

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040986.D
 Acq On : 31 May 2019 19:52
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-MDL-WATER-20PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Jun 01 05:16:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	51977	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	205340	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	147943	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	372906	20.00	ng	0.00
76) Chrysene-d12	21.77	240	362103	20.00	ng	-0.01
87) Perylene-d12	25.11	264	383600	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	269200	93.39	ng	0.00
7) Phenol-d6	7.26	99	391034	87.84	ng	0.00
23) Nitrobenzene-d5	9.30	82	274329	59.31	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	216386	98.52	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	628867	61.22	ng	-0.01
79) Terphenyl-d14	20.09	244	1103037	64.65	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.52	88	28096	21.480	ng	92
3) Pyridine	3.94	79	70244	18.149	ng	90
4) n-Nitrosodimethylamine	3.86	42	37877	21.086	ng	# 87
6) Aniline	7.44	93	113480	19.098	ng	98
8) 2-Chlorophenol	7.68	128	69984	20.365	ng	93
9) Benzaldehyde	7.26	77	79773	30.040	ng	96
10) Phenol	7.29	94	91594	19.190	ng	97
11) bis(2-Chloroethyl)ether	7.53	93	71196	20.561	ng	97
12) 1,3-Dichlorobenzene	8.01	146	81334	19.816	ng	93
13) 1,4-Dichlorobenzene	8.15	146	84137	20.252	ng	92
14) 1,2-Dichlorobenzene	8.48	146	80601	19.981	ng	97
15) Benzyl Alcohol	8.36	79	81162	19.709	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.64	45	113681	20.092	ng	98
17) 2-Methylphenol	8.55	107	66479	19.236	ng	94
18) Hexachloroethane	9.21	117	31445	19.638	ng	94
19) n-Nitroso-di-n-propylamine	8.92	70	70274	20.513	ng	# 95
20) 3+4-Methylphenols	8.88	107	90141	18.830	ng	96
22) Acetophenone	8.95	105	135387	23.504	ng	96
24) Nitrobenzene	9.34	77	107191	22.740	ng	96
25) Isophorone	9.85	82	189914	21.575	ng	98
26) 2-Nitrophenol	10.05	139	42510	21.876	ng	# 92
27) 2,4-Dimethylphenol	10.09	122	74311	23.154	ng	96
28) bis(2-Chloroethoxy)methane	10.34	93	101470	21.358	ng	97
29) 2,4-Dichlorophenol	10.58	162	81791	20.069	ng	91
30) 1,2,4-Trichlorobenzene	10.80	180	96046	20.716	ng	94
31) Naphthalene	10.99	128	242100	21.959	ng	99
32) Benzoic acid	10.18	122	29917	18.088	ng	97
33) 4-Chloroaniline	11.10	127	101990	19.938	ng	93
34) Hexachlorobutadiene	11.26	225	72701	20.494	ng	96
35) Caprolactam	11.87	113	26242	19.499	ng	# 87
36) 4-Chloro-3-methylphenol	12.20	107	96896	20.818	ng	99
37) 2-Methylnaphthalene	12.59	142	182430	21.485	ng	96
38) 1-Methylnaphthalene	12.59	142	182430	22.799	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.95	216	137762	23.103	ng	99

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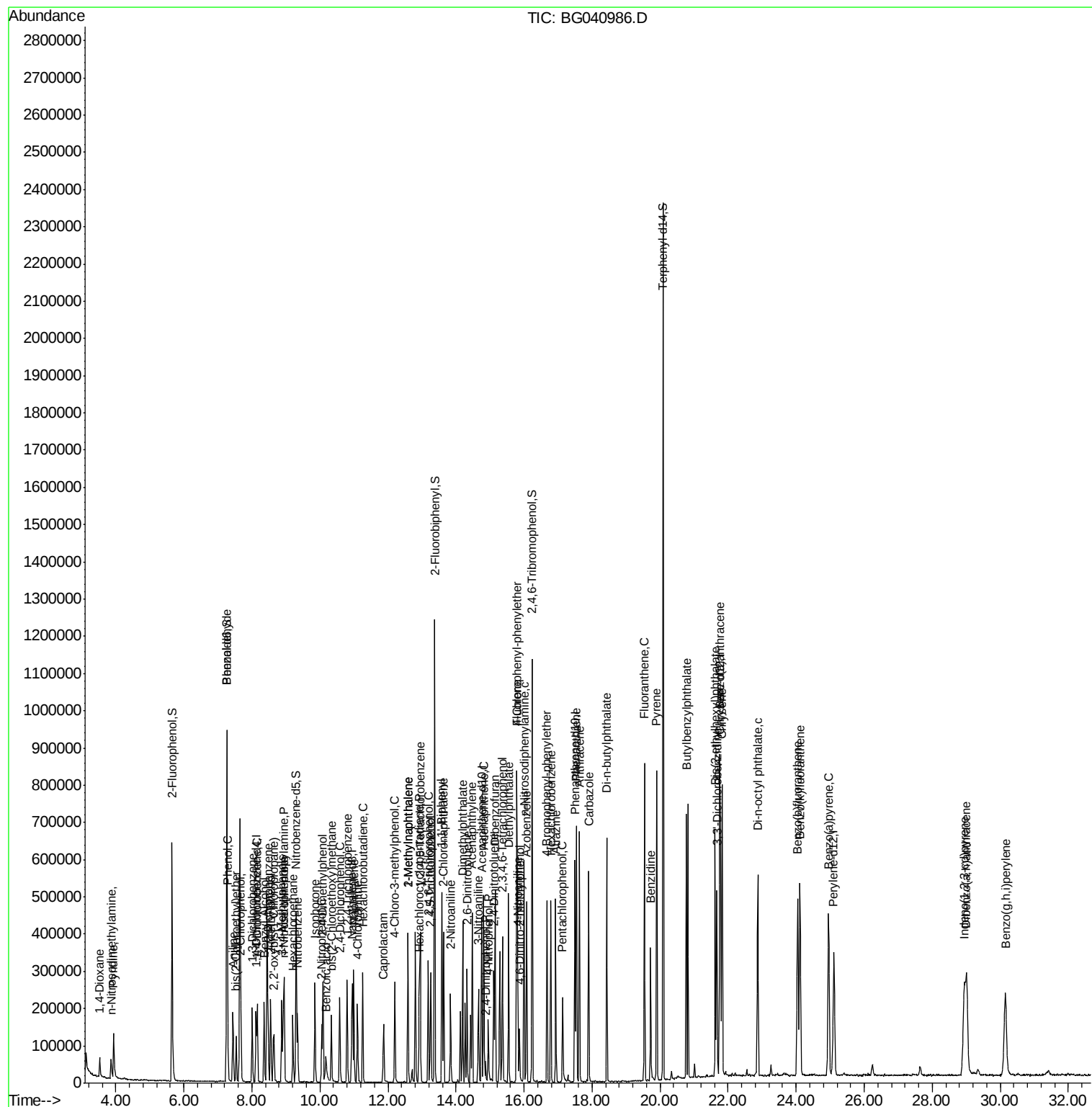
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	70137	27.864	ng	96
43) 2,4,6-Trichlorophenol	13.18	196	82320	21.340	ng	97
44) 2,4,5-Trichlorophenol	13.25	196	88051	21.644	ng	96
46) 1,1'-Biphenyl	13.58	154	254101	23.203	ng	98
47) 2-Chloronaphthalene	13.64	162	204338	21.735	ng	98
48) 2-Nitroaniline	13.84	65	71511	21.203	ng	97
49) Acenaphthylene	14.48	152	320859	22.676	ng	98
50) Dimethylphthalate	14.19	163	270481	21.598	ng	99
51) 2,6-Dinitrotoluene	14.33	165	59434	22.011	ng	86
52) Acenaphthene	14.82	154	184499	21.524	ng	97
53) 3-Nitroaniline	14.66	138	55873	20.693	ng #	97
54) 2,4-Dinitrophenol	14.86	184	15947	21.613	ng	94
55) Dibenzofuran	15.15	168	326039	22.605	ng	98
56) 4-Nitrophenol	14.95	139	38028	20.533	ng #	86
57) 2,4-Dinitrotoluene	15.11	165	82677	21.676	ng #	96
58) Fluorene	15.79	166	250299	21.791	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.36	232	88249	22.073	ng	99
60) Diethylphthalate	15.55	149	275976	21.593	ng	98
61) 4-Chlorophenyl-phenylether	15.78	204	160403	21.485	ng	97
62) 4-Nitroaniline	15.82	138	58886	20.600	ng	88
63) Azobenzene	16.07	77	256918	22.117	ng	99
65) 4,6-Dinitro-2-methylphenol	15.87	198	34338	22.699	ng	92
66) n-Nitrosodiphenylamine	16.00	169	225344	21.497	ng	99
67) 4-Bromophenyl-phenylether	16.67	248	101796	20.228	ng	97
68) Hexachlorobenzene	16.79	284	109068	20.353	ng	96
69) Atrazine	16.93	200	96100	23.759	ng	95
70) Pentachlorophenol	17.13	266	48746	20.333	ng	97
71) Phenanthrene	17.54	178	440232	22.664	ng	100
72) Anthracene	17.63	178	445648	23.262	ng	98
73) Carbazole	17.90	167	379622	23.094	ng	97
74) Di-n-butylphthalate	18.43	149	445806	21.821	ng	99
75) Fluoranthene	19.54	202	558425	23.275	ng	99
77) Benzidine	19.72	184	219779	25.443	ng	99
78) Pyrene	19.90	202	563001	23.918	ng	97
80) Butylbenzylphthalate	20.77	149	197086	21.515	ng	97
81) Benzo(a)anthracene	21.76	228	534201	22.162	ng	98
82) 3,3'-Dichlorobenzidine	21.67	252	193808	22.860	ng	99
83) Chrysene	21.82	228	518893	22.496	ng	99
84) Bis(2-ethylhexyl)phthalate	21.63	149	270445	20.972	ng	96
85) Di-n-octyl phthalate	22.87	149	460039	21.421	ng	99
86) Indeno(1,2,3-cd)pyrene	28.94	276	595699	21.082	ng #	99
88) Benzo(b)fluoranthene	24.04	252	529856	22.773	ng	95
89) Benzo(k)fluoranthene	24.11	252	521176	22.636	ng	99
90) Benzo(a)pyrene	24.95	252	511134	23.026	ng	96
91) Dibenzo(a,h)anthracene	29.01	278	487638	21.985	ng	99
92) Benzo(g,h,i)perylene	30.15	276	492335	22.847	ng	98

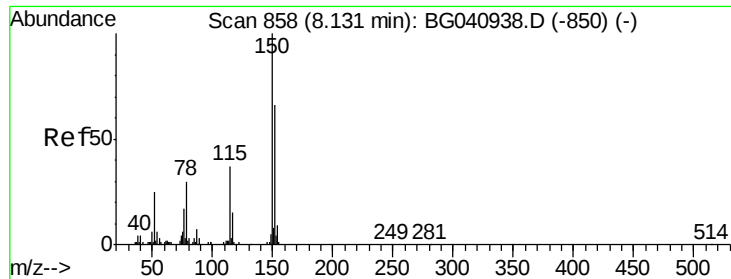
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.13 min Scan# 857

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

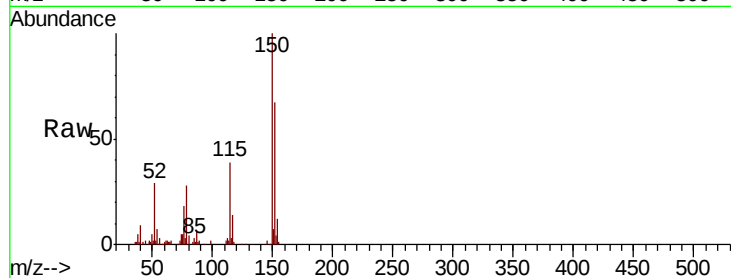
Tgt Ion:152 Resp: 51977

Ion Ratio Lower Upper

152 100

150 149.4 120.6 180.8

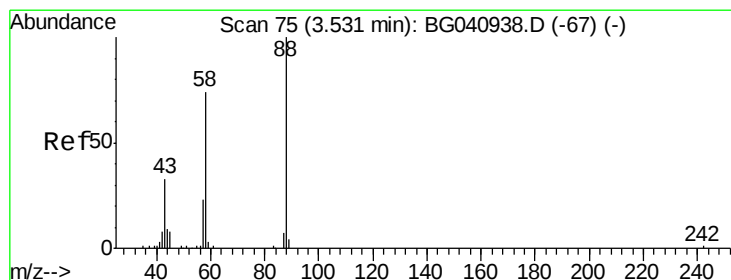
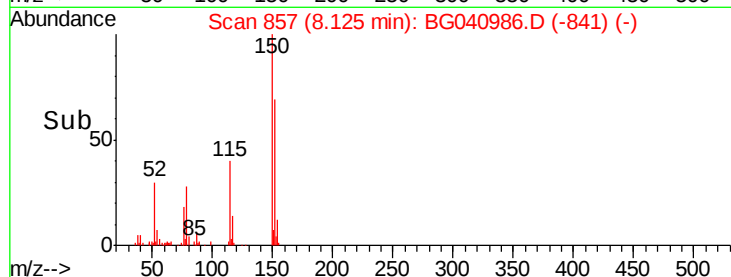
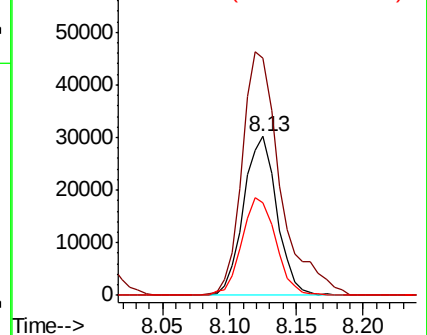
115 58.0 45.1 67.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 21.480 ng

