

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040984.D
 Acq On : 31 May 2019 18:36
 Operator : HP/JU
 Sample : 2241-01
 Misc : LOD-MDL-WATER-0.5PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jun 01 05:15:08 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	8.12	152	56245	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	212367	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	156607	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	396180	20.00	ng	0.00
76) Chrysene-d12	21.77	240	406920	20.00	ng	-0.01
87) Perylene-d12	25.11	264	422557	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	434663	139.35	ng	0.00
7) Phenol-d6	7.26	99	604753	125.54	ng	0.00
23) Nitrobenzene-d5	9.30	82	428052	89.48	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	350527	150.77	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	999085	91.87	ng	0.00
79) Terphenyl-d14	20.09	244	1716337	89.52	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.53	88	8328	5.884	ng	96
3) Pyridine	3.95	79	17137	4.092	ng	98
4) n-Nitrosodimethylamine	3.86	42	8541	4.394	ng	# 57
6) Aniline	7.44	93	27698	4.308	ng	# 88
8) 2-Chlorophenol	7.68	128	16447	4.423	ng	97
9) Benzaldehyde	7.27	77	19456	6.771	ng	# 78
10) Phenol	7.28	94	21655	4.193	ng	# 73
11) bis(2-Chloroethyl)ether	7.54	93	16960	4.526	ng	97
12) 1,3-Dichlorobenzene	8.01	146	19644	4.423	ng	98
13) 1,4-Dichlorobenzene	8.15	146	19843	4.414	ng	94
14) 1,2-Dichlorobenzene	8.48	146	18476	4.233	ng	97
15) Benzyl Alcohol	8.36	79	19302	4.332	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.64	45	27240	4.449	ng	97
17) 2-Methylphenol	8.55	107	14688	3.928	ng	88
18) Hexachloroethane	9.21	117	8123	4.688	ng	90
19) n-Nitroso-di-n-propylamine	8.92	70	16047	4.329	ng	99
20) 3+4-Methylphenols	8.88	107	19740	3.811	ng	93
22) Acetophenone	8.95	105	31892	5.353	ng	# 91
24) Nitrobenzene	9.34	77	25823	5.297	ng	# 96
25) Isophorone	9.85	82	45070	4.951	ng	# 96
26) 2-Nitrophenol	10.06	139	9409	4.682	ng	97
27) 2,4-Dimethylphenol	10.09	122	15100	4.549	ng	93
28) bis(2-Chloroethoxy)methane	10.33	93	23007	4.682	ng	# 90
29) 2,4-Dichlorophenol	10.58	162	19184	4.551	ng	89
30) 1,2,4-Trichlorobenzene	10.80	180	22544	4.702	ng	98
31) Naphthalene	10.99	128	58922	5.168	ng	98
32) Benzoic acid	10.17	122	1691	8.674	ng	# 87
33) 4-Chloroaniline	11.11	127	22457	4.245	ng	# 89
34) Hexachlorobutadiene	11.26	225	16977	4.627	ng	94
36) 4-Chloro-3-methylphenol	12.20	107	19772	4.107	ng	91
37) 2-Methylnaphthalene	12.59	142	42309	4.818	ng	94
38) 1-Methylnaphthalene	12.81	142	42570	5.144	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	31557	4.999	ng	99
41) Hexachlorocyclopentadiene	12.91	237	11564	11.293	ng	98

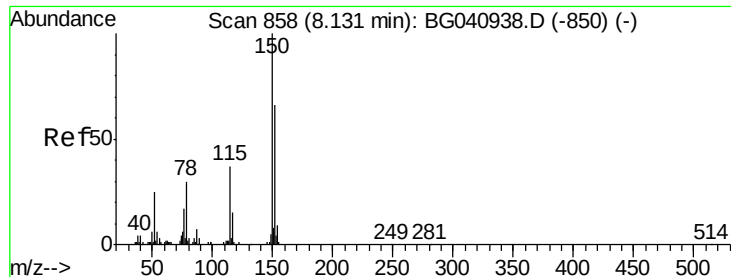
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040984.D
 Acq On : 31 May 2019 18:36
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 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	13.18	196	17195	4.211	ng	90
44) 2,4,5-Trichlorophenol	13.26	196	18329	4.256	ng	98
46) 1,1'-Biphenyl	13.58	154	60943	5.257	ng	99
47) 2-Chloronaphthalene	13.64	162	48343	4.858	ng	98
48) 2-Nitroaniline	13.84	65	16394	4.592	ng	87
49) Acenaphthylene	14.48	152	76084	5.080	ng	98
50) Dimethylphthalate	14.19	163	66676	5.030	ng	97
51) 2,6-Dinitrotoluene	14.33	165	13389	4.684	ng	94
52) Acenaphthene	14.82	154	43908	4.839	ng	96
53) 3-Nitroaniline	14.66	138	12030	4.209	ng	93
54) 2,4-Dinitrophenol	14.90	184	761	8.897	ng	# 47
55) Dibenzofuran	15.15	168	78392	5.134	ng	98
56) 4-Nitrophenol	14.96	139	6454	3.292	ng	97
57) 2,4-Dinitrotoluene	15.10	165	19661	4.870	ng	# 93
58) Fluorene	15.80	166	62475	5.138	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.37	232	20036	4.734	ng	# 97
60) Diethylphthalate	15.54	149	68398	5.056	ng	98
61) 4-Chlorophenyl-phenylether	15.78	204	38356	4.853	ng	96
62) 4-Nitroaniline	15.82	138	13071	4.320	ng	97
63) Azobenzene	16.07	77	63820	5.190	ng	96
65) 4,6-Dinitro-2-methylphenol	15.87	198	4272	10.242	ng	94
66) n-Nitrosodiphenylamine	16.00	169	54641	4.906	ng	95
67) 4-Bromophenyl-phenylether	16.68	248	23838	4.459	ng	95
68) Hexachlorobenzene	16.79	284	27414	4.815	ng	96
69) Atrazine	16.93	200	22522	5.241	ng	95
70) Pentachlorophenol	17.14	266	7084	6.455	ng	90
71) Phenanthrene	17.54	178	108277	5.247	ng	98
72) Anthracene	17.63	178	105928	5.205	ng	98
73) Carbazole	17.90	167	89366	5.117	ng	98
74) Di-n-butylphthalate	18.43	149	106411	4.903	ng	99
75) Fluoranthene	19.54	202	135872	5.331	ng	99
77) Benzidine	19.72	184	40244	4.146	ng	99
78) Pyrene	19.90	202	141659	5.355	ng	94
80) Butylbenzylphthalate	20.77	149	47268	4.592	ng	92
81) Benzo(a)anthracene	21.76	228	142925	5.276	ng	98
82) 3,3'-Dichlorobenzidine	21.67	252	47161	4.950	ng	96
83) Chrysene	21.82	228	135231	5.217	ng	98
84) Bis(2-ethylhexyl)phthalate	21.63	149	66612	4.597	ng	94
85) Di-n-octyl phthalate	22.87	149	113012	4.683	ng	98
86) Indeno(1,2,3-cd)pyrene	28.93	276	138764	4.370	ng	# 76
88) Benzo(b)fluoranthene	24.11	252	127821	4.987	ng	97
89) Benzo(k)fluoranthene	24.11	252	127821	5.040	ng	98
90) Benzo(a)pyrene	24.95	252	123877	5.066	ng	95
91) Dibenzo(a,h)anthracene	29.01	278	111262	4.554	ng	96
92) Benzo(g,h,i)perylene	30.14	276	117351	4.944	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 857

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

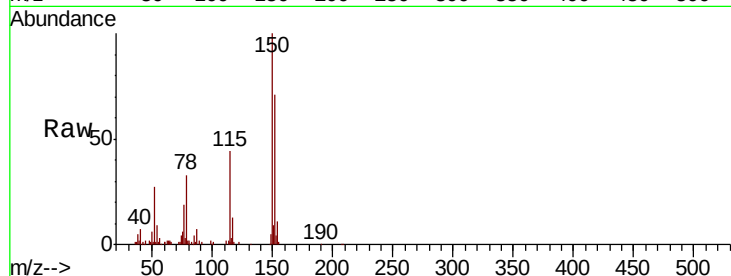
Tgt Ion:152 Resp: 56245

Ion Ratio Lower Upper

152 100

150 140.4 120.6 180.8

115 62.4 45.1 67.7

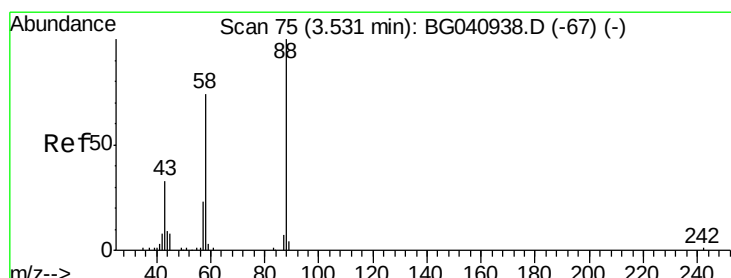
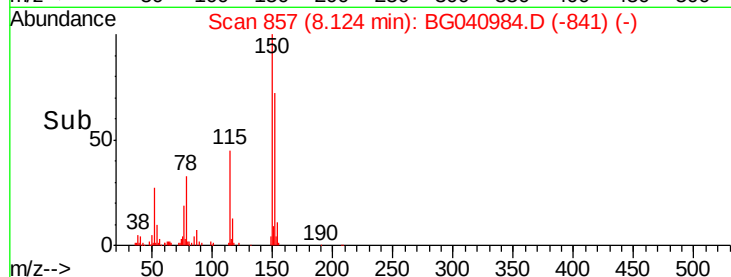
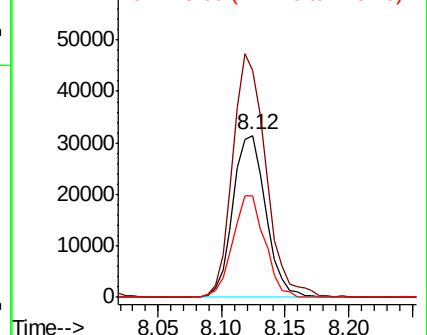


Abundance

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: 5.884 ng

RT: 3.53 min Scan# 75

Delta R.T. -0.00 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

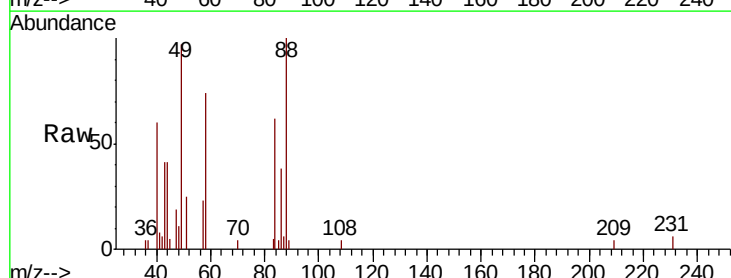
Tgt Ion: 88 Resp: 8328

Ion Ratio Lower Upper

88 100

58 70.3 59.0 88.6

43 36.0 27.2 40.8

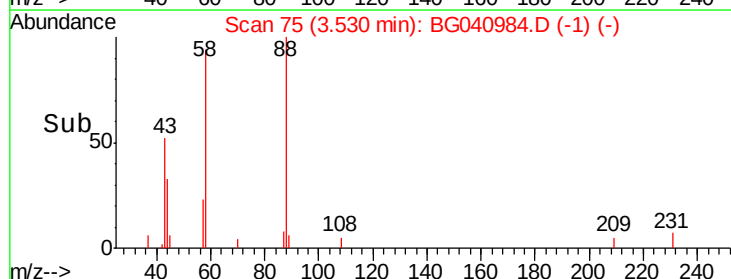
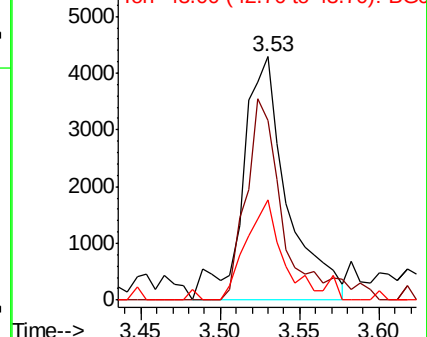


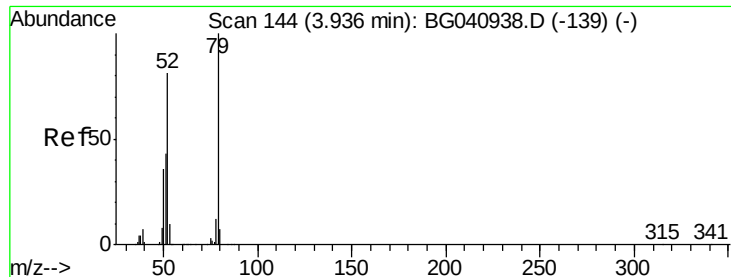
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 4.092 ng

RT: 3.95 min Scan# 146

Delta R.T. 0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

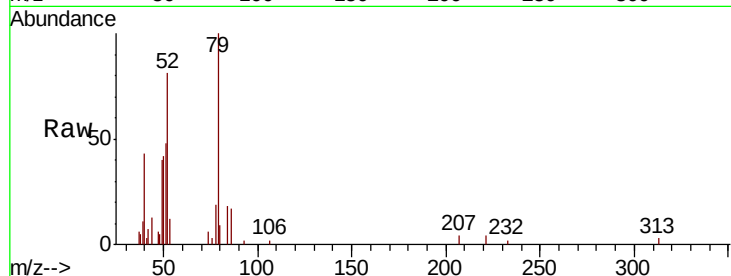
Instrument :

BNA_G

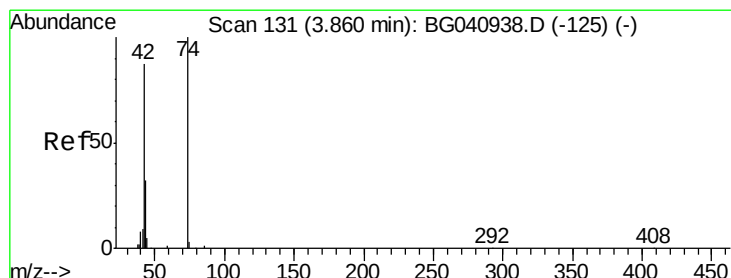
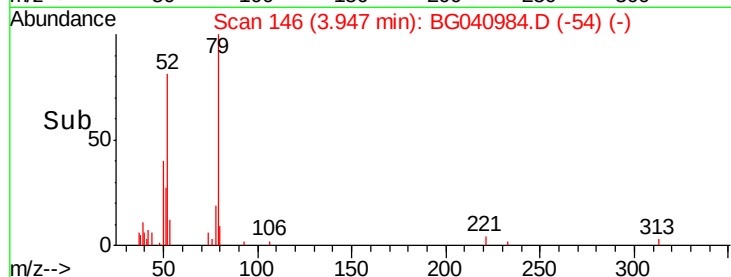
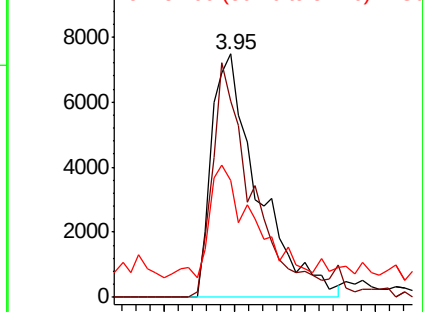
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	79	Resp:	17137
Ion	Ratio	Lower	Upper
79	100		
52	80.6	64.8	97.2
51	48.1	35.3	52.9



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



#4

n-Nitrosodimethylamine

Concen: 4.394 ng

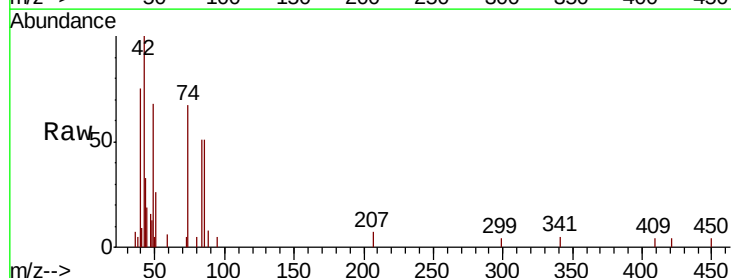
RT: 3.86 min Scan# 131

Delta R.T. -0.00 min

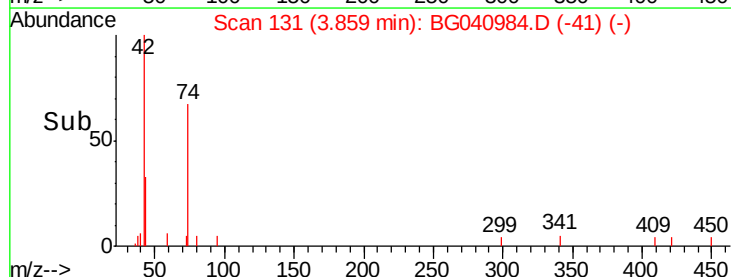
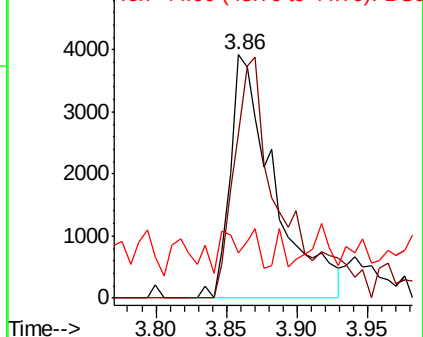
Lab File: BG040984.D

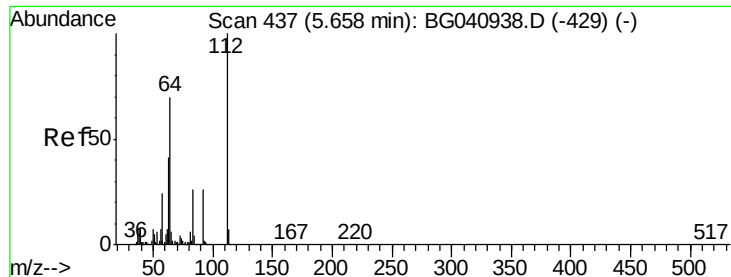
Acq: 31 May 2019 18:36

Tgt Ion:	42	Resp:	8541
Ion	Ratio	Lower	Upper
42	100		
74	67.4	91.8	137.6#
44	18.6	6.0	9.0#



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





#5

2-Fluorophenol

Concen: 139.353 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

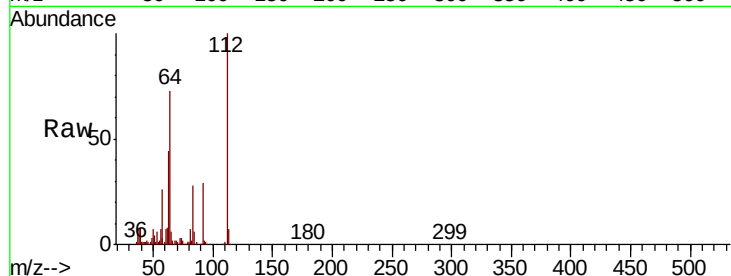
Tgt Ion:112 Resp: 434663

Ion Ratio Lower Upper

112 100

64 73.0 56.2 84.2

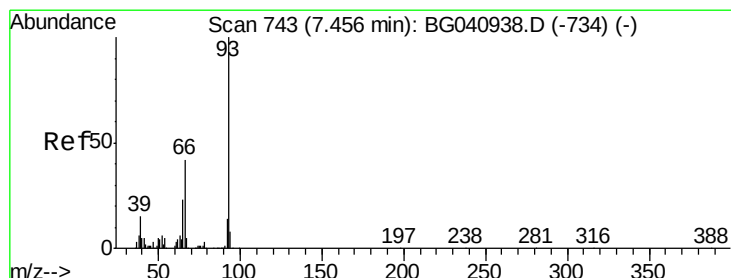
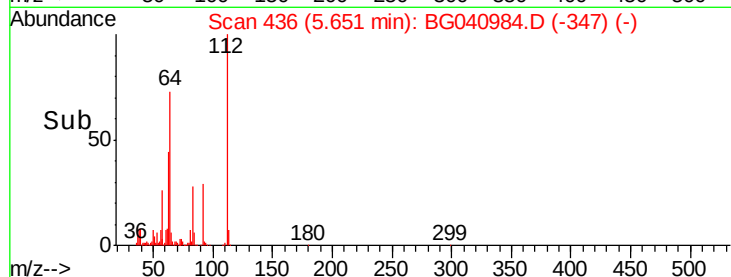
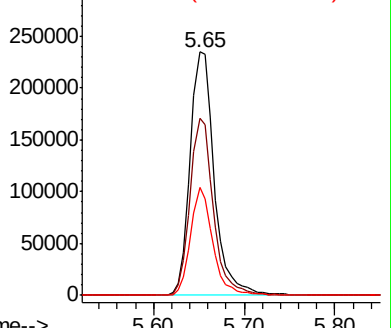
63 44.3 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 4.308 ng

RT: 7.44 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

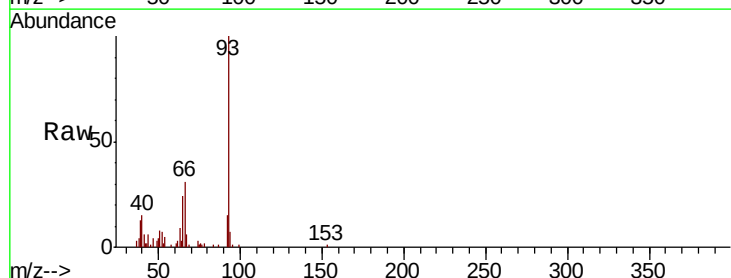
Tgt Ion: 93 Resp: 27698

Ion Ratio Lower Upper

93 100

66 31.3 33.8 50.8#

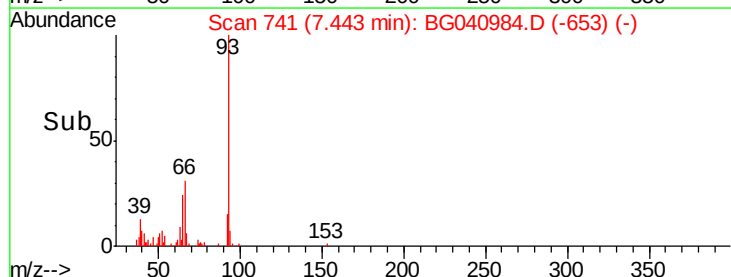
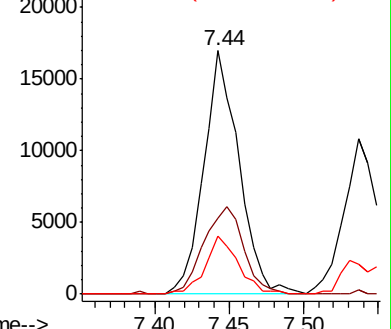
65 23.6 18.3 27.5

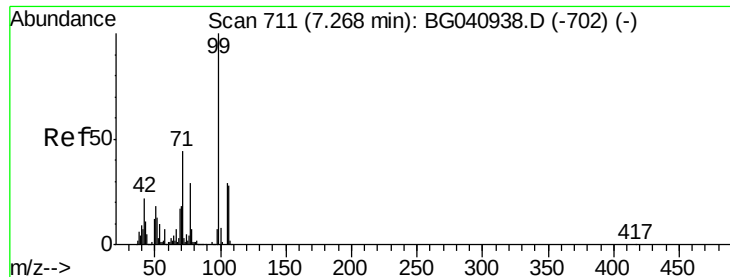


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 125.540 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG040984.D

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BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

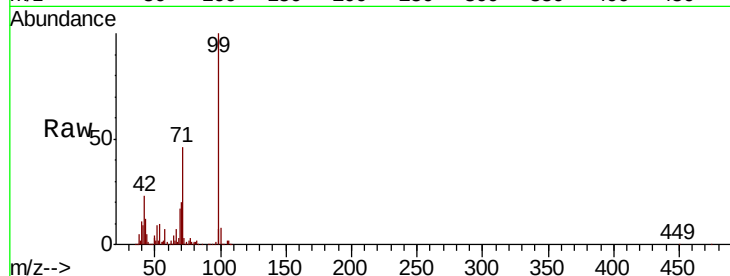
Tgt Ion: 99 Resp: 604753

Ion Ratio Lower Upper

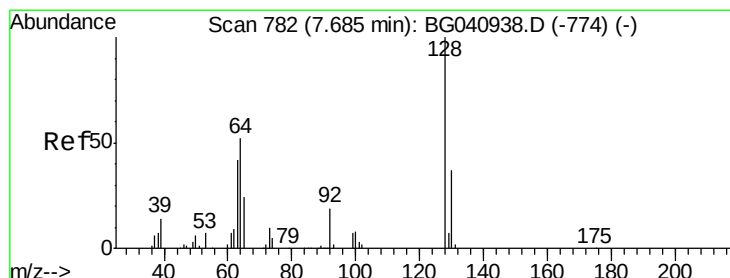
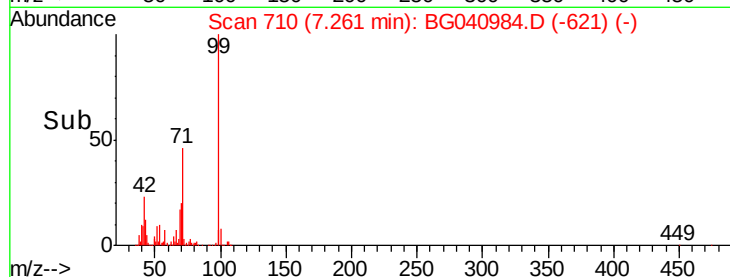
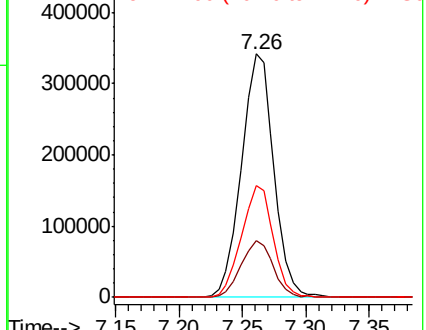
99 100

42 23.1 17.9 26.9

71 45.7 35.4 53.0



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



#8

2-Chlorophenol

Concen: 4.423 ng

RT: 7.68 min Scan# 781

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

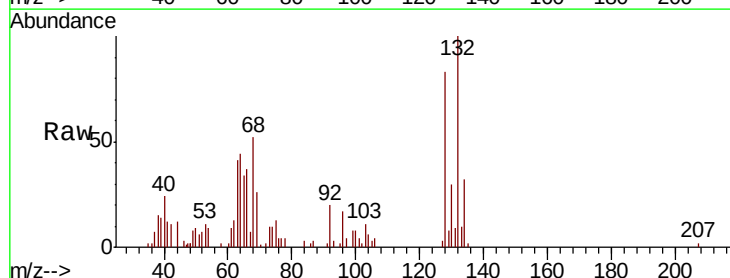
Tgt Ion: 128 Resp: 16447

Ion Ratio Lower Upper

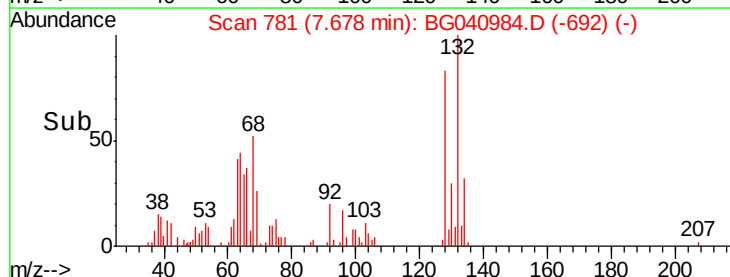
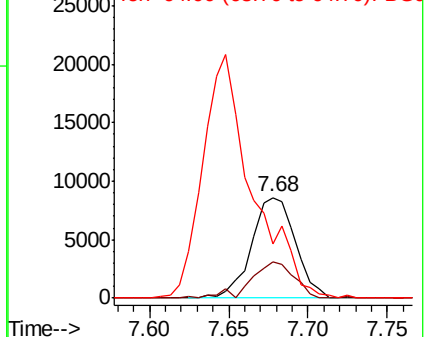
128 100

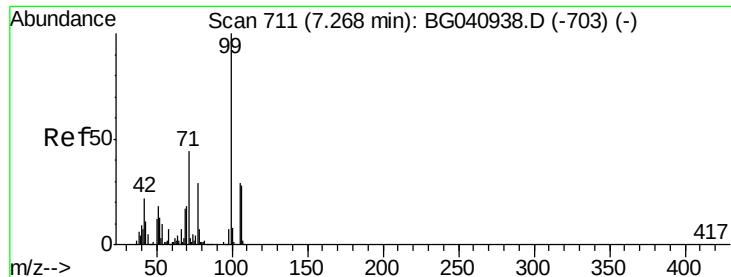
130 36.6 16.6 56.6

64 53.6 37.8 77.8



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





#9

Benzaldehyde

Concen: 6.771 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

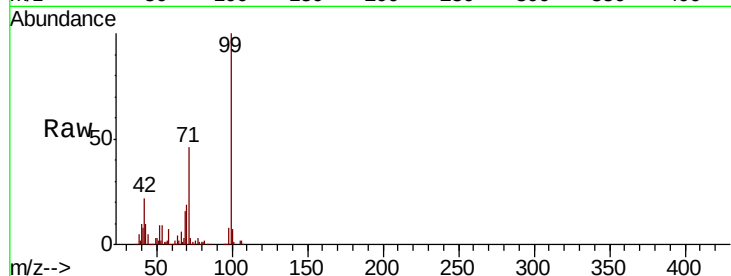
Tgt Ion: 77 Resp: 19456

Ion Ratio Lower Upper

77 100

105 74.9 78.9 118.9#

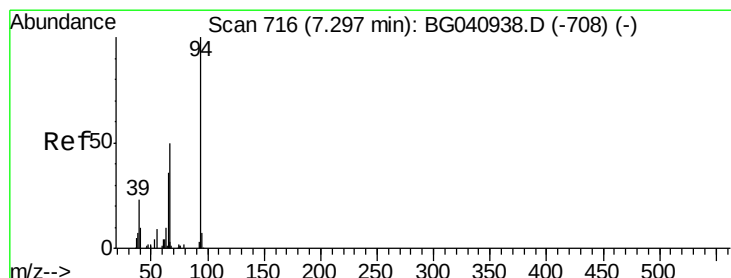
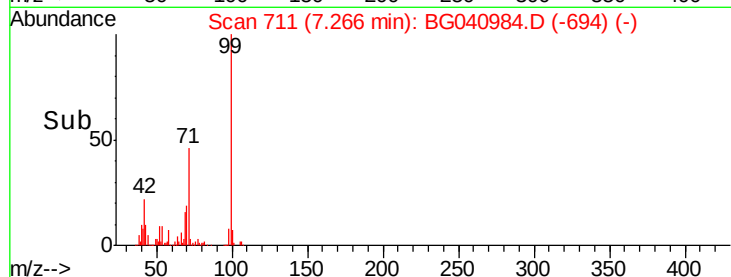
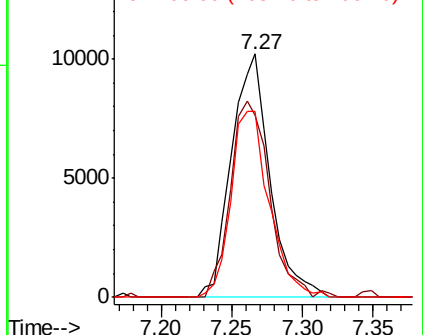
106 76.7 76.7 116.7#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 4.193 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

