

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
 Data File : BG041070.D
 Acq On : 5 Jun 2019 13:40
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 06 04:21:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	35007	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	134984	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	93062	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	237668	20.00	ng	-0.01
76) Chrysene-d12	21.77	240	271457	20.00	ng	-0.02
87) Perylene-d12	25.10	264	293826	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	301373	155.24	ng	-0.01
7) Phenol-d6	7.25	99	407461	135.90	ng	-0.01
23) Nitrobenzene-d5	9.29	82	277326	91.21	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	216441	156.66	ng	-0.01
45) 2-Fluorobiphenyl	13.36	172	626103	96.89	ng	-0.02
79) Terphenyl-d14	20.09	244	1175148	91.88	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.52	88	6066	6.886	ng	92
3) Pyridine	3.93	79	12054	4.624	ng	94
4) n-Nitrosodimethylamine	3.85	42	6471	5.349	ng	# 88
6) Aniline	7.44	93	18081	4.518	ng	96
8) 2-Chlorophenol	7.66	128	11527	4.980	ng	97
9) Benzaldehyde	7.25	77	13000	7.268	ng	# 70
10) Phenol	7.28	94	14571	4.533	ng	83
11) bis(2-Chloroethyl)ether	7.52	93	10471	4.490	ng	93
12) 1,3-Dichlorobenzene	7.99	146	13369	4.836	ng	93
13) 1,4-Dichlorobenzene	8.15	146	13035	4.659	ng	93
14) 1,2-Dichlorobenzene	8.46	146	12872	4.738	ng	89
15) Benzyl Alcohol	8.35	79	11934	4.303	ng	89
16) 2,2'-oxybis(1-Chloropropan	8.63	45	17140	4.498	ng	93
17) 2-Methylphenol	8.54	107	10139	4.356	ng	91
18) Hexachloroethane	9.20	117	5139	4.765	ng	# 71
19) n-Nitroso-di-n-propylamine	8.91	70	10954	4.748	ng	# 85
20) 3+4-Methylphenols	8.87	107	13816	4.285	ng	96
22) Acetophenone	8.94	105	20102	5.309	ng	# 98
24) Nitrobenzene	9.33	77	15774	5.091	ng	98
25) Isophorone	9.84	82	27987	4.837	ng	# 95
26) 2-Nitrophenol	10.04	139	6379	4.994	ng	# 80
27) 2,4-Dimethylphenol	10.09	122	9804	4.647	ng	94
28) bis(2-Chloroethoxy)methane	10.33	93	14484	4.638	ng	# 91
29) 2,4-Dichlorophenol	10.57	162	12746	4.758	ng	91
30) 1,2,4-Trichlorobenzene	10.79	180	14811	4.860	ng	99
31) Naphthalene	10.98	128	36379	5.020	ng	97
32) Benzoic acid	10.19	122	816	8.543	ng	# 45
33) 4-Chloroaniline	11.10	127	15898	4.728	ng	# 86
34) Hexachlorobutadiene	11.25	225	11146	4.780	ng	94
35) Caprolactam	11.85	113	4527	5.117	ng	94
36) 4-Chloro-3-methylphenol	12.19	107	13757	4.496	ng	# 88
37) 2-Methylnaphthalene	12.58	142	26429	4.735	ng	93
38) 1-Methylnaphthalene	12.58	142	26429	5.025	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	20628	5.499	ng	97

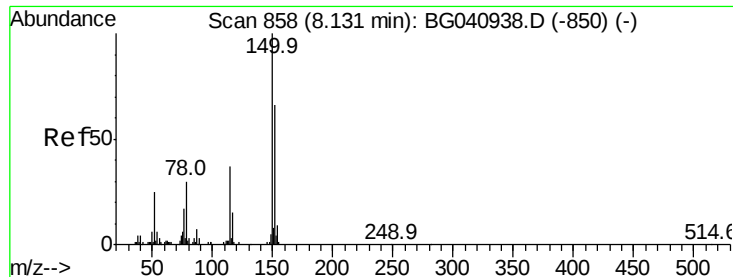
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	6902	11.306	ng	98
43) 2,4,6-Trichlorophenol	13.25	196	12881	5.308	ng	93
44) 2,4,5-Trichlorophenol	13.25	196	12881	5.033	ng	95
46) 1,1'-Biphenyl	13.58	154	36187	5.253	ng	96
47) 2-Chloronaphthalene	13.63	162	30699	5.191	ng	90
48) 2-Nitroaniline	13.83	65	10418	4.911	ng	95
49) Acenaphthylene	14.47	152	46811	5.259	ng	97
50) Dimethylphthalate	14.19	163	39714	5.041	ng	# 95
51) 2,6-Dinitrotoluene	14.32	165	8501	5.005	ng	96
52) Acenaphthene	14.81	154	27032	5.013	ng	97
53) 3-Nitroaniline	14.65	138	8449	4.975	ng	# 81
54) 2,4-Dinitrophenol	14.88	184	370	8.780	ng	# 38
55) Dibenzofuran	15.14	168	46474	5.122	ng	100
56) 4-Nitrophenol	14.96	139	4728	4.058	ng	# 69
57) 2,4-Dinitrotoluene	15.10	165	11239	4.684	ng	# 99
58) Fluorene	15.78	166	37393	5.175	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.36	232	11863	4.717	ng	# 97
60) Diethylphthalate	15.54	149	39830	4.954	ng	98
61) 4-Chlorophenyl-phenylether	15.77	204	23238	4.948	ng	98
62) 4-Nitroaniline	15.81	138	8470	4.711	ng	96
63) Azobenzene	16.07	77	36971	5.060	ng	98
65) 4,6-Dinitro-2-methylphenol	15.87	198	2936	10.482	ng	78
66) n-Nitrosodiphenylamine	15.99	169	34135	5.109	ng	98
67) 4-Bromophenyl-phenylether	16.67	248	14139	4.408	ng	99
68) Hexachlorobenzene	16.78	284	15890	4.652	ng	# 85
69) Atrazine	16.92	200	14141	5.485	ng	90
70) Pentachlorophenol	17.14	266	5258	6.977	ng	# 81
71) Phenanthrene	17.53	178	67782	5.475	ng	98
72) Anthracene	17.62	178	64377	5.273	ng	99
73) Carbazole	17.89	167	57790	5.516	ng	99
74) Di-n-butylphthalate	18.42	149	67986	5.221	ng	99
75) Fluoranthene	19.53	202	87995	5.755	ng	97
77) Benzidine	19.72	184	37932	5.858	ng	96
78) Pyrene	19.90	202	93368	5.291	ng	95
80) Butylbenzylphthalate	20.76	149	36753	5.352	ng	98
81) Benzo(a)anthracene	21.74	228	100212	5.546	ng	98
82) 3,3'-Dichlorobenzidine	21.66	252	36165	5.690	ng	99
83) Chrysene	21.81	228	95590	5.528	ng	94
84) Bis(2-ethylhexyl)phthalate	21.61	149	53478	5.532	ng	94
85) Di-n-octyl phthalate	22.86	149	92195	5.726	ng	96
86) Indeno(1,2,3-cd)pyrene	28.92	276	109465	5.168	ng	# 75
88) Benzo(b)fluoranthene	24.03	252	95365	5.351	ng	93
89) Benzo(k)fluoranthene	24.09	252	95498	5.415	ng	97
90) Benzo(a)pyrene	24.93	252	94085	5.533	ng	97
91) Dibenzo(a,h)anthracene	28.98	278	88759	5.224	ng	# 88
92) Benzo(g,h,i)perylene	30.11	276	91500	5.543	ng	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 855

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

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BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

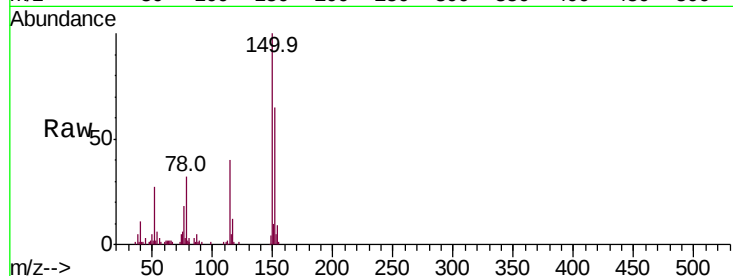
Tot Ion:152 Resp: 35007

Ion Ratio Lower Upper

152 100

150 153.2 120.6 180.8

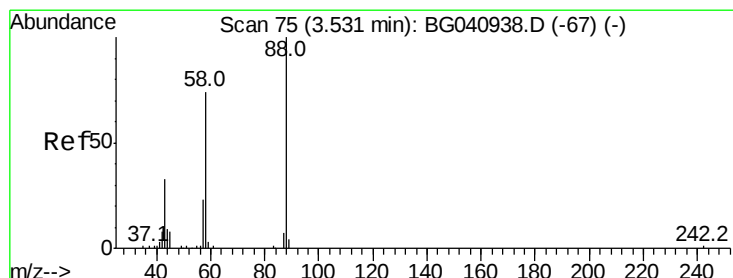
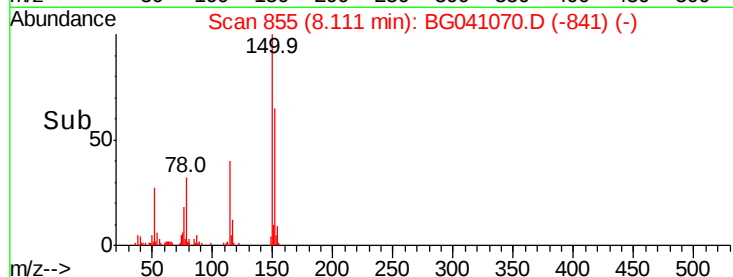
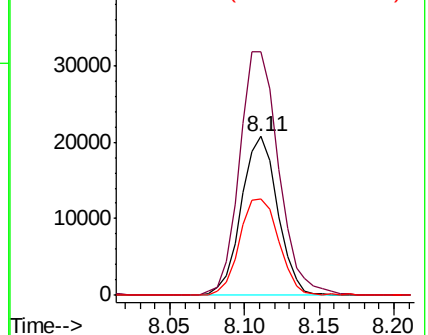
115 61.0 45.1 67.7



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: 6.886 ng

RT: 3.52 min Scan# 73

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

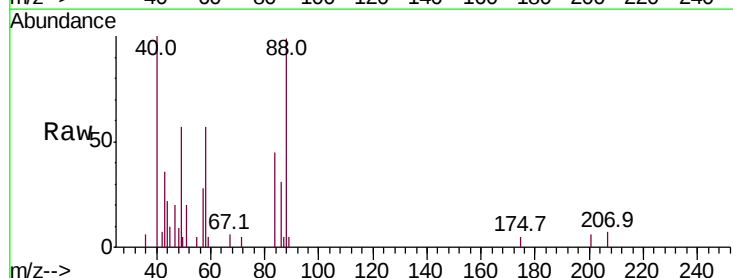
Tgt Ion: 88 Resp: 6066

Ion Ratio Lower Upper

88 100

58 64.5 59.0 88.6

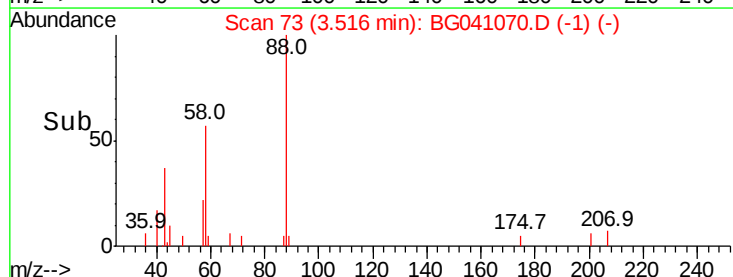
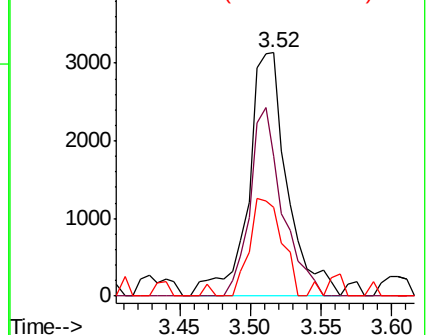
43 33.4 27.2 40.8

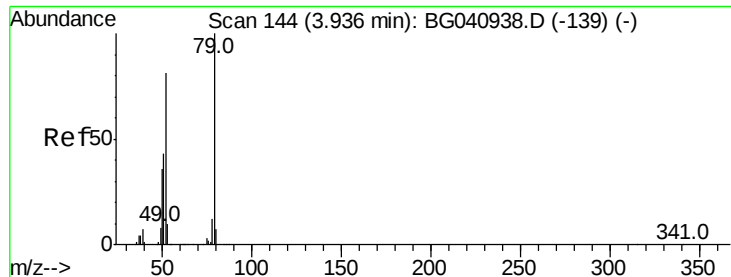


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 4.624 ng

RT: 3.93 min Scan# 144

Delta R.T. -0.00 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

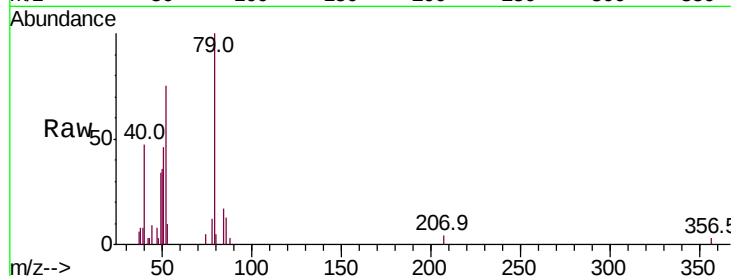
Tot Ion: 79 Resp: 12054

Ion Ratio Lower Upper

79 100

52 75.0 64.8 97.2

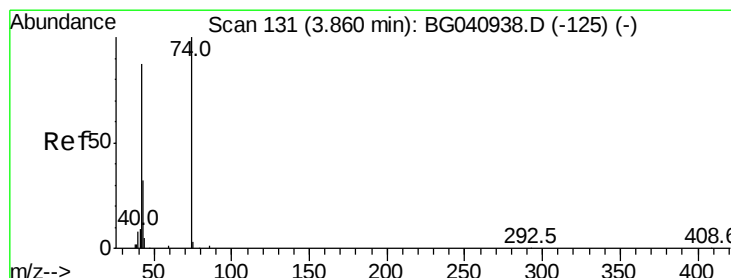
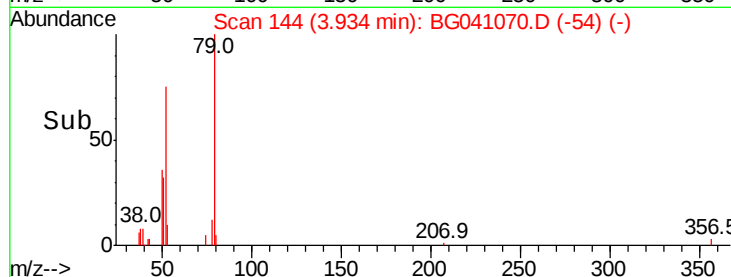
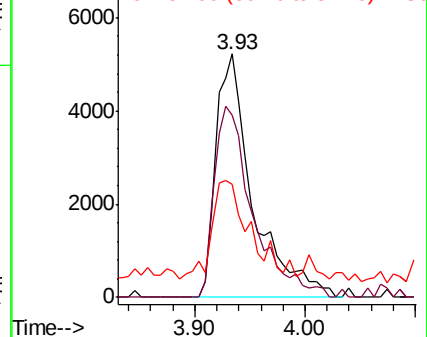
51 46.3 35.3 52.9



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 5.349 ng

RT: 3.85 min Scan# 129

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

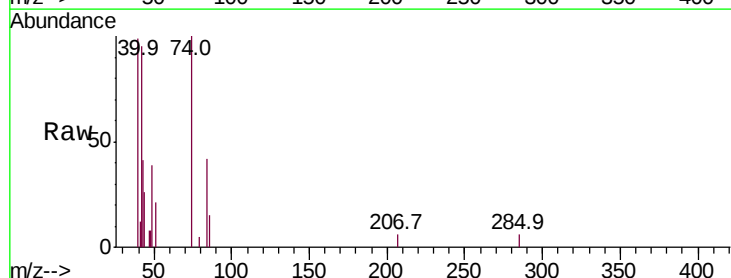
Tgt Ion: 42 Resp: 6471

Ion Ratio Lower Upper

42 100

74 105.1 91.8 137.6

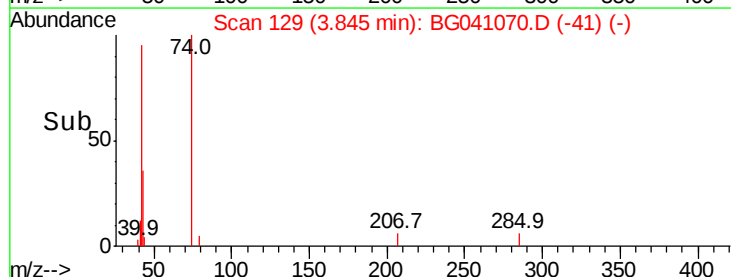
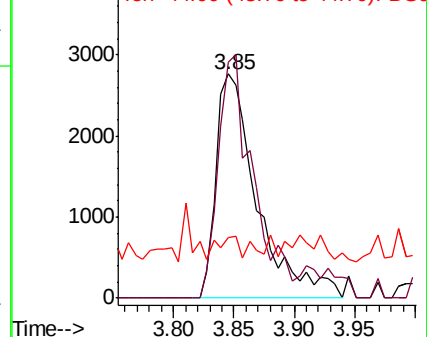
44 27.0 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 155.237 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

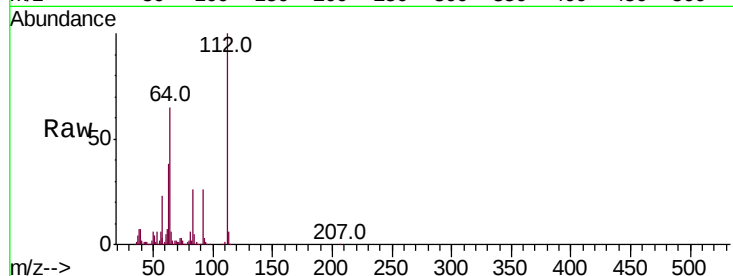
Tot Ion:112 Resp: 301373

Ion Ratio Lower Upper

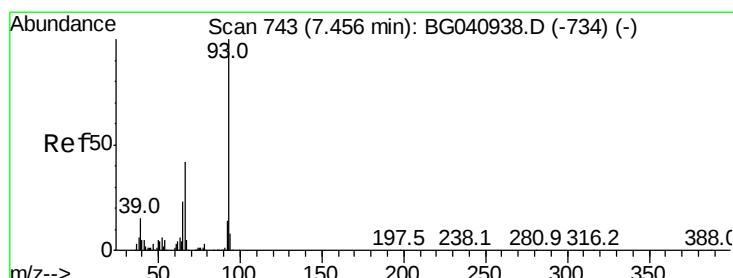
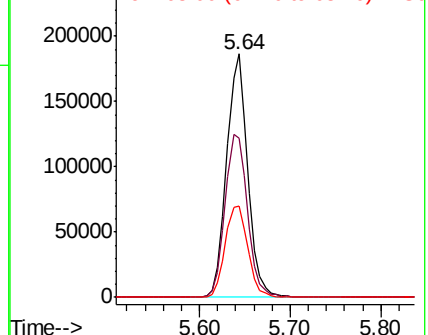
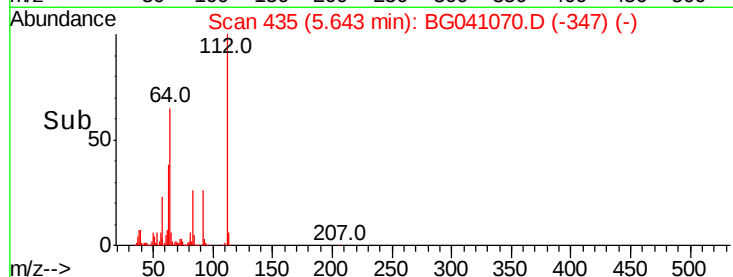
112 100

64 65.3 56.2 84.2

63 37.7 32.8 49.2



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: 4.518 ng

RT: 7.44 min Scan# 740

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

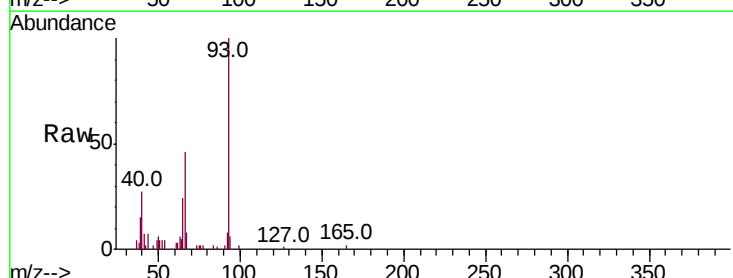
Tgt Ion: 93 Resp: 18081

Ion Ratio Lower Upper

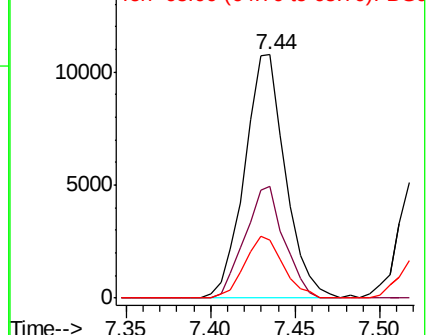
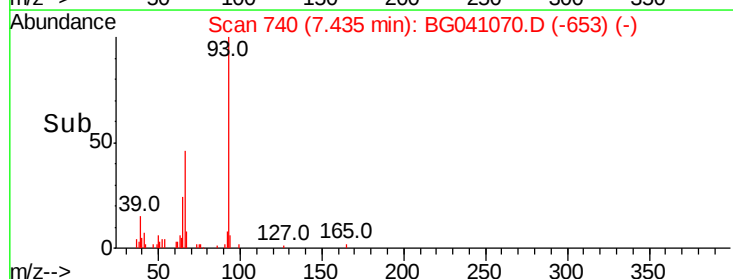
93 100

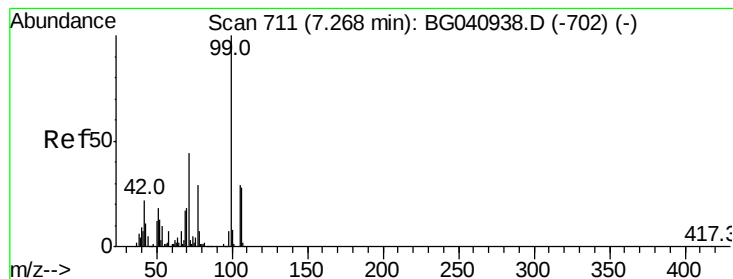
66 45.7 33.8 50.8

65 23.8 18.3 27.5



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: 135.900 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041070.D

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ClientSampleId :

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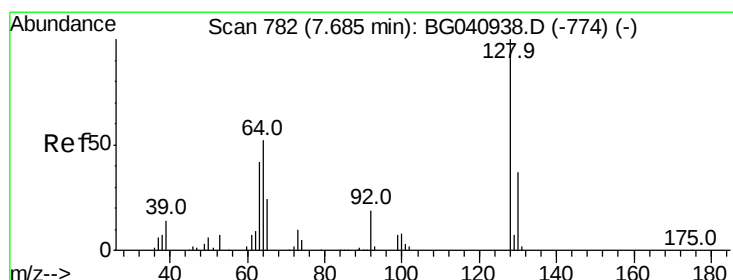
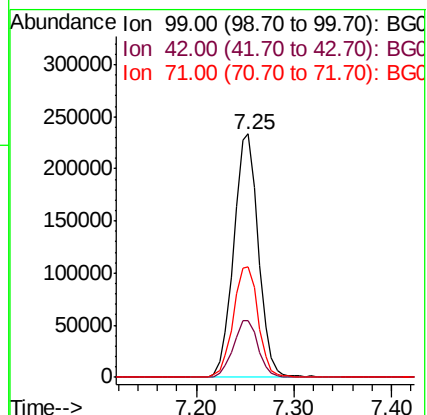
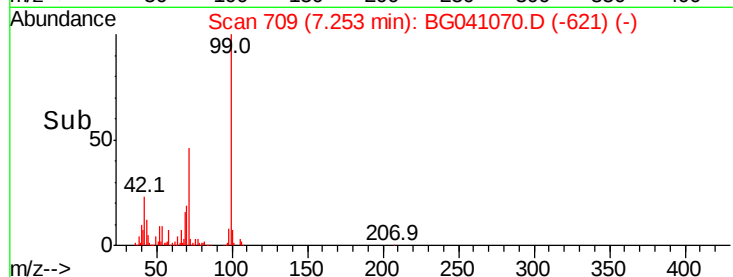
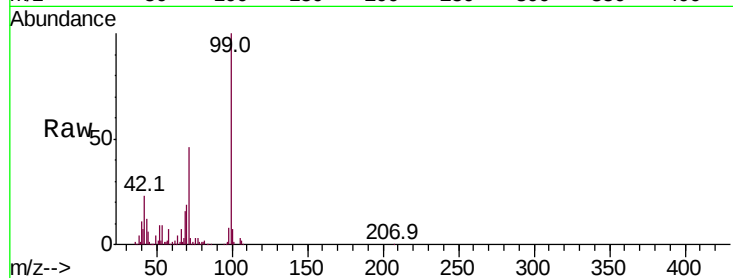
Tot Ion: 99 Resp: 407461

Ion Ratio Lower Upper

99 100

42 23.2 17.9 26.9

71 45.6 35.4 53.0



#8

2-Chlorophenol

Concen: 4.980 ng

RT: 7.66 min Scan# 779

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

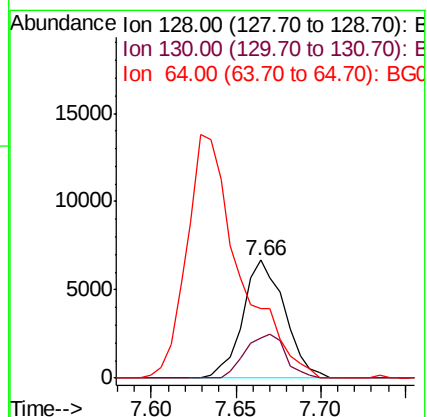
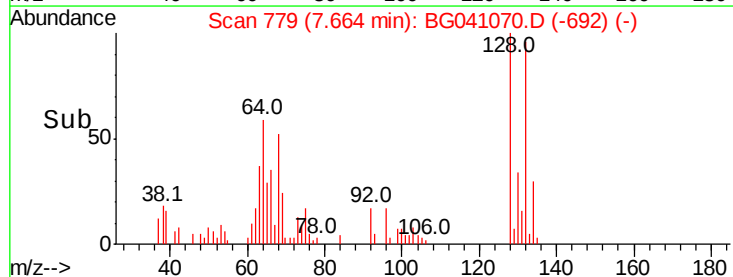
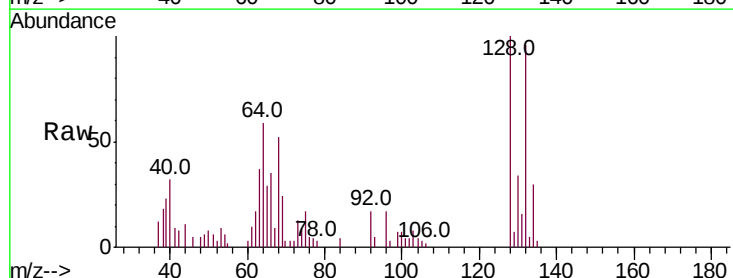
Tgt Ion:128 Resp: 11527

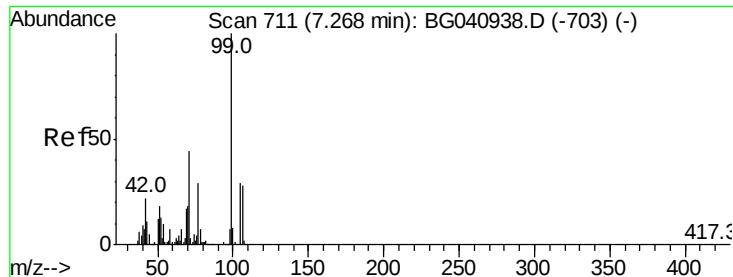
Ion Ratio Lower Upper

128 100

130 33.6 16.6 56.6

64 59.1 37.8 77.8





#9

Benzaldehyde

Concen: 7.268 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

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LOD-MDL-SOIL-01-QT2-2019

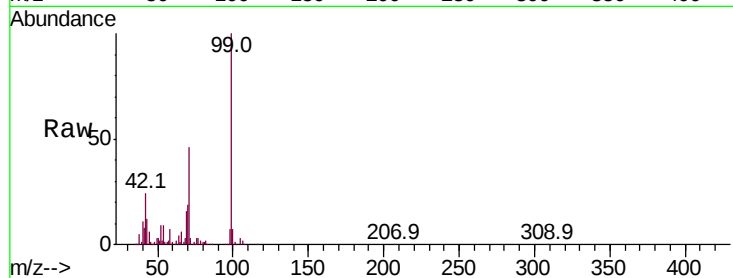
Tot Ion: 77 Resp: 13000

Ion Ratio Lower Upper

77 100

105 75.9 78.9 118.9#

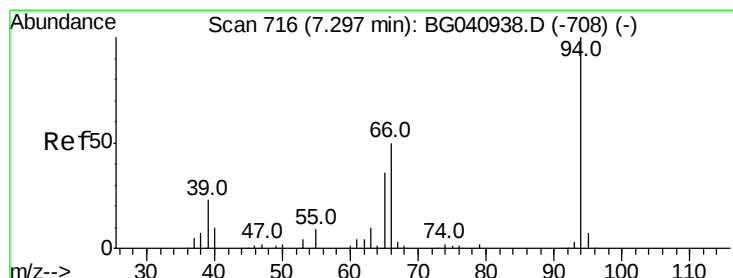
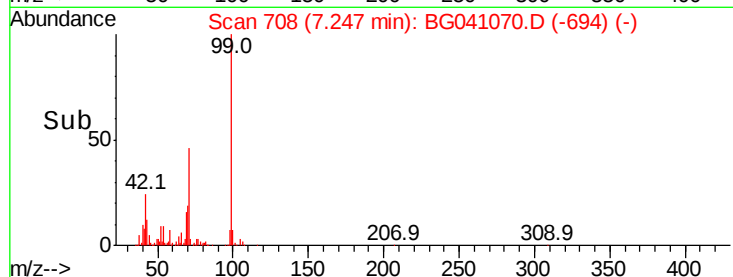
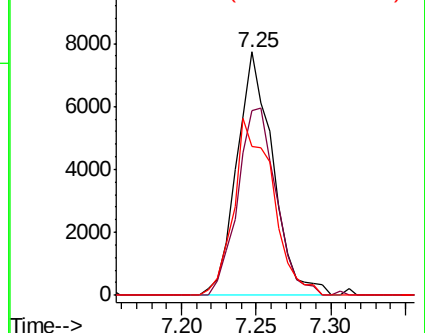
106 61.2 76.7 116.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 4.533 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