RT: 3.52 min Scan# 74

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

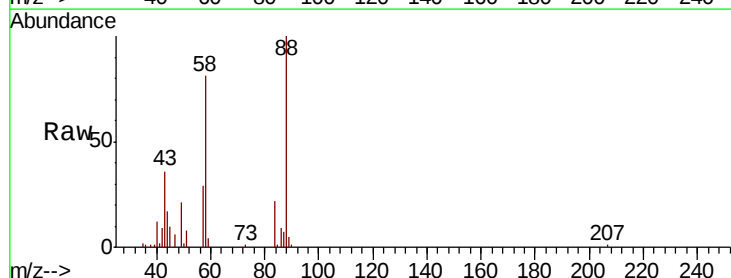
Tgt Ion: 88 Resp: 28096

Ion Ratio Lower Upper

88 100

58 83.0 59.0 88.6

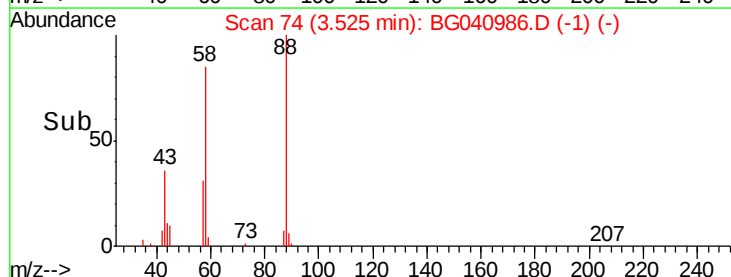
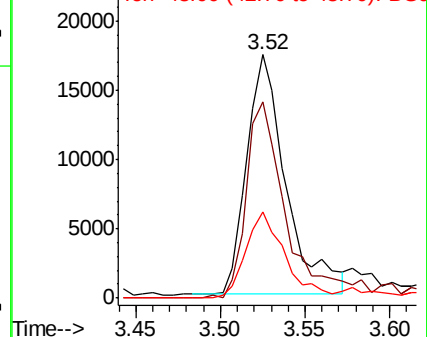
43 35.3 27.2 40.8

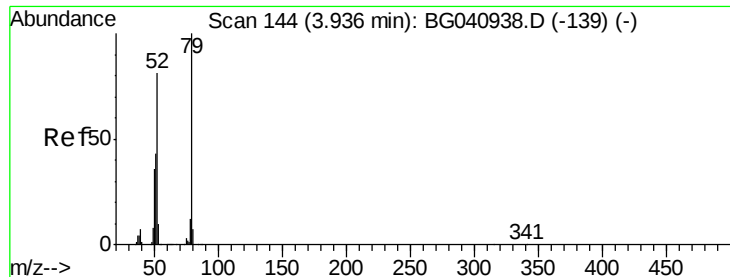


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

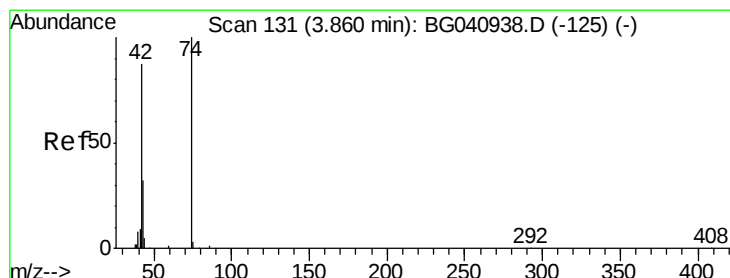
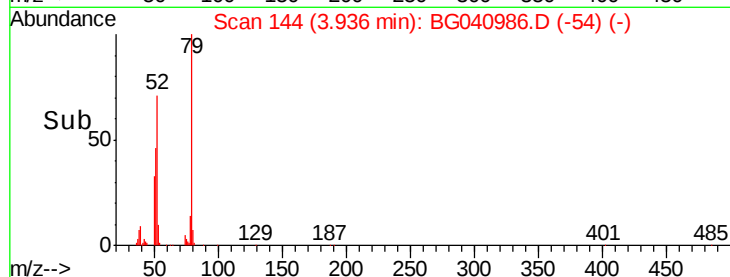
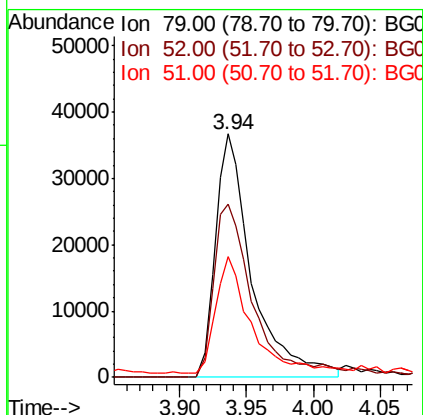
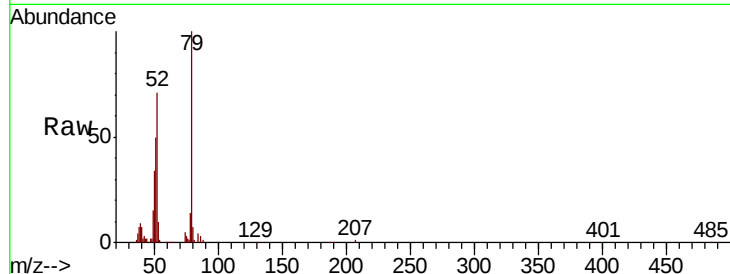




#3
 Pyridine
 Concen: 18.149 ng
 RT: 3.94 min Scan# 144
 Delta R.T. -0.00 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

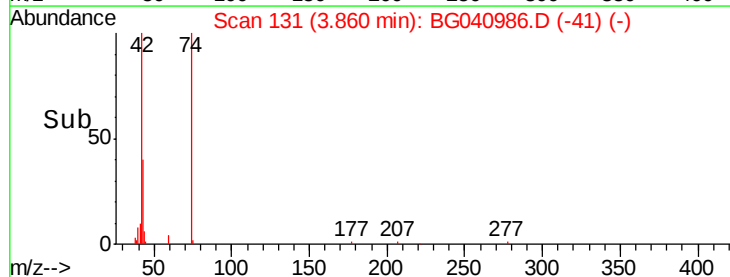
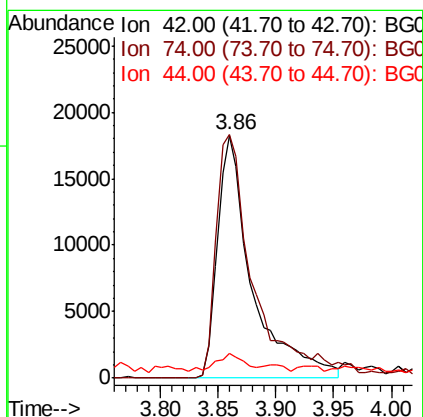
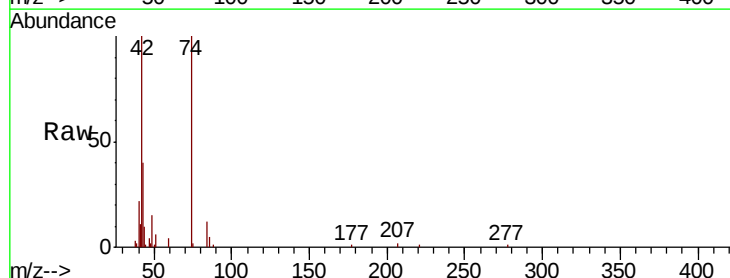
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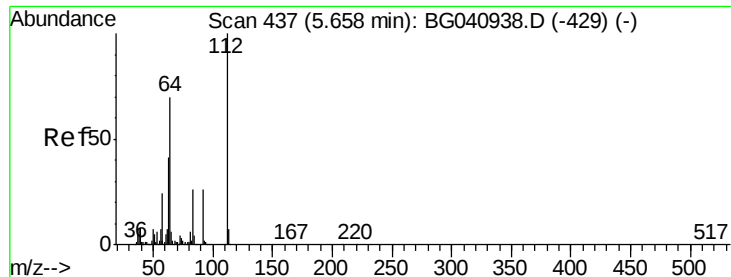
Tgt Ion: 79 Resp: 70244
 Ion Ratio Lower Upper
 79 100
 52 71.3 64.8 97.2
 51 49.7 35.3 52.9



#4
 n-Nitrosodimethylamine
 Concen: 21.086 ng
 RT: 3.86 min Scan# 131
 Delta R.T. -0.00 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion: 42 Resp: 37877
 Ion Ratio Lower Upper
 42 100
 74 100.2 91.8 137.6
 44 10.3 6.0 9.0#





#5

2-Fluorophenol

Concen: 93.392 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

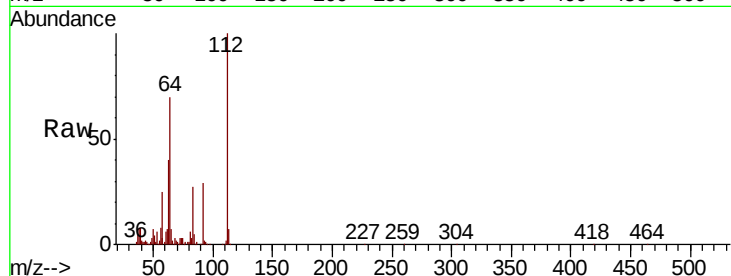
Tgt Ion: 112 Resp: 269200

Ion Ratio Lower Upper

112 100

64 69.6 56.2 84.2

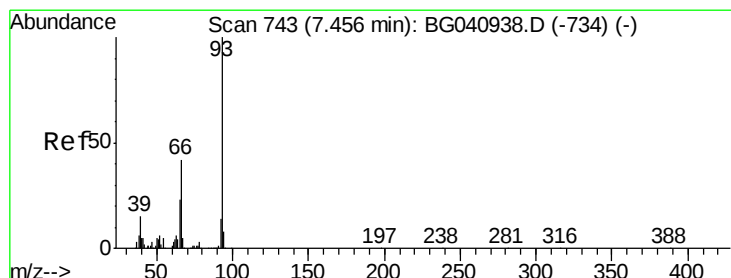
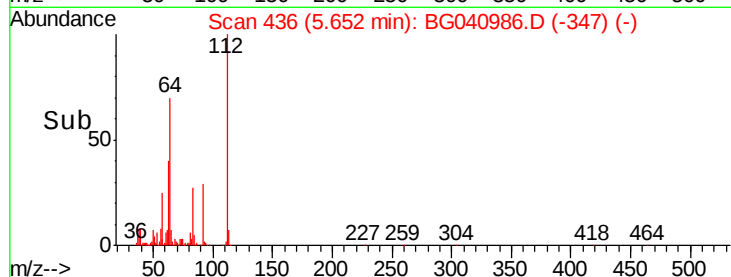
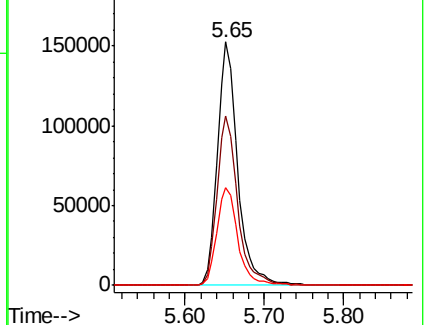
63 40.3 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 19.098 ng

RT: 7.44 min Scan# 741

Delta R.T. -0.01 min

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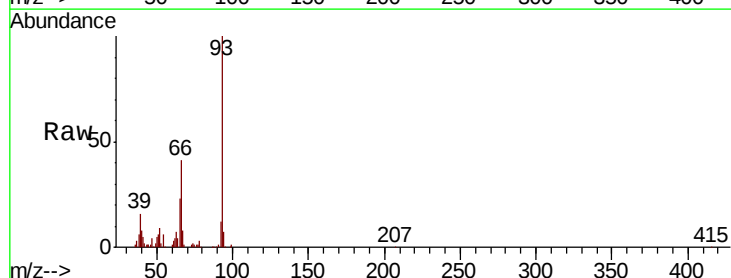
Tgt Ion: 93 Resp: 113480

Ion Ratio Lower Upper

93 100

66 40.7 33.8 50.8

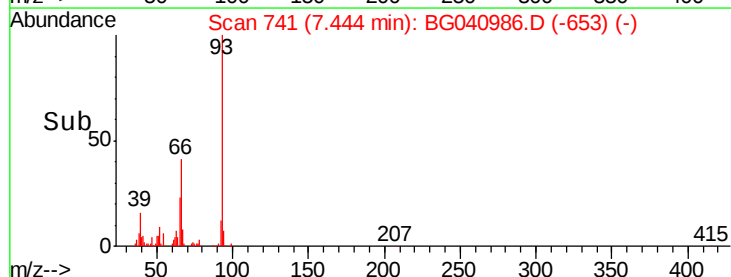
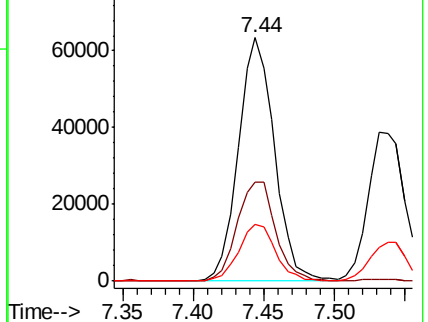
65 23.2 18.3 27.5

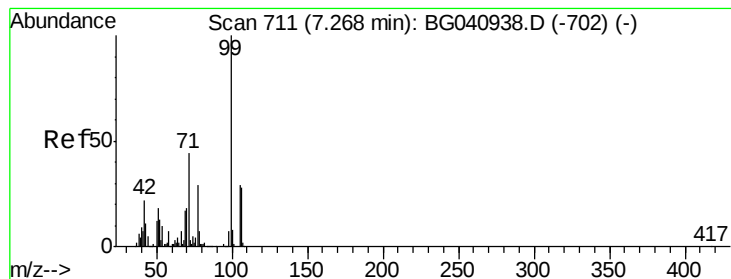


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 87.840 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

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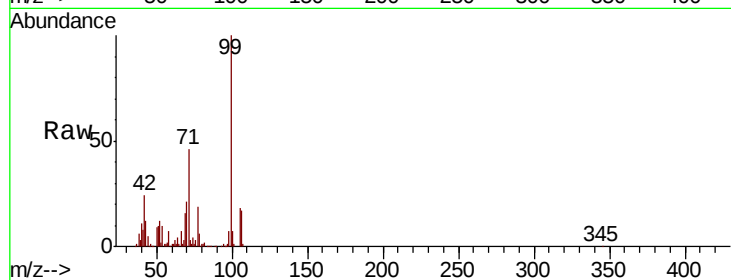
Tgt Ion: 99 Resp: 391034

