

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032719\
 Data File : BG040184.D
 Acq On : 27 Mar 2019 23:05
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 8PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 28 06:39:10 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	52476	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	210931	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	128962	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	307682	20.00	ng	0.00
76) Chrysene-d12	21.73	240	323882	20.00	ng	0.00
87) Perylene-d12	25.02	264	332051	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	382776	121.26	ng	0.00
7) Phenol-d6	7.22	99	529688	121.42	ng	0.00
23) Nitrobenzene-d5	9.25	82	349643	88.11	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	187182	134.30	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	785111	90.21	ng	0.00
79) Terphenyl-d14	20.05	244	1251541	86.93	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	13646	9.194	ng	87
3) Pyridine	3.93	79	30358	7.596	ng	88
4) n-Nitrosodimethylamine	3.85	42	14418	7.799	ng	# 79
6) Aniline	7.40	93	41550	7.331	ng	98
8) 2-Chlorophenol	7.63	128	27216	7.365	ng	97
9) Benzaldehyde	7.21	77	24789	8.284	ng	98
10) Phenol	7.25	94	34679	7.324	ng	96
11) bis(2-Chloroethyl)ether	7.49	93	29125	7.680	ng	96
12) 1,3-Dichlorobenzene	7.96	146	31715	7.896	ng	93
13) 1,4-Dichlorobenzene	8.11	146	31967	7.990	ng	97
14) 1,2-Dichlorobenzene	8.42	146	30018	7.846	ng	98
15) Benzyl Alcohol	8.31	79	24783	7.054	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.59	45	55705	7.653	ng	99
17) 2-Methylphenol	8.51	107	23202	7.081	ng	89
18) Hexachloroethane	9.15	117	11928	7.838	ng	88
19) n-Nitroso-di-n-propylamine	8.87	70	23077	7.378	ng	# 97
20) 3+4-Methylphenols	8.84	107	33624	7.575	ng	97
22) Acetophenone	8.90	105	44915	8.536	ng	# 99
24) Nitrobenzene	9.29	77	34284	8.343	ng	# 95
25) Isophorone	9.80	82	67879	8.313	ng	98
26) 2-Nitrophenol	9.99	139	15179	7.795	ng	90
27) 2,4-Dimethylphenol	10.04	122	23462	7.586	ng	96
28) bis(2-Chloroethoxy)methane	10.28	93	39631	8.204	ng	96
29) 2,4-Dichlorophenol	10.53	162	25711	7.659	ng	95
30) 1,2,4-Trichlorobenzene	10.74	180	30006	8.140	ng	93
31) Naphthalene	10.93	128	94040	8.698	ng	# 95
32) Benzoic acid	10.14	122	7155	3.829	ng	98
33) 4-Chloroaniline	11.05	127	38024	8.245	ng	# 93
34) Hexachlorobutadiene	11.20	225	20173	8.557	ng	93
35) Caprolactam	11.81	113	10250	7.694	ng	# 80
36) 4-Chloro-3-methylphenol	12.15	107	30242	7.836	ng	97
37) 2-Methylnaphthalene	12.53	142	67616	8.456	ng	96
38) 1-Methylnaphthalene	12.53	142	67616	8.720	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.90	216	35321	8.617	ng	99

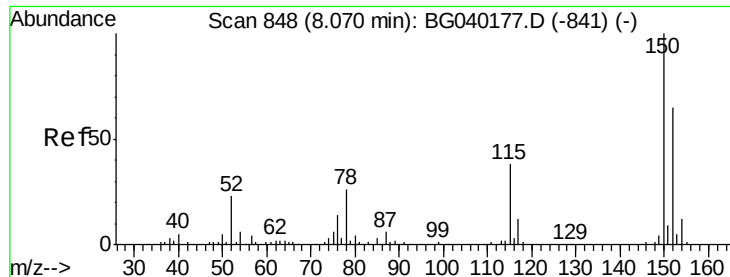
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032719\
 Data File : BG040184.D
 Acq On : 27 Mar 2019 23:05
 Operator : JU/SJ
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Quant Time: Mar 28 06:39:10 2019
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT 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	15144	6.729	ng	99
43) 2,4,6-Trichlorophenol	13.14	196	19679	7.447	ng	96
44) 2,4,5-Trichlorophenol	13.21	196	22975	7.976	ng	95
46) 1,1'-Biphenyl	13.53	154	90568	8.888	ng	100
47) 2-Chloronaphthalene	13.58	162	67565	8.644	ng	98
48) 2-Nitroaniline	13.79	65	20542	7.792	ng	95
49) Acenaphthylene	14.42	152	116556	8.795	ng	97
50) Dimethylphthalate	14.15	163	87372	8.657	ng	99
51) 2,6-Dinitrotoluene	14.28	165	18133	8.001	ng	95
52) Acenaphthene	14.76	154	64784	8.531	ng	99
53) 3-Nitroaniline	14.61	138	19045	7.939	ng	95
54) 2,4-Dinitrophenol	14.82	184	6214	5.156	ng	93
55) Dibenzofuran	15.09	168	110090	9.022	ng	95
56) 4-Nitrophenol	14.92	139	12972	6.700	ng	92
57) 2,4-Dinitrotoluene	15.06	165	24267	7.706	ng	95
58) Fluorene	15.74	166	85770	8.941	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.23	232	19083	7.301	ng	92
60) Diethylphthalate	15.50	149	90715	8.783	ng	99
61) 4-Chlorophenyl-phenylether	15.73	204	45048	8.785	ng	96
62) 4-Nitroaniline	15.77	138	21047	8.175	ng	98
63) Azobenzene	16.02	77	85864	8.814	ng	96
65) 4,6-Dinitro-2-methylphenol	15.83	198	10998	6.362	ng	90
66) n-Nitrosodiphenylamine	15.95	169	76284	8.473	ng	92
67) 4-Bromophenyl-phenylether	16.63	248	28141	8.127	ng	94
68) Hexachlorobenzene	16.74	284	29716	8.536	ng	96
69) Atrazine	16.88	200	28280	8.444	ng	96
70) Pentachlorophenol	17.09	266	12113	6.018	ng	96
71) Phenanthrene	17.49	178	144164	8.914	ng	99
72) Anthracene	17.58	178	143838	8.886	ng	99
73) Carbazole	17.85	167	136782	8.929	ng	100
74) Di-n-butylphthalate	18.38	149	164124	9.038	ng	98
75) Fluoranthene	19.49	202	179748	9.386	ng	97
77) Benzidine	19.68	184	74470	6.367	ng	98
78) Pyrene	19.86	202	188398	8.845	ng	97
80) Butylbenzylphthalate	20.73	149	69681	7.645	ng	92
81) Benzo(a)anthracene	21.70	228	172812	8.663	ng	99
82) 3,3'-Dichlorobenzidine	21.62	252	58308	7.683	ng	98
83) Chrysene	21.77	228	166676	8.693	ng	96
84) Bis(2-ethylhexyl)phthalate	21.57	149	101483	7.789	ng	96
85) Di-n-octyl phthalate	22.80	149	174834	7.876	ng	99
86) Indeno(1,2,3-cd)pyrene	28.80	276	187874	8.012	ng	# 91
88) Benzo(b)fluoranthene	23.96	252	181470	8.926	ng	98
89) Benzo(k)fluoranthene	24.04	252	166550	8.909	ng	99
90) Benzo(a)pyrene	24.86	252	165491	8.676	ng	97
91) Dibenzo(a,h)anthracene	28.86	278	151079	8.528	ng	97
92) Benzo(g,h,i)perylene	29.99	276	153670	8.441	ng	97

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

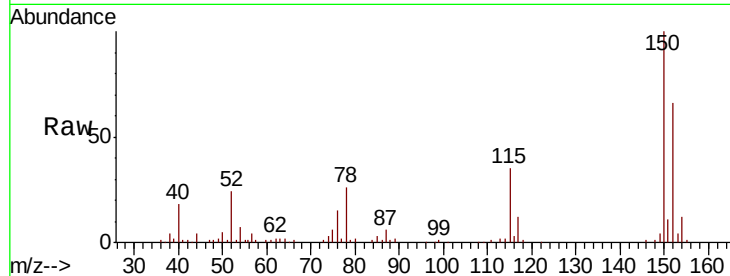


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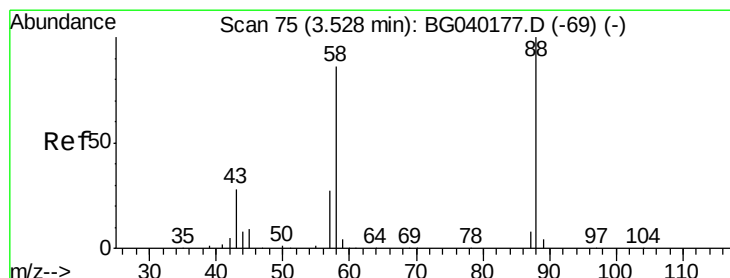
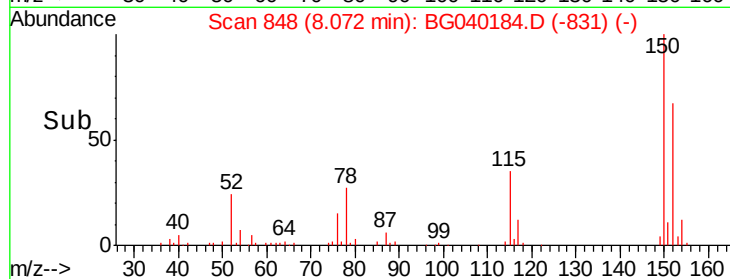
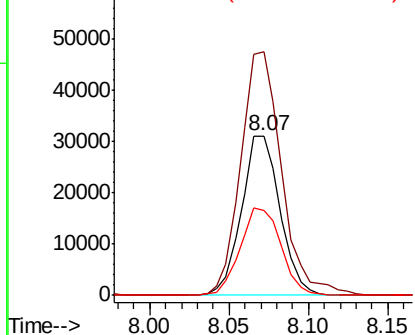
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

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

Tgt Ion:152 Resp: 52476
Ion Ratio Lower Upper
152 100
150 152.6 123.7 185.5
115 52.9 46.9 70.3



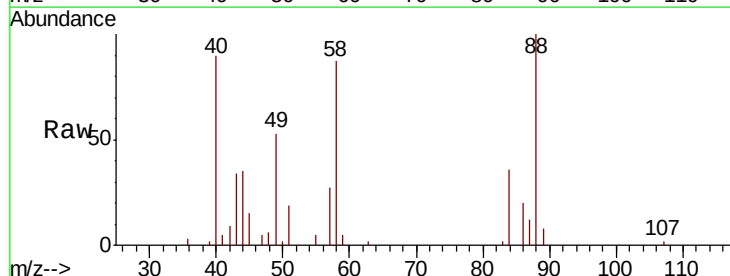
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



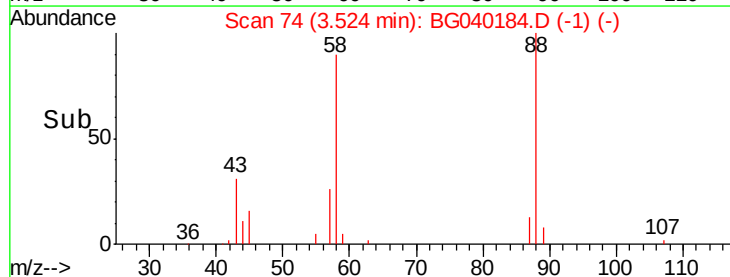
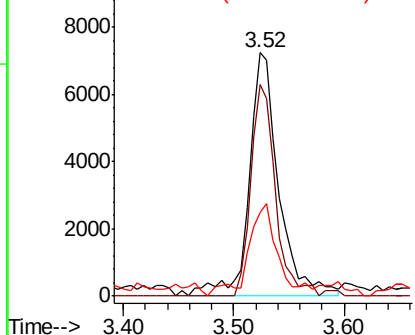
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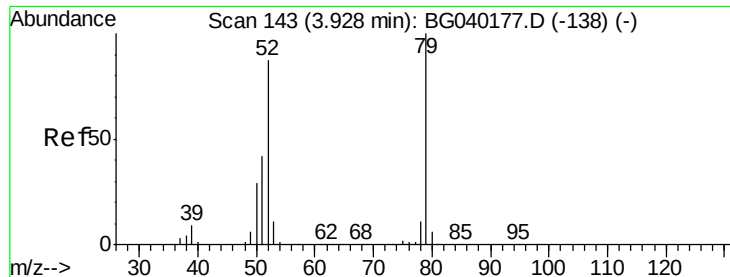
1,4-Dioxane
Concen: 9.194 ng
RT: 3.52 min Scan# 74
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion: 88 Resp: 13646
Ion Ratio Lower Upper
88 100
58 71.5 70.6 106.0
43 31.3 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: 7.596 ng

RT: 3.93 min Scan# 143

Delta R.T. 0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

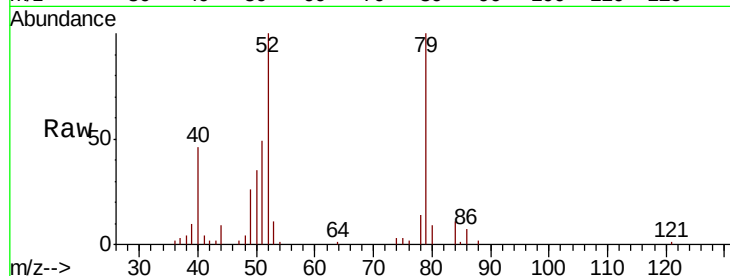
Tgt Ion: 79 Resp: 30358

Ion Ratio Lower Upper

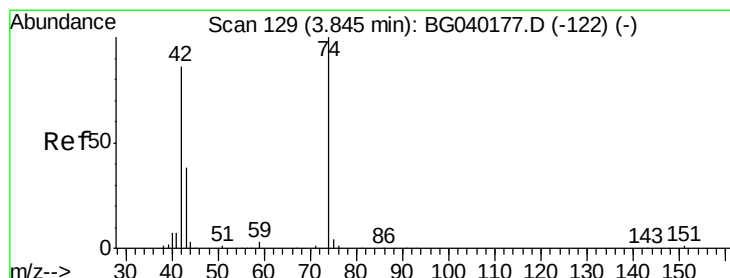
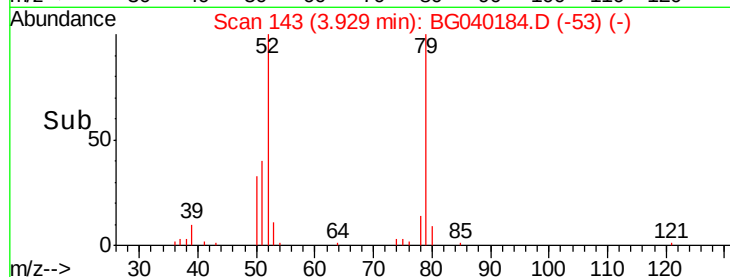
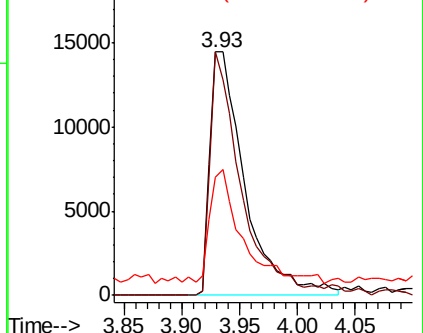
79 100

52 100.0 69.8 104.8

51 48.5 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: 7.799 ng

RT: 3.85 min Scan# 130

Delta R.T. 0.01 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

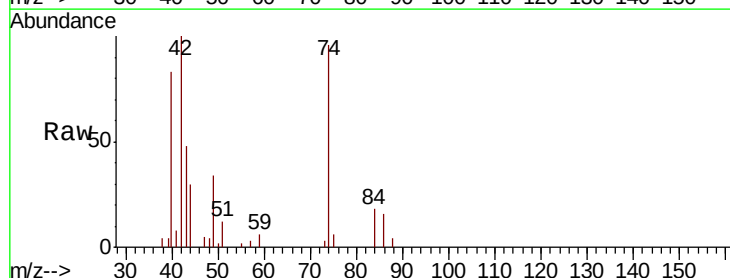
Tgt Ion: 42 Resp: 14418

Ion Ratio Lower Upper

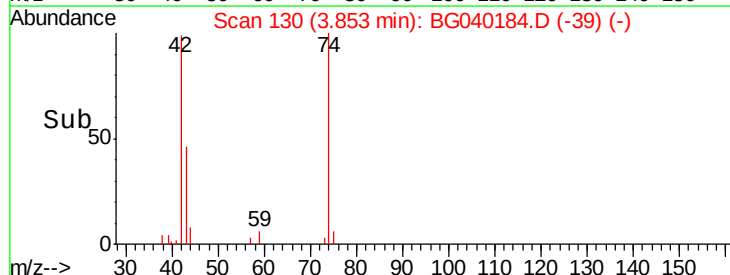
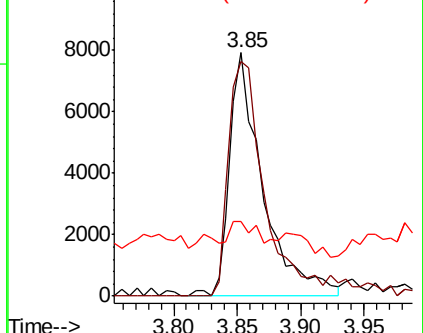
42 100

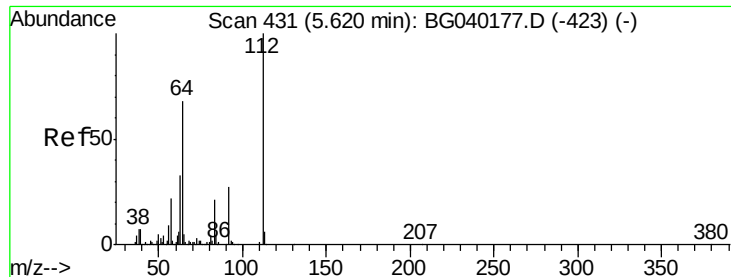
74 96.3 92.9 139.3

44 30.4 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: 121.261 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

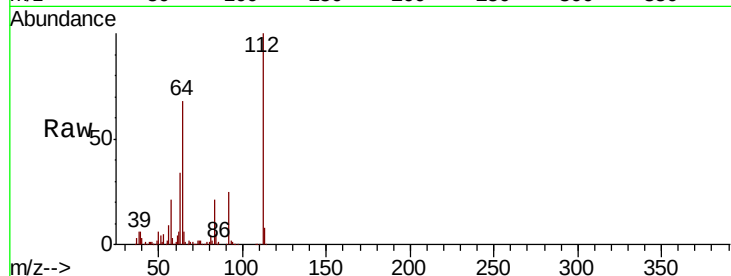
Tgt Ion: 112 Resp: 382776

Ion Ratio Lower Upper

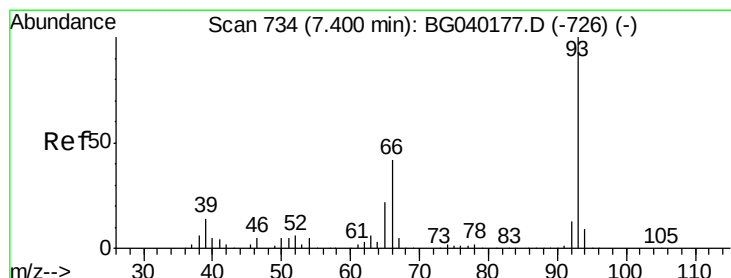
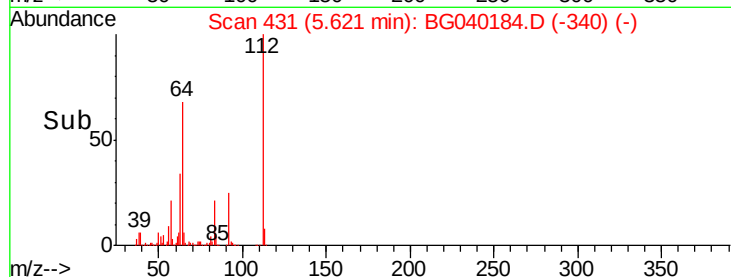
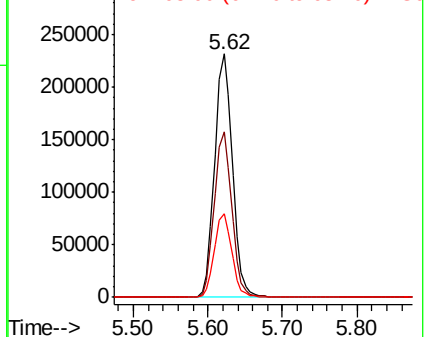
112 100

64 68.0 54.2 81.2

63 34.5 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: 7.331 ng

RT: 7.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

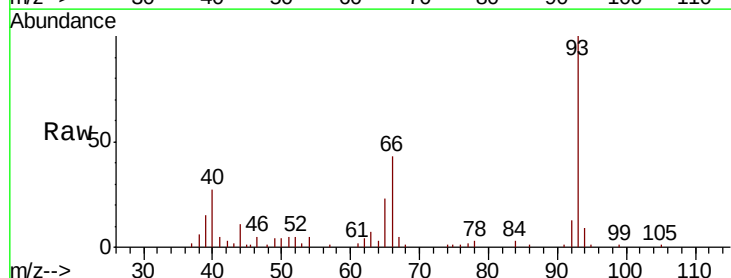
Tgt Ion: 93 Resp: 41550

Ion Ratio Lower Upper

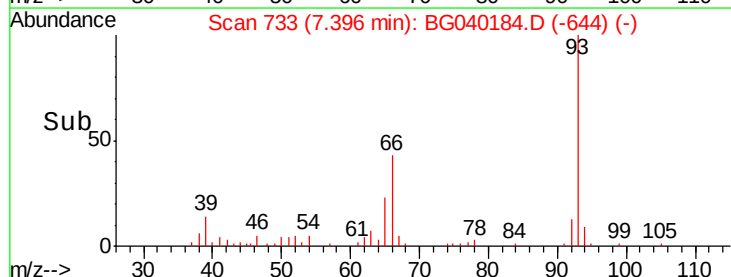
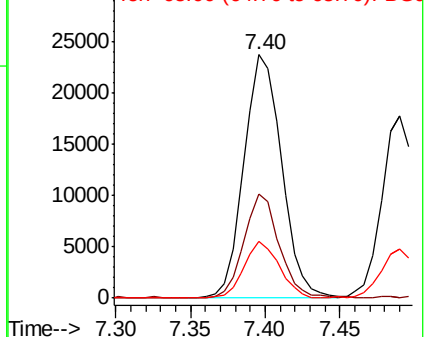
93 100

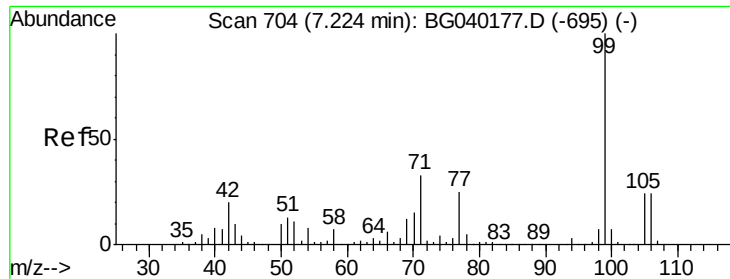
66 42.5 33.6 50.4

65 23.2 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: 121.419 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

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BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

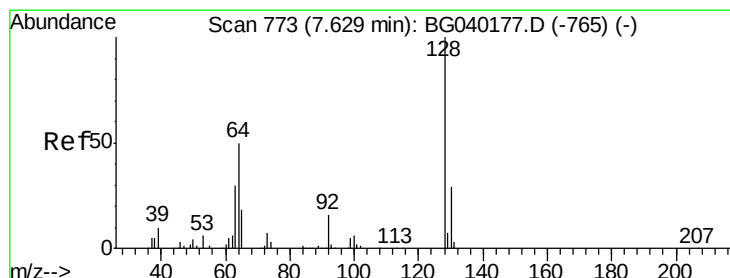
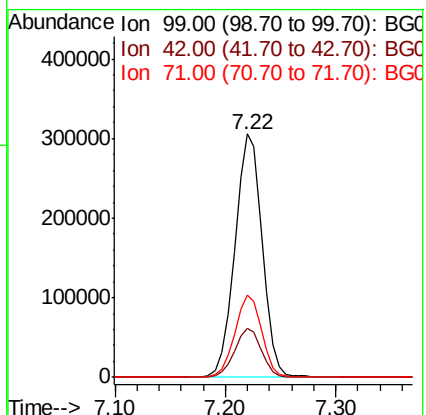
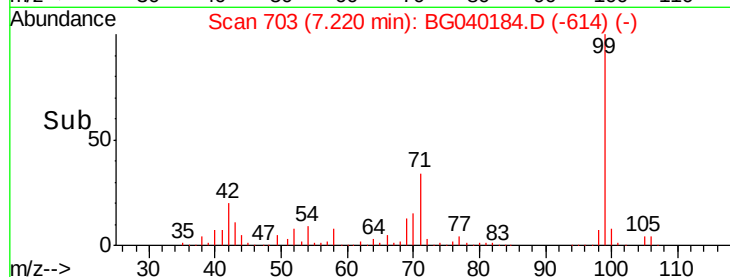
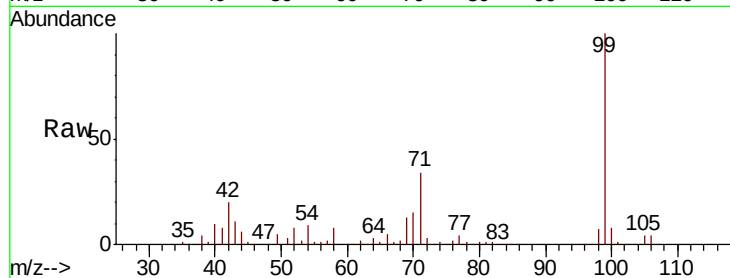
Tgt Ion: 99 Resp: 529688

Ion Ratio Lower Upper

99 100

42 20.3 16.2 24.2

71 33.7 26.8 40.2



#8

2-Chlorophenol

Concen: 7.365 ng

RT: 7.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

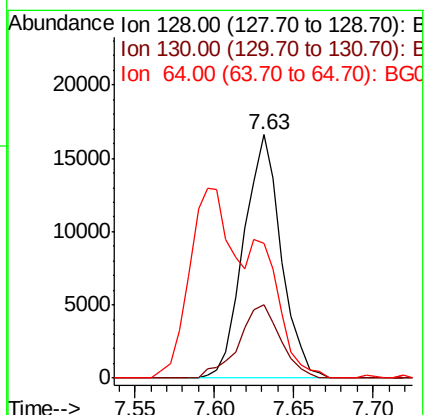
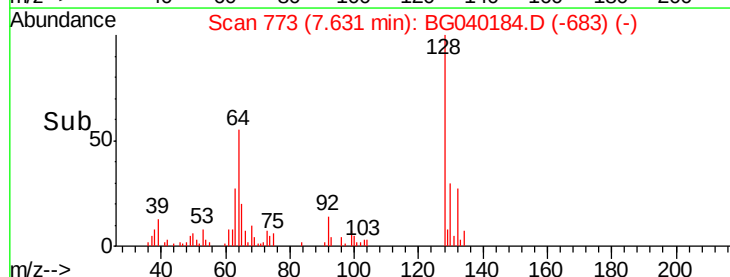
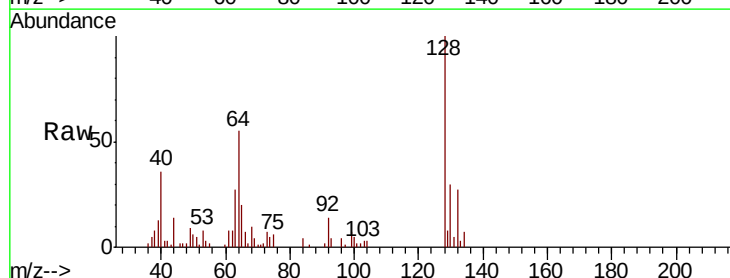
Tgt Ion: 128 Resp: 27216

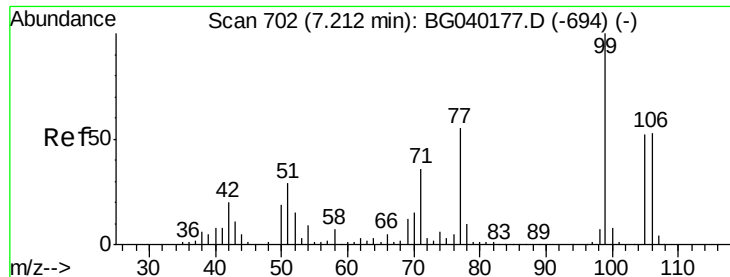
Ion Ratio Lower Upper

128 100

130 30.3 9.1 49.1

64 55.3 33.1 73.1





#9

Benzaldehyde

Concen: 8.284 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

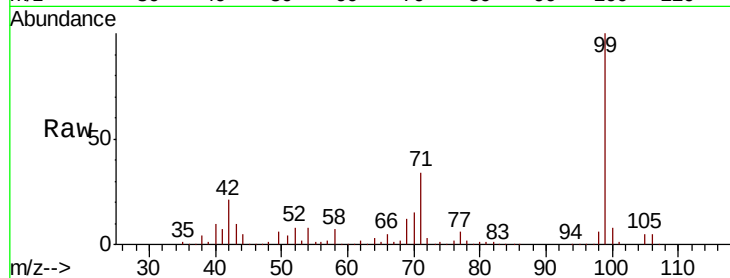
Tgt Ion: 77 Resp: 24789

Ion Ratio Lower Upper

77 100

105 94.8 75.0 115.0

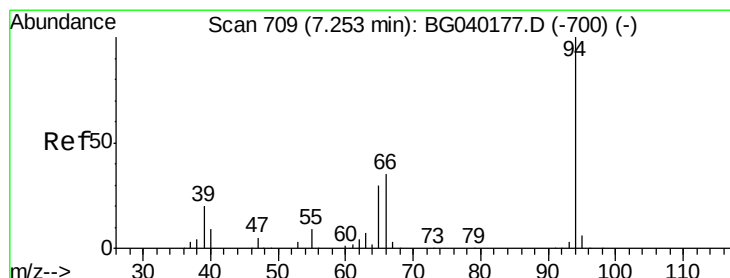
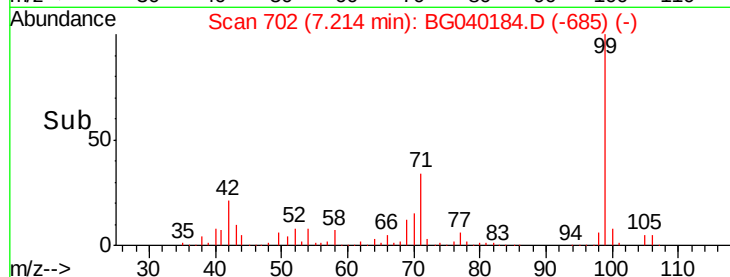
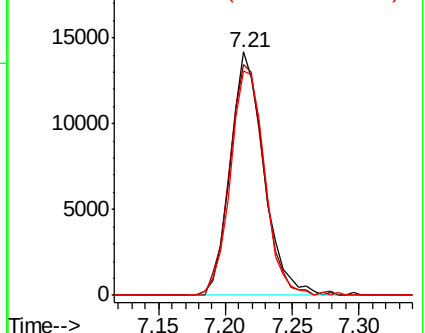
106 91.9 75.7 115.7



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: 7.324 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