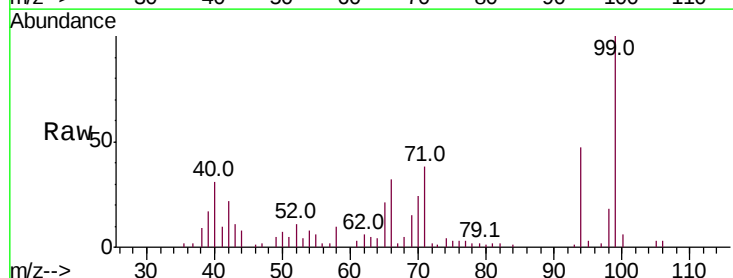
Tgt Ion: 94 Resp: 14571

Ion Ratio Lower Upper

94 100

65 43.8 17.0 57.0

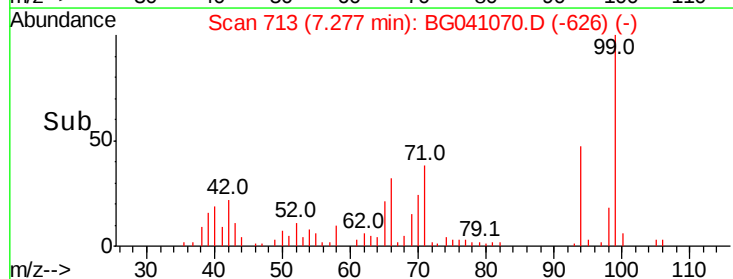
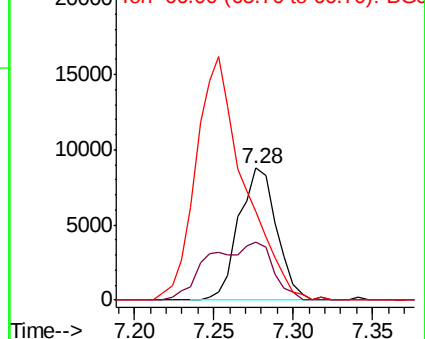
66 67.0 32.4 72.4

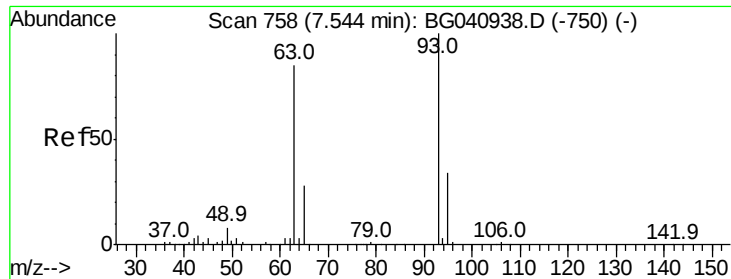


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

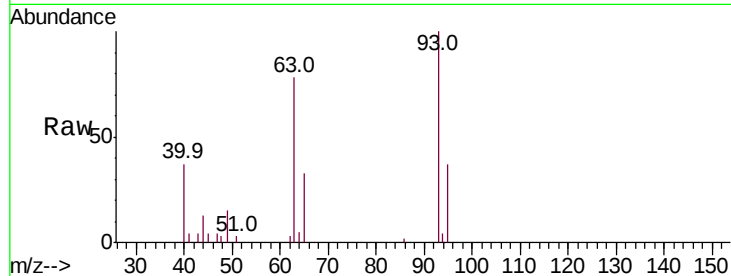




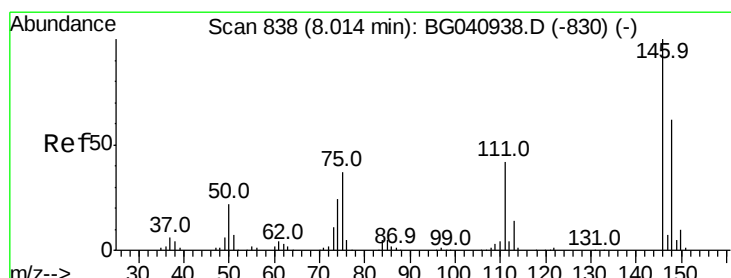
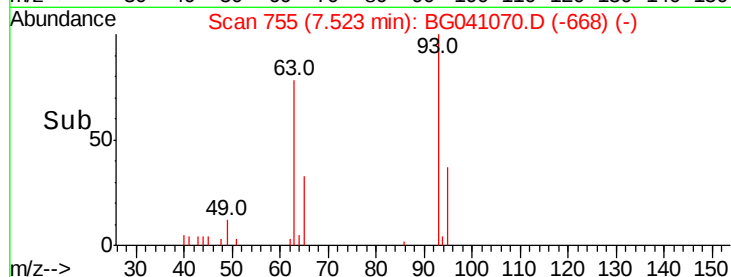
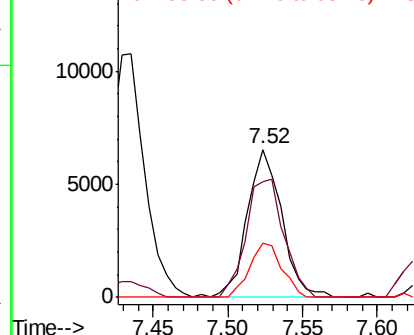
#11
bis(2-Chloroethyl)ether
Concen: 4.490 ng
RT: 7.52 min Scan# 755
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 93 Resp: 10471
Ion Ratio Lower Upper
93 100
63 77.7 64.5 104.5
95 37.0 13.3 53.3

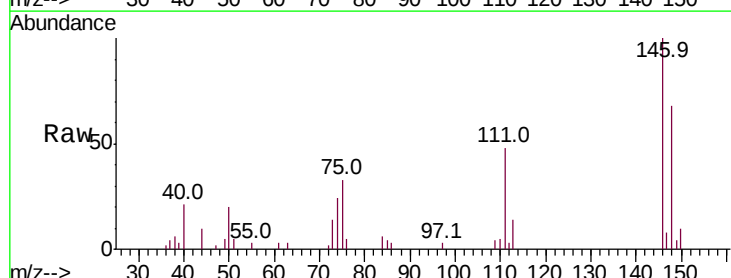


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

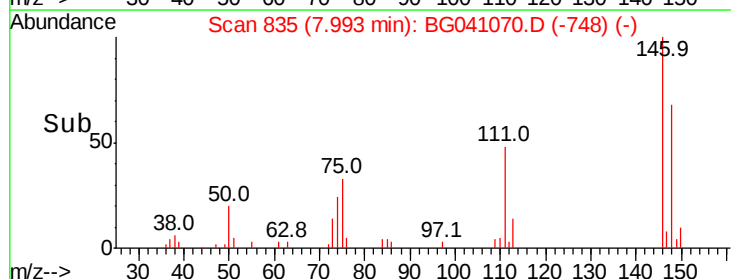
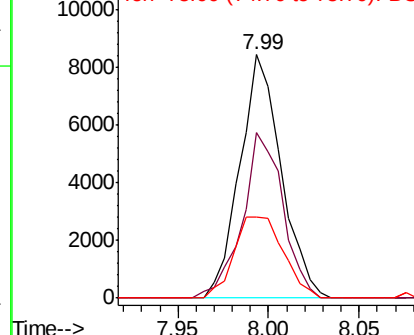


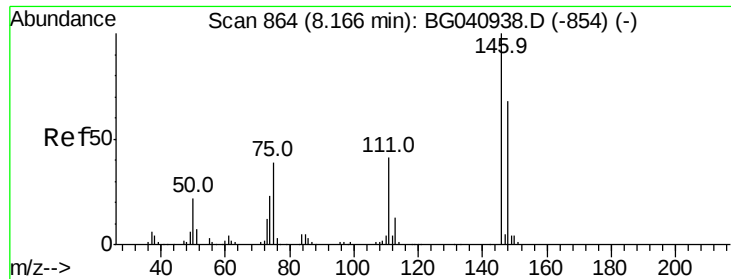
#12
1,3-Dichlorobenzene
Concen: 4.836 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion:146 Resp: 13369
Ion Ratio Lower Upper
146 100
148 67.9 49.2 73.8
75 33.3 29.4 44.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC

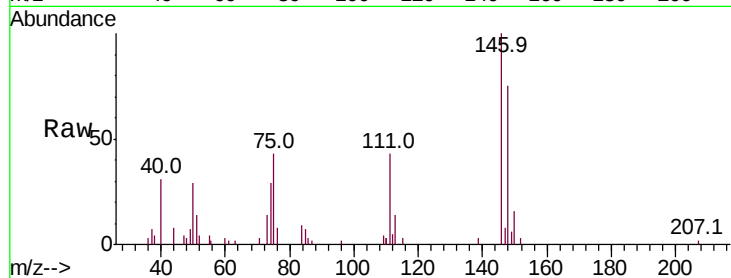




#13
1,4-Dichlorobenzene
Concen: 4.659 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	74.8	54.2	81.4
111	43.0	32.9	49.3

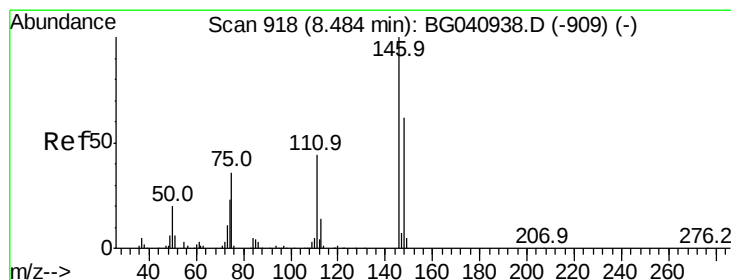
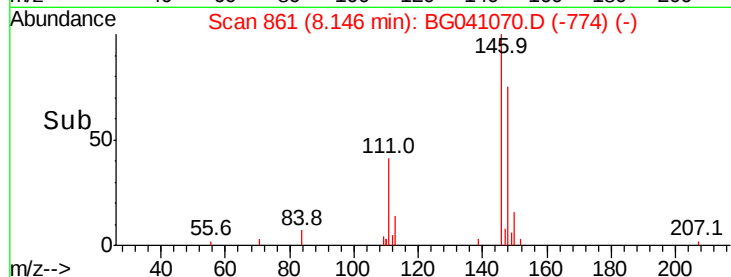
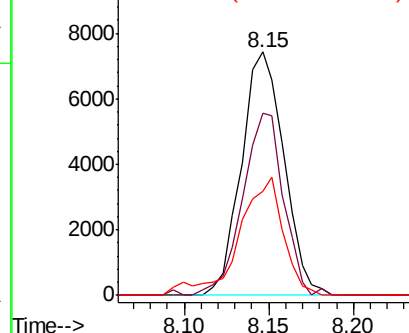


Abundance

Ion 146.00 (145.70 to 146.70): E

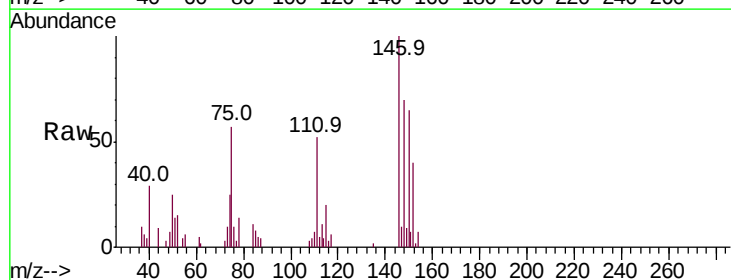
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
1,2-Dichlorobenzene
Concen: 4.738 ng
RT: 8.46 min Scan# 915
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	70.2	49.8	74.6
111	52.1	35.0	52.4

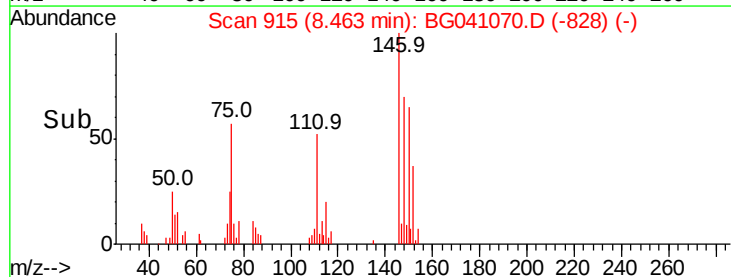
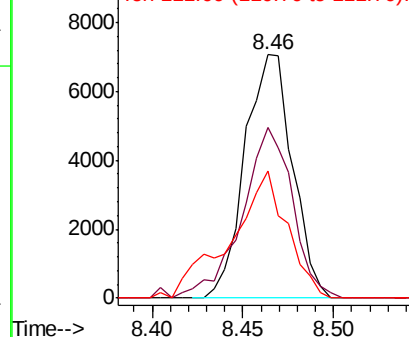


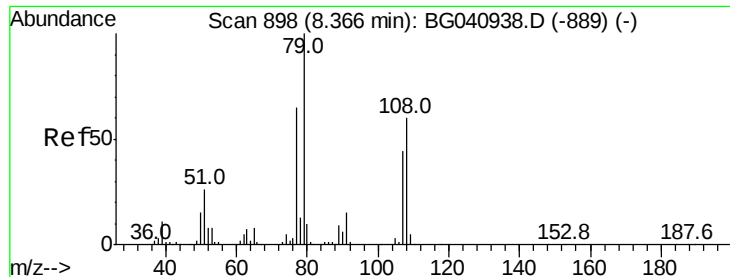
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 4.303 ng

RT: 8.35 min Scan# 896

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

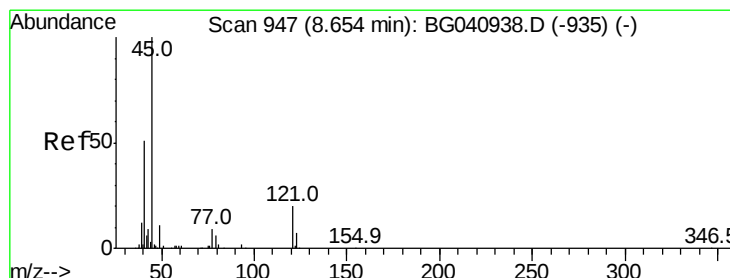
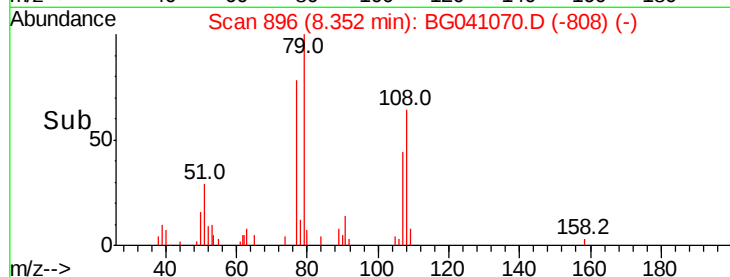
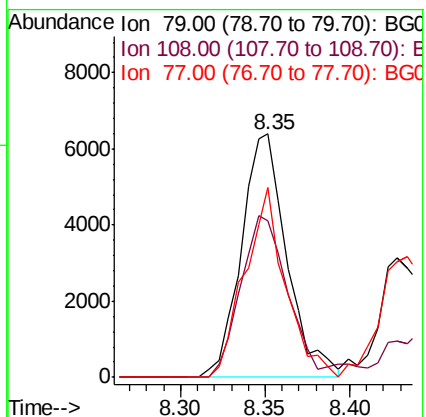
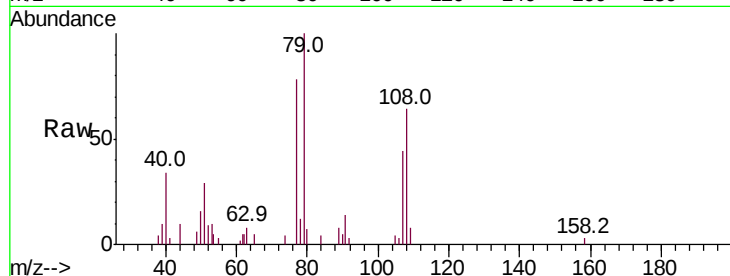
Tot Ion: 79 Resp: 11934

Ion Ratio Lower Upper

79 100

108 64.2 48.3 72.5

77 78.2 52.3 78.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 4.498 ng

RT: 8.63 min Scan# 944

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

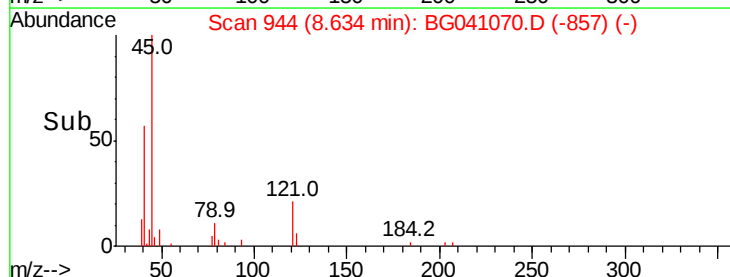
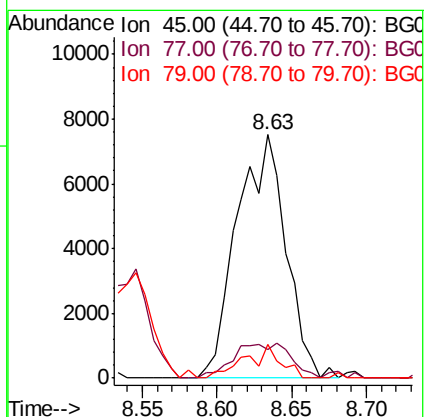
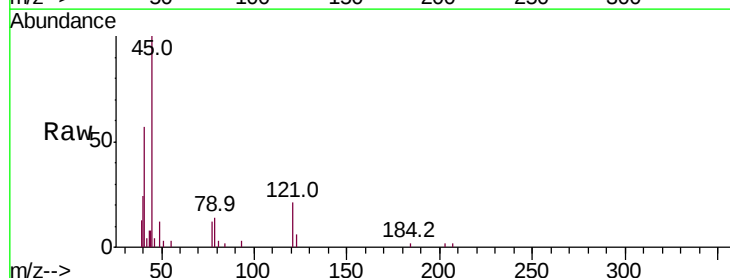
Tgt Ion: 45 Resp: 17140

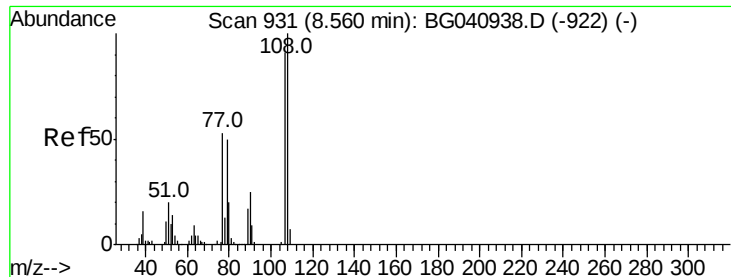
Ion Ratio Lower Upper

45 100

77 11.8 0.0 33.7

79 13.9 0.0 30.2





#17

2-Methylphenol

Concen: 4.356 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:107 Resp: 10139

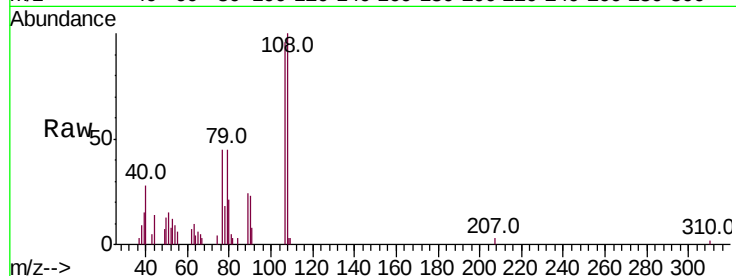
Ion Ratio Lower Upper

107 100

108 104.3 87.7 131.5

77 46.9 46.6 70.0

79 46.9 44.6 66.8

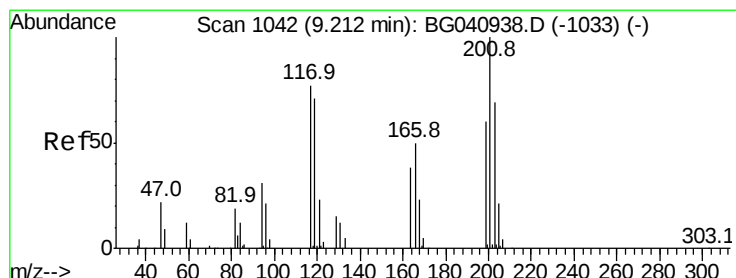
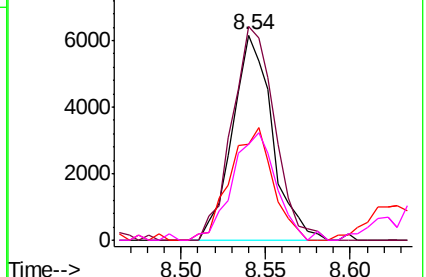
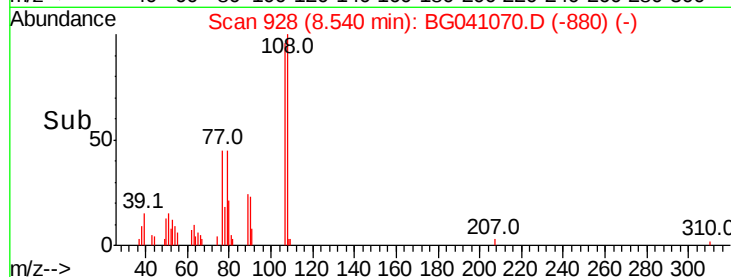


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 4.765 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

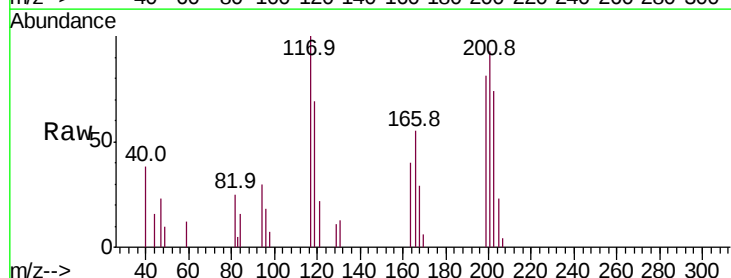
Tgt Ion:117 Resp: 5139

Ion Ratio Lower Upper

117 100

119 69.3 75.0 112.6#

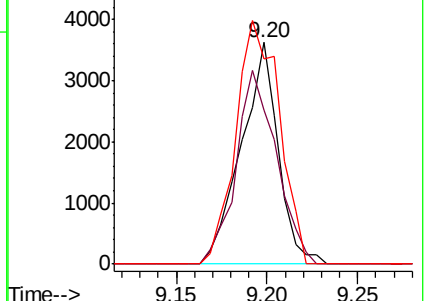
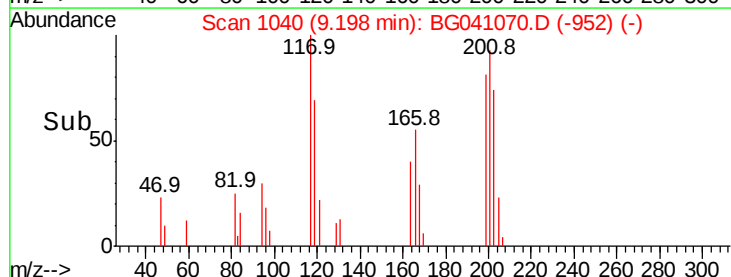
201 92.8 103.5 155.3#

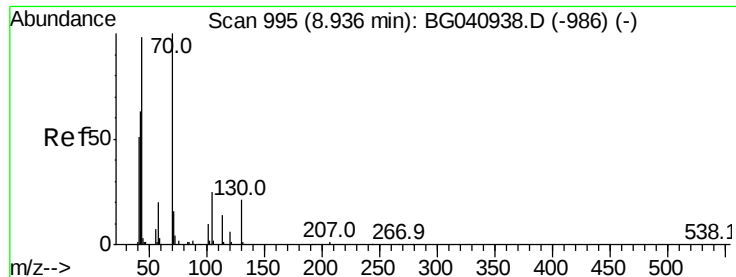


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

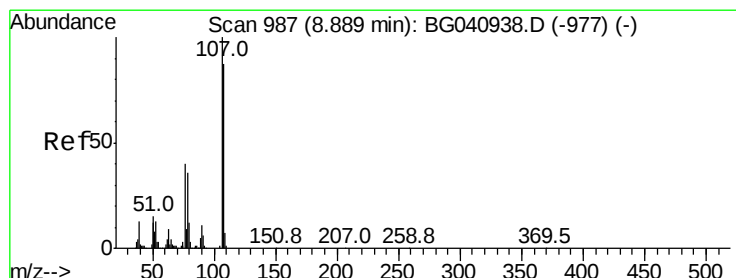
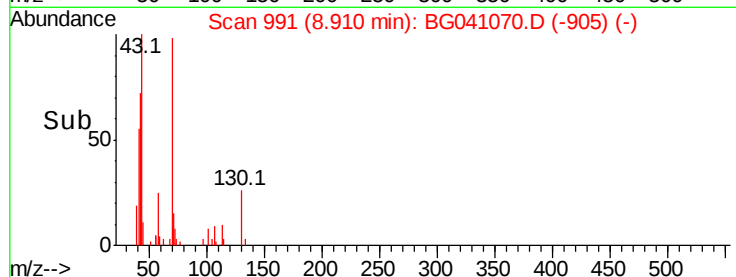
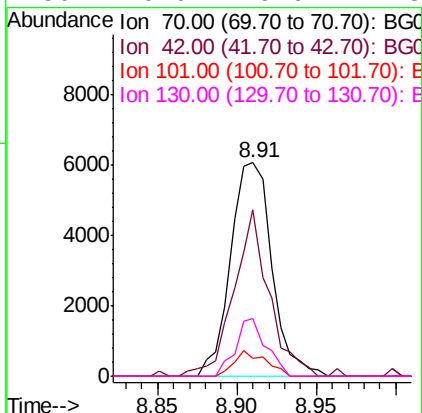
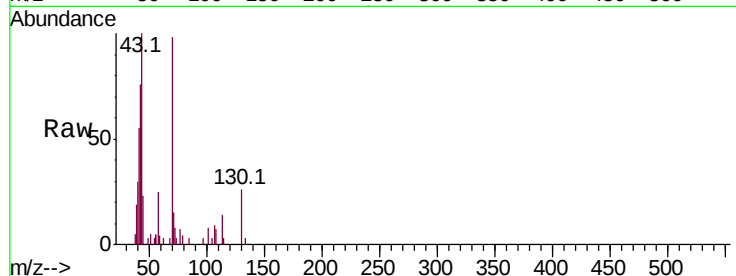




#19
n-Nitroso-di-n-propylamine
Concen: 4.748 ng
RT: 8.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

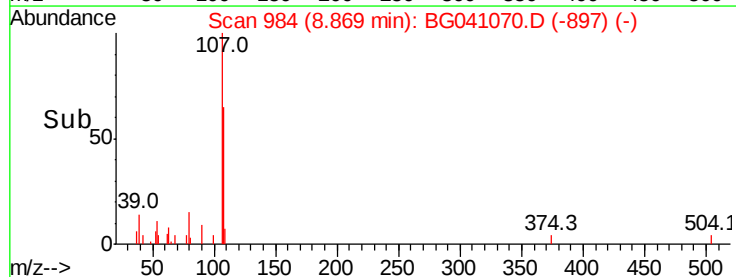
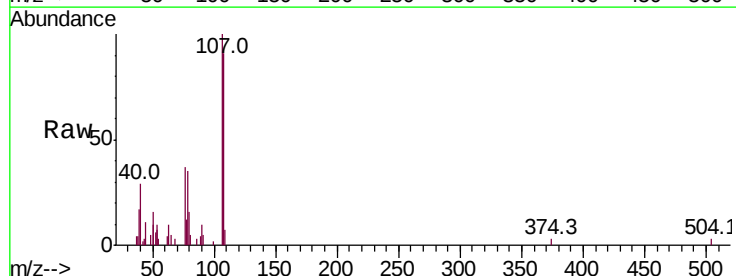
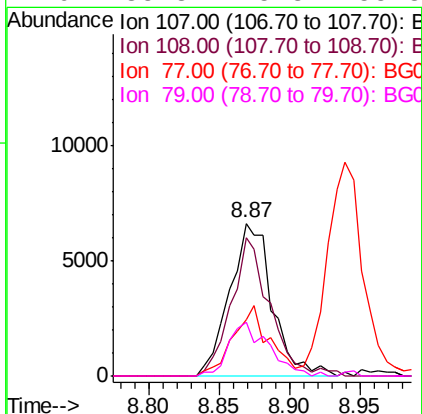
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

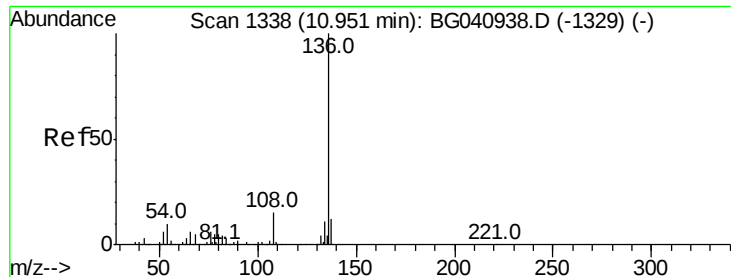
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	77.9	51.5	77.3#	
101	8.4	8.1	12.1	
130	26.9	16.6	24.8#	



#20
3+4-Methylphenols
Concen: 4.285 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.8	66.8	106.8	
77	37.0	20.5	60.5	
79	35.3	15.8	55.8	

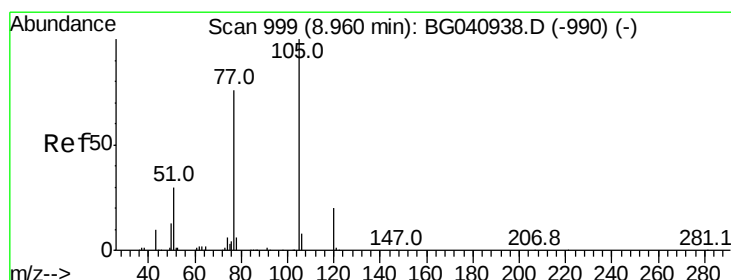
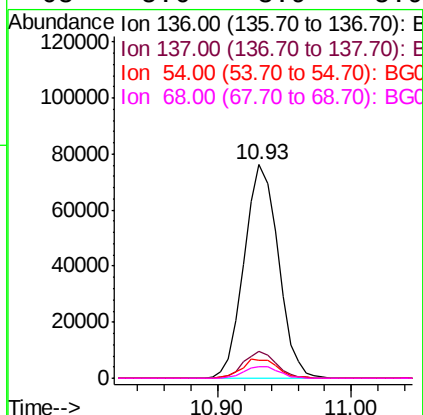
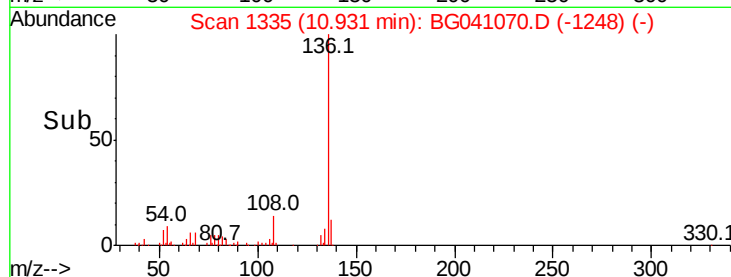
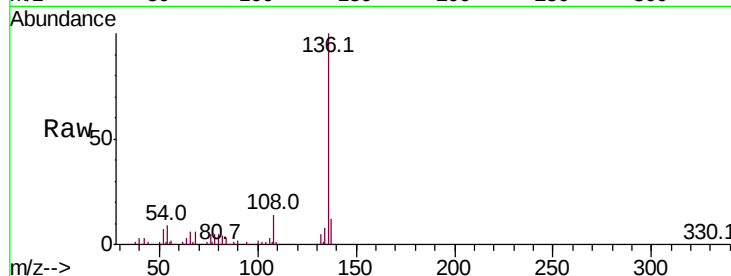