Ion Ratio Lower Upper

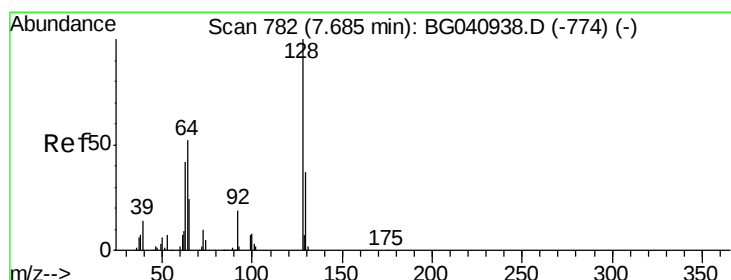
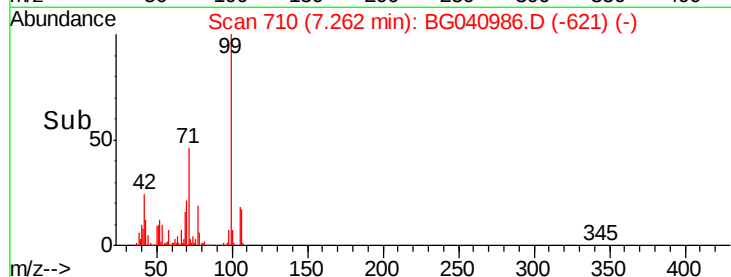
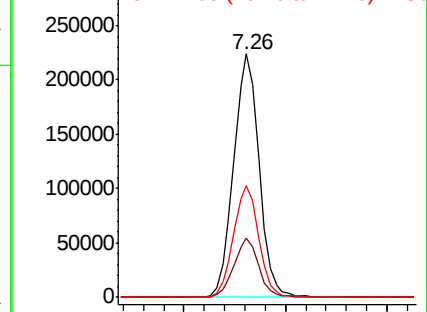
99 100

42 24.2 17.9 26.9

71 45.7 35.4 53.0



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



#8

2-Chlorophenol

Concen: 20.365 ng

RT: 7.68 min Scan# 781

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

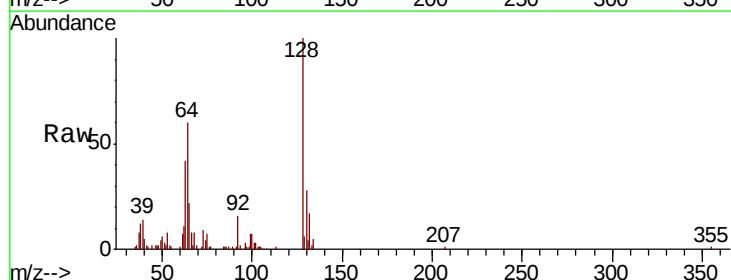
Tgt Ion: 128 Resp: 69984

Ion Ratio Lower Upper

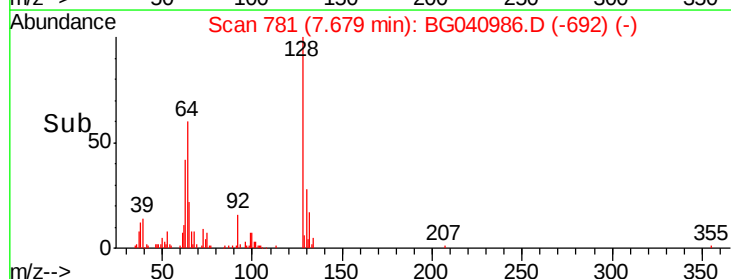
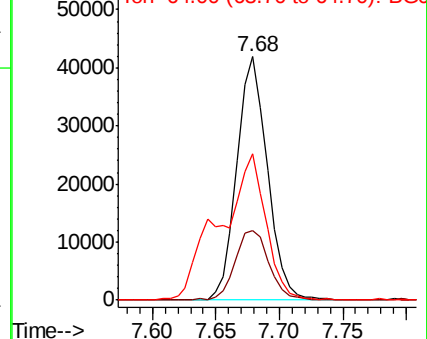
128 100

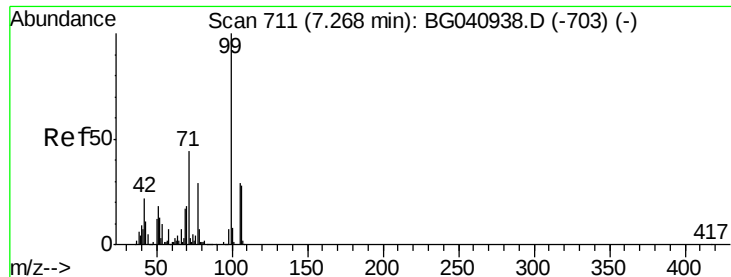
130 28.3 16.6 56.6

64 60.3 37.8 77.8



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





#9

Benzaldehyde

Concen: 30.040 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

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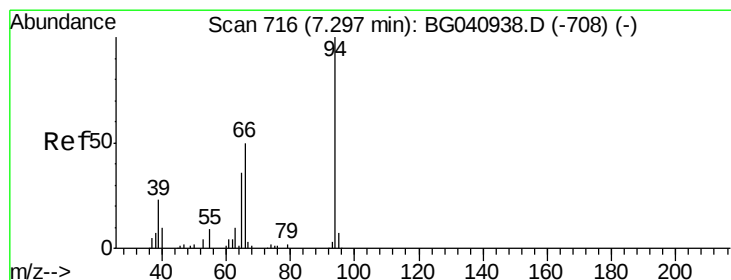
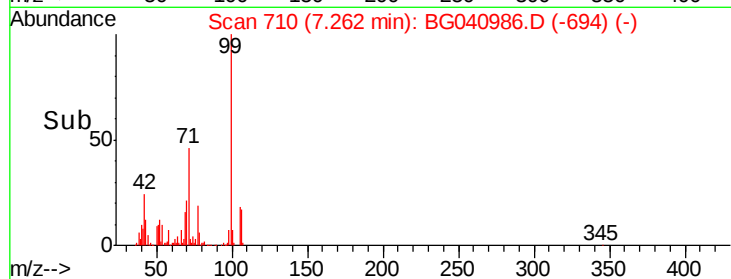
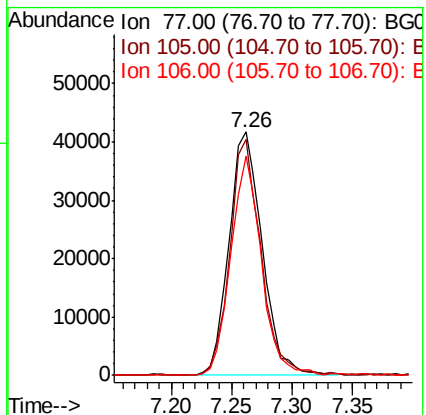
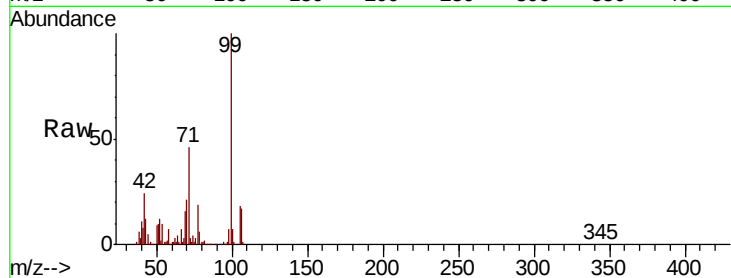
Tgt Ion: 77 Resp: 79773

Ion Ratio Lower Upper

77 100

105 97.0 78.9 118.9

106 90.2 76.7 116.7



#10

Phenol

Concen: 19.190 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

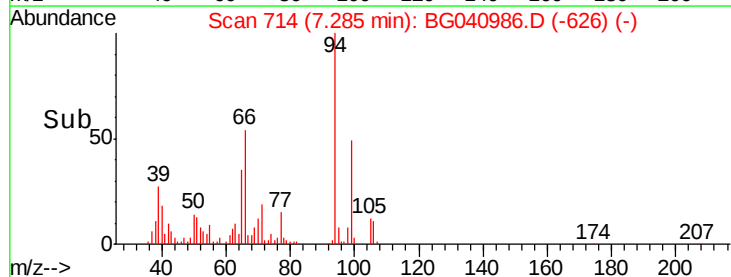
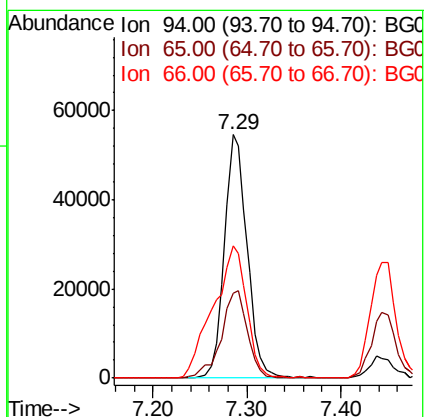
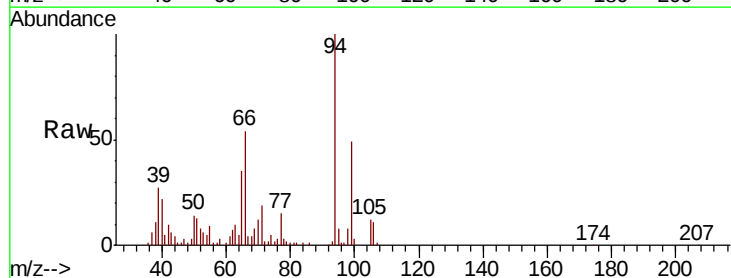
Tgt Ion: 94 Resp: 91594

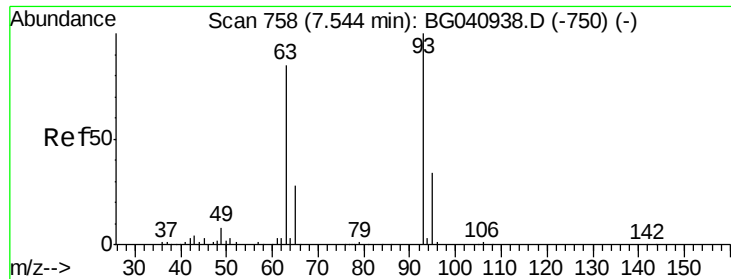
Ion Ratio Lower Upper

94 100

65 35.0 17.0 57.0

66 54.2 32.4 72.4

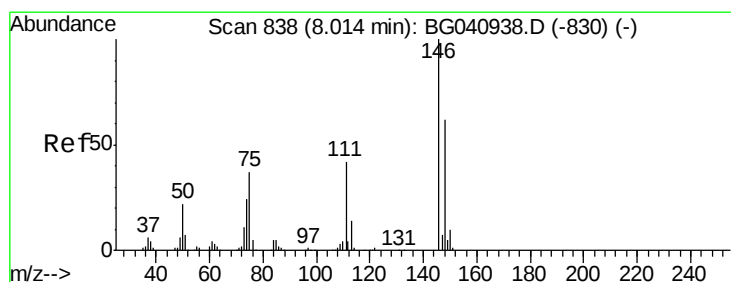
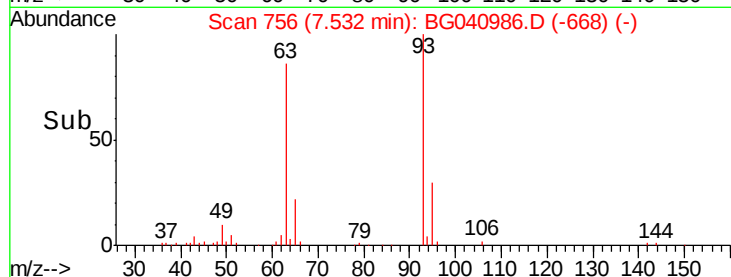
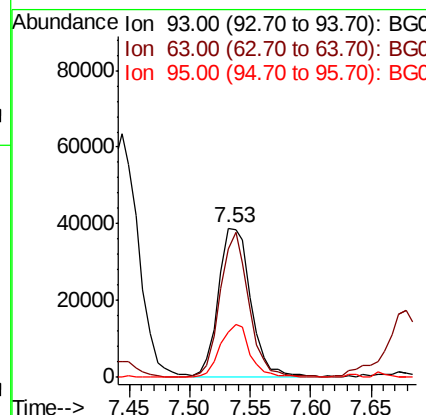
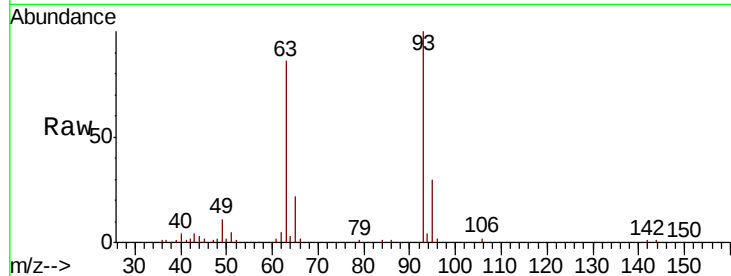




#11
bis(2-Chloroethyl)ether
Concen: 20.561 ng
RT: 7.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

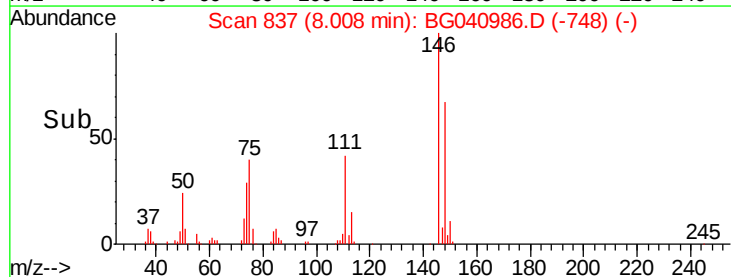
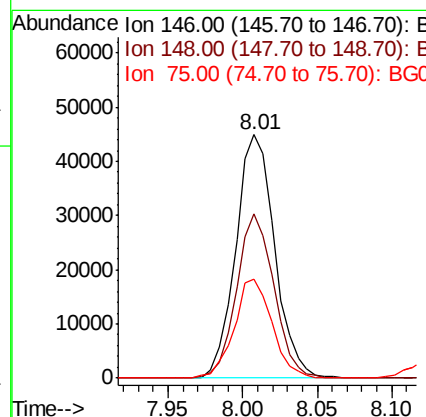
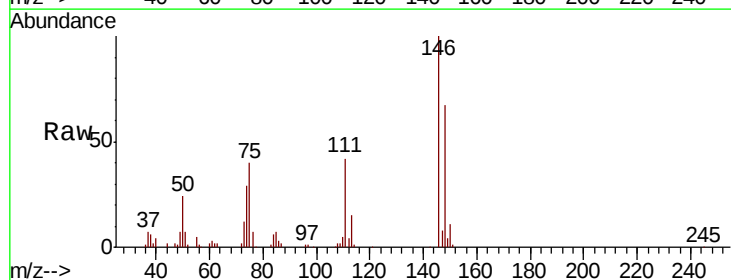
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

