

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
 Data File : BG041071.D
 Acq On : 5 Jun 2019 14:23
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 06 04:21:29 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	38521	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	144107	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	94286	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	246814	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	285941	20.00	ng	-0.03
87) Perylene-d12	25.10	264	303410	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	247869	116.03	ng	-0.01
7) Phenol-d6	7.25	99	337997	102.45	ng	-0.01
23) Nitrobenzene-d5	9.29	82	237697	73.23	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	173082	123.65	ng	-0.01
45) 2-Fluorobiphenyl	13.36	172	524789	80.16	ng	-0.02
79) Terphenyl-d14	20.08	244	1011720	75.09	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	8130	8.387	ng	97
3) Pyridine	3.93	79	18187	6.340	ng	92
4) n-Nitrosodimethylamine	3.85	42	9483	7.123	ng	# 73
6) Aniline	7.44	93	26617	6.044	ng	93
8) 2-Chlorophenol	7.66	128	16980	6.667	ng	96
9) Benzaldehyde	7.25	77	17937	9.114	ng	95
10) Phenol	7.28	94	22144	6.260	ng	99
11) bis(2-Chloroethyl)ether	7.52	93	16183	6.306	ng	93
12) 1,3-Dichlorobenzene	7.99	146	20624	6.780	ng	97
13) 1,4-Dichlorobenzene	8.15	146	20206	6.563	ng	94
14) 1,2-Dichlorobenzene	8.46	146	19216	6.428	ng	98
15) Benzyl Alcohol	8.35	79	17178	5.629	ng	# 85
16) 2,2'-oxybis(1-Chloropropan	8.64	45	26643	6.354	ng	97
17) 2-Methylphenol	8.55	107	15261	5.958	ng	92
18) Hexachloroethane	9.19	117	8237	6.941	ng	93
19) n-Nitroso-di-n-propylamine	8.91	70	15518	6.112	ng	95
20) 3+4-Methylphenols	8.87	107	19963	5.627	ng	93
22) Acetophenone	8.94	105	29770	7.364	ng	# 98
24) Nitrobenzene	9.33	77	25971	7.851	ng	96
25) Isophorone	9.84	82	42666	6.907	ng	97
26) 2-Nitrophenol	10.04	139	10064	7.380	ng	92
27) 2,4-Dimethylphenol	10.08	122	15179	6.739	ng	95
28) bis(2-Chloroethoxy)methane	10.33	93	22179	6.652	ng	98
29) 2,4-Dichlorophenol	10.58	162	18632	6.514	ng	94
30) 1,2,4-Trichlorobenzene	10.79	180	22386	6.880	ng	98
31) Naphthalene	10.98	128	57615	7.446	ng	97
32) Benzoic acid	10.18	122	1457	8.821	ng	99
33) 4-Chloroaniline	11.10	127	23110	6.437	ng	96
34) Hexachlorobutadiene	11.24	225	17637	7.084	ng	95
35) Caprolactam	11.85	113	6108	6.467	ng	# 87
36) 4-Chloro-3-methylphenol	12.19	107	20869	6.389	ng	96
37) 2-Methylnaphthalene	12.58	142	39672	6.657	ng	99
38) 1-Methylnaphthalene	12.58	142	39672	7.065	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	29487	7.759	ng	98

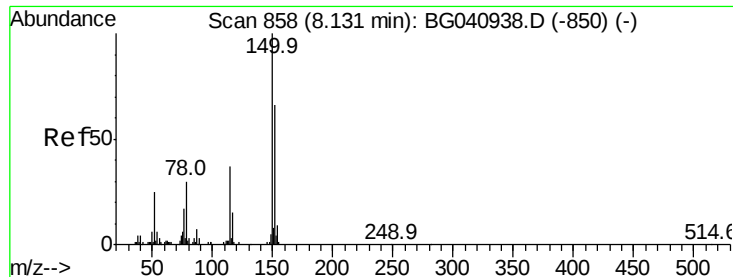
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	11307	13.201	ng	96
43) 2,4,6-Trichlorophenol	13.18	196	17700	7.200	ng	# 95
44) 2,4,5-Trichlorophenol	13.26	196	19340	7.459	ng	# 81
46) 1,1'-Biphenyl	13.58	154	54552	7.816	ng	95
47) 2-Chloronaphthalene	13.63	162	44151	7.369	ng	96
48) 2-Nitroaniline	13.83	65	15465	7.195	ng	99
49) Acenaphthylene	14.47	152	71575	7.937	ng	97
50) Dimethylphthalate	14.19	163	57302	7.179	ng	100
51) 2,6-Dinitrotoluene	14.32	165	12359	7.182	ng	93
52) Acenaphthene	14.80	154	39167	7.170	ng	97
53) 3-Nitroaniline	14.66	138	12305	7.151	ng	# 94
54) 2,4-Dinitrophenol	14.88	184	983	9.632	ng	# 39
55) Dibenzofuran	15.14	168	71965	7.829	ng	95
56) 4-Nitrophenol	14.96	139	6865	5.816	ng	94
57) 2,4-Dinitrotoluene	15.10	165	17721	7.290	ng	94
58) Fluorene	15.78	166	55953	7.643	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.36	232	19286	7.569	ng	97
60) Diethylphthalate	15.54	149	58886	7.230	ng	94
61) 4-Chlorophenyl-phenylether	15.77	204	34383	7.226	ng	93
62) 4-Nitroaniline	15.81	138	13233	7.264	ng	98
63) Azobenzene	16.07	77	56189	7.590	ng	96
65) 4,6-Dinitro-2-methylphenol	15.86	198	5783	12.180	ng	92
66) n-Nitrosodiphenylamine	15.99	169	50322	7.253	ng	95
67) 4-Bromophenyl-phenylether	16.67	248	22267	6.685	ng	96
68) Hexachlorobenzene	16.78	284	23172	6.533	ng	99
69) Atrazine	16.92	200	20499	7.657	ng	92
70) Pentachlorophenol	17.14	266	7681	8.083	ng	96
71) Phenanthrene	17.53	178	99102	7.709	ng	99
72) Anthracene	17.62	178	99687	7.862	ng	96
73) Carbazole	17.89	167	87973	8.086	ng	97
74) Di-n-butylphthalate	18.42	149	99059	7.326	ng	100
75) Fluoranthene	19.53	202	135303	8.521	ng	98
77) Benzidine	19.72	184	59416	8.710	ng	96
78) Pyrene	19.89	202	137960	7.422	ng	98
80) Butylbenzylphthalate	20.76	149	50668	7.004	ng	97
81) Benzo(a)anthracene	21.74	228	147370	7.742	ng	93
82) 3,3'-Dichlorobenzidine	21.66	252	53119	7.934	ng	95
83) Chrysene	21.81	228	135756	7.453	ng	96
84) Bis(2-ethylhexyl)phthalate	21.61	149	70425	6.916	ng	99
85) Di-n-octyl phthalate	22.85	149	123224	7.266	ng	99
86) Indeno(1,2,3-cd)pyrene	28.92	276	156631	7.020	ng	# 87
88) Benzo(b)fluoranthene	24.02	252	134403	7.303	ng	96
89) Benzo(k)fluoranthene	24.09	252	136795	7.512	ng	97
90) Benzo(a)pyrene	24.94	252	132835	7.566	ng	93
91) Dibenzo(a,h)anthracene	28.97	278	130639	7.446	ng	98
92) Benzo(g,h,i)perylene	30.12	276	130361	7.648	ng	97

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

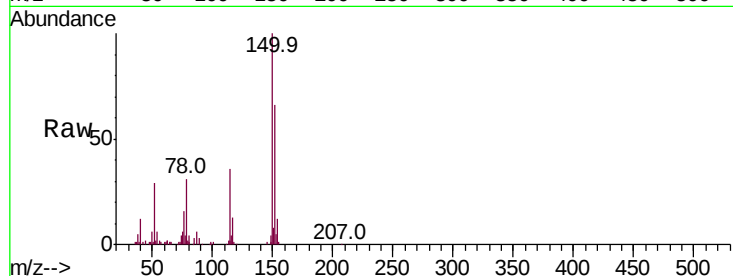


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	120.6	180.8
115	54.6	45.1	67.7

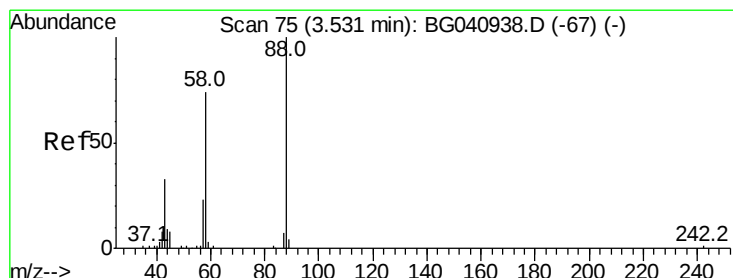
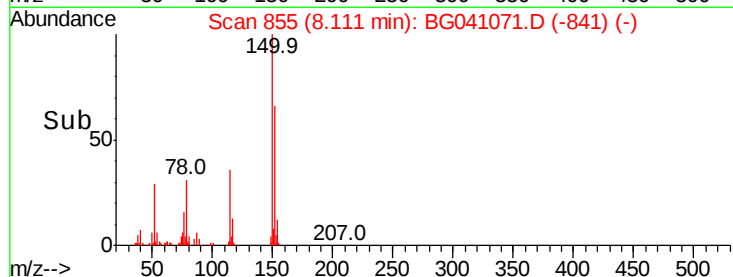
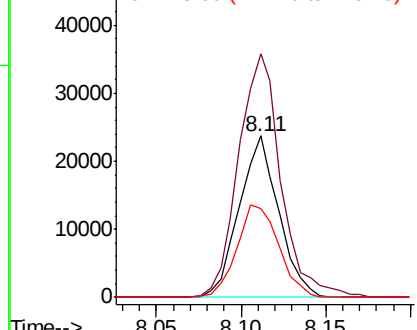


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

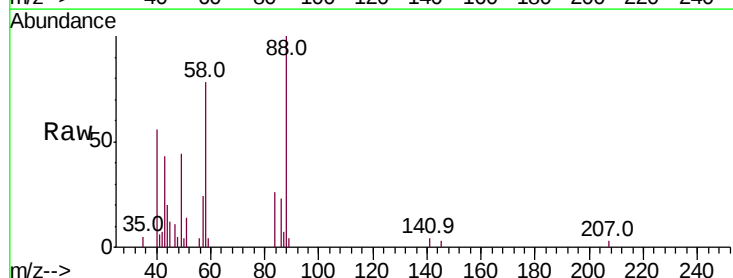
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 8.387 ng
RT: 3.51 min Scan# 72
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.2	59.0	88.6
43	36.8	27.2	40.8

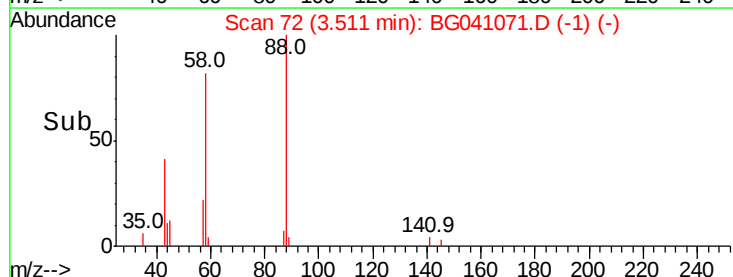
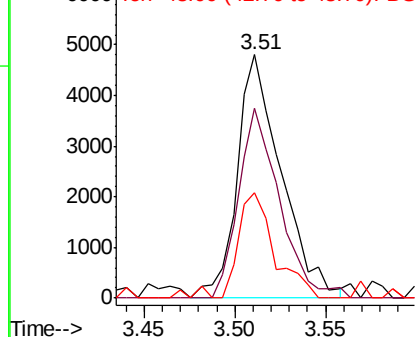


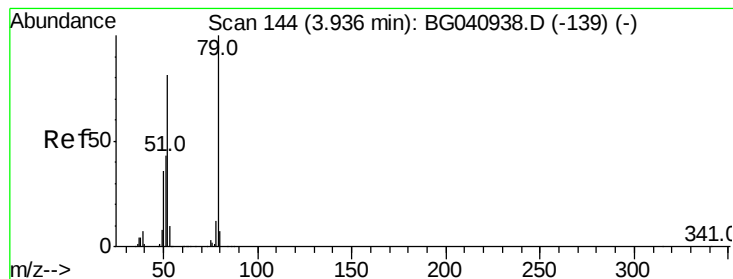
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 6.340 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

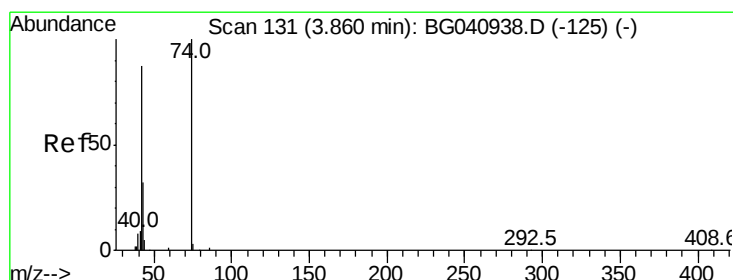
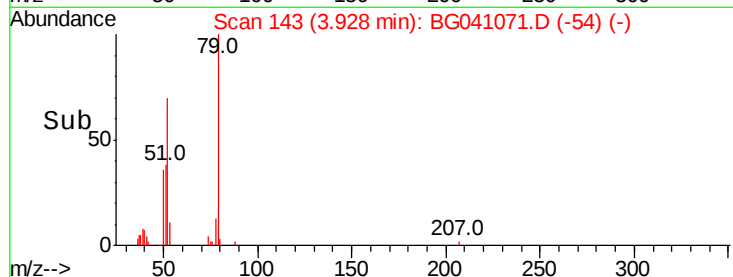
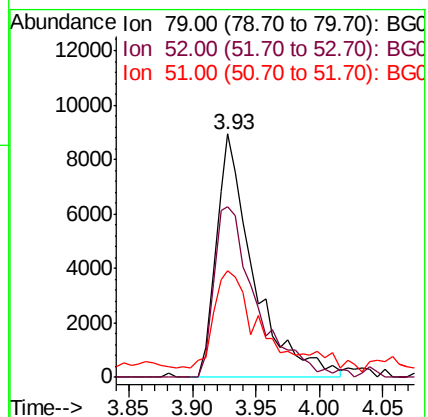
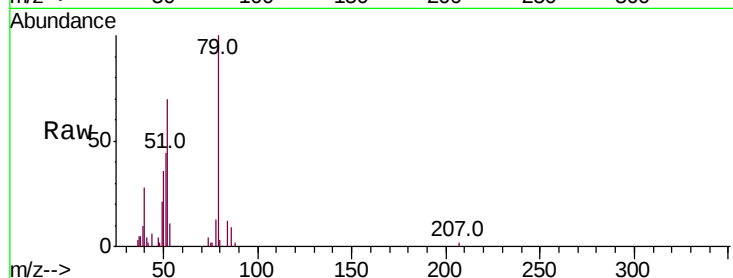
Tot Ion: 79 Resp: 18187

Ion Ratio Lower Upper

79 100

52 70.2 64.8 97.2

51 43.9 35.3 52.9



#4

n-Nitrosodimethylamine

Concen: 7.123 ng

RT: 3.85 min Scan# 129

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

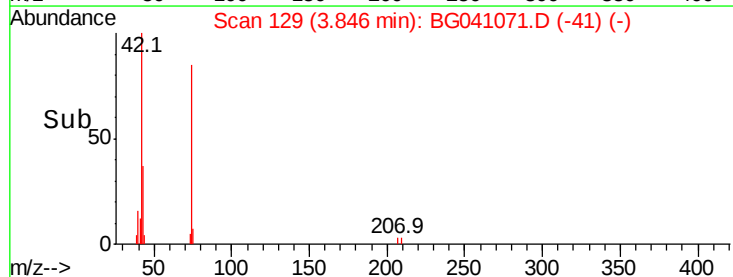
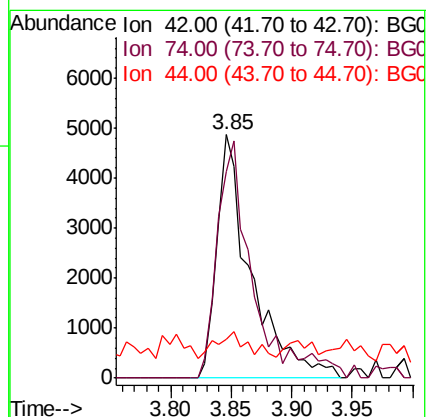
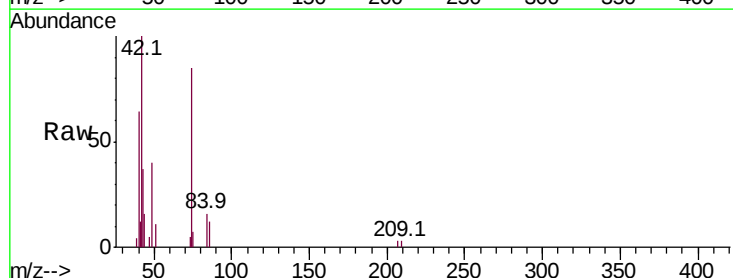
Tgt Ion: 42 Resp: 9483

Ion Ratio Lower Upper

42 100

74 84.9 91.8 137.6#

44 16.0 6.0 9.0#





#5

2-Fluorophenol

Concen: 116.030 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

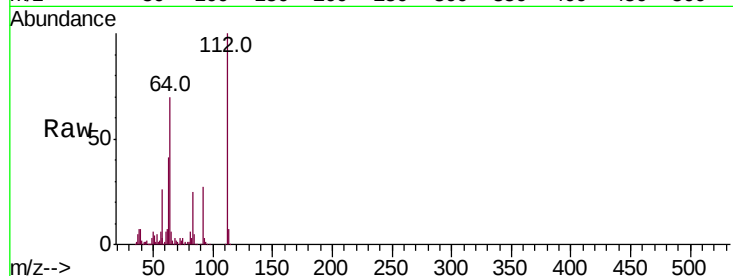
Tot Ion:112 Resp: 247869

Ion Ratio Lower Upper

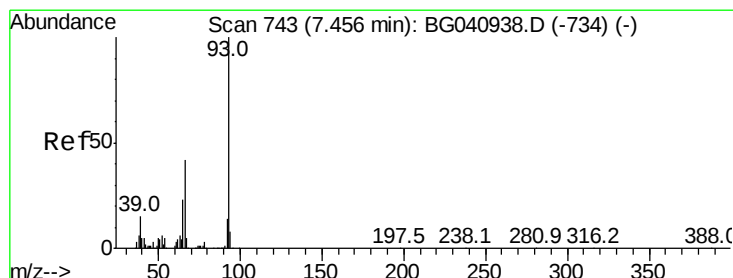
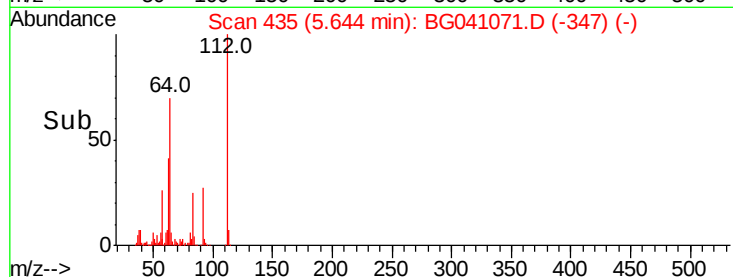
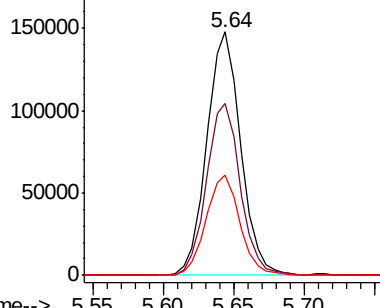
112 100

64 70.4 56.2 84.2

63 41.4 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: 6.044 ng

RT: 7.44 min Scan# 740

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

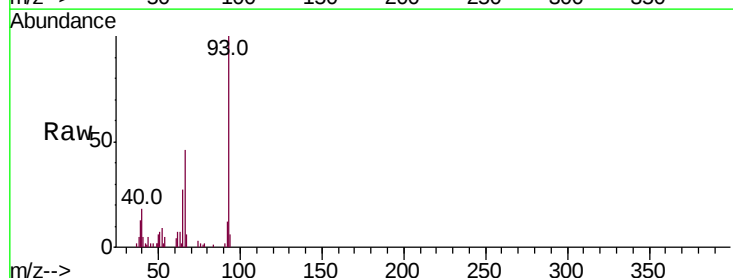
Tgt Ion: 93 Resp: 26617

Ion Ratio Lower Upper

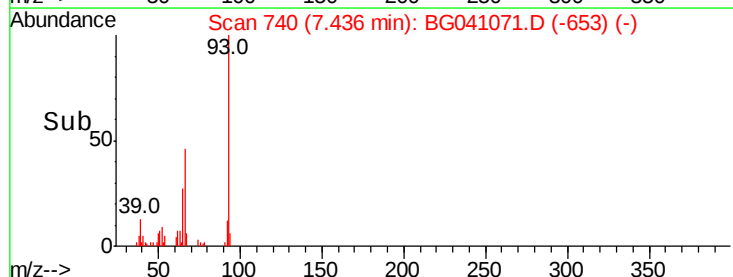
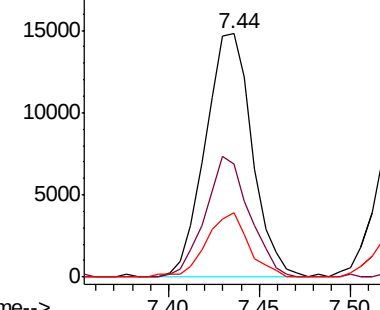
93 100

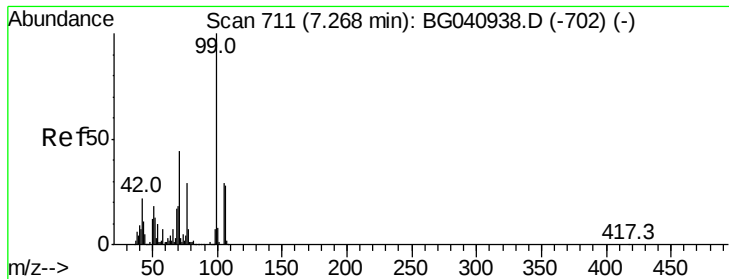
66 46.4 33.8 50.8

65 26.5 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: 102.448 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

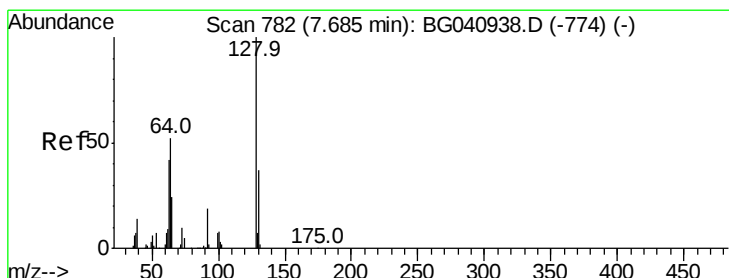
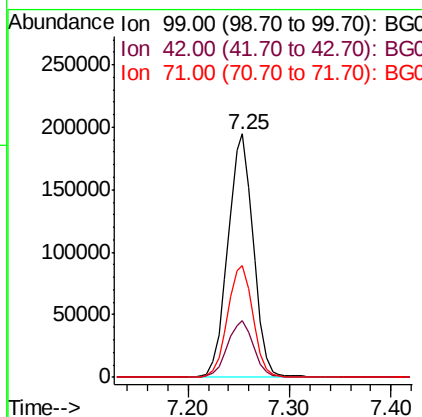
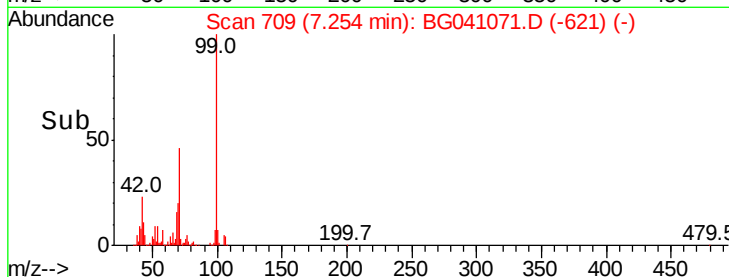
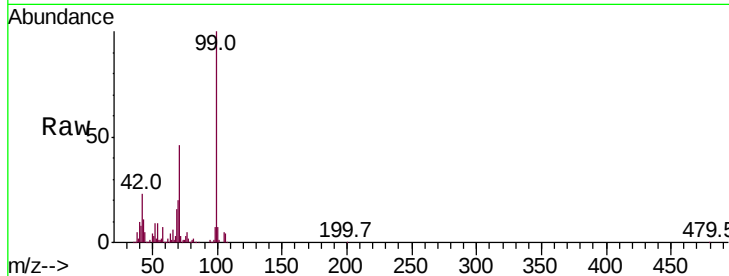
Tot Ion: 99 Resp: 337997

Ion Ratio Lower Upper

99 100

42 23.5 17.9 26.9

71 45.7 35.4 53.0



#8

2-Chlorophenol

Concen: 6.667 ng

RT: 7.66 min Scan# 779

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

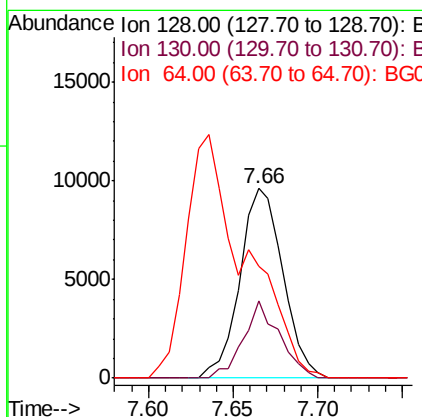
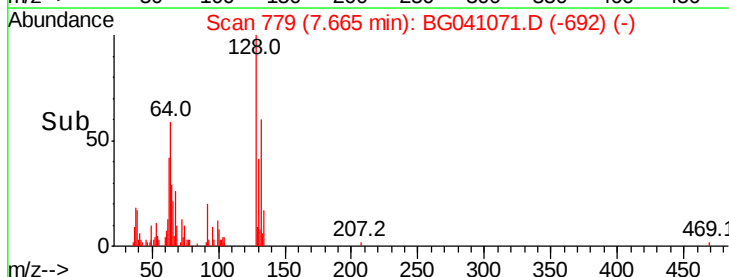
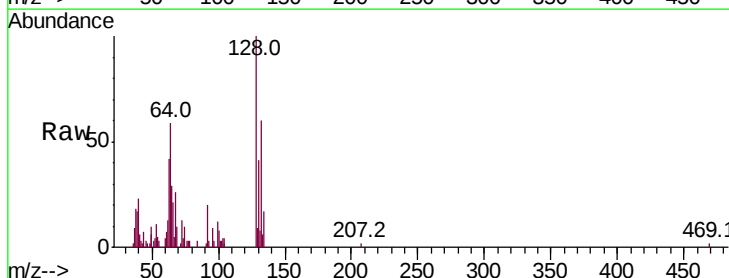
Tgt Ion: 128 Resp: 16980

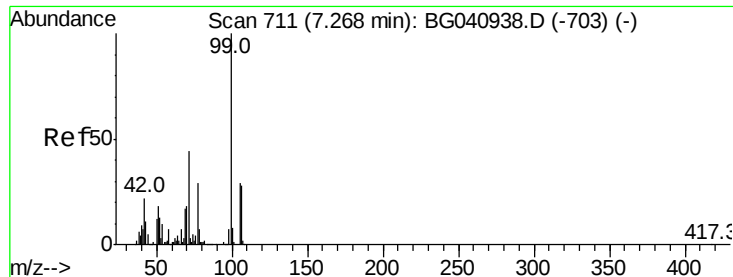
Ion Ratio Lower Upper

128 100

130 40.8 16.6 56.6

64 59.1 37.8 77.8

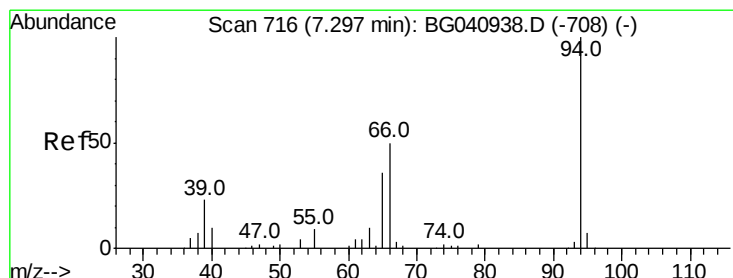
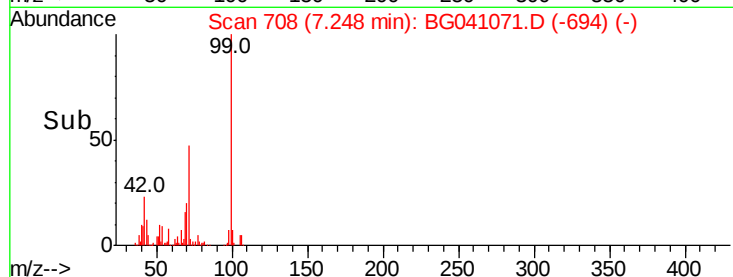
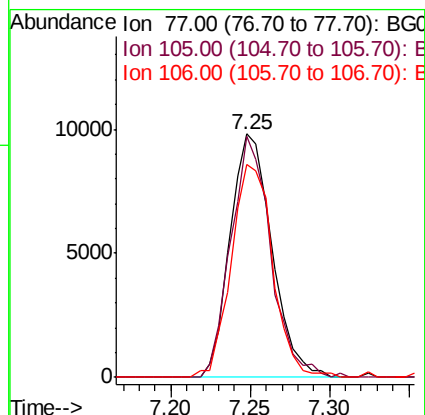
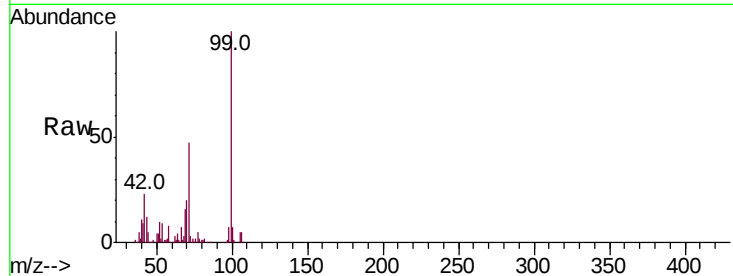




#9
Benzaldehyde
Concen: 9.114 ng
RT: 7.25 min Scan# 708
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

