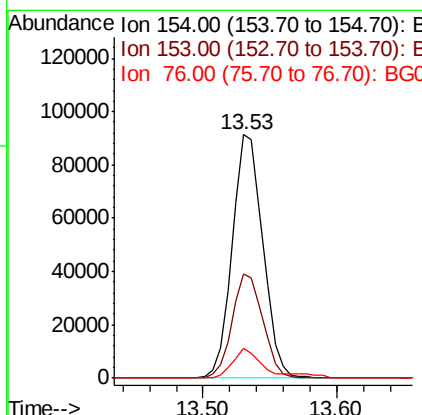
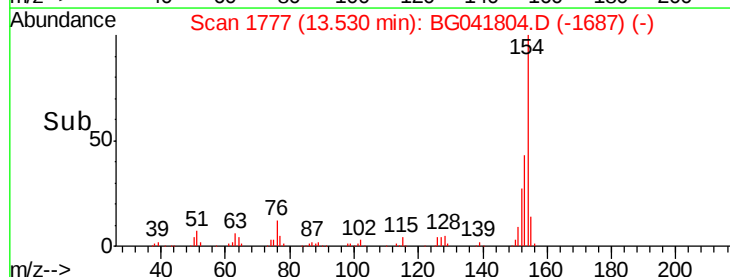
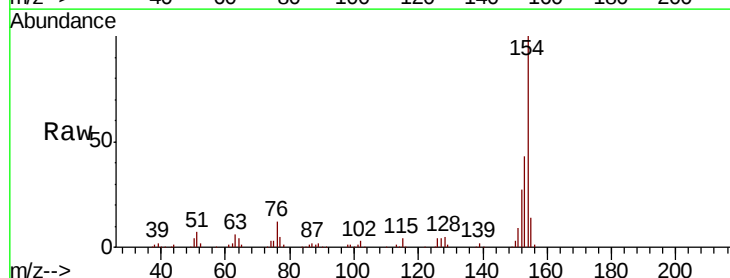
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

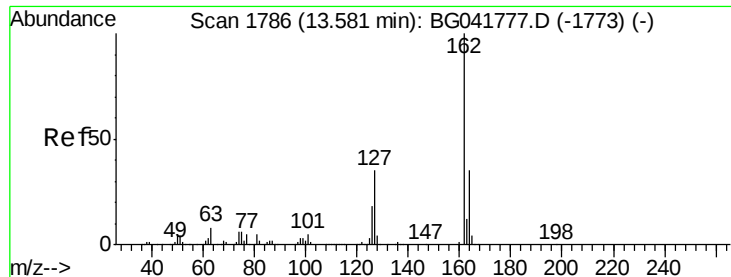
Tgt Ion:172 Resp: 1305290
 Ion Ratio Lower Upper
 172 100
 171 39.9 35.0 52.4
 170 26.2 23.5 35.3



#46
 1,1'-Biphenyl
 Concen: 8.059 ng
 RT: 13.53 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion:154 Resp: 145632
 Ion Ratio Lower Upper
 154 100
 153 42.7 25.0 65.0
 76 12.4 0.0 34.5

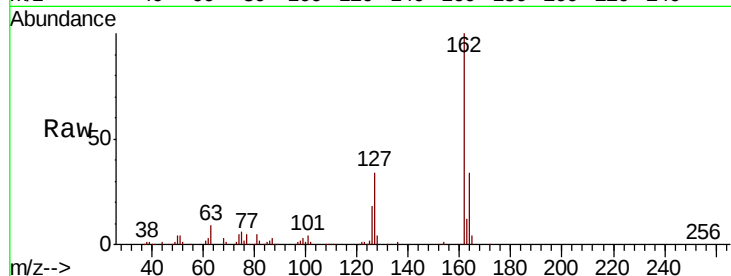




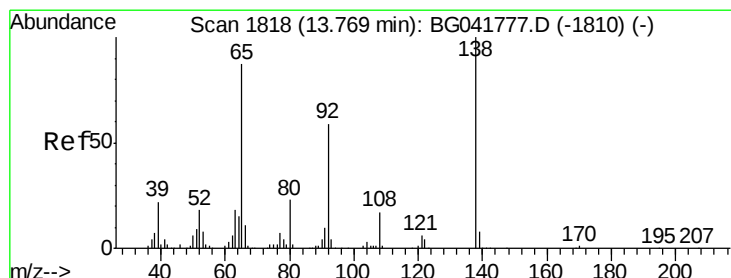
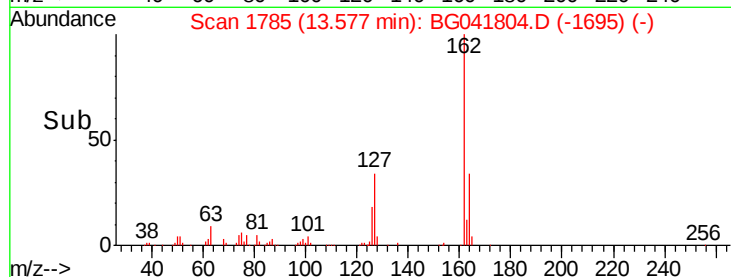
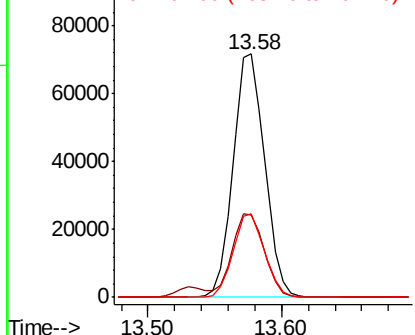
#47
2-Chloronaphthalene
Concen: 7.651 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion: 162 Resp: 117712
Ion Ratio Lower Upper
162 100
127 33.7 30.4 45.6
164 34.3 28.6 42.8

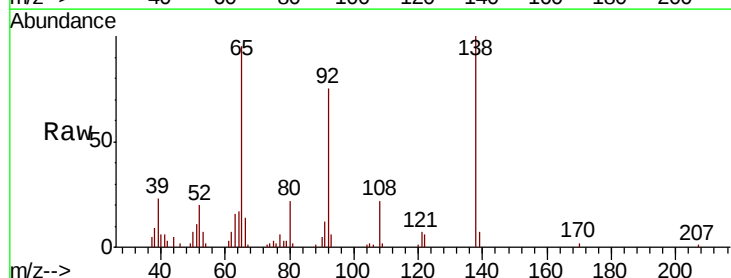


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

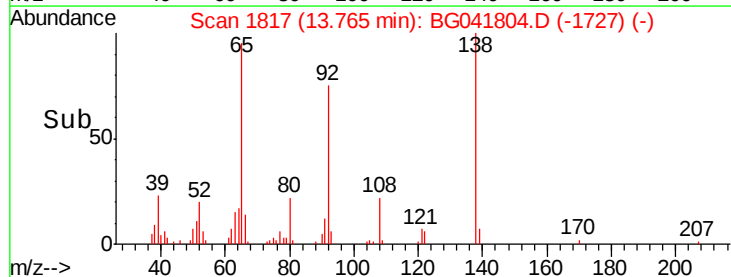
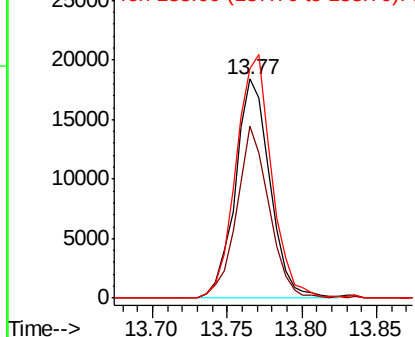


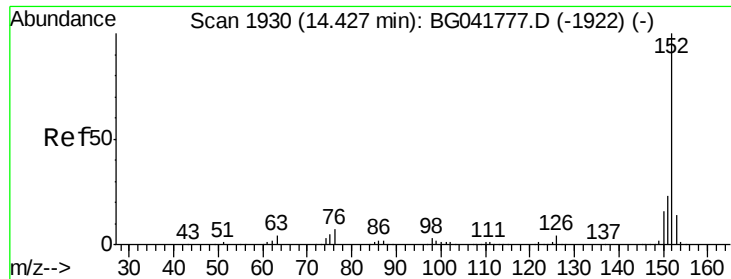
#48
2-Nitroaniline
Concen: 7.590 ng
RT: 13.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion: 65 Resp: 29620
Ion Ratio Lower Upper
65 100
92 78.3 53.9 80.9
138 104.8 83.5 125.3



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: 8.429 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

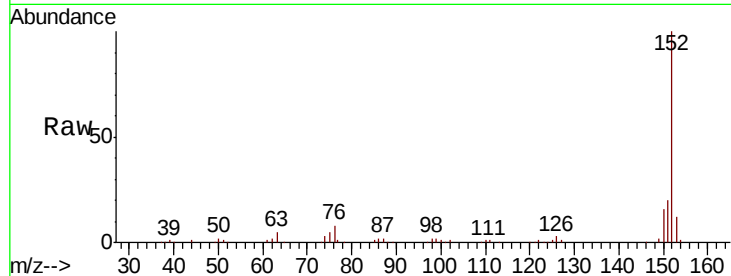
Tgt Ion:152 Resp: 193984

Ion Ratio Lower Upper

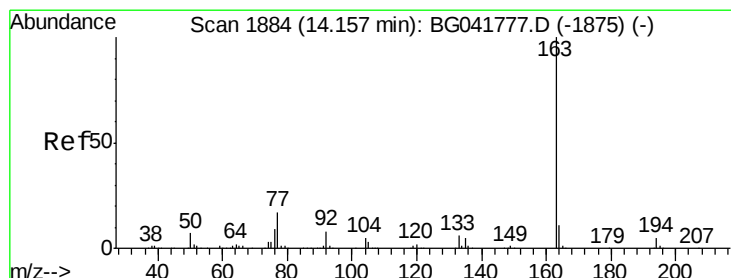
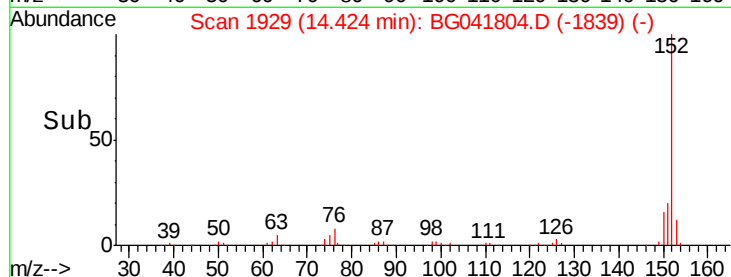
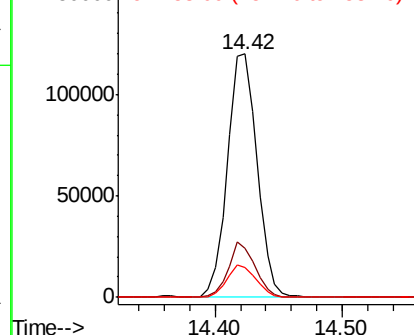
152 100

151 20.4 18.7 28.1

153 12.3 12.4 18.6#



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: 8.233 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

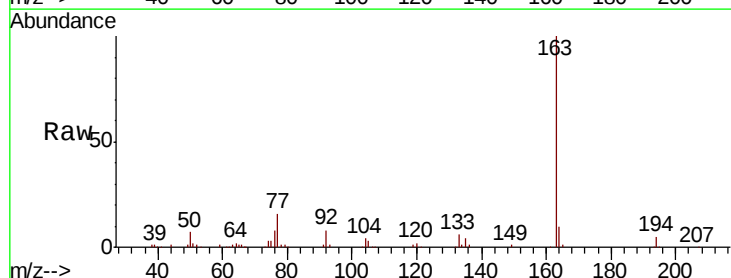
Tgt Ion:163 Resp: 158063

Ion Ratio Lower Upper

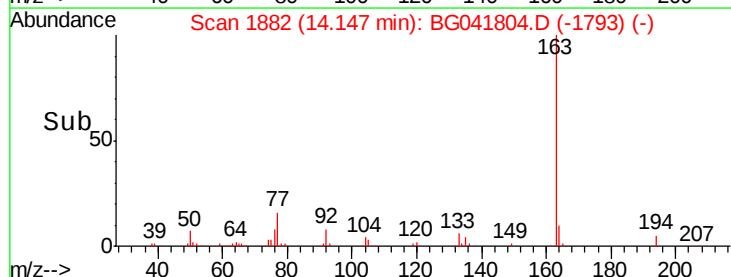
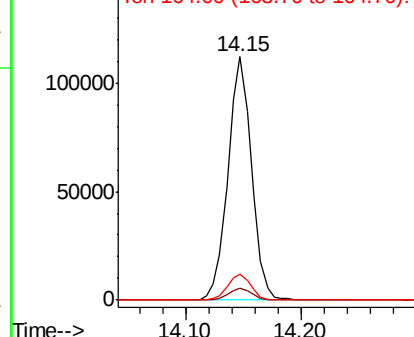
163 100

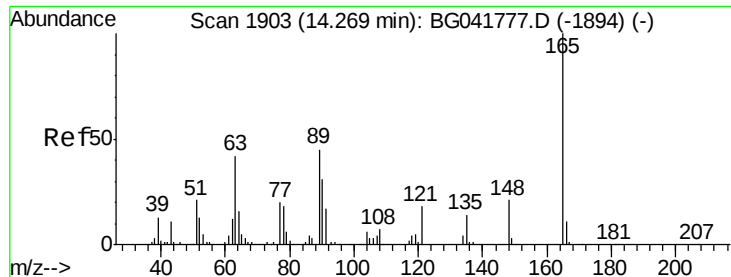
194 4.7 4.2 6.2

164 10.5 9.4 14.2



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: 8.326 ng

RT: 14.26 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

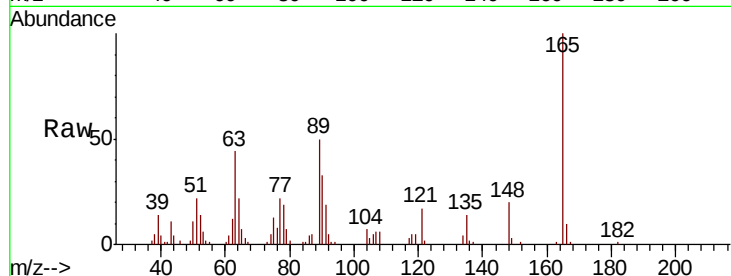
Tgt Ion:165 Resp: 33428

Ion Ratio Lower Upper

165 100

63 44.1 42.4 63.6

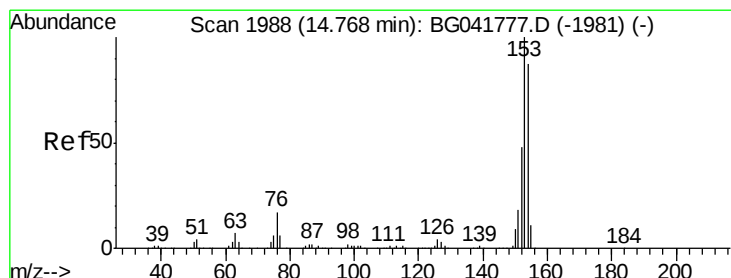
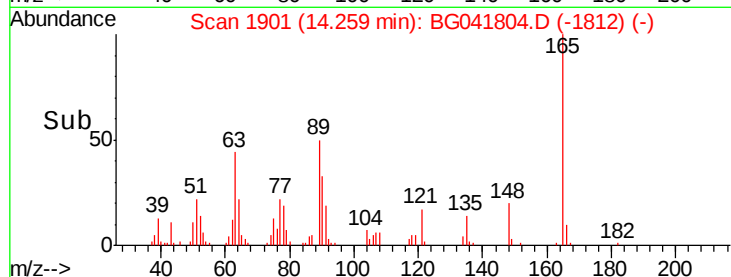
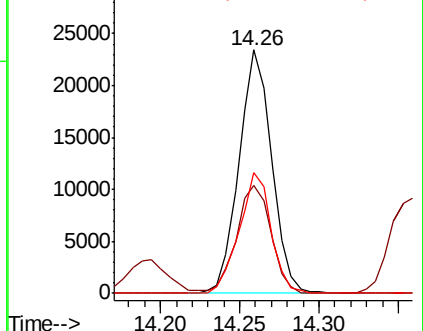
89 49.7 42.1 63.1



