

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
 Data File : BG041788.D
 Acq On : 29 Jul 2019 14:27
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Quant Time: Jul 30 07:38:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 29 12:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	92945	20.00	ng	0.02
21) Naphthalene-d8	10.88	136	398284	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	295513	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	664929	20.00	ng	0.00
76) Chrysene-d12	21.74	240	674512	20.00	ng	0.00
87) Perylene-d12	25.02	264	764791	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	485055	101.54	ng	0.02
7) Phenol-d6	7.21	99	652172	101.26	ng	0.02
23) Nitrobenzene-d5	9.23	82	489649	84.60	ng	0.02
42) 2,4,6-Tribromophenol	16.20	330	350177	104.32	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	1359475	81.14	ng	0.00
79) Terphenyl-d14	20.07	244	2155607	73.13	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.49	88	18853	8.385	ng	93
3) Pyridine	3.89	79	39172	6.353	ng	92
4) n-Nitrosodimethylamine	3.80	42	17057	6.978	ng	# 86
6) Aniline	7.37	93	68982	7.607	ng	95
8) 2-Chlorophenol	7.62	128	44757	8.182	ng	97
9) Benzaldehyde	7.19	77	39772	8.776	ng	97
10) Phenol	7.23	94	52333	7.811	ng	97
11) bis(2-Chloroethyl)ether	7.47	93	42358	7.690	ng	93
12) 1,3-Dichlorobenzene	7.96	146	52374	7.336	ng	95
13) 1,4-Dichlorobenzene	8.10	146	52415	7.337	ng	98
14) 1,2-Dichlorobenzene	8.42	146	51021	7.485	ng	96
15) Benzyl Alcohol	8.29	79	37986	7.497	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.59	45	73836	7.534	ng	98
17) 2-Methylphenol	8.50	107	36403	7.471	ng	96
18) Hexachloroethane	9.16	117	17829	7.288	ng	89
19) n-Nitroso-di-n-propylamine	8.87	70	36549	7.817	ng	92
20) 3+4-Methylphenols	8.83	107	49877	7.480	ng	93
22) Acetophenone	8.88	105	72087	8.092	ng	# 90
24) Nitrobenzene	9.27	77	50849	8.340	ng	97
25) Isophorone	9.80	82	99426	7.897	ng	98
26) 2-Nitrophenol	9.98	139	22284	7.875	ng	90
27) 2,4-Dimethylphenol	10.04	122	44874	8.985	ng	98
28) bis(2-Chloroethoxy)methane	10.28	93	62384	7.929	ng	96
29) 2,4-Dichlorophenol	10.52	162	46761	7.688	ng	90
30) 1,2,4-Trichlorobenzene	10.75	180	58661	7.606	ng	96
31) Naphthalene	10.94	128	149343	8.193	ng	96
32) Benzoic acid	10.12	122	7027	10.340	ng	94
33) 4-Chloroaniline	11.03	127	65679	7.598	ng	95
34) Hexachlorobutadiene	11.23	225	37894	7.280	ng	93
35) Caprolactam	11.77	113	16737	7.918	ng	# 60
36) 4-Chloro-3-methylphenol	12.15	107	47895	7.943	ng	94
37) 2-Methylnaphthalene	12.54	142	121777	8.440	ng	99
38) 1-Methylnaphthalene	12.76	142	112483	8.226	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.91	216	73743	7.883	ng	# 98

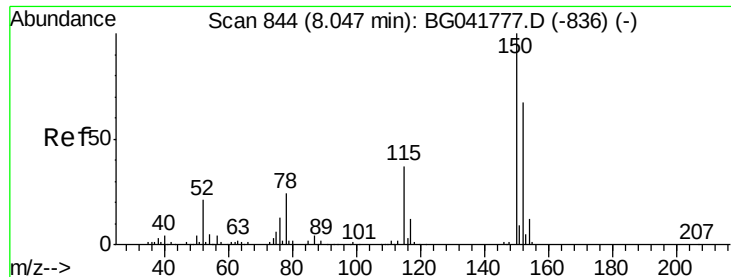
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.89	237	40124	7.629	ng	100
43) 2,4,6-Trichlorophenol	13.14	196	42315	7.157	ng	96
44) 2,4,5-Trichlorophenol	13.21	196	46775	7.613	ng	92
46) 1,1'-Biphenyl	13.54	154	158316	8.334	ng	94
47) 2-Chloronaphthalene	13.58	162	125168	7.739	ng	98
48) 2-Nitroaniline	13.78	65	29236	7.127	ng	90
49) Acenaphthylene	14.43	152	206617	8.540	ng	95
50) Dimethylphthalate	14.15	163	169082	8.378	ng	98
51) 2,6-Dinitrotoluene	14.27	165	34692	8.221	ng	87
52) Acenaphthene	14.77	154	122073	7.758	ng	98
53) 3-Nitroaniline	14.60	138	33488	7.417	ng #	89
54) 2,4-Dinitrophenol	14.81	184	9312	8.235	ng #	77
55) Dibenzofuran	15.11	168	210137	8.731	ng	92
56) 4-Nitrophenol	14.90	139	23763	6.934	ng	88
57) 2,4-Dinitrotoluene	15.06	165	44261	7.626	ng	93
58) Fluorene	15.76	166	168074	8.702	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.33	232	46167	7.587	ng #	94
60) Diethylphthalate	15.52	149	164897	8.322	ng	95
61) 4-Chlorophenyl-phenylether	15.75	204	94864	8.045	ng	95
62) 4-Nitroaniline	15.76	138	37726	7.715	ng	97
63) Azobenzene	16.05	77	135811	8.391	ng	95
65) 4,6-Dinitro-2-methylphenol	15.82	198	19965	12.111	ng	84
66) n-Nitrosodiphenylamine	15.96	169	153999	8.502	ng	94
67) 4-Bromophenyl-phenylether	16.65	248	62801	7.667	ng	96
68) Hexachlorobenzene	16.77	284	64681	7.548	ng	94
69) Atrazine	16.90	200	56683	7.965	ng	99
70) Pentachlorophenol	17.11	266	29464	6.053	ng	92
71) Phenanthrene	17.50	178	280733	8.808	ng	93
72) Anthracene	17.50	178	280733	8.832	ng	93
73) Carbazole	17.86	167	246895	8.654	ng	94
74) Di-n-butylphthalate	18.43	149	272315	8.419	ng #	92
75) Fluoranthene	19.51	202	351700	9.078	ng	89
77) Benzidine	19.68	184	169036	7.678	ng	97
78) Pyrene	19.87	202	365882	9.155	ng #	88
80) Butylbenzylphthalate	20.76	149	114617	7.480	ng	91
81) Benzo(a)anthracene	21.79	228	329110	8.247	ng	93
82) 3,3'-Dichlorobenzidine	21.63	252	133863	8.355	ng #	95
83) Chrysene	21.79	228	329110	8.603	ng	89
84) Bis(2-ethylhexyl)phthalate	21.64	149	170383	8.061	ng	96
85) Di-n-octyl phthalate	22.88	149	276798	7.782	ng #	89
86) Indeno(1,2,3-cd)pyrene	28.76	276	375665	7.418	ng #	89
88) Benzo(b)fluoranthene	23.98	252	335052	8.008	ng	93
89) Benzo(k)fluoranthene	24.04	252	346652	8.506	ng #	92
90) Benzo(a)pyrene	24.86	252	333046	8.300	ng #	93
91) Dibenzo(a,h)anthracene	28.83	278	316238	8.027	ng	95
92) Benzo(g,h,i)perylene	29.92	276	312769	7.946	ng #	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

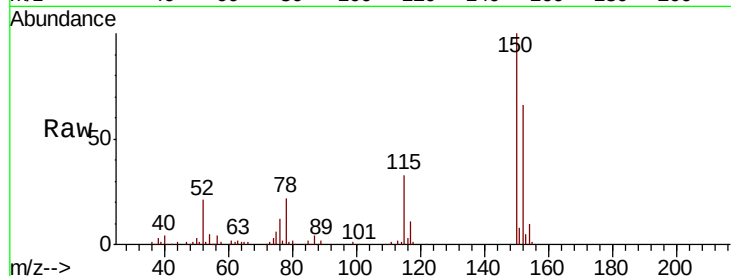
Tot Ion:152 Resp: 92945

Ion Ratio Lower Upper

152 100

150 151.4 126.9 190.3

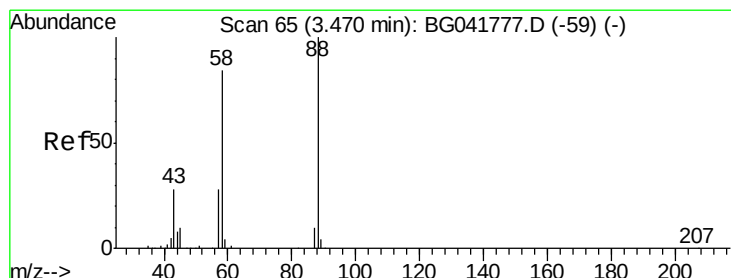
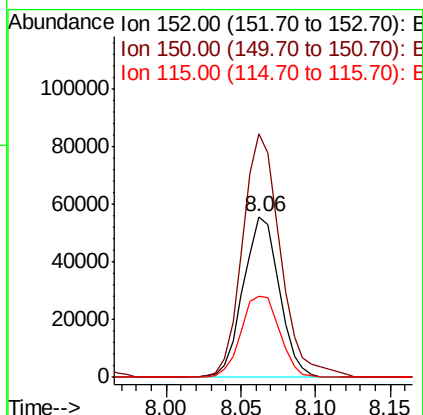
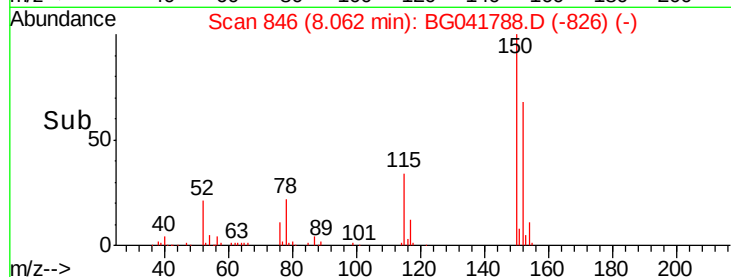
115 50.3 45.0 67.6



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: 8.385 ng

RT: 3.49 min Scan# 67

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

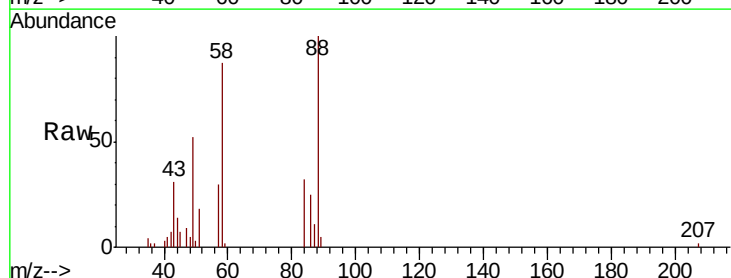
Tgt Ion: 88 Resp: 18853

Ion Ratio Lower Upper

88 100

58 88.0 76.2 114.2

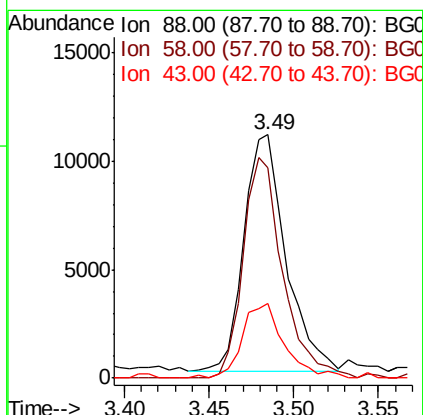
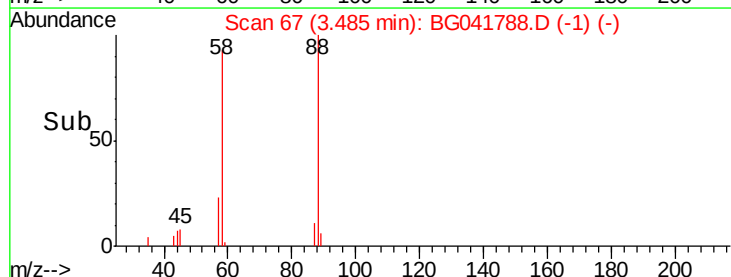
43 31.4 27.2 40.8

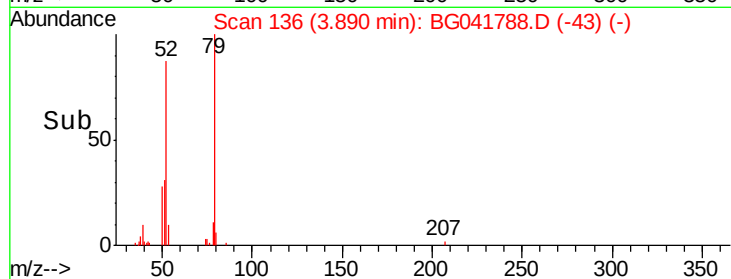
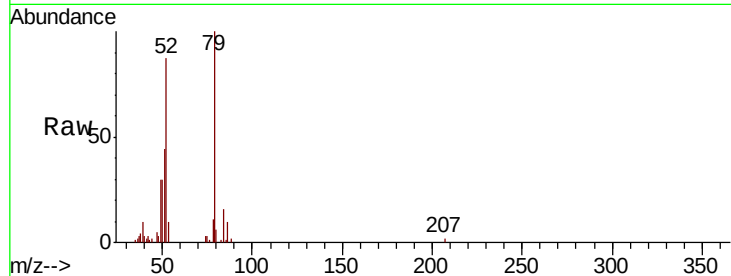
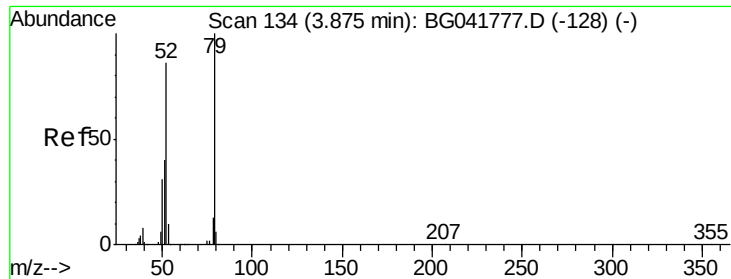


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

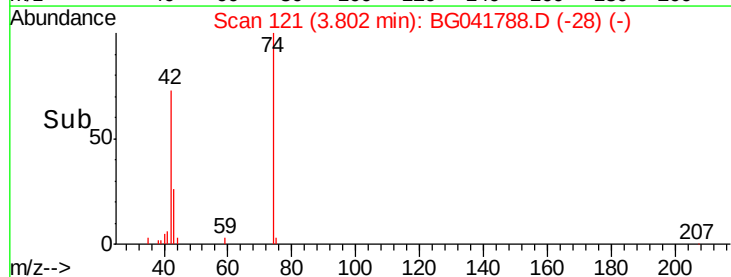
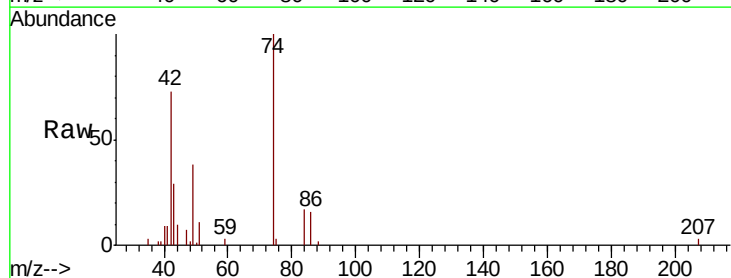
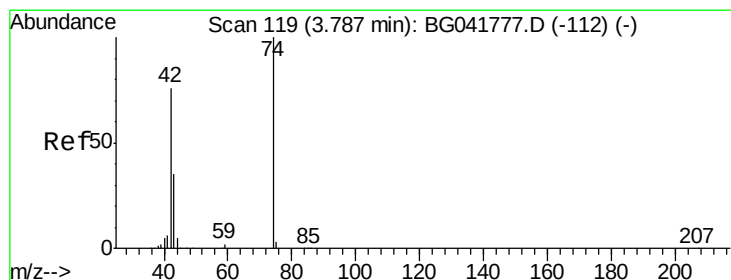
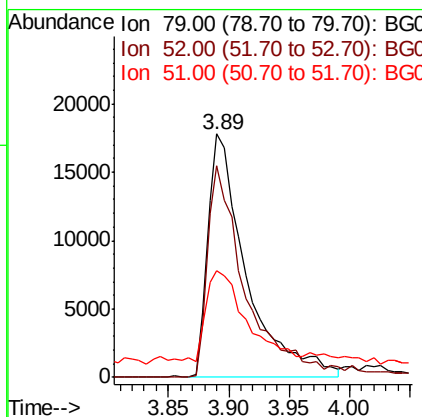




#3
 Pvridine
 Concen: 6.353 ng
 RT: 3.89 min Scan# 136
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

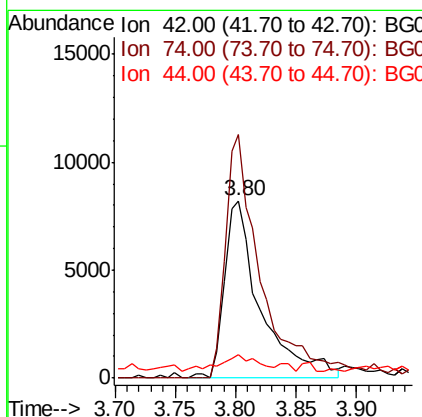
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

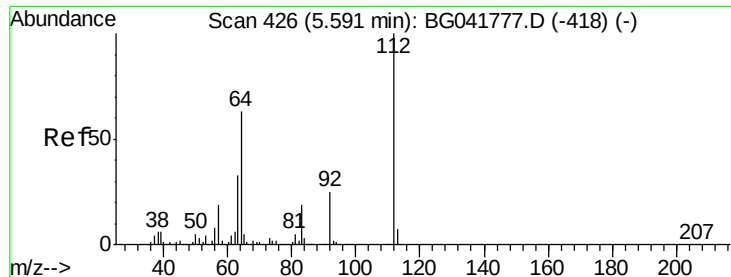
Tot Ion: 79 Resp: 39172
 Ion Ratio Lower Upper
 79 100
 52 86.9 77.1 115.7
 51 43.9 37.8 56.8



#4
 n-Nitrosodimethylamine
 Concen: 6.978 ng
 RT: 3.80 min Scan# 121
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion: 42 Resp: 17057
 Ion Ratio Lower Upper
 42 100
 74 137.5 97.4 146.2
 44 13.3 6.6 9.8#





#5

2-Fluorophenol

Concen: 101.537 ng

RT: 5.61 min Scan# 428

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

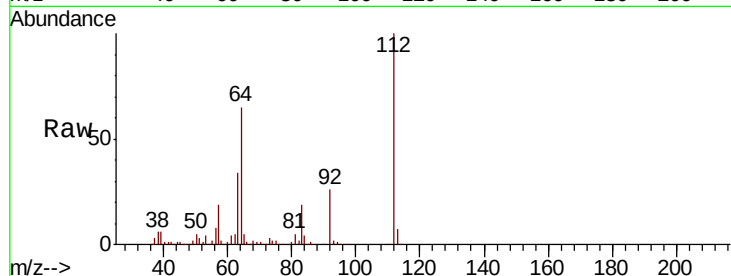
Tot Ion:112 Resp: 485055

Ion Ratio Lower Upper

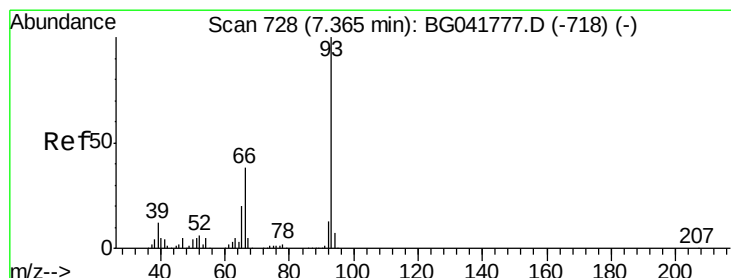
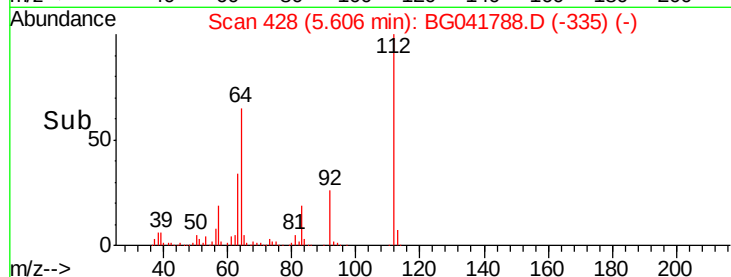
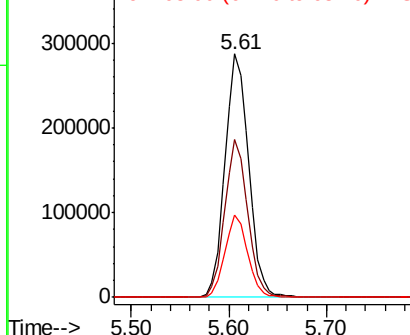
112 100

64 64.7 55.4 83.2

63 34.0 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: 7.607 ng

RT: 7.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

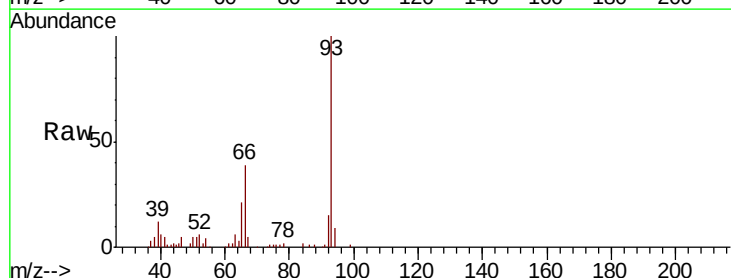
Tgt Ion: 93 Resp: 68982

Ion Ratio Lower Upper

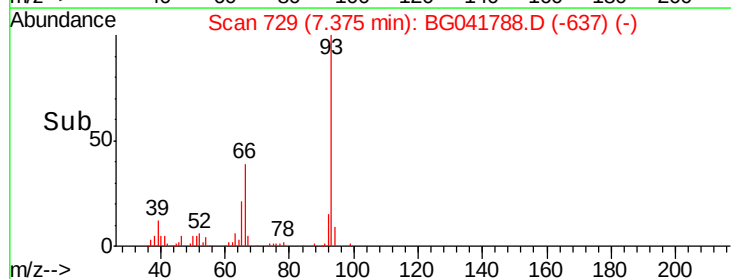
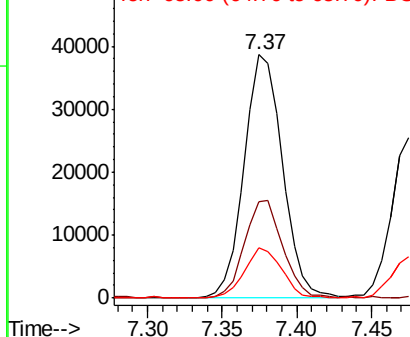
93 100

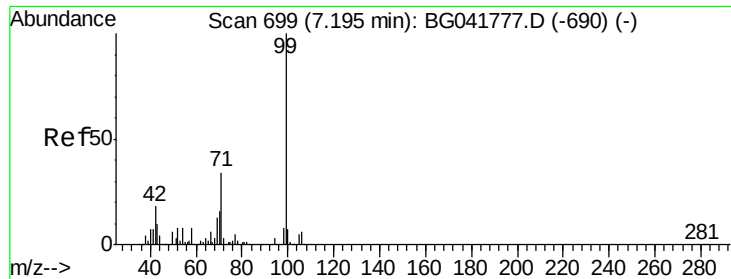
66 39.4 34.2 51.2

65 20.6 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: 101.263 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

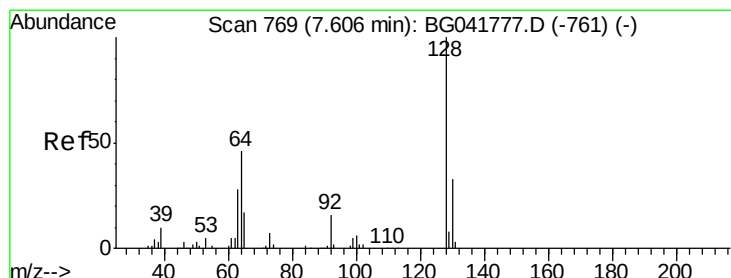
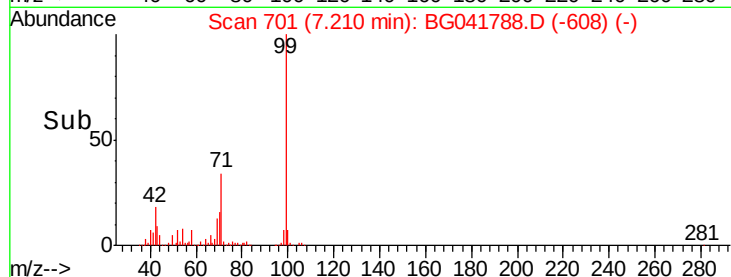
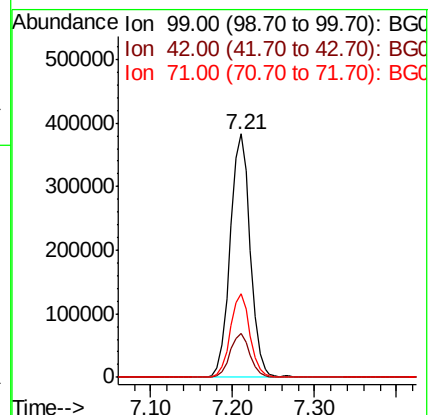
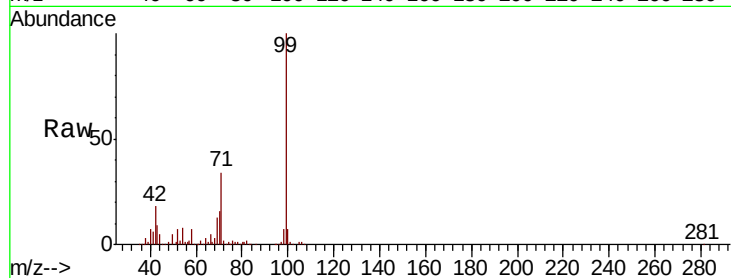
Tot Ion: 99 Resp: 652172

Ion Ratio Lower Upper

99 100

42 18.0 17.6 26.4

71 34.3 27.8 41.6



#8

2-Chlorophenol

Concen: 8.182 ng

RT: 7.62 min Scan# 771

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

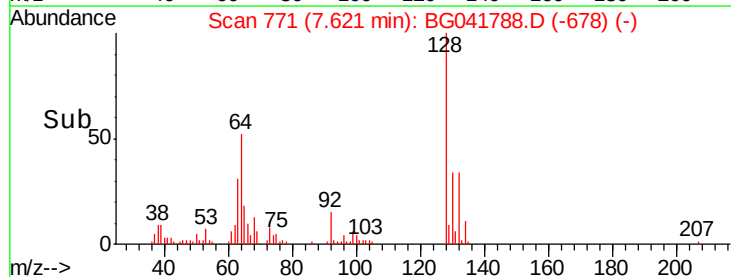
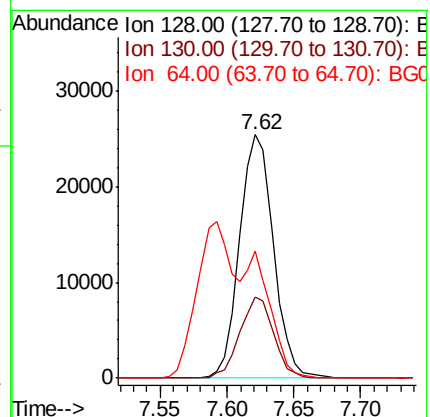
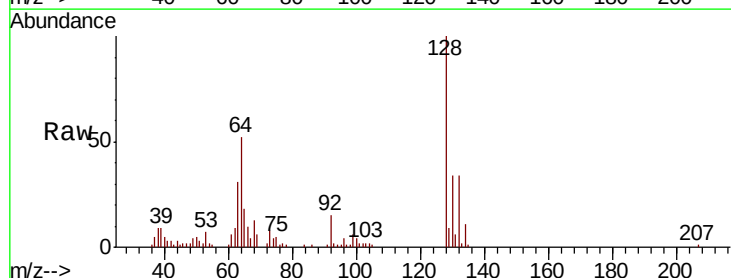
Tgt Ion: 128 Resp: 44757

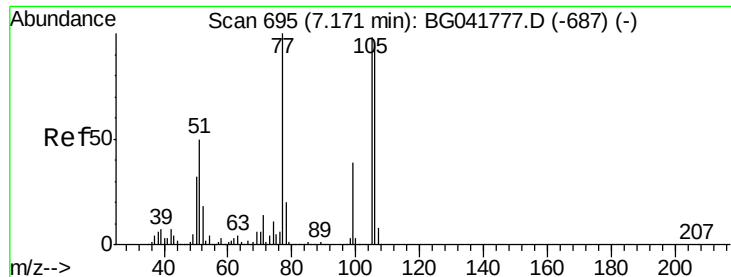
Ion Ratio Lower Upper

128 100

130 33.6 12.4 52.4

64 52.1 34.9 74.9





#9

Benzaldehyde

Concen: 8.776 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

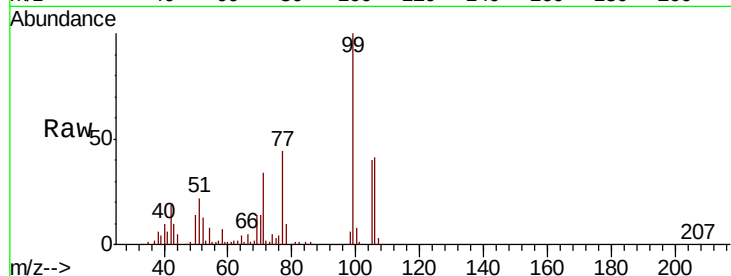
Tot Ion: 77 Resp: 39772

Ion Ratio Lower Upper

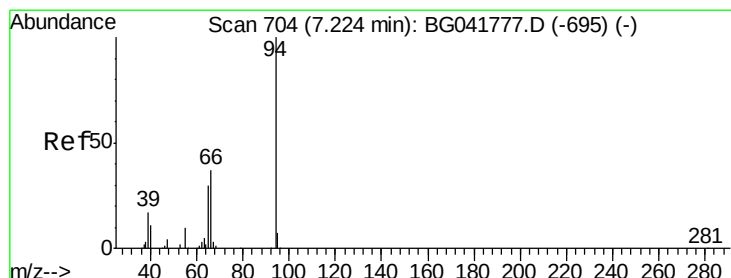
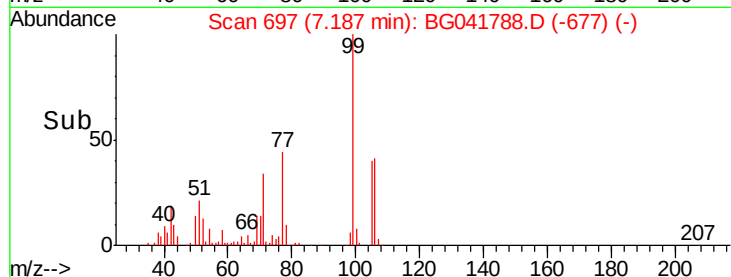
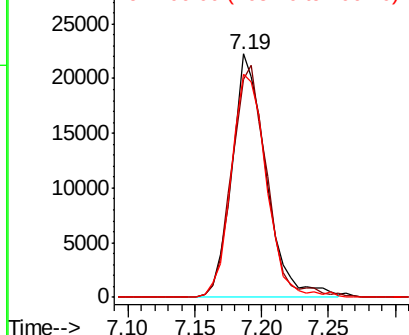
77 100