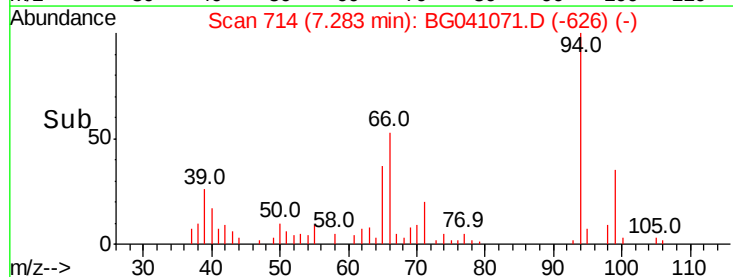
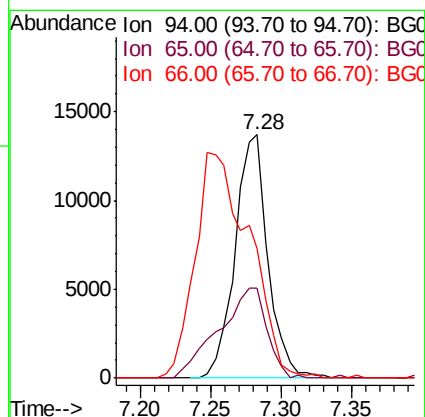
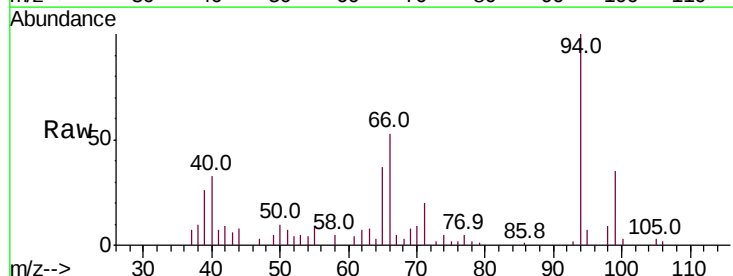
Instrument :
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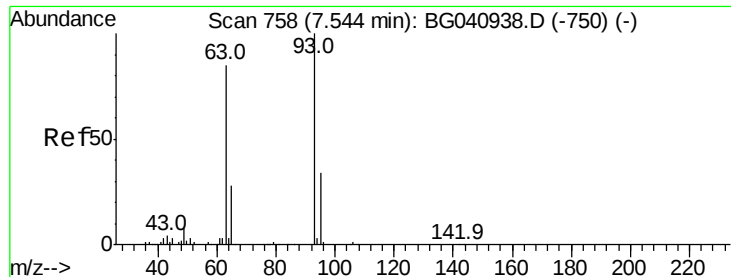
Tot Ion: 77 Resp: 17937
Ion Ratio Lower Upper
77 100
105 99.3 78.9 118.9
106 87.3 76.7 116.7



#10
Phenol
Concen: 6.260 ng
RT: 7.28 min Scan# 714
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion: 94 Resp: 22144
Ion Ratio Lower Upper
94 100
65 37.2 17.0 57.0
66 53.1 32.4 72.4

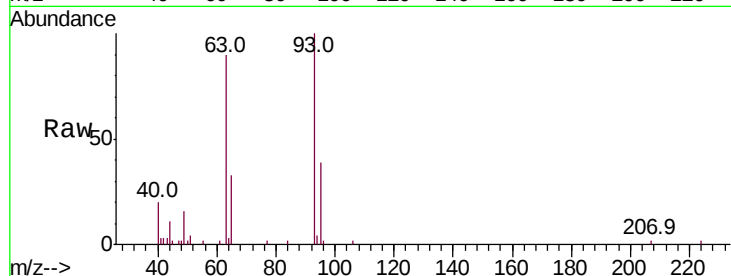




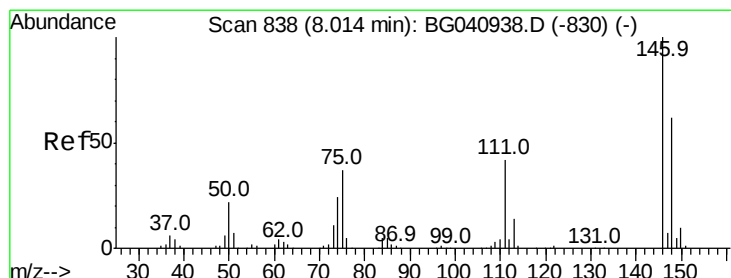
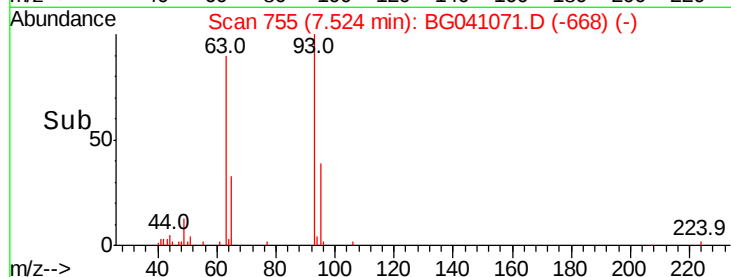
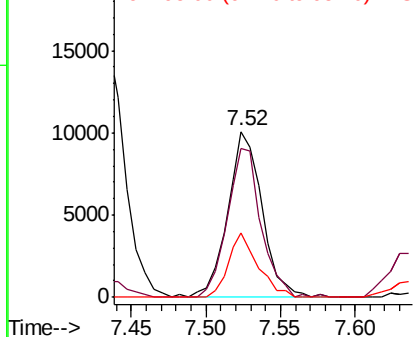
#11
 bis(2-Chloroethyl)ether
 Concen: 6.306 ng
 RT: 7.52 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

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

Tot Ion: 93 Resp: 16183
 Ion Ratio Lower Upper
 93 100
 63 89.8 64.5 104.5
 95 38.5 13.3 53.3

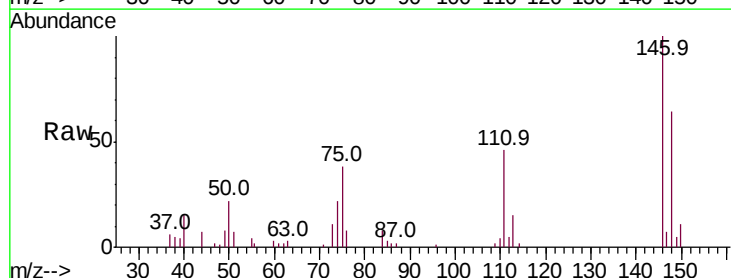


Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC

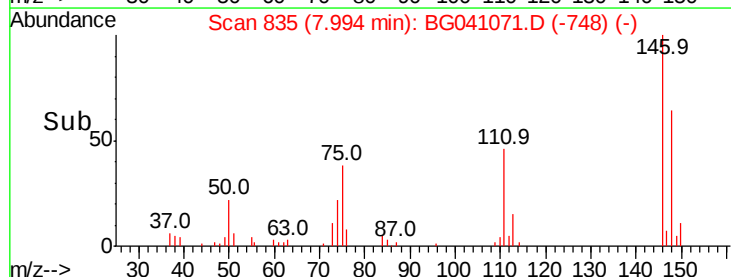
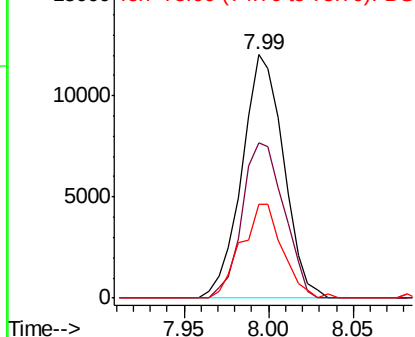


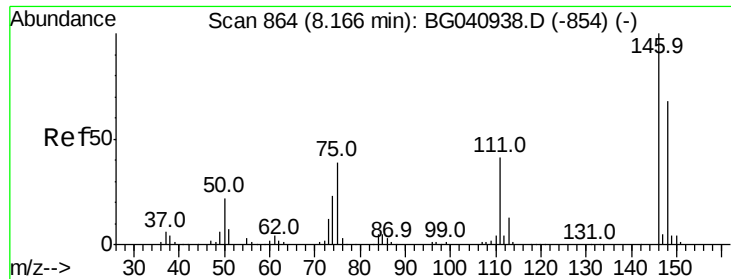
#12
 1,3-Dichlorobenzene
 Concen: 6.780 ng
 RT: 7.99 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Tgt Ion: 146 Resp: 20624
 Ion Ratio Lower Upper
 146 100
 148 63.8 49.2 73.8
 75 38.3 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

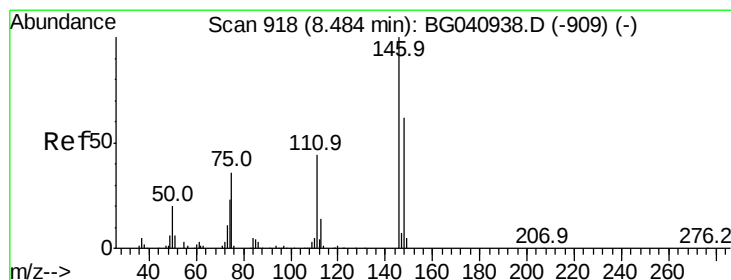
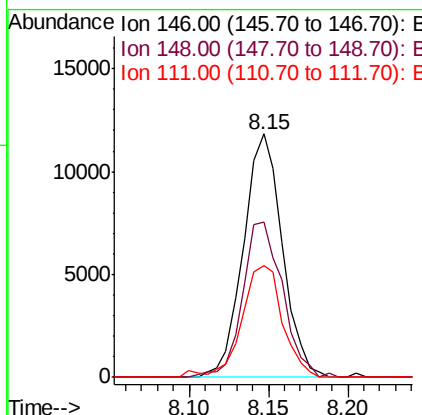
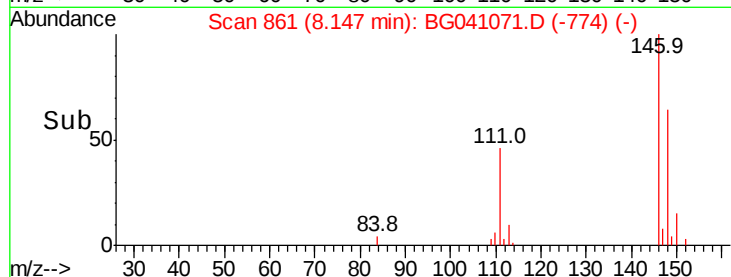
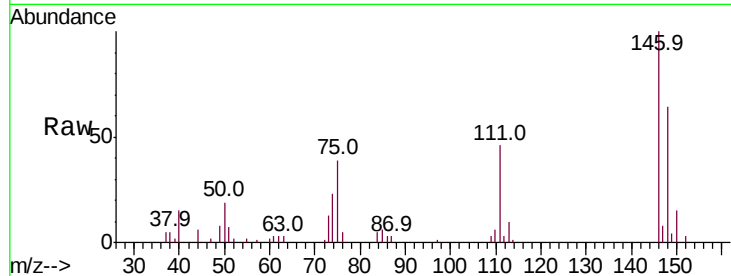




#13
 1,4-Dichlorobenzene
 Concen: 6.563 ng
 RT: 8.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

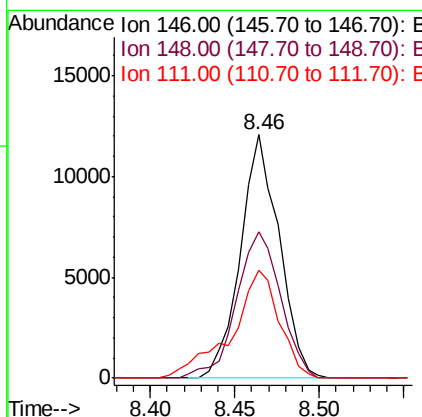
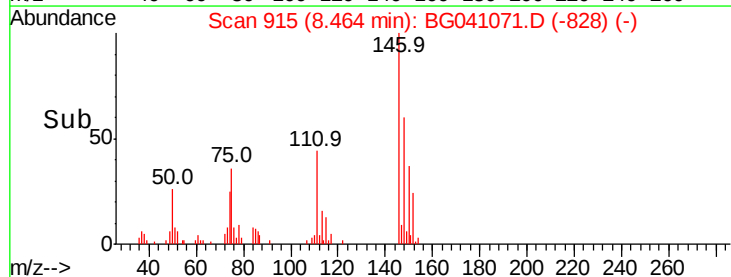
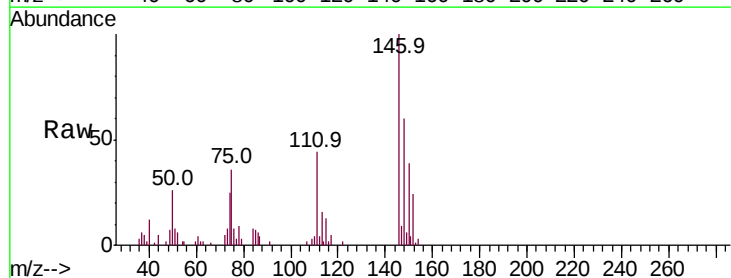
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

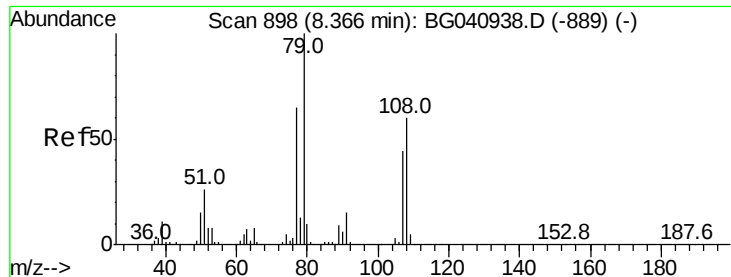
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	54.2	81.4
111	45.8	32.9	49.3



#14
 1,2-Dichlorobenzene
 Concen: 6.428 ng
 RT: 8.46 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.1	49.8	74.6
111	44.4	35.0	52.4





#15

Benzyl Alcohol

Concen: 5.629 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

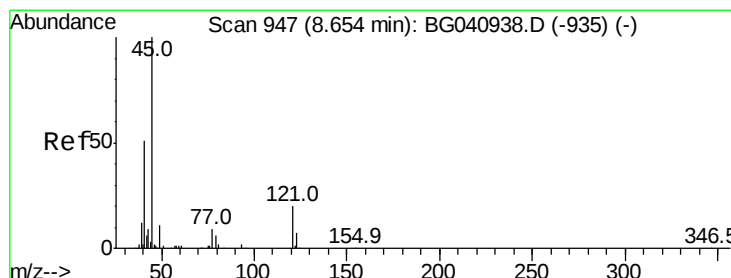
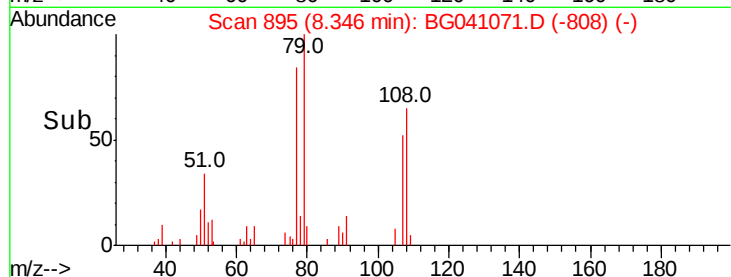
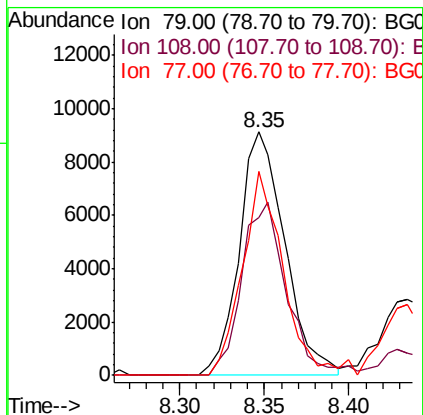
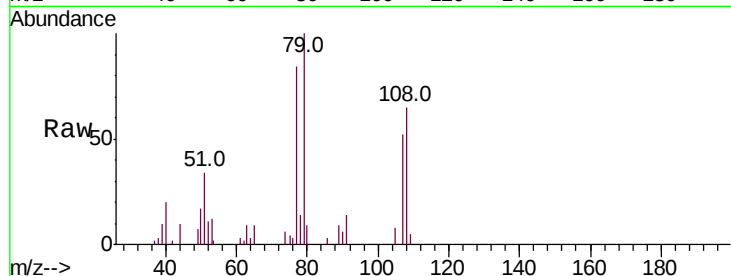
Tot Ion: 79 Resp: 17178

Ion Ratio Lower Upper

79 100

108 64.8 48.3 72.5

77 84.0 52.3 78.5#



#16

2,2'-oxybis(1-chloropropane)

Concen: 6.354 ng

RT: 8.64 min Scan# 945

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

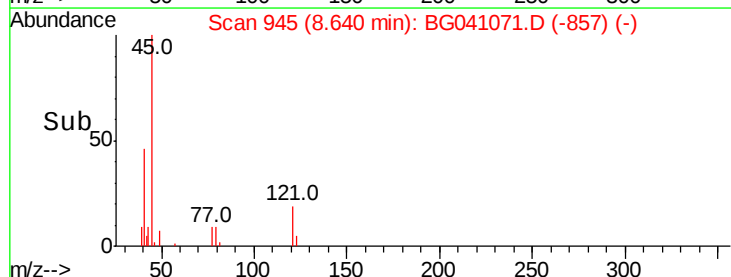
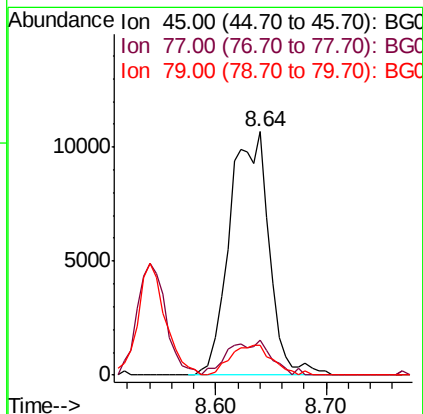
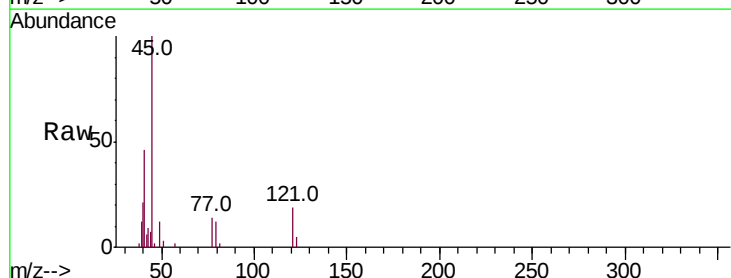
Tgt Ion: 45 Resp: 26643

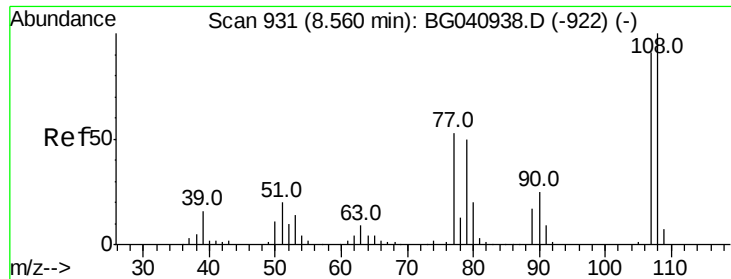
Ion Ratio Lower Upper

45 100

77 14.2 0.0 33.7

79 12.0 0.0 30.2

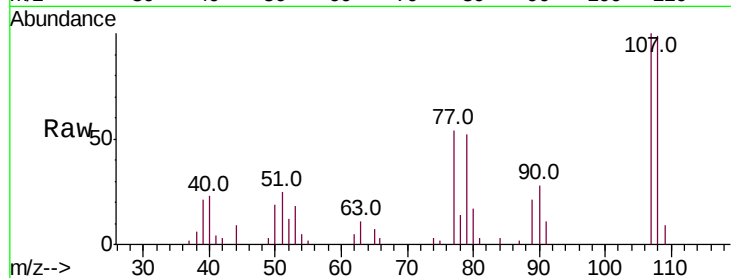




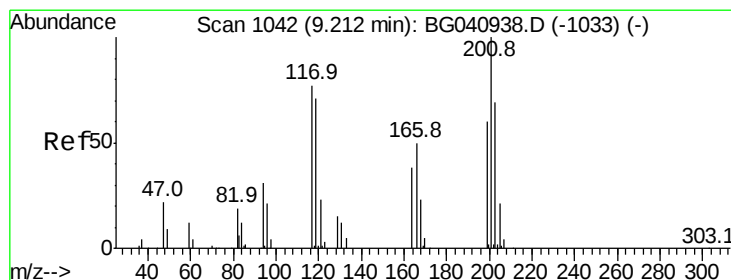
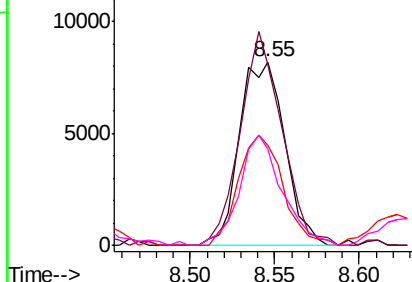
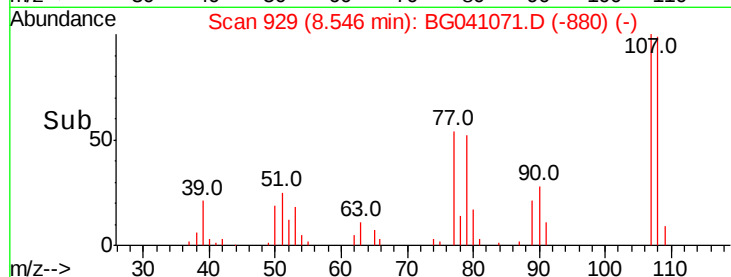
#17
2-Methylphenol
Concen: 5.958 ng
RT: 8.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

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

Tot Ion:	107	Resp:	15261
Ion	Ratio	Lower	Upper
107	100		
108	98.6	87.7	131.5
77	54.4	46.6	70.0
79	52.3	44.6	66.8

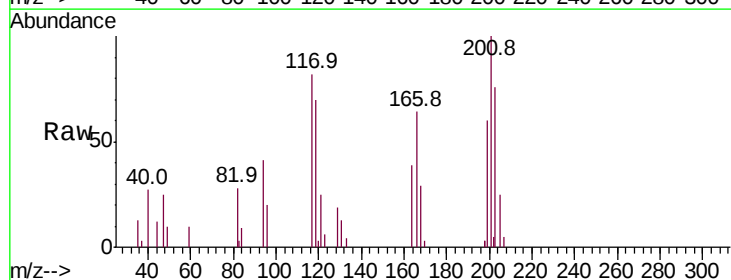


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

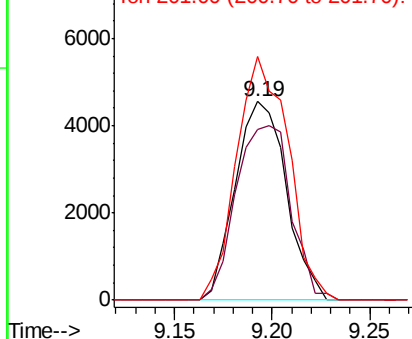
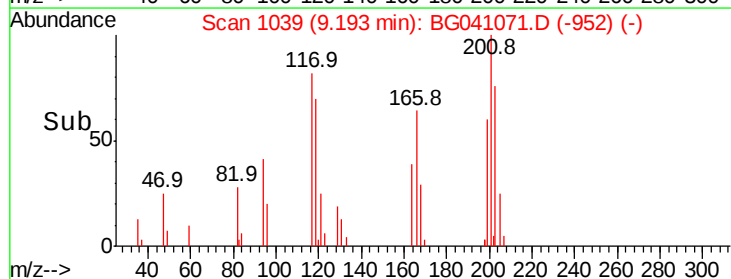


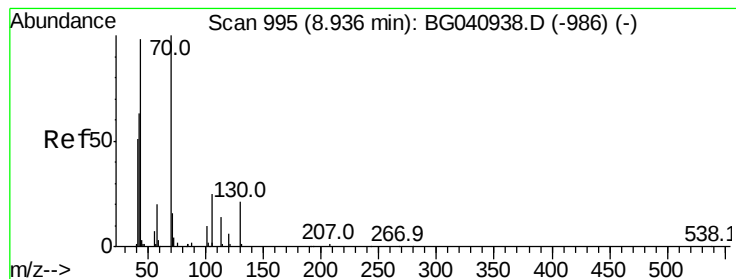
#18
Hexachloroethane
Concen: 6.941 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion:	117	Resp:	8237
Ion	Ratio	Lower	Upper
117	100		
119	86.1	75.0	112.6
201	122.7	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: 6.112 ng

RT: 8.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 70 Resp: 15518

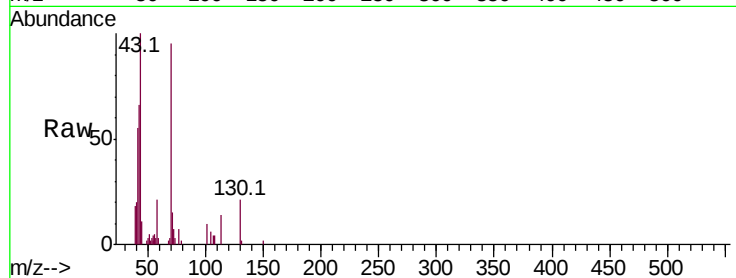
Ion Ratio Lower Upper

70 100

42 69.4 51.5 77.3

101 10.1 8.1 12.1

130 21.8 16.6 24.8

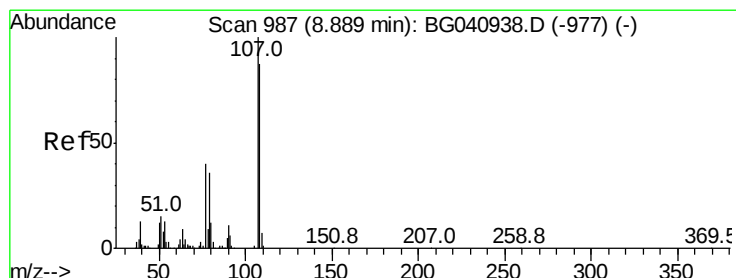
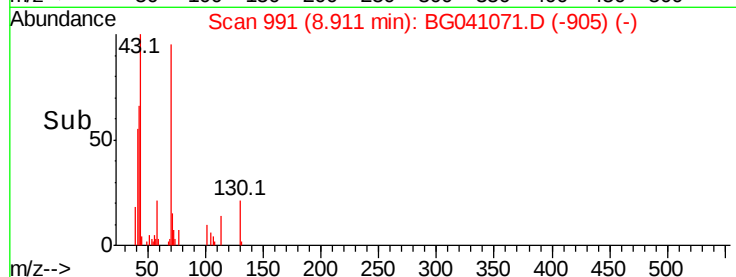
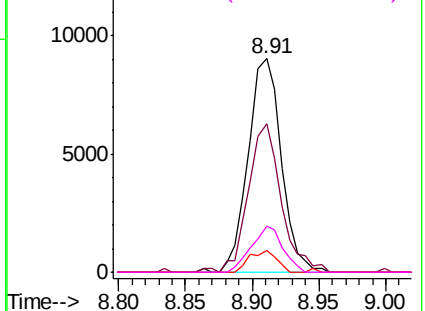


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 5.627 ng

RT: 8.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion: 107 Resp: 19963

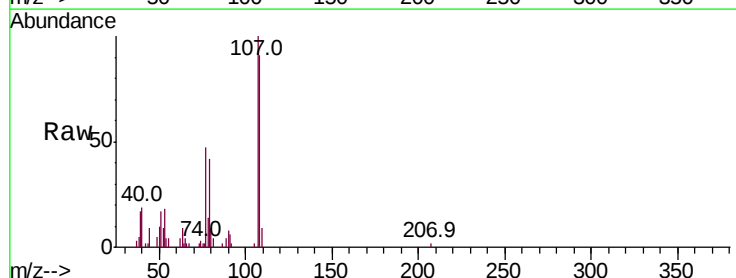
Ion Ratio Lower Upper

107 100

108 90.7 66.8 106.8

77 46.6 20.5 60.5

79 42.4 15.8 55.8

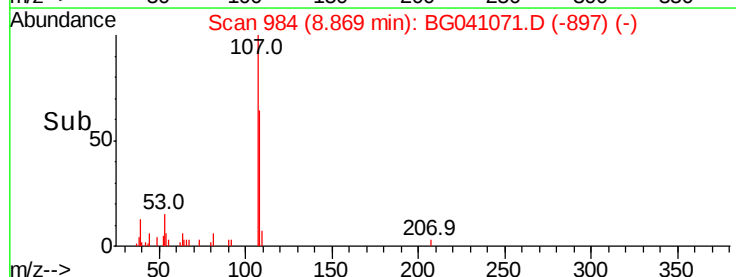
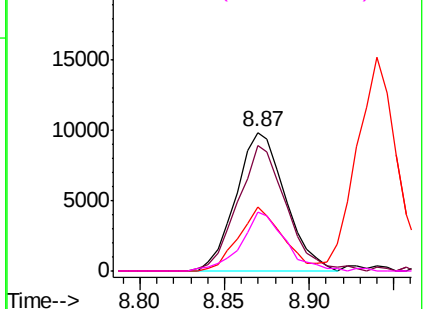


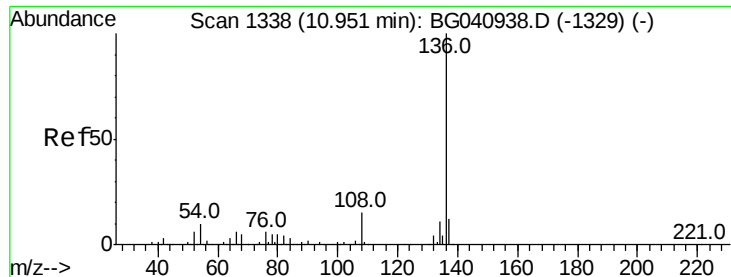
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

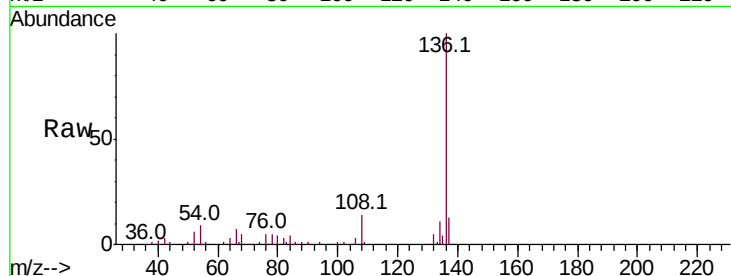




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

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

Tot Ion:136	Resp:	144107
Ion Ratio	Lower	Upper
136	100	
137	12.6	9.5 14.3
54	9.6	7.6 11.4
68	4.6	3.9 5.9



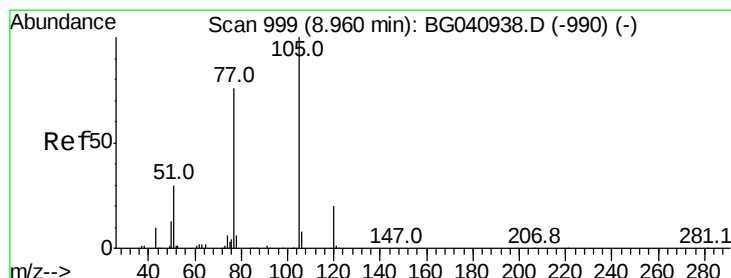
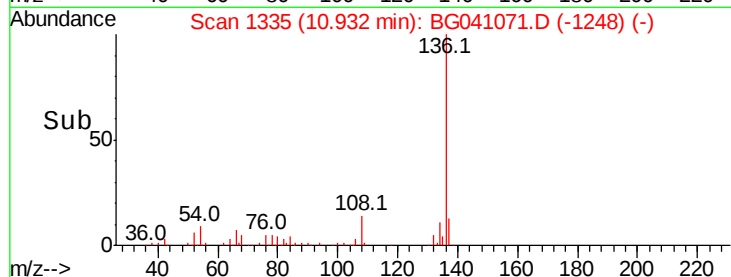
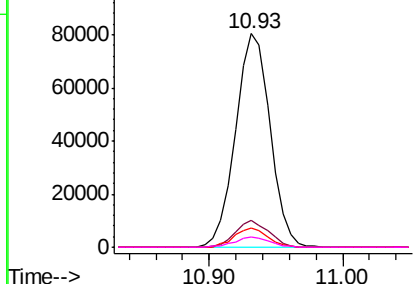
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