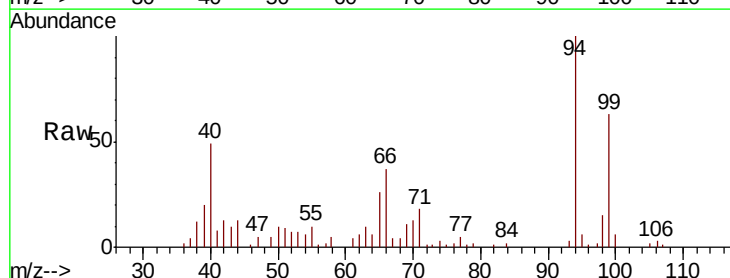
Tgt Ion: 94 Resp: 34679

Ion Ratio Lower Upper

94 100

65 26.4 10.5 50.5

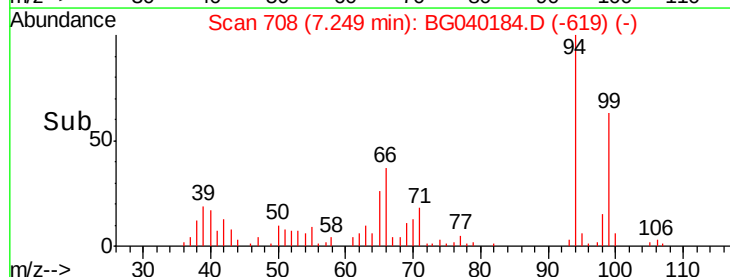
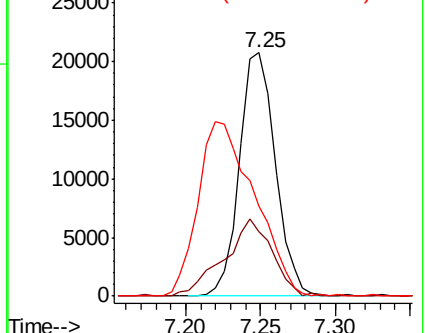
66 37.2 16.9 56.9

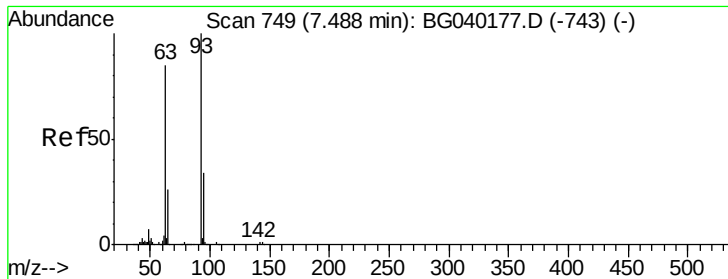


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

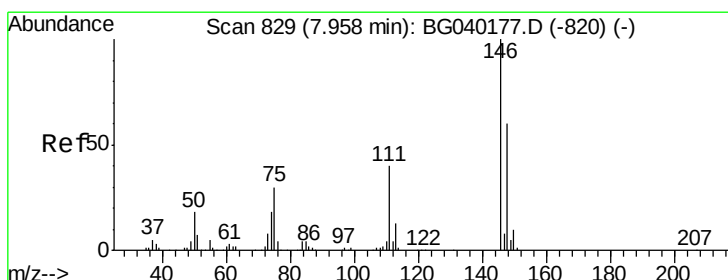
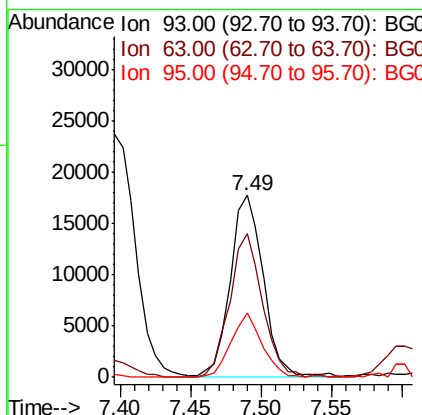
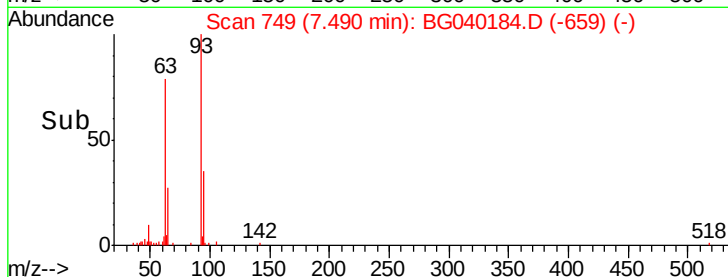
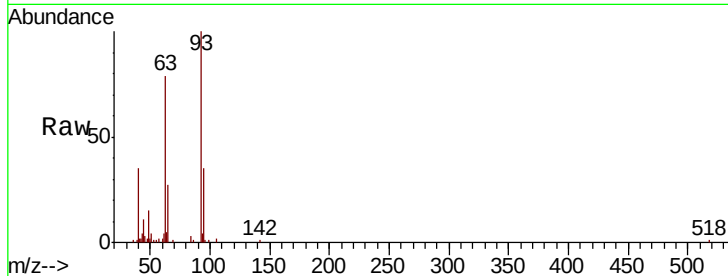




#11
bis(2-Chloroethyl)ether
Concen: 7.680 ng
RT: 7.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

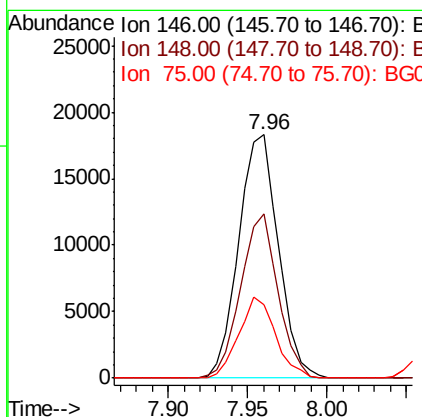
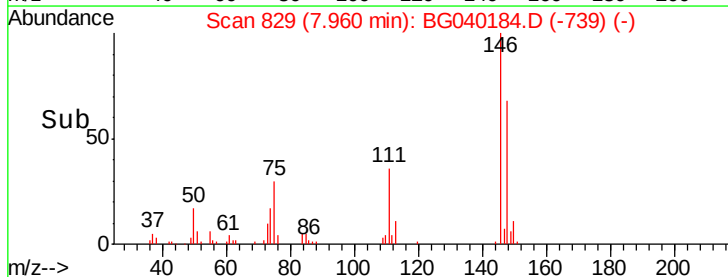
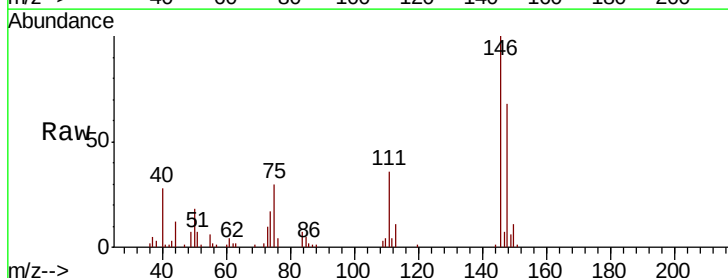
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

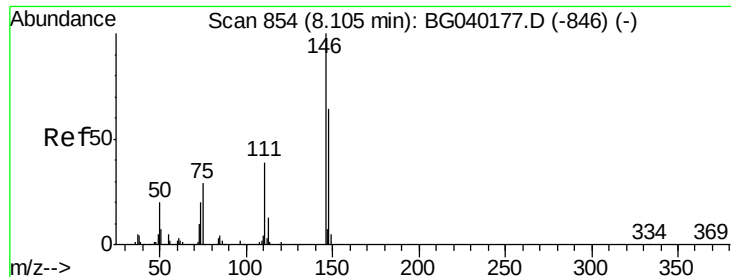
Tgt Ion: 93 Resp: 29125
Ion Ratio Lower Upper
93 100
63 79.3 64.2 104.2
95 35.0 14.0 54.0



#12
1,3-Dichlorobenzene
Concen: 7.896 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion: 146 Resp: 31715
Ion Ratio Lower Upper
146 100
148 67.7 48.2 72.2
75 30.3 24.1 36.1

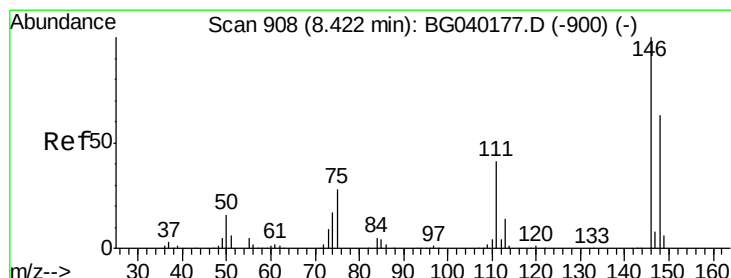
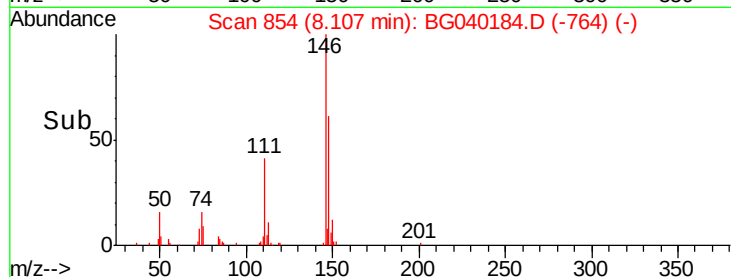
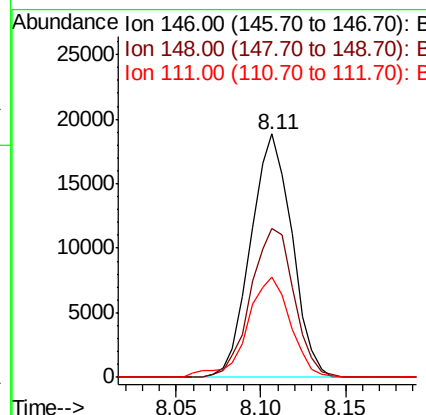
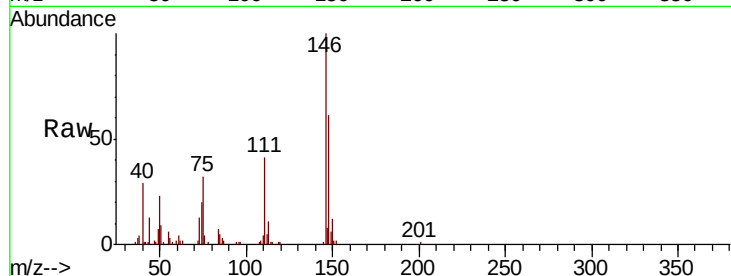




#13
 1,4-Dichlorobenzene
 Concen: 7.990 ng
 RT: 8.11 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

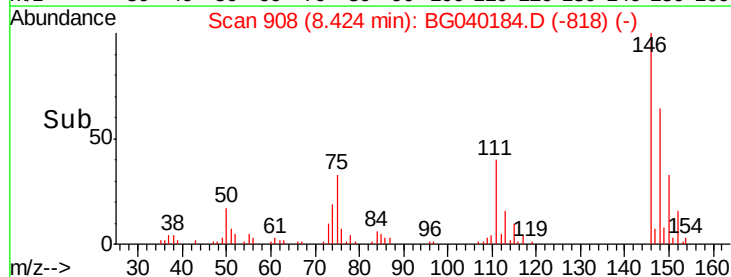
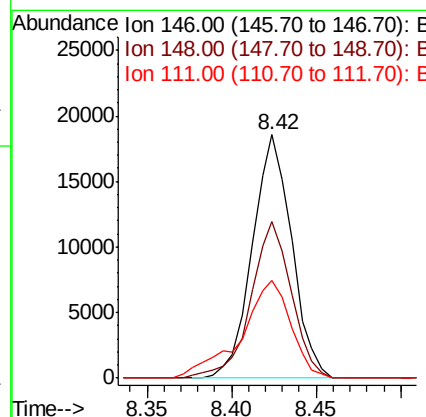
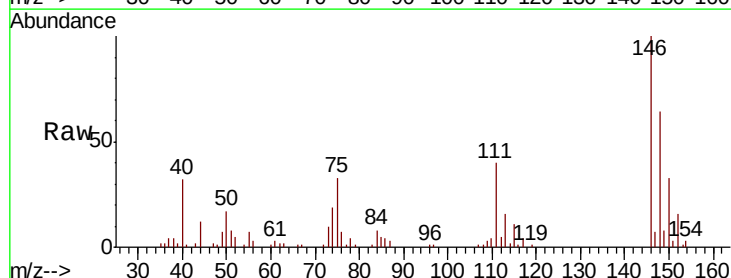
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

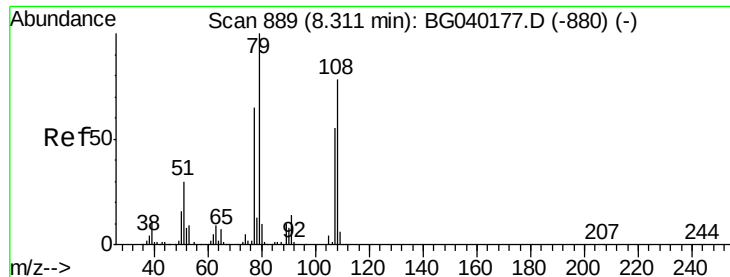
Tgt Ion:146 Resp: 31967
 Ion Ratio Lower Upper
 146 100
 148 61.2 51.0 76.4
 111 41.0 31.8 47.6



#14
 1,2-Dichlorobenzene
 Concen: 7.846 ng
 RT: 8.42 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion:146 Resp: 30018
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.8 76.2
 111 40.3 33.4 50.0

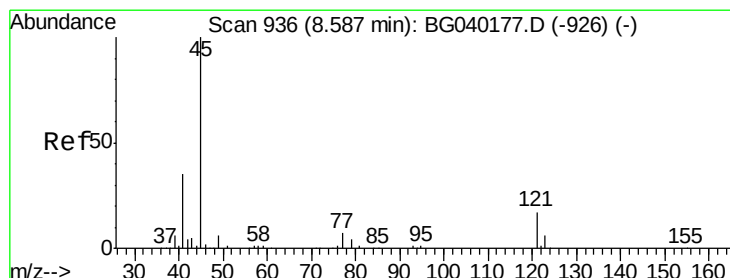
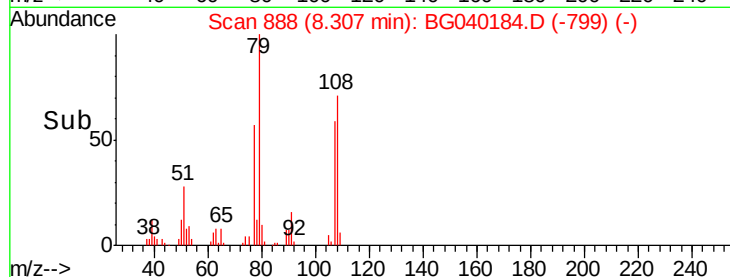
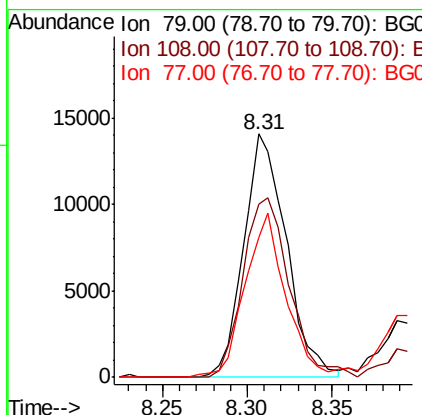
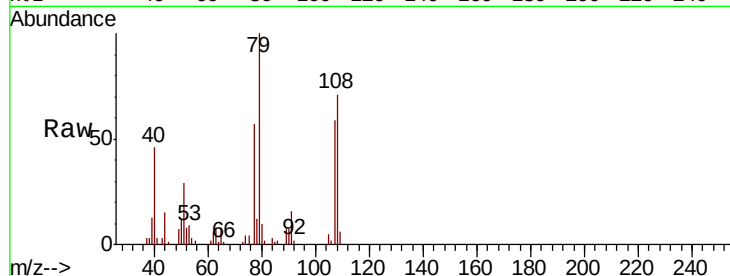




#15
Benzyl Alcohol
Concen: 7.054 ng
RT: 8.31 min Scan# 888
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

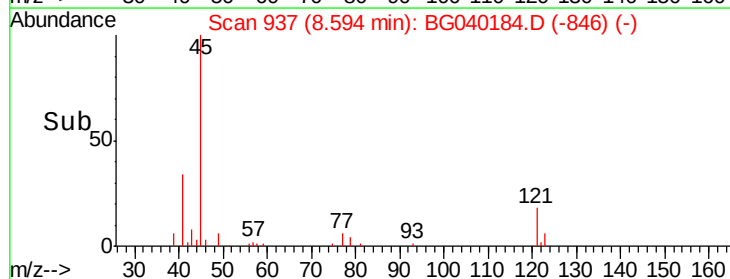
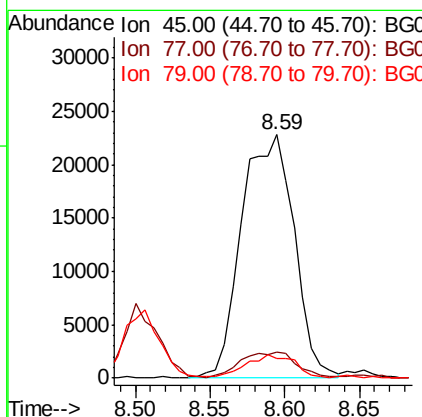
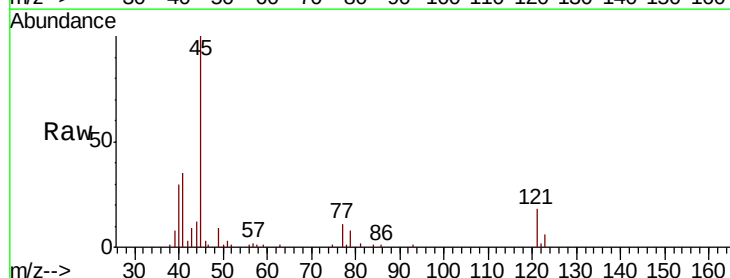
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

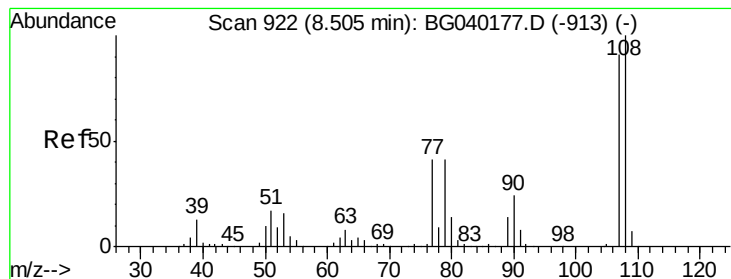
Tgt Ion: 79 Resp: 24783
Ion Ratio Lower Upper
79 100
108 71.3 62.1 93.1
77 57.4 51.9 77.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 7.653 ng
RT: 8.59 min Scan# 937
Delta R.T. 0.01 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion: 45 Resp: 55705
Ion Ratio Lower Upper
45 100
77 10.6 0.0 31.4
79 8.1 0.0 28.3

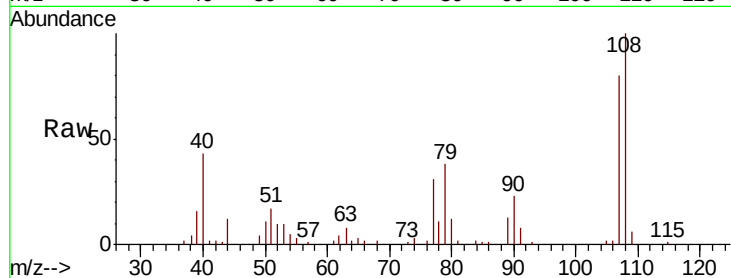




#17
2-Methylphenol
Concen: 7.081 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

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

Tgt Ion:107 Resp: 23202
Ion Ratio Lower Upper
107 100
108 125.3 88.2 132.4
77 38.8 36.6 55.0
79 47.1 36.5 54.7



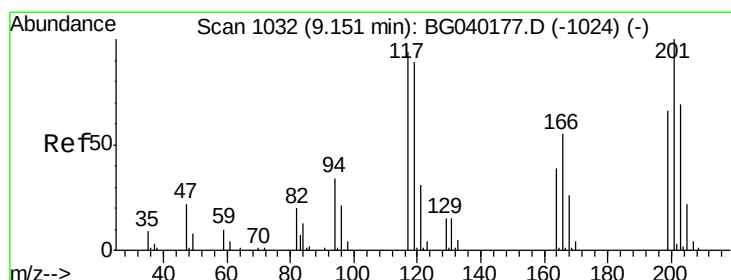
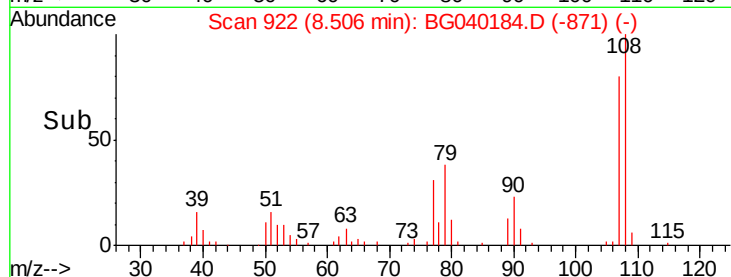
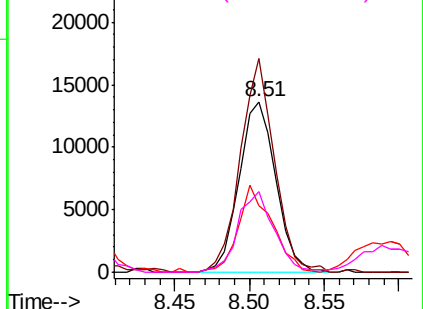
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

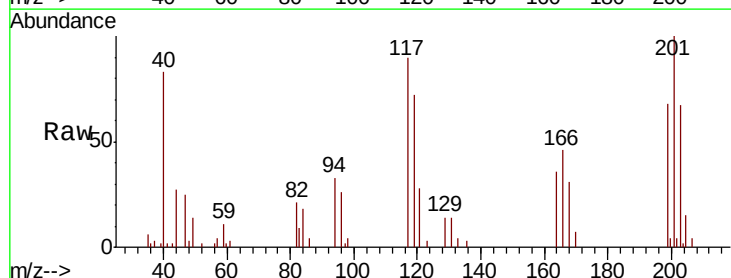
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 7.838 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:117 Resp: 11928
Ion Ratio Lower Upper
117 100
119 79.5 76.6 115.0
201 115.1 85.0 127.4

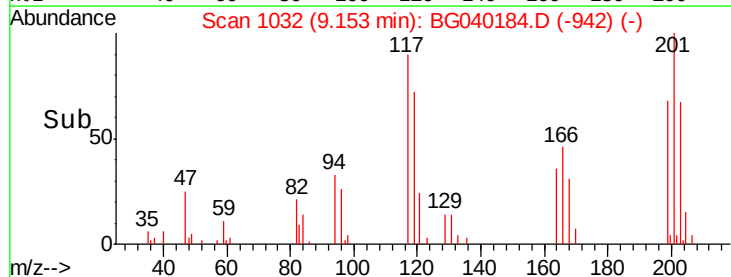
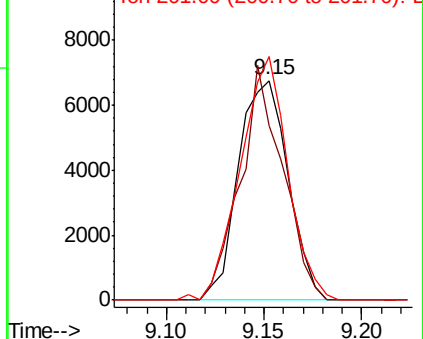


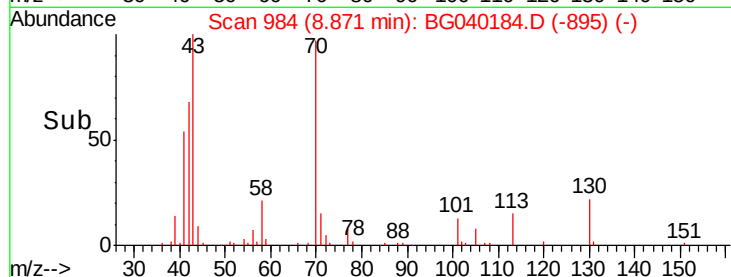
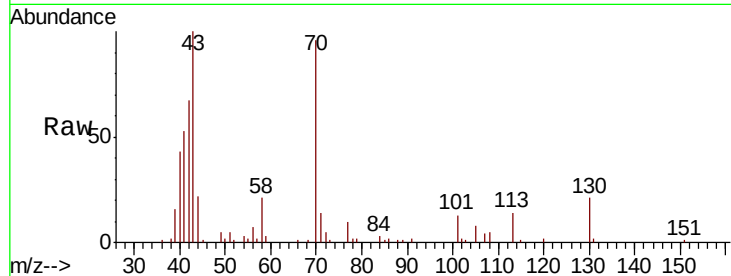
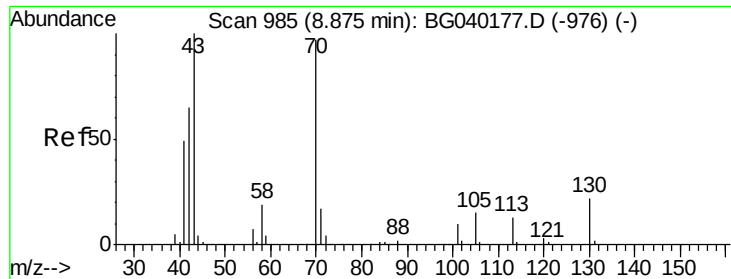
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

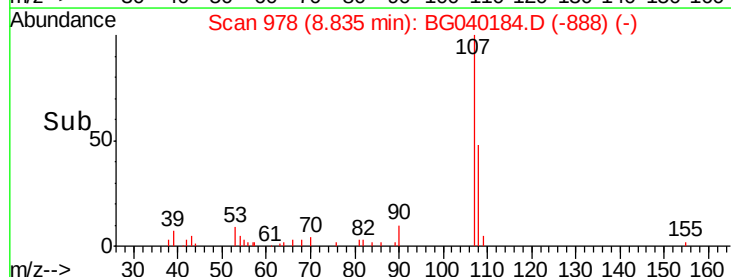
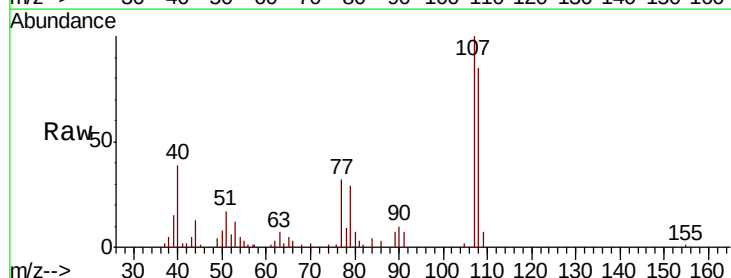
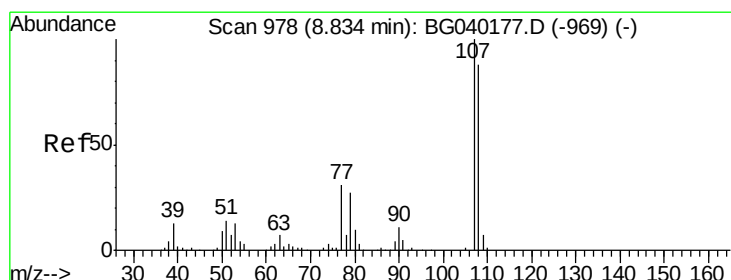
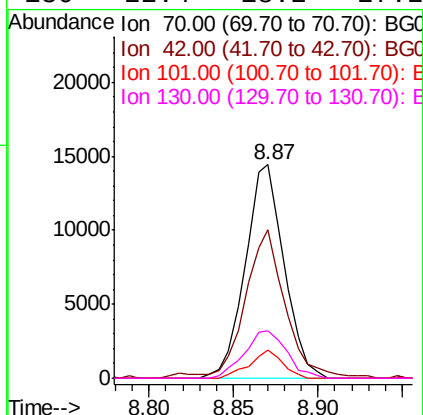




#19
n-Nitroso-di-n-propylamine
Concen: 7.378 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

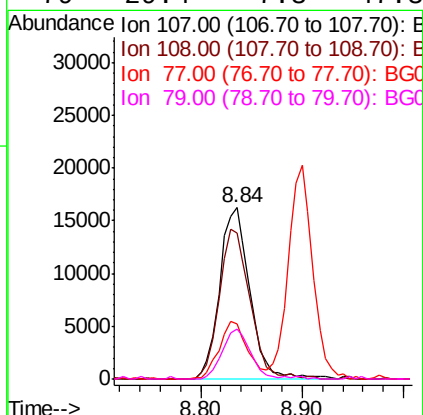
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

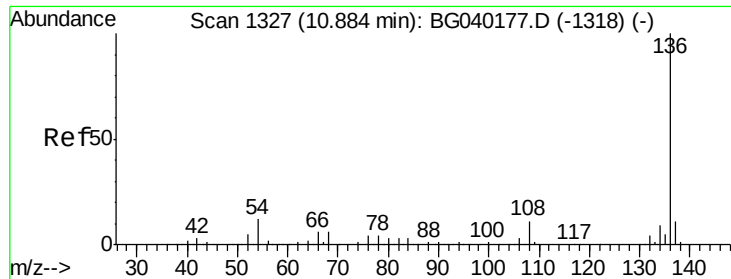
Tgt Ion:	70	Resp:	23077
Ion Ratio	Lower	Upper	
70	100		
42	69.7	54.0	81.0
101	13.2	8.6	13.0#
130	22.4	18.2	27.2



#20
3+4-Methylphenols
Concen: 7.575 ng
RT: 8.84 min Scan# 978
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:	107	Resp:	33624
Ion Ratio	Lower	Upper	
107	100		
108	85.3	68.3	108.3
77	32.3	11.3	51.3
79	29.4	7.3	47.3

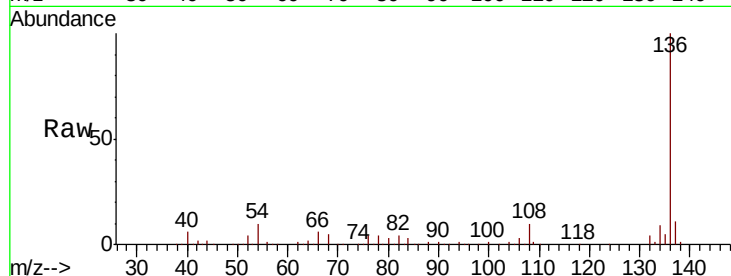




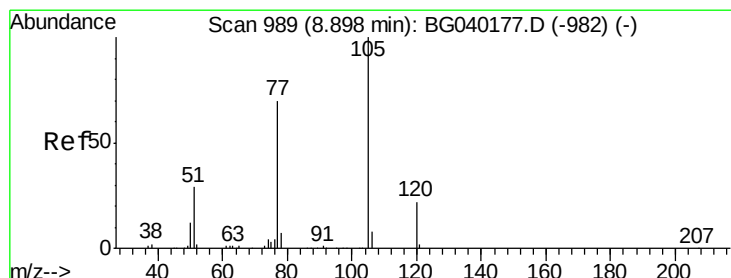
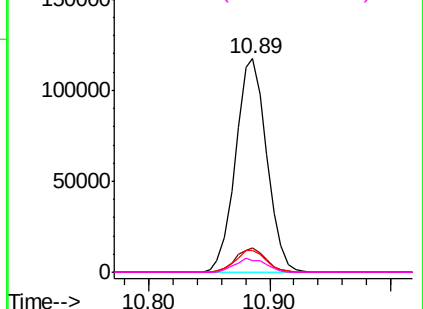
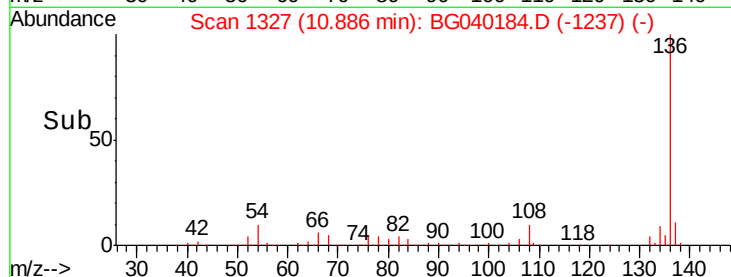
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