105 89.6 74.6 114.6

106 91.8 71.1 111.1



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



#10

Phenol

Concen: 7.811 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

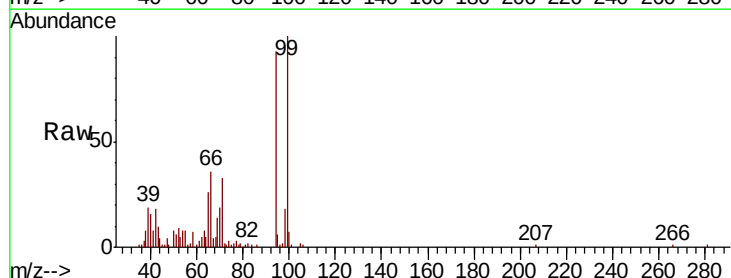
Tgt Ion: 94 Resp: 52333

Ion Ratio Lower Upper

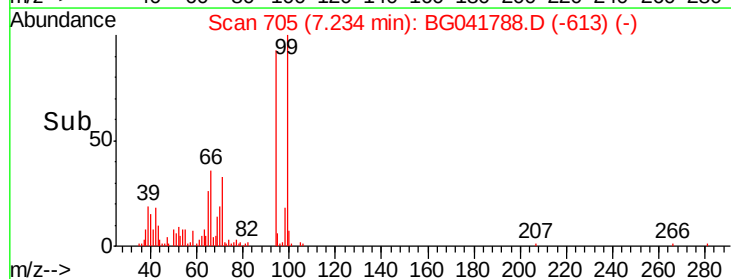
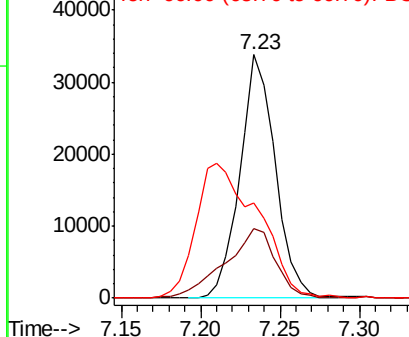
94 100

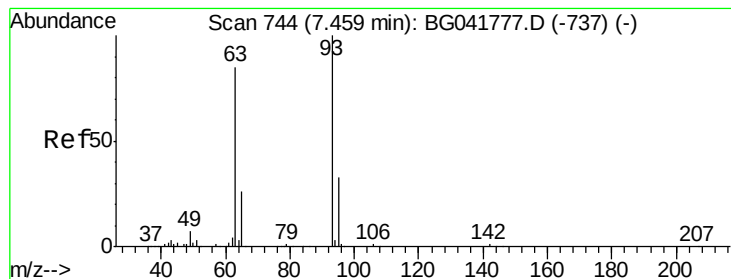
65 28.4 10.6 50.6

66 39.0 18.2 58.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 7.690 ng

RT: 7.47 min Scan# 746

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

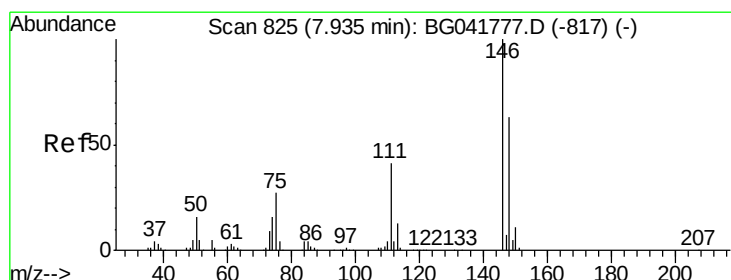
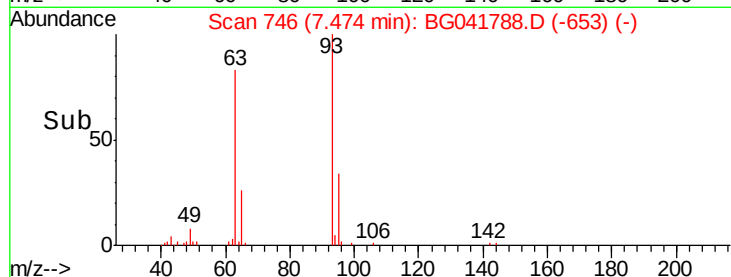
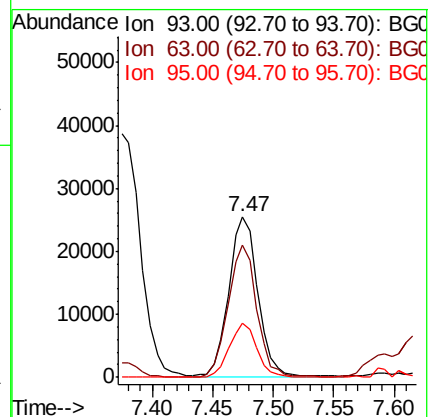
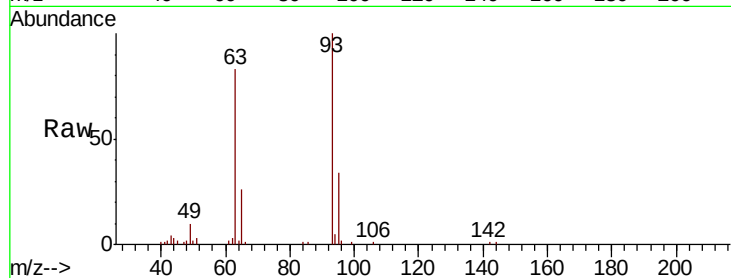
Tot Ion: 93 Resp: 42358

Ion Ratio Lower Upper

93 100

63 82.6 70.4 110.4

95 33.9 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 7.336 ng

RT: 7.96 min Scan# 828

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

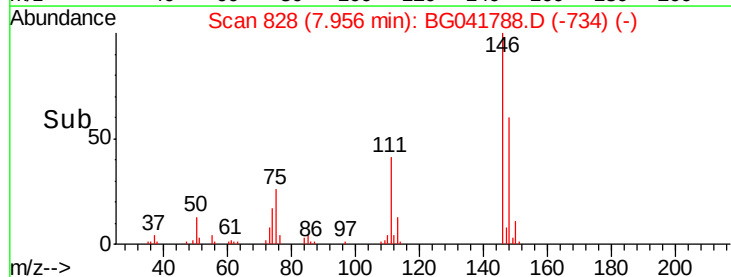
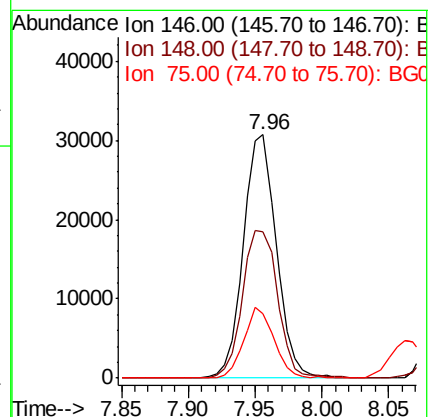
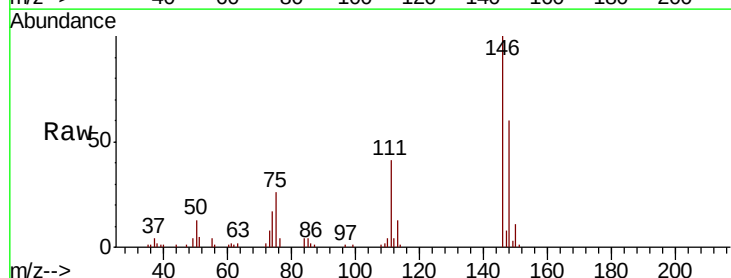
Tgt Ion: 146 Resp: 52374

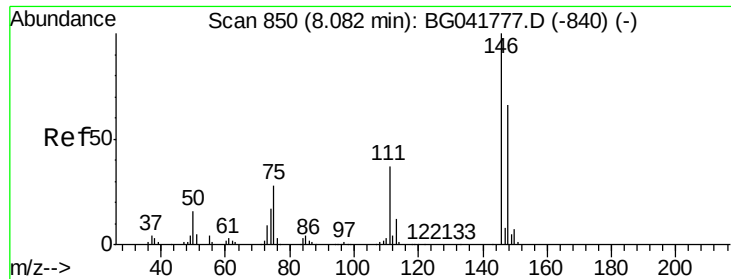
Ion Ratio Lower Upper

146 100

148 60.1 51.5 77.3

75 26.3 23.2 34.8

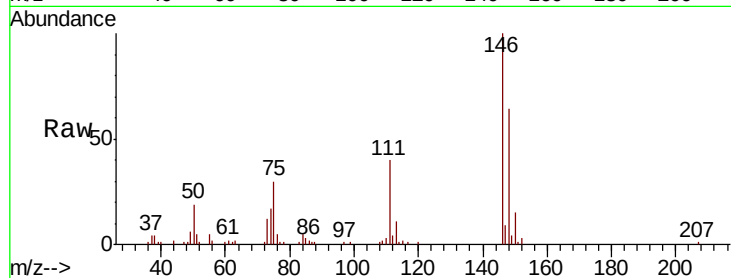




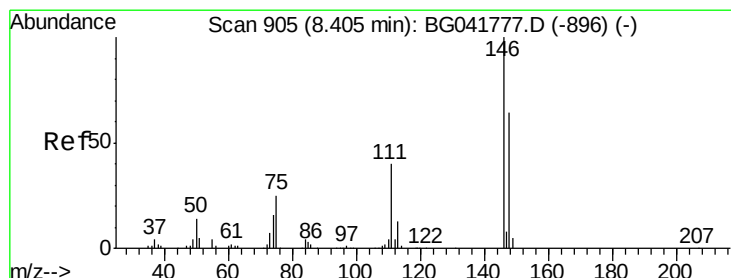
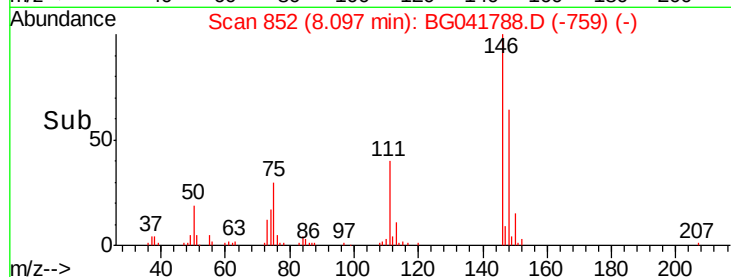
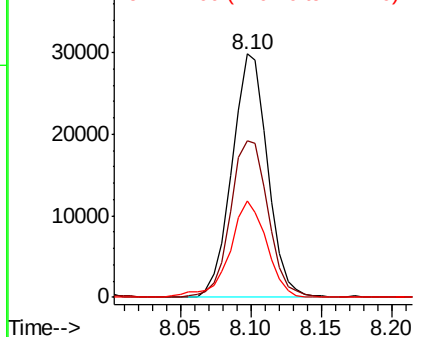
#13
 1,4-Dichlorobenzene
 Concen: 7.337 ng
 RT: 8.10 min Scan# 852
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:146 Resp: 52415
 Ion Ratio Lower Upper
 146 100
 148 64.3 52.6 79.0
 111 39.9 32.5 48.7

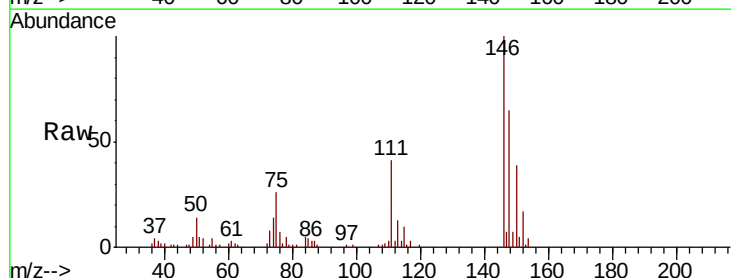


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

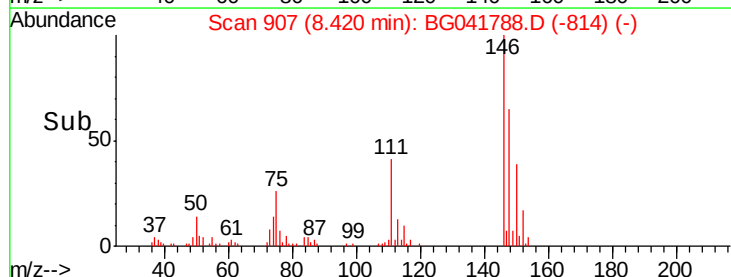
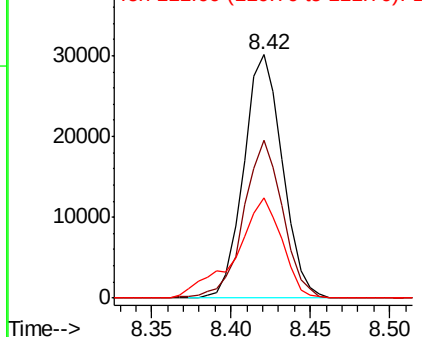


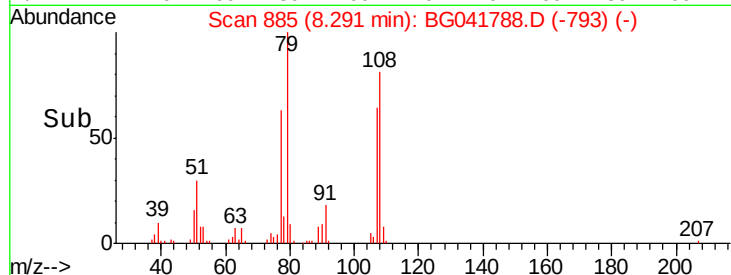
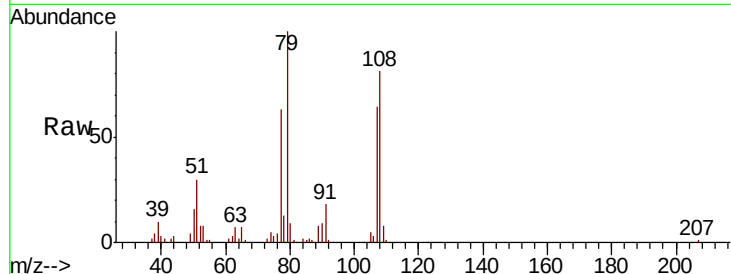
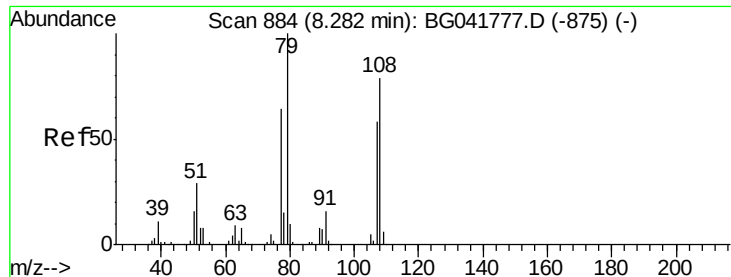
#14
 1,2-Dichlorobenzene
 Concen: 7.485 ng
 RT: 8.42 min Scan# 907
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion:146 Resp: 51021
 Ion Ratio Lower Upper
 146 100
 148 64.8 53.5 80.3
 111 41.0 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

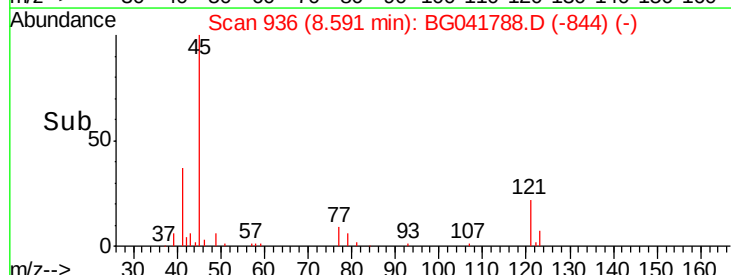
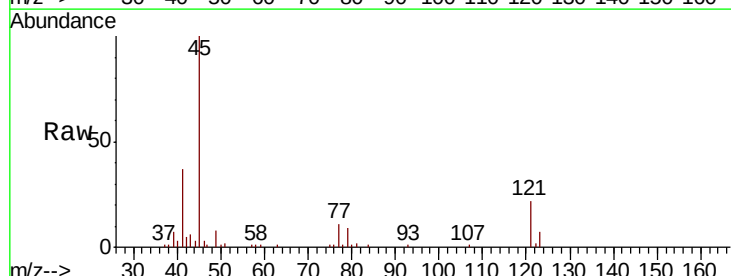
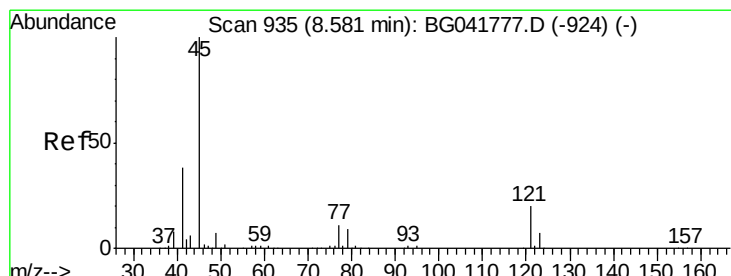
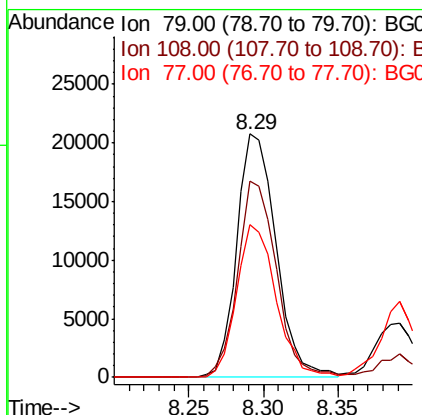




#15
Benzyl Alcohol
Concen: 7.497 ng
RT: 8.29 min Scan# 885
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

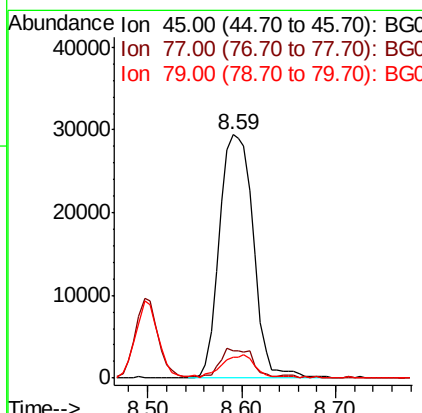
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

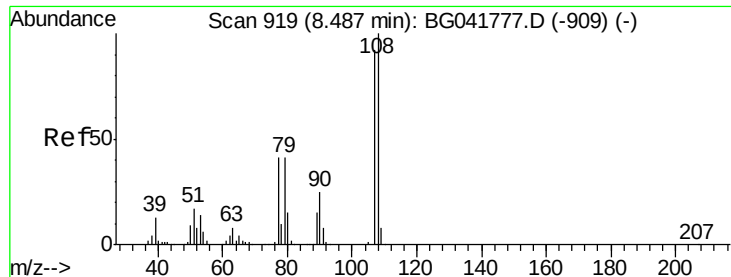
Tot Ion: 79 Resp: 37986
Ion Ratio Lower Upper
79 100
108 80.8 60.5 90.7
77 62.7 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.534 ng
RT: 8.59 min Scan# 936
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion: 45 Resp: 73836
Ion Ratio Lower Upper
45 100
77 11.1 0.0 30.4
79 8.6 0.0 27.9

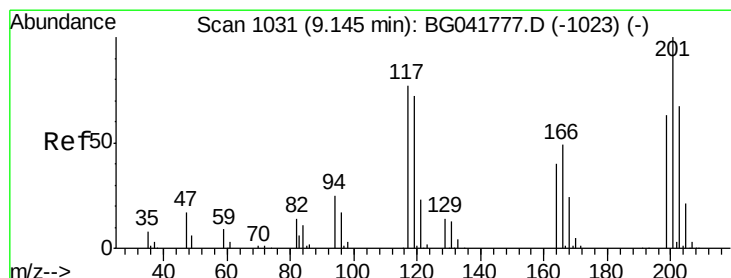
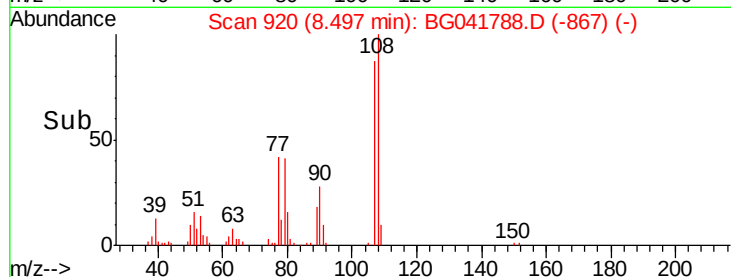
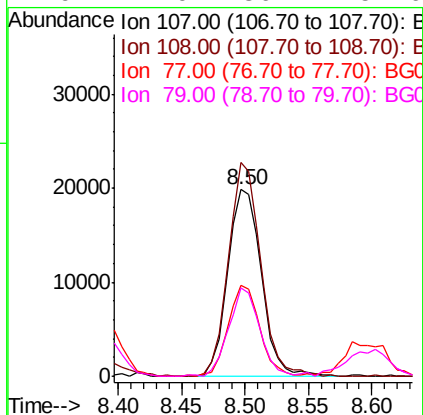
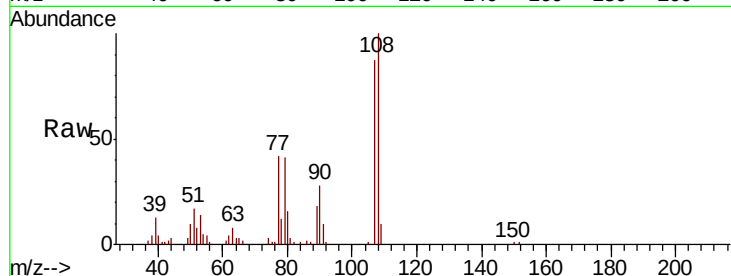




#17
2-Methylphenol
Concen: 7.471 ng
RT: 8.50 min Scan# 920
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

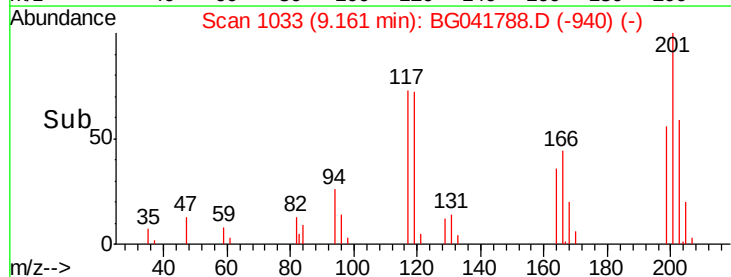
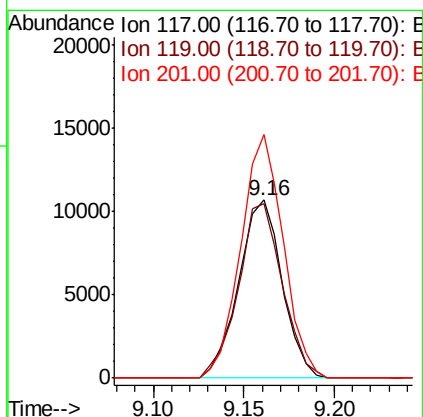
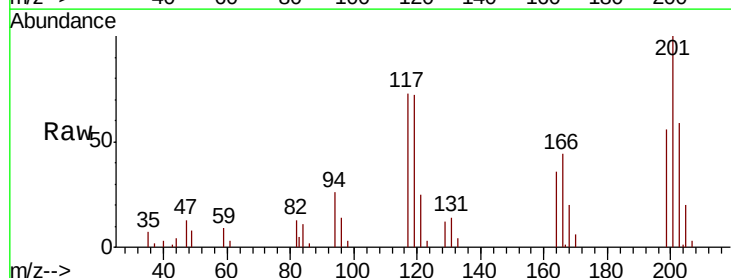
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

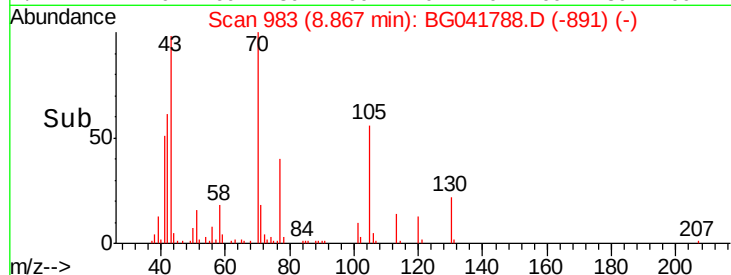
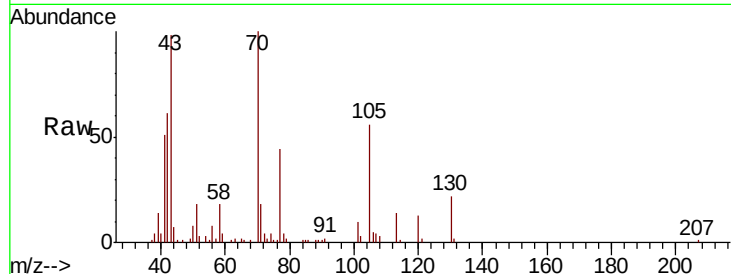
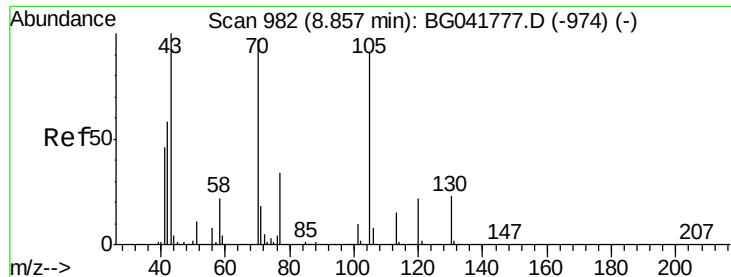
Tot Ion:	107	Resp:	36403
Ion	Ratio	Lower	Upper
107	100		
108	114.4	87.6	131.4
77	48.4	36.1	54.1
79	47.0	36.4	54.6



#18
Hexachloroethane
Concen: 7.288 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:	117	Resp:	17829
Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.2	114.2
201	136.6	94.1	141.1

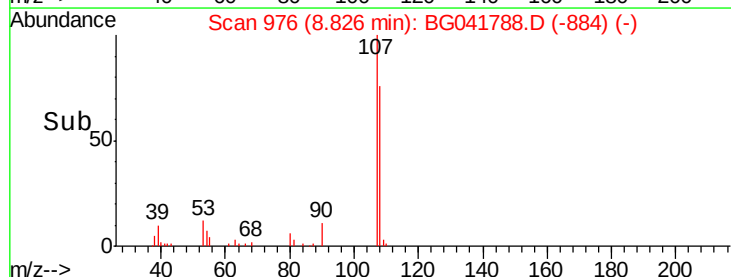
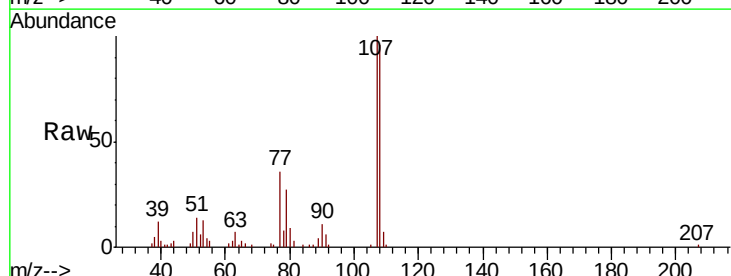
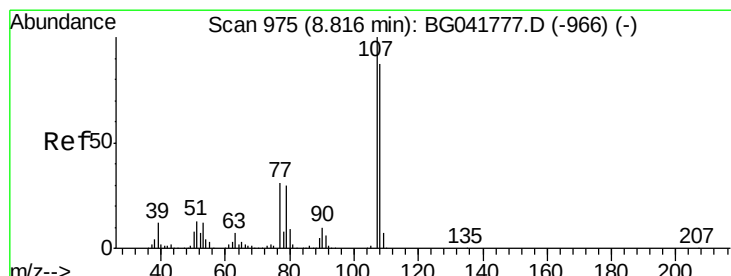
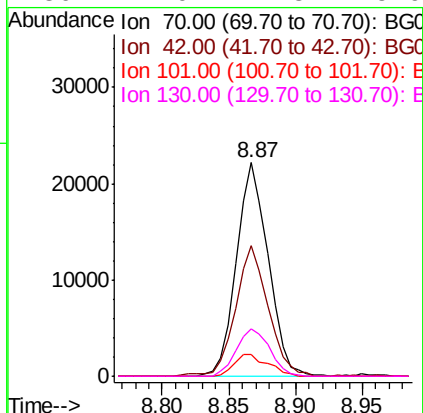




#19
n-Nitroso-di-n-propylamine
Concen: 7.817 ng
RT: 8.87 min Scan# 983
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

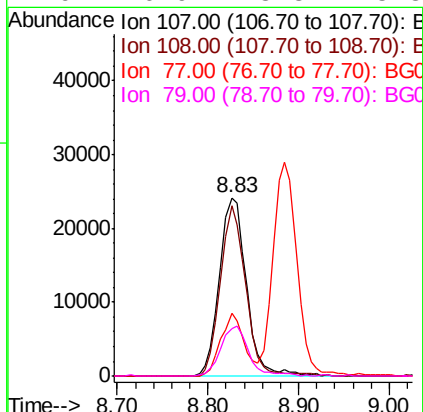
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

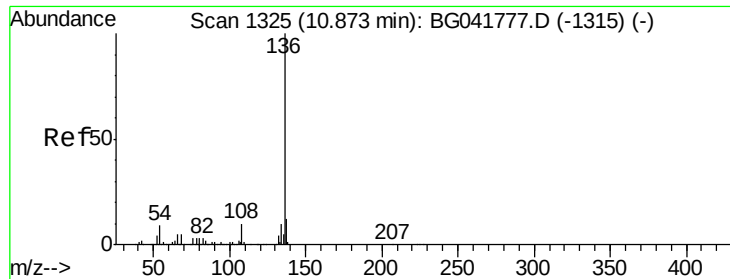
Tot Ion:	70	Resp:	36549
Ion	Ratio	Lower	Upper
70	100		
42	60.9	55.8	83.6
101	10.0	8.1	12.1
130	22.0	17.3	25.9



#20
3+4-Methylphenols
Concen: 7.480 ng
RT: 8.83 min Scan# 976
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:	107	Resp:	49877
Ion	Ratio	Lower	Upper
107	100		
108	95.6	67.5	107.5
77	35.5	12.3	52.3
79	26.9	8.3	48.3