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 7.725 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

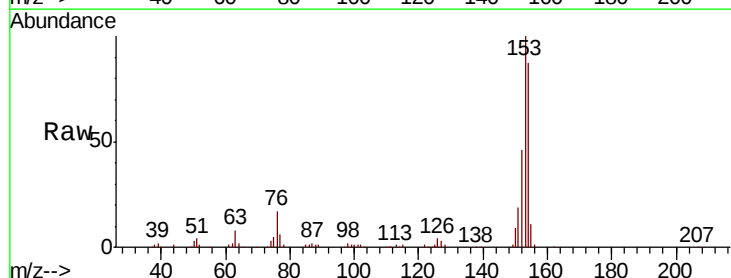
Tgt Ion:154 Resp: 115641

Ion Ratio Lower Upper

154 100

153 114.3 89.8 134.6

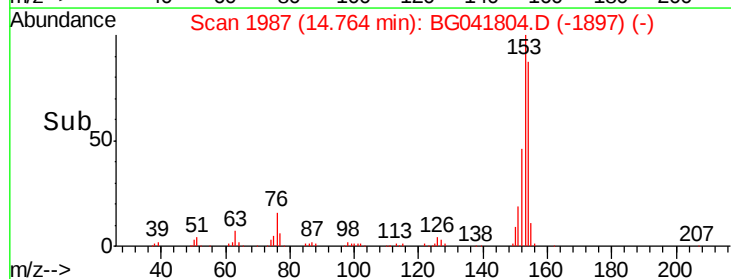
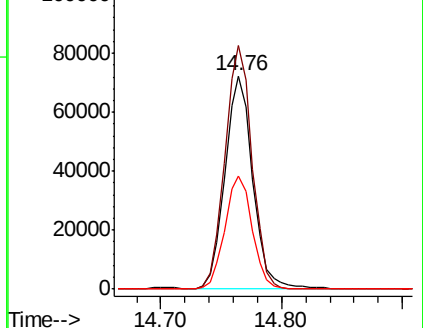
152 53.1 44.9 67.3

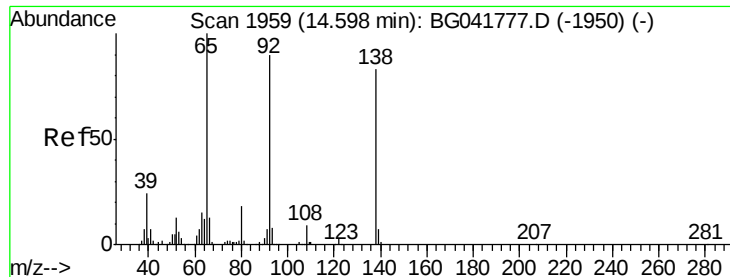


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 7.408 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

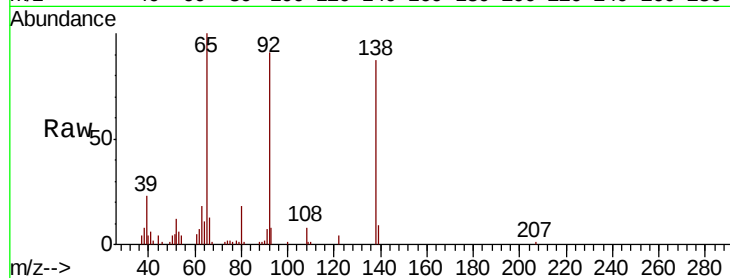
Tgt Ion:138 Resp: 31817

Ion Ratio Lower Upper

138 100

108 9.4 10.3 15.5#

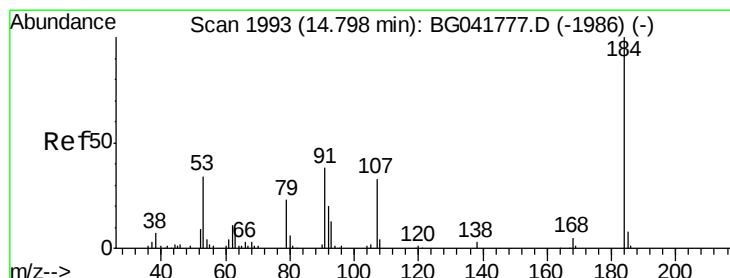
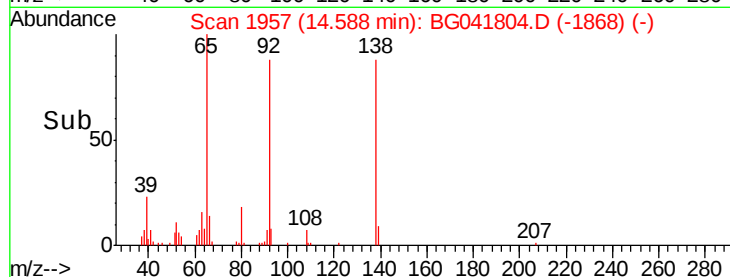
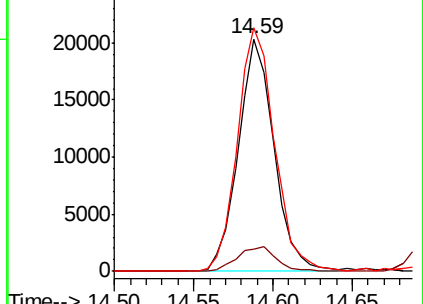
92 104.7 93.0 139.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 7.709 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

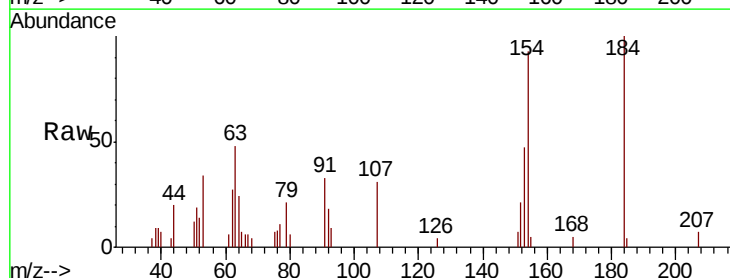
Tgt Ion:184 Resp: 7898

Ion Ratio Lower Upper

184 100

63 48.1 43.2 64.8

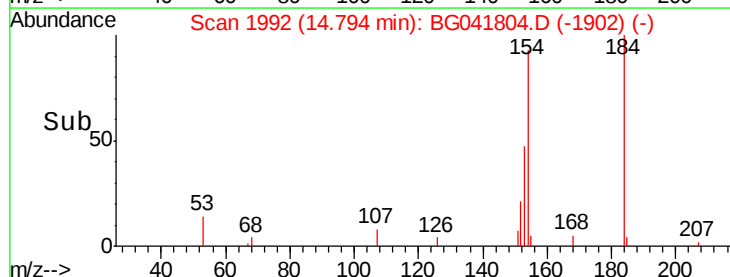
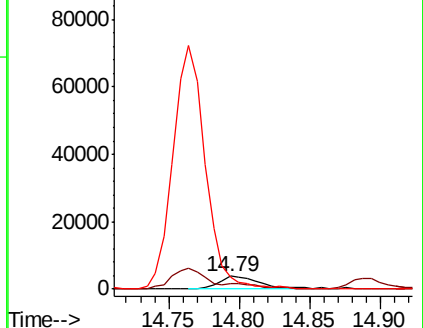
154 93.5 51.4 77.2#

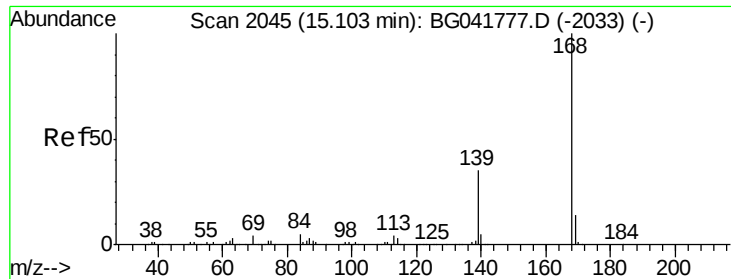


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

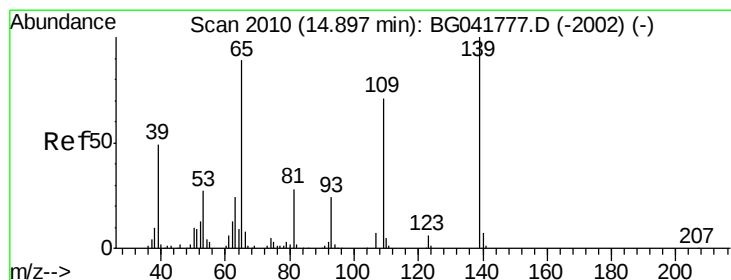
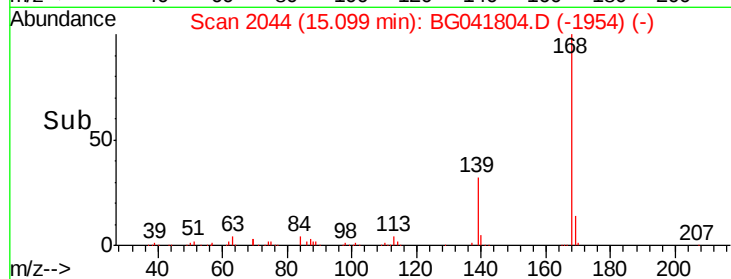
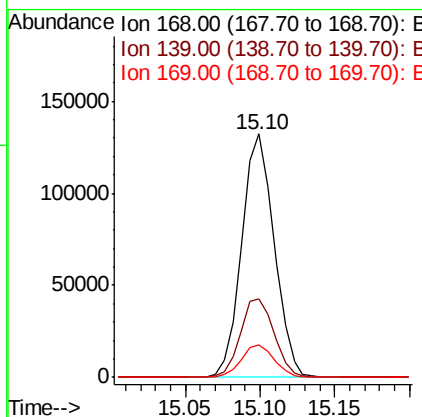
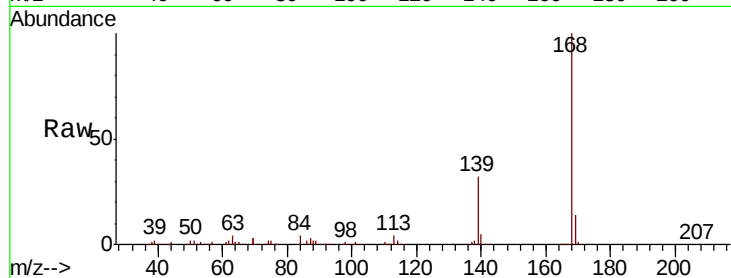




#55
Dibenzenofuran
Concen: 8.703 ng
RT: 15.10 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

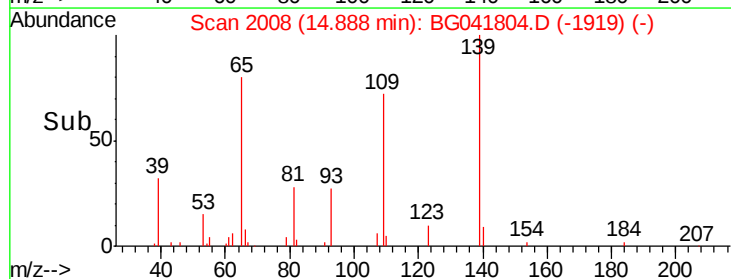
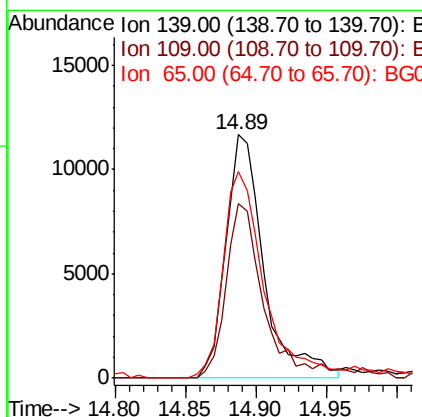
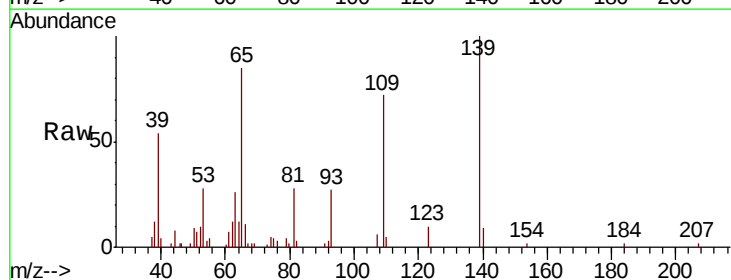
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

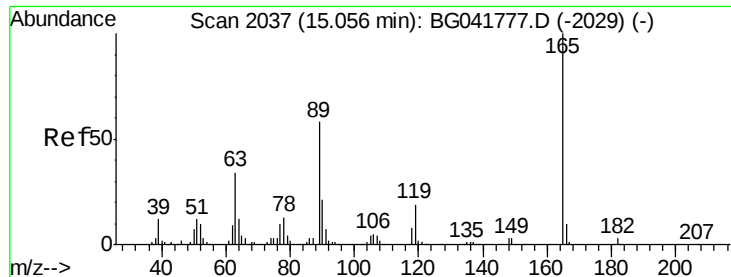
Tgt Ion:168 Resp: 199257
Ion Ratio Lower Upper
168 100
139 32.4 31.9 47.9
169 13.5 12.5 18.7



#56
4-Nitrophenol
Concen: 6.746 ng
RT: 14.89 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:139 Resp: 21995
Ion Ratio Lower Upper
139 100
109 71.8 51.3 91.3
65 84.7 77.6 117.6

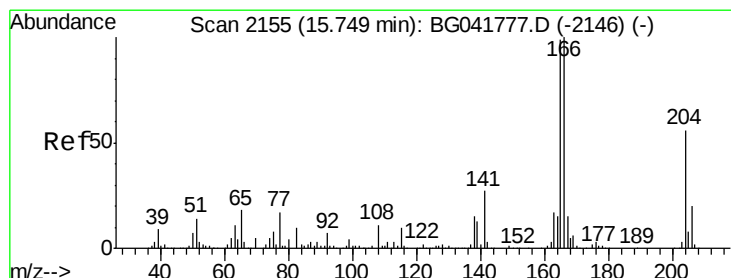
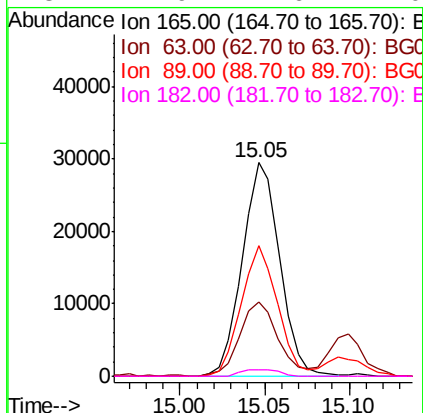
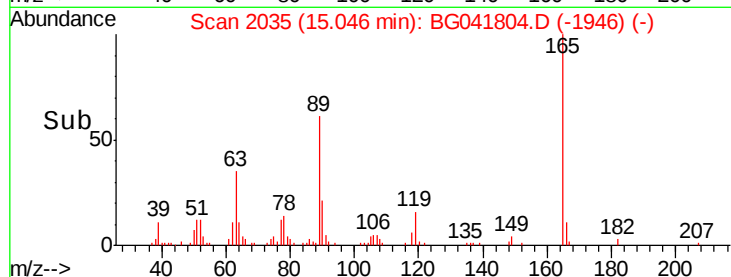
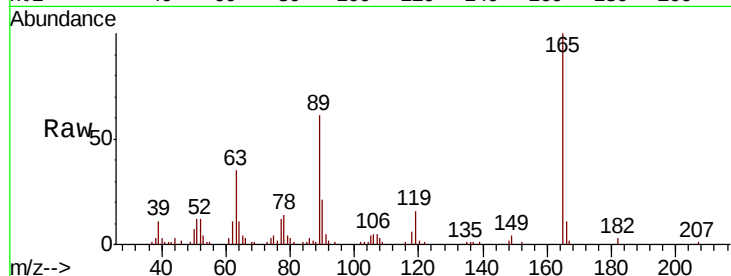