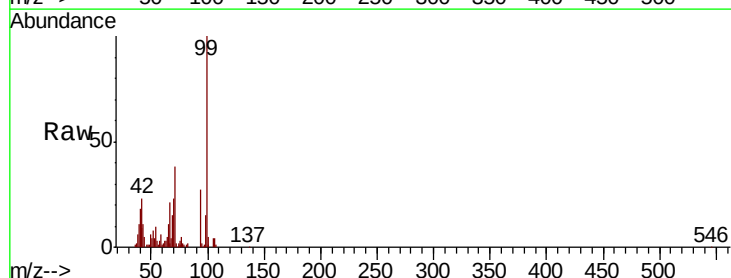
Tgt Ion: 94 Resp: 21655

Ion Ratio Lower Upper

94 100

65 42.4 17.0 57.0

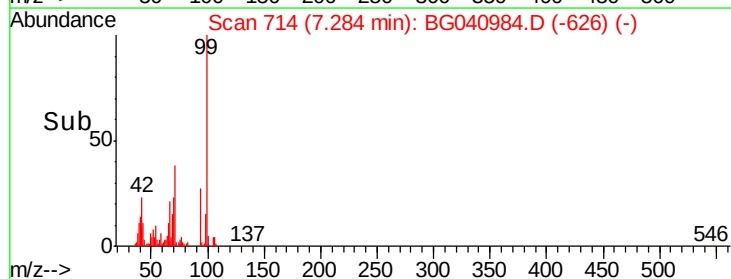
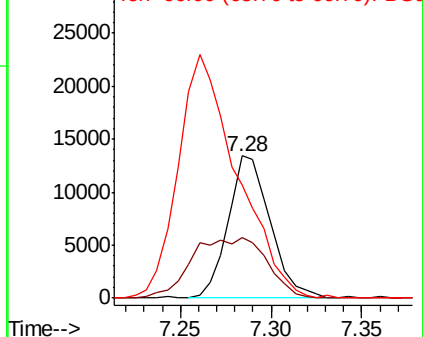
66 79.8 32.4 72.4#

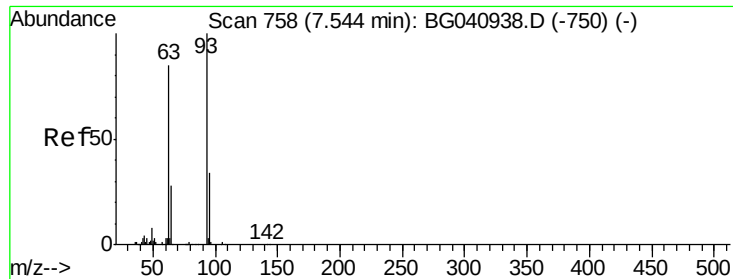


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

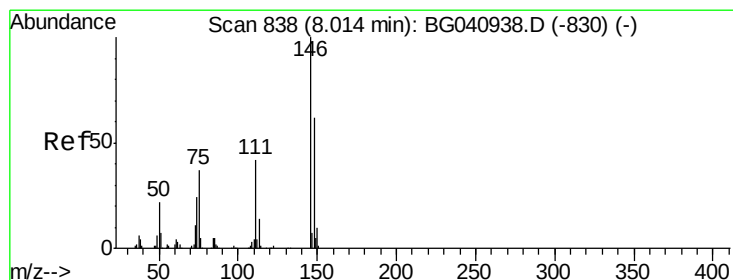
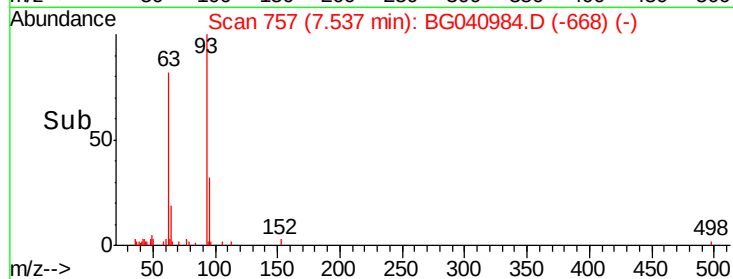
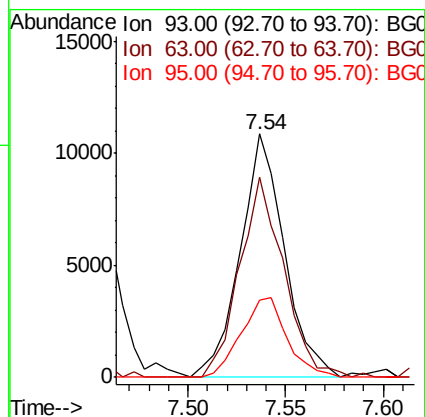
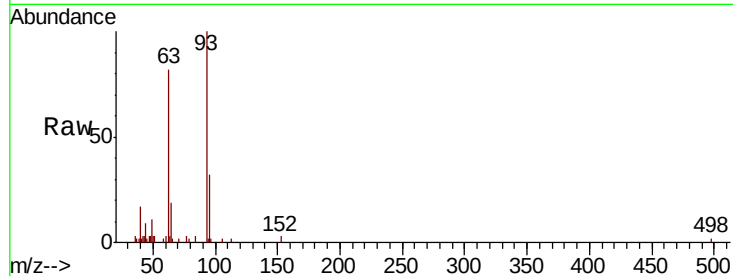




#11
 bis(2-Chloroethyl)ether
 Concen: 4.526 ng
 RT: 7.54 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

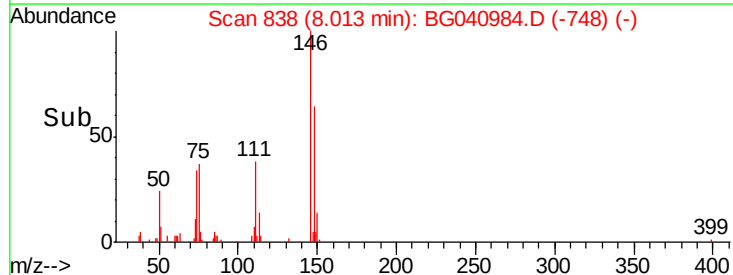
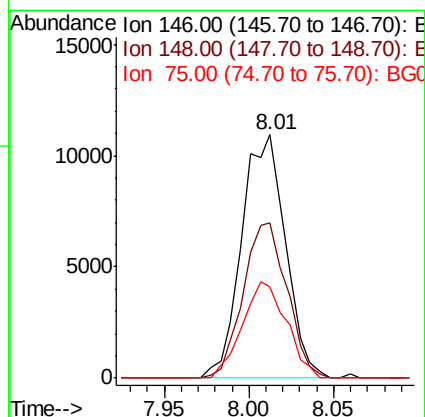
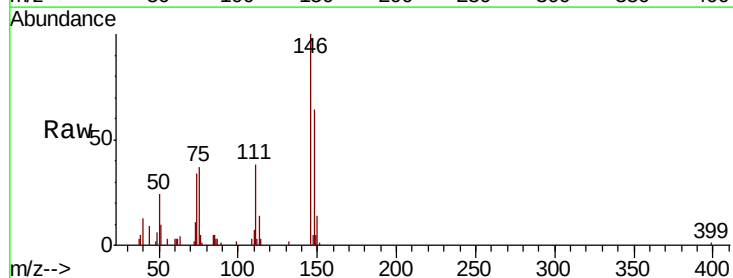
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

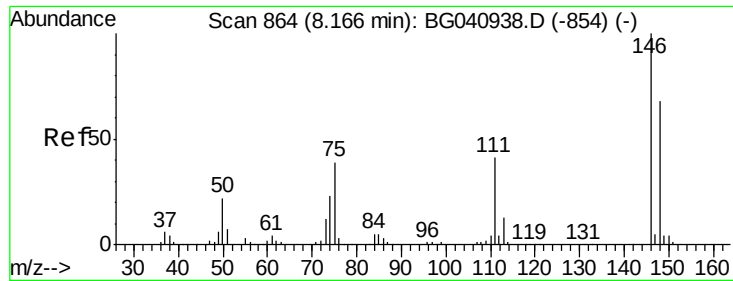
Tgt Ion: 93 Resp: 16960
 Ion Ratio Lower Upper
 93 100
 63 82.0 64.5 104.5
 95 31.5 13.3 53.3



#12
 1,3-Dichlorobenzene
 Concen: 4.423 ng
 RT: 8.01 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion: 146 Resp: 19644
 Ion Ratio Lower Upper
 146 100
 148 64.0 49.2 73.8
 75 37.3 29.4 44.0

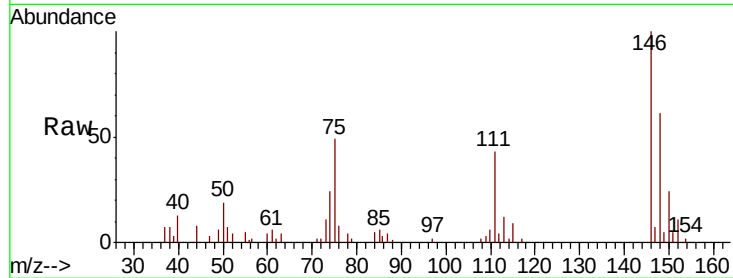




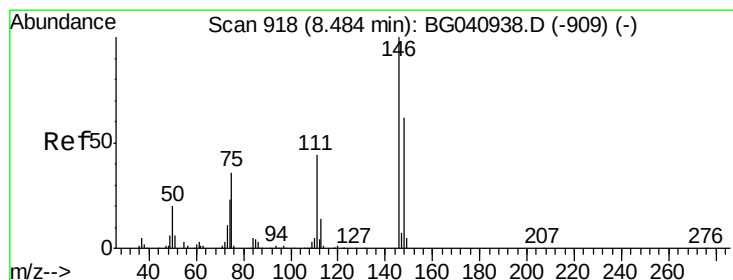
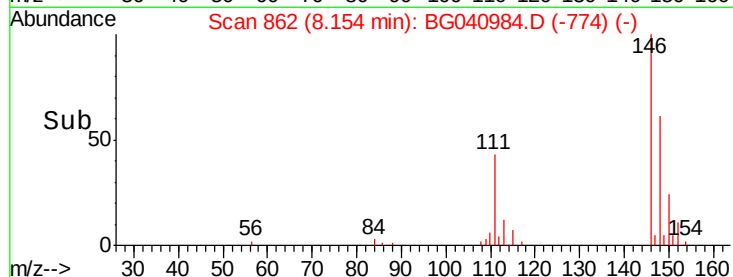
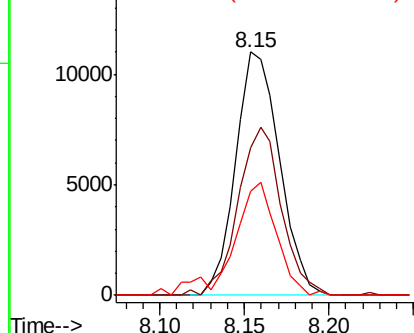
#13
 1,4-Dichlorobenzene
 Concen: 4.414 ng
 RT: 8.15 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

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

Tgt Ion:146 Resp: 19843
 Ion Ratio Lower Upper
 146 100
 148 60.8 54.2 81.4
 111 42.5 32.9 49.3

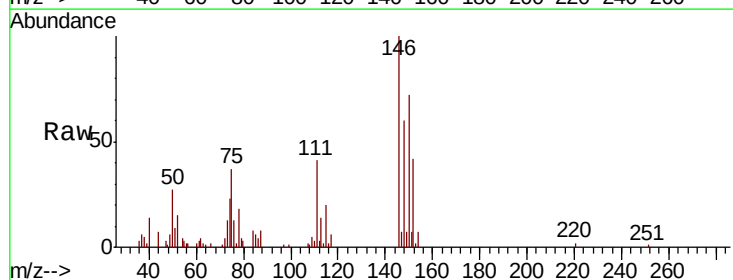


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

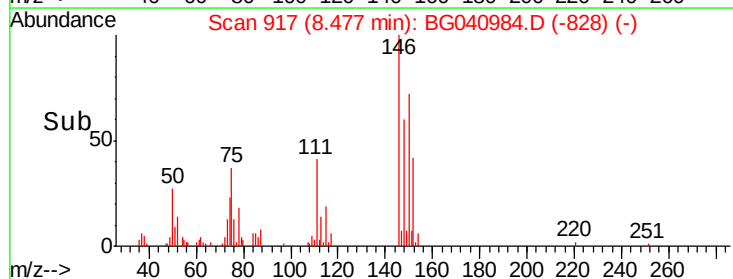
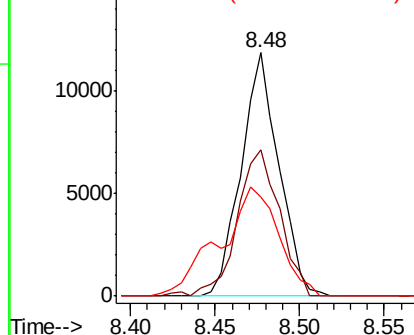


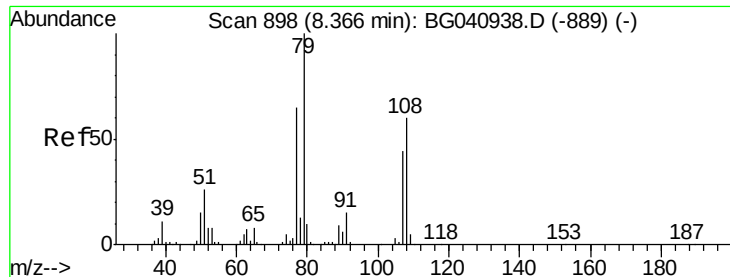
#14
 1,2-Dichlorobenzene
 Concen: 4.233 ng
 RT: 8.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:146 Resp: 18476
 Ion Ratio Lower Upper
 146 100
 148 60.3 49.8 74.6
 111 40.6 35.0 52.4



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





#15

Benzyl Alcohol

Concen: 4.332 ng

RT: 8.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

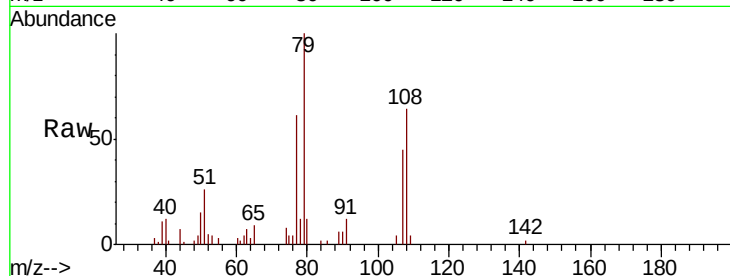
Tgt Ion: 79 Resp: 19302

Ion Ratio Lower Upper

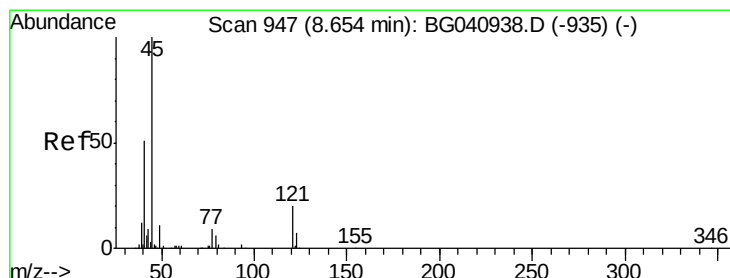
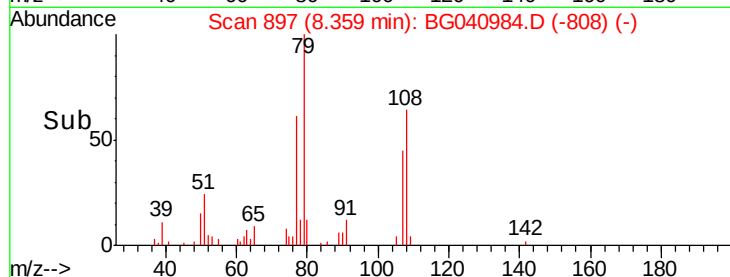
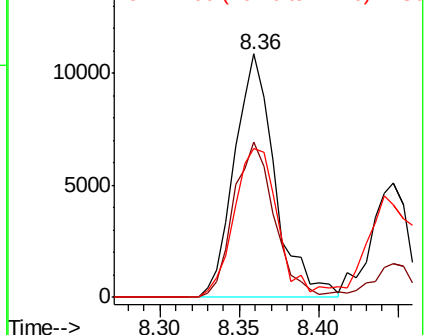
79 100

108 64.0 48.3 72.5

77 61.4 52.3 78.5



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 4.449 ng

RT: 8.64 min Scan# 945

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

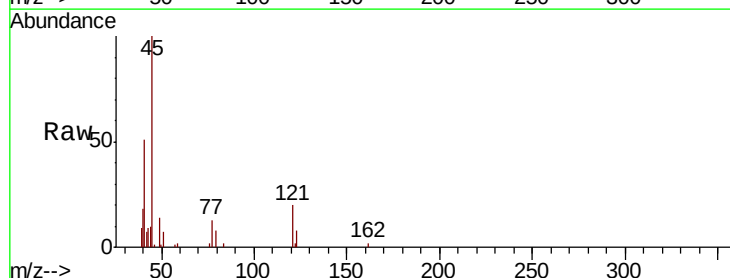
Tgt Ion: 45 Resp: 27240

Ion Ratio Lower Upper

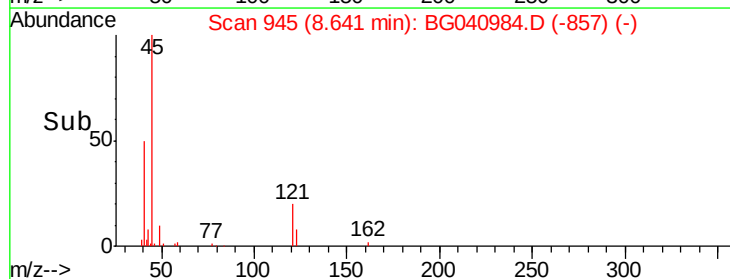
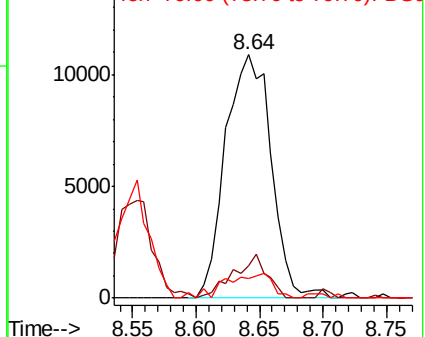
45 100

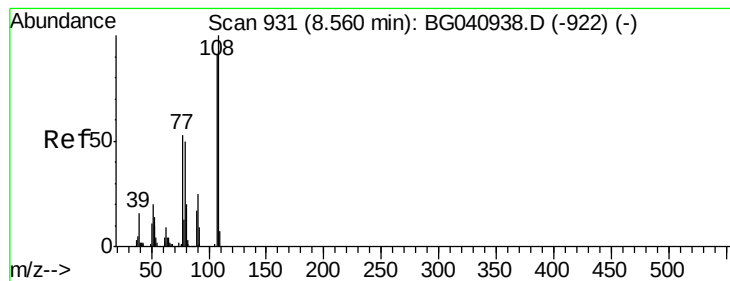
77 13.4 0.0 33.7

79 8.2 0.0 30.2



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

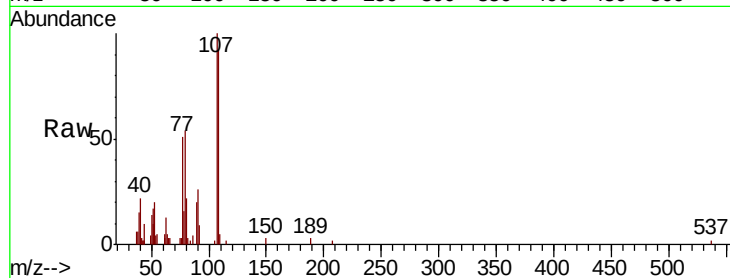




#17
2-Methylphenol
Concen: 3.928 ng
RT: 8.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

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

Tgt Ion:	107	Resp:	14688
Ion	Ratio	Lower	Upper
107	100		
108	91.8	87.7	131.5
77	50.6	46.6	70.0
79	53.8	44.6	66.8



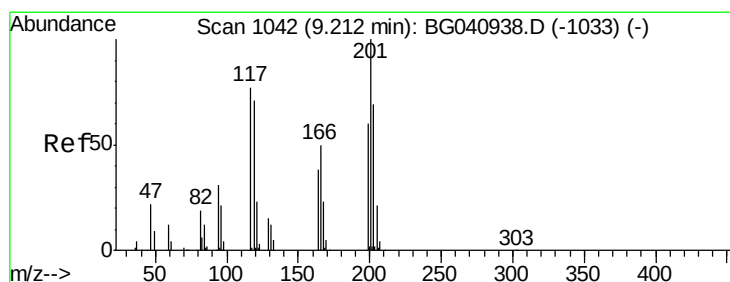
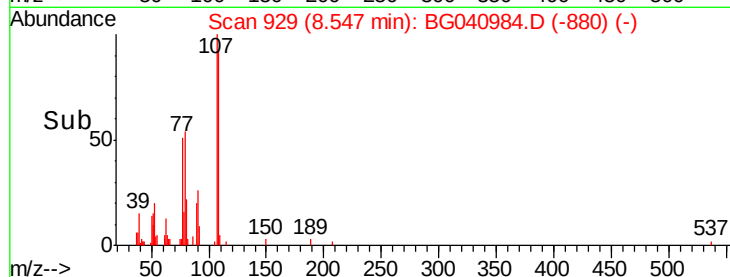
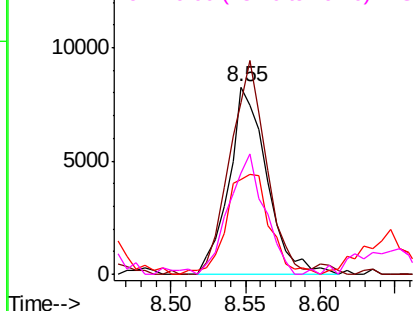
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

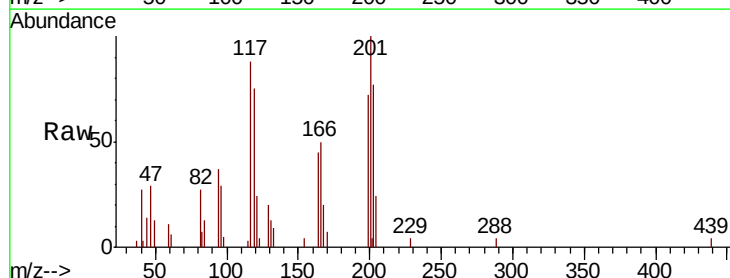
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 4.688 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:	117	Resp:	8123
Ion	Ratio	Lower	Upper
117	100		
119	85.0	75.0	112.6
201	117.8	103.5	155.3

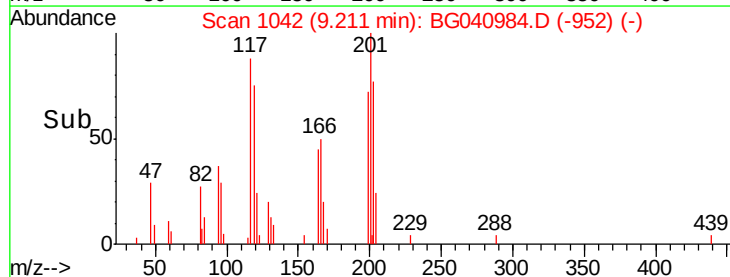
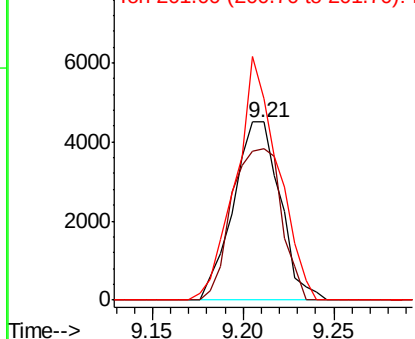


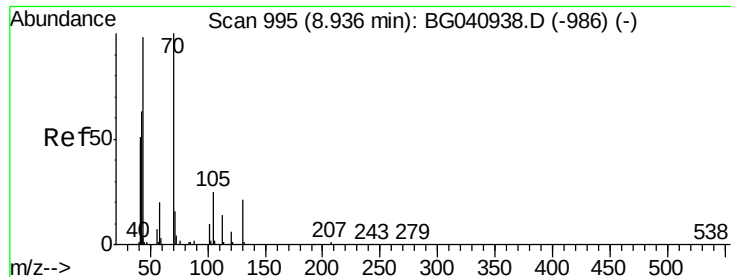
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.329 ng

RT: 8.92 min Scan# 993

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 70 Resp: 16047

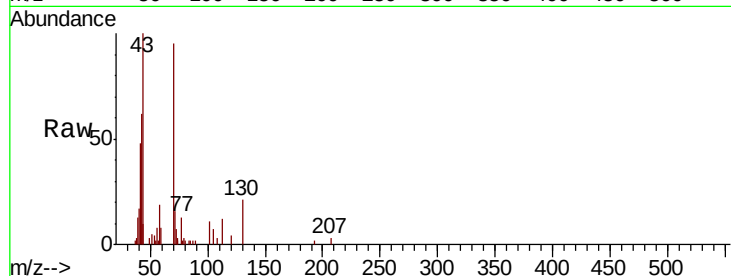
Ion Ratio Lower Upper

70 100

42 64.8 51.5 77.3

101 11.1 8.1 12.1

130 22.4 16.6 24.8



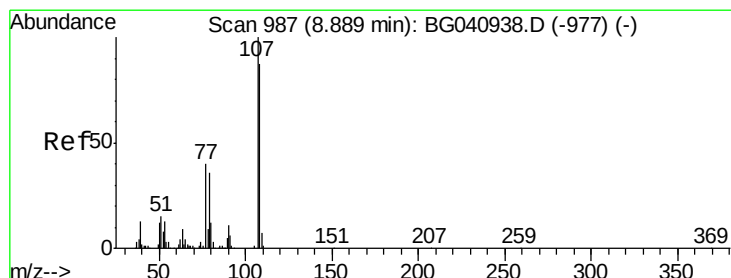
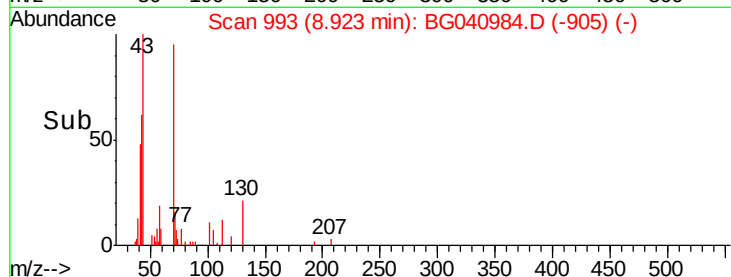
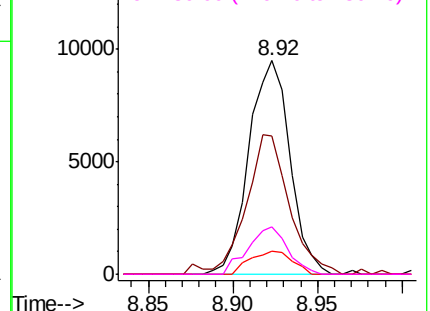
Abundance

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: 3.811 ng

RT: 8.88 min Scan# 986

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Tgt Ion: 107 Resp: 19740

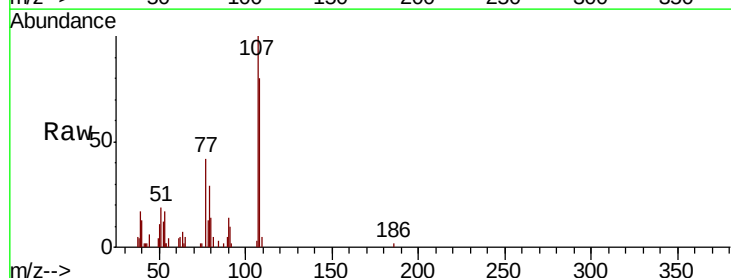
Ion Ratio Lower Upper

107 100

108 80.2 66.8 106.8

77 42.4 20.5 60.5

79 28.8 15.8 55.8



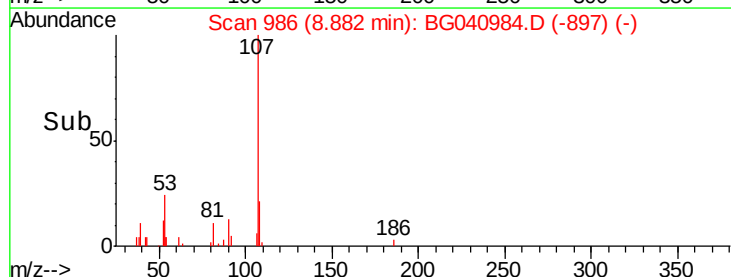
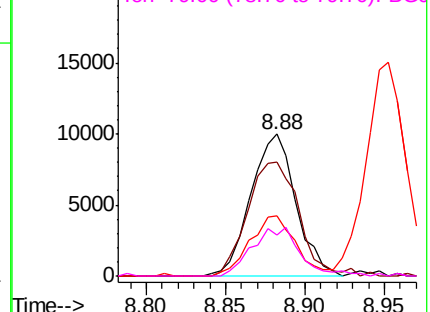
Abundance

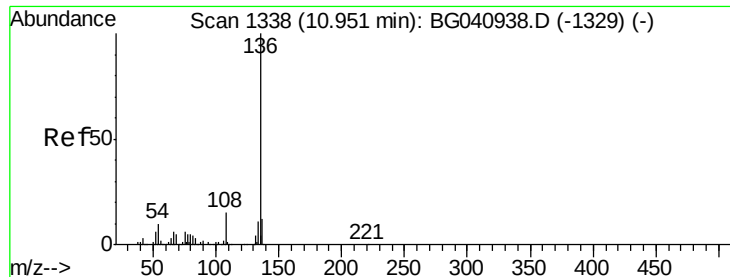
Ion 107.00 (106.70 to 107.70): BGC

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

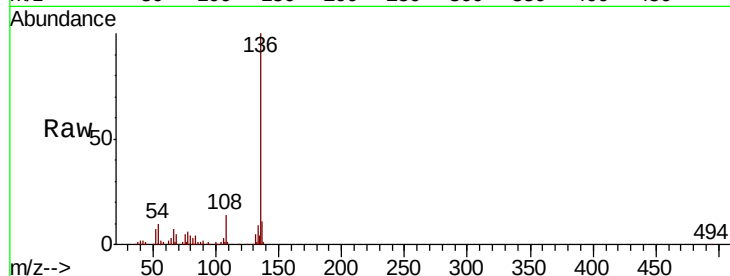




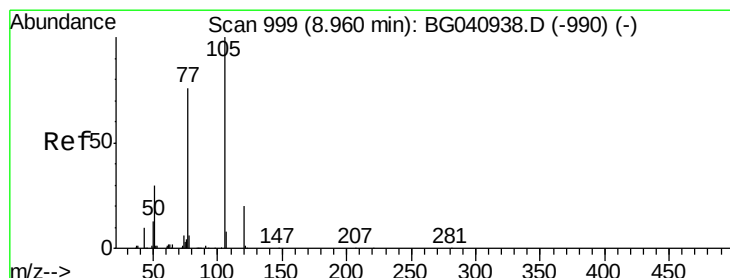
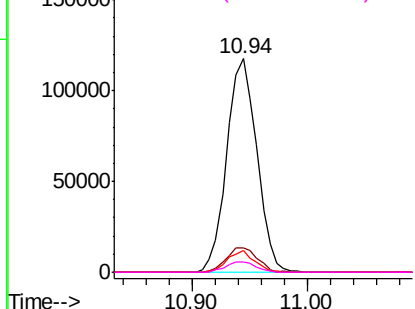
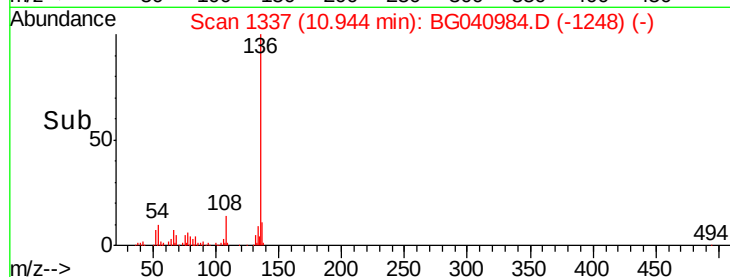
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