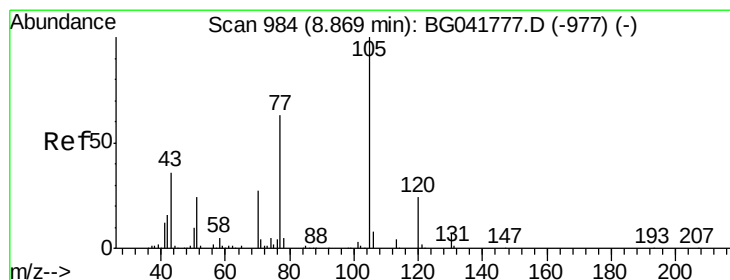
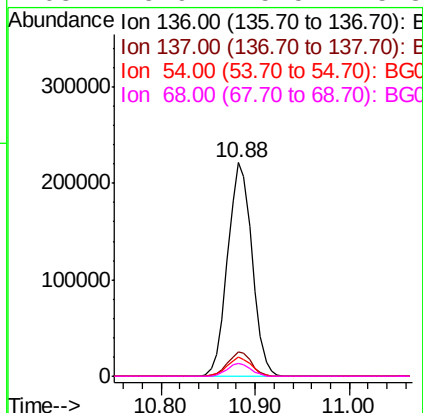
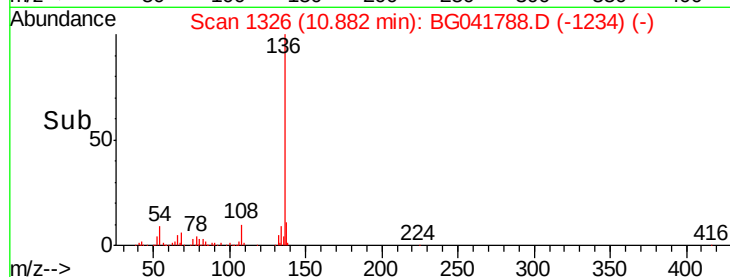
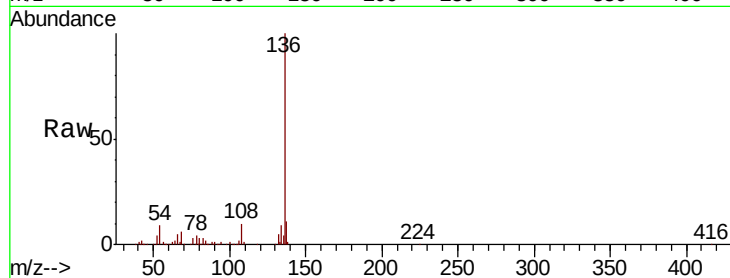




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

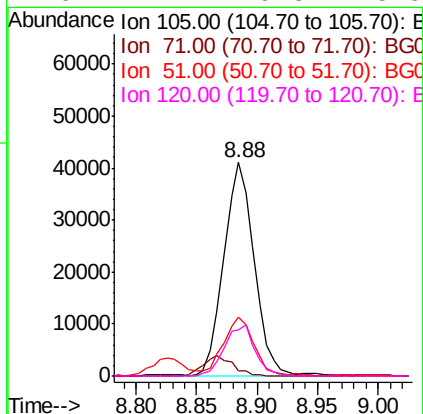
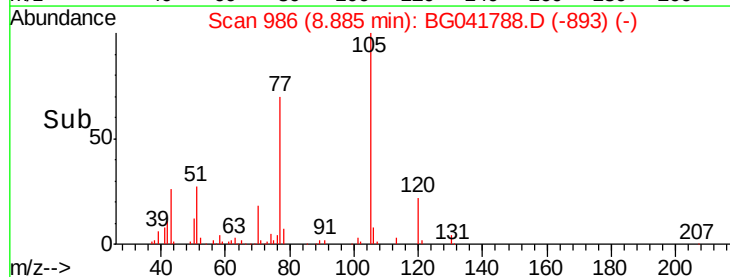
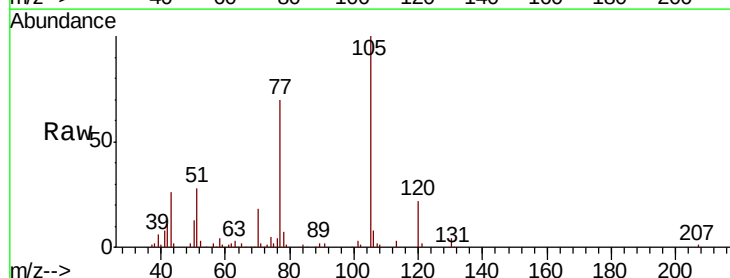
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

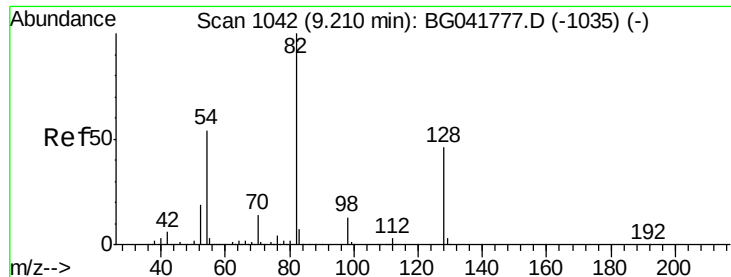
Tot Ion:136	Resp:	398284
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.2 13.8
54	8.9	8.7 13.1
68	5.9	5.5 8.3



#22
Acetophenone
Concen: 8.092 ng
RT: 8.88 min Scan# 986
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:105	Resp:	72087
Ion Ratio	Lower	Upper
105	100	
71	2.3	5.9 8.9#
51	27.7	27.7 41.5
120	21.7	19.3 28.9

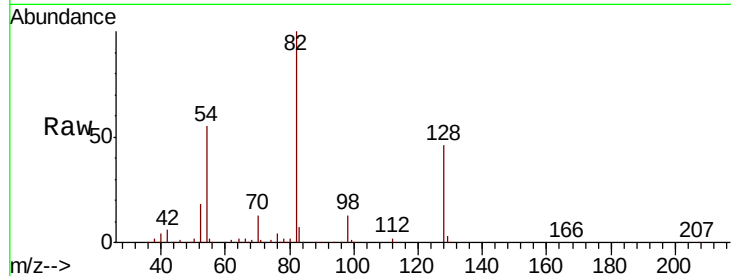




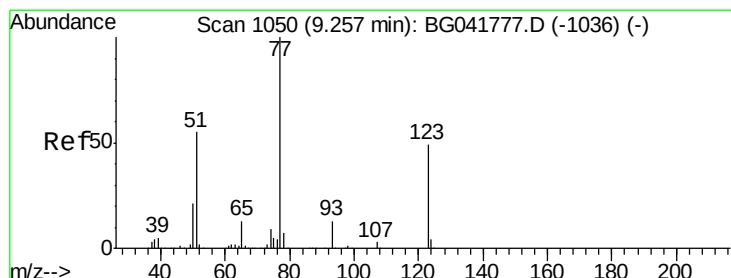
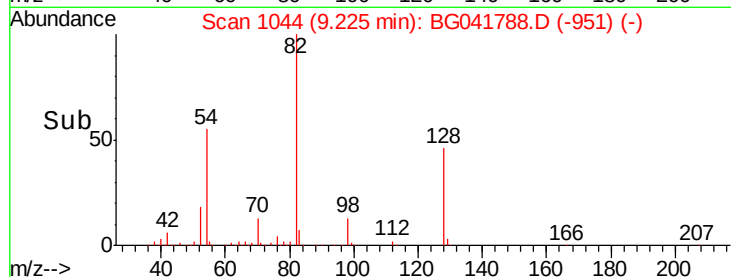
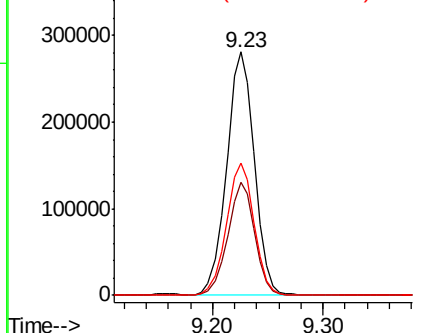
#23
 Nitrobenzene-d5
 Concen: 84.602 ng
 RT: 9.23 min Scan# 1044
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	82	Resp	489649
Ion Ratio	Lower	Upper	
82	100		
128	46.4	35.1	52.7
54	54.5	48.7	73.1

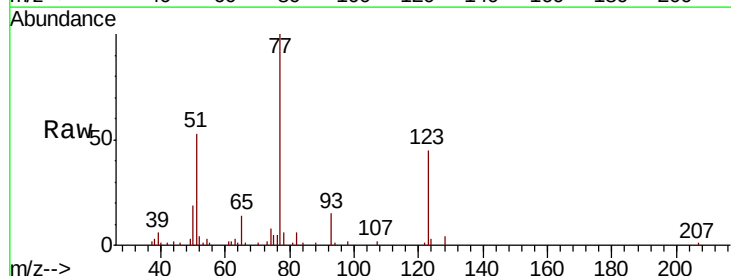


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

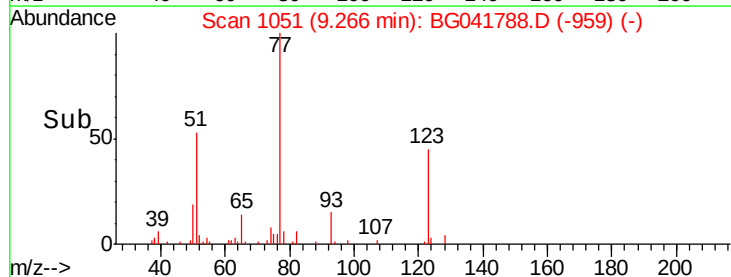
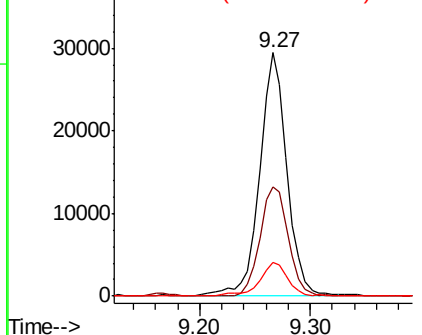


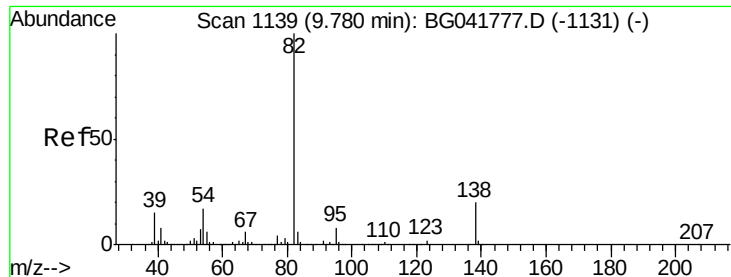
#24
 Nitrobenzene
 Concen: 8.340 ng
 RT: 9.27 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion	77	Resp	50849
Ion Ratio	Lower	Upper	
77	100		
123	44.8	38.1	57.1
65	14.0	11.0	16.6



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





#25

Isophorone

Concen: 7.897 ng

RT: 9.80 min Scan# 1141

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

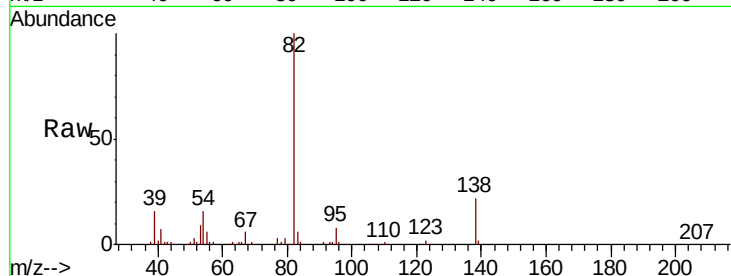
Tot Ion: 82 Resp: 99426

Ion Ratio Lower Upper

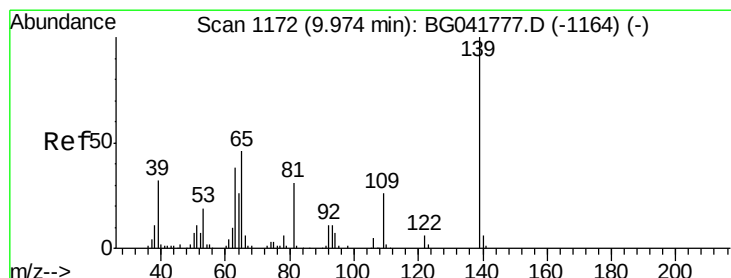
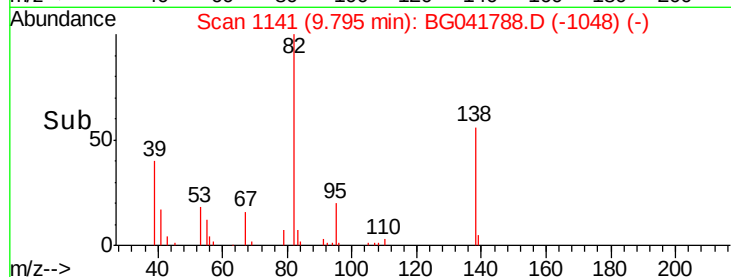
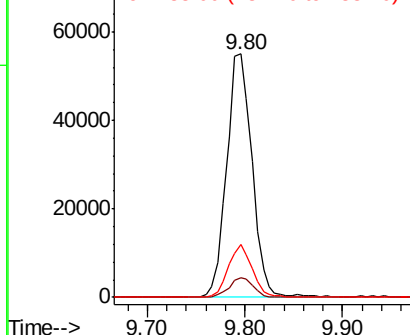
82 100

95 7.8 5.9 8.9

138 21.7 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: 7.875 ng

RT: 9.98 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

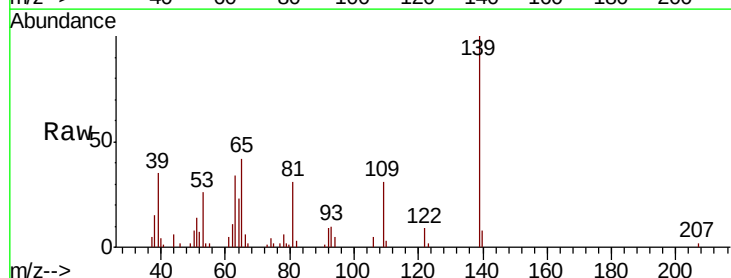
Tgt Ion: 139 Resp: 22284

Ion Ratio Lower Upper

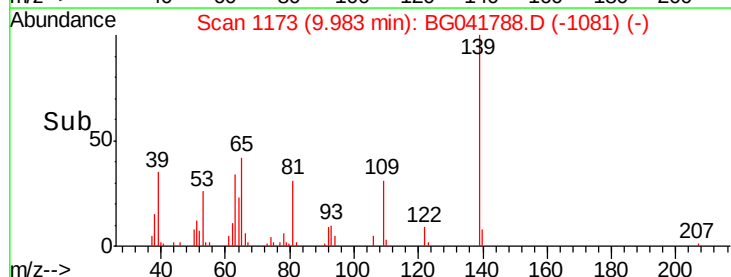
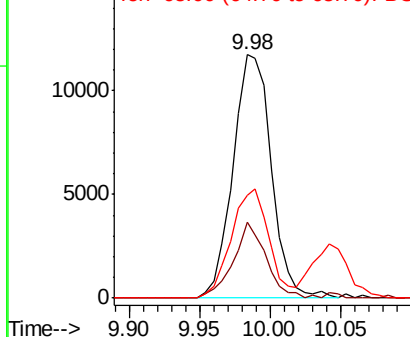
139 100

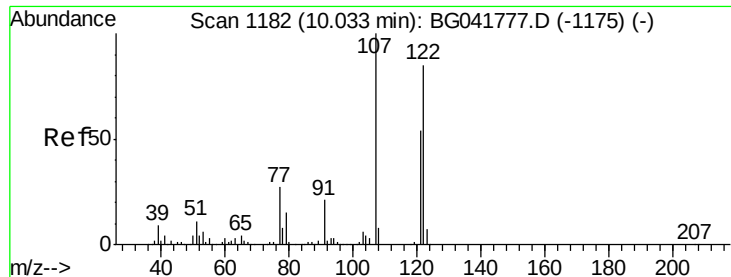
109 31.2 22.7 34.1

65 42.1 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

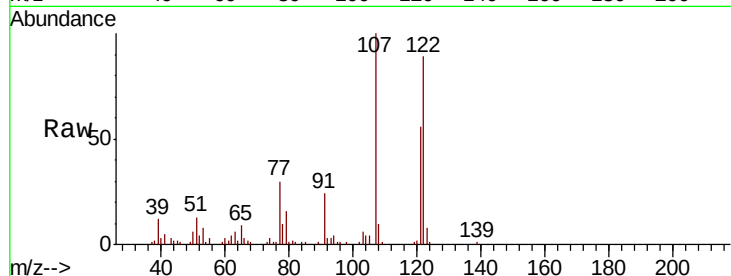




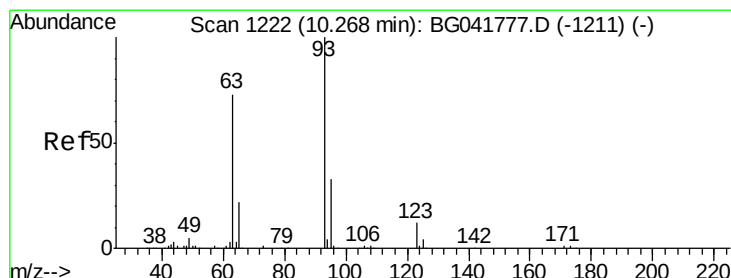
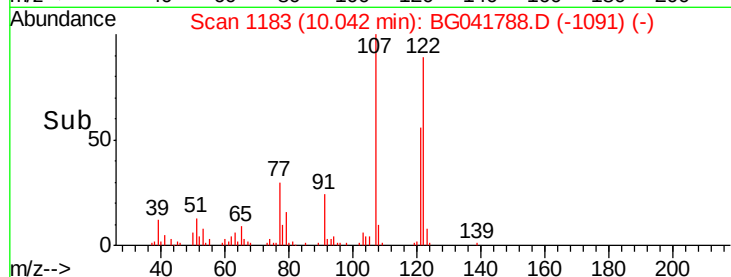
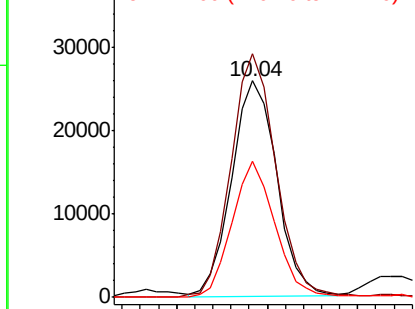
#27
 2,4-Dimethylphenol
 Concen: 8.985 ng
 RT: 10.04 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:122 Resp: 44874
 Ion Ratio Lower Upper
 122 100
 107 112.4 91.3 136.9
 121 62.6 49.2 73.8

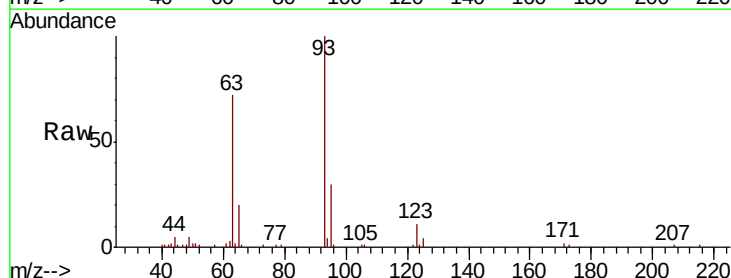


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

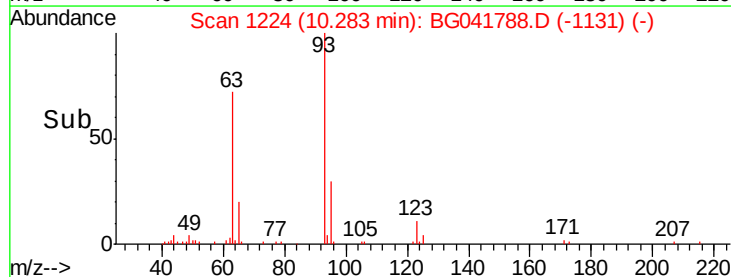
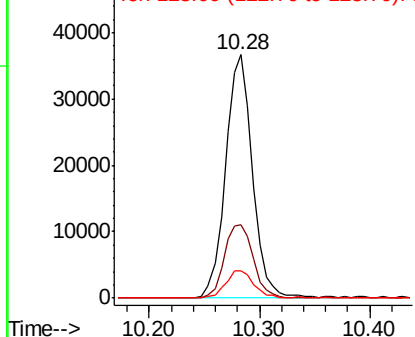


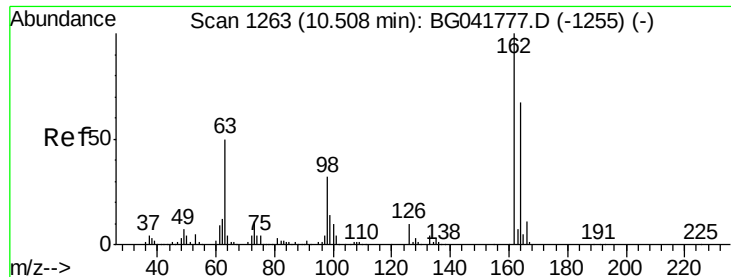
#28
 bis(2-Chloroethoxy)methane
 Concen: 7.929 ng
 RT: 10.28 min Scan# 1224
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion: 93 Resp: 62384
 Ion Ratio Lower Upper
 93 100
 95 30.0 26.2 39.4
 123 11.4 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

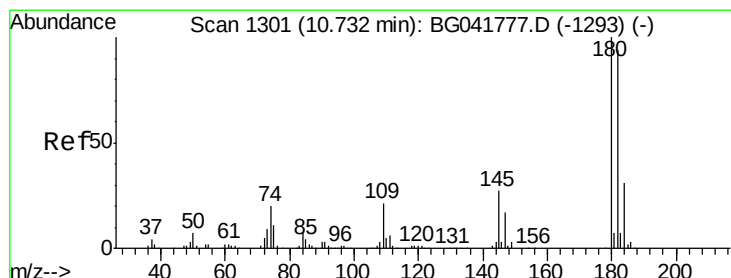
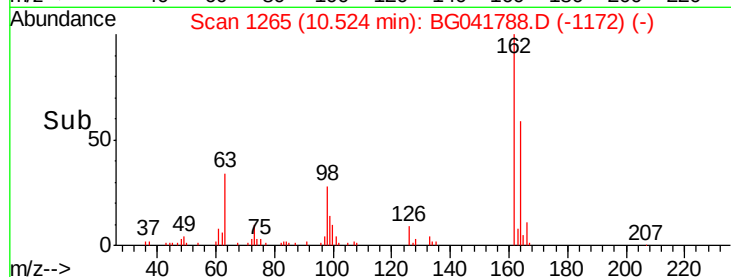
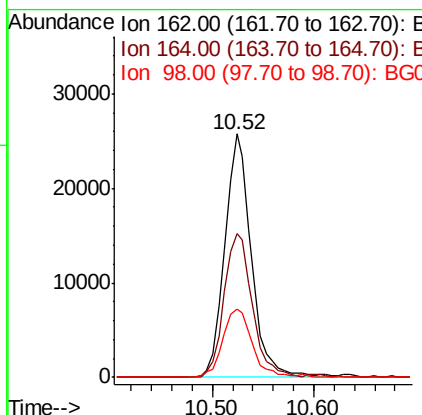
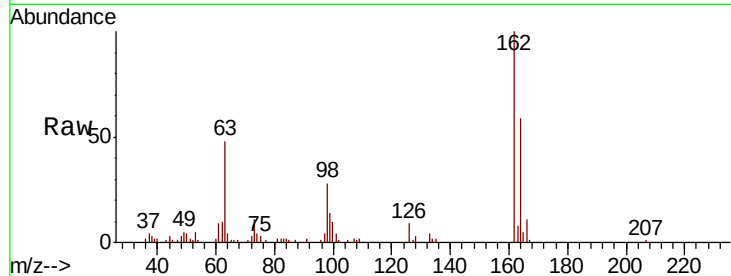




#29
 2,4-Dichlorophenol
 Concen: 7.688 ng
 RT: 10.52 min Scan# 1265
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

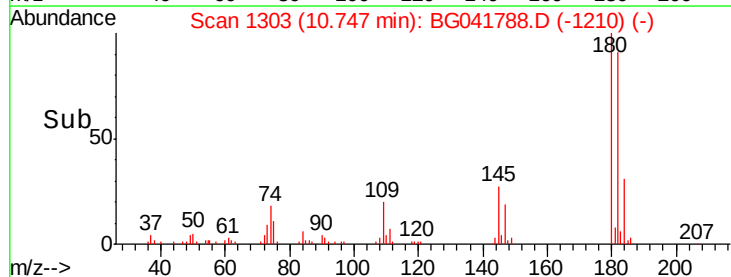
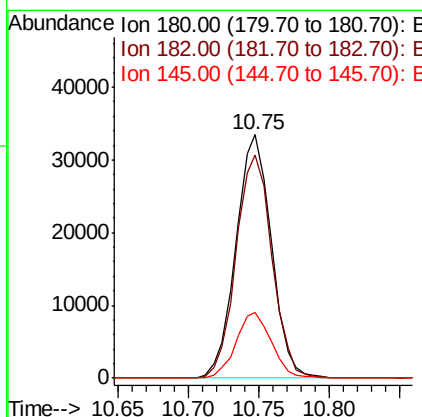
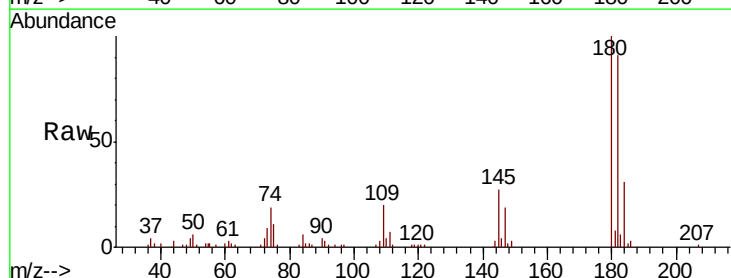
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

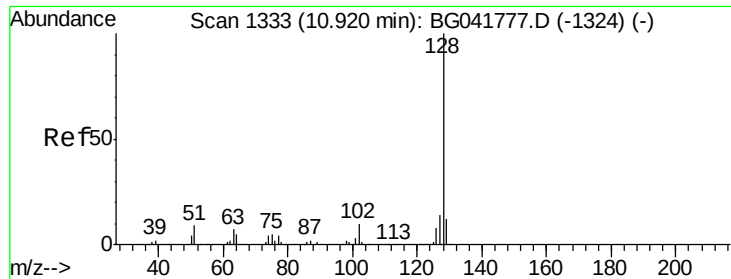
Tot Ion	Ratio	Lower	Upper
162	100		
164	59.2	46.1	86.1
98	27.9	14.7	54.7



#30
 1,2,4-Trichlorobenzene
 Concen: 7.606 ng
 RT: 10.75 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.2	114.2
145	27.1	23.8	35.8

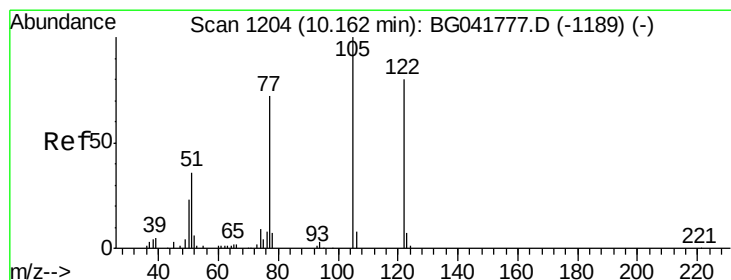
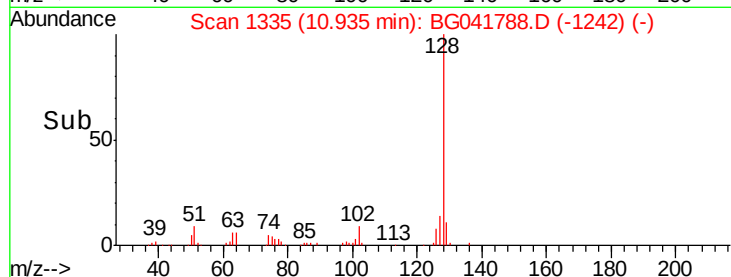
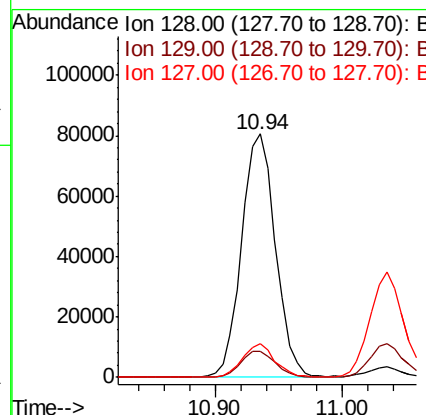
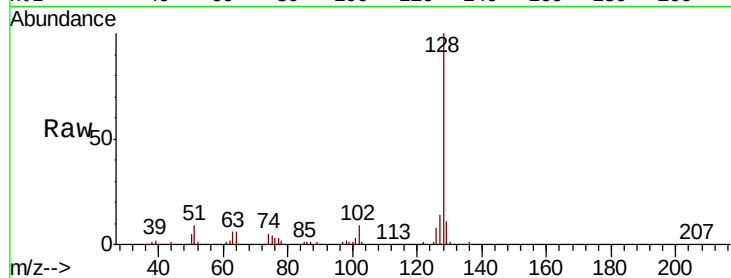




#31
Naphthalene
Concen: 8.193 ng
RT: 10.94 min Scan# 1335
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

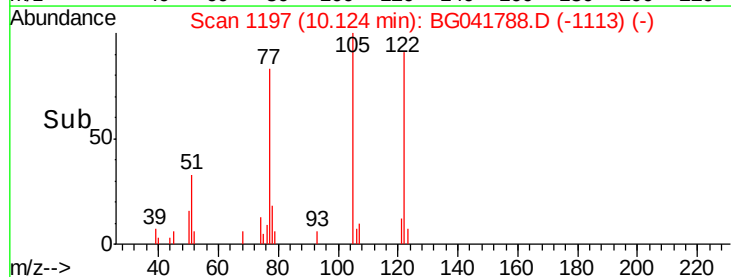
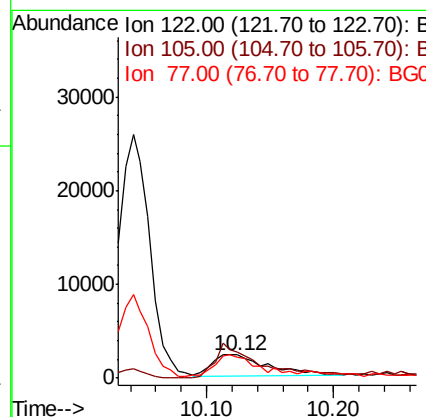
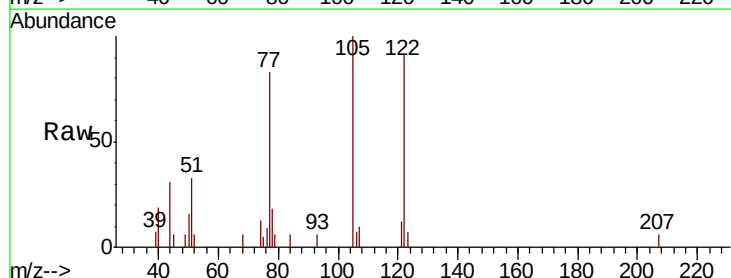
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

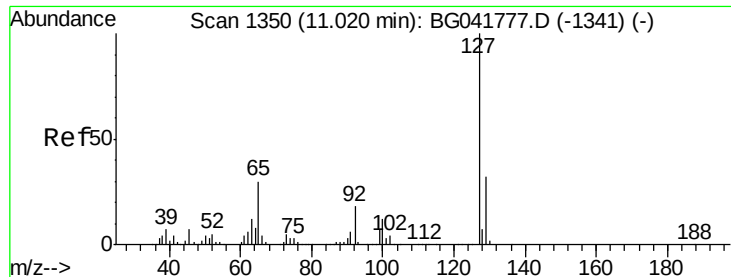
Tot Ion:128 Resp: 149343
Ion Ratio Lower Upper
128 100
129 10.6 10.0 15.0
127 14.0 12.3 18.5



#32
Benzoic acid
Concen: 10.340 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.04 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:122 Resp: 7027
Ion Ratio Lower Upper
122 100
105 110.2 101.5 141.5
77 91.4 73.0 113.0