#57
2,4-Dinitrotoluene
Concen: 8.248 ng
RT: 15.05 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

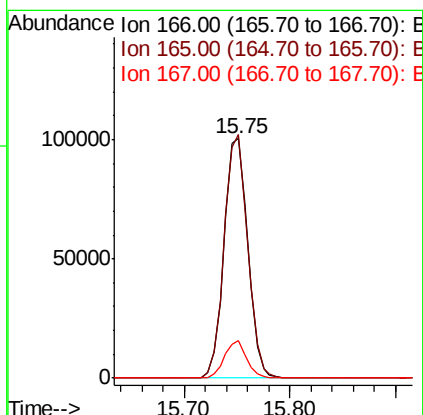
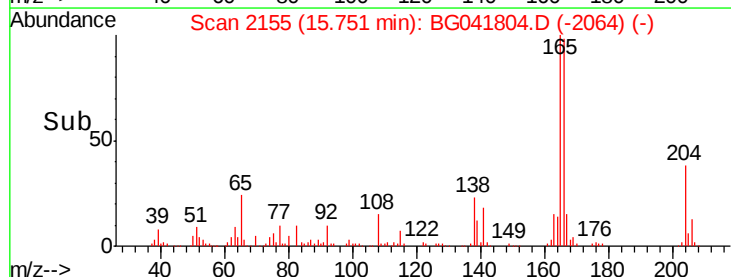
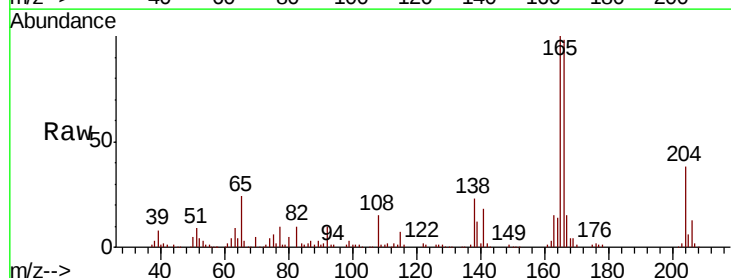
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

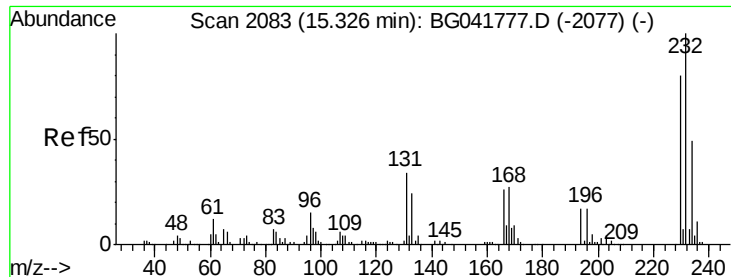
Tgt Ion:165 Resp: 45537
Ion Ratio Lower Upper
165 100
63 34.5 31.7 47.5
89 60.9 50.2 75.4
182 2.9 2.6 4.0



#58
Fluorene
Concen: 8.525 ng
RT: 15.75 min Scan# 2155
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:166 Resp: 156645
Ion Ratio Lower Upper
166 100
165 101.8 80.5 120.7
167 15.6 12.4 18.6

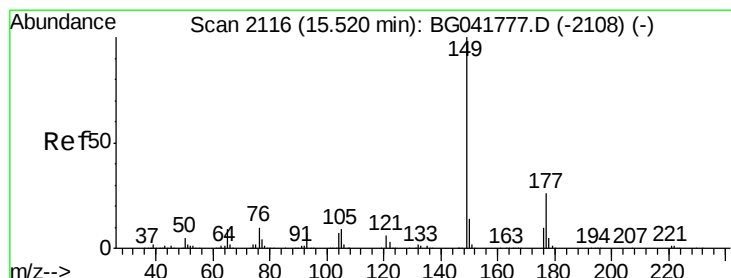
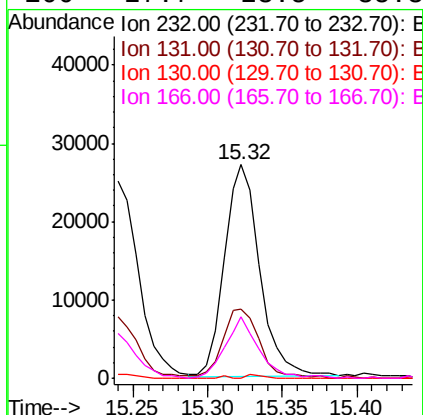
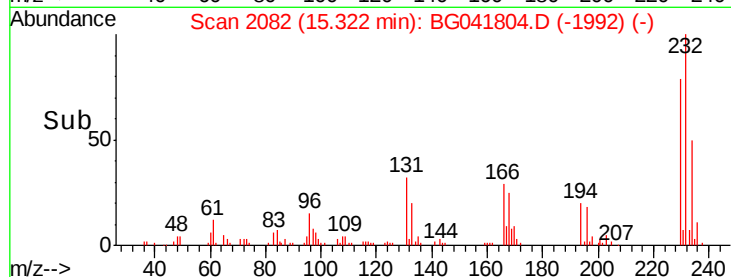
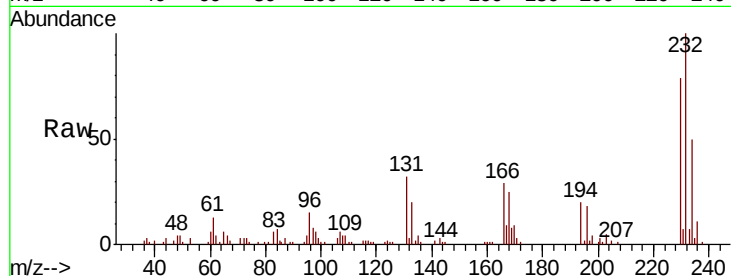




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.729 ng
RT: 15.32 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

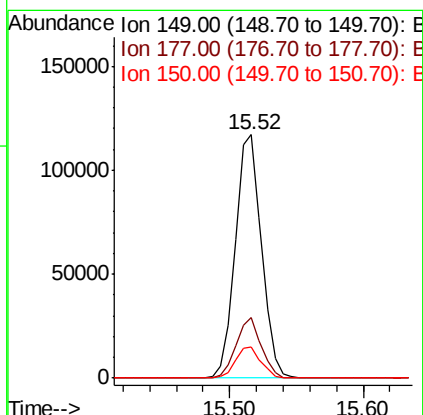
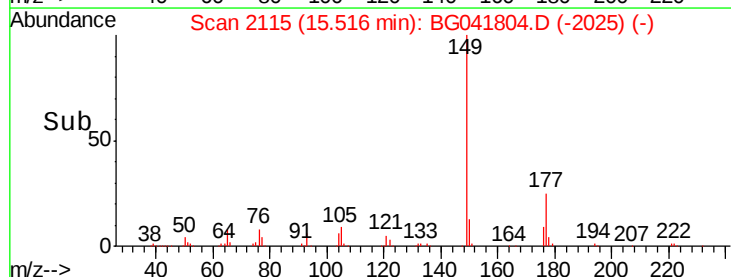
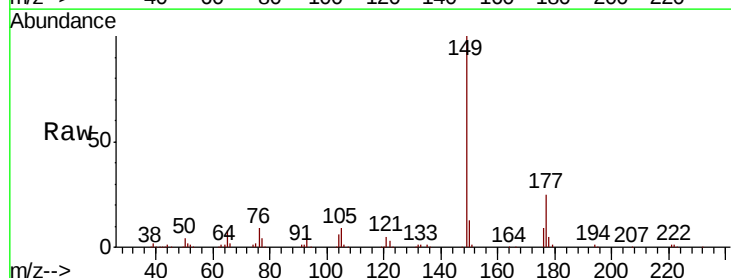
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

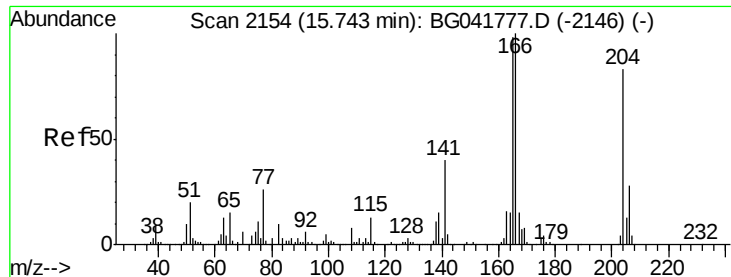
Tgt Ion:232 Resp: 44742
Ion Ratio Lower Upper
232 100
131 34.2 31.8 47.6
130 0.8 1.8 2.8#
166 27.7 23.5 35.3



#60
Diethylphthalate
Concen: 8.471 ng
RT: 15.52 min Scan# 2115
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:149 Resp: 159682
Ion Ratio Lower Upper
149 100
177 25.1 20.7 31.1
150 12.7 11.5 17.3

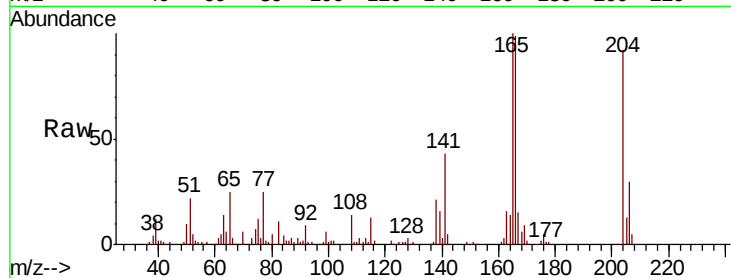




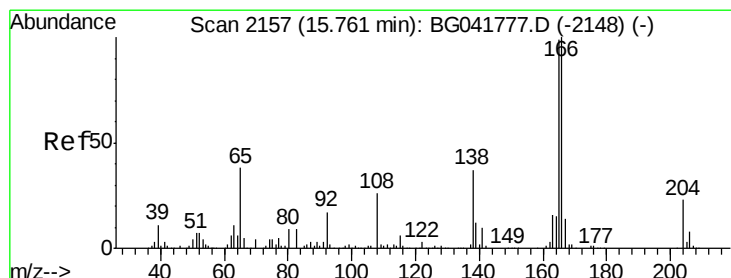
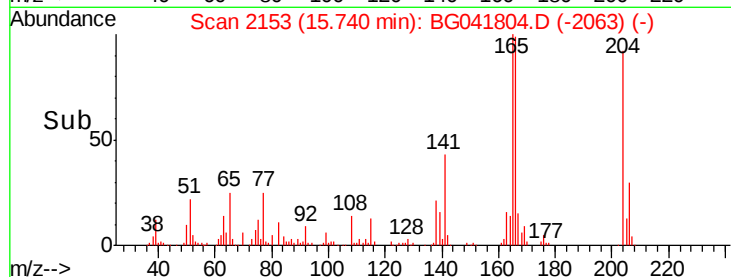
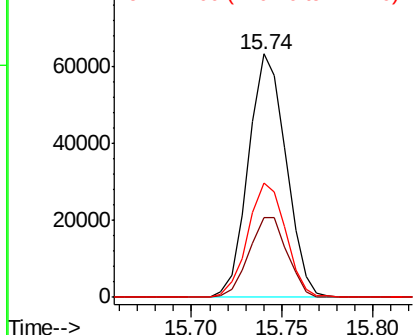
#61
4-Chlorophenyl-phenylether
Concen: 8.141 ng
RT: 15.74 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion: 204 Resp: 91316
Ion Ratio Lower Upper
204 100
206 32.6 28.6 42.8
141 46.7 42.9 64.3

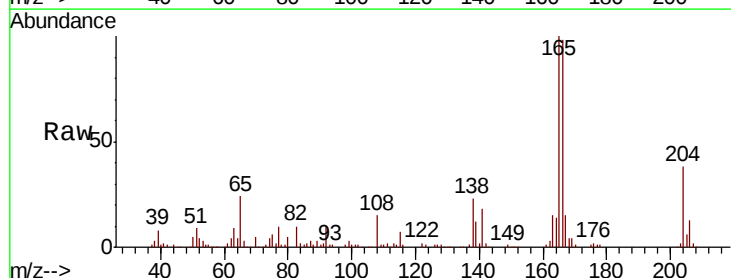


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

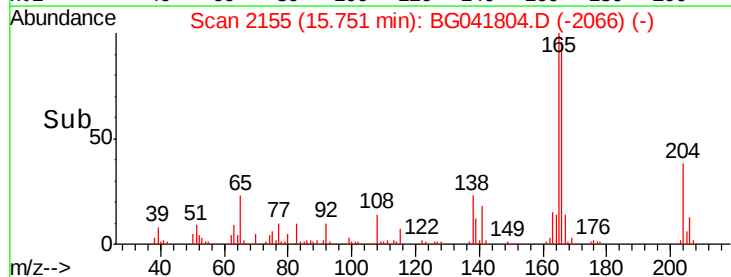
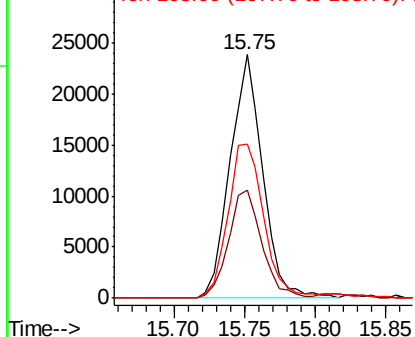


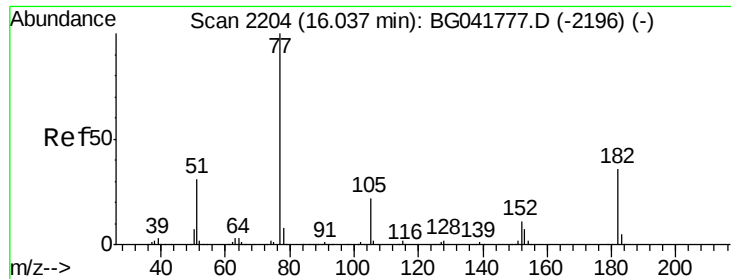
#62
4-Nitroaniline
Concen: 8.198 ng
RT: 15.75 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion: 138 Resp: 38140
Ion Ratio Lower Upper
138 100
92 44.2 29.8 69.8
108 63.5 52.2 92.2