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

Tgt Ion:	136	Resp:	212367
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.5	14.3
54	9.9	7.6	11.4
68	4.7	3.9	5.9

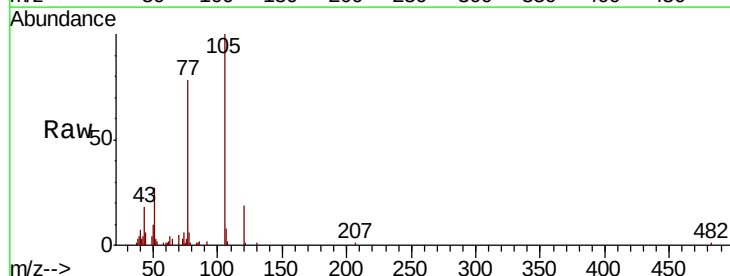


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

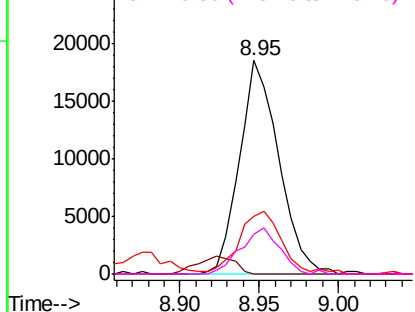
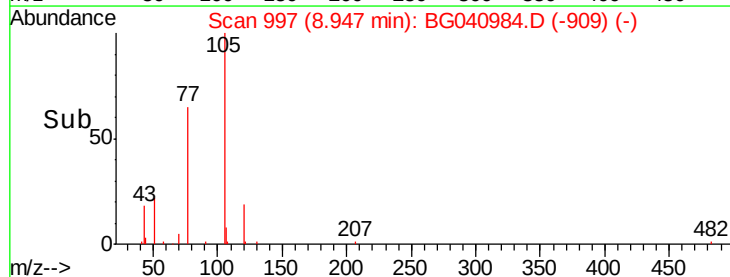


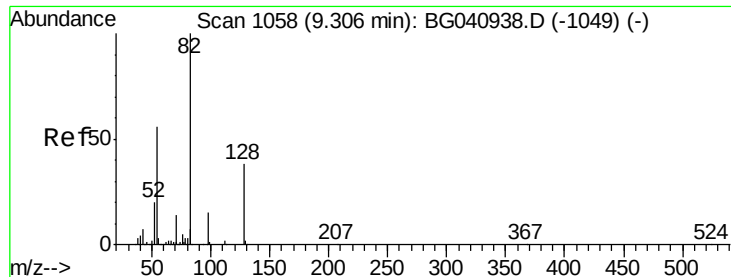
#22
Acetophenone
Concen: 5.353 ng
RT: 8.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:	105	Resp:	31892
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.4	0.6#
51	26.8	27.0	40.6#
120	18.5	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

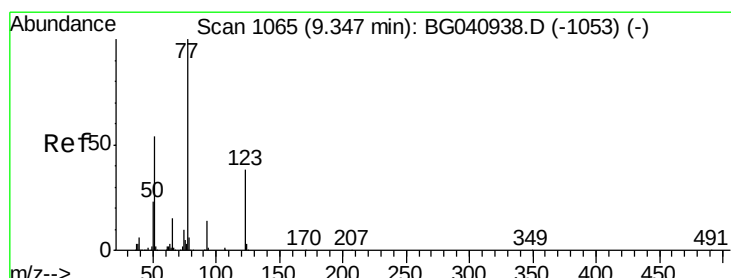
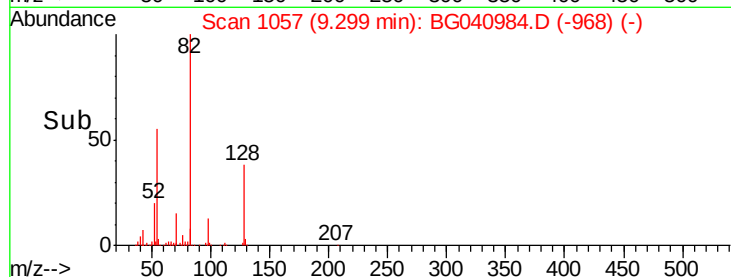
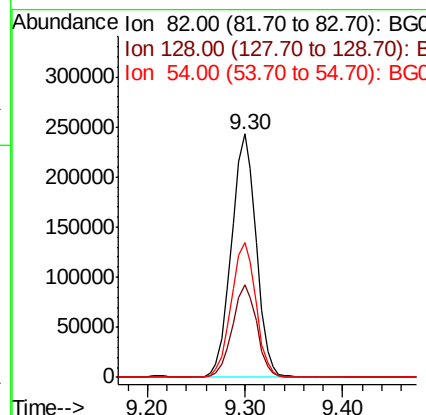
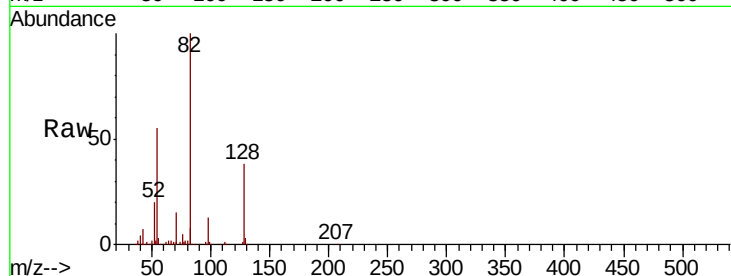




#23
 Nitrobenzene-d5
 Concen: 89.481 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

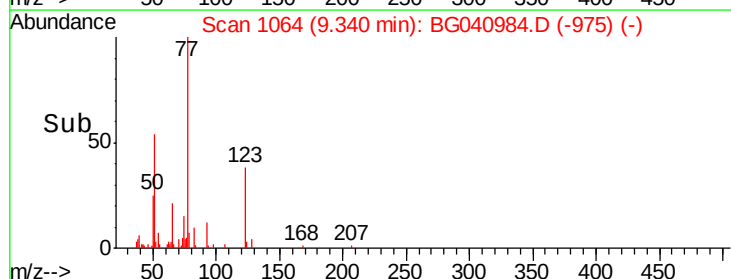
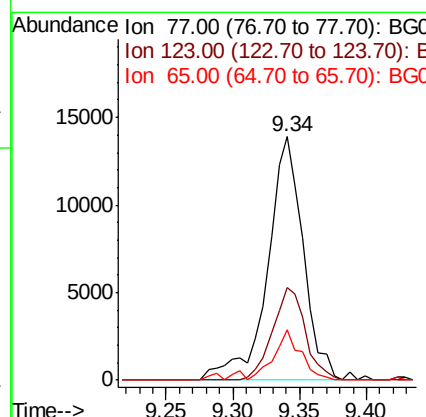
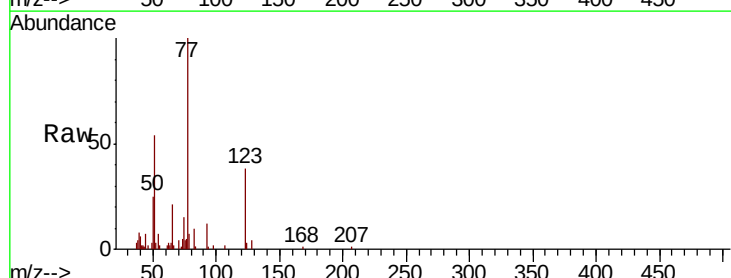
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

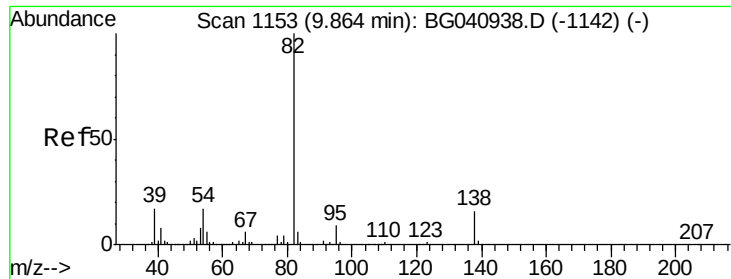
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.9	30.5	45.7
54	55.3	44.6	66.8



#24
 Nitrobenzene
 Concen: 5.297 ng
 RT: 9.34 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.9	30.6	46.0
65	20.8	12.3	18.5





#25

Isophorone

Concen: 4.951 ng

RT: 9.85 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

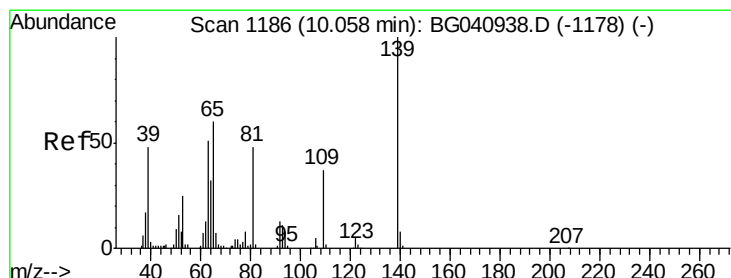
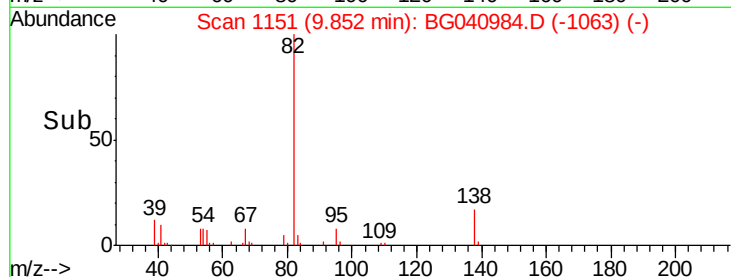
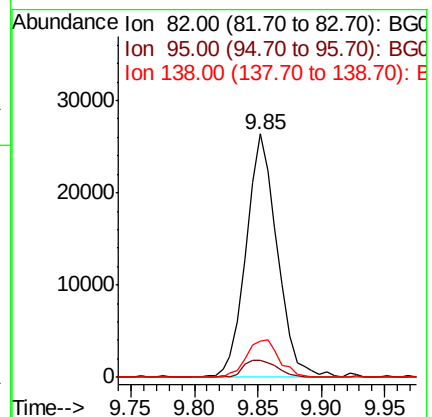
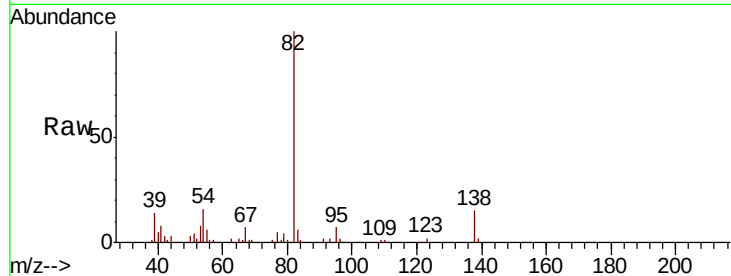
Tgt Ion: 82 Resp: 45070

Ion Ratio Lower Upper

82 100

95 6.8 7.0 10.4#

138 14.7 12.6 19.0



#26

2-Nitrophenol

Concen: 4.682 ng

RT: 10.06 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

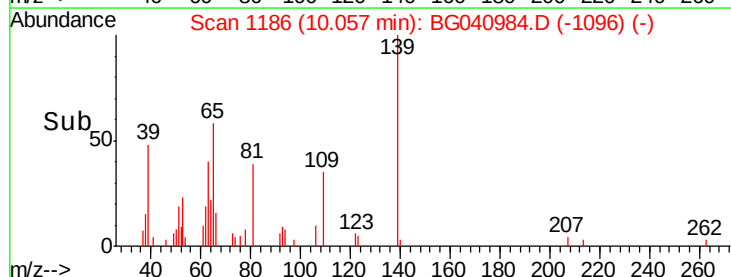
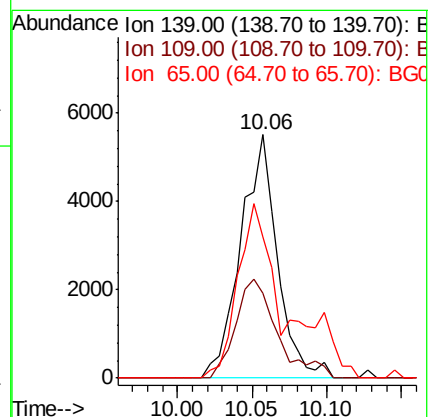
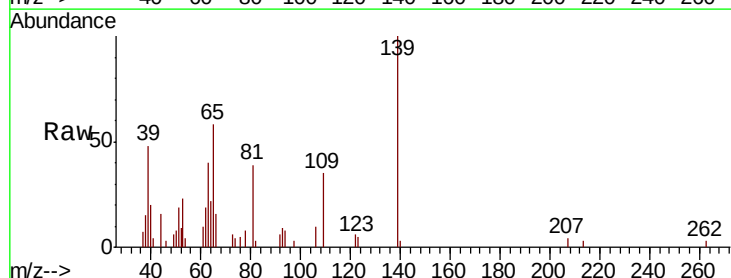
Tgt Ion: 139 Resp: 9409

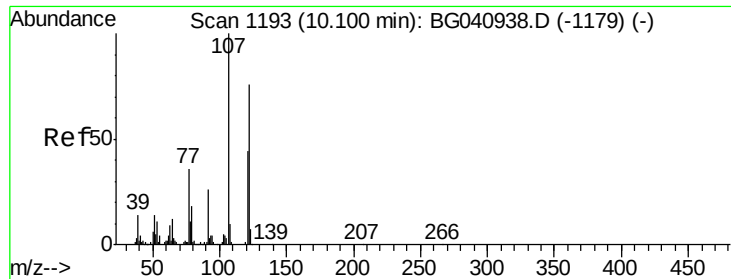
Ion Ratio Lower Upper

139 100

109 35.0 29.8 44.6

65 57.9 47.8 71.6

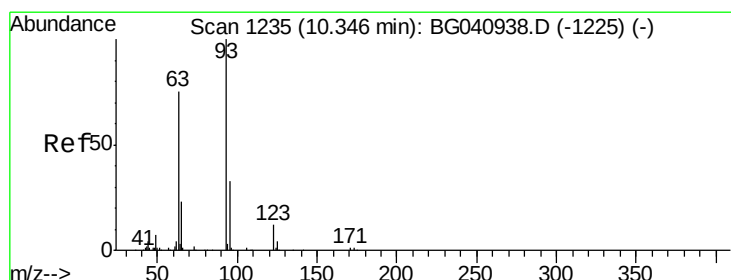
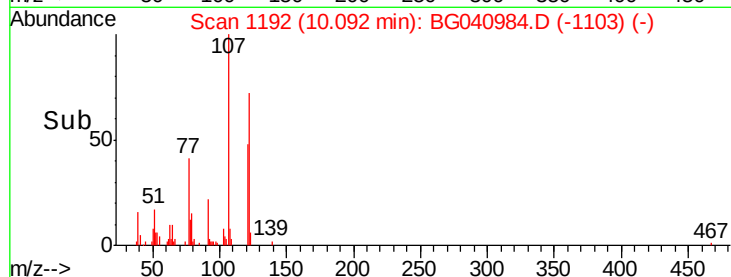
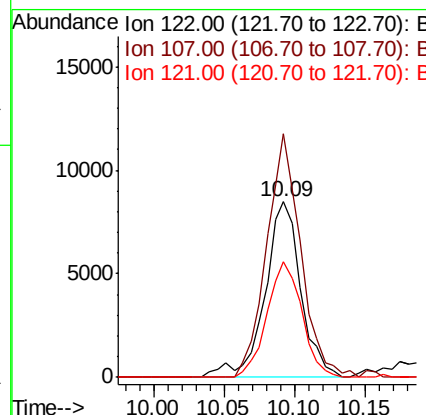
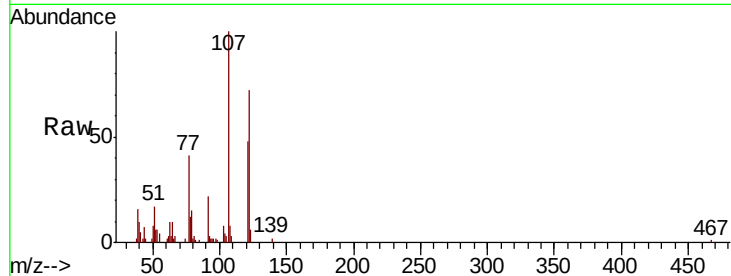




#27
2,4-Dimethylphenol
Concen: 4.549 ng
RT: 10.09 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

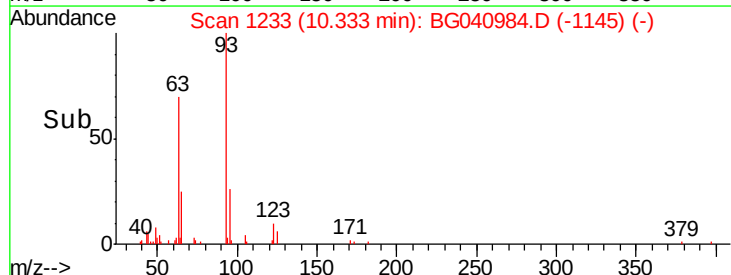
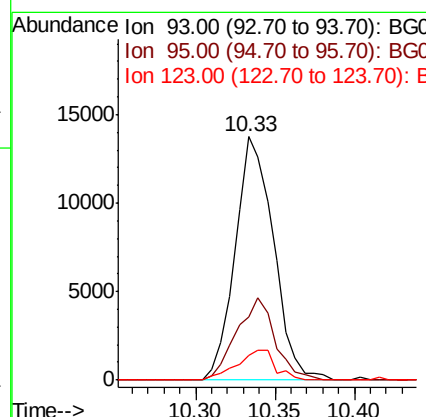
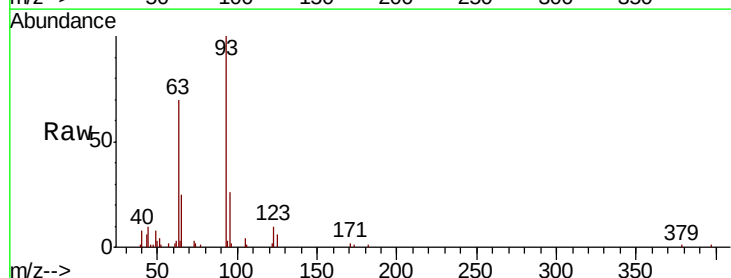
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

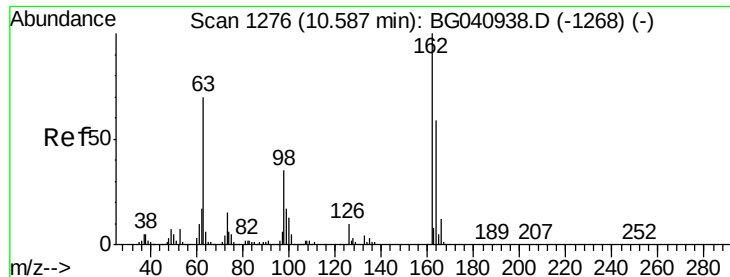
Tgt Ion	Ratio	Lower	Upper
122	100		
107	138.6	105.9	158.9
121	65.9	46.2	69.4



#28
bis(2-Chloroethoxy)methane
Concen: 4.682 ng
RT: 10.33 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	25.8	26.2	39.2#
123	10.3	9.5	14.3

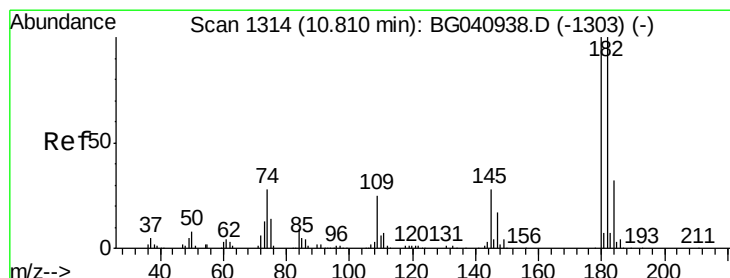
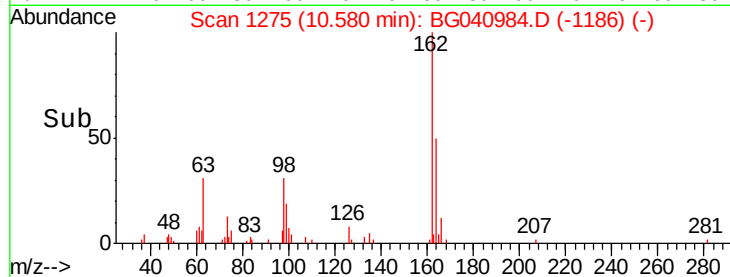
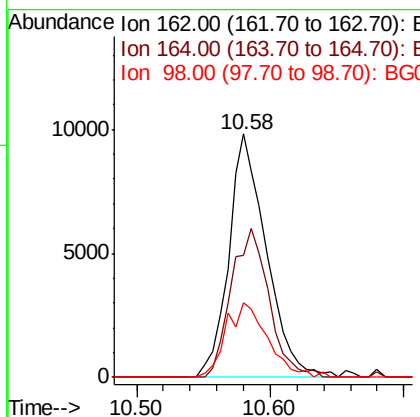
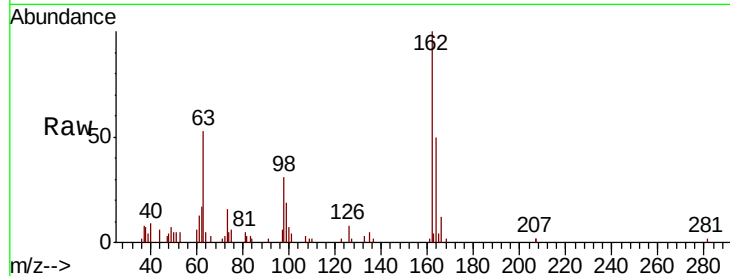




#29
2,4-Dichlorophenol
Concen: 4.551 ng
RT: 10.58 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

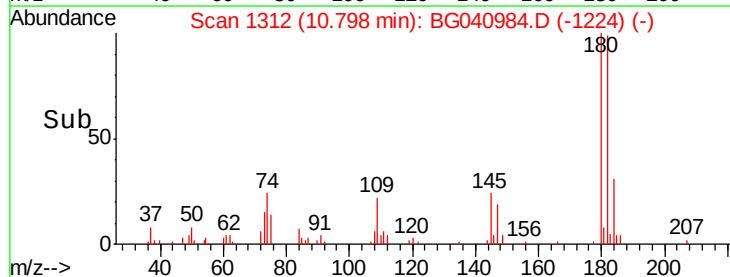
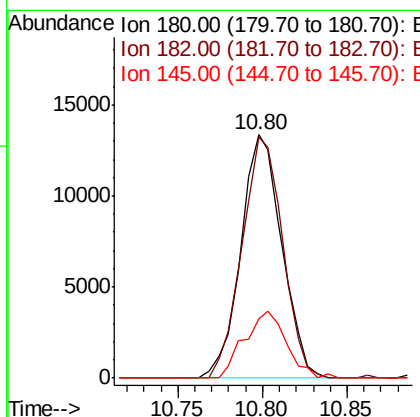
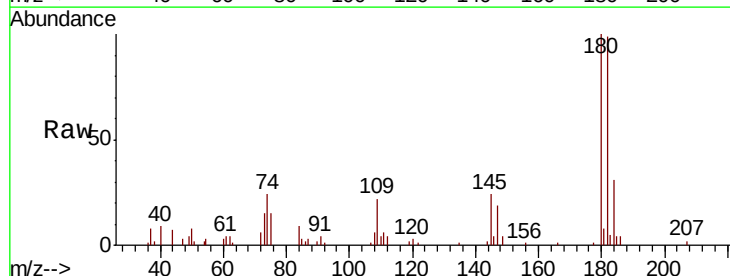
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

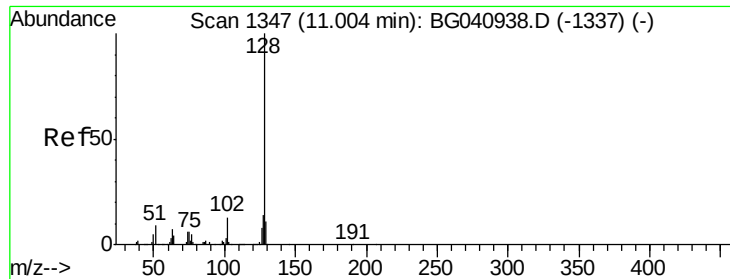
Tgt Ion	Ratio	Lower	Upper
162	100		
164	50.1	39.4	79.4
98	30.6	15.3	55.3



#30
1,2,4-Trichlorobenzene
Concen: 4.702 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	79.7	119.5
145	24.4	22.6	34.0

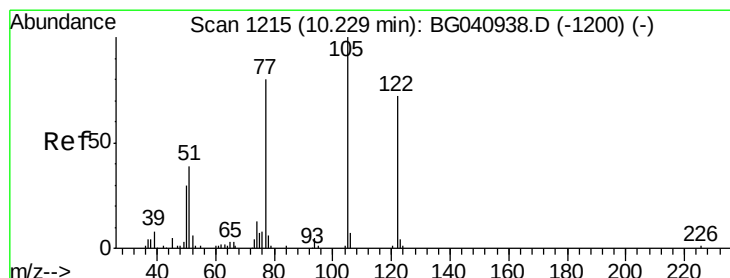
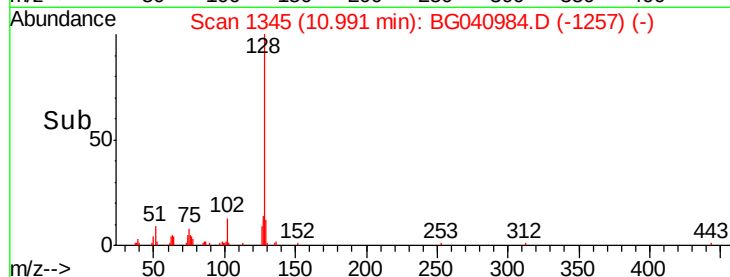
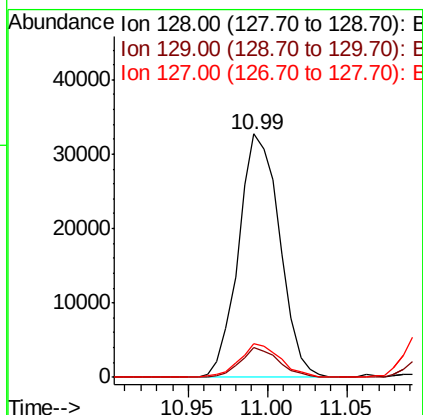
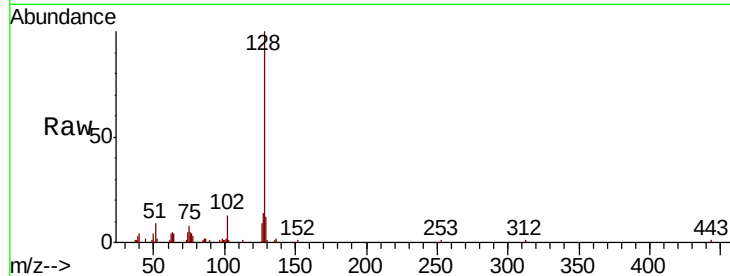




#31
Naphthalene
Concen: 5.168 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

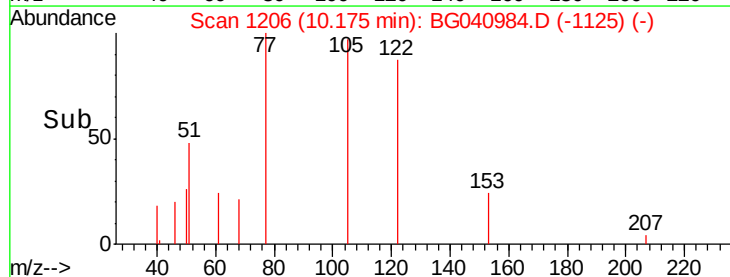
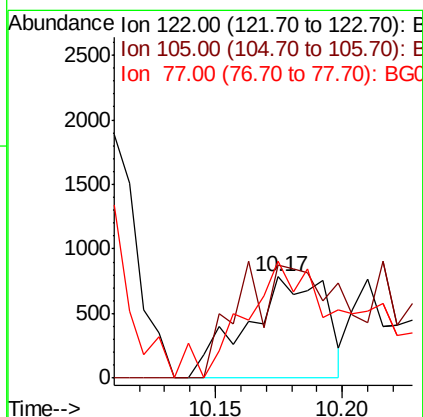
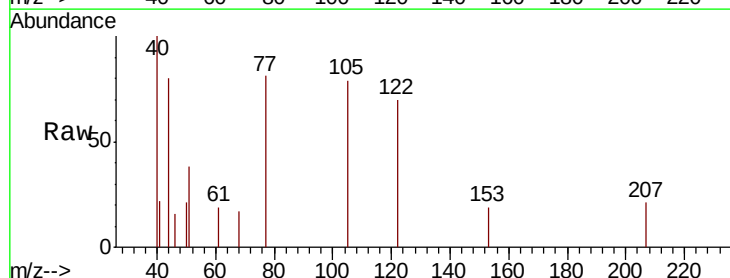
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

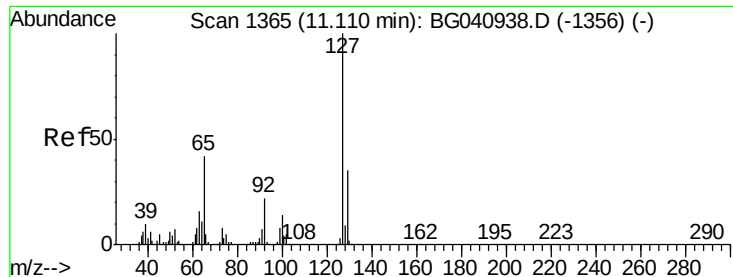
Tgt Ion:128 Resp: 58922
Ion Ratio Lower Upper
128 100
129 12.0 8.5 12.7
127 14.0 11.4 17.2



#32
Benzoic acid
Concen: 8.674 ng
RT: 10.17 min Scan# 1206
Delta R.T. -0.05 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:122 Resp: 1691
Ion Ratio Lower Upper
122 100
105 112.1 114.8 154.8#
77 115.1 89.9 129.9