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

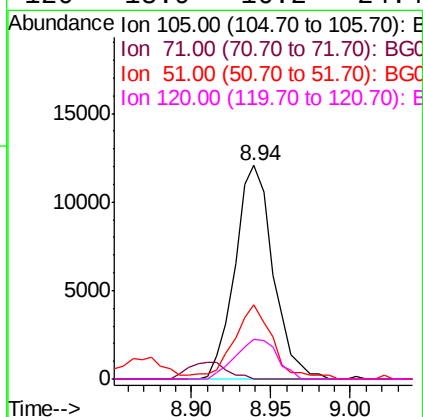
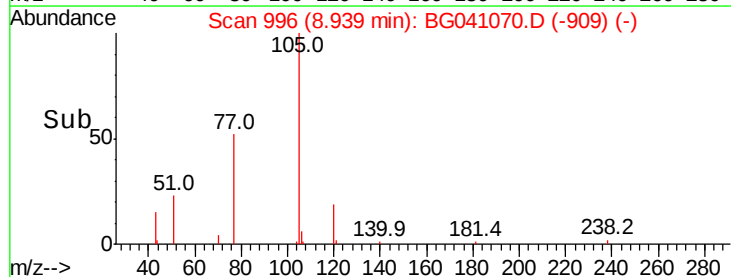
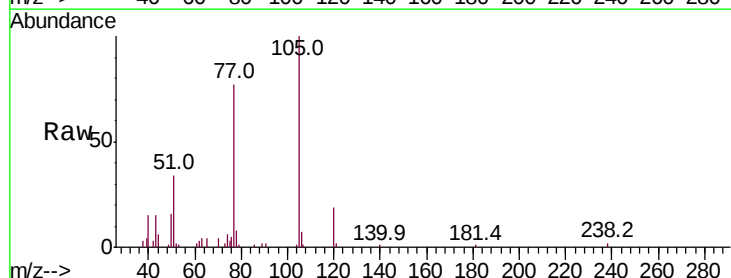
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:136	Resp:	134984	
Ion Ratio	Lower	Upper	
136 100			
137 12.4	9.5	14.3	
54 8.5	7.6	11.4	
68 5.6	3.9	5.9	



#22
Acetophenone
Concen: 5.309 ng
RT: 8.94 min Scan# 996
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ion:105 Ratio	Resp: Lower	20102 Upper
105	100		
71	0.0	0.4	0.6#
51	34.5	27.0	40.6
120	18.9	16.2	24.4

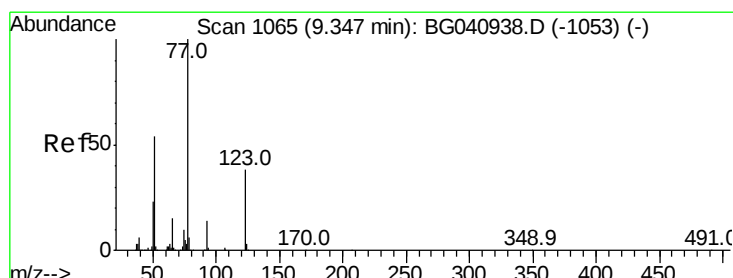
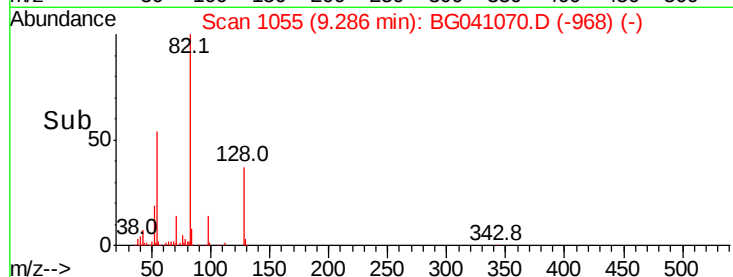
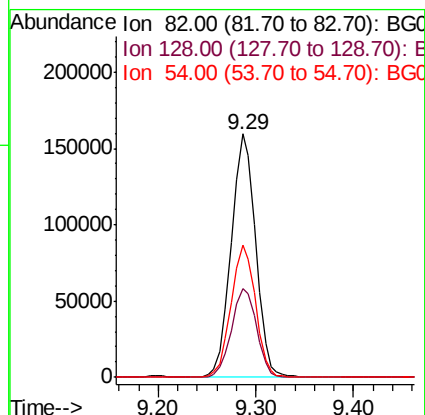
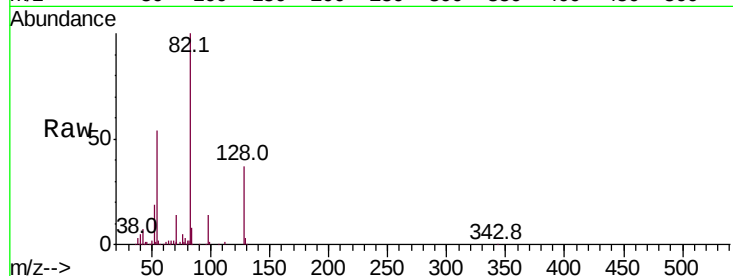




#23
Nitrobenzene-d5
Concen: 91.207 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

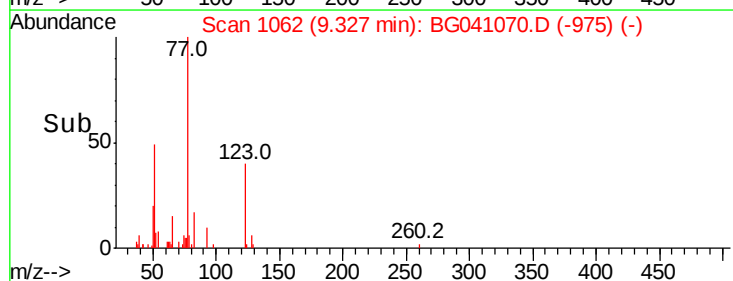
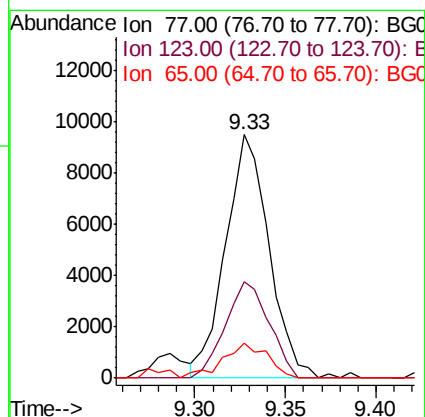
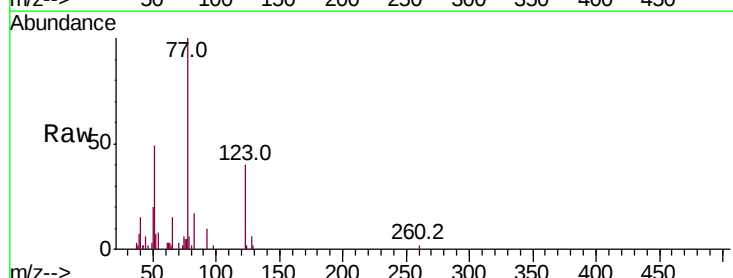
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

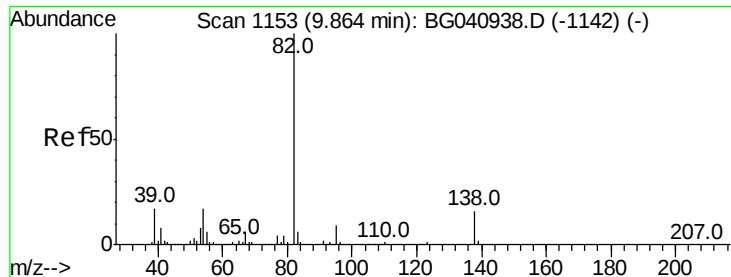
Tot Ion	82	Resp	277326
Ion Ratio	100	Lower	Upper
128	36.7	30.5	45.7
54	54.2	44.6	66.8



#24
Nitrobenzene
Concen: 5.091 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	77	Resp	15774
Ion Ratio	100	Lower	Upper
123	39.7	30.6	46.0
65	14.5	12.3	18.5





#25

Isophorone

Concen: 4.837 ng

RT: 9.84 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

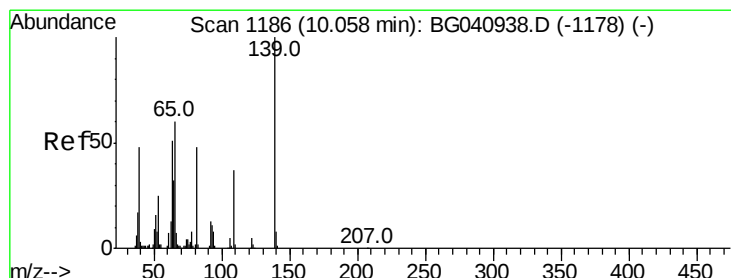
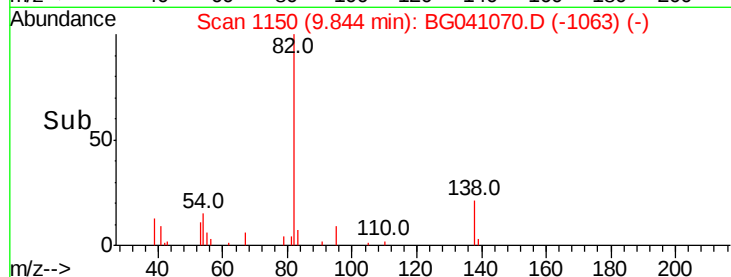
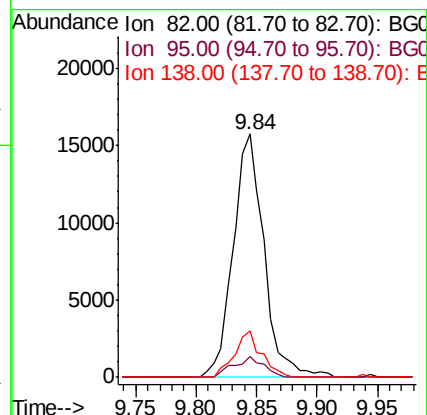
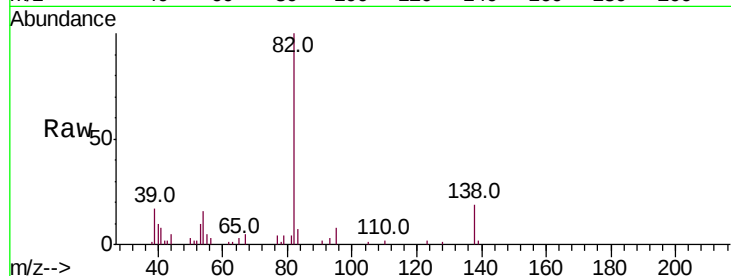
Tot Ion: 82 Resp: 27987

Ion Ratio Lower Upper

82 100

95 8.4 7.0 10.4

138 19.1 12.6 19.0#



#26

2-Nitrophenol

Concen: 4.994 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

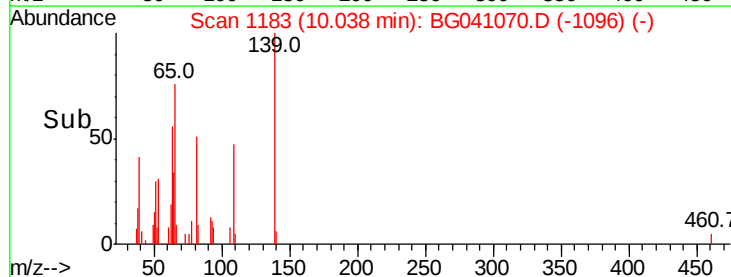
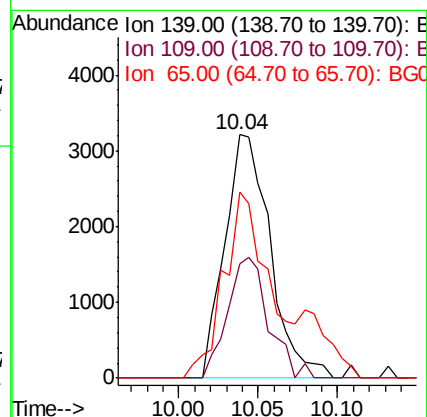
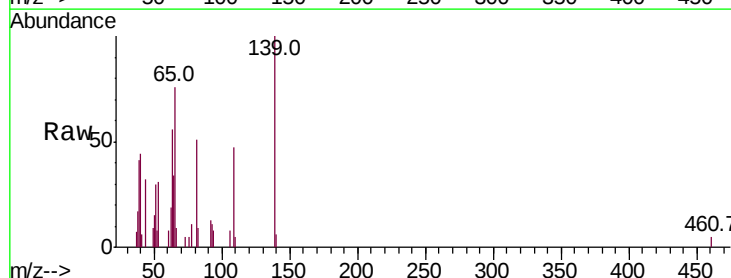
Tgt Ion: 139 Resp: 6379

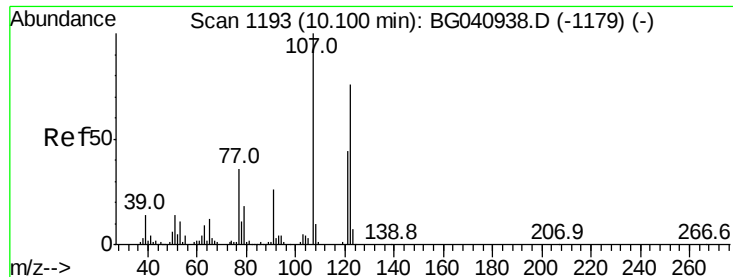
Ion Ratio Lower Upper

139 100

109 46.9 29.8 44.6#

65 76.2 47.8 71.6#

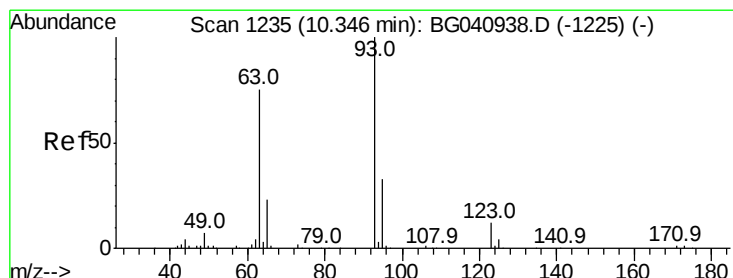
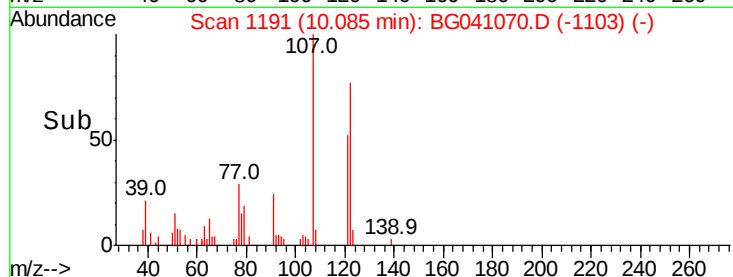
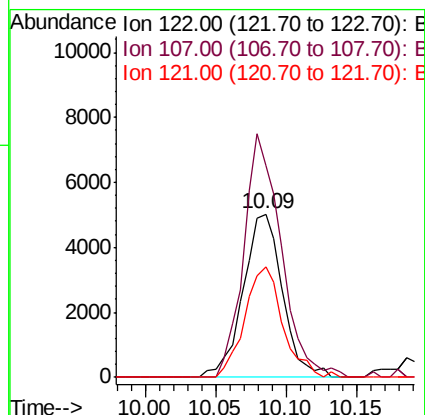
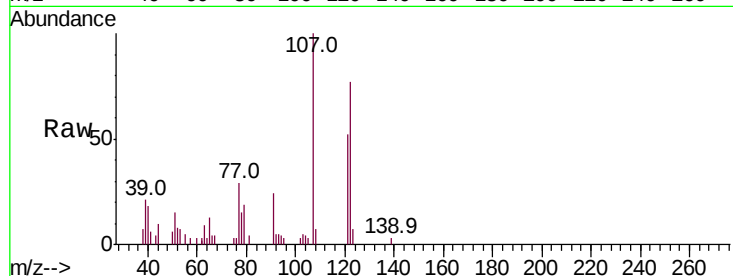




#27
2,4-Dimethylphenol
Concen: 4.647 ng
RT: 10.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

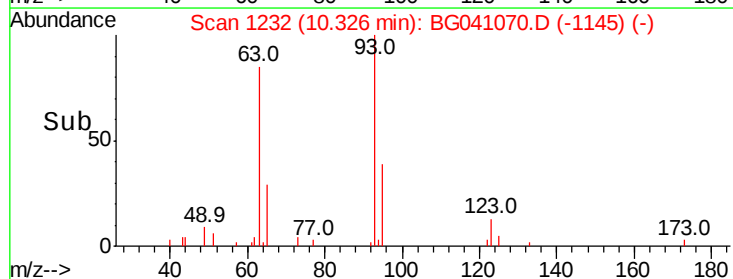
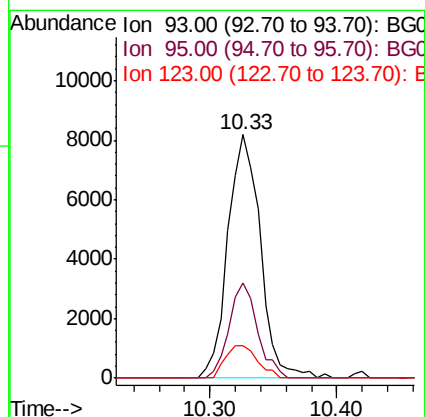
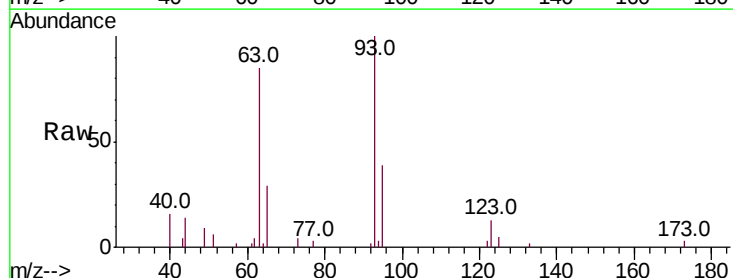
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

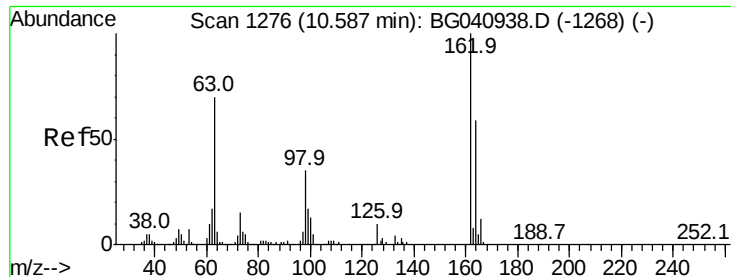
Tot Ion:122 Resp: 9804
Ion Ratio Lower Upper
122 100
107 129.8 105.9 158.9
121 67.7 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 4.638 ng
RT: 10.33 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion: 93 Resp: 14484
Ion Ratio Lower Upper
93 100
95 39.2 26.2 39.2#
123 13.2 9.5 14.3

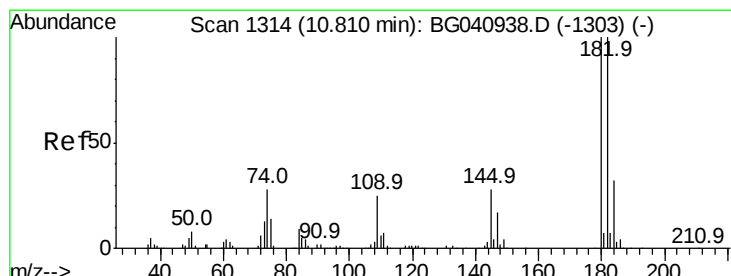
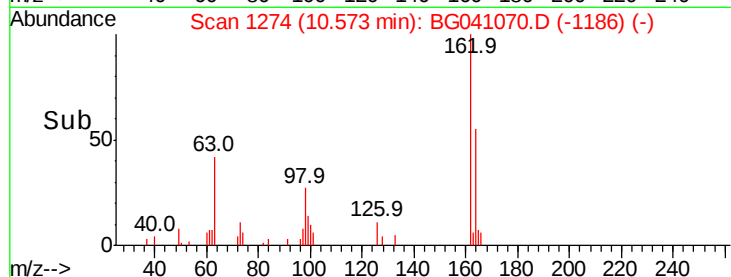
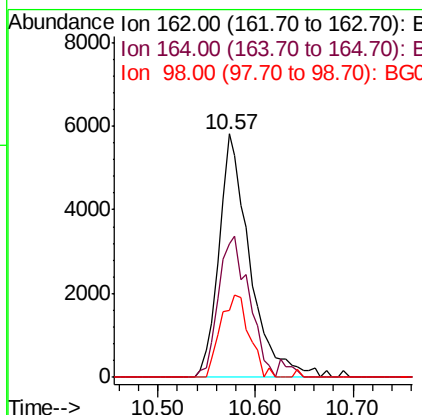
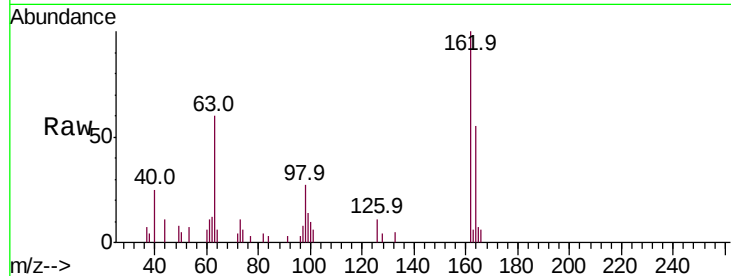




#29
2,4-Dichlorophenol
Concen: 4.758 ng
RT: 10.57 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

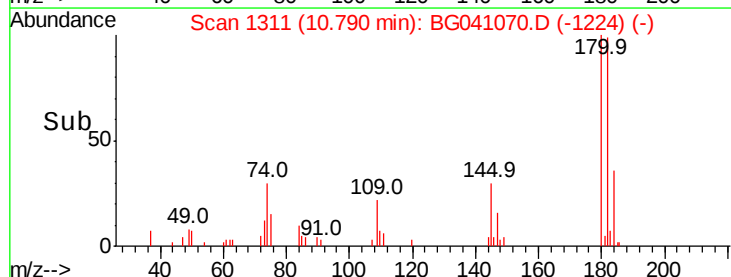
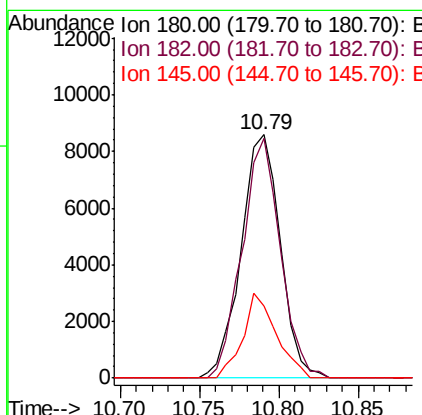
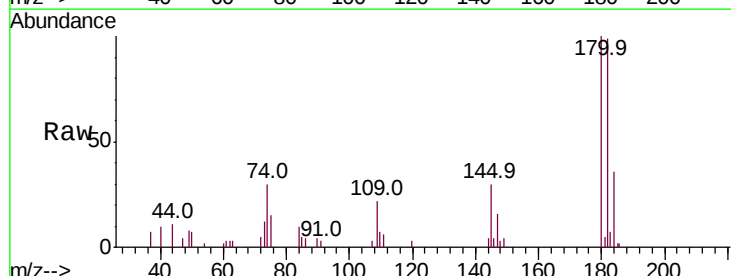
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

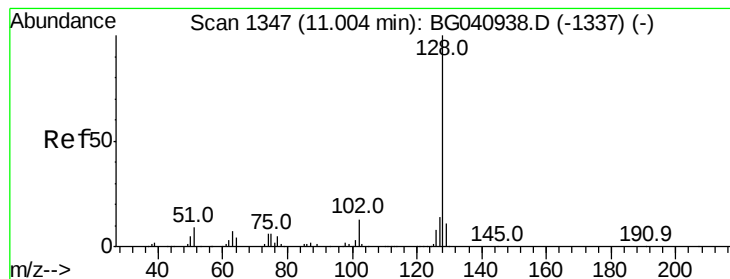
Tot Ion	Ratio	Lower	Upper
162	100		
164	55.1	39.4	79.4
98	27.3	15.3	55.3



#30
1,2,4-Trichlorobenzene
Concen: 4.860 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	79.7	119.5
145	29.8	22.6	34.0

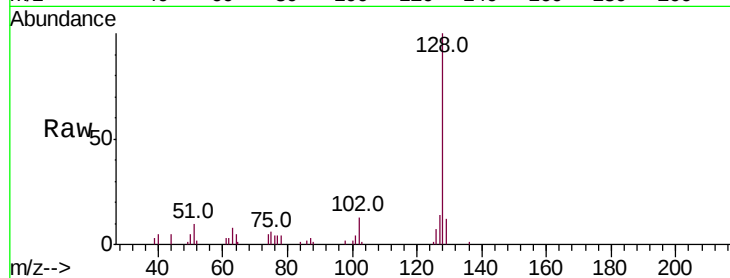




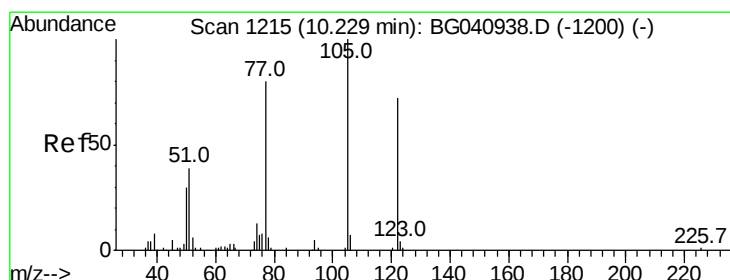
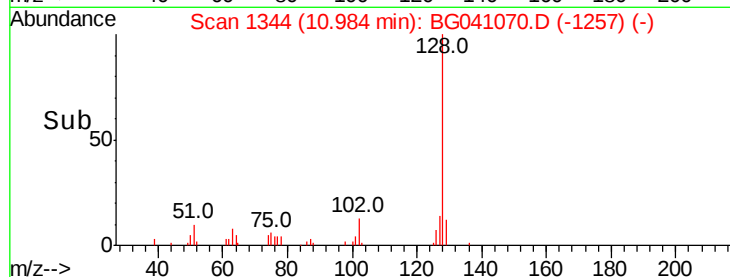
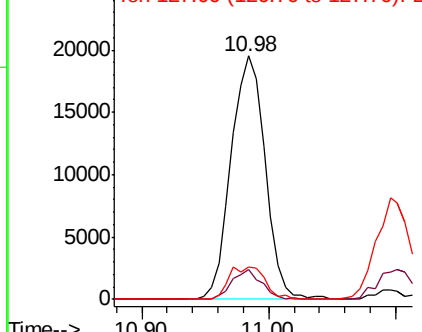
#31
Naphthalene
Concen: 5.020 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:128 Resp: 36379
Ion Ratio Lower Upper
128 100
129 12.2 8.5 12.7
127 13.5 11.4 17.2

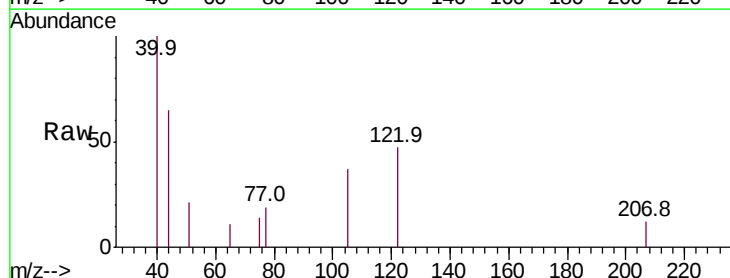


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

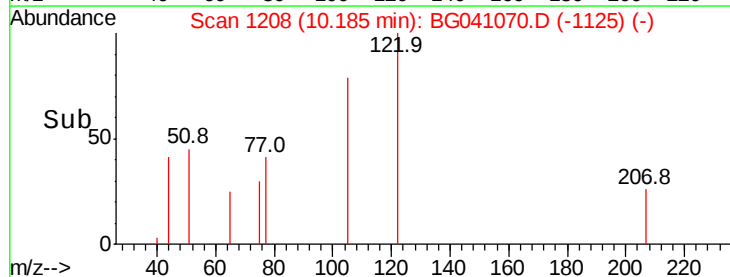
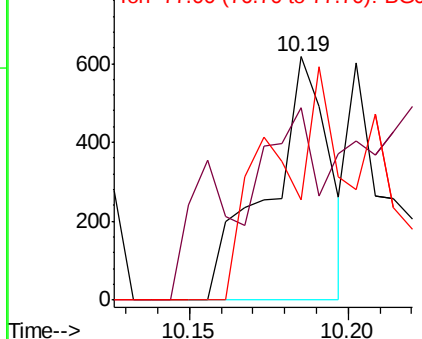


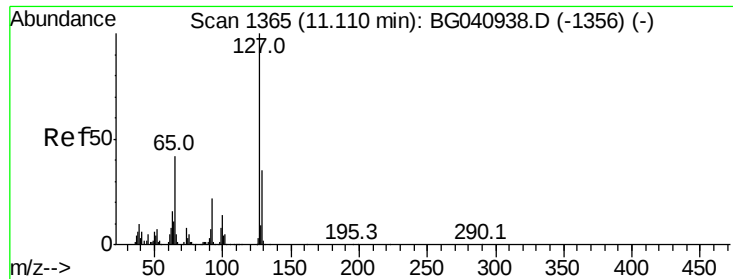
#32
Benzoic acid
Concen: 8.543 ng
RT: 10.19 min Scan# 1208
Delta R.T. -0.04 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion:122 Resp: 816
Ion Ratio Lower Upper
122 100
105 79.0 114.8 154.8#
77 41.3 89.9 129.9#



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

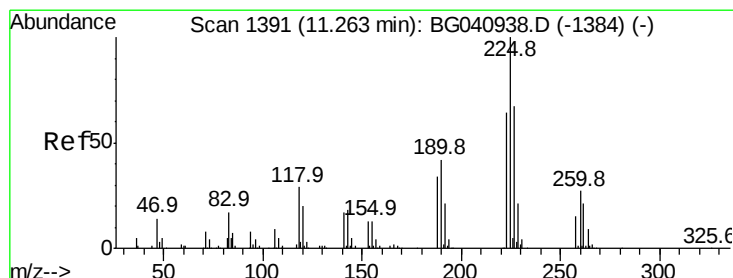
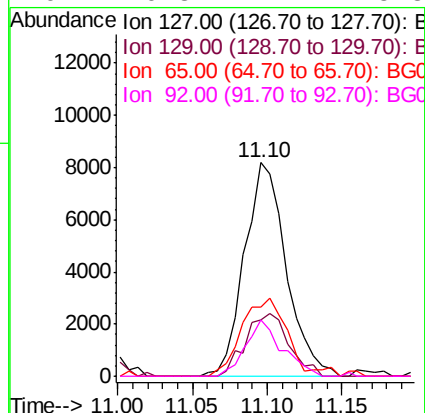
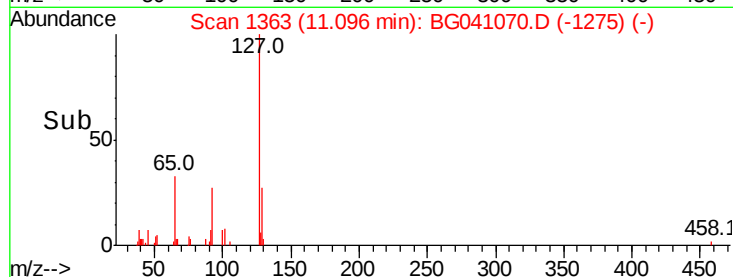
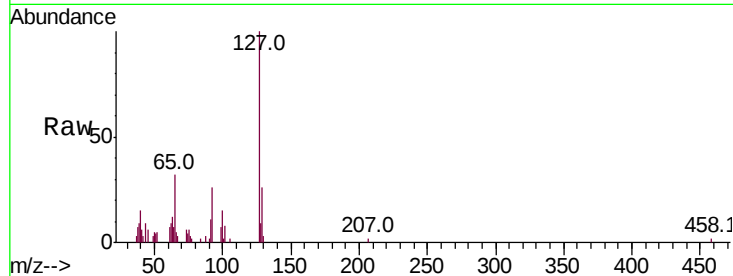