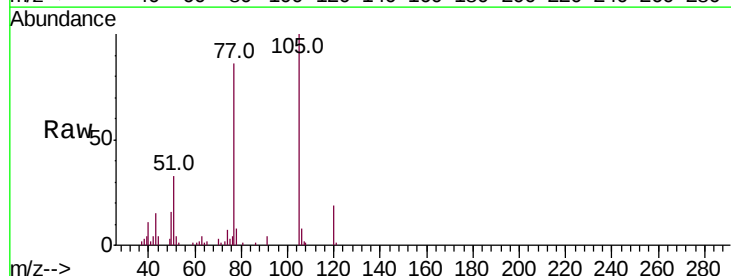
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 7.364 ng
RT: 8.94 min Scan# 996
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion:105	Resp:	29770
Ion Ratio	Lower	Upper
105	100	
71	0.9	0.4 0.6#
51	33.3	27.0 40.6
120	18.6	16.2 24.4



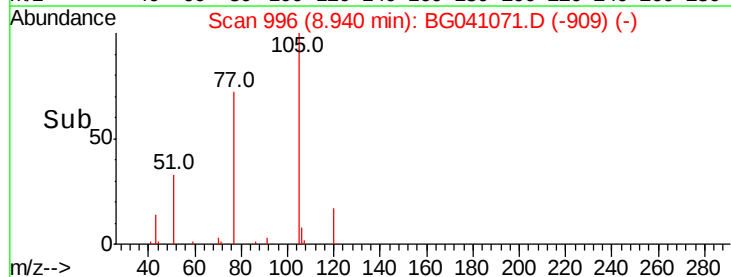
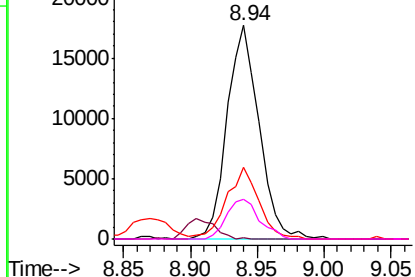
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 73.225 ng

RT: 9.29 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

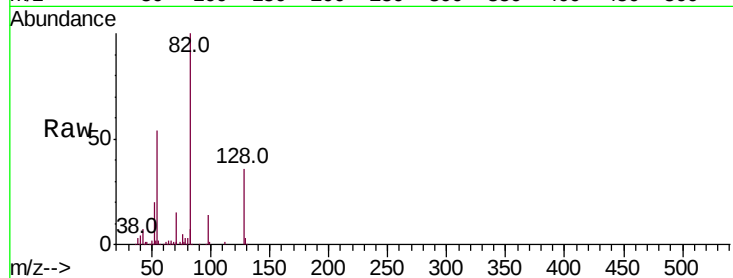
Tot Ion: 82 Resp: 237697

Ion Ratio Lower Upper

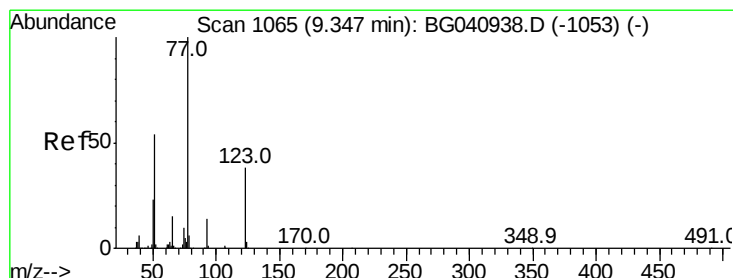
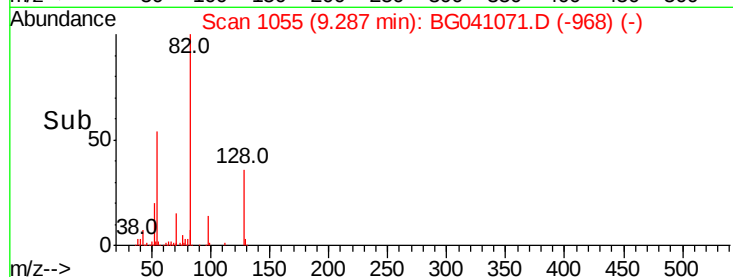
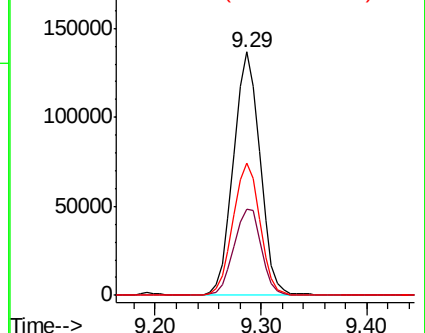
82 100

128 35.6 30.5 45.7

54 54.3 44.6 66.8



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



#24

Nitrobenzene

Concen: 7.851 ng

RT: 9.33 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

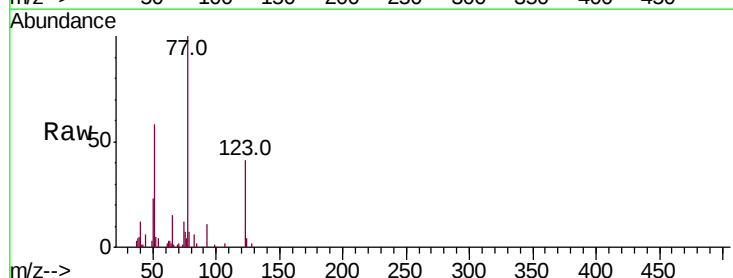
Tgt Ion: 77 Resp: 25971

Ion Ratio Lower Upper

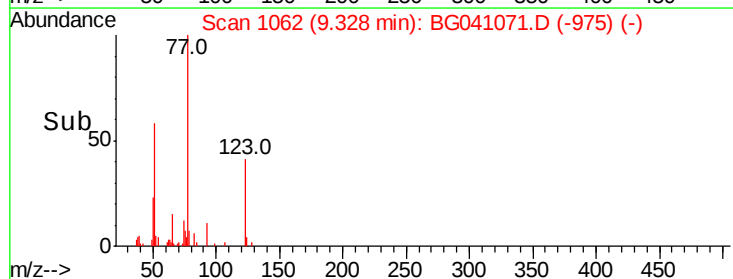
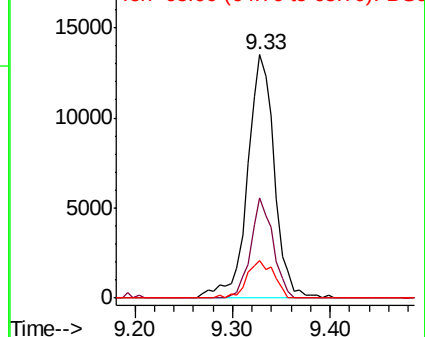
77 100

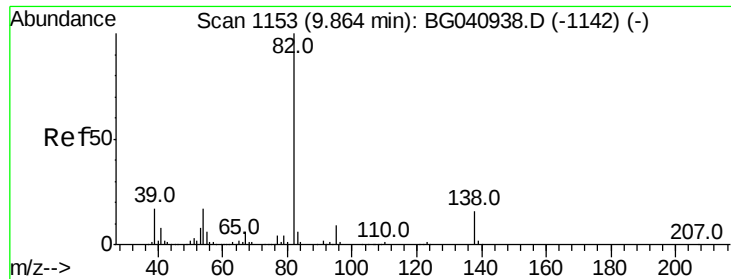
123 41.3 30.6 46.0

65 15.4 12.3 18.5



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





#25

Isophorone

Concen: 6.907 ng

RT: 9.84 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

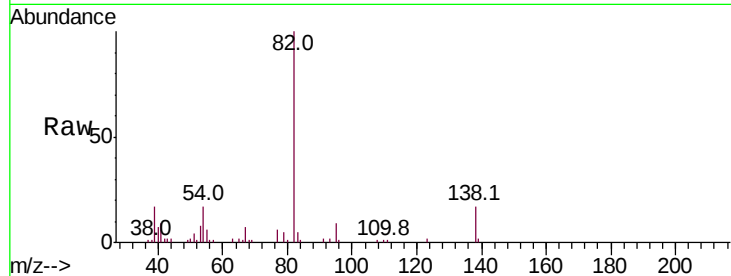
Tot Ion: 82 Resp: 42666

Ion Ratio Lower Upper

82 100

95 9.2 7.0 10.4

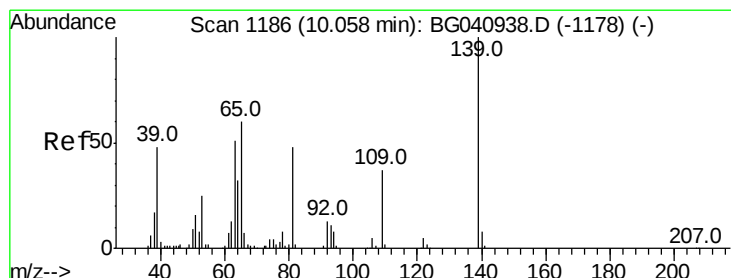
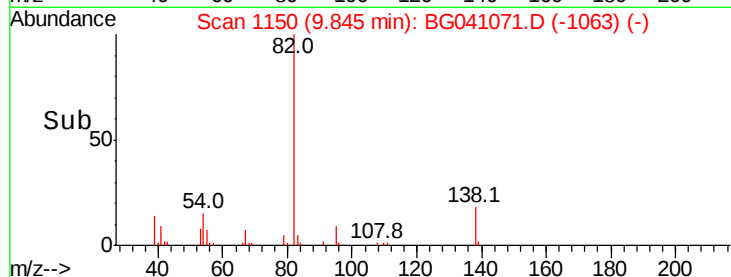
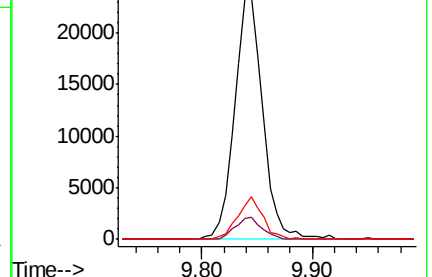
138 17.3 12.6 19.0



Abundance Ion 82.00 (81.70 to 82.70): BG040938.D (-1142) (-)

Ion 95.00 (94.70 to 95.70): BG040938.D (-1142) (-)

Ion 138.00 (137.70 to 138.70): BG040938.D (-1142) (-)



#26

2-Nitrophenol

Concen: 7.380 ng

RT: 10.04 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

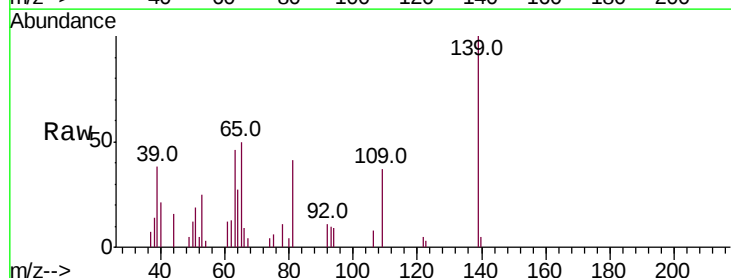
Tgt Ion: 139 Resp: 10064

Ion Ratio Lower Upper

139 100

109 36.7 29.8 44.6

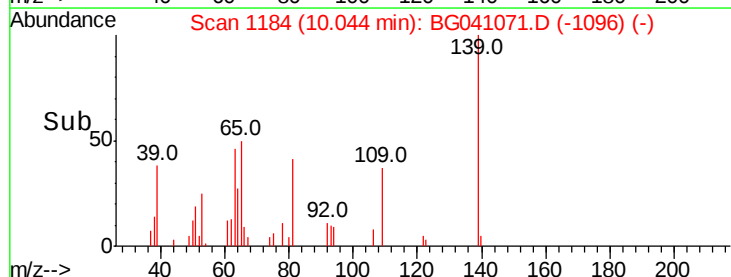
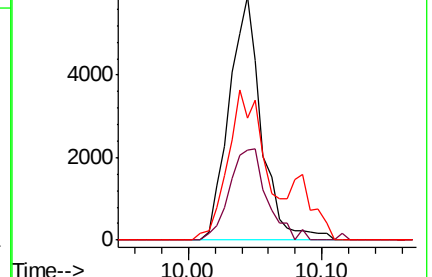
65 50.0 47.8 71.6

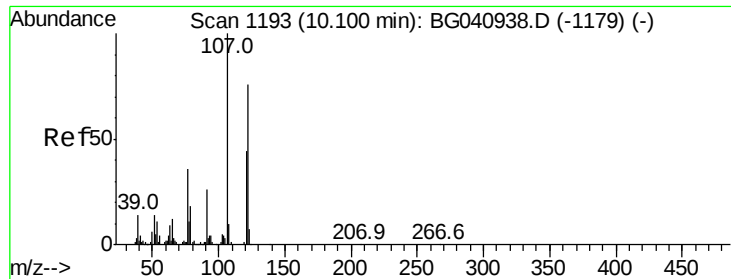


Abundance Ion 139.00 (138.70 to 139.70): BG040938.D (-1178) (-)

Ion 109.00 (108.70 to 109.70): BG040938.D (-1178) (-)

Ion 65.00 (64.70 to 65.70): BG040938.D (-1178) (-)

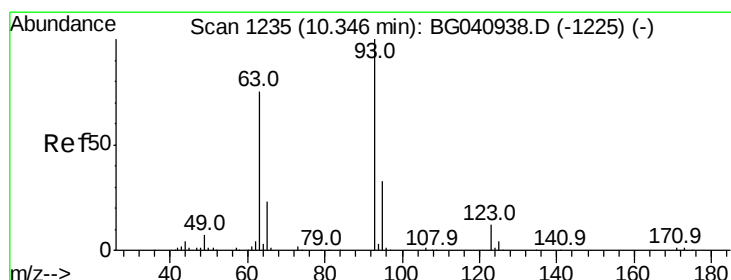
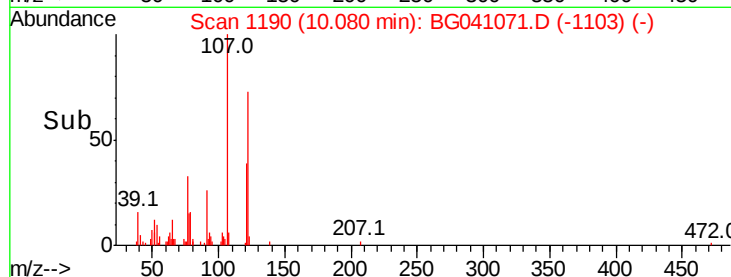
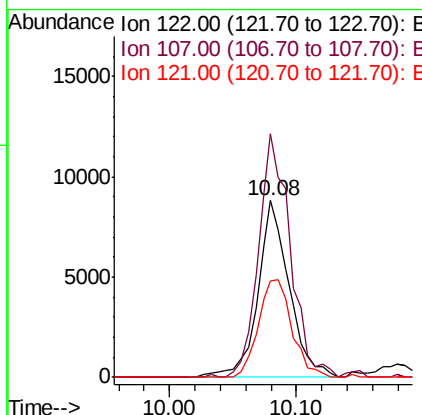
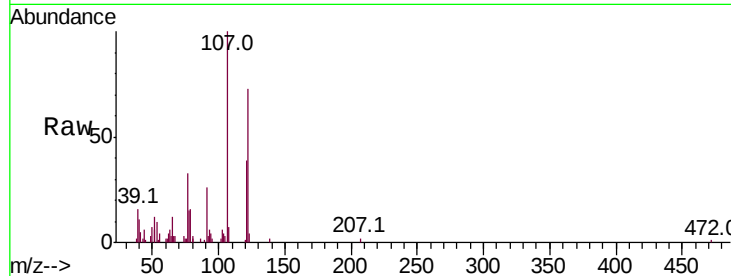




#27
2,4-Dimethylphenol
Concen: 6.739 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

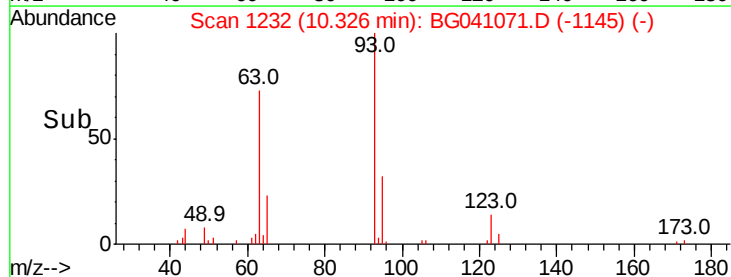
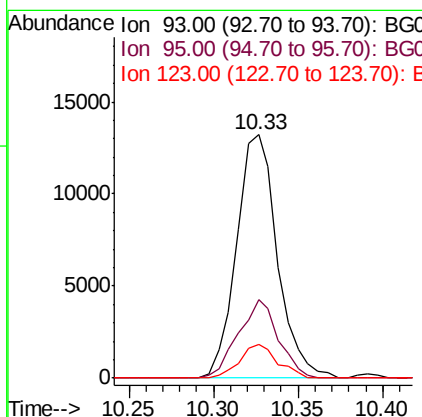
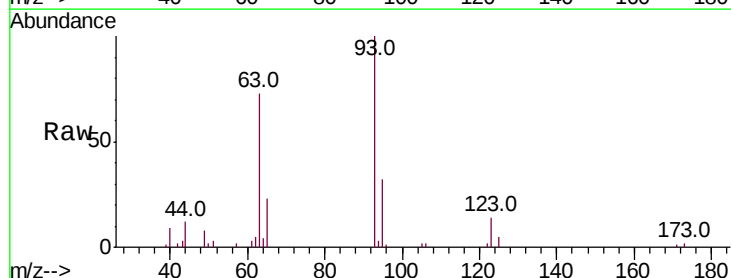
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

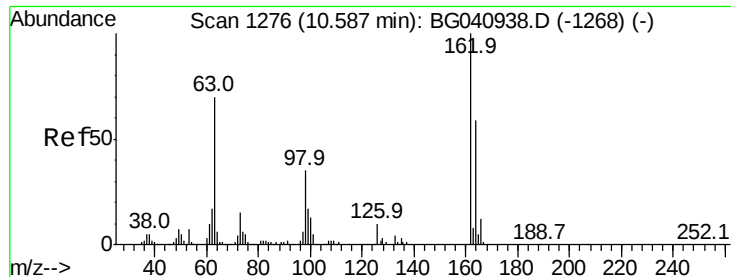
Tot Ion:122 Resp: 15179
Ion Ratio Lower Upper
122 100
107 137.8 105.9 158.9
121 54.3 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 6.652 ng
RT: 10.33 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion: 93 Resp: 22179
Ion Ratio Lower Upper
93 100
95 32.1 26.2 39.2
123 13.8 9.5 14.3

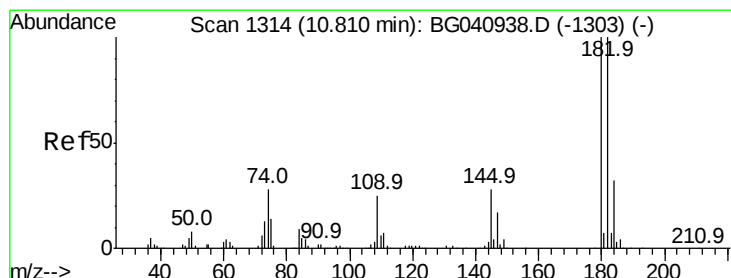
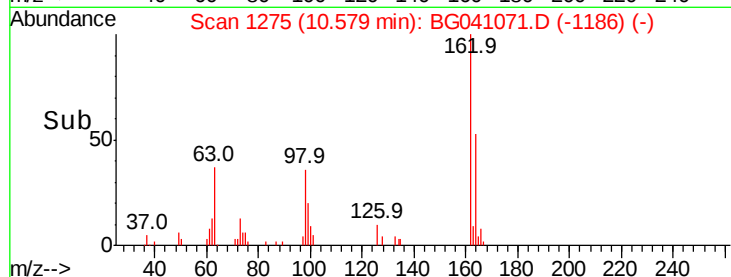
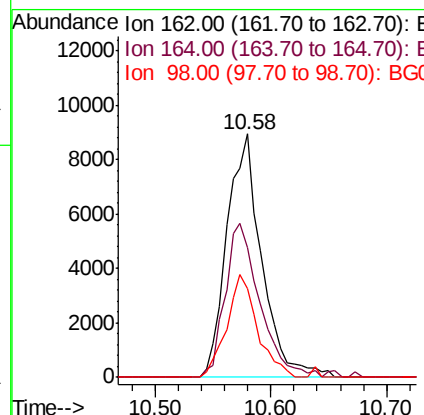
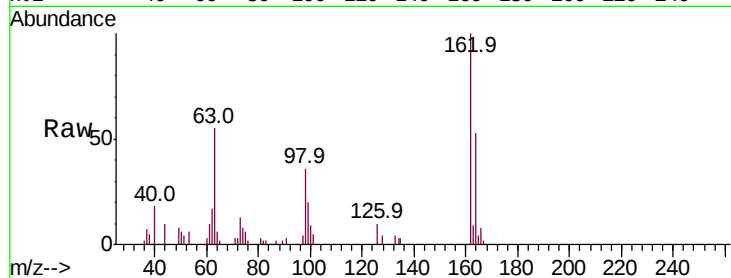




#29
2,4-Dichlorophenol
Concen: 6.514 ng
RT: 10.58 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

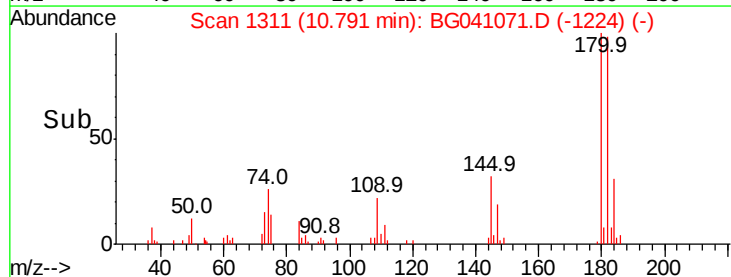
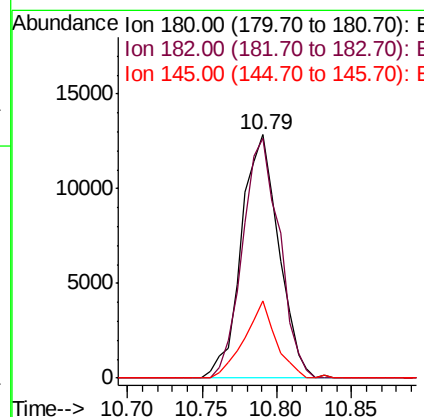
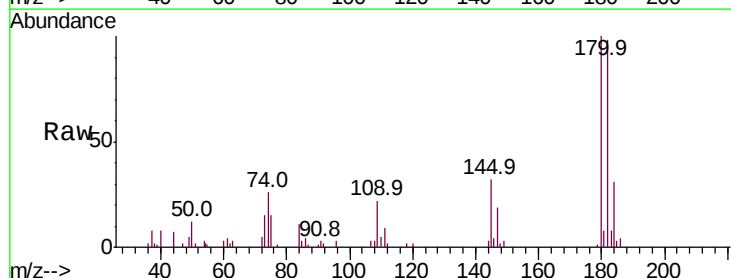
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

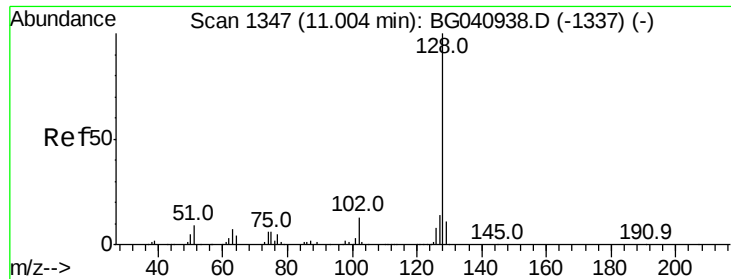
Tot Ion	Ratio	Lower	Upper
162	100		
164	53.1	39.4	79.4
98	36.2	15.3	55.3



#30
1,2,4-Trichlorobenzene
Concen: 6.880 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	79.7	119.5
145	31.5	22.6	34.0

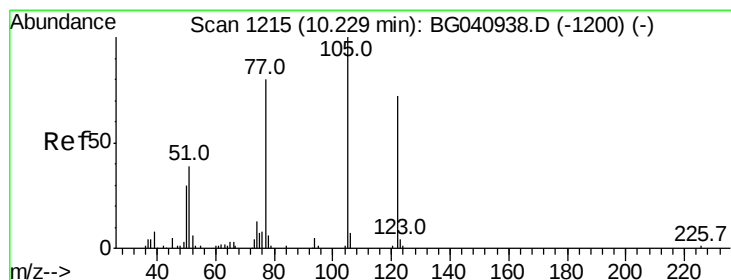
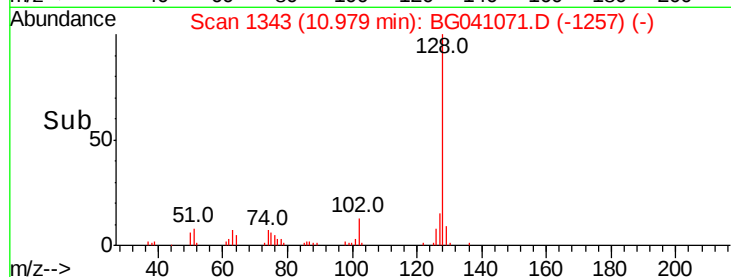
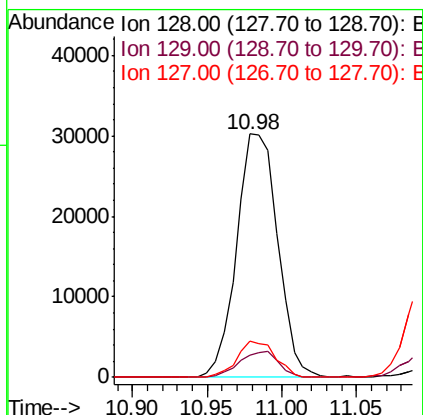
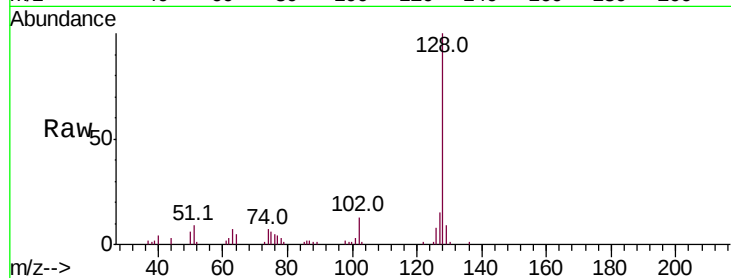




#31
Naphthalene
Concen: 7.446 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.03 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

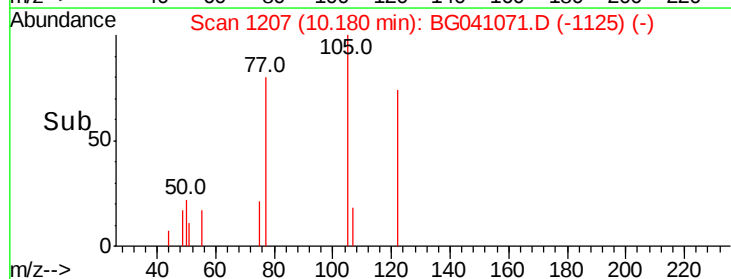
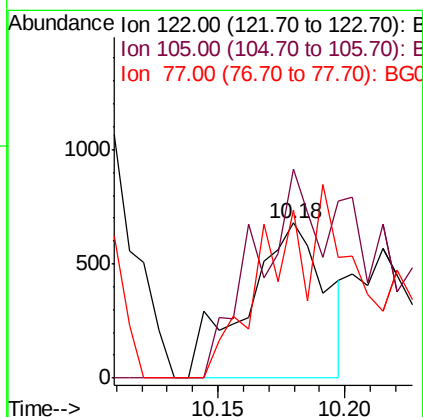
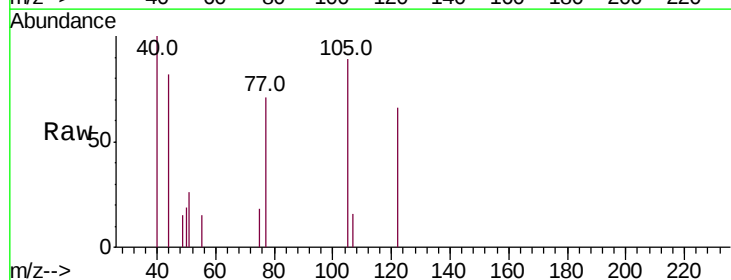
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

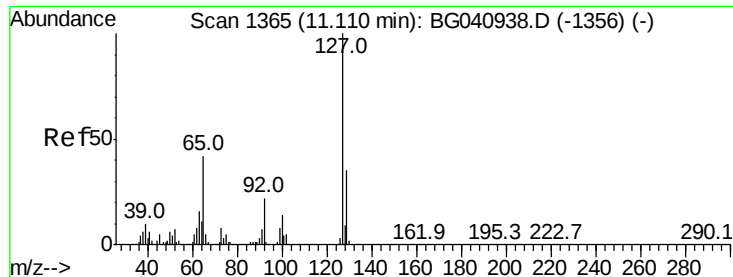
Tot Ion:128 Resp: 57615
Ion Ratio Lower Upper
128 100
129 9.2 8.5 12.7
127 15.0 11.4 17.2



#32
Benzoic acid
Concen: 8.821 ng
RT: 10.18 min Scan# 1207
Delta R.T. -0.05 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion:122 Resp: 1457
Ion Ratio Lower Upper
122 100
105 135.0 114.8 154.8
77 108.1 89.9 129.9

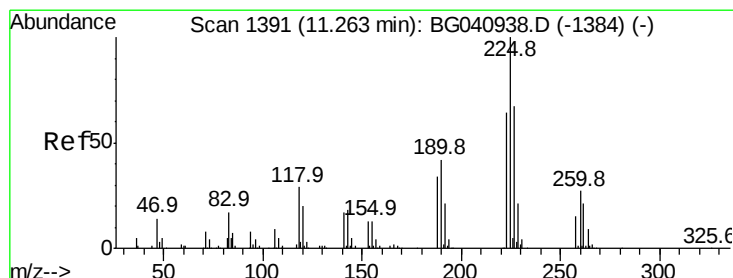
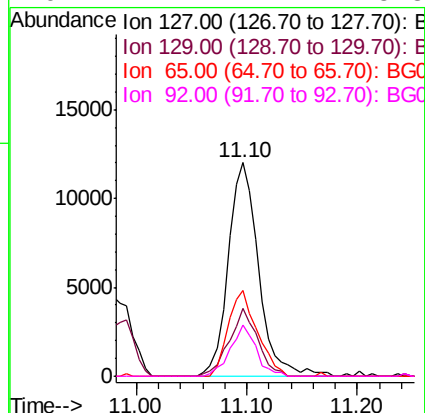
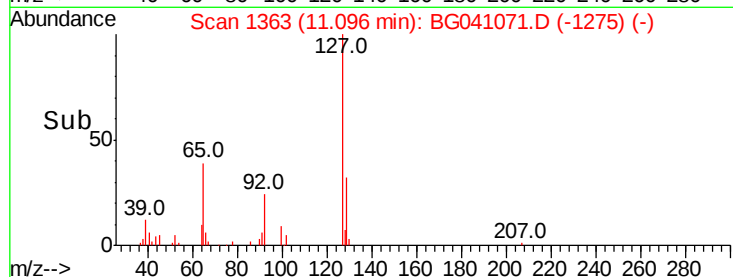
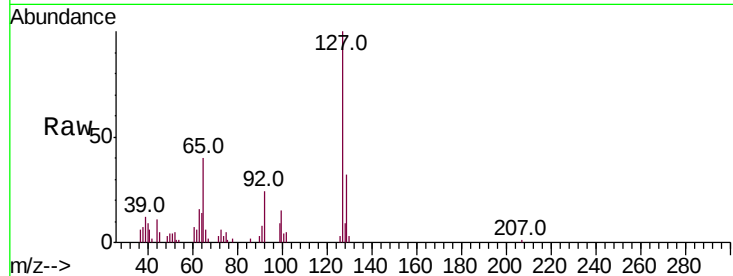