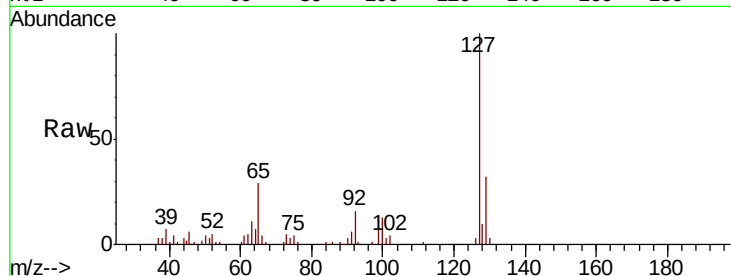




#33
4-Chloroaniline
Concen: 7.598 ng
RT: 11.03 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:127	Resp:	65679
Ion	Ratio	Lower Upper
127	100	
129	32.1	25.8 38.8
65	28.8	26.7 40.1
92	15.6	15.4 23.0



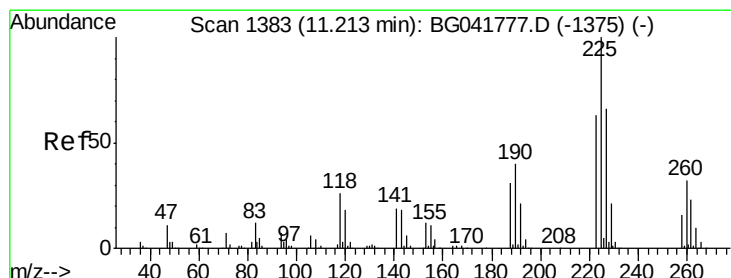
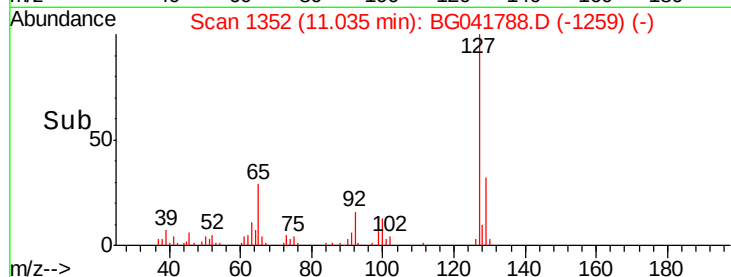
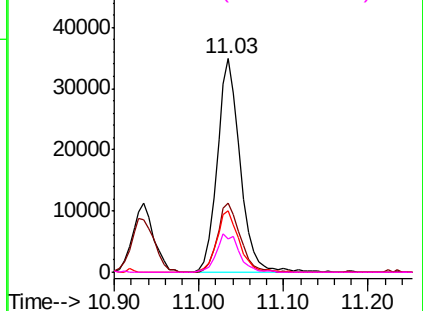
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

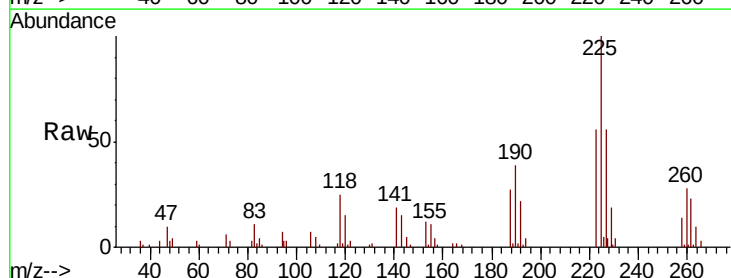
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 7.280 ng
RT: 11.23 min Scan# 1385
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:225	Resp:	37894
Ion	Ratio	Lower Upper
225	100	
223	55.8	51.1 76.7
227	60.5	50.9 76.3

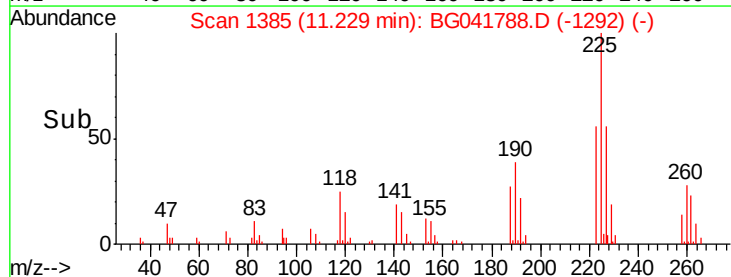
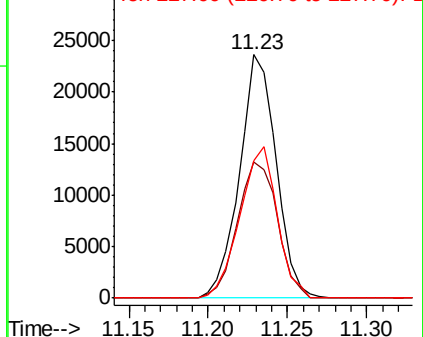


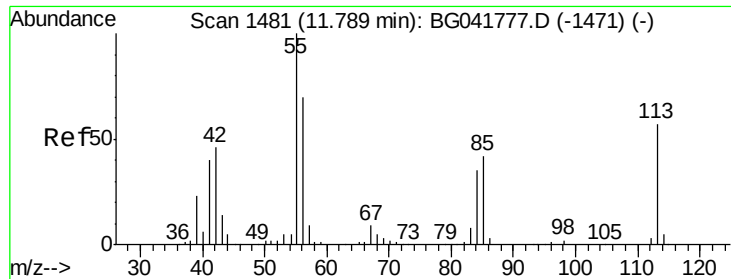
Abundance

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: 7.918 ng

RT: 11.77 min Scan# 1477

Delta R.T. -0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

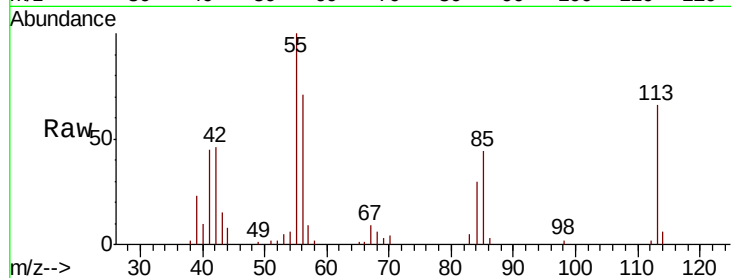
Tot Ion:113 Resp: 16737

Ion Ratio Lower Upper

113 100

55 150.7 199.4 239.4#

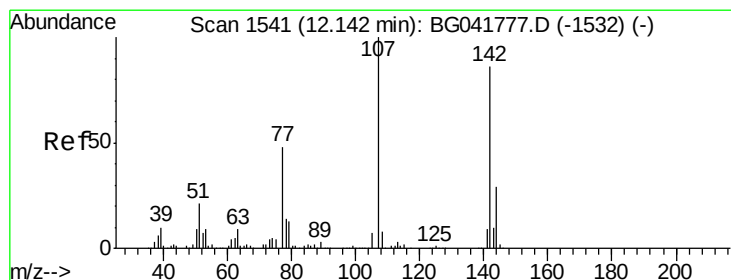
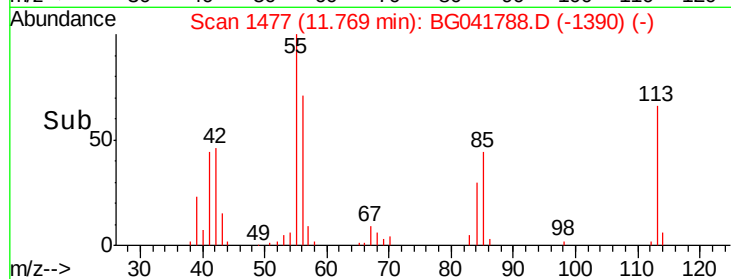
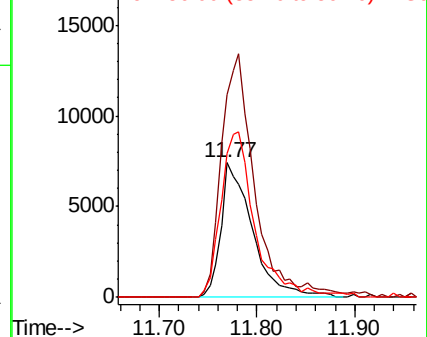
56 106.9 133.6 173.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 7.943 ng

RT: 12.15 min Scan# 1542

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

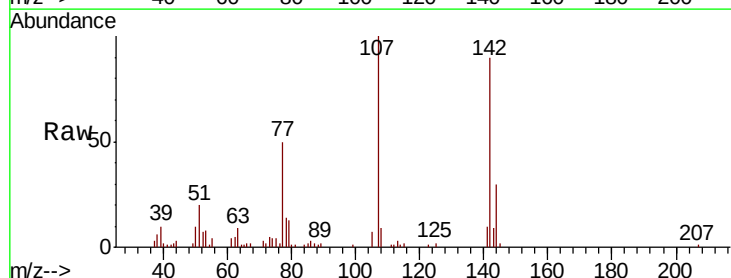
Tgt Ion:107 Resp: 47895

Ion Ratio Lower Upper

107 100

144 30.4 22.2 33.2

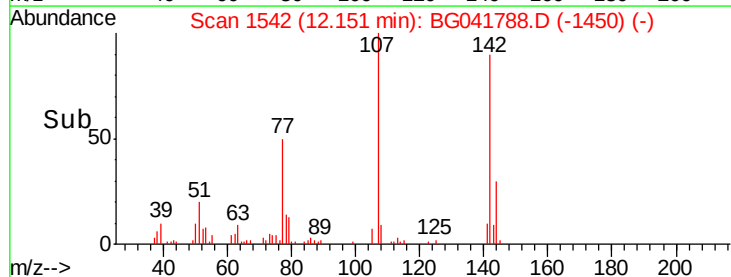
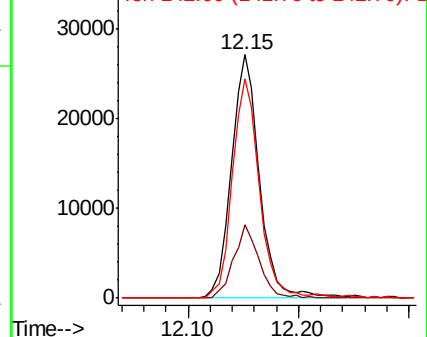
142 89.9 67.3 100.9

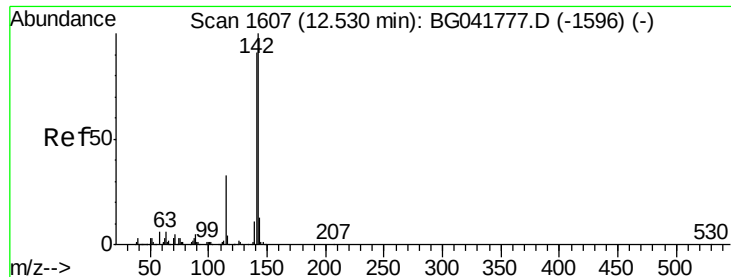


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

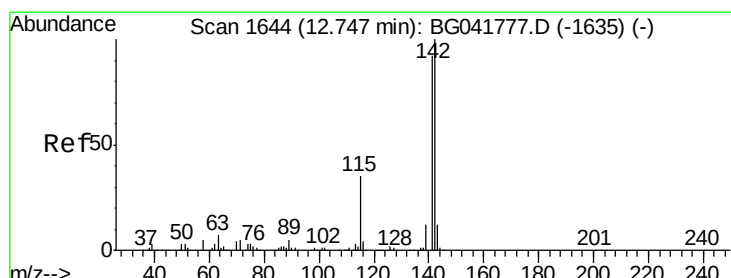
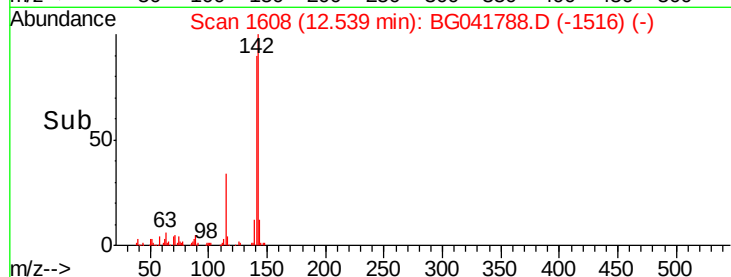
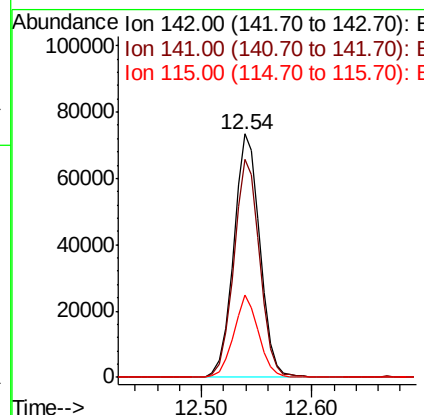
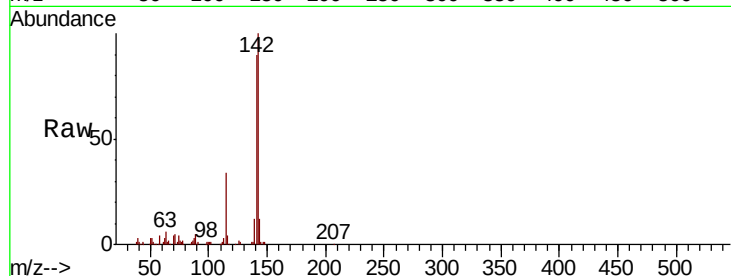




#37
2-Methylnaphthalene
Concen: 8.440 ng
RT: 12.54 min Scan# 1608
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

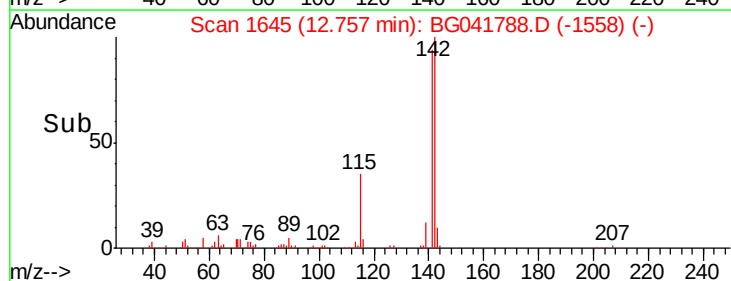
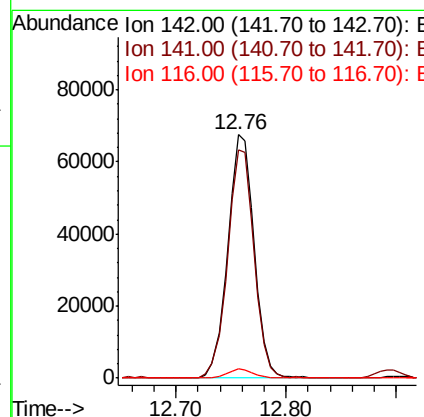
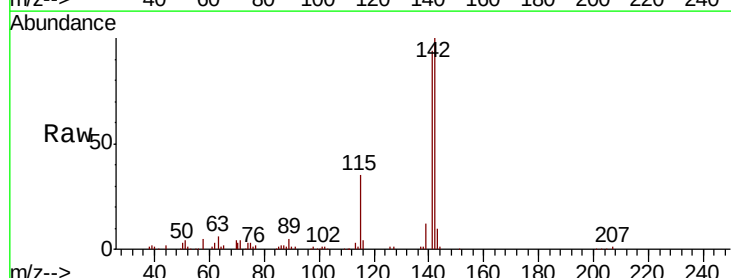
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

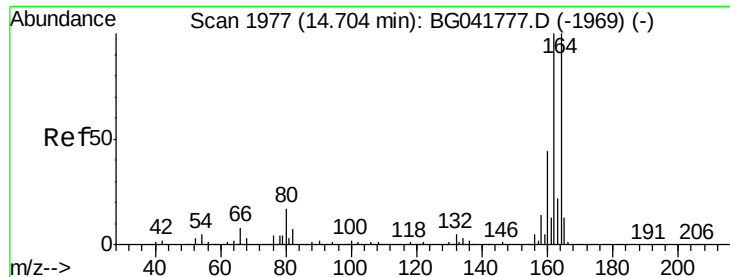
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.7	109.1
115	33.6	27.0	40.4



#38
1-Methylnaphthalene
Concen: 8.226 ng
RT: 12.76 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	75.4	113.2
116	3.8	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

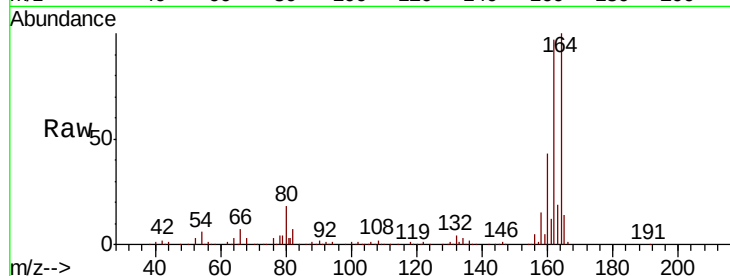
Tot Ion:164 Resp: 295513

Ion Ratio Lower Upper

164 100

162 96.8 79.6 119.4

160 43.1 35.4 53.0

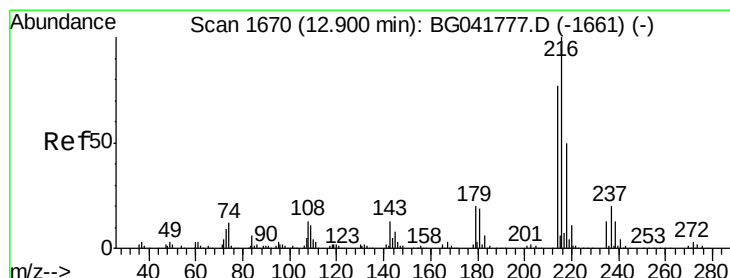
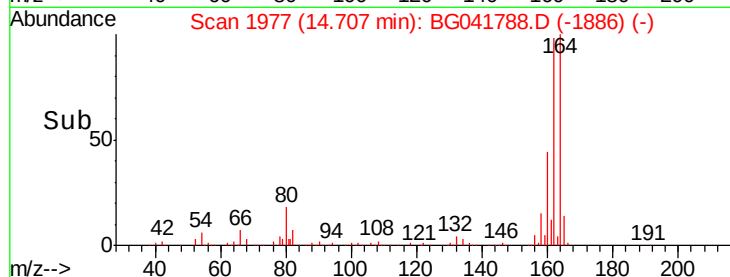
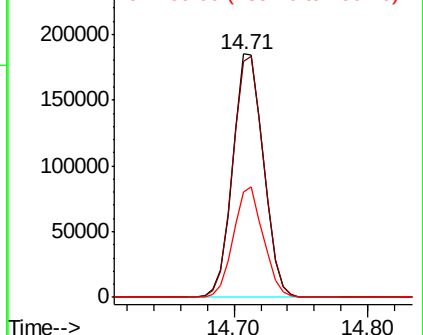


Abundance

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: 7.883 ng

RT: 12.91 min Scan# 1671

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:216 Resp: 73743

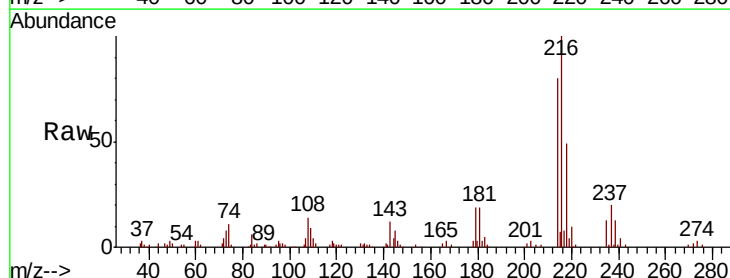
Ion Ratio Lower Upper

216 100

214 76.6 61.5 92.3

179 18.7 16.2 24.2

108 12.8 13.2 19.8#



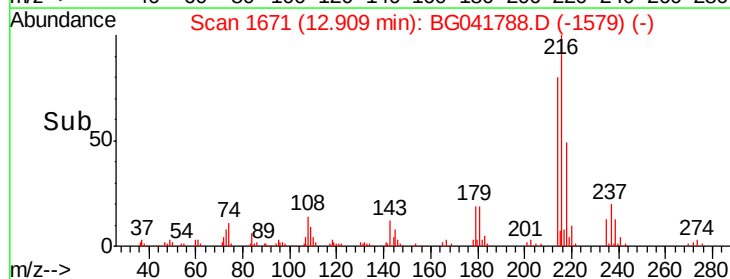
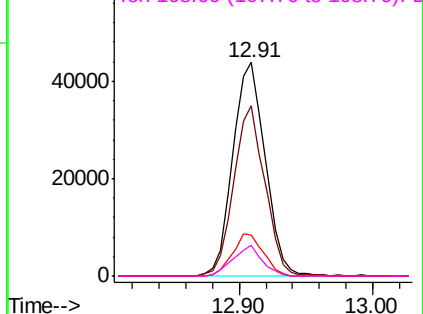
Abundance

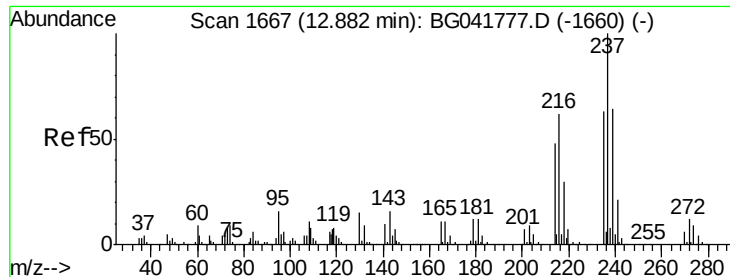
Ion 216.00 (215.70 to 216.70): E

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

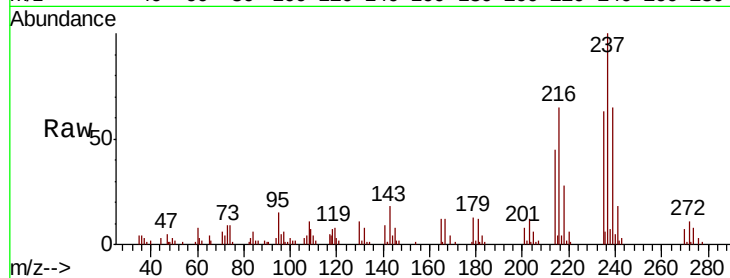




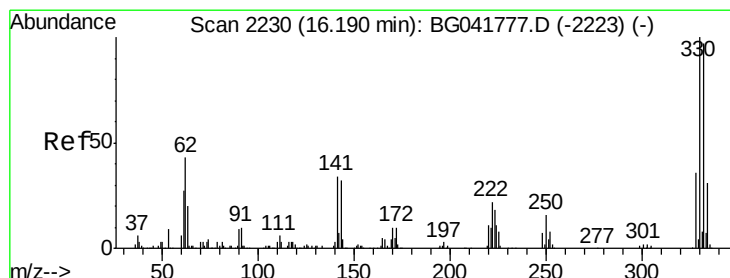
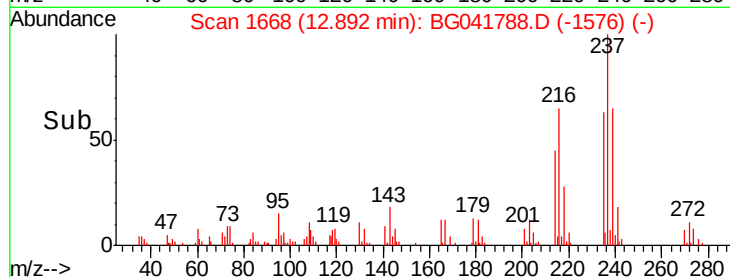
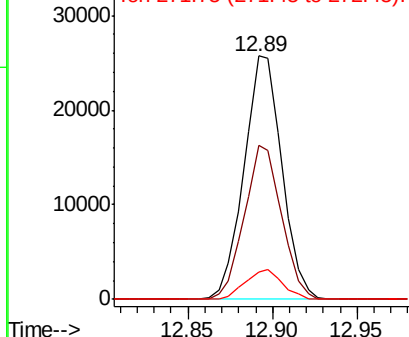
#41
Hexachlorocyclopentadiene
Concen: 7.629 ng
RT: 12.89 min Scan# 1668
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:237 Resp: 40124
Ion Ratio Lower Upper
237 100
235 63.1 43.5 83.5
272 11.2 0.0 31.2

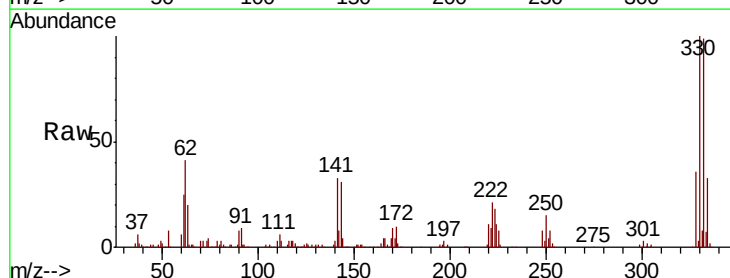


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

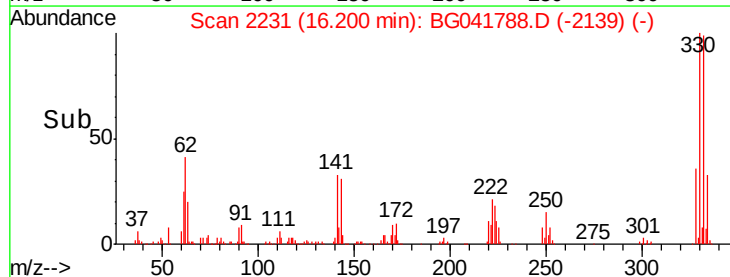
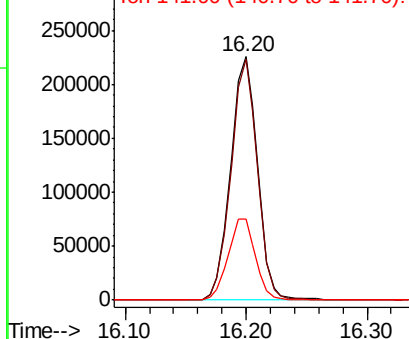


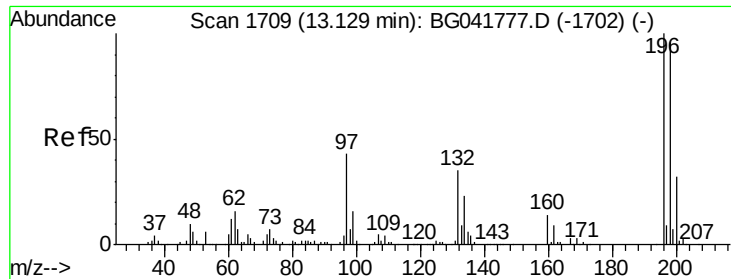
#42
2,4,6-Tribromophenol
Concen: 104.324 ng
RT: 16.20 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:330 Resp: 350177
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 34.1 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

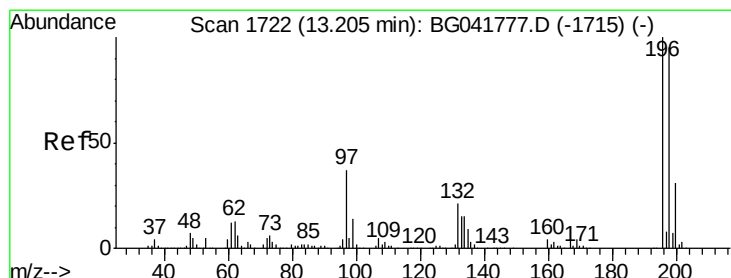
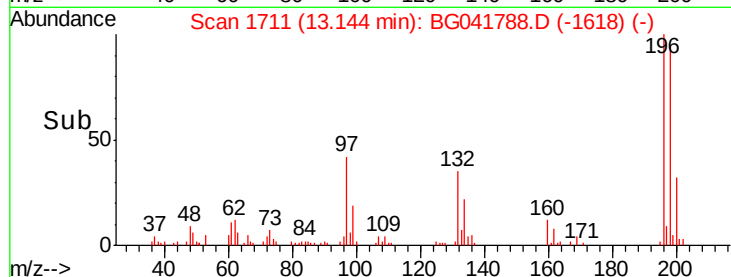
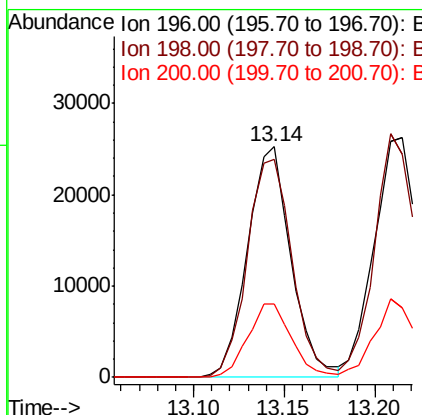
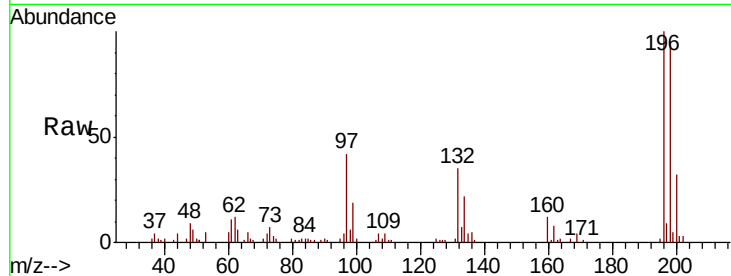




#43
 2,4,6-Trichlorophenol
 Concen: 7.157 ng
 RT: 13.14 min Scan# 1711
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

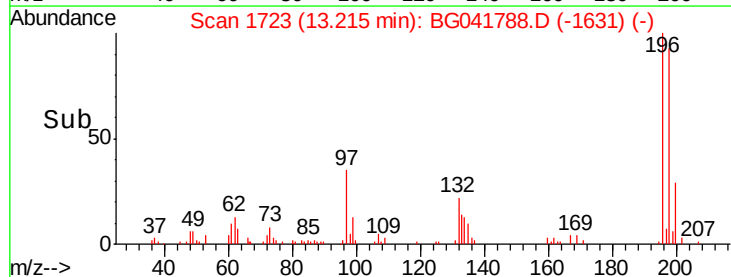
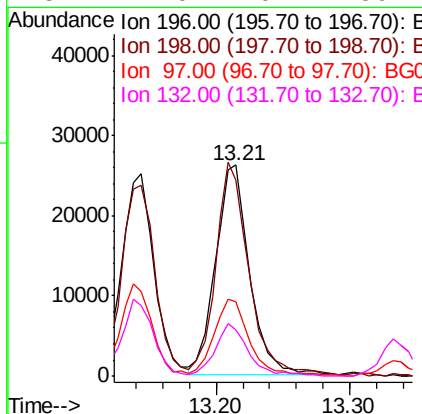
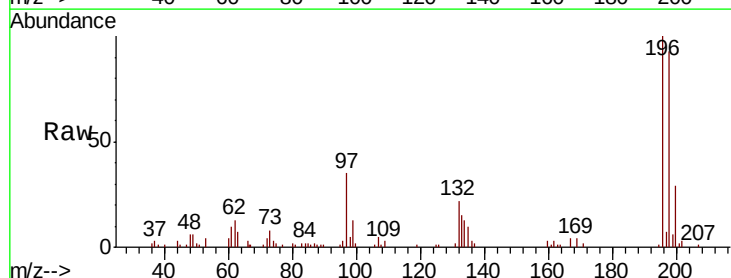
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

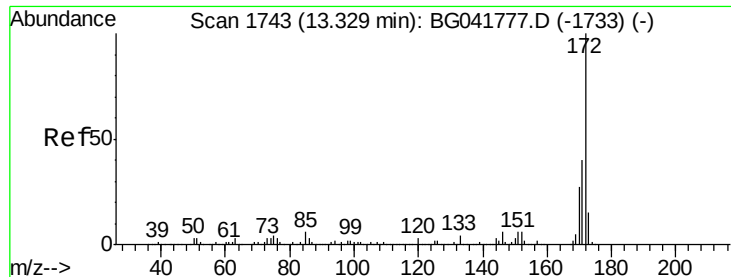
Tot Ion:196 Resp: 42315
 Ion Ratio Lower Upper
 196 100
 198 94.4 79.6 119.4
 200 31.8 25.2 37.8