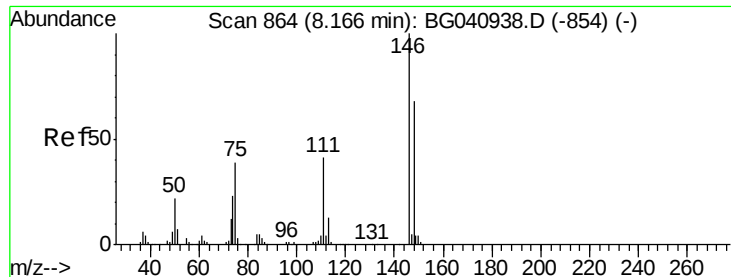
Tgt Ion: 93 Resp: 71196
Ion Ratio Lower Upper
93 100
63 86.0 64.5 104.5
95 30.0 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 19.816 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion: 146 Resp: 81334
Ion Ratio Lower Upper
146 100
148 67.3 49.2 73.8
75 40.5 29.4 44.0

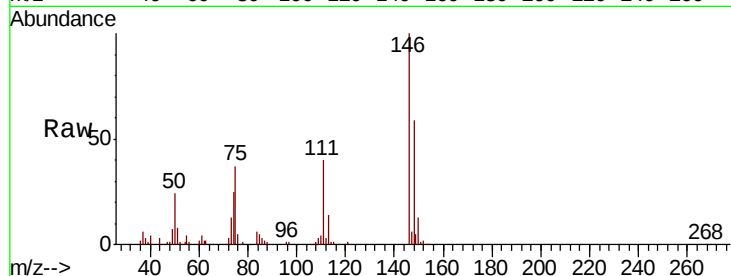




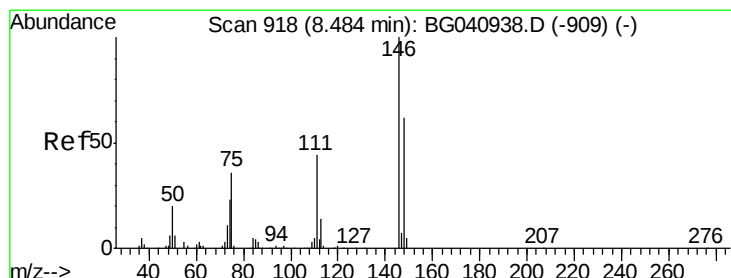
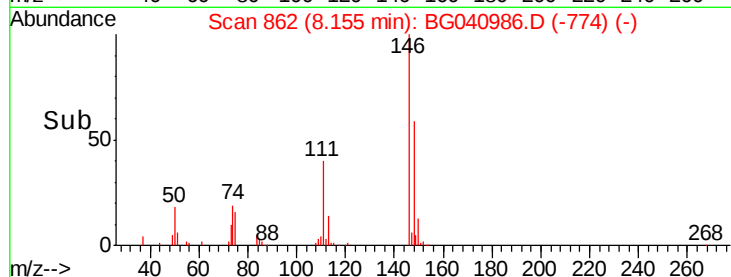
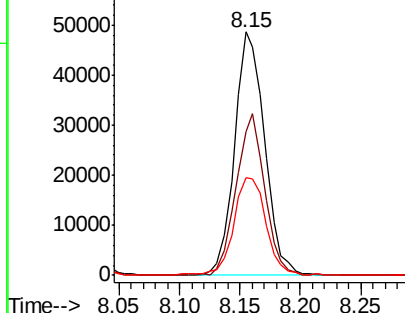
#13
 1,4-Dichlorobenzene
 Concen: 20.252 ng
 RT: 8.15 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion:146 Resp: 84137
 Ion Ratio Lower Upper
 146 100
 148 58.8 54.2 81.4
 111 40.0 32.9 49.3

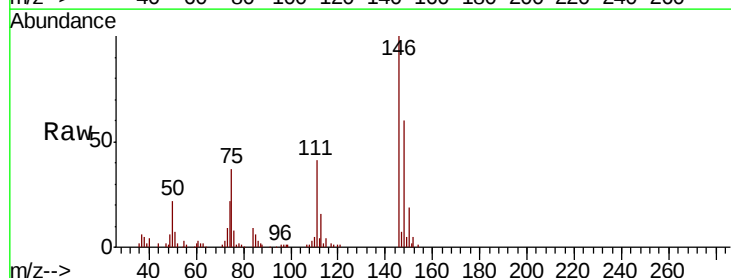


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

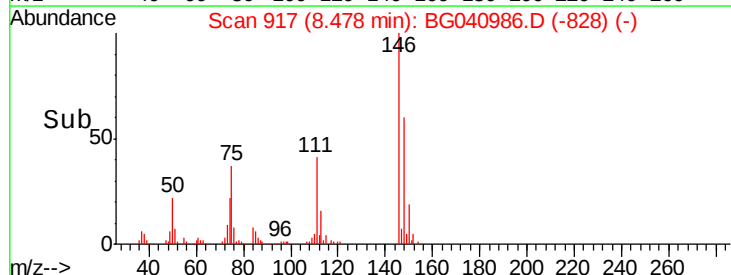
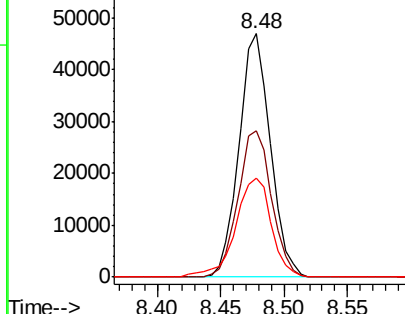


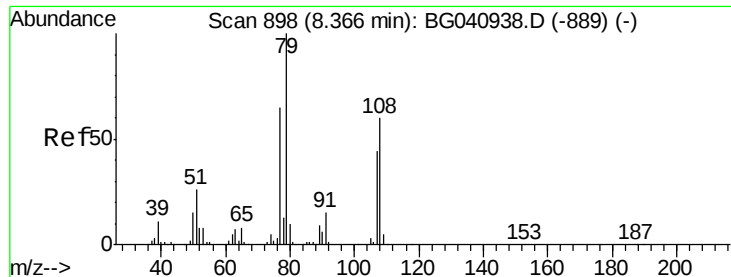
#14
 1,2-Dichlorobenzene
 Concen: 19.981 ng
 RT: 8.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion:146 Resp: 80601
 Ion Ratio Lower Upper
 146 100
 148 60.3 49.8 74.6
 111 40.8 35.0 52.4



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





#15

Benzyl Alcohol

Concen: 19.709 ng

RT: 8.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

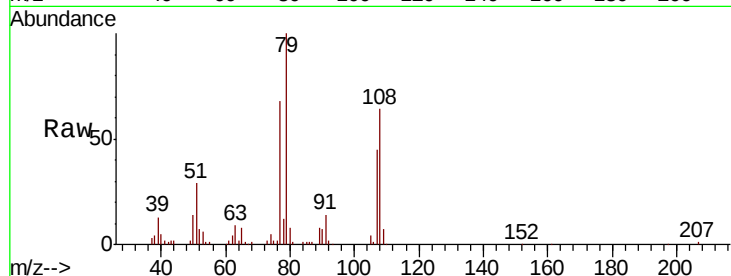
Tgt Ion: 79 Resp: 81162

Ion Ratio Lower Upper

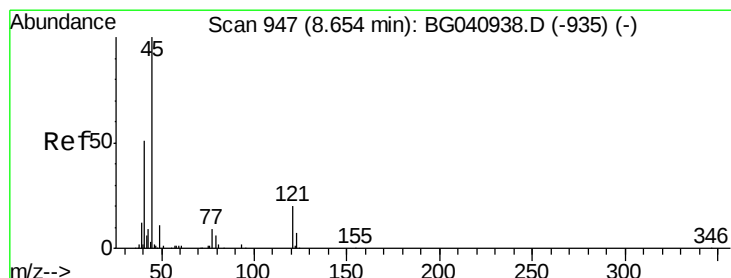
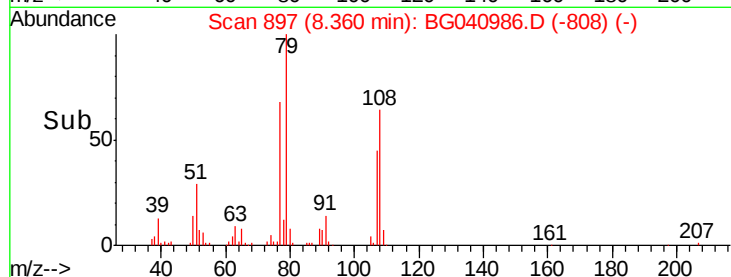
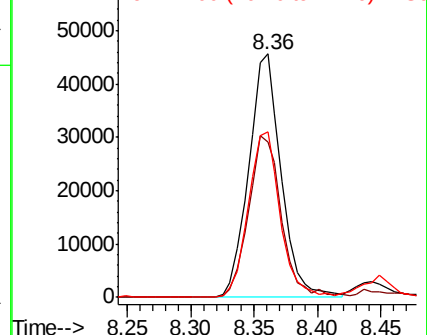
79 100

108 64.0 48.3 72.5

77 67.9 52.3 78.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.092 ng

RT: 8.64 min Scan# 945

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

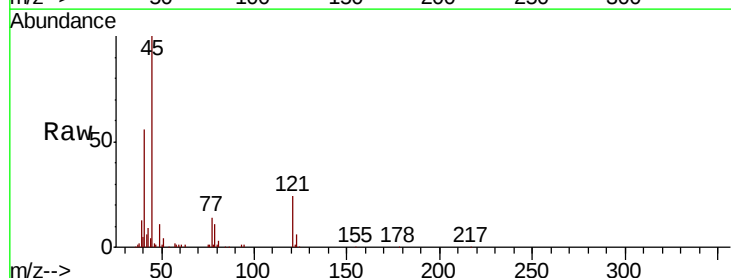
Tgt Ion: 45 Resp: 113681

Ion Ratio Lower Upper

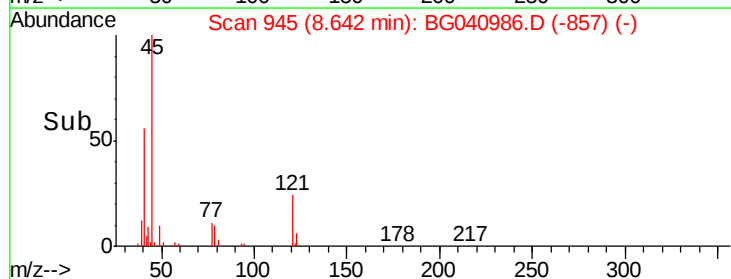
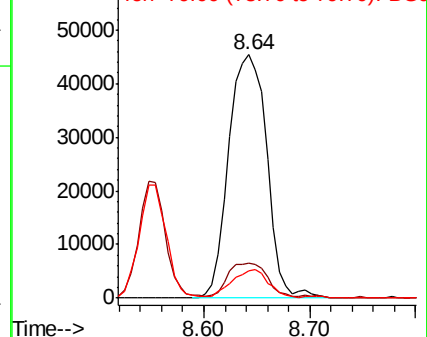
45 100

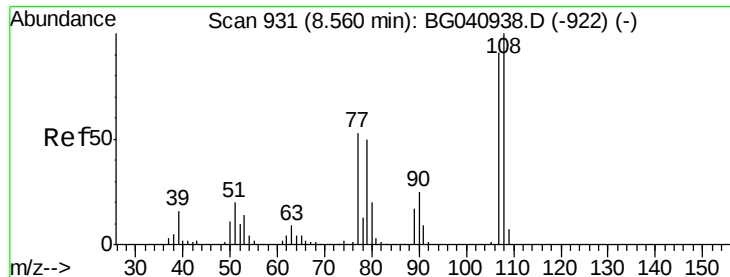
77 14.5 0.0 33.7

79 11.0 0.0 30.2



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

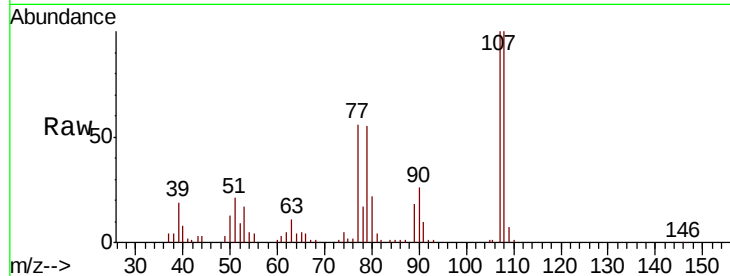




#17
2-Methylphenol
Concen: 19.236 ng
RT: 8.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:	107	Resp:	66479
Ion	Ratio	Lower	Upper
107	100		
108	99.8	87.7	131.5
77	56.4	46.6	70.0
79	54.7	44.6	66.8



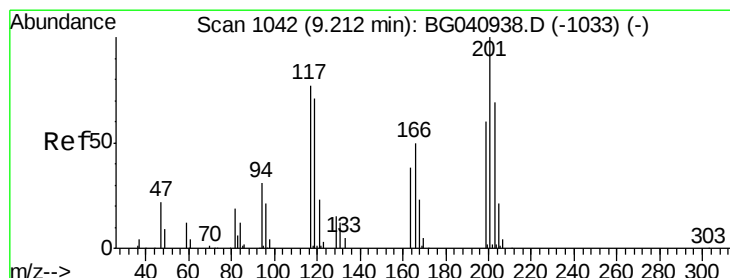
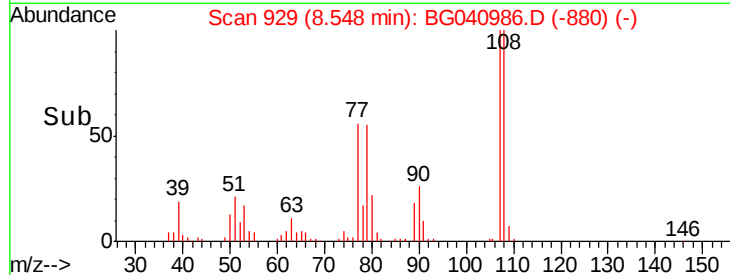
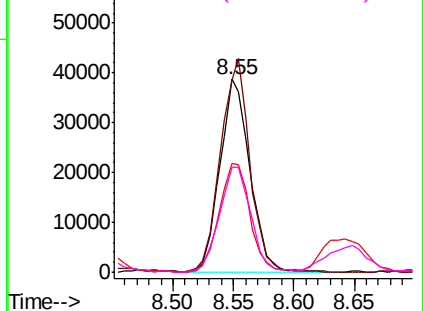
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

