

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032719\
 Data File : BG040185.D
 Acq On : 27 Mar 2019 23:45
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 16PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 28 06:39:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	53891	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	224406	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	138510	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	323281	20.00	ng	0.00
76) Chrysene-d12	21.73	240	320596	20.00	ng	0.00
87) Perylene-d12	25.02	264	333039	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	420480	129.71	ng	0.00
7) Phenol-d6	7.22	99	579896	129.44	ng	0.00
23) Nitrobenzene-d5	9.25	82	366561	86.82	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	205599	137.35	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	817286	87.43	ng	0.00
79) Terphenyl-d14	20.04	244	1218997	85.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	24498	16.071	ng	96
3) Pyridine	3.93	79	67076	16.344	ng	97
4) n-Nitrosodimethylamine	3.85	42	31146	16.406	ng	# 93
6) Aniline	7.40	93	91601	15.737	ng	99
8) 2-Chlorophenol	7.64	128	59985	15.807	ng	93
9) Benzaldehyde	7.21	77	53166	17.300	ng	97
10) Phenol	7.25	94	77298	15.896	ng	97
11) bis(2-Chloroethyl)ether	7.49	93	63767	16.372	ng	94
12) 1,3-Dichlorobenzene	7.96	146	68161	16.523	ng	98
13) 1,4-Dichlorobenzene	8.11	146	68847	16.757	ng	96
14) 1,2-Dichlorobenzene	8.42	146	63854	16.252	ng	96
15) Benzyl Alcohol	8.31	79	56574	15.680	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.59	45	122808	16.429	ng	99
17) 2-Methylphenol	8.51	107	53362	15.858	ng	96
18) Hexachloroethane	9.15	117	25965	16.614	ng	95
19) n-Nitroso-di-n-propylamine	8.87	70	52036	16.200	ng	95
20) 3+4-Methylphenols	8.83	107	72737	15.956	ng	95
22) Acetophenone	8.90	105	98046	17.515	ng	97
24) Nitrobenzene	9.29	77	75142	17.188	ng	99
25) Isophorone	9.80	82	145971	16.804	ng	98
26) 2-Nitrophenol	10.00	139	33951	16.389	ng	95
27) 2,4-Dimethylphenol	10.04	122	52646	15.999	ng	94
28) bis(2-Chloroethoxy)methane	10.28	93	87681	17.061	ng	99
29) 2,4-Dichlorophenol	10.53	162	58530	16.387	ng	98
30) 1,2,4-Trichlorobenzene	10.74	180	66104	16.856	ng	100
31) Naphthalene	10.94	128	202235	17.582	ng	100
32) Benzoic acid	10.15	122	21404	10.766	ng	89
33) 4-Chloroaniline	11.05	127	84775	17.278	ng	99
34) Hexachlorobutadiene	11.20	225	43026	17.154	ng	95
35) Caprolactam	11.82	113	22437	15.830	ng	97
36) 4-Chloro-3-methylphenol	12.15	107	67367	16.407	ng	99
37) 2-Methylnaphthalene	12.53	142	146392	17.208	ng	98
38) 1-Methylnaphthalene	12.75	142	146948	17.814	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.89	216	77203	17.537	ng	99

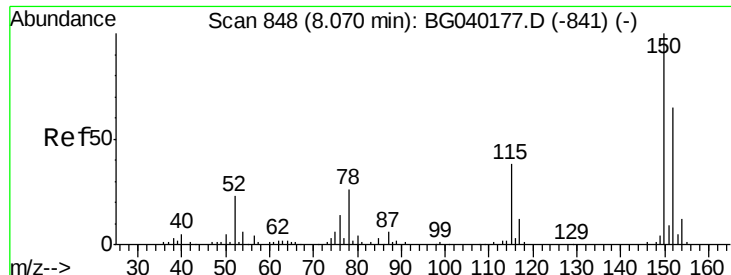
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032719\
 Data File : BG040185.D
 Acq On : 27 Mar 2019 23:45
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 16PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Mar 28 06:39:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.86	237	35603	14.729	ng	93
43) 2,4,6-Trichlorophenol	13.14	196	46616	16.424	ng	97
44) 2,4,5-Trichlorophenol	13.21	196	51565	16.668	ng	96
46) 1,1'-Biphenyl	13.53	154	193469	17.678	ng	97
47) 2-Chloronaphthalene	13.58	162	145544	17.337	ng	98
48) 2-Nitroaniline	13.79	65	47109	16.637	ng	93
49) Acenaphthylene	14.43	152	258384	18.154	ng	99
50) Dimethylphthalate	14.15	163	194763	17.967	ng	99
51) 2,6-Dinitrotoluene	14.28	165	41131	16.898	ng	98
52) Acenaphthene	14.76	154	142109	17.424	ng	97
53) 3-Nitroaniline	14.62	138	43656	16.944	ng	90
54) 2,4-Dinitrophenol	14.82	184	16923	13.073	ng	# 87
55) Dibenzofuran	15.10	168	234107	17.864	ng	98
56) 4-Nitrophenol	14.91	139	33374	16.049	ng	97
57) 2,4-Dinitrotoluene	15.06	165	58254	17.224	ng	98
58) Fluorene	15.74	166	184508	17.907	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.32	232	45606	16.245	ng	98
60) Diethylphthalate	15.50	149	197339	17.790	ng	98
61) 4-Chlorophenyl-phenylether	15.73	204	98461	17.877	ng	97
62) 4-Nitroaniline	15.77	138	46668	16.878	ng	96
63) Azobenzene	16.03	77	184719	17.654	ng	98
65) 4,6-Dinitro-2-methylphenol	15.83	198	26490	14.585	ng	97
66) n-Nitrosodiphenylamine	15.95	169	168123	17.772	ng	94
67) 4-Bromophenyl-phenylether	16.63	248	63534	17.464	ng	96
68) Hexachlorobenzene	16.74	284	64835	17.725	ng	97
69) Atrazine	16.89	200	60741	17.260	ng	97
70) Pentachlorophenol	17.09	266	30691	14.513	ng	98
71) Phenanthrene	17.49	178	308432	18.151	ng	98
72) Anthracene	17.58	178	306757	18.036	ng	98
73) Carbazole	17.85	167	287928	17.888	ng	100
74) Di-n-butylphthalate	18.38	149	338116	17.721	ng	99
75) Fluoranthene	19.49	202	368816	18.330	ng	98
77) Benzidine	19.67	184	172459	14.897	ng	97
78) Pyrene	19.86	202	381067	18.075	ng	99
80) Butylbenzylphthalate	20.73	149	144602	16.028	ng	95
81) Benzo(a)anthracene	21.70	228	348808	17.664	ng	99
82) 3,3'-Dichlorobenzidine	21.62	252	122237	16.273	ng	96
83) Chrysene	21.77	228	335045	17.654	ng	97
84) Bis(2-ethylhexyl)phthalate	21.57	149	208628	16.178	ng	97
85) Di-n-octyl phthalate	22.80	149	357592	16.275	ng	98
86) Indeno(1,2,3-cd)pyrene	28.80	276	390421	16.820	ng	# 93
88) Benzo(b)fluoranthene	23.96	252	359720	17.642	ng	99
89) Benzo(k)fluoranthene	24.03	252	327855	17.485	ng	97
90) Benzo(a)pyrene	24.86	252	333621	17.439	ng	97
91) Dibenzo(a,h)anthracene	28.86	278	314789	17.717	ng	97
92) Benzo(g,h,i)perylene	29.99	276	318428	17.438	ng	97

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

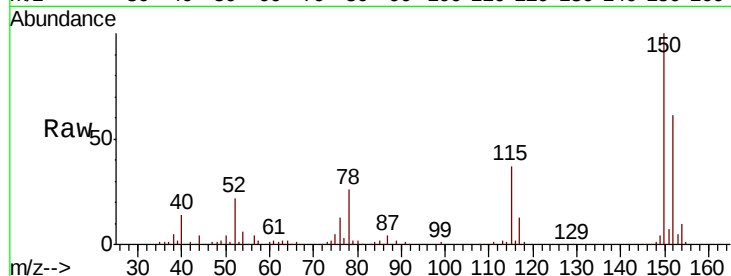


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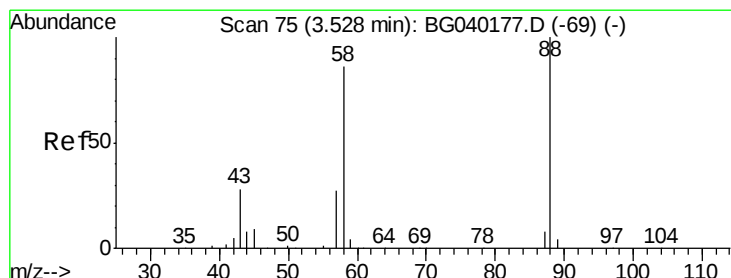
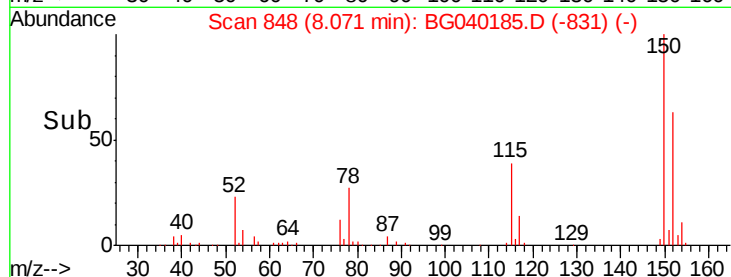
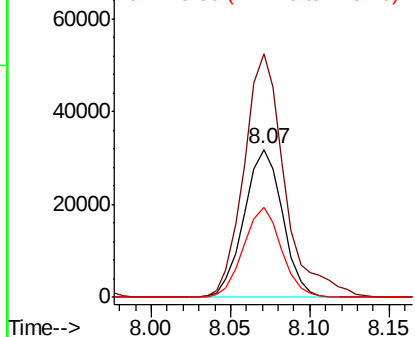
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:152 Resp: 53891
Ion Ratio Lower Upper
152 100
150 164.5 123.7 185.5
115 61.1 46.9 70.3



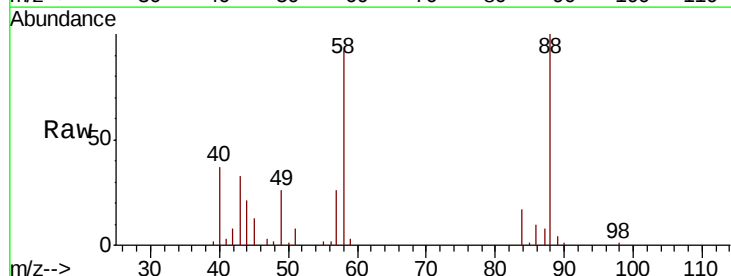
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



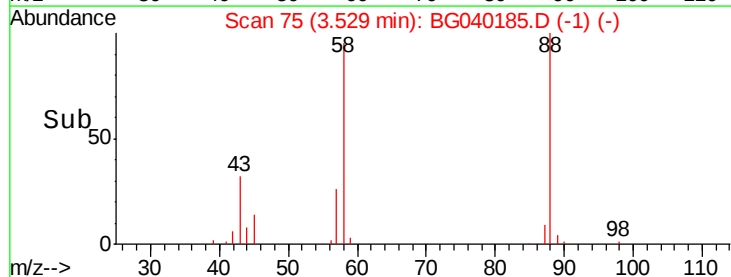
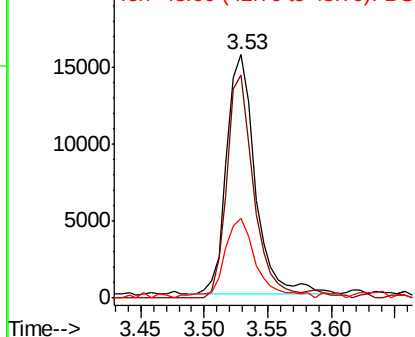
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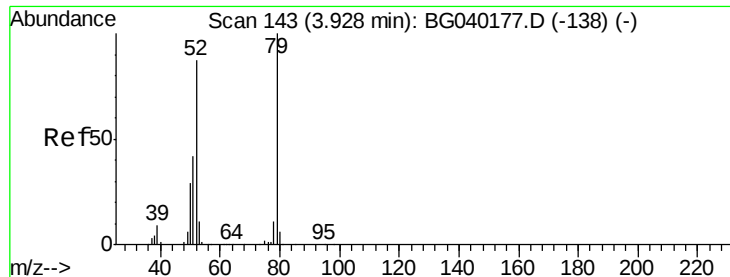
1,4-Dioxane
Concen: 16.071 ng
RT: 3.53 min Scan# 75
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion: 88 Resp: 24498
Ion Ratio Lower Upper
88 100
58 86.5 70.6 106.0
43 37.0 24.8 37.2



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: 16.344 ng

RT: 3.93 min Scan# 144

Delta R.T. 0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

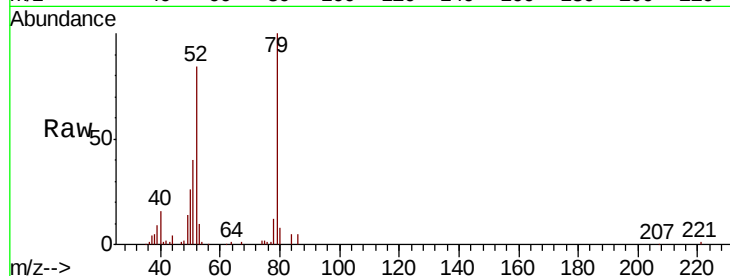
Tgt Ion: 79 Resp: 67076

Ion Ratio Lower Upper

79 100

52 84.4 69.8 104.8

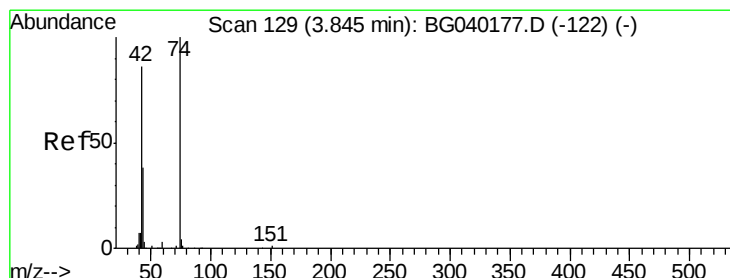
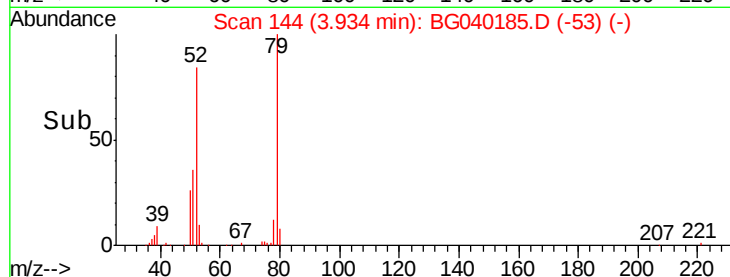
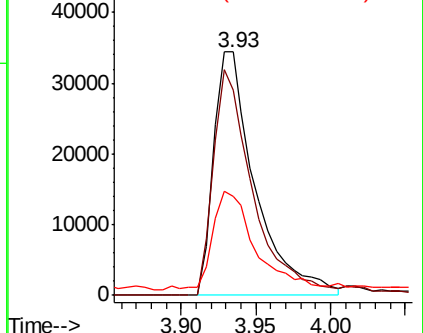
51 40.5 33.9 50.9



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: 16.406 ng

RT: 3.85 min Scan# 130

Delta R.T. 0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

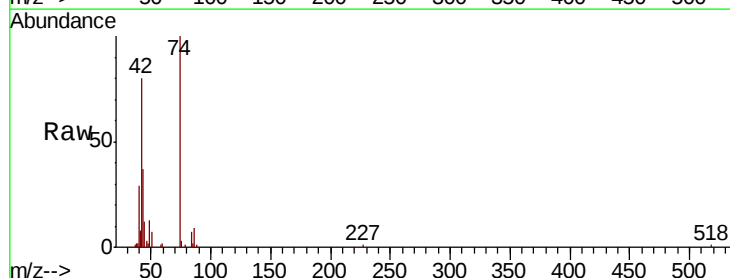
Tgt Ion: 42 Resp: 31146

Ion Ratio Lower Upper

42 100

74 124.3 92.9 139.3

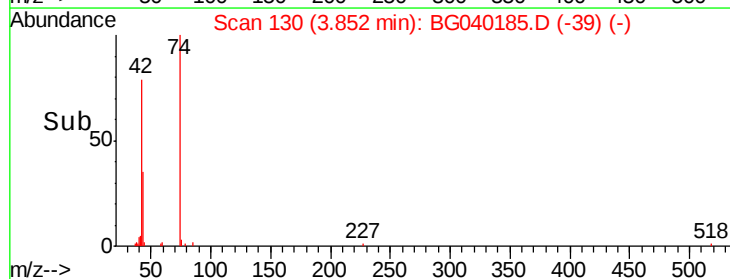
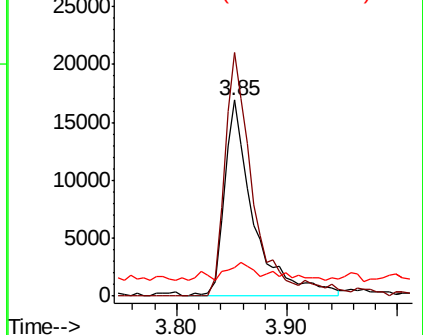
44 14.7 9.7 14.5#

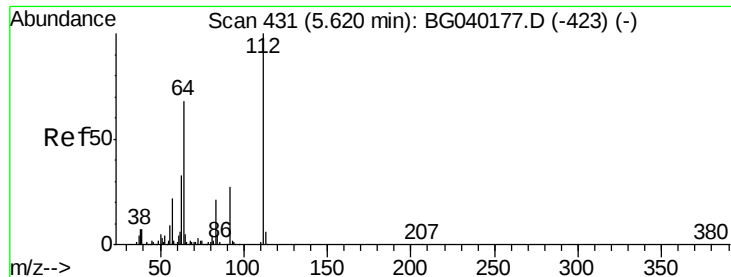


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 129.708 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

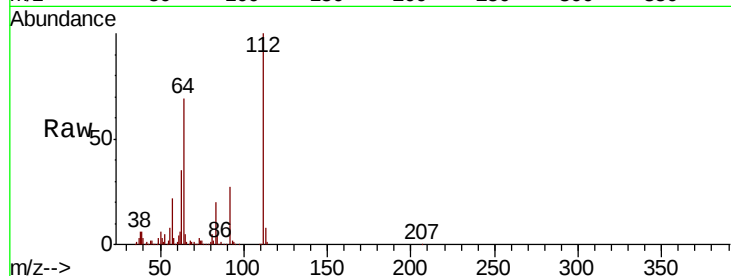
Tgt Ion:112 Resp: 420480

Ion Ratio Lower Upper

112 100

64 69.0 54.2 81.2

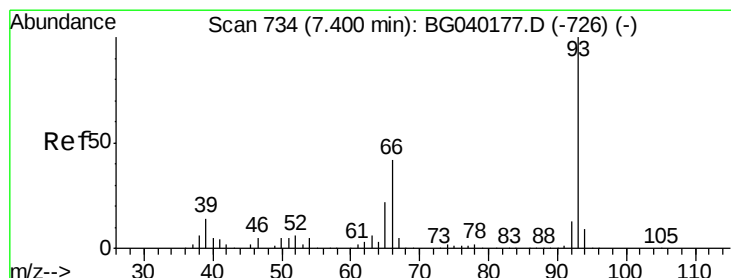
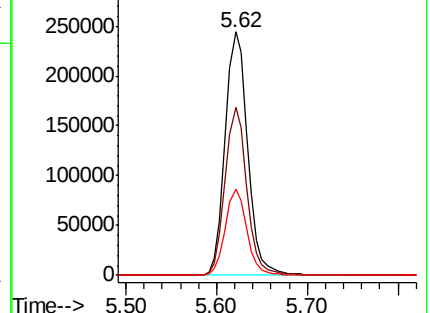
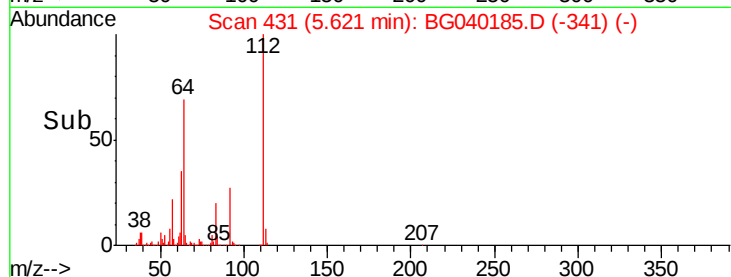
63 35.3 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 15.737 ng

RT: 7.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

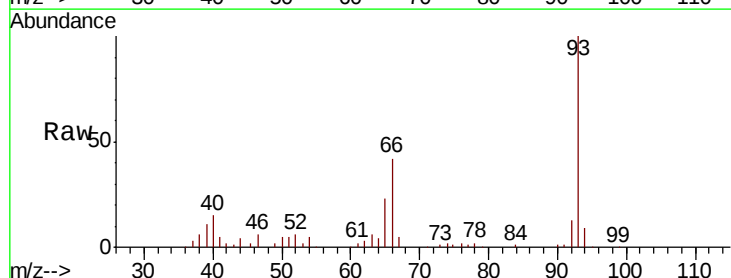
Tgt Ion: 93 Resp: 91601

Ion Ratio Lower Upper

93 100

66 41.8 33.6 50.4

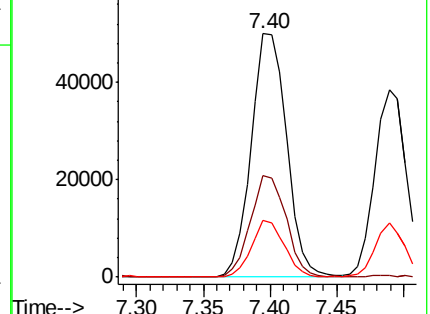
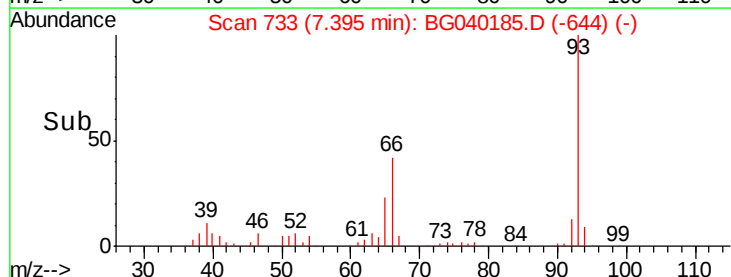
65 23.3 17.4 26.2



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 129.437 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

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ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

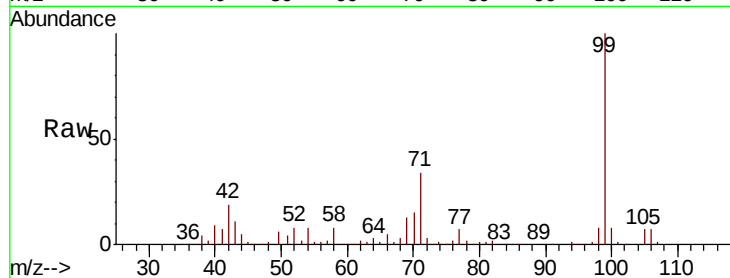
Tgt Ion: 99 Resp: 579896

Ion Ratio Lower Upper

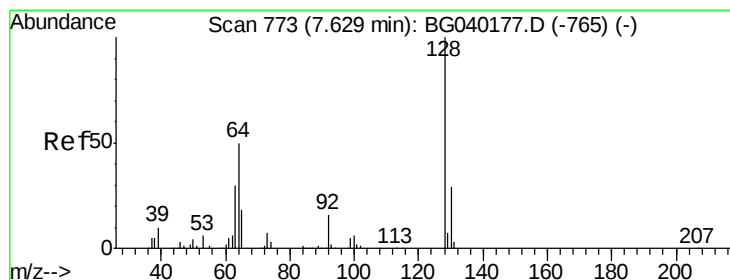
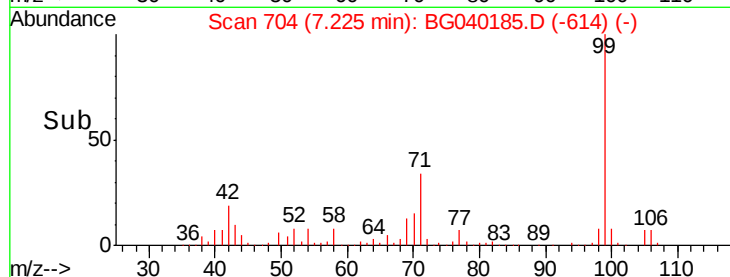
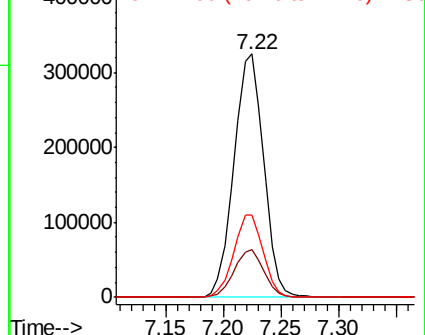
99 100

42 19.4 16.2 24.2

71 34.0 26.8 40.2



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: 15.807 ng

RT: 7.64 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

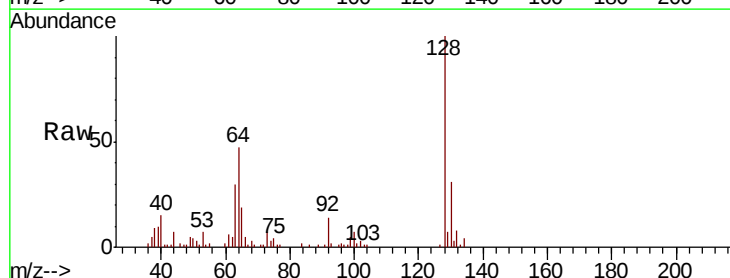
Tgt Ion: 128 Resp: 59985

Ion Ratio Lower Upper

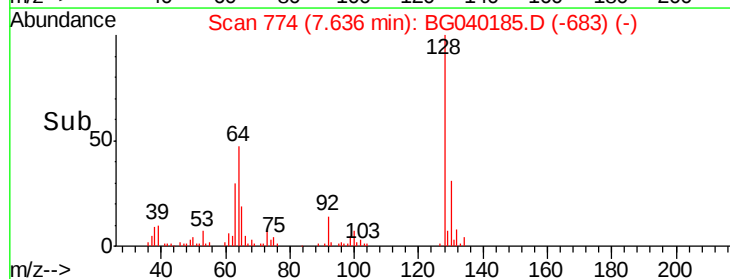
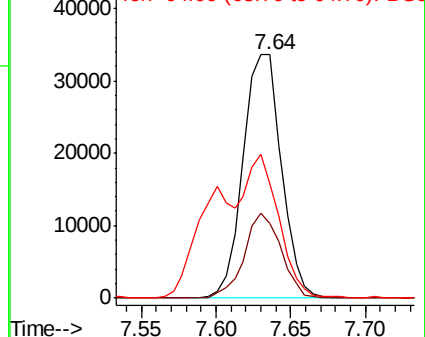
128 100

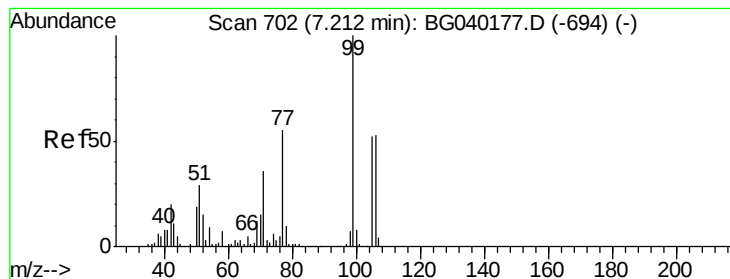
130 30.5 9.1 49.1

64 46.7 33.1 73.1



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: 17.300 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

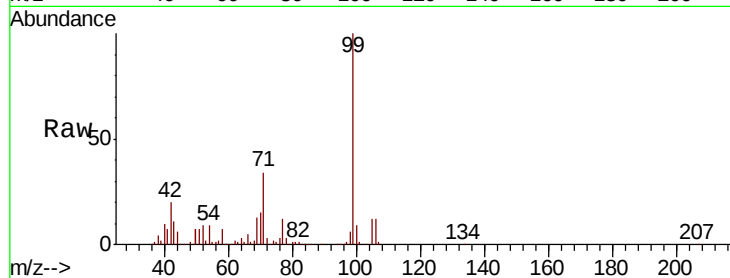
Tgt Ion: 77 Resp: 53166

Ion Ratio Lower Upper

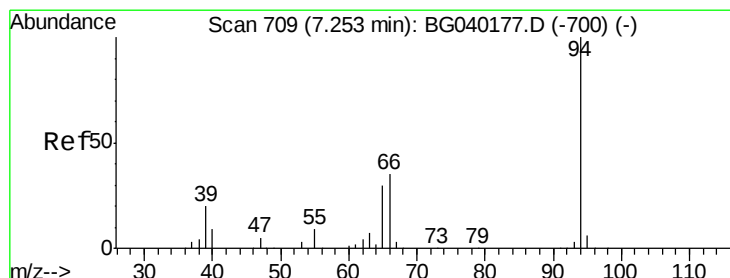
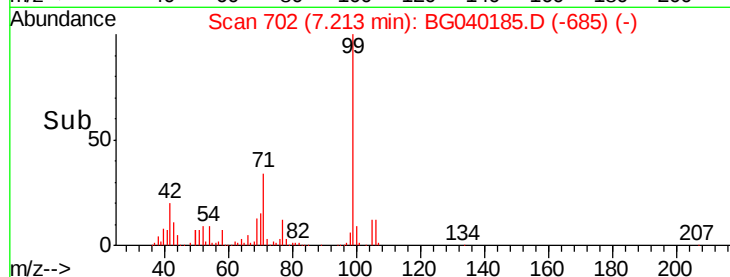
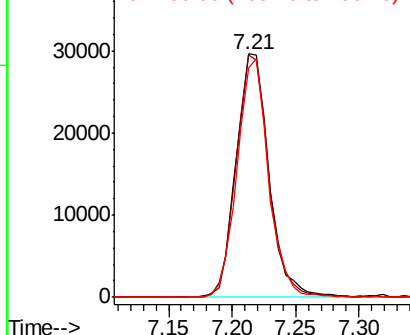
77 100

105 99.4 75.0 115.0

106 94.0 75.7 115.7



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: 15.896 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