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

Tgt Ion:	136	Resp:	210931
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.1	9.6	14.4
68	5.3	5.1	7.7

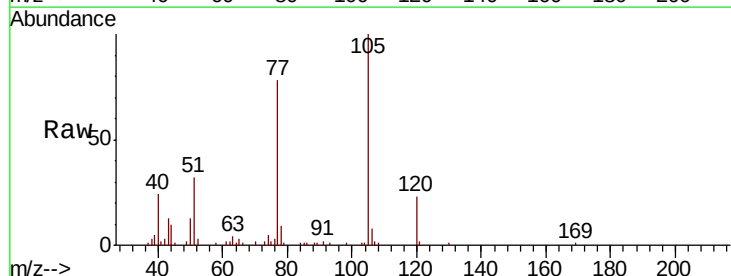


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

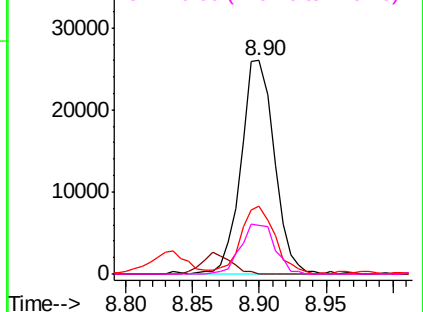
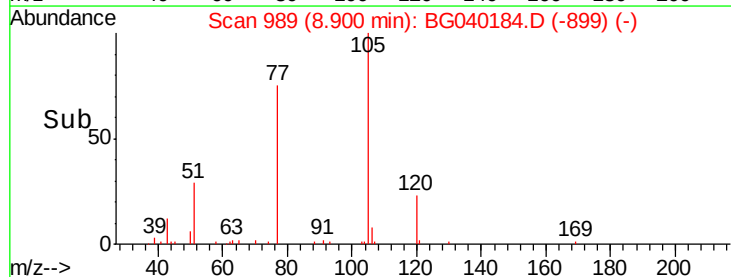


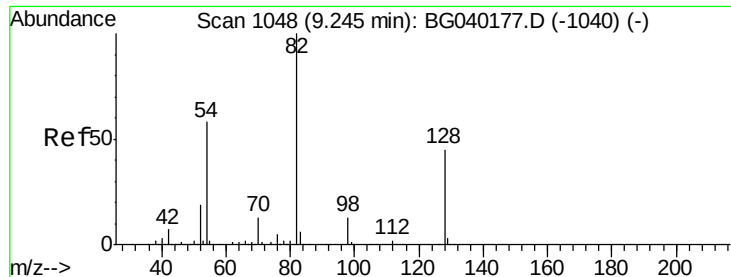
#22
Acetophenone
Concen: 8.536 ng
RT: 8.90 min Scan# 989
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:	105	Resp:	44915
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	31.7	25.1	37.7
120	22.6	17.6	26.4



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

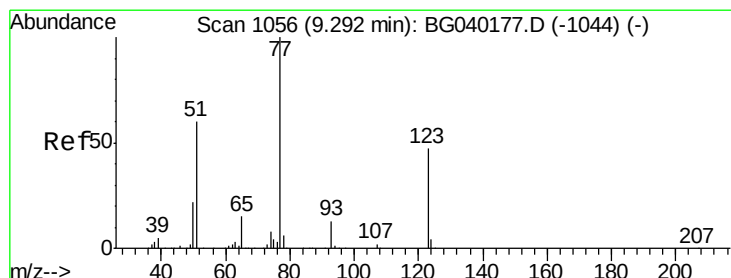
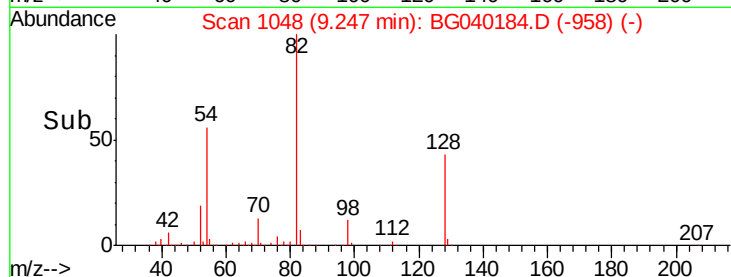
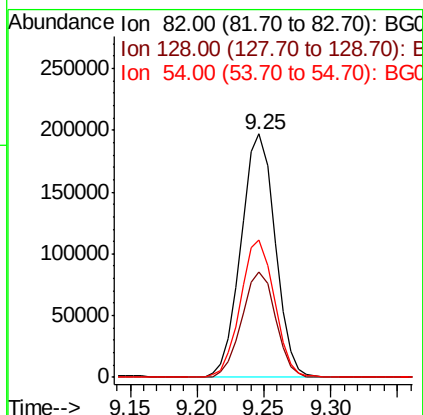
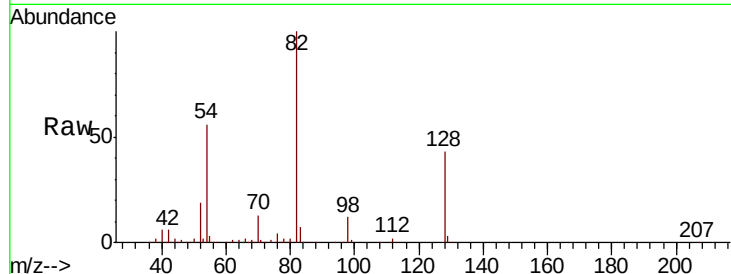




#23
 Nitrobenzene-d5
 Concen: 88.108 ng
 RT: 9.25 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

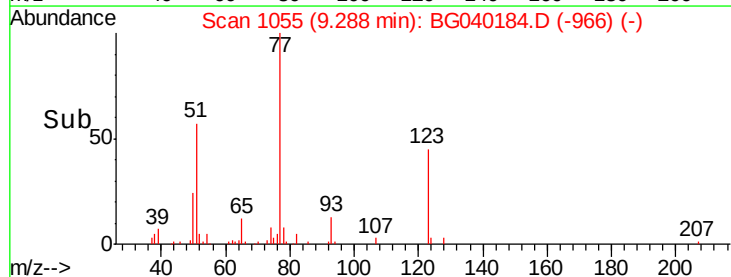
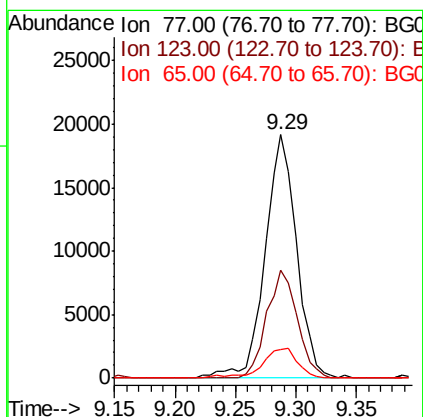
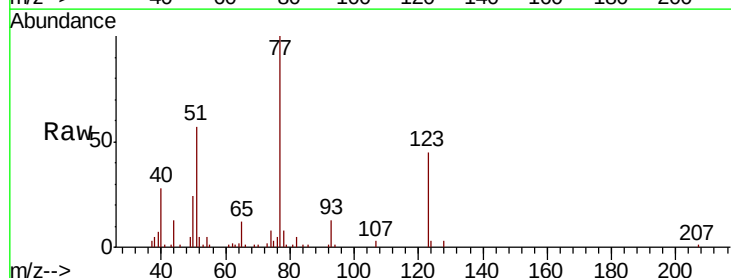
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

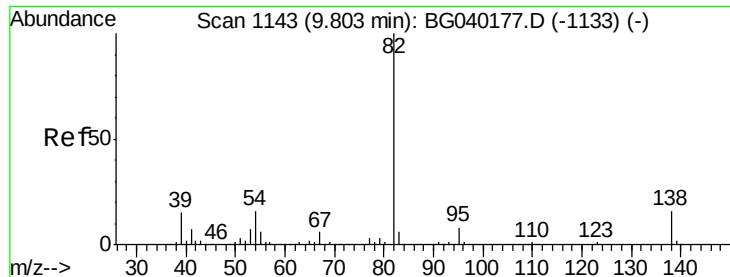
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.8	53.8
54	56.2	46.2	69.2



#24
 Nitrobenzene
 Concen: 8.343 ng
 RT: 9.29 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.5	37.8	56.6
65	11.8	12.0	18.0#





#25

Isophorone

Concen: 8.313 ng

RT: 9.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

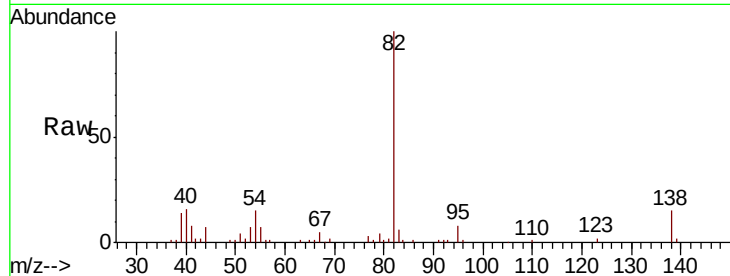
Tgt Ion: 82 Resp: 67879

Ion Ratio Lower Upper

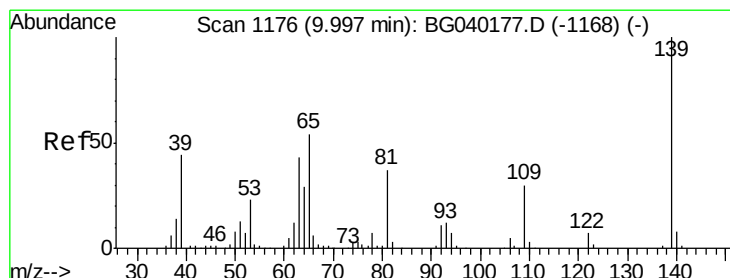
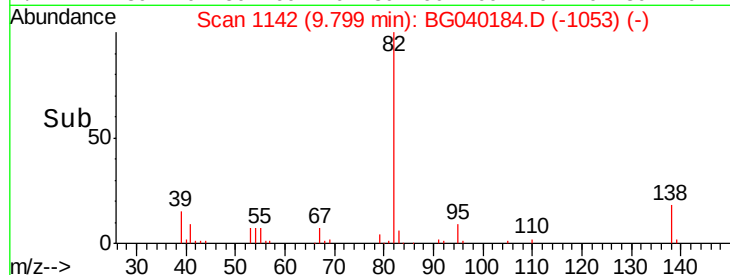
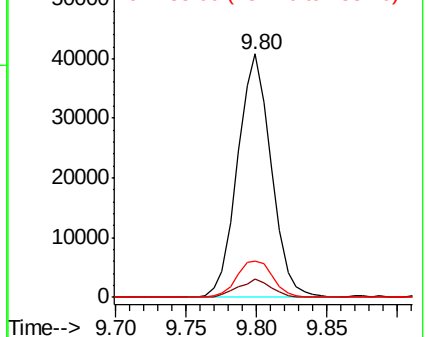
82 100

95 7.6 6.1 9.1

138 15.0 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: 7.795 ng

RT: 9.99 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

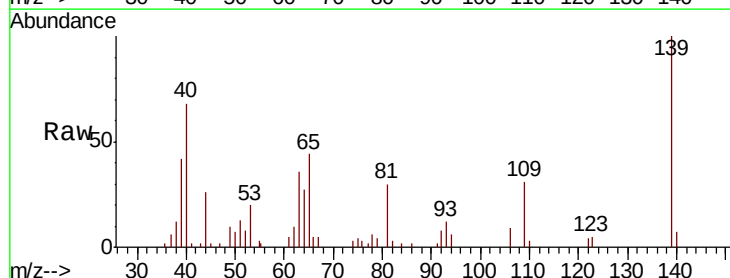
Tgt Ion: 139 Resp: 15179

Ion Ratio Lower Upper

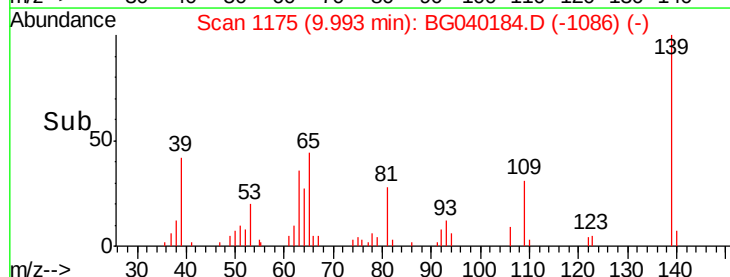
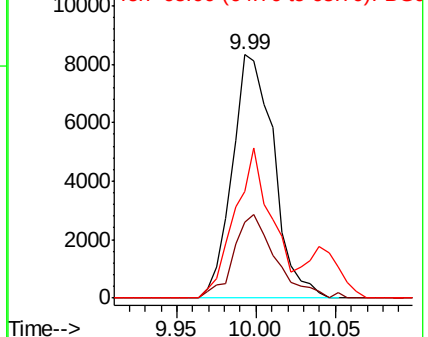
139 100

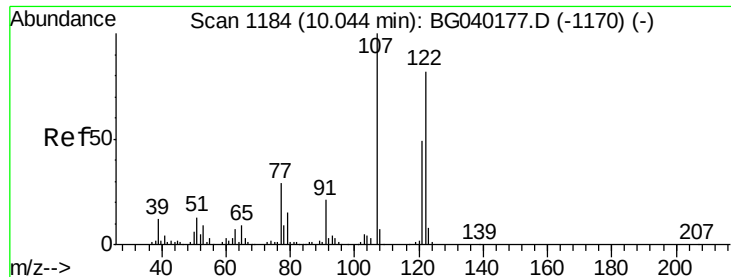
109 31.3 24.1 36.1

65 44.0 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

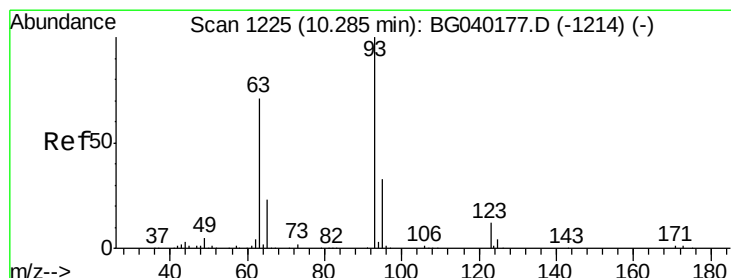
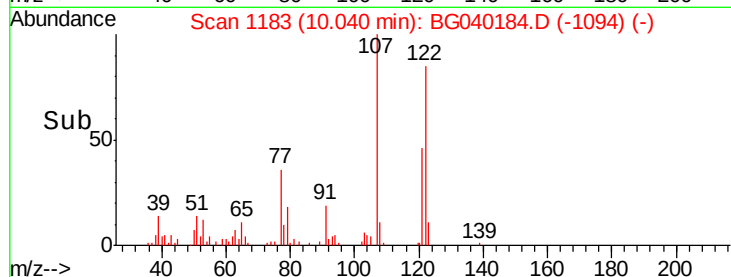
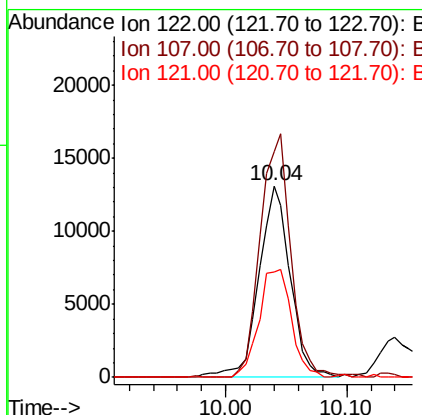
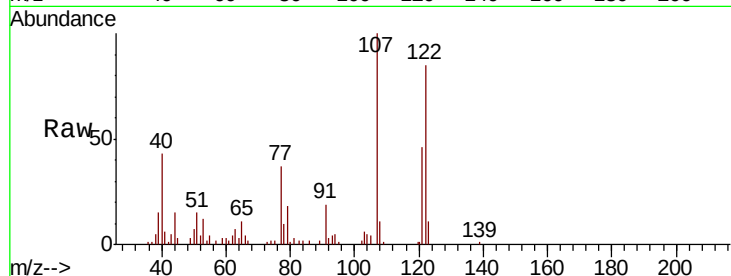




#27
 2,4-Dimethylphenol
 Concen: 7.586 ng
 RT: 10.04 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

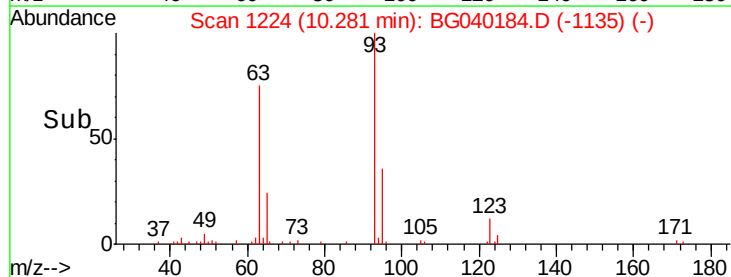
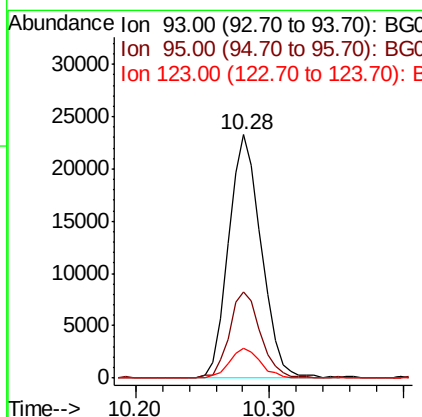
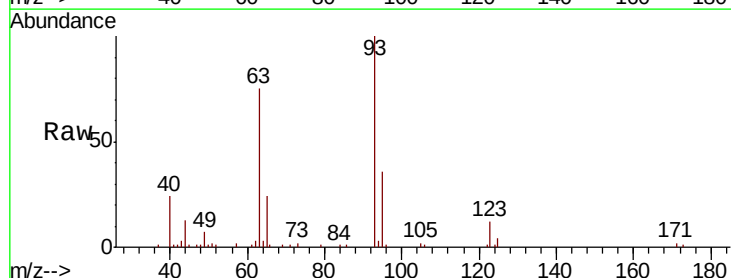
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

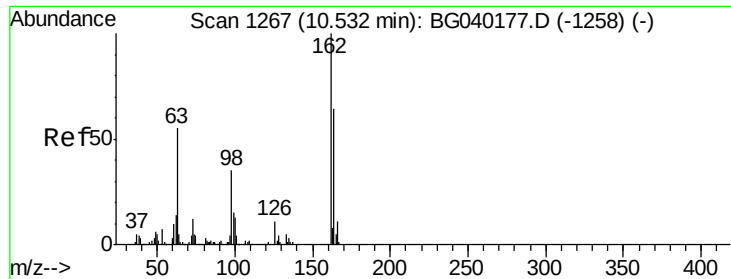
Tgt Ion: 122 Resp: 23462
 Ion Ratio Lower Upper
 122 100
 107 118.1 97.4 146.2
 121 54.9 47.7 71.5



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.204 ng
 RT: 10.28 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion: 93 Resp: 39631
 Ion Ratio Lower Upper
 93 100
 95 35.5 26.2 39.4
 123 12.2 9.4 14.0

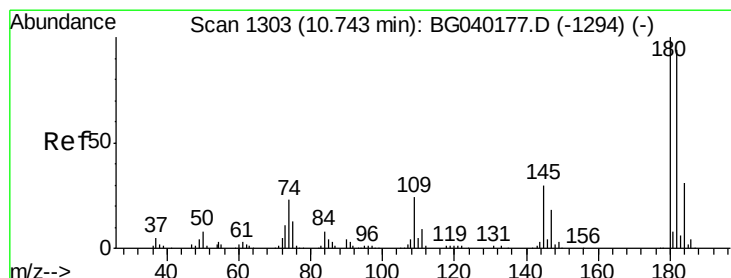
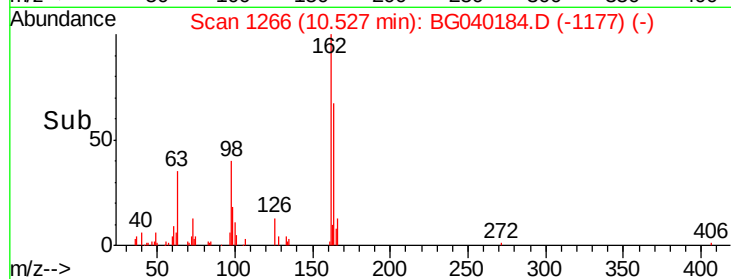
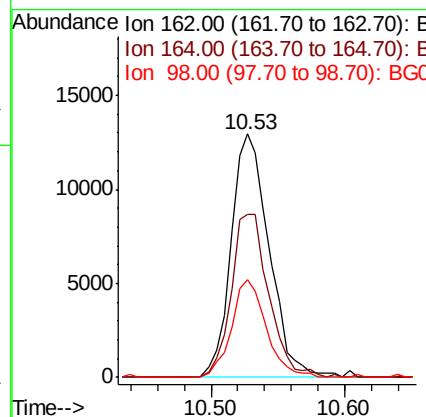
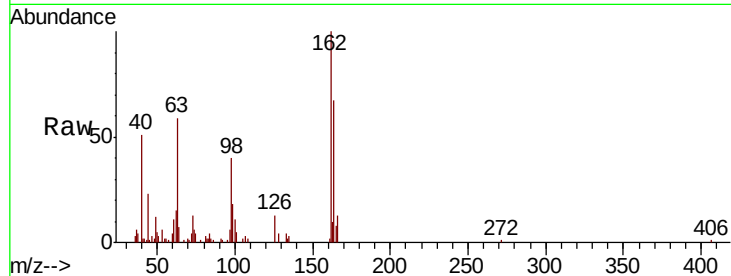




#29
 2,4-Dichlorophenol
 Concen: 7.659 ng
 RT: 10.53 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

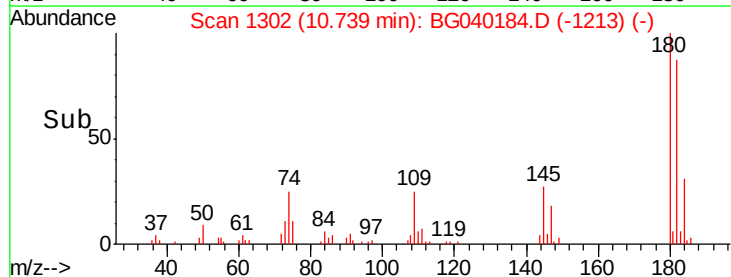
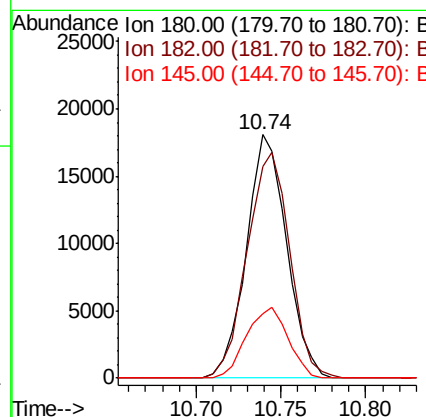
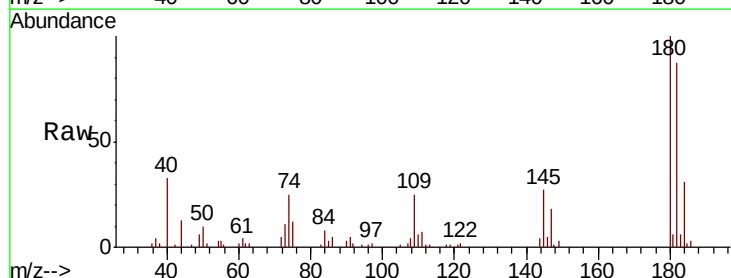
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

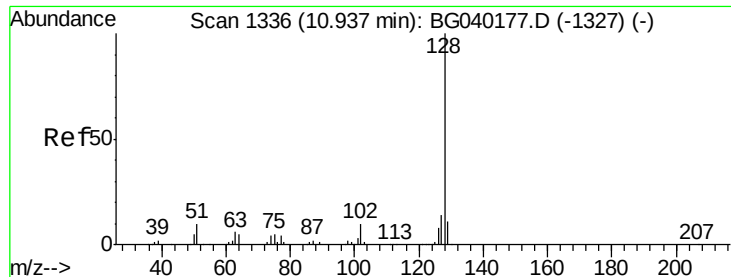
Tgt Ion	Ratio	Lower	Upper
162	100		
164	67.0	43.9	83.9
98	40.2	15.6	55.6



#30
 1,2,4-Trichlorobenzene
 Concen: 8.140 ng
 RT: 10.74 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.0	75.1	112.7
145	26.5	24.1	36.1

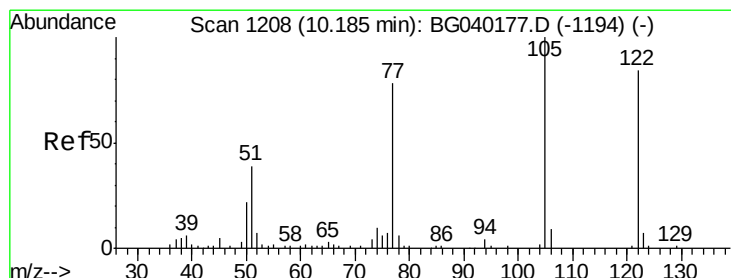
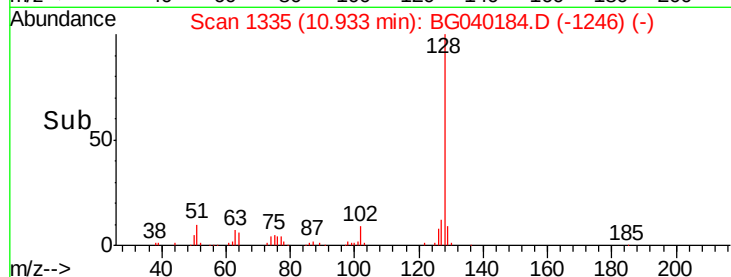
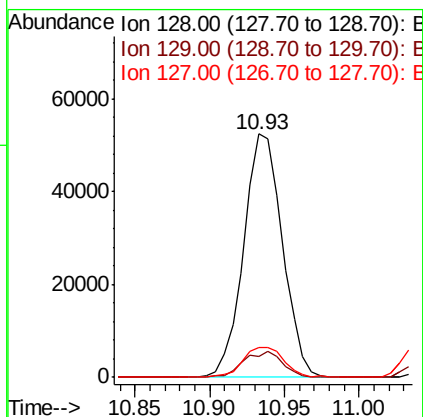
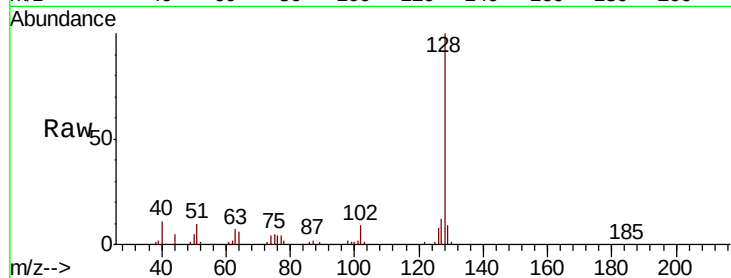




#31
Naphthalene
Concen: 8.698 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

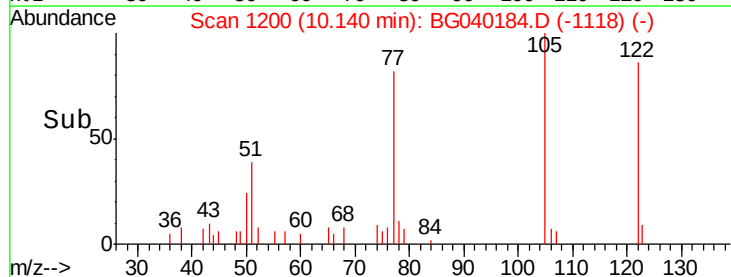
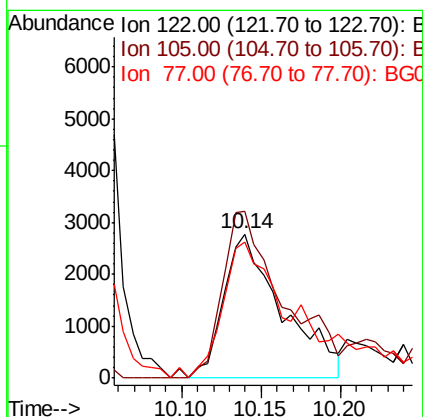
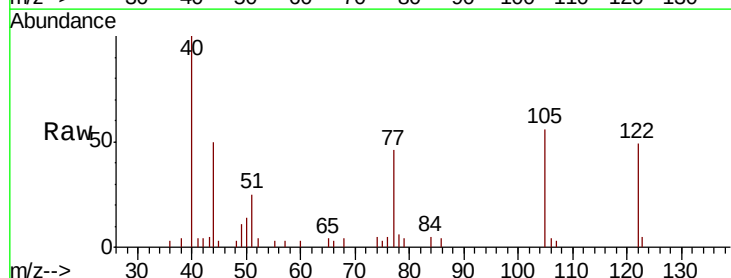
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

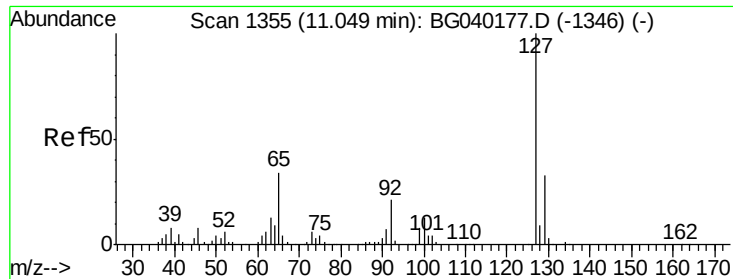
Tgt Ion:128 Resp: 94040
Ion Ratio Lower Upper
128 100
129 8.8 8.9 13.3#
127 12.5 11.4 17.0



#32
Benzoic acid
Concen: 3.829 ng
RT: 10.14 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:122 Resp: 7155
Ion Ratio Lower Upper
122 100
105 115.7 98.2 138.2
77 94.7 73.6 113.6