#33
4-Chloroaniline
Concen: 6.437 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

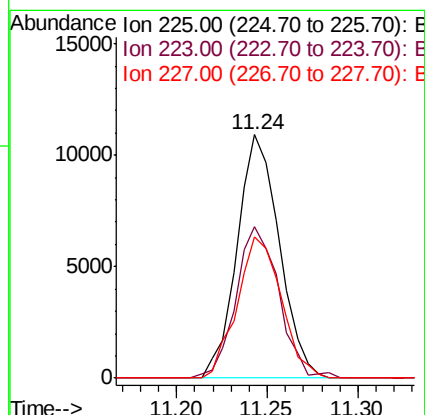
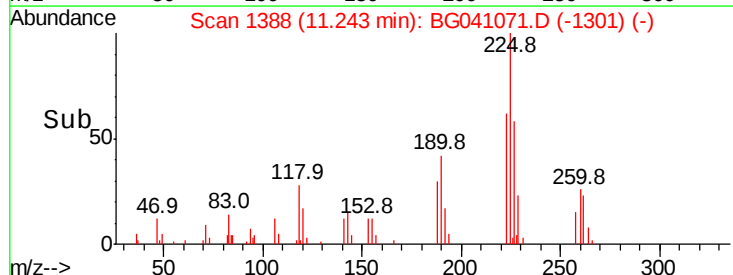
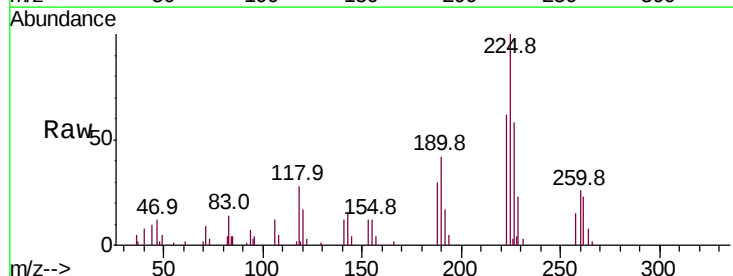
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

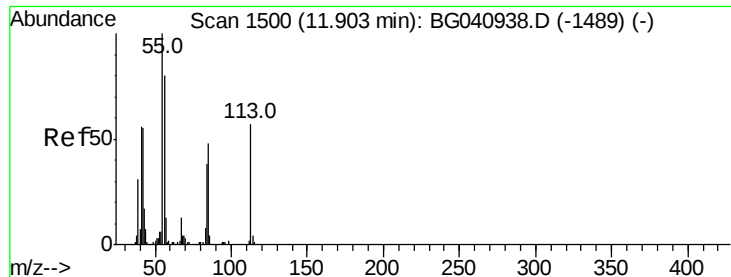
Tot Ion:127	Resp:	23110
Ion Ratio	Lower	Upper
127 100		
129 31.9	27.7	41.5
65 40.1	33.2	49.8
92 24.1	17.2	25.8



#34
Hexachlorobutadiene
Concen: 7.084 ng
RT: 11.24 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion:225	Resp:	17637
Ion Ratio	Lower	Upper
225 100		
223 62.2	48.8	73.2
227 58.1	51.4	77.0

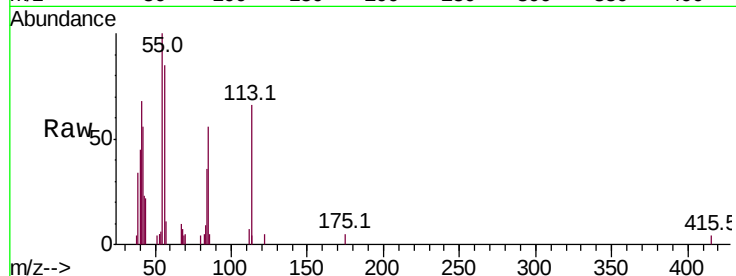




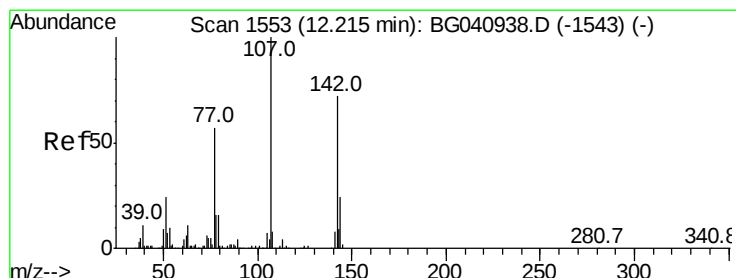
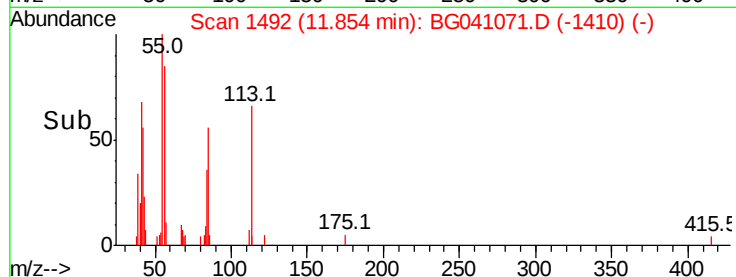
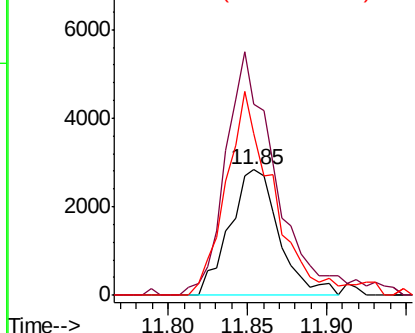
#35
 Caprolactam
 Concen: 6.467 ng
 RT: 11.85 min Scan# 1492
 Delta R.T. -0.05 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

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

Tot Ion:113 Resp: 6108
 Ion Ratio Lower Upper
 113 100
 55 152.3 155.9 195.9#
 56 128.7 119.9 159.9

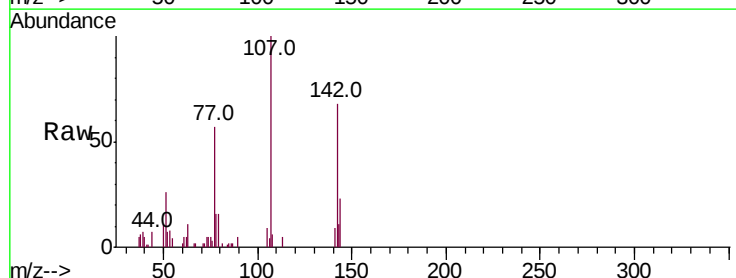


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BG
 Ion 56.00 (55.70 to 56.70): BG

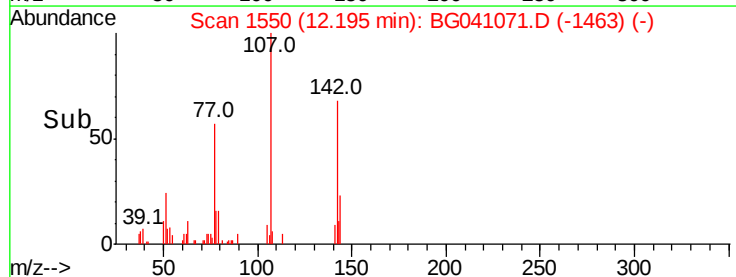
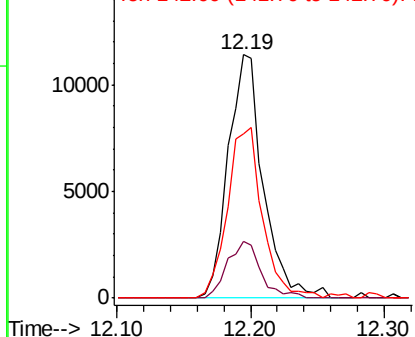


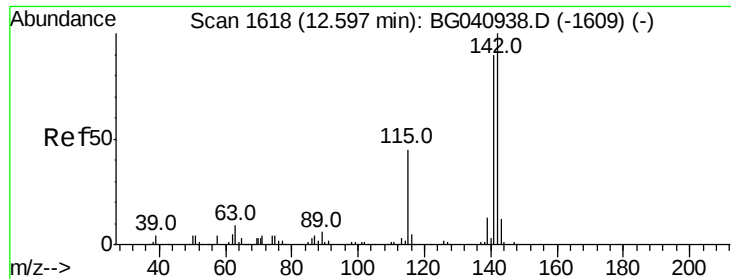
#36
 4-Chloro-3-methylphenol
 Concen: 6.389 ng
 RT: 12.19 min Scan# 1550
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Tgt Ion:107 Resp: 20869
 Ion Ratio Lower Upper
 107 100
 144 23.1 19.4 29.0
 142 67.7 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

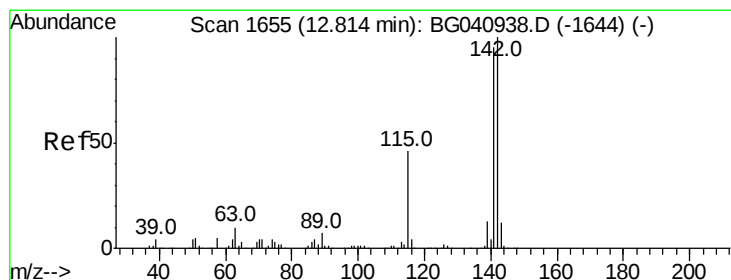
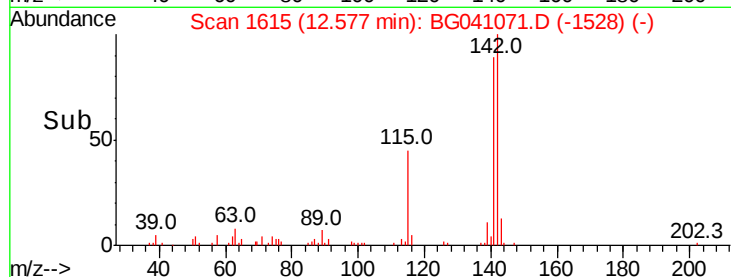
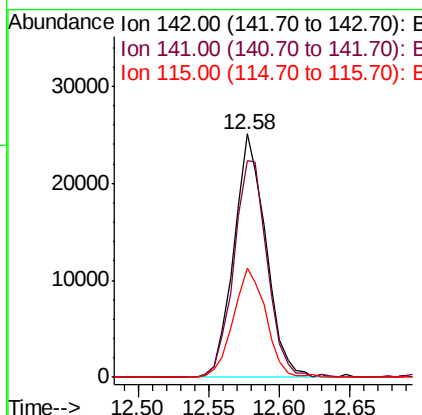
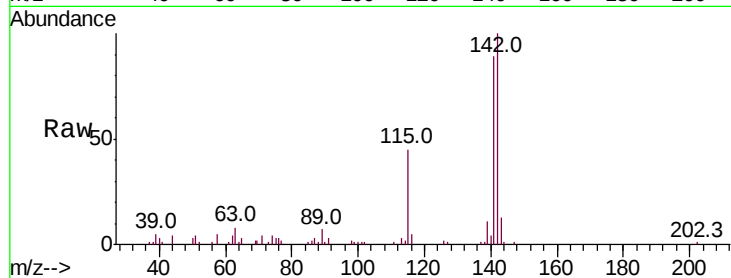




#37
2-Methylnaphthalene
Concen: 6.657 ng
RT: 12.58 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

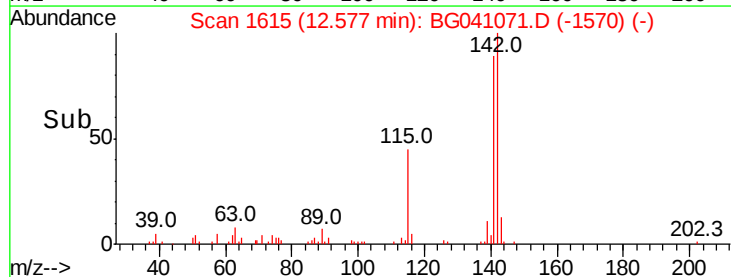
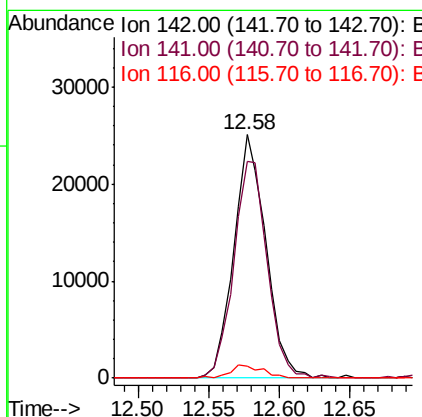
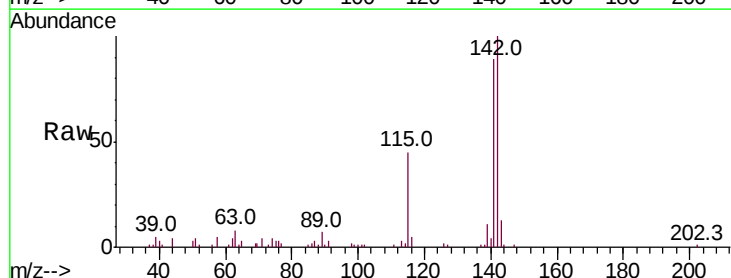
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

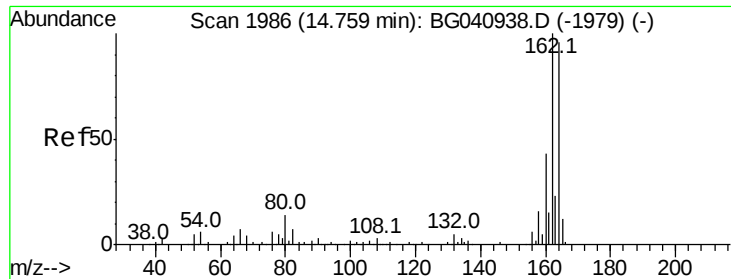
Tot Ion:142 Resp: 39672
Ion Ratio Lower Upper
142 100
141 88.9 72.2 108.4
115 45.0 36.2 54.4



#38
1-Methylnaphthalene
Concen: 7.065 ng
RT: 12.58 min Scan# 1615
Delta R.T. -0.24 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion:142 Resp: 39672
Ion Ratio Lower Upper
142 100
141 88.9 75.7 113.5
116 4.8 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

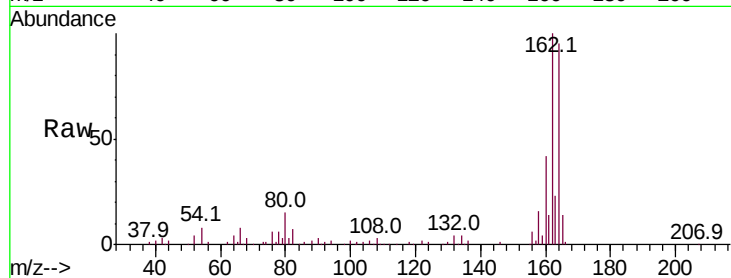
Tot Ion:164 Resp: 94286

Ion Ratio Lower Upper

164 100

162 105.3 83.0 124.4

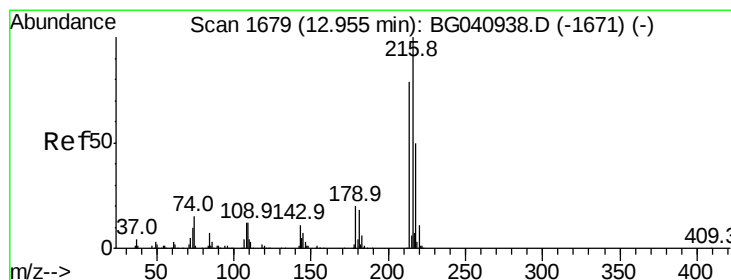
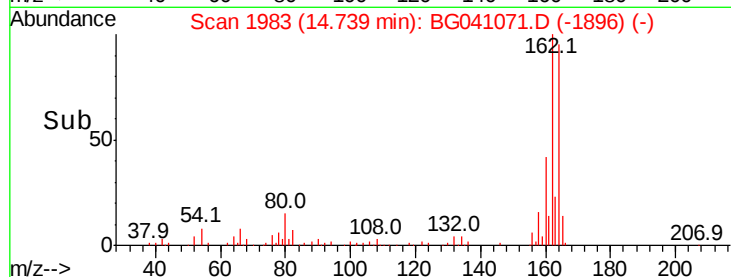
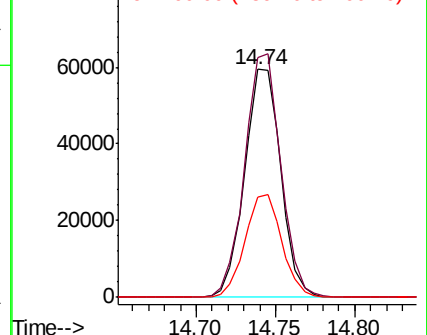
160 43.7 35.6 53.4



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: 7.759 ng

RT: 12.94 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:216 Resp: 29487

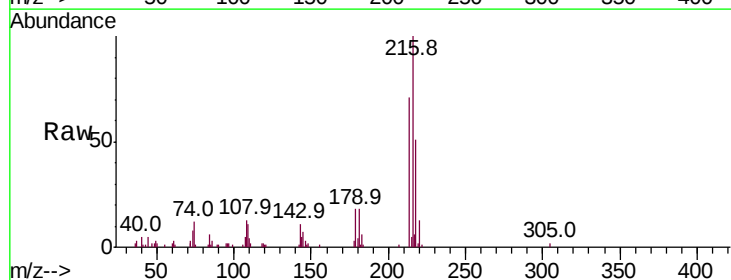
Ion Ratio Lower Upper

216 100

214 77.7 63.4 95.2

179 18.9 15.2 22.8

108 15.4 11.4 17.2

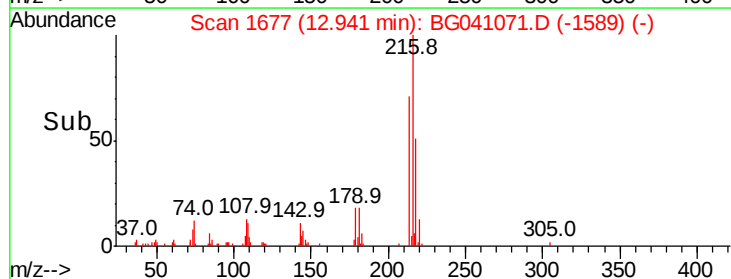
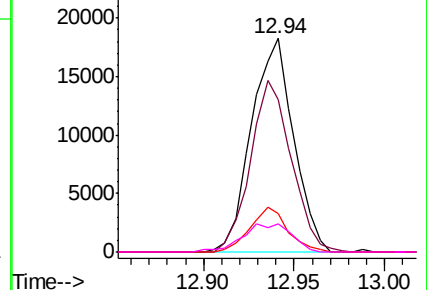


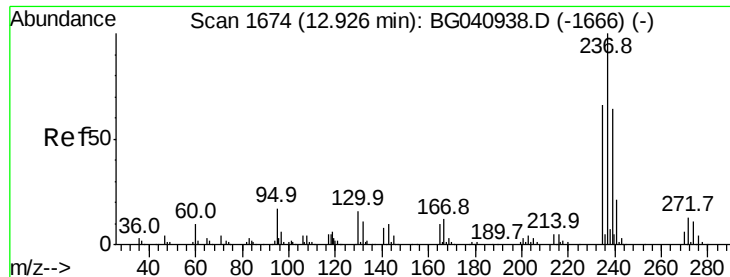
Abundance Ion 216.00 (215.70 to 216.70): E

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: 13.201 ng

RT: 12.91 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

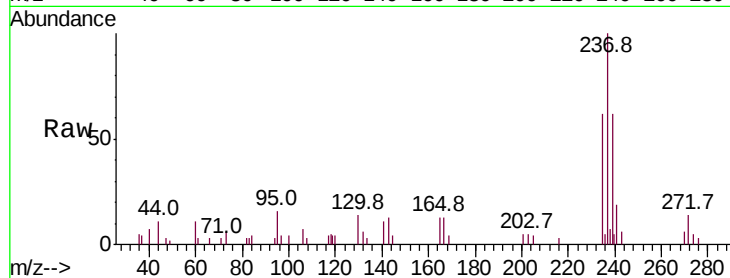
Tot Ion:237 Resp: 11307

Ion Ratio Lower Upper

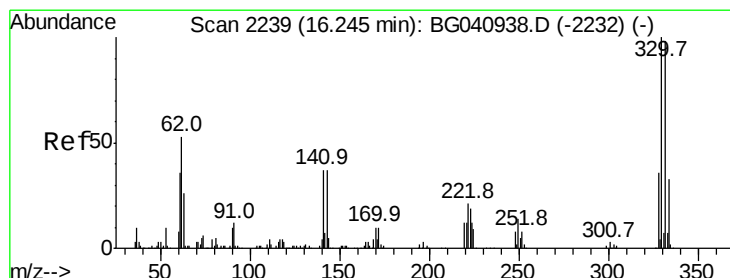
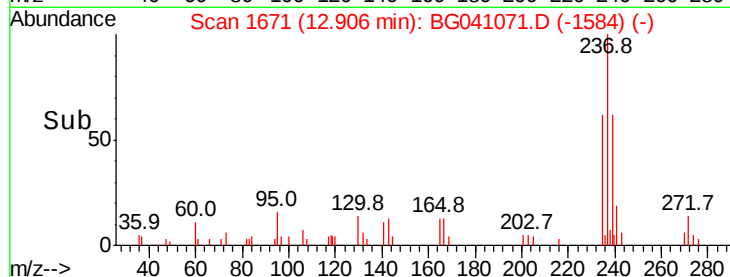
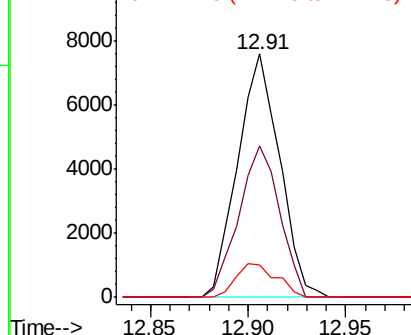
237 100

235 62.1 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: 123.653 ng

RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

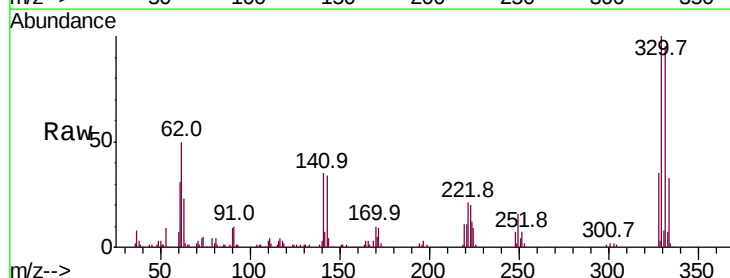
Tgt Ion:330 Resp: 173082

Ion Ratio Lower Upper

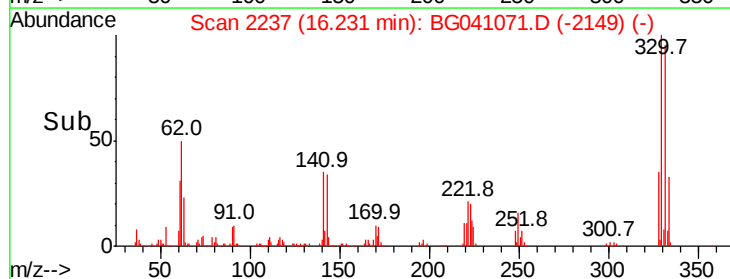
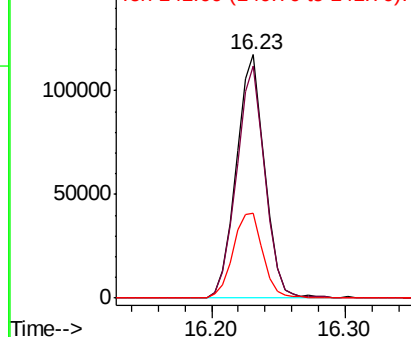
330 100

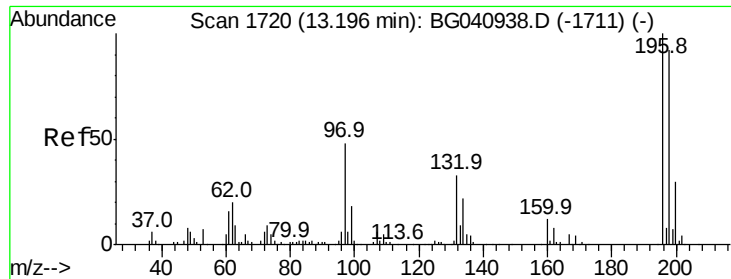
332 95.3 78.5 117.7

141 36.9 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

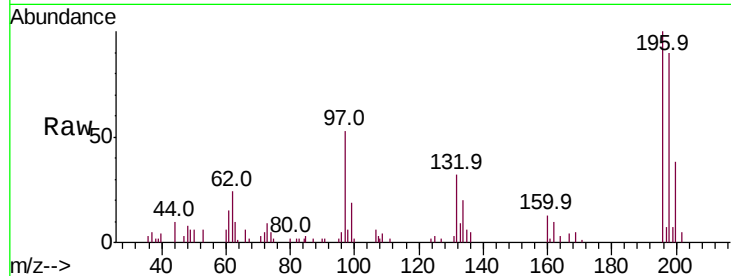




#43
 2,4,6-Trichlorophenol
 Concen: 7.200 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	90.2	73.8	110.6
200	37.6	24.1	36.1#

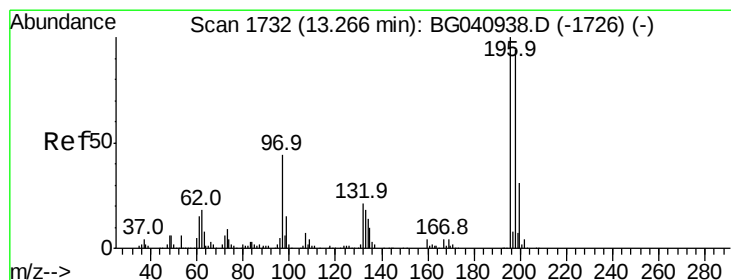
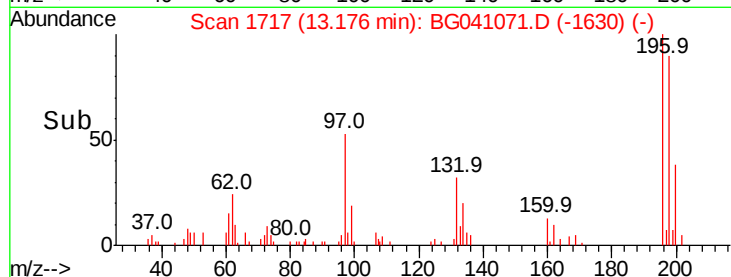
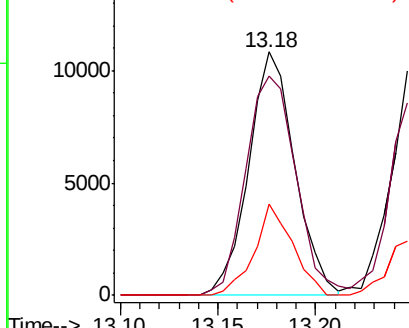


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 7.459 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
196	100		
198	71.0	75.1	112.7#
97	33.1	35.6	53.4#
132	20.1	16.7	25.1

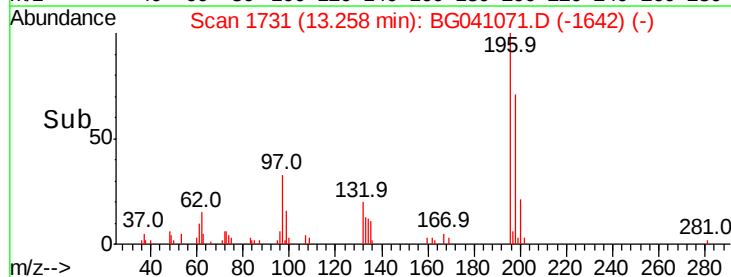
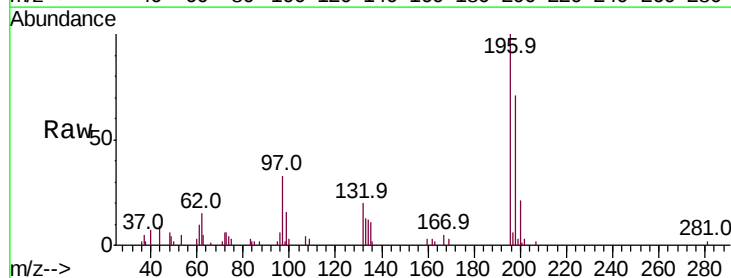
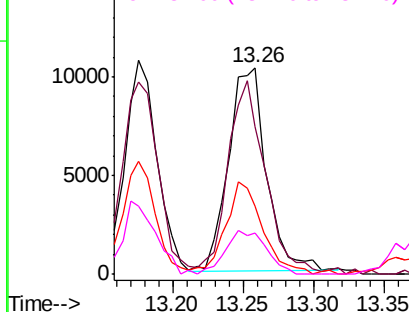
Abundance

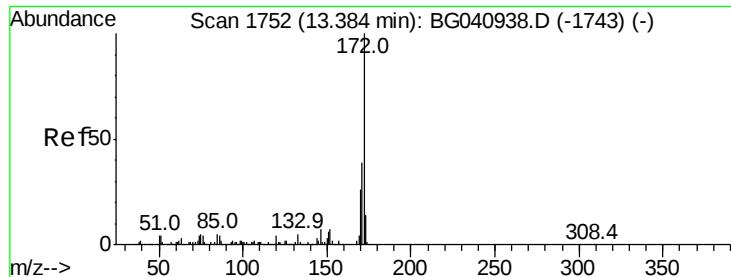
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