#33
4-Chloroaniline
Concen: 4.728 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

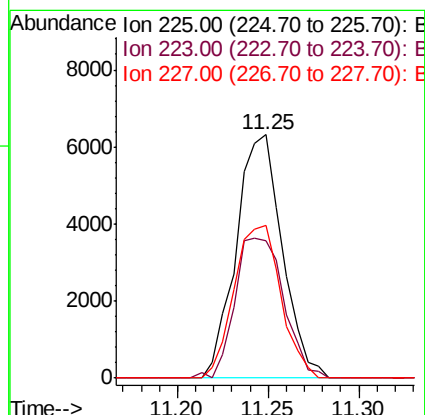
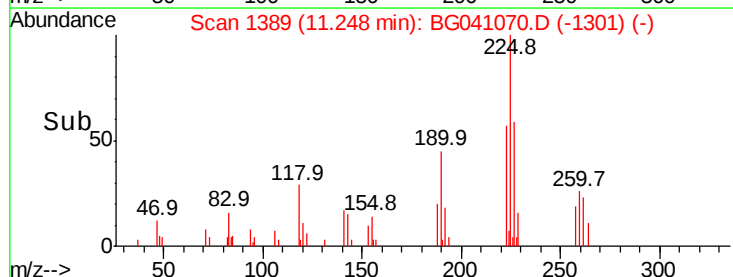
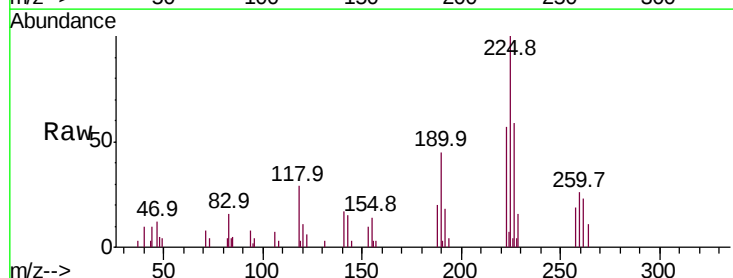
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

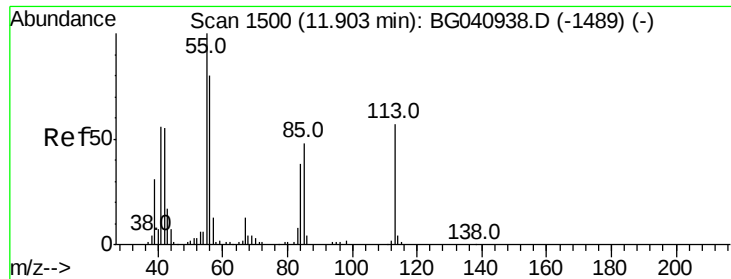
Tot Ion:127	Resp:	15898
Ion Ratio	Lower	Upper
127	100	
129	26.2	27.7 41.5#
65	32.1	33.2 49.8#
92	26.3	17.2 25.8#



#34
Hexachlorobutadiene
Concen: 4.780 ng
RT: 11.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion:225	Resp:	11146
Ion Ratio	Lower	Upper
225	100	
223	54.6	48.8 73.2
227	60.6	51.4 77.0





#35

Caprolactam

Concen: 5.117 ng

RT: 11.85 min Scan# 1492

Delta R.T. -0.05 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

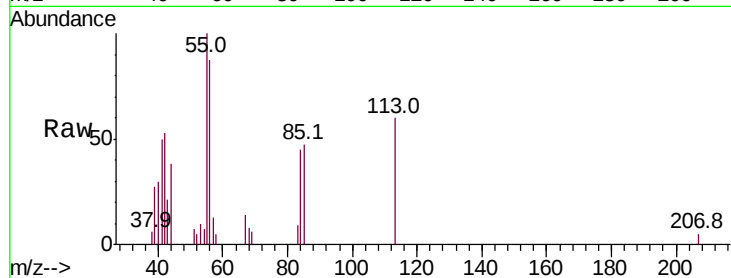
Tot Ion:113 Resp: 4527

Ion Ratio Lower Upper

113 100

55 167.6 155.9 195.9

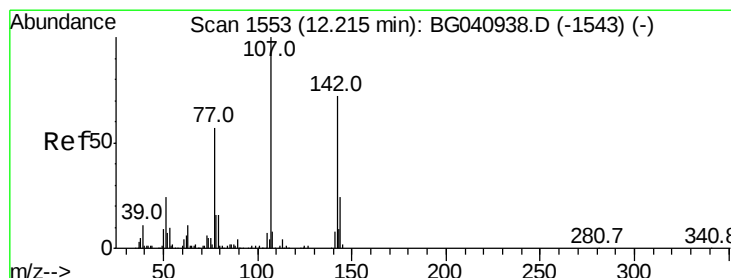
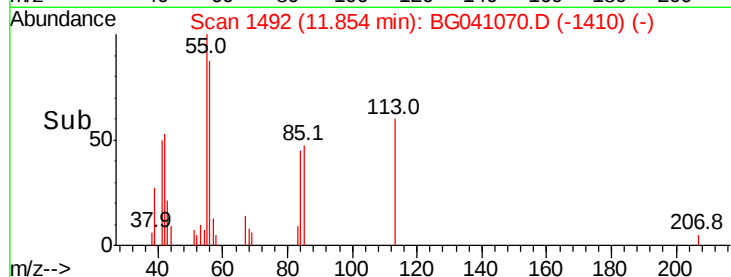
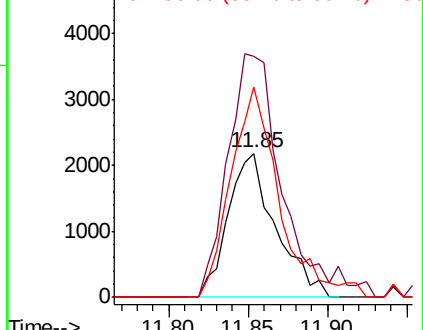
56 146.3 119.9 159.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 4.496 ng

RT: 12.19 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

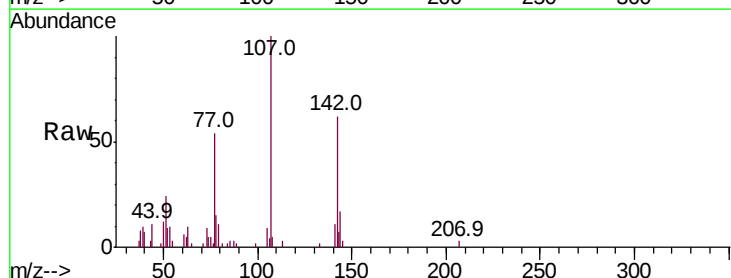
Tgt Ion:107 Resp: 13757

Ion Ratio Lower Upper

107 100

144 17.2 19.4 29.0#

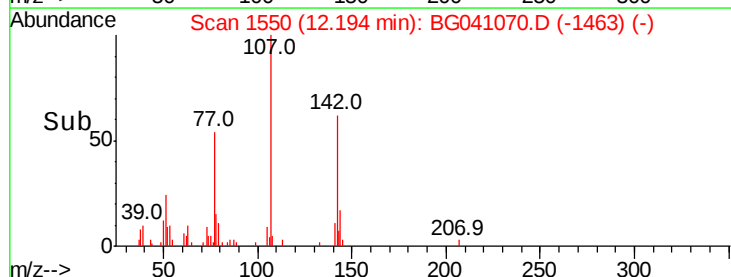
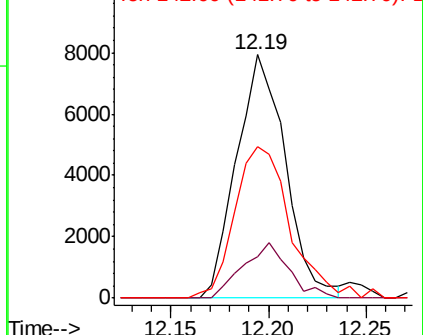
142 62.1 57.3 85.9

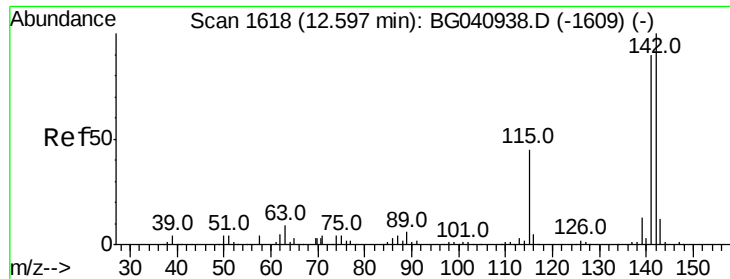


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

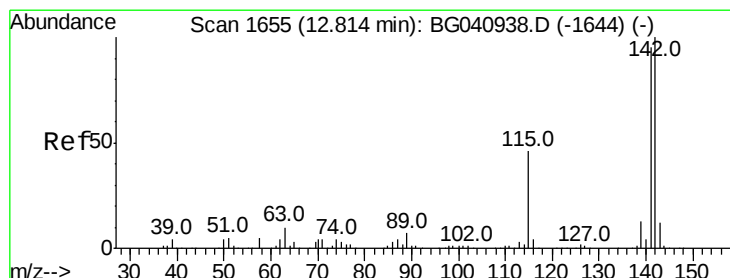
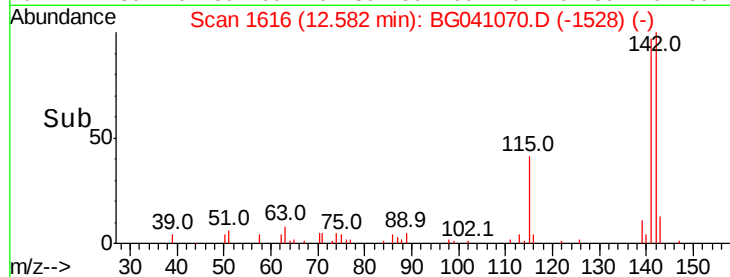
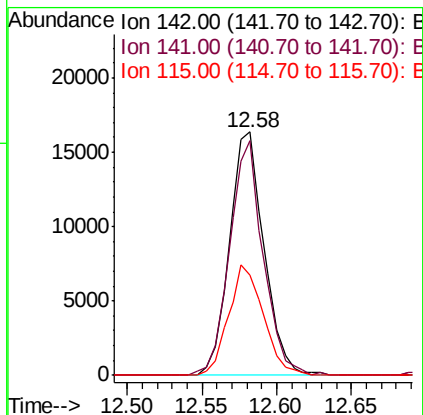
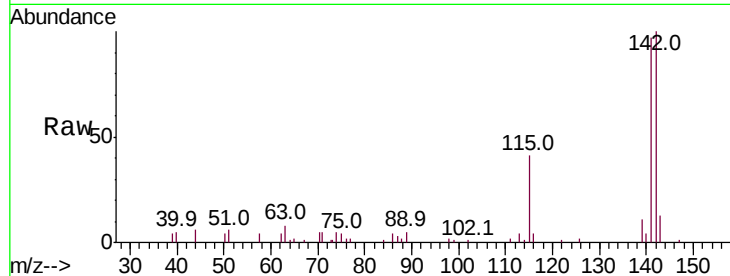




#37
 2-Methylnaphthalene
 Concen: 4.735 ng
 RT: 12.58 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

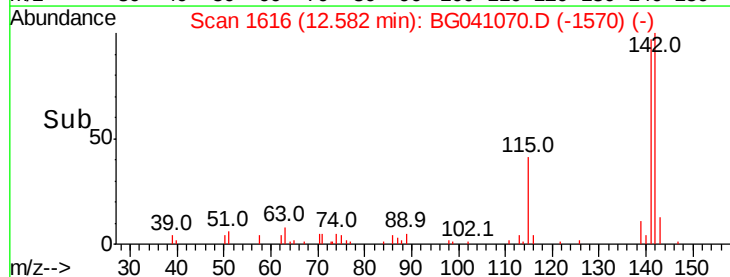
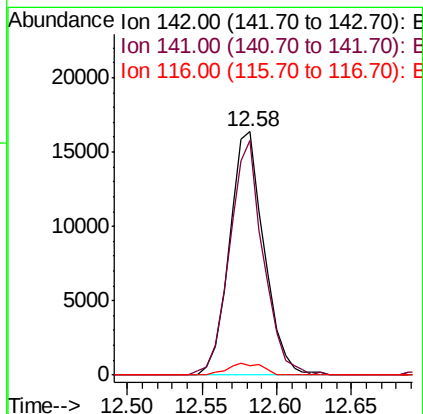
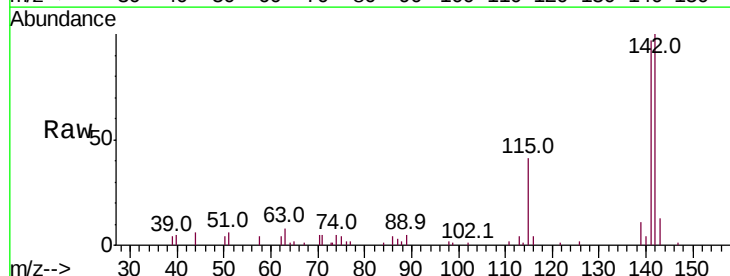
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

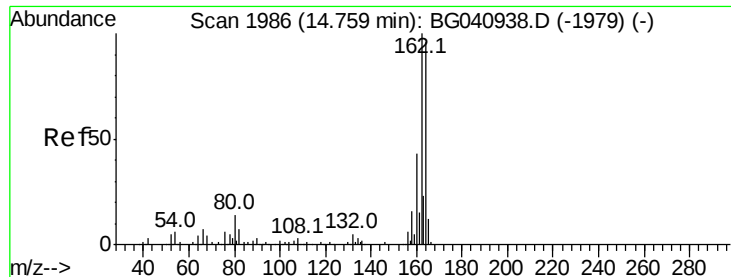
Tot Ion:142 Resp: 26429
 Ion Ratio Lower Upper
 142 100
 141 96.5 72.2 108.4
 115 40.9 36.2 54.4



#38
 1-Methylnaphthalene
 Concen: 5.025 ng
 RT: 12.58 min Scan# 1616
 Delta R.T. -0.23 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion:142 Resp: 26429
 Ion Ratio Lower Upper
 142 100
 141 96.5 75.7 113.5
 116 4.0 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

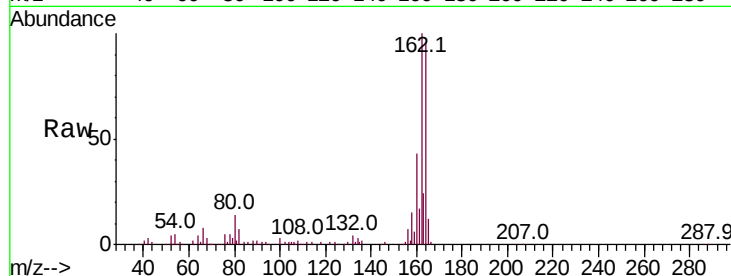
Tot Ion:164 Resp: 93062

Ion Ratio Lower Upper

164 100

162 104.5 83.0 124.4

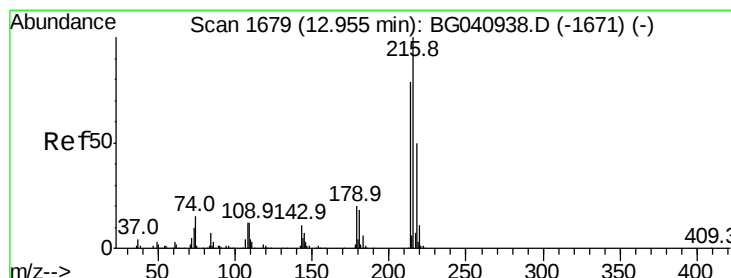
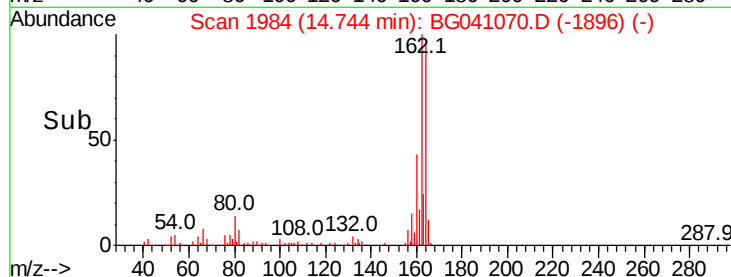
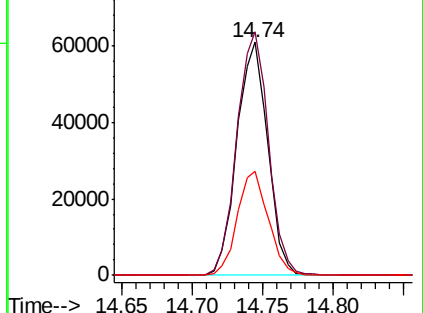
160 44.6 35.6 53.4



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: 5.499 ng

RT: 12.94 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:216 Resp: 20628

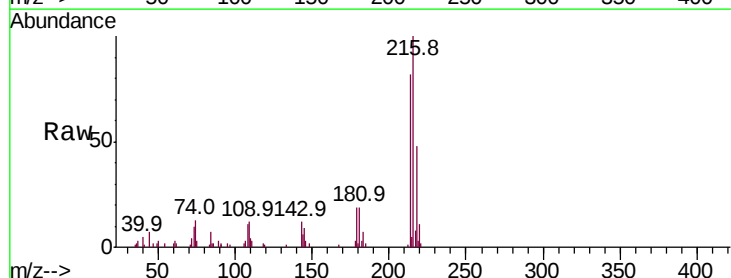
Ion Ratio Lower Upper

216 100

214 76.5 63.4 95.2

179 18.8 15.2 22.8

108 13.0 11.4 17.2

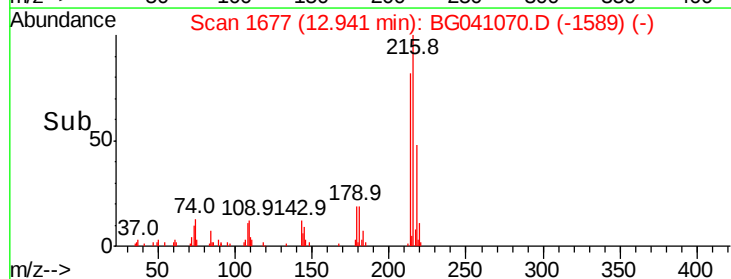
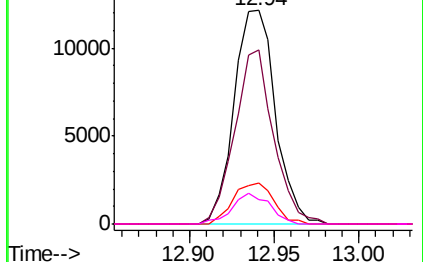


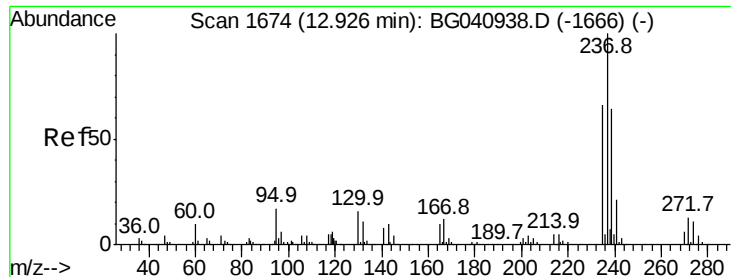
Abundance Ion 216.00 (215.70 to 216.70): E

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: 11.306 ng

RT: 12.91 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

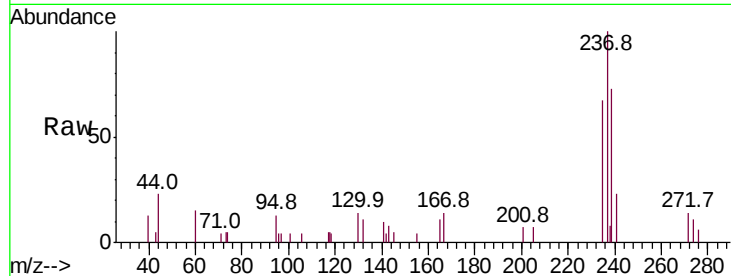
Tot Ion:237 Resp: 6902

Ion Ratio Lower Upper

237 100

235 66.8 45.5 85.5

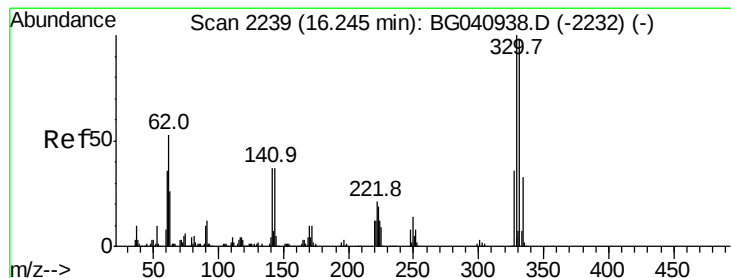
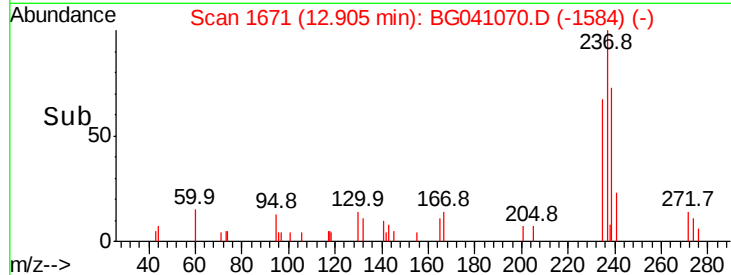
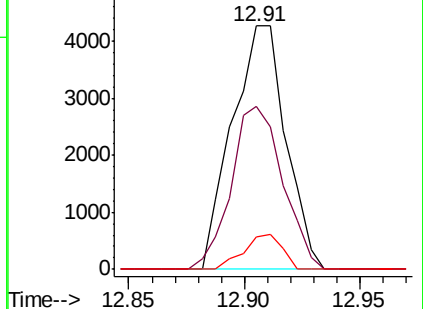
272 13.5 0.0 32.9



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: 156.663 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

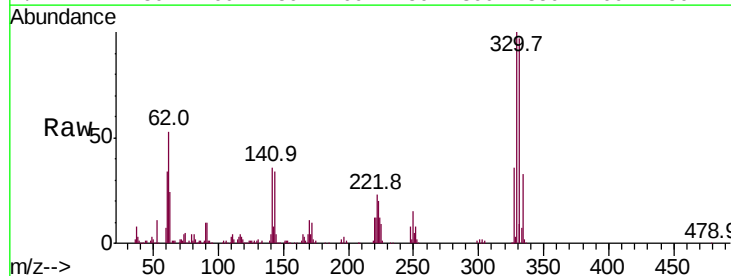
Tgt Ion:330 Resp: 216441

Ion Ratio Lower Upper

330 100

332 96.2 78.5 117.7

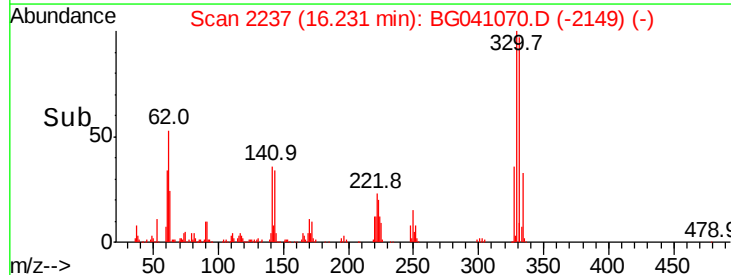
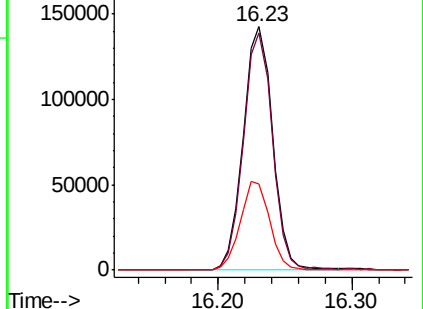
141 36.5 28.7 43.1

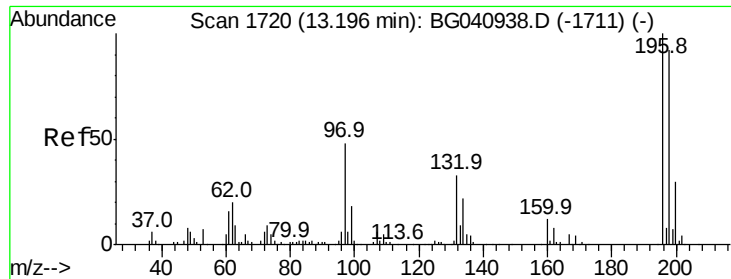


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

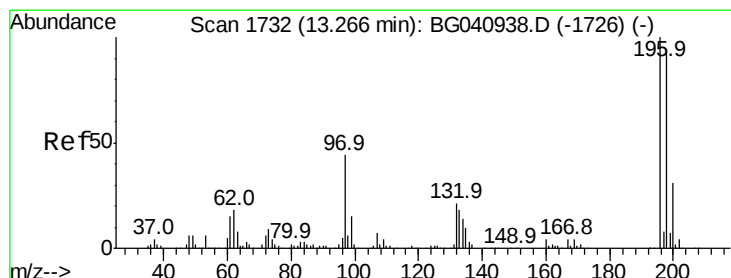
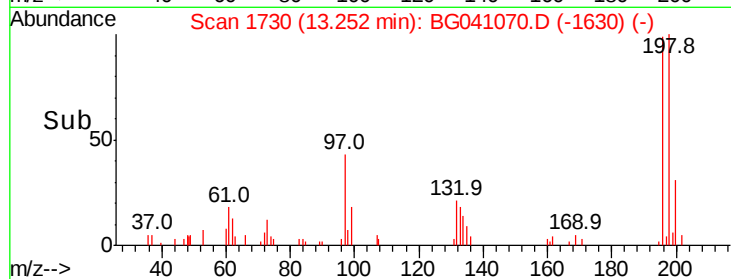
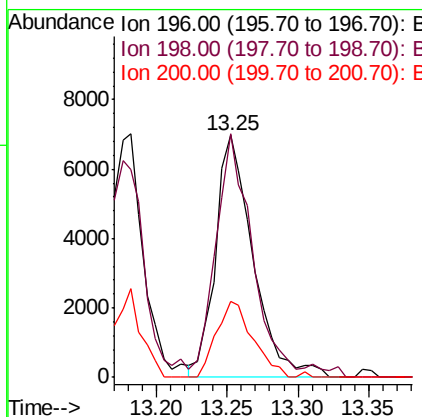
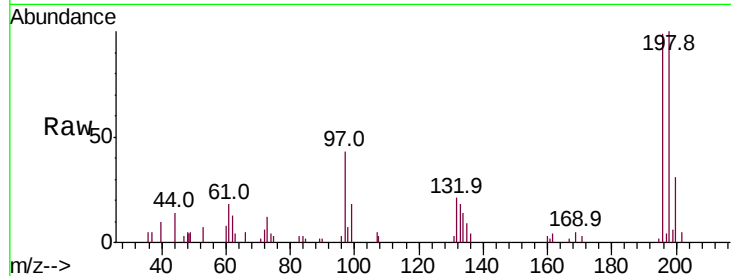




#43
 2,4,6-Trichlorophenol
 Concen: 5.308 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. 0.06 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

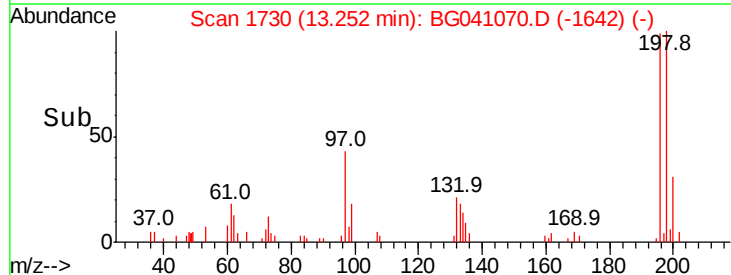
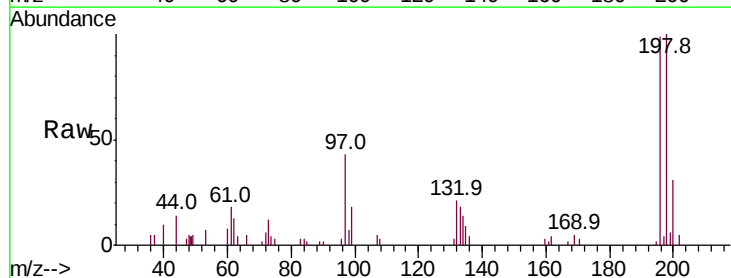
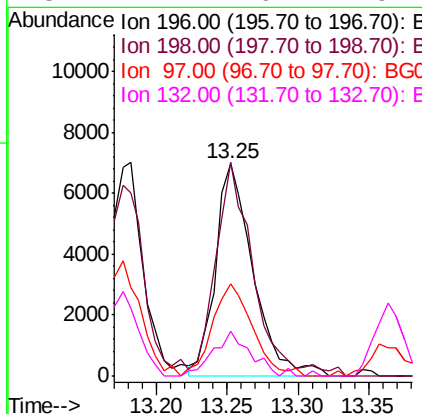
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

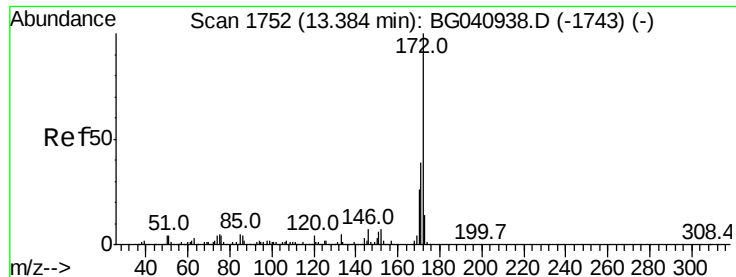
Tot Ion:196 Resp: 12881
 Ion Ratio Lower Upper
 196 100
 198 100.7 73.8 110.6
 200 31.7 24.1 36.1



#44
 2,4,5-Trichlorophenol
 Concen: 5.033 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion:196 Resp: 12881
 Ion Ratio Lower Upper
 196 100
 198 100.7 75.1 112.7
 97 43.6 35.6 53.4
 132 21.4 16.7 25.1