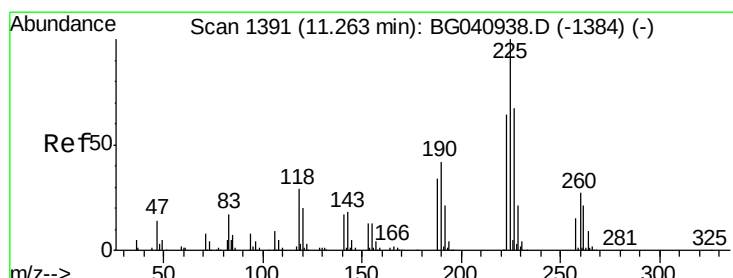
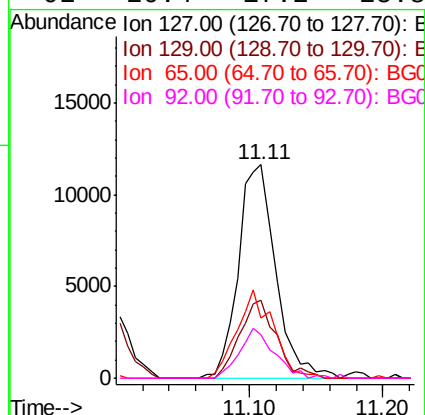
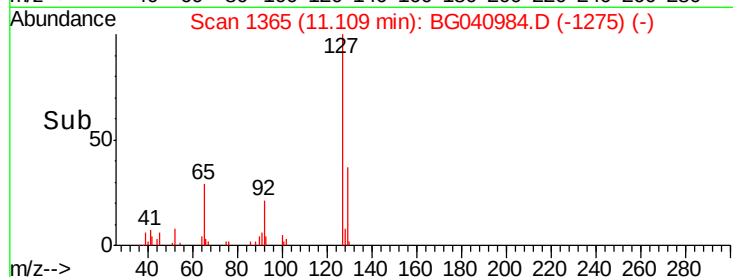
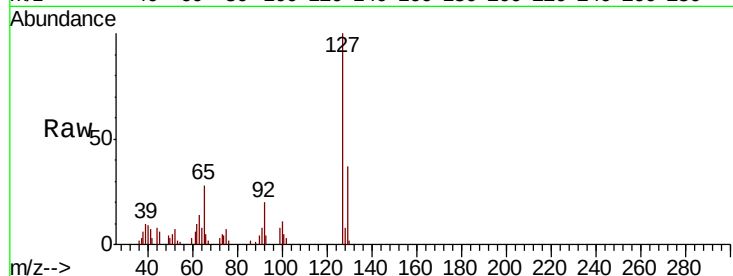




#33
4-Chloroaniline
Concen: 4.245 ng
RT: 11.11 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

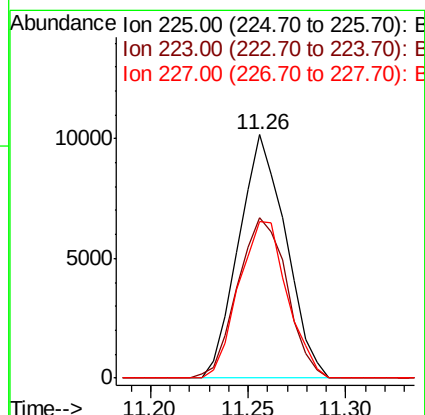
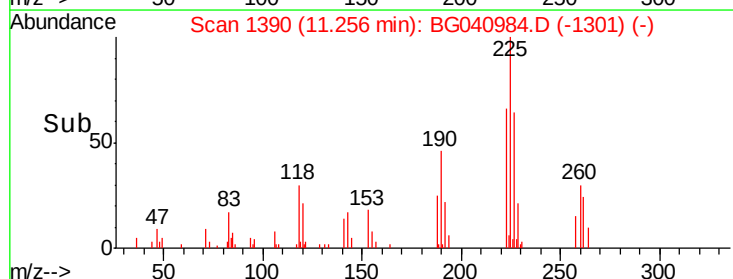
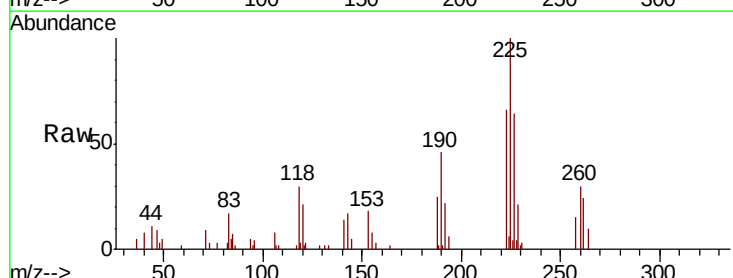
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

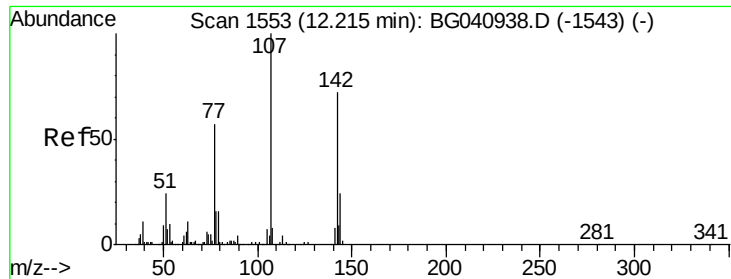
Tgt Ion:	127	Resp:	22457
Ion	Ratio	Lower	Upper
127	100		
129	36.7	27.7	41.5
65	28.2	33.2	49.8
92	20.4	17.2	25.8



#34
Hexachlorobutadiene
Concen: 4.627 ng
RT: 11.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:	225	Resp:	16977
Ion	Ratio	Lower	Upper
225	100		
223	66.1	48.8	73.2
227	68.4	51.4	77.0

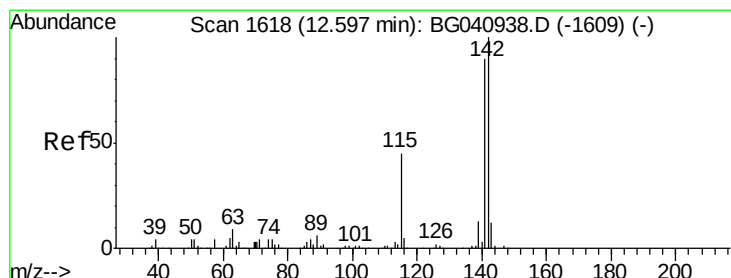
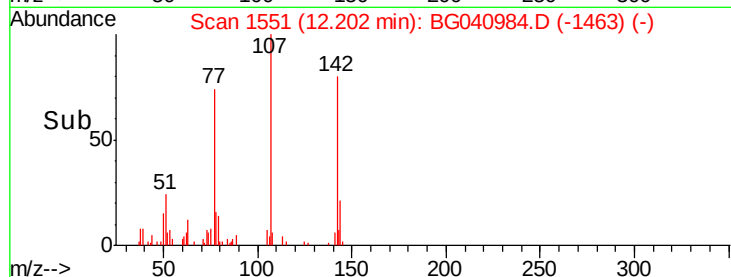
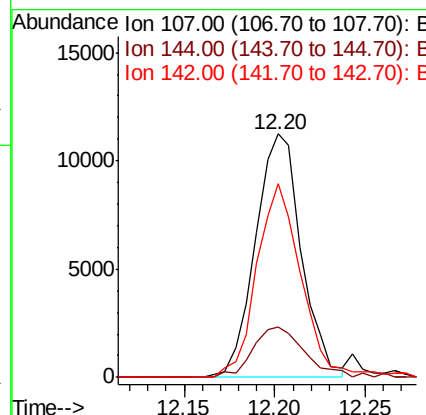
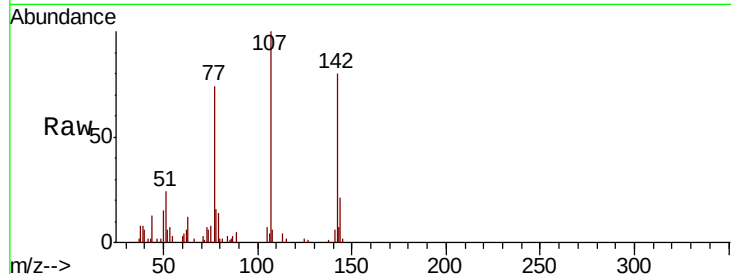




#36
 4-Chloro-3-methylphenol
 Concen: 4.107 ng
 RT: 12.20 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

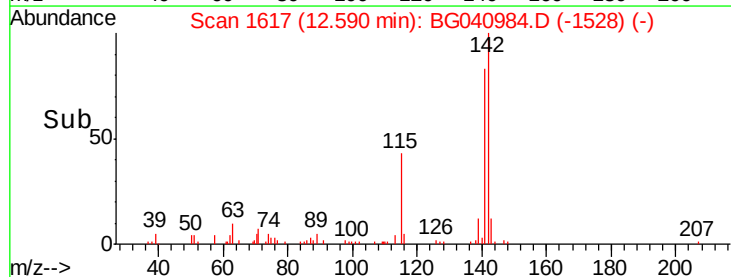
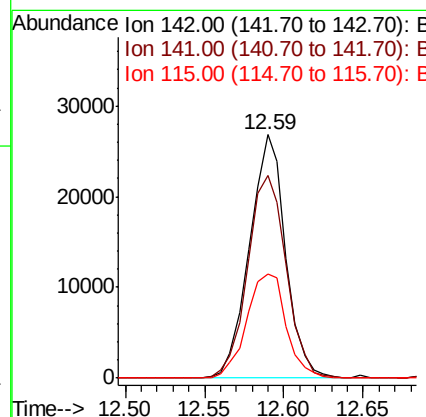
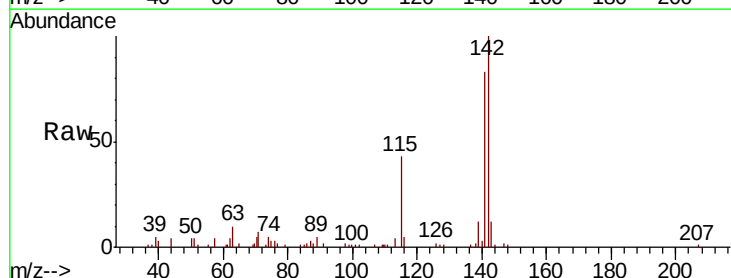
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

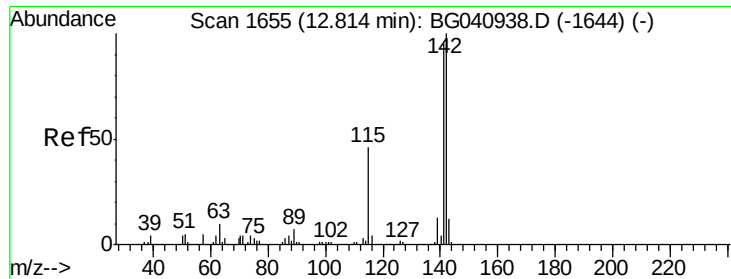
Tgt Ion:107 Resp: 19772
 Ion Ratio Lower Upper
 107 100
 144 20.8 19.4 29.0
 142 79.5 57.3 85.9



#37
 2-Methylnaphthalene
 Concen: 4.818 ng
 RT: 12.59 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:142 Resp: 42309
 Ion Ratio Lower Upper
 142 100
 141 83.4 72.2 108.4
 115 42.8 36.2 54.4

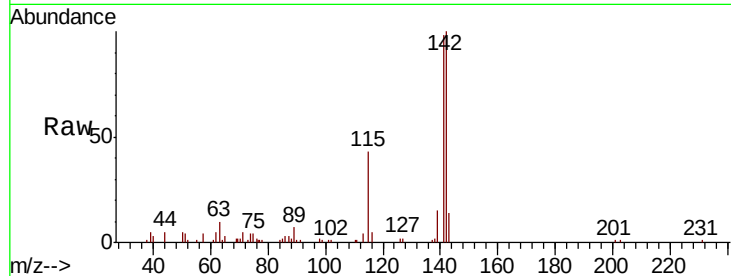




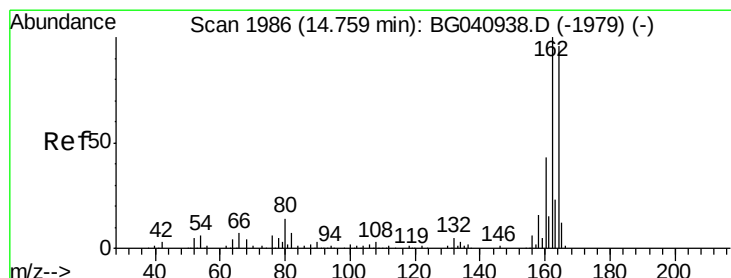
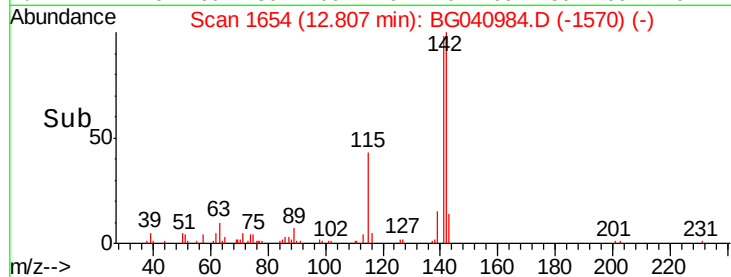
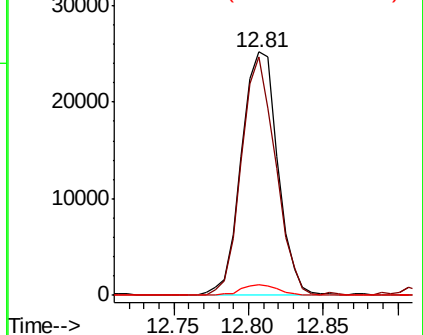
#38
1-Methylnaphthalene
Concen: 5.144 ng
RT: 12.81 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

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

Tgt Ion:142 Resp: 42570
Ion Ratio Lower Upper
142 100
141 97.7 75.7 113.5
116 4.6 3.4 5.2

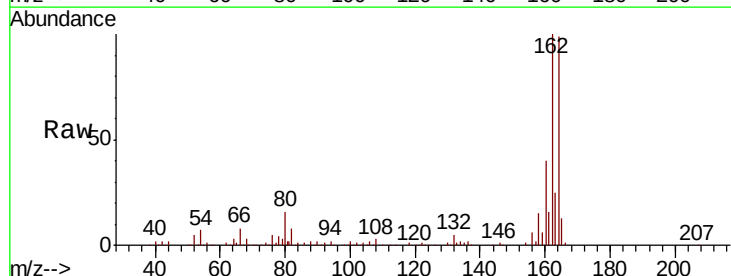


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

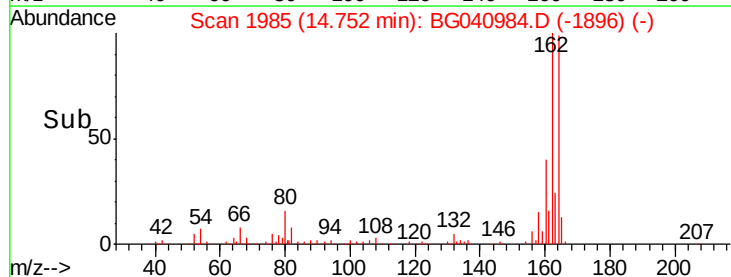
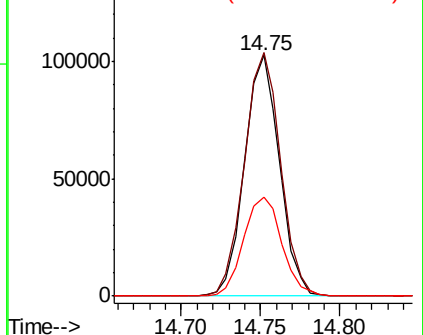


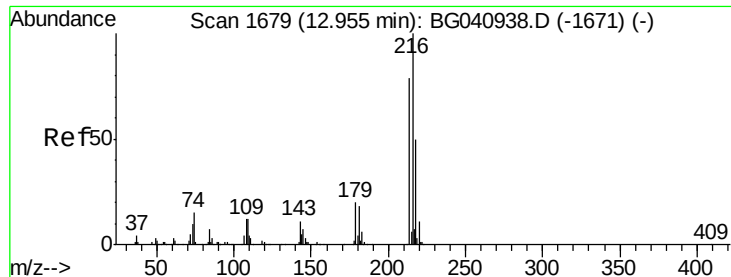
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:164 Resp: 156607
Ion Ratio Lower Upper
164 100
162 101.0 83.0 124.4
160 40.8 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

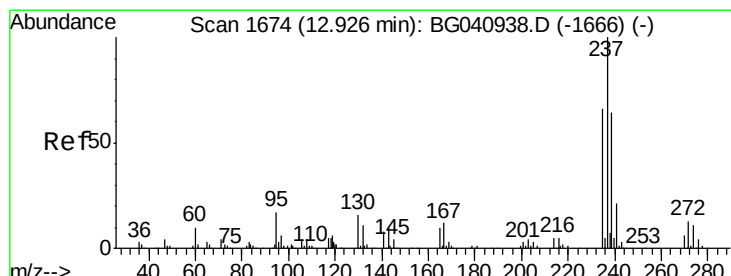
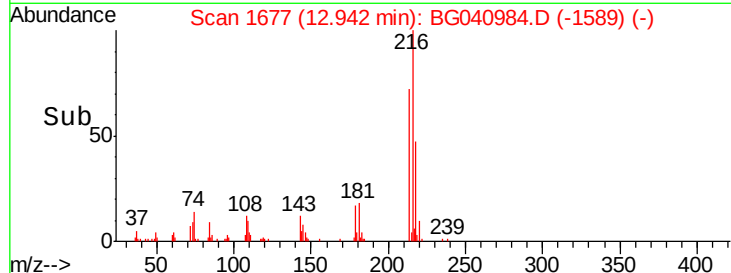
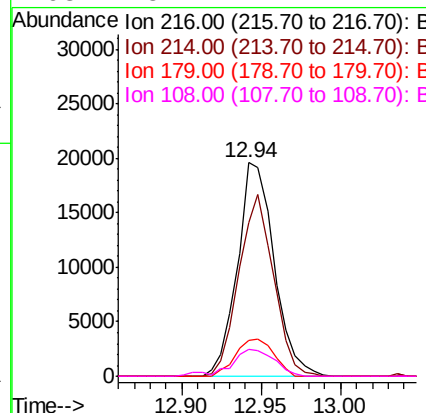
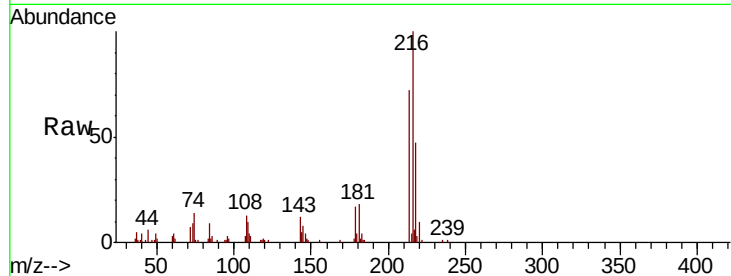




#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.999 ng
 RT: 12.94 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

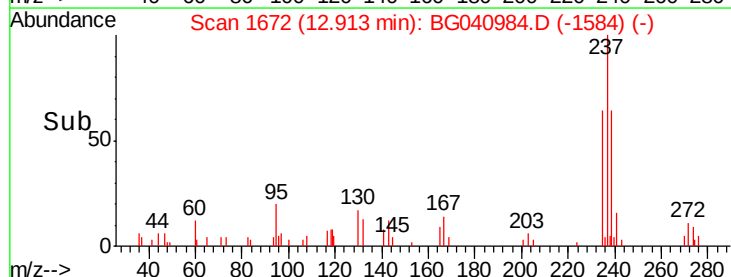
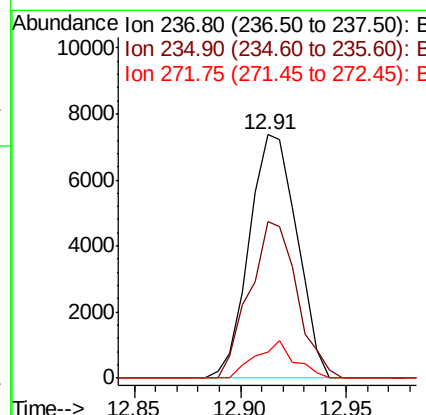
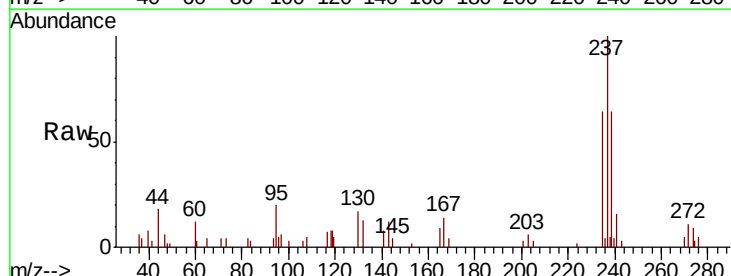
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

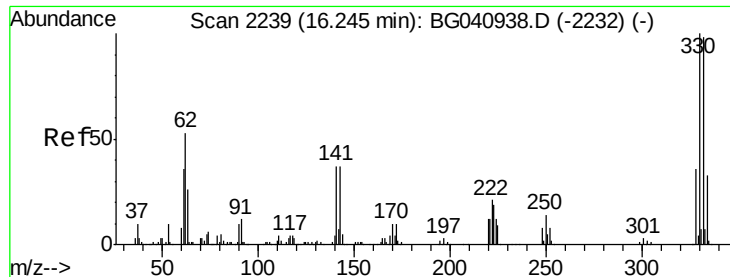
Tgt Ion:	216	Resp:	31557
Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.4	95.2
179	17.8	15.2	22.8
108	15.1	11.4	17.2



#41
 Hexachlorocyclopentadiene
 Concen: 11.293 ng
 RT: 12.91 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:	237	Resp:	11564
Ion	Ratio	Lower	Upper
237	100		
235	64.2	45.5	85.5
272	10.8	0.0	32.9

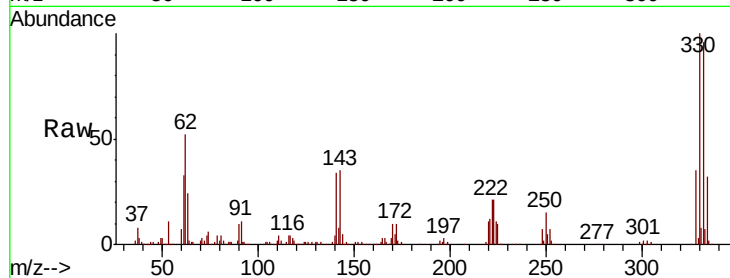




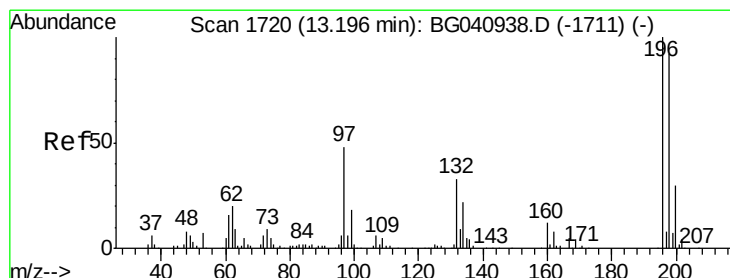
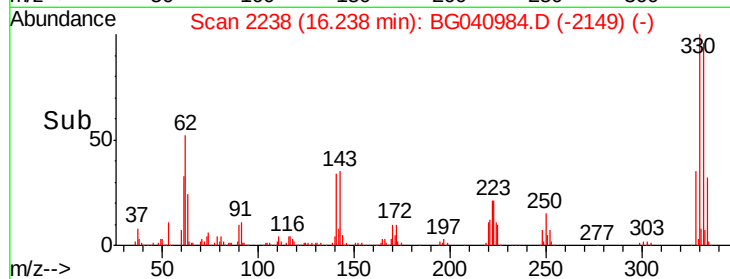
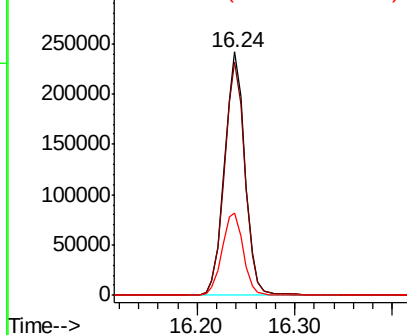
#42
 2,4,6-Tribromophenol
 Concen: 150.768 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

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

Tgt Ion:330 Resp: 350527
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.5 117.7
 141 35.2 28.7 43.1

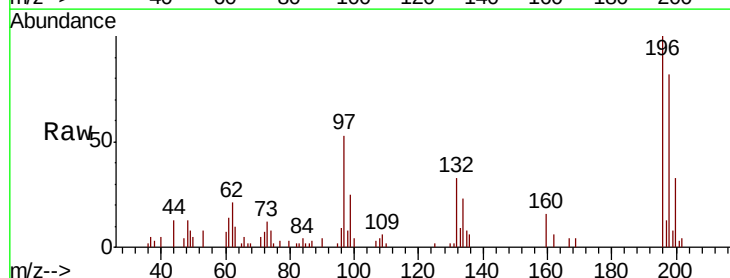


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

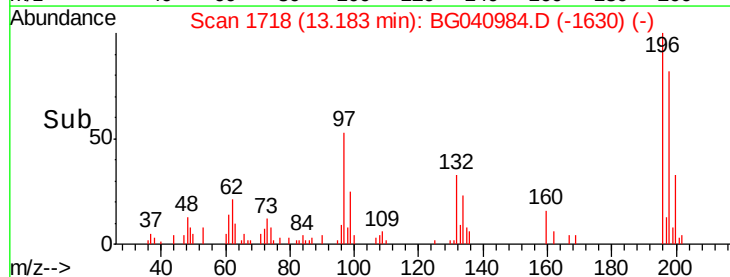
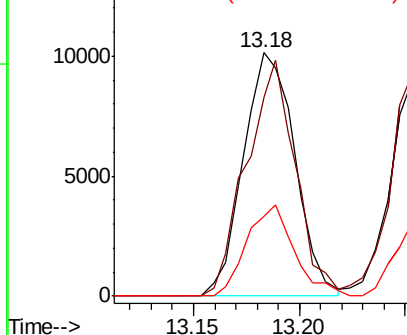


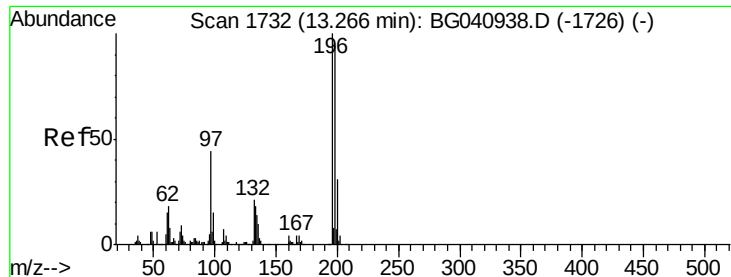
#43
 2,4,6-Trichlorophenol
 Concen: 4.211 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:196 Resp: 17195
 Ion Ratio Lower Upper
 196 100
 198 81.6 73.8 110.6
 200 32.9 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

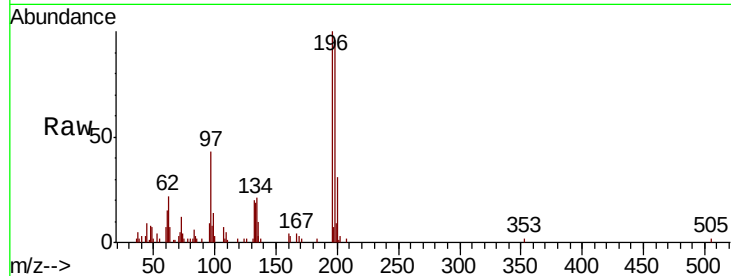




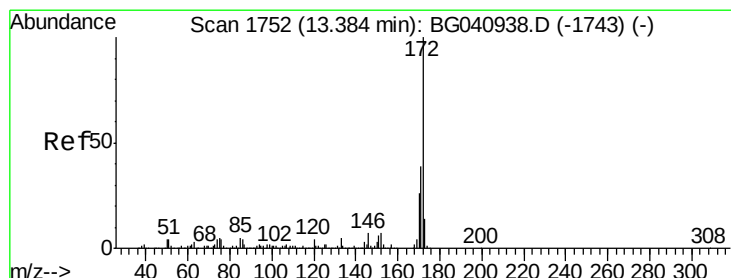
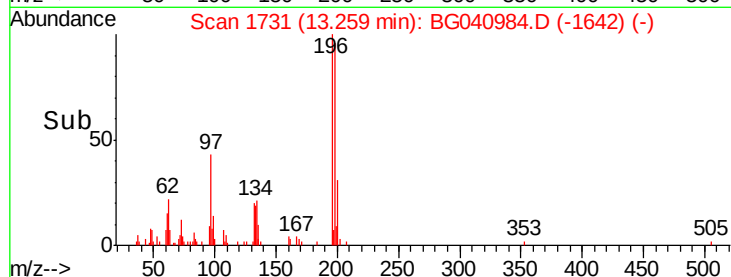
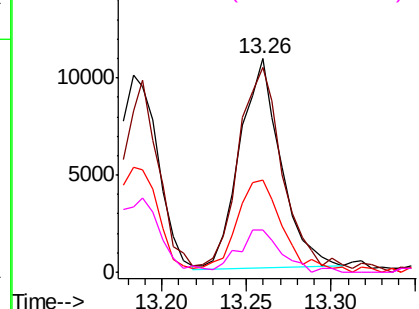
#44
 2,4,5-Trichlorophenol
 Concen: 4.256 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

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

Tgt Ion:	196	Resp:	18329
Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.1	112.7
97	43.0	35.6	53.4
132	20.1	16.7	25.1

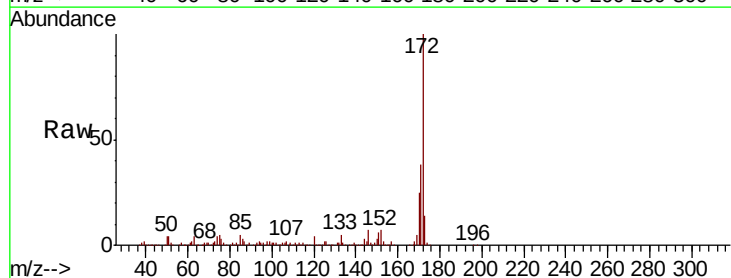


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

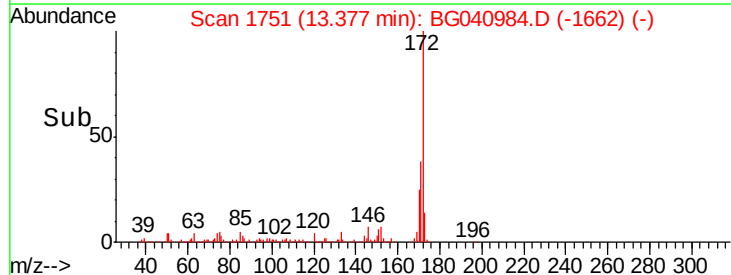
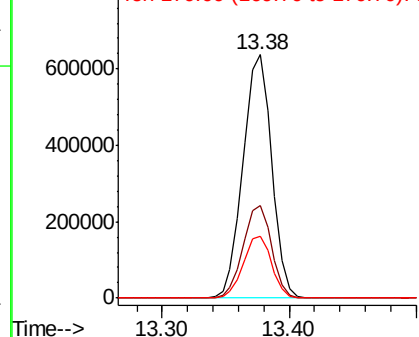