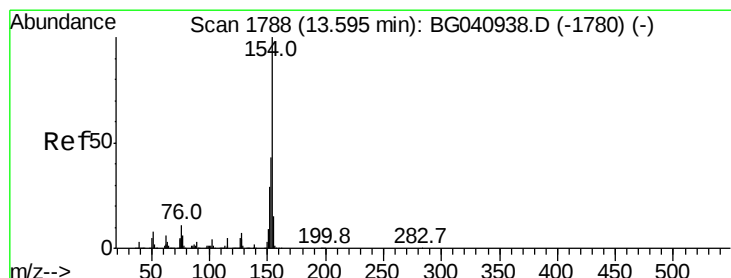
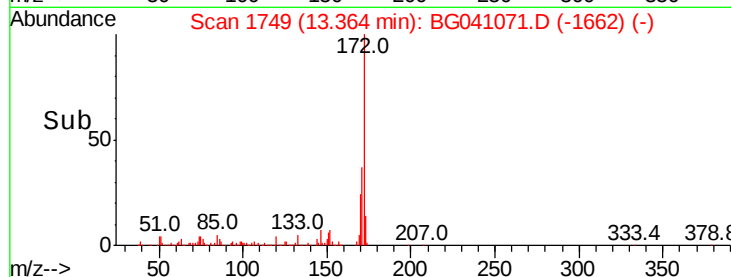
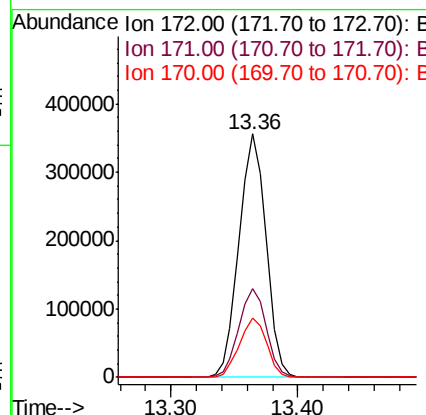
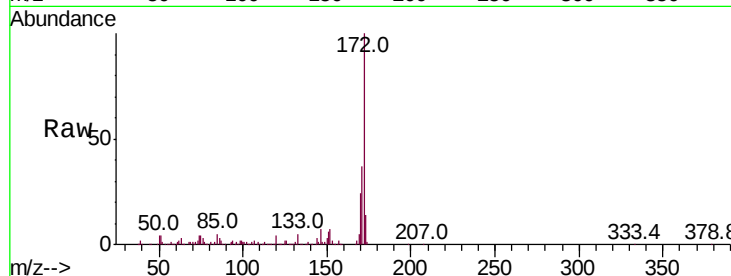




#45
2-Fluorobiphenyl
Concen: 80.155 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

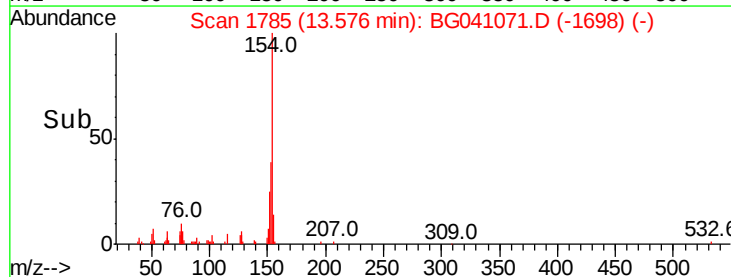
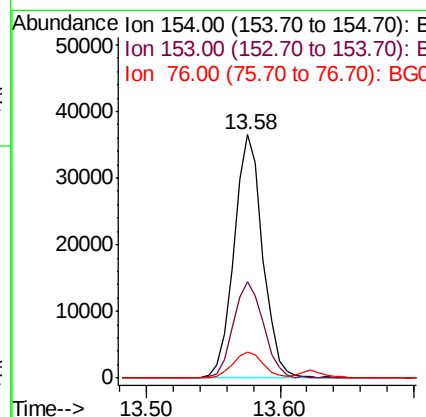
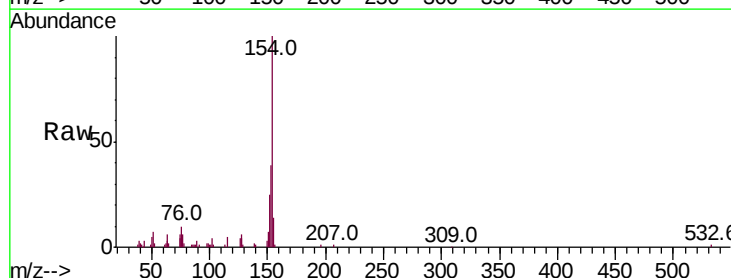
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

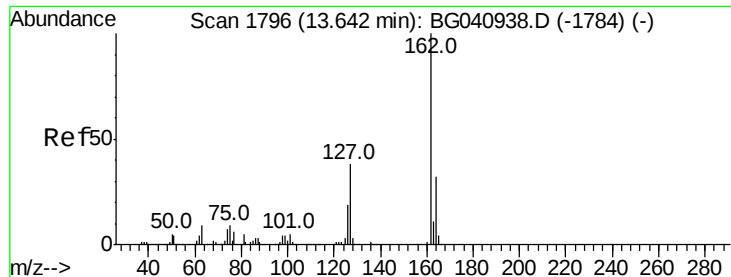
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.1	46.7
170	24.4	20.5	30.7



#46
1,1'-Biphenyl
Concen: 7.816 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.3	23.3	63.3
76	10.4	0.0	31.1

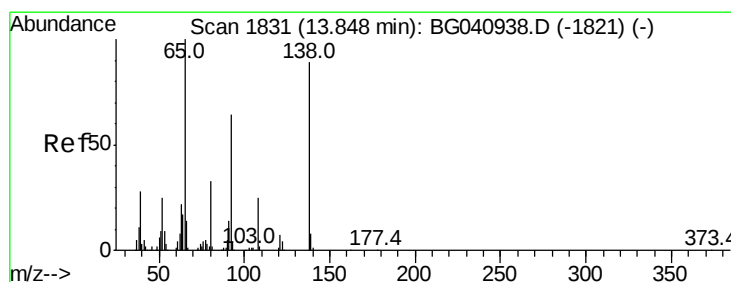
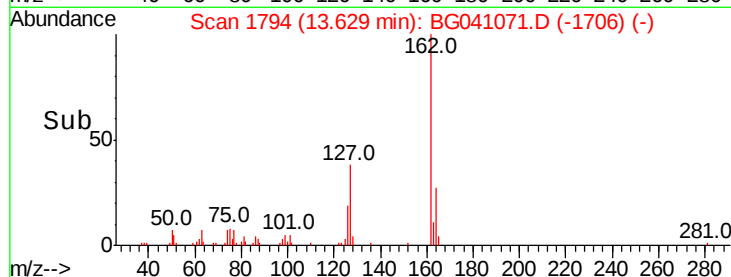
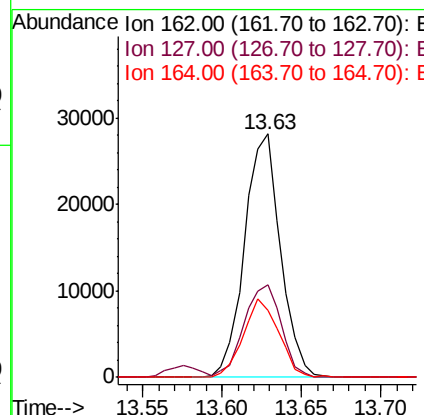
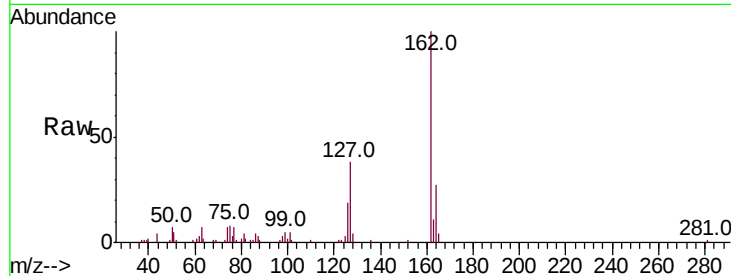




#47
2-Chloronaphthalene
Concen: 7.369 ng
RT: 13.63 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

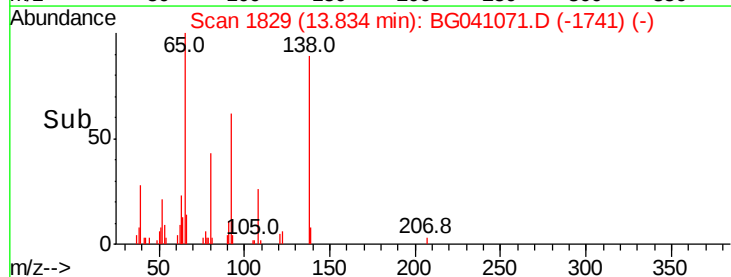
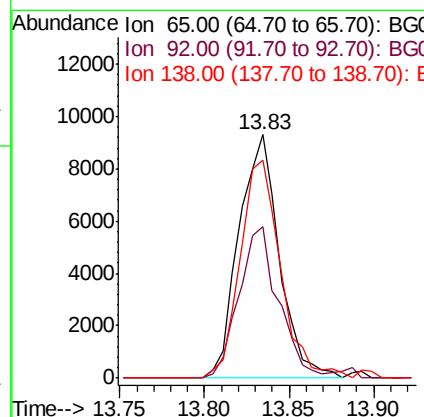
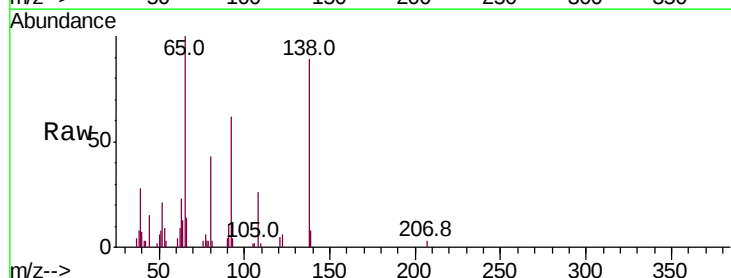
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

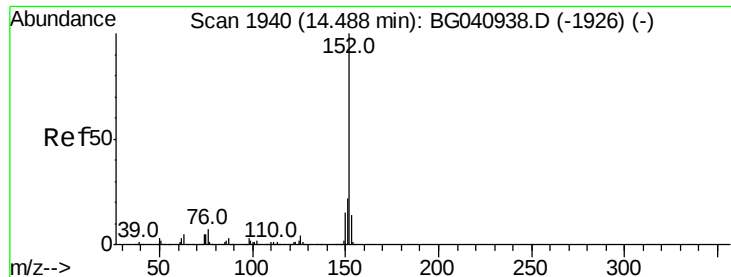
Tot Ion	Ratio	Lower	Upper
162	100		
127	38.1	30.5	45.7
164	27.4	25.8	38.6



#48
2-Nitroaniline
Concen: 7.195 ng
RT: 13.83 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.4	51.0	76.6
138	89.3	71.2	106.8





#49

Acenaphthylene

Concen: 7.937 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

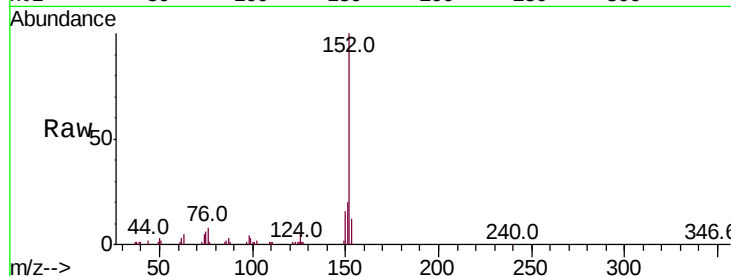
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:152 Resp: 71575

Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.4	26.0
153	12.5	11.0	16.4

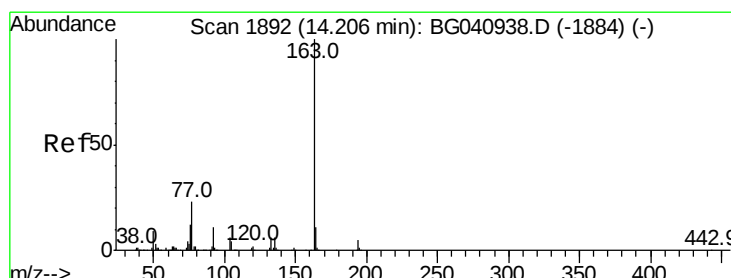
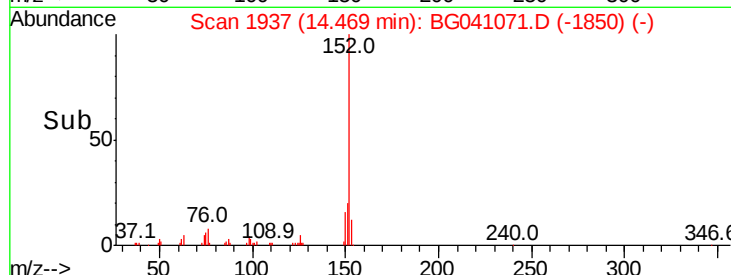
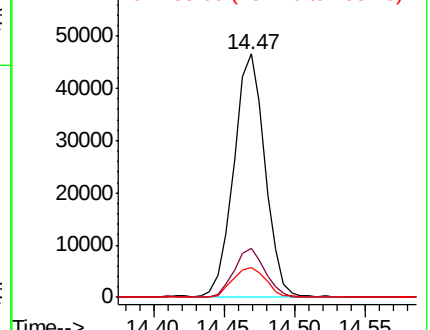


Abundance

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: 7.179 ng

RT: 14.19 min Scan# 1889

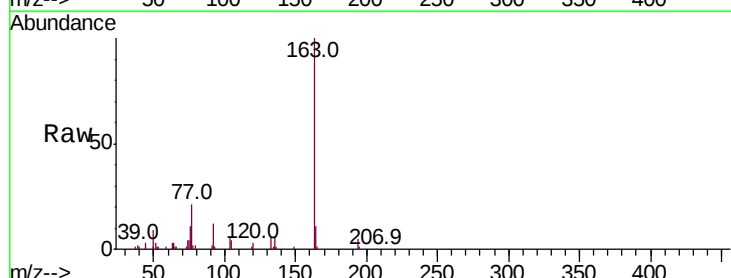
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:163 Resp: 57302

Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.8	5.8
164	11.0	8.7	13.1

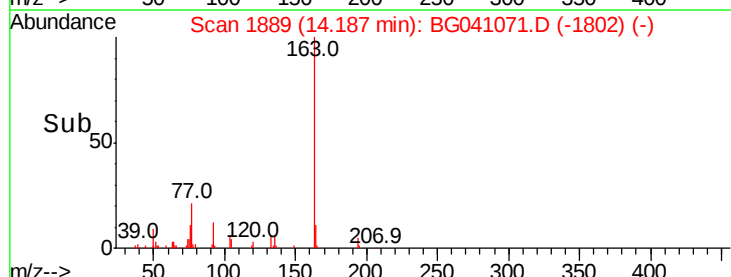
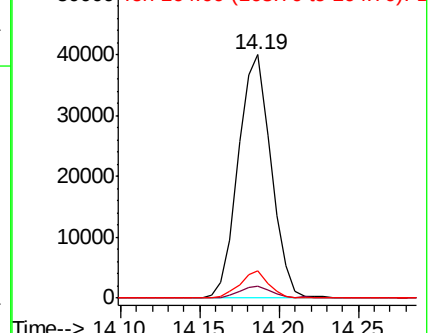


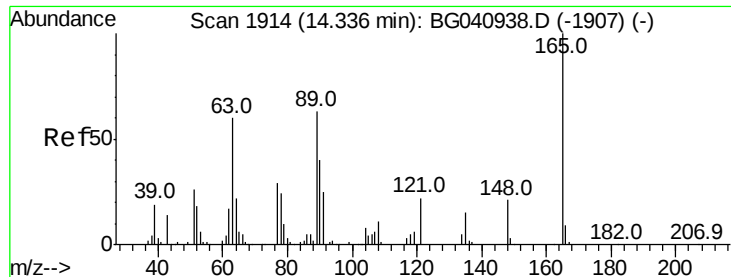
Abundance

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: 7.182 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

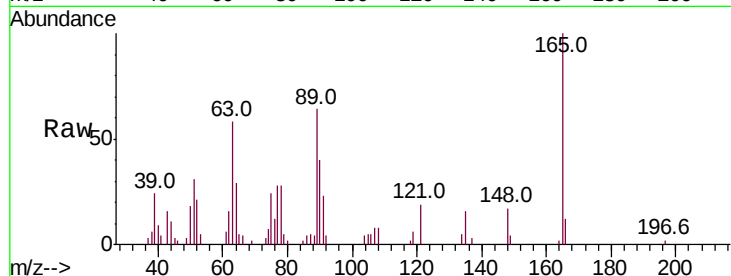
Tot Ion:165 Resp: 12359

Ion Ratio Lower Upper

165 100

63 57.5 53.6 80.4

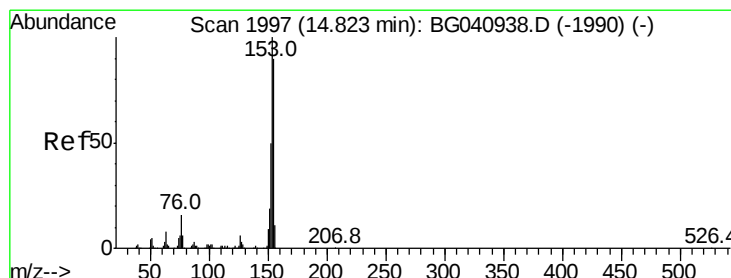
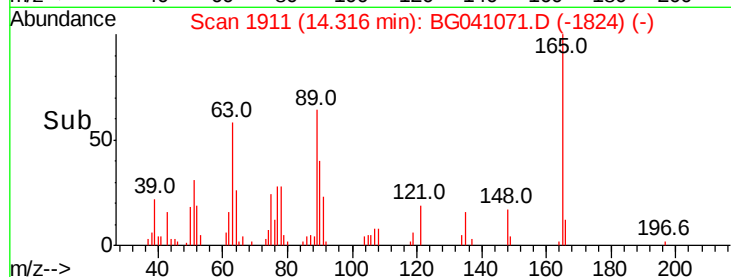
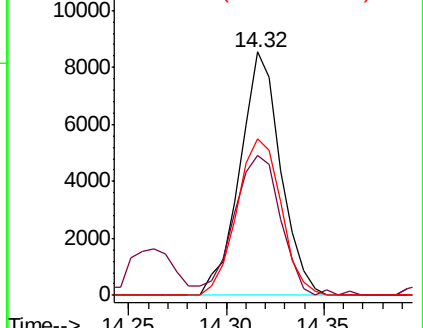
89 64.1 50.4 75.6



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: 7.170 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

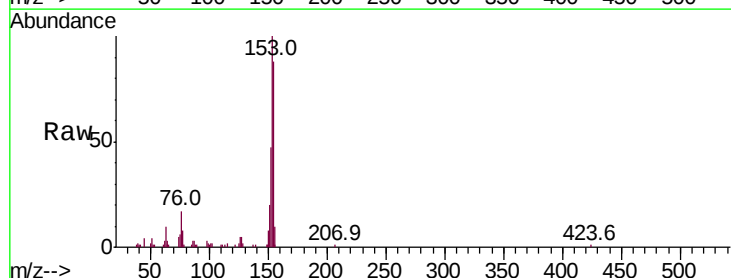
Tgt Ion:154 Resp: 39167

Ion Ratio Lower Upper

154 100

153 113.7 88.6 133.0

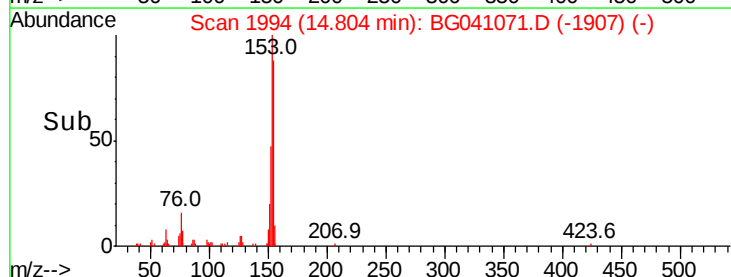
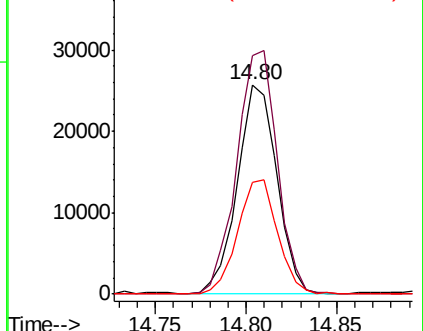
152 53.0 44.2 66.4

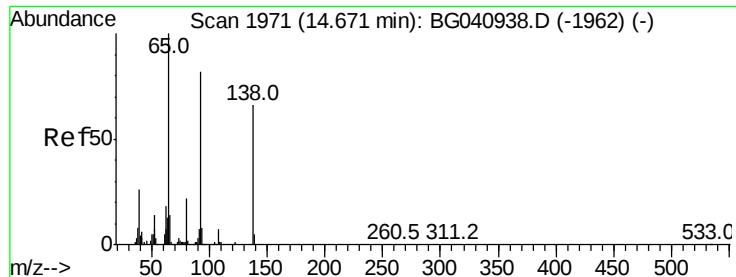


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

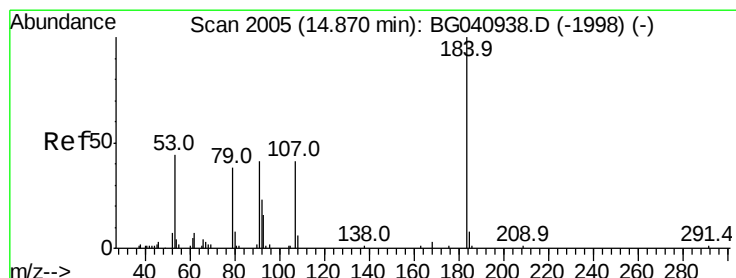
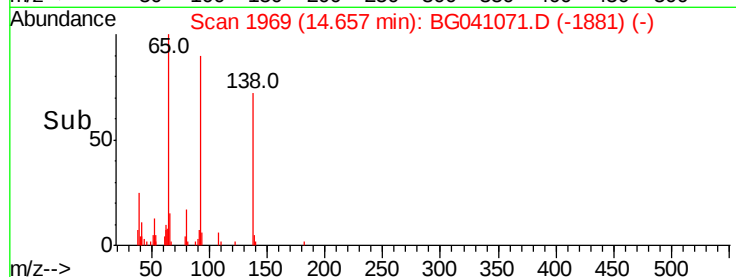
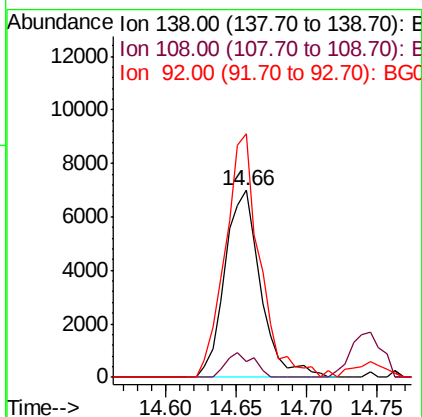
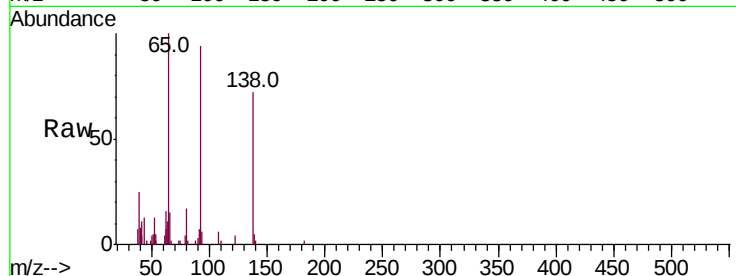




#53
3-Nitroaniline
Concen: 7.151 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

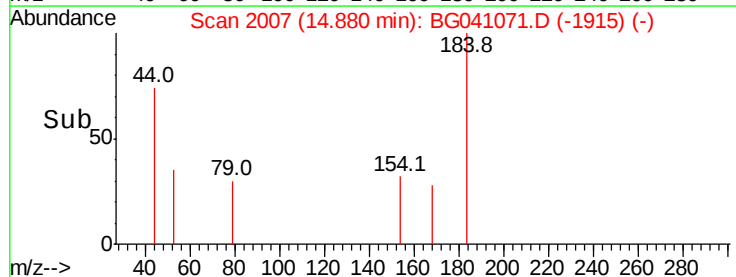
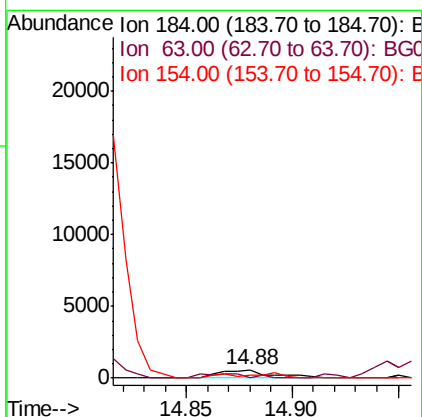
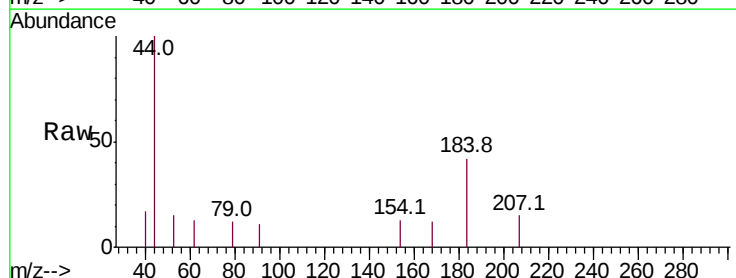
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:138 Resp: 12305
Ion Ratio Lower Upper
138 100
108 8.2 8.5 12.7#
92 130.2 99.0 148.6



#54
2,4-Dinitrophenol
Concen: 9.632 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion:184 Resp: 983
Ion Ratio Lower Upper
184 100
63 0.0 49.8 74.6#
154 32.3 52.2 78.4#

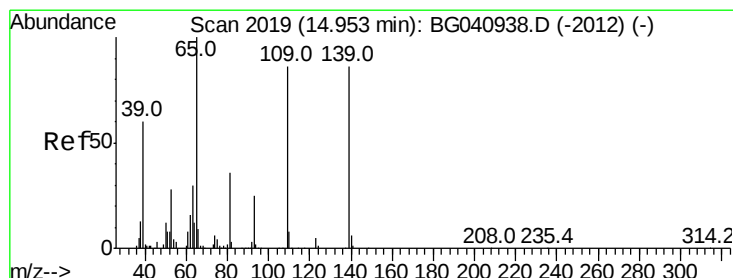
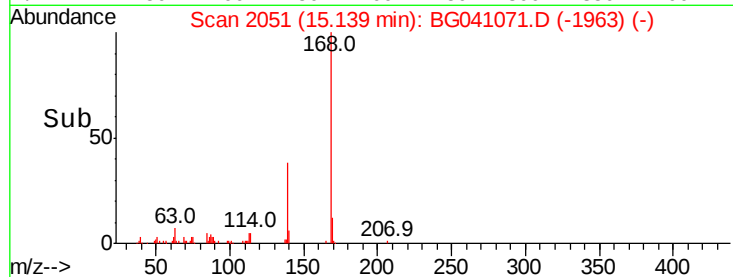
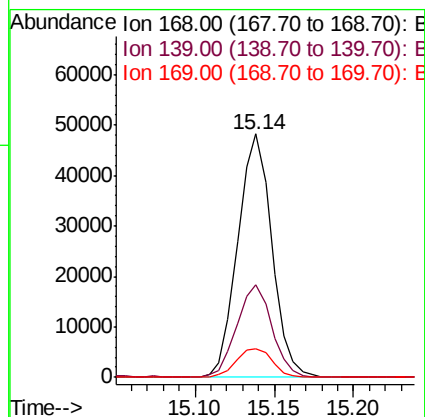
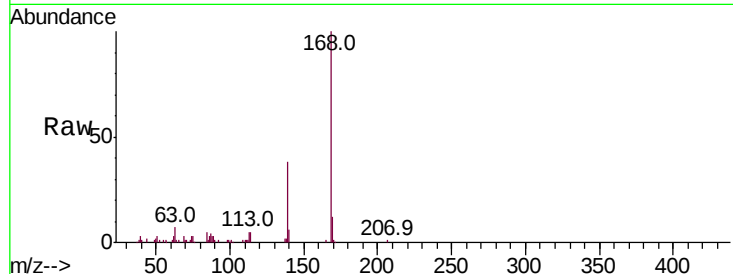




#55
Dibenzofuran
Concen: 7.829 ng
RT: 15.14 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

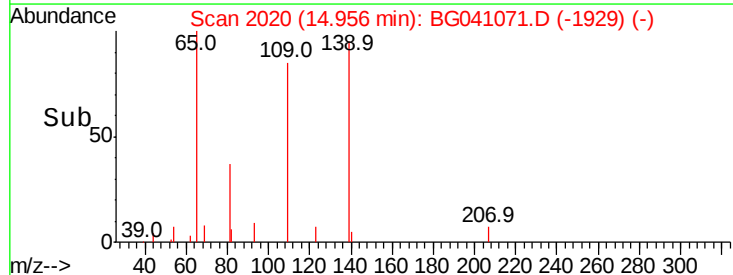
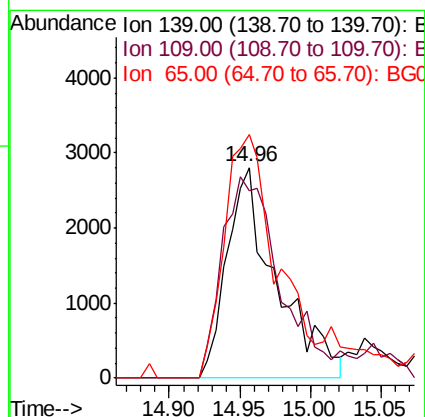
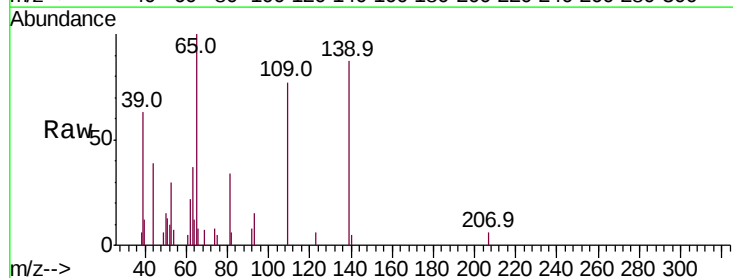
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

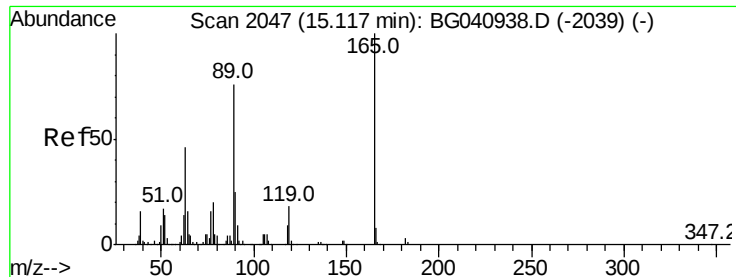
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	32.8	49.2
169	11.8	11.3	16.9



#56
4-Nitrophenol
Concen: 5.816 ng
RT: 14.96 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	88.8	79.6	119.6
65	115.4	96.9	136.9