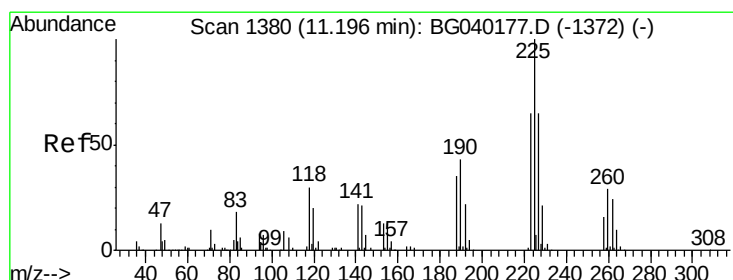
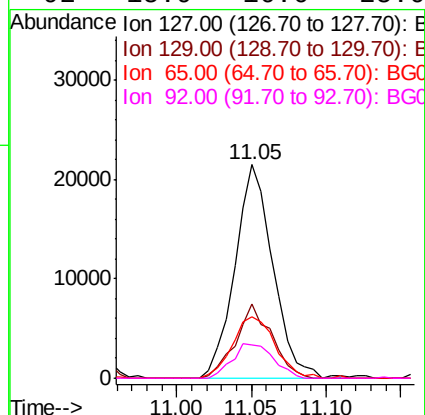
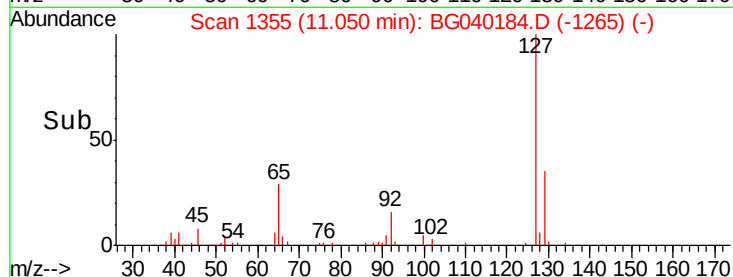
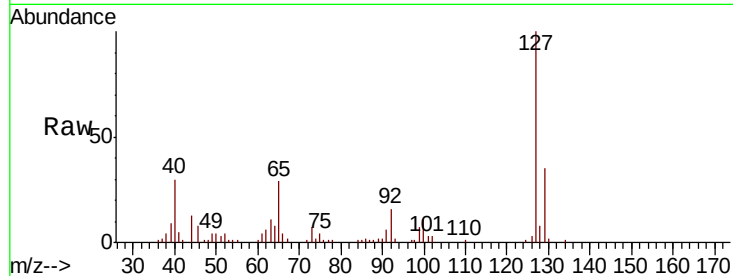




#33
4-Chloroaniline
Concen: 8.245 ng
RT: 11.05 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

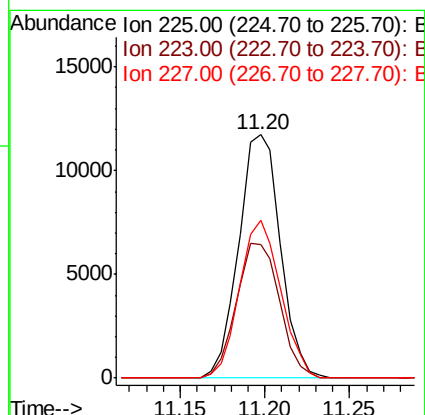
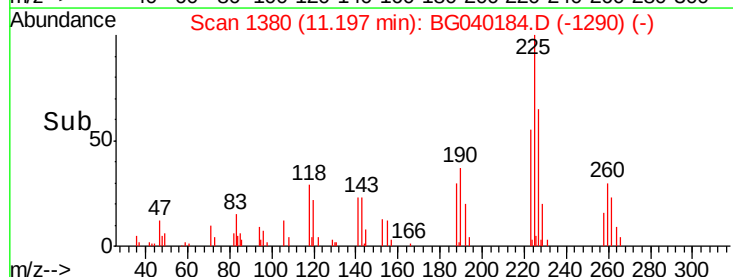
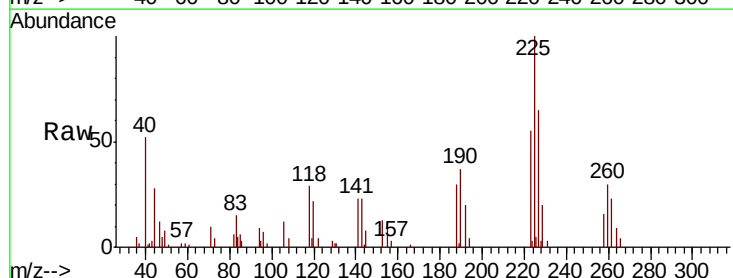
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

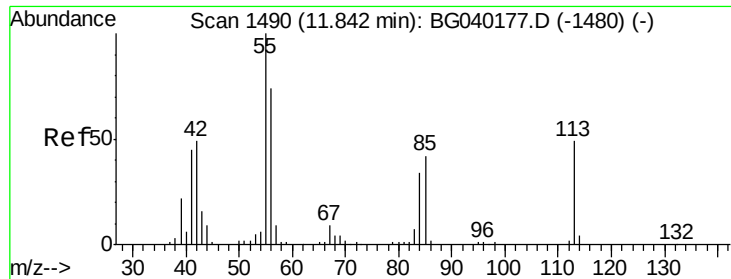
Tgt Ion:	127	Resp:	38024
Ion	Ratio	Lower	Upper
127	100		
129	34.8	26.6	40.0
65	28.6	27.0	40.4
92	15.9	16.6	25.0#



#34
Hexachlorobutadiene
Concen: 8.557 ng
RT: 11.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:	225	Resp:	20173
Ion	Ratio	Lower	Upper
225	100		
223	57.5	51.8	77.8
227	64.7	54.9	82.3





#35

Caprolactam

Concen: 7.694 ng

RT: 11.81 min Scan# 1485

Delta R.T. -0.03 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

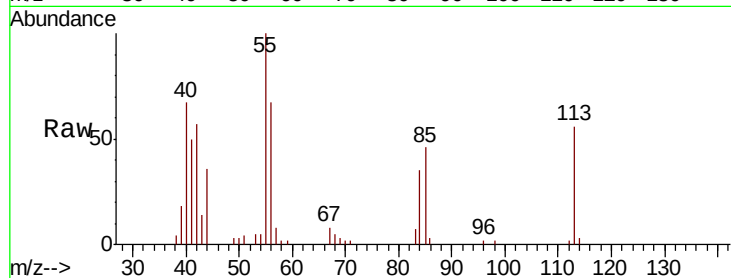
Tgt Ion:113 Resp: 10250

Ion Ratio Lower Upper

113 100

55 178.6 184.2 224.2#

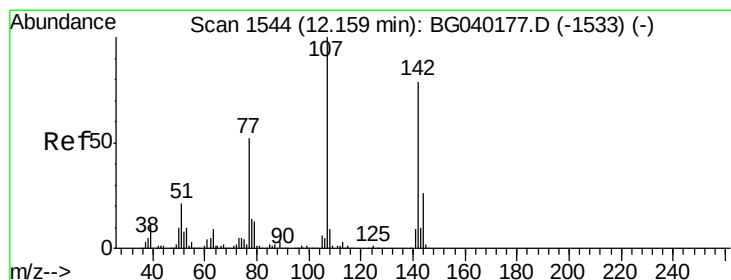
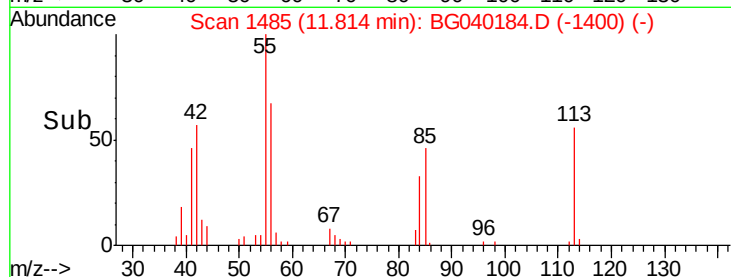
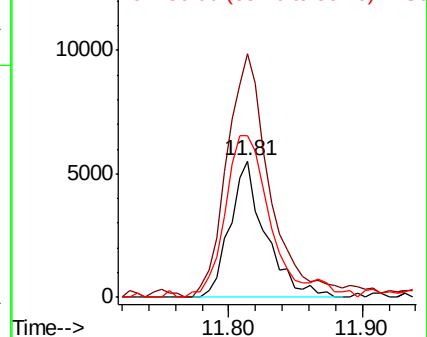
56 118.9 131.3 171.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 7.836 ng

RT: 12.15 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

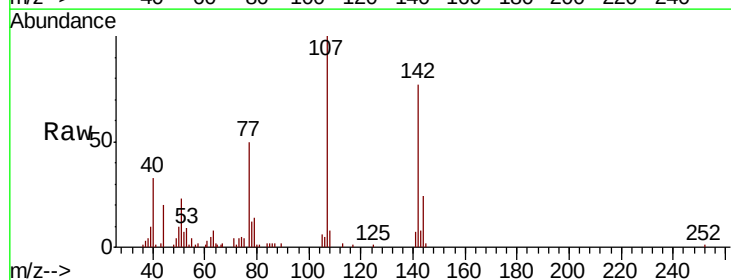
Tgt Ion:107 Resp: 30242

Ion Ratio Lower Upper

107 100

144 24.2 20.5 30.7

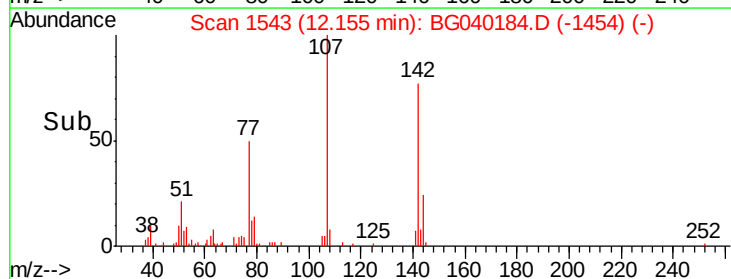
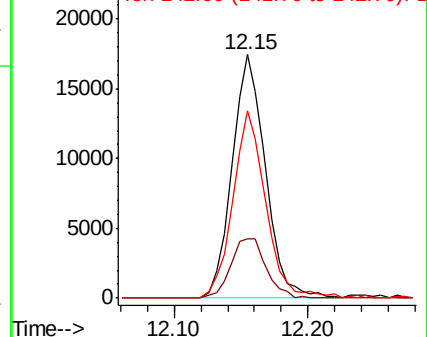
142 76.7 63.1 94.7

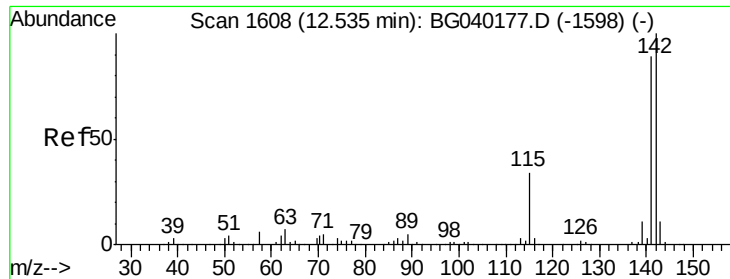


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

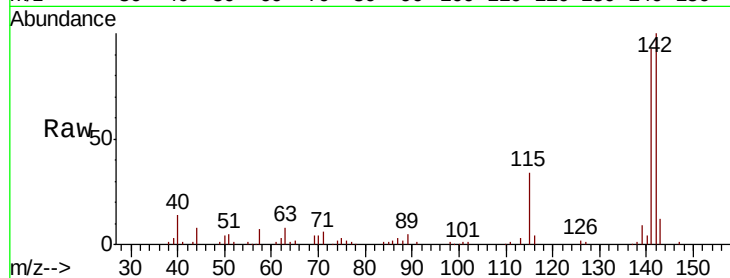




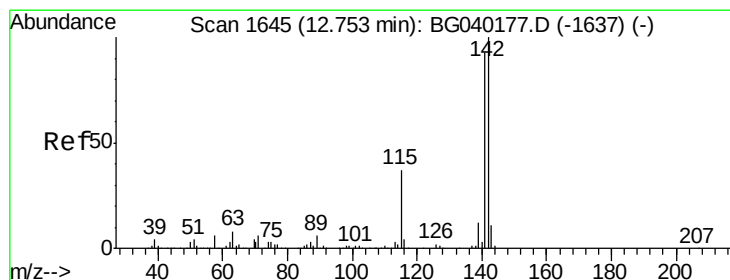
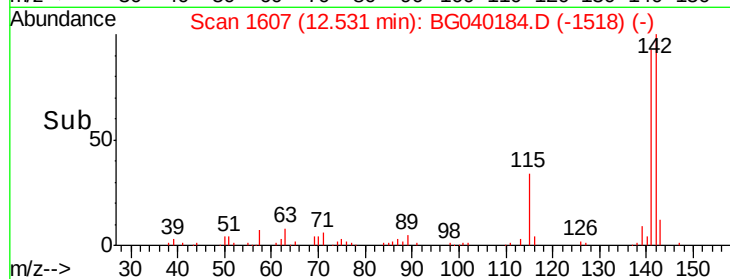
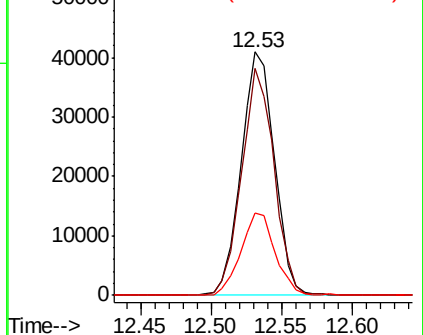
#37
 2-Methylnaphthalene
 Concen: 8.456 ng
 RT: 12.53 min Scan# 1607
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

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

Tgt Ion:142 Resp: 67616
 Ion Ratio Lower Upper
 142 100
 141 93.2 71.0 106.6
 115 33.8 27.3 40.9

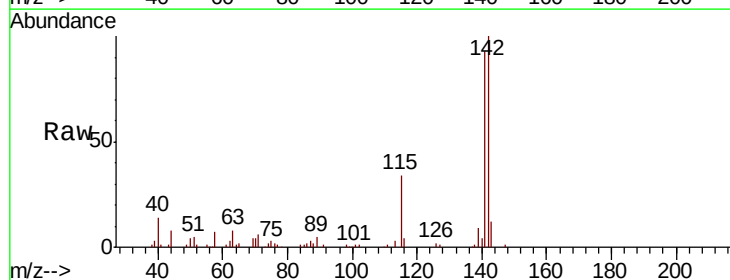


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

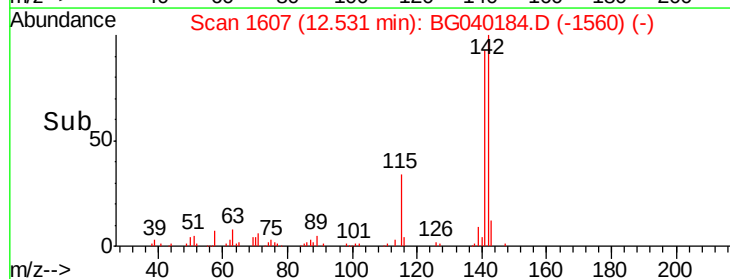
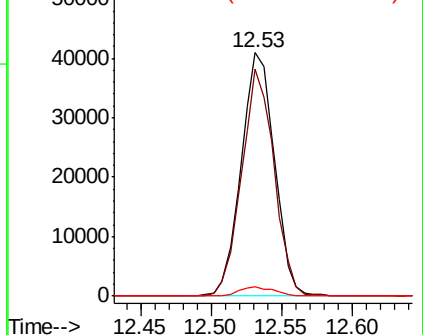


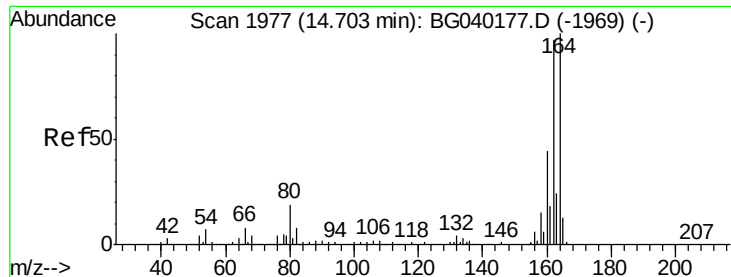
#38
 1-Methylnaphthalene
 Concen: 8.720 ng
 RT: 12.53 min Scan# 1607
 Delta R.T. -0.22 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion:142 Resp: 67616
 Ion Ratio Lower Upper
 142 100
 141 93.2 74.2 111.4
 116 3.6 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. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

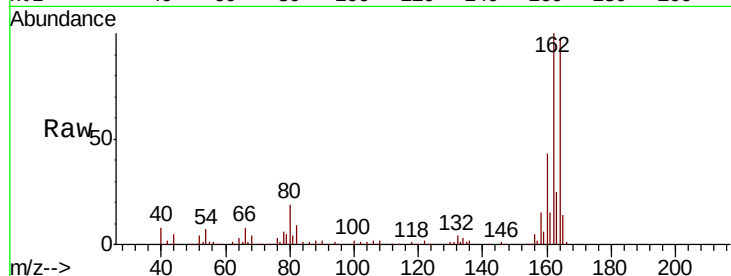
Tgt Ion:164 Resp: 128962

Ion Ratio Lower Upper

164 100

162 102.9 77.4 116.2

160 44.5 35.3 52.9

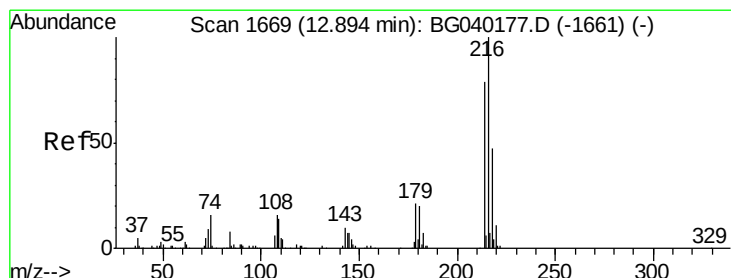
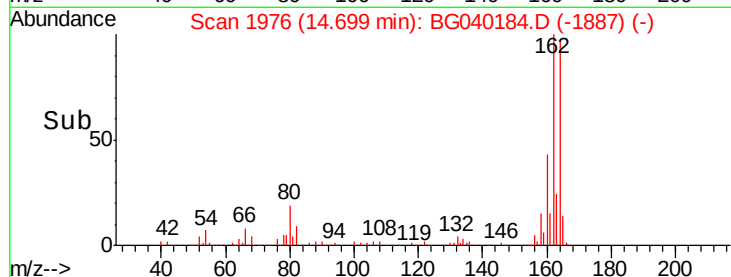
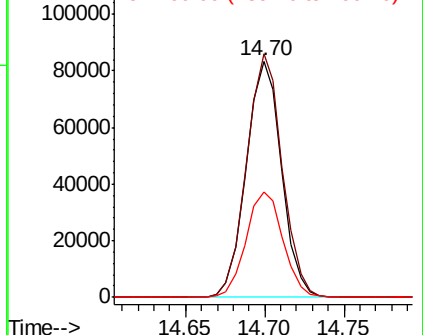


Abundance

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: 8.617 ng

RT: 12.90 min Scan# 1669

Delta R.T. 0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Tgt Ion:216 Resp: 35321

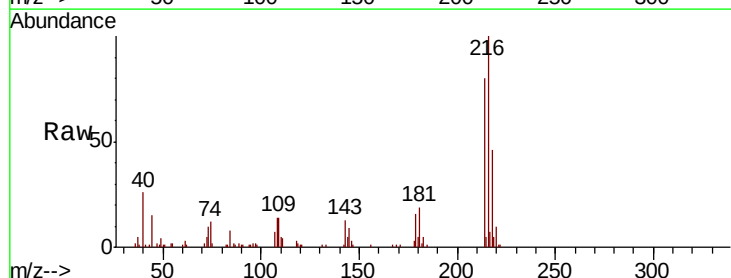
Ion Ratio Lower Upper

216 100

214 80.2 63.5 95.3

179 21.0 16.6 25.0

108 17.1 13.8 20.8



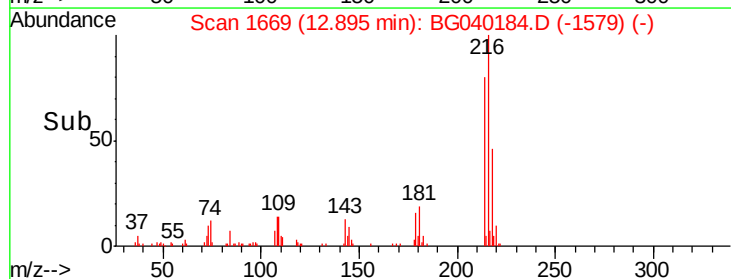
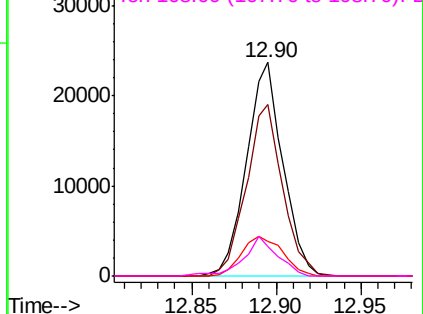
Abundance

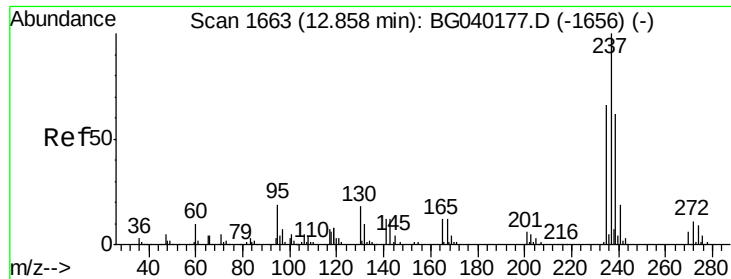
Ion 216.00 (215.70 to 216.70): E

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: 6.729 ng

RT: 12.86 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

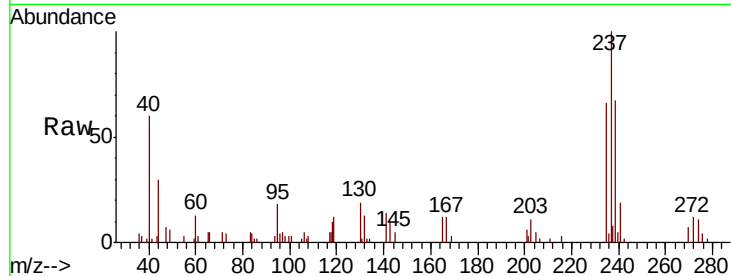
Tgt Ion: 237 Resp: 15144

Ion Ratio Lower Upper

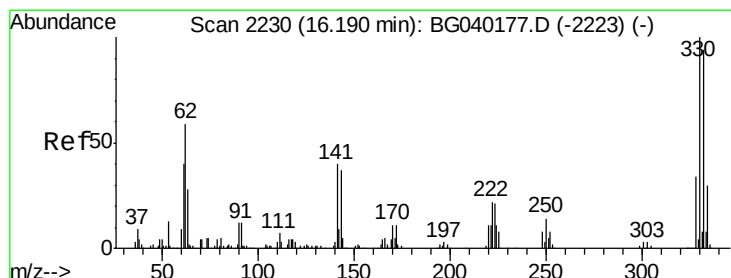
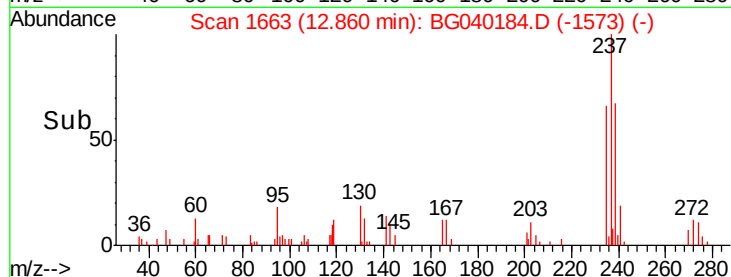
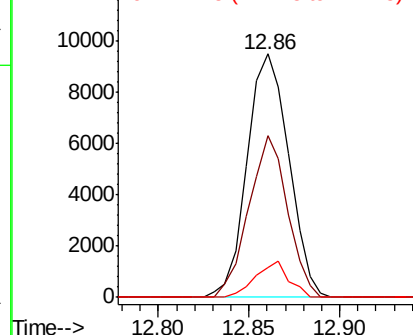
237 100

235 66.3 46.2 86.2

272 12.5 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: 134.302 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

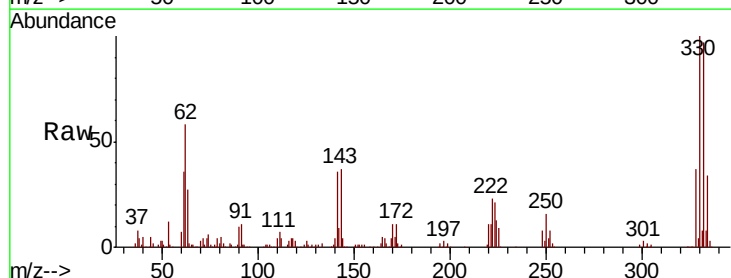
Tgt Ion: 330 Resp: 187182

Ion Ratio Lower Upper

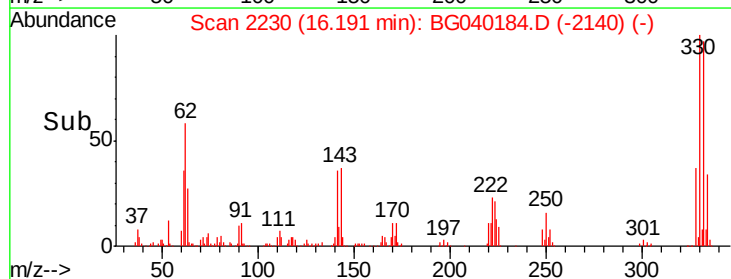
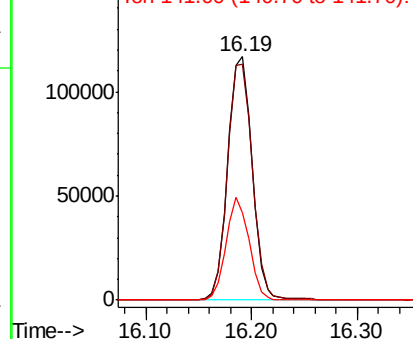
330 100

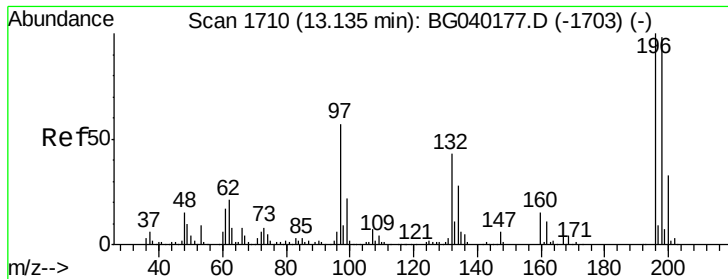
332 99.4 76.6 115.0

141 40.0 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

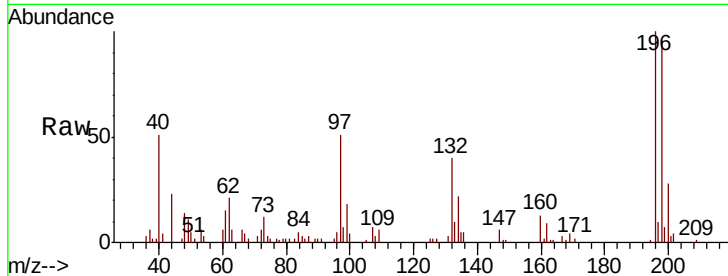




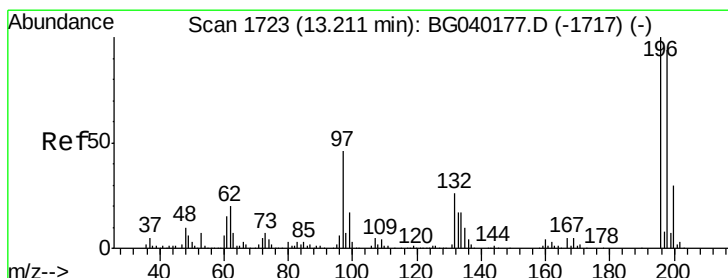
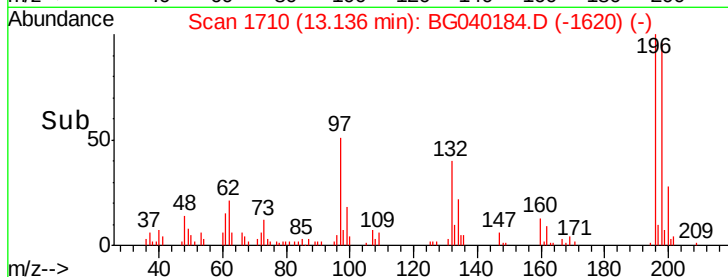
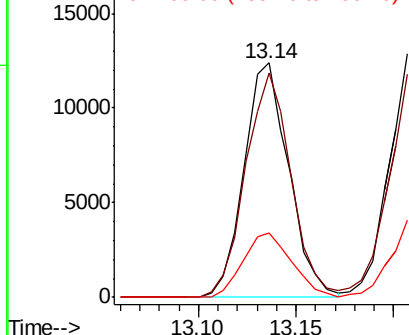
#43
 2,4,6-Trichlorophenol
 Concen: 7.447 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

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

Tgt Ion:196 Resp: 19679
 Ion Ratio Lower Upper
 196 100
 198 95.9 78.3 117.5
 200 27.6 26.0 39.0



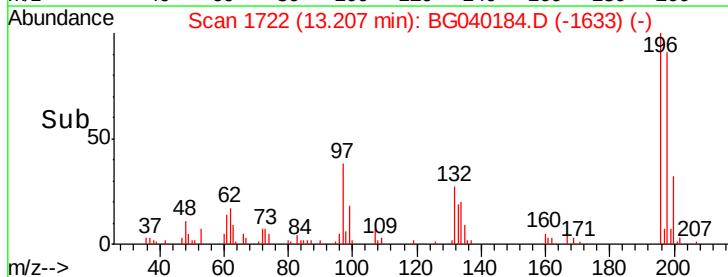
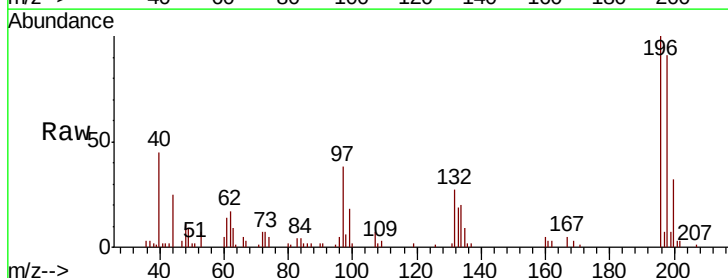
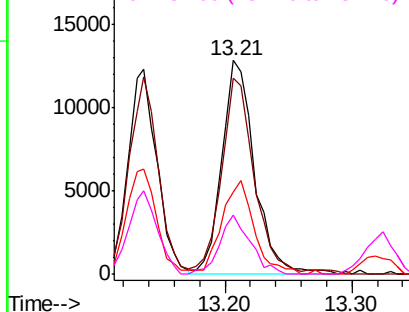
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

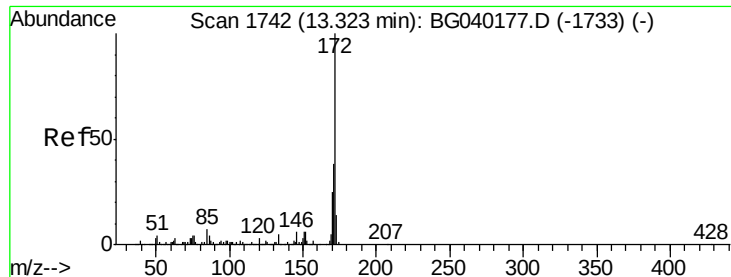


#44
 2,4,5-Trichlorophenol
 Concen: 7.976 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion:196 Resp: 22975
 Ion Ratio Lower Upper
 196 100
 198 91.4 75.0 112.6
 97 38.2 37.3 55.9
 132 27.3 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