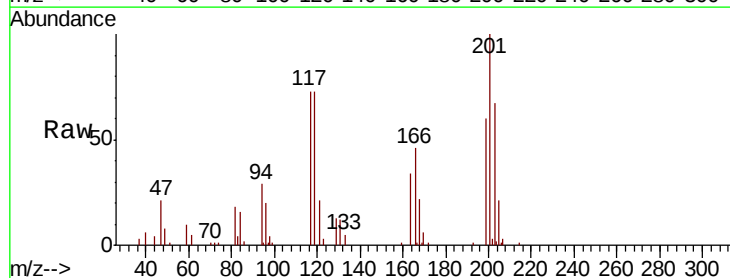
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 19.638 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:	117	Resp:	31445
Ion	Ratio	Lower	Upper
117	100		
119	100.0	75.0	112.6
201	136.9	103.5	155.3

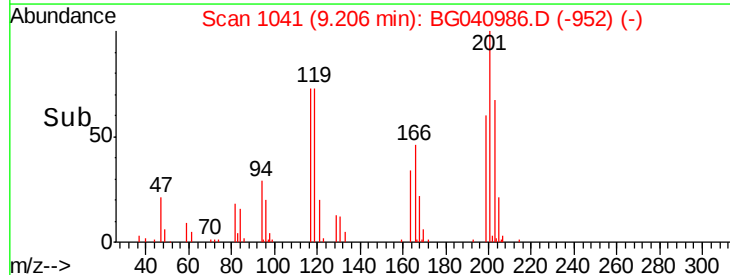
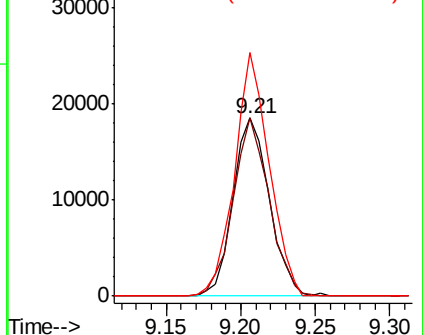


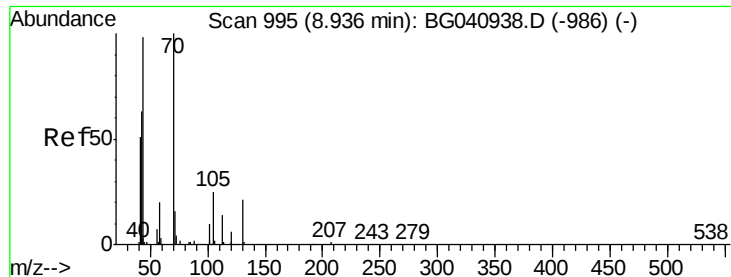
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

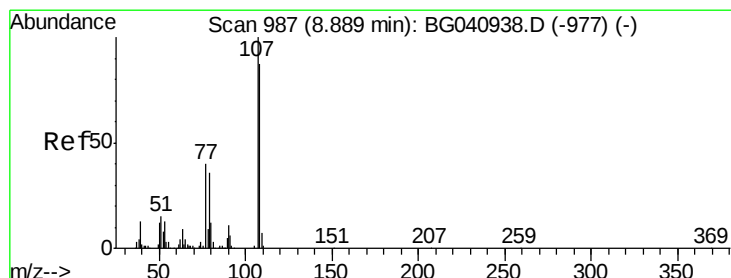
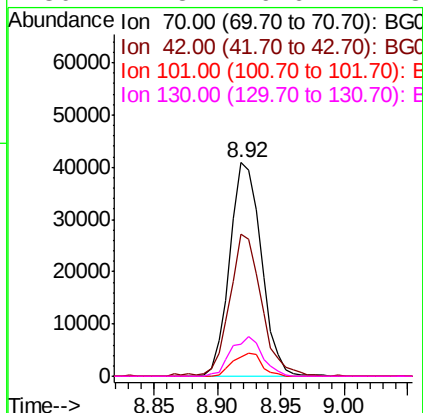
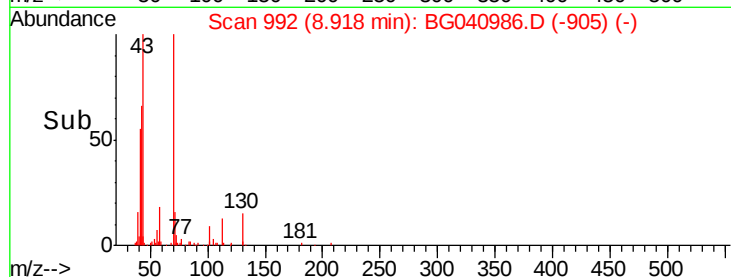
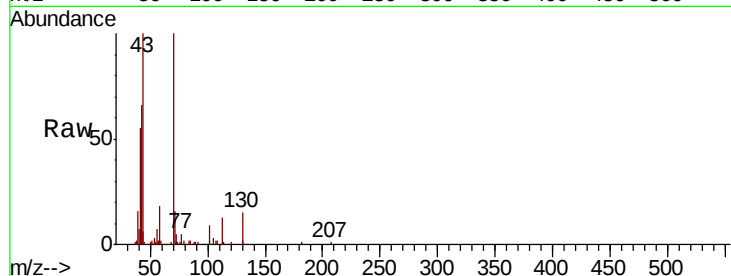




#19
n-Nitroso-di-n-propylamine
Concen: 20.513 ng
RT: 8.92 min Scan# 992
Delta R.T. -0.02 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

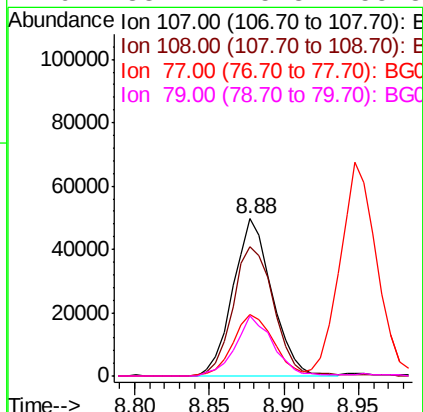
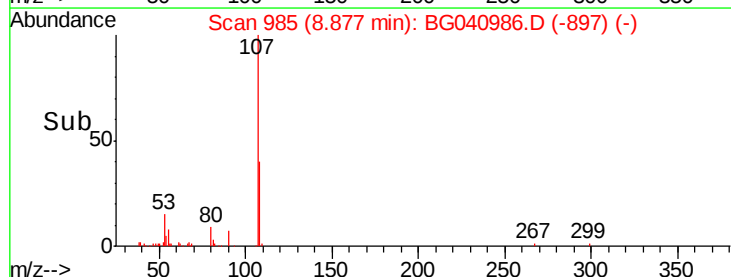
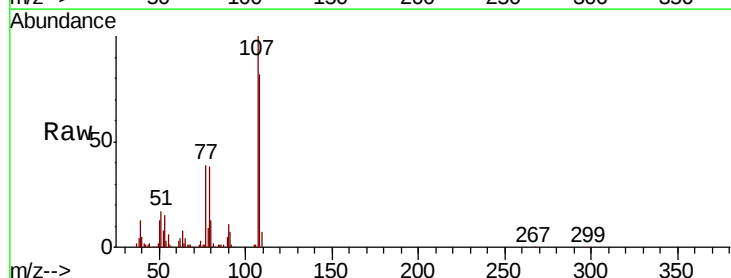
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

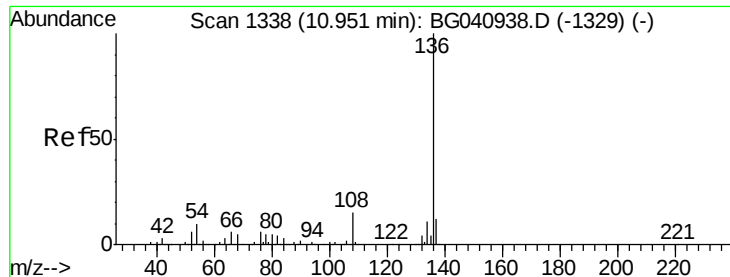
Tgt Ion:	70	Resp:	70274
Ion	Ratio	Lower	Upper
70	100		
42	66.4	51.5	77.3
101	8.9	8.1	12.1
130	14.8	16.6	24.8#



#20
3+4-Methylphenols
Concen: 18.830 ng
RT: 8.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:	107	Resp:	90141
Ion	Ratio	Lower	Upper
107	100		
108	82.3	66.8	106.8
77	39.3	20.5	60.5
79	38.1	15.8	55.8

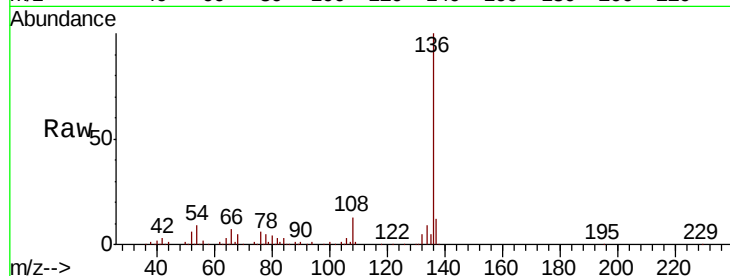




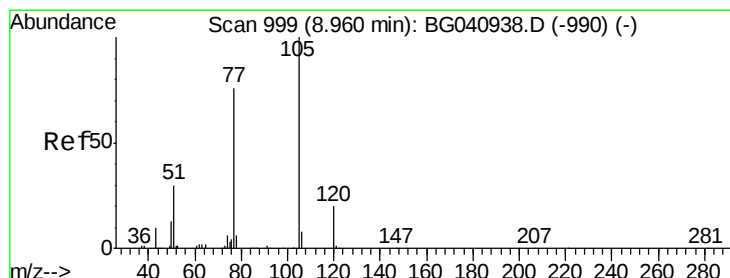
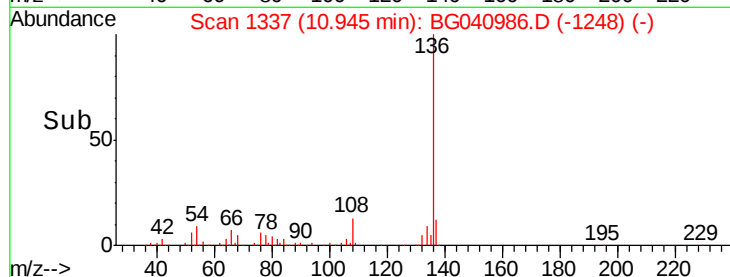
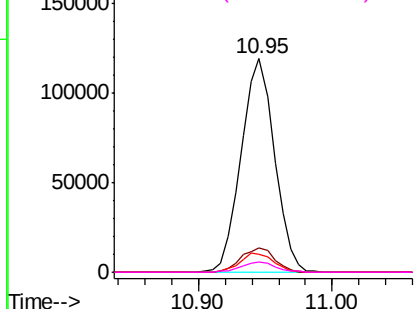
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:	136	Resp:	205340
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.5	14.3
54	8.7	7.6	11.4
68	5.0	3.9	5.9

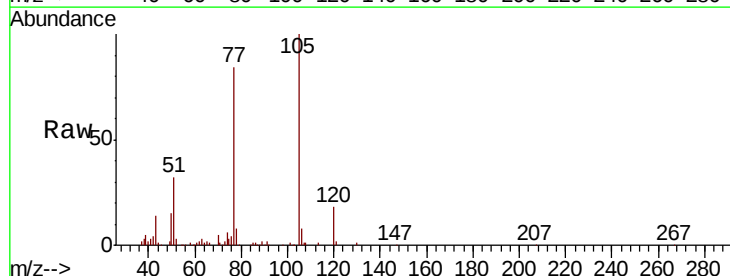


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

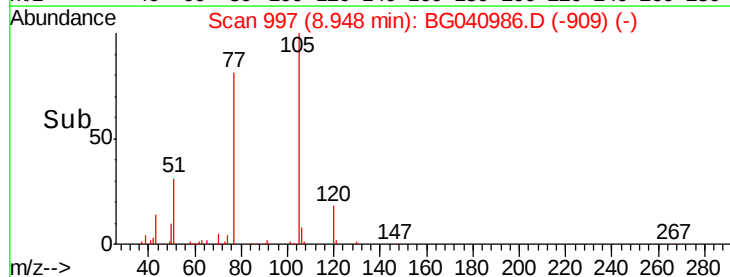
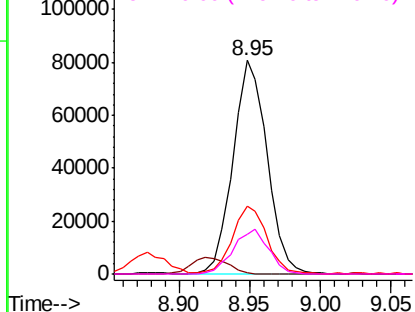


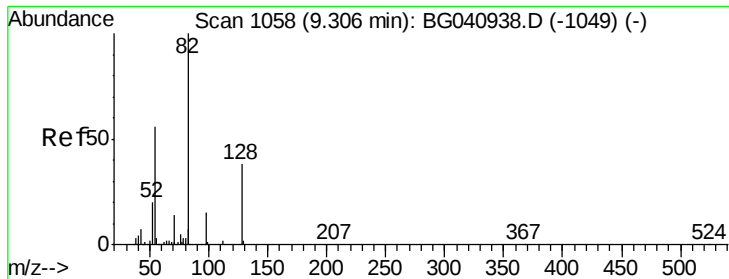
#22
Acetophenone
Concen: 23.504 ng
RT: 8.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:	105	Resp:	135387
Ion Ratio	Lower	Upper	
105	100		
71	0.6	0.4	0.6
51	31.7	27.0	40.6
120	18.5	16.2	24.4