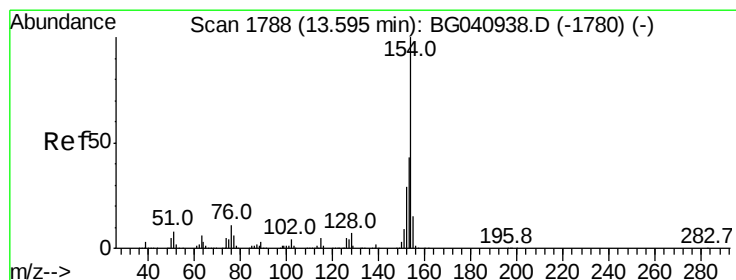
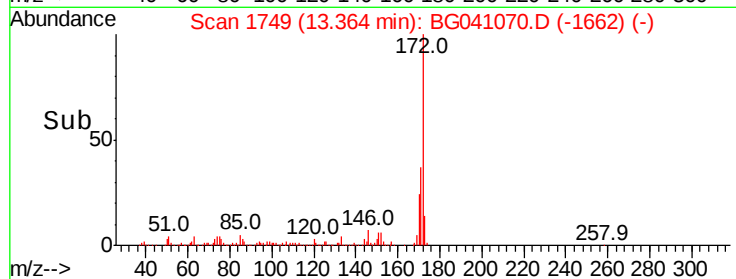
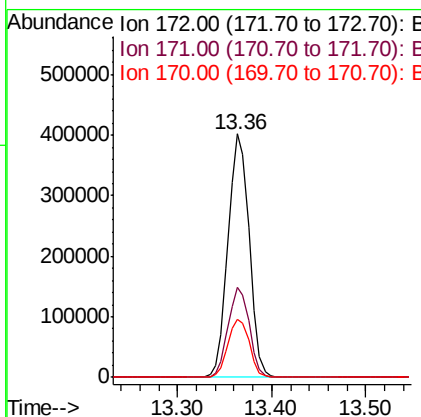
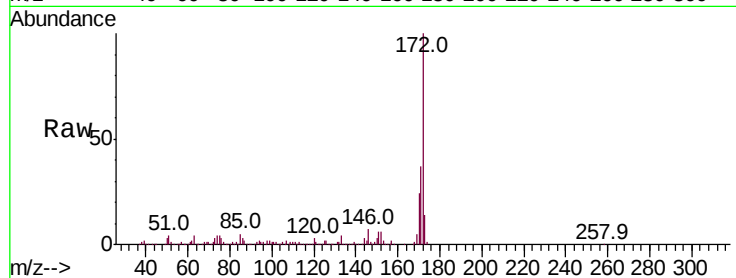




#45
2-Fluorobiphenyl
Concen: 96.888 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

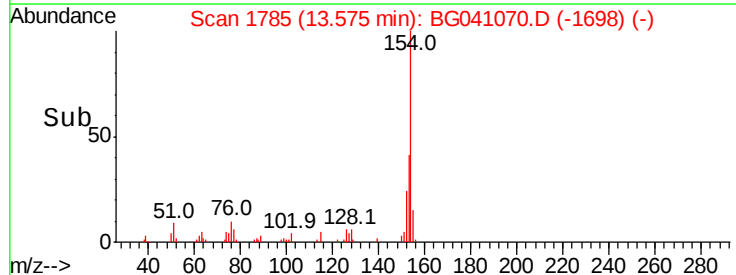
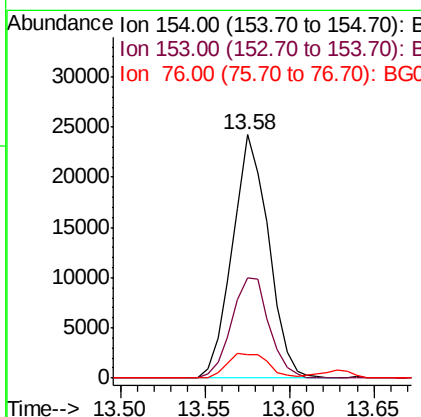
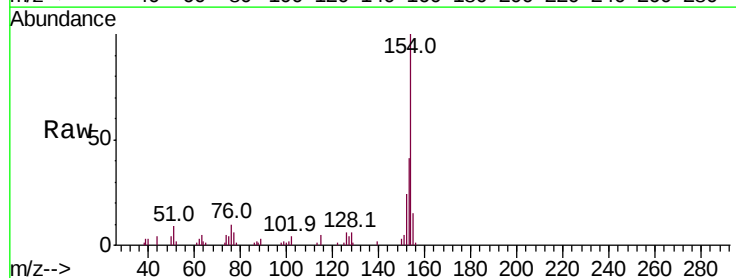
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

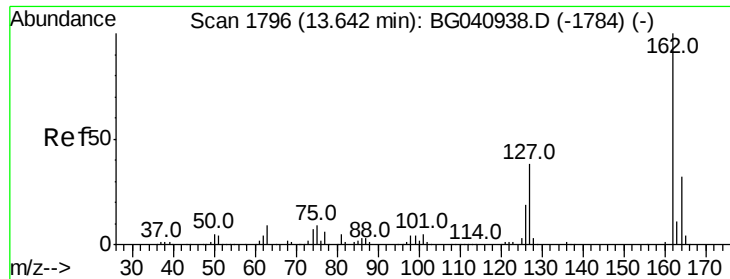
Tot Ion:172 Resp: 626103
Ion Ratio Lower Upper
172 100
171 37.0 31.1 46.7
170 23.9 20.5 30.7



#46
1,1'-Biphenyl
Concen: 5.253 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion:154 Resp: 36187
Ion Ratio Lower Upper
154 100
153 41.0 23.3 63.3
76 9.7 0.0 31.1

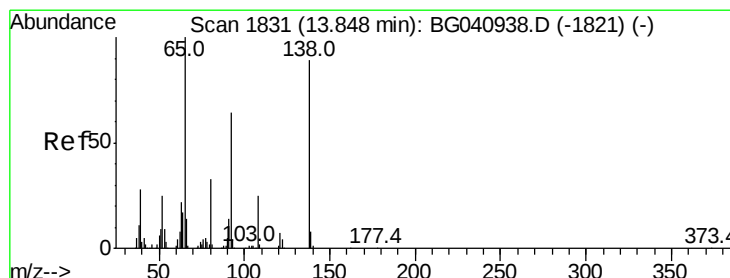
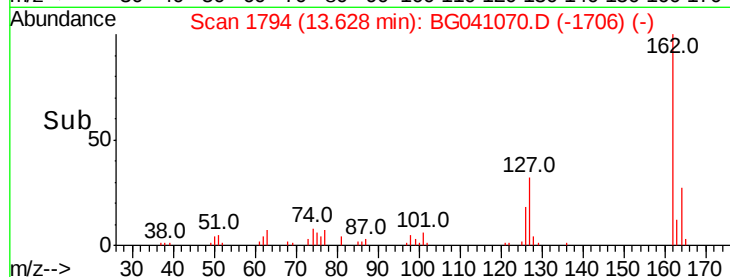
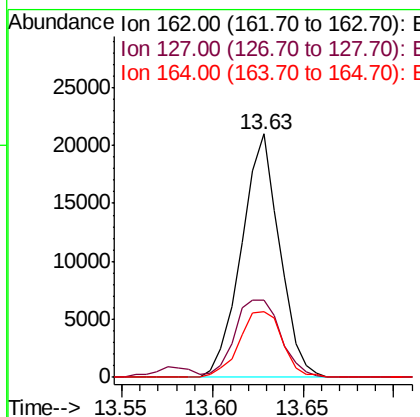
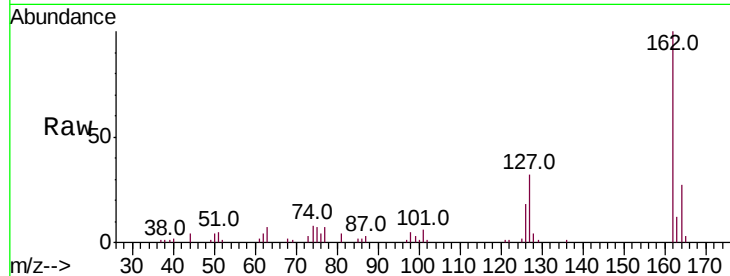




#47
 2-Chloronaphthalene
 Concen: 5.191 ng
 RT: 13.63 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

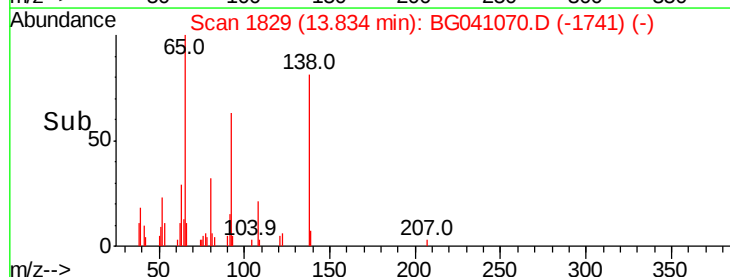
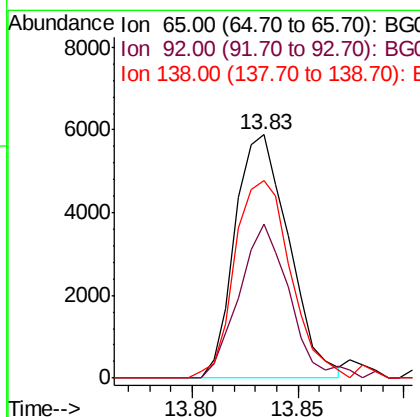
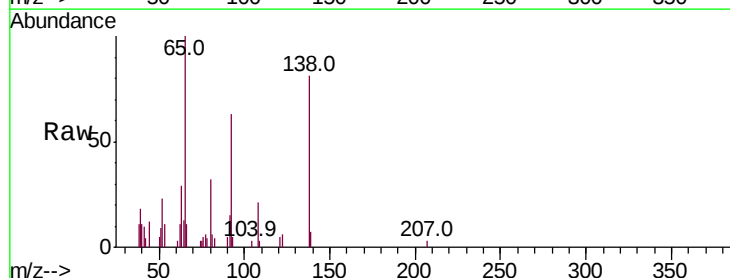
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

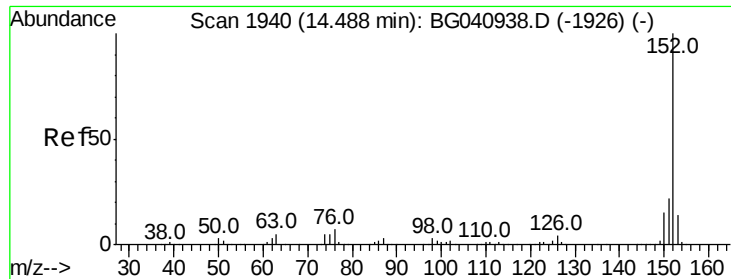
Tot Ion	Ratio	Lower	Upper
162	100		
127	31.7	30.5	45.7
164	27.2	25.8	38.6



#48
 2-Nitroaniline
 Concen: 4.911 ng
 RT: 13.83 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.2	51.0	76.6
138	81.1	71.2	106.8





#49

Acenaphthylene

Concen: 5.259 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

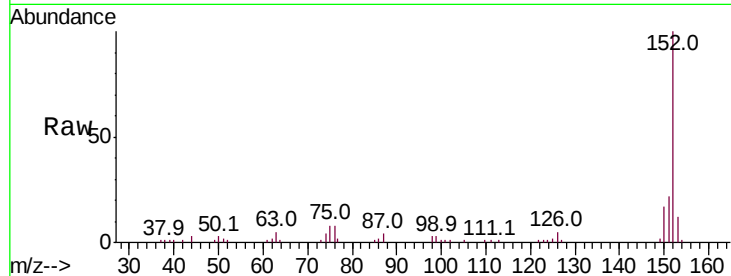
Tot Ion:152 Resp: 46811

Ion Ratio Lower Upper

152 100

151 22.5 17.4 26.0

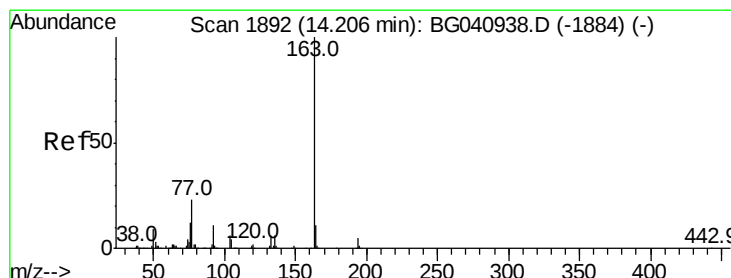
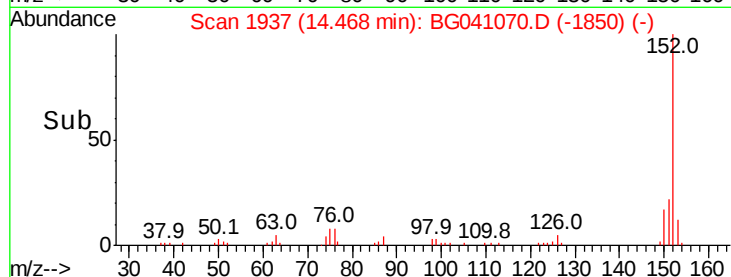
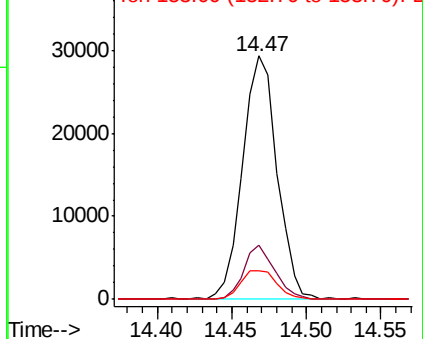
153 11.8 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.041 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

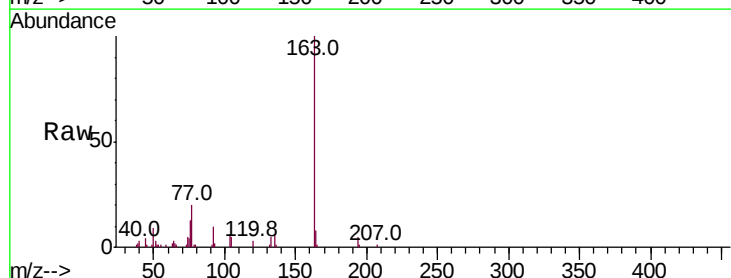
Tgt Ion:163 Resp: 39714

Ion Ratio Lower Upper

163 100

194 4.7 3.8 5.8

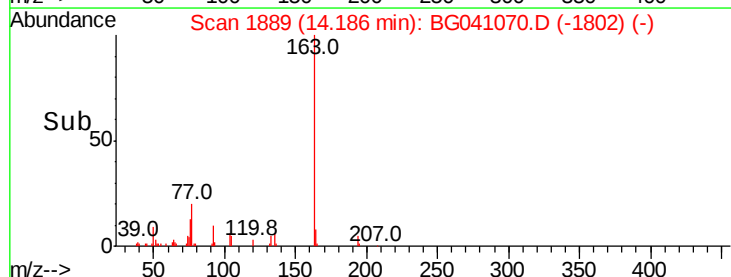
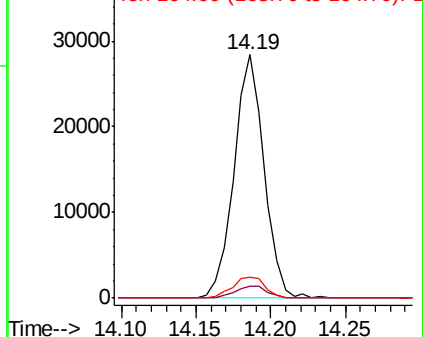
164 8.3 8.7 13.1#

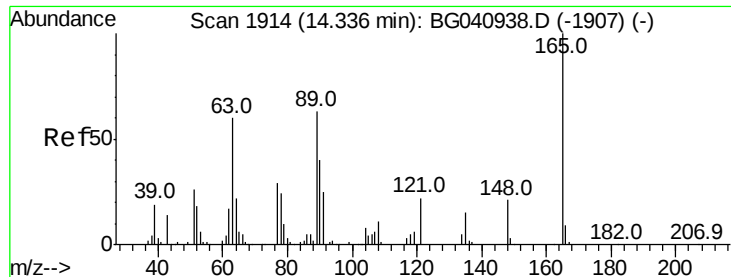


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 5.005 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

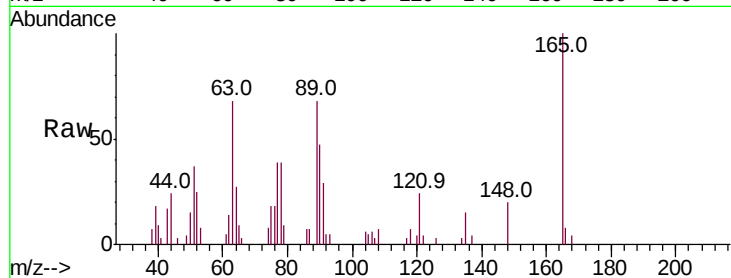
Tot Ion:165 Resp: 8501

Ion Ratio Lower Upper

165 100

63 67.7 53.6 80.4

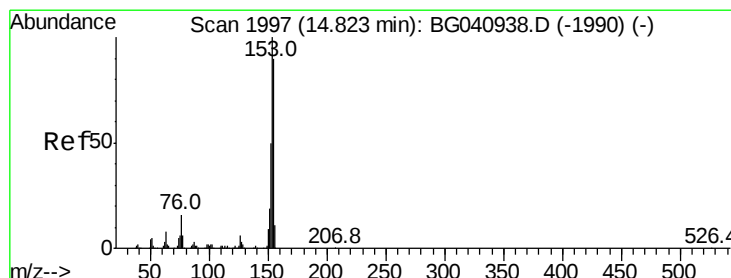
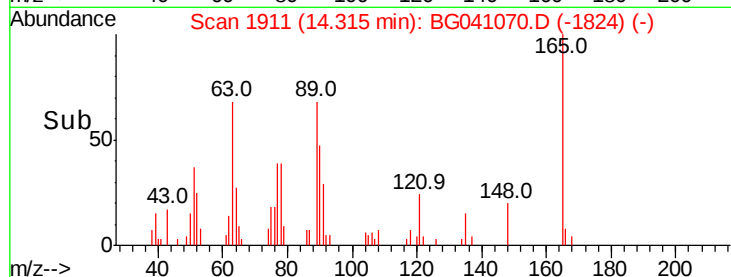
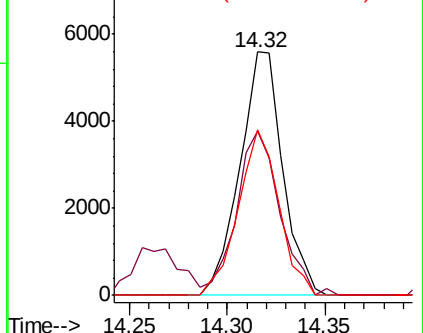
89 68.2 50.4 75.6



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



#52

Acenaphthene

Concen: 5.013 ng

RT: 14.81 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

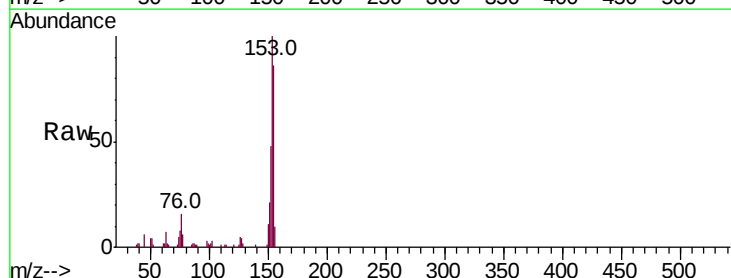
Tgt Ion:154 Resp: 27032

Ion Ratio Lower Upper

154 100

153 115.9 88.6 133.0

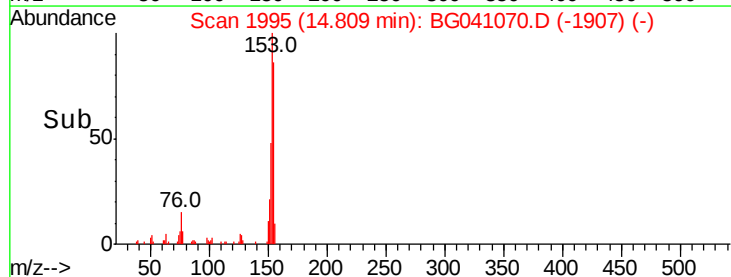
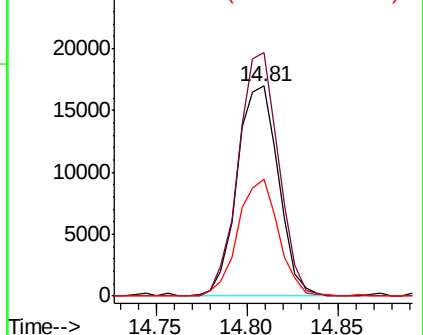
152 55.9 44.2 66.4

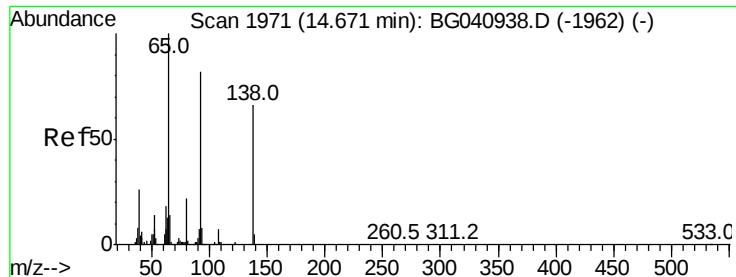


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

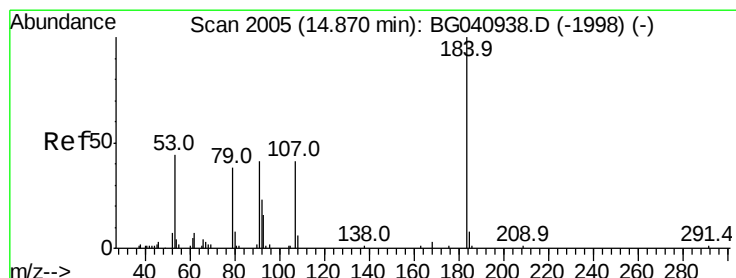
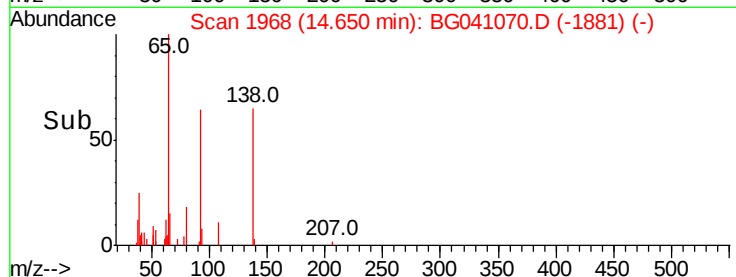
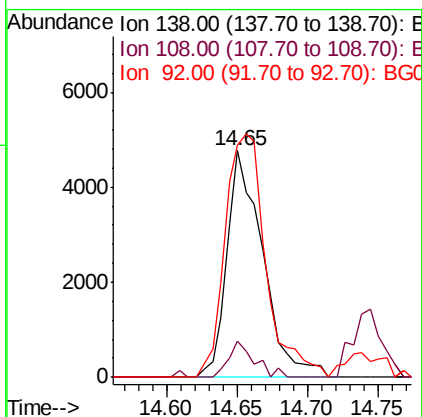
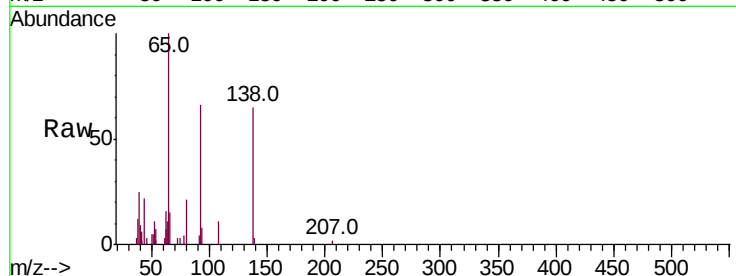




#53
3-Nitroaniline
Concen: 4.975 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

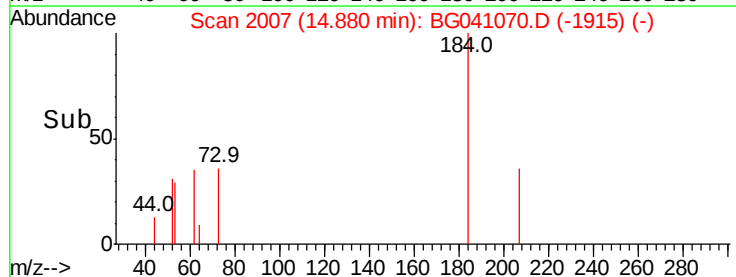
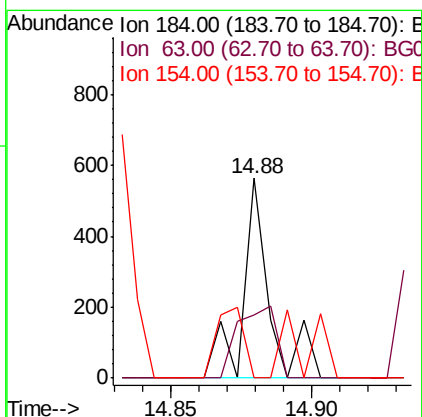
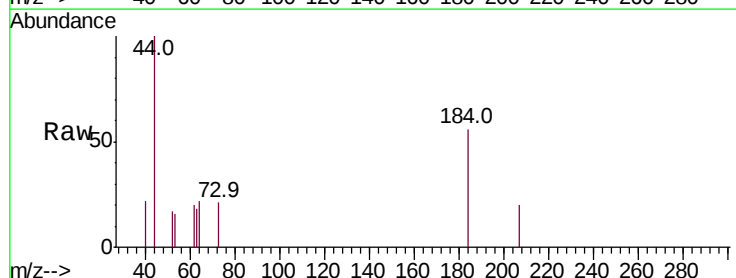
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:138 Resp: 8449
Ion Ratio Lower Upper
138 100
108 16.3 8.5 12.7#
92 102.2 99.0 148.6



#54
2,4-Dinitrophenol
Concen: 8.780 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion:184 Resp: 370
Ion Ratio Lower Upper
184 100
63 31.4 49.8 74.6#
154 0.0 52.2 78.4#





#55

Dibenzenofuran

Concen: 5.122 ng

RT: 15.14 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

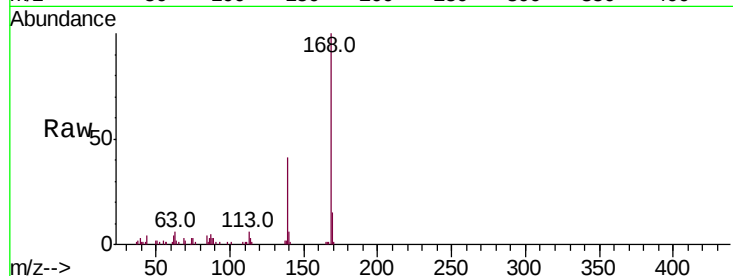
Tot Ion:168 Resp: 46474

Ion Ratio Lower Upper

168 100

139 40.8 32.8 49.2

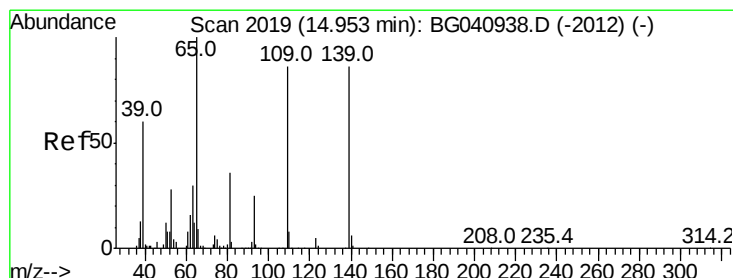
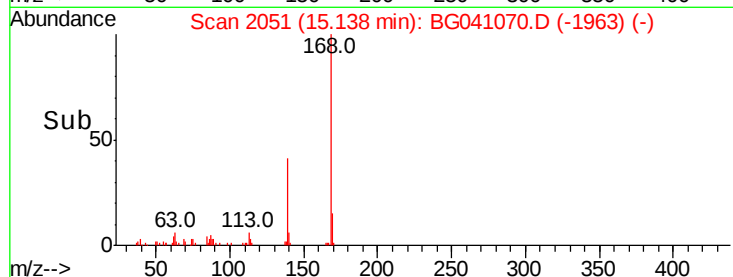
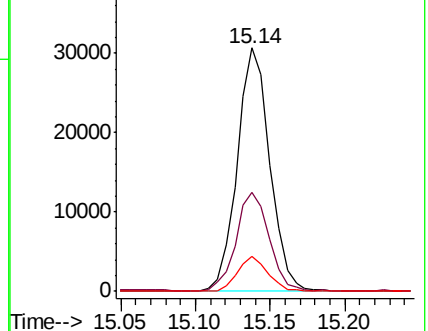
169 14.6 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 4.058 ng

RT: 14.96 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

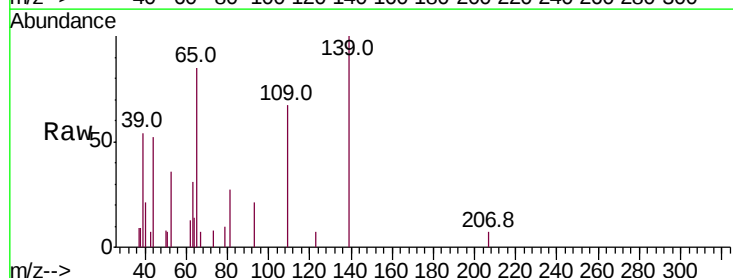
Tgt Ion:139 Resp: 4728

Ion Ratio Lower Upper

139 100

109 66.5 79.6 119.6#

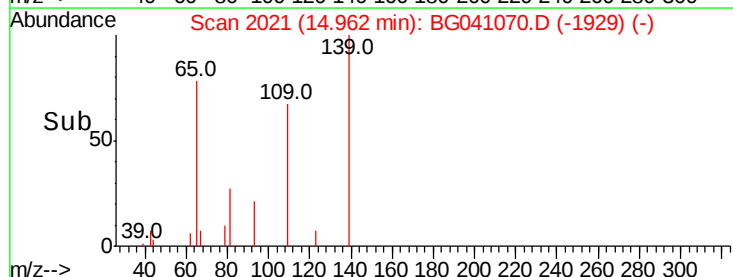
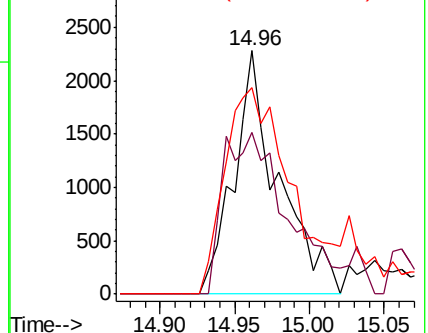
65 85.0 96.9 136.9#