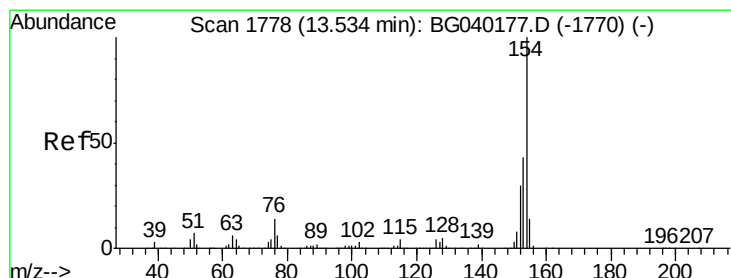
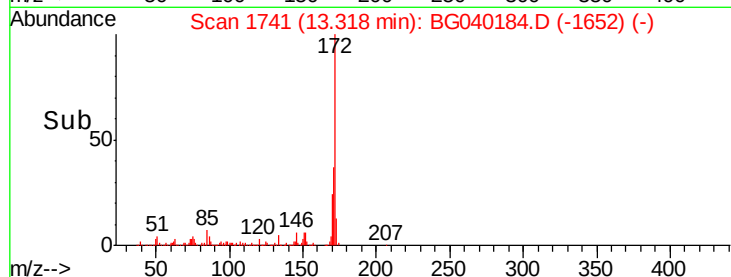
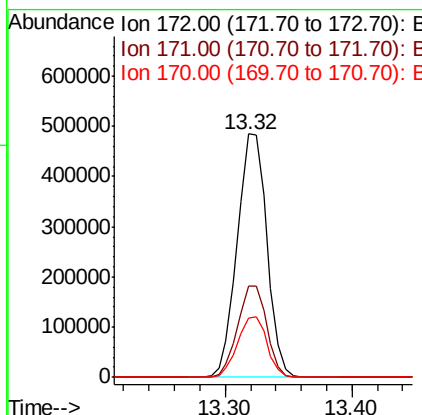
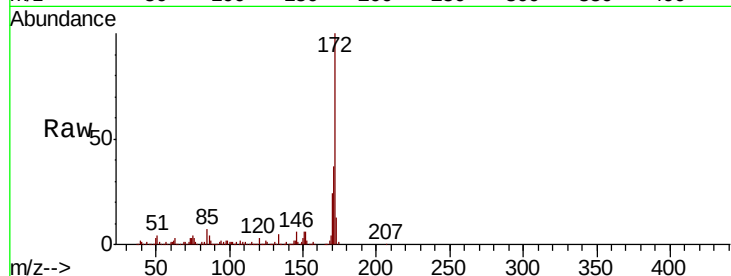




#45
2-Fluorobiphenyl
Concen: 90.209 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

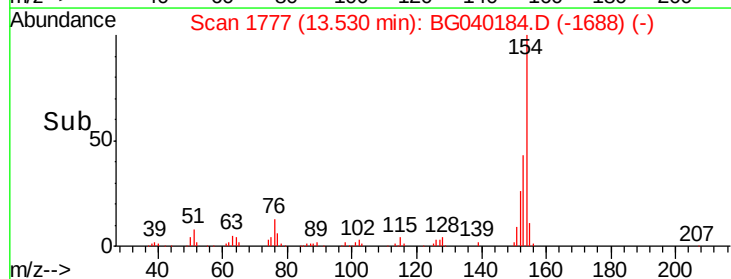
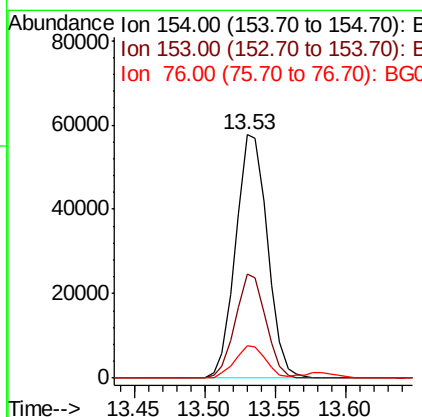
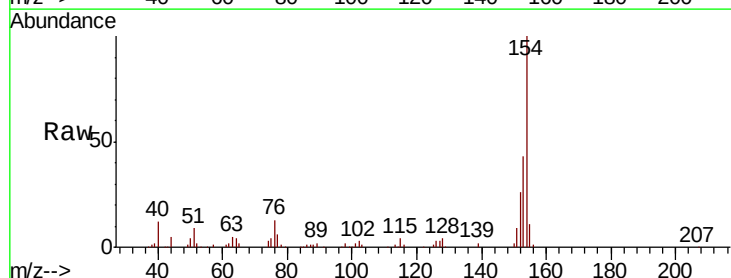
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

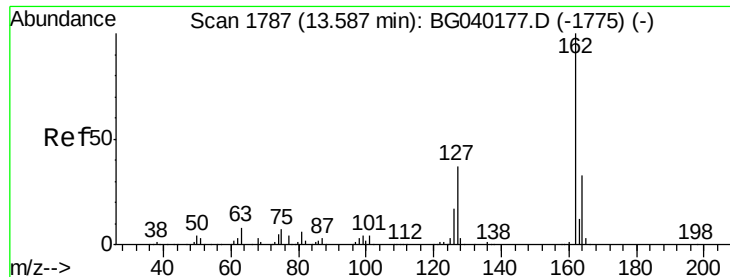
Tgt Ion:172 Resp: 785111
Ion Ratio Lower Upper
172 100
171 37.3 30.5 45.7
170 24.4 20.1 30.1



#46
1,1'-Biphenyl
Concen: 8.888 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:154 Resp: 90568
Ion Ratio Lower Upper
154 100
153 42.5 22.5 62.5
76 13.5 0.0 33.7

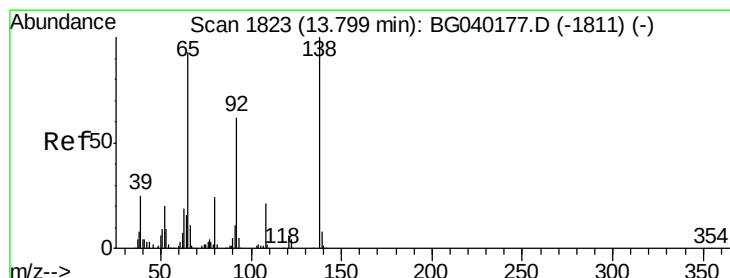
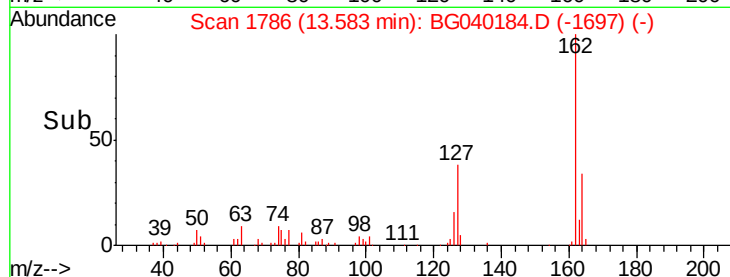
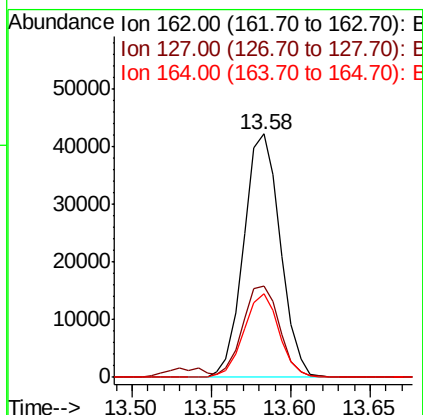
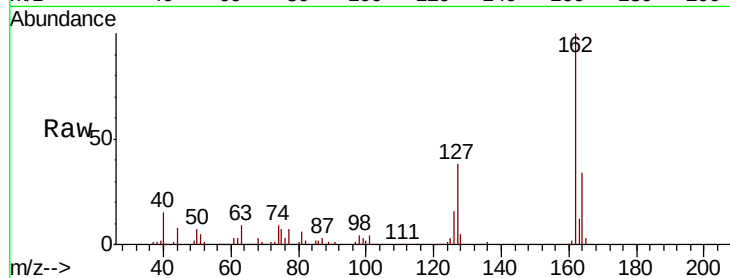




#47
 2-Chloronaphthalene
 Concen: 8.644 ng
 RT: 13.58 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

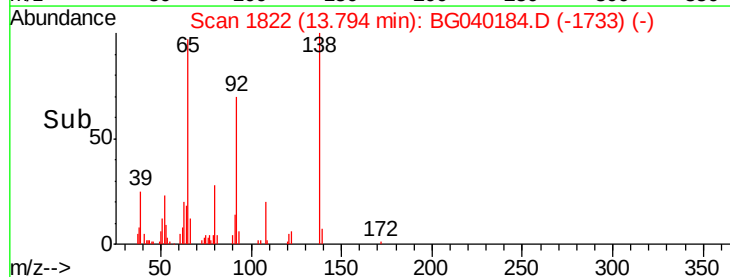
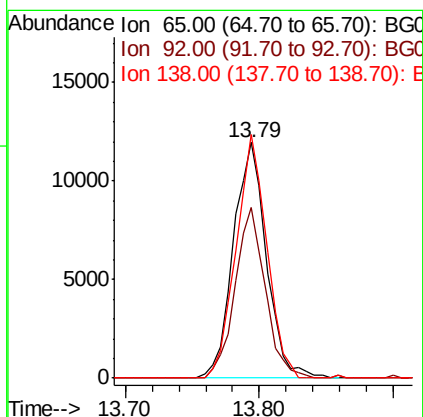
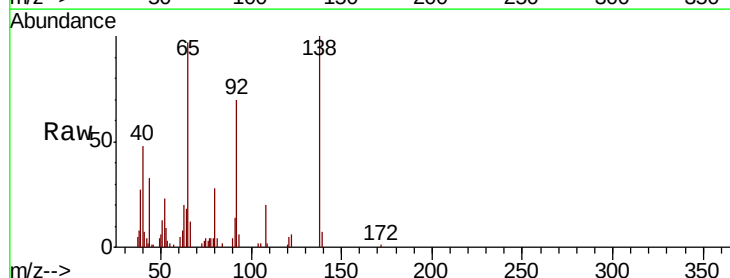
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

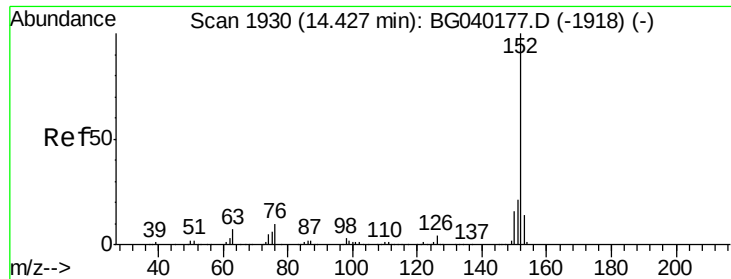
Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.7	30.6	45.8
164	34.4	26.2	39.4



#48
 2-Nitroaniline
 Concen: 7.792 ng
 RT: 13.79 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.5	53.8	80.6
138	103.4	86.3	129.5





#49

Acenaphthylene

Concen: 8.795 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

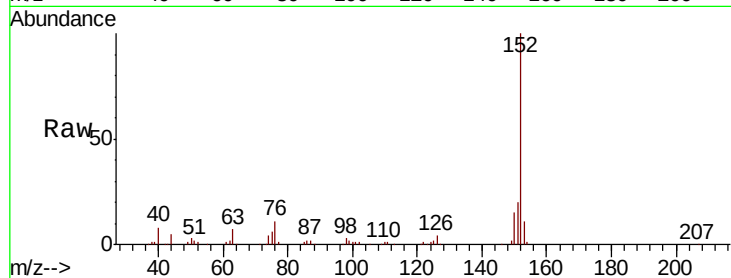
Tgt Ion:152 Resp: 116556

Ion Ratio Lower Upper

152 100

151 20.4 17.0 25.6

153 11.4 10.8 16.2

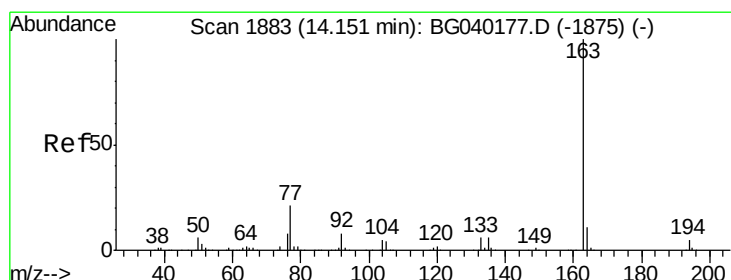
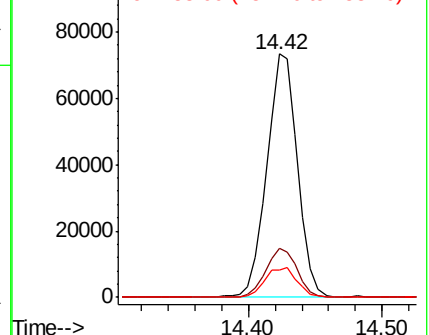
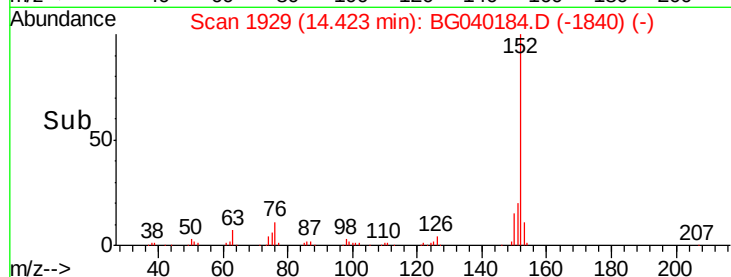


Abundance

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: 8.657 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

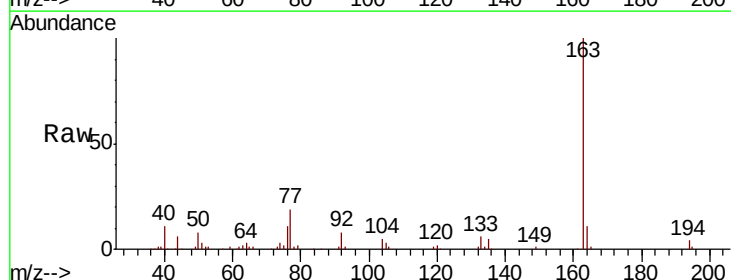
Tgt Ion:163 Resp: 87372

Ion Ratio Lower Upper

163 100

194 4.3 4.1 6.1

164 10.6 8.6 13.0

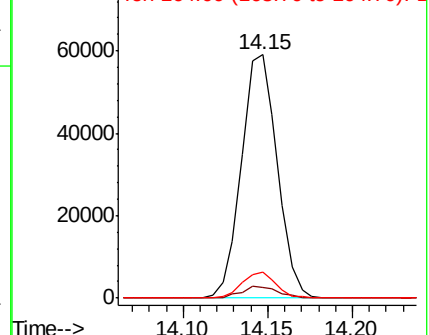
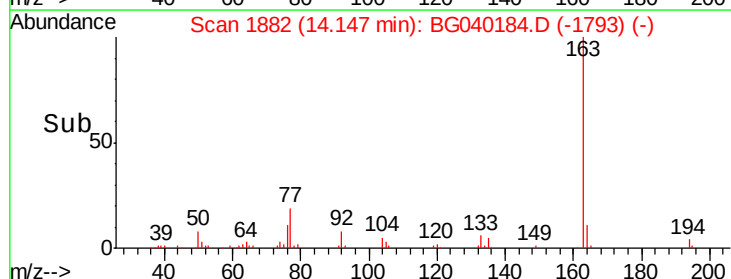


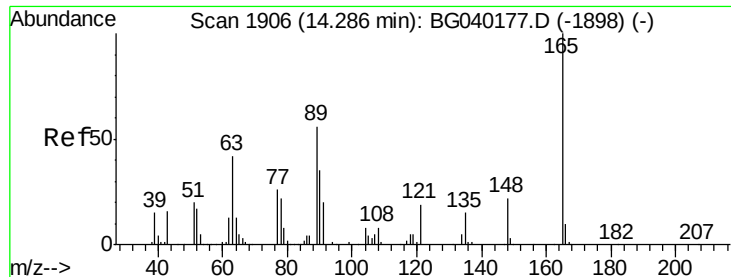
Abundance

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: 8.001 ng

RT: 14.28 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

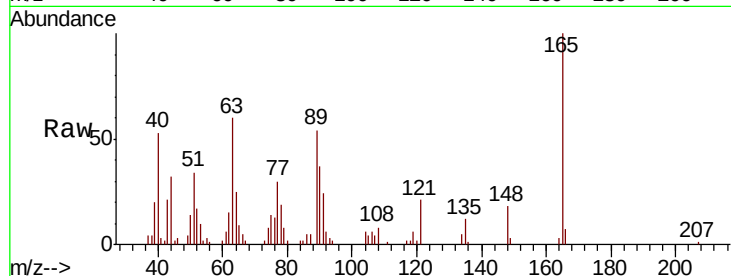
Tgt Ion:165 Resp: 18133

Ion Ratio Lower Upper

165 100

63 60.4 44.1 66.1

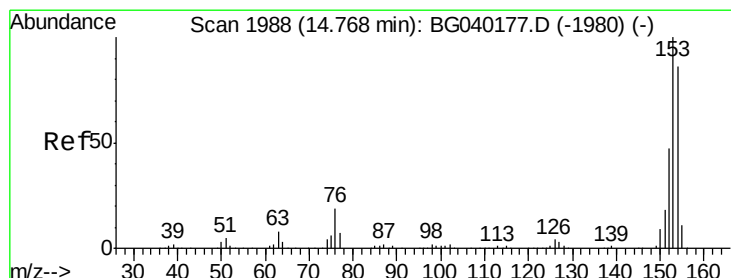
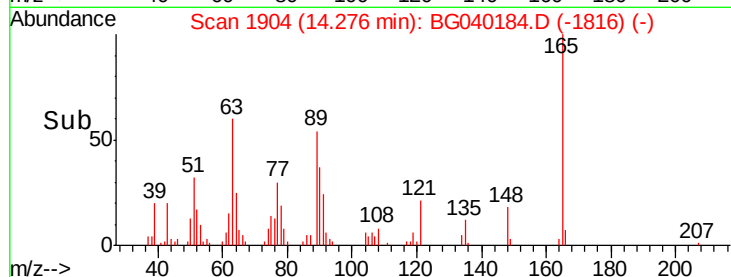
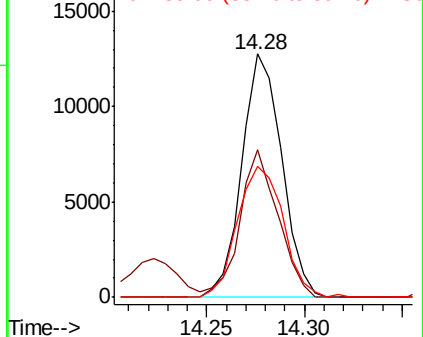
89 53.6 44.9 67.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 8.531 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

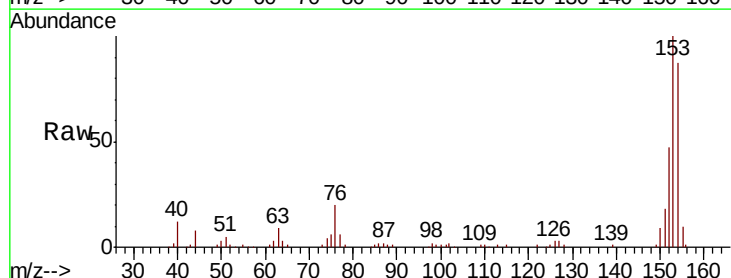
Tgt Ion:154 Resp: 64784

Ion Ratio Lower Upper

154 100

153 115.1 92.8 139.2

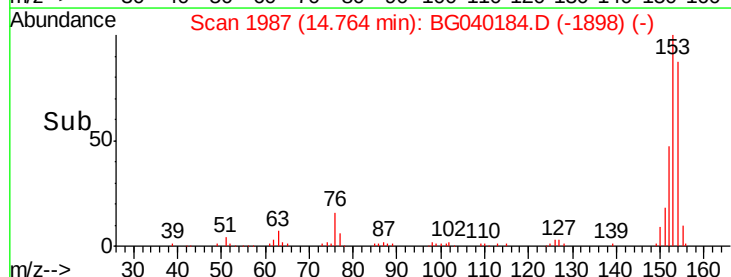
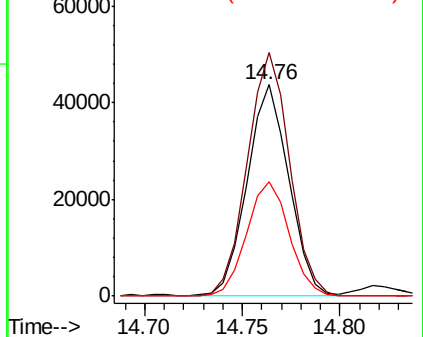
152 54.2 43.4 65.2

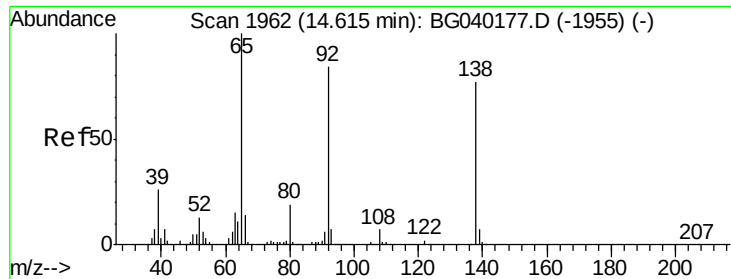


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

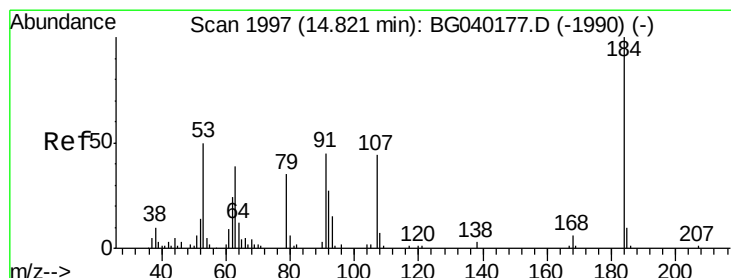
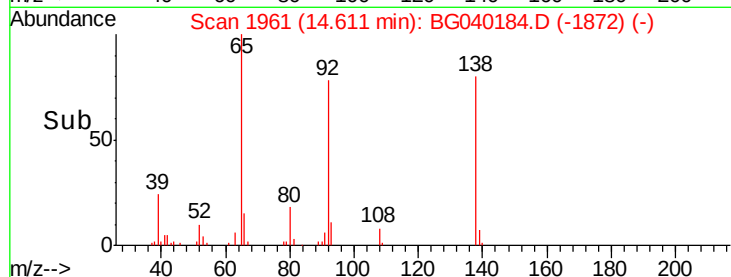
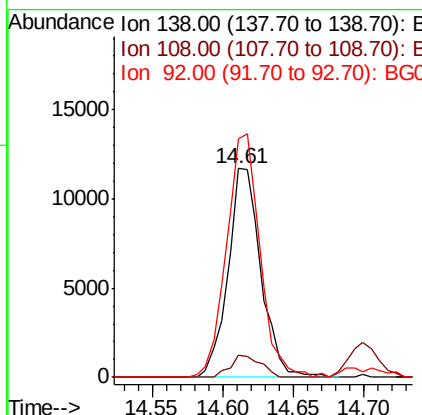
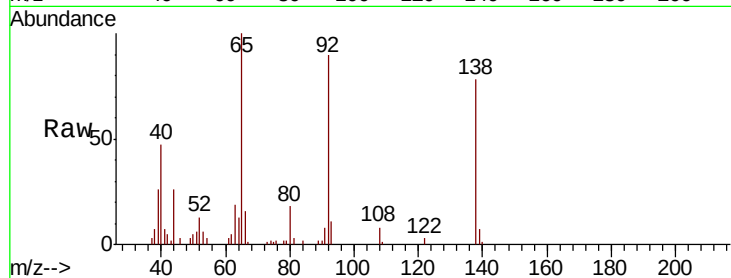




#53
3-Nitroaniline
Concen: 7.939 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

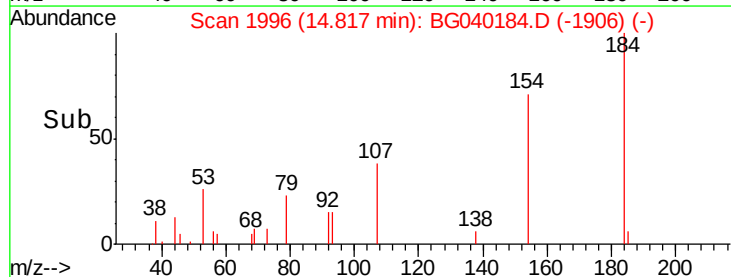
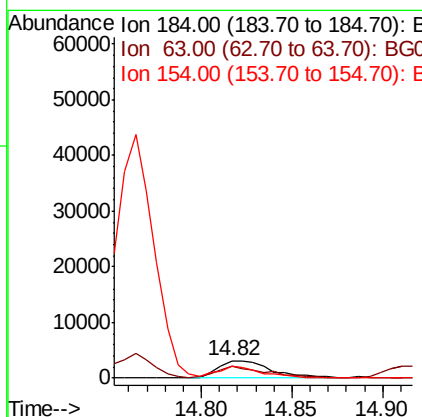
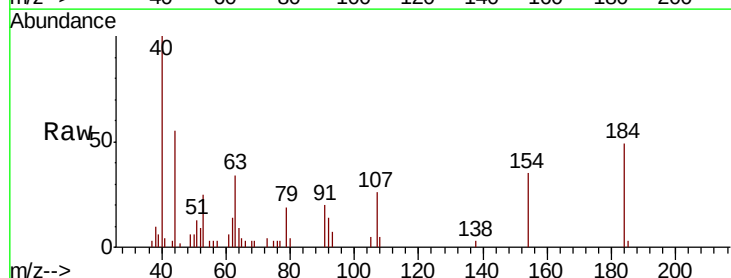
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

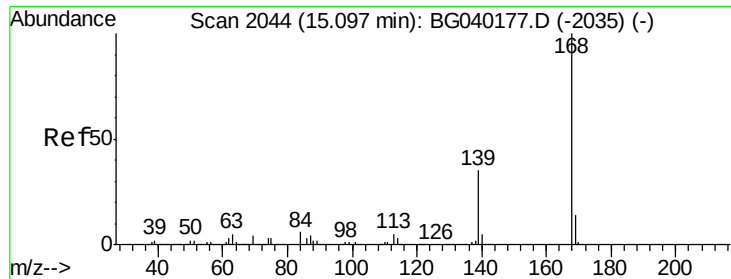
Tgt Ion:138 Resp: 19045
Ion Ratio Lower Upper
138 100
108 10.7 7.8 11.8
92 114.4 87.5 131.3



#54
2,4-Dinitrophenol
Concen: 5.156 ng
RT: 14.82 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:184 Resp: 6214
Ion Ratio Lower Upper
184 100
63 68.7 51.8 77.8
154 71.1 50.9 76.3

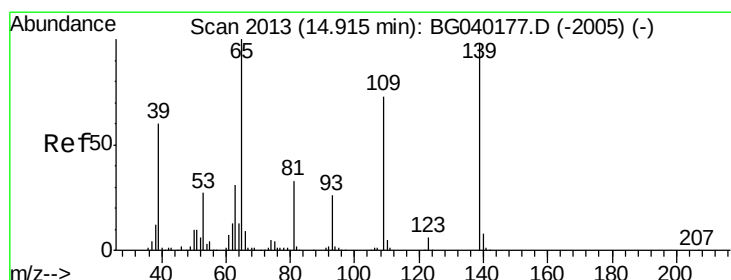
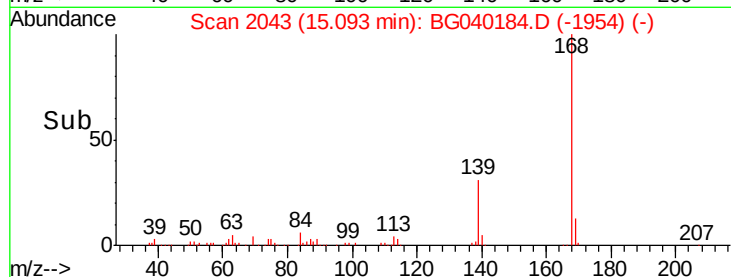
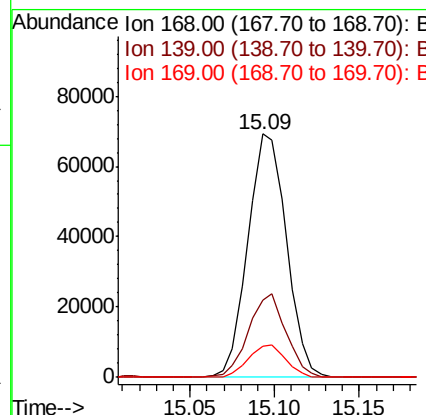
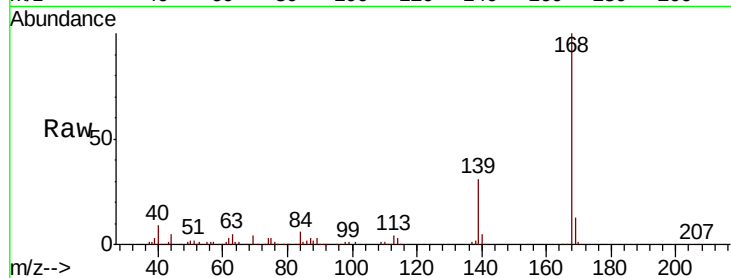




#55
Dibenzenofuran
Concen: 9.022 ng
RT: 15.09 min Scan# 2043
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

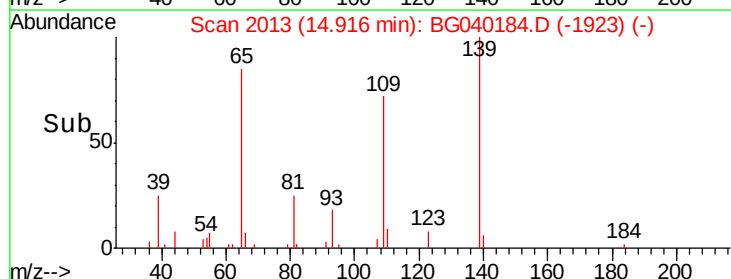
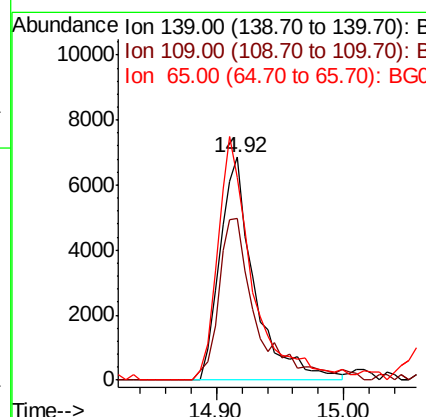
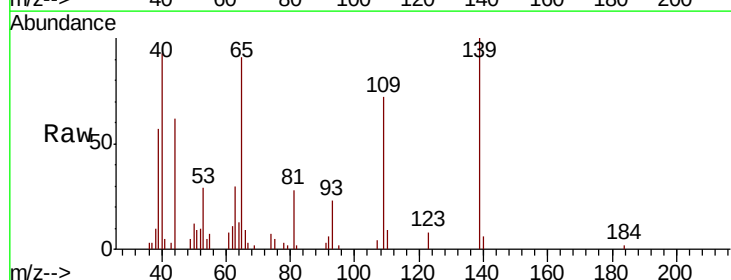
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

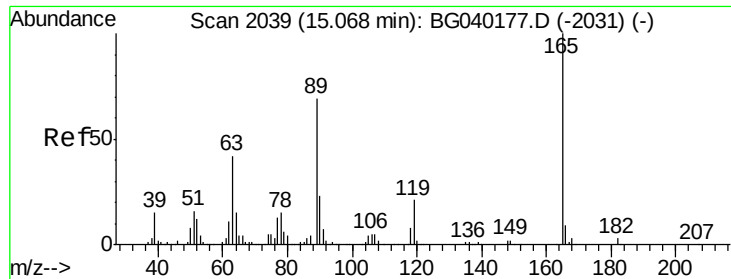
Tgt Ion:168 Resp: 110090
Ion Ratio Lower Upper
168 100
139 31.5 27.9 41.9
169 12.6 11.3 16.9