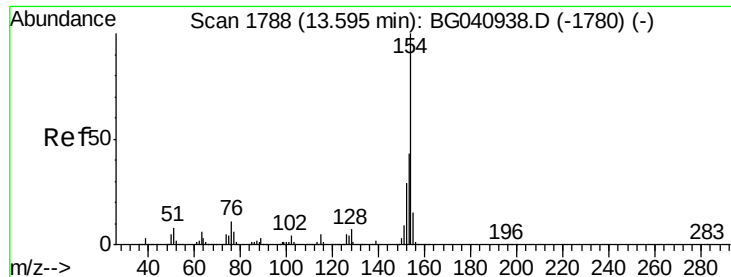
#45
 2-Fluorobiphenyl
 Concen: 91.873 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:	172	Resp:	999085
Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.1	46.7
170	25.2	20.5	30.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

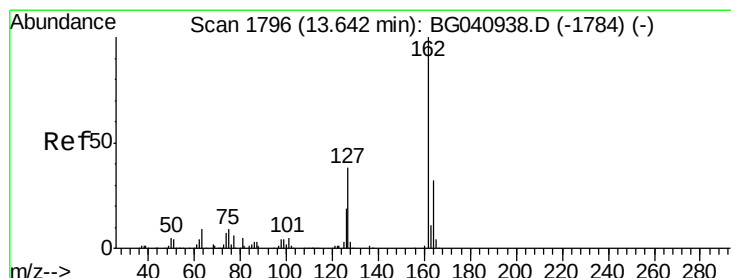
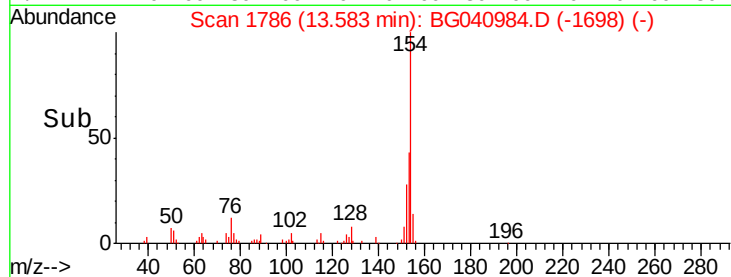
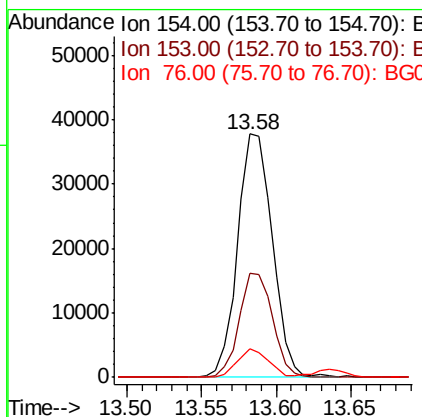
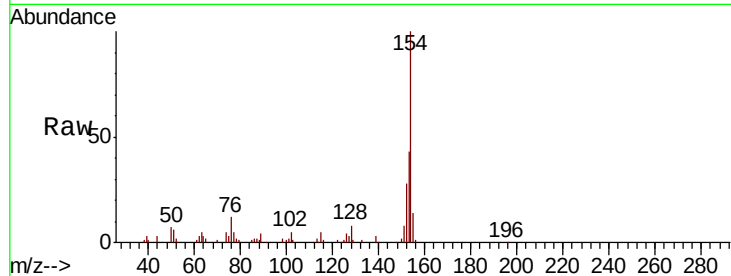




#46
 1,1'-Biphenyl
 Concen: 5.257 ng
 RT: 13.58 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

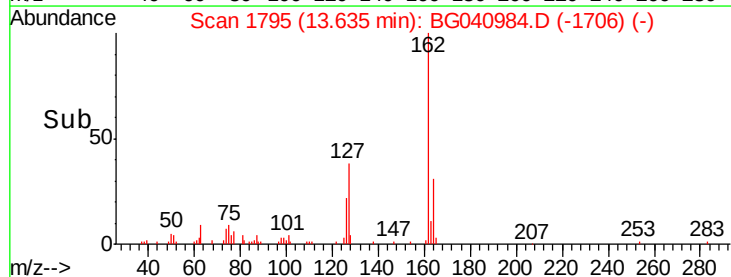
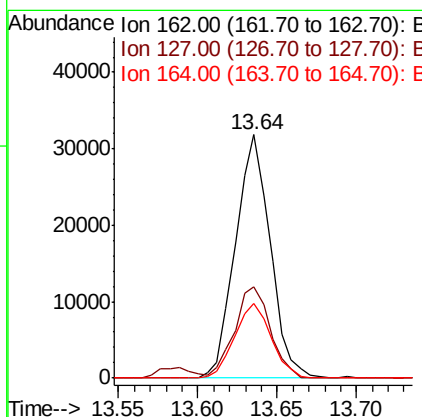
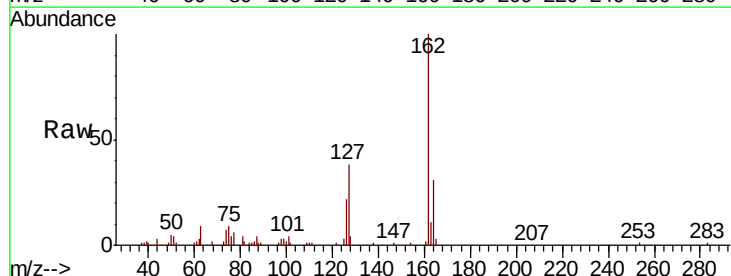
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

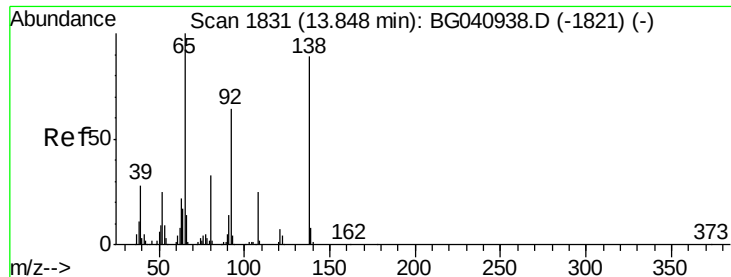
Tgt Ion:154	Resp:	60943
Ion Ratio	Lower	Upper
154	100	
153	42.5	23.3 63.3
76	11.7	0.0 31.1



#47
 2-Chloronaphthalene
 Concen: 4.858 ng
 RT: 13.64 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:162	Resp:	48343
Ion Ratio	Lower	Upper
162	100	
127	37.8	30.5 45.7
164	30.5	25.8 38.6

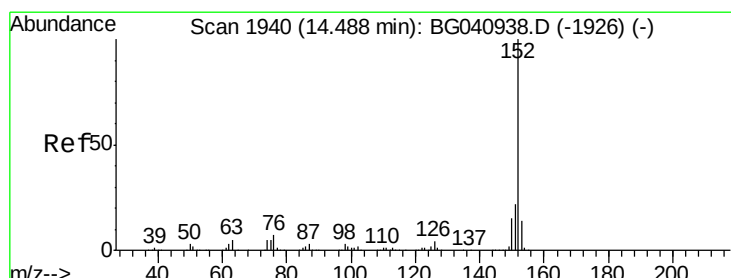
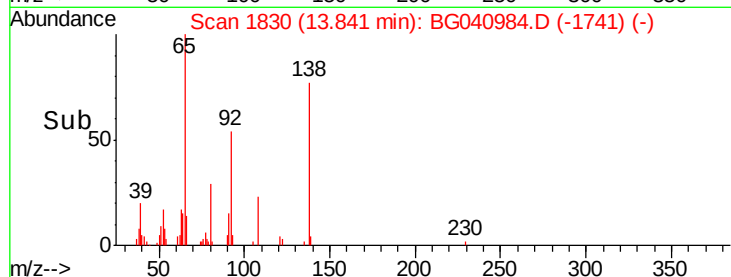
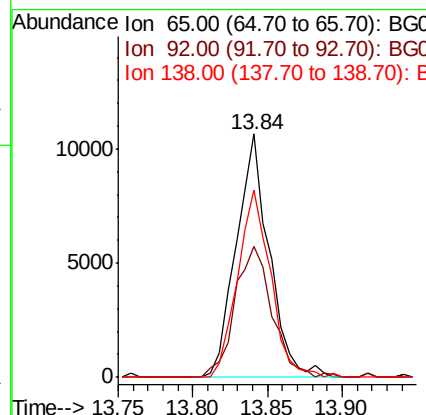
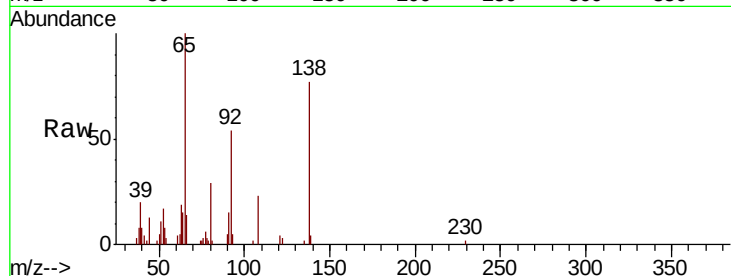




#48
2-Nitroaniline
Concen: 4.592 ng
RT: 13.84 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

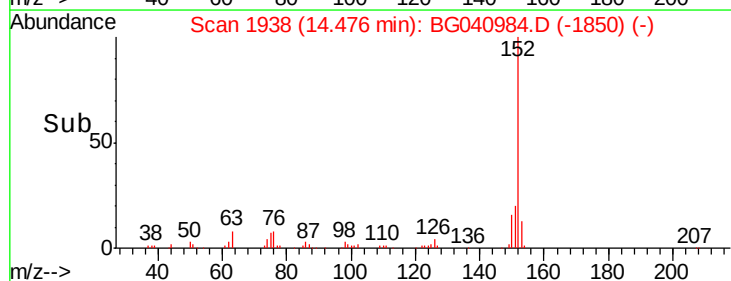
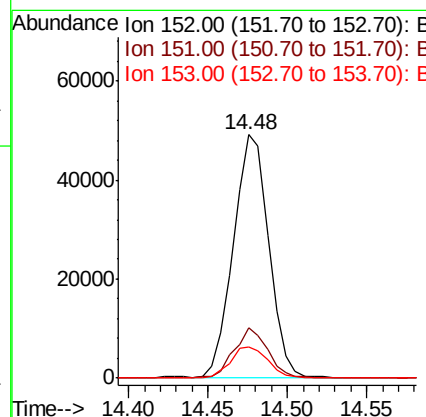
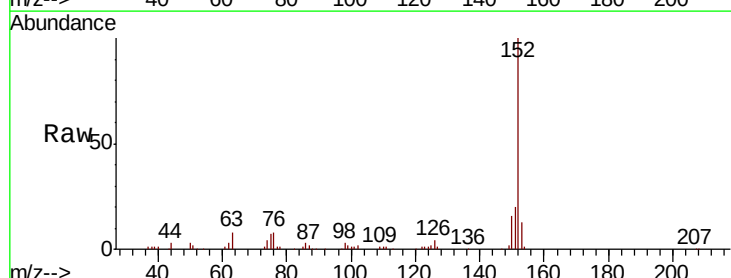
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

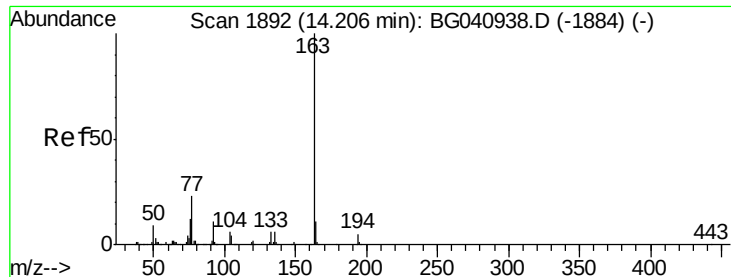
Tgt Ion: 65 Resp: 16394
Ion Ratio Lower Upper
65 100
92 53.6 51.0 76.6
138 76.8 71.2 106.8



#49
Acenaphthylene
Concen: 5.080 ng
RT: 14.48 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion: 152 Resp: 76084
Ion Ratio Lower Upper
152 100
151 20.5 17.4 26.0
153 13.0 11.0 16.4





#50

Dimethylphthalate

Concen: 5.030 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

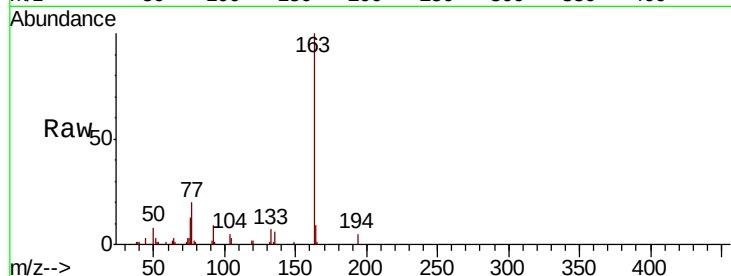
Tgt Ion:163 Resp: 66676

Ion Ratio Lower Upper

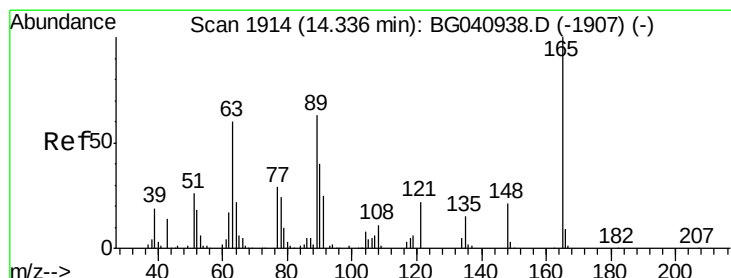
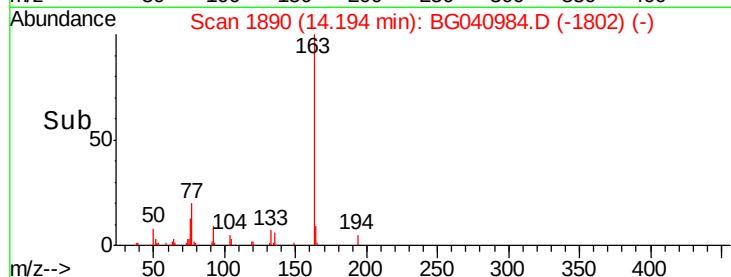
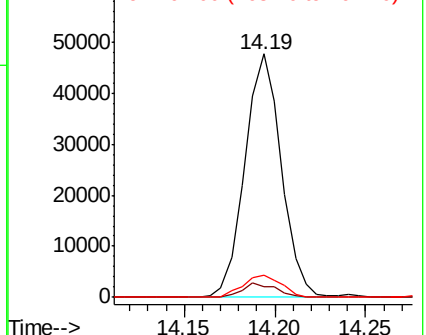
163 100

194 4.5 3.8 5.8

164 9.2 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: 4.684 ng

RT: 14.33 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

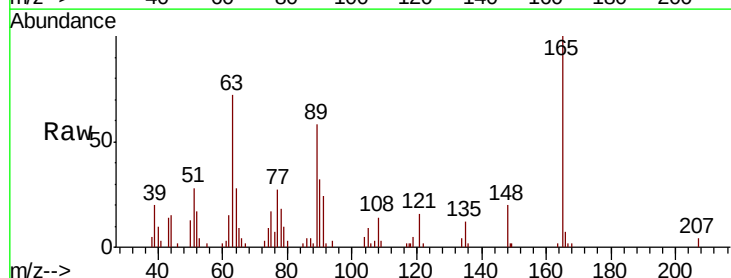
Tgt Ion:165 Resp: 13389

Ion Ratio Lower Upper

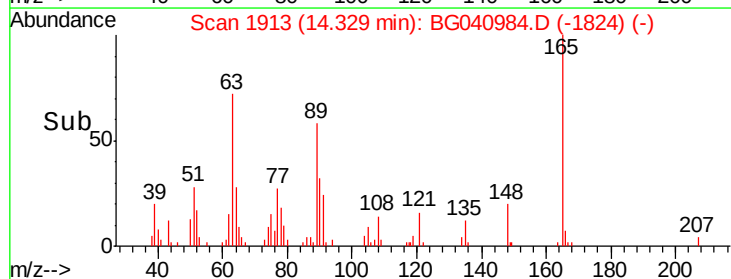
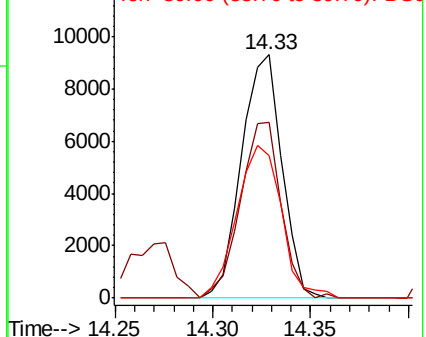
165 100

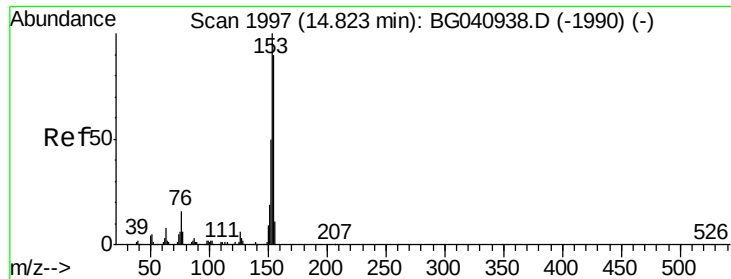
63 72.2 53.6 80.4

89 58.4 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: 4.839 ng

RT: 14.82 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

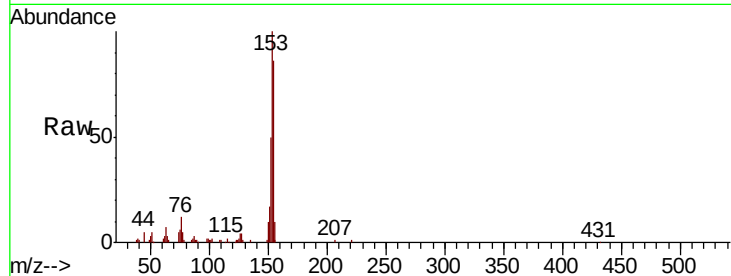
Tgt Ion:154 Resp: 43908

Ion Ratio Lower Upper

154 100

153 115.9 88.6 133.0

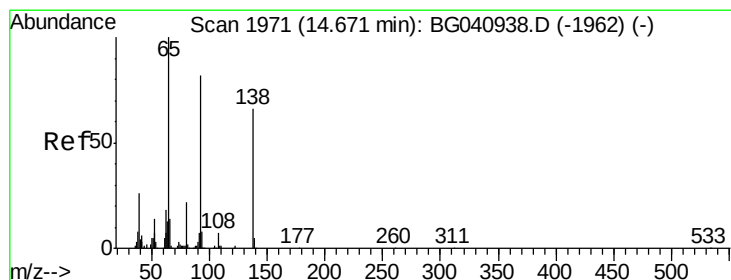
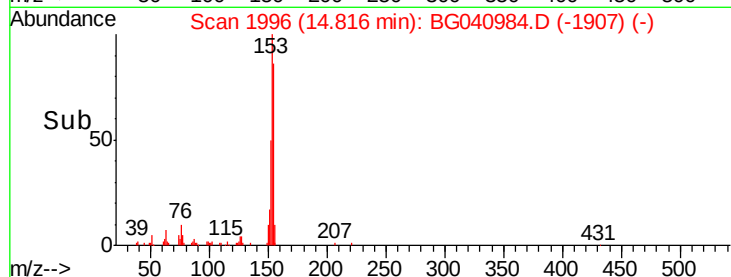
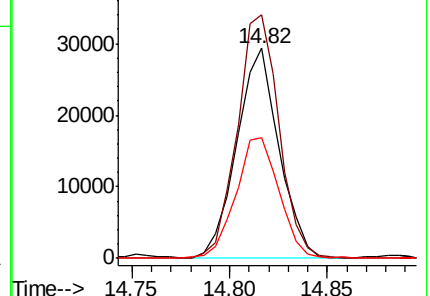
152 57.5 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 4.209 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

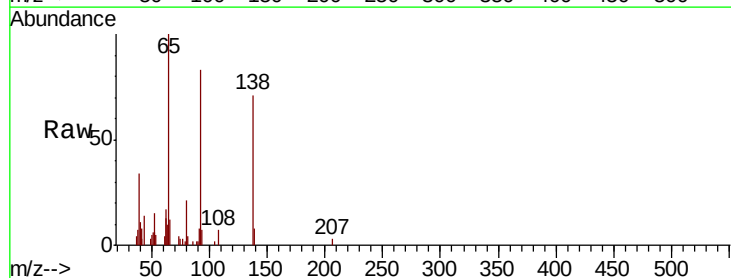
Tgt Ion:138 Resp: 12030

Ion Ratio Lower Upper

138 100

108 10.0 8.5 12.7

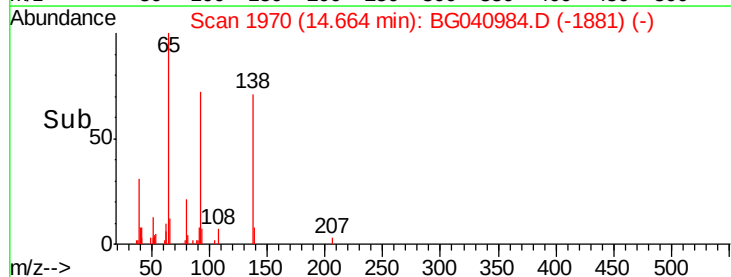
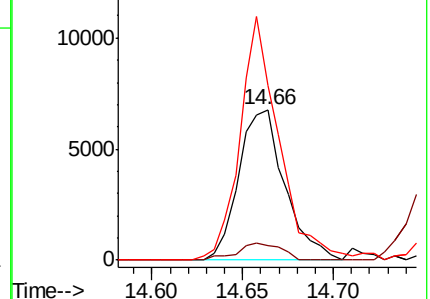
92 115.8 99.0 148.6

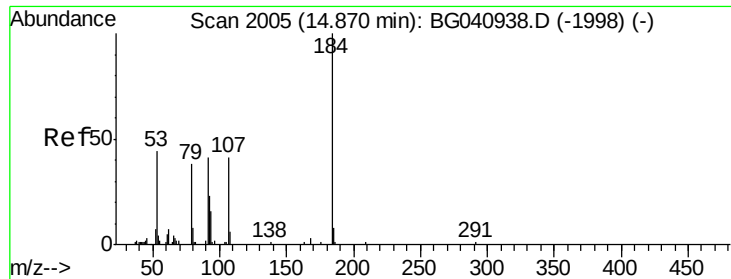


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

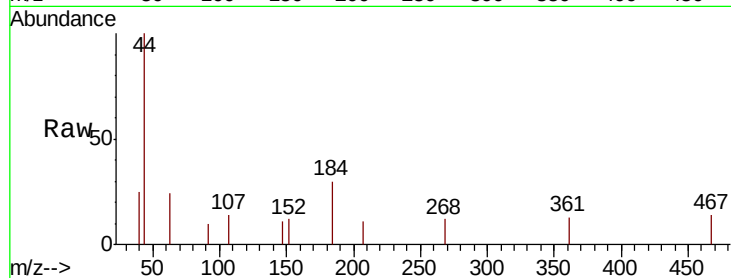




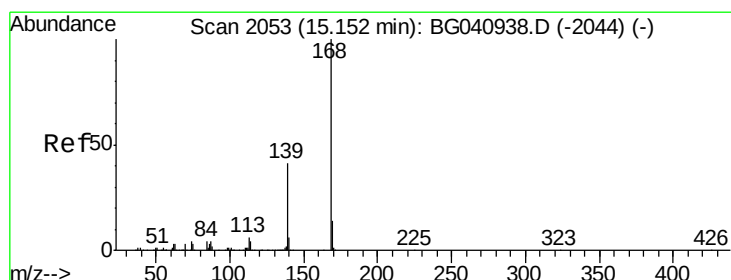
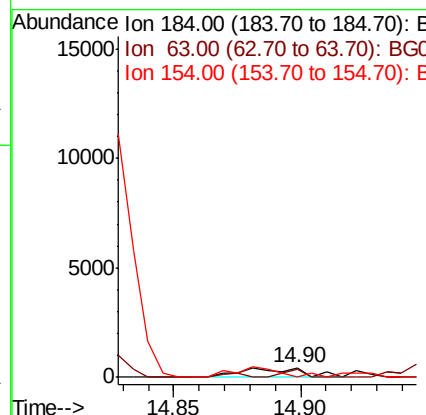
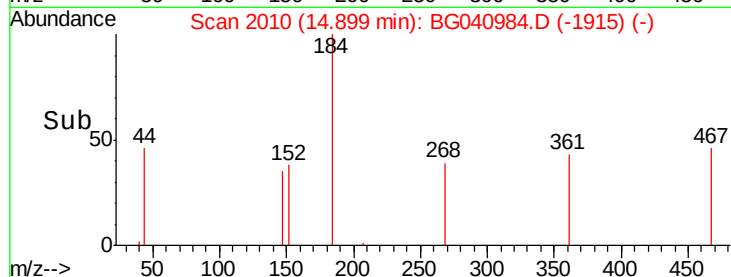
#54
2,4-Dinitrophenol
Concen: 8.897 ng
RT: 14.90 min Scan# 2010
Delta R.T. 0.03 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

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

Tgt Ion:184 Resp: 761
Ion Ratio Lower Upper
184 100
63 79.2 49.8 74.6#
154 0.0 52.2 78.4#

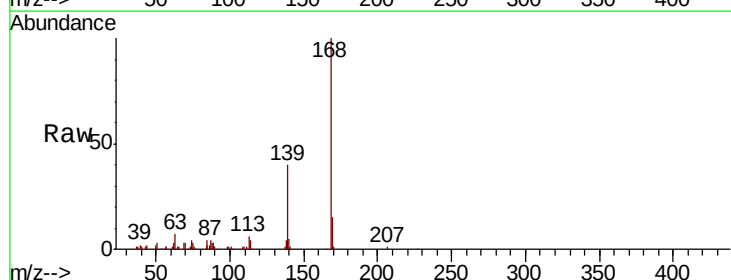


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

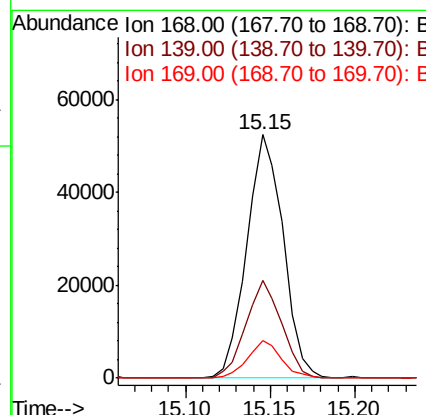
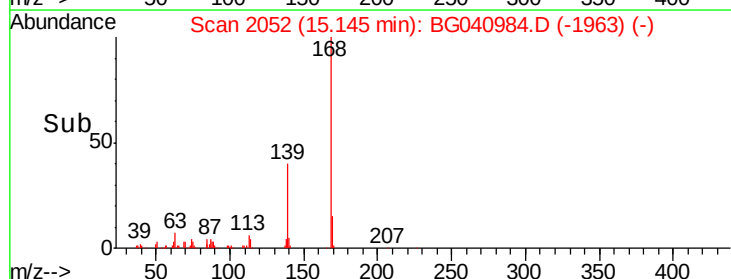


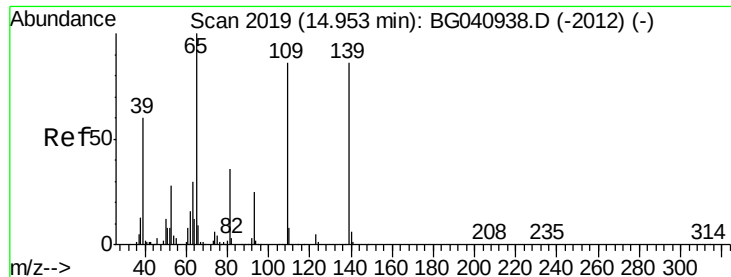
#55
Dibenzofuran
Concen: 5.134 ng
RT: 15.15 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:168 Resp: 78392
Ion Ratio Lower Upper
168 100
139 40.4 32.8 49.2
169 15.4 11.3 16.9



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





#56

4-Nitrophenol

Concen: 3.292 ng

RT: 14.96 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

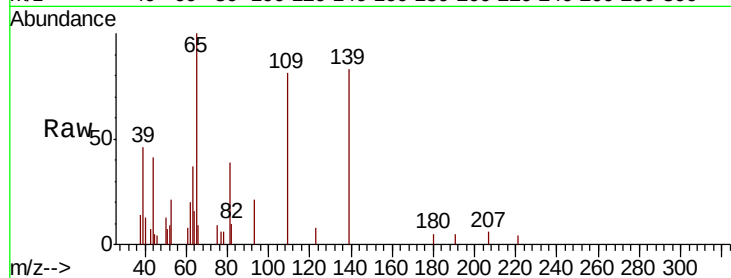
Tgt Ion:139 Resp: 6454

Ion Ratio Lower Upper

139 100

109 97.5 79.6 119.6

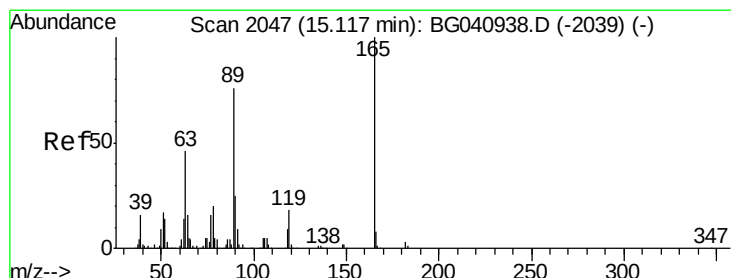
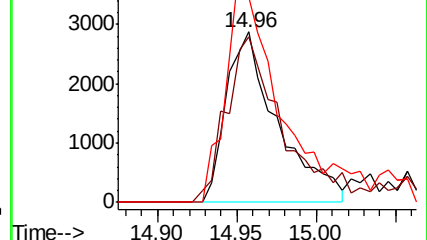
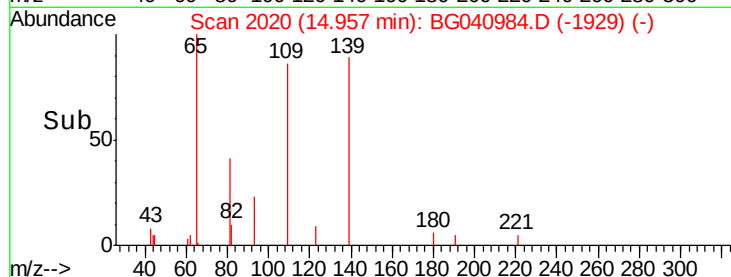
65 120.2 96.9 136.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 4.870 ng

RT: 15.10 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Tgt Ion:165 Resp: 19661