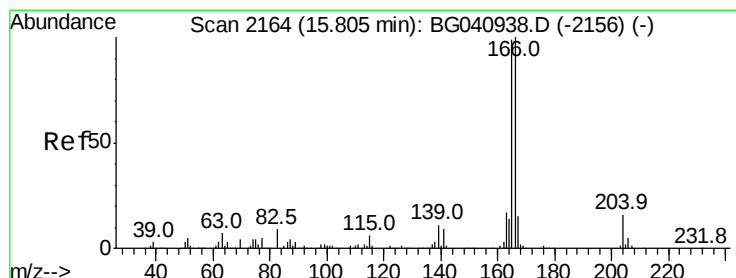
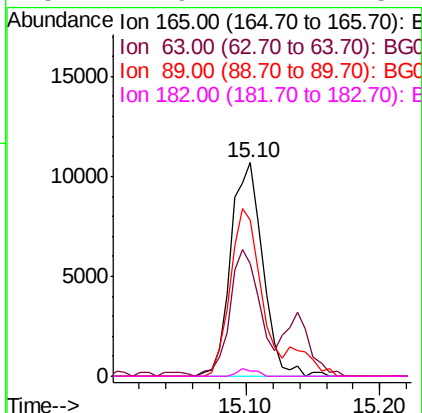
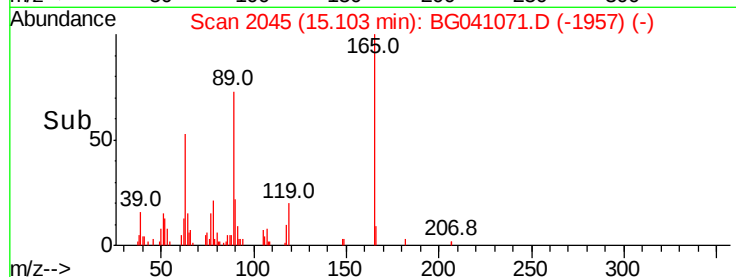
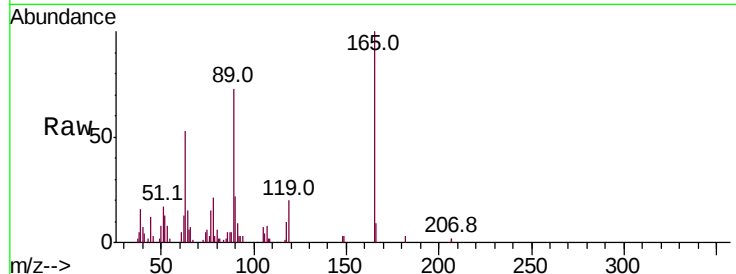




#57
2,4-Dinitrotoluene
Concen: 7.290 ng
RT: 15.10 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

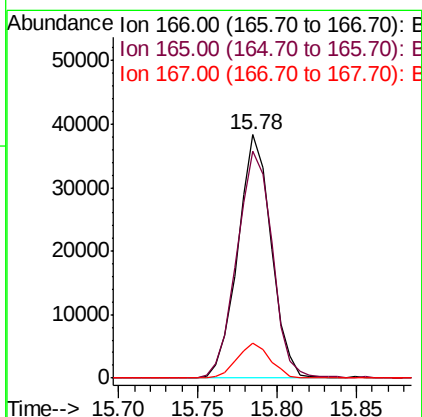
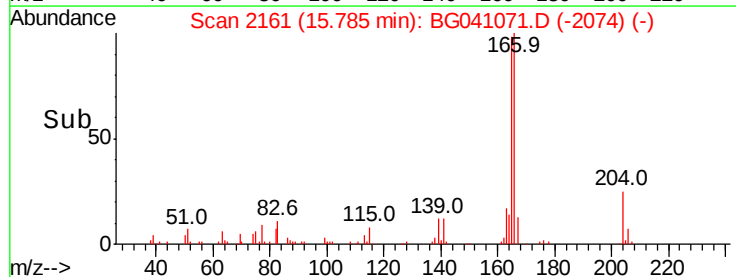
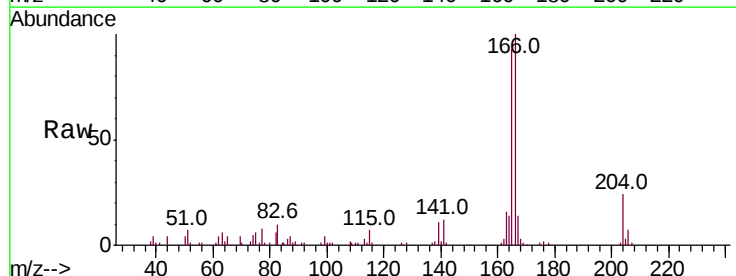
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

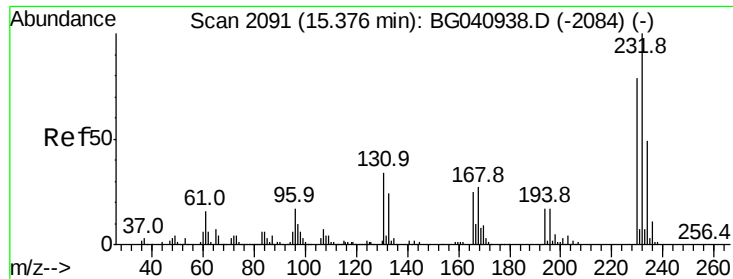
Tot Ion:165 Resp: 17721
Ion Ratio Lower Upper
165 100
63 53.0 37.3 55.9
89 72.9 61.0 91.6
182 2.6 2.2 3.2



#58
Fluorene
Concen: 7.643 ng
RT: 15.78 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion:166 Resp: 55953
Ion Ratio Lower Upper
166 100
165 93.2 79.2 118.8
167 14.1 11.8 17.6

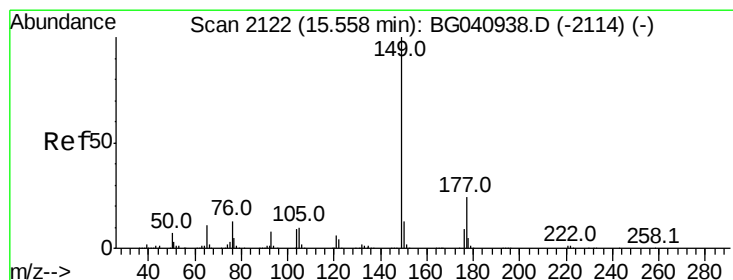
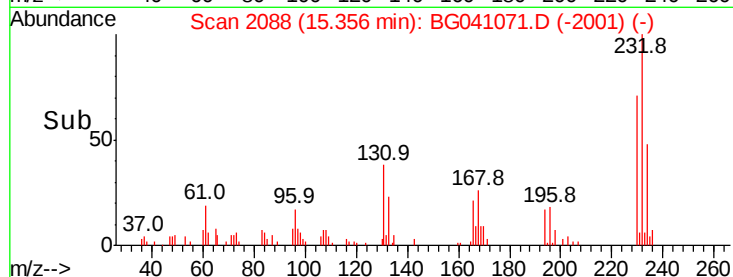
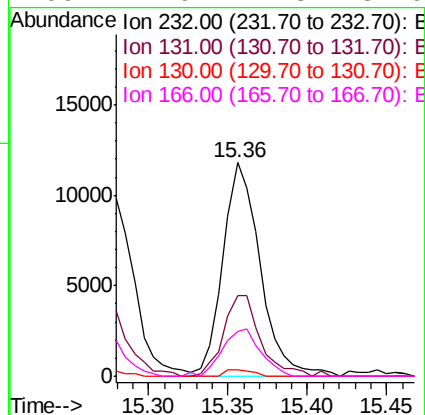
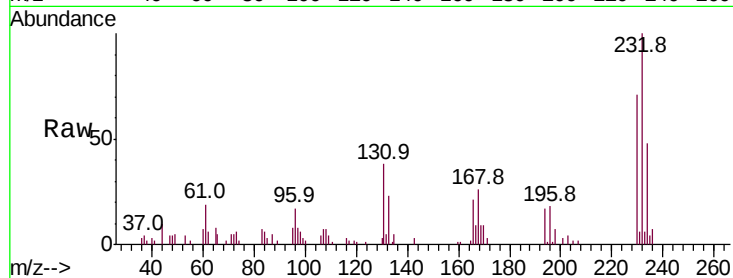




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.569 ng
 RT: 15.36 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

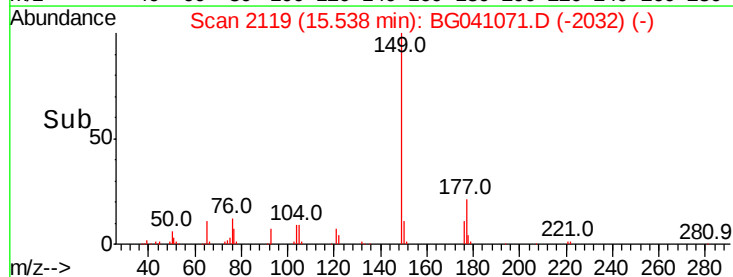
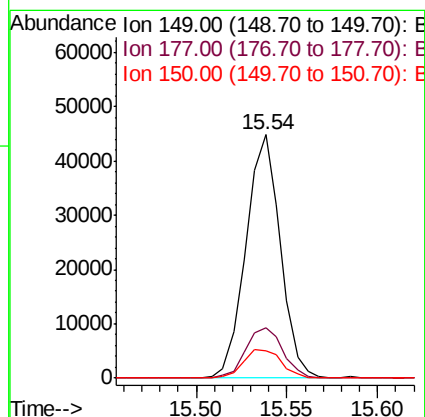
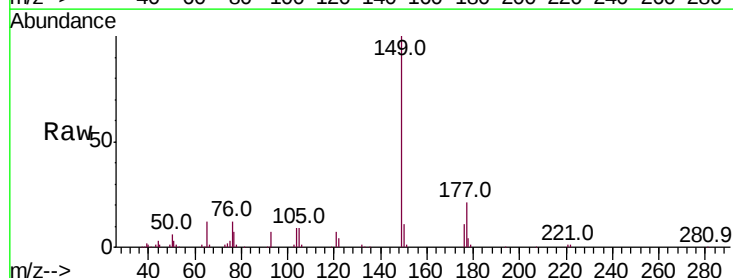
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

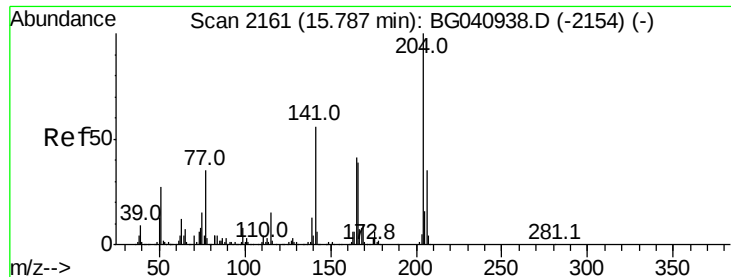
Tot Ion:	232	Resp:	19286
Ion	Ratio	Lower	Upper
232	100		
131	37.6	30.3	45.5
130	2.2	1.8	2.8
166	22.6	21.3	31.9



#60
 Diethylphthalate
 Concen: 7.230 ng
 RT: 15.54 min Scan# 2119
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Tgt Ion:	149	Resp:	58886
Ion	Ratio	Lower	Upper
149	100		
177	20.8	19.4	29.0
150	11.0	10.3	15.5





#61

4-Chlorophenyl-phenylether

Concen: 7.226 ng

RT: 15.77 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

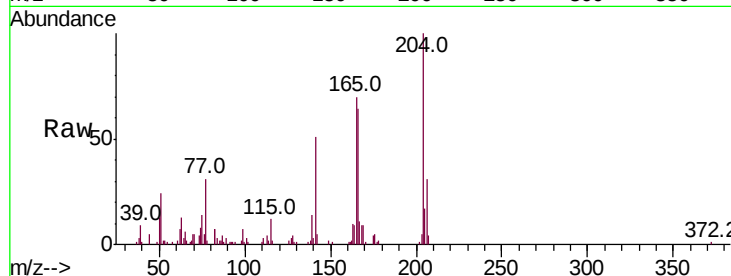
Tot Ion:204 Resp: 34383

Ion Ratio Lower Upper

204 100

206 30.7 27.6 41.4

141 50.9 45.1 67.7

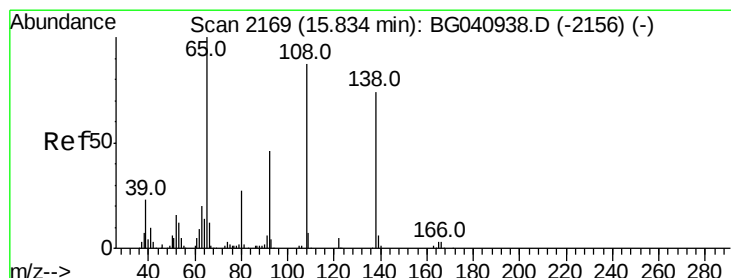
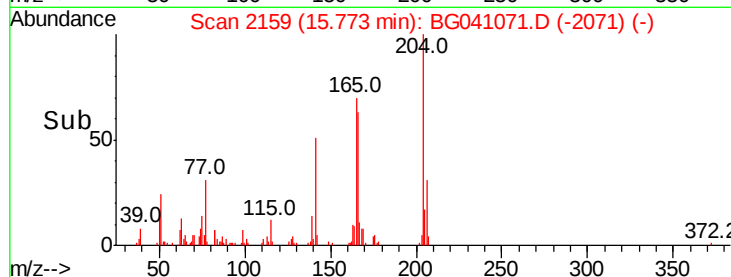
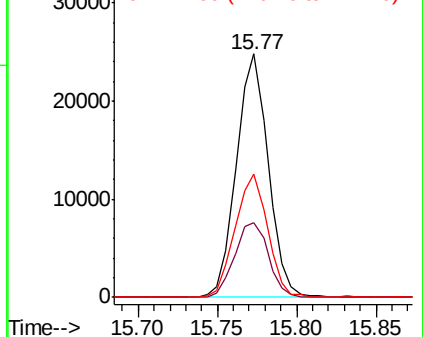


Abundance

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: 7.264 ng

RT: 15.81 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

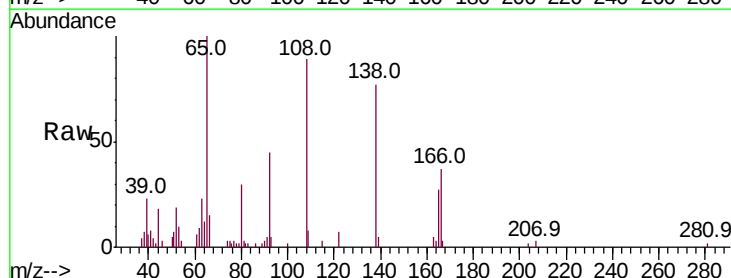
Tgt Ion:138 Resp: 13233

Ion Ratio Lower Upper

138 100

92 59.2 42.4 82.4

108 116.7 96.9 136.9

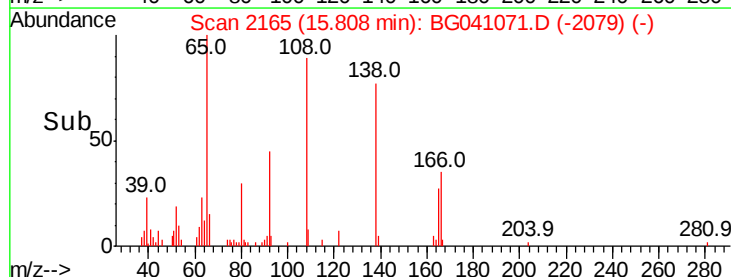
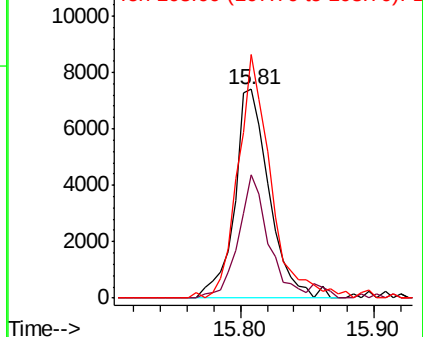


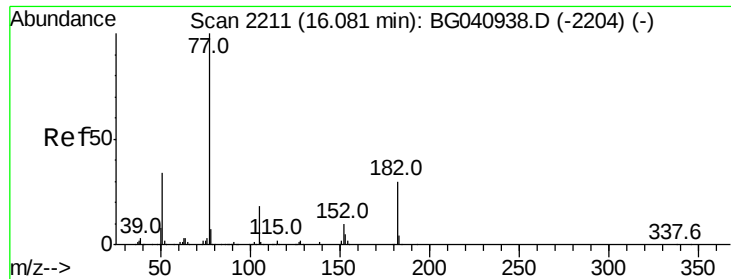
Abundance

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: 7.590 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 77 Resp: 56189

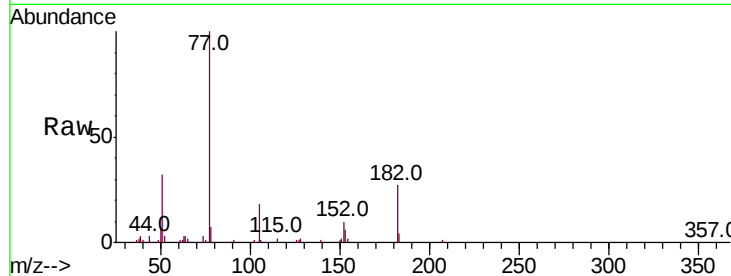
Ion Ratio Lower Upper

77 100

182 26.5 9.6 49.6

105 18.2 0.0 37.5

51 31.6 13.7 53.7

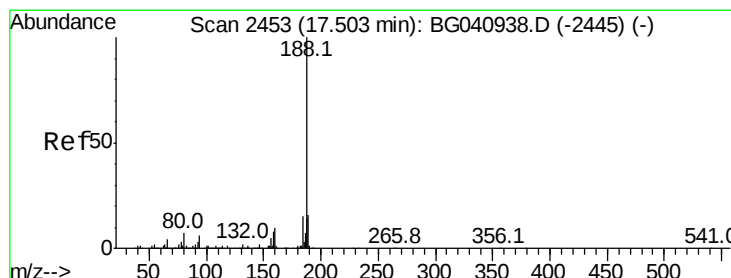
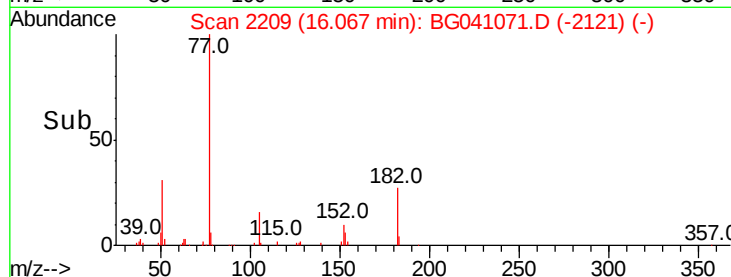
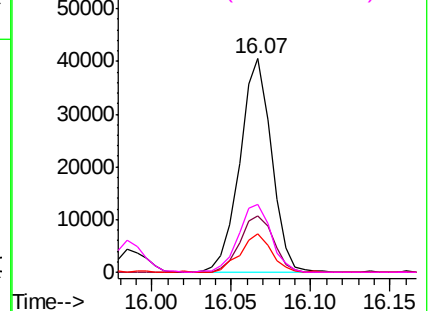


Abundance Ion 77.00 (76.70 to 77.70): BG040938.D (-2204) (-)

Ion 182.00 (181.70 to 182.70): BG040938.D (-2204) (-)

Ion 105.00 (104.70 to 105.70): BG040938.D (-2204) (-)

Ion 51.00 (50.70 to 51.70): BG040938.D (-2204) (-)



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

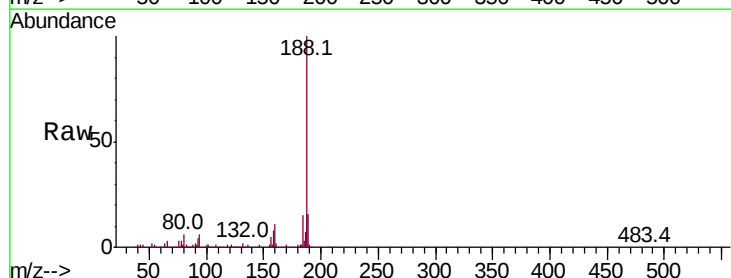
Tgt Ion: 188 Resp: 246814

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

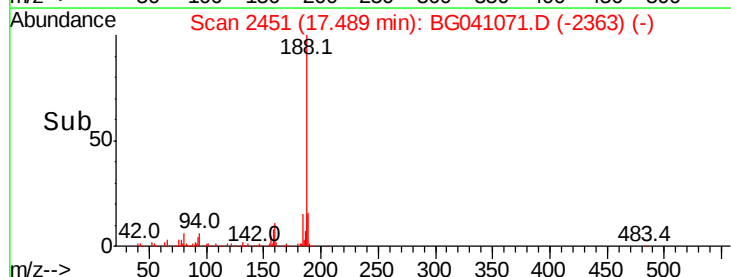
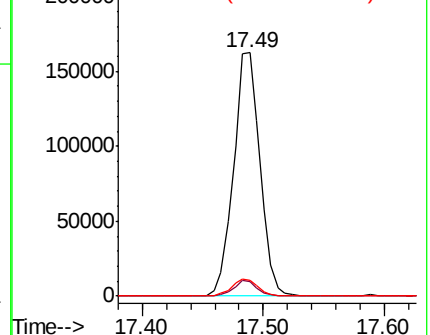
80 6.3 5.8 8.8

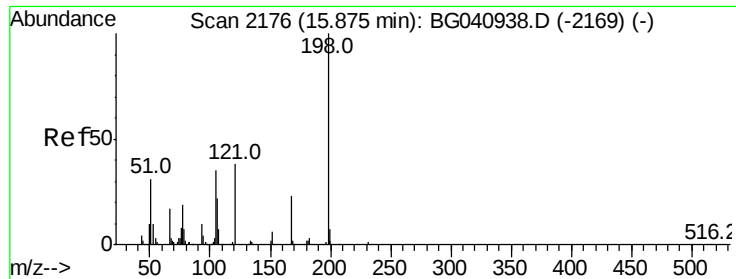


Abundance Ion 188.00 (187.70 to 188.70): BG040938.D (-2445) (-)

Ion 94.00 (93.70 to 94.70): BG040938.D (-2445) (-)

Ion 80.00 (79.70 to 80.70): BG040938.D (-2445) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 12.180 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

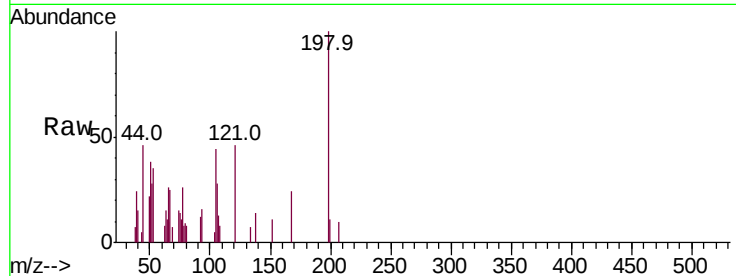
Tot Ion:198 Resp: 5783

Ion Ratio Lower Upper

198 100

51 38.2 21.6 61.6

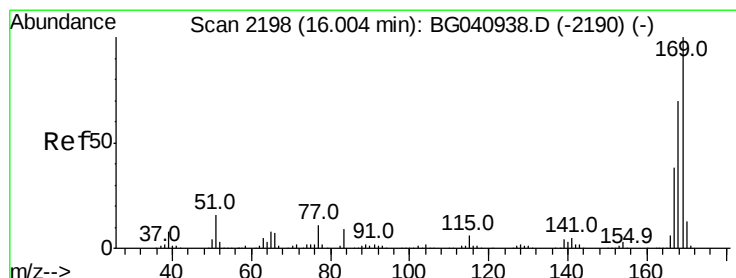
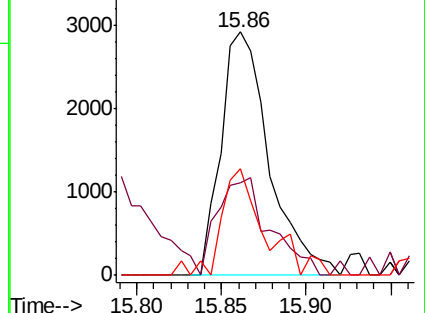
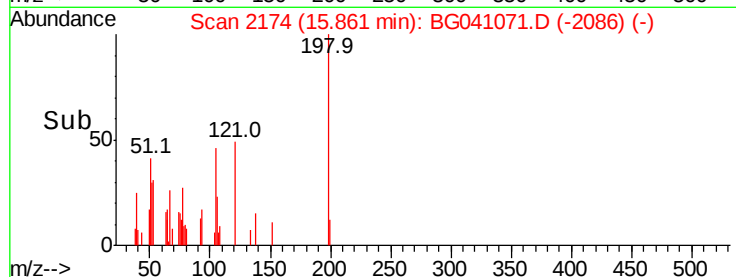
105 43.6 17.5 57.5



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: 7.253 ng

RT: 15.99 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

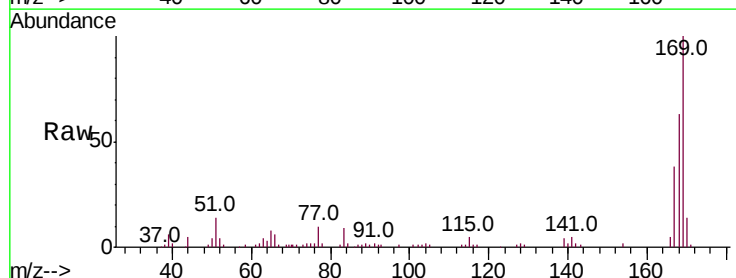
Tgt Ion:169 Resp: 50322

Ion Ratio Lower Upper

169 100

168 63.3 55.7 83.5

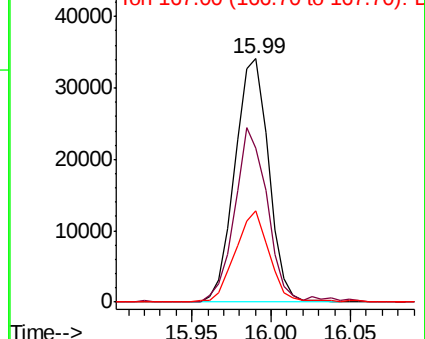
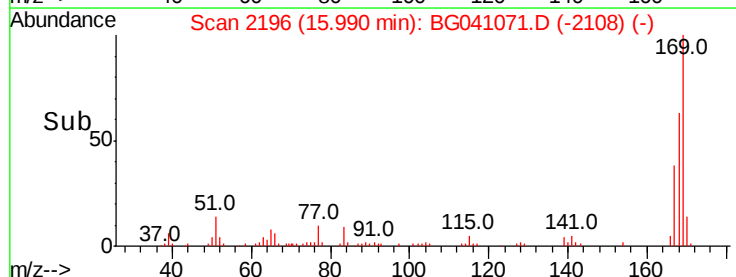
167 37.5 30.2 45.2

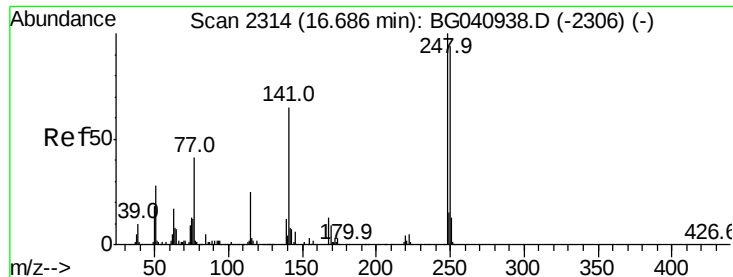


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 6.685 ng

RT: 16.67 min Scan# 2311

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

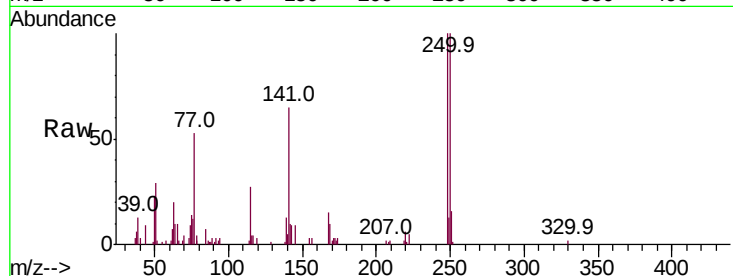
Tot Ion:248 Resp: 22267

Ion	Ratio	Lower	Upper
248	100		
250	99.8	75.0	112.4
141	65.1	52.4	78.6

248 100

250 99.8 75.0 112.4

141 65.1 52.4 78.6

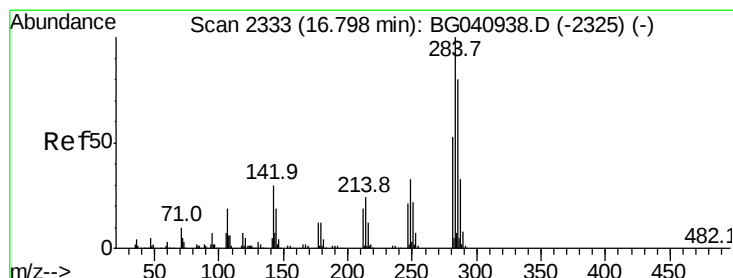
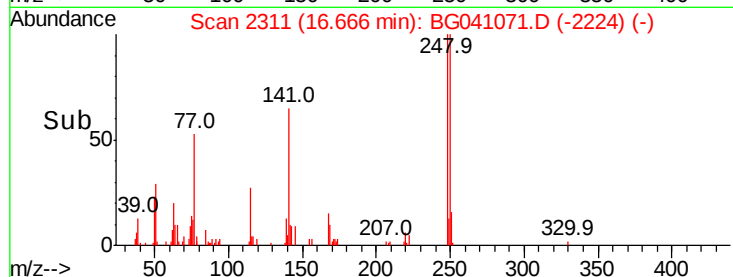
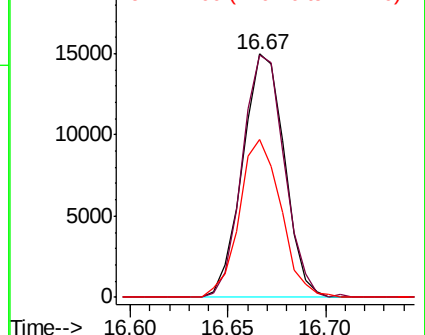


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 6.533 ng

RT: 16.78 min Scan# 2330

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

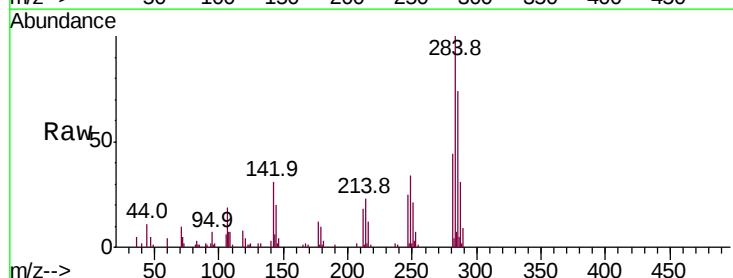
Tgt Ion:284 Resp: 23172

Ion	Ratio	Lower	Upper
284	100		
142	30.7	23.9	35.9
249	33.6	26.8	40.2

284 100

142 30.7 23.9 35.9

249 33.6 26.8 40.2

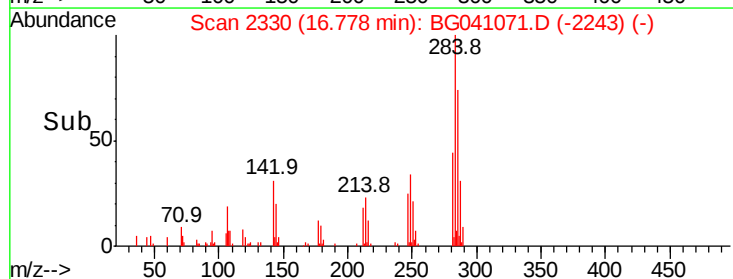
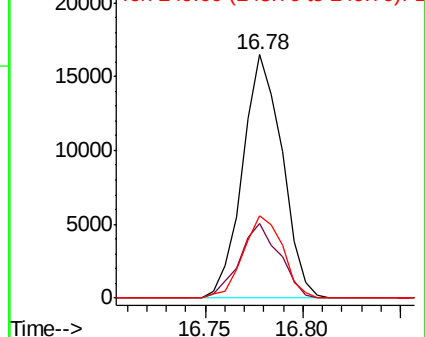