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

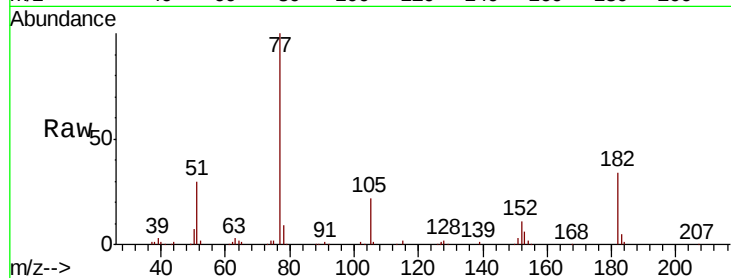




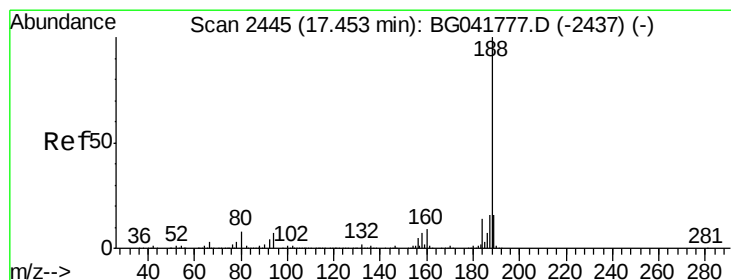
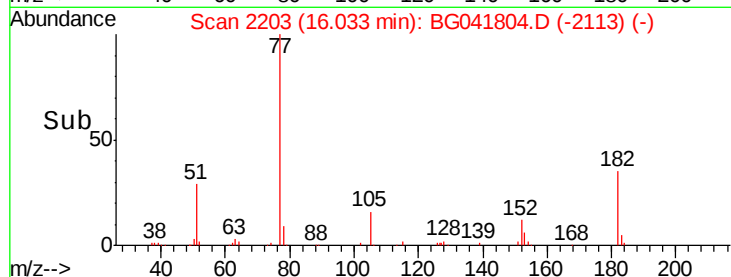
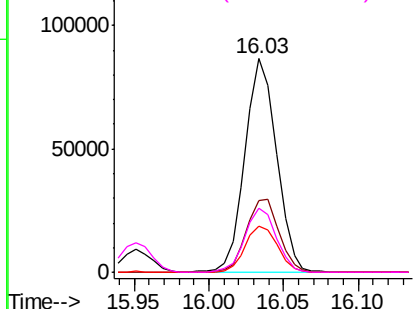
#63
Azobenzene
Concen: 8.261 ng
RT: 16.03 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion	Ratio	Lower	Upper
77	100		
182	33.8	13.2	53.2
105	21.8	2.2	42.2
51	30.3	14.6	54.6

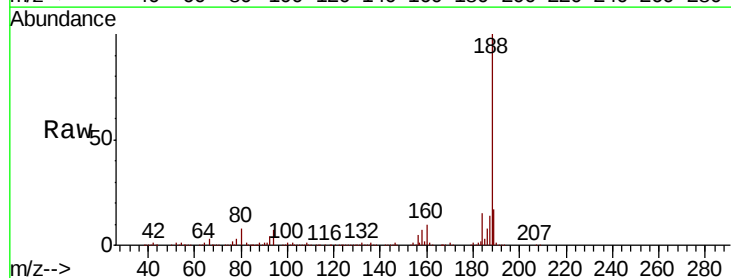


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

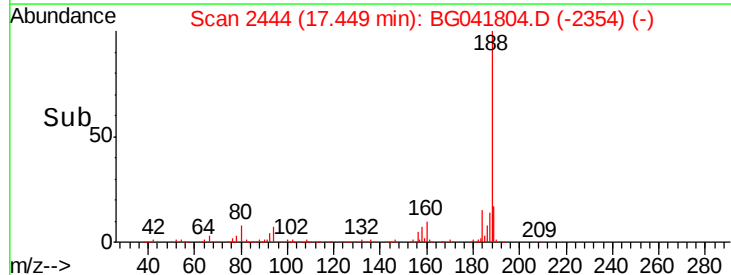
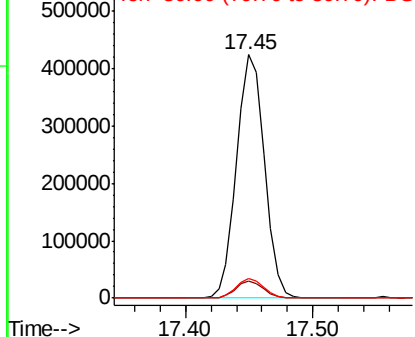


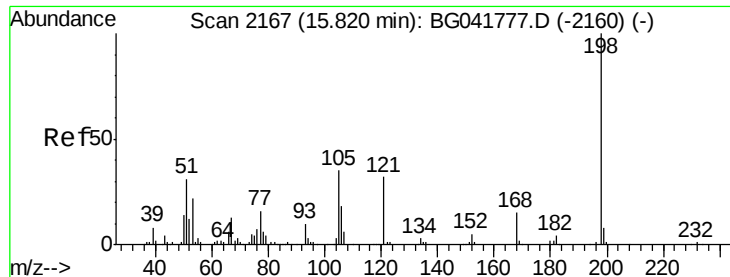
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.9	10.3
80	8.1	8.0	12.0



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: 11.859 ng

RT: 15.82 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

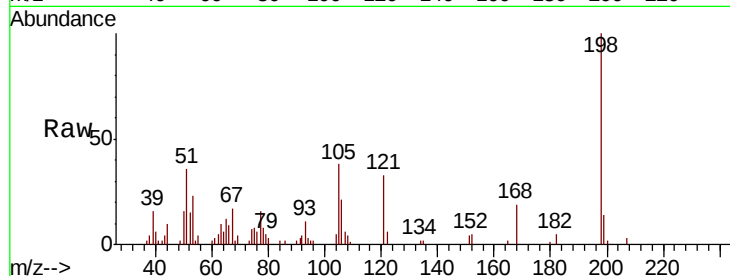
Tgt Ion:198 Resp: 18450

Ion Ratio Lower Upper

198 100

51 36.3 22.3 62.3

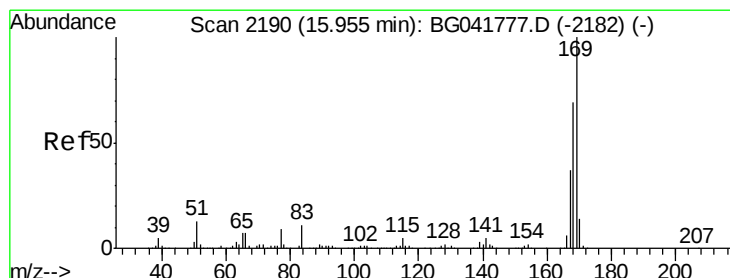
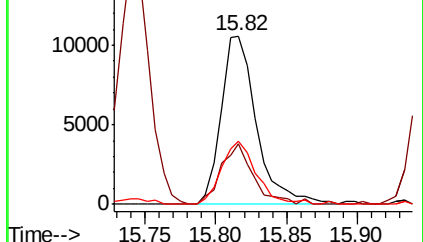
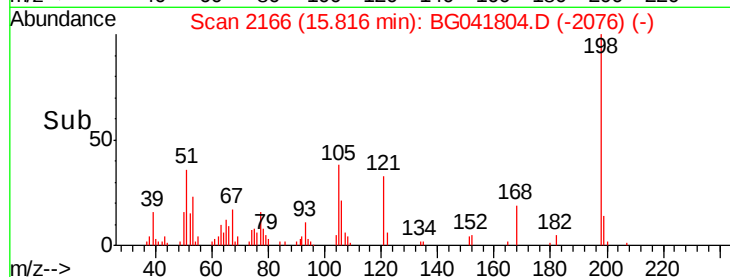
105 37.7 18.0 58.0



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: 8.323 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

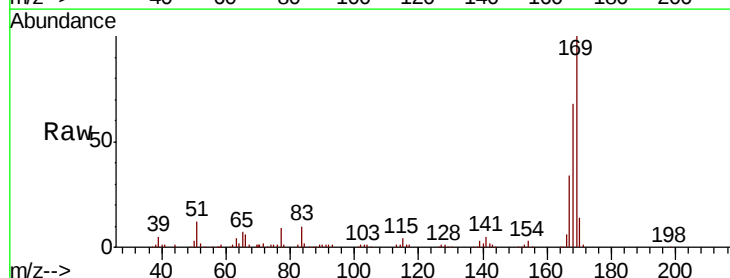
Tgt Ion:169 Resp: 146336

Ion Ratio Lower Upper

169 100

168 68.5 56.9 85.3

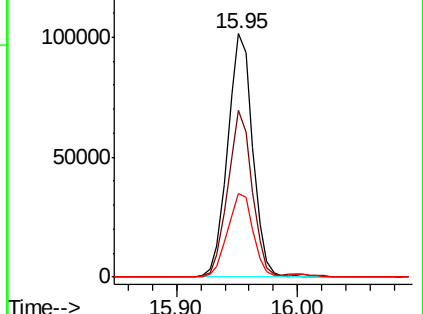
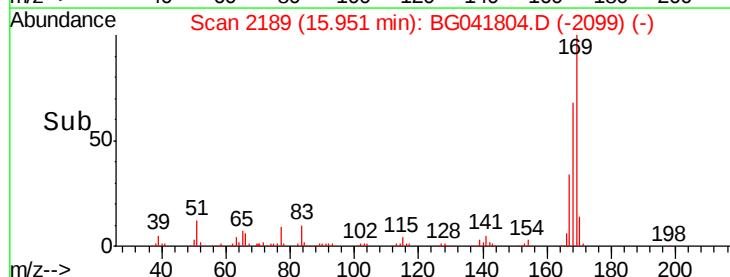
167 34.4 31.5 47.3

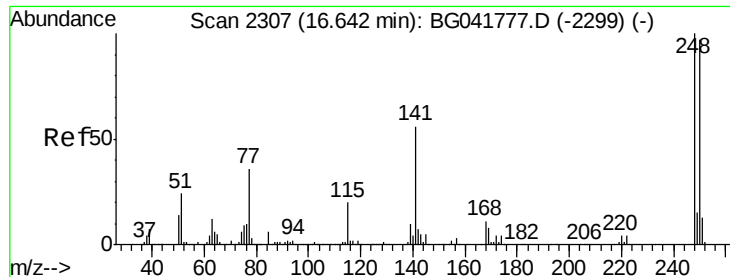


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

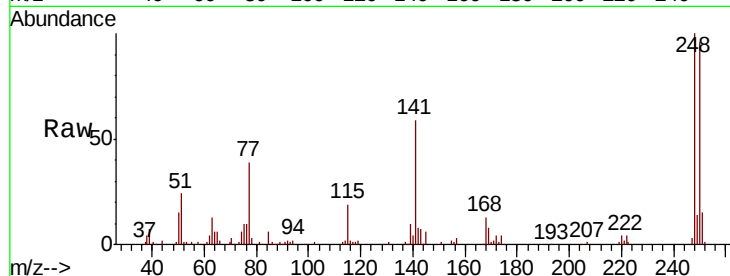




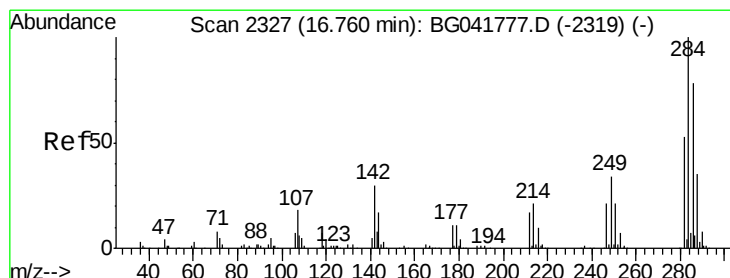
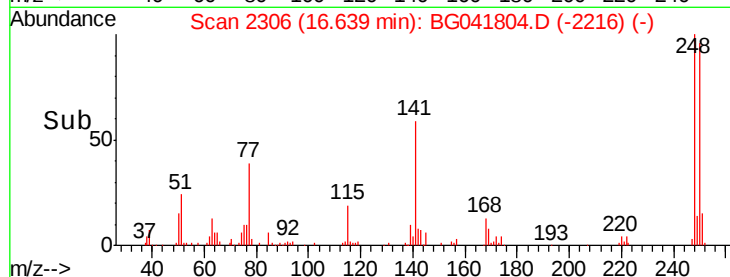
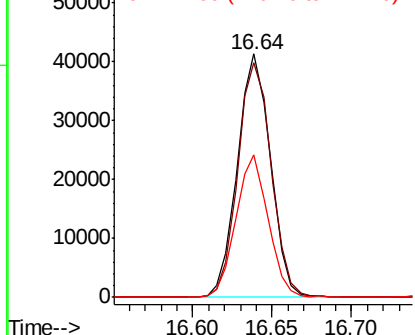
#67
4-Bromophenyl-phenylether
Concen: 7.547 ng
RT: 16.64 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:248 Resp: 60000
Ion Ratio Lower Upper
248 100
250 96.2 78.1 117.1
141 58.8 49.6 74.4

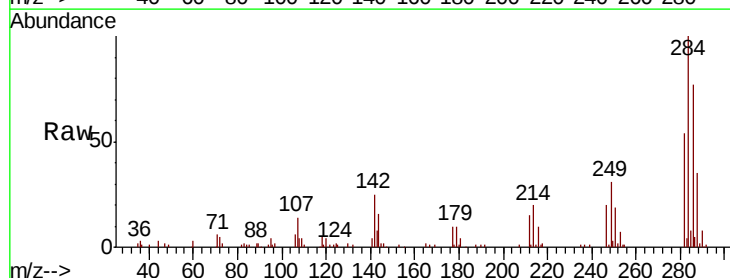


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

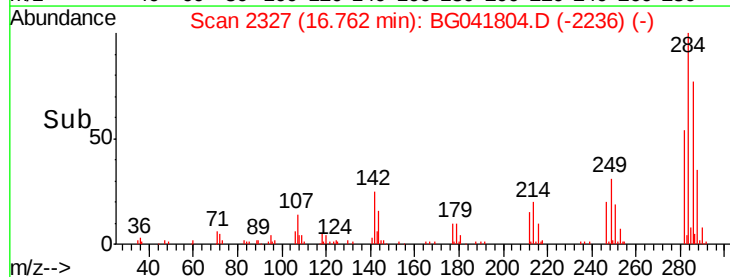
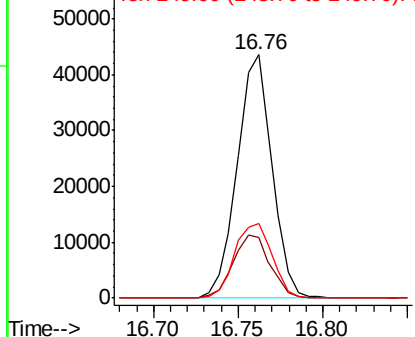


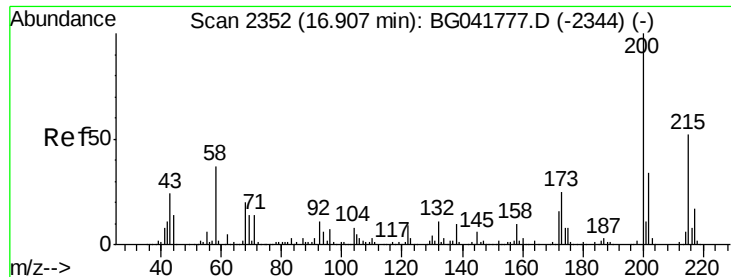
#68
Hexachlorobenzene
Concen: 7.513 ng
RT: 16.76 min Scan# 2327
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:284 Resp: 62493
Ion Ratio Lower Upper
284 100
142 24.8 27.0 40.6#
249 33.8 28.4 42.6