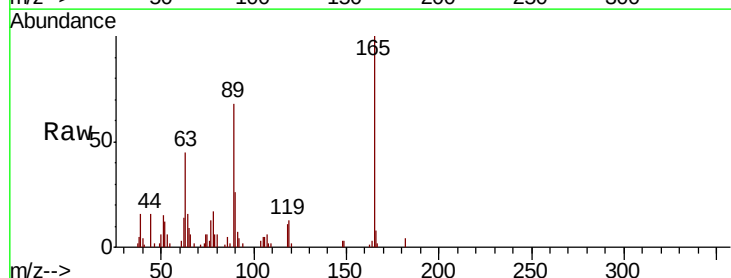
Ion Ratio Lower Upper

165 100

63 45.4 37.3 55.9

89 67.8 61.0 91.6

182 3.9 2.2 3.2#

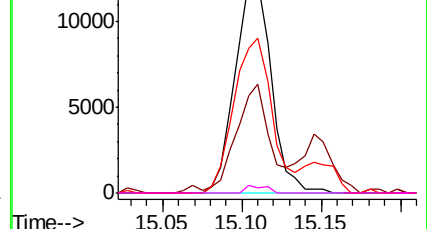
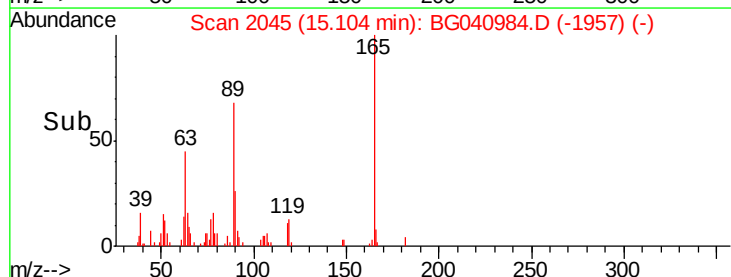


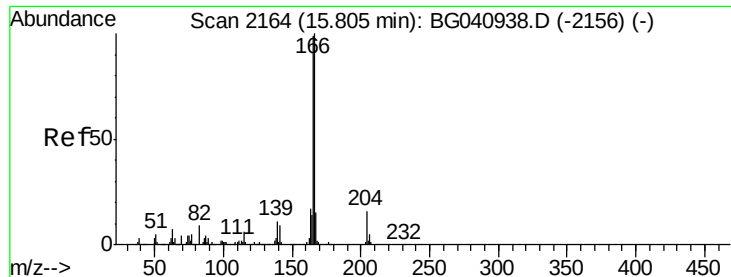
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

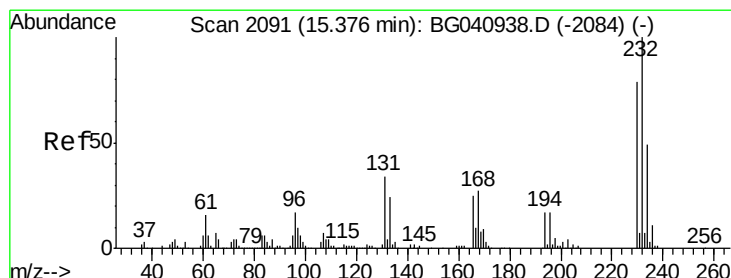
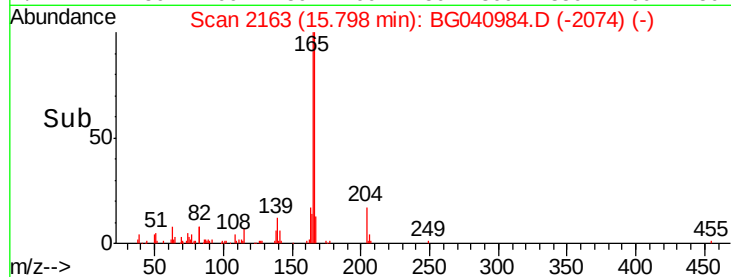
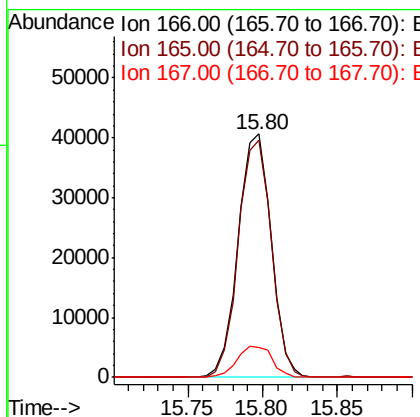
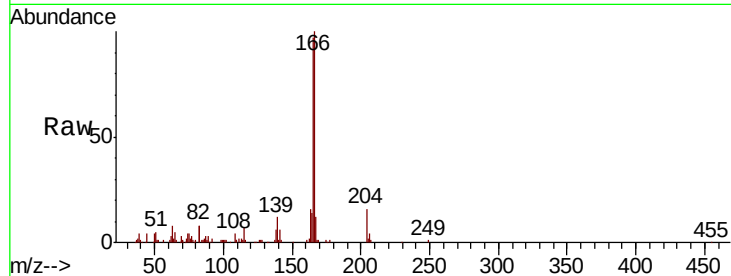




#58
 Fluorene
 Concen: 5.138 ng
 RT: 15.80 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

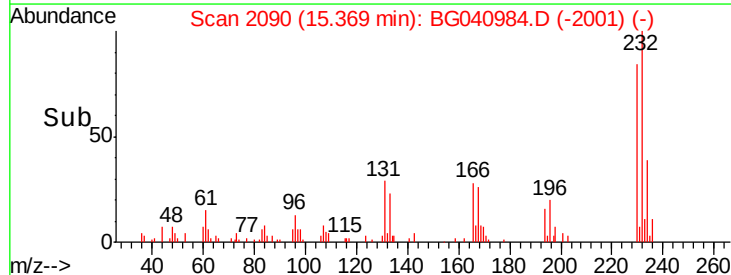
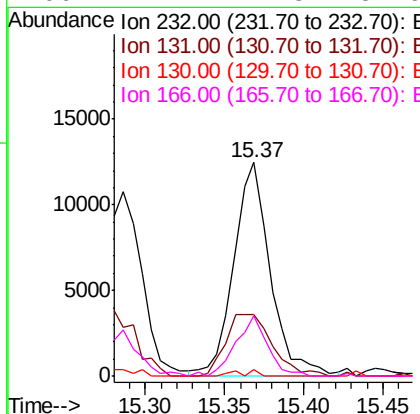
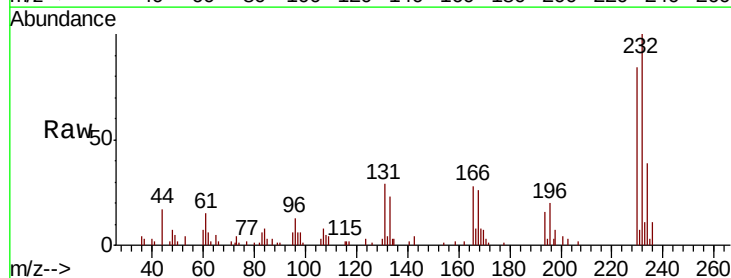
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

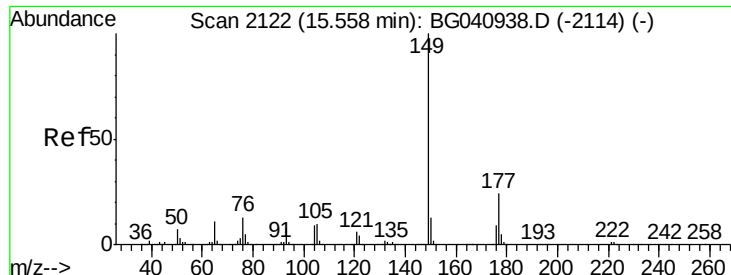
Tgt Ion:166 Resp: 62475
 Ion Ratio Lower Upper
 166 100
 165 97.3 79.2 118.8
 167 12.1 11.8 17.6



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.734 ng
 RT: 15.37 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:232 Resp: 20036
 Ion Ratio Lower Upper
 232 100
 131 36.7 30.3 45.5
 130 0.8 1.8 2.8#
 166 24.4 21.3 31.9

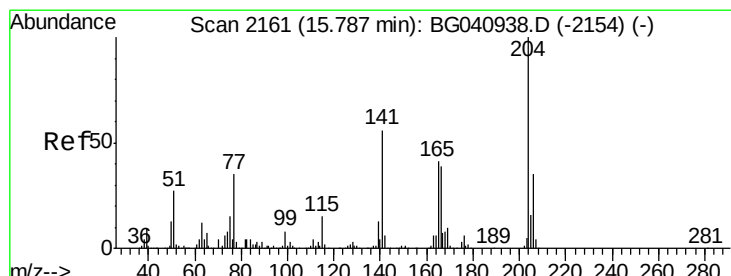
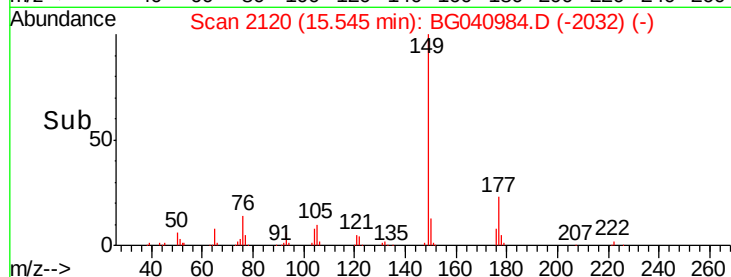
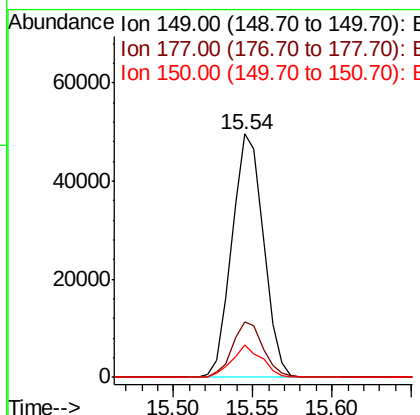
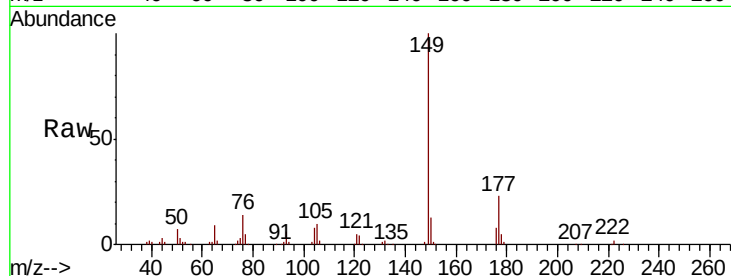




#60
Diethylphthalate
Concen: 5.056 ng
RT: 15.54 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

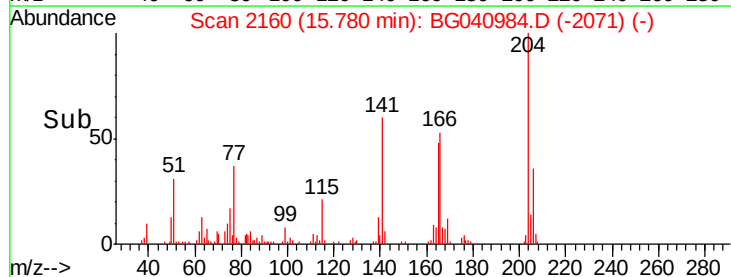
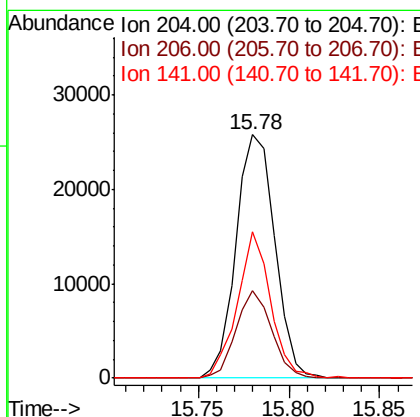
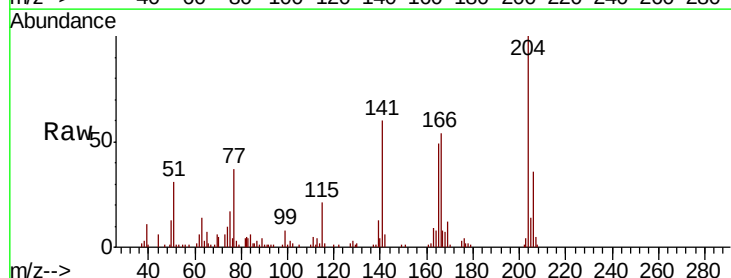
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

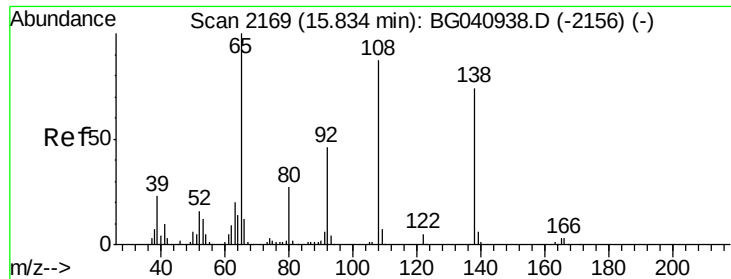
Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	19.4	29.0
150	13.4	10.3	15.5



#61
4-Chlorophenyl-phenylether
Concen: 4.853 ng
RT: 15.78 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion	Ratio	Lower	Upper
204	100		
206	35.9	27.6	41.4
141	60.1	45.1	67.7





#62

4-Nitroaniline

Concen: 4.320 ng

RT: 15.82 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

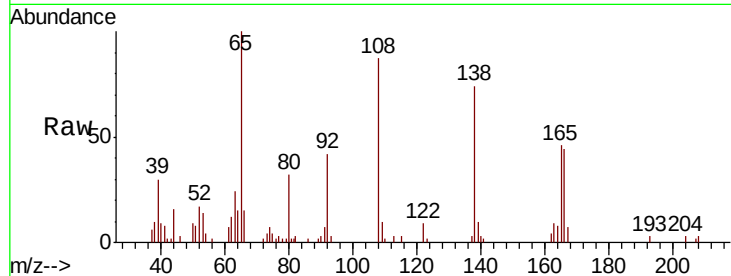
Tgt Ion:138 Resp: 13071

Ion Ratio Lower Upper

138 100

92 55.8 42.4 82.4

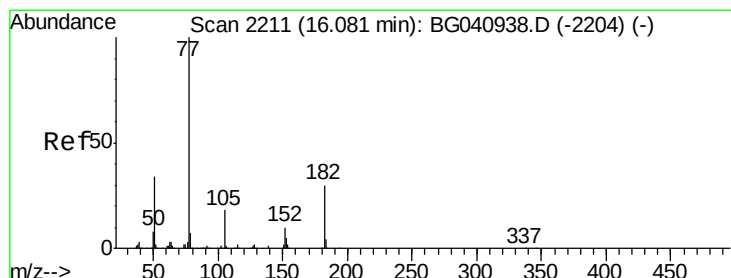
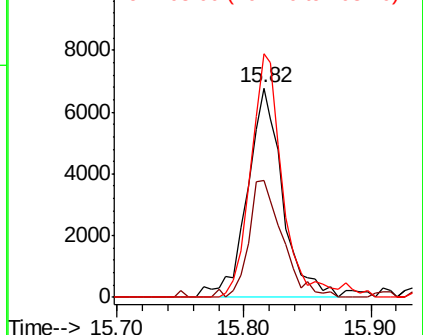
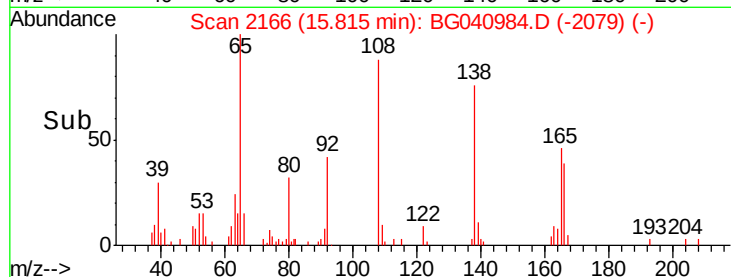
108 116.4 96.9 136.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 5.190 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Tgt Ion: 77 Resp: 63820

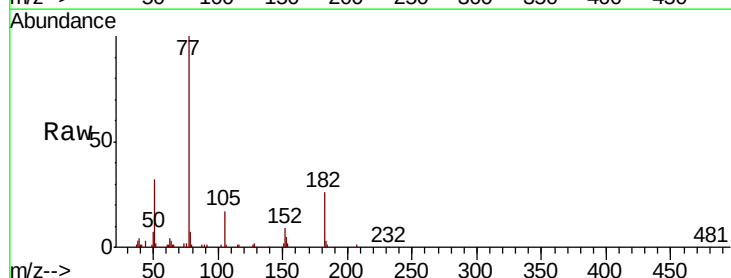
Ion Ratio Lower Upper

77 100

182 26.3 9.6 49.6

105 17.4 0.0 37.5

51 31.9 13.7 53.7

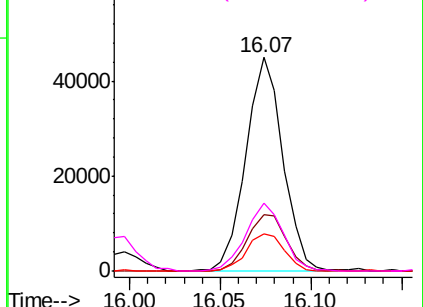
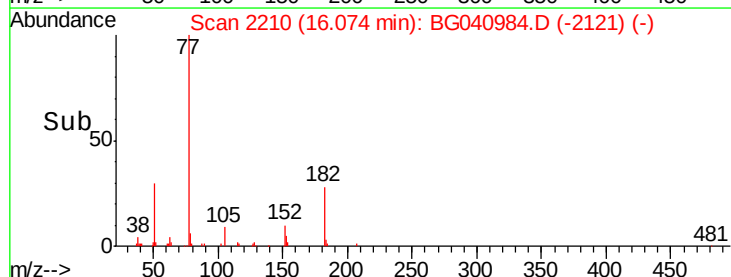


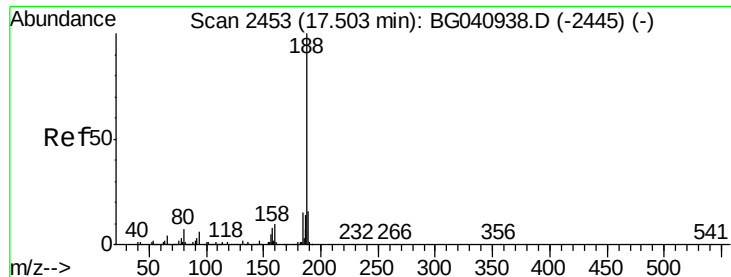
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

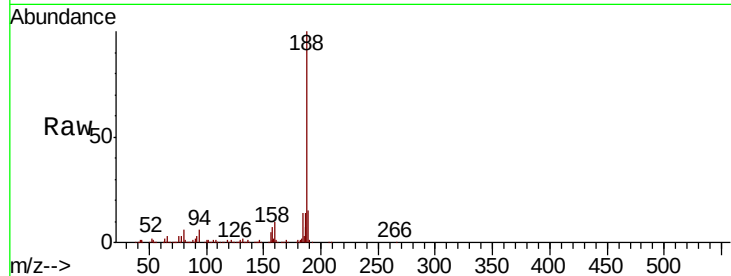
Tgt Ion:188 Resp: 396180

Ion Ratio Lower Upper

188 100

94 6.3 4.7 7.1

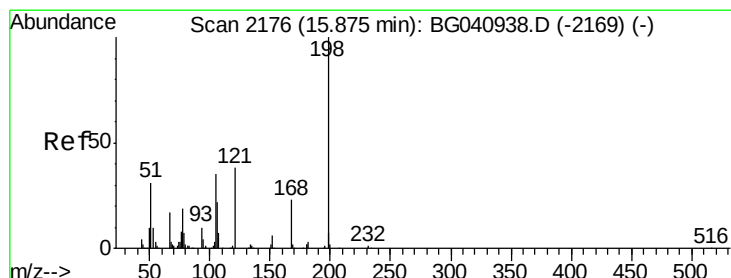
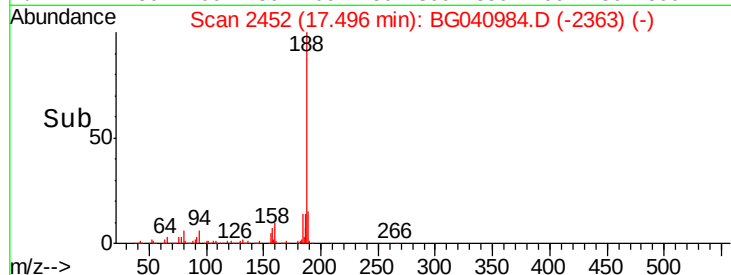
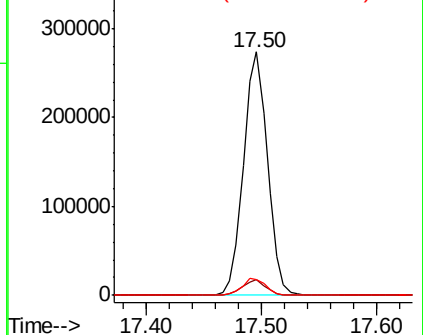
80 6.2 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 10.242 ng

RT: 15.87 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

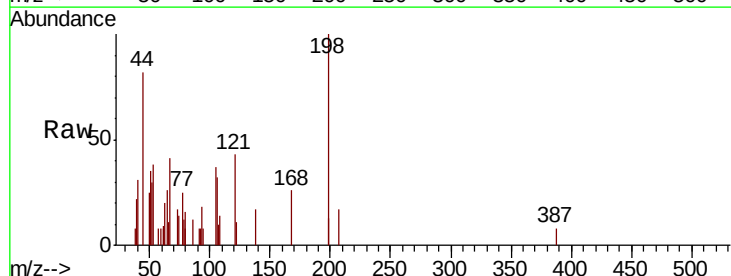
Tgt Ion:198 Resp: 4272

Ion Ratio Lower Upper

198 100

51 35.4 21.6 61.6

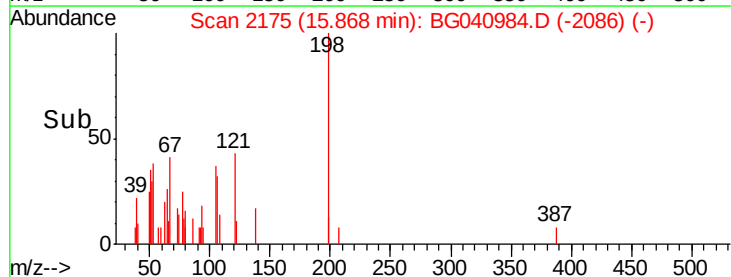
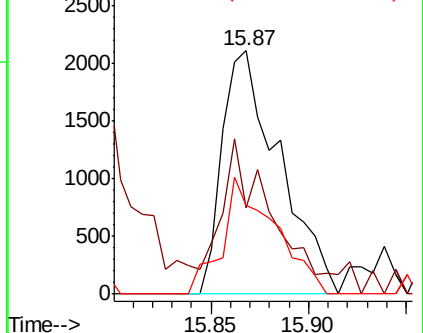
105 36.6 17.5 57.5

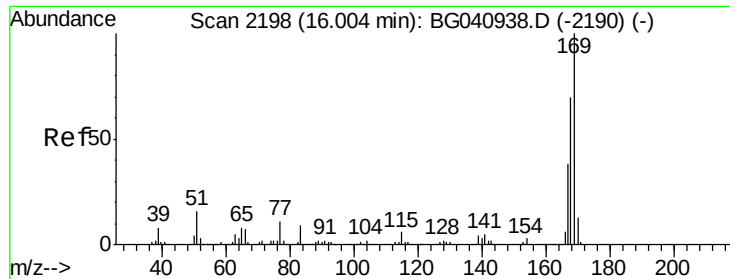


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

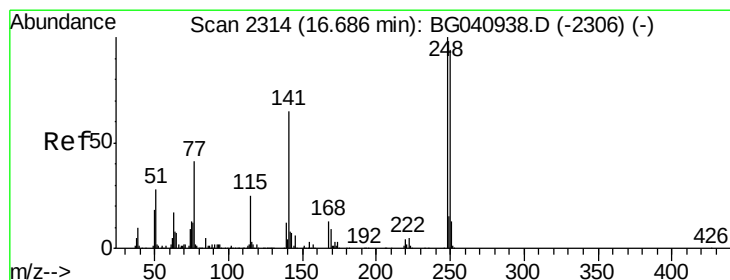
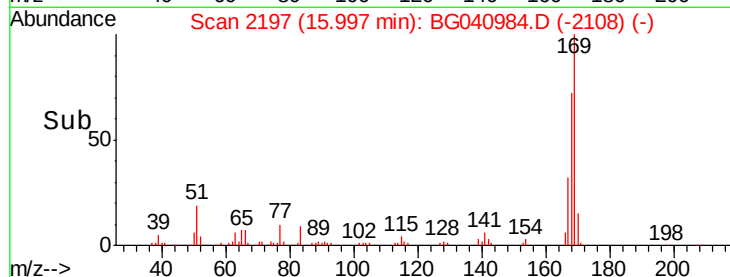
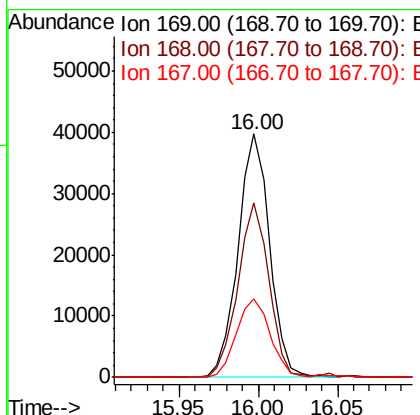
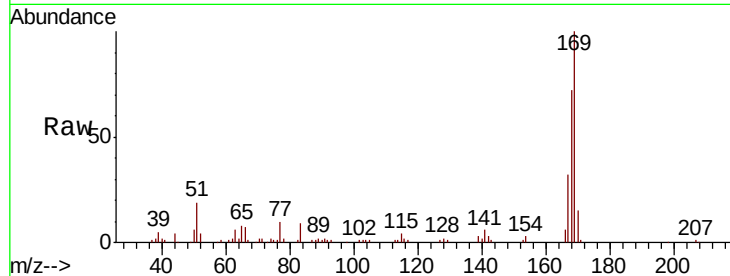




#66
 n-Nitrosodiphenylamine
 Concen: 4.906 ng
 RT: 16.00 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

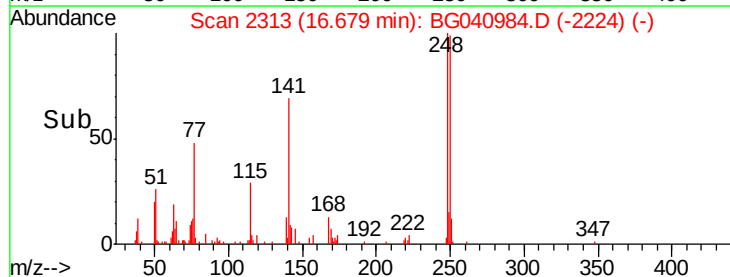
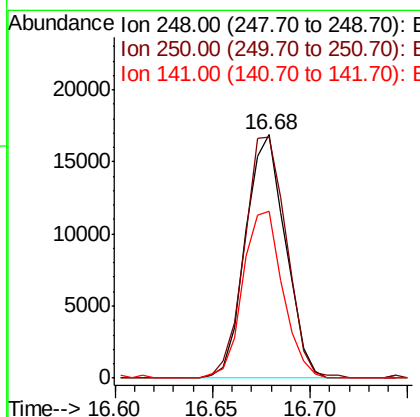
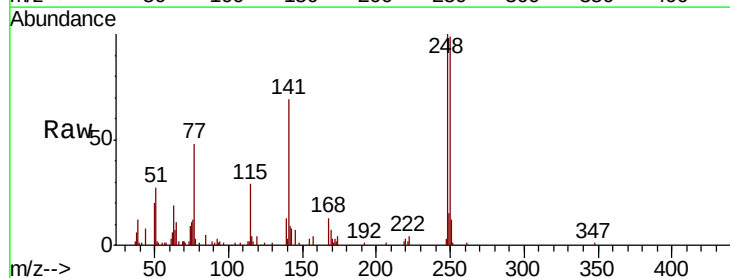
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

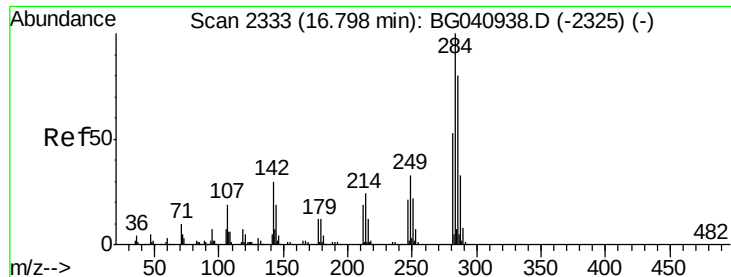
Tgt Ion:169 Resp: 54641
 Ion Ratio Lower Upper
 169 100
 168 71.8 55.7 83.5
 167 32.1 30.2 45.2



#67
 4-Bromophenyl-phenylether
 Concen: 4.459 ng
 RT: 16.68 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:248 Resp: 23838
 Ion Ratio Lower Upper
 248 100
 250 99.2 75.0 112.4
 141 68.6 52.4 78.6

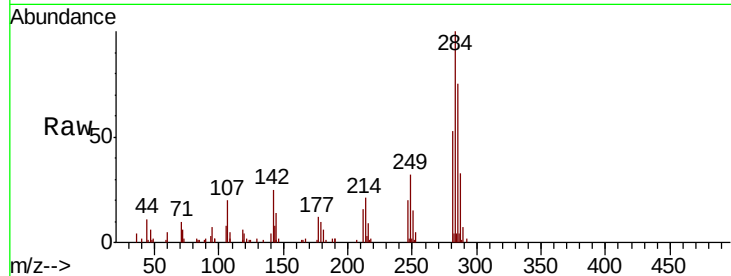




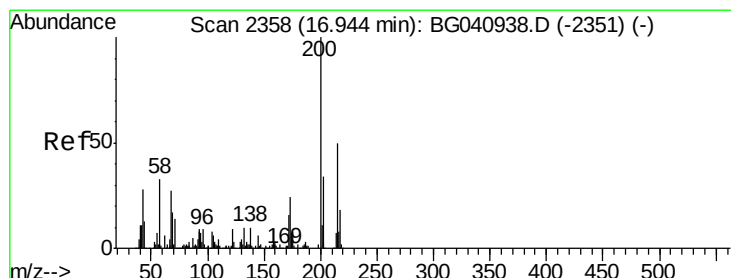
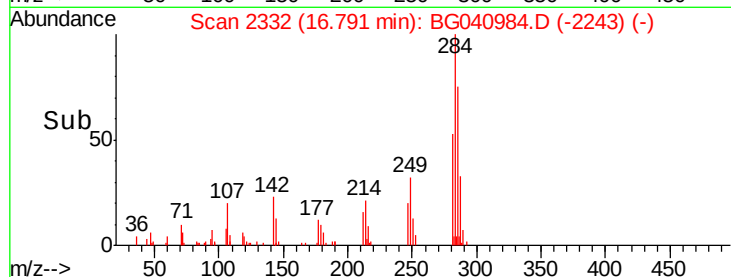
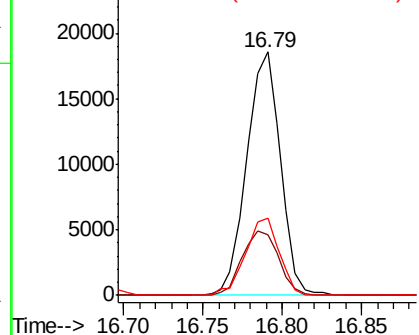
#68
Hexachlorobenzene
Concen: 4.815 ng
RT: 16.79 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