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

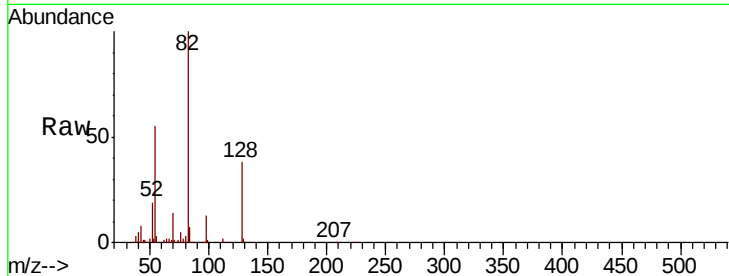




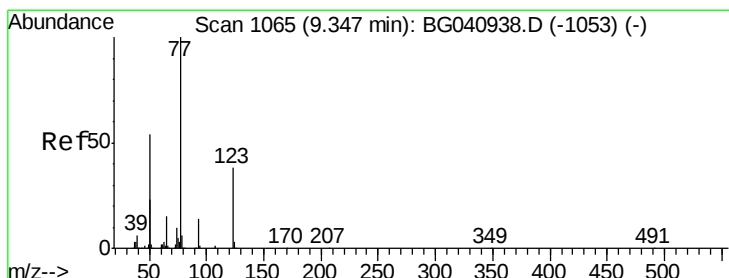
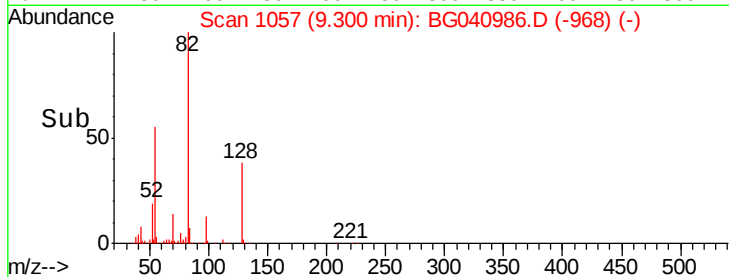
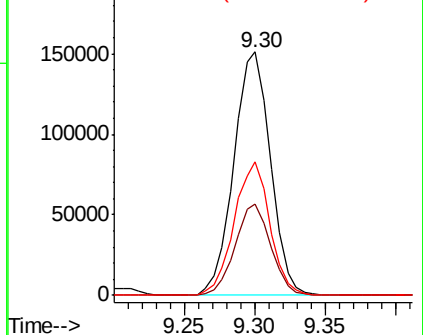
#23
 Nitrobenzene-d5
 Concen: 59.309 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion: 82 Resp: 274329
 Ion Ratio Lower Upper
 82 100
 128 37.7 30.5 45.7
 54 55.1 44.6 66.8

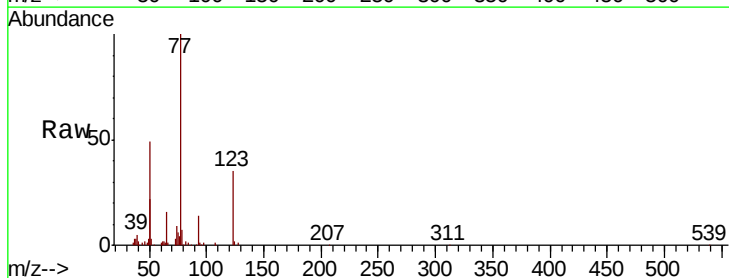


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

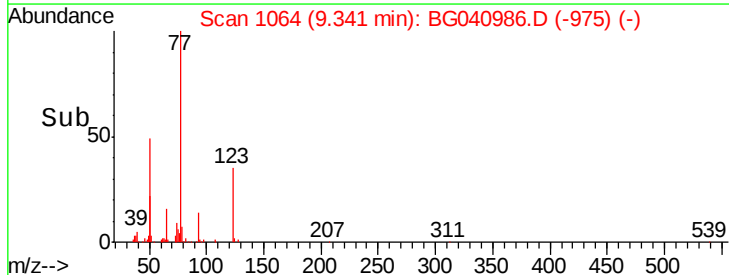
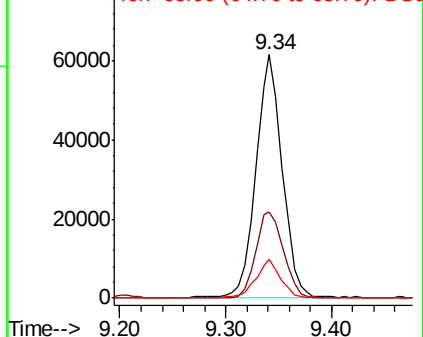


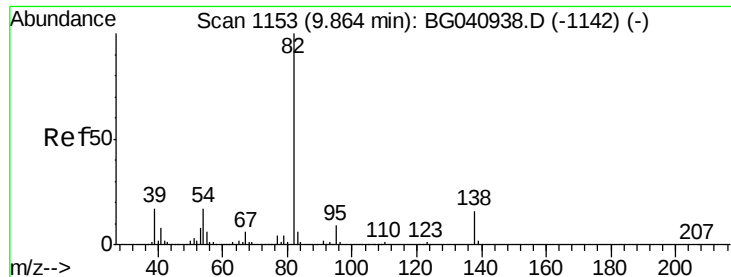
#24
 Nitrobenzene
 Concen: 22.740 ng
 RT: 9.34 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion: 77 Resp: 107191
 Ion Ratio Lower Upper
 77 100
 123 35.4 30.6 46.0
 65 16.0 12.3 18.5



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





#25

Isophorone

Concen: 21.575 ng

RT: 9.85 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

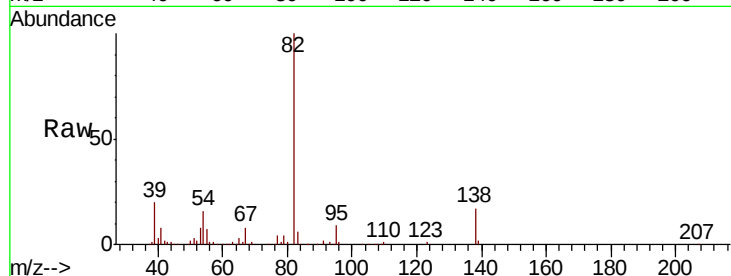
Tgt Ion: 82 Resp: 189914

Ion Ratio Lower Upper

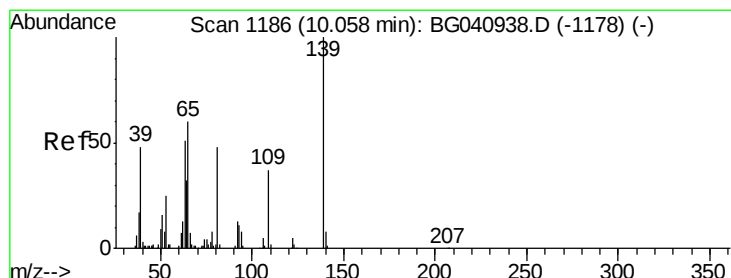
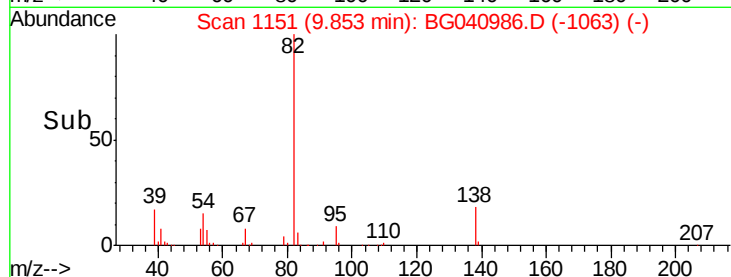
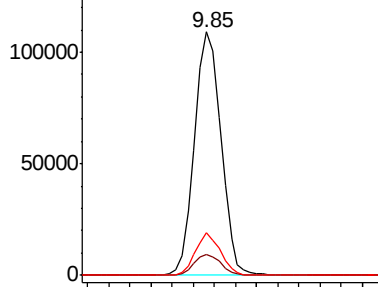
82 100

95 8.7 7.0 10.4

138 17.4 12.6 19.0



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: 21.876 ng

RT: 10.05 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

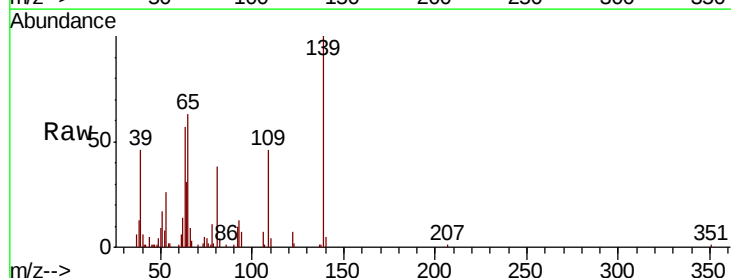
Tgt Ion: 139 Resp: 42510

Ion Ratio Lower Upper

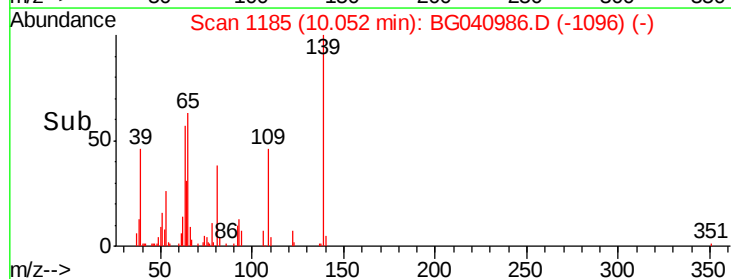
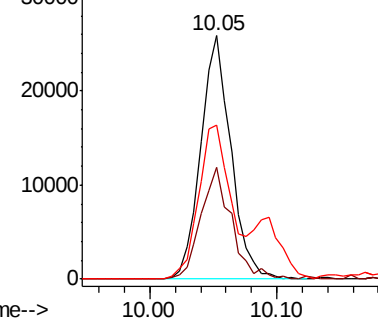
139 100

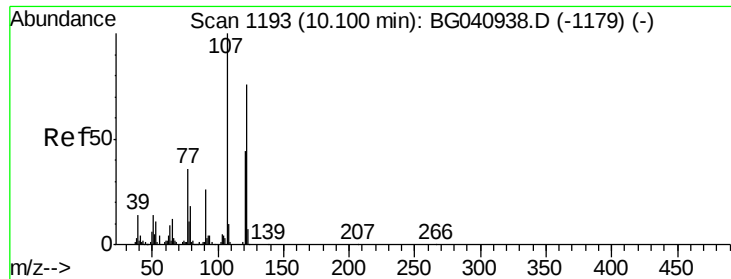
109 45.7 29.8 44.6#

65 63.1 47.8 71.6



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

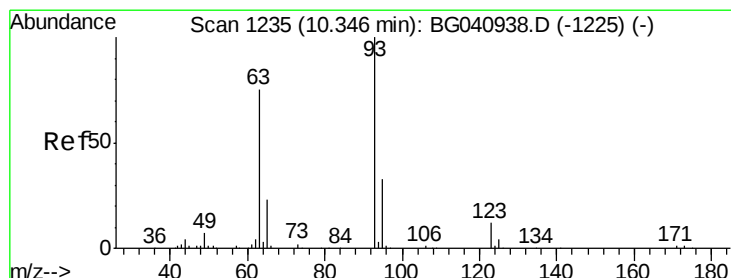
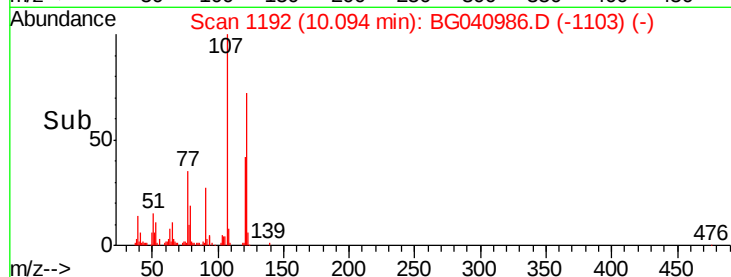
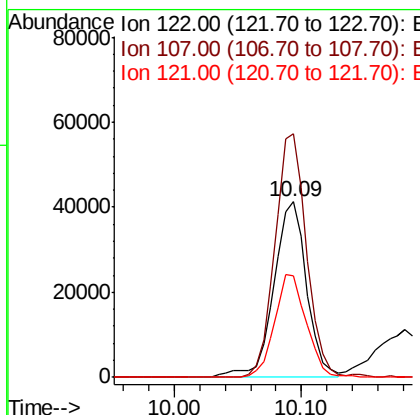
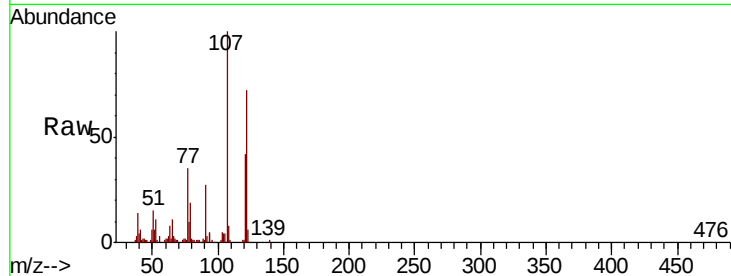




#27
 2,4-Dimethylphenol
 Concen: 23.154 ng
 RT: 10.09 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

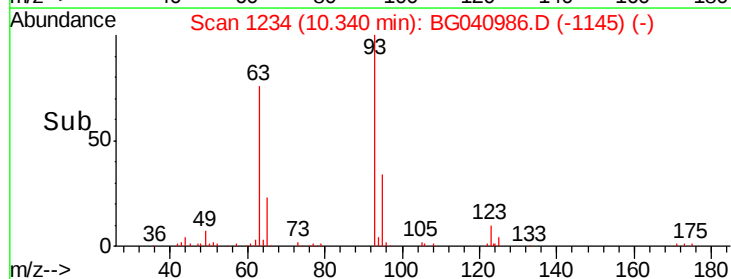
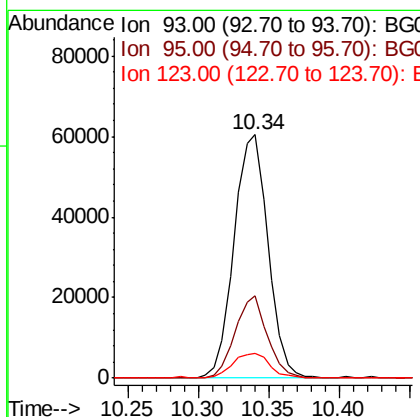
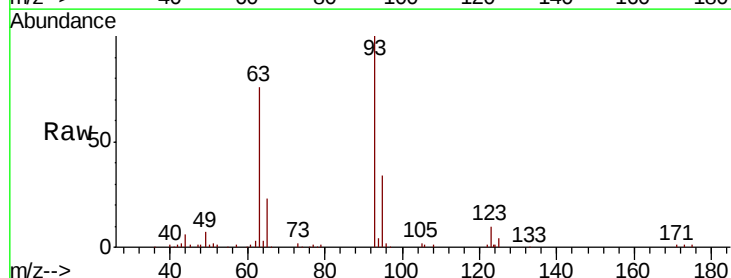
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