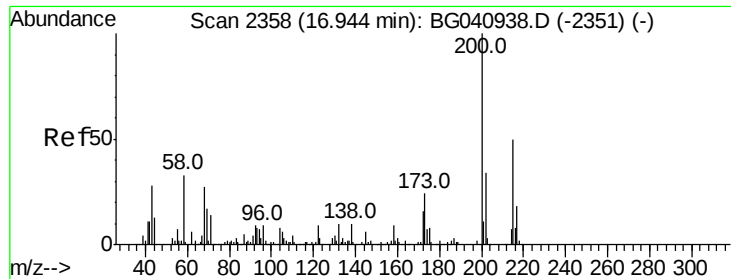
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

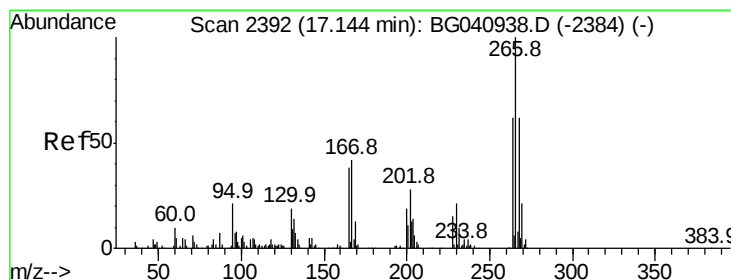
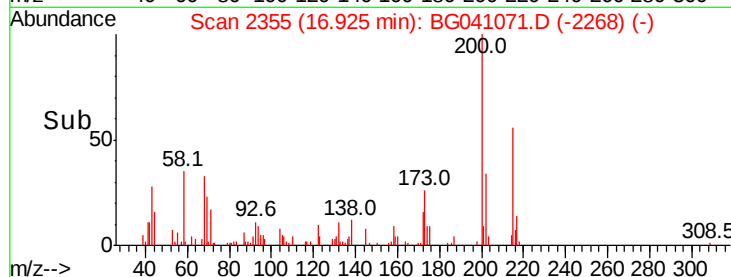
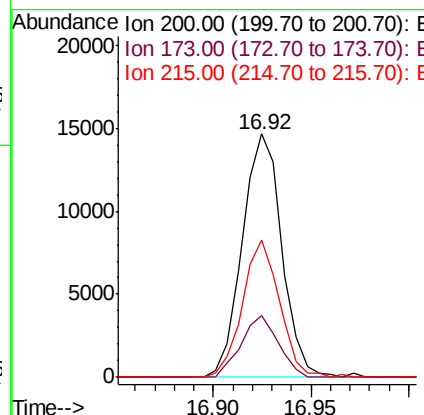
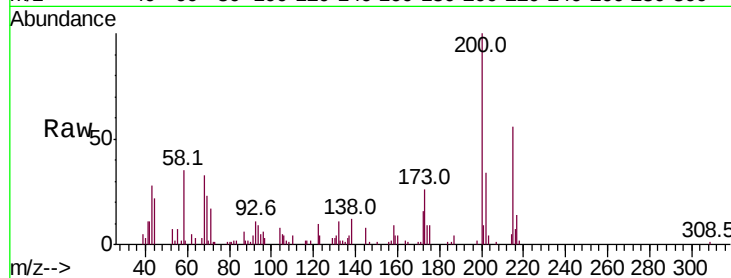




#69
Atrazine
Concen: 7.657 ng
RT: 16.92 min Scan# 2355
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

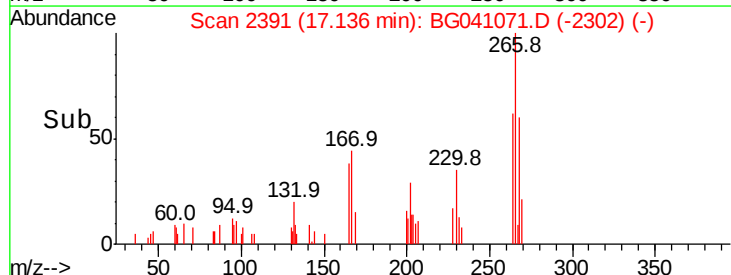
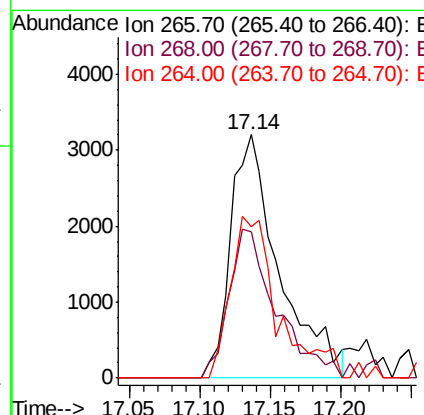
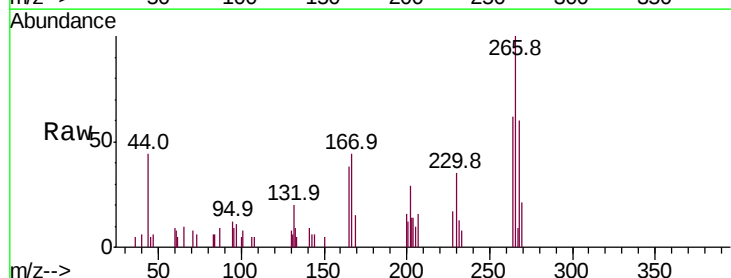
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

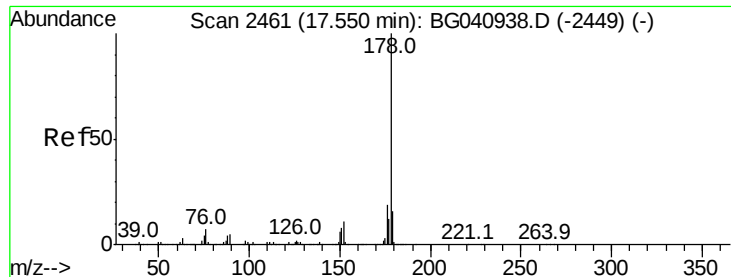
Tot Ion	Ratio	Lower	Upper
200	100		
173	25.5	3.6	43.6
215	56.5	29.6	69.6



#70
Pentachlorophenol
Concen: 8.083 ng
RT: 17.14 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.0	53.1	79.7
264	62.4	49.9	74.9

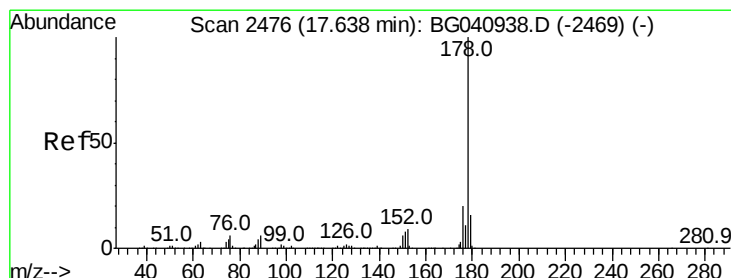
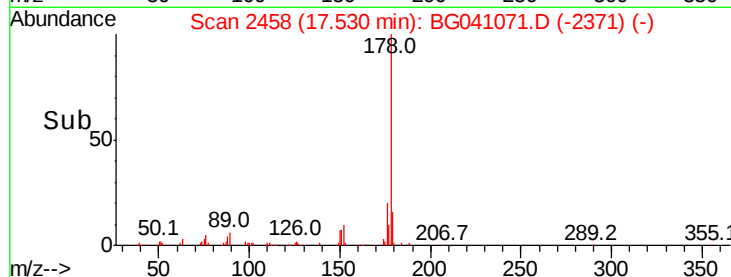
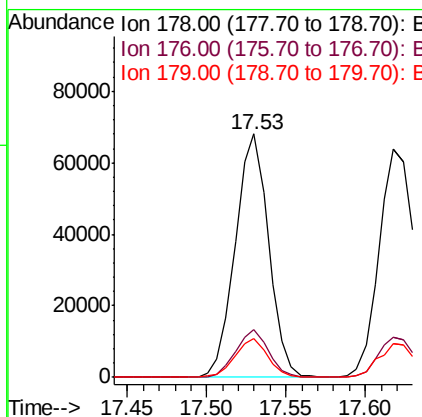
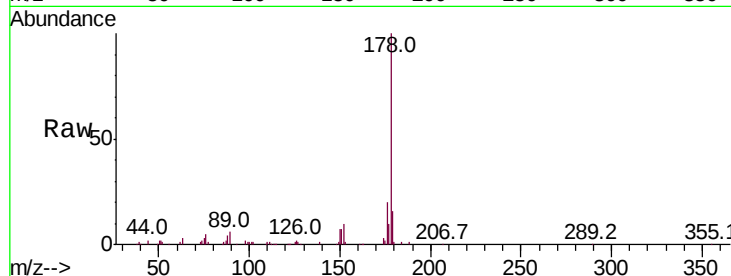




#71
Phenanthrene
Concen: 7.709 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

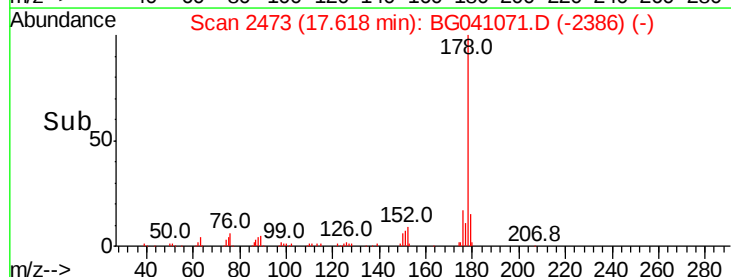
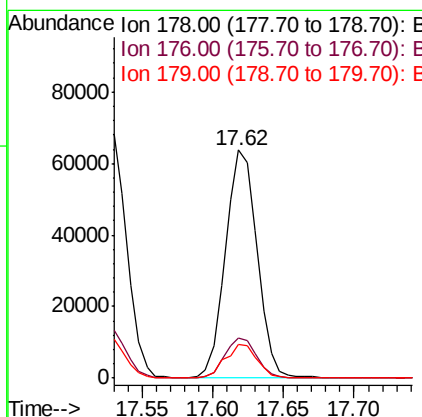
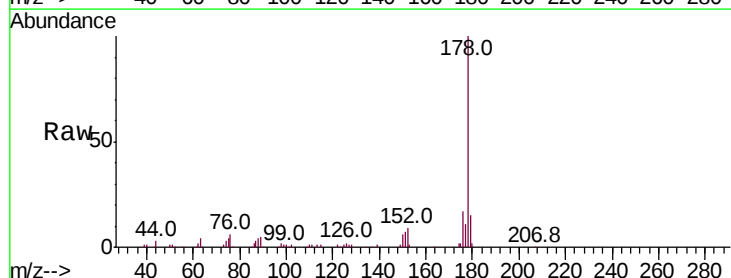
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

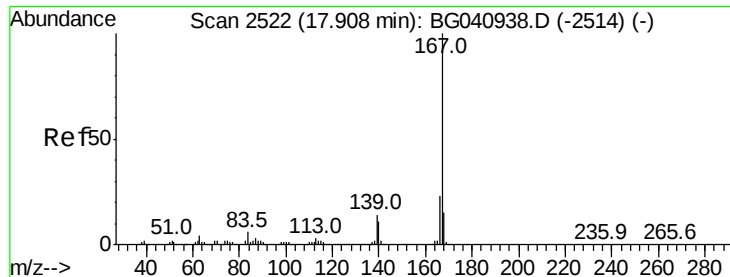
Tot Ion:178 Resp: 99102
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 16.1 12.7 19.1



#72
Anthracene
Concen: 7.862 ng
RT: 17.62 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion:178 Resp: 99687
Ion Ratio Lower Upper
178 100
176 17.4 15.6 23.4
179 14.8 13.0 19.4





#73

Carbazole

Concen: 8.086 ng

RT: 17.89 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

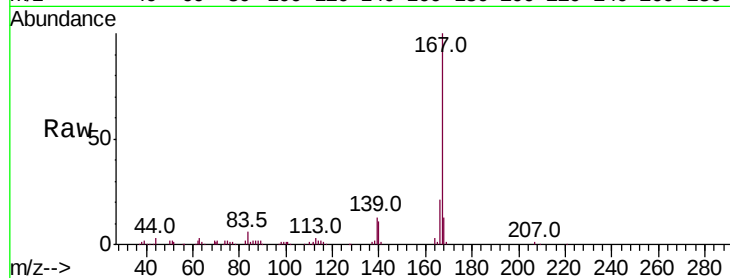
Tot Ion:167 Resp: 87973

Ion Ratio Lower Upper

167 100

166 20.8 18.2 27.4

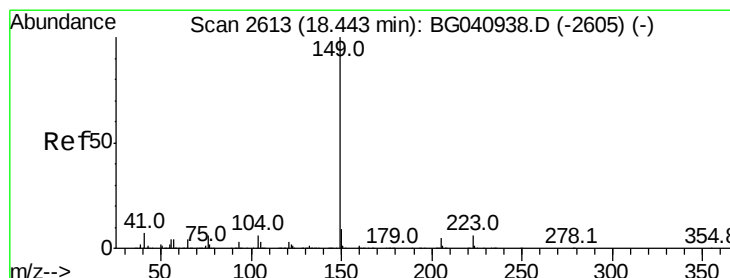
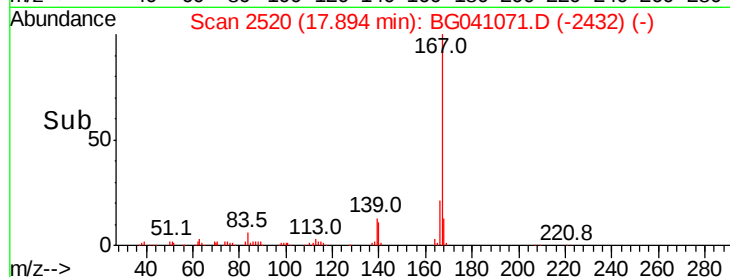
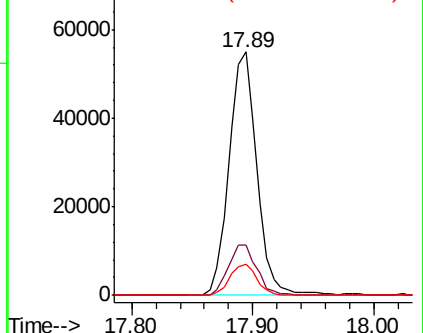
139 13.0 10.8 16.2



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: 7.326 ng

RT: 18.42 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

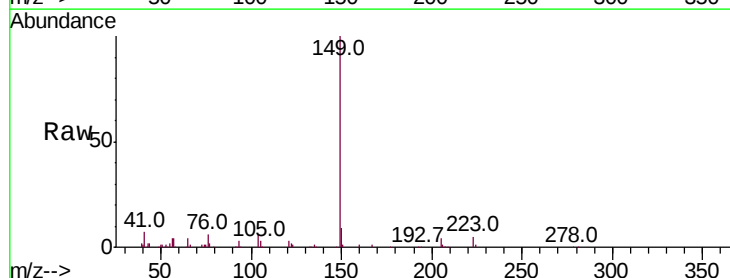
Tgt Ion:149 Resp: 99059

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

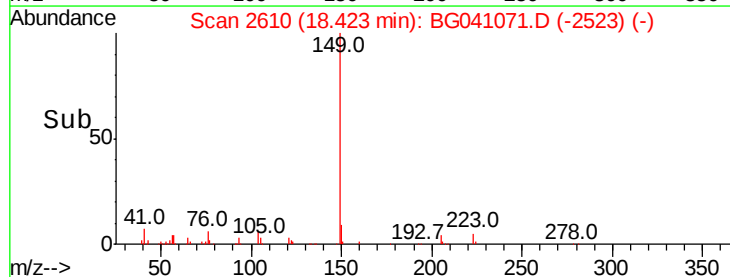
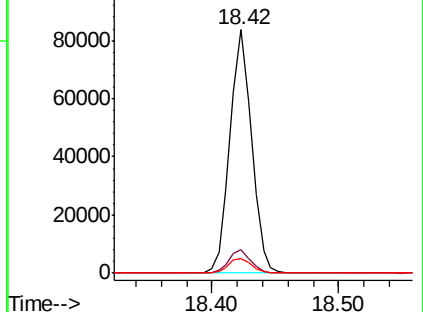
104 6.1 5.0 7.4

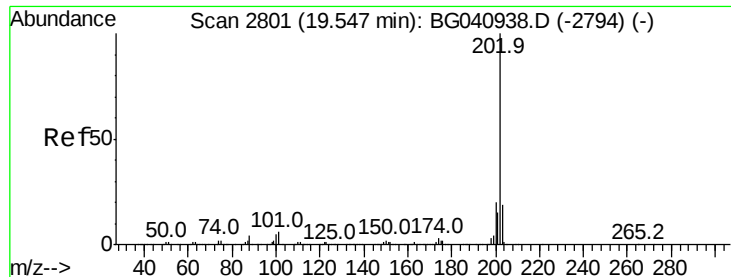


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.521 ng

RT: 19.53 min Scan# 2799

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

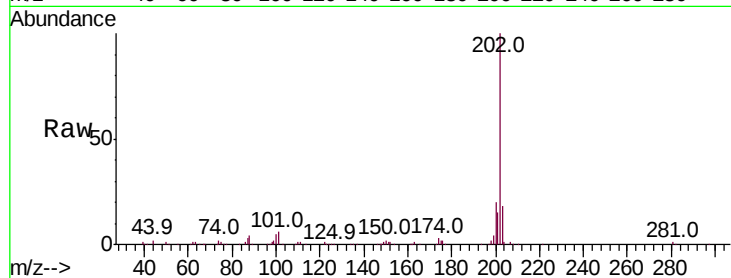
Tot Ion:202 Resp: 135303

Ion Ratio Lower Upper

202 100

101 5.6 0.0 26.2

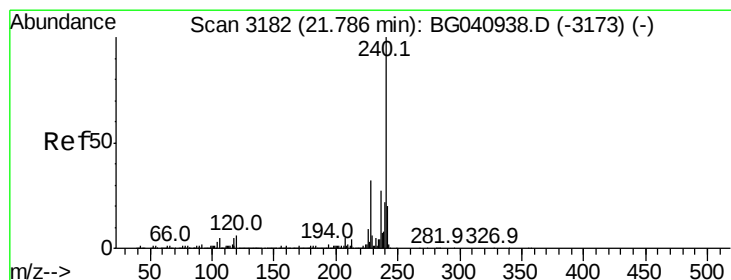
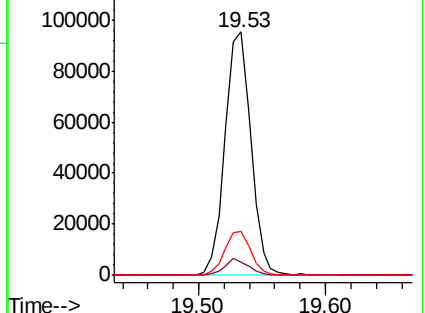
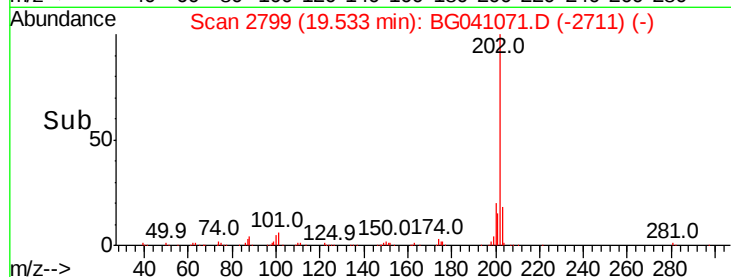
203 17.9 0.0 38.7



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: 21.76 min Scan# 3178

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

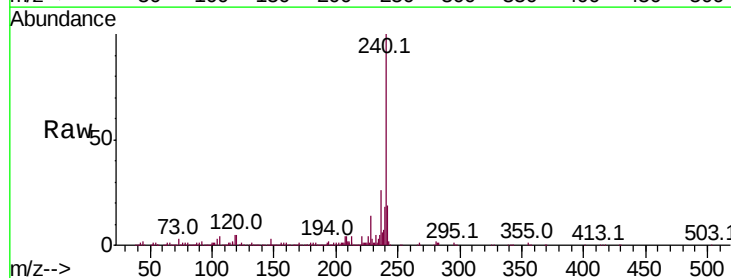
Tgt Ion:240 Resp: 285941

Ion Ratio Lower Upper

240 100

120 4.9 4.5 6.7

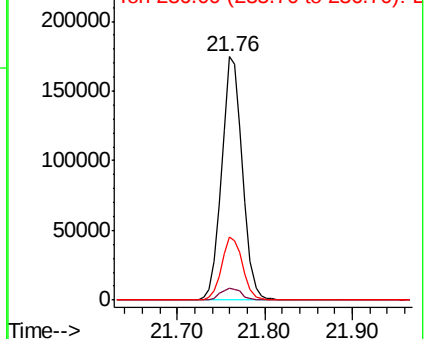
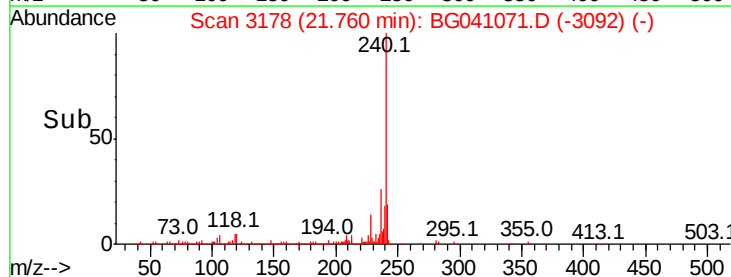
236 26.2 21.3 31.9

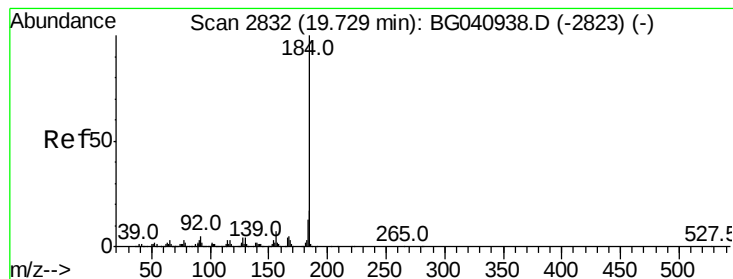


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.710 ng

RT: 19.72 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

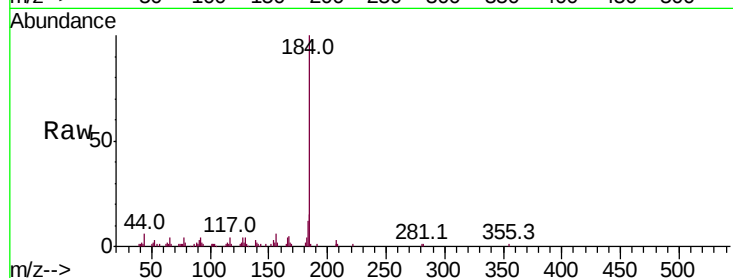
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:184 Resp: 59416

Ion	Ratio	Lower	Upper
184	100		
185	14.7	13.3	19.9
183	12.1	10.7	16.1

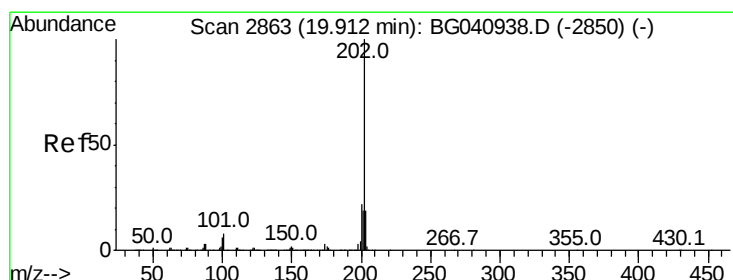
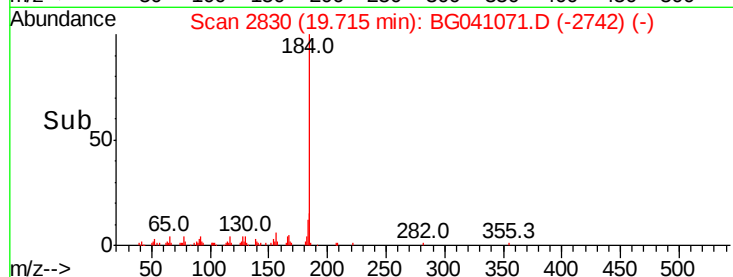
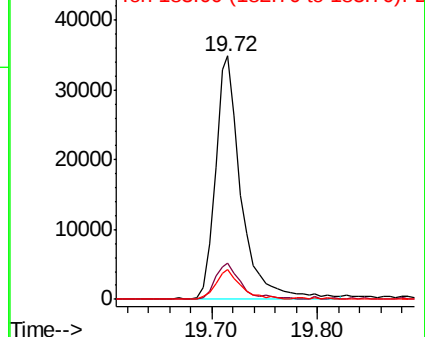


Abundance

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: 7.422 ng

RT: 19.89 min Scan# 2860

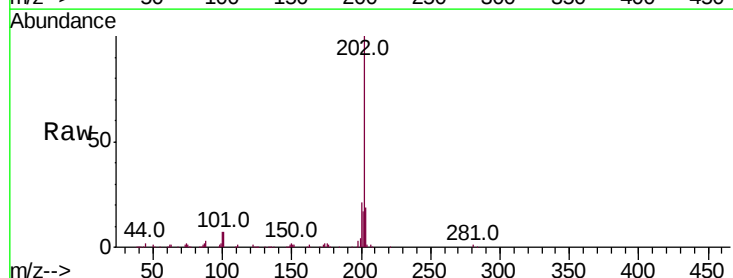
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:202 Resp: 137960

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.5	26.3
203	18.9	15.6	23.4

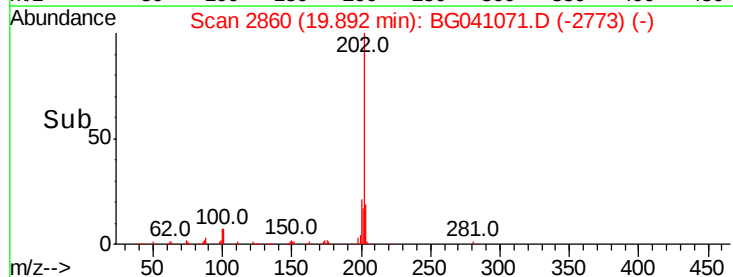
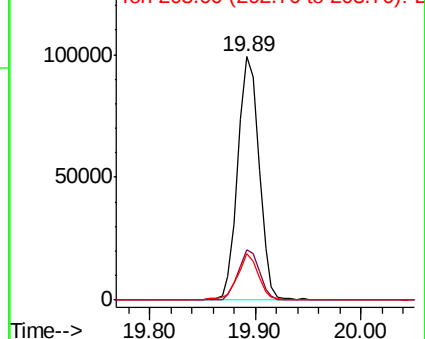


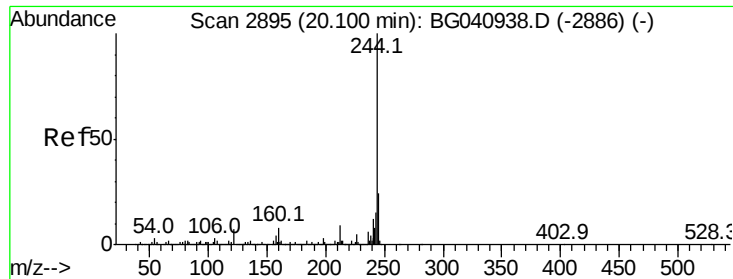
Abundance

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: 75.093 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

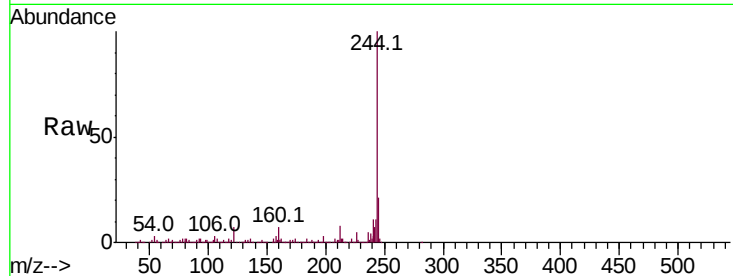
Tot Ion:244 Resp: 1011720

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.4

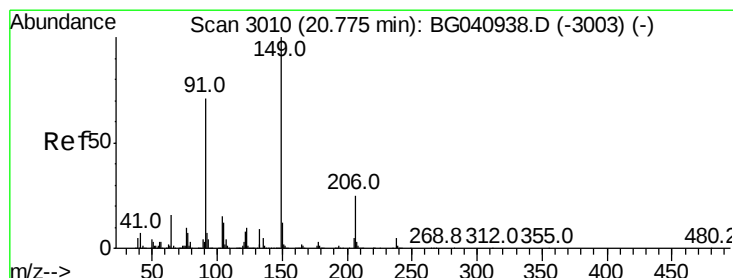
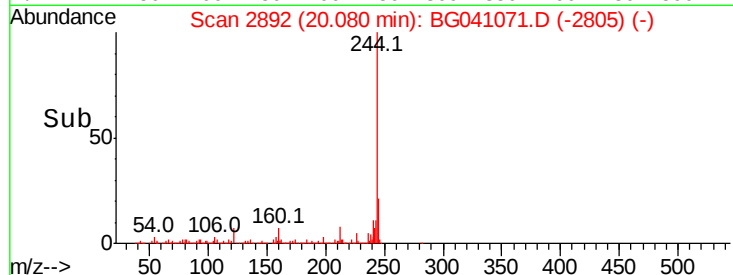
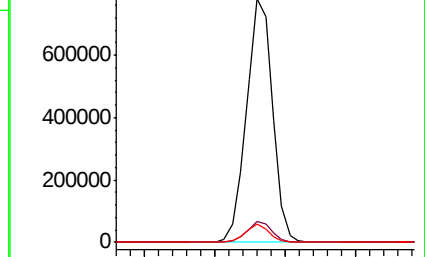
122 7.4 5.4 8.0