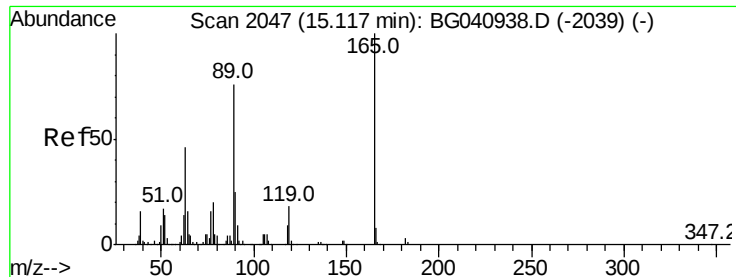


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

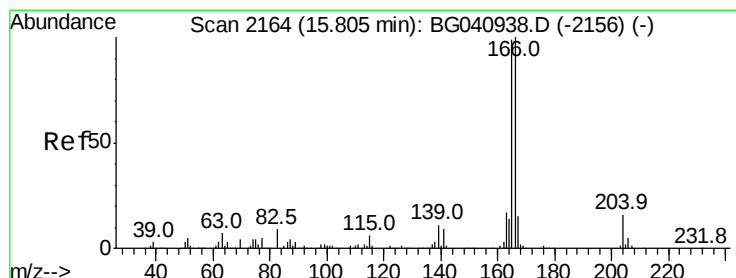
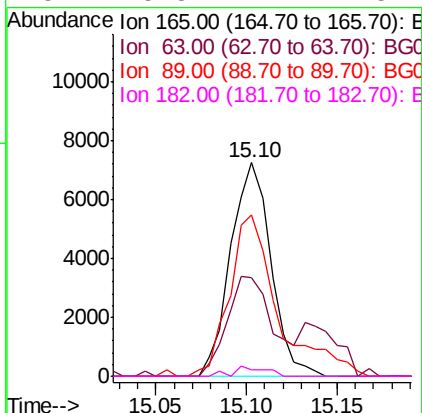
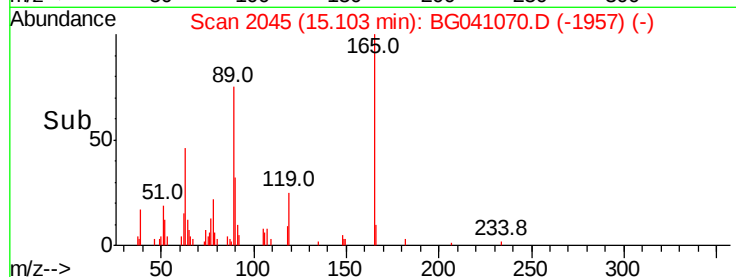
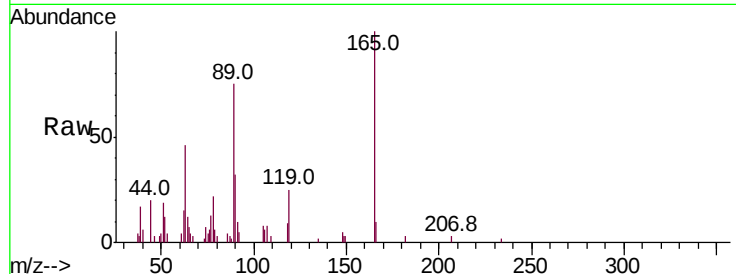




#57
2,4-Dinitrotoluene
Concen: 4.684 ng
RT: 15.10 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

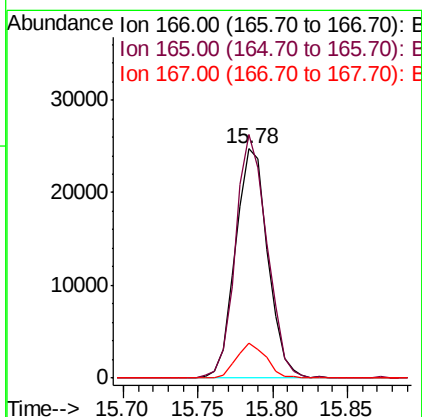
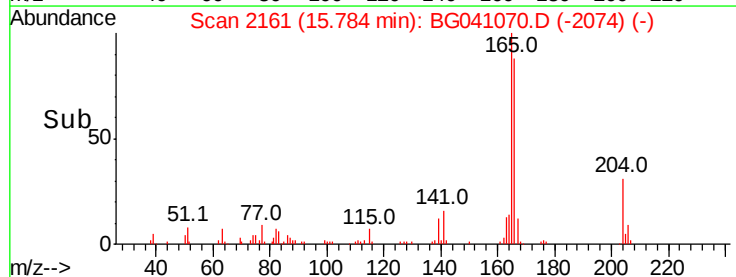
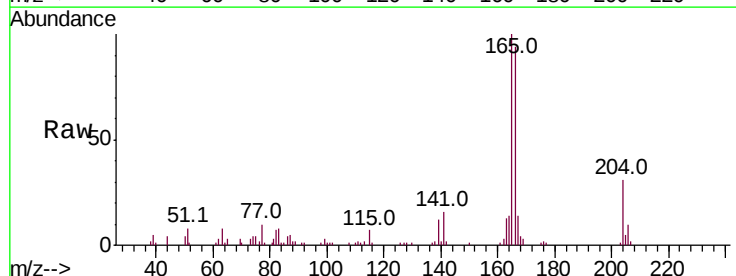
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

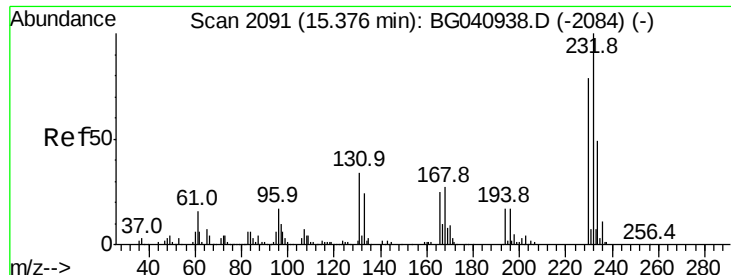
Tot Ion:165 Resp: 11239
Ion Ratio Lower Upper
165 100
63 46.2 37.3 55.9
89 75.5 61.0 91.6
182 3.3 2.2 3.2#



#58
Fluorene
Concen: 5.175 ng
RT: 15.78 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion:166 Resp: 37393
Ion Ratio Lower Upper
166 100
165 106.1 79.2 118.8
167 15.3 11.8 17.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.717 ng

RT: 15.36 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:232 Resp: 11863

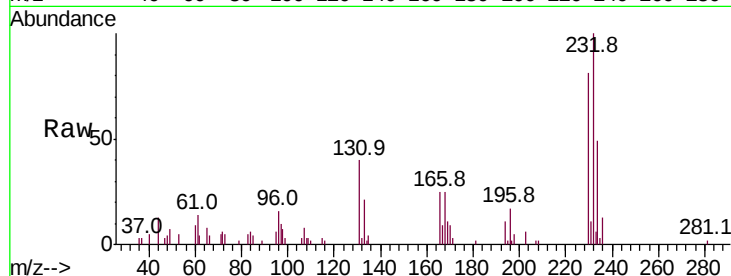
Ion Ratio Lower Upper

232 100

131 40.1 30.3 45.5

130 1.3 1.8 2.8#

166 28.0 21.3 31.9

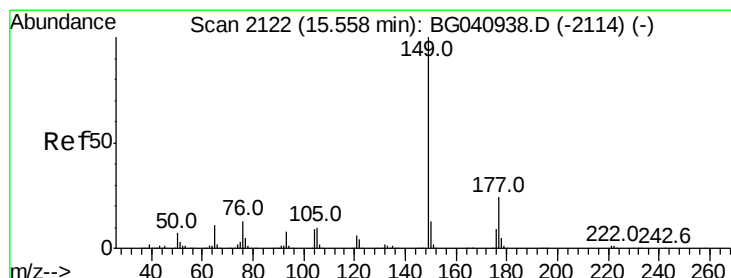
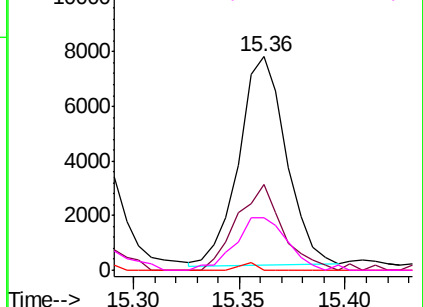
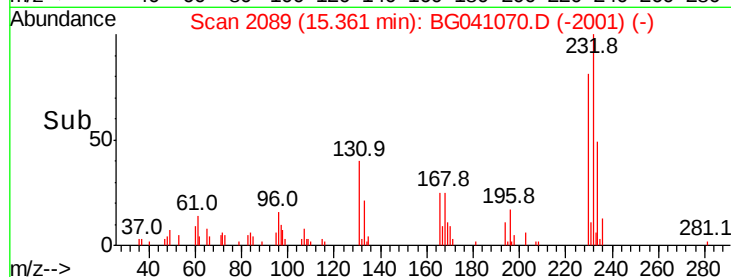


Abundance Ion 232.00 (231.70 to 232.70): E

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: 4.954 ng

RT: 15.54 min Scan# 2119

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

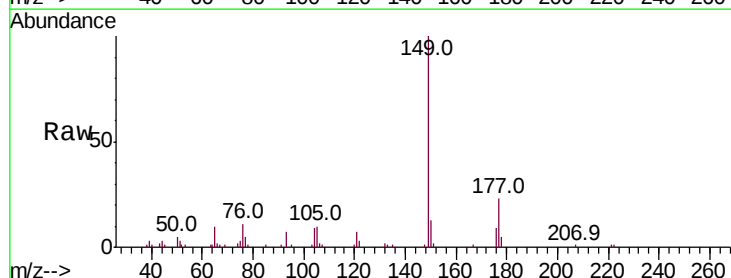
Tgt Ion:149 Resp: 39830

Ion Ratio Lower Upper

149 100

177 23.2 19.4 29.0

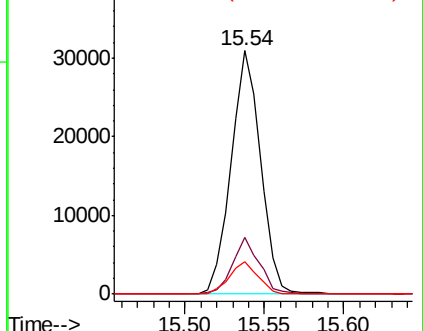
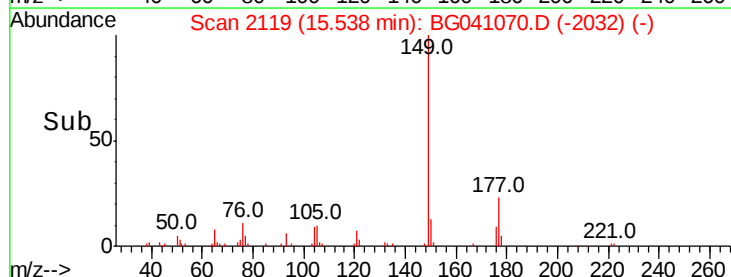
150 13.4 10.3 15.5

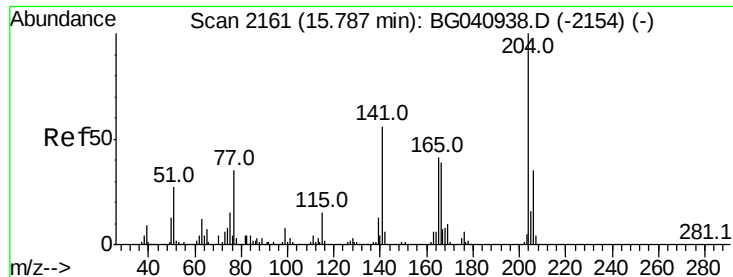


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 4.948 ng

RT: 15.77 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

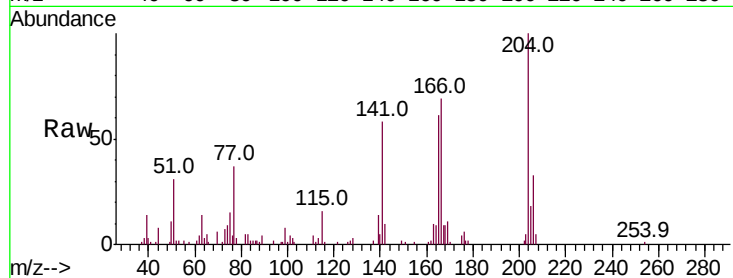
Tot Ion:204 Resp: 23238

Ion Ratio Lower Upper

204 100

206 33.4 27.6 41.4

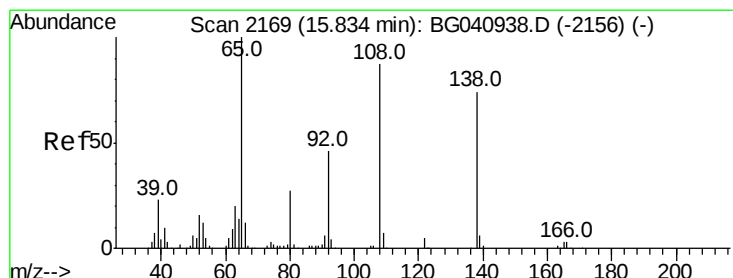
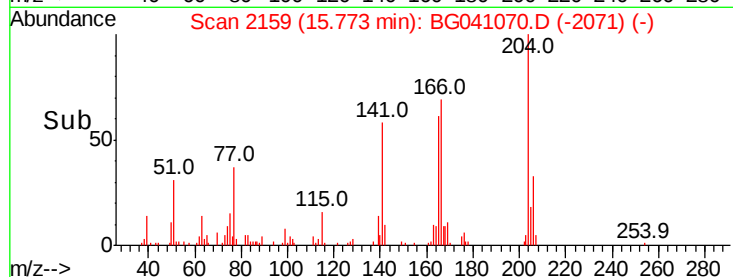
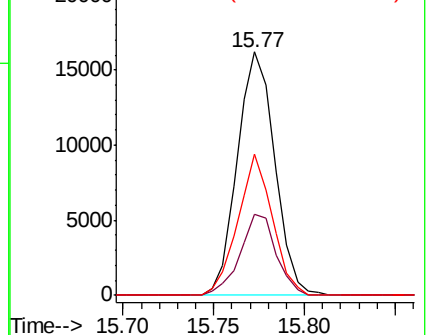
141 58.1 45.1 67.7



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 4.711 ng

RT: 15.81 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

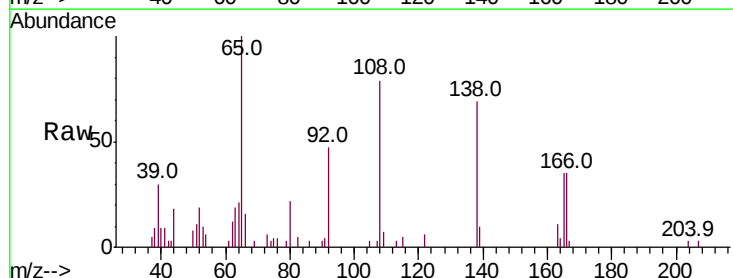
Tgt Ion:138 Resp: 8470

Ion Ratio Lower Upper

138 100

92 67.5 42.4 82.4

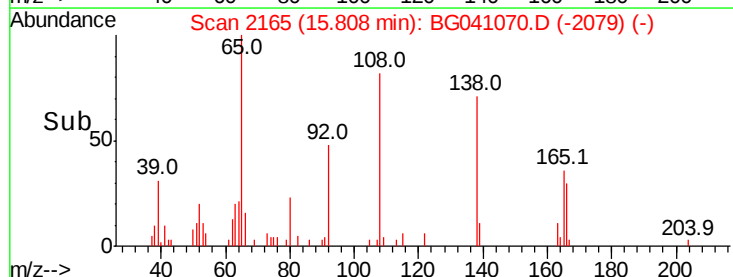
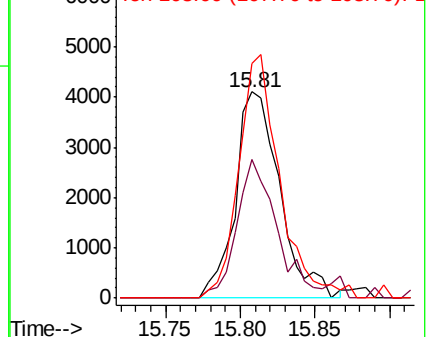
108 114.2 96.9 136.9

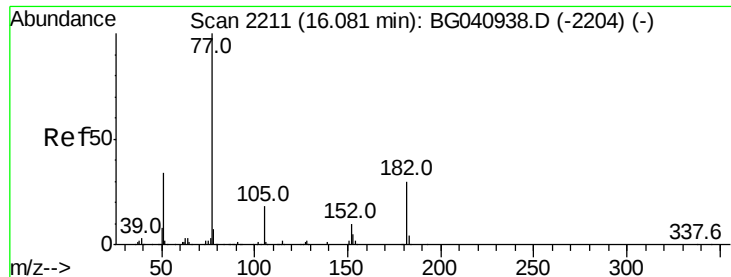


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 5.060 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 77 Resp: 36971

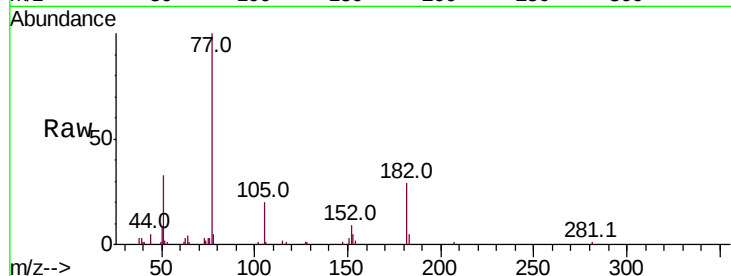
Ion Ratio Lower Upper

77 100

182 28.6 9.6 49.6

105 20.3 0.0 37.5

51 33.2 13.7 53.7

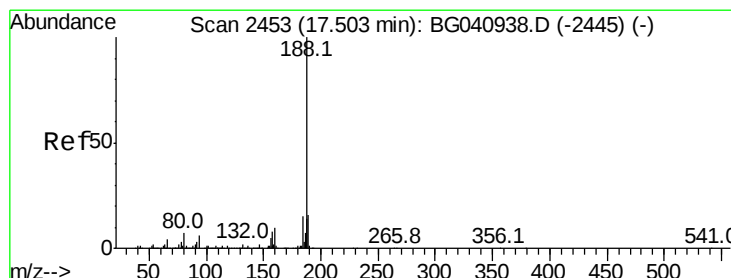
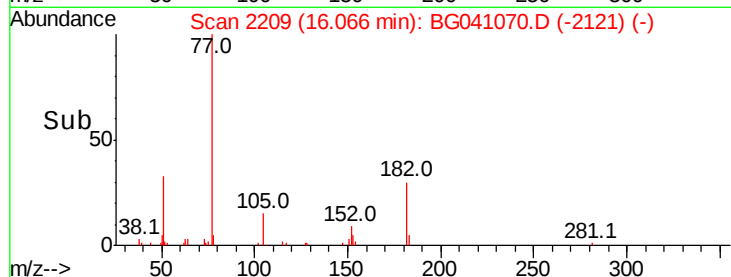
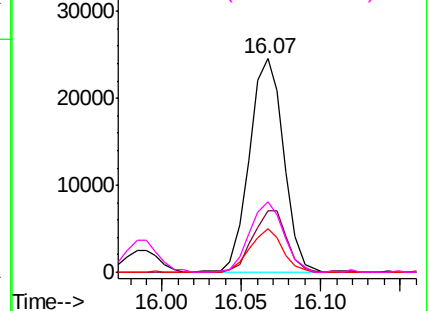


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

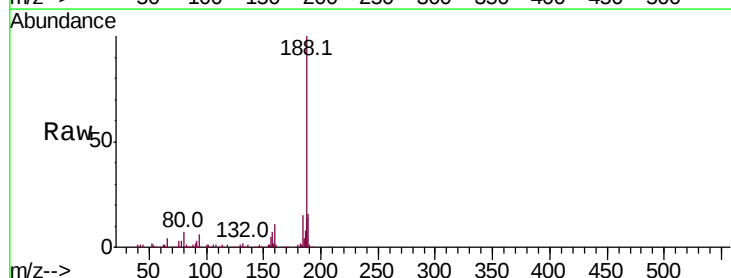
Tgt Ion: 188 Resp: 237668

Ion Ratio Lower Upper

188 100

94 5.7 4.7 7.1

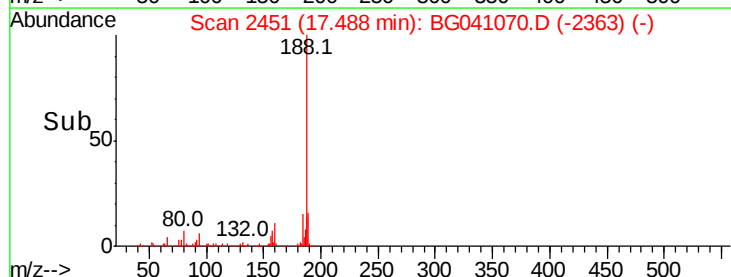
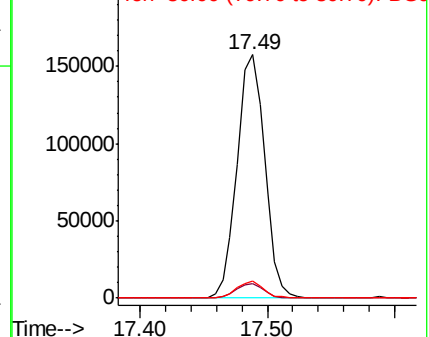
80 7.0 5.8 8.8

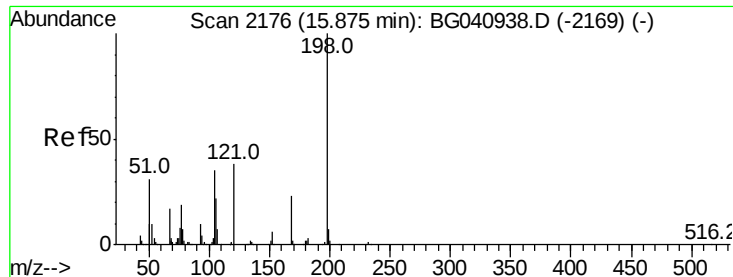


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 10.482 ng

RT: 15.87 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

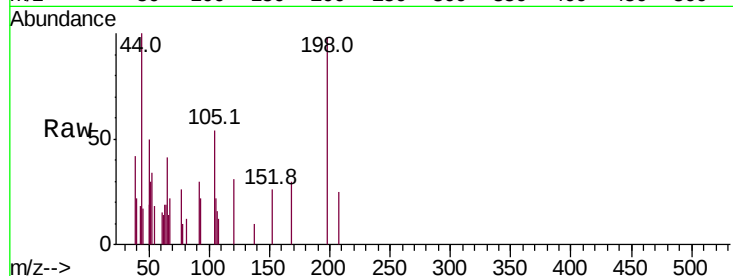
Tot Ion:198 Resp: 2936

Ion Ratio Lower Upper

198 100

51 51.1 21.6 61.6

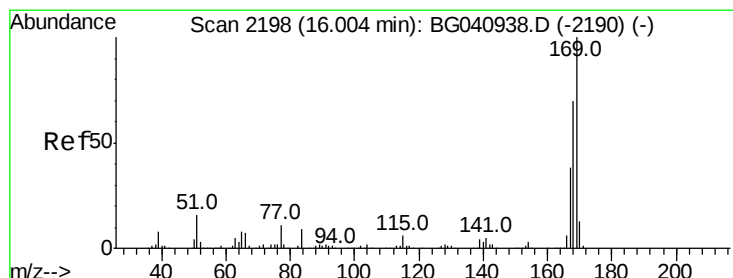
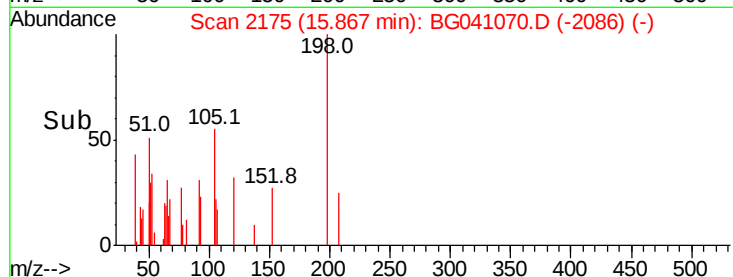
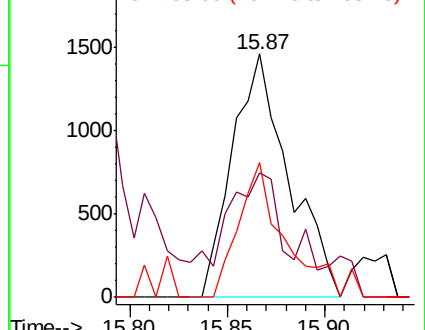
105 55.3 17.5 57.5



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: 5.109 ng

RT: 15.99 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

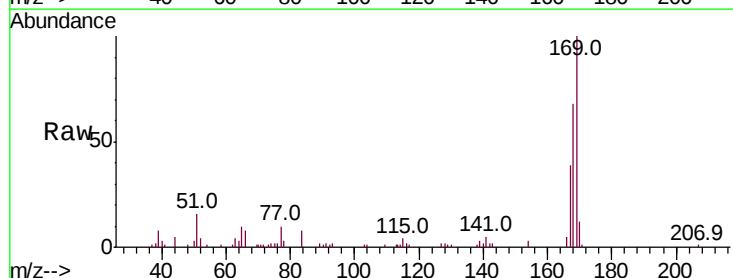
Tgt Ion:169 Resp: 34135

Ion Ratio Lower Upper

169 100

168 67.5 55.7 83.5

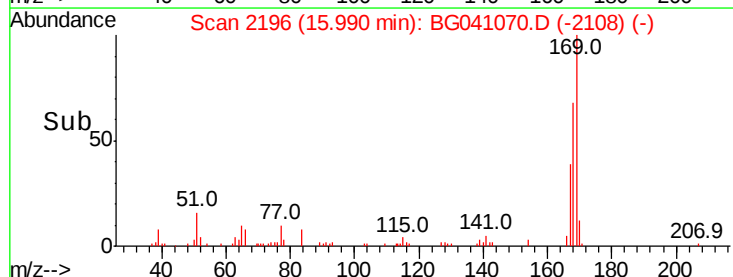
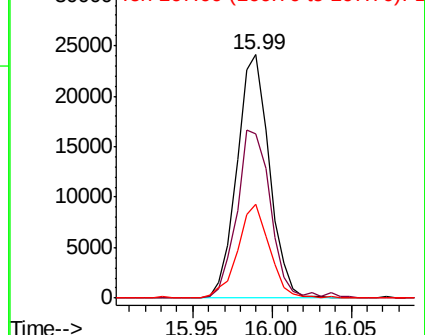
167 38.7 30.2 45.2

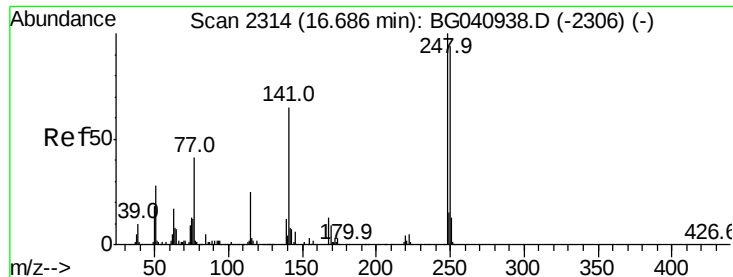


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

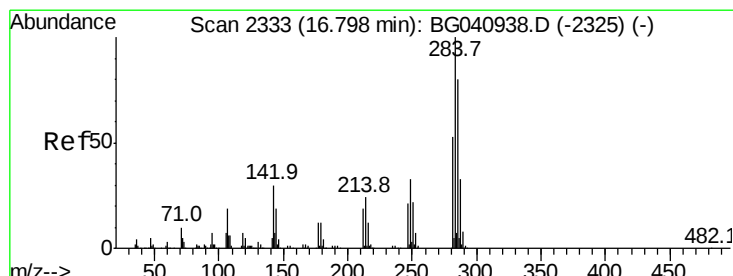
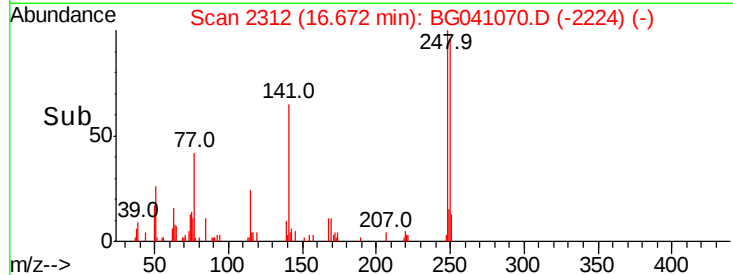
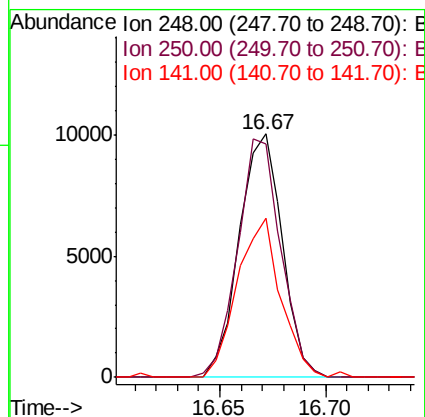
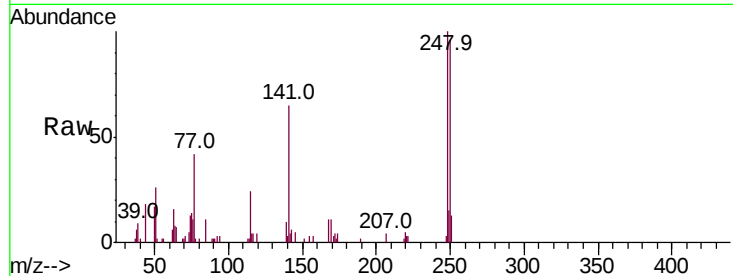




#67
4-Bromophenyl-phenylether
Concen: 4.408 ng
RT: 16.67 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

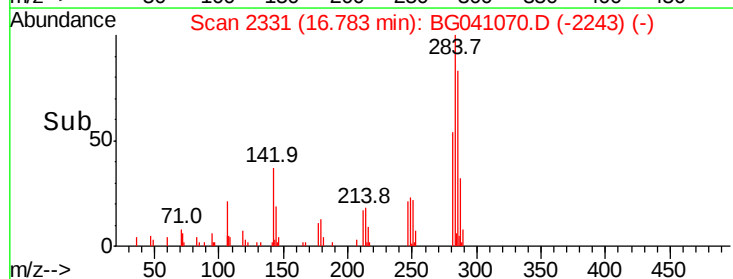
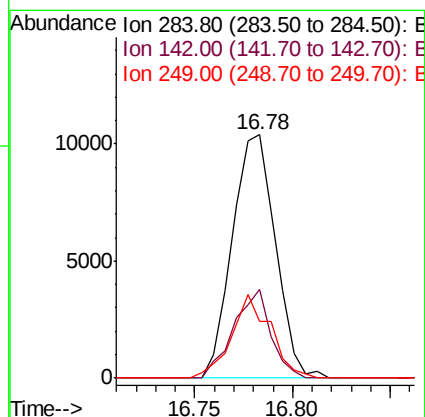
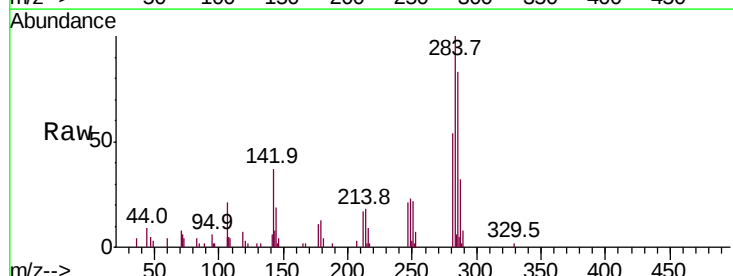
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

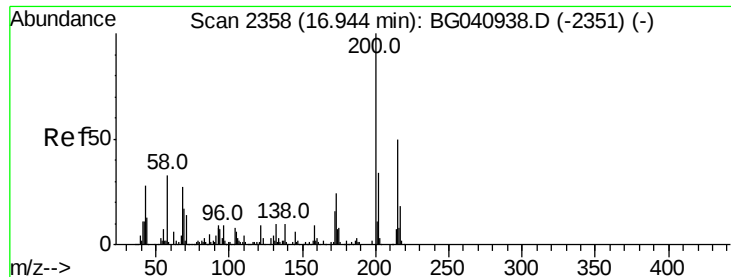
Tot Ion:248 Resp: 14139
Ion Ratio Lower Upper
248 100
250 95.9 75.0 112.4
141 65.3 52.4 78.6