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

Tgt Ion: 284 Resp: 27414
Ion Ratio Lower Upper
284 100
142 25.0 23.9 35.9
249 33.5 26.8 40.2

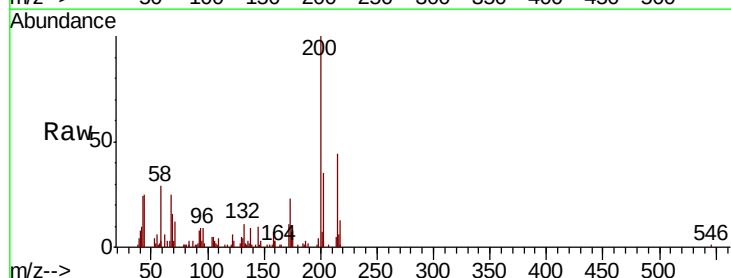


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

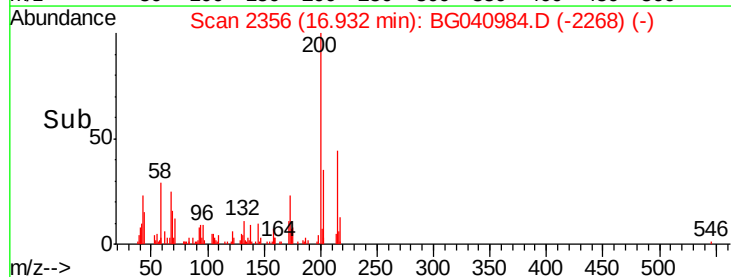
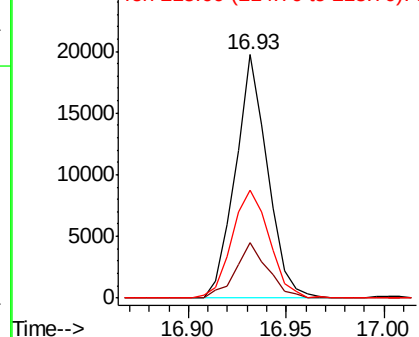


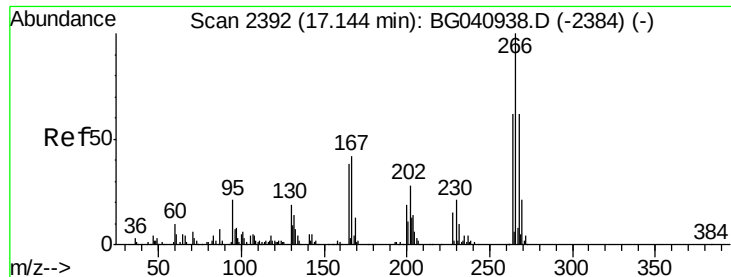
#69
Atrazine
Concen: 5.241 ng
RT: 16.93 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion: 200 Resp: 22522
Ion Ratio Lower Upper
200 100
173 23.0 3.6 43.6
215 44.5 29.6 69.6



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

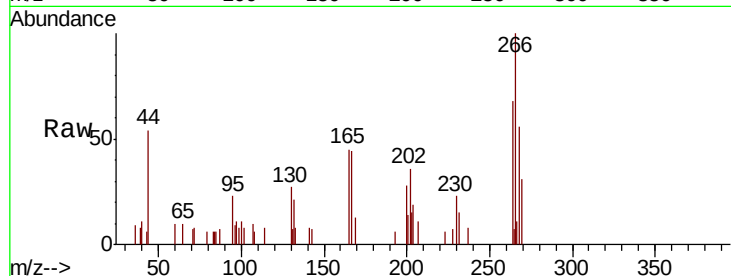




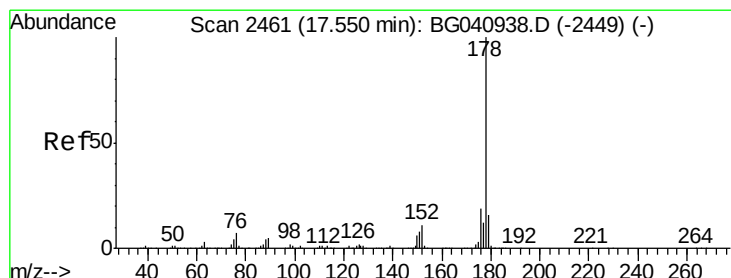
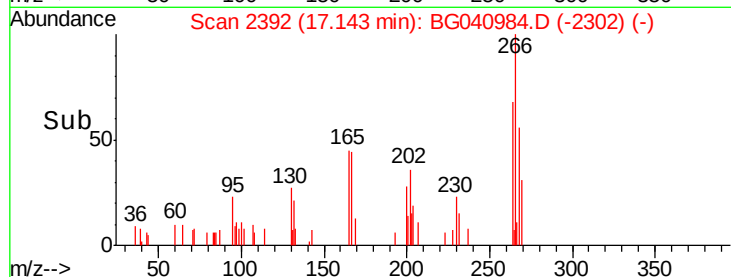
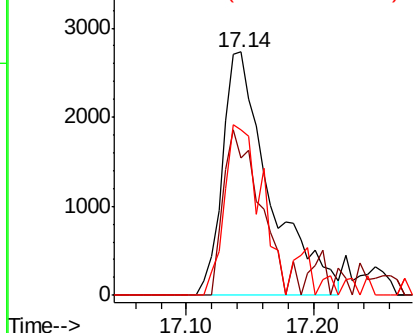
#70
 Pentachlorophenol
 Concen: 6.455 ng
 RT: 17.14 min Scan# 2392
 Delta R.T. -0.00 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

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

Tgt Ion:266 Resp: 7084
 Ion Ratio Lower Upper
 266 100
 268 56.4 53.1 79.7
 264 67.8 49.9 74.9

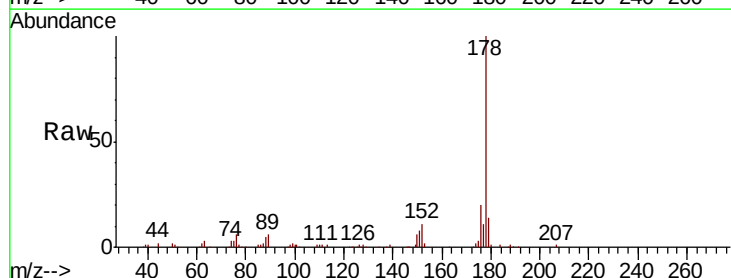


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

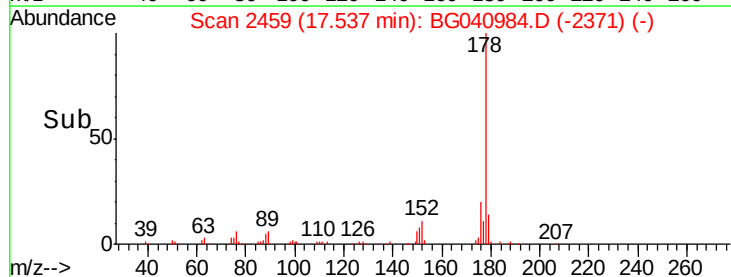
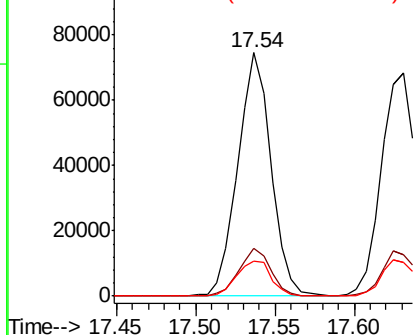


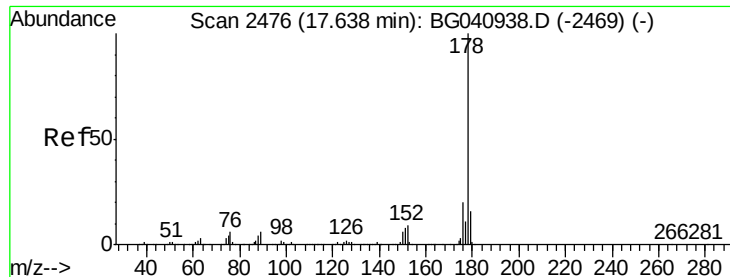
#71
 Phenanthrene
 Concen: 5.247 ng
 RT: 17.54 min Scan# 2459
 Delta R.T. -0.01 min
 Lab File: BG040984.D
 Acq: 31 May 2019 18:36

Tgt Ion:178 Resp: 108277
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.5 23.3
 179 14.2 12.7 19.1



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





#72

Anthracene

Concen: 5.205 ng

RT: 17.63 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

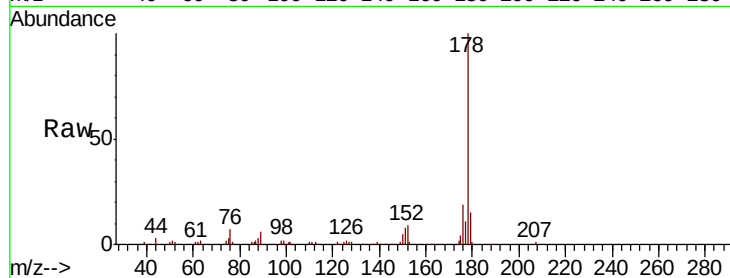
Tgt Ion:178 Resp: 105928

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

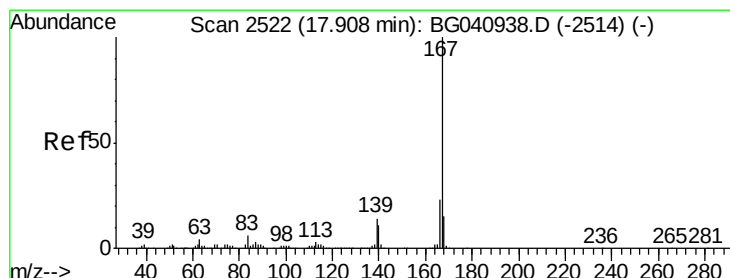
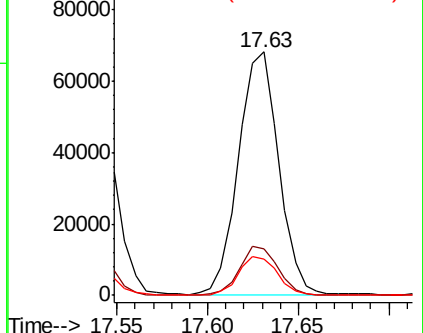
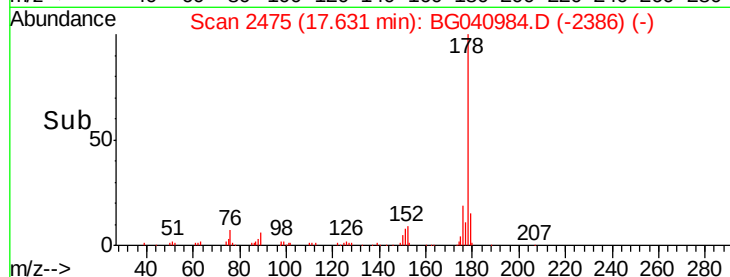
179 15.0 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 5.117 ng

RT: 17.90 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

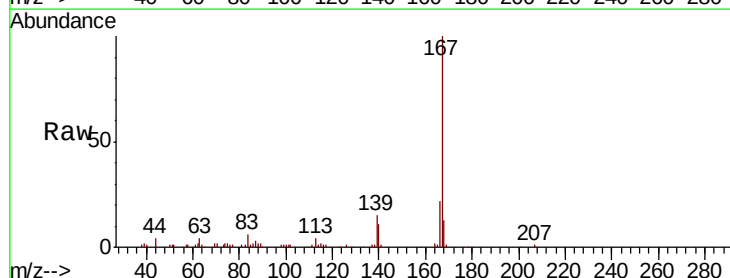
Tgt Ion:167 Resp: 89366

Ion Ratio Lower Upper

167 100

166 21.8 18.2 27.4

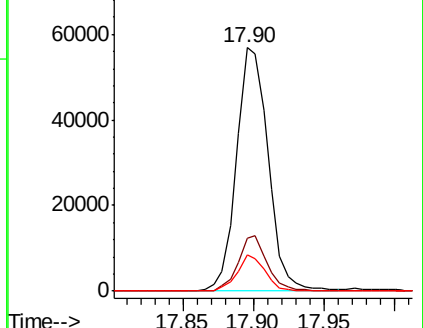
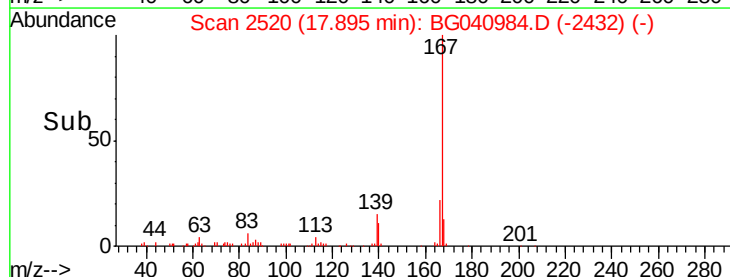
139 14.8 10.8 16.2

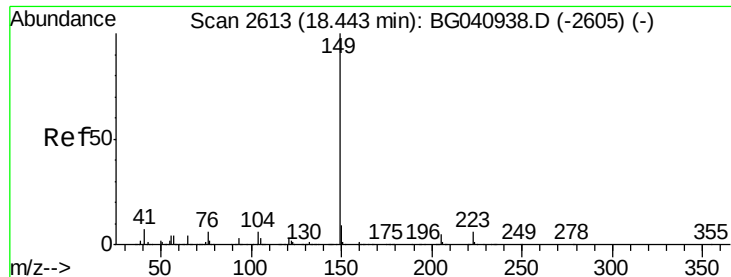


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 4.903 ng

RT: 18.43 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

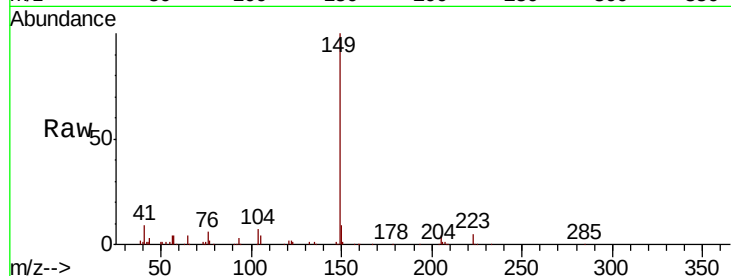
Tgt Ion:149 Resp: 106411

Ion Ratio Lower Upper

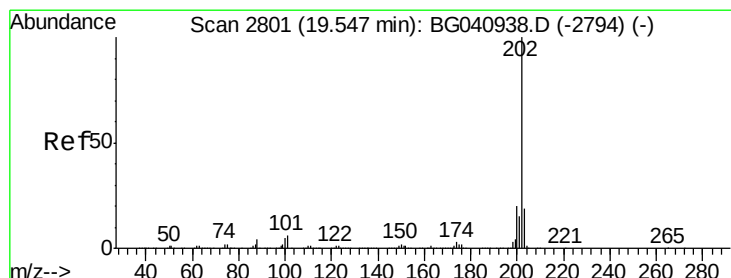
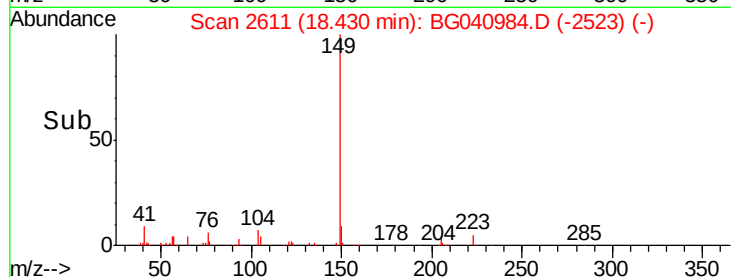
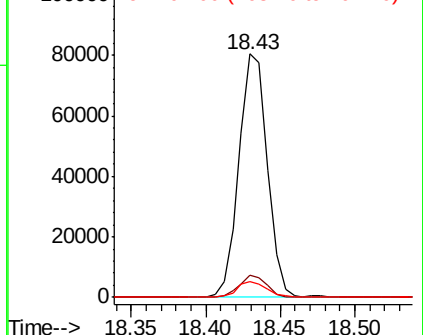
149 100

150 8.9 7.4 11.2

104 6.6 5.0 7.4



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



#75

Fluoranthene

Concen: 5.331 ng

RT: 19.54 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

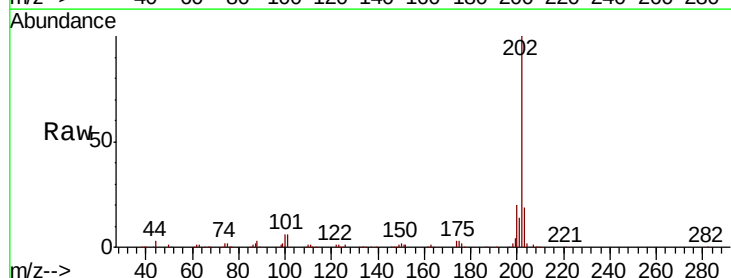
Tgt Ion:202 Resp: 135872

Ion Ratio Lower Upper

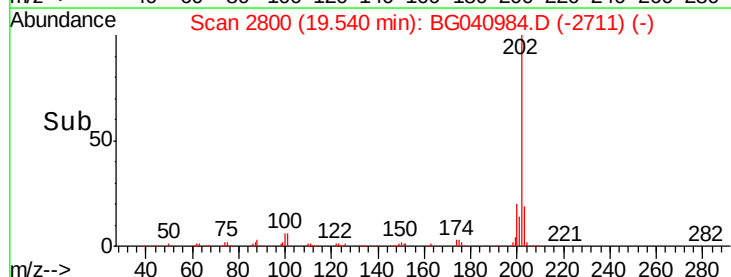
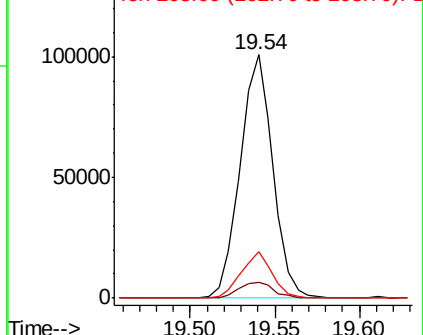
202 100

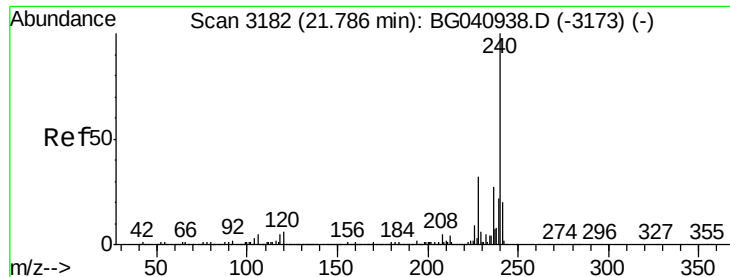
101 6.5 0.0 26.2

203 19.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

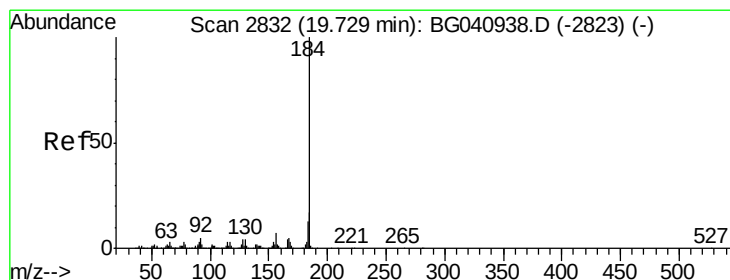
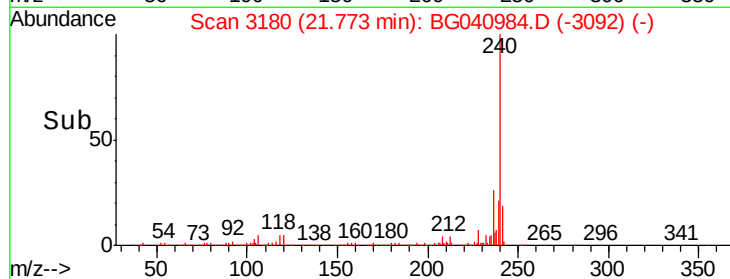
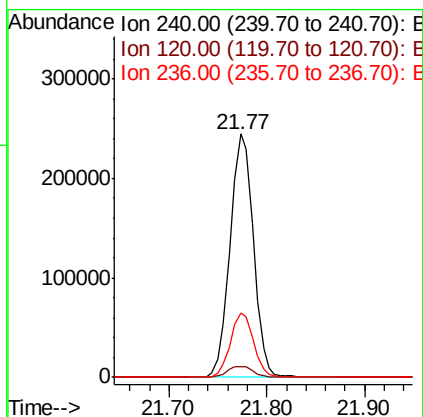
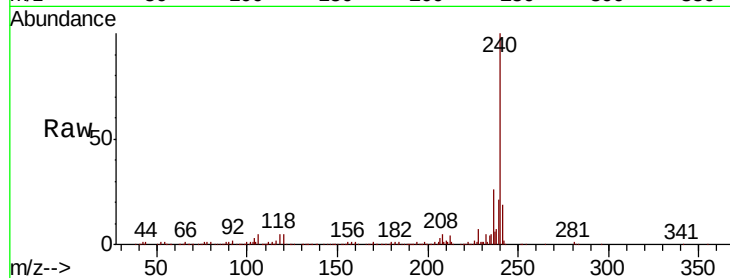




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

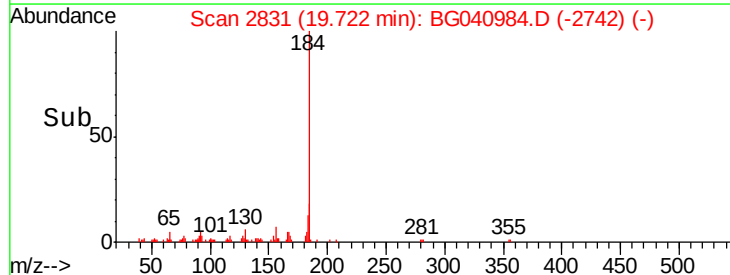
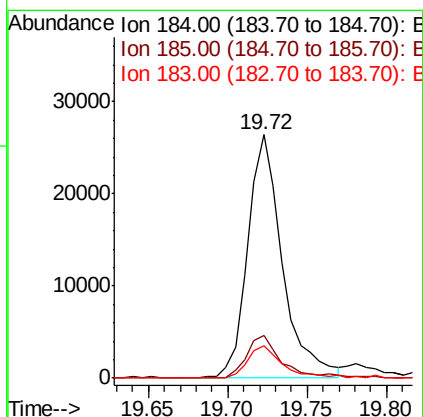
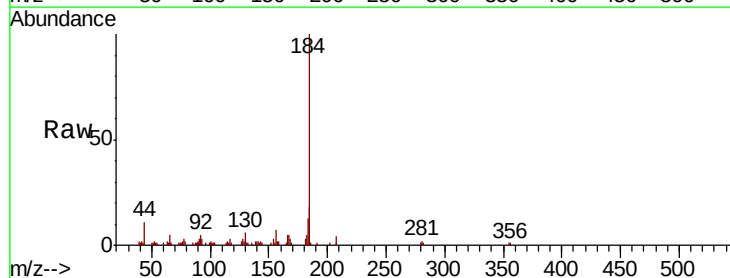
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

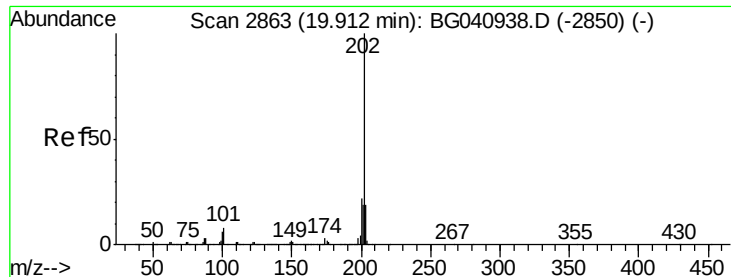
Tgt Ion:240 Resp: 406920
Ion Ratio Lower Upper
240 100
120 4.5 4.5 6.7
236 26.2 21.3 31.9



#77
Benzidine
Concen: 4.146 ng
RT: 19.72 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:184 Resp: 40244
Ion Ratio Lower Upper
184 100
185 17.7 13.3 19.9
183 13.3 10.7 16.1





#78

Pyrene

Concen: 5.355 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

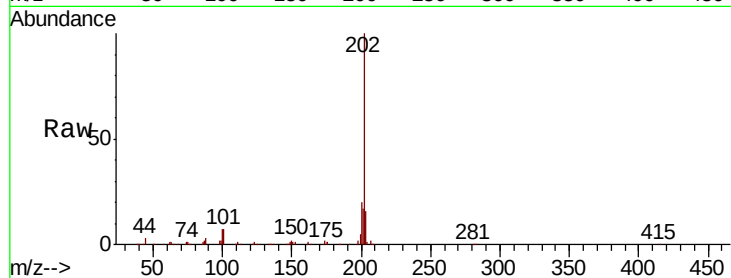
Instrument :

BNA_G

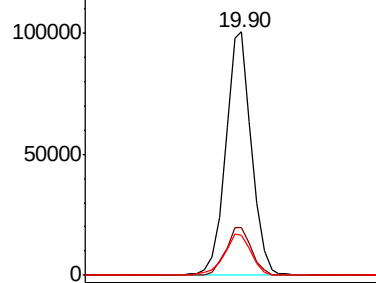
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

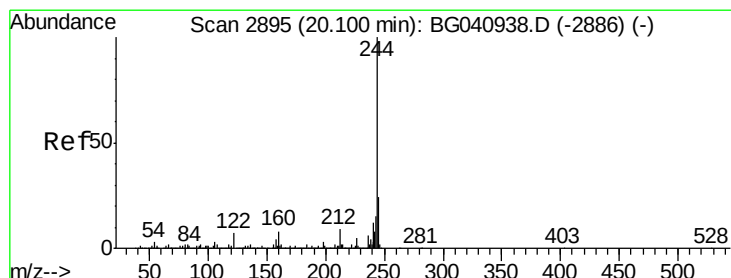
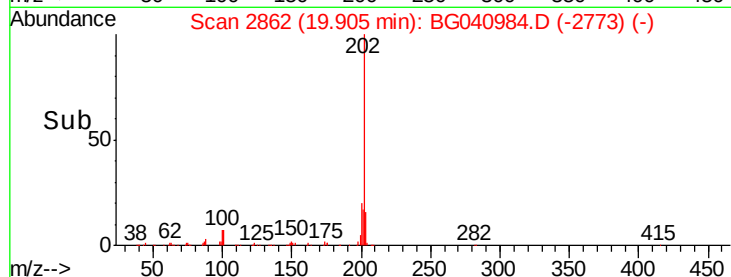
Tgt Ion:	202	Resp:	141659
Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.5	26.3
203	16.3	15.6	23.4



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



Time-->



#79

Terphenyl-d14

Concen: 89.518 ng

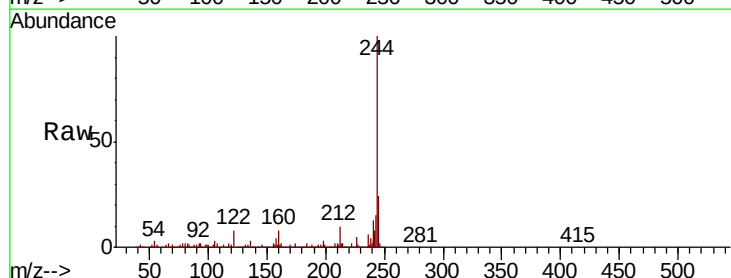
RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

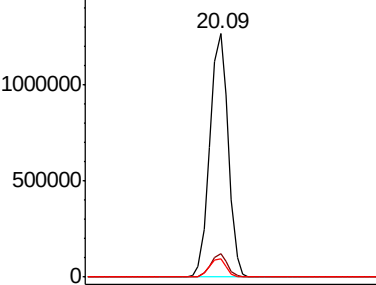
Lab File: BG040984.D

Acq: 31 May 2019 18:36

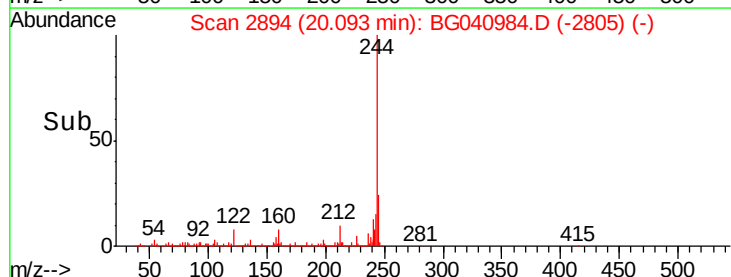
Tgt Ion:	244	Resp:	1716337
Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.0	10.4
122	7.7	5.4	8.0

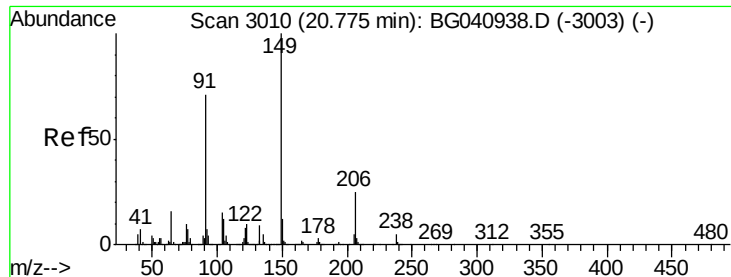


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->

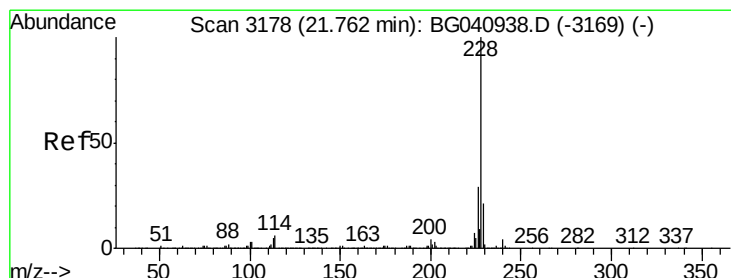
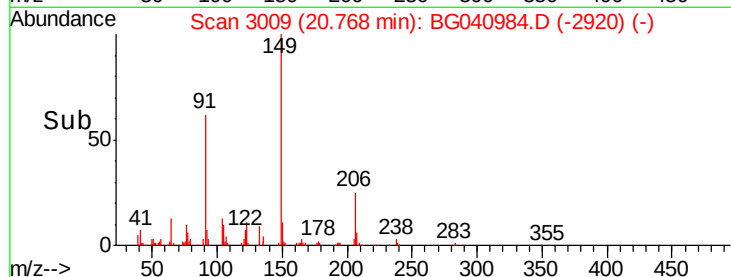
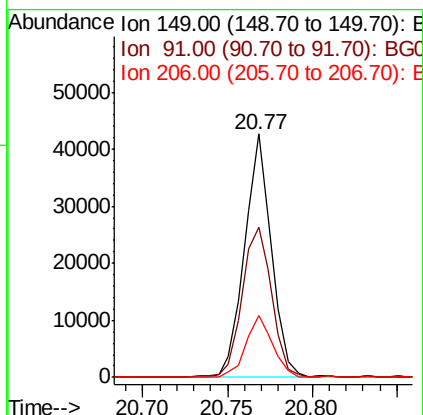
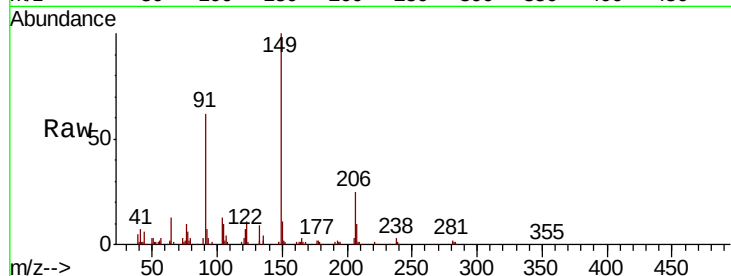