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

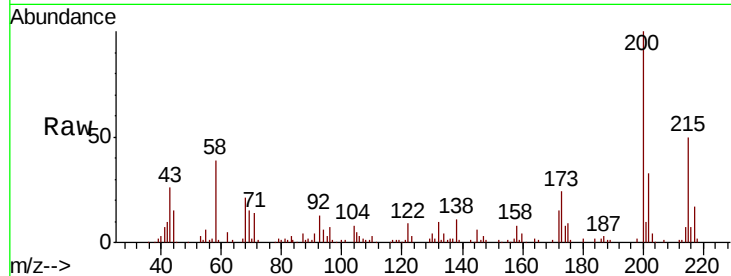




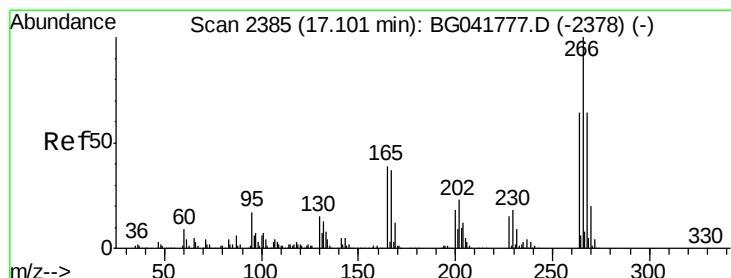
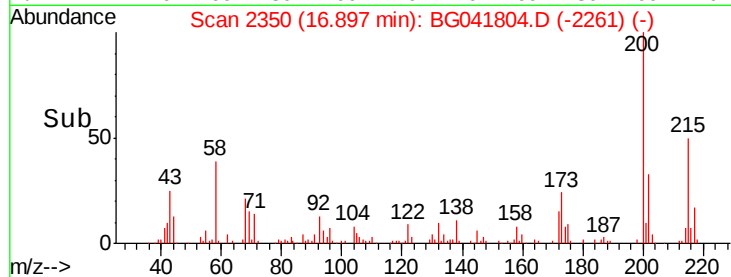
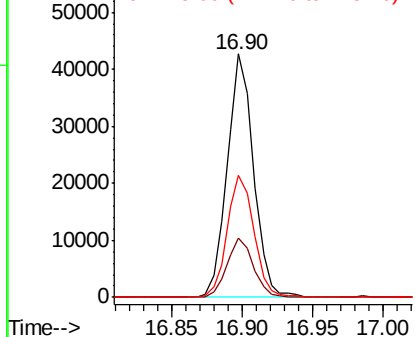
#69
Atrazine
Concen: 8.012 ng
RT: 16.90 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:200 Resp: 55343
Ion Ratio Lower Upper
200 100
173 24.1 5.3 45.3
215 50.0 31.8 71.8

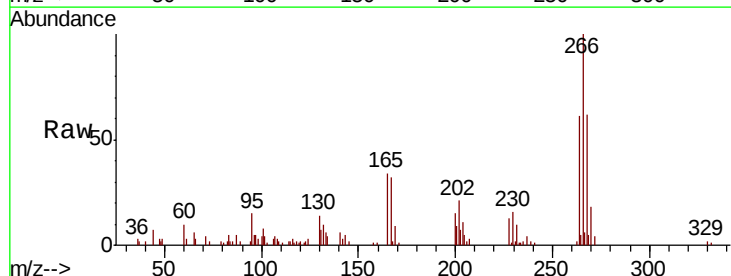


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

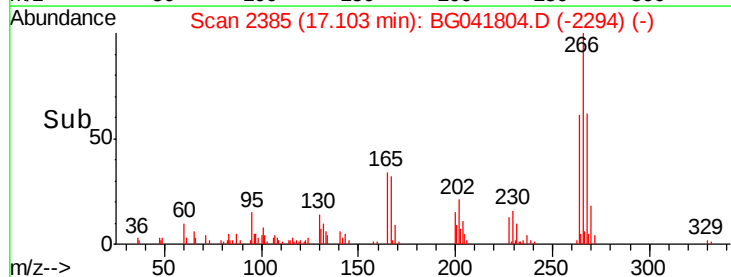
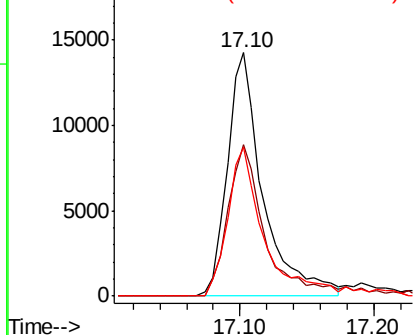


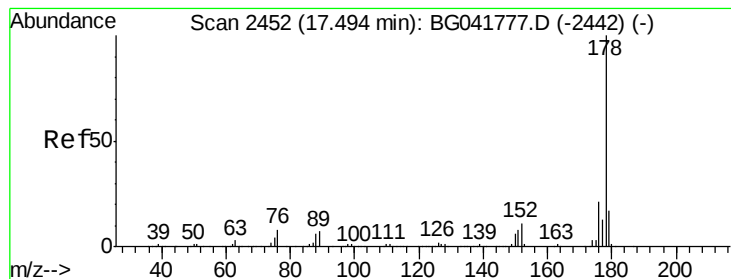
#70
Pentachlorophenol
Concen: 5.615 ng
RT: 17.10 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:266 Resp: 26530
Ion Ratio Lower Upper
266 100
268 67.0 52.9 79.3
264 60.9 51.4 77.2



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





#71

Phenanthrene

Concen: 8.886 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

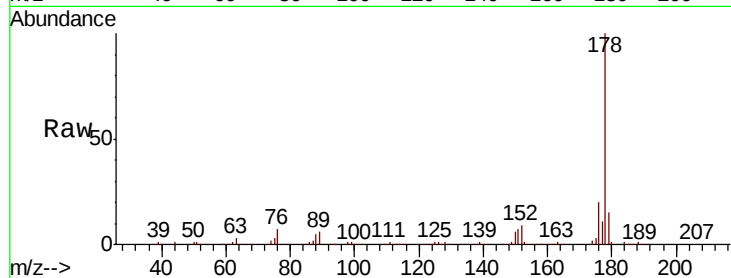
Tgt Ion:178 Resp: 274922

Ion Ratio Lower Upper

178 100

176 19.7 18.6 28.0

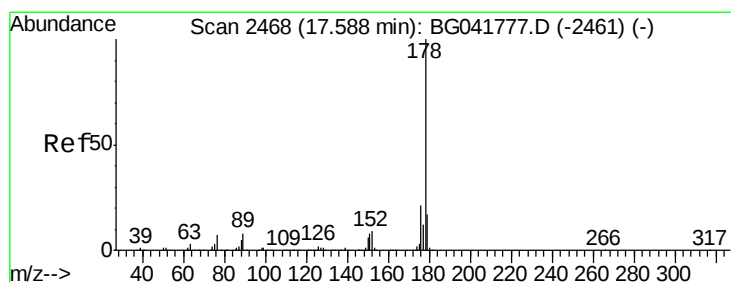
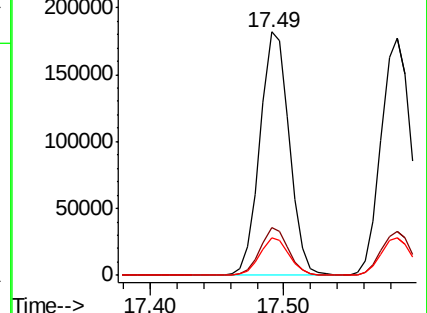
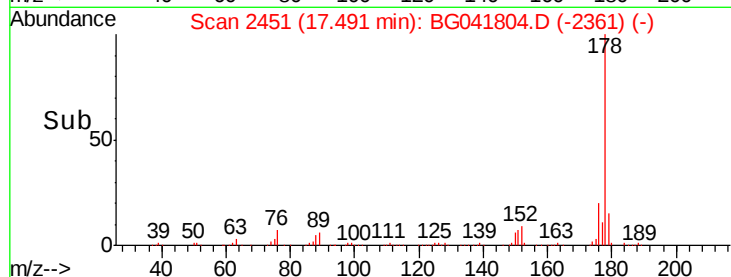
179 15.2 15.4 23.0#



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: 8.910 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.10 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

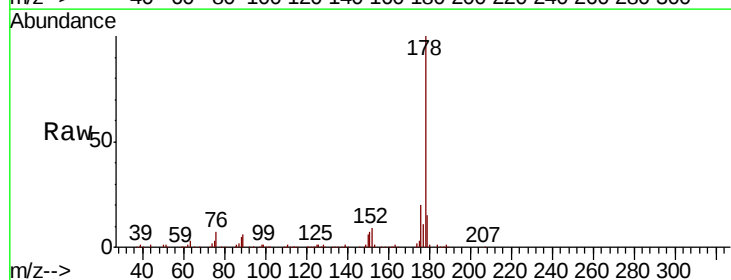
Tgt Ion:178 Resp: 274922

Ion Ratio Lower Upper

178 100

176 19.7 18.6 28.0

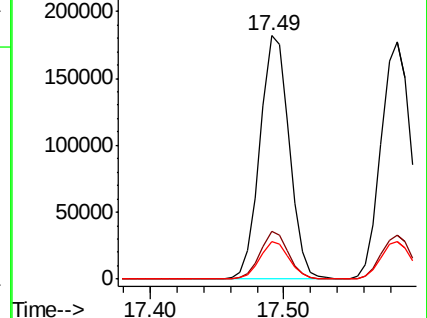
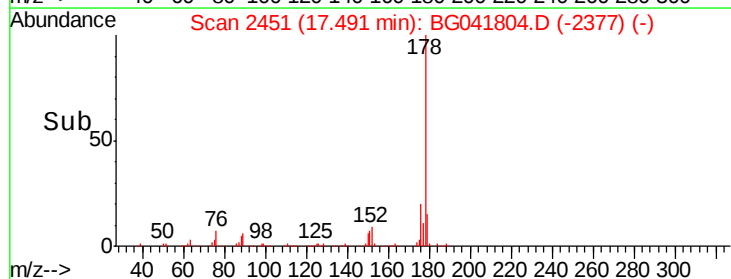
179 15.2 15.1 22.7

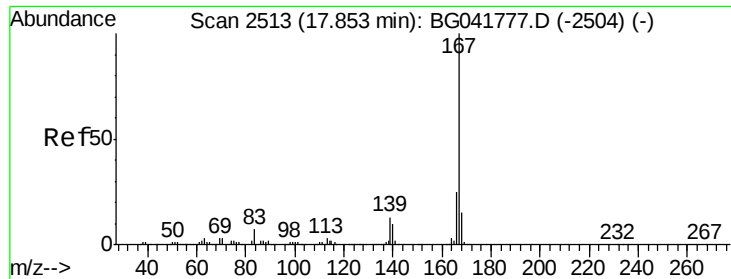


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

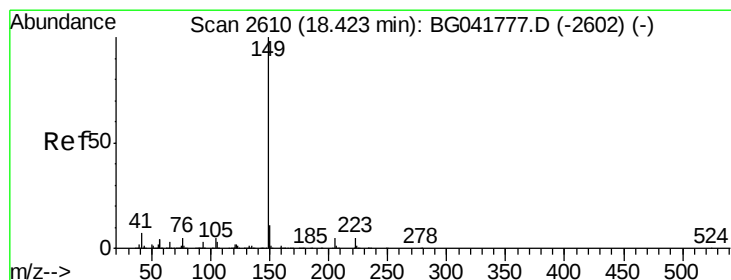
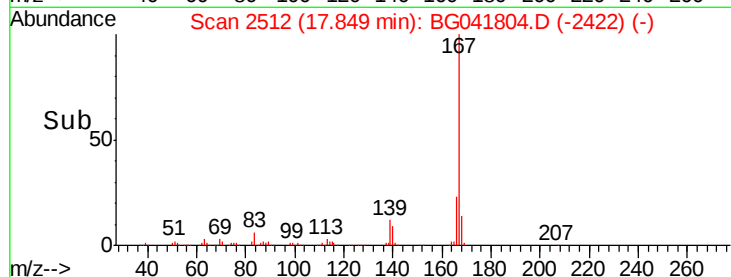
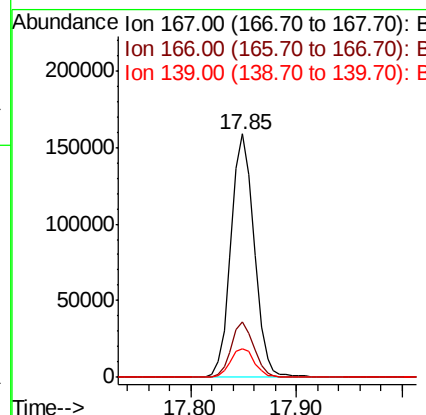
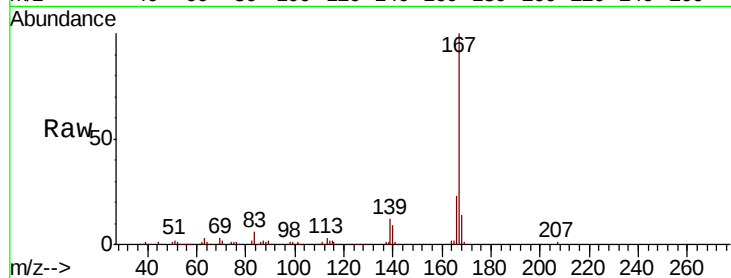




#73
 Carbazole
 Concen: 8.737 ng
 RT: 17.85 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

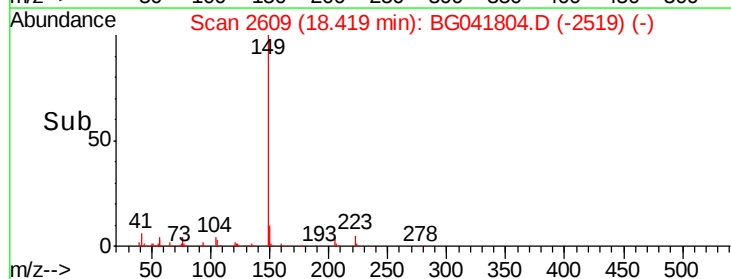
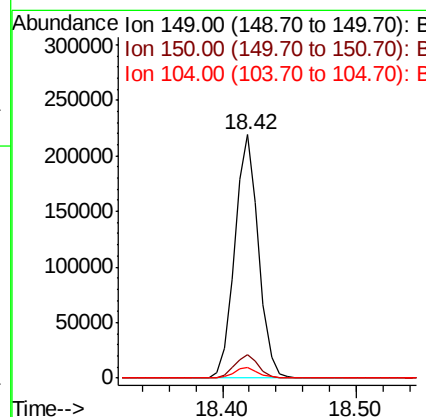
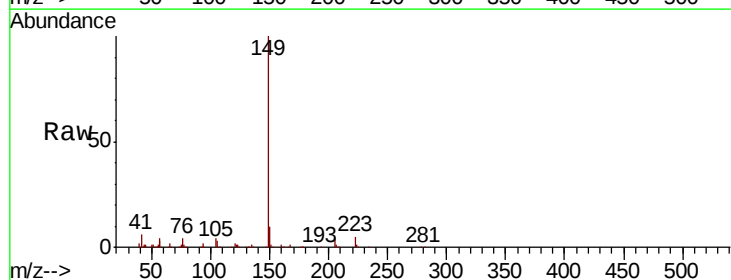
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

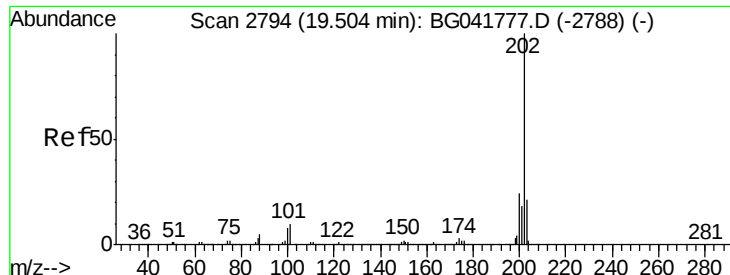
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	21.4	32.2
139	11.9	12.1	18.1#