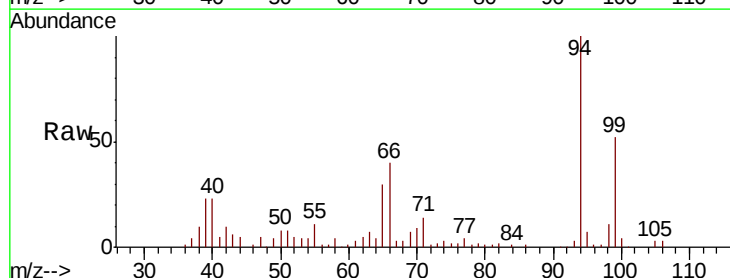
Tgt Ion: 94 Resp: 77298

Ion Ratio Lower Upper

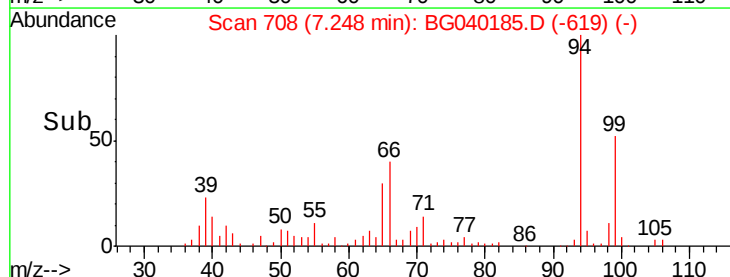
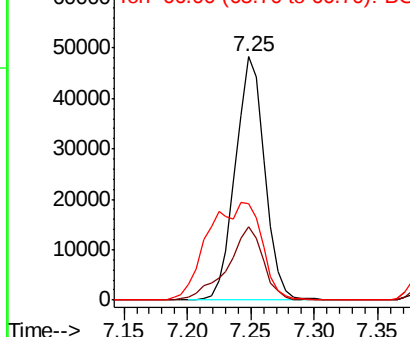
94 100

65 30.0 10.5 50.5

66 39.6 16.9 56.9



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

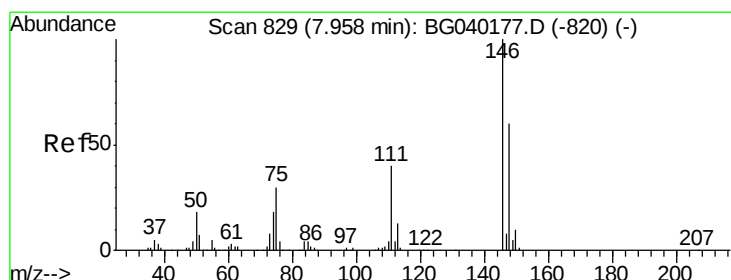
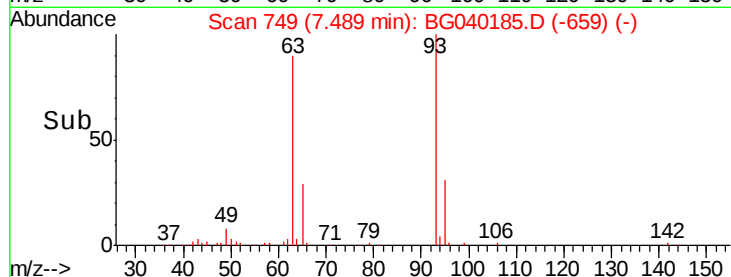
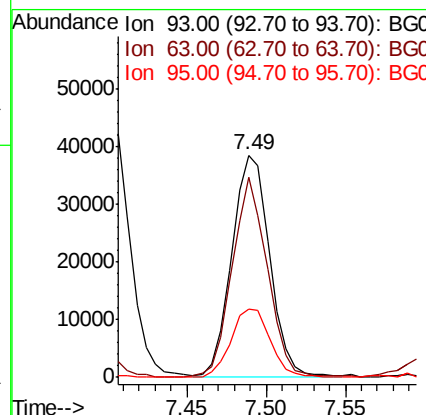
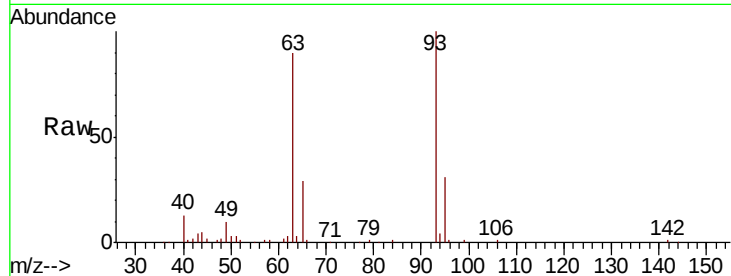




#11
 bis(2-Chloroethyl)ether
 Concen: 16.372 ng
 RT: 7.49 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

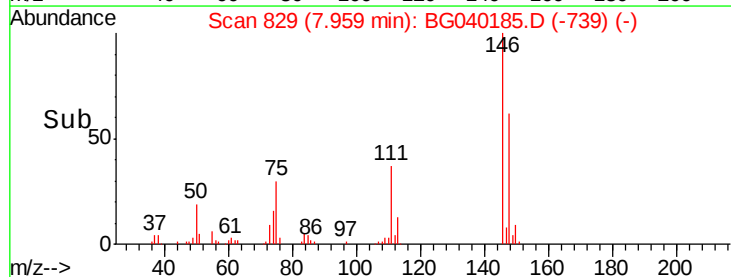
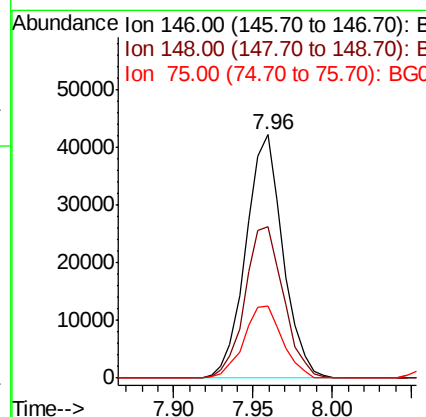
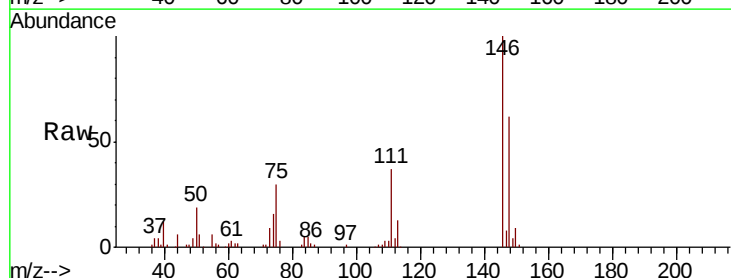
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 93 Resp: 63767
 Ion Ratio Lower Upper
 93 100
 63 89.9 64.2 104.2
 95 30.6 14.0 54.0



#12
 1,3-Dichlorobenzene
 Concen: 16.523 ng
 RT: 7.96 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion: 146 Resp: 68161
 Ion Ratio Lower Upper
 146 100
 148 62.0 48.2 72.2
 75 29.8 24.1 36.1

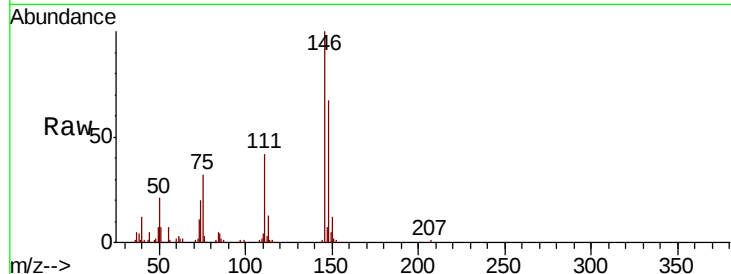




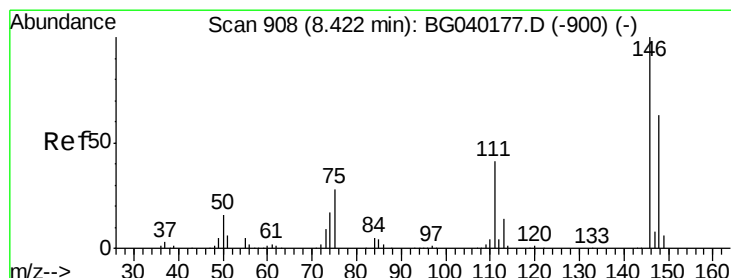
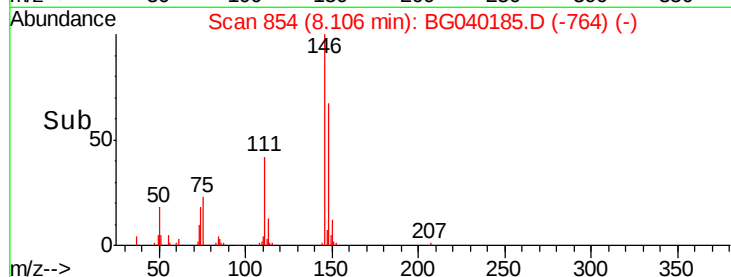
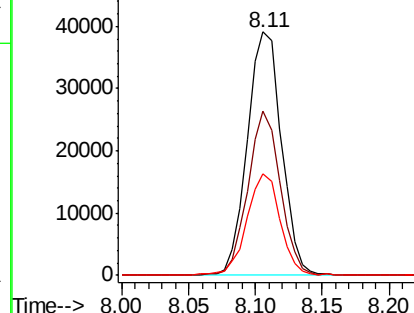
#13
 1,4-Dichlorobenzene
 Concen: 16.757 ng
 RT: 8.11 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:146 Resp: 68847
 Ion Ratio Lower Upper
 146 100
 148 67.2 51.0 76.4
 111 41.5 31.8 47.6

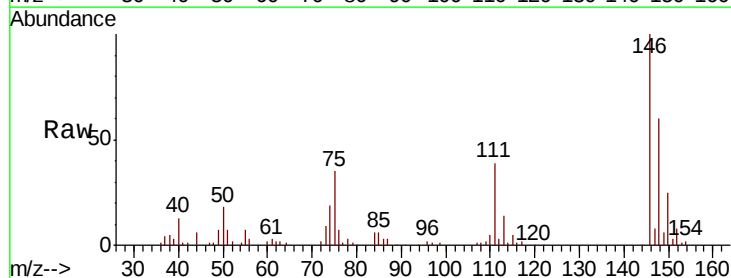


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

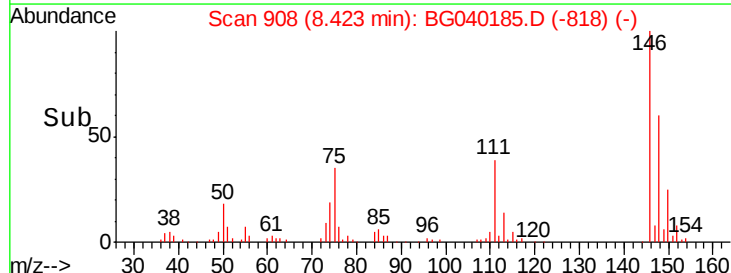
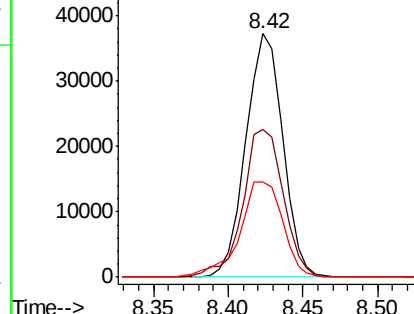


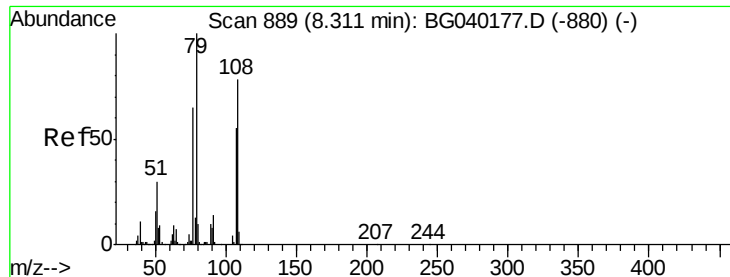
#14
 1,2-Dichlorobenzene
 Concen: 16.252 ng
 RT: 8.42 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:146 Resp: 63854
 Ion Ratio Lower Upper
 146 100
 148 60.5 50.8 76.2
 111 39.0 33.4 50.0



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





#15

Benzyl Alcohol

Concen: 15.680 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

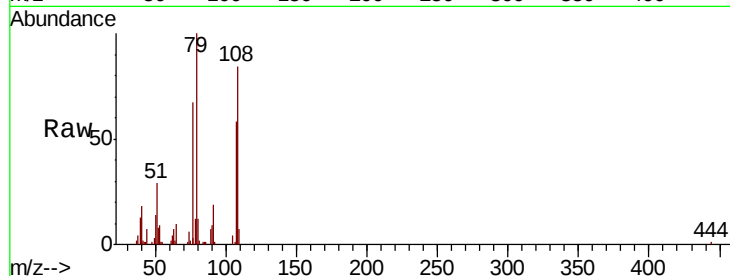
Tgt Ion: 79 Resp: 56574

Ion Ratio Lower Upper

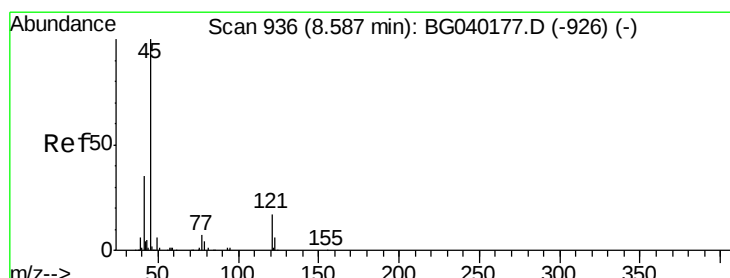
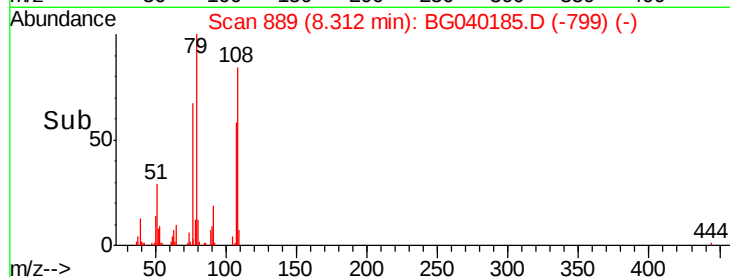
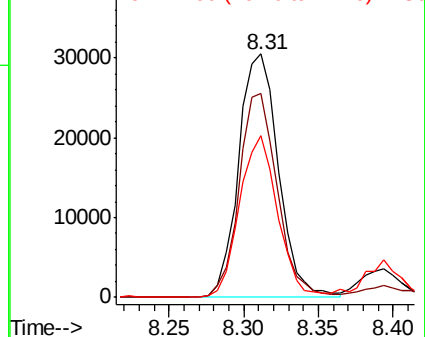
79 100

108 83.5 62.1 93.1

77 66.7 51.9 77.9



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: 16.429 ng

RT: 8.59 min Scan# 937

Delta R.T. 0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

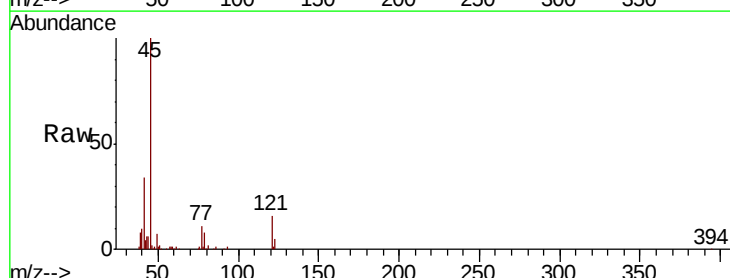
Tgt Ion: 45 Resp: 122808

Ion Ratio Lower Upper

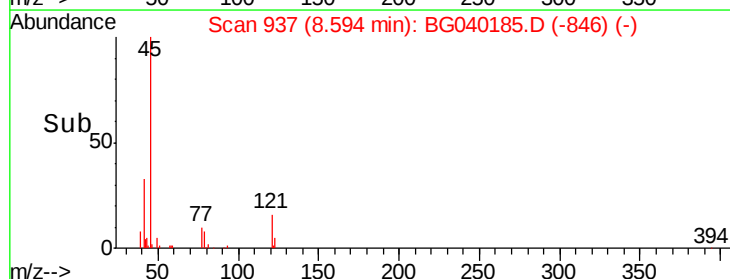
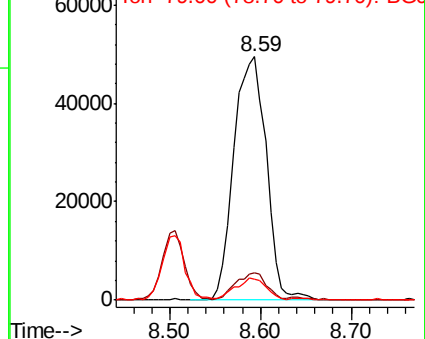
45 100

77 11.1 0.0 31.4

79 8.9 0.0 28.3



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

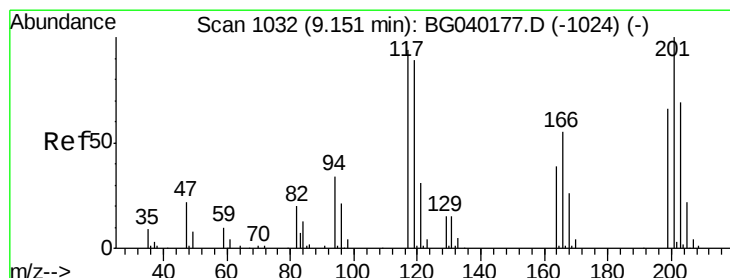
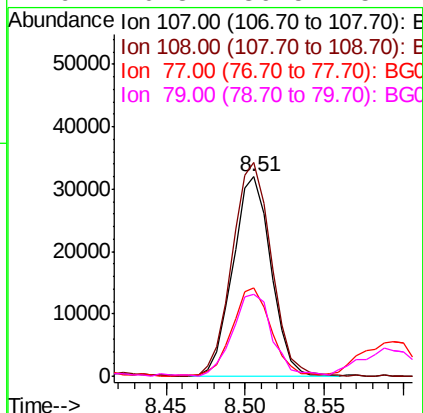
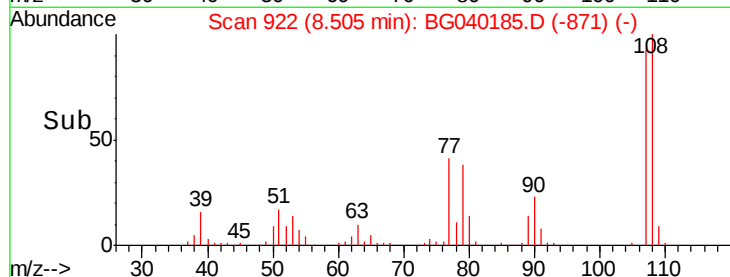
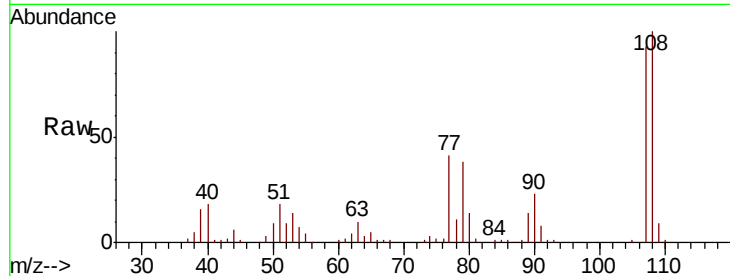




#17
2-Methylphenol
Concen: 15.858 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

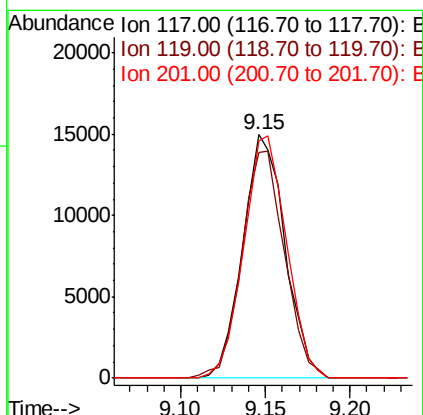
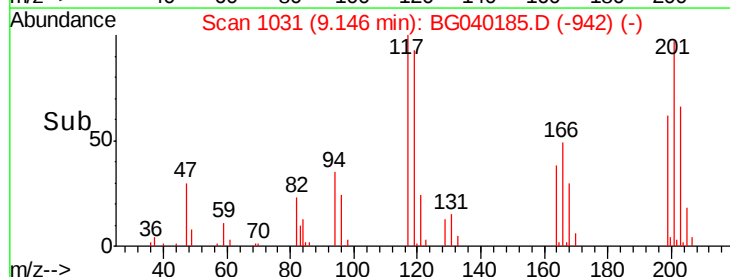
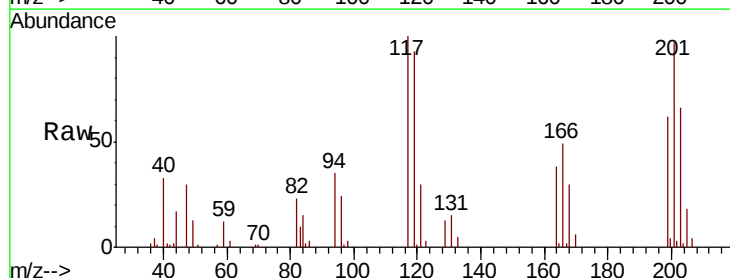
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

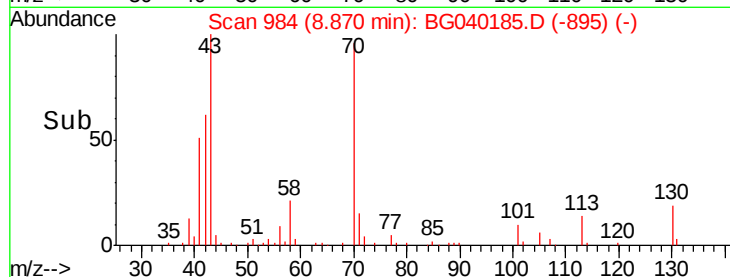
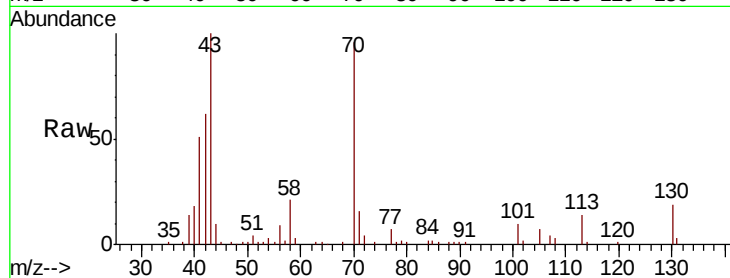
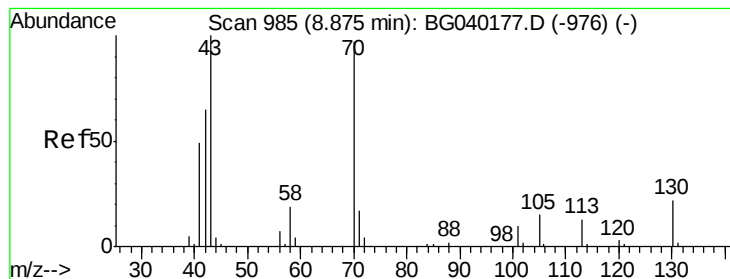
Tgt Ion:107 Resp: 53362
Ion Ratio Lower Upper
107 100
108 107.2 88.2 132.4
77 44.2 36.6 55.0
79 40.8 36.5 54.7



#18
Hexachloroethane
Concen: 16.614 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:117 Resp: 25965
Ion Ratio Lower Upper
117 100
119 94.0 76.6 115.0
201 97.4 85.0 127.4





#19

n-Nitroso-di-n-propylamine

Concen: 16.200 ng

RT: 8.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 70 Resp: 52036

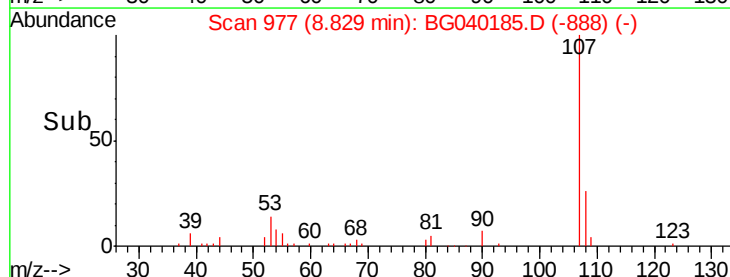
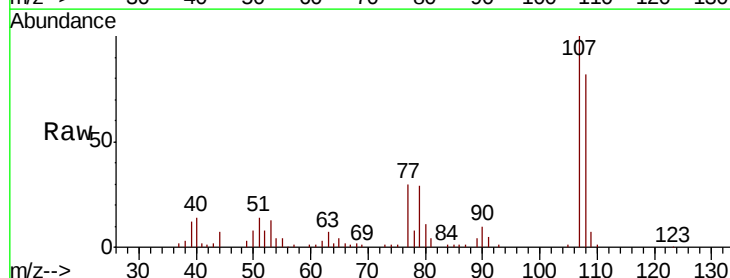
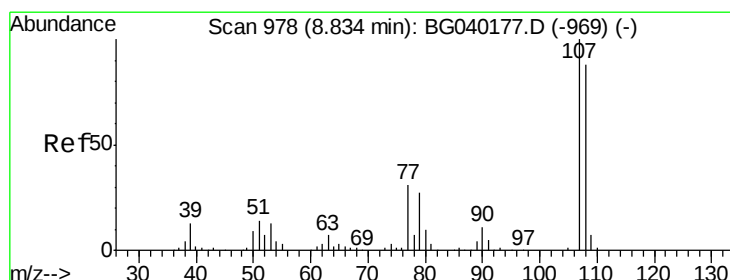
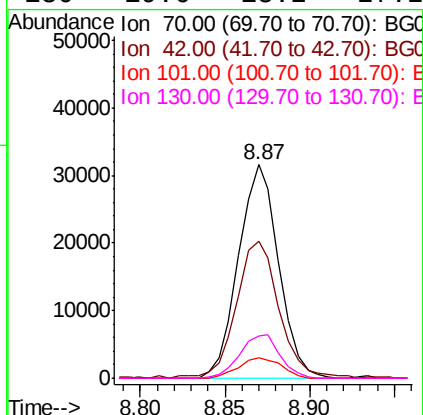
Ion Ratio Lower Upper

70 100

42 64.0 54.0 81.0

101 9.9 8.6 13.0

130 19.6 18.2 27.2



#20

3+4-Methylphenols

Concen: 15.956 ng

RT: 8.83 min Scan# 977

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Tgt Ion: 107 Resp: 72737

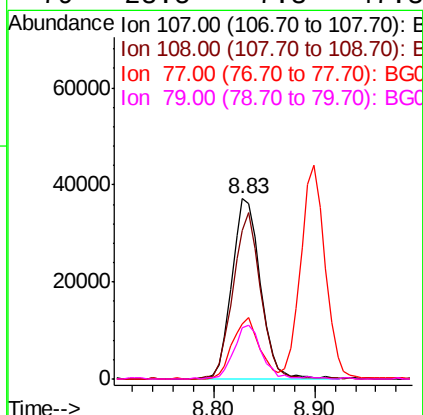
Ion Ratio Lower Upper

107 100

108 82.1 68.3 108.3

77 30.2 11.3 51.3

79 28.5 7.3 47.3

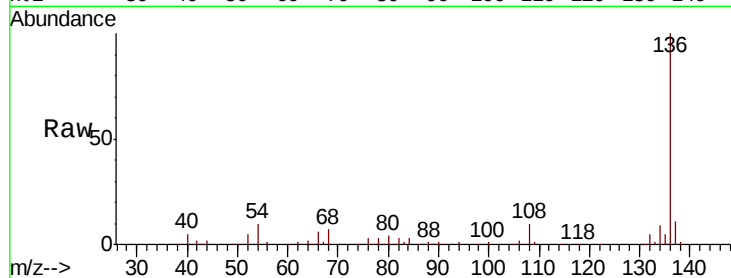




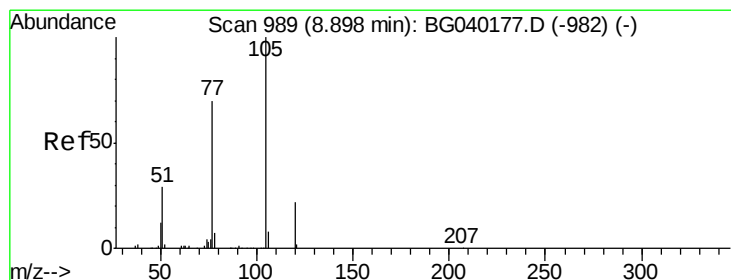
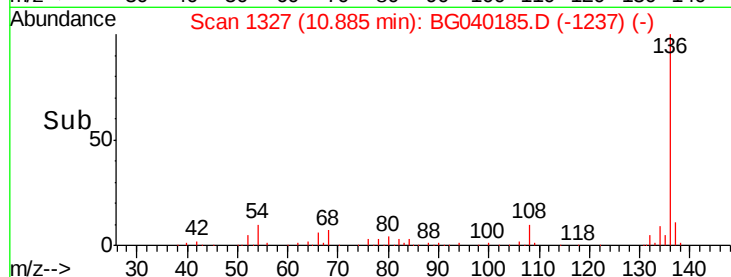
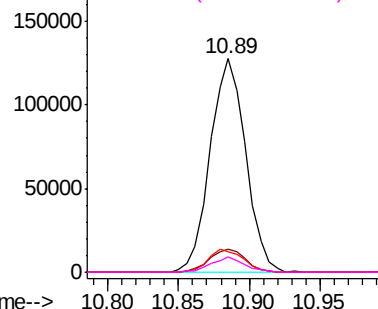
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	136	Resp:	224406
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.6	9.6	14.4#
68	7.5	5.1	7.7