#44
 2,4,5-Trichlorophenol
 Concen: 7.613 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. 0.01 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion:196 Resp: 46775
 Ion Ratio Lower Upper
 196 100
 198 93.1 80.6 121.0
 97 35.2 33.9 50.9
 132 22.0 20.2 30.2

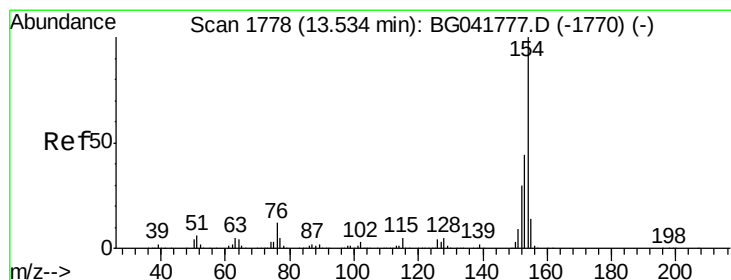
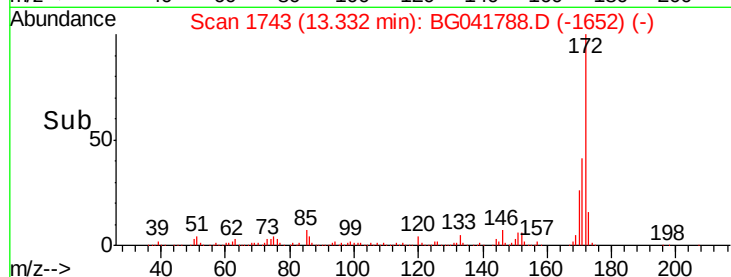
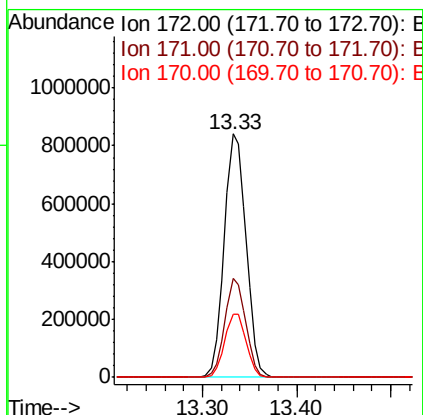
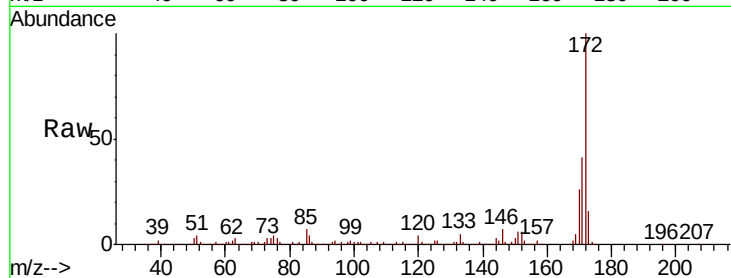




#45
2-Fluorobiphenyl
Concen: 81.138 ng
RT: 13.33 min Scan# 1743
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

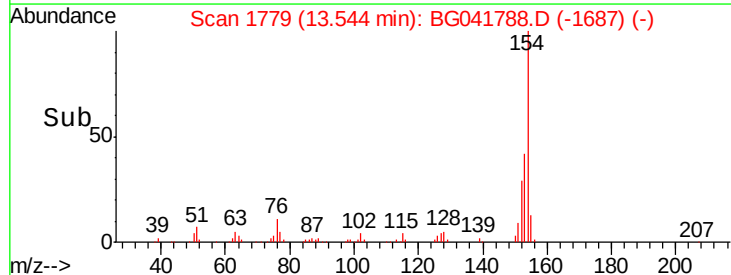
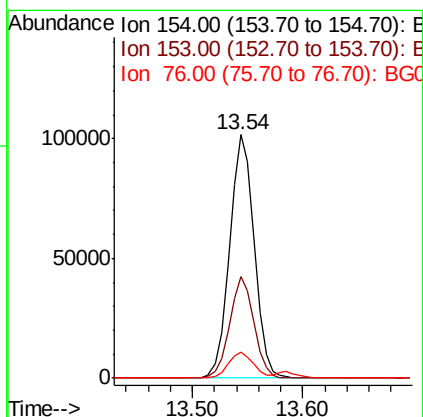
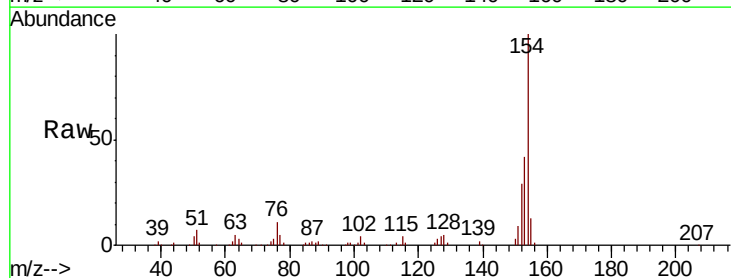
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

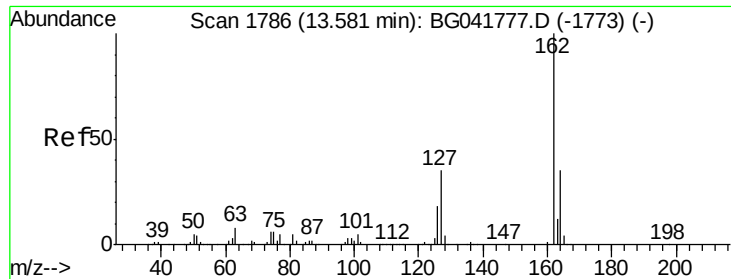
Tot Ion:172 Resp: 1359475
Ion Ratio Lower Upper
172 100
171 40.7 35.0 52.4
170 26.2 23.5 35.3



#46
1,1'-Biphenyl
Concen: 8.334 ng
RT: 13.54 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:154 Resp: 158316
Ion Ratio Lower Upper
154 100
153 41.9 25.0 65.0
76 10.7 0.0 34.5

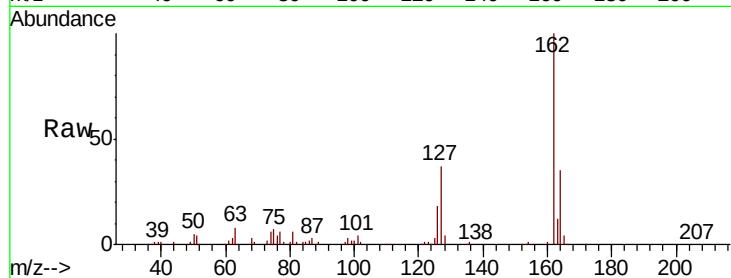




#47
2-Chloronaphthalene
Concen: 7.739 ng
RT: 13.58 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
162	100		
127	36.5	30.4	45.6
164	34.8	28.6	42.8

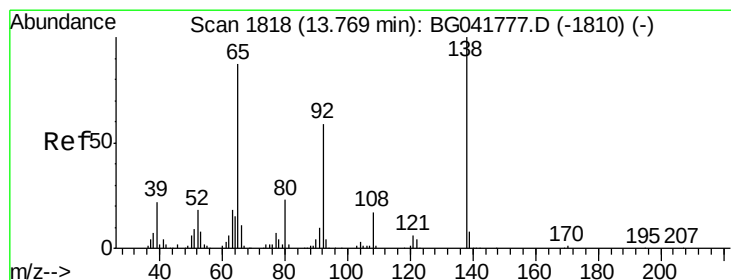
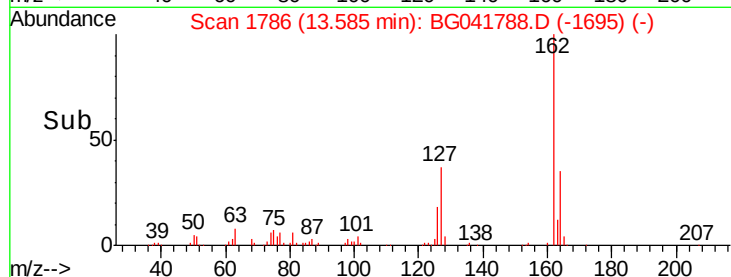
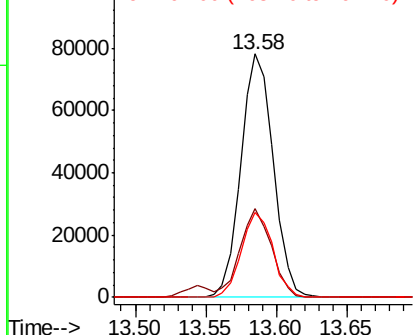


Abundance

Ion 162.00 (161.70 to 162.70): E

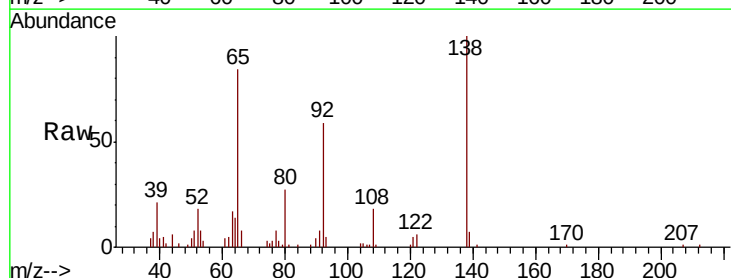
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 7.127 ng
RT: 13.78 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.1	53.9	80.9
138	118.4	83.5	125.3

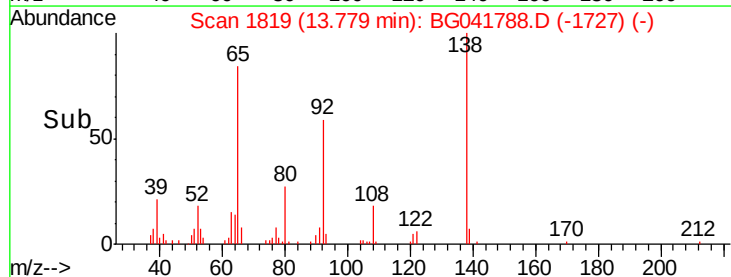
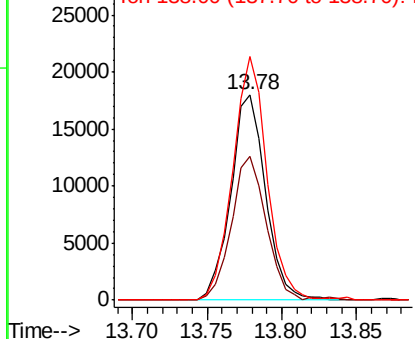


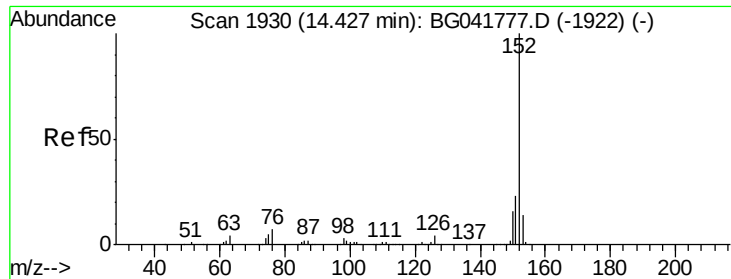
Abundance

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: 8.540 ng

RT: 14.43 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

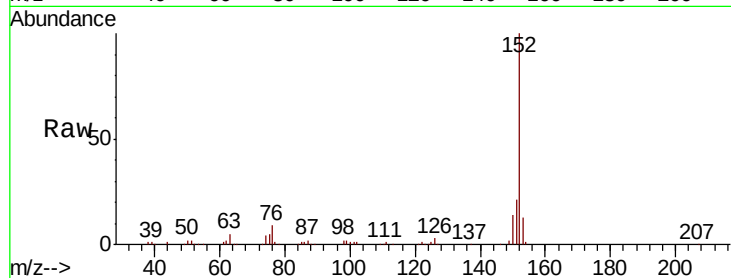
Tot Ion:152 Resp: 206617

Ion Ratio Lower Upper

152 100

151 21.4 18.7 28.1

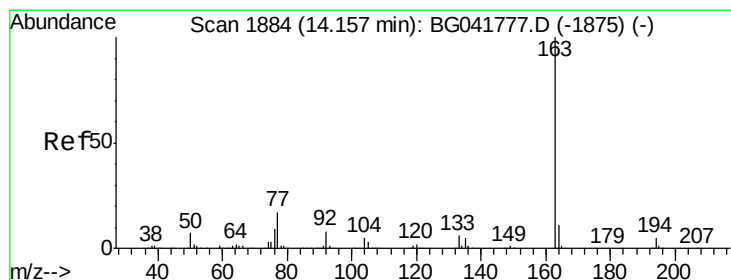
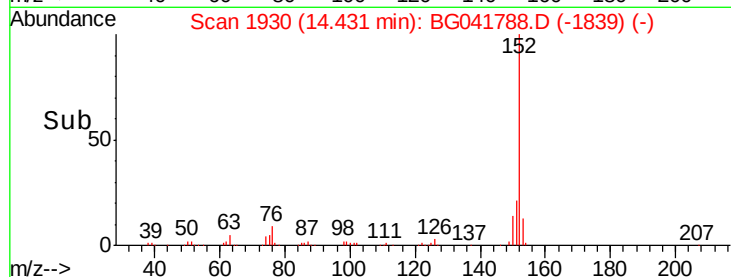
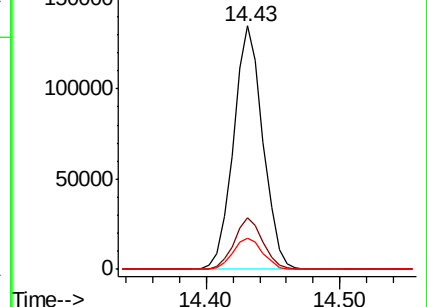
153 12.6 12.4 18.6



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: 8.378 ng

RT: 14.15 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

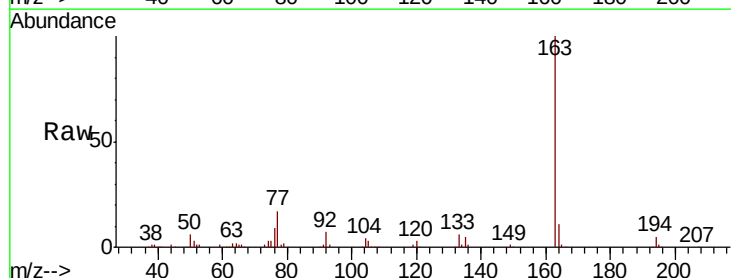
Tgt Ion:163 Resp: 169082

Ion Ratio Lower Upper

163 100

194 4.8 4.2 6.2

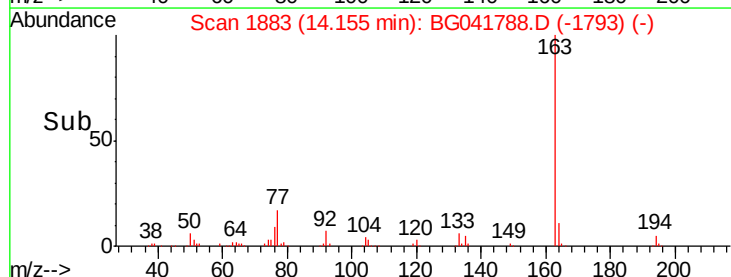
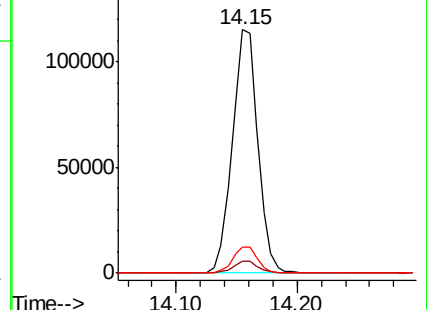
164 10.8 9.4 14.2

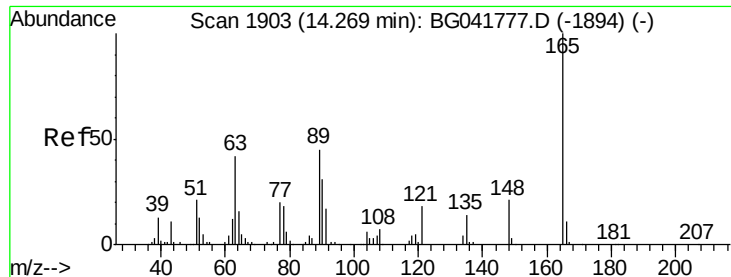


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

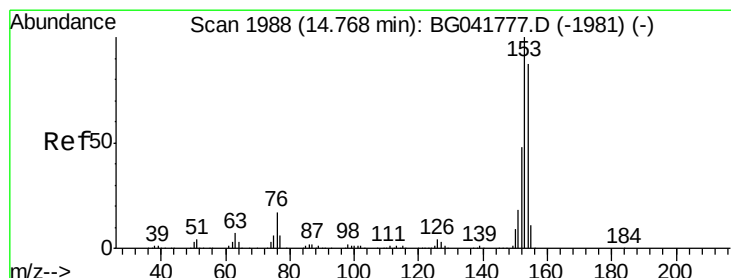
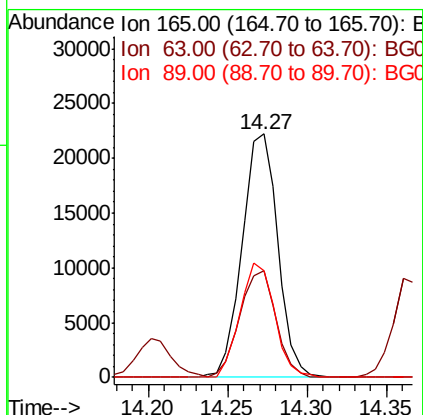
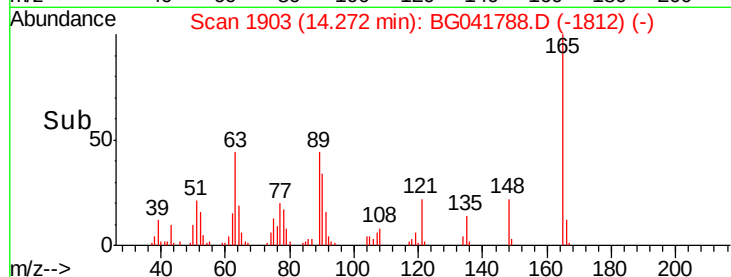
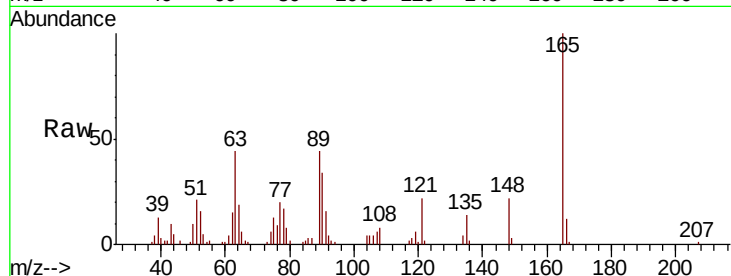




#51
 2,6-Dinitrotoluene
 Concen: 8.221 ng
 RT: 14.27 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

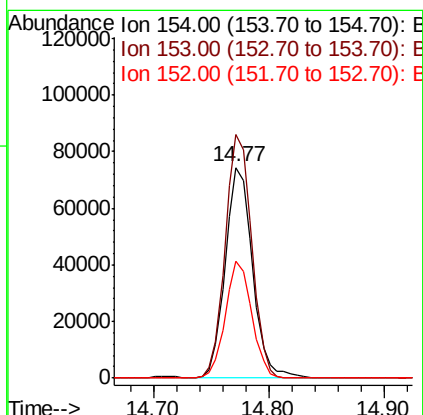
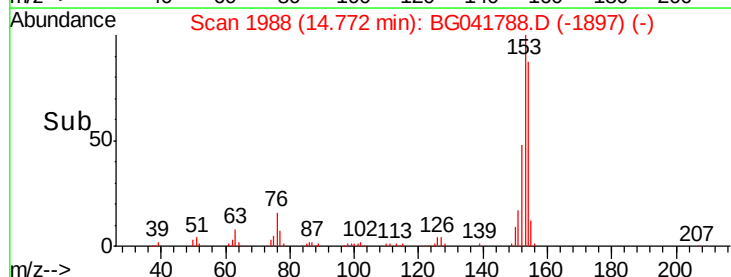
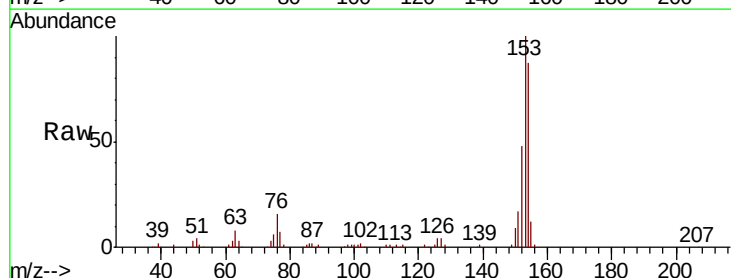
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

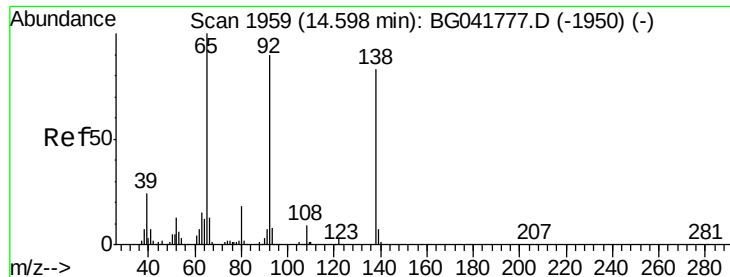
Tot Ion:165 Resp: 34692
 Ion Ratio Lower Upper
 165 100
 63 44.0 42.4 63.6
 89 43.8 42.1 63.1



#52
 Acenaphthene
 Concen: 7.758 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion:154 Resp: 122073
 Ion Ratio Lower Upper
 154 100
 153 115.5 89.8 134.6
 152 55.6 44.9 67.3





#53

3-Nitroaniline

Concen: 7.417 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

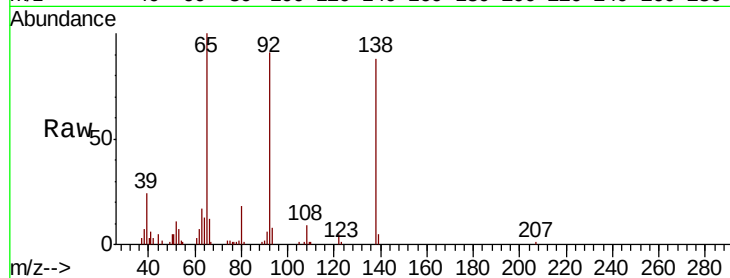
Tot Ion:138 Resp: 33488

Ion Ratio Lower Upper

138 100

108 9.9 10.3 15.5#

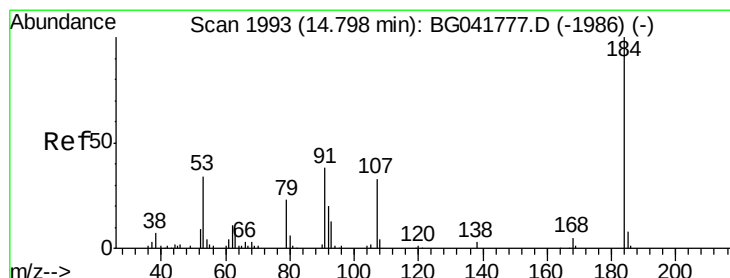
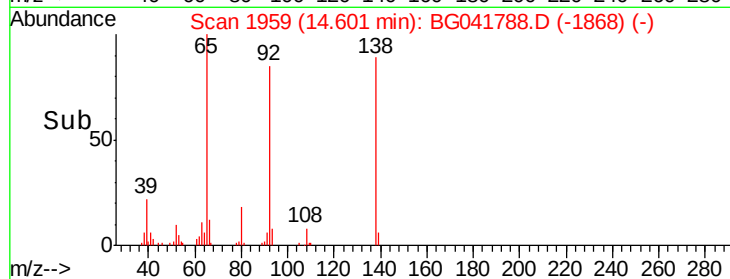
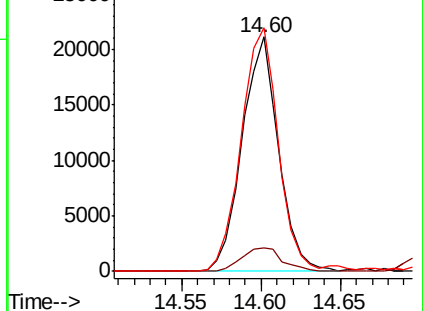
92 104.0 93.0 139.4



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: 8.235 ng

RT: 14.81 min Scan# 1994

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

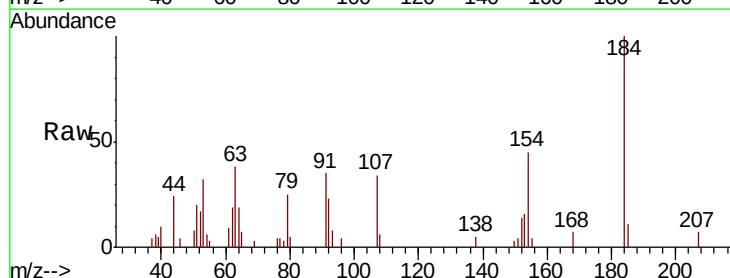
Tgt Ion:184 Resp: 9312

Ion Ratio Lower Upper

184 100

63 38.0 43.2 64.8#

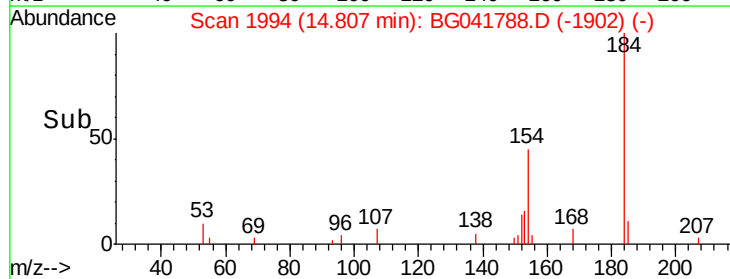
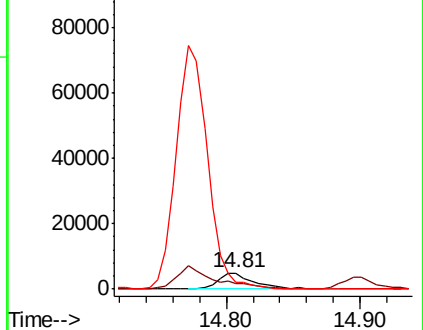
154 45.5 51.4 77.2#

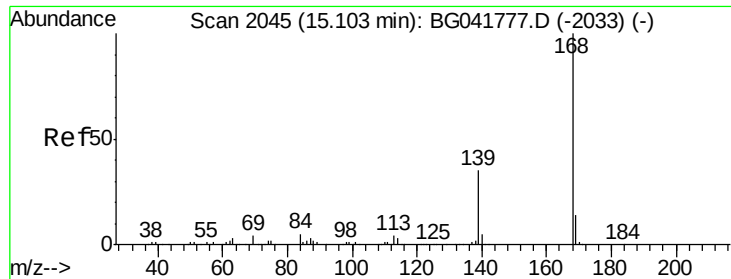


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

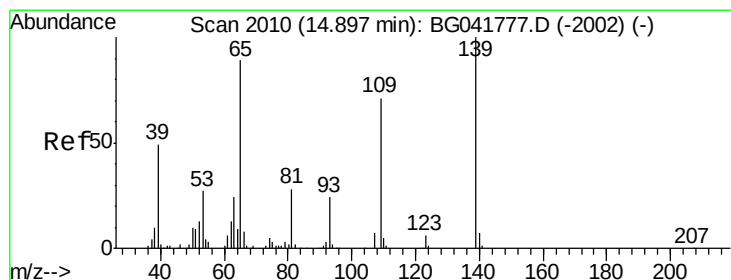
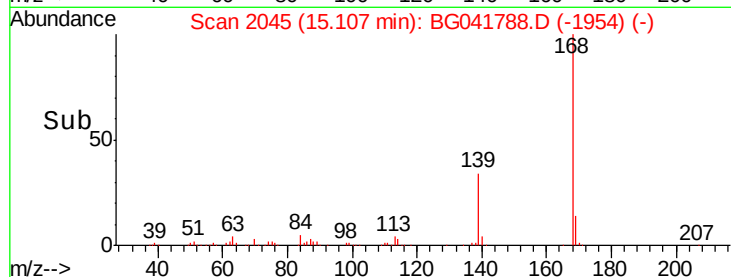
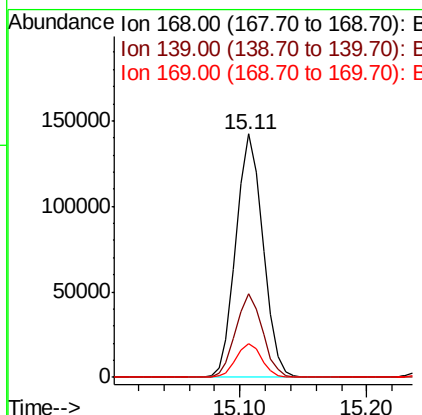
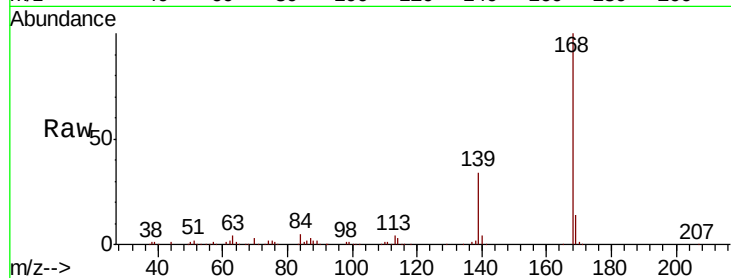




#55
Dibenzenofuran
Concen: 8.731 ng
RT: 15.11 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

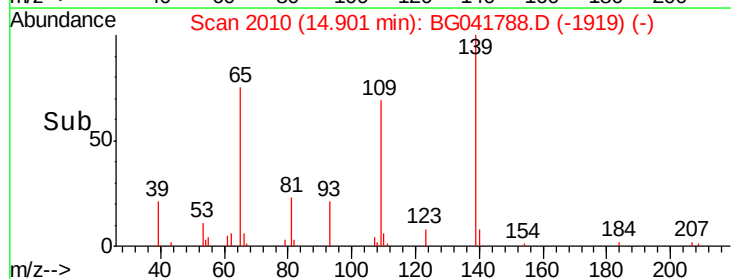
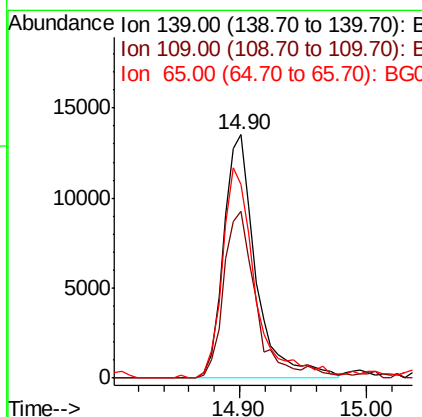
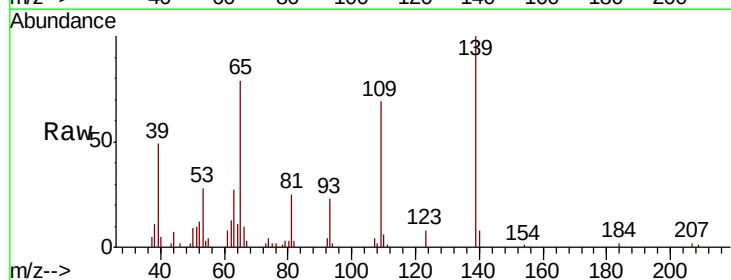
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