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: 7.004 ng

RT: 20.76 min Scan# 3007

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

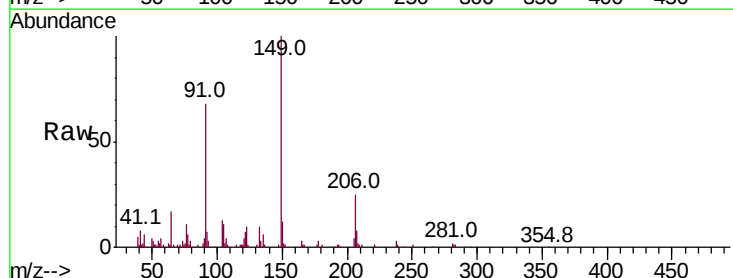
Tgt Ion:149 Resp: 50668

Ion Ratio Lower Upper

149 100

91 67.8 56.5 84.7

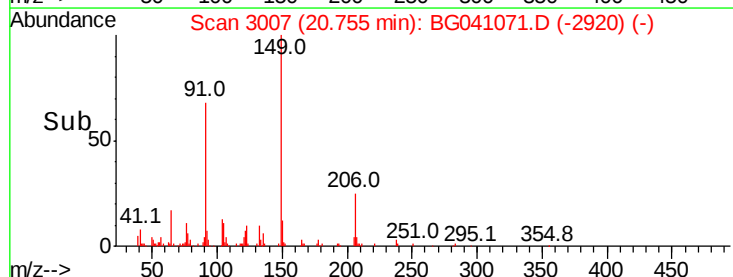
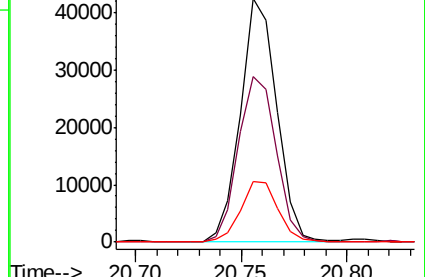
206 24.6 20.3 30.5

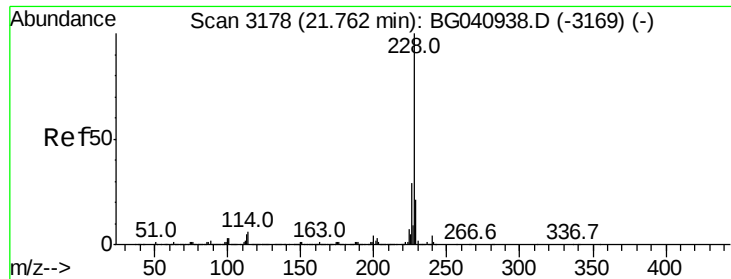


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 7.742 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

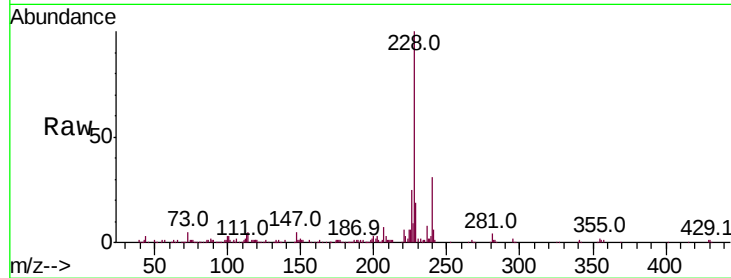
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:228 Resp: 147370

Ion	Ratio	Lower	Upper
228	100		
226	25.2	23.5	35.3
229	18.6	16.7	25.1

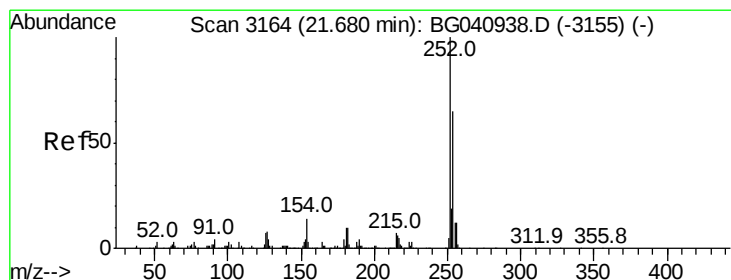
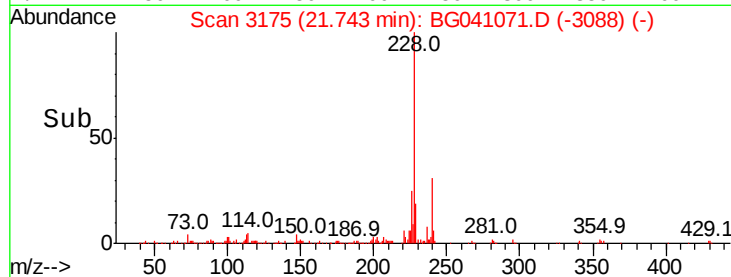


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 7.934 ng

RT: 21.66 min Scan# 3161

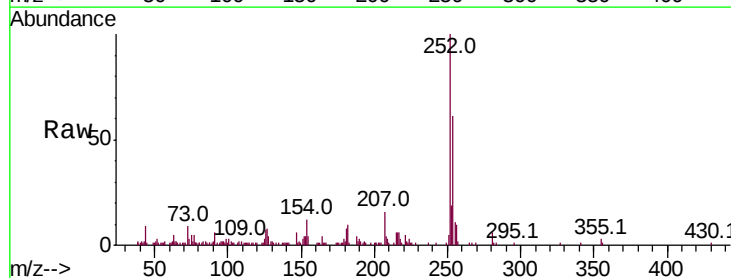
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:252 Resp: 53119

Ion	Ratio	Lower	Upper
252	100		
254	60.8	52.1	78.1
126	7.4	5.5	8.3

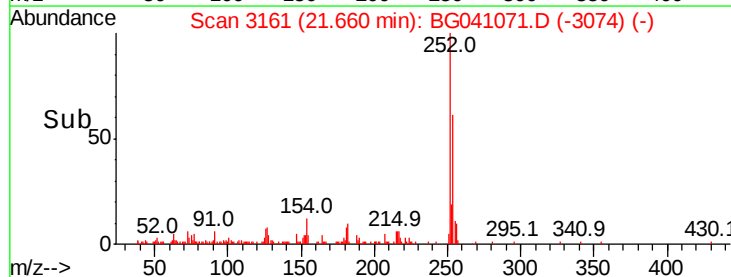
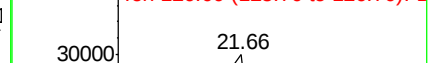


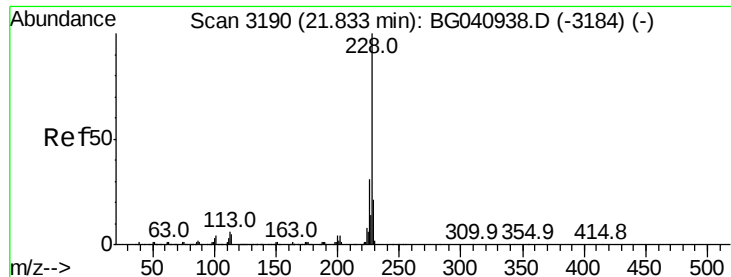
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 7.453 ng

RT: 21.81 min Scan# 3186

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

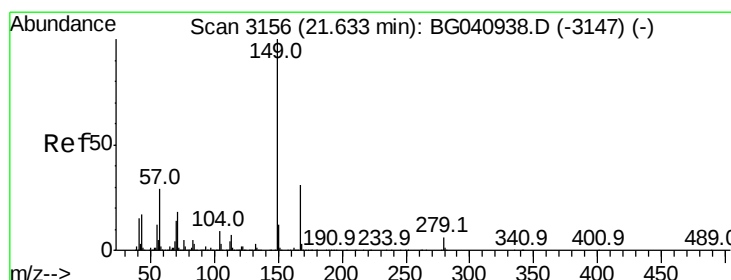
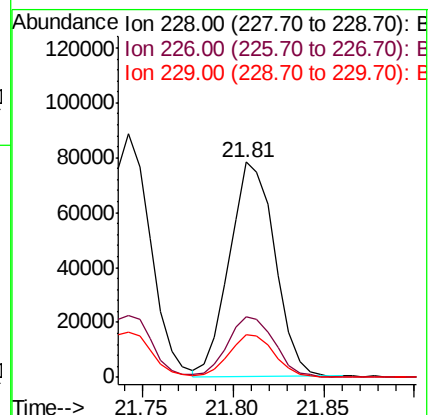
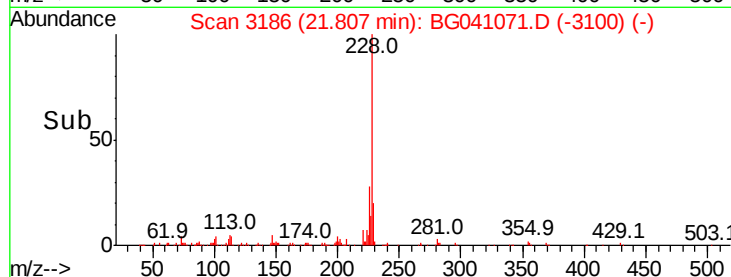
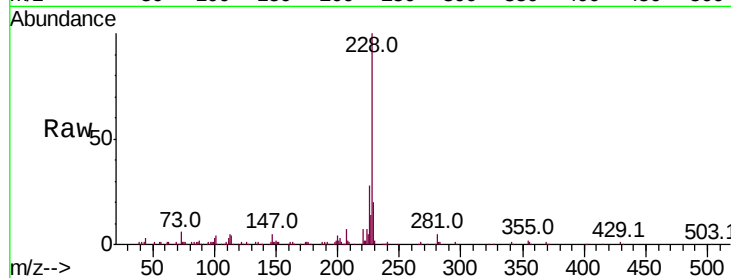
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:228 Resp: 135756

Ion	Ratio	Lower	Upper
228	100		
226	28.0	24.6	37.0
229	20.0	16.6	24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.916 ng

RT: 21.61 min Scan# 3153

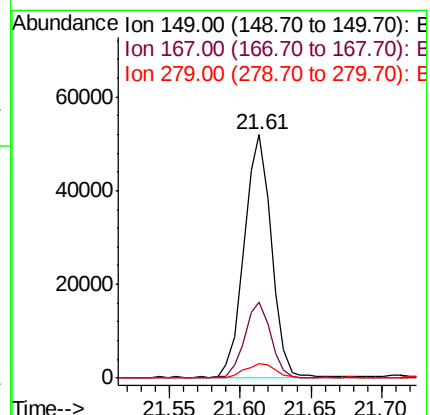
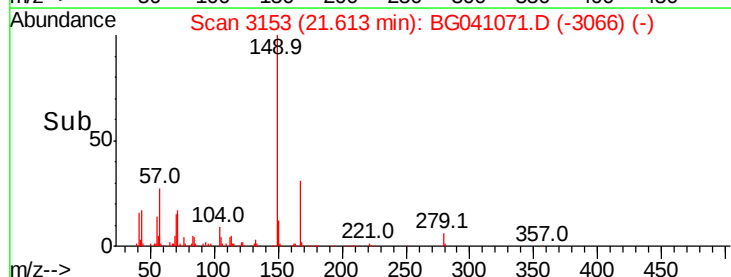
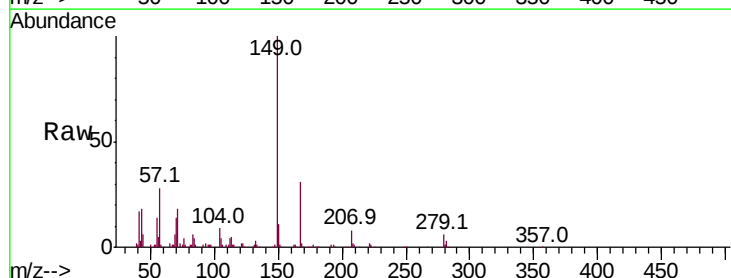
Delta R.T. -0.02 min

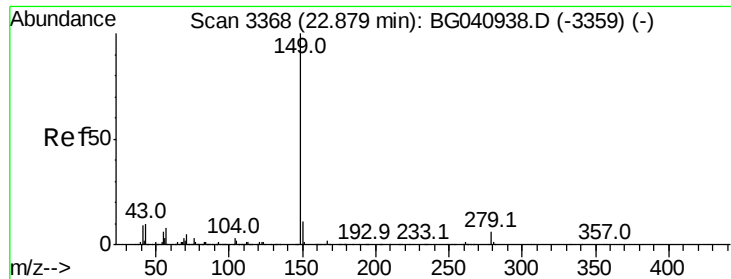
Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:149 Resp: 70425

Ion	Ratio	Lower	Upper
149	100		
167	31.1	24.6	37.0
279	5.8	5.0	7.6





#85

Di-n-octyl phthalate

Concen: 7.266 ng

RT: 22.85 min Scan# 3364

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

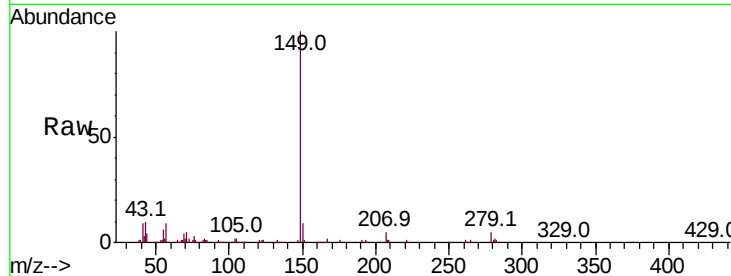
Tot Ion:149 Resp: 123224

Ion Ratio Lower Upper

149 100

167 1.9 1.4 2.0

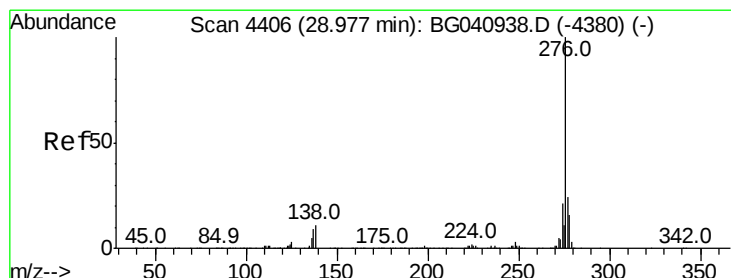
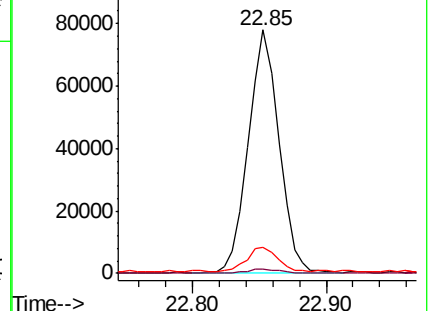
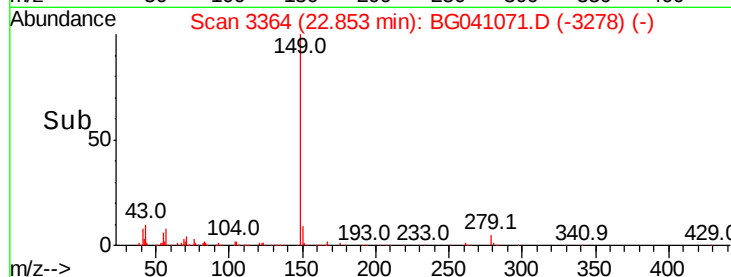
43 9.7 8.1 12.1



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: 7.020 ng

RT: 28.92 min Scan# 4397

Delta R.T. -0.06 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

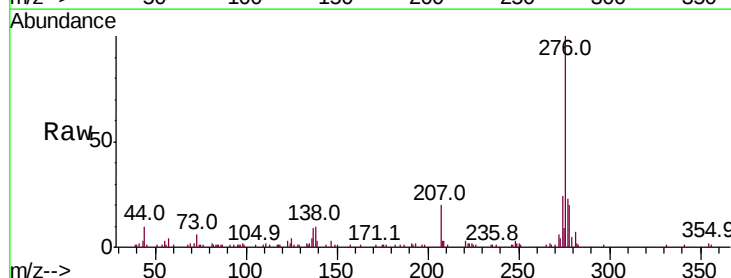
Tgt Ion:276 Resp: 156631

Ion Ratio Lower Upper

276 100

138 0.0 5.7 8.5#

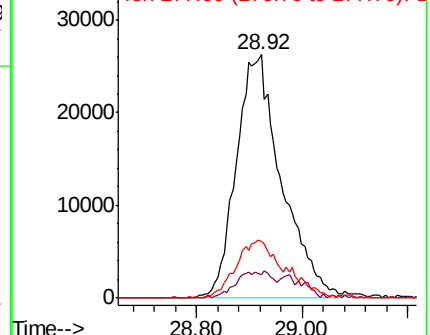
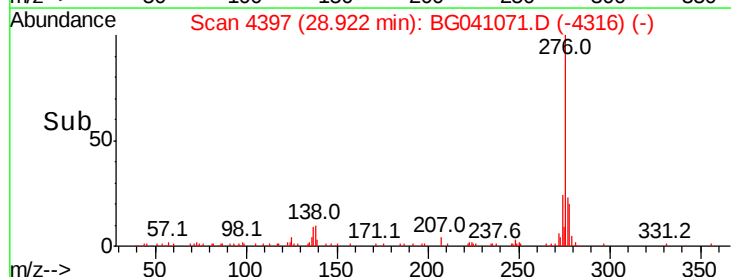
277 20.2 20.8 31.2#

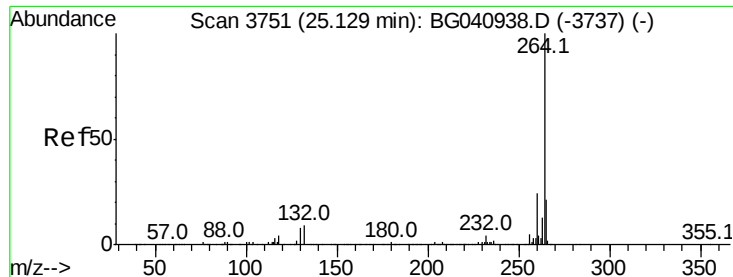


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlone-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3746

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

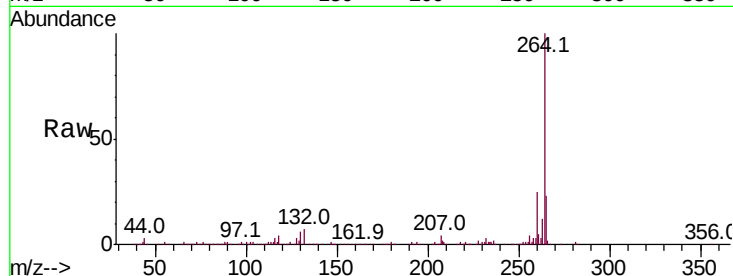
Tot Ion:264 Resp: 303410

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.0	28.4
265	22.7	17.0	25.4

264 100

260 25.0 19.0 28.4

265 22.7 17.0 25.4

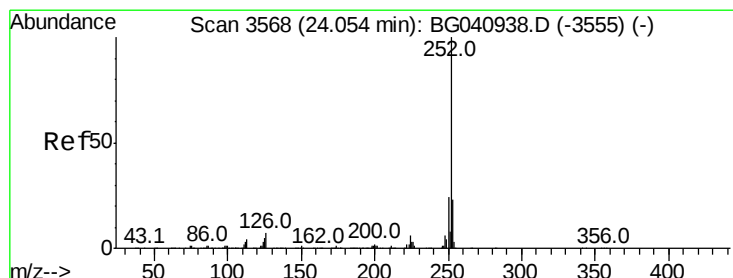
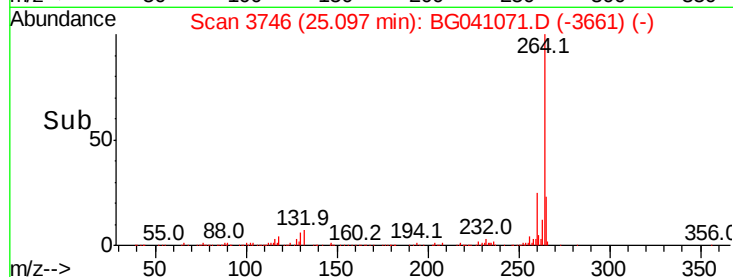
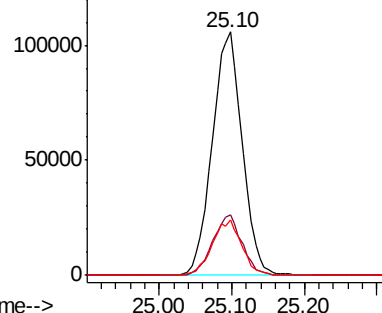


Abundance

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: 7.303 ng

RT: 24.02 min Scan# 3563

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

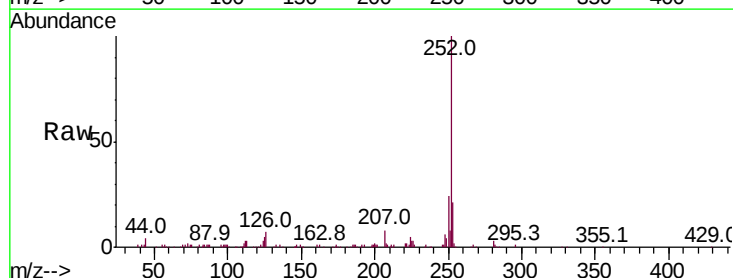
Tgt Ion:252 Resp: 134403

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.4	27.6
125	4.8	4.3	6.5

252 100

253 20.9 18.4 27.6

125 4.8 4.3 6.5

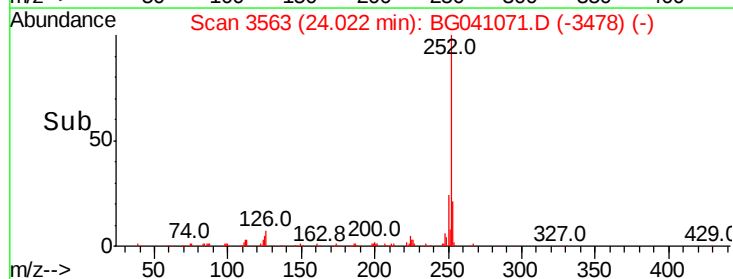
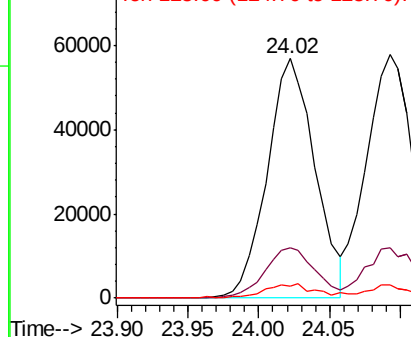


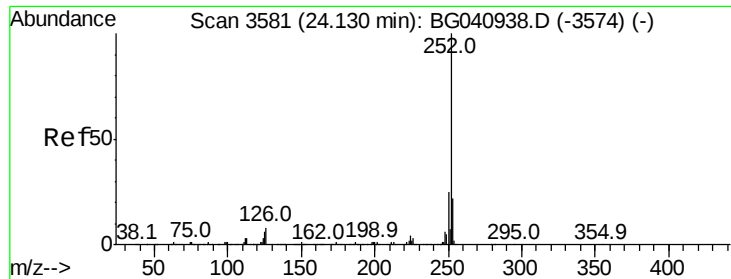
Abundance

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

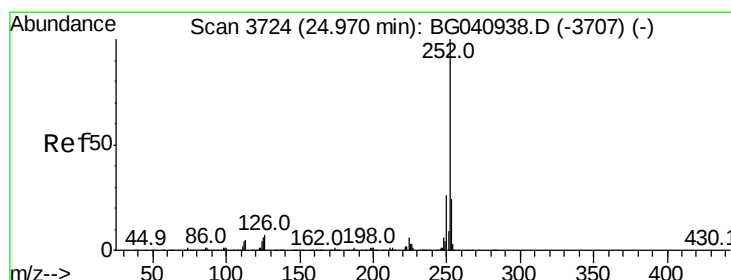
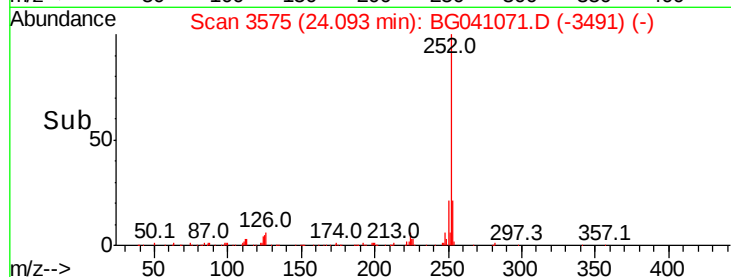
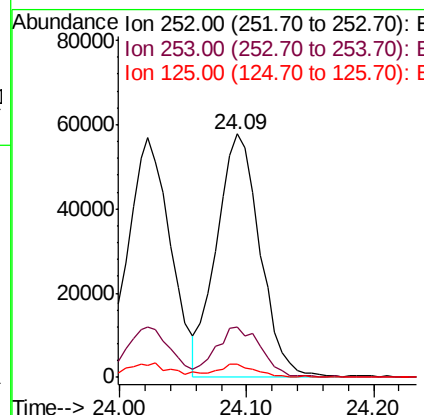
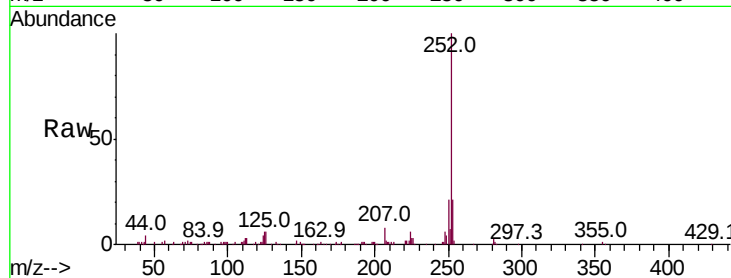




#89
Benzo(k)fluoranthene
Concen: 7.512 ng
RT: 24.09 min Scan# 3575
Delta R.T. -0.04 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

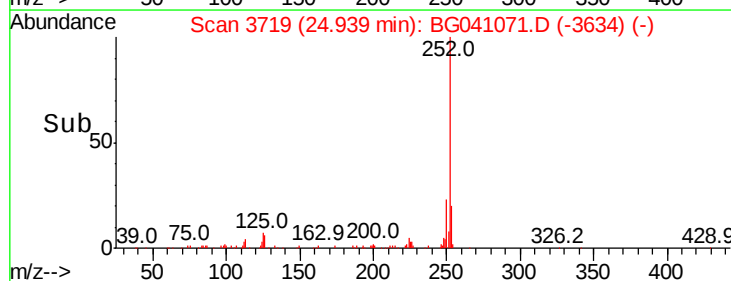
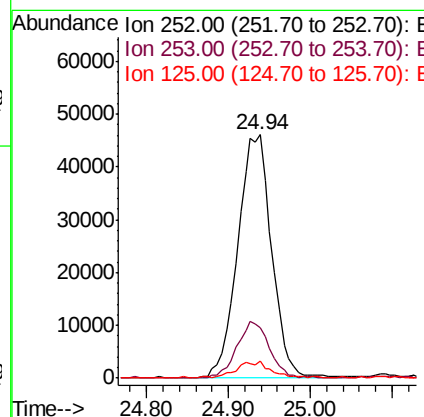
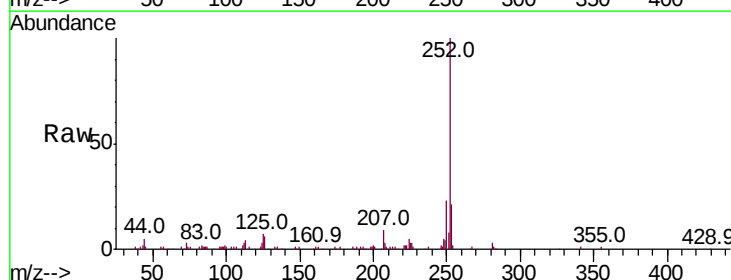
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

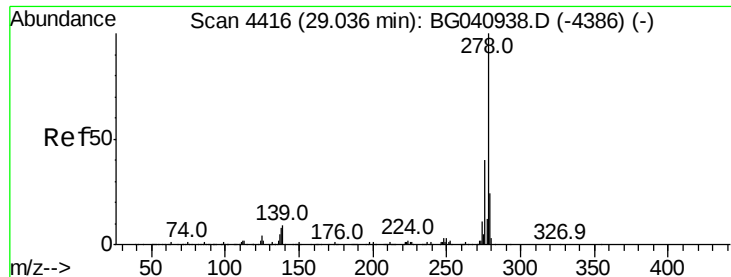
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.8	26.6
125	5.5	4.7	7.1



#90
Benzo(a)pyrene
Concen: 7.566 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.03 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	19.5	29.3
125	6.9	5.1	7.7

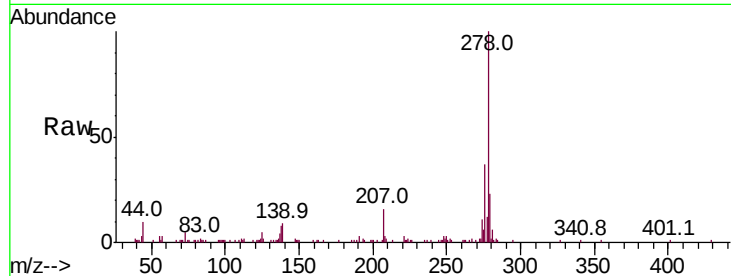




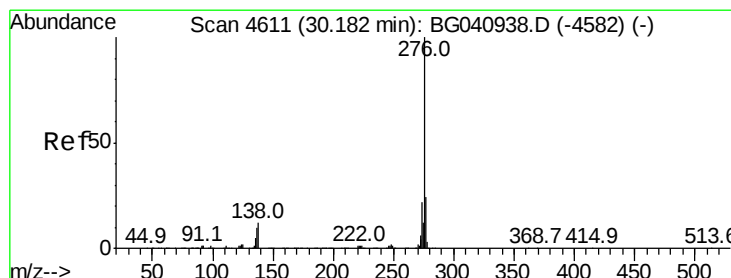
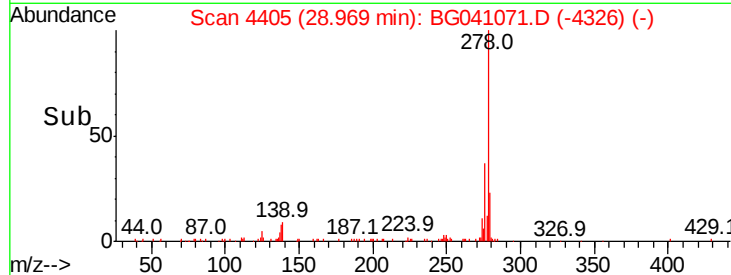
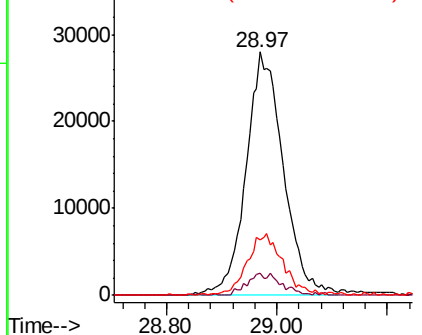
#91
Dibenzo(a,h)anthracene
Concen: 7.446 ng
RT: 28.97 min Scan# 4405
Delta R.T. -0.07 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.2	7.1	10.7
279	22.9	19.4	29.2

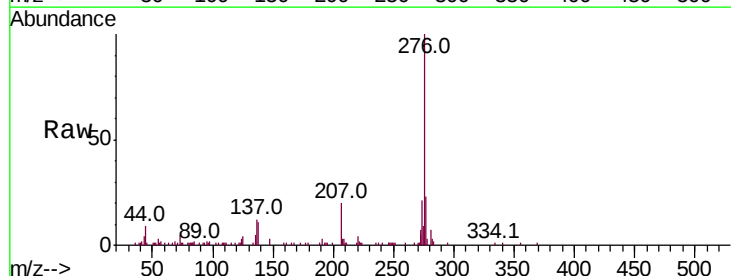


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.648 ng
RT: 30.12 min Scan# 4601
Delta R.T. -0.06 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.4	29.0
138	10.8	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