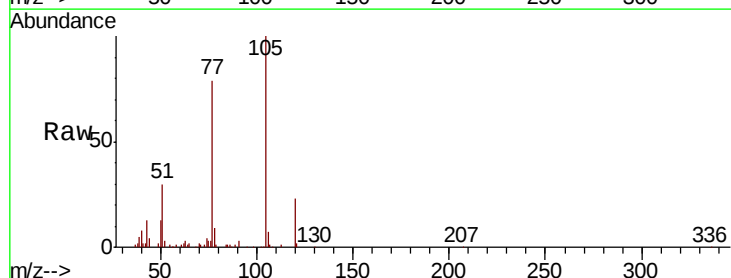


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

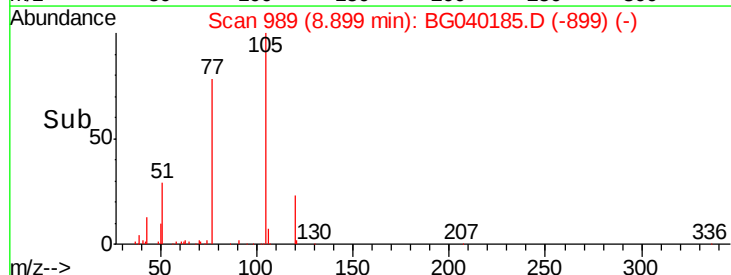
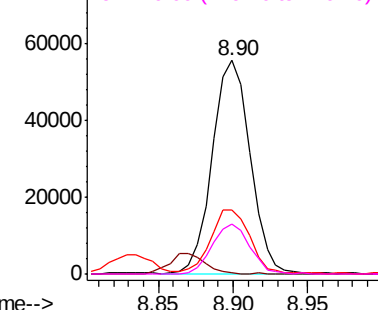


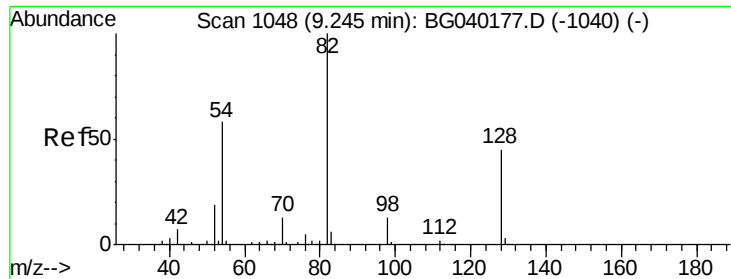
#22
Acetophenone
Concen: 17.515 ng
RT: 8.90 min Scan# 989
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:	105	Resp:	98046
Ion	Ratio	Lower	Upper
105	100		
71	0.7	0.6	1.0
51	29.9	25.1	37.7
120	23.3	17.6	26.4



Abundance Ion 105.00 (104.70 to 105.70): E
80000
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: 86.825 ng

RT: 9.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

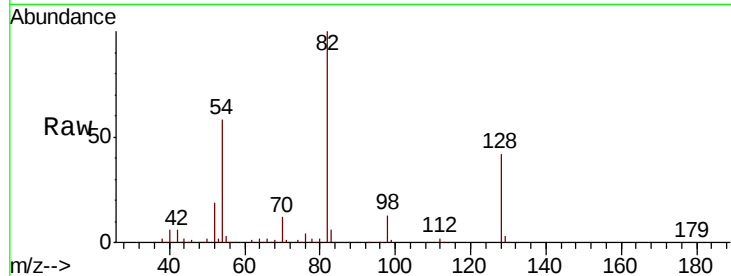
Tgt Ion: 82 Resp: 366561

Ion Ratio Lower Upper

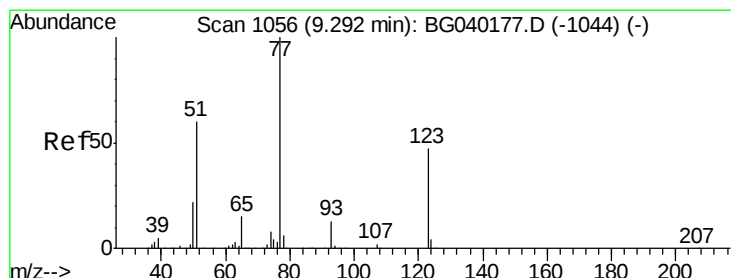
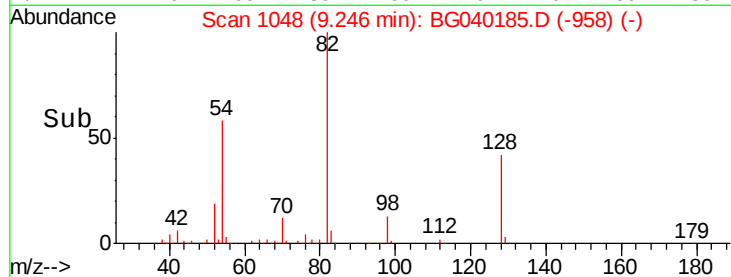
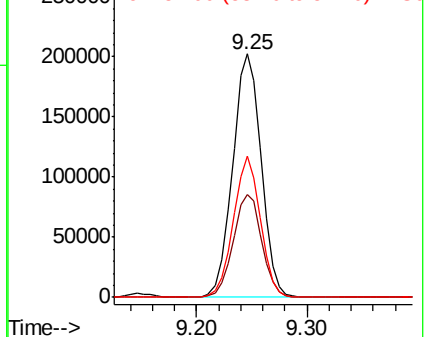
82 100

128 42.4 35.8 53.8

54 58.0 46.2 69.2



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



#24

Nitrobenzene

Concen: 17.188 ng

RT: 9.29 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

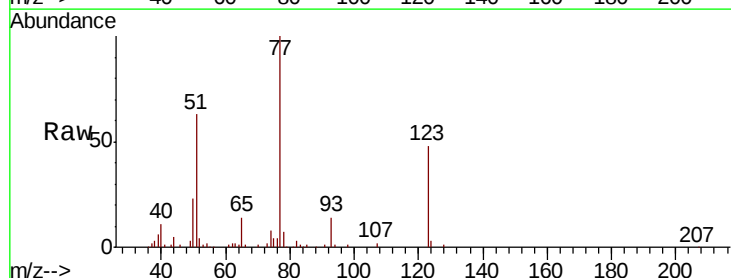
Tgt Ion: 77 Resp: 75142

Ion Ratio Lower Upper

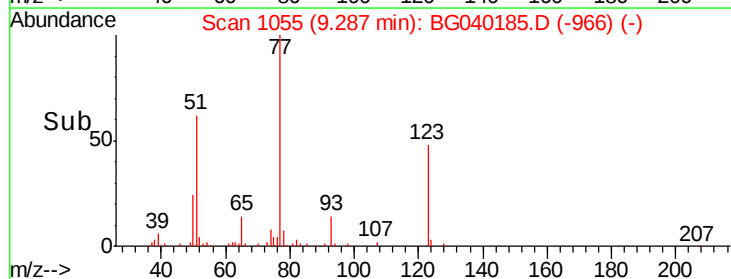
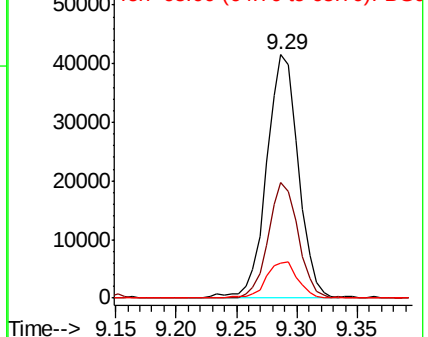
77 100

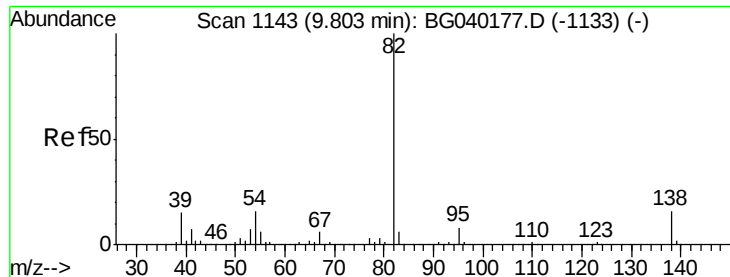
123 47.7 37.8 56.6

65 14.2 12.0 18.0



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





#25

Isophorone

Concen: 16.804 ng

RT: 9.80 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

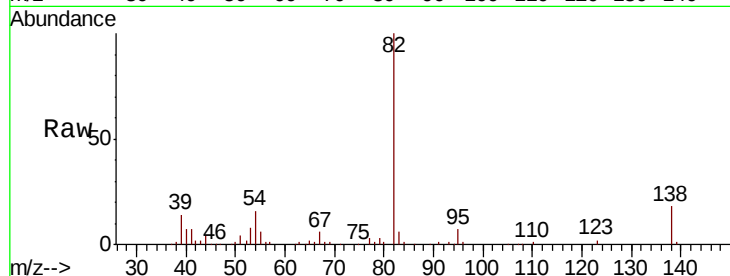
Tgt Ion: 82 Resp: 145971

Ion Ratio Lower Upper

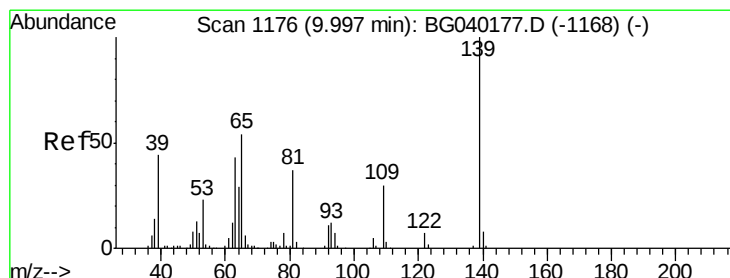
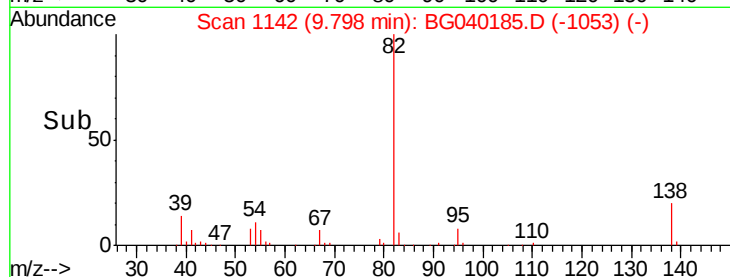
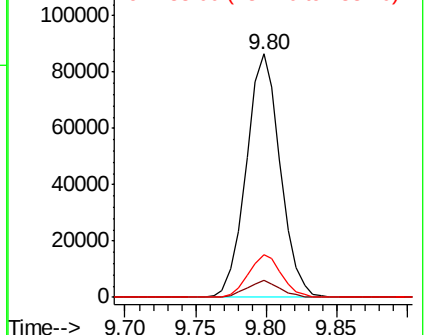
82 100

95 7.1 6.1 9.1

138 17.7 13.2 19.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 16.389 ng

RT: 10.00 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

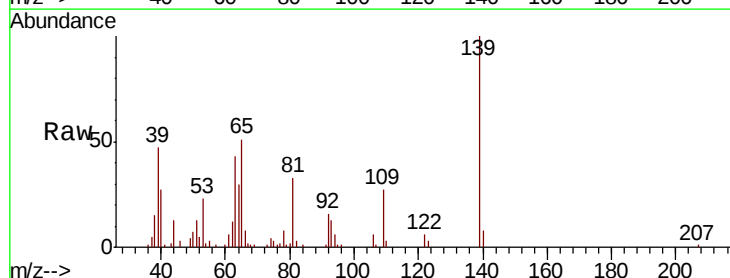
Tgt Ion: 139 Resp: 33951

Ion Ratio Lower Upper

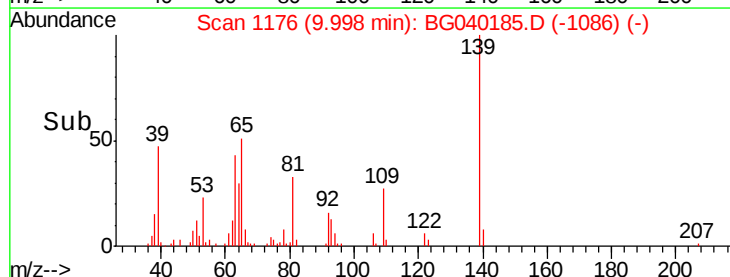
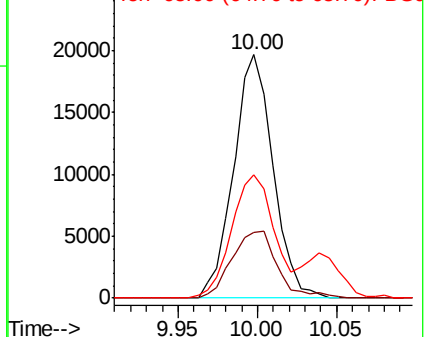
139 100

109 26.7 24.1 36.1

65 50.6 43.0 64.6



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

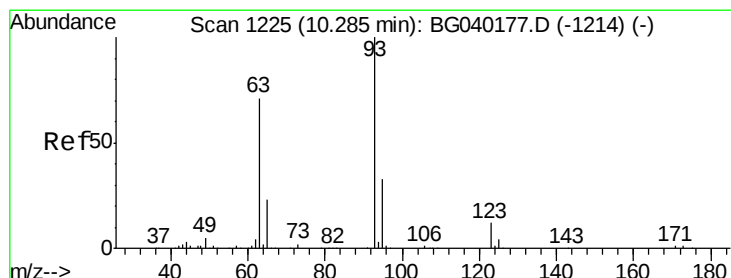
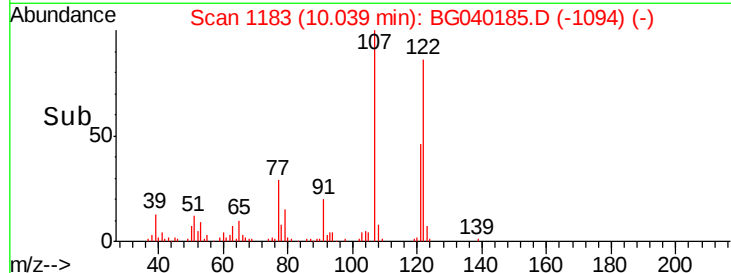
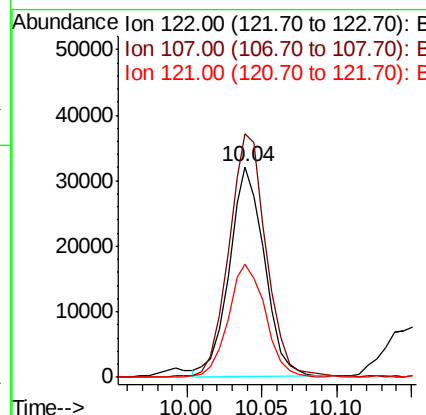
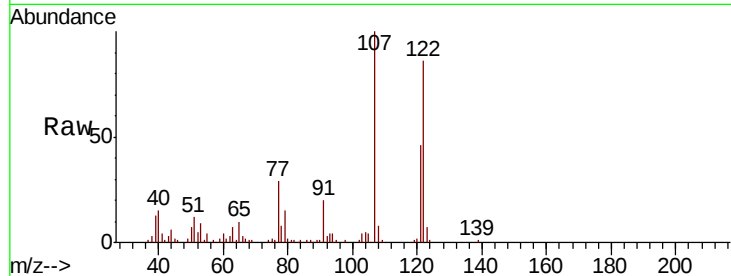




#27
 2,4-Dimethylphenol
 Concen: 15.999 ng
 RT: 10.04 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

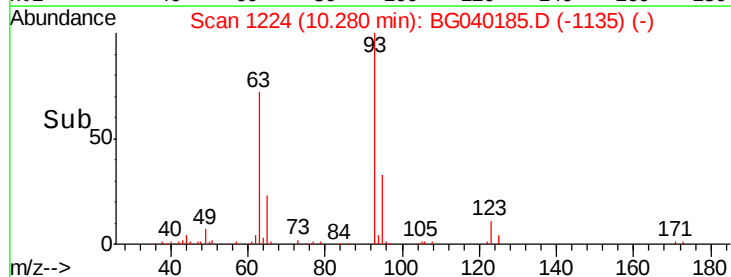
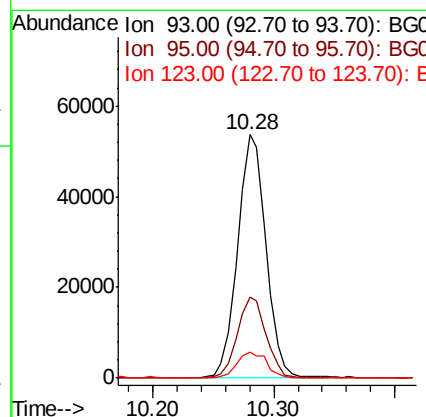
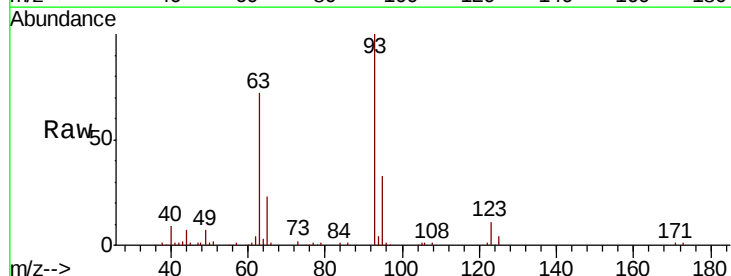
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

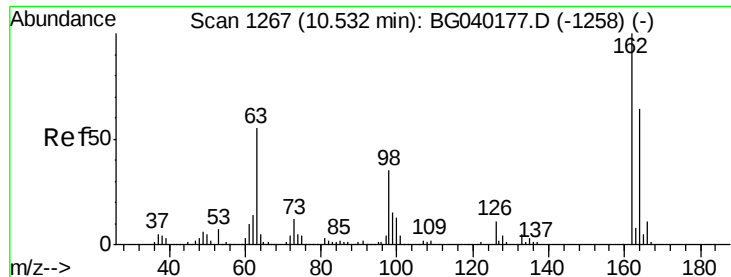
Tgt Ion	Ratio	Lower	Upper
122	100		
107	115.6	97.4	146.2
121	53.5	47.7	71.5



#28
 bis(2-Chloroethoxy)methane
 Concen: 17.061 ng
 RT: 10.28 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.2	39.4
123	10.9	9.4	14.0

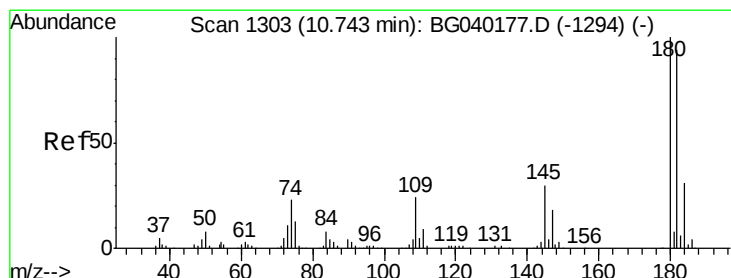
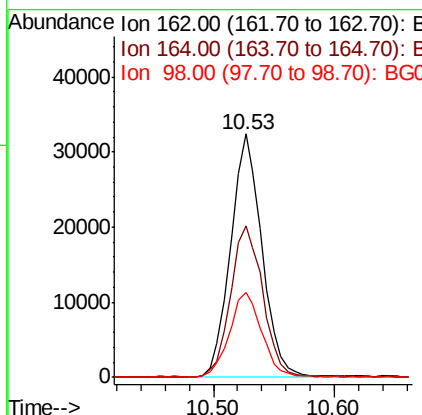
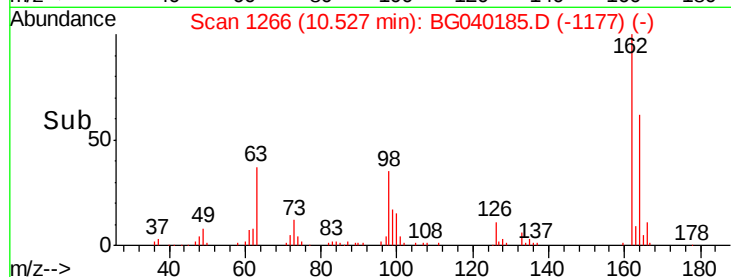
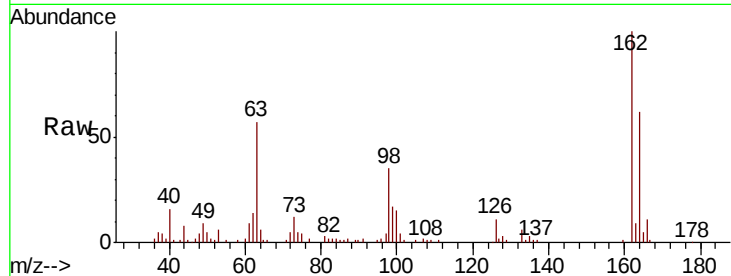




#29
2,4-Dichlorophenol
Concen: 16.387 ng
RT: 10.53 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

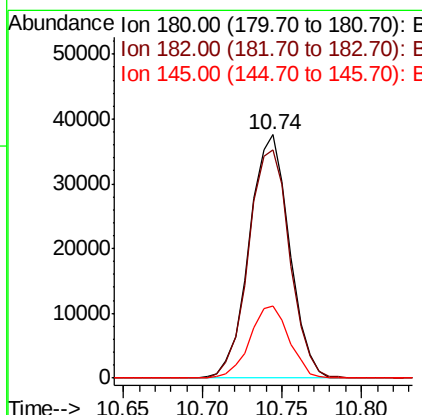
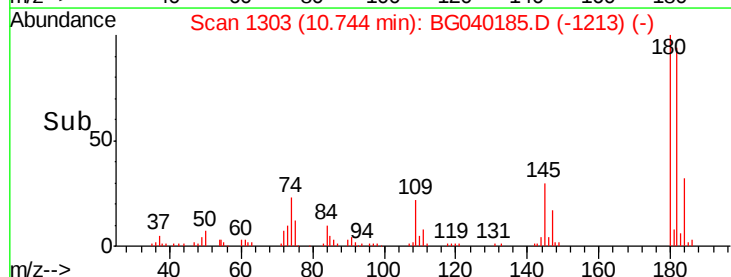
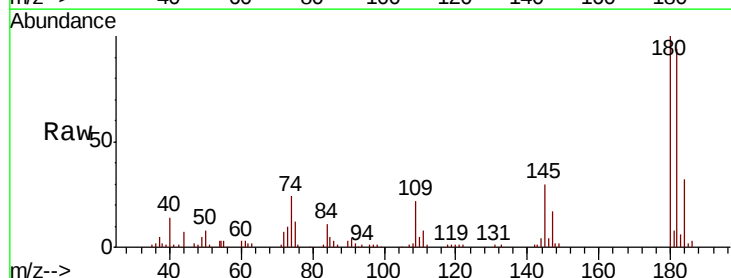
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:162 Resp: 58530
Ion Ratio Lower Upper
162 100
164 62.3 43.9 83.9
98 35.1 15.6 55.6



#30
1,2,4-Trichlorobenzene
Concen: 16.856 ng
RT: 10.74 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:180 Resp: 66104
Ion Ratio Lower Upper
180 100
182 93.8 75.1 112.7
145 29.6 24.1 36.1





#31

Naphthalene

Concen: 17.582 ng

RT: 10.94 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

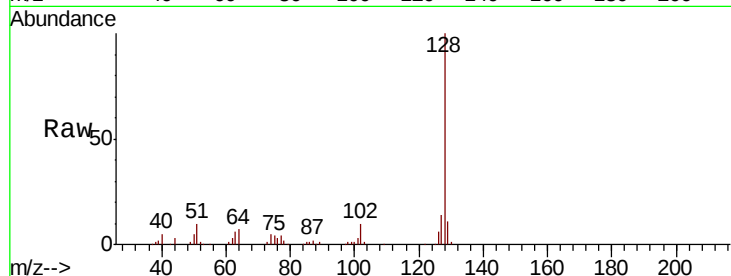
Tgt Ion:128 Resp: 202235

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

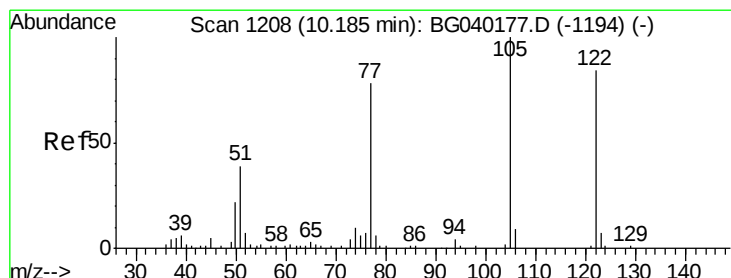
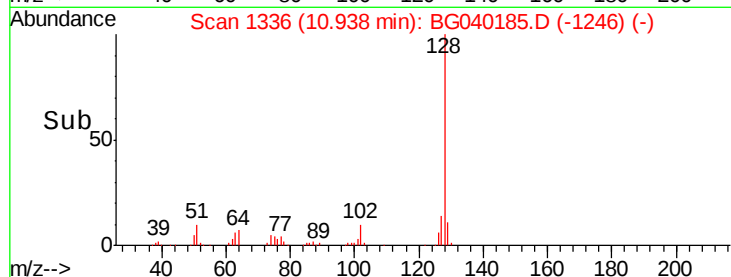
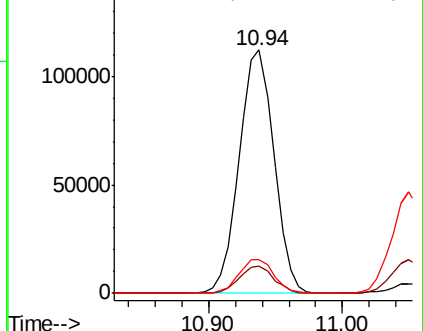
127 14.0 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.766 ng

RT: 10.15 min Scan# 1202

Delta R.T. -0.03 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

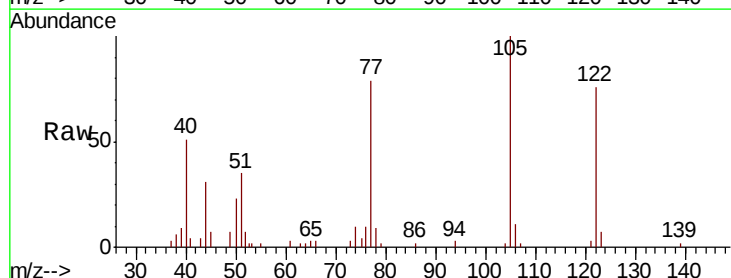
Tgt Ion:122 Resp: 21404

Ion Ratio Lower Upper

122 100

105 131.3 98.2 138.2

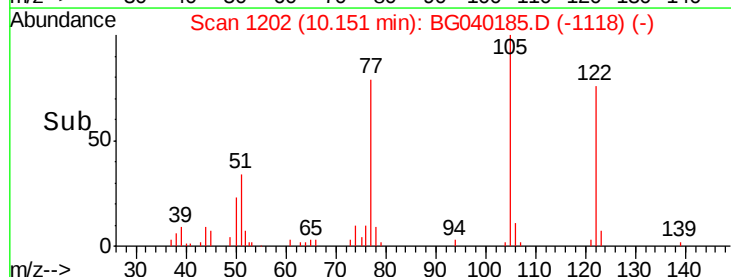
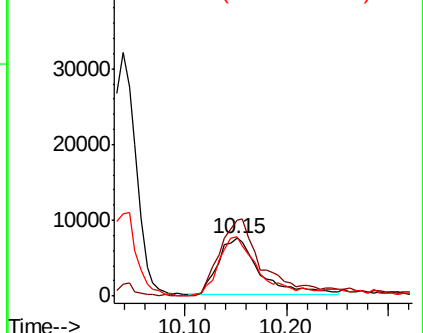
77 103.1 73.6 113.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

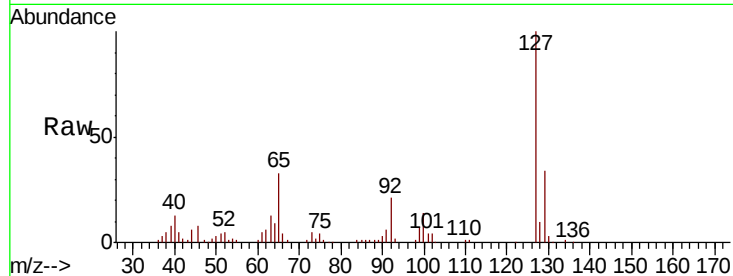




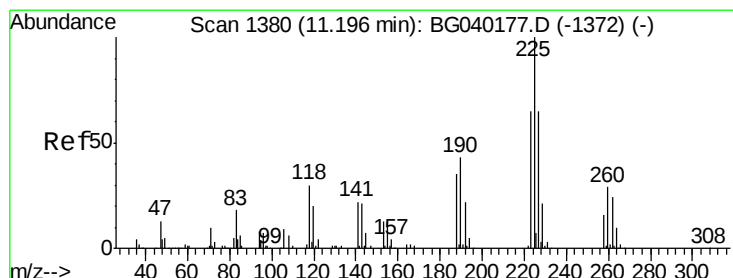
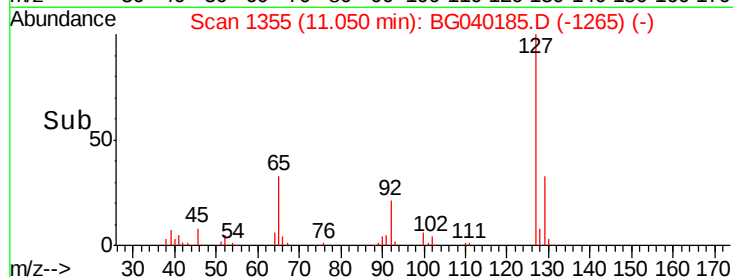
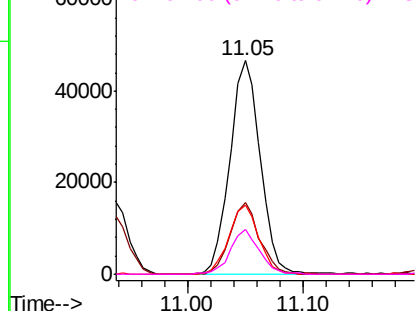
#33
4-Chloroaniline
Concen: 17.278 ng
RT: 11.05 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	127	Resp:	84775
Ion	Ratio	Lower	Upper
127	100		
129	33.6	26.6	40.0
65	32.6	27.0	40.4
92	20.9	16.6	25.0