#80
Butylbenzylphthalate
Concen: 4.592 ng
RT: 20.77 min Scan# 3009
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

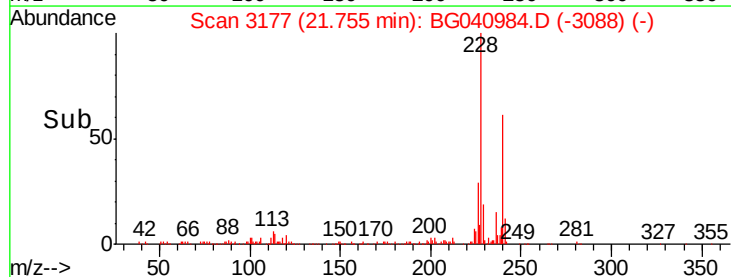
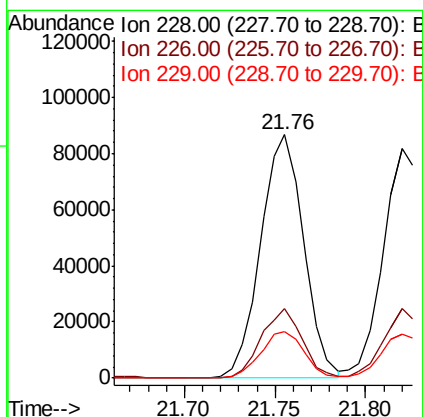
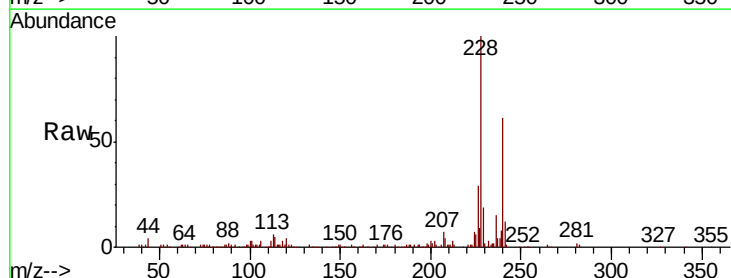
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

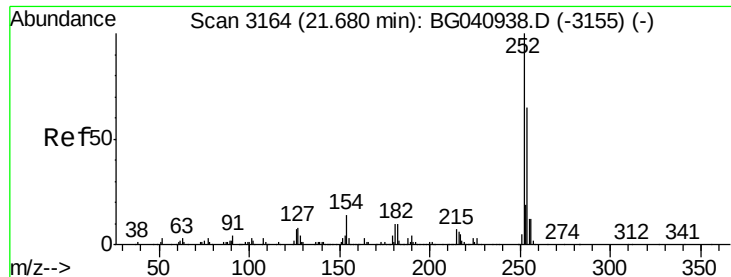
Tgt Ion:149 Resp: 47268
Ion Ratio Lower Upper
149 100
91 61.7 56.5 84.7
206 25.2 20.3 30.5



#81
Benzo(a)anthracene
Concen: 5.276 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:228 Resp: 142925
Ion Ratio Lower Upper
228 100
226 28.6 23.5 35.3
229 19.2 16.7 25.1





#82

3,3'-Dichlorobenzidine

Concen: 4.950 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

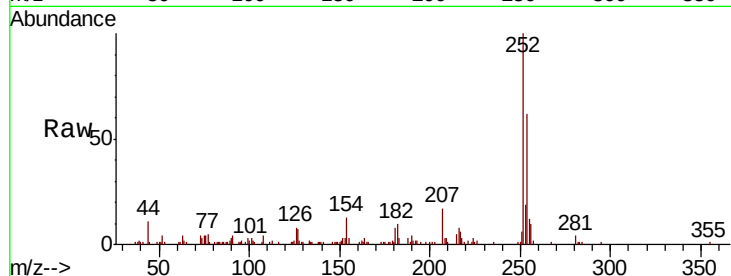
Tgt Ion:252 Resp: 47161

Ion Ratio Lower Upper

252 100

254 61.8 52.1 78.1

126 8.3 5.5 8.3

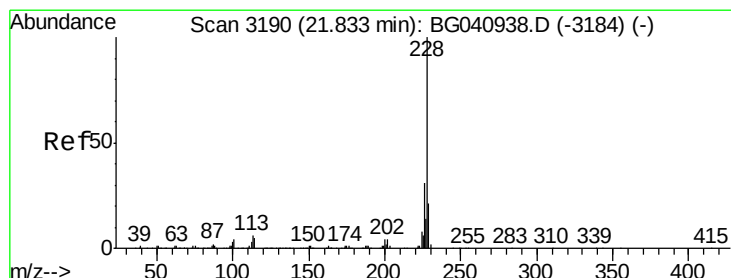
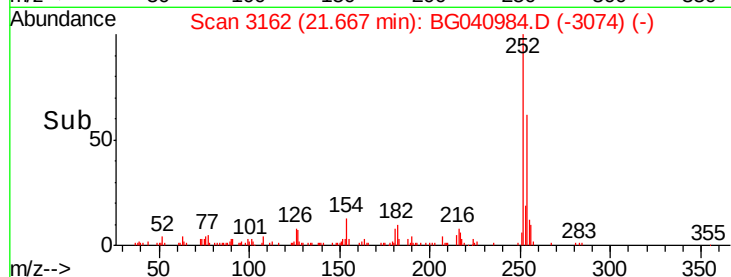
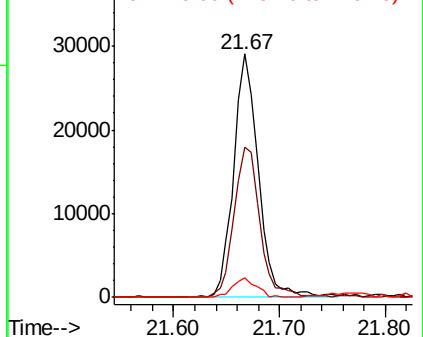


Abundance

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: 5.217 ng

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

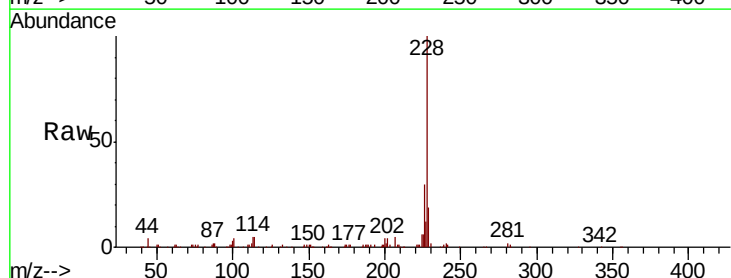
Tgt Ion:228 Resp: 135231

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

229 18.9 16.6 24.8

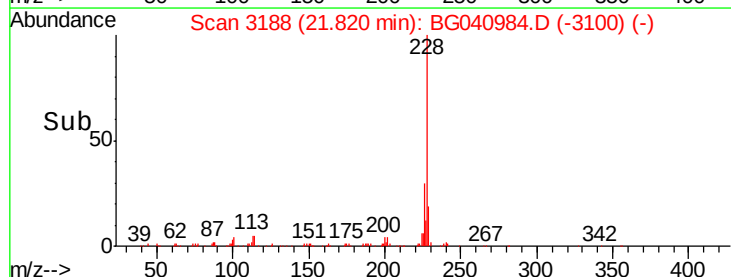
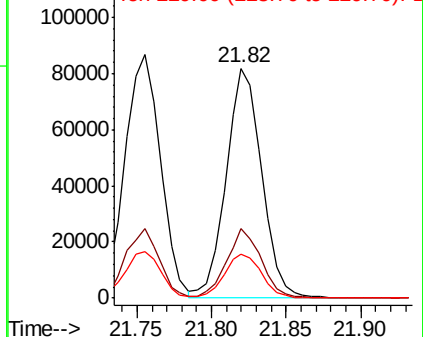


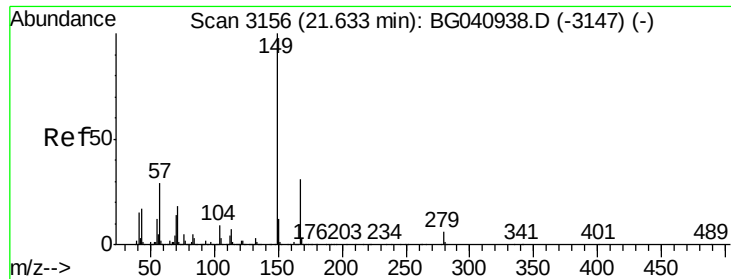
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.597 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

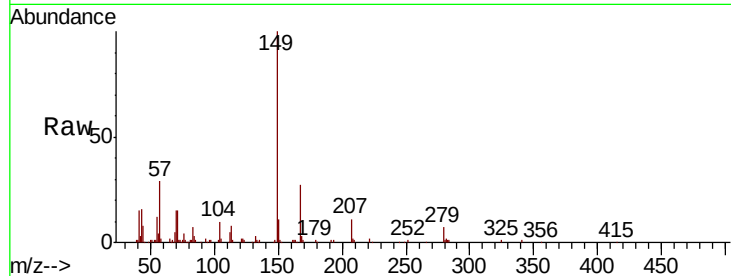
Tgt Ion:149 Resp: 66612

Ion Ratio Lower Upper

149 100

167 27.2 24.6 37.0

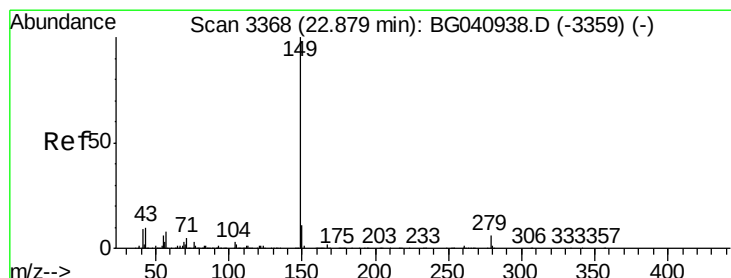
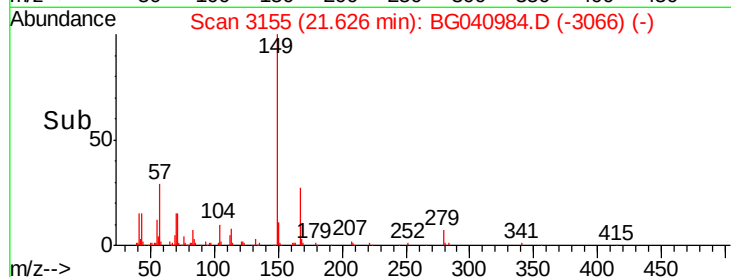
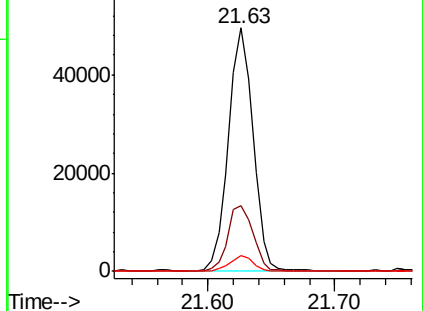
279 6.7 5.0 7.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 4.683 ng

RT: 22.87 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

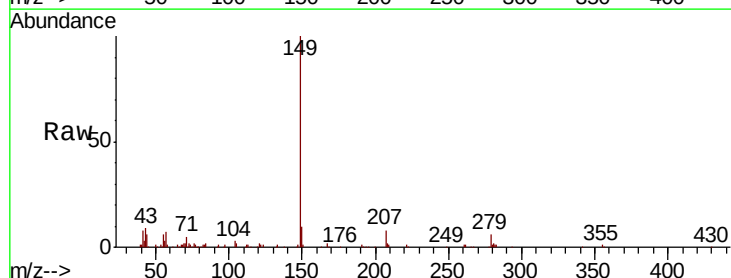
Tgt Ion:149 Resp: 113012

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

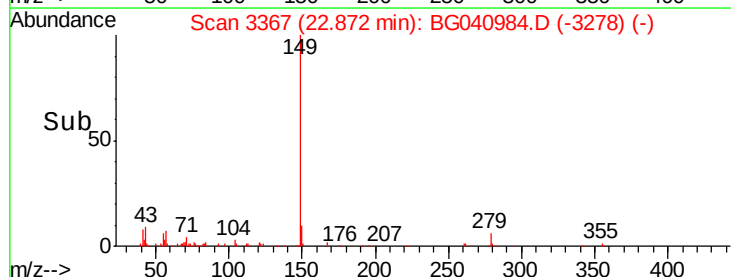
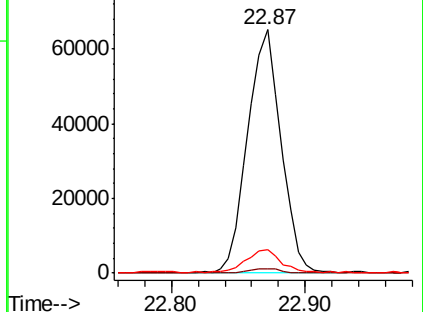
43 9.2 8.1 12.1

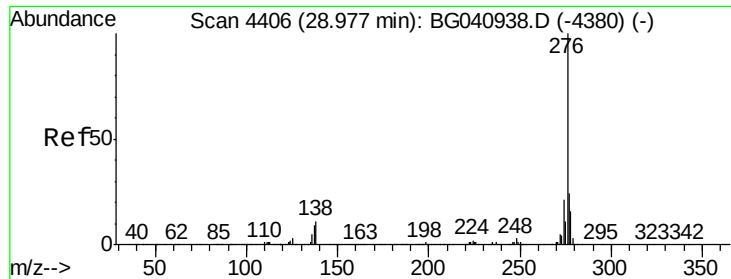


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.370 ng

RT: 28.93 min Scan# 4398

Delta R.T. -0.05 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

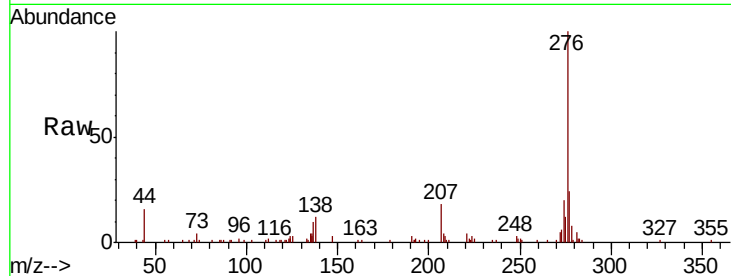
Tgt Ion:276 Resp: 138764

Ion Ratio Lower Upper

276 100

138 7.2 5.7 8.5

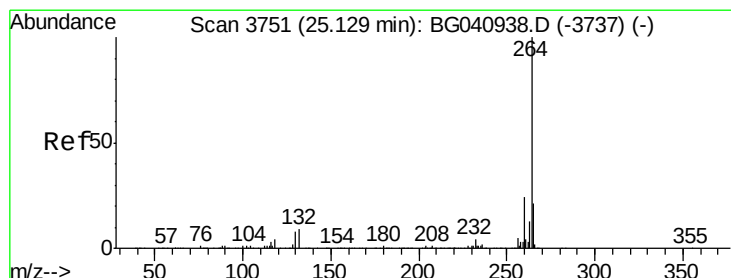
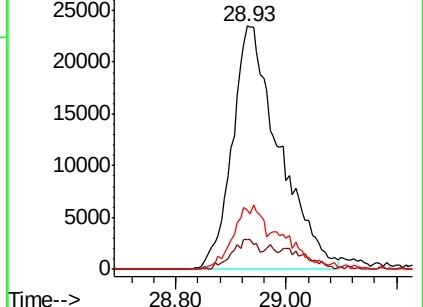
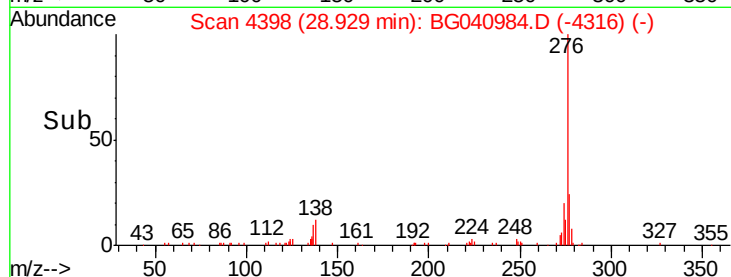
277 10.2 20.8 31.2#



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

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3748

Delta R.T. -0.02 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

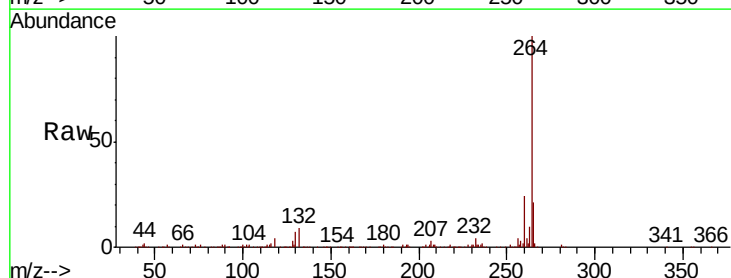
Tgt Ion:264 Resp: 422557

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

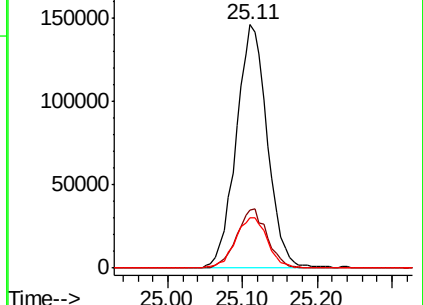
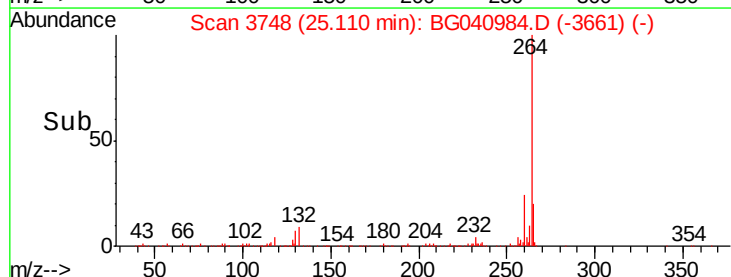
265 20.7 17.0 25.4

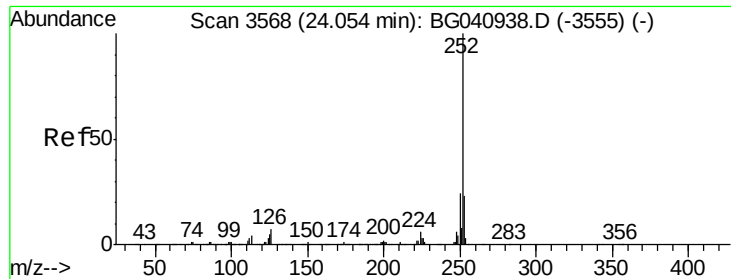


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

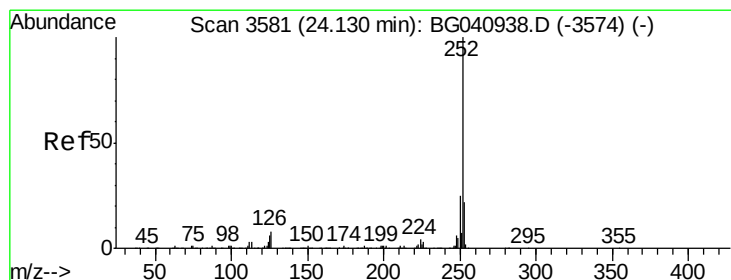
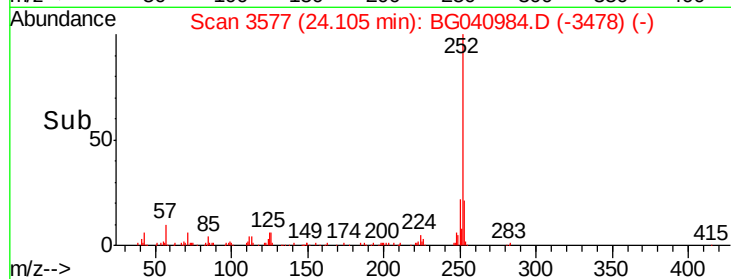
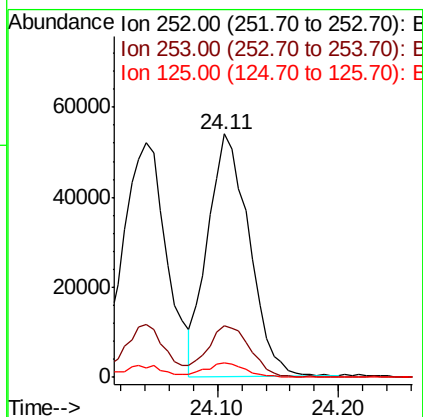
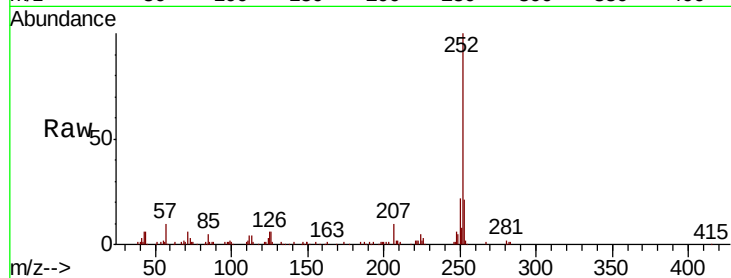




#88
Benzo(b)fluoranthene
Concen: 4.987 ng
RT: 24.11 min Scan# 3577
Delta R.T. 0.05 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

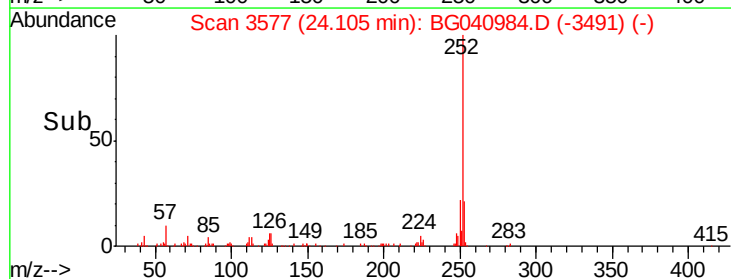
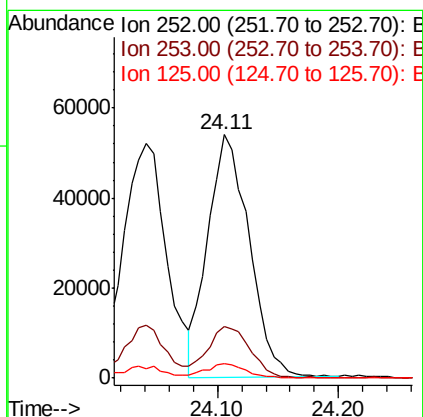
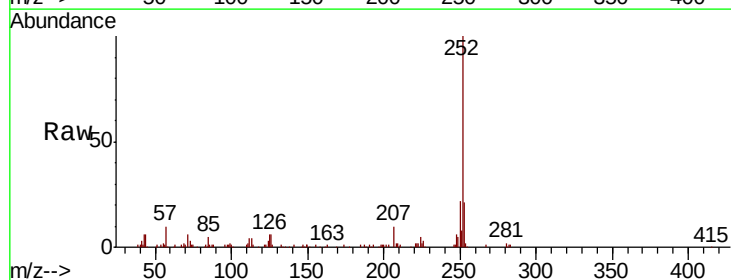
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

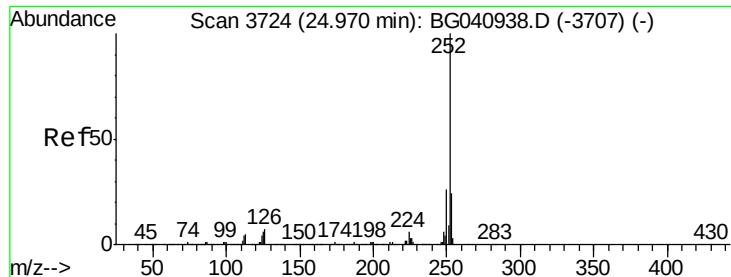
Tgt Ion:252 Resp: 127821
Ion Ratio Lower Upper
252 100
253 21.1 18.4 27.6
125 5.9 4.3 6.5



#89
Benzo(k)fluoranthene
Concen: 5.040 ng
RT: 24.11 min Scan# 3577
Delta R.T. -0.02 min
Lab File: BG040984.D
Acq: 31 May 2019 18:36

Tgt Ion:252 Resp: 127821
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 5.9 4.7 7.1





#90

Benzo(a)pyrene

Concen: 5.066 ng

RT: 24.95 min Scan# 3720

Delta R.T. -0.02 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

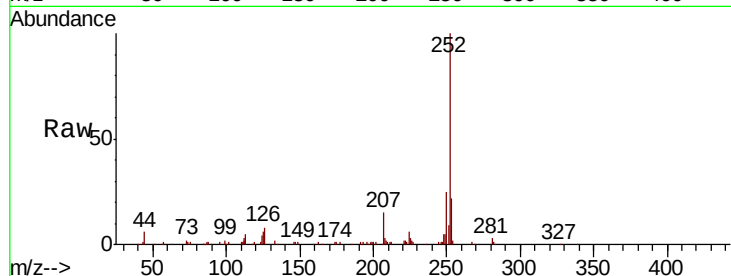
Tgt Ion:252 Resp: 123877

Ion Ratio Lower Upper

252 100

253 21.9 19.5 29.3

125 5.5 5.1 7.7

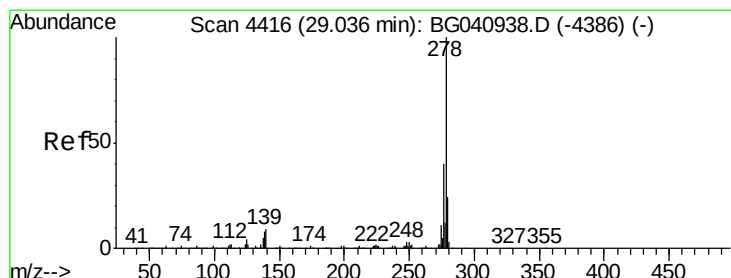
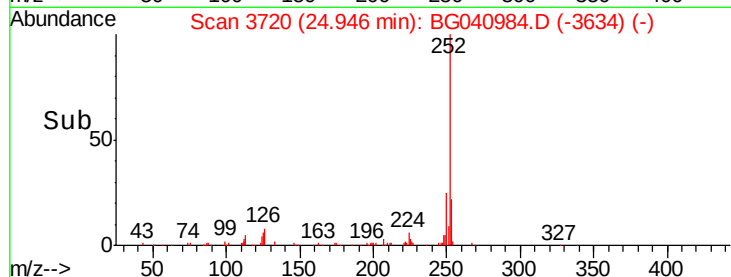
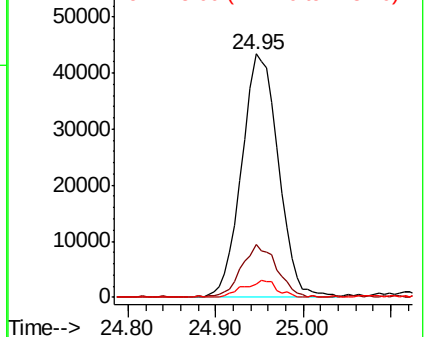


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 4.554 ng

RT: 29.01 min Scan# 4411

Delta R.T. -0.03 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

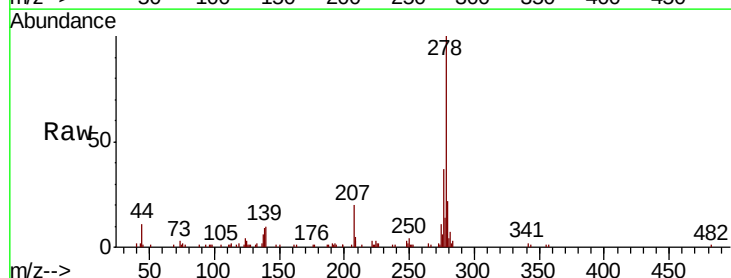
Tgt Ion:278 Resp: 111262

Ion Ratio Lower Upper

278 100

139 9.7 7.1 10.7

279 22.3 19.4 29.2

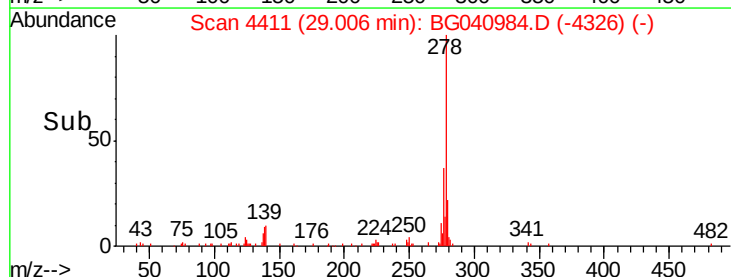
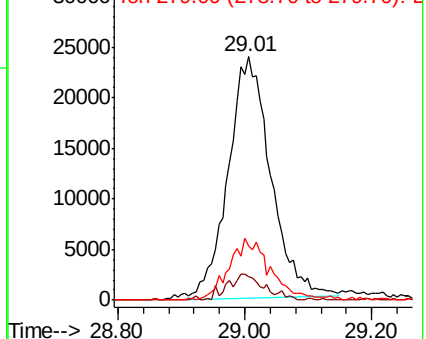


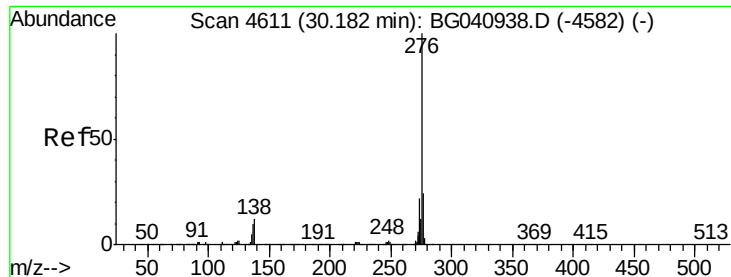
Abundance

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: 4.944 ng

RT: 30.14 min Scan# 4604

Delta R.T. -0.04 min

Lab File: BG040984.D

Acq: 31 May 2019 18:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 276 Resp: 117351

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.0

138 12.2 9.7 14.5