#74
 Di-n-butylphthalate
 Concen: 8.671 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. -0.00 min
 Lab File: BG041804.D
 Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	10.2	15.2#
104	4.2	5.3	7.9#





#75

Fluoranthene

Concen: 9.231 ng

RT: 19.50 min Scan# 2793

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

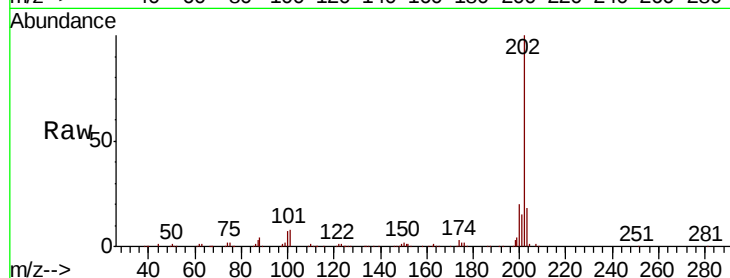
Tgt Ion:202 Resp: 347130

Ion Ratio Lower Upper

202 100

101 8.3 0.0 32.8

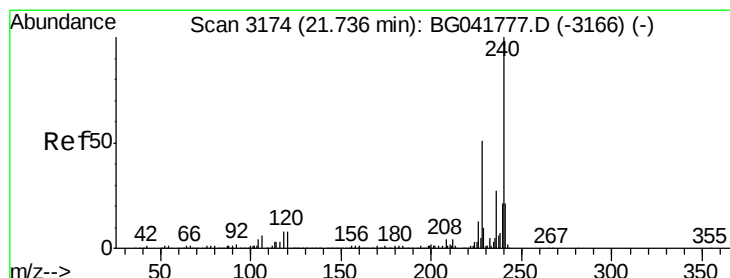
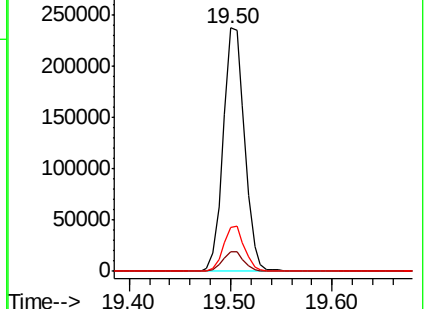
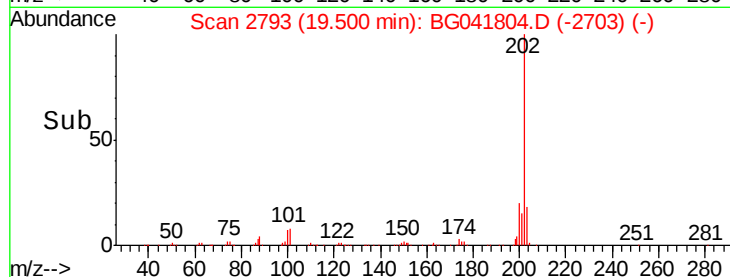
203 17.9 3.7 43.7



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: 21.73 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

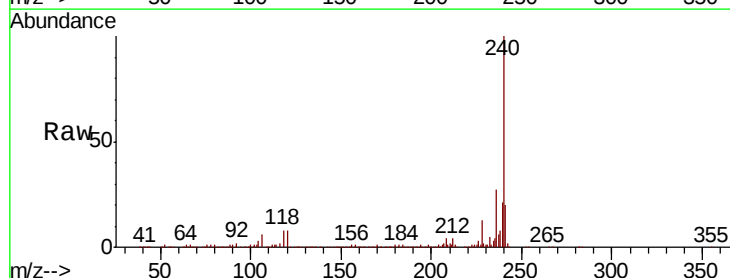
Tgt Ion:240 Resp: 656890

Ion Ratio Lower Upper

240 100

120 7.9 8.0 12.0#

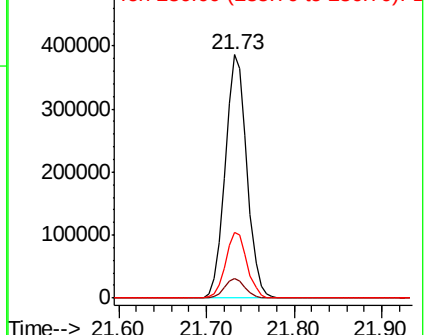
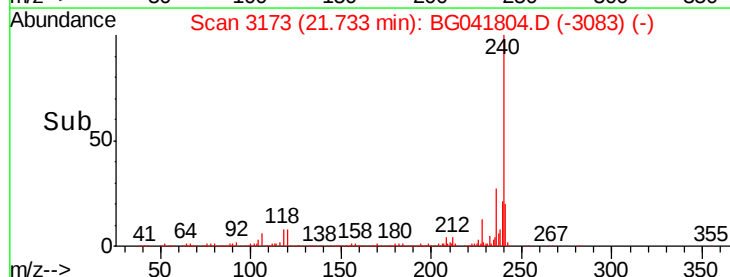
236 26.8 22.6 33.8

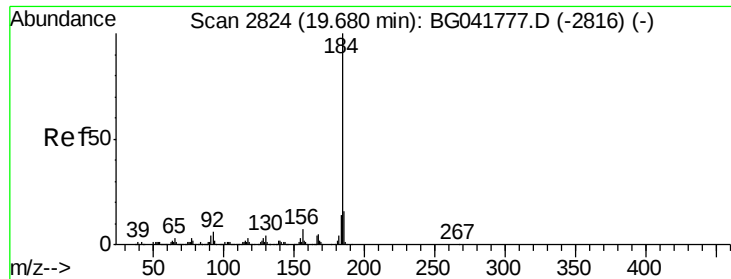


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.760 ng

RT: 19.68 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

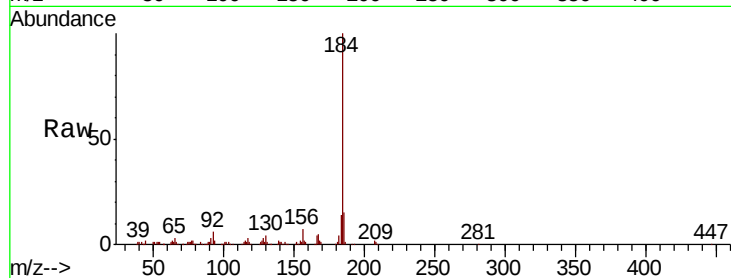
Tgt Ion:184 Resp: 144939

Ion Ratio Lower Upper

184 100

185 14.6 13.0 19.4

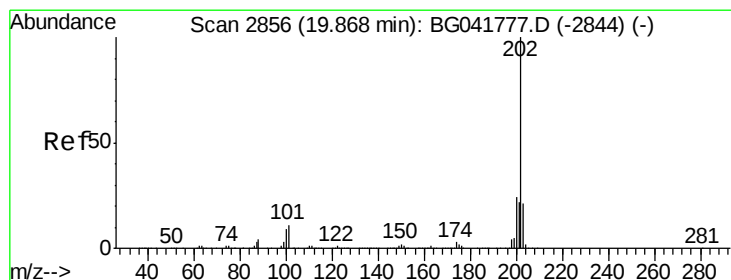
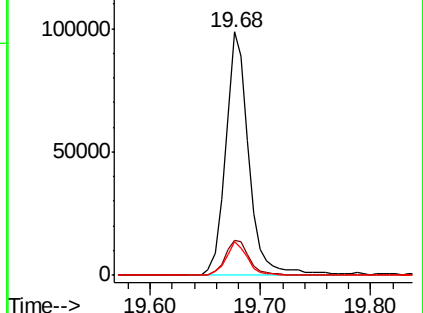
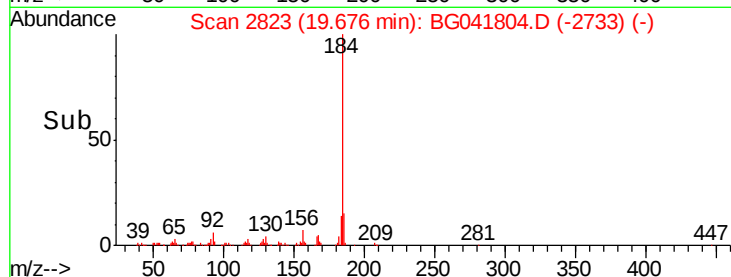
183 14.0 11.8 17.6



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: 9.228 ng

RT: 19.86 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

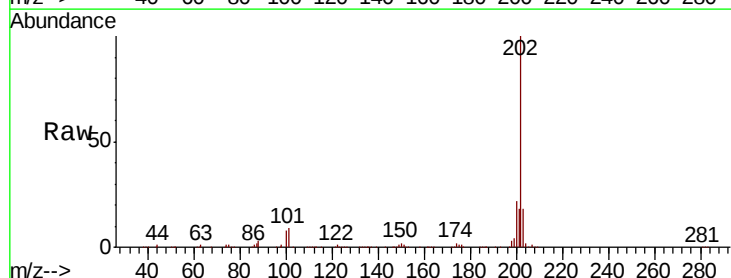
Tgt Ion:202 Resp: 359156

Ion Ratio Lower Upper

202 100

200 21.5 22.2 33.2#

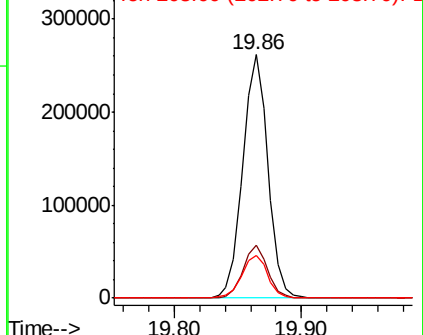
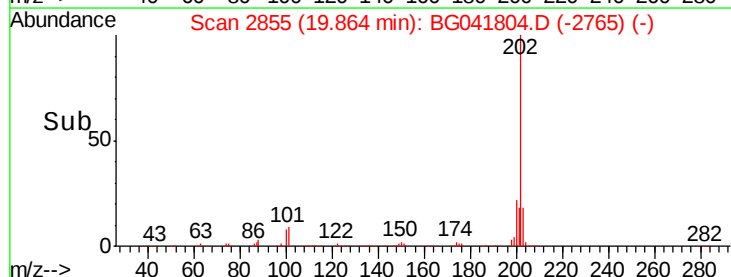
203 17.7 18.9 28.3#

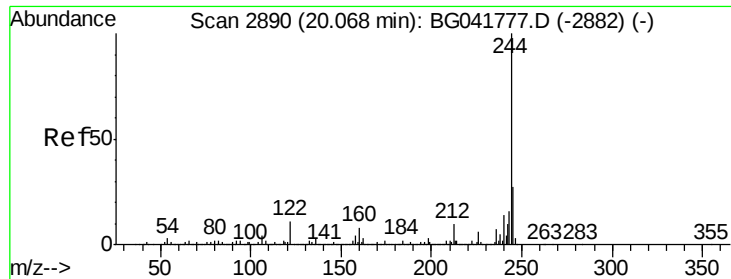


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.384 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

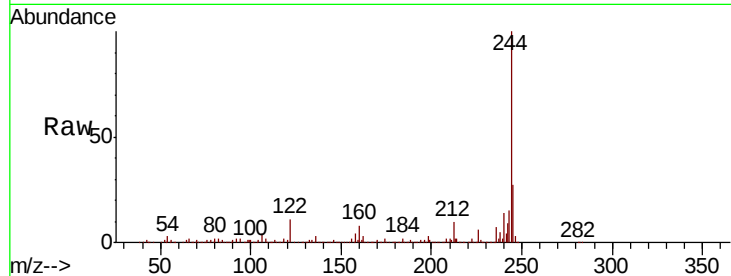
Tgt Ion:244 Resp: 2135330

Ion Ratio Lower Upper

244 100

212 9.6 9.7 14.5#

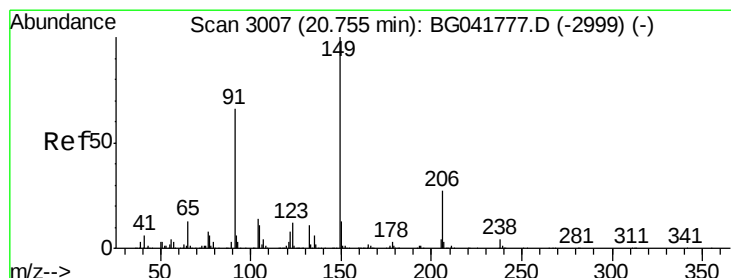
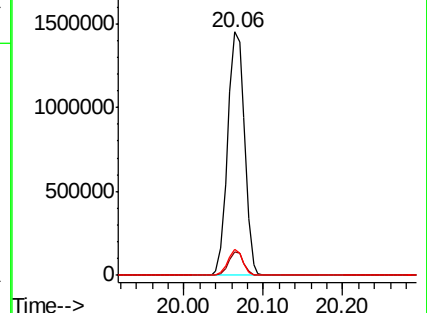
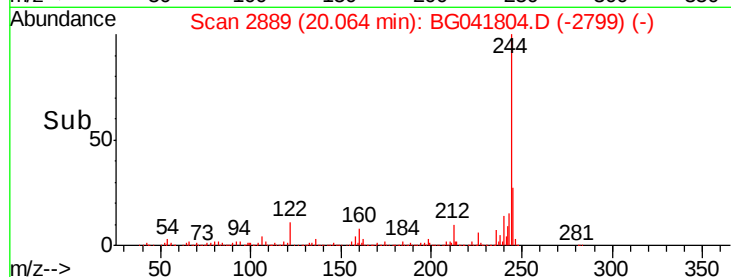
122 10.8 12.5 18.7#



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: 7.657 ng

RT: 20.75 min Scan# 3006

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

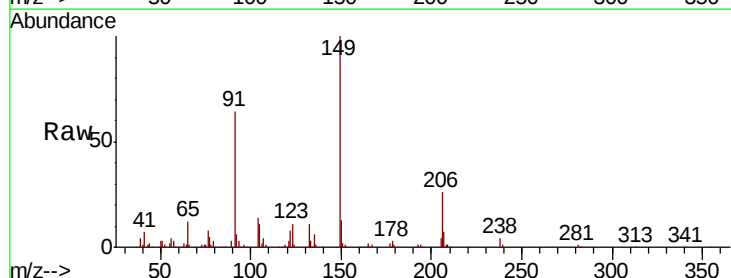
Tgt Ion:149 Resp: 114252

Ion Ratio Lower Upper

149 100

91 64.0 58.9 88.3

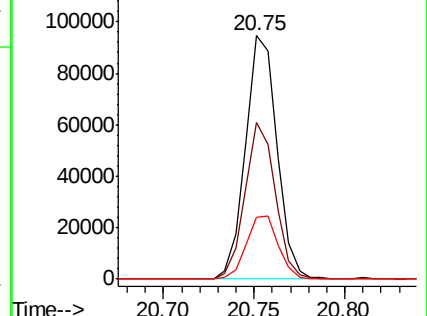
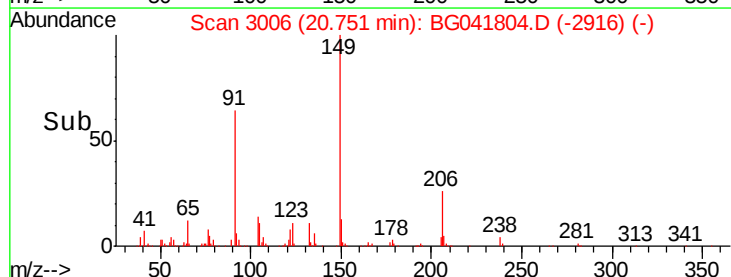
206 25.6 20.8 31.2