#68
Hexachlorobenzene
Concen: 4.652 ng
RT: 16.78 min Scan# 2331
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion:284 Resp: 15890
Ion Ratio Lower Upper
284 100
142 36.5 23.9 35.9#
249 23.3 26.8 40.2#





#69

Atrazine

Concen: 5.485 ng

RT: 16.92 min Scan# 2355

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

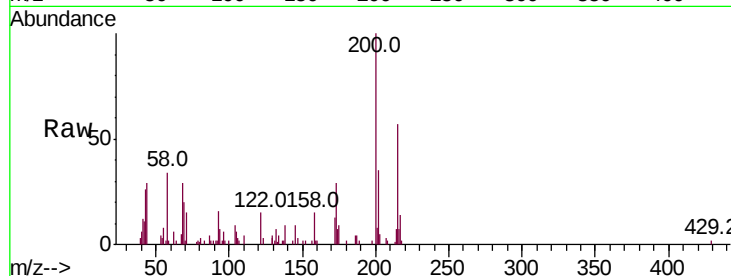
Tot Ion:200 Resp: 14141

Ion Ratio Lower Upper

200 100

173 28.6 3.6 43.6

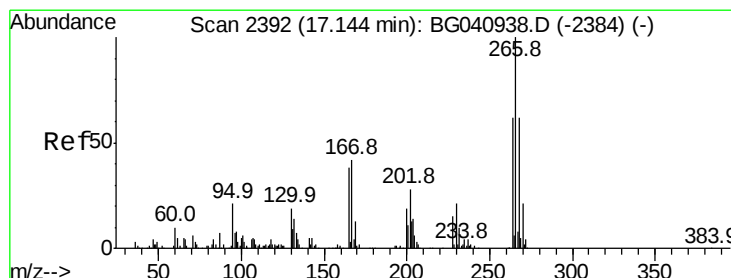
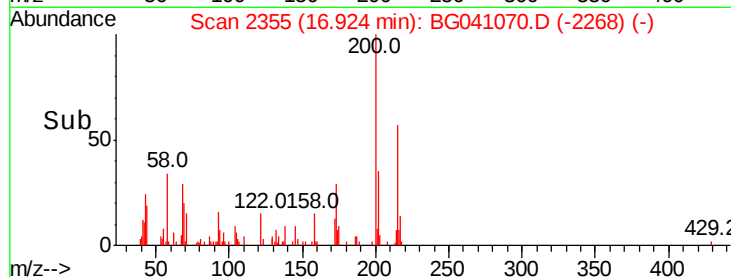
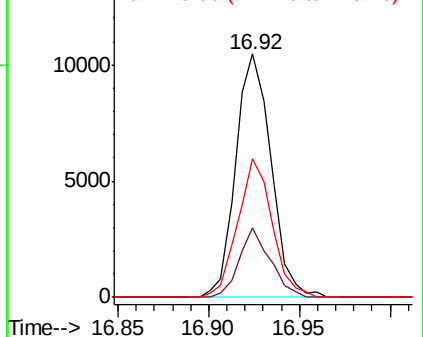
215 56.9 29.6 69.6



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: 6.977 ng

RT: 17.14 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

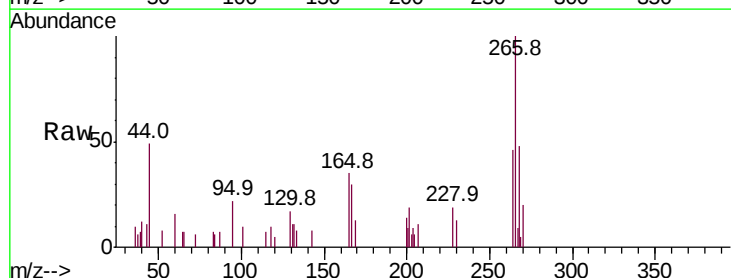
Tgt Ion:266 Resp: 5258

Ion Ratio Lower Upper

266 100

268 53.8 53.1 79.7

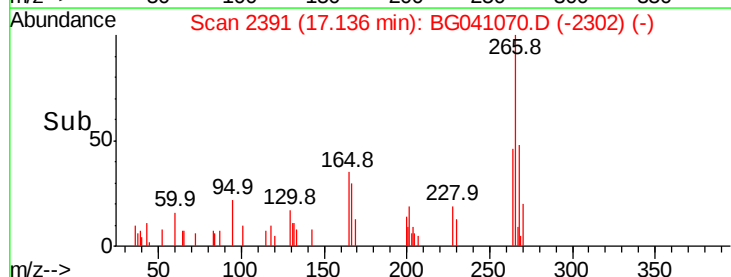
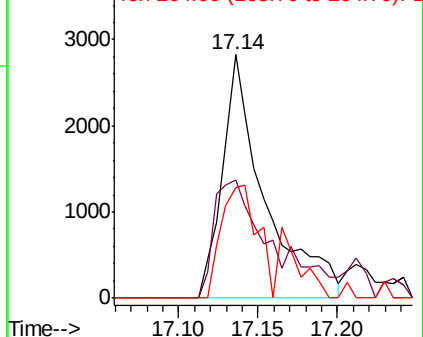
264 45.6 49.9 74.9#

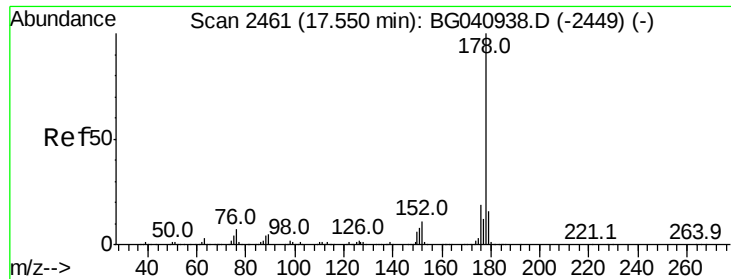


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

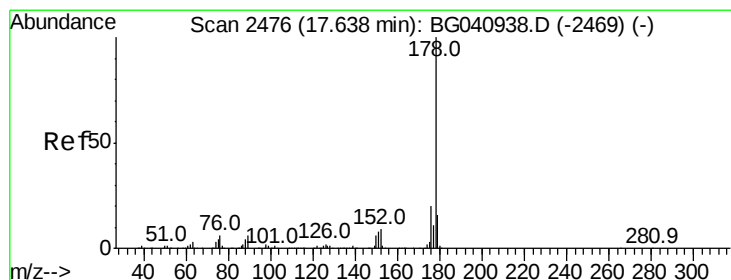
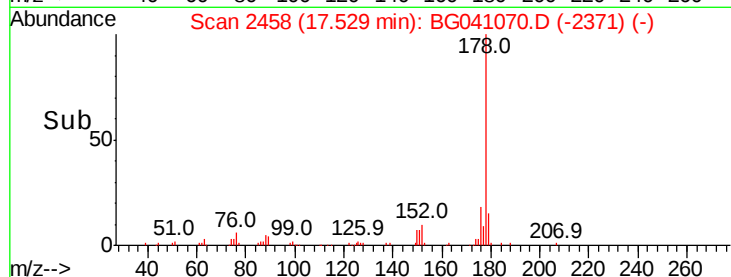
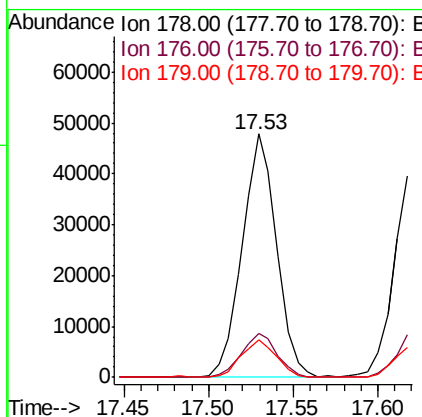
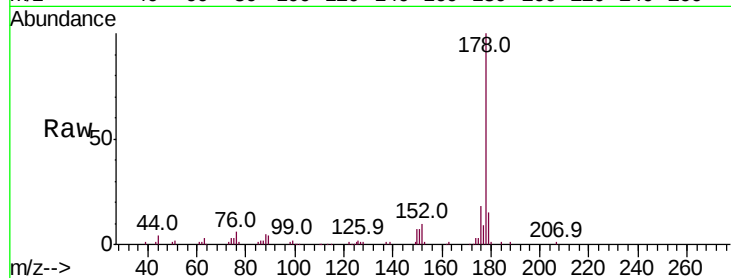




#71
 Phenanthrene
 Concen: 5.475 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.02 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

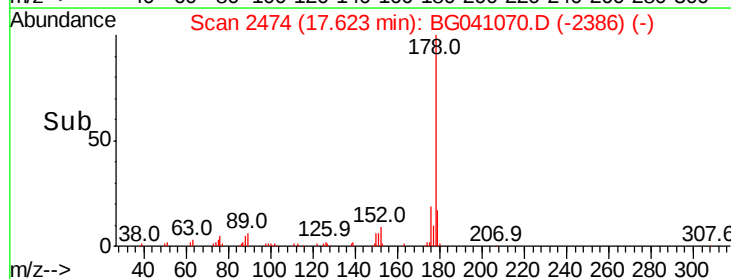
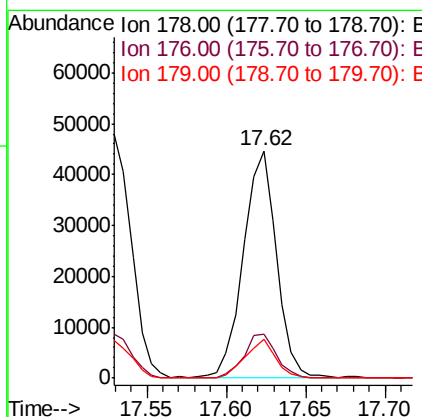
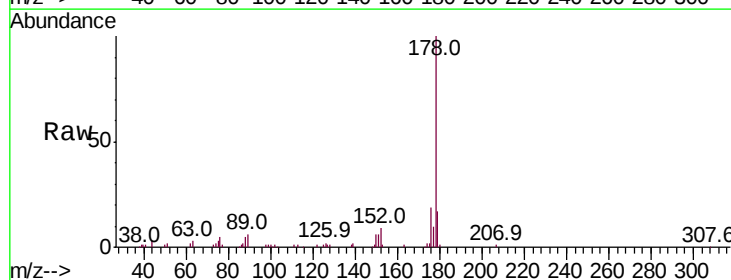
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

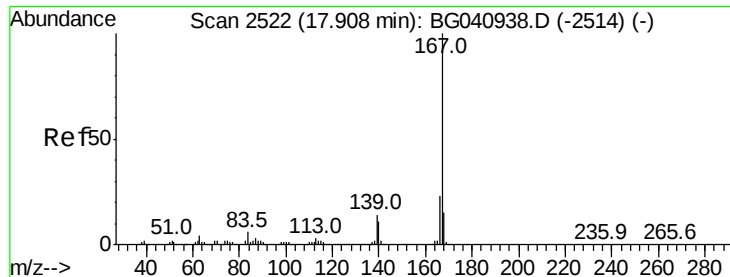
Tot Ion:178 Resp: 67782
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.5 23.3
 179 15.2 12.7 19.1



#72
 Anthracene
 Concen: 5.273 ng
 RT: 17.62 min Scan# 2474
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion:178 Resp: 64377
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 17.0 13.0 19.4

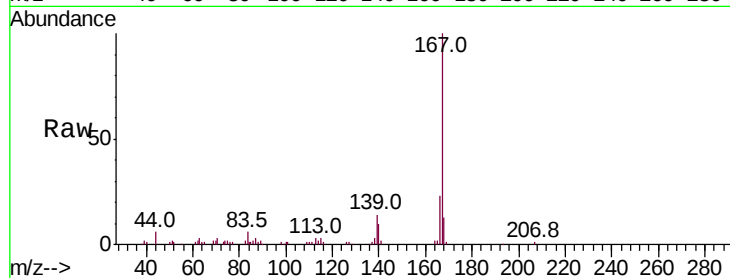




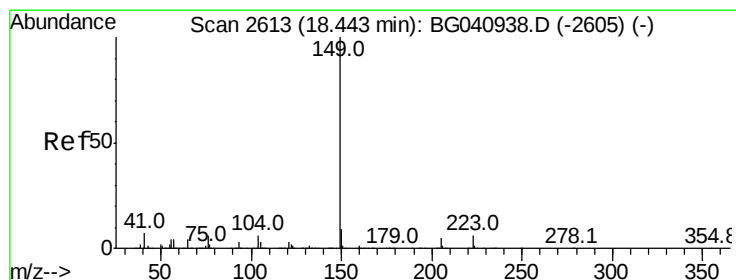
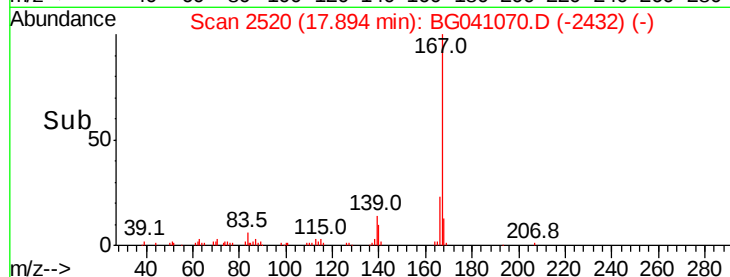
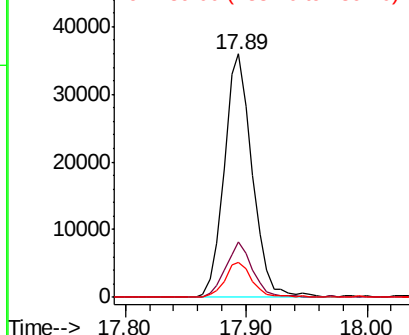
#73
 Carbazole
 Concen: 5.516 ng
 RT: 17.89 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion:167 Resp: 57790
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.2 27.4
 139 14.5 10.8 16.2

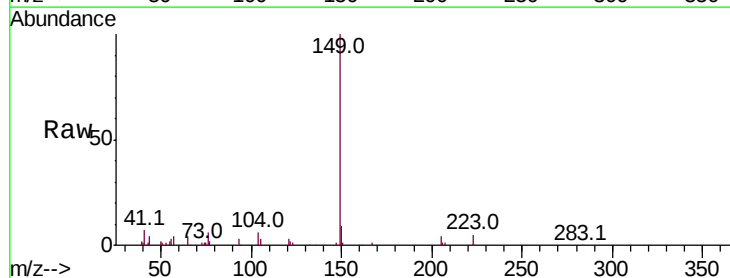


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

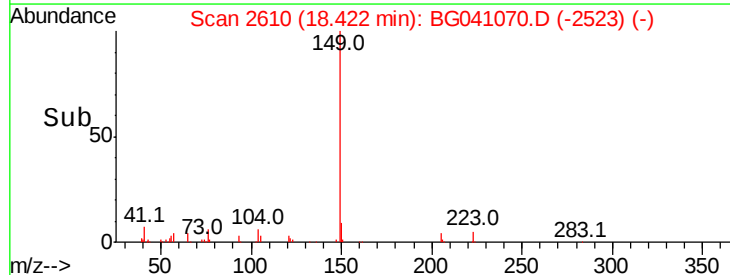
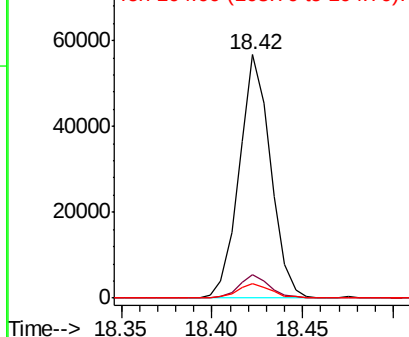


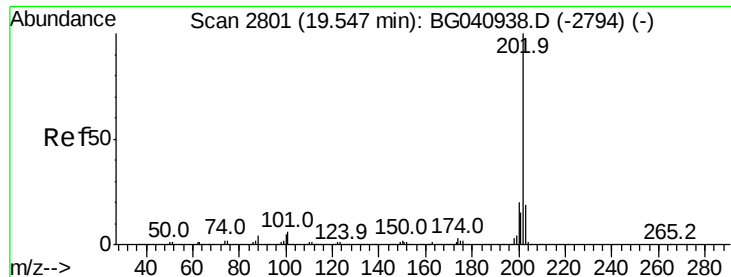
#74
 Di-n-butylphthalate
 Concen: 5.221 ng
 RT: 18.42 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion:149 Resp: 67986
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 5.8 5.0 7.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.755 ng

RT: 19.53 min Scan# 2799

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

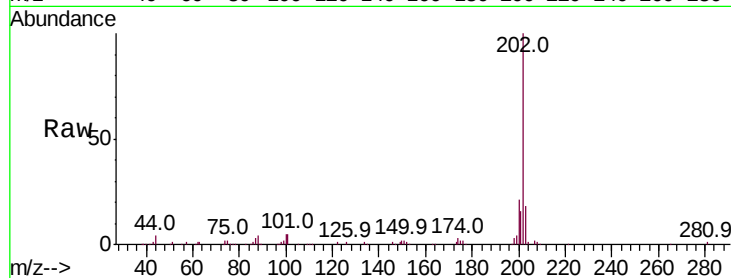
Tot Ion:202 Resp: 87995

Ion Ratio Lower Upper

202 100

101 5.2 0.0 26.2

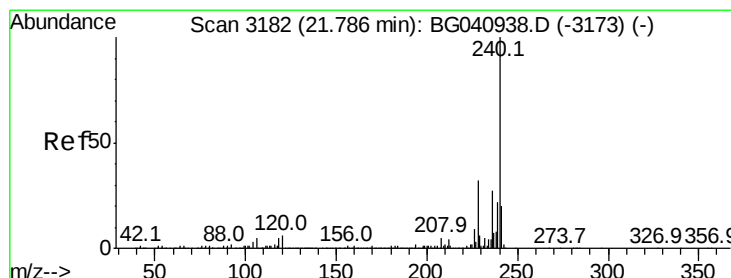
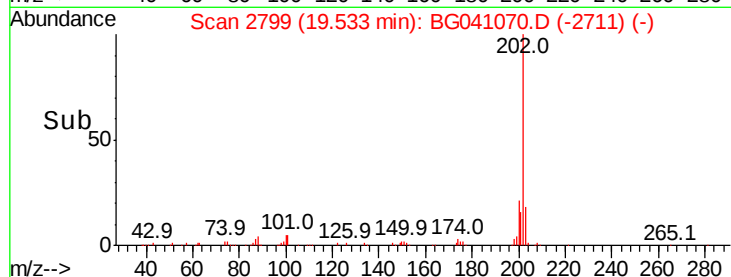
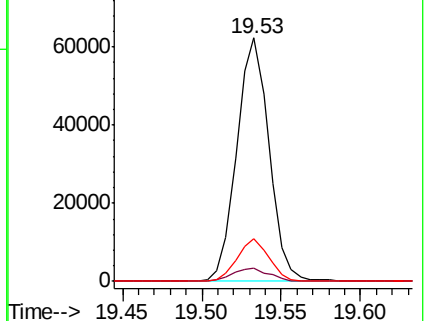
203 17.6 0.0 38.7



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: 21.77 min Scan# 3179

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

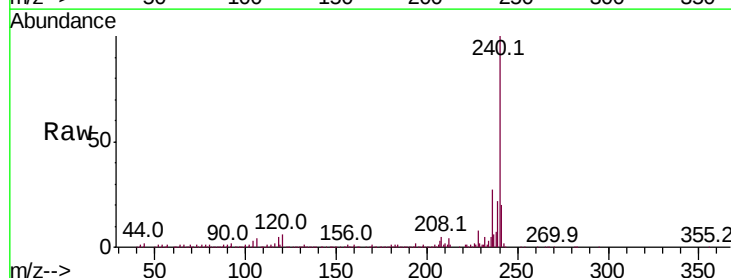
Tgt Ion:240 Resp: 271457

Ion Ratio Lower Upper

240 100

120 5.7 4.5 6.7

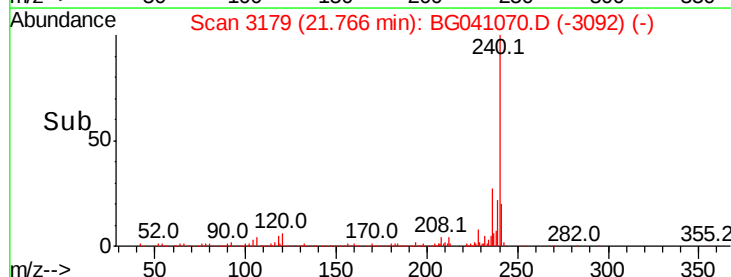
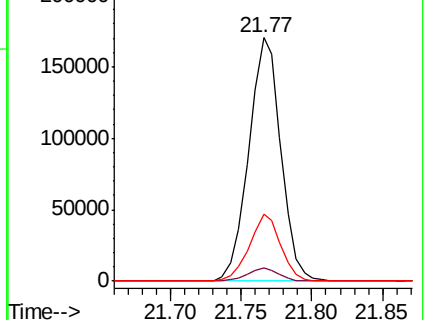
236 27.3 21.3 31.9

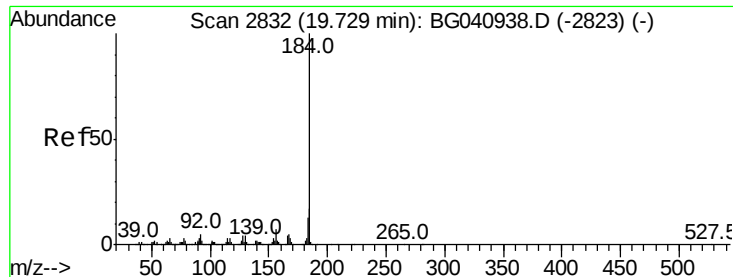


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 5.858 ng

RT: 19.72 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

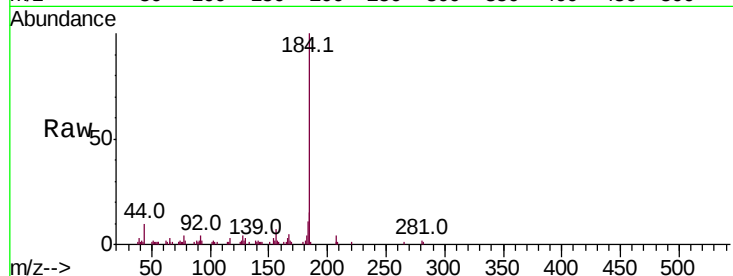
Tot Ion:184 Resp: 37932

Ion Ratio Lower Upper

184 100

185 15.3 13.3 19.9

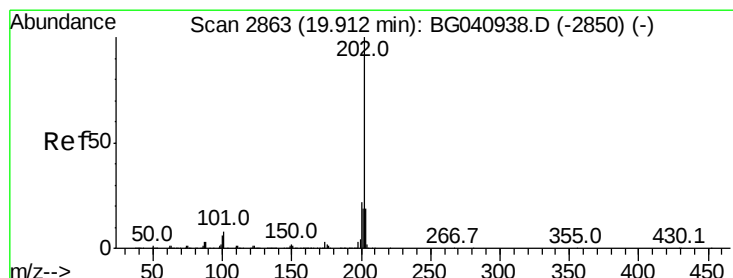
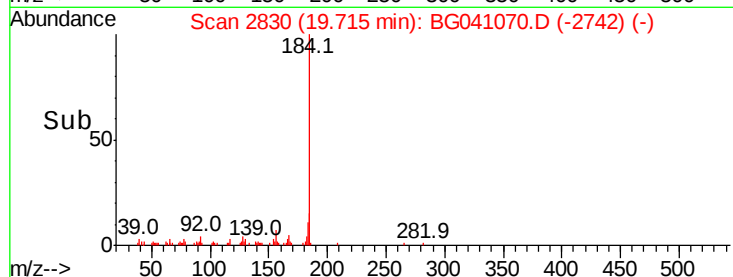
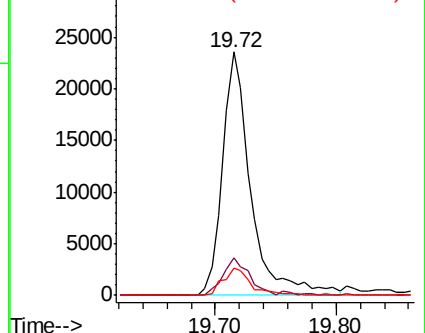
183 11.4 10.7 16.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.291 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

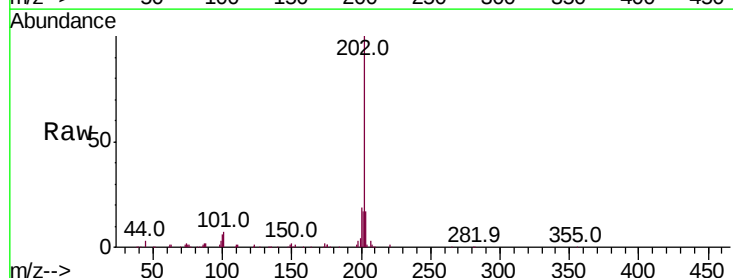
Tgt Ion:202 Resp: 93368

Ion Ratio Lower Upper

202 100

200 19.3 17.5 26.3

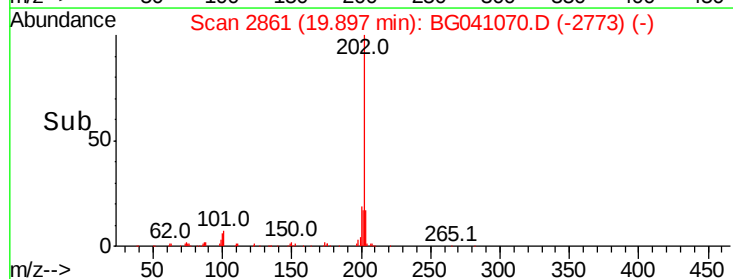
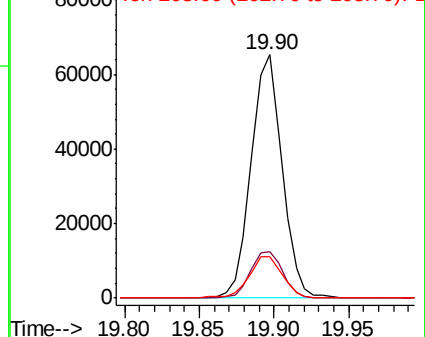
203 17.1 15.6 23.4

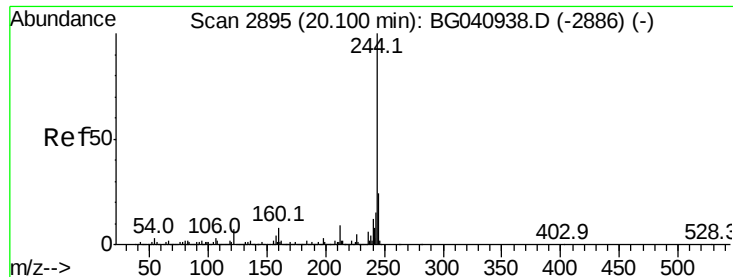


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.877 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

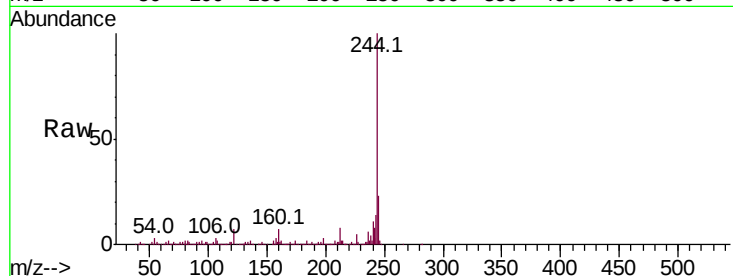
Tot Ion:244 Resp: 1175148

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.4

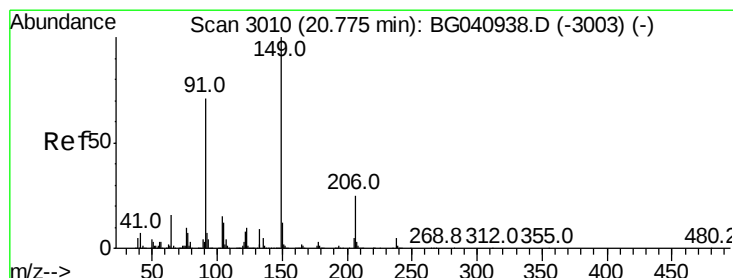
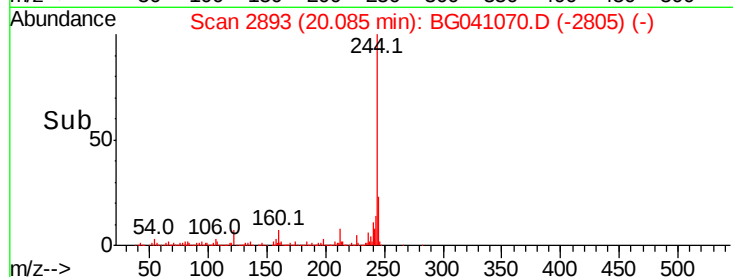
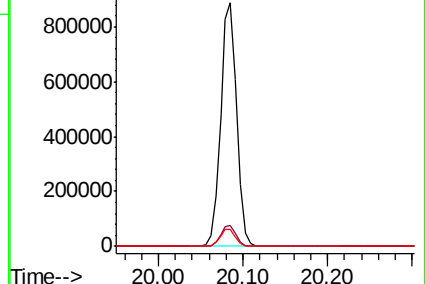
122 7.1 5.4 8.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 5.352 ng

RT: 20.76 min Scan# 3008

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

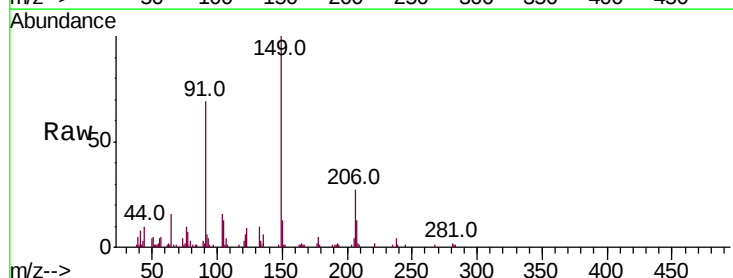
Tgt Ion:149 Resp: 36753

Ion Ratio Lower Upper

149 100

91 69.5 56.5 84.7

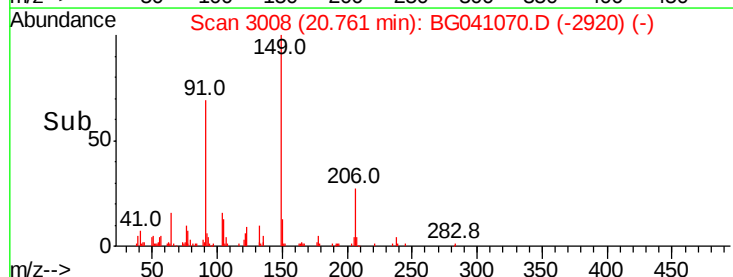
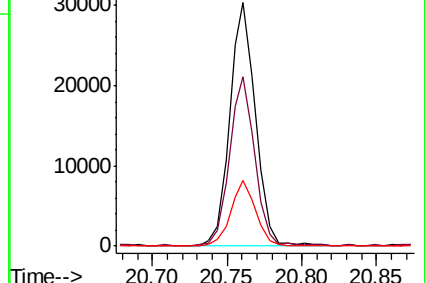
206 27.0 20.3 30.5