#56
4-Nitrophenol
Concen: 6.700 ng
RT: 14.92 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:139 Resp: 12972
Ion Ratio Lower Upper
139 100
109 72.4 54.3 94.3
65 90.9 82.5 122.5

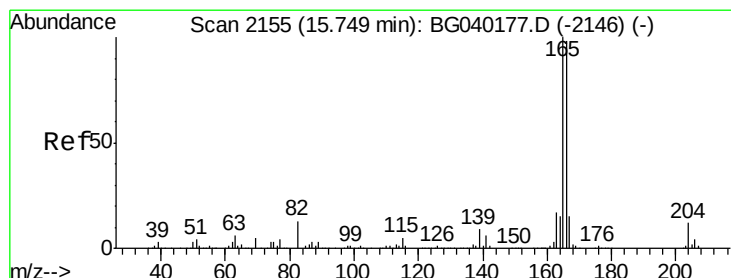
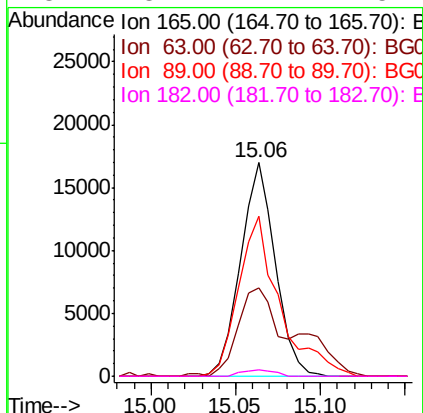
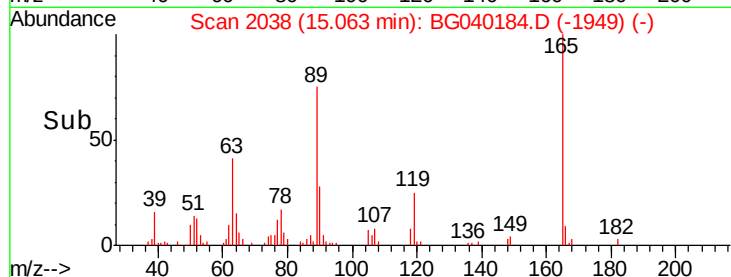
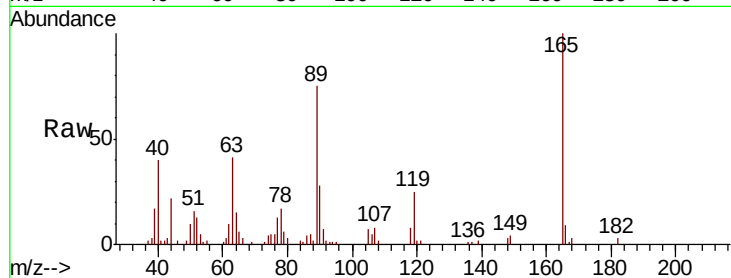




#57
2,4-Dinitrotoluene
Concen: 7.706 ng
RT: 15.06 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

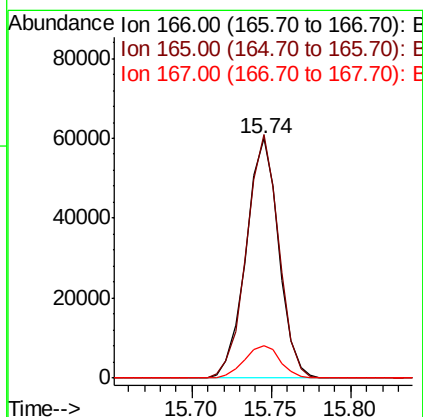
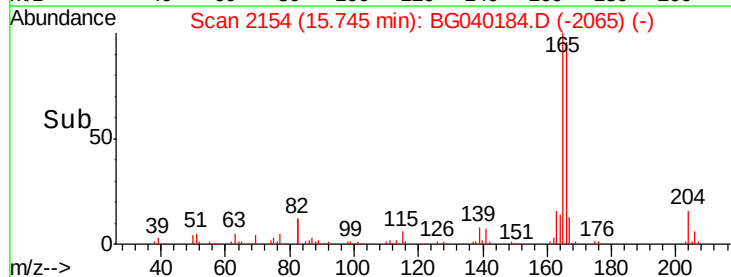
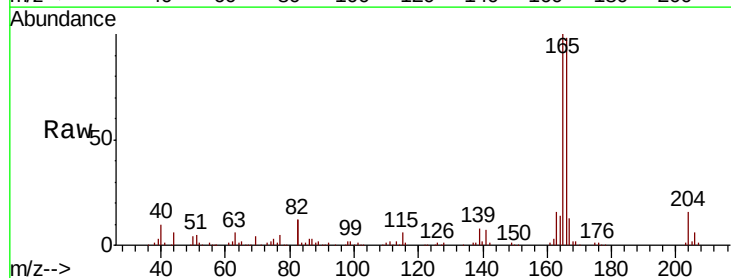
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

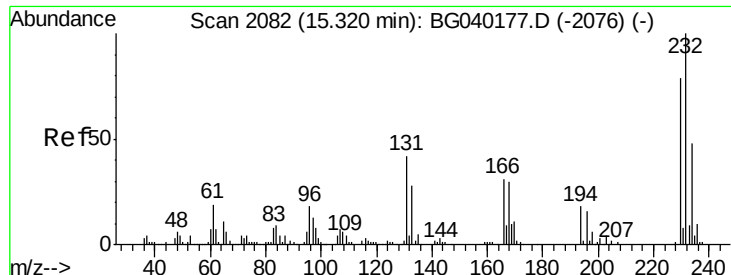
Tgt Ion:165 Resp: 24267
Ion Ratio Lower Upper
165 100
63 41.3 33.8 50.6
89 75.2 55.4 83.2
182 3.2 2.2 3.4



#58
Fluorene
Concen: 8.941 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:166 Resp: 85770
Ion Ratio Lower Upper
166 100
165 101.7 81.7 122.5
167 13.7 11.9 17.9

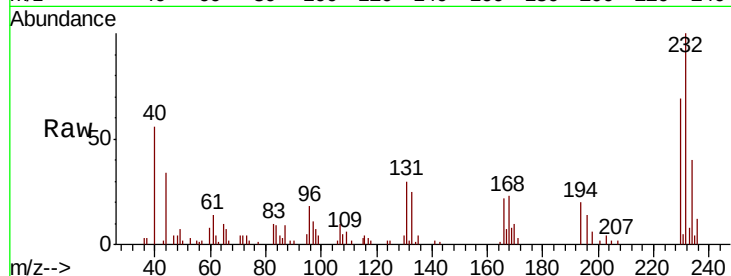




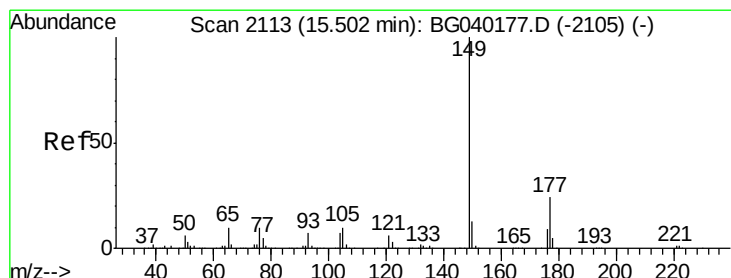
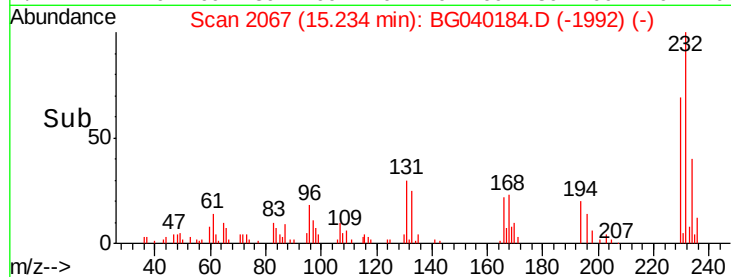
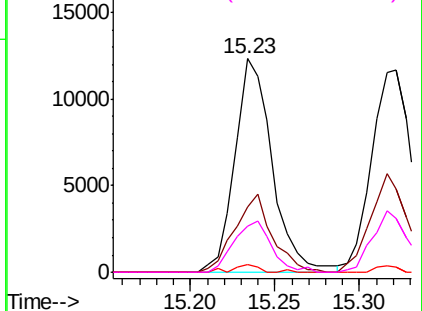
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.301 ng
RT: 15.23 min Scan# 2067
Delta R.T. -0.09 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

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

Tgt Ion:	232	Resp:	19083
Ion	Ratio	Lower	Upper
232	100		
131	36.1	32.9	49.3
130	2.3	1.8	2.8
166	24.3	23.5	35.3

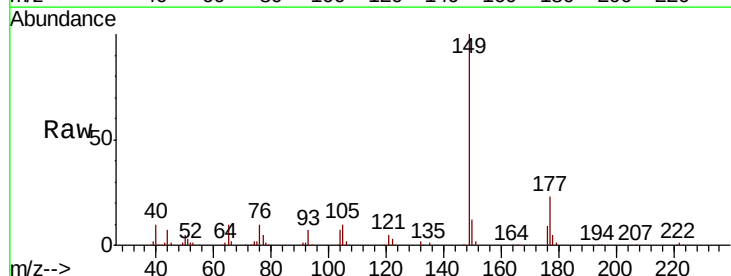


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

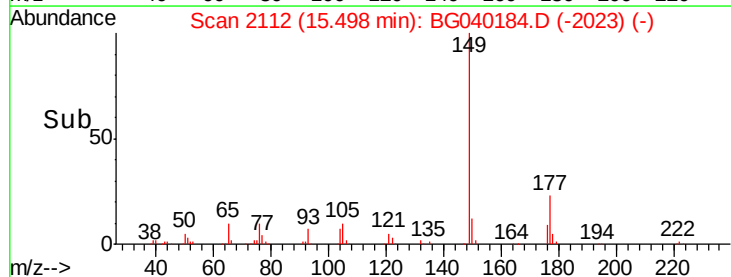
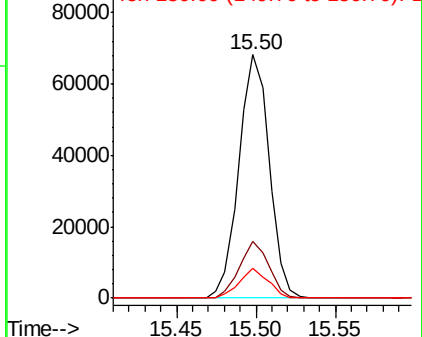


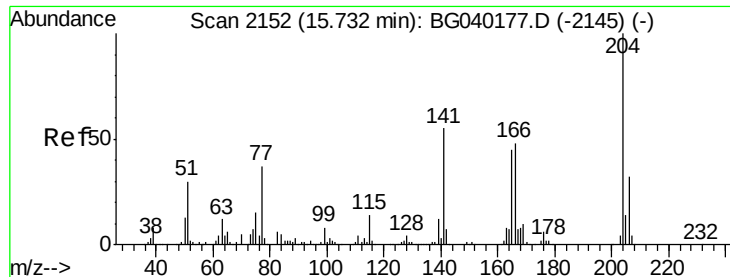
#60
Diethylphthalate
Concen: 8.783 ng
RT: 15.50 min Scan# 2112
Delta R.T. -0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:	149	Resp:	90715
Ion	Ratio	Lower	Upper
149	100		
177	23.4	19.1	28.7
150	12.5	10.6	15.8



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

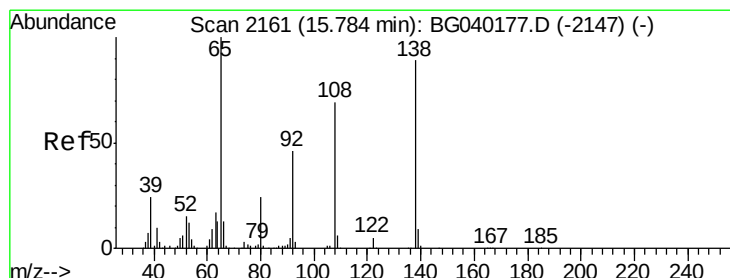
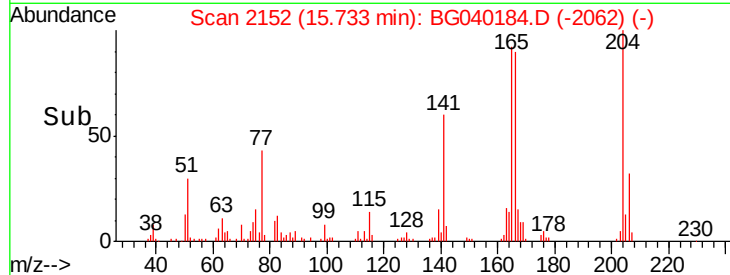
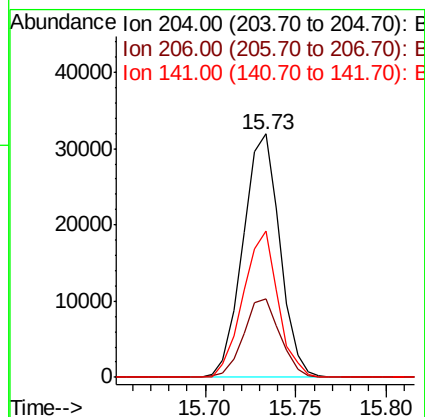
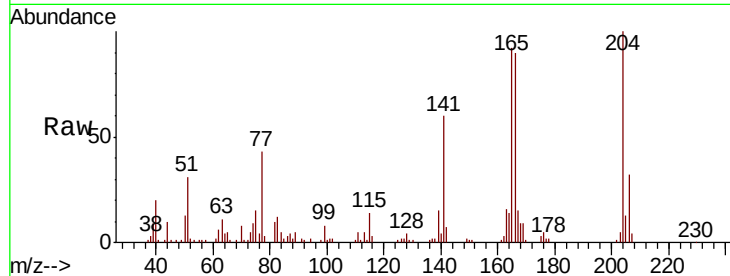




#61
4-Chlorophenyl-phenylether
Concen: 8.785 ng
RT: 15.73 min Scan# 2152
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

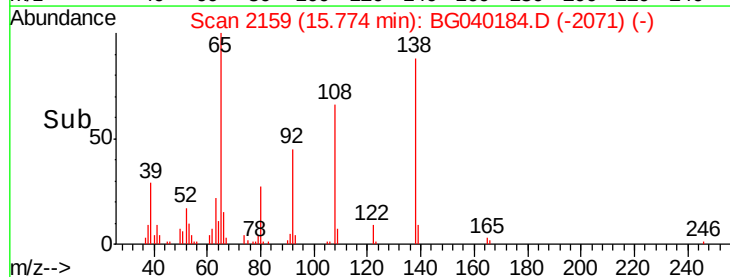
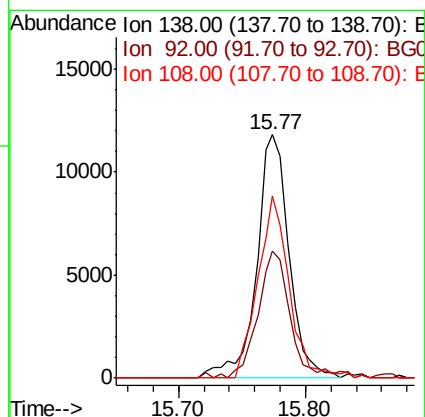
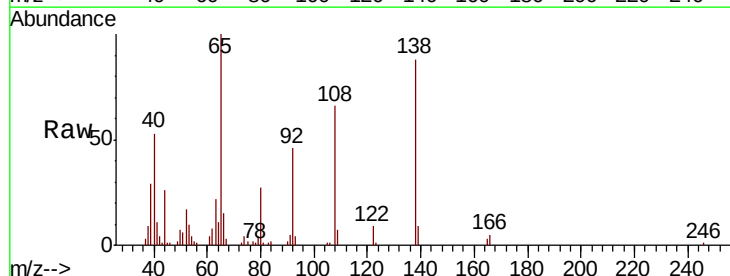
Instrument :
BNA_G
ClientSampleId :
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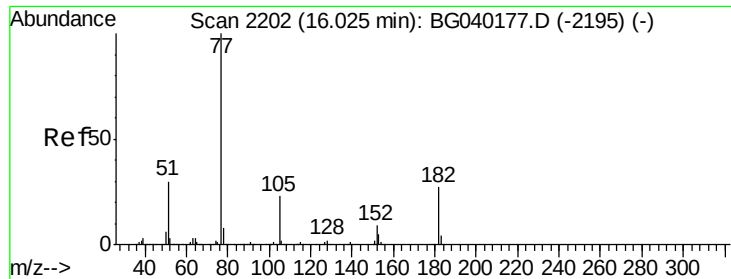
Tgt Ion: 204 Resp: 45048
Ion Ratio Lower Upper
204 100
206 32.1 25.7 38.5
141 60.0 44.0 66.0



#62
4-Nitroaniline
Concen: 8.175 ng
RT: 15.77 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion: 138 Resp: 21047
Ion Ratio Lower Upper
138 100
92 52.1 31.8 71.8
108 74.9 57.2 97.2





#63

Azobenzene

Concen: 8.814 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 77 Resp: 85864

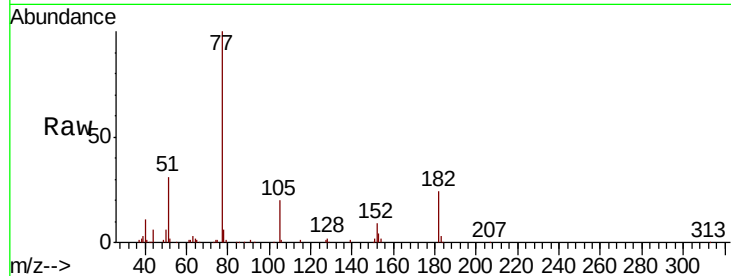
Ion Ratio Lower Upper

77 100

182 24.3 7.2 47.2

105 19.9 2.8 42.8

51 31.3 10.4 50.4

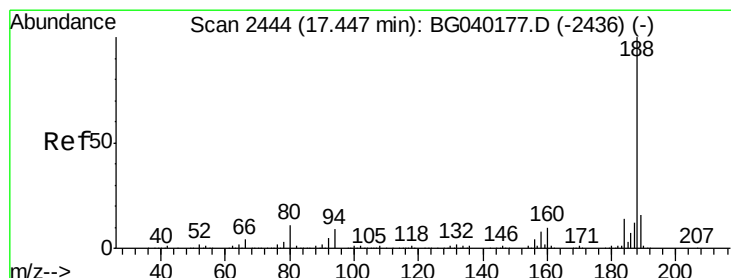
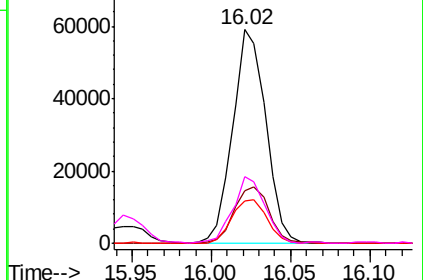
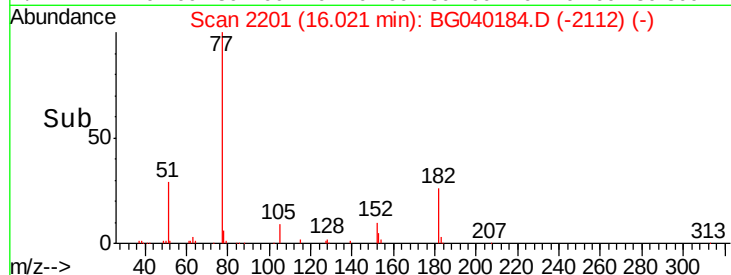


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

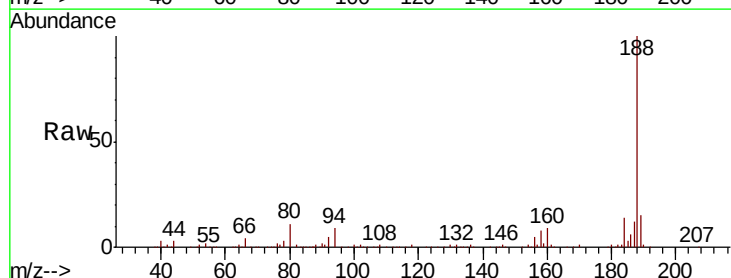
Tgt Ion: 188 Resp: 307682

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.4

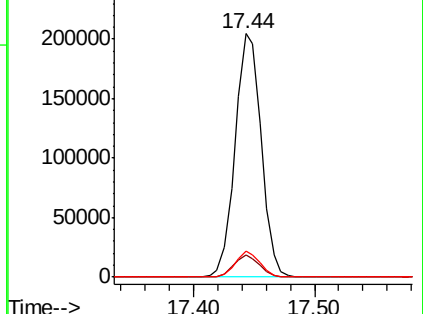
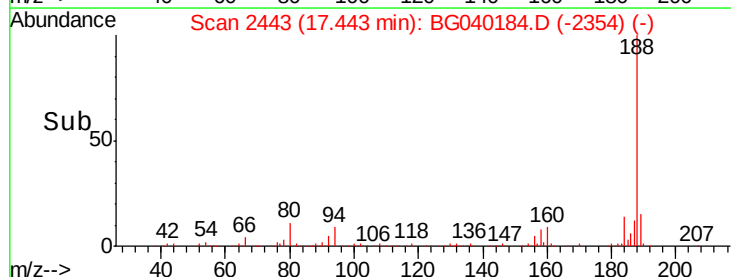
80 10.6 8.6 13.0

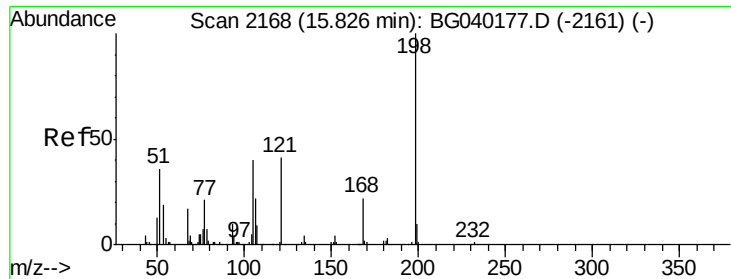


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

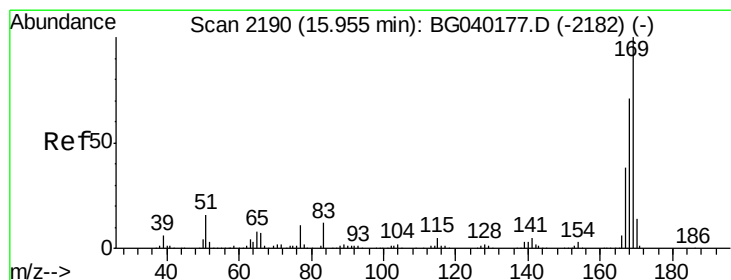
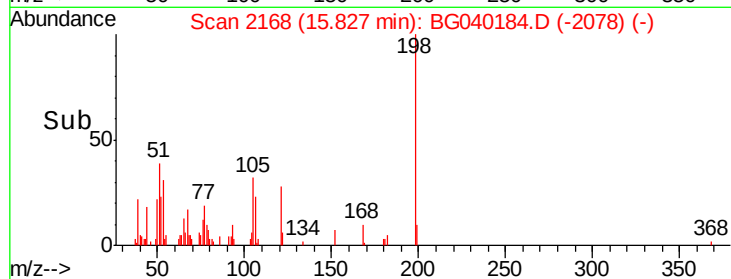
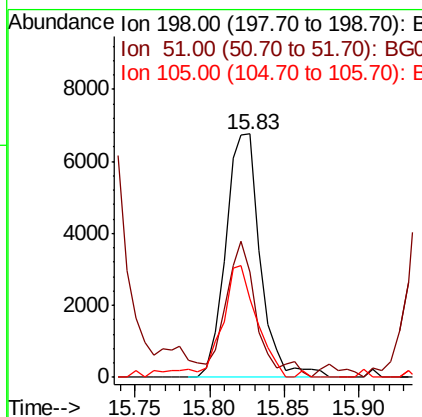
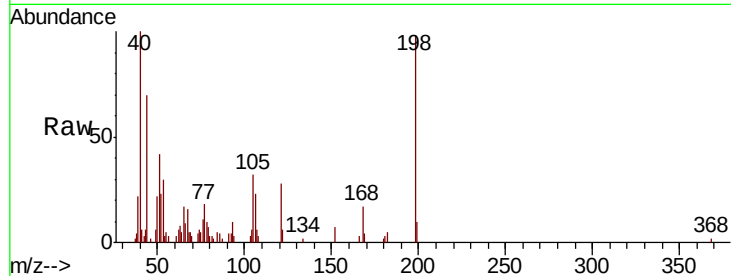




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.362 ng
 RT: 15.83 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

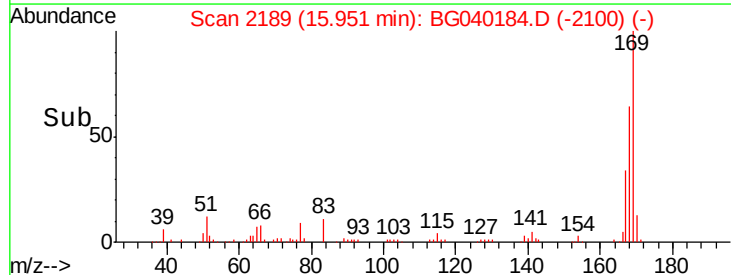
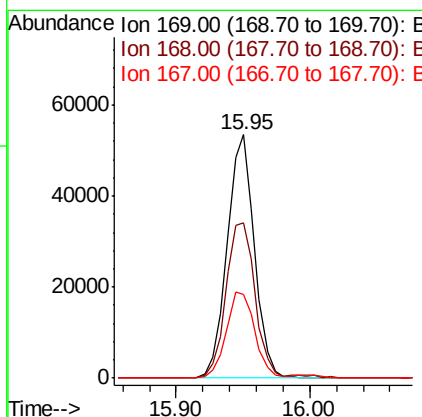
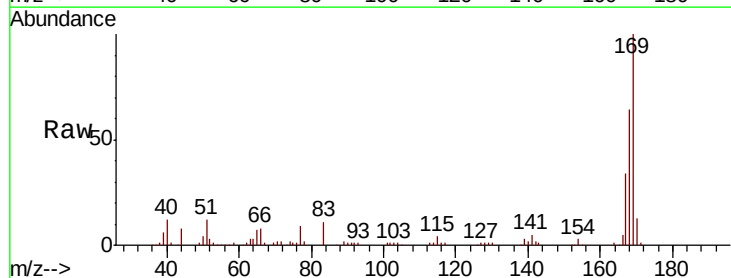
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

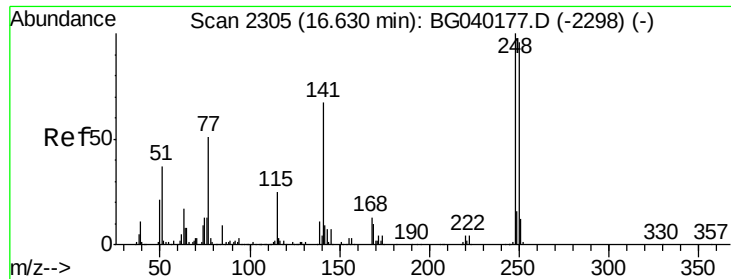
Tgt Ion:198 Resp: 10998
 Ion Ratio Lower Upper
 198 100
 51 43.1 27.3 67.3
 105 32.3 21.7 61.7



#66
 n-Nitrosodiphenylamine
 Concen: 8.473 ng
 RT: 15.95 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion:169 Resp: 76284
 Ion Ratio Lower Upper
 169 100
 168 63.9 56.8 85.2
 167 34.2 30.2 45.4

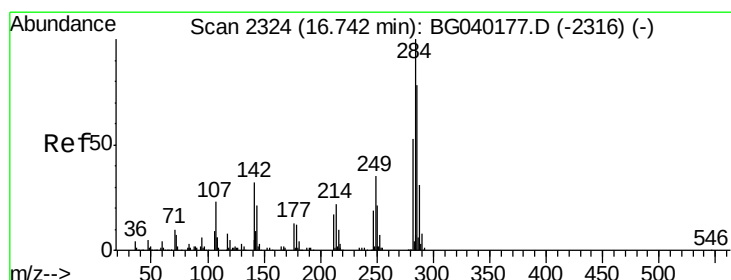
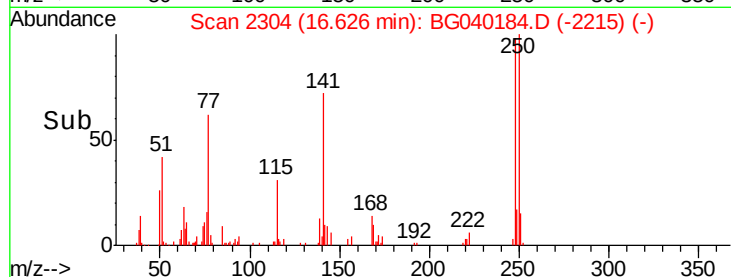
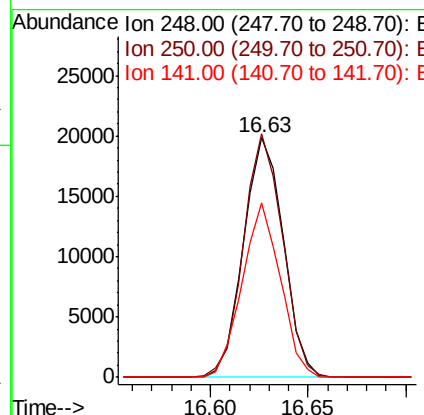
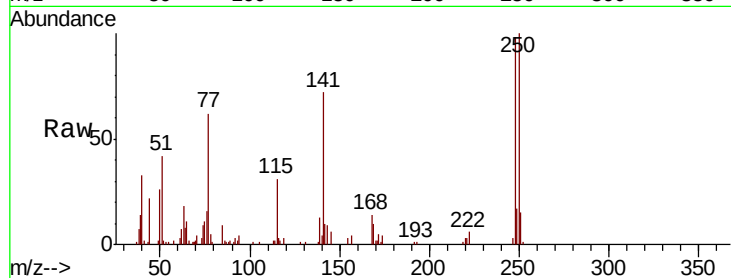




#67
 4-Bromophenyl-phenylether
 Concen: 8.127 ng
 RT: 16.63 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

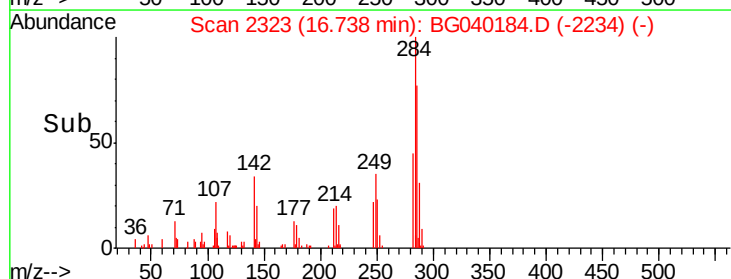
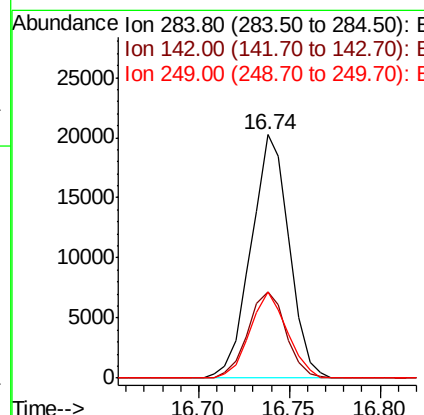
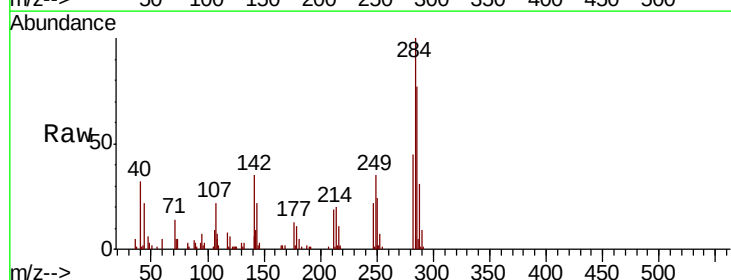
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