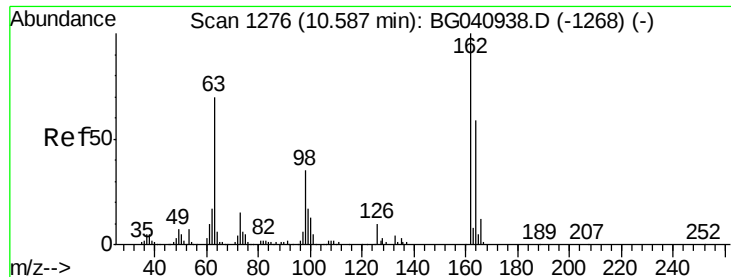
Tgt Ion	Ratio	Lower	Upper
122	100		
107	138.9	105.9	158.9
121	58.2	46.2	69.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 21.358 ng
 RT: 10.34 min Scan# 1234
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.2	39.2
123	10.7	9.5	14.3

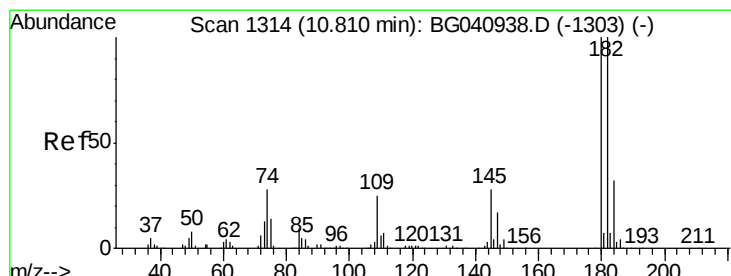
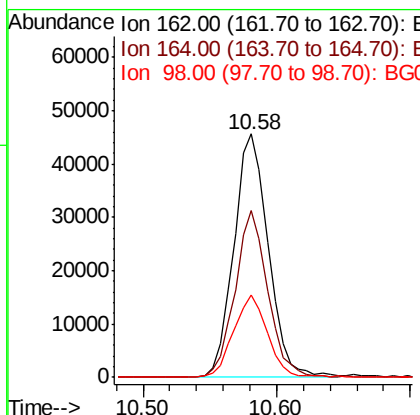
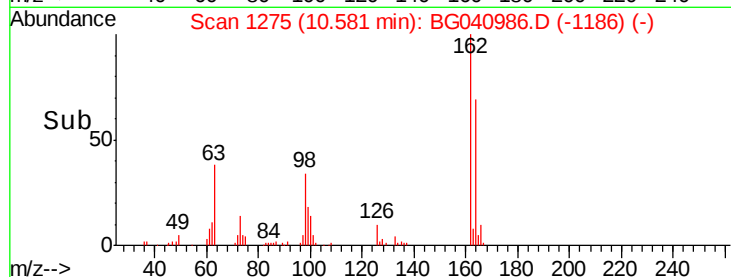
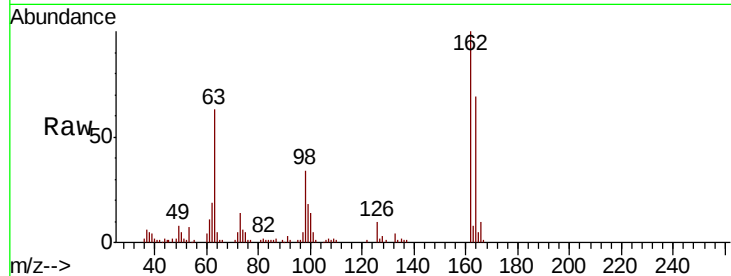




#29
2,4-Dichlorophenol
Concen: 20.069 ng
RT: 10.58 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

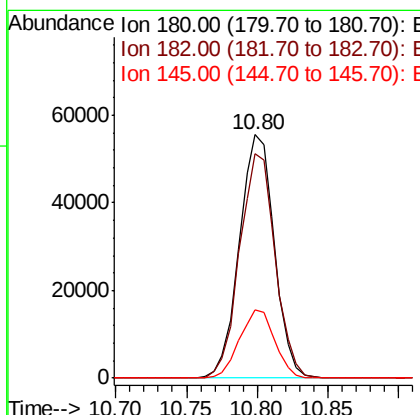
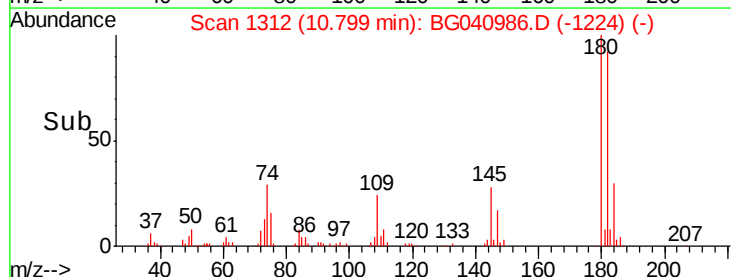
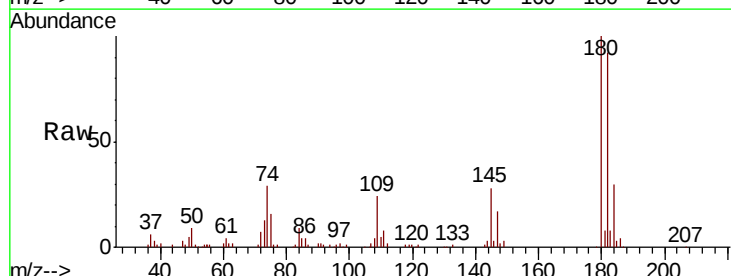
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

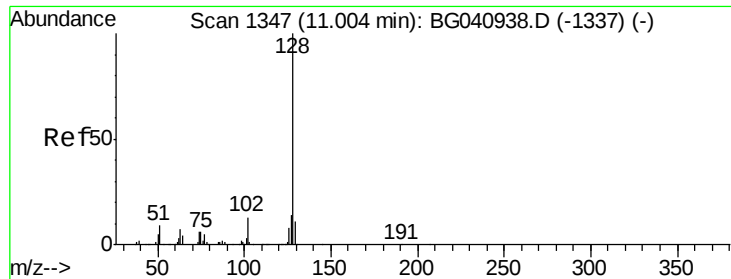
Tgt Ion	Ratio	Lower	Upper
162	100		
164	68.5	39.4	79.4
98	33.7	15.3	55.3



#30
1,2,4-Trichlorobenzene
Concen: 20.716 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	79.7	119.5
145	28.0	22.6	34.0

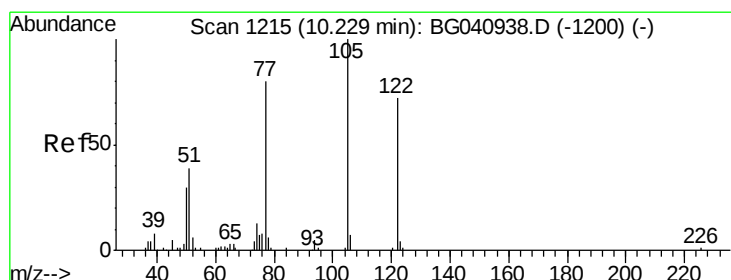
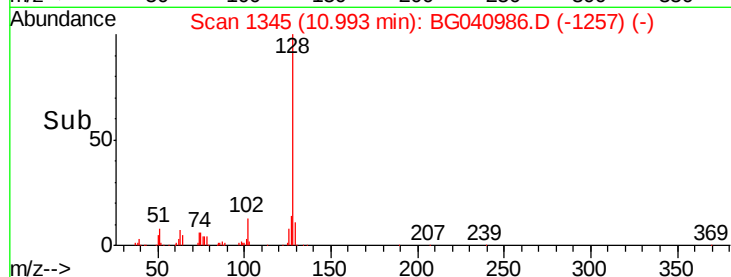
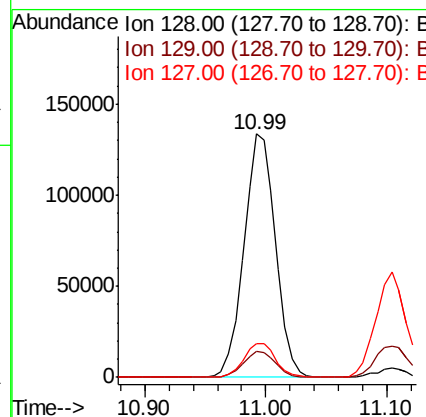
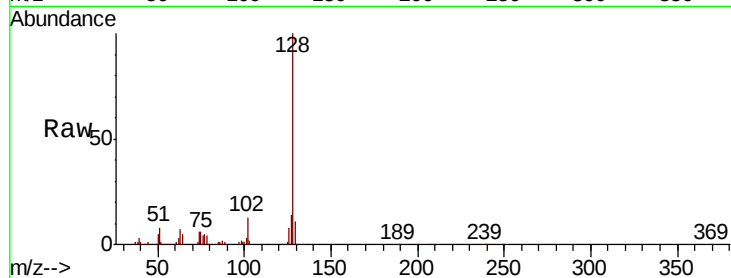




#31
Naphthalene
Concen: 21.959 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

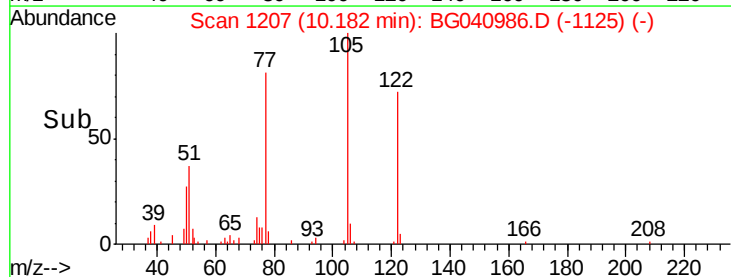
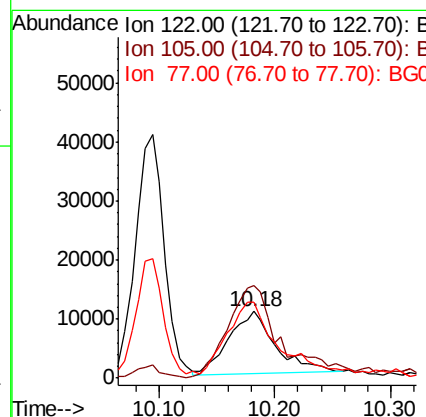
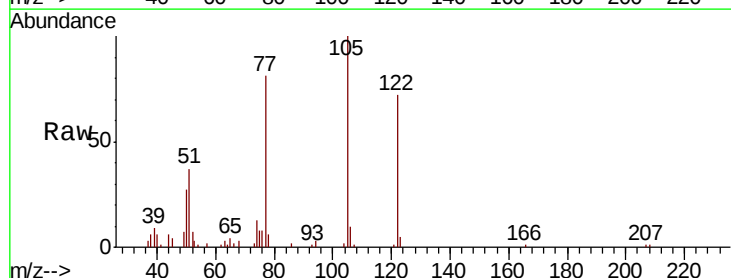
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

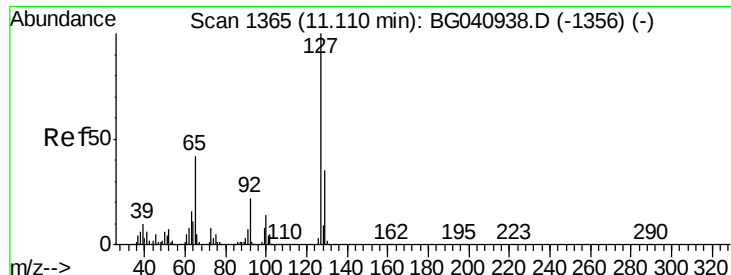
Tgt Ion:128 Resp: 242100
Ion Ratio Lower Upper
128 100
129 10.5 8.5 12.7
127 14.0 11.4 17.2



#32
Benzoic acid
Concen: 18.088 ng
RT: 10.18 min Scan# 1207
Delta R.T. -0.05 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:122 Resp: 29917
Ion Ratio Lower Upper
122 100
105 139.3 114.8 154.8
77 113.1 89.9 129.9

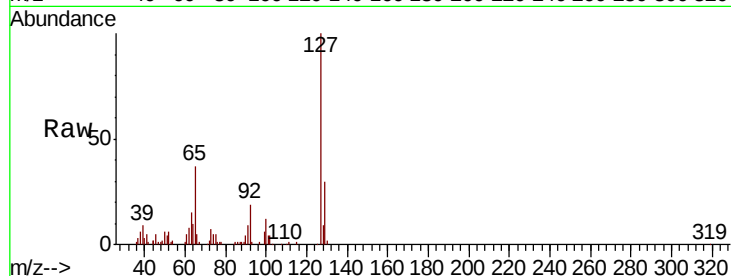




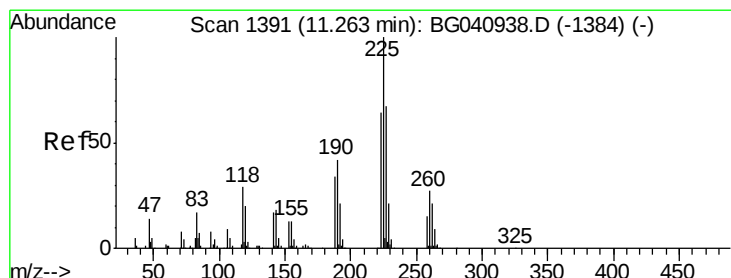
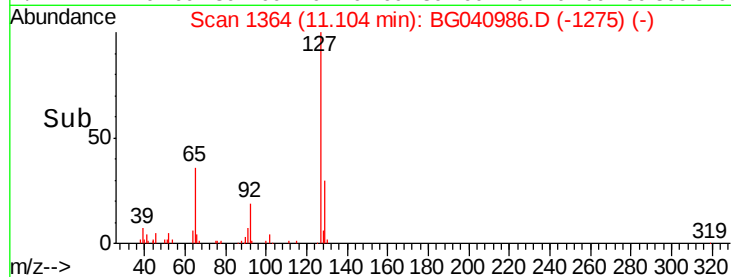
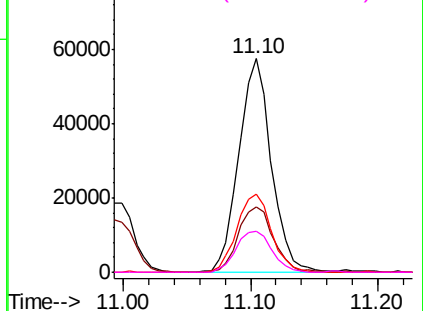
#33
4-Chloroaniline
Concen: 19.938 ng
RT: 11.10 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:	127	Resp:	101990
Ion	Ratio	Lower	Upper
127	100		
129	30.3	27.7	41.5
65	36.6	33.2	49.8
92	18.9	17.2	25.8