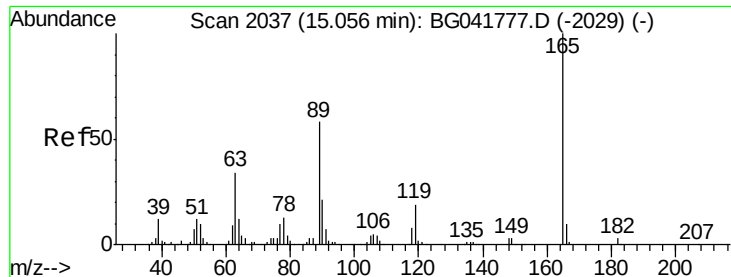
Tot Ion	Ratio	Lower	Upper
168	100		
139	34.3	31.9	47.9
169	13.9	12.5	18.7



#56
4-Nitrophenol
Concen: 6.934 ng
RT: 14.90 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.7	51.3	91.3
65	79.4	77.6	117.6

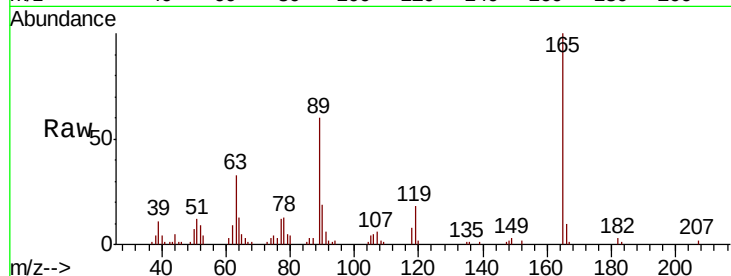




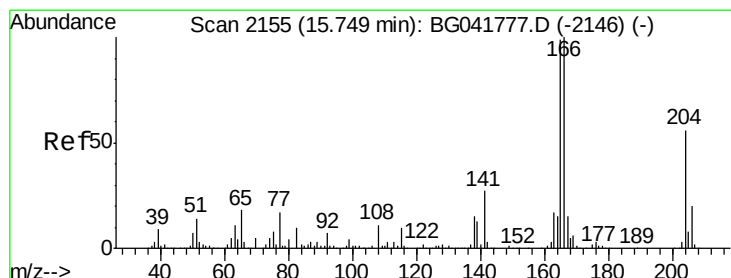
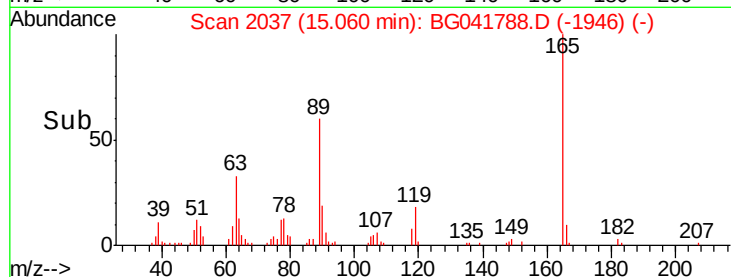
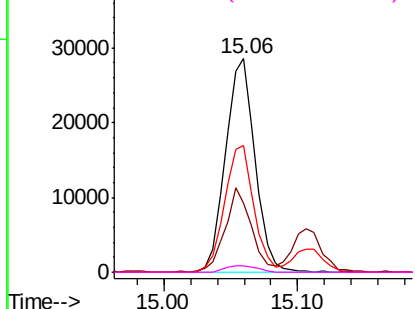
#57
 2,4-Dinitrotoluene
 Concen: 7.626 ng
 RT: 15.06 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:165 Resp: 44261
 Ion Ratio Lower Upper
 165 100
 63 32.6 31.7 47.5
 89 59.5 50.2 75.4
 182 3.3 2.6 4.0

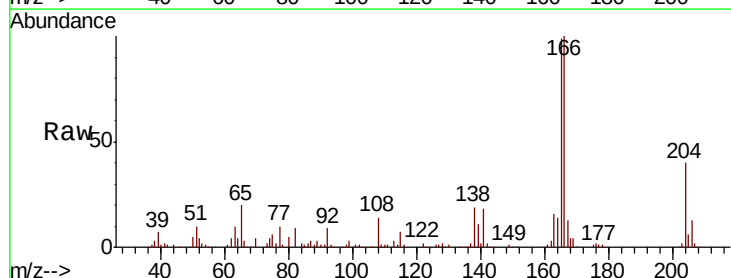


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

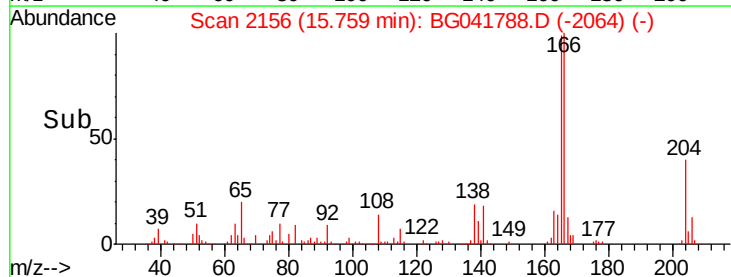
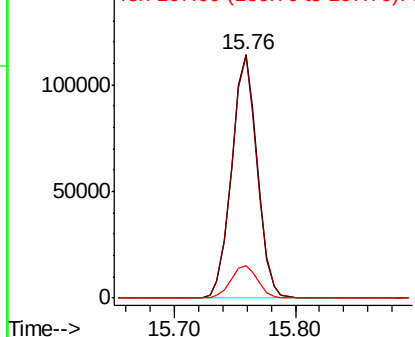


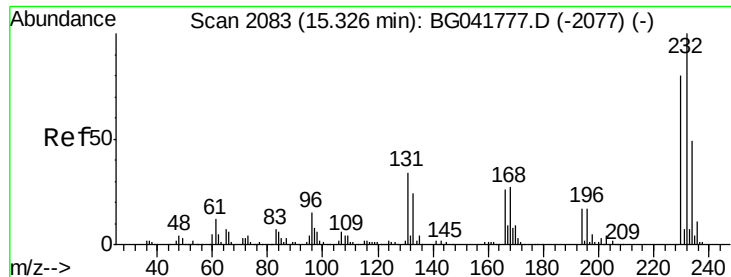
#58
 Fluorene
 Concen: 8.702 ng
 RT: 15.76 min Scan# 2156
 Delta R.T. 0.01 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion:166 Resp: 168074
 Ion Ratio Lower Upper
 166 100
 165 99.5 80.5 120.7
 167 13.1 12.4 18.6



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

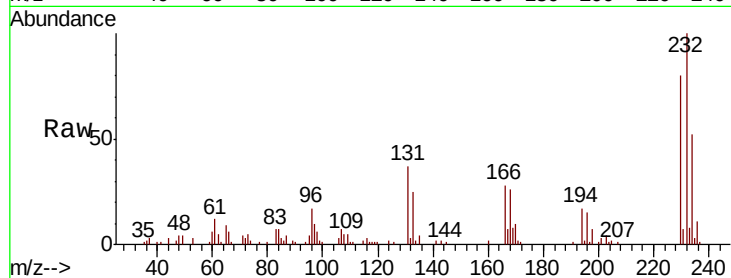




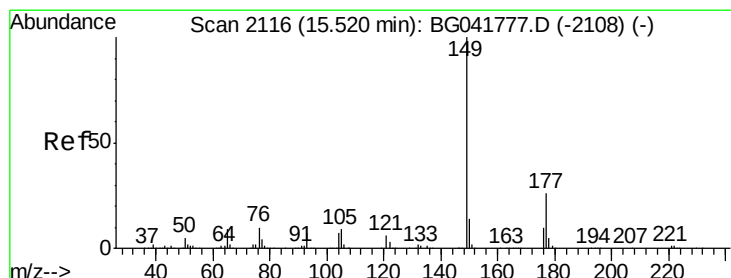
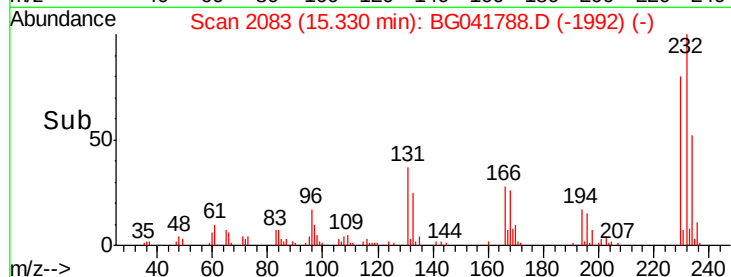
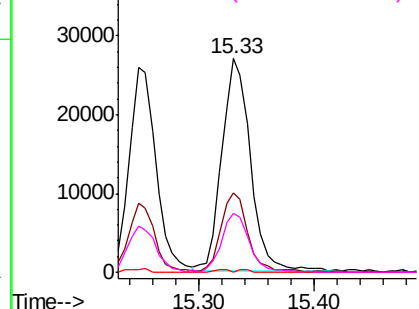
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.587 ng
 RT: 15.33 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:232 Resp: 46167
 Ion Ratio Lower Upper
 232 100
 131 35.4 31.8 47.6
 130 0.6 1.8 2.8#
 166 27.2 23.5 35.3

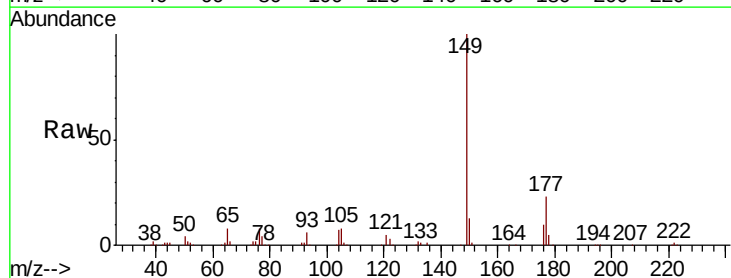


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

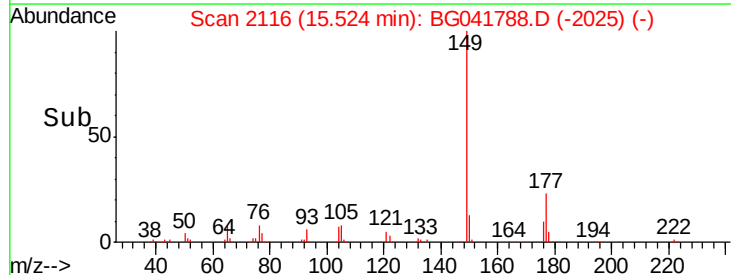
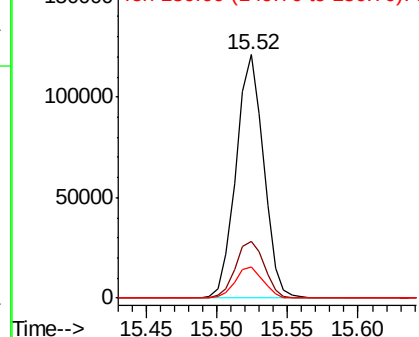


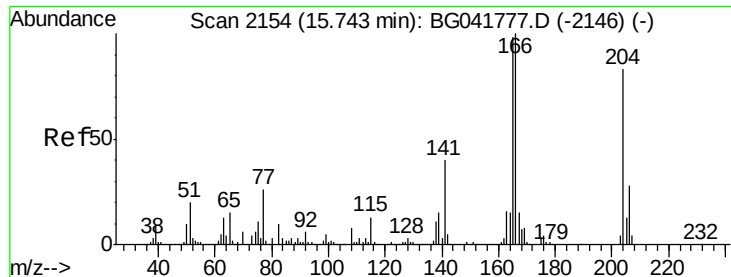
#60
 Diethylphthalate
 Concen: 8.322 ng
 RT: 15.52 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion:149 Resp: 164897
 Ion Ratio Lower Upper
 149 100
 177 23.1 20.7 31.1
 150 12.7 11.5 17.3



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

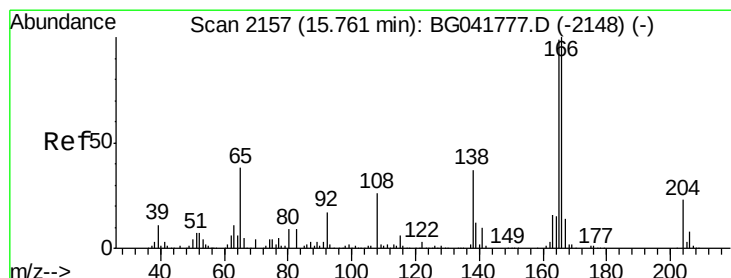
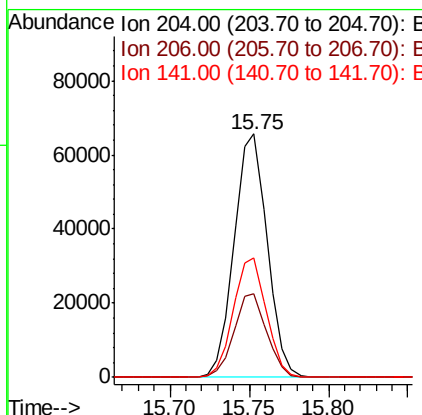
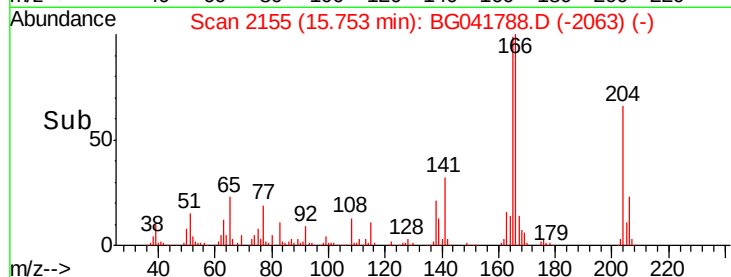
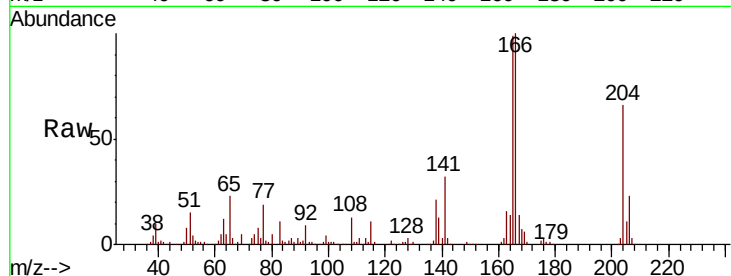




#61
4-Chlorophenyl-phenylether
Concen: 8.045 ng
RT: 15.75 min Scan# 2155
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

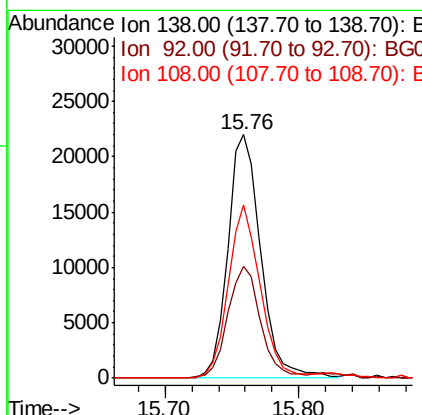
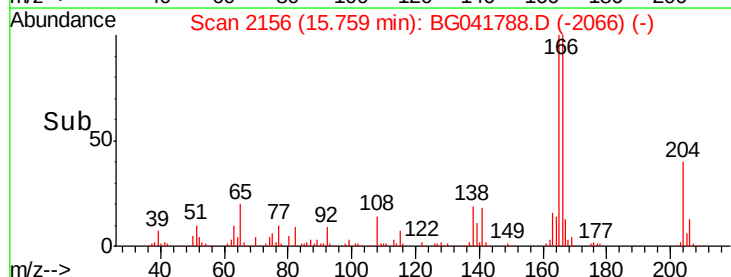
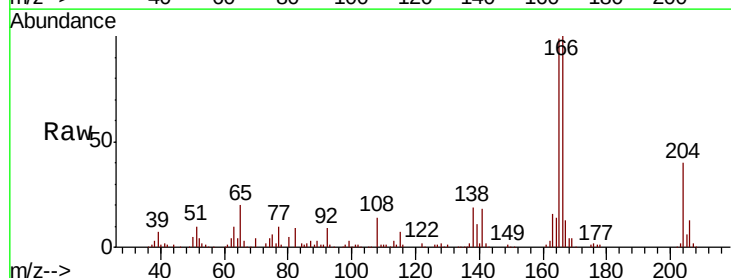
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

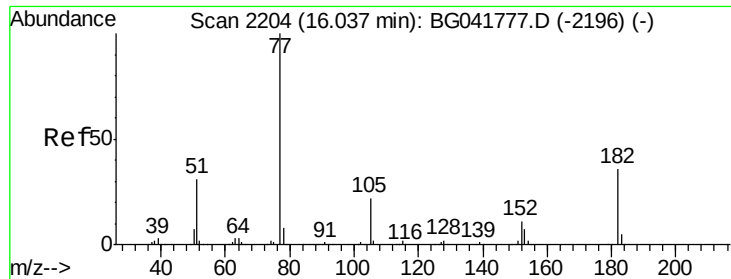
Tot Ion:204 Resp: 94864
Ion Ratio Lower Upper
204 100
206 34.3 28.6 42.8
141 48.9 42.9 64.3



#62
4-Nitroaniline
Concen: 7.715 ng
RT: 15.76 min Scan# 2156
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:138 Resp: 37726
Ion Ratio Lower Upper
138 100
92 45.7 29.8 69.8
108 71.2 52.2 92.2





#63

Azobenzene

Concen: 8.391 ng

RT: 16.05 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 77 Resp: 135811

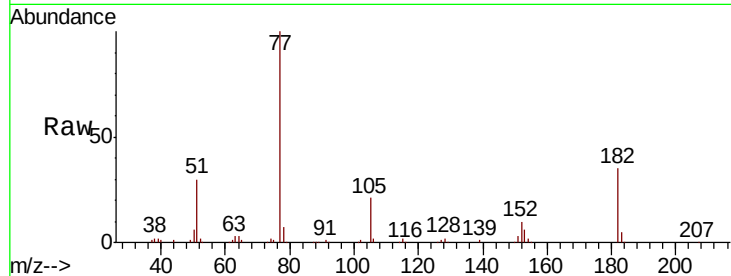
Ion Ratio Lower Upper

77 100

182 35.0 13.2 53.2

105 20.5 2.2 42.2

51 29.7 14.6 54.6

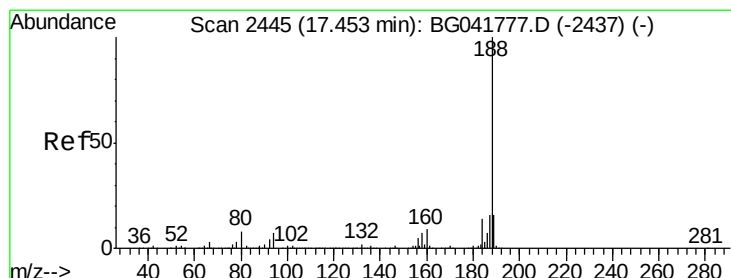
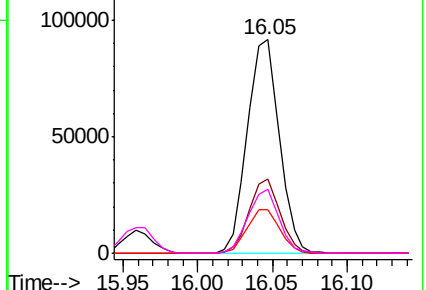
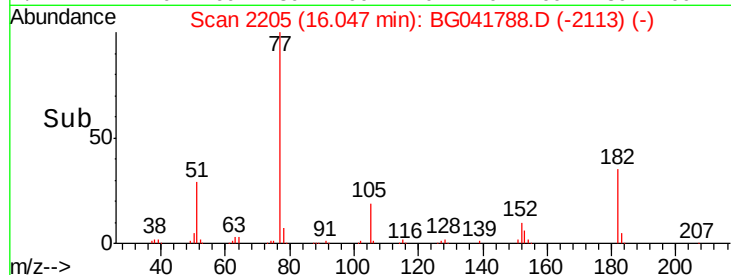


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.46 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

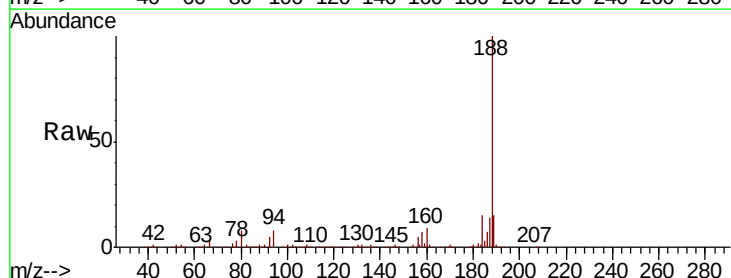
Tgt Ion: 188 Resp: 664929

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

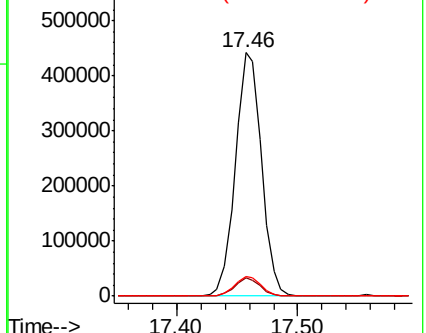
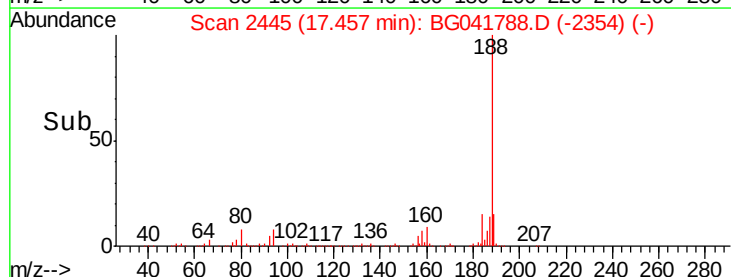
80 8.2 8.0 12.0

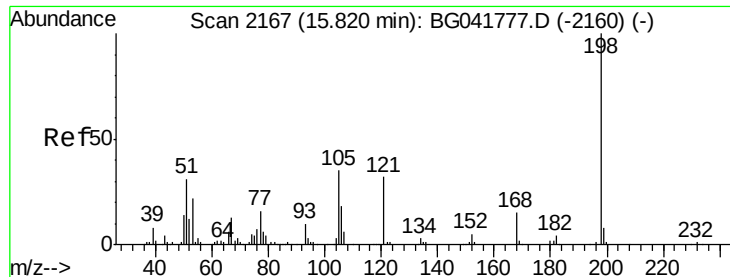


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

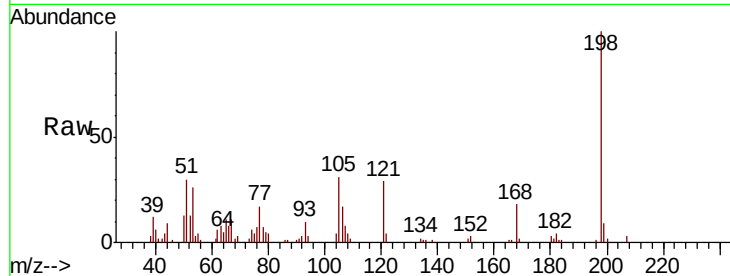




#65
4,6-Dinitro-2-methylphenol
Concen: 12.111 ng
RT: 15.82 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
198	100		
51	30.4	22.3	62.3
105	30.8	18.0	58.0

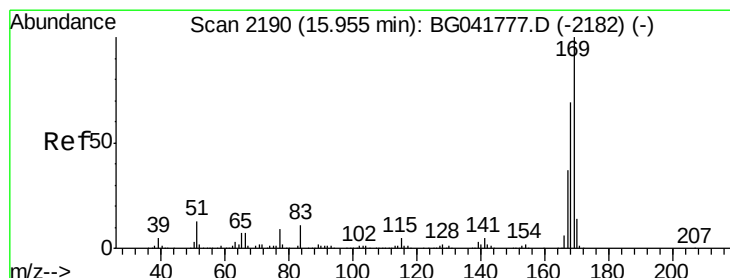
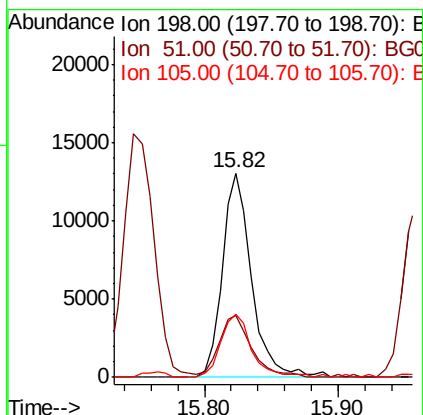
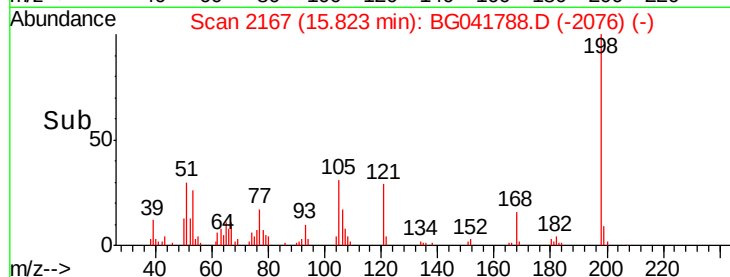


Abundance

Ion 198.00 (197.70 to 198.70): E

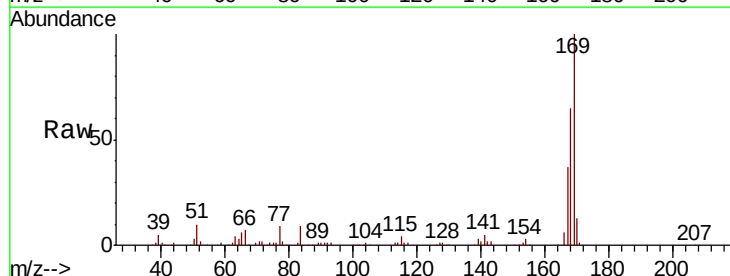
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66
n-Nitrosodiphenylamine
Concen: 8.502 ng
RT: 15.96 min Scan# 2190
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.9	56.9	85.3
167	36.5	31.5	47.3

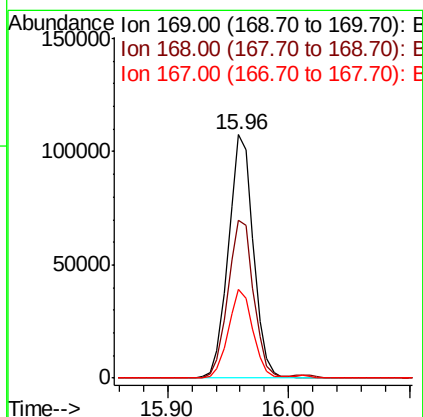
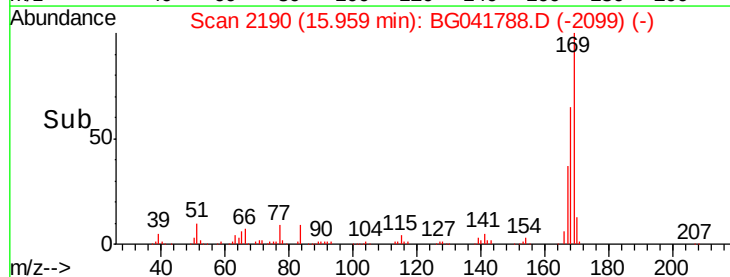


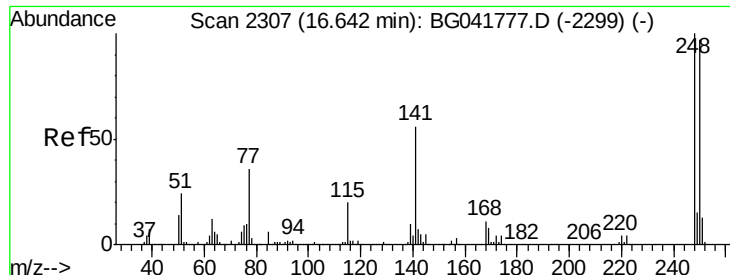
Abundance

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

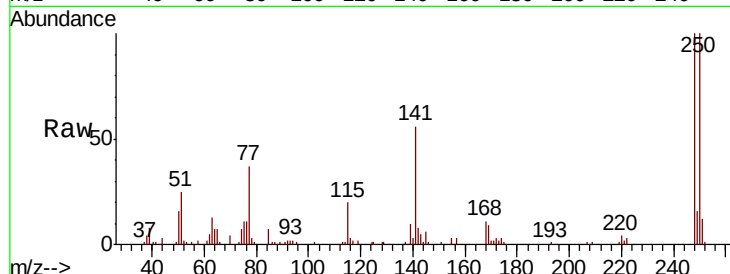




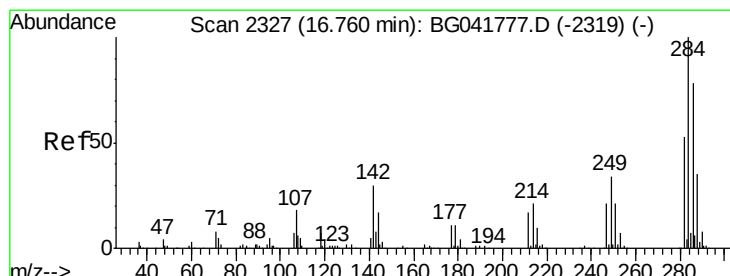
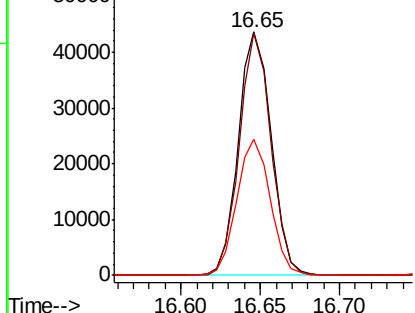
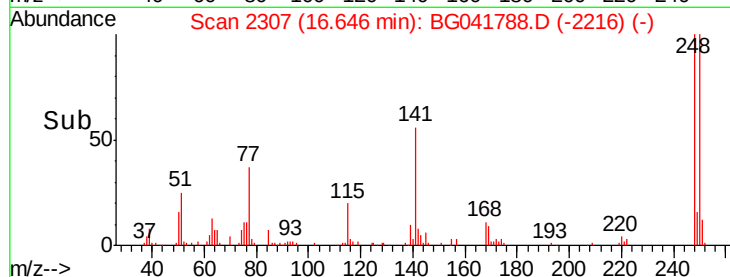
#67
4-Bromophenyl-phenylether
Concen: 7.667 ng
RT: 16.65 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:248 Resp: 62801
Ion Ratio Lower Upper
248 100
250 99.7 78.1 117.1
141 56.0 49.6 74.4