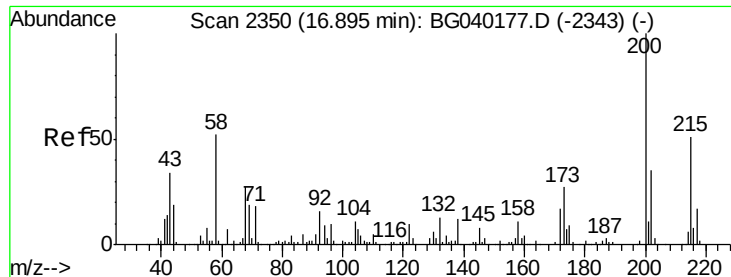
Tgt Ion:248 Resp: 28141
 Ion Ratio Lower Upper
 248 100
 250 101.6 76.4 114.6
 141 72.8 53.8 80.8



#68
 Hexachlorobenzene
 Concen: 8.536 ng
 RT: 16.74 min Scan# 2323
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion:284 Resp: 29716
 Ion Ratio Lower Upper
 284 100
 142 35.5 25.3 37.9
 249 35.4 28.2 42.2

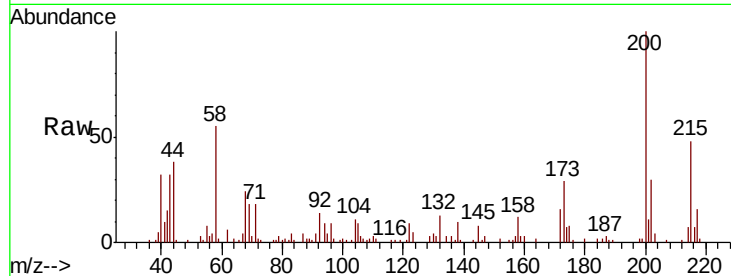




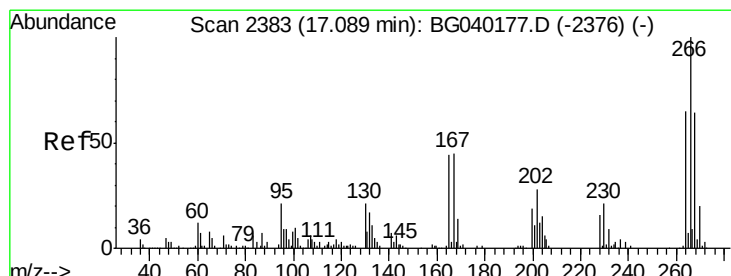
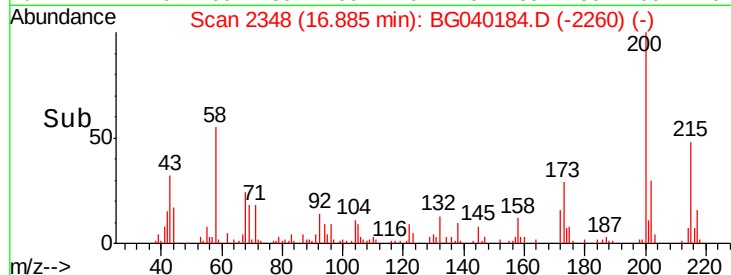
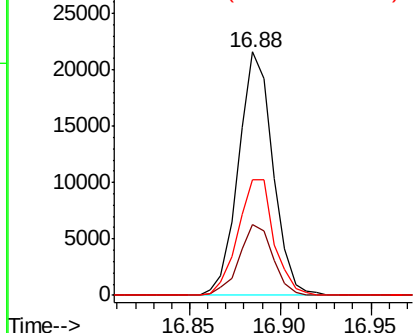
#69
Atrazine
Concen: 8.444 ng
RT: 16.88 min Scan# 2348
Delta R.T. -0.01 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

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

Tgt Ion:200 Resp: 28280
Ion Ratio Lower Upper
200 100
173 28.9 7.1 47.1
215 47.7 30.9 70.9

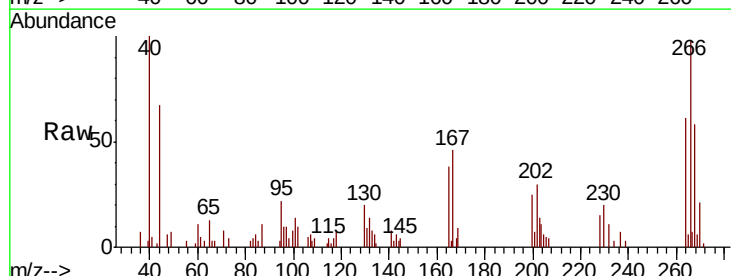


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

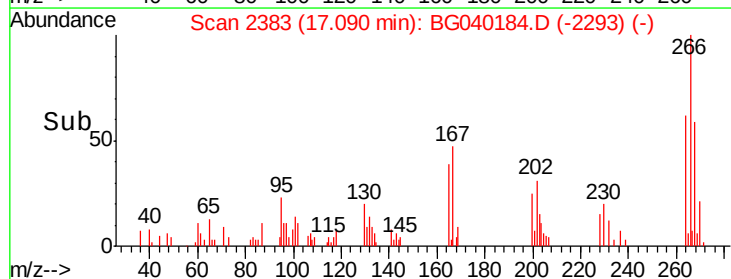
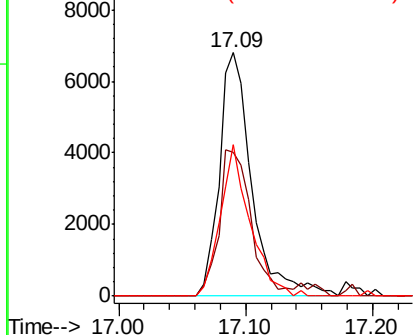


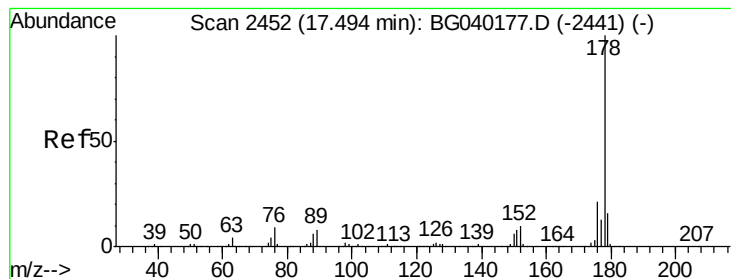
#70
Pentachlorophenol
Concen: 6.018 ng
RT: 17.09 min Scan# 2383
Delta R.T. 0.00 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion:266 Resp: 12113
Ion Ratio Lower Upper
266 100
268 65.0 55.0 82.4
264 62.0 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: 8.914 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

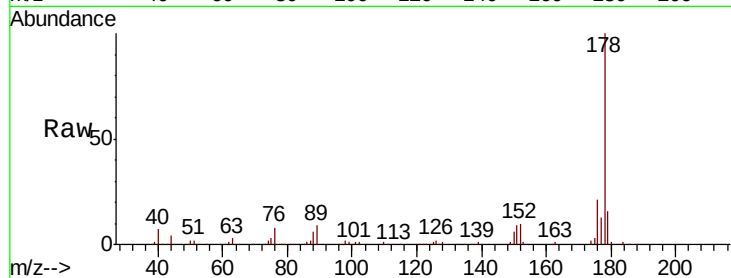
Tgt Ion:178 Resp: 144164

Ion Ratio Lower Upper

178 100

176 21.5 16.7 25.1

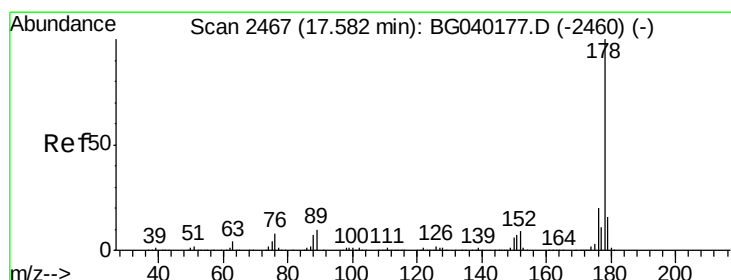
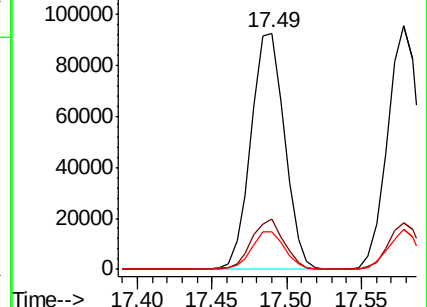
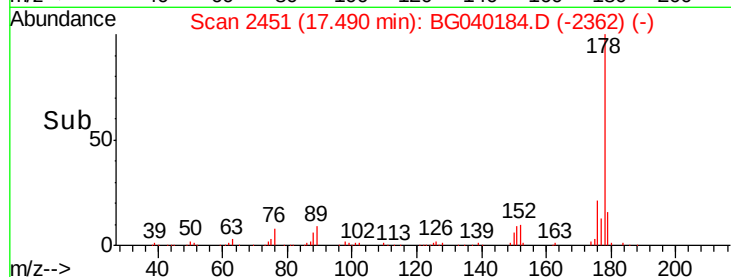
179 15.9 12.8 19.2



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: 8.886 ng

RT: 17.58 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

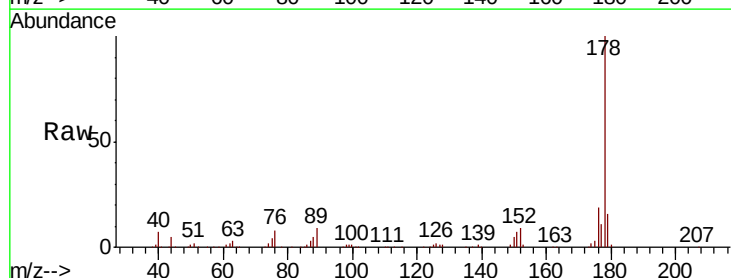
Tgt Ion:178 Resp: 143838

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

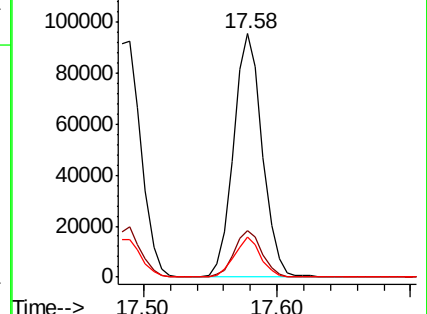
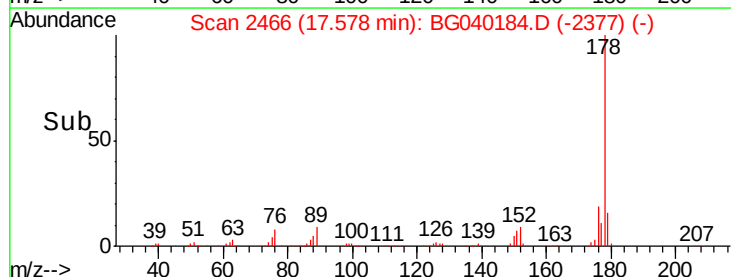
179 16.2 12.9 19.3

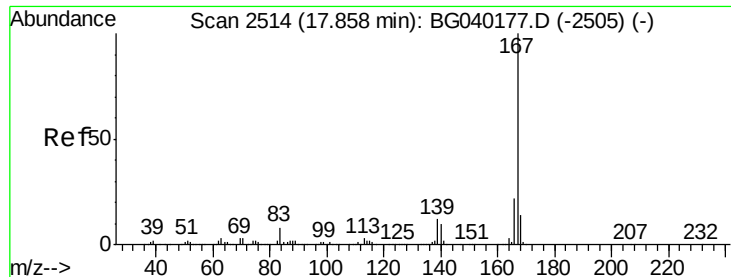


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

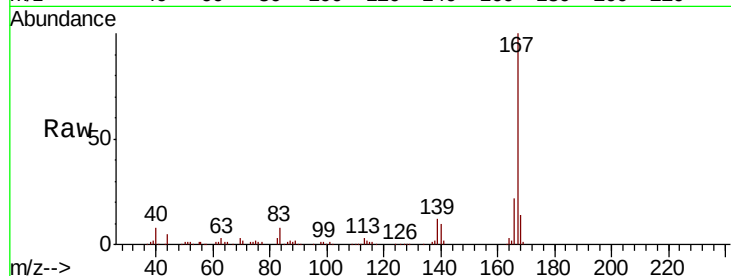




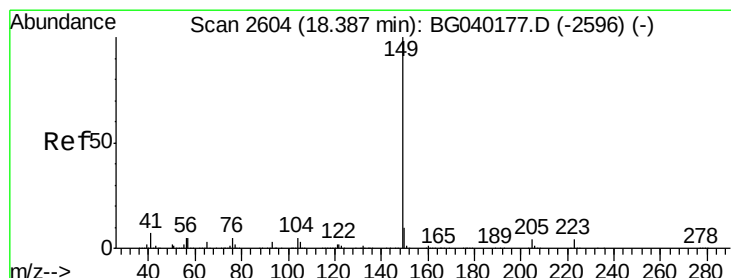
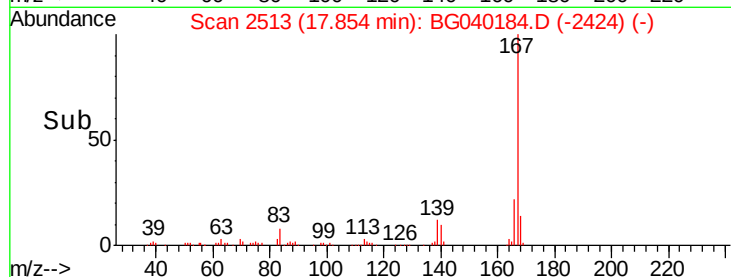
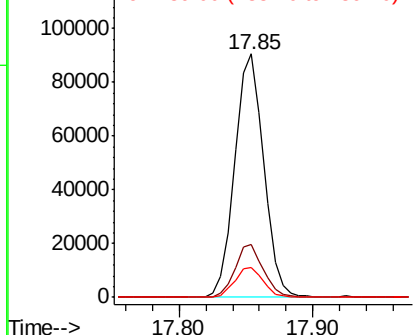
#73
 Carbazole
 Concen: 8.929 ng
 RT: 17.85 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

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

Tgt Ion:167 Resp: 136782
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.5 26.3
 139 12.4 10.0 15.0

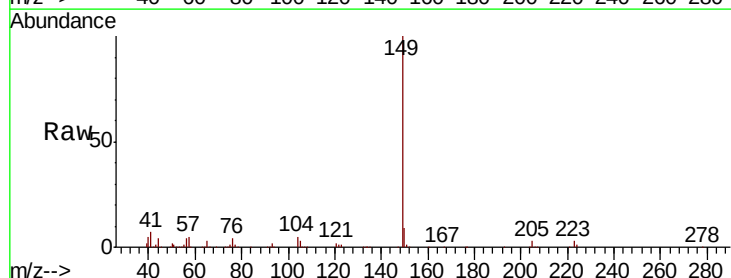


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

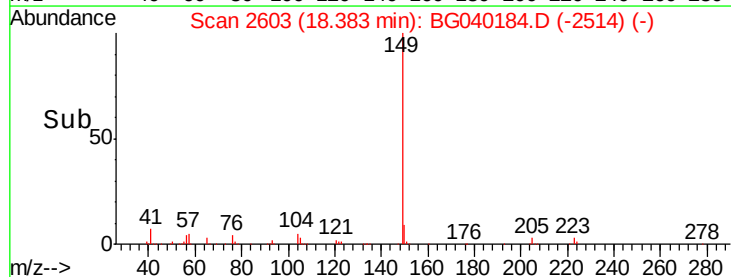
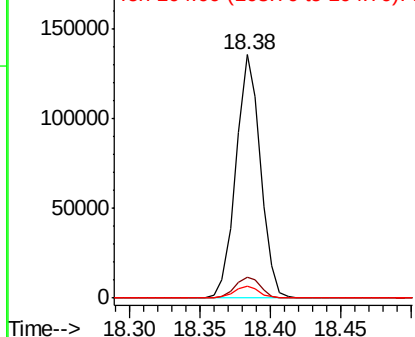


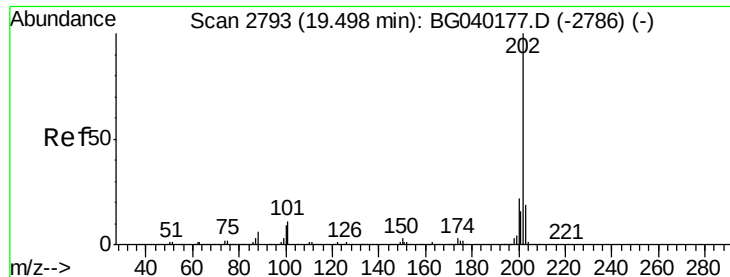
#74
 Di-n-butylphthalate
 Concen: 9.038 ng
 RT: 18.38 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: BG040184.D
 Acq: 27 Mar 2019 23:05

Tgt Ion:149 Resp: 164124
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.9 11.9
 104 4.9 4.1 6.1



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





#75

Fluoranthene

Concen: 9.386 ng

RT: 19.49 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

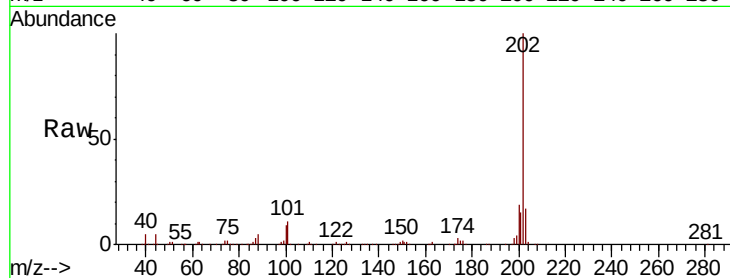
Tgt Ion:202 Resp: 179748

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.8

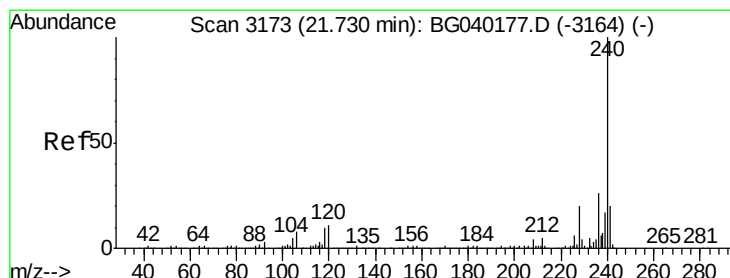
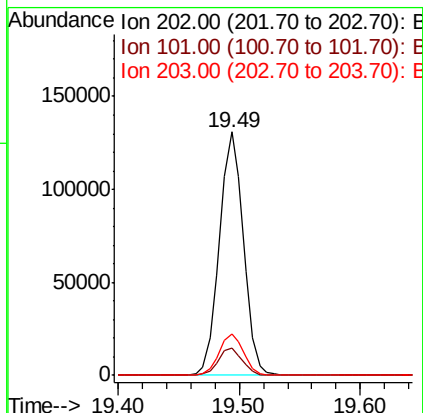
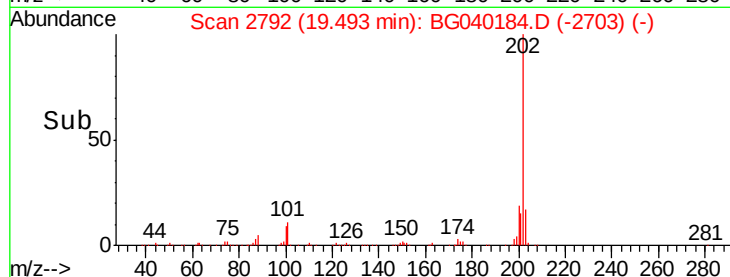
203 17.2 0.0 38.9



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. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

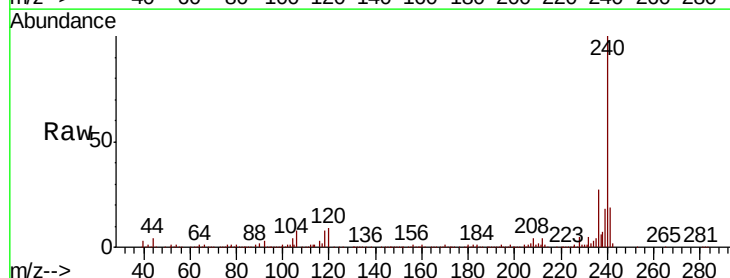
Tgt Ion:240 Resp: 323882

Ion Ratio Lower Upper

240 100

120 8.8 8.4 12.6

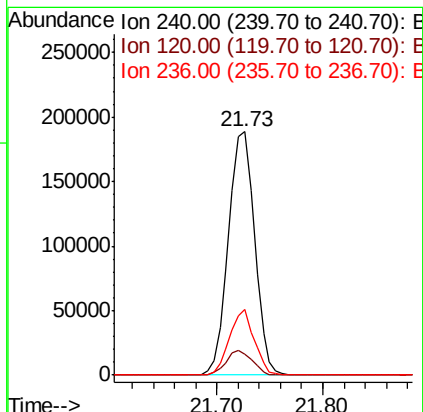
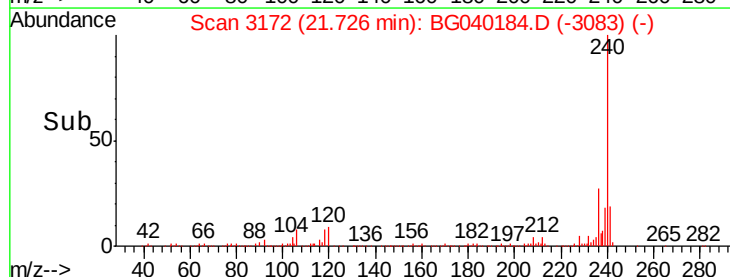
236 26.9 20.8 31.2

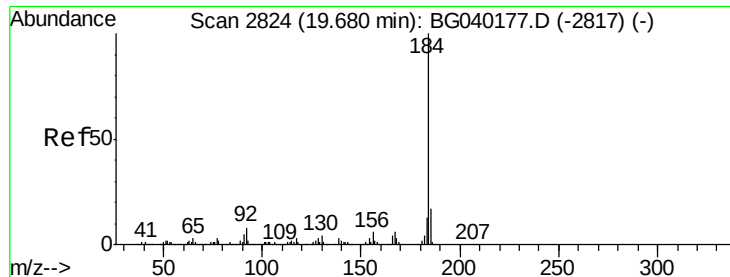


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.367 ng

RT: 19.68 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

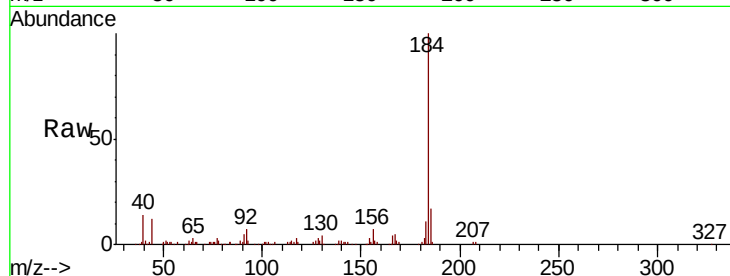
Tgt Ion:184 Resp: 74470

Ion Ratio Lower Upper

184 100

185 16.6 13.3 19.9

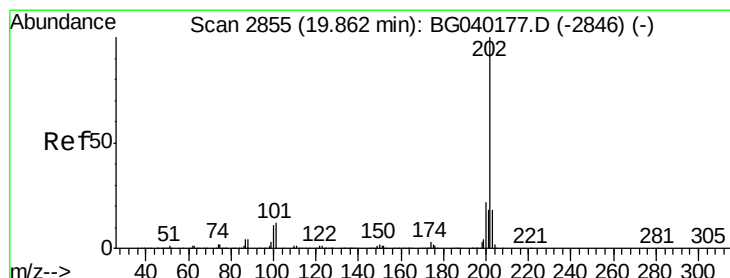
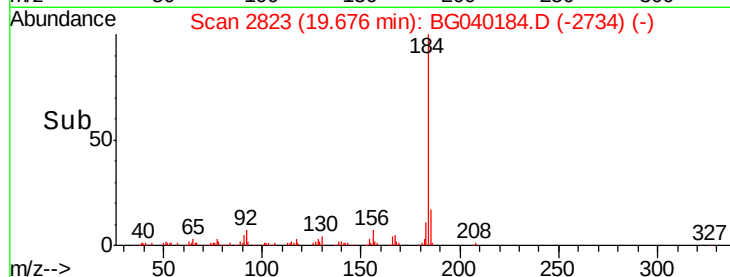
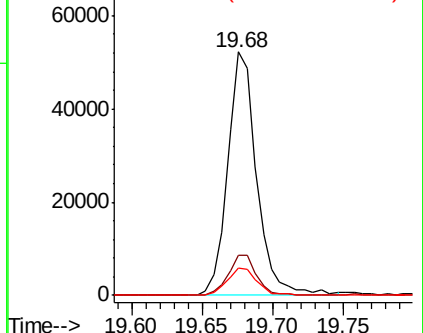
183 11.2 10.3 15.5



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: 8.845 ng

RT: 19.86 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

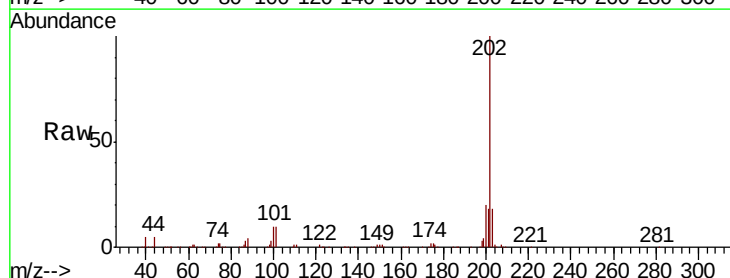
Tgt Ion:202 Resp: 188398

Ion Ratio Lower Upper

202 100

200 19.6 17.3 25.9

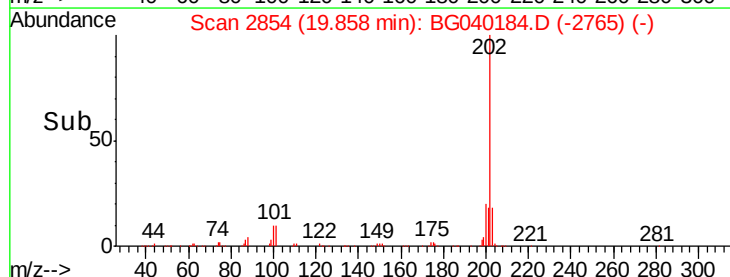
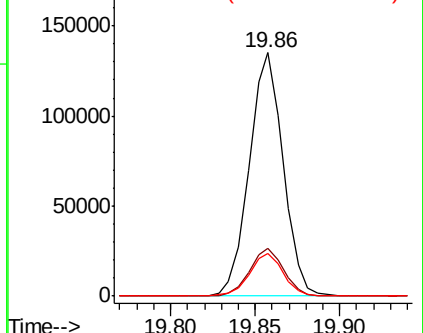
203 17.6 14.6 22.0

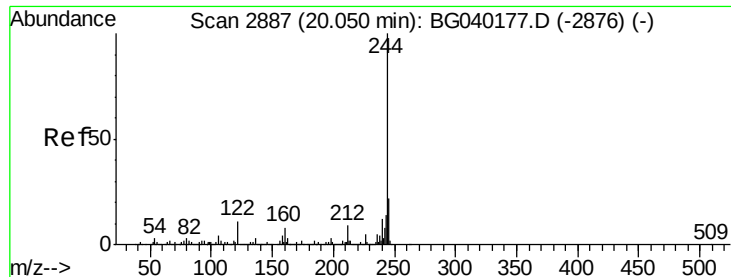


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.931 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

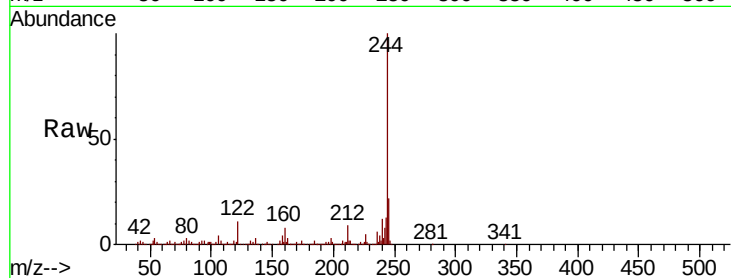
Tgt Ion:244 Resp: 1251541

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

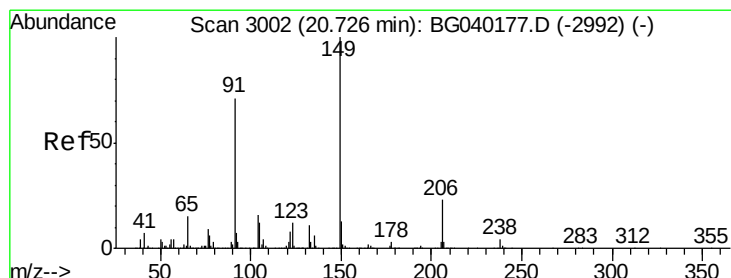
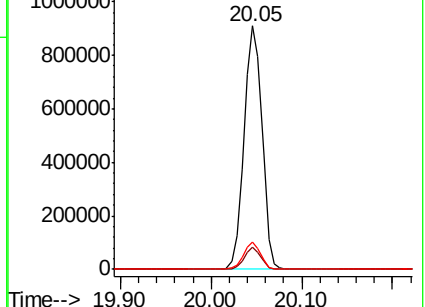
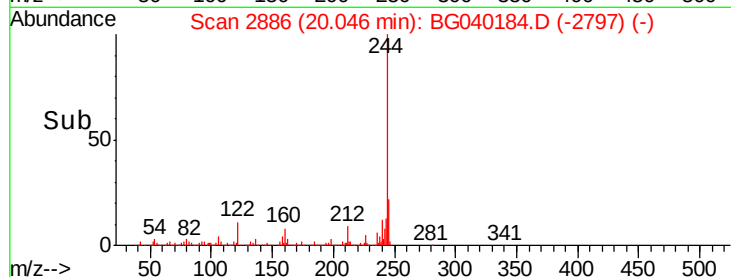
122 11.0 8.5 12.7