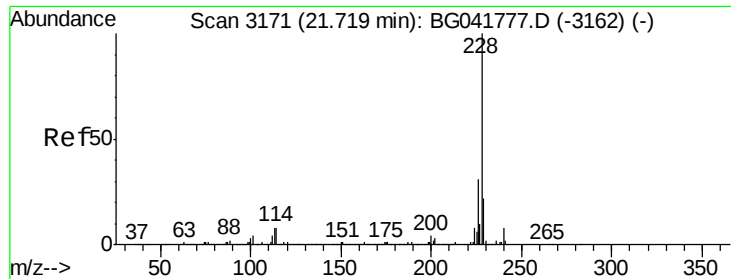


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

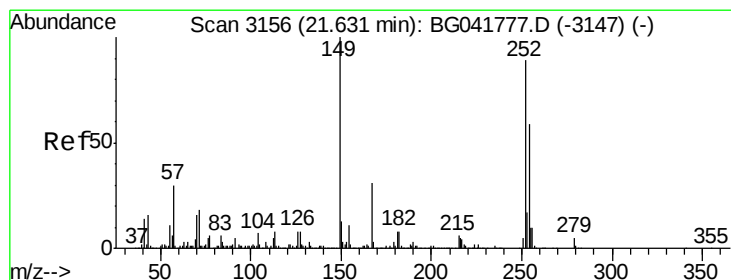
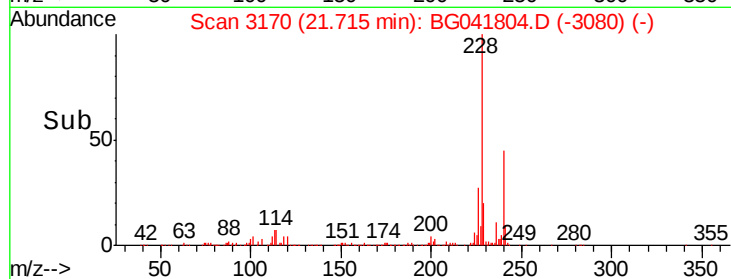
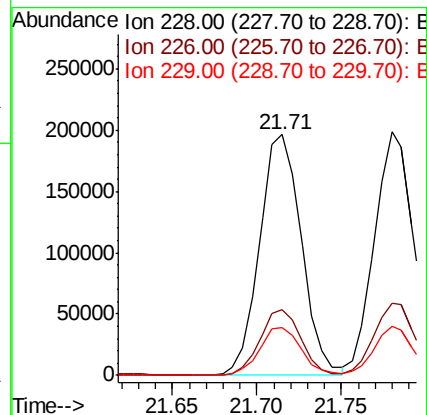
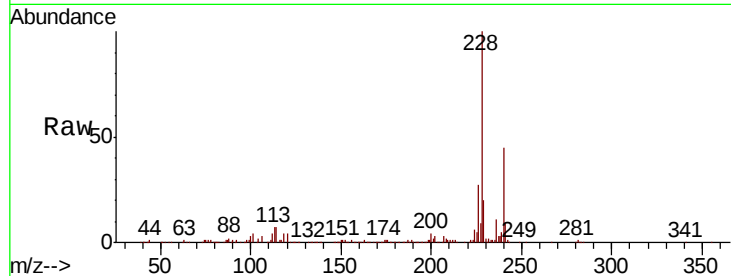




#81
Benzo(a)anthracene
Concen: 8.702 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

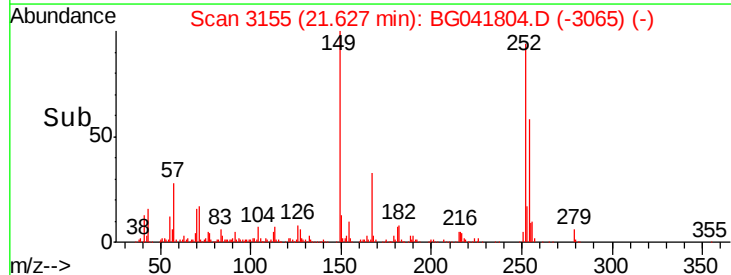
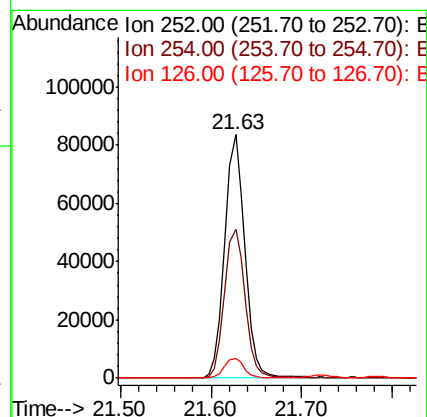
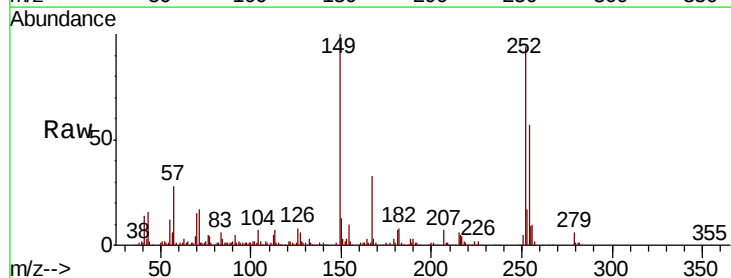
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

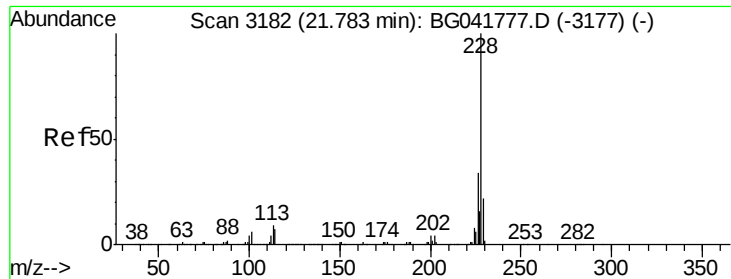
Tgt Ion: 228 Resp: 338180
Ion Ratio Lower Upper
228 100
226 27.3 27.3 40.9
229 20.0 19.7 29.5



#82
3,3'-Dichlorobenzidine
Concen: 8.314 ng
RT: 21.63 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion: 252 Resp: 129727
Ion Ratio Lower Upper
252 100
254 61.2 53.8 80.6
126 8.1 7.8 11.8





#83

Chrysene

Concen: 8.641 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

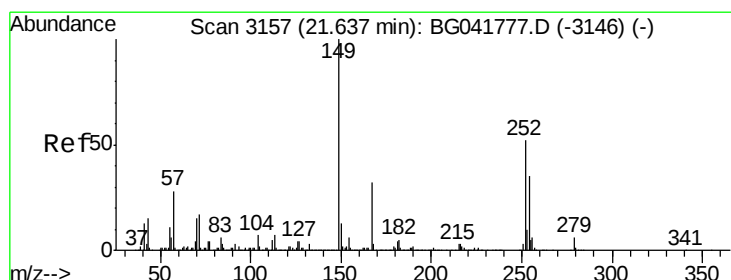
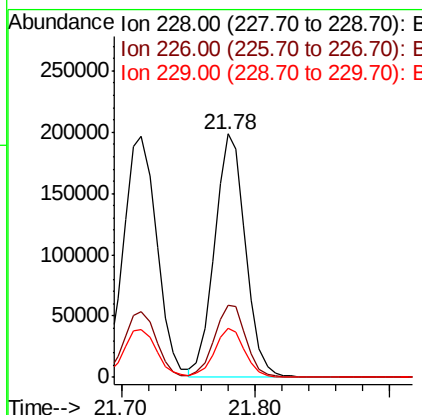
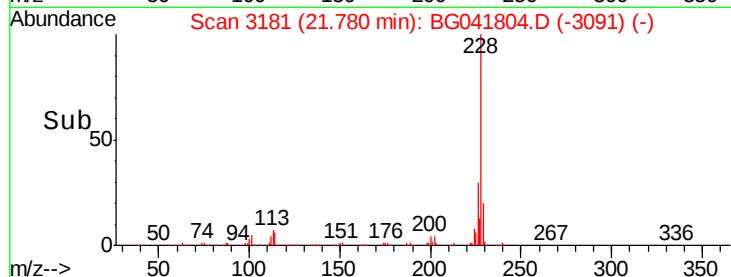
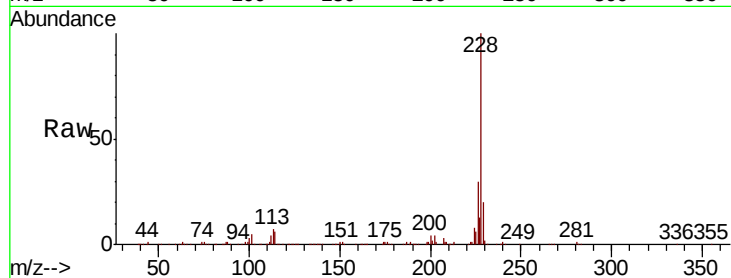
Tgt Ion:228 Resp: 321901

Ion Ratio Lower Upper

228 100

226 29.8 30.1 45.1#

229 20.1 19.8 29.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.077 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

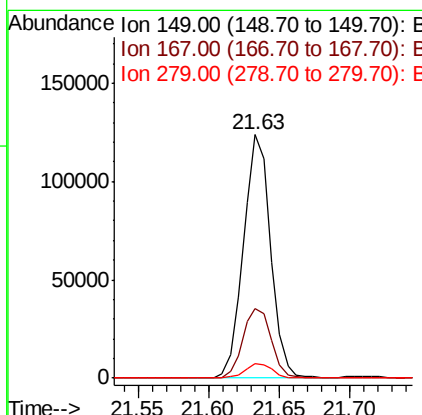
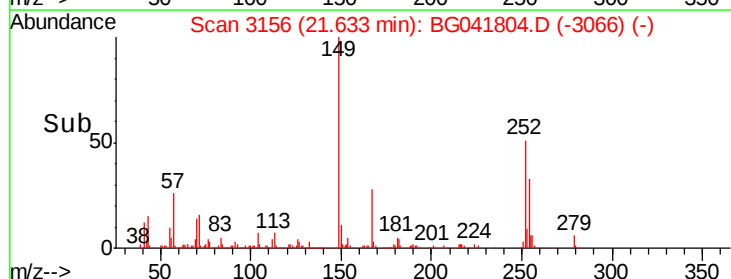
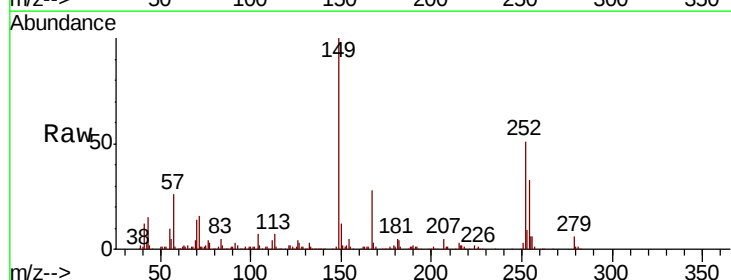
Tgt Ion:149 Resp: 166245

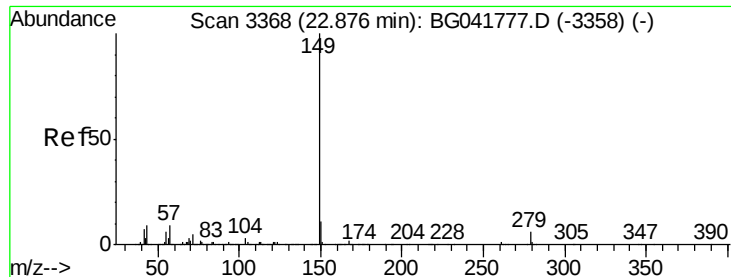
Ion Ratio Lower Upper

149 100

167 28.4 27.0 40.4

279 6.1 5.0 7.6





#85

Di-n-octyl phthalate

Concen: 8.124 ng

RT: 22.87 min Scan# 3367

Delta R.T. -0.00 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

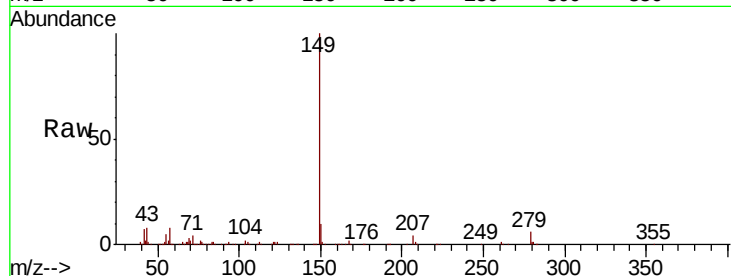
Tgt Ion:149 Resp: 281419

Ion Ratio Lower Upper

149 100

167 1.7 1.6 2.4

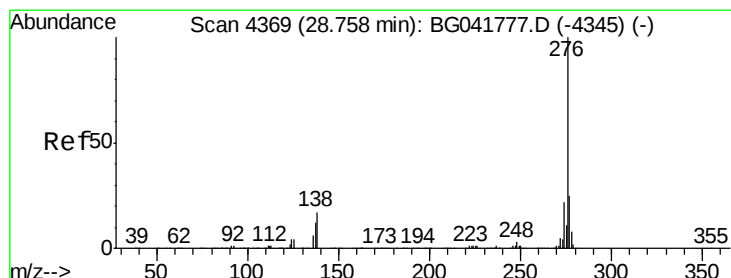
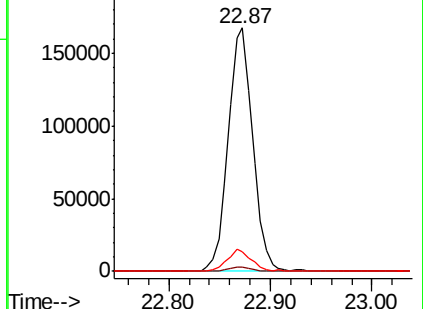
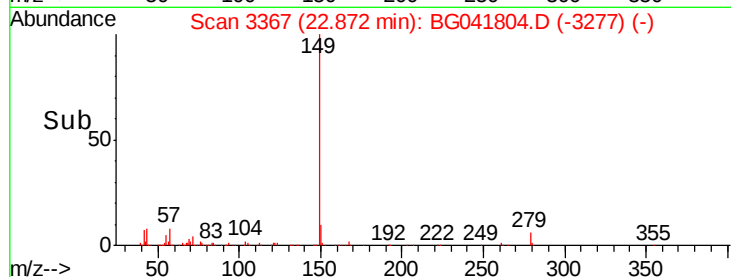
43 8.8 10.6 16.0#