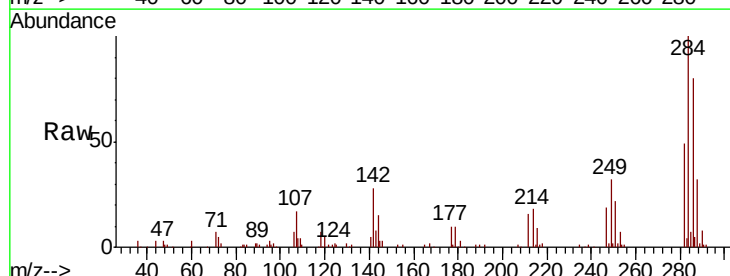


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

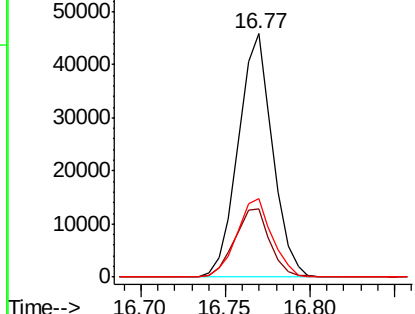
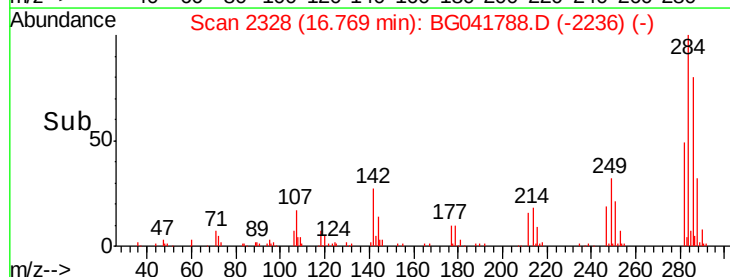


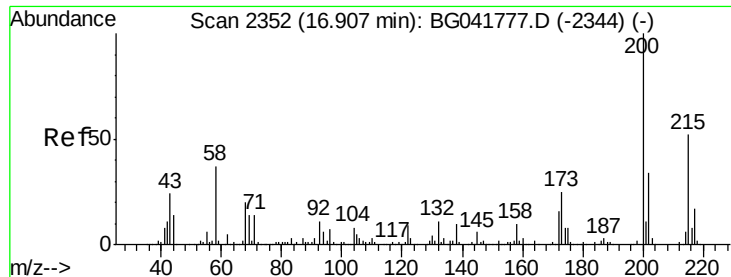
#68
Hexachlorobenzene
Concen: 7.548 ng
RT: 16.77 min Scan# 2328
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:284 Resp: 64681
Ion Ratio Lower Upper
284 100
142 27.9 27.0 40.6
249 34.4 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

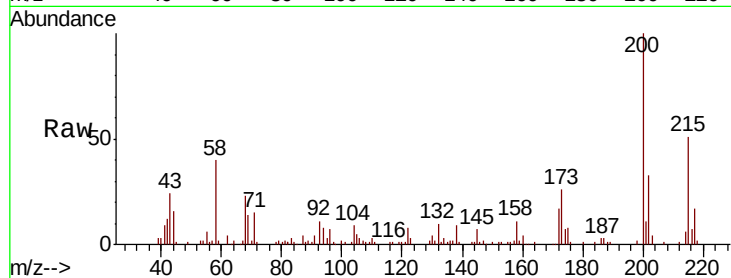




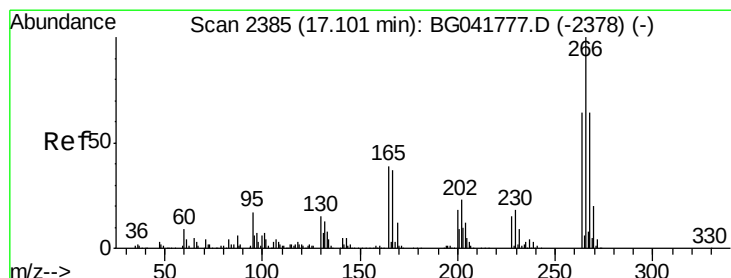
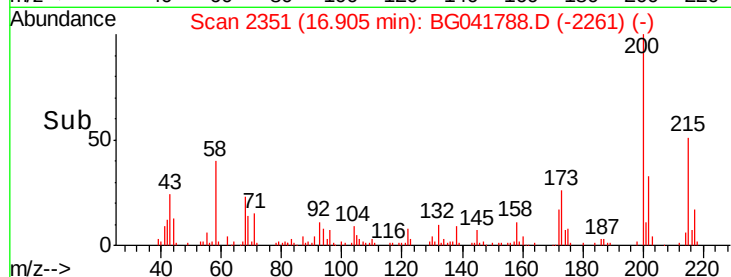
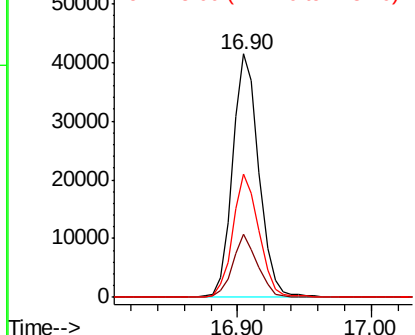
#69
Atrazine
Concen: 7.965 ng
RT: 16.90 min Scan# 2351
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:200 Resp: 56683
Ion Ratio Lower Upper
200 100
173 25.9 5.3 45.3
215 50.7 31.8 71.8

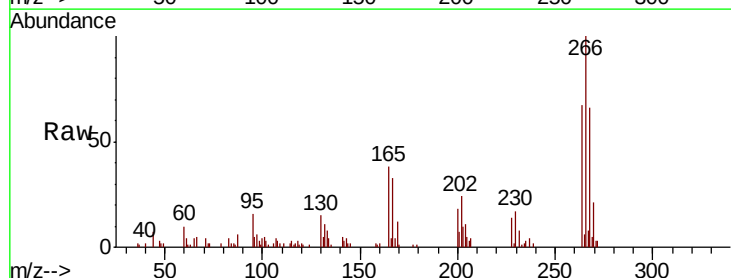


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

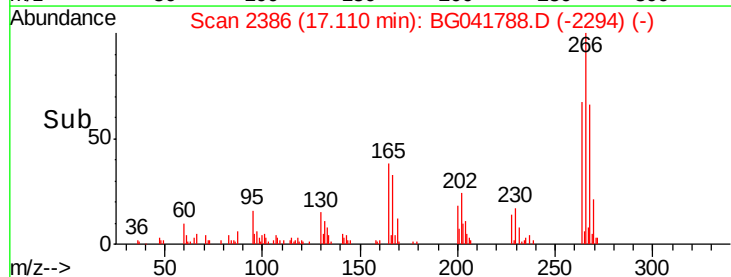
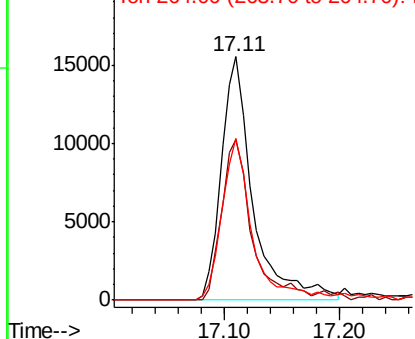


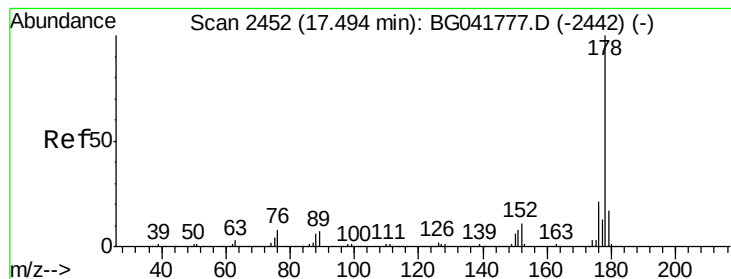
#70
Pentachlorophenol
Concen: 6.053 ng
RT: 17.11 min Scan# 2386
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:266 Resp: 29464
Ion Ratio Lower Upper
266 100
268 71.1 52.9 79.3
264 72.4 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: 8.808 ng

RT: 17.50 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

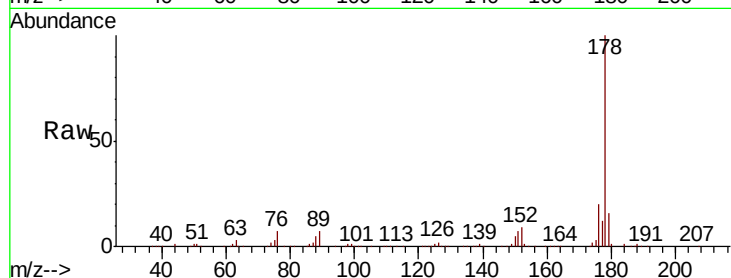
Tot Ion:178 Resp: 280733

Ion Ratio Lower Upper

178 100

176 19.6 18.6 28.0

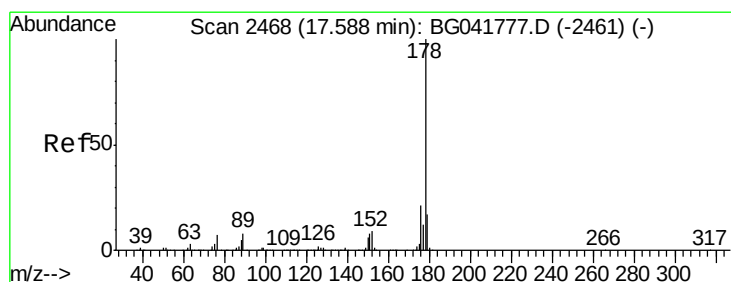
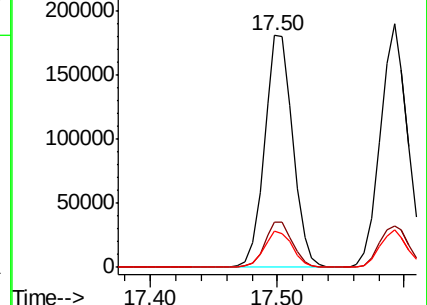
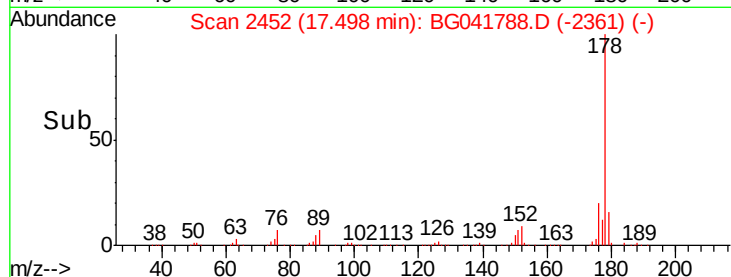
179 15.9 15.4 23.0



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: 8.832 ng

RT: 17.50 min Scan# 2452

Delta R.T. -0.09 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

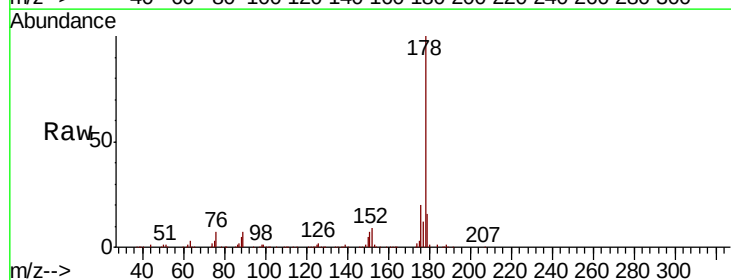
Tgt Ion:178 Resp: 280733

Ion Ratio Lower Upper

178 100

176 19.6 18.6 28.0

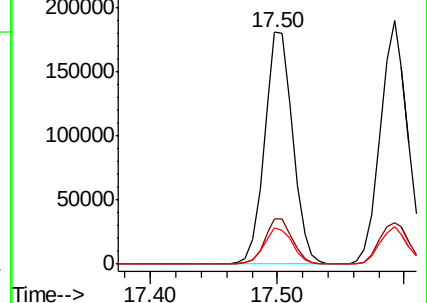
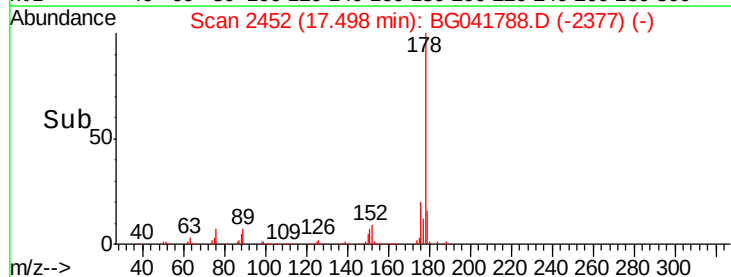
179 15.9 15.1 22.7

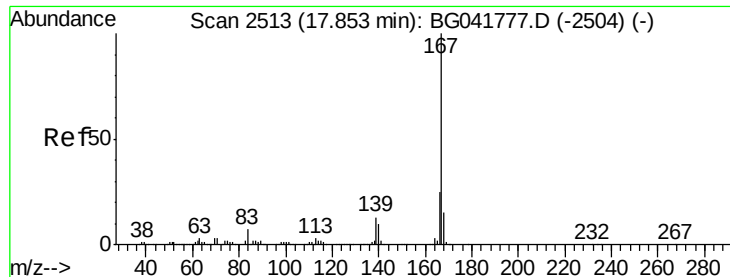


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

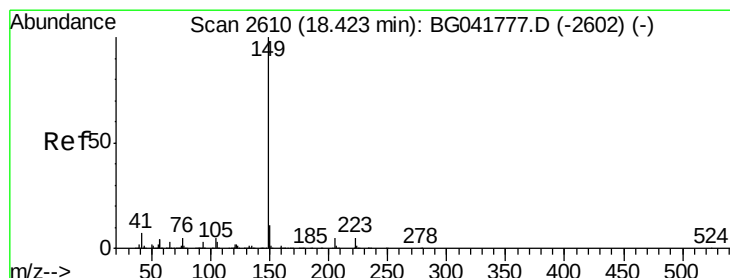
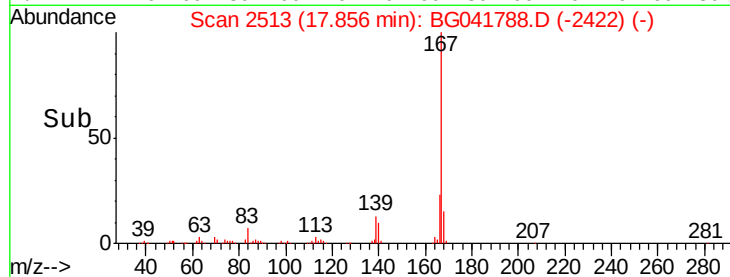
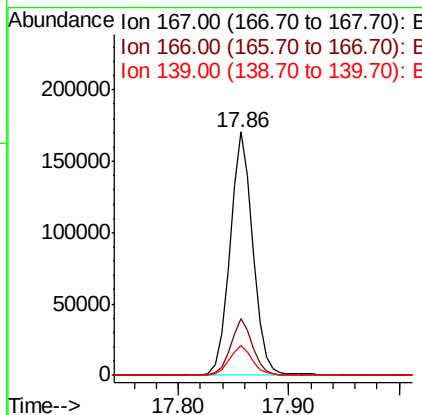
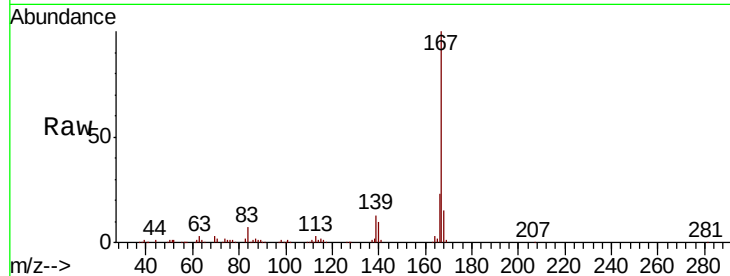




#73
 Carbazole
 Concen: 8.654 ng
 RT: 17.86 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

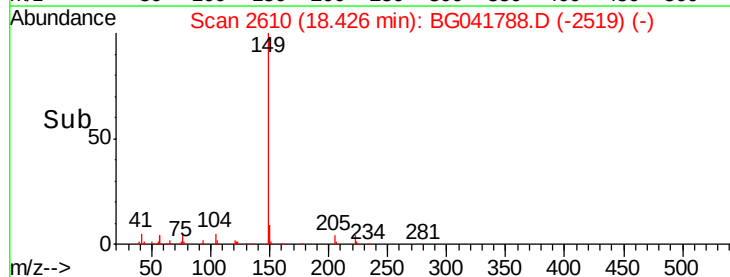
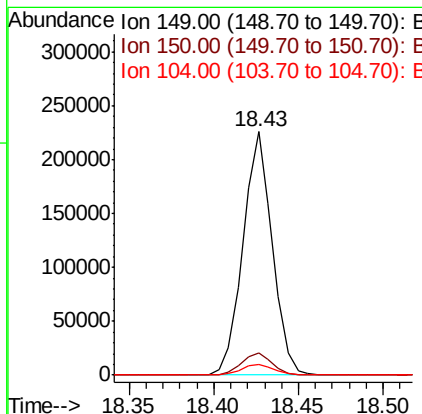
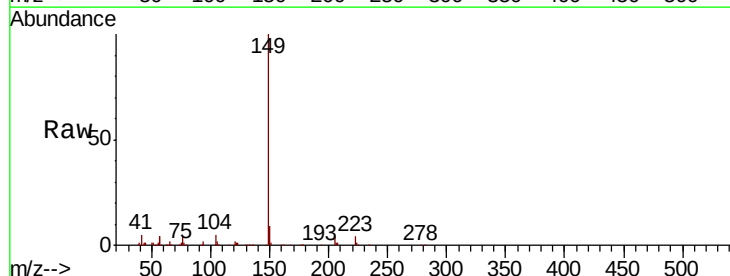
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

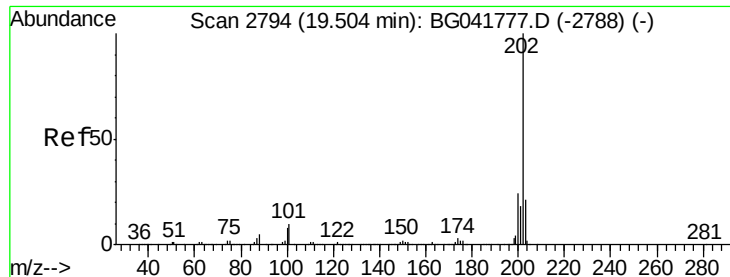
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.4	21.4	32.2
139	12.5	12.1	18.1



#74
 Di-n-butylphthalate
 Concen: 8.419 ng
 RT: 18.43 min Scan# 2610
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	10.2	15.2#
104	4.6	5.3	7.9#





#75

Fluoranthene

Concen: 9.078 ng

RT: 19.51 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

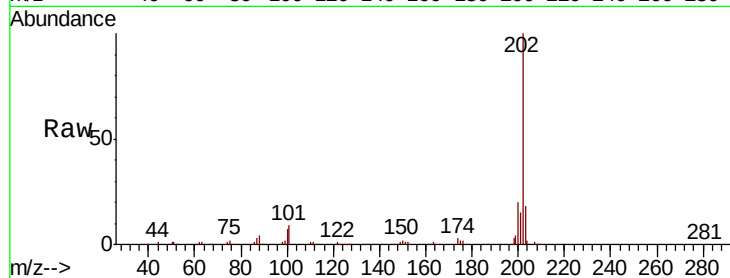
Tot Ion:202 Resp: 351700

Ion Ratio Lower Upper

202 100

101 8.6 0.0 32.8

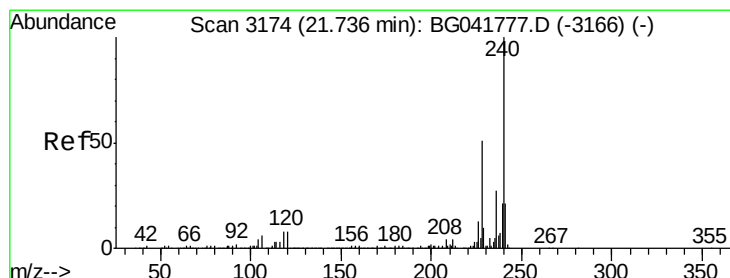
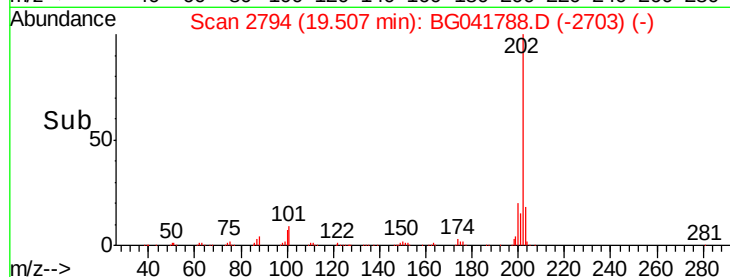
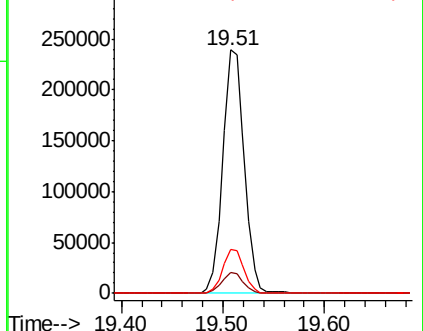
203 18.3 3.7 43.7



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: 21.74 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

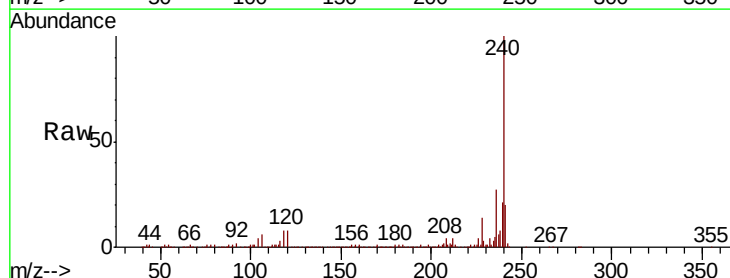
Tgt Ion:240 Resp: 674512

Ion Ratio Lower Upper

240 100

120 7.9 8.0 12.0#

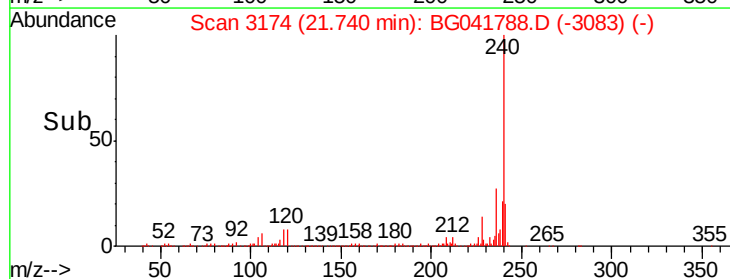
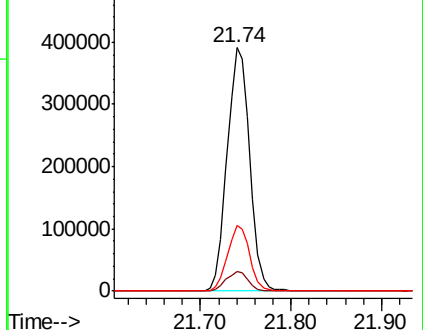
236 26.8 22.6 33.8

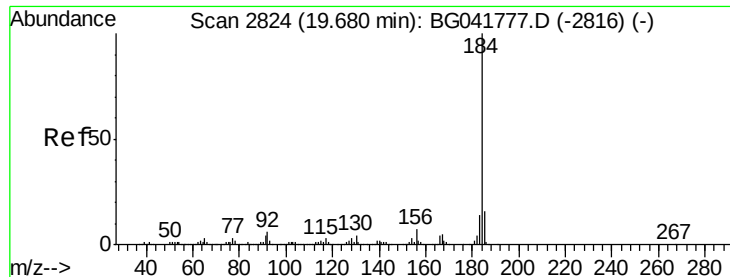


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.678 ng

RT: 19.68 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

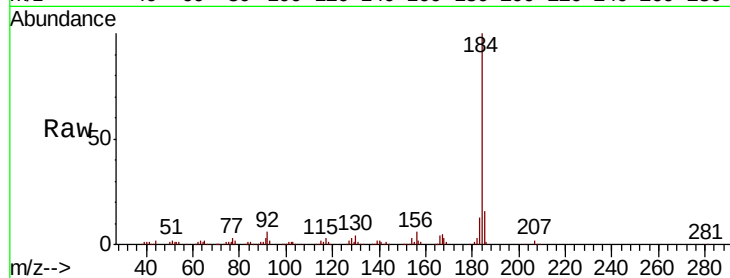
Tot Ion:184 Resp: 169036

Ion Ratio Lower Upper

184 100

185 15.5 13.0 19.4

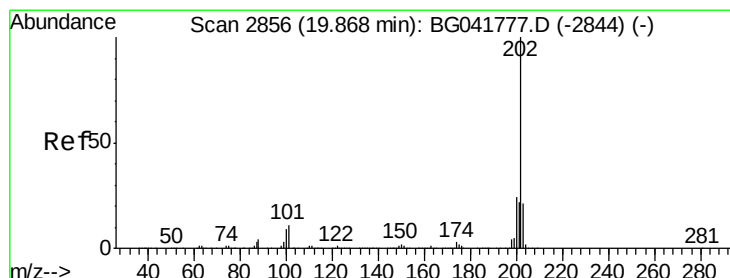
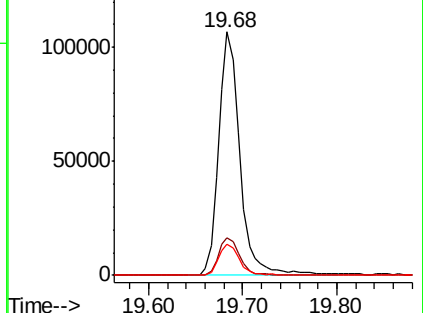
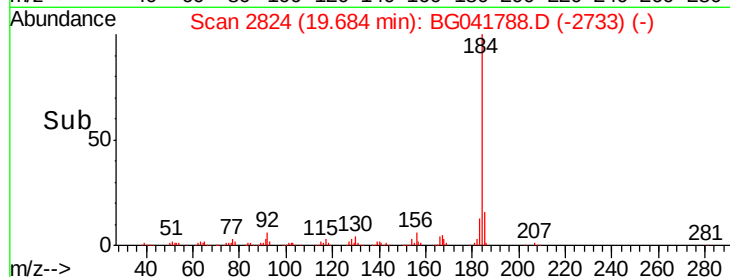
183 13.0 11.8 17.6



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: 9.155 ng

RT: 19.87 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

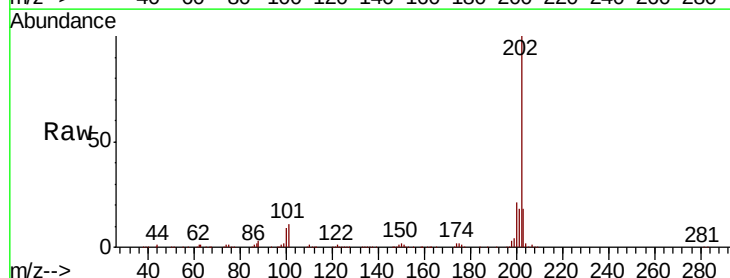
Tgt Ion:202 Resp: 365882

Ion Ratio Lower Upper

202 100

200 21.4 22.2 33.2#

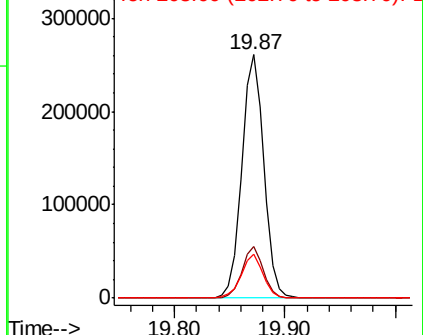
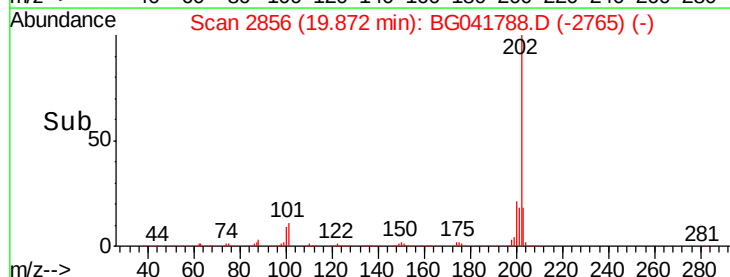
203 18.1 18.9 28.3#

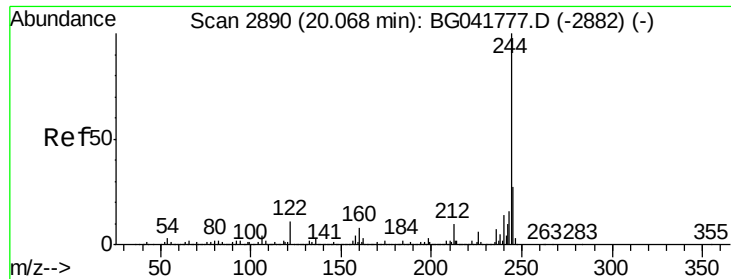


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.128 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

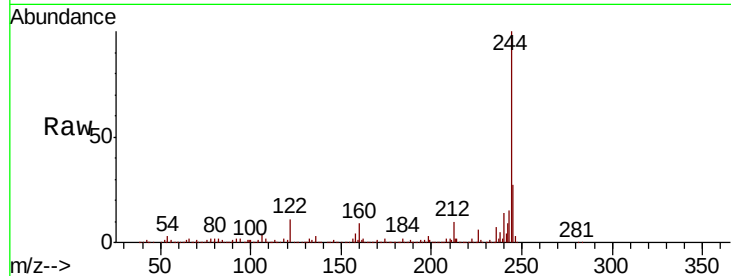
Tot Ion:244 Resp: 2155607

Ion Ratio Lower Upper

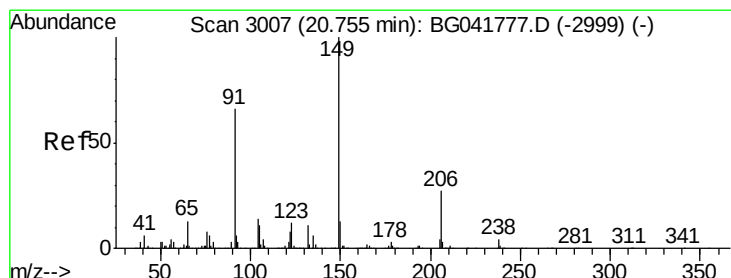
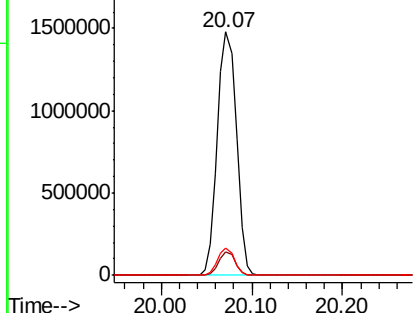
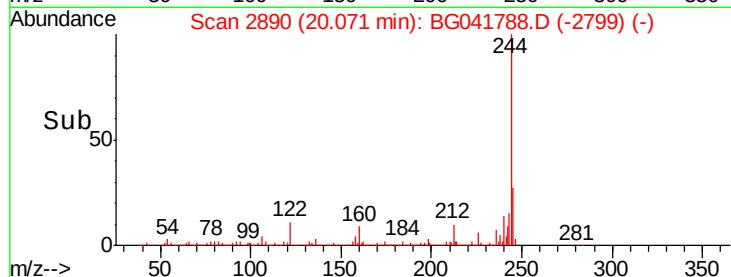
244 100

212 9.7 9.7 14.5

122 11.2 12.5 18.7#



Abundance Ion 244.00 (243.70 to 244.70): E
2000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.480 ng