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: 7.645 ng

RT: 20.73 min Scan# 3002

Delta R.T. 0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

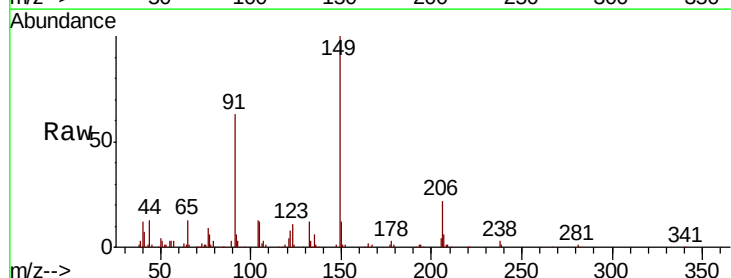
Tgt Ion:149 Resp: 69681

Ion Ratio Lower Upper

149 100

91 63.2 57.0 85.4

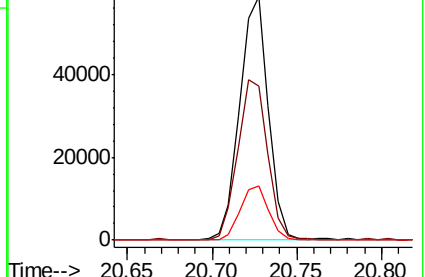
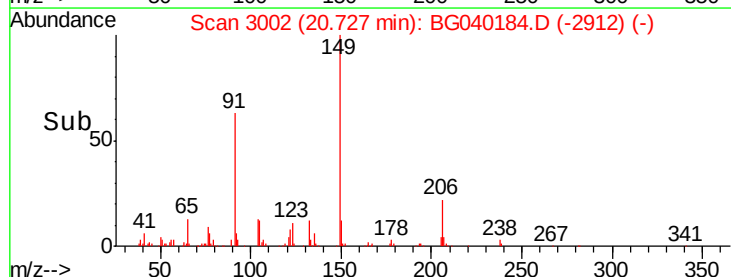
206 22.3 18.2 27.4

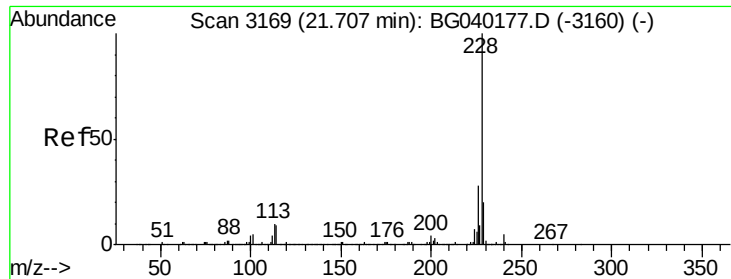


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.663 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

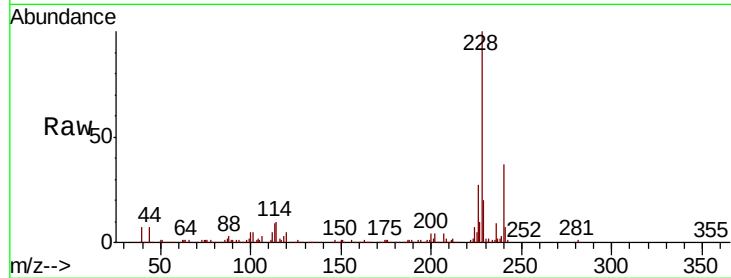
Tgt Ion:228 Resp: 172812

Ion Ratio Lower Upper

228 100

226 27.5 22.6 34.0

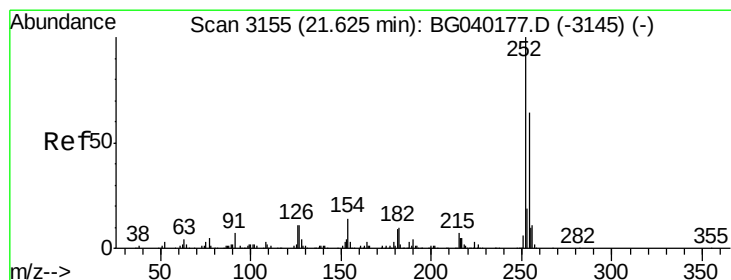
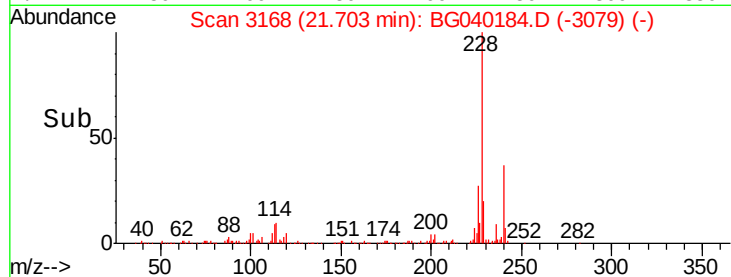
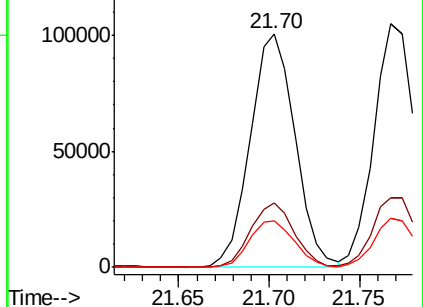
229 20.0 16.1 24.1



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: 7.683 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

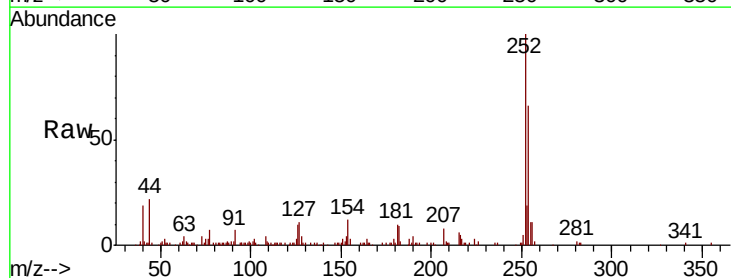
Tgt Ion:252 Resp: 58308

Ion Ratio Lower Upper

252 100

254 66.2 51.4 77.2

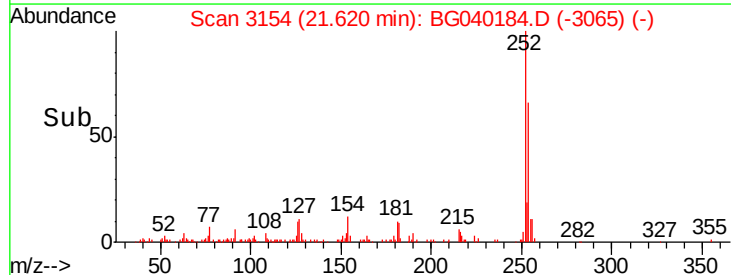
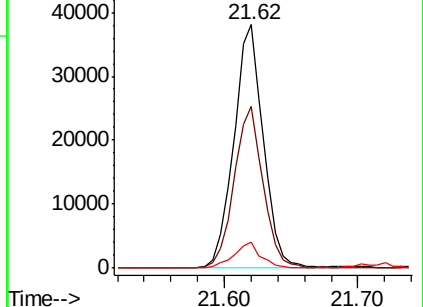
126 10.5 8.5 12.7

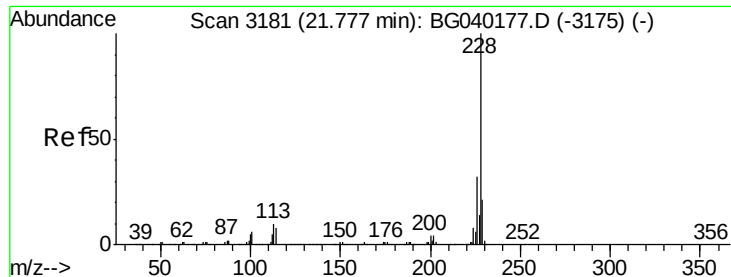


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 8.693 ng

RT: 21.77 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

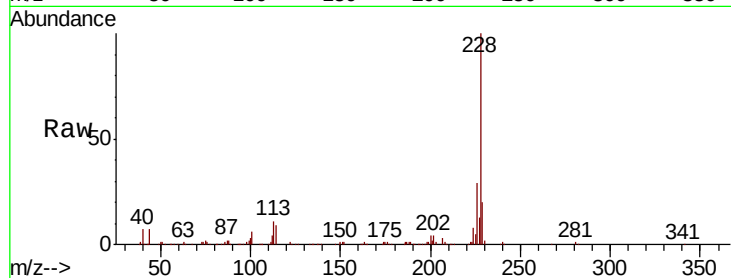
Tgt Ion:228 Resp: 166676

Ion Ratio Lower Upper

228 100

226 28.7 25.4 38.0

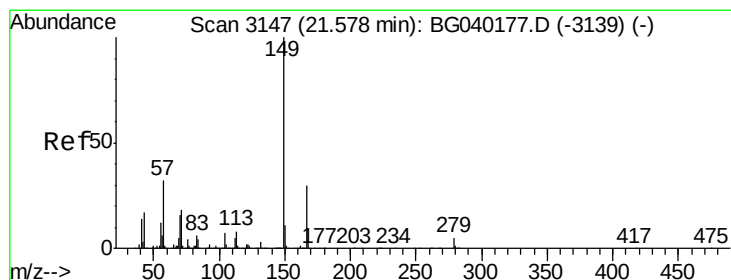
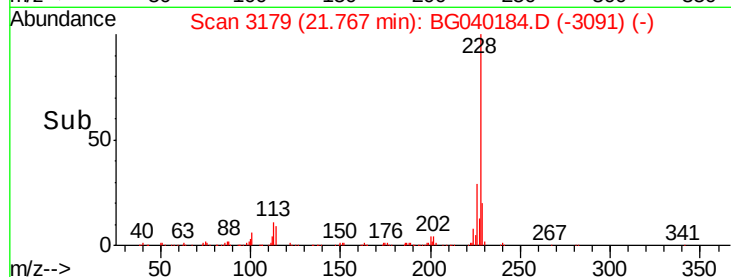
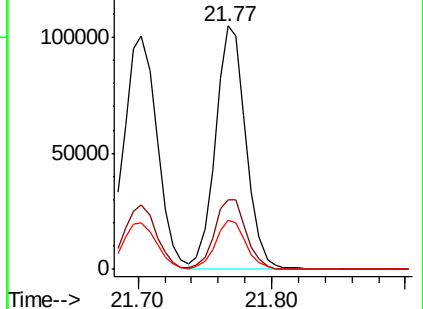
229 20.0 17.0 25.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.789 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

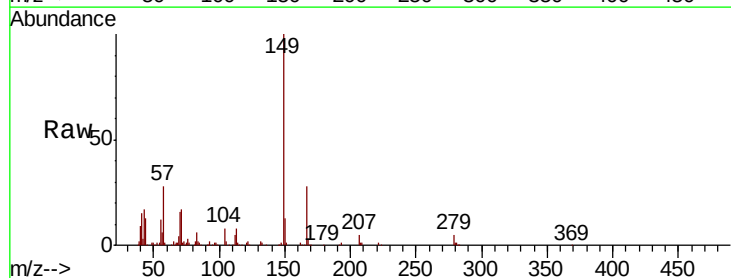
Tgt Ion:149 Resp: 101483

Ion Ratio Lower Upper

149 100

167 27.8 24.1 36.1

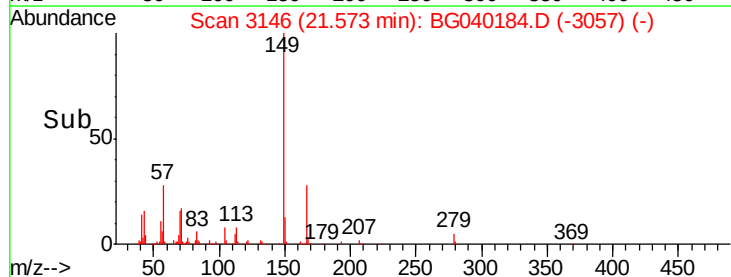
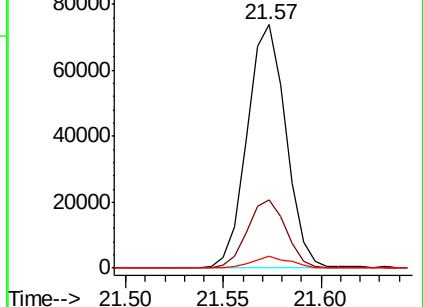
279 5.0 4.1 6.1

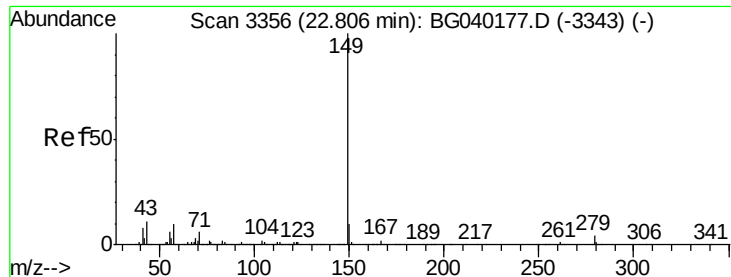


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.876 ng

RT: 22.80 min Scan# 3355

Delta R.T. -0.00 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

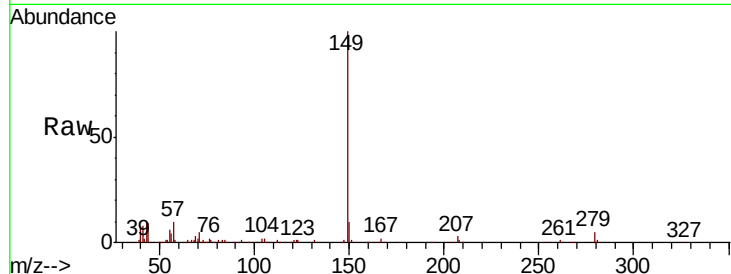
Tgt Ion:149 Resp: 174834

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

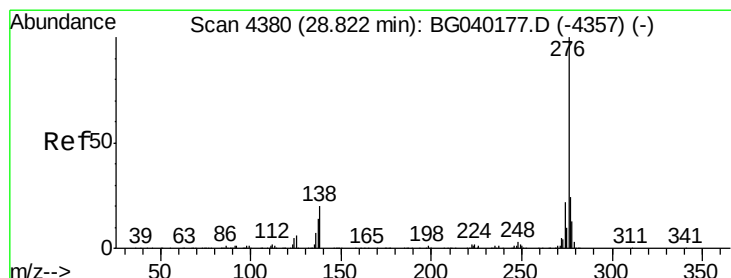
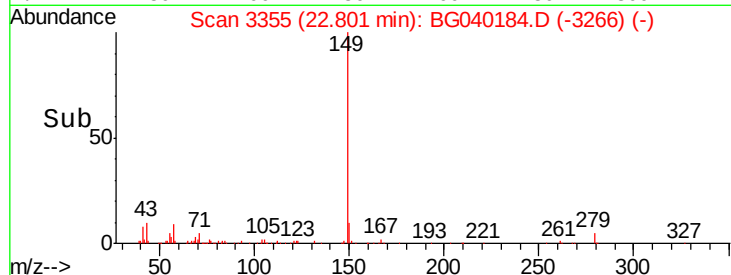
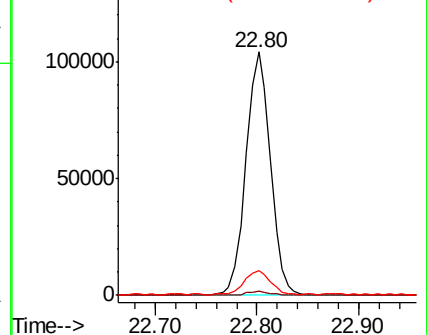
43 10.2 8.7 13.1



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: 8.012 ng

RT: 28.80 min Scan# 4376

Delta R.T. -0.02 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

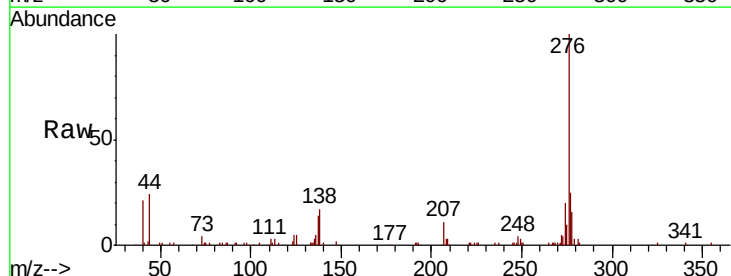
Tgt Ion:276 Resp: 187874

Ion Ratio Lower Upper

276 100

138 14.1 18.8 28.2#

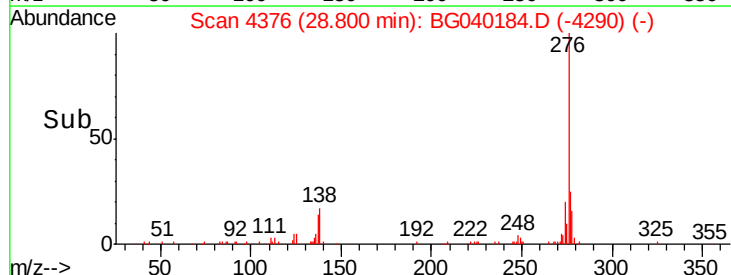
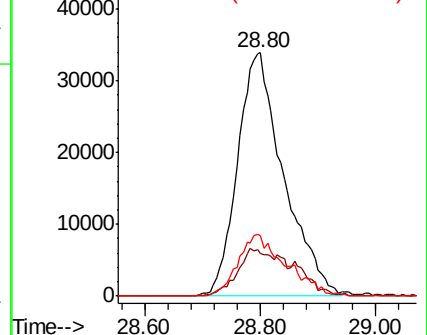
277 26.0 21.0 31.4

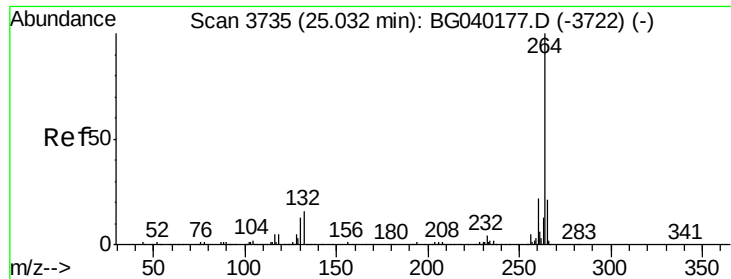


Abundance Ion 276.00 (275.70 to 276.70): E

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: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

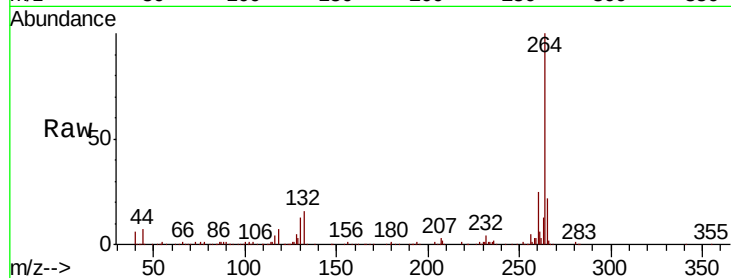
Tgt Ion:264 Resp: 332051

Ion Ratio Lower Upper

264 100

260 25.0 17.9 26.9

265 22.1 16.8 25.2

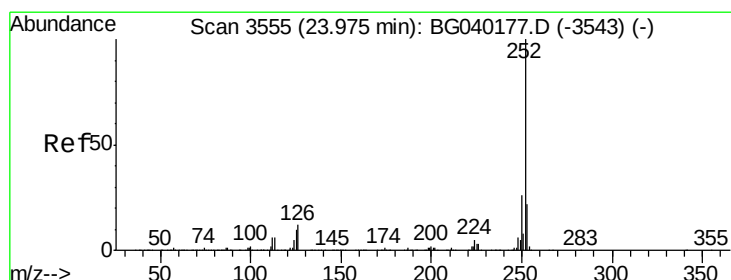
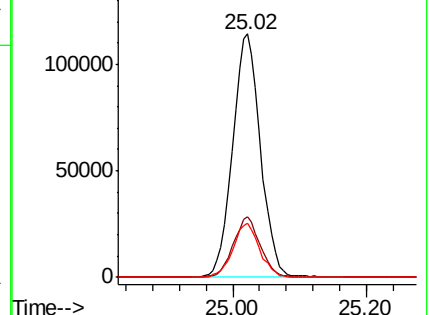
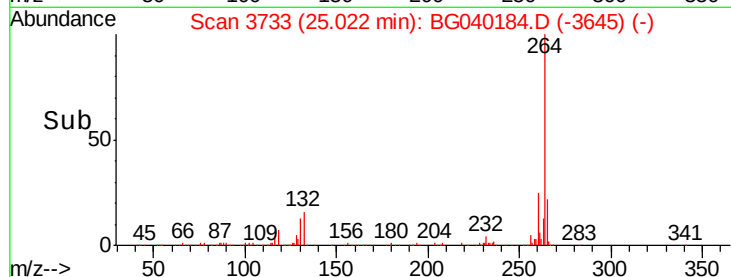


Abundance

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: 8.926 ng

RT: 23.96 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

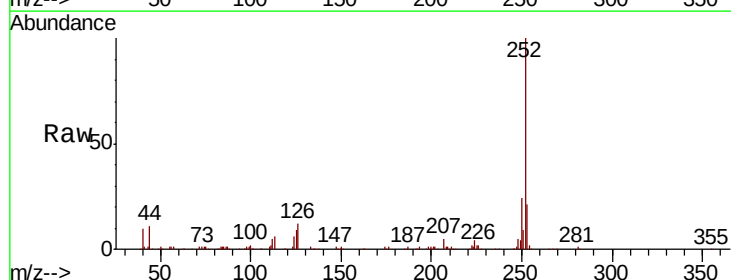
Tgt Ion:252 Resp: 181470

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 8.8 8.2 12.4

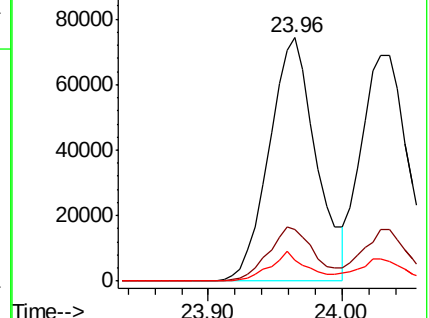
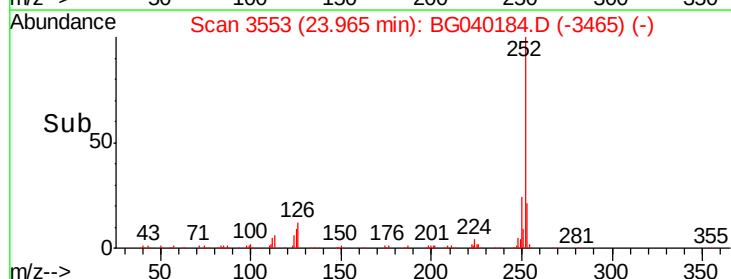


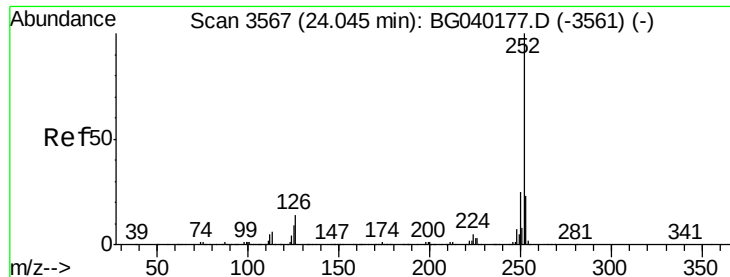
Abundance

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

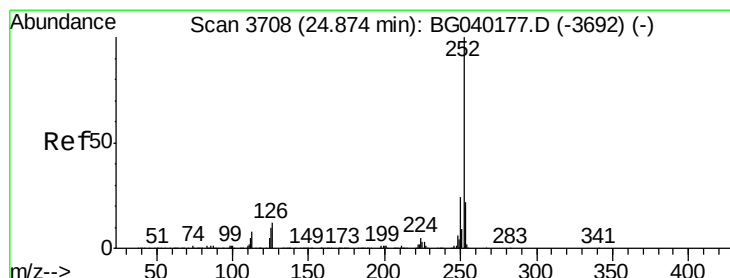
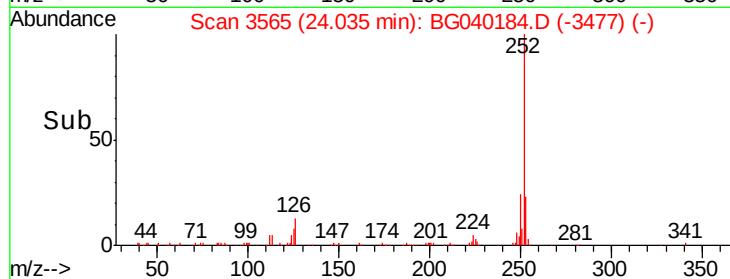
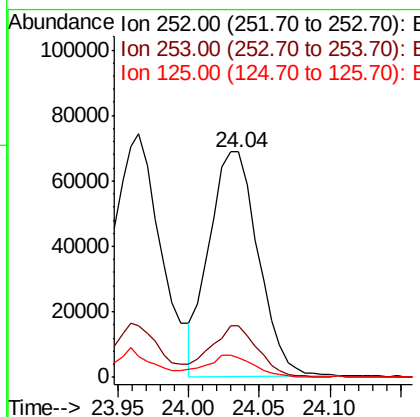
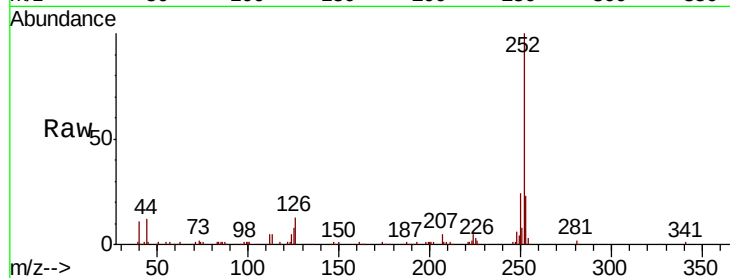




#89
Benzo(k)fluoranthene
Concen: 8.909 ng
RT: 24.04 min Scan# 3565
Delta R.T. -0.01 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

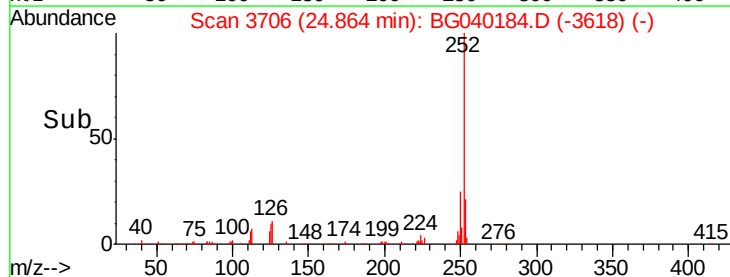
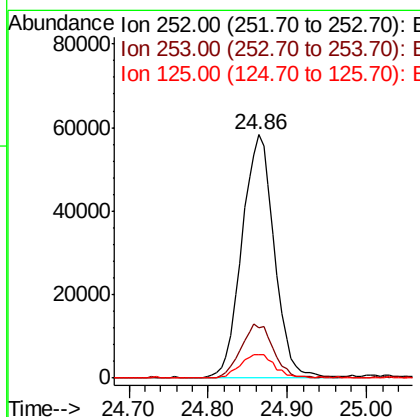
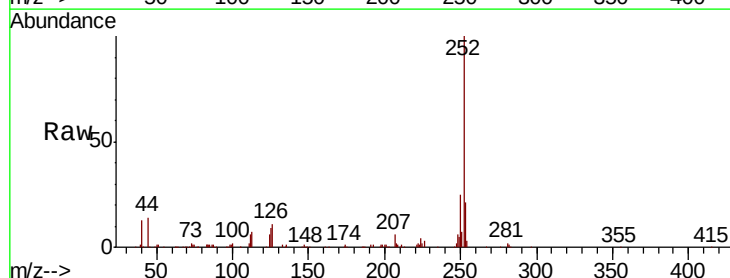
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

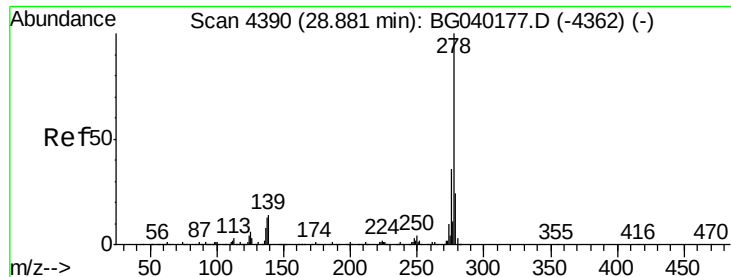
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	28.0
125	8.4	7.3	10.9



#90
Benzo(a)pyrene
Concen: 8.676 ng
RT: 24.86 min Scan# 3706
Delta R.T. -0.01 min
Lab File: BG040184.D
Acq: 27 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.8
125	9.5	8.3	12.5





#91

Dibenzo(a,h)anthracene

Concen: 8.528 ng

RT: 28.86 min Scan# 4387

Delta R.T. -0.02 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

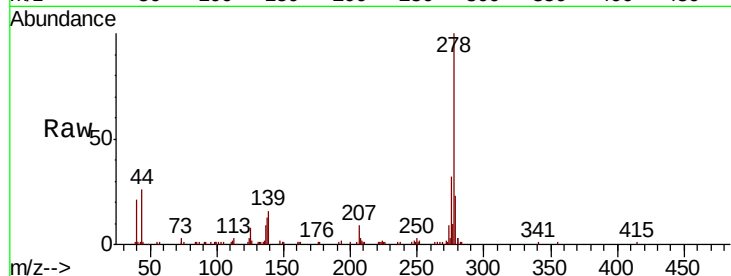
Tgt Ion:278 Resp: 151079

Ion Ratio Lower Upper

278 100

139 16.3 11.2 16.8

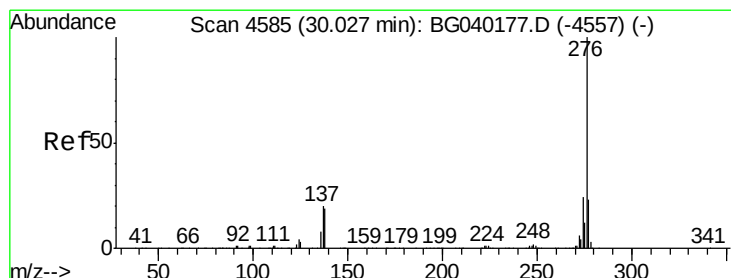
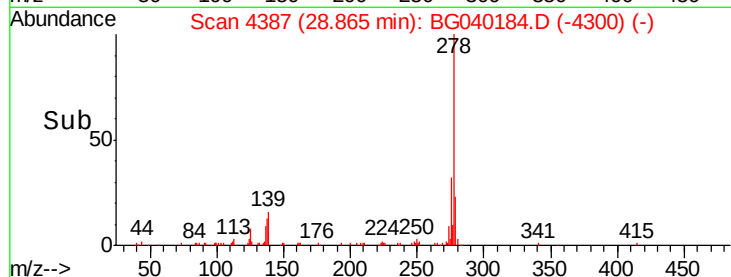
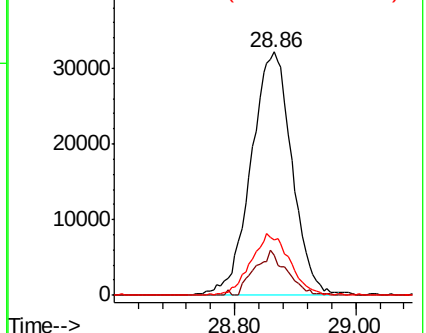
279 22.6 18.9 28.3



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: 8.441 ng

RT: 29.99 min Scan# 4578

Delta R.T. -0.04 min

Lab File: BG040184.D

Acq: 27 Mar 2019 23:05

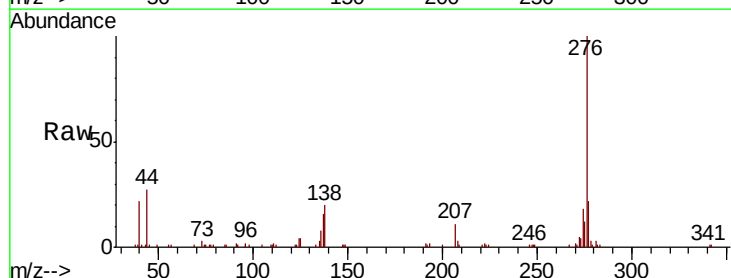
Tgt Ion:276 Resp: 153670

Ion Ratio Lower Upper

276 100

277 21.7 18.6 28.0

138 19.7 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