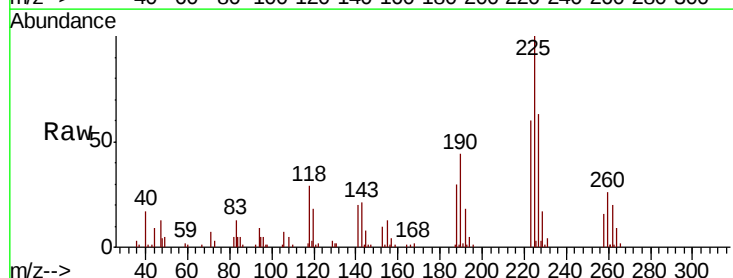


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

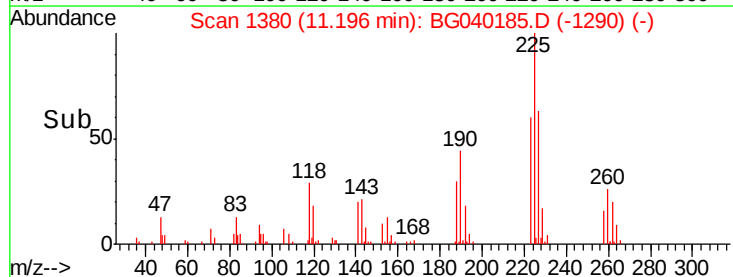
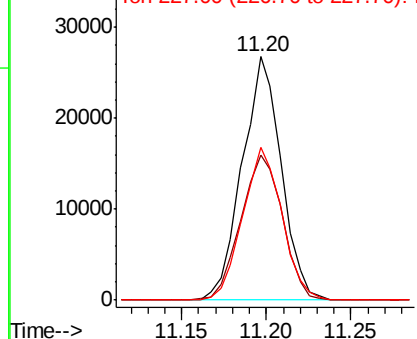


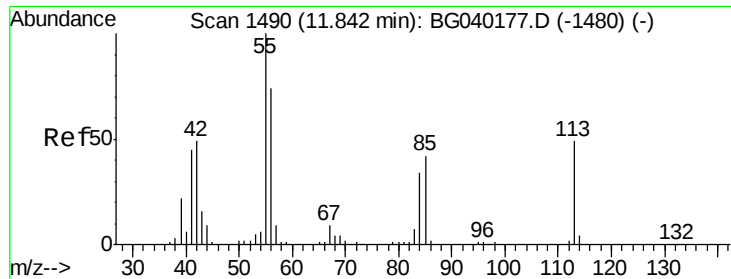
#34
Hexachlorobutadiene
Concen: 17.154 ng
RT: 11.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:	225	Resp:	43026
Ion	Ratio	Lower	Upper
225	100		
223	59.8	51.8	77.8
227	65.6	54.9	82.3



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

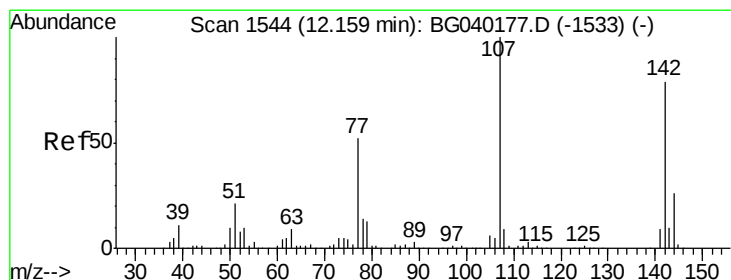
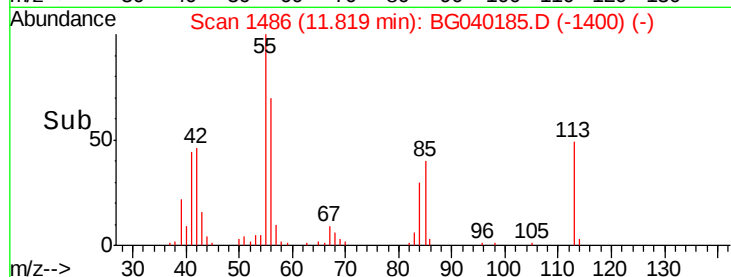
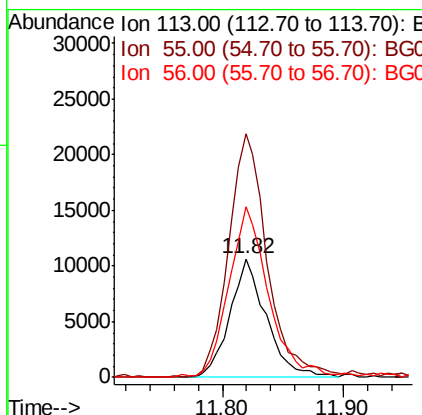
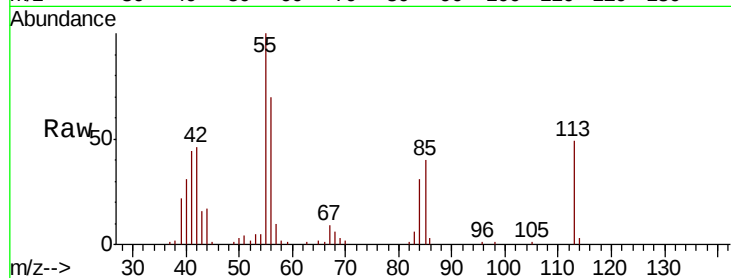




#35
 Caprolactam
 Concen: 15.830 ng
 RT: 11.82 min Scan# 1486
 Delta R.T. -0.02 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

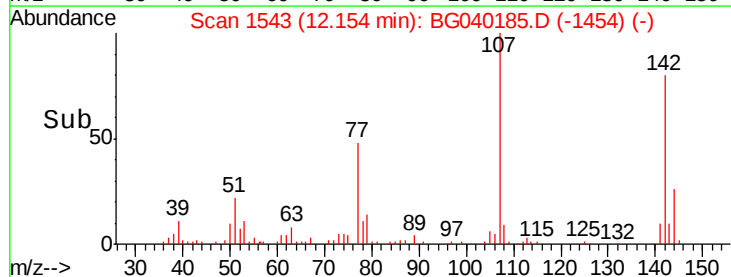
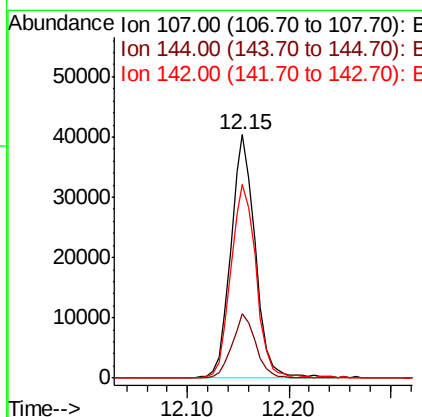
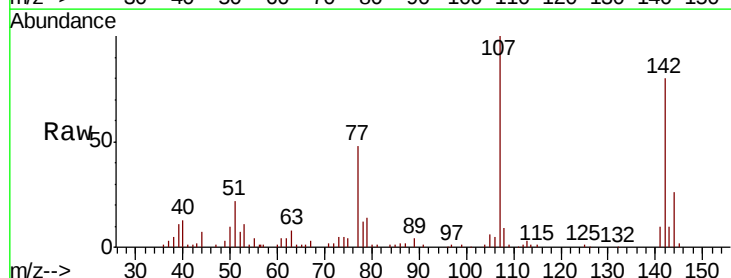
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

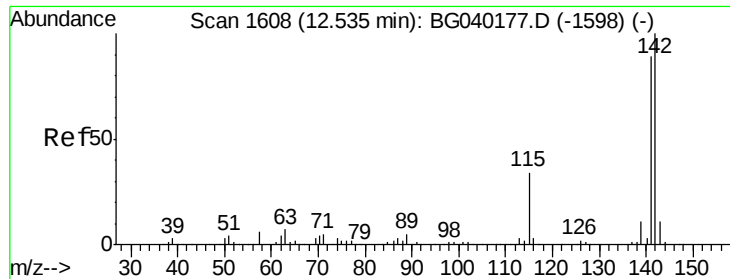
Tgt Ion:113 Resp: 22437
 Ion Ratio Lower Upper
 113 100
 55 205.0 184.2 224.2
 56 143.9 131.3 171.3



#36
 4-Chloro-3-methylphenol
 Concen: 16.407 ng
 RT: 12.15 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:107 Resp: 67367
 Ion Ratio Lower Upper
 107 100
 144 26.3 20.5 30.7
 142 79.7 63.1 94.7

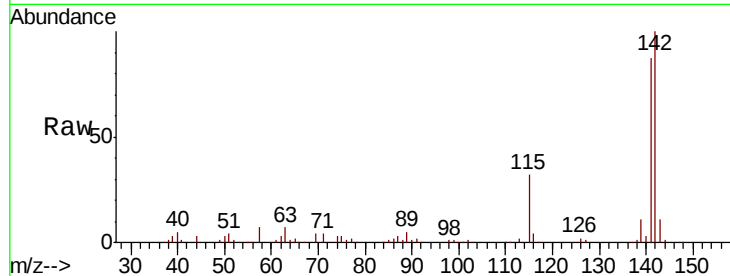




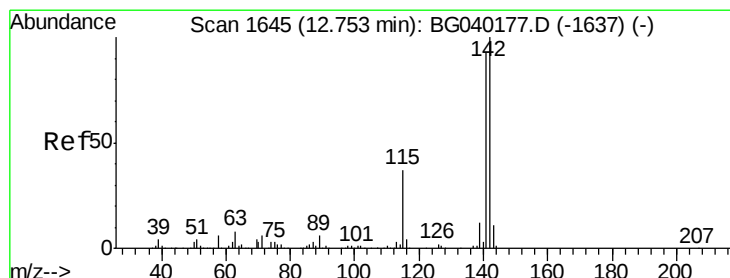
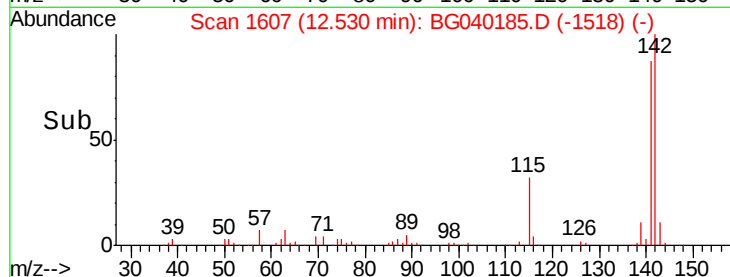
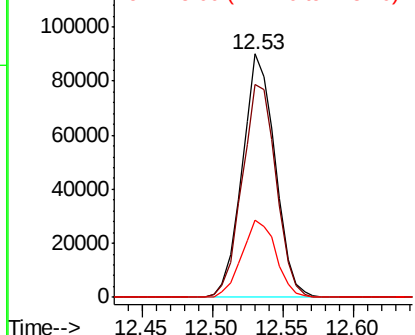
#37
 2-Methylnaphthalene
 Concen: 17.208 ng
 RT: 12.53 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:142 Resp: 146392
 Ion Ratio Lower Upper
 142 100
 141 87.4 71.0 106.6
 115 31.6 27.3 40.9

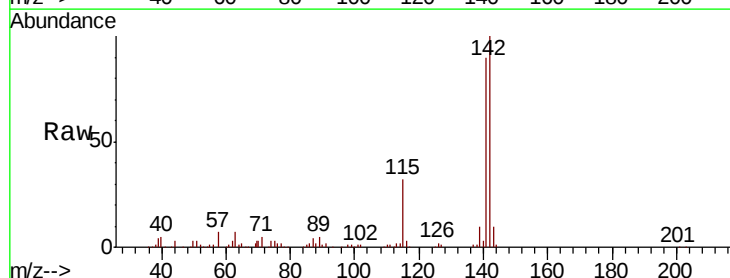


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

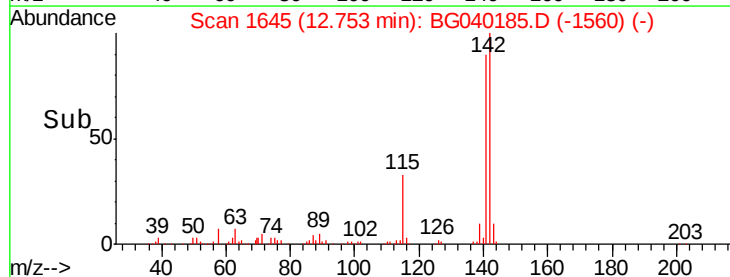
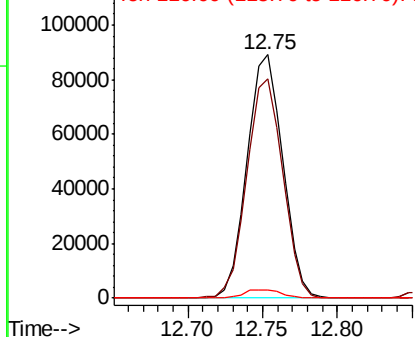


#38
 1-Methylnaphthalene
 Concen: 17.814 ng
 RT: 12.75 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:142 Resp: 146948
 Ion Ratio Lower Upper
 142 100
 141 89.8 74.2 111.4
 116 3.2 3.0 4.4



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: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

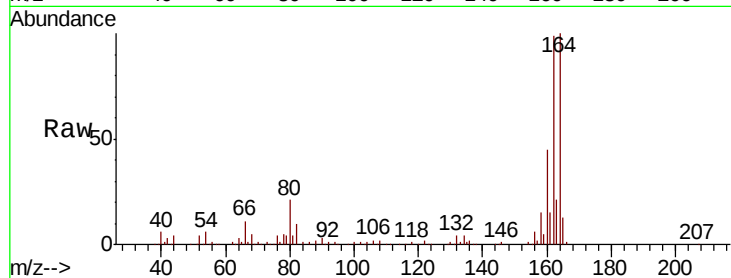
Tgt Ion:164 Resp: 138510

Ion Ratio Lower Upper

164 100

162 99.4 77.4 116.2

160 44.8 35.3 52.9

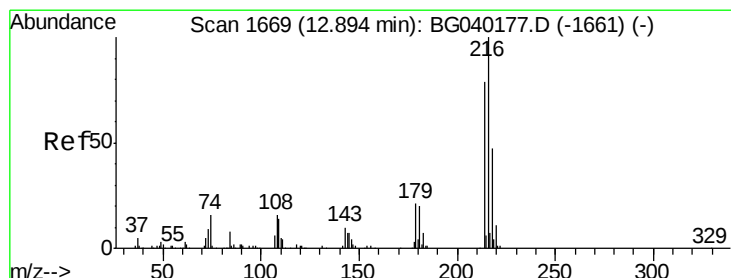
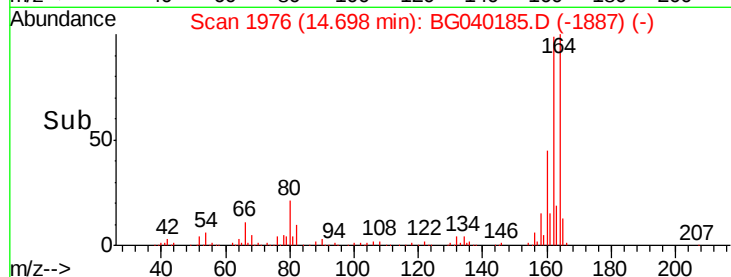
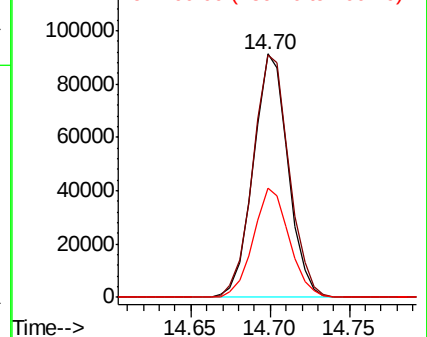


Abundance

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: 17.537 ng

RT: 12.89 min Scan# 1669

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Tgt Ion:216 Resp: 77203

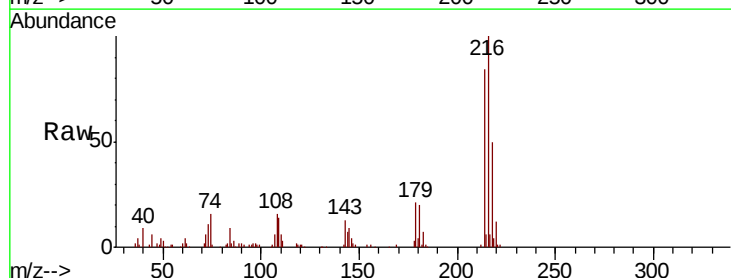
Ion Ratio Lower Upper

216 100

214 80.5 63.5 95.3

179 20.8 16.6 25.0

108 16.8 13.8 20.8



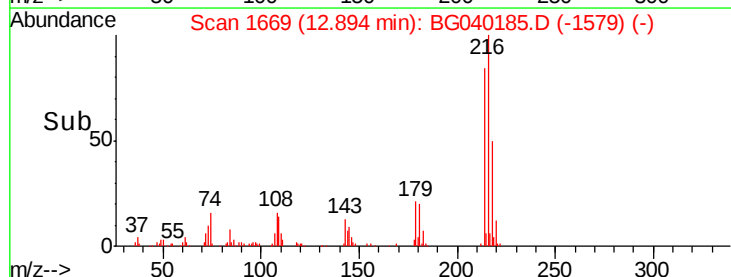
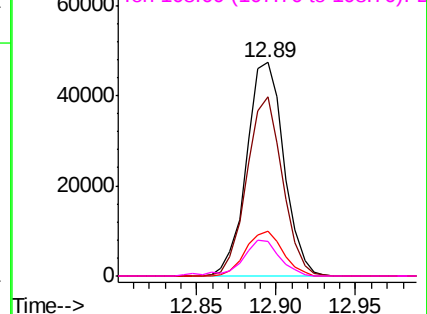
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 14.729 ng

RT: 12.86 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

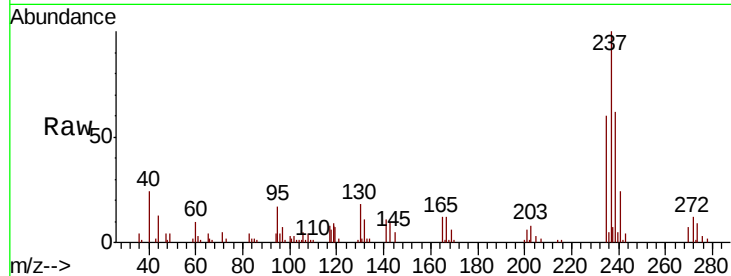
Tgt Ion:237 Resp: 35603

Ion Ratio Lower Upper

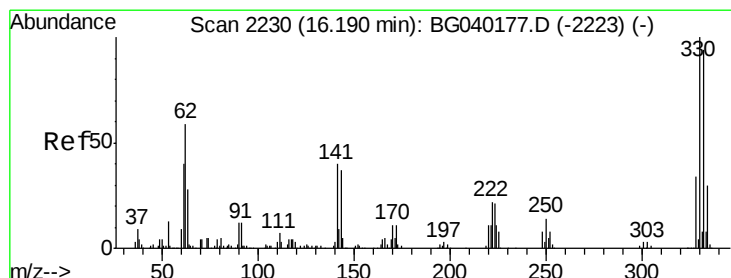
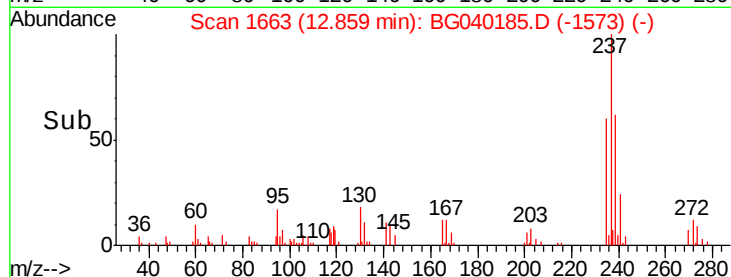
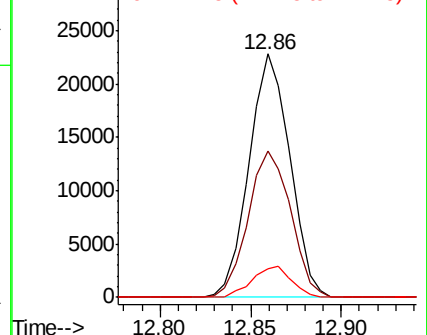
237 100

235 60.3 46.2 86.2

272 11.6 0.0 30.5



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



#42

2,4,6-Tribromophenol

Concen: 137.347 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

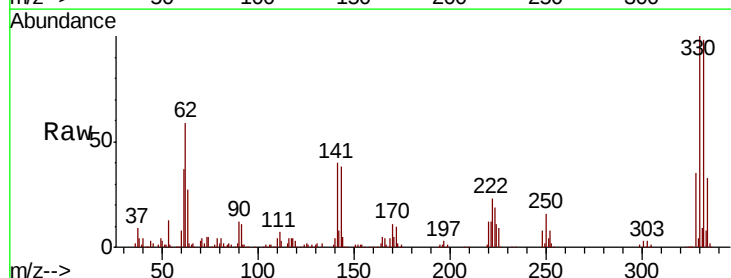
Tgt Ion:330 Resp: 205599

Ion Ratio Lower Upper

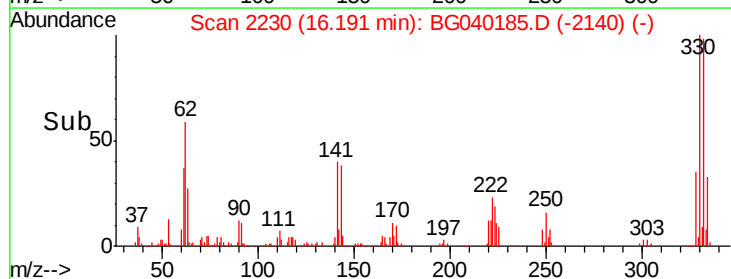
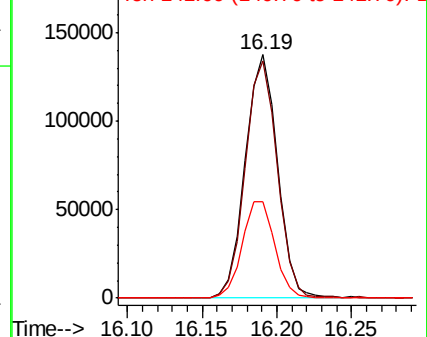
330 100

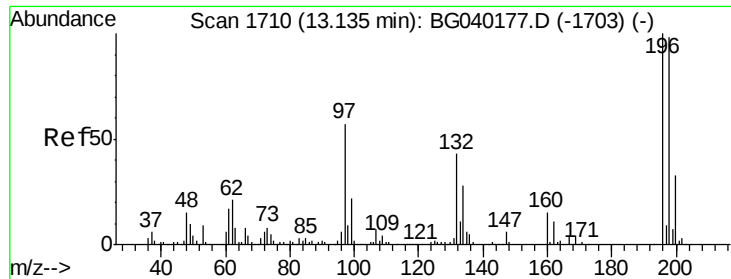
332 97.2 76.6 115.0

141 40.7 32.6 48.8



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

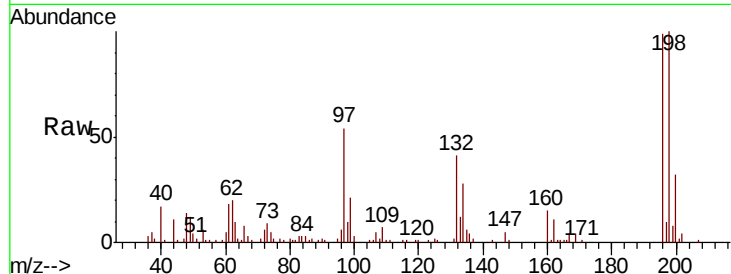




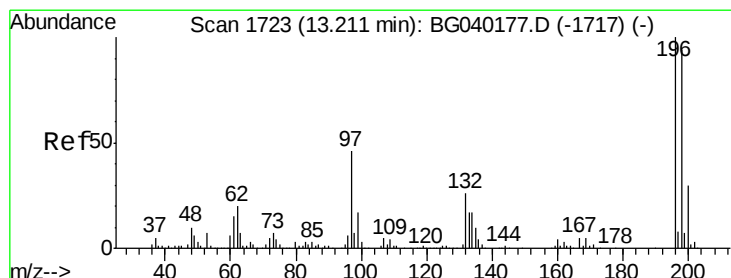
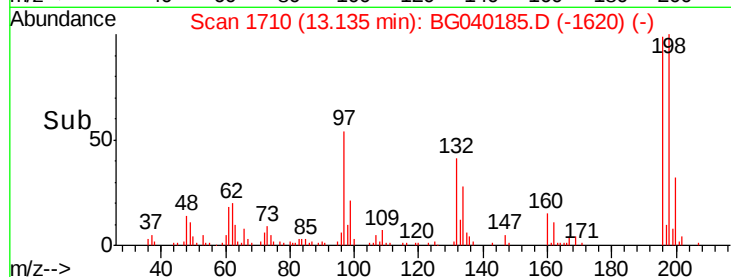
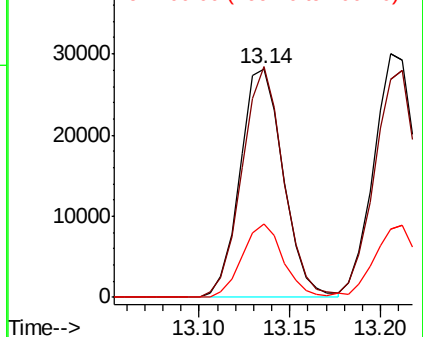
#43
 2,4,6-Trichlorophenol
 Concen: 16.424 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:196 Resp: 46616
 Ion Ratio Lower Upper
 196 100
 198 101.1 78.3 117.5
 200 32.1 26.0 39.0



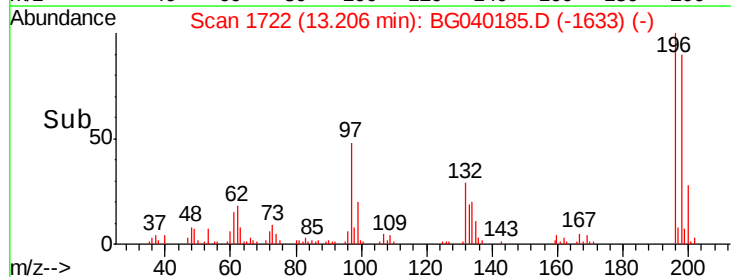
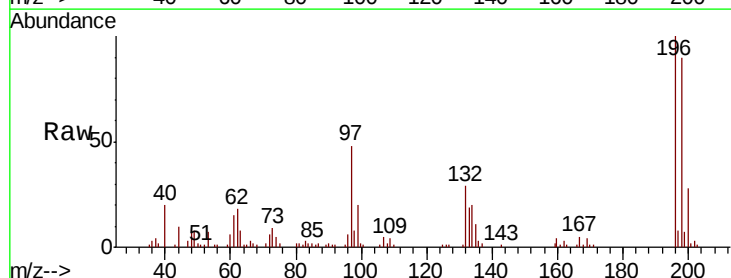
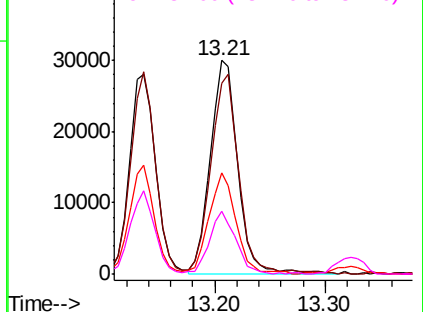
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

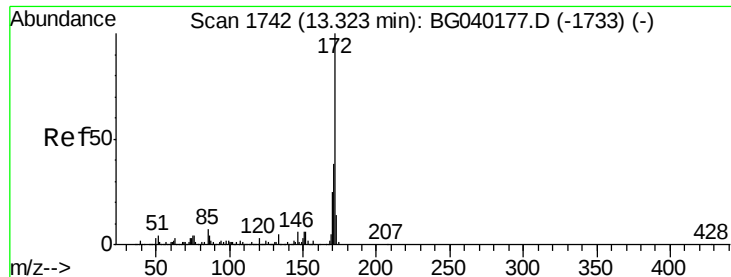


#44
 2,4,5-Trichlorophenol
 Concen: 16.668 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:196 Resp: 51565
 Ion Ratio Lower Upper
 196 100
 198 89.5 75.0 112.6
 97 47.5 37.3 55.9
 132 29.5 20.9 31.3

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

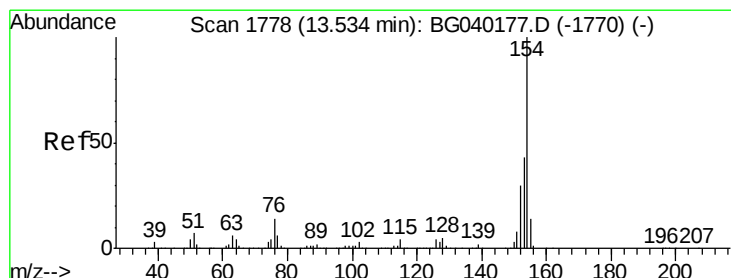
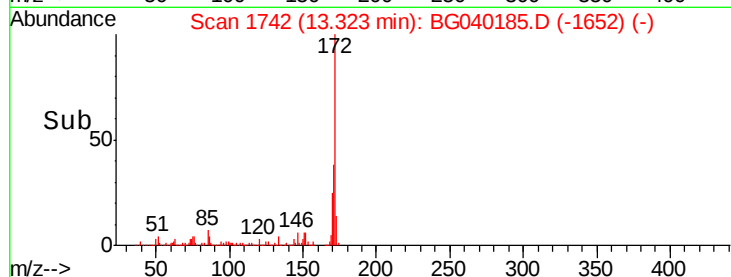
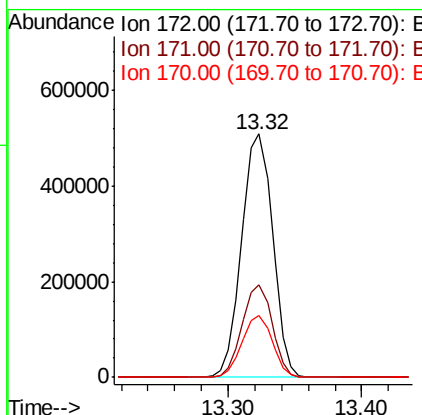
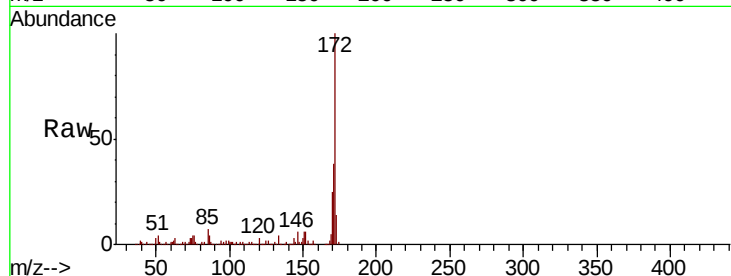




#45
2-Fluorobiphenyl
Concen: 87.432 ng
RT: 13.32 min Scan# 1742
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