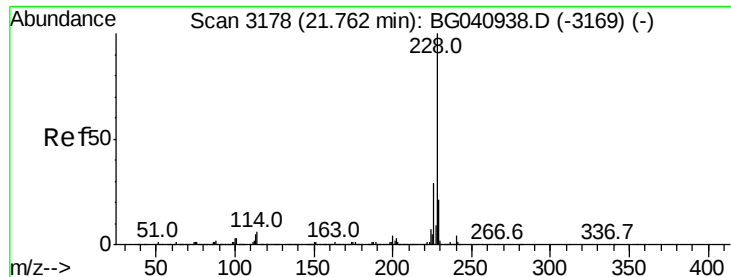


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.546 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

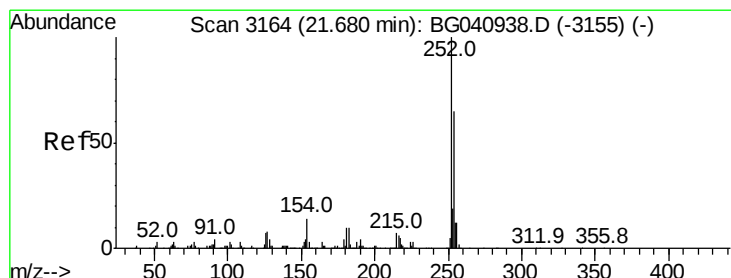
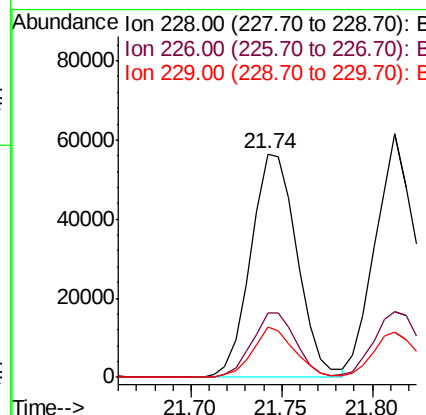
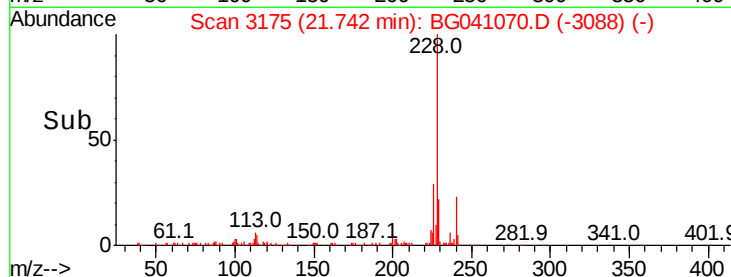
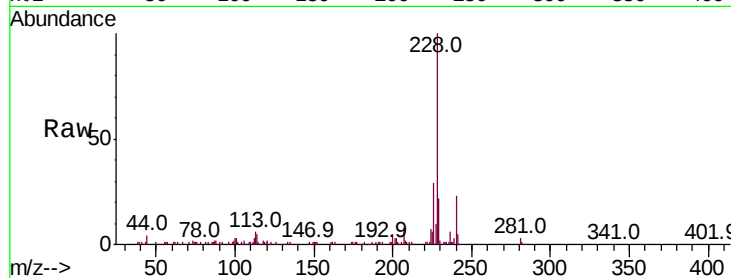
Tot Ion:228 Resp: 100212

Ion Ratio Lower Upper

228 100

226 28.7 23.5 35.3

229 22.3 16.7 25.1



#82

3,3'-Dichlorobenzidine

Concen: 5.690 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

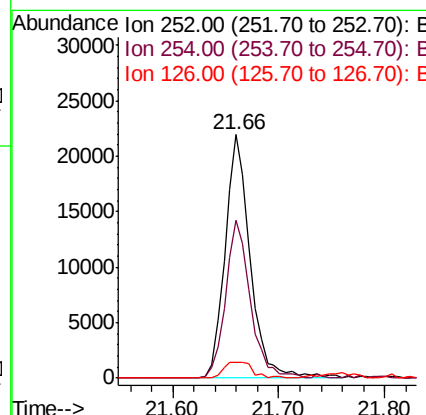
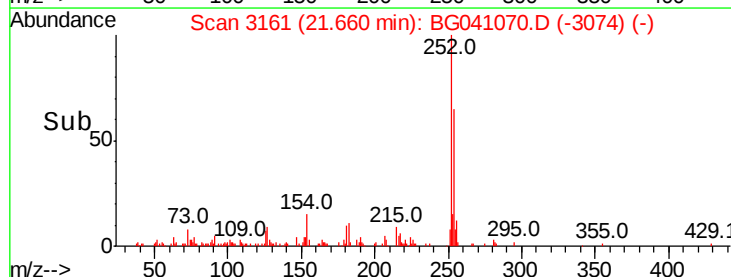
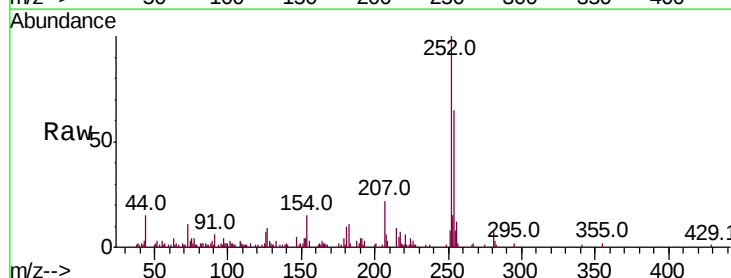
Tgt Ion:252 Resp: 36165

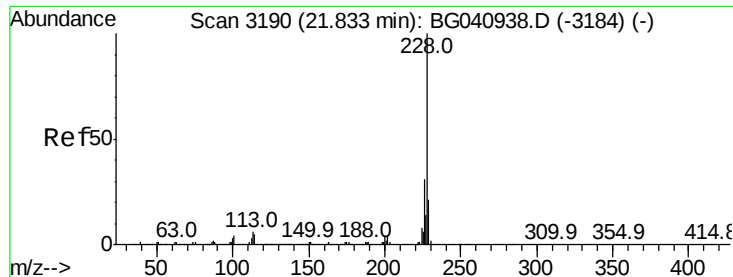
Ion Ratio Lower Upper

252 100

254 64.6 52.1 78.1

126 6.6 5.5 8.3





#83

Chrysene

Concen: 5.528 ng

RT: 21.81 min Scan# 3187

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

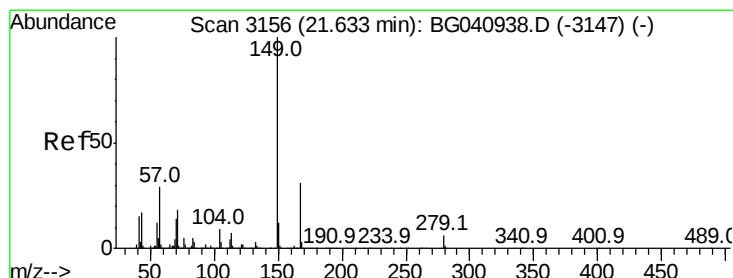
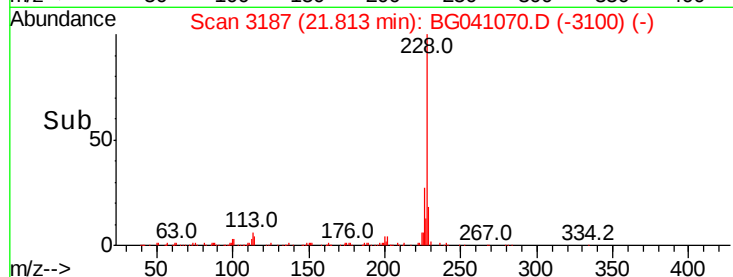
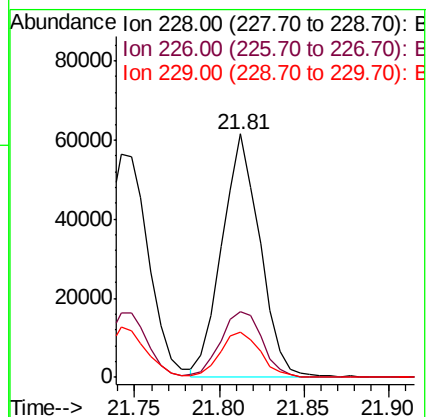
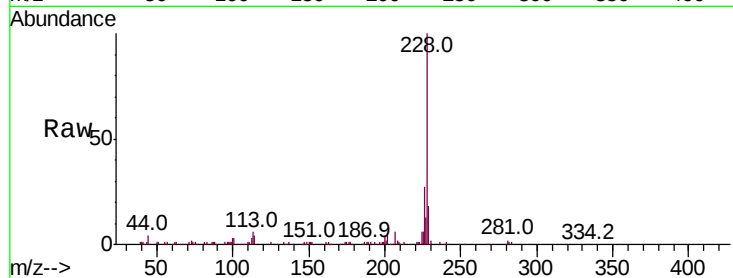
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:228 Resp: 95590

Ion	Ratio	Lower	Upper
228	100		
226	27.2	24.6	37.0
229	18.4	16.6	24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.532 ng

RT: 21.61 min Scan# 3153

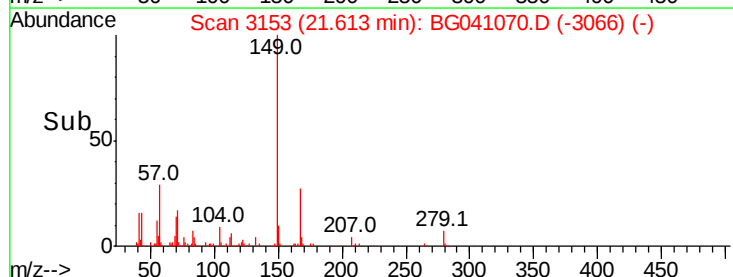
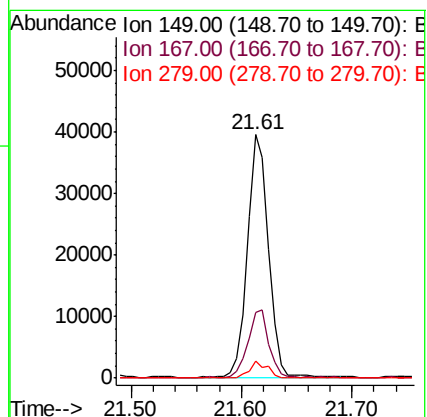
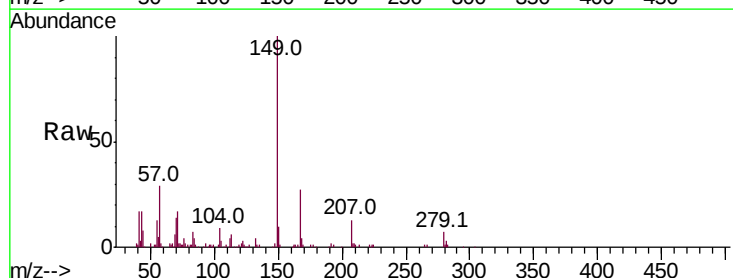
Delta R.T. -0.02 min

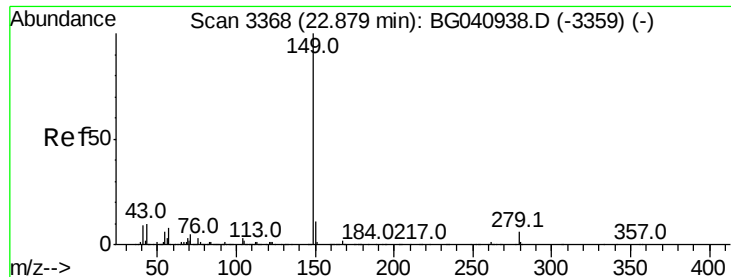
Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:149 Resp: 53478

Ion	Ratio	Lower	Upper
149	100		
167	26.9	24.6	37.0
279	7.2	5.0	7.6





#85

Di-n-octyl phthalate

Concen: 5.726 ng

RT: 22.86 min Scan# 3365

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

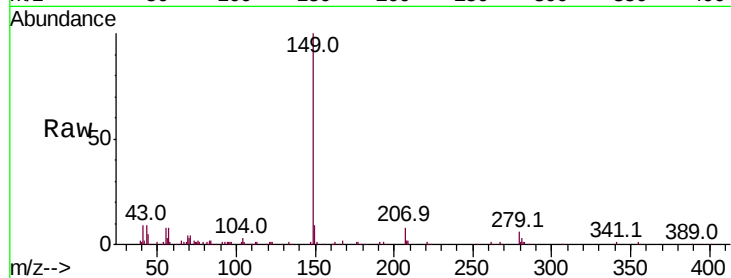
Tot Ion:149 Resp: 92195

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

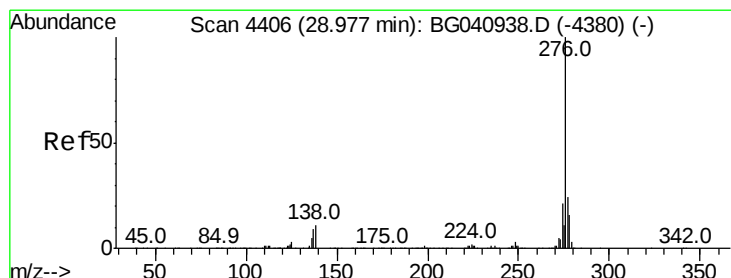
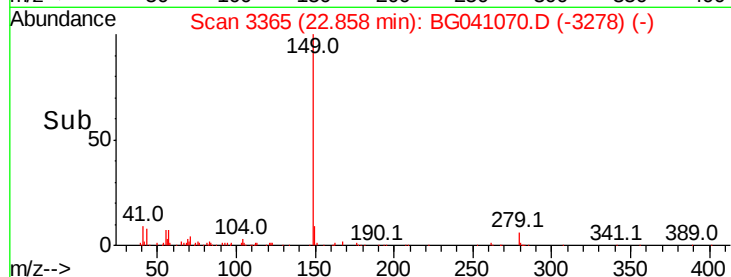
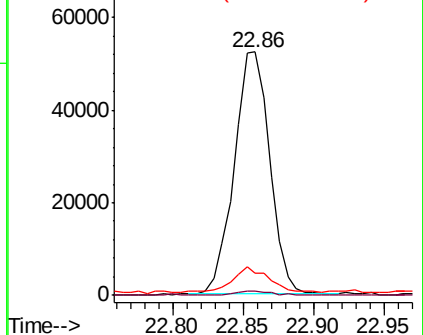
43 11.9 8.1 12.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.168 ng

RT: 28.92 min Scan# 4396

Delta R.T. -0.06 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

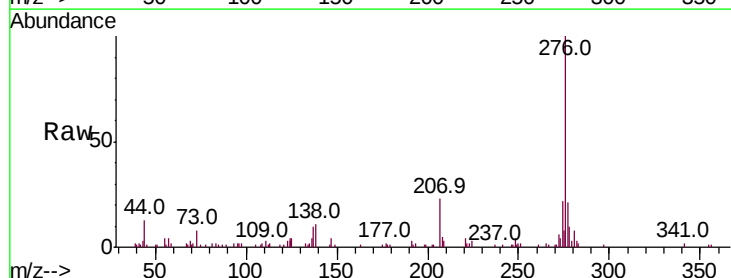
Tgt Ion:276 Resp: 109465

Ion Ratio Lower Upper

276 100

138 4.4 5.7 8.5#

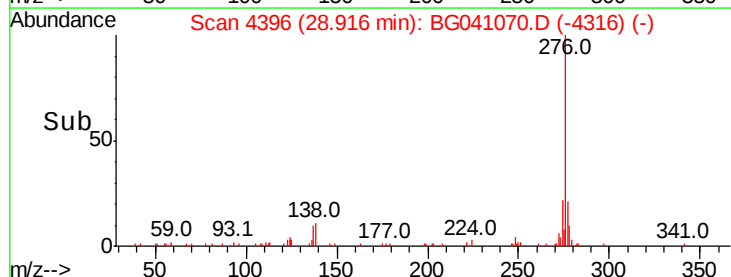
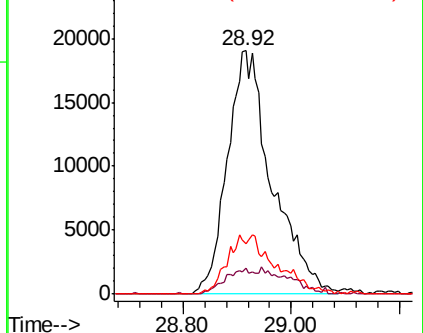
277 10.6 20.8 31.2#

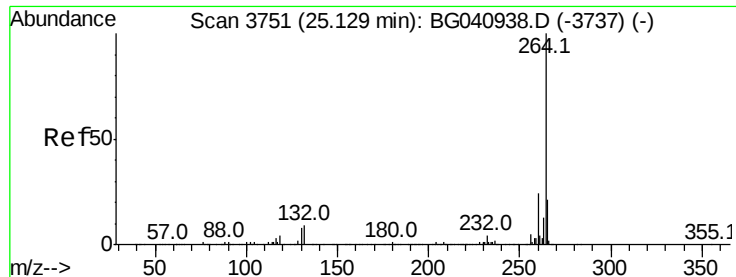


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.10 min Scan# 3746

Delta R.T. -0.03 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

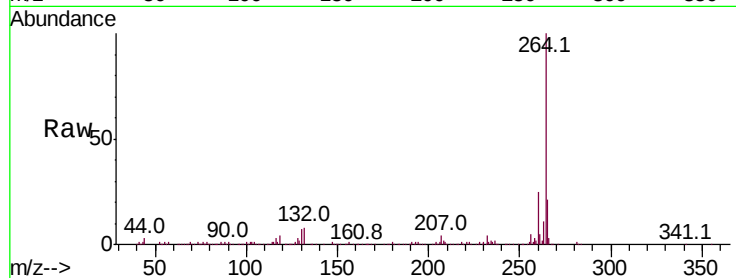
Tot Ion:264 Resp: 293826

Ion Ratio Lower Upper

264 100

260 24.8 19.0 28.4

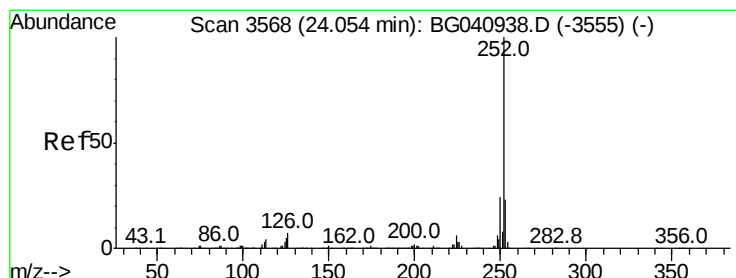
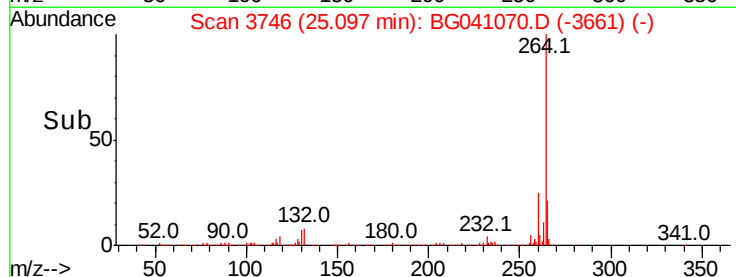
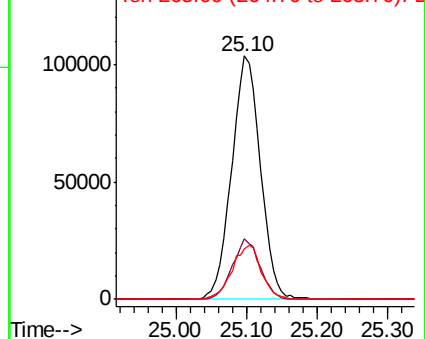
265 20.8 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.351 ng

RT: 24.03 min Scan# 3564

Delta R.T. -0.03 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

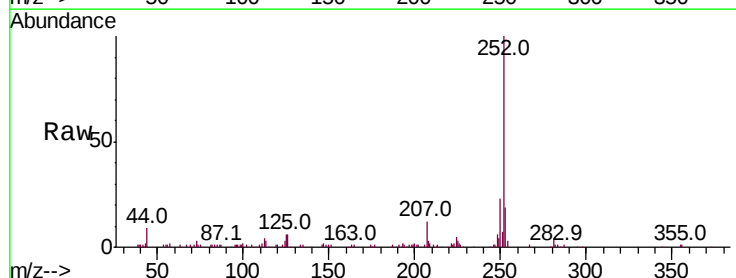
Tgt Ion:252 Resp: 95365

Ion Ratio Lower Upper

252 100

253 19.1 18.4 27.6

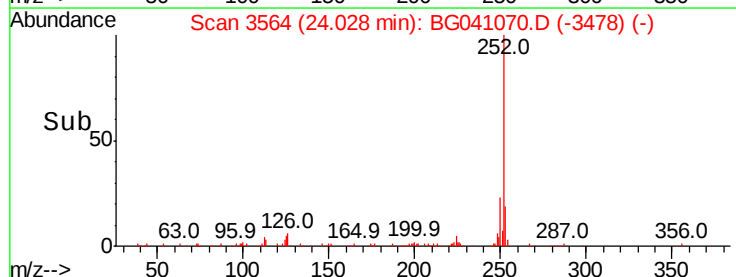
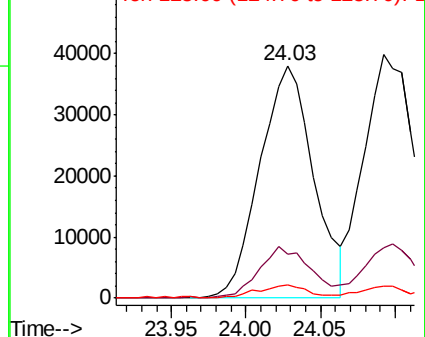
125 5.8 4.3 6.5

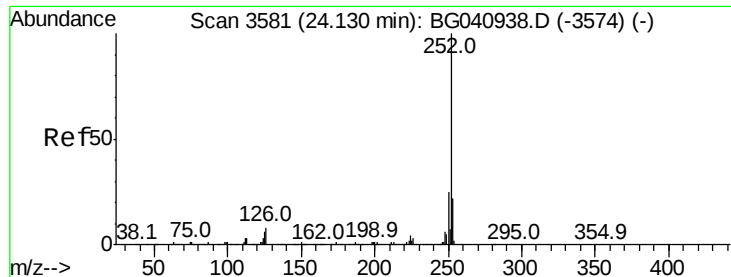


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.415 ng

RT: 24.09 min Scan# 3575

Delta R.T. -0.04 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

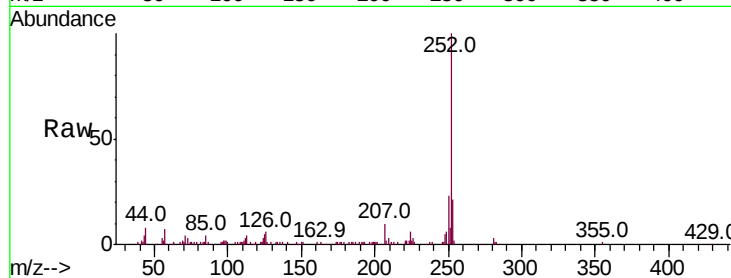
Tot Ion:252 Resp: 95498

Ion Ratio Lower Upper

252 100

253 20.7 17.8 26.6

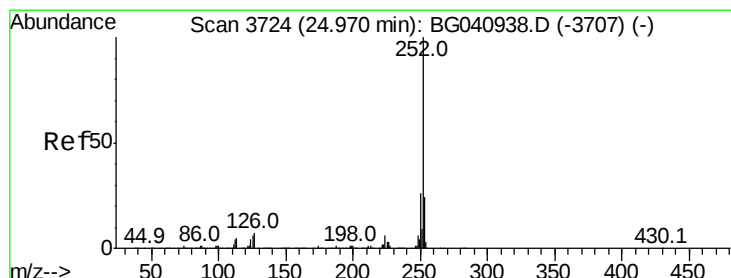
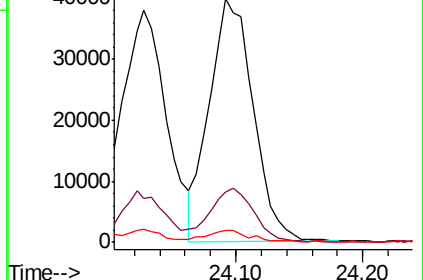
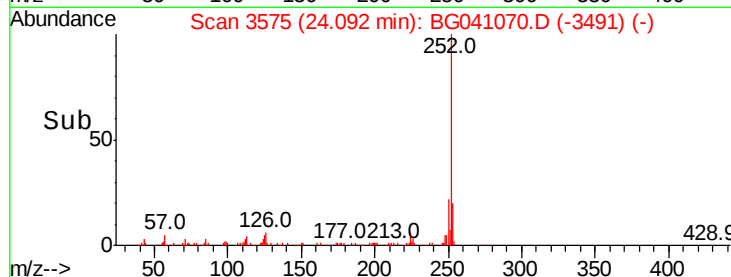
125 5.1 4.7 7.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 5.533 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.04 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

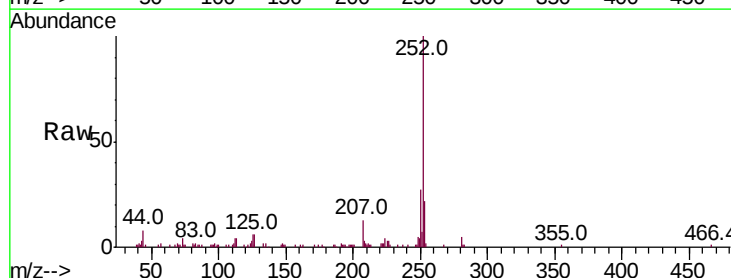
Tgt Ion:252 Resp: 94085

Ion Ratio Lower Upper

252 100

253 22.3 19.5 29.3

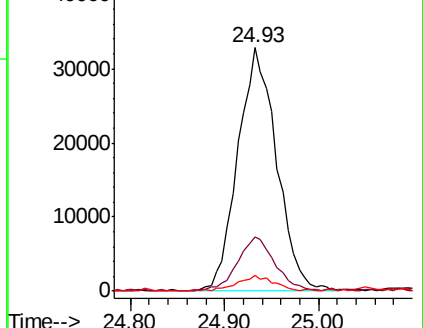
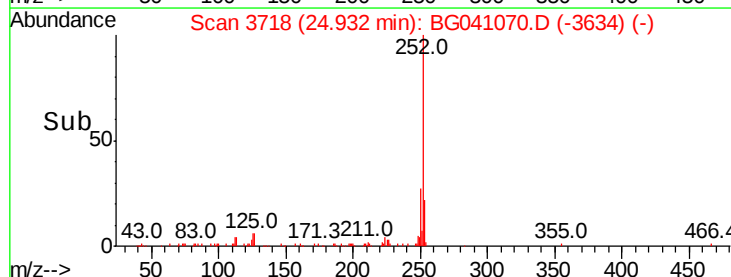
125 6.5 5.1 7.7

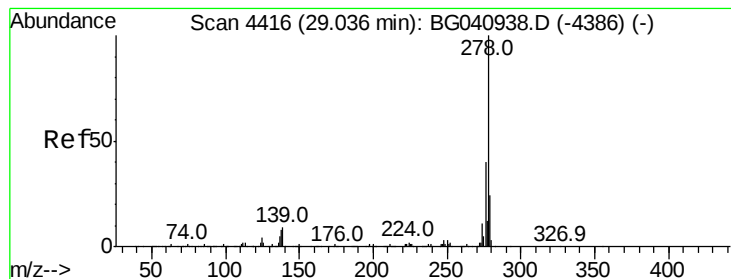


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 5.224 ng

RT: 28.98 min Scan# 4407

Delta R.T. -0.06 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

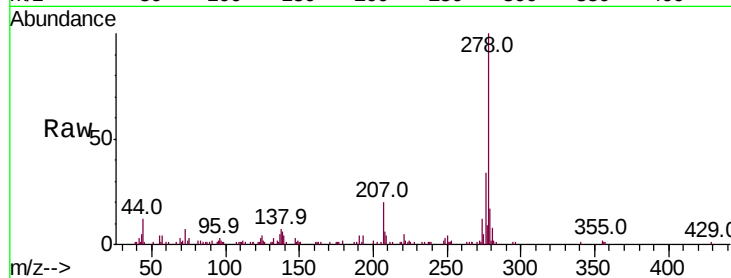
Tot Ion:278 Resp: 88759

Ion Ratio Lower Upper

278 100

139 10.3 7.1 10.7

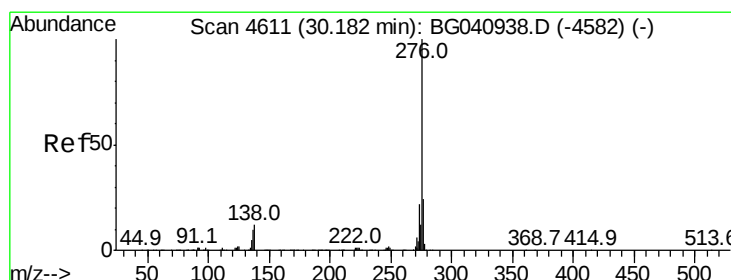
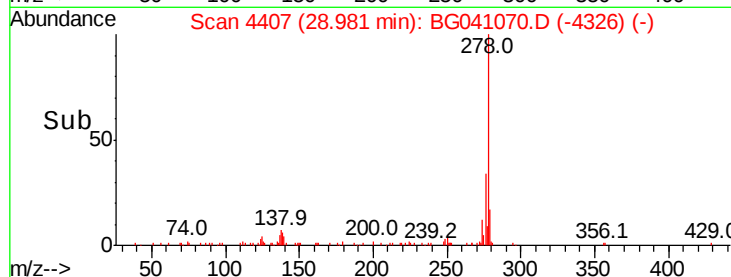
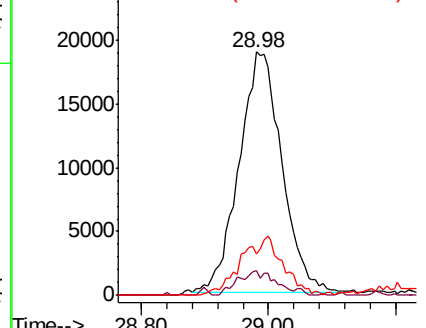
279 16.9 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.543 ng

RT: 30.11 min Scan# 4600

Delta R.T. -0.07 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

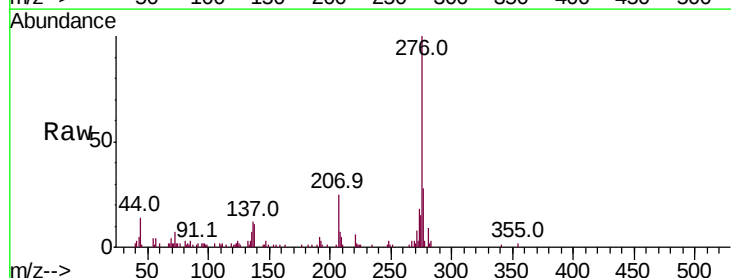
Tgt Ion:276 Resp: 91500

Ion Ratio Lower Upper

276 100

277 28.3 19.4 29.0

138 10.9 9.7 14.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