RT: 20.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

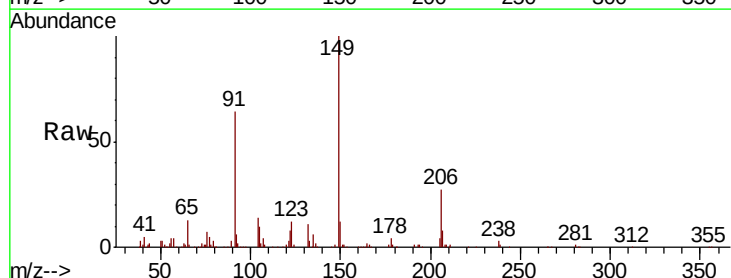
Tgt Ion:149 Resp: 114617

Ion Ratio Lower Upper

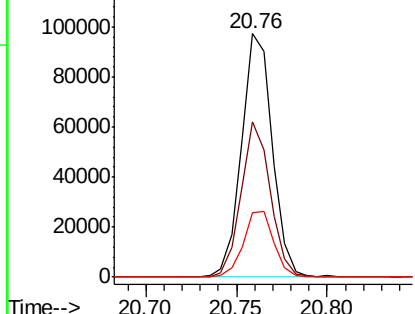
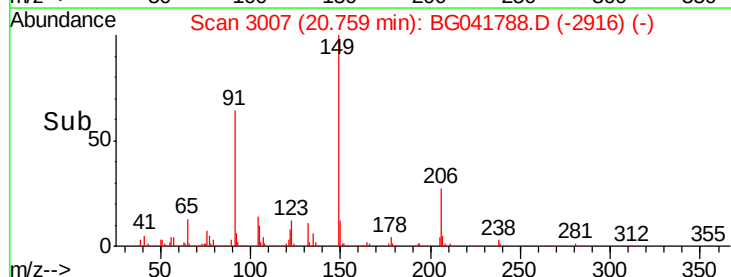
149 100

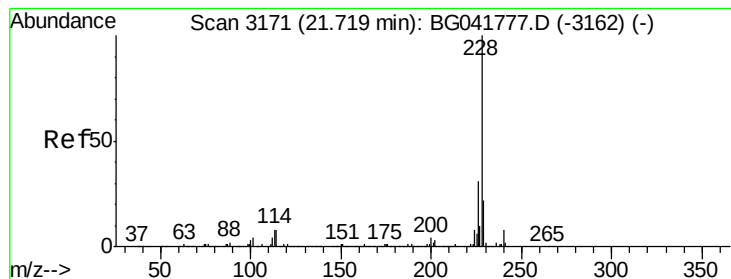
91 63.6 58.9 88.3

206 26.5 20.8 31.2



Abundance Ion 149.00 (148.70 to 149.70): E
120000
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.247 ng

RT: 21.79 min Scan# 3182

Delta R.T. 0.07 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

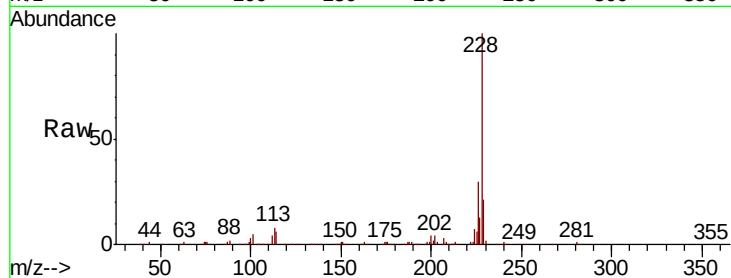
Tot Ion:228 Resp: 329110

Ion Ratio Lower Upper

228 100

226 30.2 27.3 40.9

229 20.6 19.7 29.5

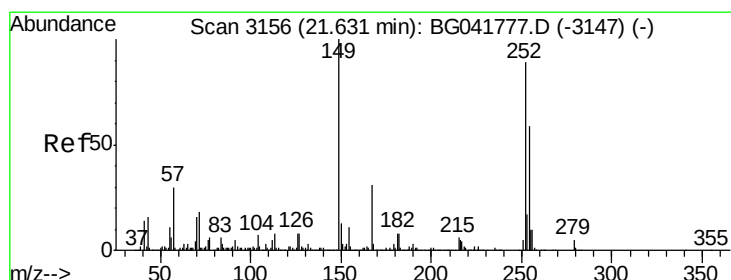
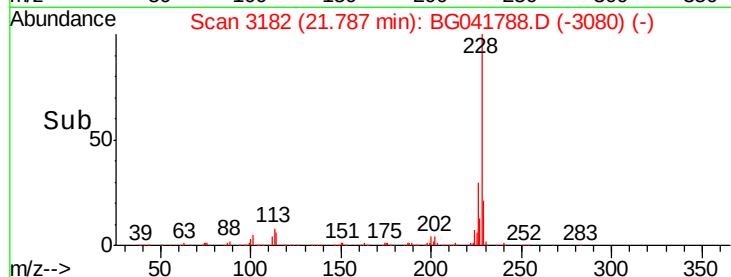
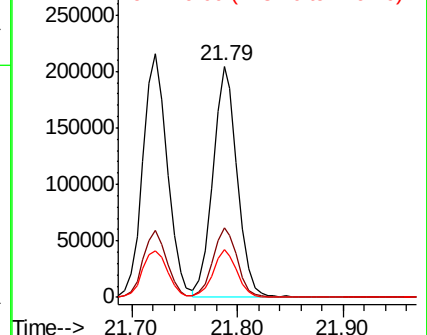


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 8.355 ng

RT: 21.63 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

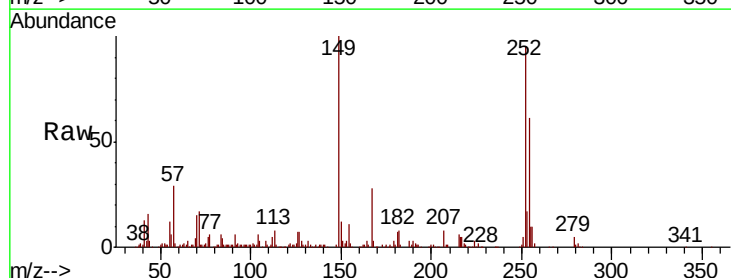
Tgt Ion:252 Resp: 133863

Ion Ratio Lower Upper

252 100

254 63.6 53.8 80.6

126 7.1 7.8 11.8#

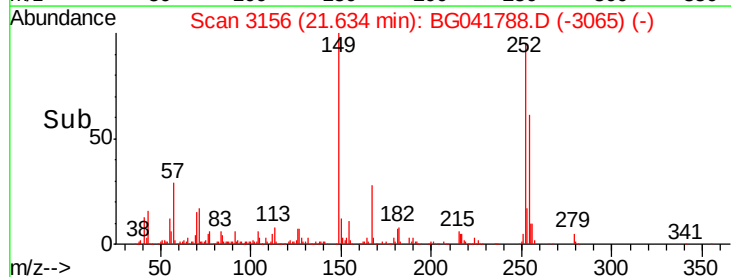
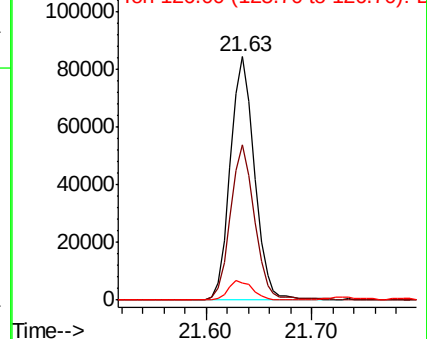


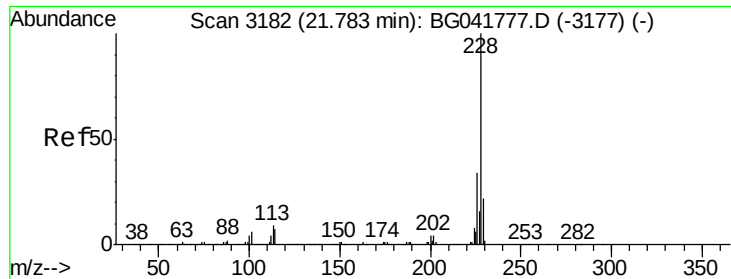
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

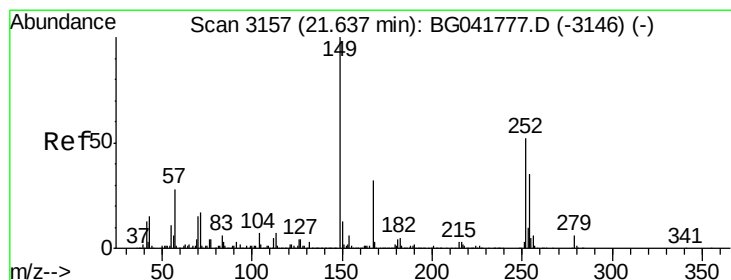
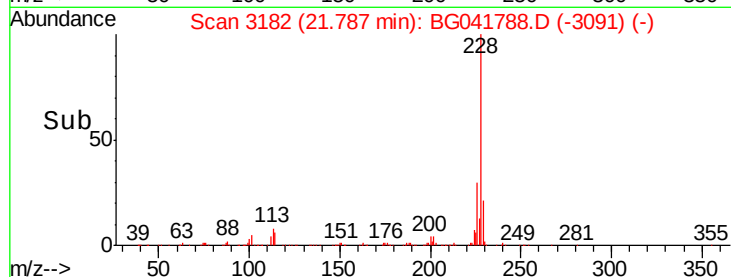
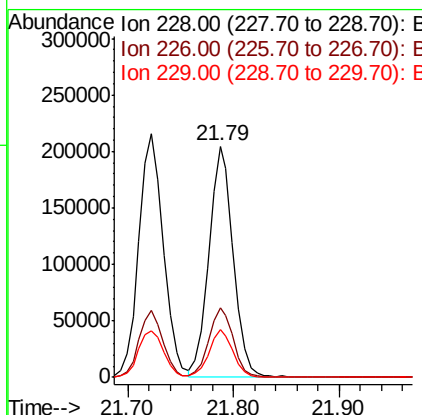
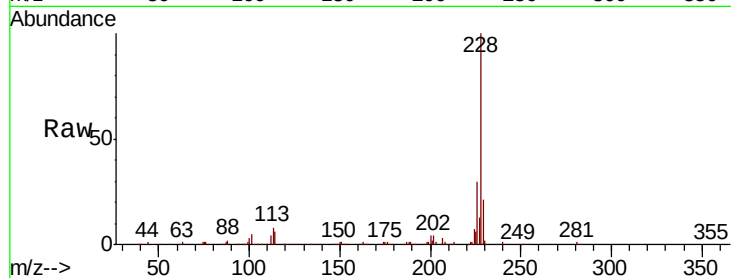




#83
Chrysene
Concen: 8.603 ng
RT: 21.79 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

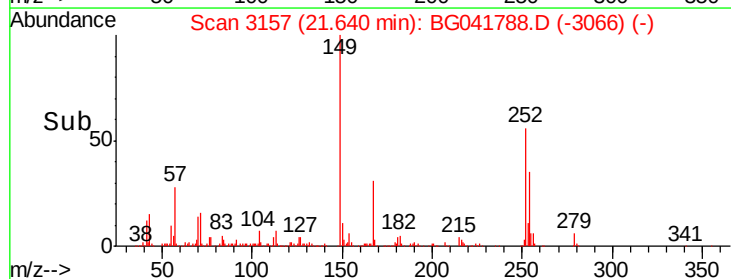
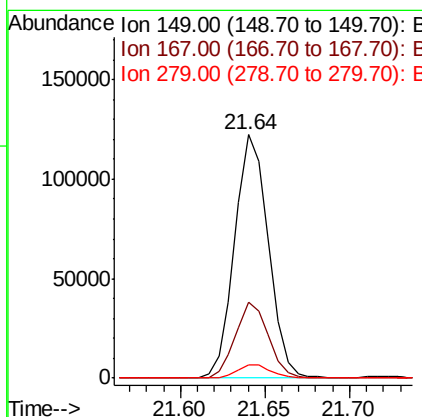
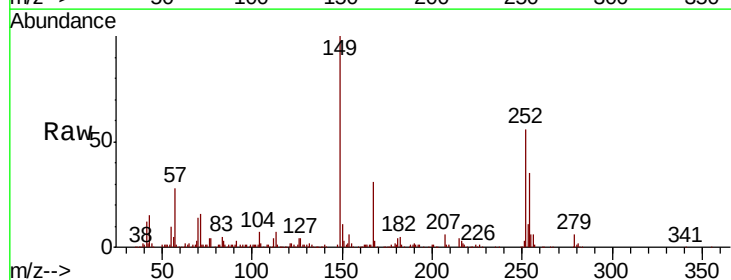
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

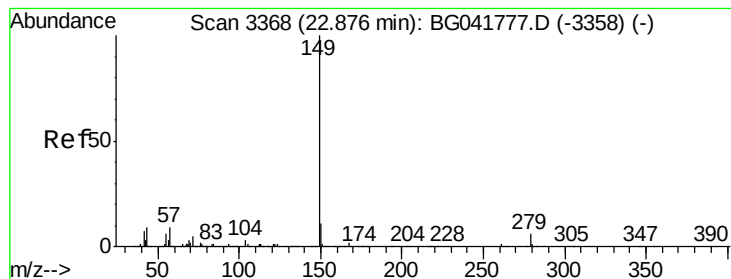
Tot Ion:228 Resp: 329110
Ion Ratio Lower Upper
228 100
226 30.2 30.1 45.1
229 20.6 19.8 29.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.061 ng
RT: 21.64 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:149 Resp: 170383
Ion Ratio Lower Upper
149 100
167 31.3 27.0 40.4
279 5.7 5.0 7.6





#85

Di-n-octyl phthalate

Concen: 7.782 ng

RT: 22.88 min Scan# 3368

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

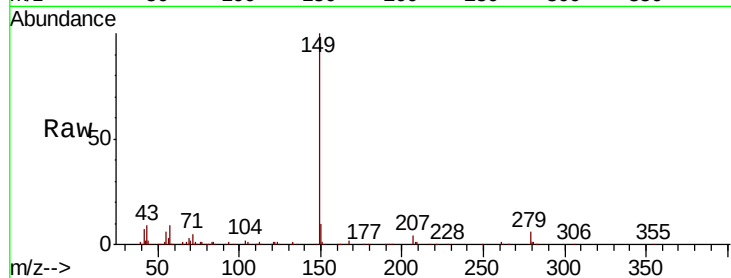
Tot Ion:149 Resp: 276798

Ion Ratio Lower Upper

149 100

167 1.7 1.6 2.4

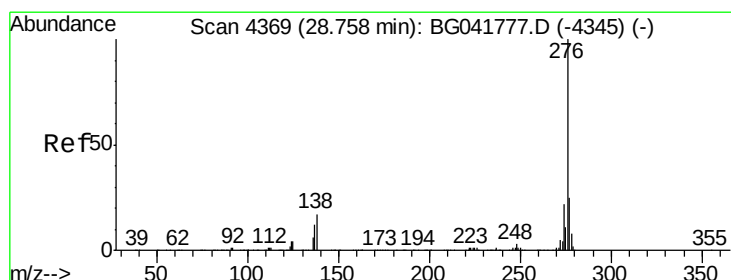
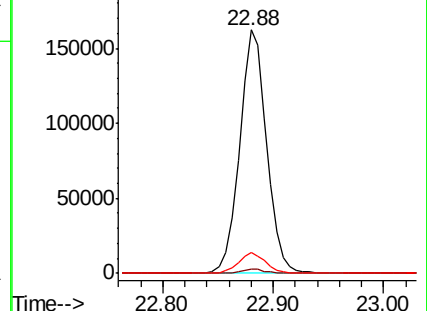
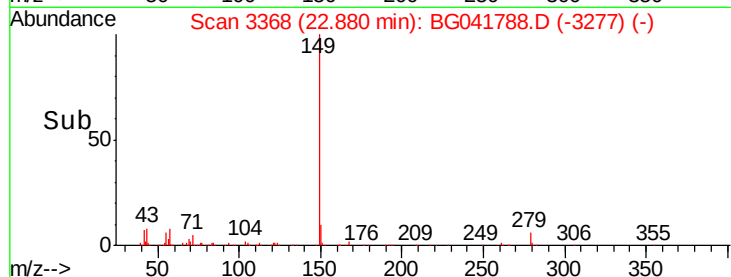
43 8.5 10.6 16.0#



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: 7.418 ng

RT: 28.76 min Scan# 4368

Delta R.T. -0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

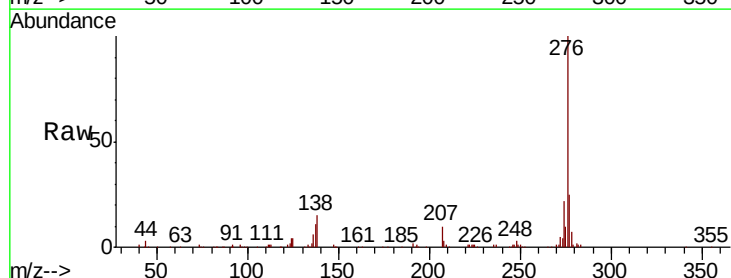
Tgt Ion:276 Resp: 375665

Ion Ratio Lower Upper

276 100

138 13.2 19.4 29.0#

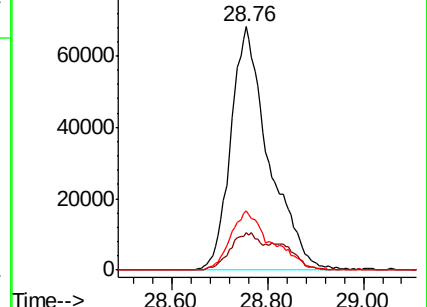
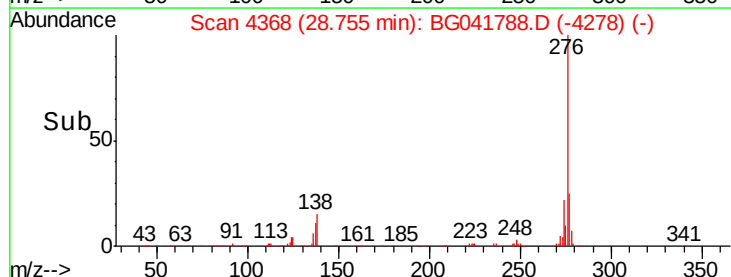
277 26.1 21.2 31.8

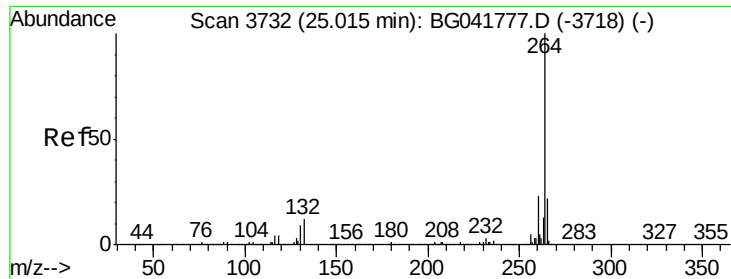


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

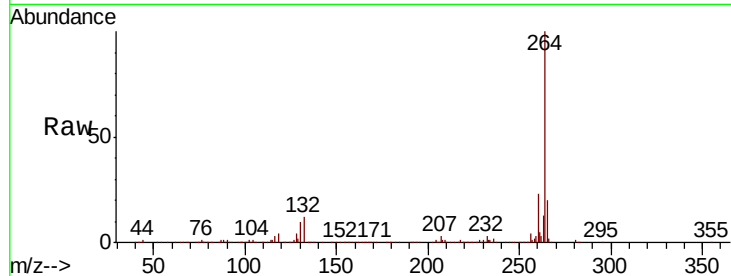
Tot Ion:264 Resp: 764791

Ion Ratio Lower Upper

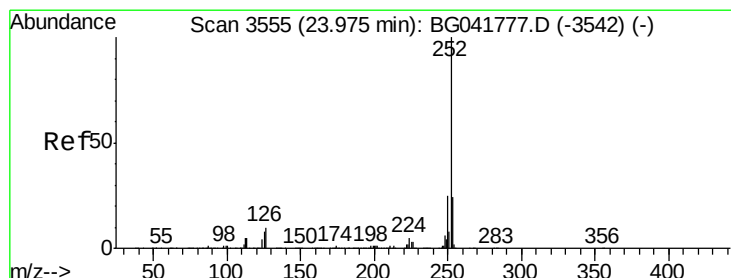
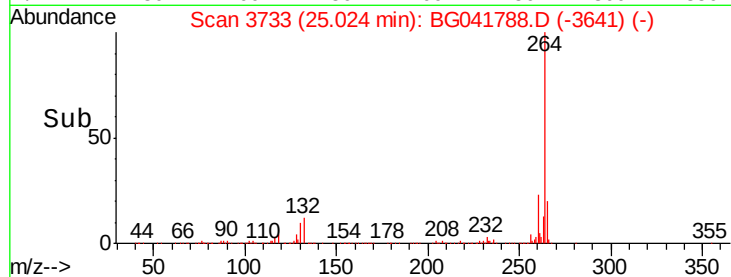
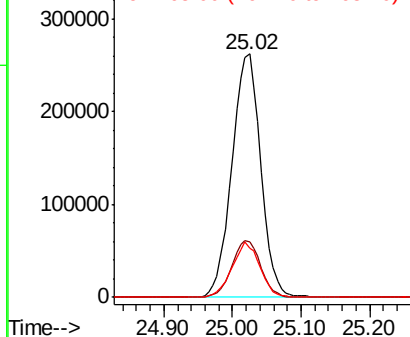
264 100

260 23.0 19.5 29.3

265 20.2 18.0 27.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.008 ng

RT: 23.98 min Scan# 3555

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

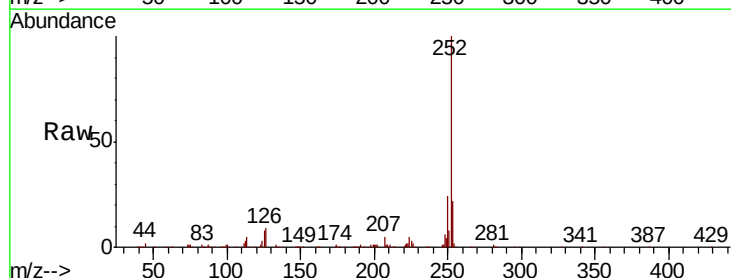
Tgt Ion:252 Resp: 335052

Ion Ratio Lower Upper

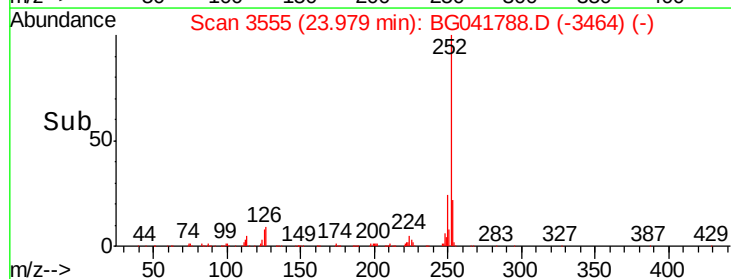
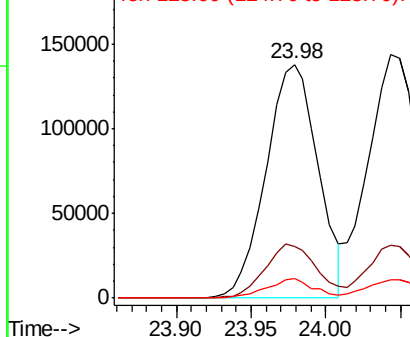
252 100

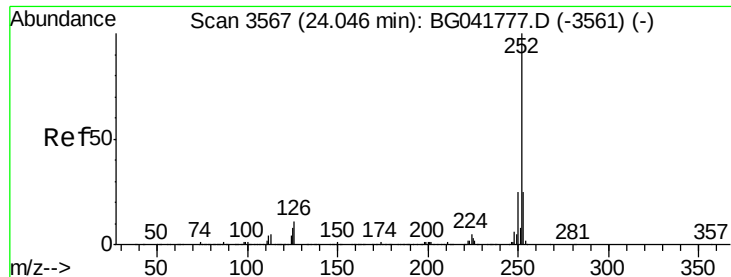
253 21.9 20.6 30.8

125 8.3 8.0 12.0



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

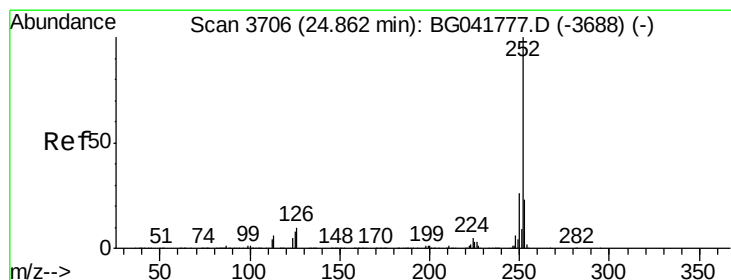
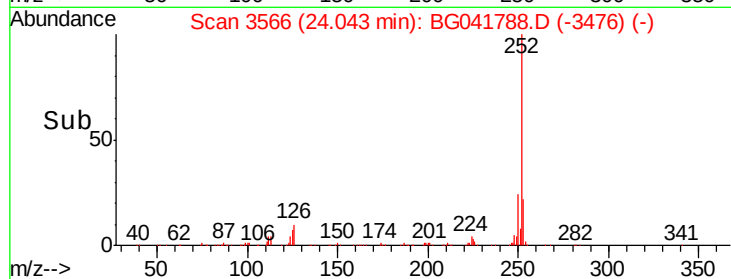
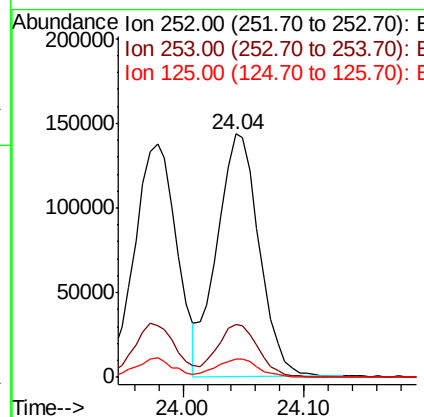
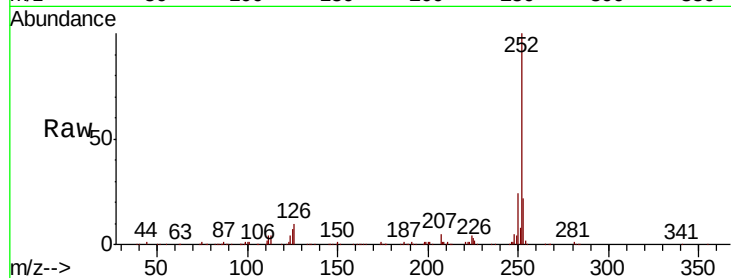




#89
Benzo(k)fluoranthene
Concen: 8.506 ng
RT: 24.04 min Scan# 3566
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

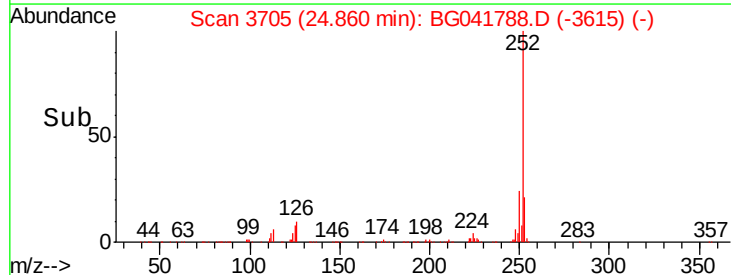
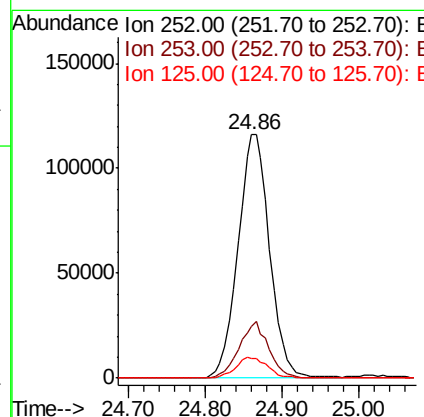
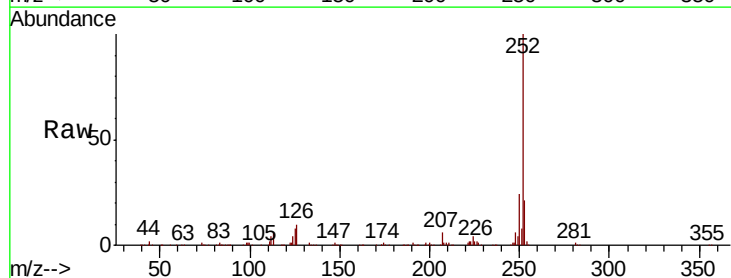
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

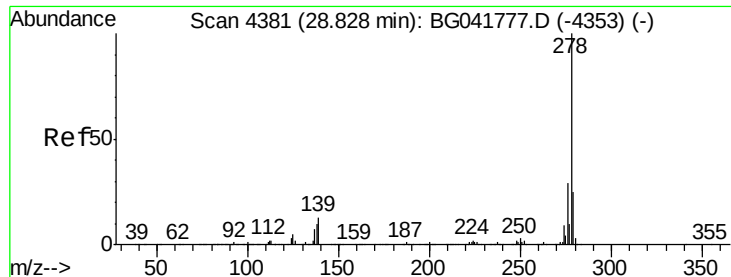
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	20.5	30.7
125	7.3	8.4	12.6#



#90
Benzo(a)pyrene
Concen: 8.300 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.8	29.8
125	8.2	8.8	13.2#

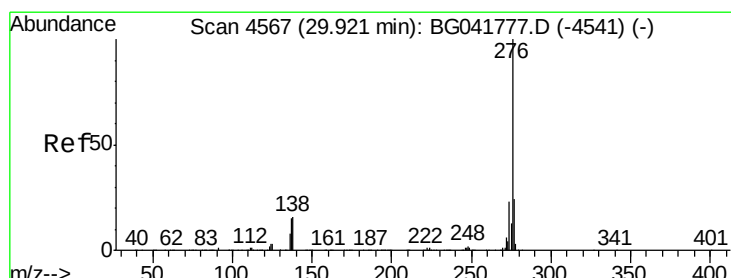
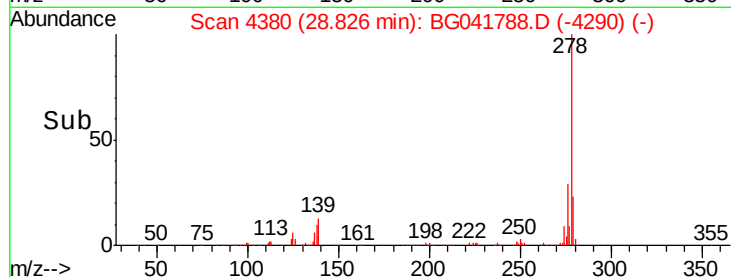
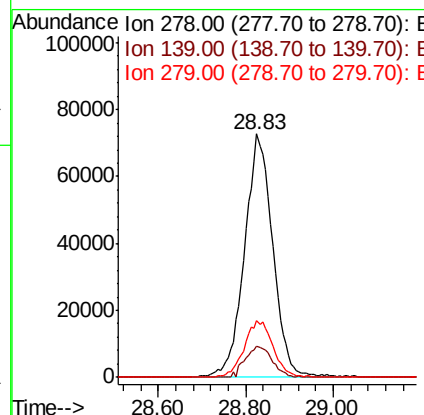
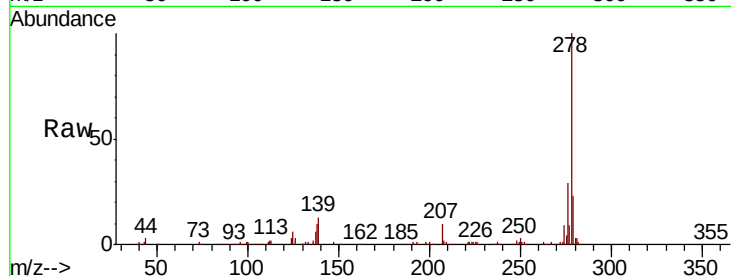




#91
Dibenzo(a,h)anthracene
Concen: 8.027 ng
RT: 28.83 min Scan# 4380
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.8	12.6	19.0
279	23.4	20.5	30.7



#92
Benzo(g,h,i)perylene
Concen: 7.946 ng
RT: 29.92 min Scan# 4567
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.8	29.8
138	15.0	16.6	25.0