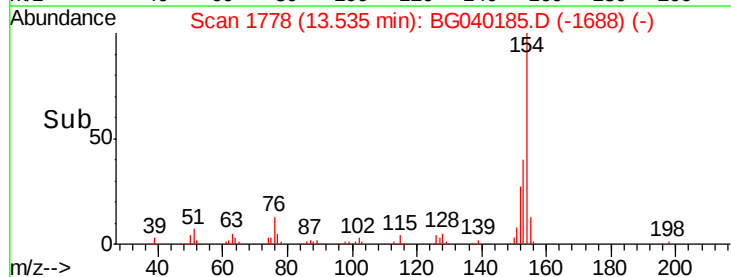
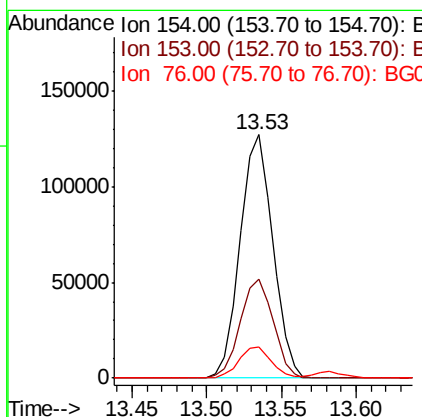
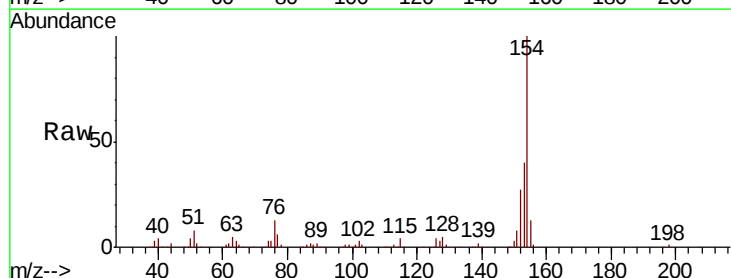
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

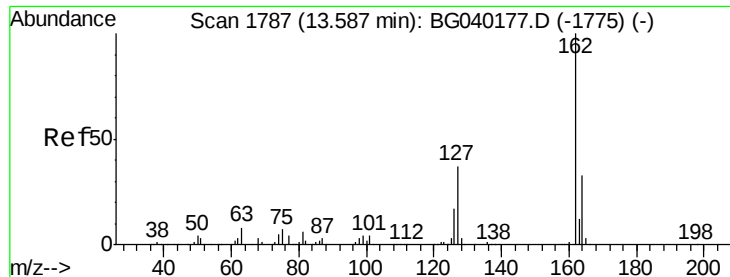
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.5	45.7
170	25.3	20.1	30.1



#46
1,1'-Biphenyl
Concen: 17.678 ng
RT: 13.53 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	22.5	62.5
76	12.8	0.0	33.7

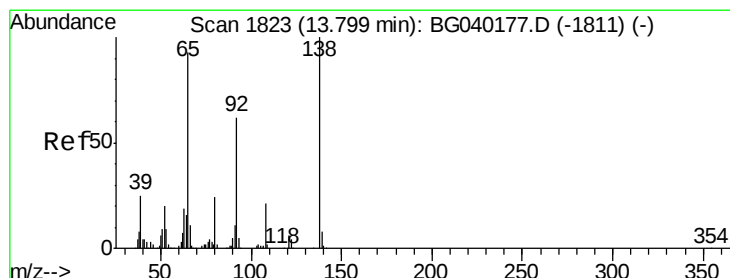
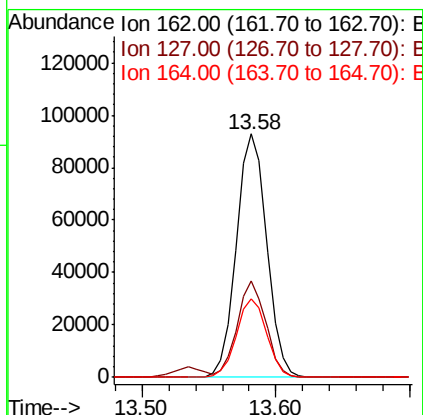
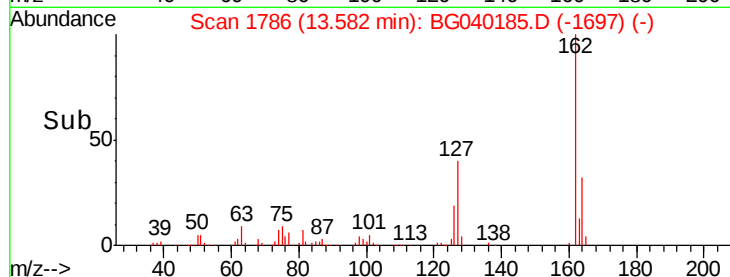
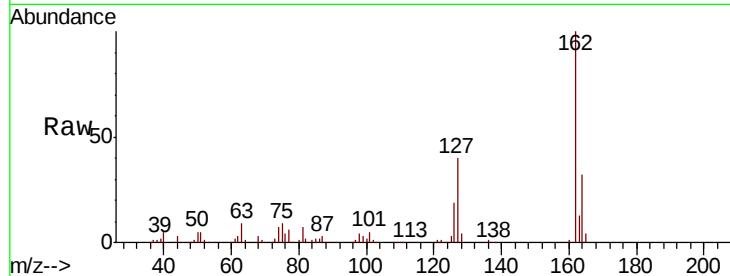




#47
2-Chloronaphthalene
Concen: 17.337 ng
RT: 13.58 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

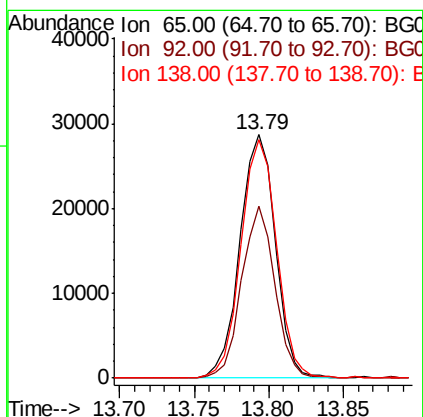
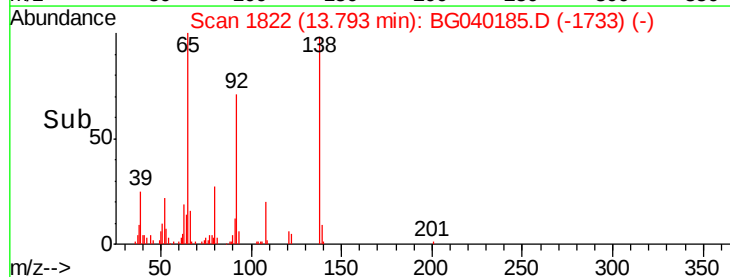
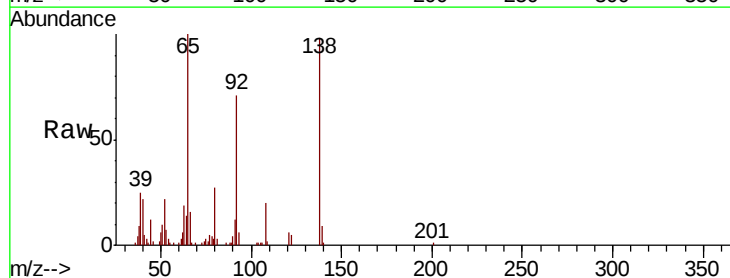
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

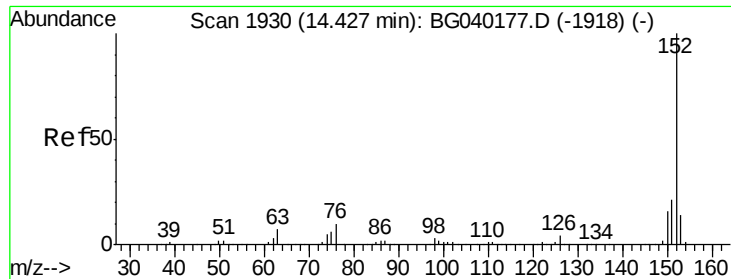
Tgt Ion: 162 Resp: 145544
Ion Ratio Lower Upper
162 100
127 39.8 30.6 45.8
164 32.2 26.2 39.4



#48
2-Nitroaniline
Concen: 16.637 ng
RT: 13.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion: 65 Resp: 47109
Ion Ratio Lower Upper
65 100
92 70.8 53.8 80.6
138 98.1 86.3 129.5





#49

Acenaphthylene

Concen: 18.154 ng

RT: 14.43 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

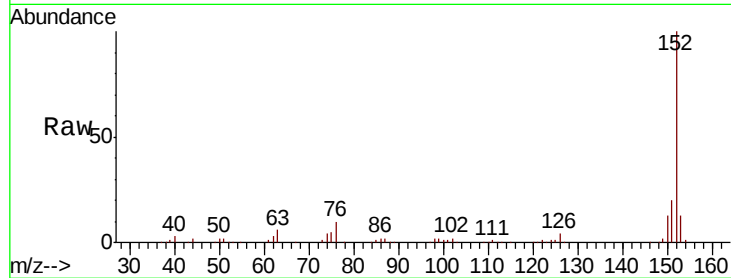
Tgt Ion:152 Resp: 258384

Ion Ratio Lower Upper

152 100

151 20.3 17.0 25.6

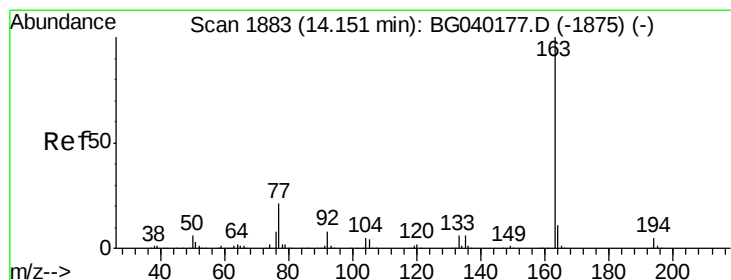
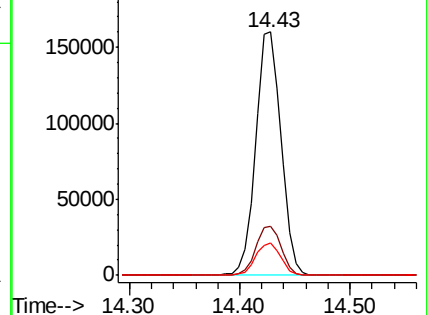
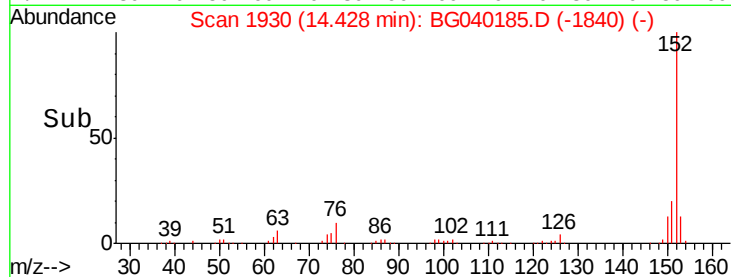
153 13.3 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 17.967 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

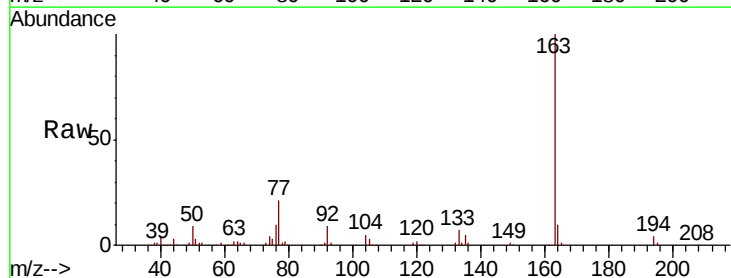
Tgt Ion:163 Resp: 194763

Ion Ratio Lower Upper

163 100

194 4.5 4.1 6.1

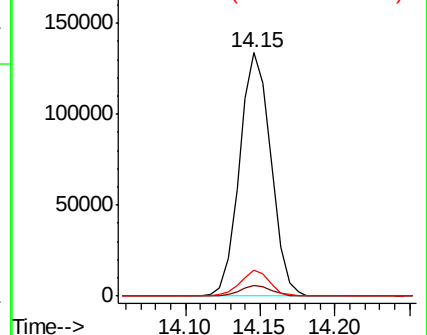
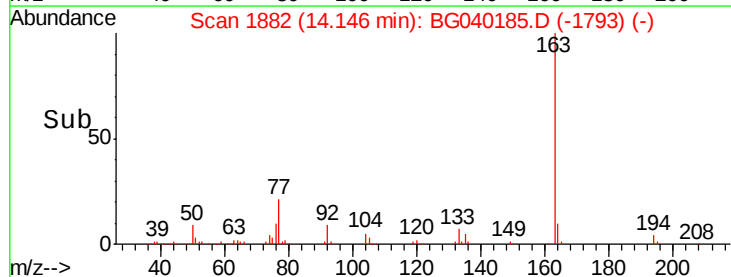
164 10.4 8.6 13.0

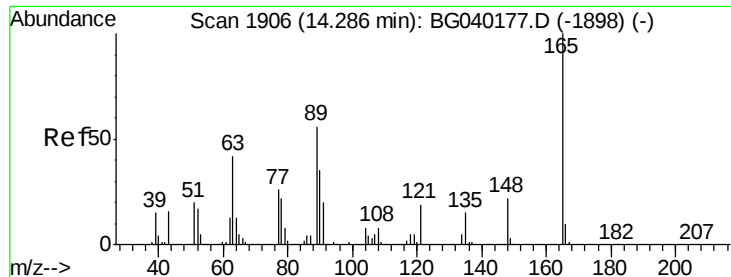


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

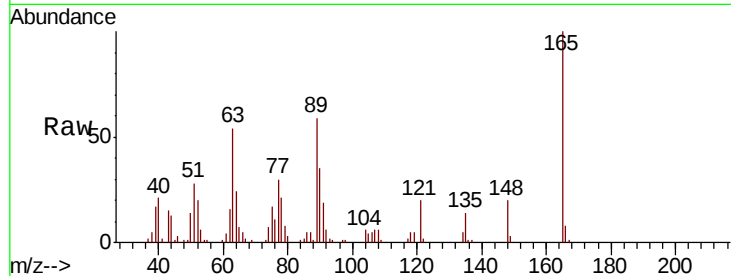




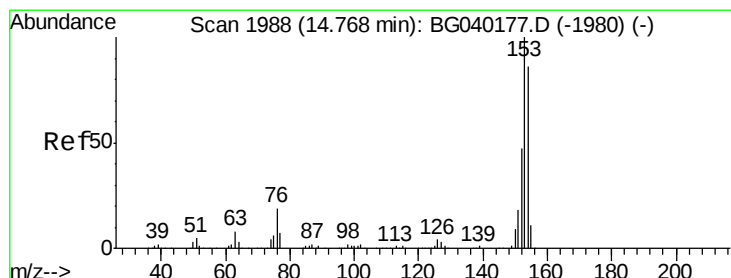
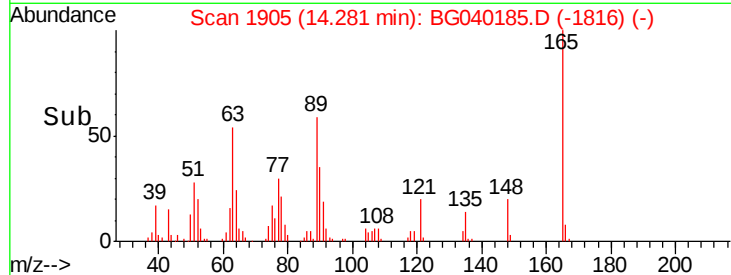
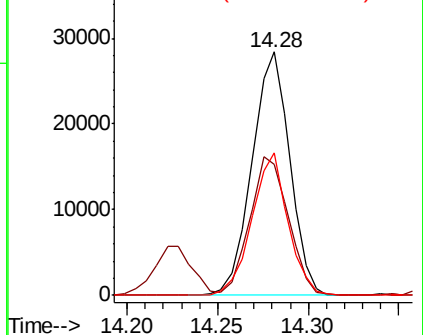
#51
 2,6-Dinitrotoluene
 Concen: 16.898 ng
 RT: 14.28 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:165 Resp: 41131
 Ion Ratio Lower Upper
 165 100
 63 54.0 44.1 66.1
 89 58.6 44.9 67.3

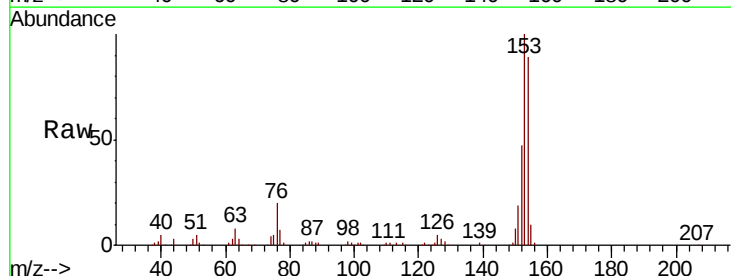


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

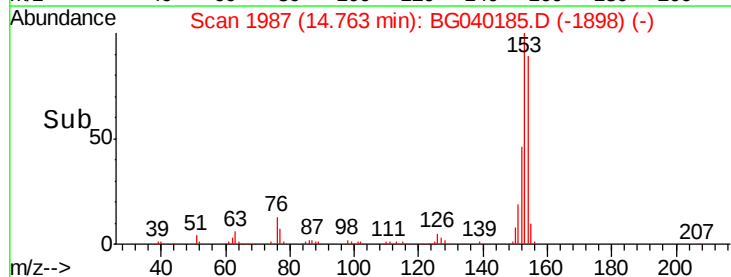
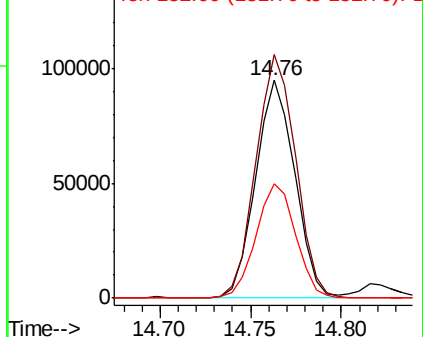


#52
 Acenaphthene
 Concen: 17.424 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:154 Resp: 142109
 Ion Ratio Lower Upper
 154 100
 153 112.0 92.8 139.2
 152 52.4 43.4 65.2



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

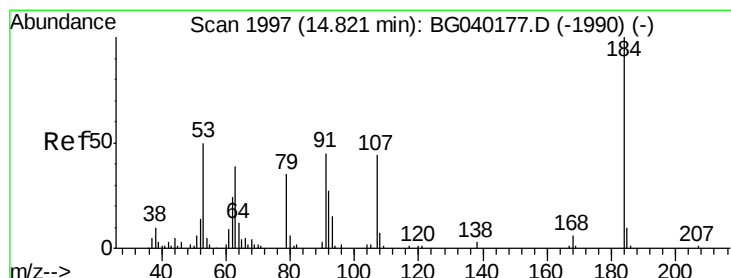
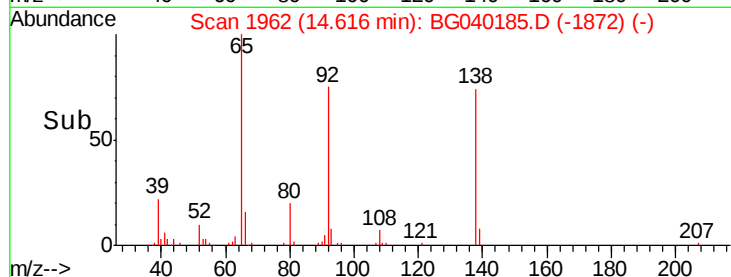
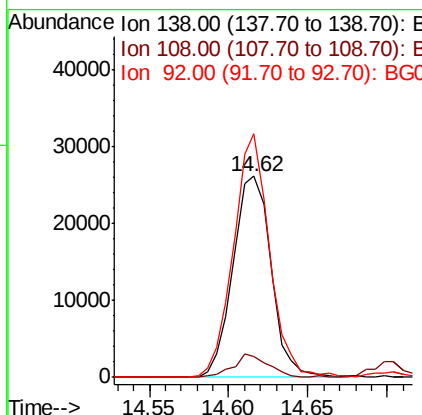
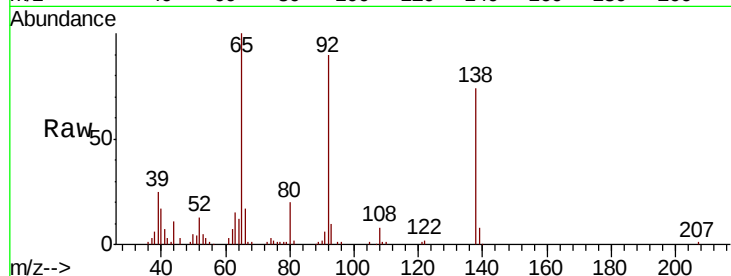




#53
3-Nitroaniline
Concen: 16.944 ng
RT: 14.62 min Scan# 1962
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

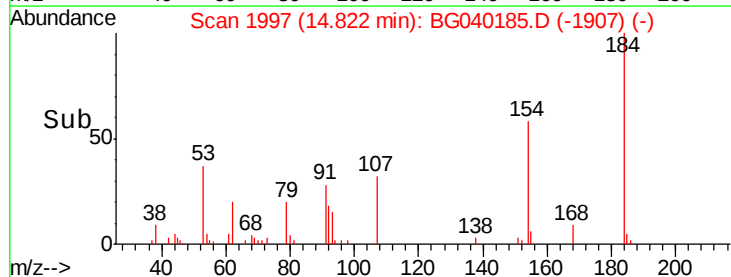
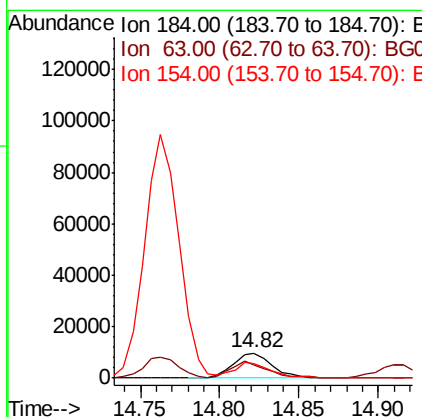
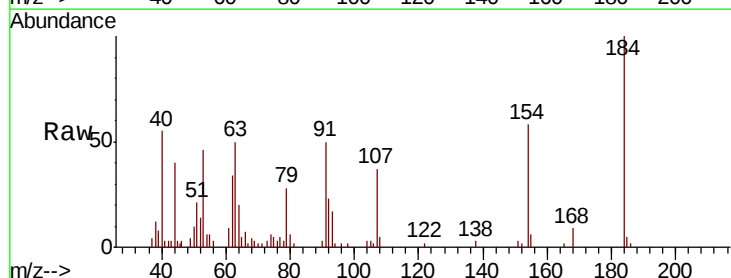
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

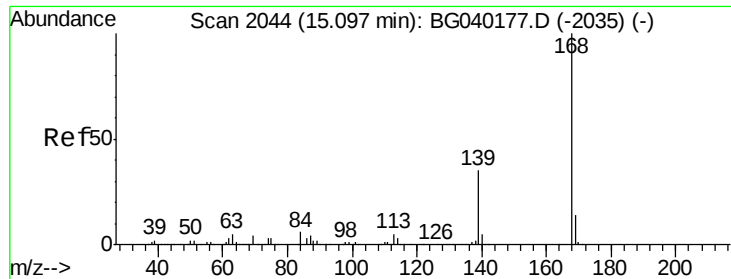
Tgt Ion:138 Resp: 43656
Ion Ratio Lower Upper
138 100
108 10.7 7.8 11.8
92 121.0 87.5 131.3



#54
2,4-Dinitrophenol
Concen: 13.073 ng
RT: 14.82 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:184 Resp: 16923
Ion Ratio Lower Upper
184 100
63 49.9 51.8 77.8#
154 57.6 50.9 76.3

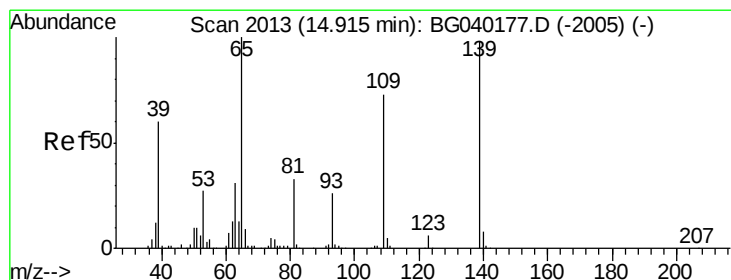
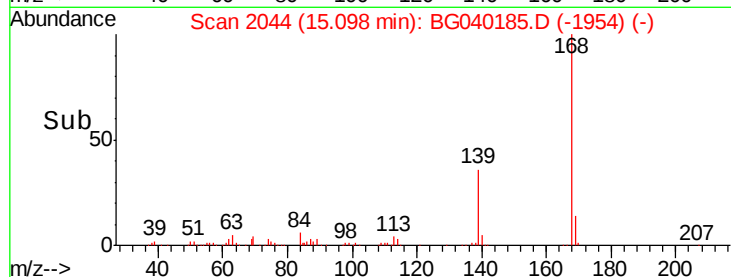
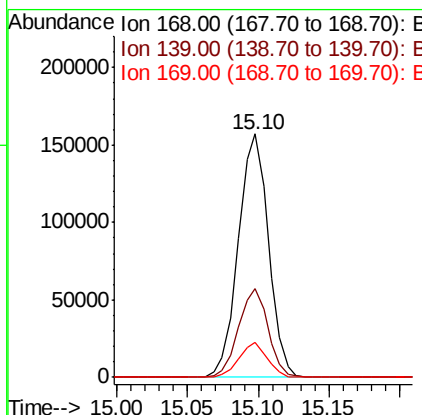
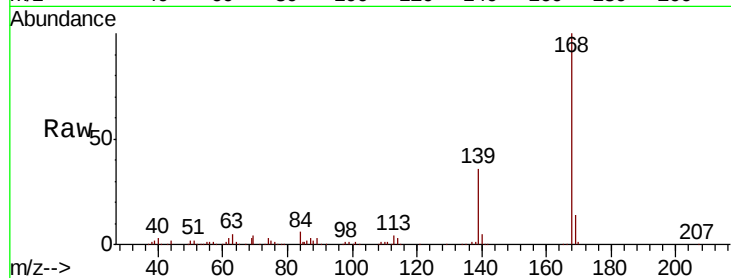




#55
Dibenzenofuran
Concen: 17.864 ng
RT: 15.10 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

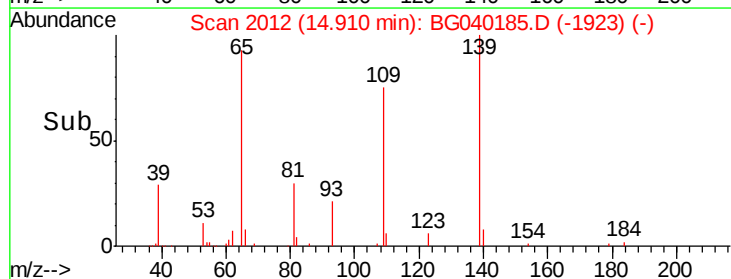
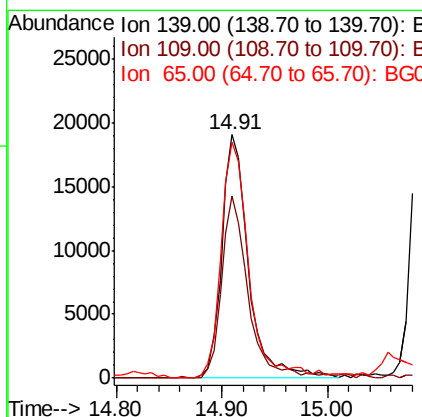
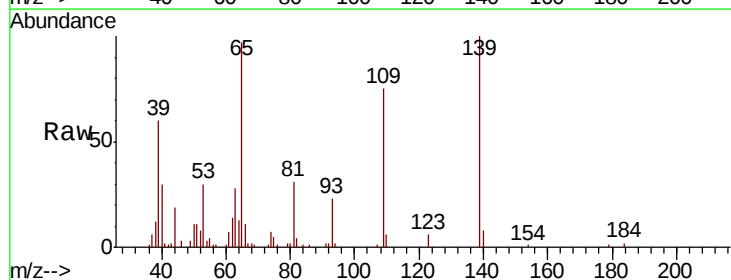
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

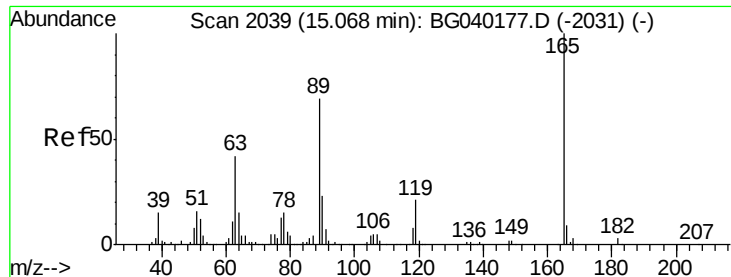
Tgt Ion:168 Resp: 234107
Ion Ratio Lower Upper
168 100
139 36.4 27.9 41.9
169 14.2 11.3 16.9



#56
4-Nitrophenol
Concen: 16.049 ng
RT: 14.91 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:139 Resp: 33374
Ion Ratio Lower Upper
139 100
109 74.7 54.3 94.3
65 97.0 82.5 122.5