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: 7.542 ng

RT: 28.74 min Scan# 4365

Delta R.T. -0.02 min

Lab File: BG041804.D

Acq: 30 Jul 2019 16:37

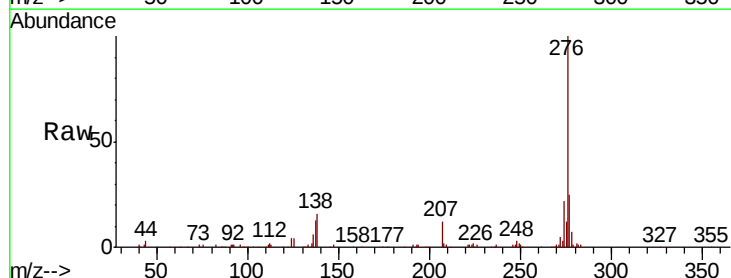
Tgt Ion:276 Resp: 371943

Ion Ratio Lower Upper

276 100

138 11.6 19.4 29.0#

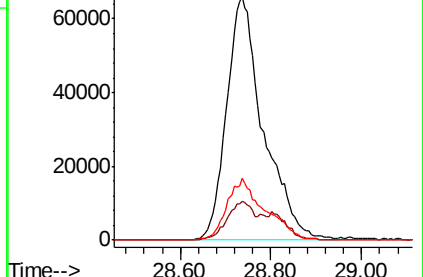
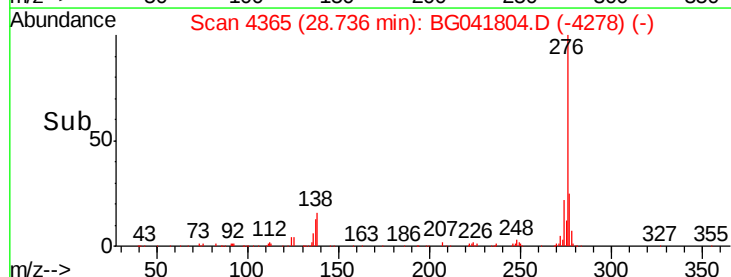
277 26.0 21.2 31.8

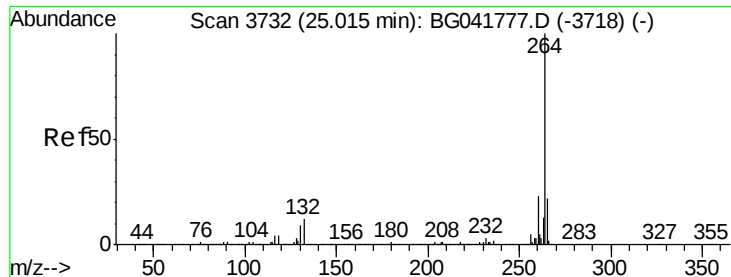


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

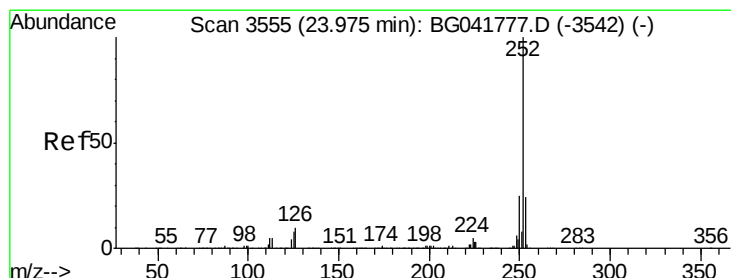
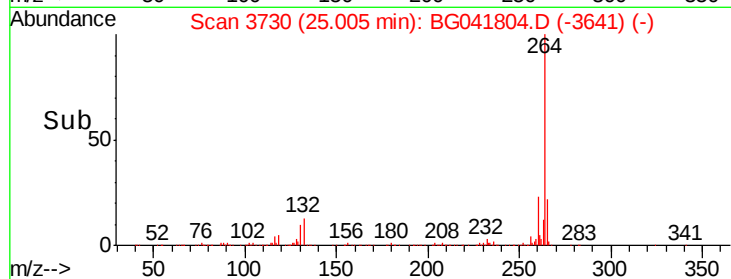
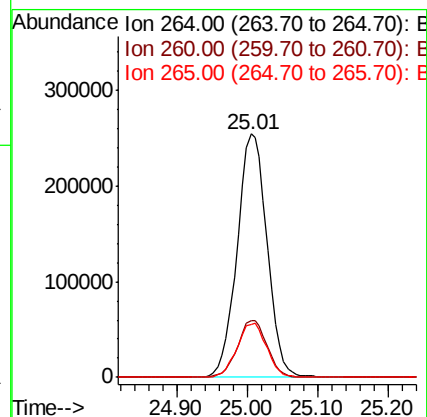
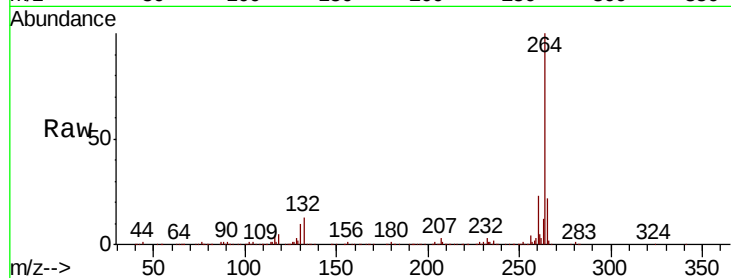




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3730
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

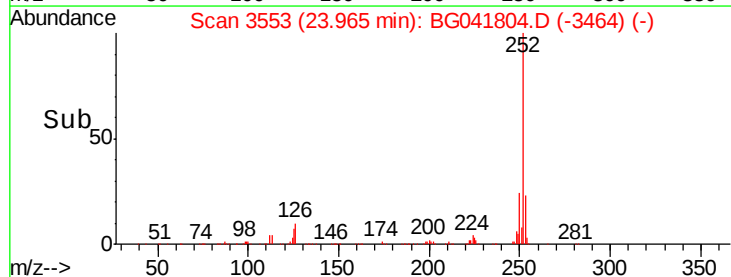
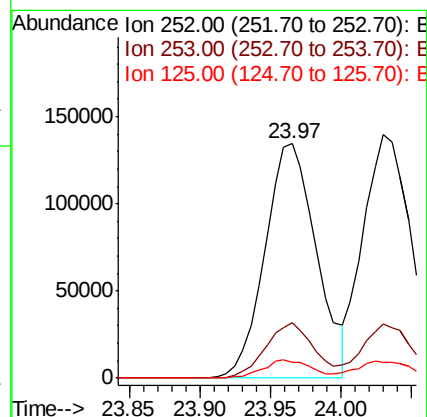
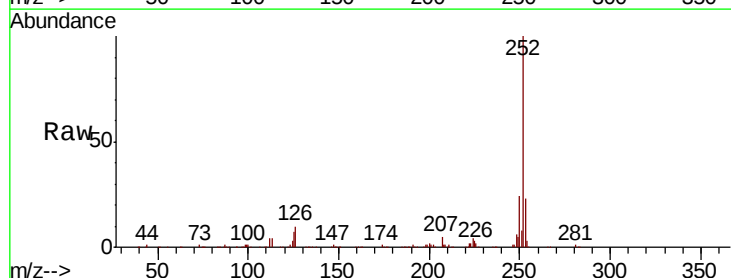
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

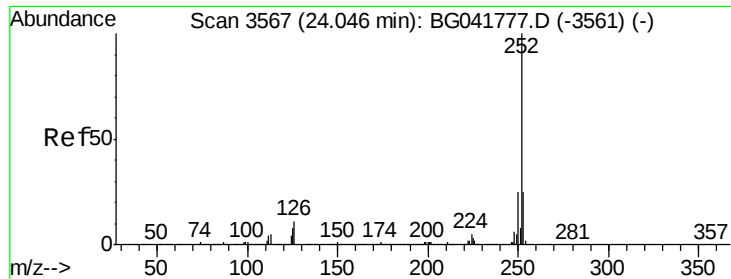
Tgt Ion:264 Resp: 749823
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.9 18.0 27.0



#88
Benzo(b)fluoranthene
Concen: 8.341 ng
RT: 23.97 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:252 Resp: 342155
Ion Ratio Lower Upper
252 100
253 23.5 20.6 30.8
125 6.9 8.0 12.0#

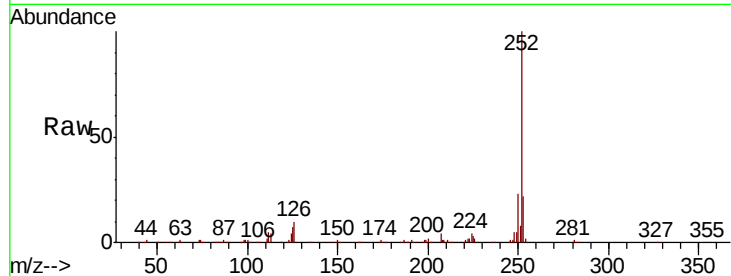




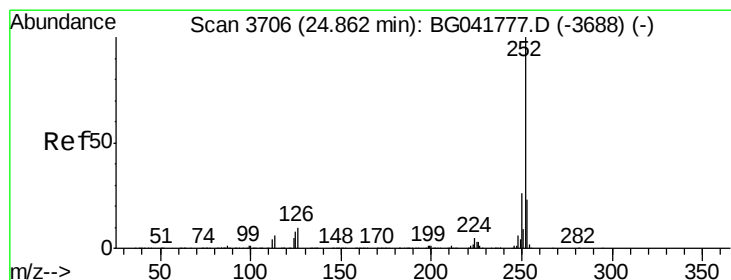
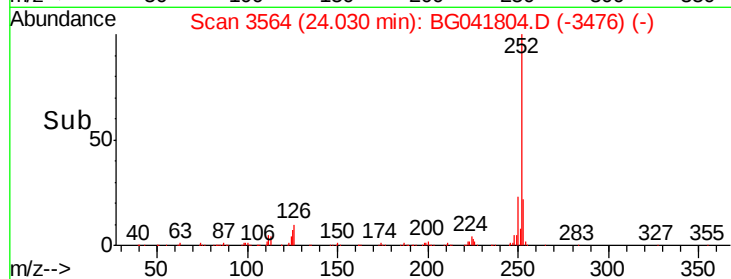
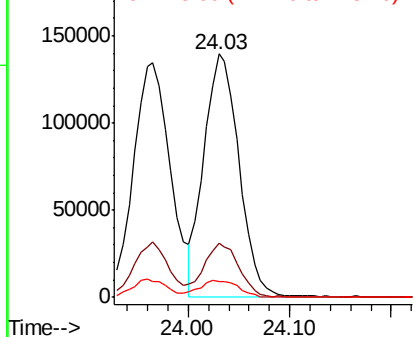
#89
Benzo(k)fluoranthene
Concen: 8.344 ng
RT: 24.03 min Scan# 3564
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:252 Resp: 333381
Ion Ratio Lower Upper
252 100
253 22.3 20.5 30.7
125 6.7 8.4 12.6#

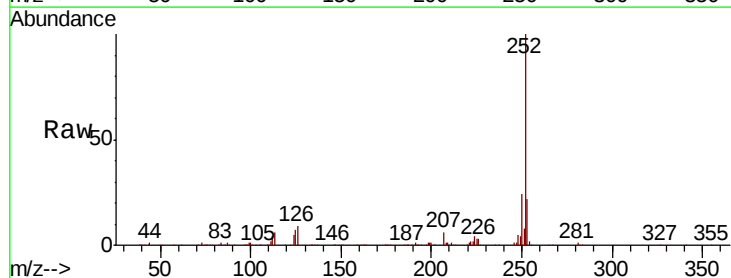


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

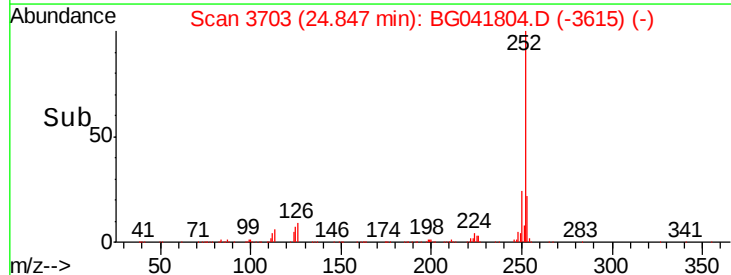
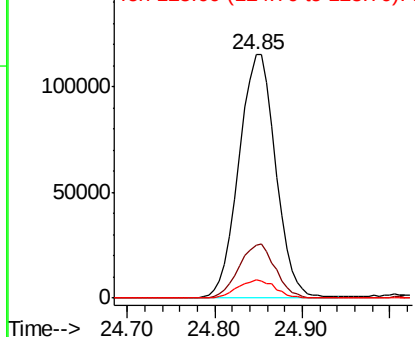


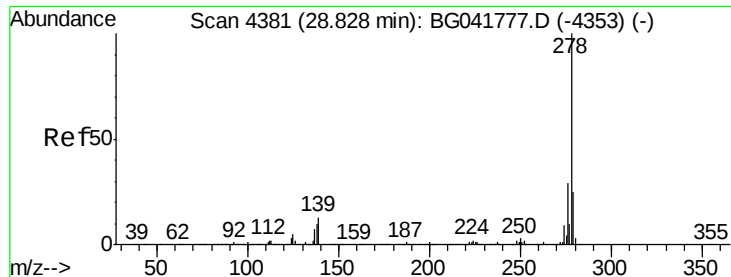
#90
Benzo(a)pyrene
Concen: 8.401 ng
RT: 24.85 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion:252 Resp: 330494
Ion Ratio Lower Upper
252 100
253 21.8 19.8 29.8
125 7.5 8.8 13.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

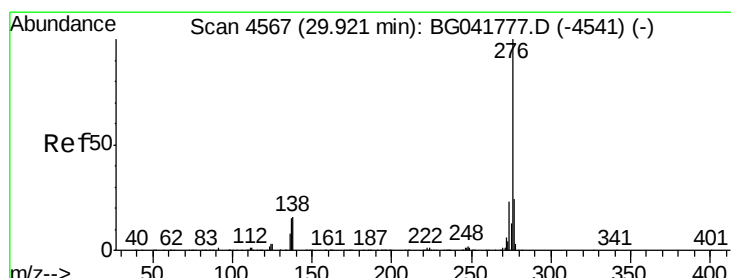
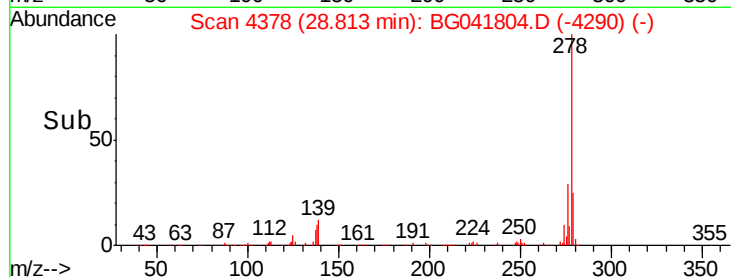
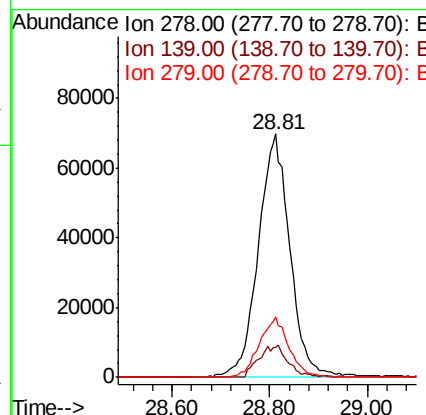
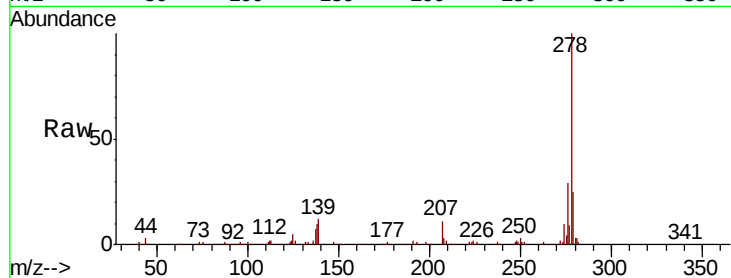




#91
Dibenzo(a,h)anthracene
Concen: 8.134 ng
RT: 28.81 min Scan# 4378
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.0	12.6	19.0#
279	24.7	20.5	30.7



#92
Benzo(g,h,i)perylene
Concen: 7.833 ng
RT: 29.90 min Scan# 4563
Delta R.T. -0.02 min
Lab File: BG041804.D
Acq: 30 Jul 2019 16:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	15.4	16.6	25.0#