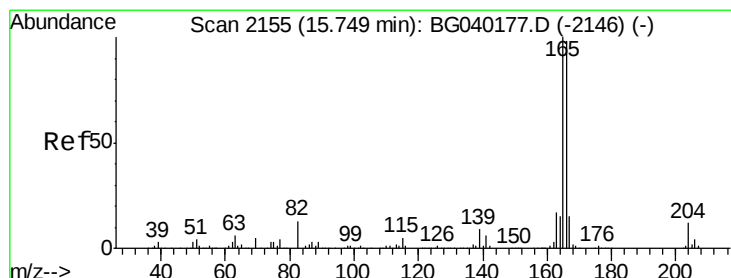
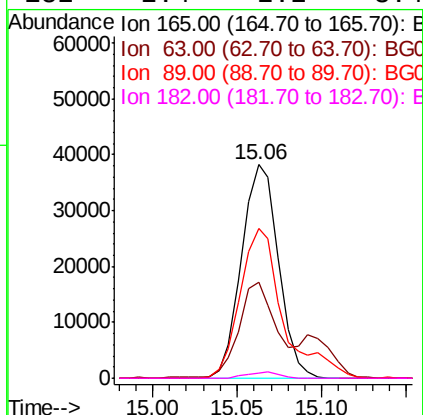
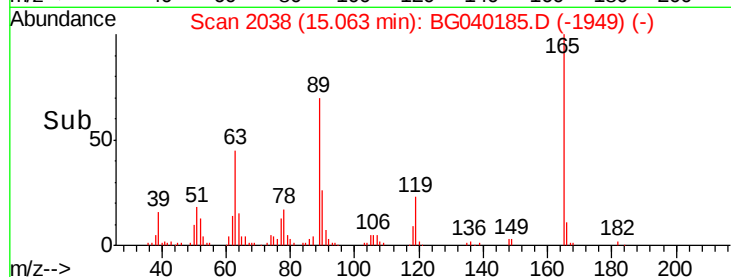
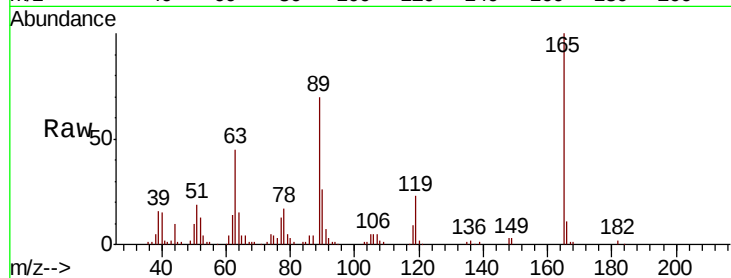




#57
2,4-Dinitrotoluene
Concen: 17.224 ng
RT: 15.06 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

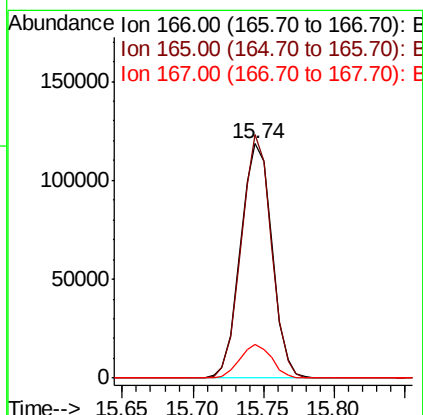
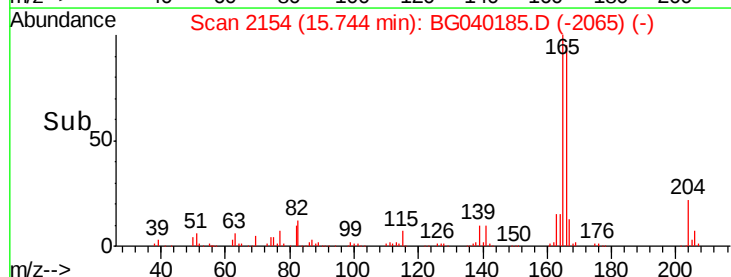
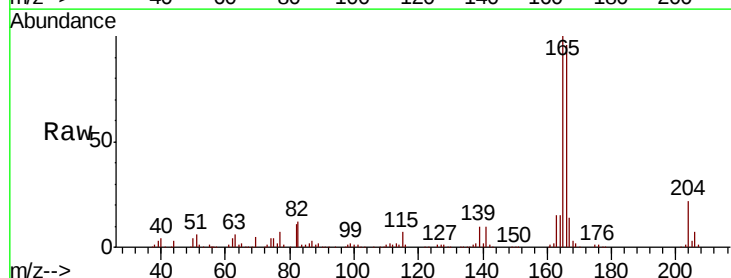
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

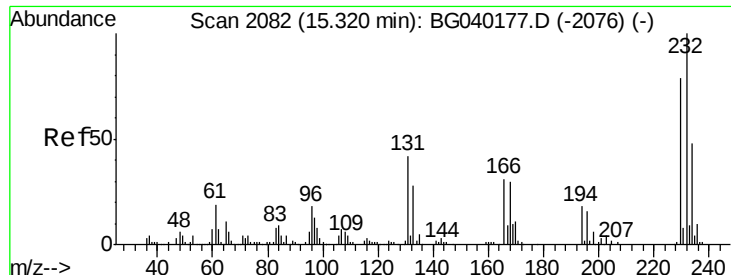
Tgt Ion:165 Resp: 58254
Ion Ratio Lower Upper
165 100
63 45.2 33.8 50.6
89 69.9 55.4 83.2
182 2.4 2.2 3.4



#58
Fluorene
Concen: 17.907 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:166 Resp: 184508
Ion Ratio Lower Upper
166 100
165 103.9 81.7 122.5
167 14.5 11.9 17.9

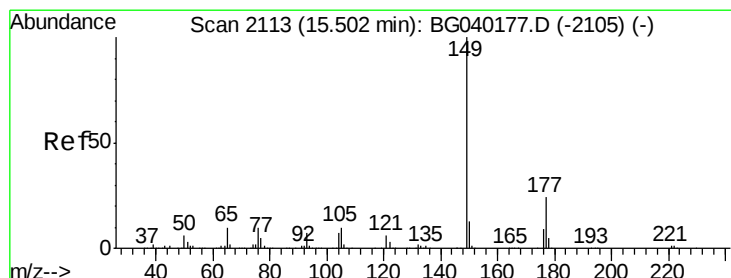
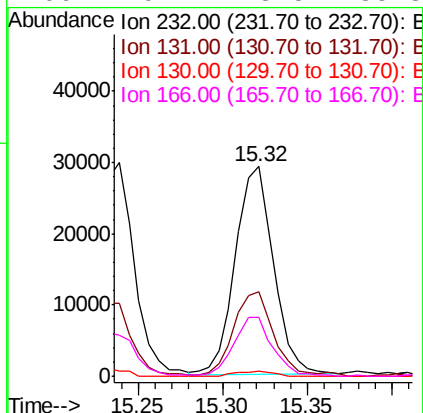
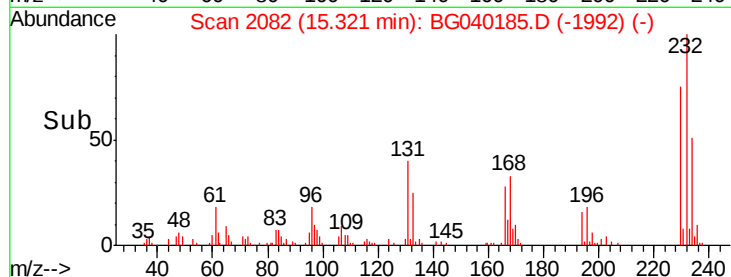
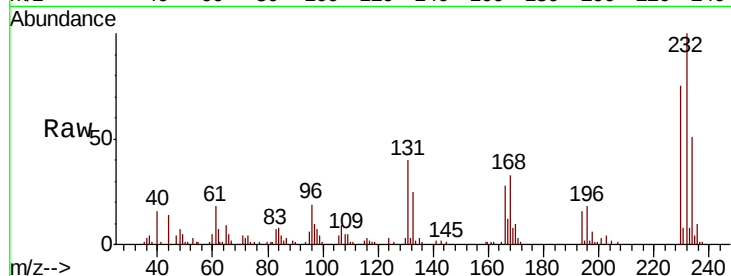




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 16.245 ng
 RT: 15.32 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

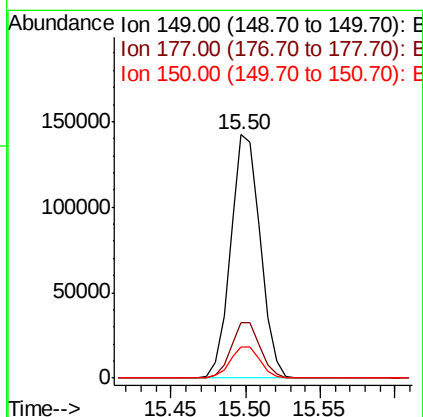
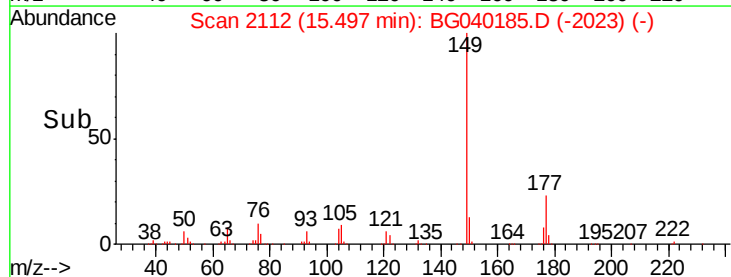
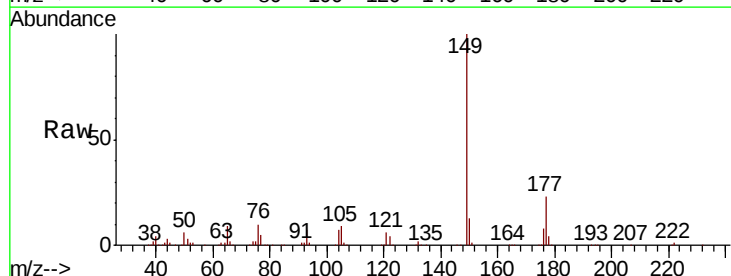
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

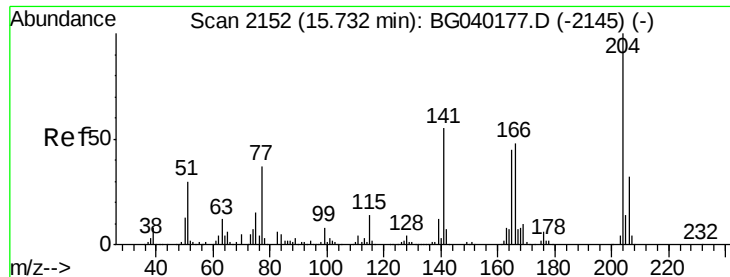
Tgt Ion:	232	Resp:	45606
Ion	Ratio	Lower	Upper
232	100		
131	43.2	32.9	49.3
130	2.4	1.8	2.8
166	29.4	23.5	35.3



#60
 Diethylphthalate
 Concen: 17.790 ng
 RT: 15.50 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:	149	Resp:	197339
Ion	Ratio	Lower	Upper
149	100		
177	23.0	19.1	28.7
150	12.6	10.6	15.8

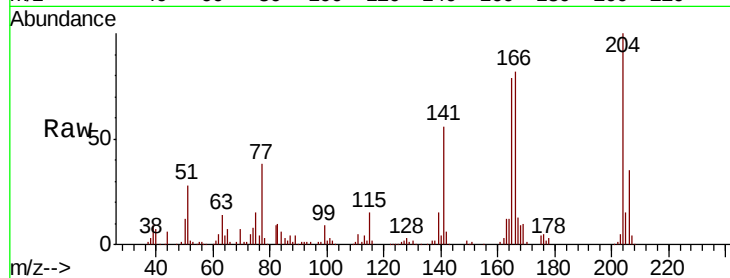




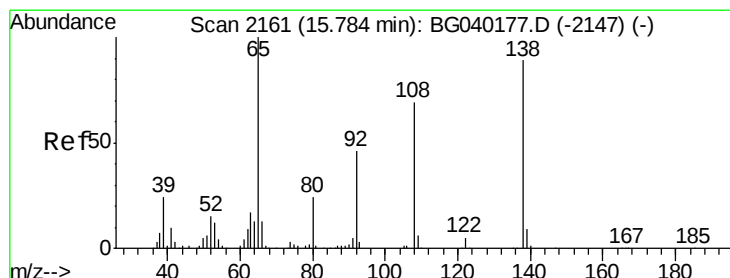
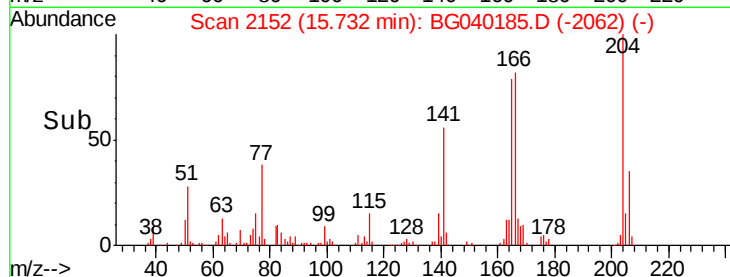
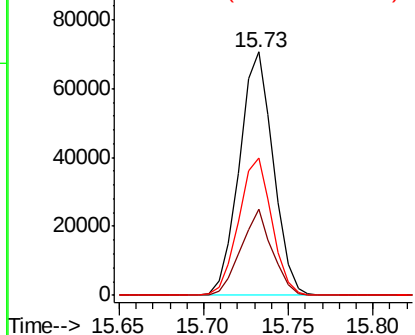
#61
 4-Chlorophenyl-phenylether
 Concen: 17.877 ng
 RT: 15.73 min Scan# 2152
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 204 Resp: 98461
 Ion Ratio Lower Upper
 204 100
 206 35.4 25.7 38.5
 141 56.5 44.0 66.0

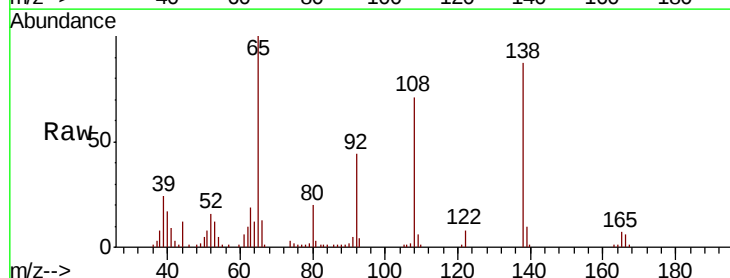


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

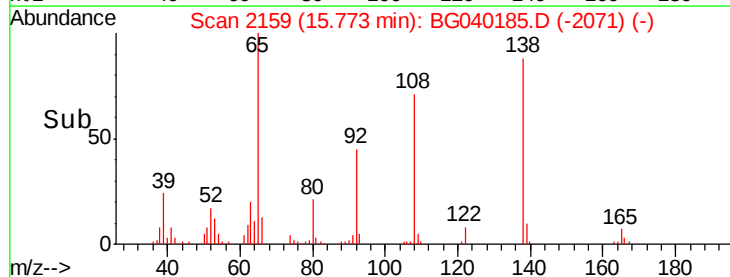
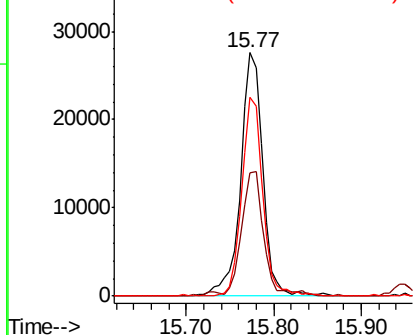


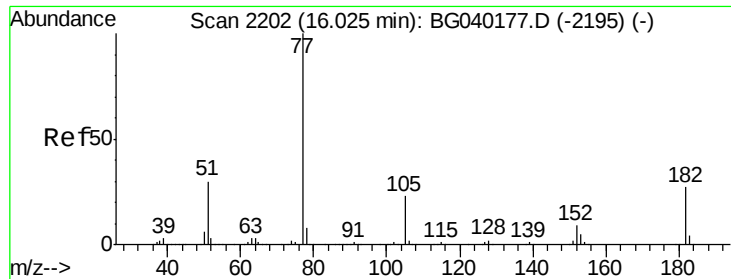
#62
 4-Nitroaniline
 Concen: 16.878 ng
 RT: 15.77 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion: 138 Resp: 46668
 Ion Ratio Lower Upper
 138 100
 92 50.7 31.8 71.8
 108 81.6 57.2 97.2



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





#63

Azobenzene

Concen: 17.654 ng

RT: 16.03 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 77 Resp: 184719

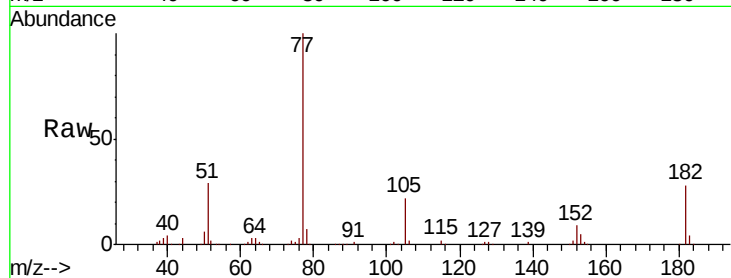
Ion Ratio Lower Upper

77 100

182 28.4 7.2 47.2

105 21.7 2.8 42.8

51 29.5 10.4 50.4

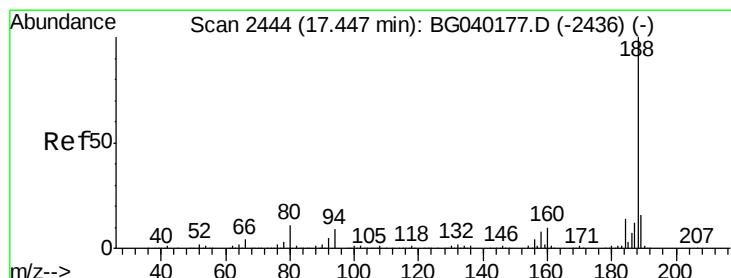
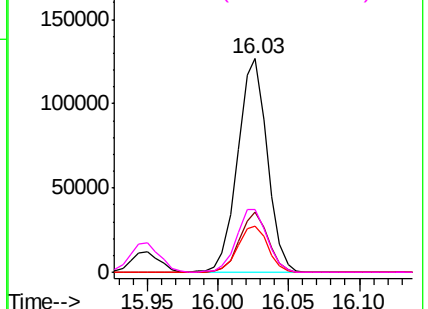
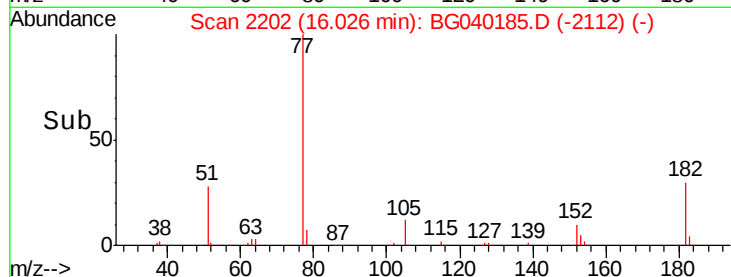


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

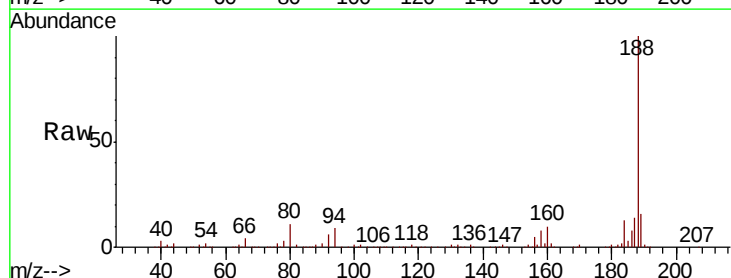
Tgt Ion: 188 Resp: 323281

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

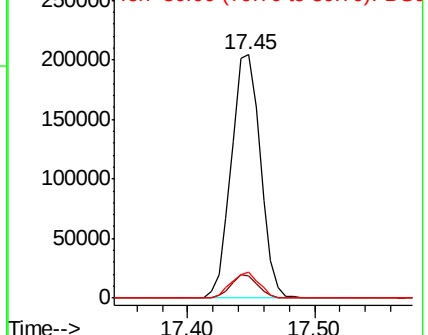
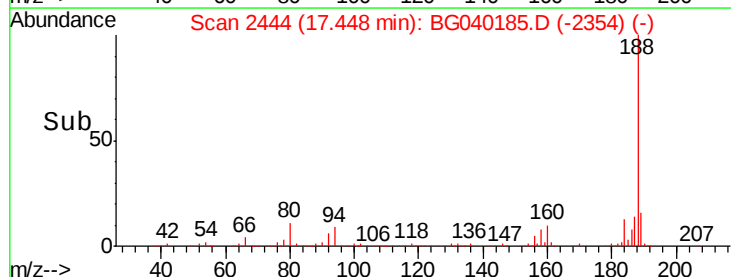
80 10.6 8.6 13.0

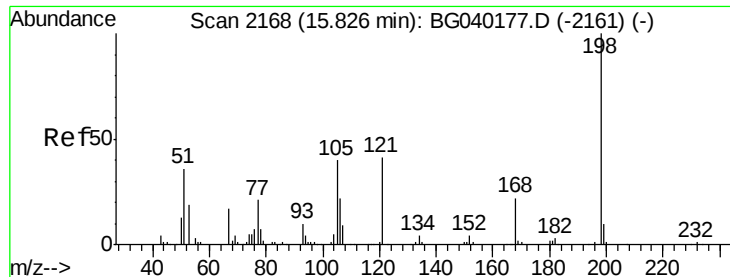


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

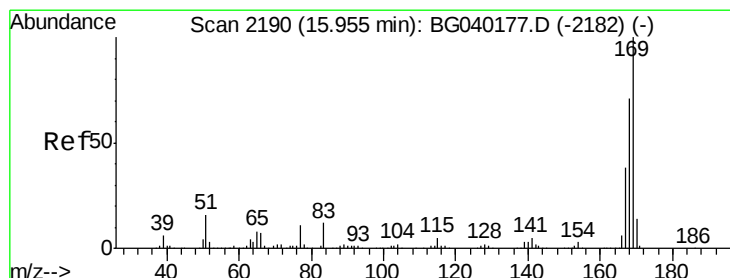
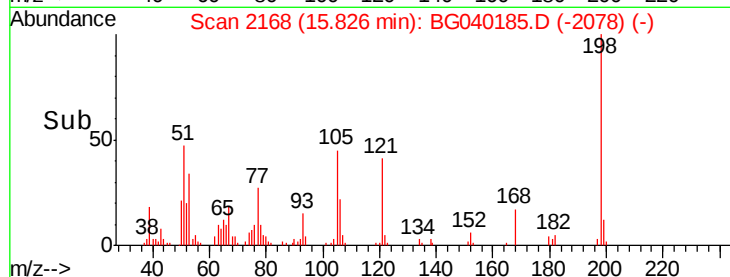
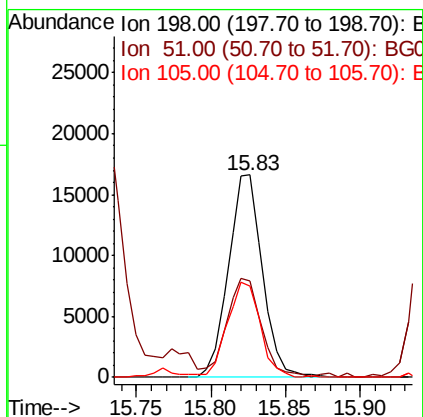
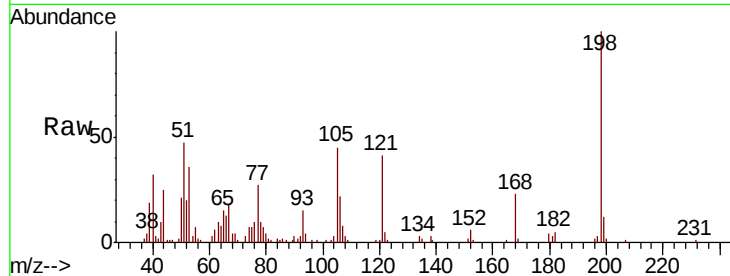




#65
 4,6-Dinitro-2-methylphenol
 Concen: 14.585 ng
 RT: 15.83 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

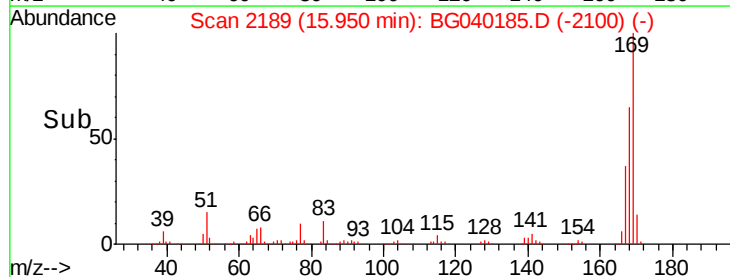
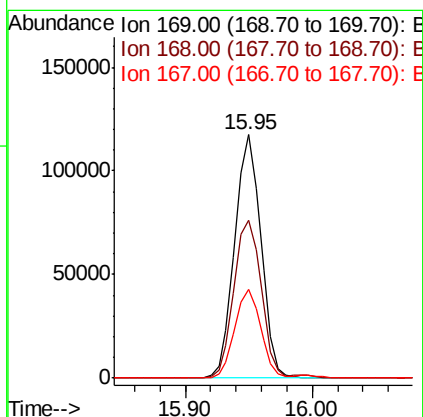
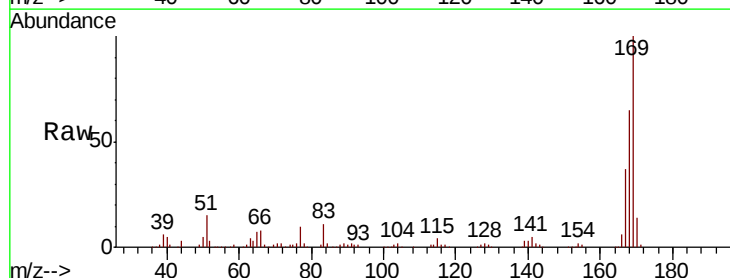
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:198 Resp: 26490
 Ion Ratio Lower Upper
 198 100
 51 47.5 27.3 67.3
 105 44.9 21.7 61.7



#66
 n-Nitrosodiphenylamine
 Concen: 17.772 ng
 RT: 15.95 min Scan# 2189
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:169 Resp: 168123
 Ion Ratio Lower Upper
 169 100
 168 64.7 56.8 85.2
 167 36.7 30.2 45.4

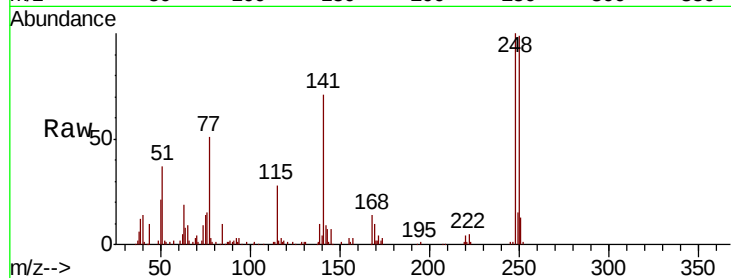




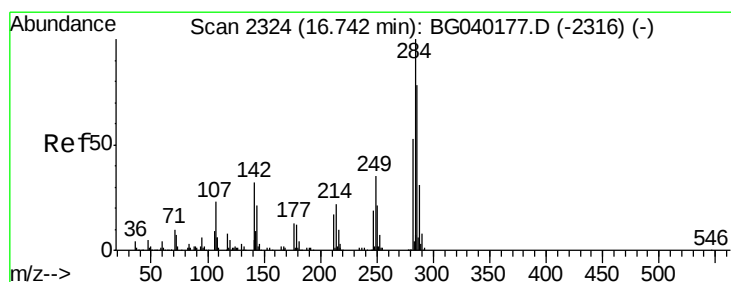
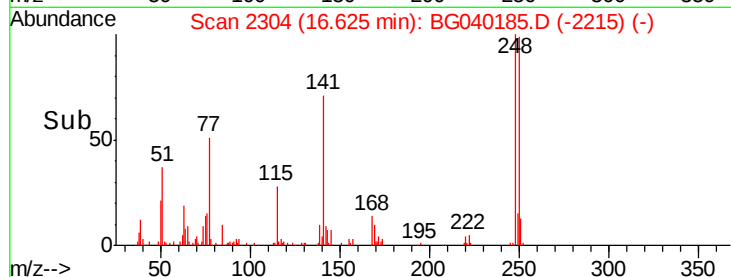
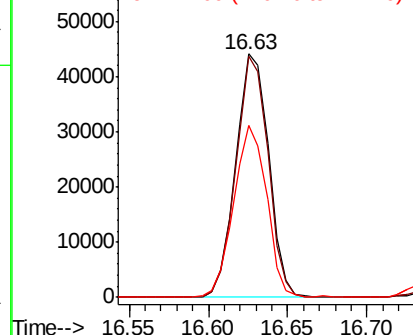
#67
4-Bromophenyl-phenylether
Concen: 17.464 ng
RT: 16.63 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:248 Resp: 63534
Ion Ratio Lower Upper
248 100
250 99.2 76.4 114.6
141 70.8 53.8 80.8

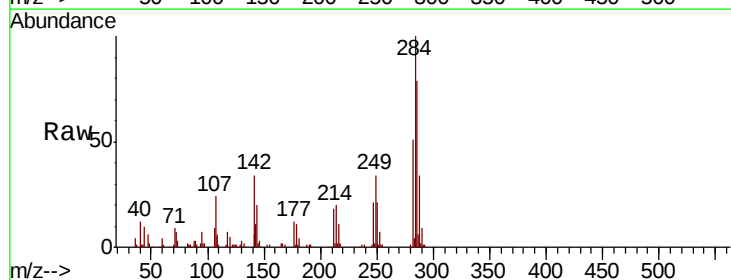


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

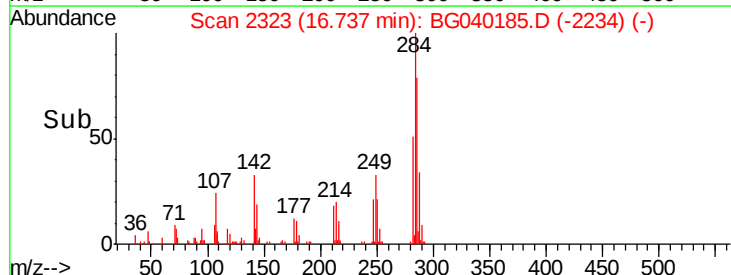
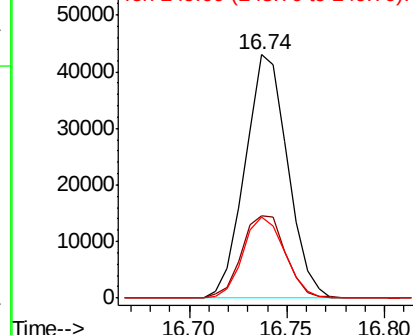


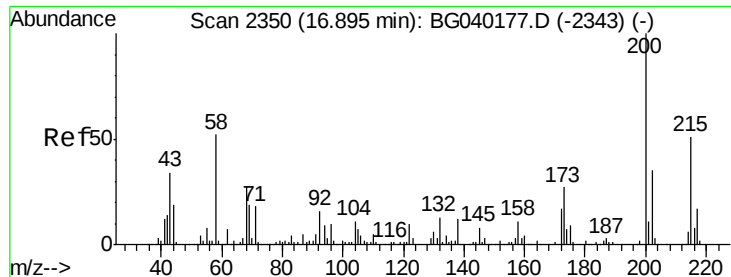
#68
Hexachlorobenzene
Concen: 17.725 ng
RT: 16.74 min Scan# 2323
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:284 Resp: 64835
Ion Ratio Lower Upper
284 100
142 33.6 25.3 37.9
249 33.5 28.2 42.2



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

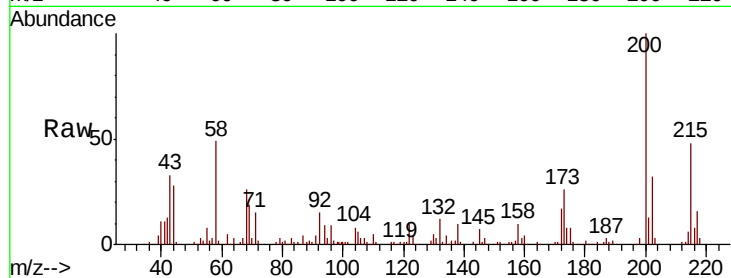




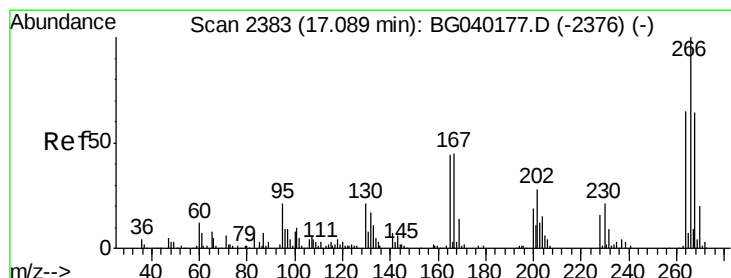
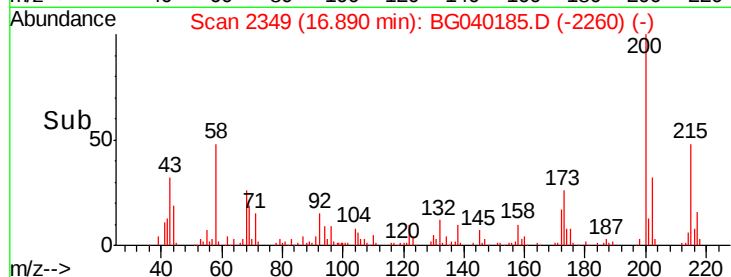
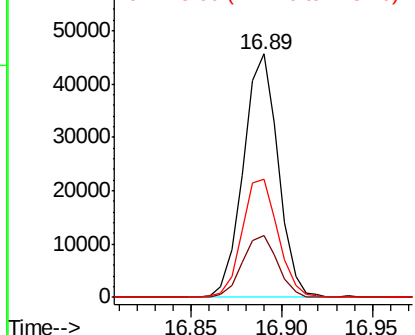
#69
 Atrazine
 Concen: 17.260 ng
 RT: 16.89 min Scan# 2349
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:200 Resp: 60741
 Ion Ratio Lower Upper
 200 100
 173 25.6 7.1 47.1
 215 48.4 30.9 70.9

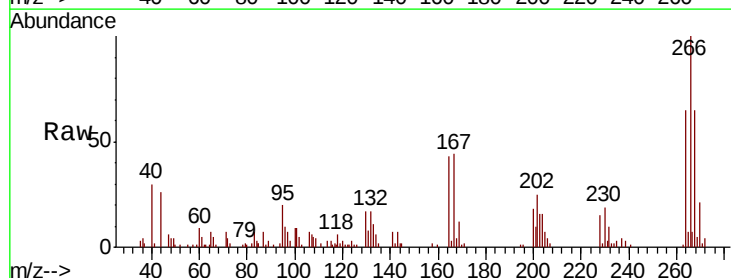


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

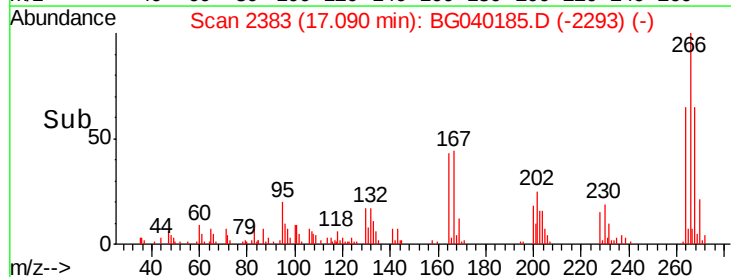
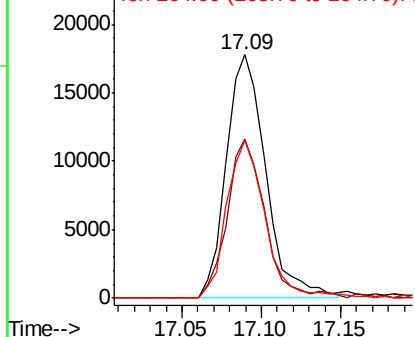


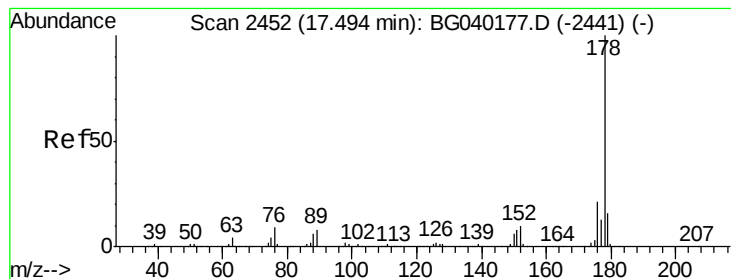
#70
 Pentachlorophenol
 Concen: 14.513 ng
 RT: 17.09 min Scan# 2383
 Delta R.T. 0.00 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:266 Resp: 30691
 Ion Ratio Lower Upper
 266 100
 268 65.5 55.0 82.4
 264 64.8 51.8 77.8



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: 18.151 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

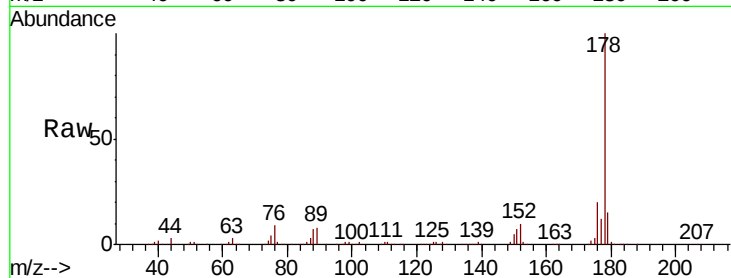
Tgt Ion:178 Resp: 308432

Ion Ratio Lower Upper

178 100

176 19.9 16.7 25.1

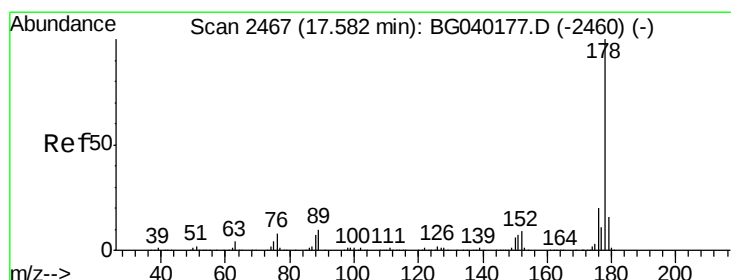
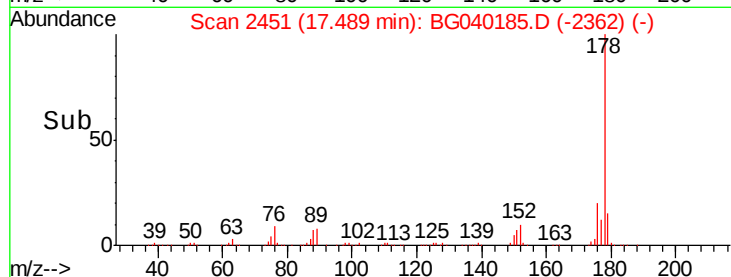
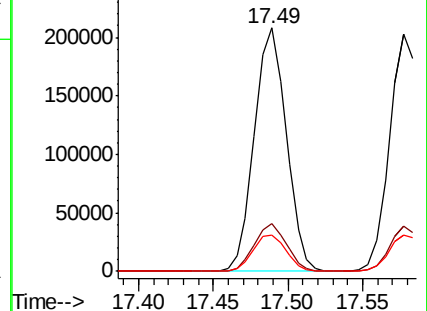
179 15.0 12.8 19.2



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: 18.036 ng

RT: 17.58 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

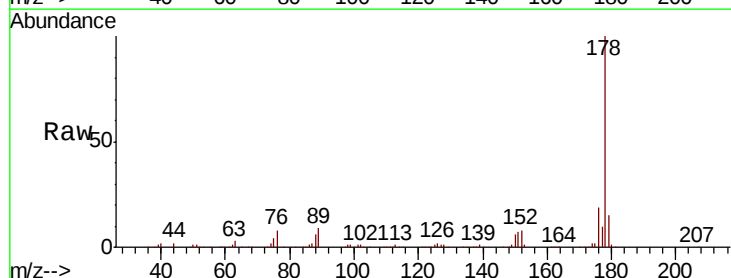
Tgt Ion:178 Resp: 306757

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

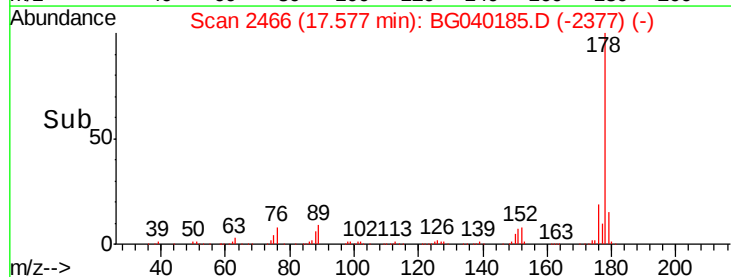
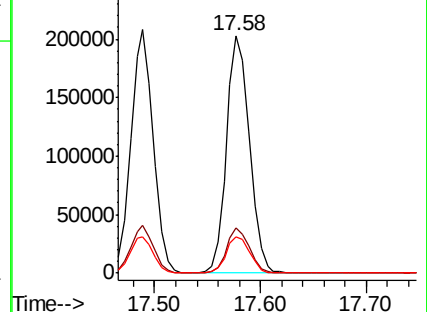
179 15.4 12.9 19.3

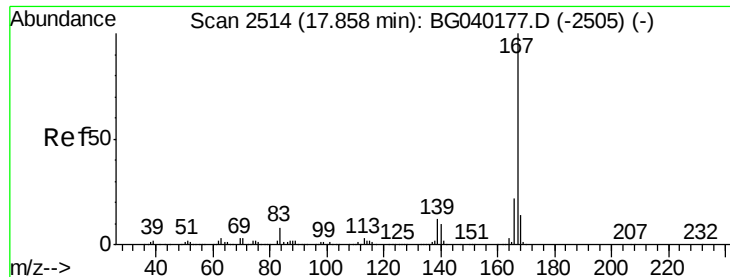


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

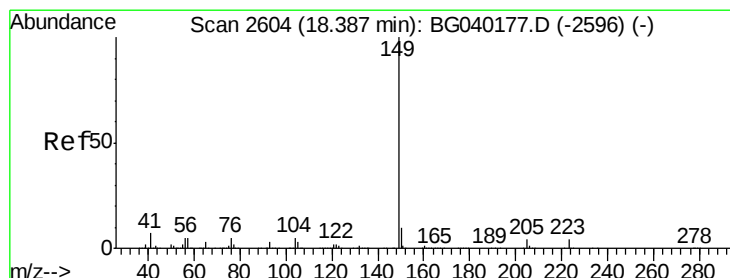
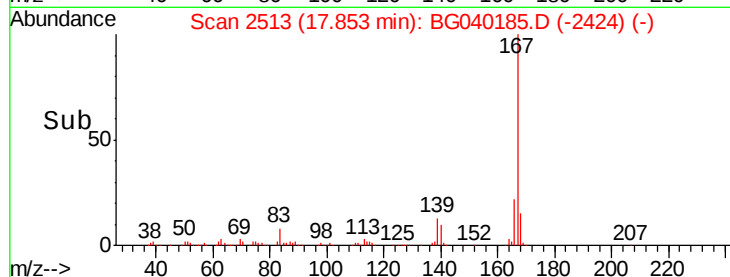
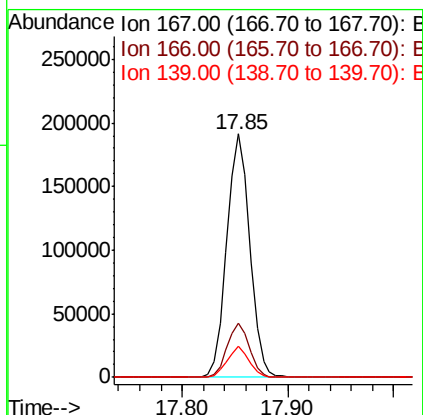
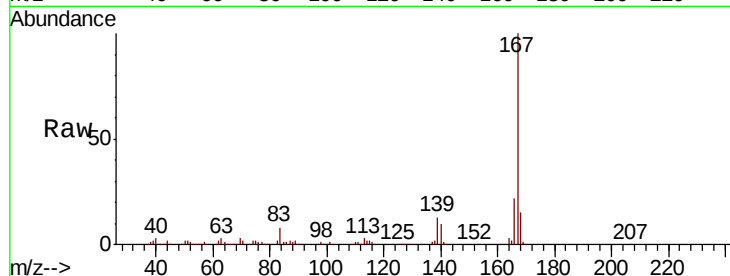




#73
 Carbazole
 Concen: 17.888 ng
 RT: 17.85 min Scan# 2513
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

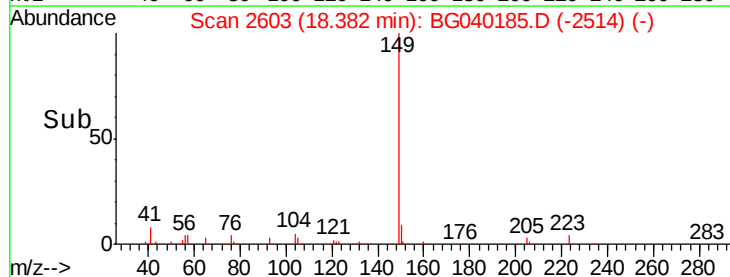
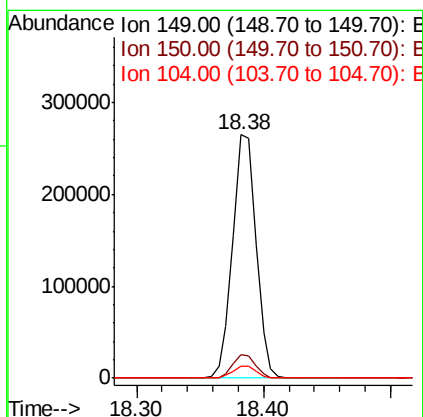
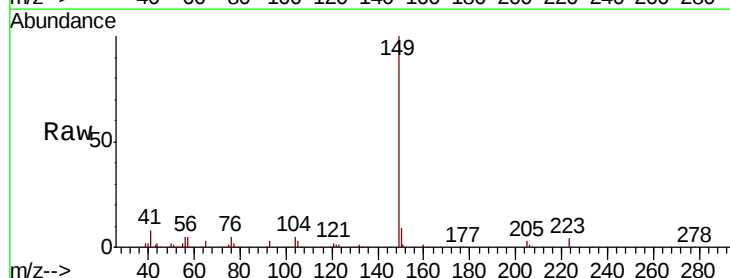
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

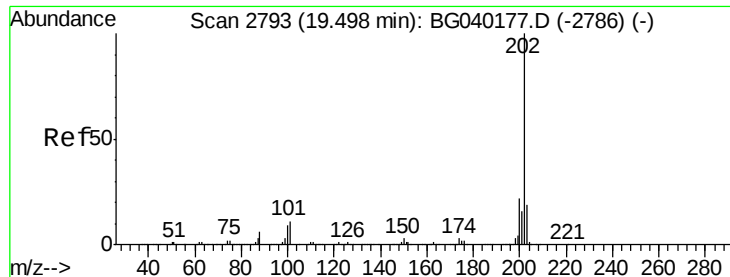
Tgt Ion:167 Resp: 287928
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.5 26.3
 139 12.6 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 17.721 ng
 RT: 18.38 min Scan# 2603
 Delta R.T. -0.01 min
 Lab File: BG040185.D
 Acq: 27 Mar 2019 23:45

Tgt Ion:149 Resp: 338116
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.9 11.9
 104 4.9 4.1 6.1





#75

Fluoranthene

Concen: 18.330 ng

RT: 19.49 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

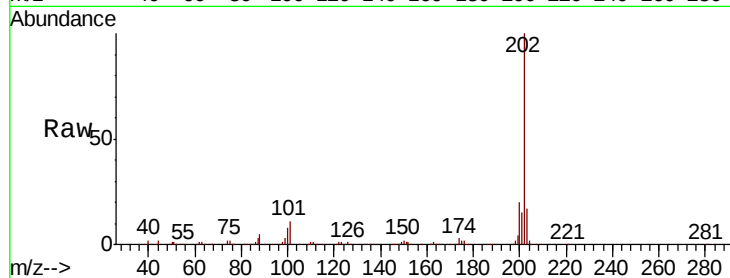
Tgt Ion:202 Resp: 368816

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.8

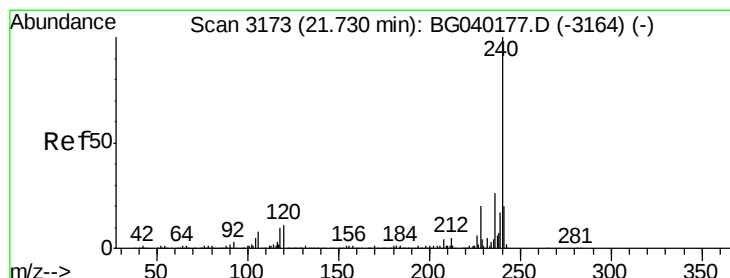
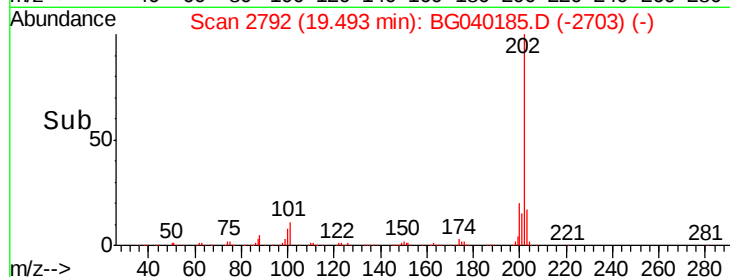
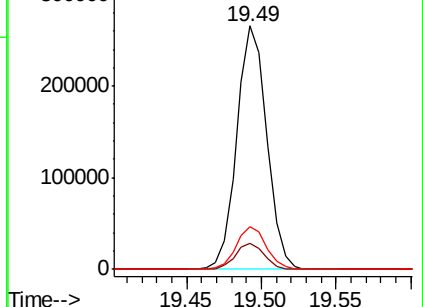
203 17.5 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

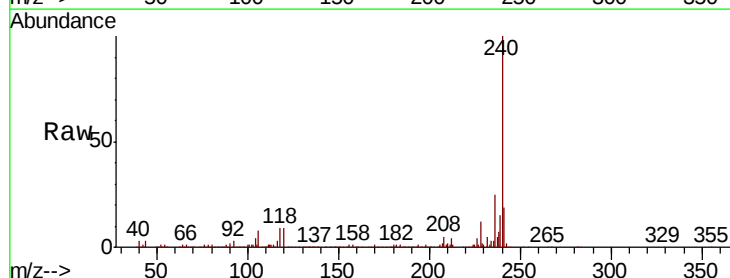
Tgt Ion:240 Resp: 320596

Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

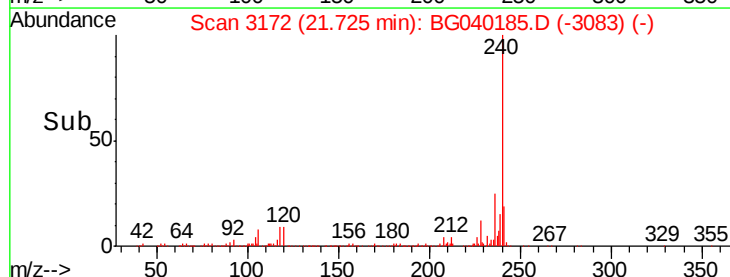
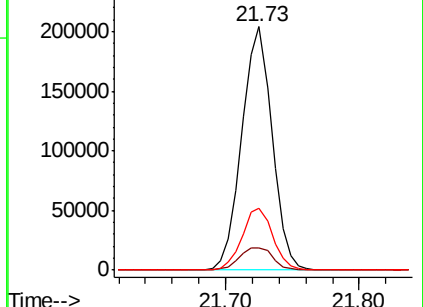
236 25.2 20.8 31.2

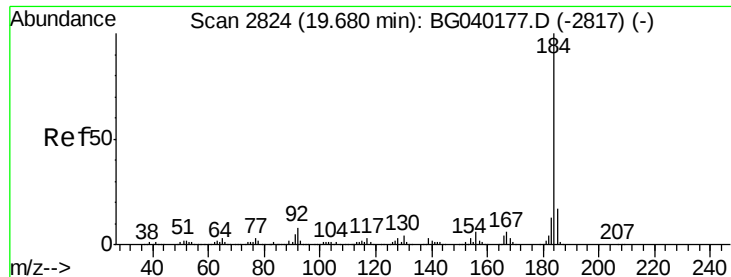


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 14.897 ng

RT: 19.67 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

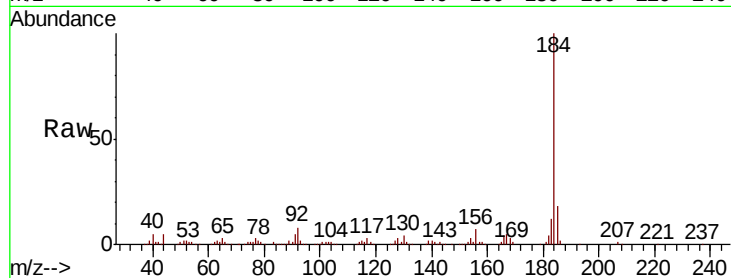
Tgt Ion:184 Resp: 172459

Ion Ratio Lower Upper

184 100

185 18.1 13.3 19.9

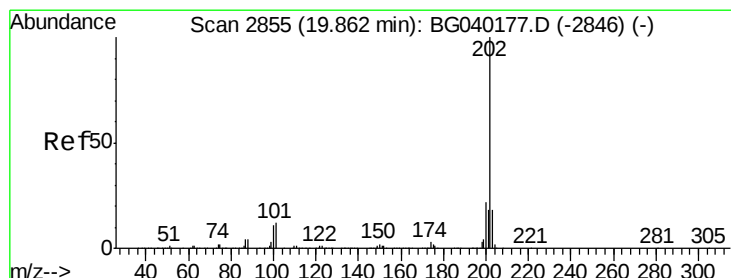
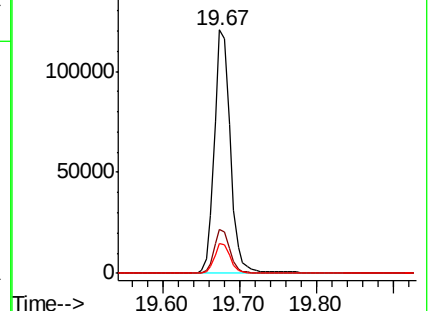
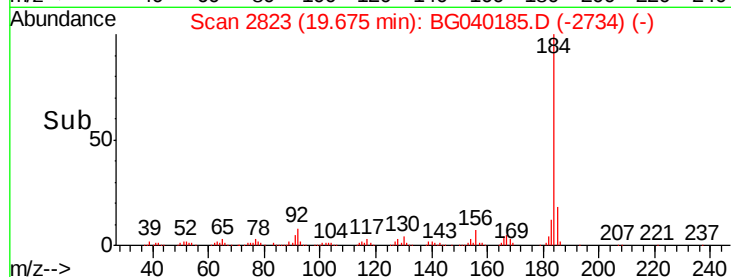
183 12.0 10.3 15.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 18.075 ng

RT: 19.86 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

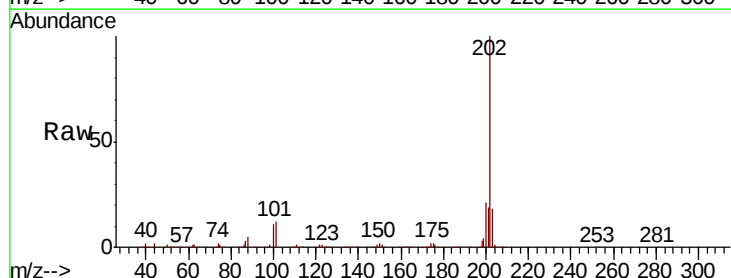
Tgt Ion:202 Resp: 381067

Ion Ratio Lower Upper

202 100

200 20.9 17.3 25.9

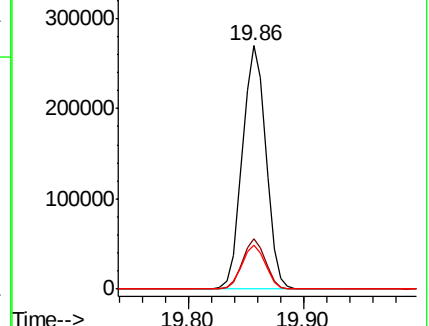
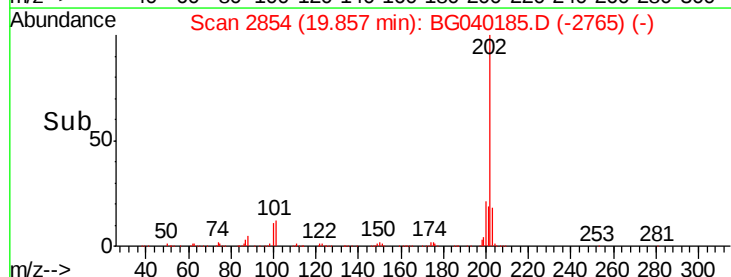
203 17.9 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.538 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

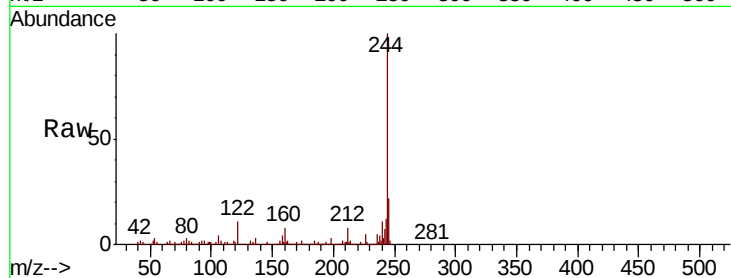
Tgt Ion:244 Resp: 1218997

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

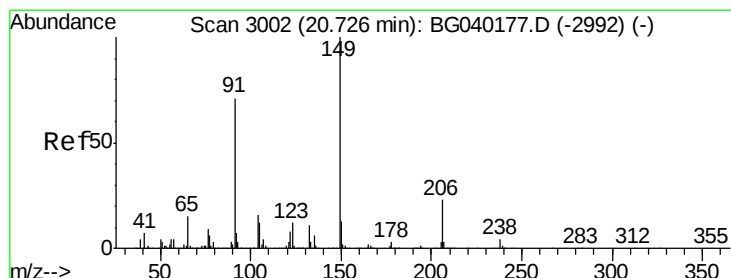
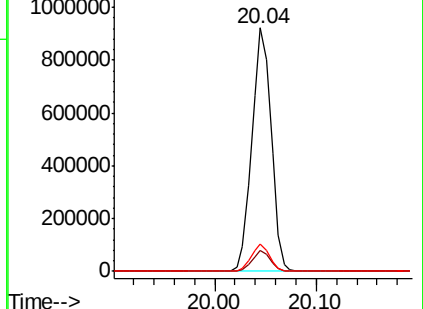
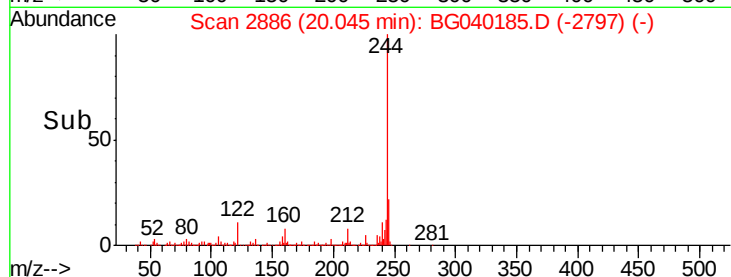
122 11.0 8.5 12.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 16.028 ng

RT: 20.73 min Scan# 3002

Delta R.T. 0.00 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

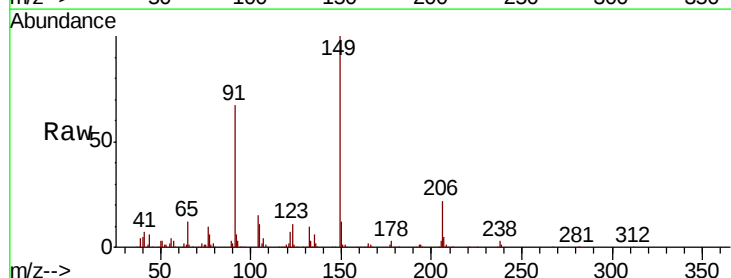
Tgt Ion:149 Resp: 144602

Ion Ratio Lower Upper

149 100

91 66.9 57.0 85.4

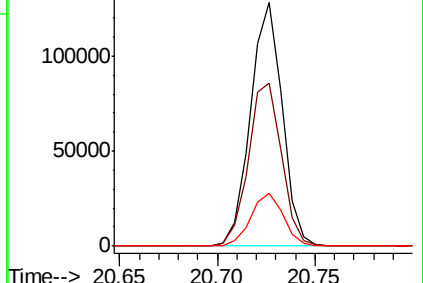
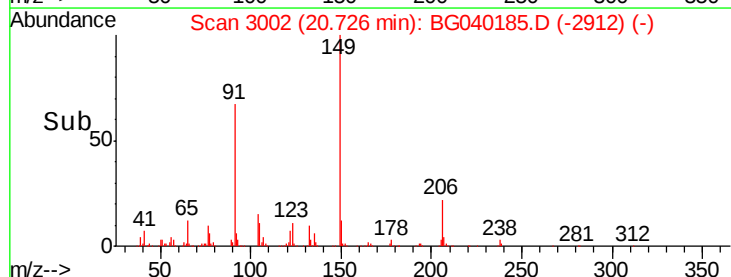
206 21.6 18.2 27.4

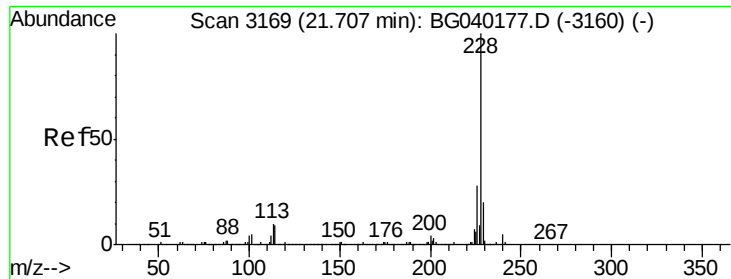


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 17.664 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

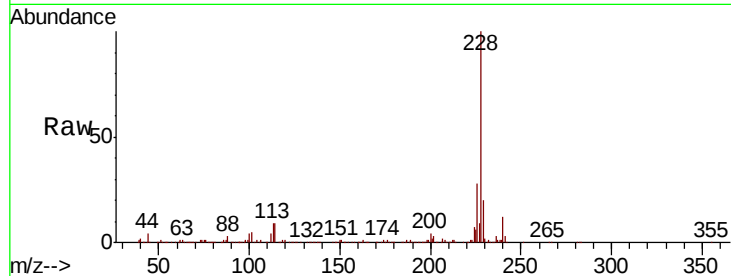
Tgt Ion:228 Resp: 348808

Ion Ratio Lower Upper

228 100

226 27.6 22.6 34.0

229 19.9 16.1 24.1

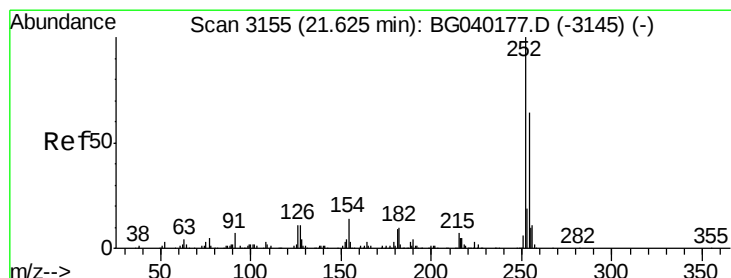
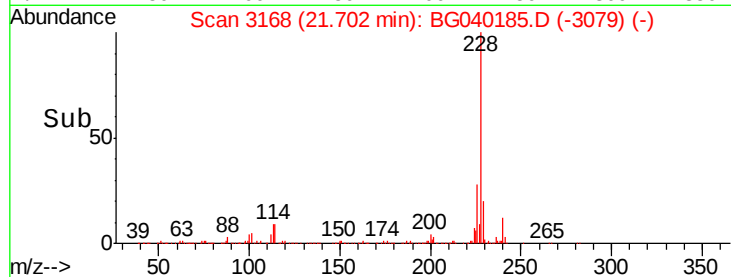
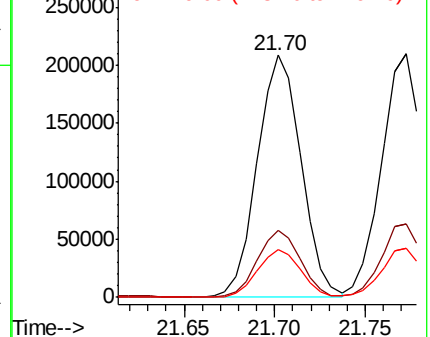


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 16.273 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

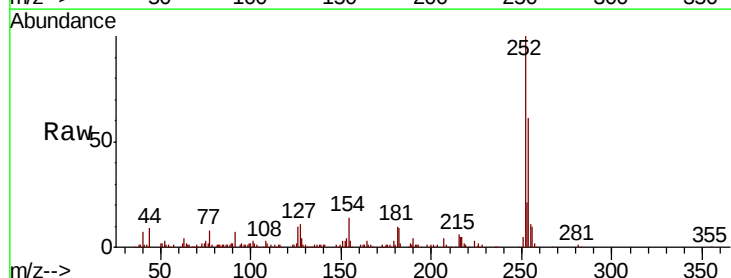
Tgt Ion:252 Resp: 122237

Ion Ratio Lower Upper

252 100

254 61.0 51.4 77.2

126 10.1 8.5 12.7

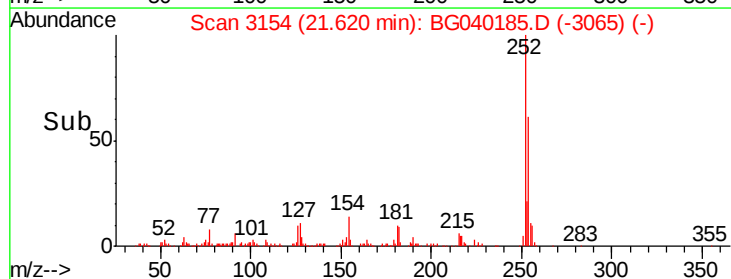
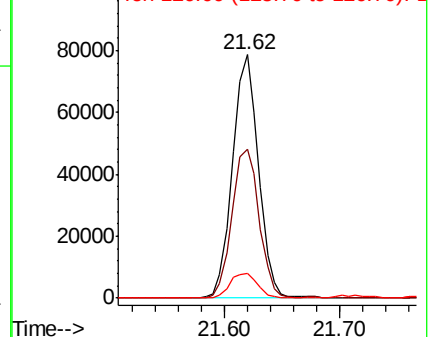


Abundance

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: 17.654 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

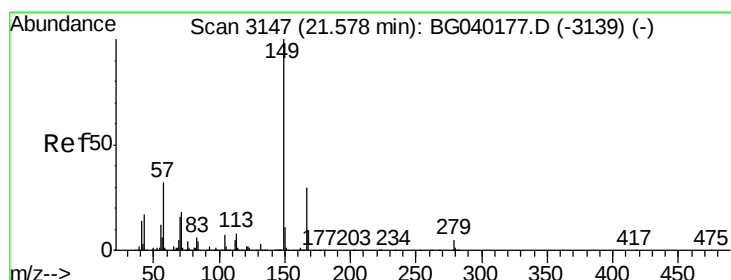
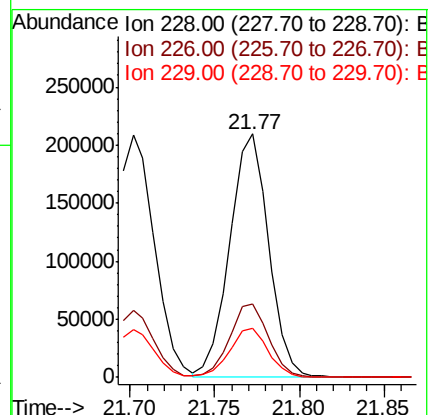
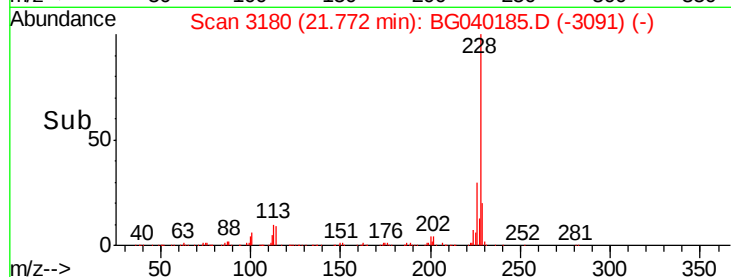
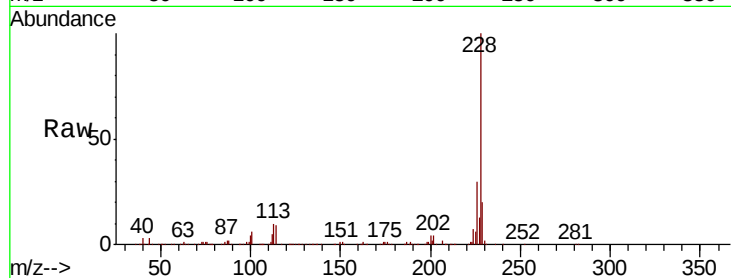
Tgt Ion:228 Resp: 335045

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.0

229 19.9 17.0 25.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 16.178 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

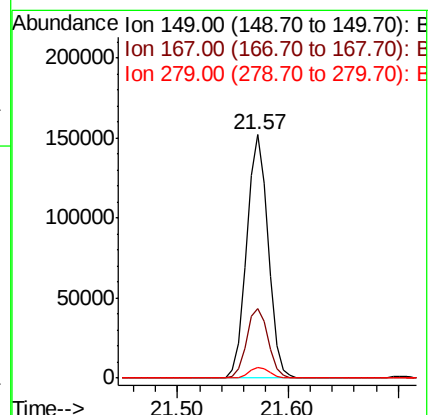
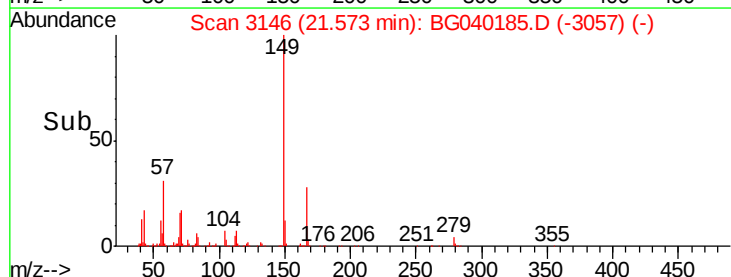
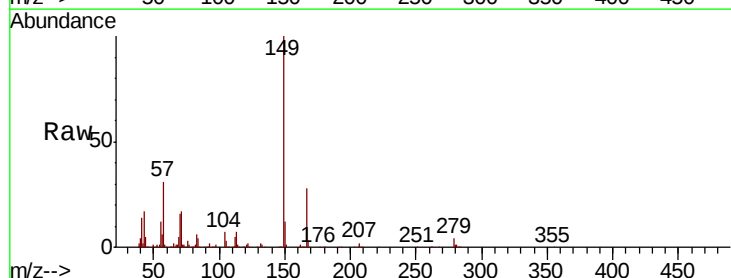
Tgt Ion:149 Resp: 208628

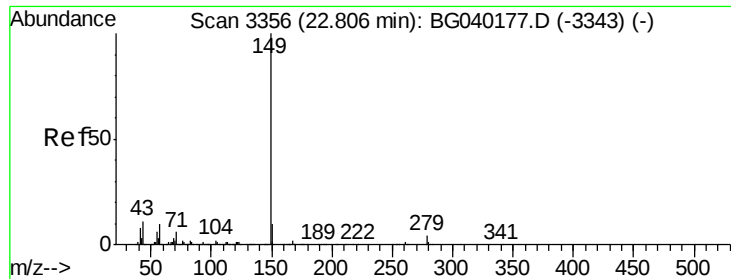
Ion Ratio Lower Upper

149 100

167 28.5 24.1 36.1

279 4.4 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 16.275 ng

RT: 22.80 min Scan# 3355

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

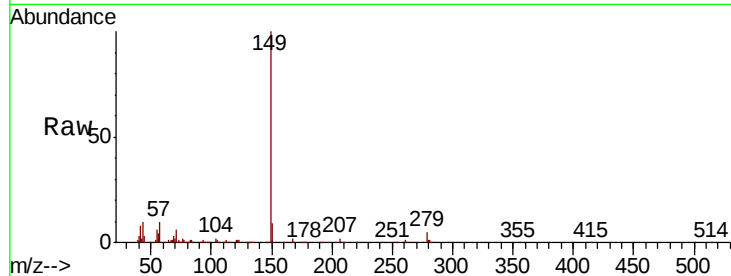
Tgt Ion:149 Resp: 357592

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

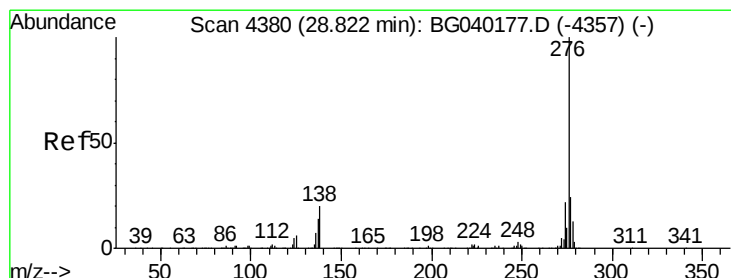
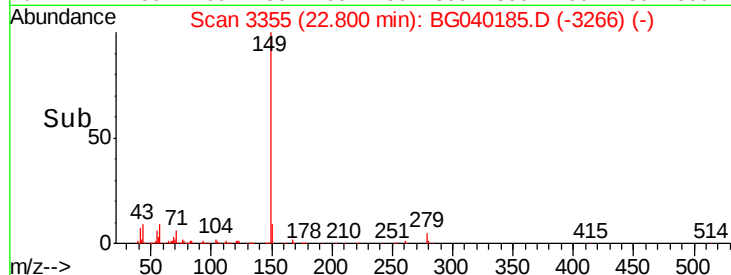
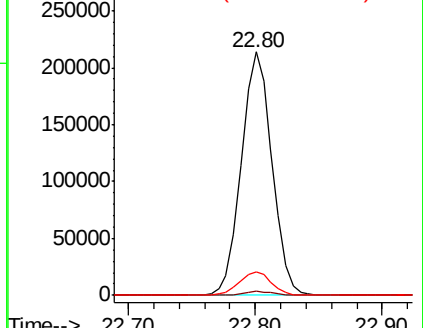
43 9.9 8.7 13.1



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: 16.820 ng

RT: 28.80 min Scan# 4376

Delta R.T. -0.02 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

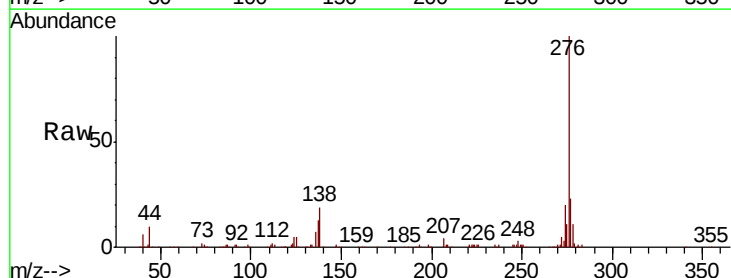
Tgt Ion:276 Resp: 390421

Ion Ratio Lower Upper

276 100

138 16.8 18.8 28.2#

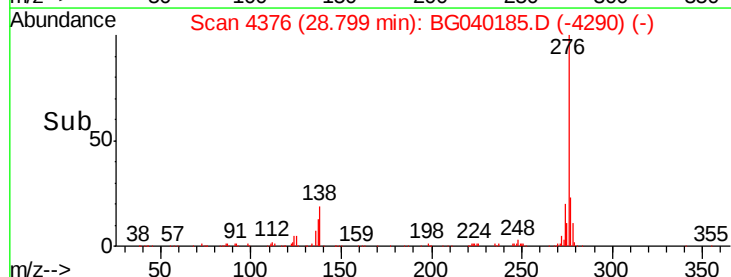
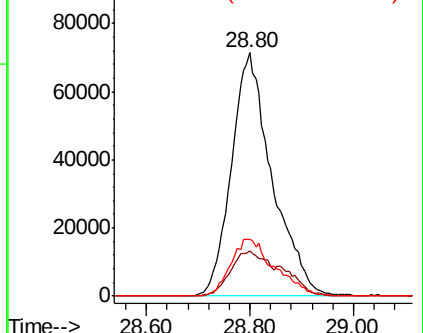
277 25.4 21.0 31.4

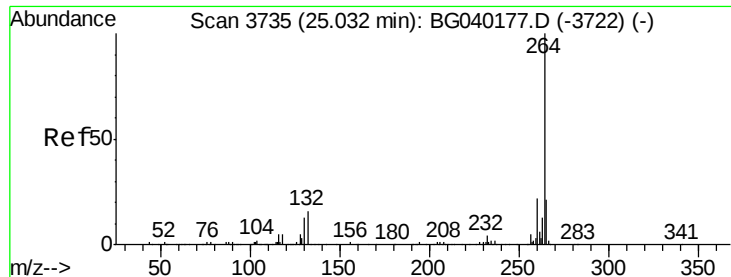


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

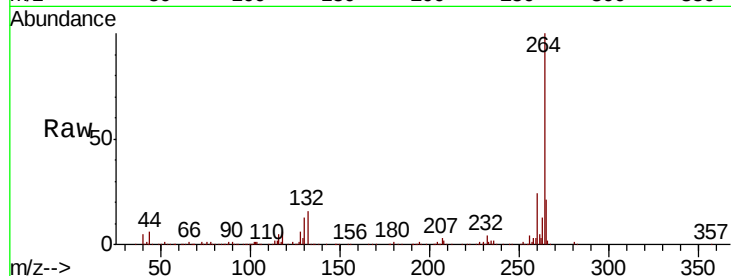
Tgt Ion:264 Resp: 333039

Ion Ratio Lower Upper

264 100

260 24.1 17.9 26.9

265 21.1 16.8 25.2

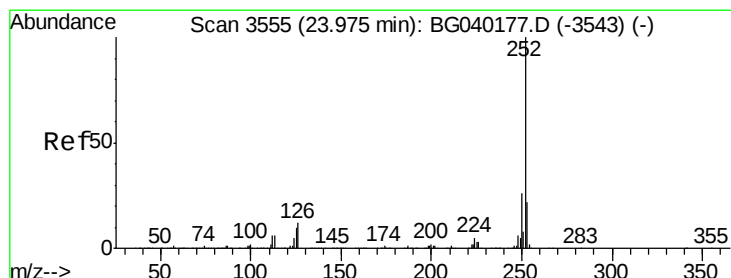
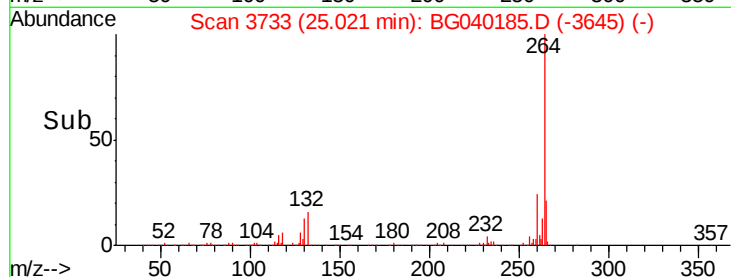
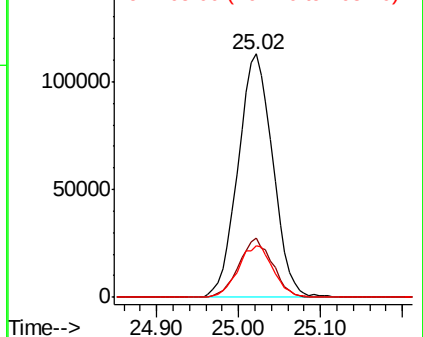


Abundance

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: 17.642 ng

RT: 23.96 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

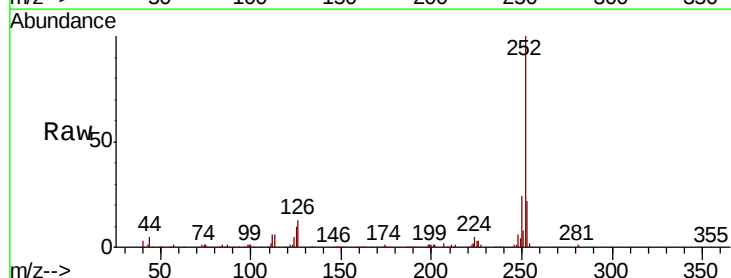
Tgt Ion:252 Resp: 359720

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.0 8.2 12.4

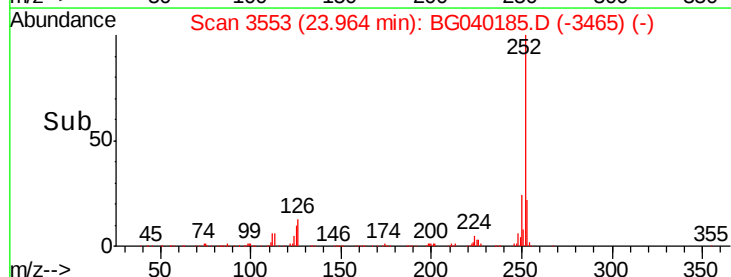
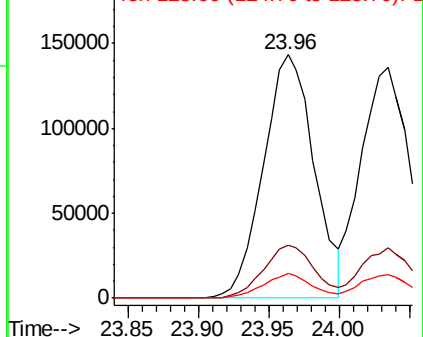


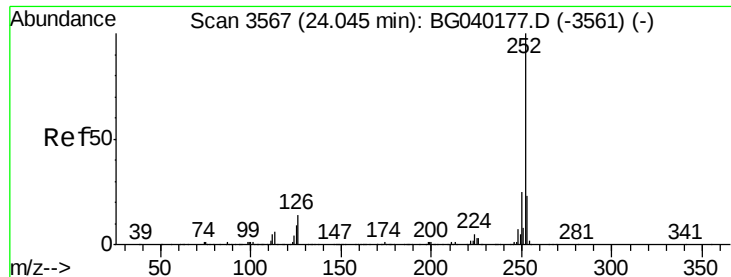
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

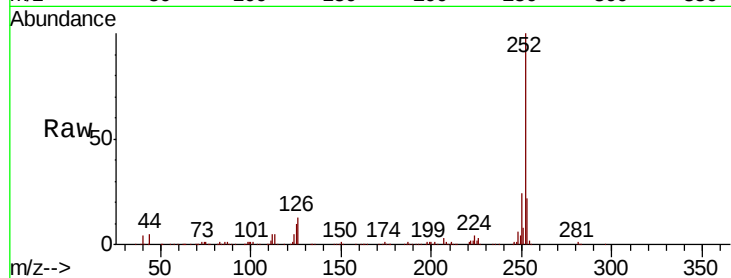




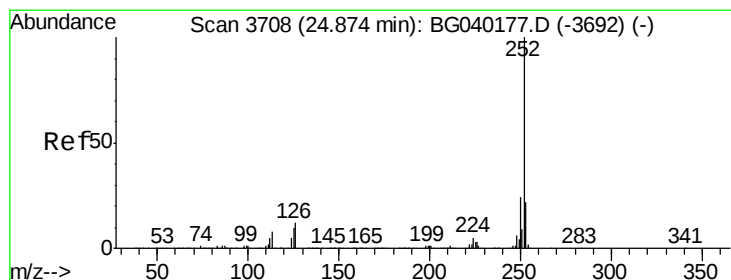
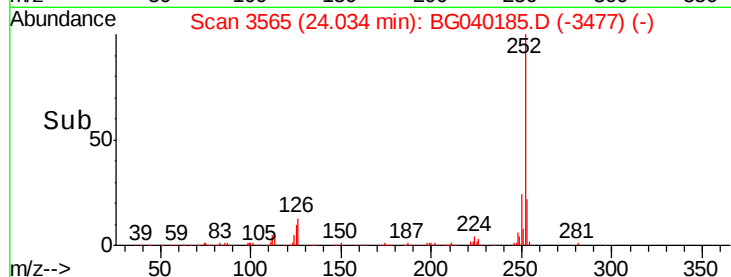
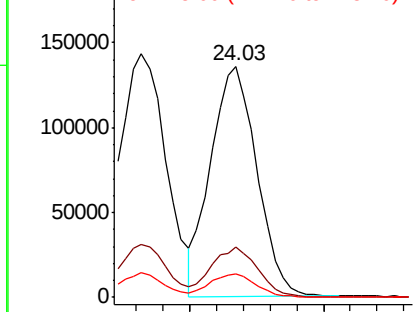
#89
Benzo(k)fluoranthene
Concen: 17.485 ng
RT: 24.03 min Scan# 3565
Delta R.T. -0.01 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:252 Resp: 327855
Ion Ratio Lower Upper
252 100
253 22.0 18.6 28.0
125 10.0 7.3 10.9

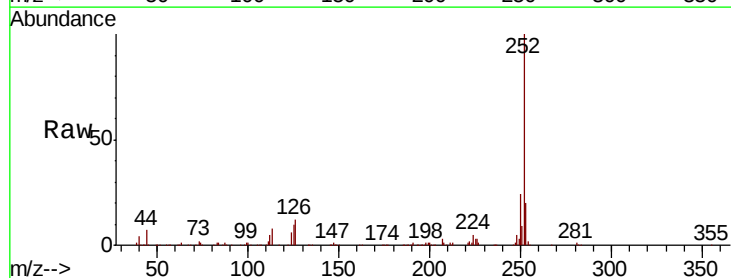


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

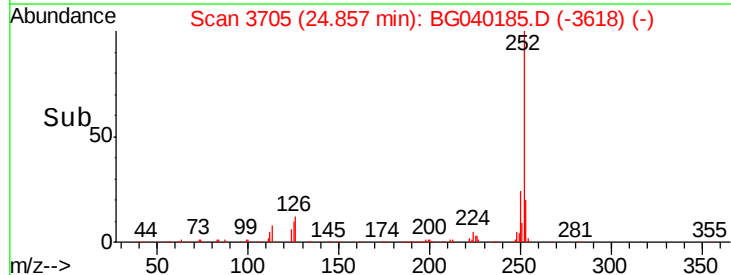
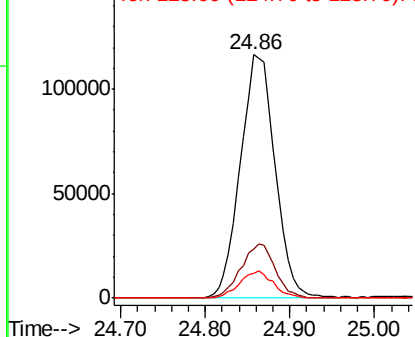


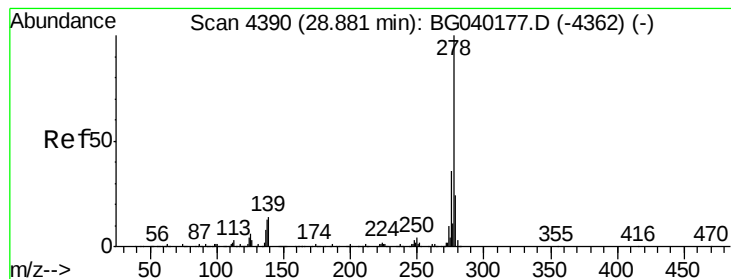
#90
Benzo(a)pyrene
Concen: 17.439 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.02 min
Lab File: BG040185.D
Acq: 27 Mar 2019 23:45

Tgt Ion:252 Resp: 333621
Ion Ratio Lower Upper
252 100
253 20.3 17.8 26.8
125 10.1 8.3 12.5



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





#91

Dibenzo(a,h)anthracene

Concen: 17.717 ng

RT: 28.86 min Scan# 4387

Delta R.T. -0.02 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

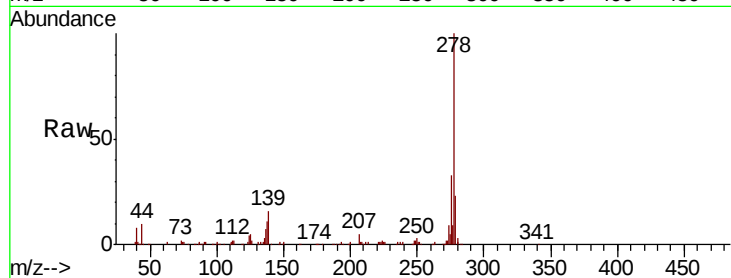
Tgt Ion:278 Resp: 314789

Ion Ratio Lower Upper

278 100

139 16.4 11.2 16.8

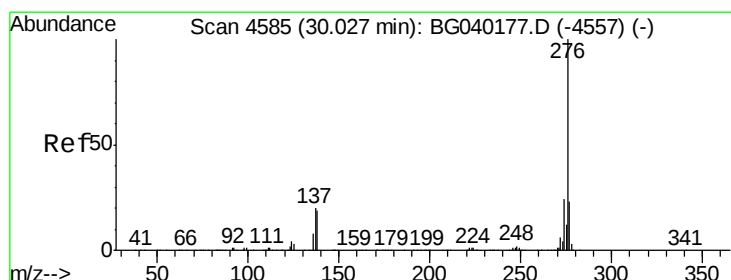
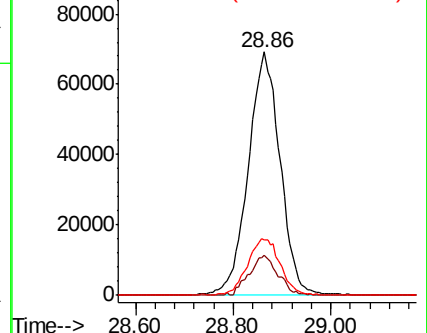
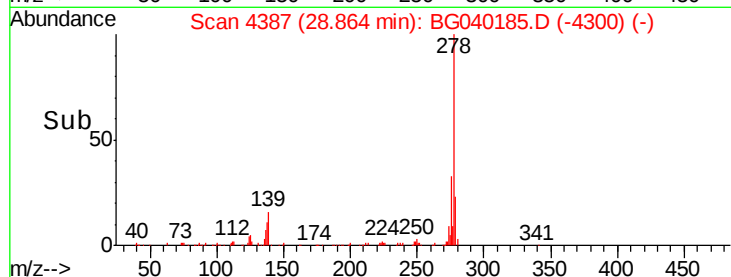
279 22.9 18.9 28.3



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: 17.438 ng

RT: 29.99 min Scan# 4579

Delta R.T. -0.03 min

Lab File: BG040185.D

Acq: 27 Mar 2019 23:45

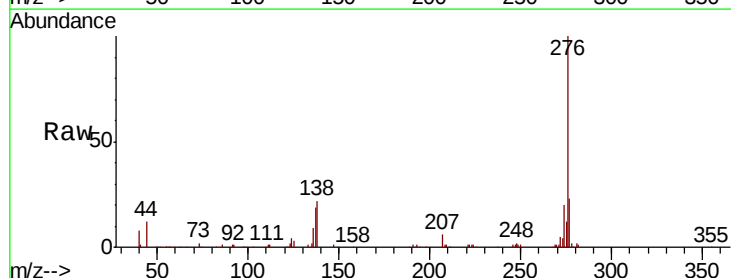
Tgt Ion:276 Resp: 318428

Ion Ratio Lower Upper

276 100

277 22.7 18.6 28.0

138 21.5 15.2 22.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