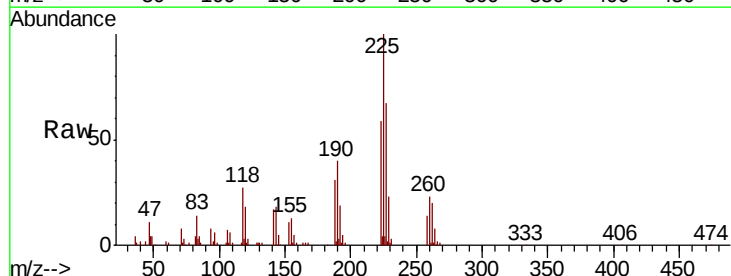


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

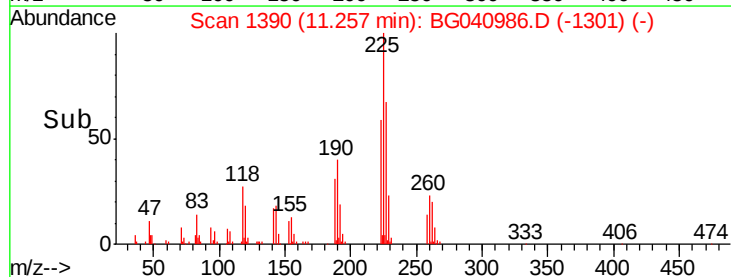
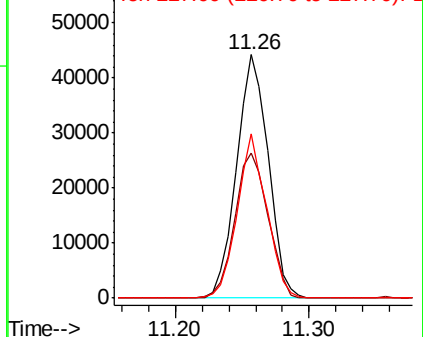


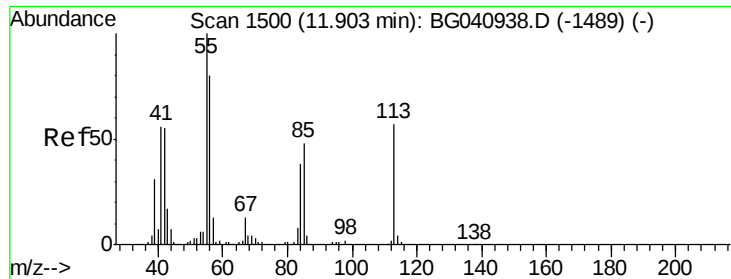
#34
Hexachlorobutadiene
Concen: 20.494 ng
RT: 11.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:	225	Resp:	72701
Ion	Ratio	Lower	Upper
225	100		
223	56.9	48.8	73.2
227	66.5	51.4	77.0



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

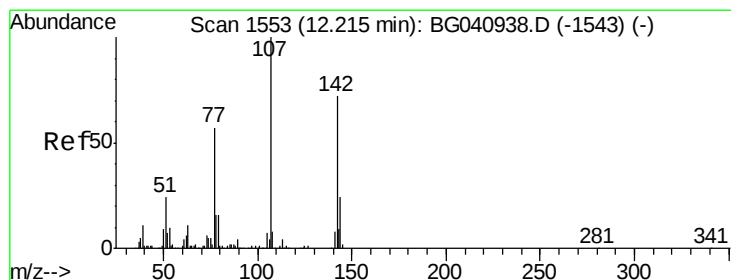
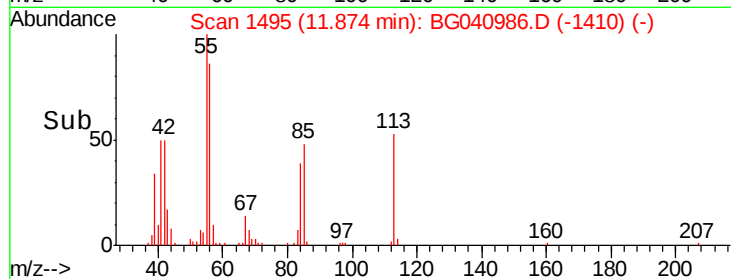
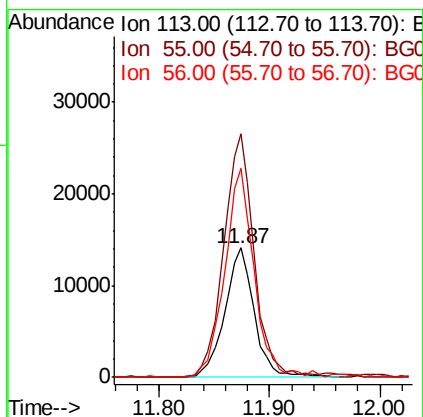
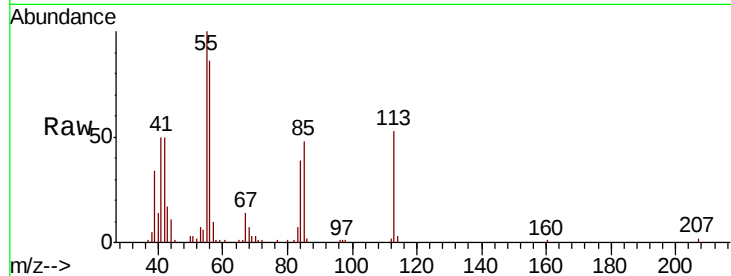




#35
 Caprolactam
 Concen: 19.499 ng
 RT: 11.87 min Scan# 1495
 Delta R.T. -0.03 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

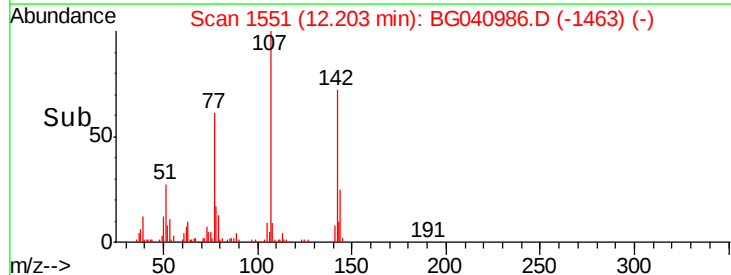
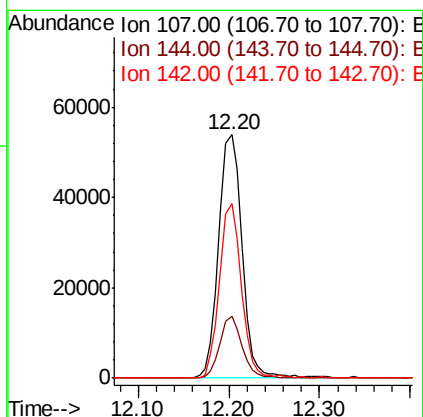
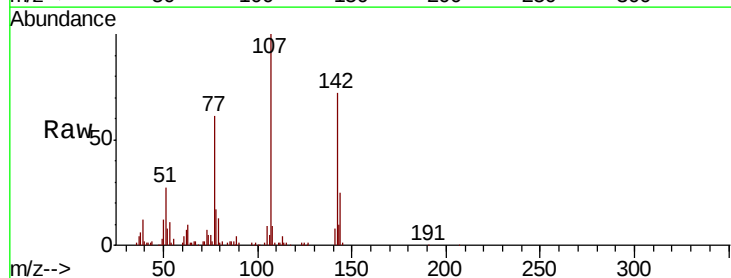
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

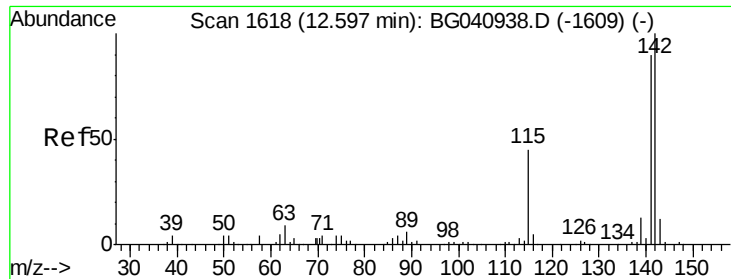
Tgt Ion:113 Resp: 26242
 Ion Ratio Lower Upper
 113 100
 55 188.0 155.9 195.9
 56 161.1 119.9 159.9#



#36
 4-Chloro-3-methylphenol
 Concen: 20.818 ng
 RT: 12.20 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion:107 Resp: 96896
 Ion Ratio Lower Upper
 107 100
 144 25.2 19.4 29.0
 142 71.6 57.3 85.9

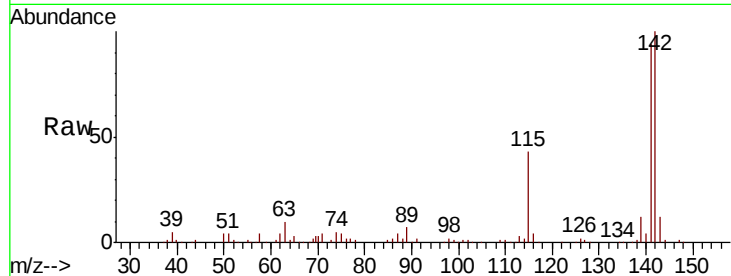




#37
 2-Methylnaphthalene
 Concen: 21.485 ng
 RT: 12.59 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	72.2	108.4
115	43.0	36.2	54.4

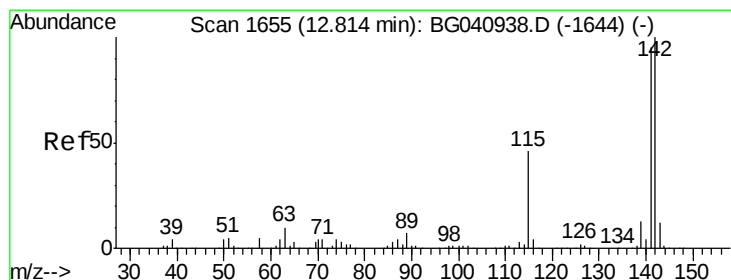
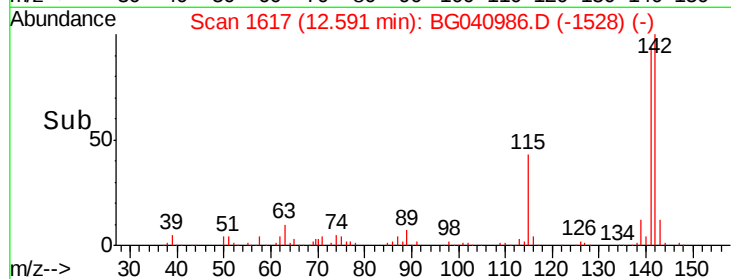
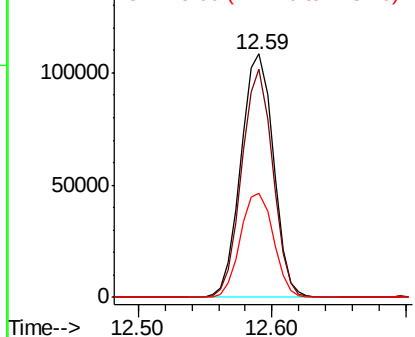


Abundance

Ion 142.00 (141.70 to 142.70): E

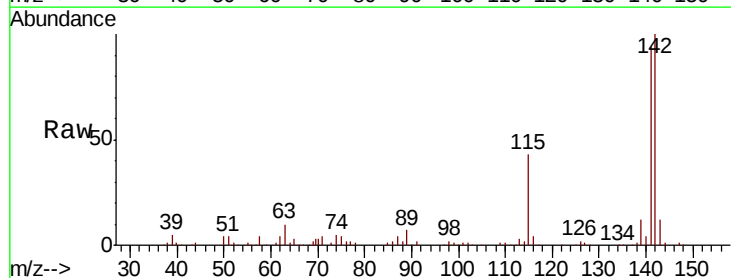
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 1-Methylnaphthalene
 Concen: 22.799 ng
 RT: 12.59 min Scan# 1617
 Delta R.T. -0.22 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	75.7	113.5
116	4.2	3.4	5.2

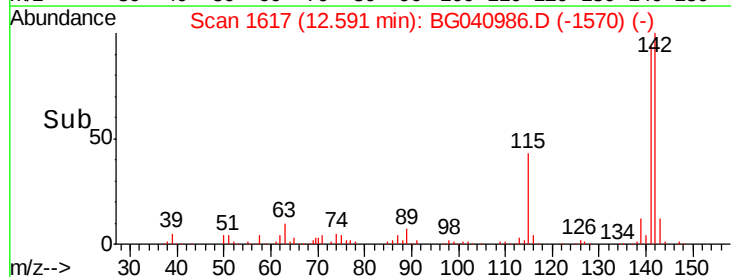
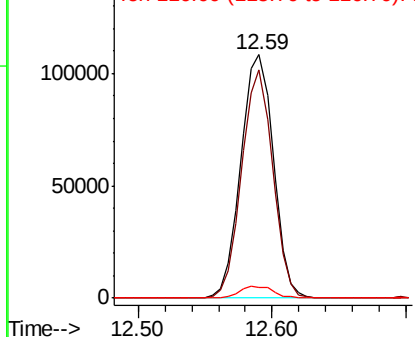


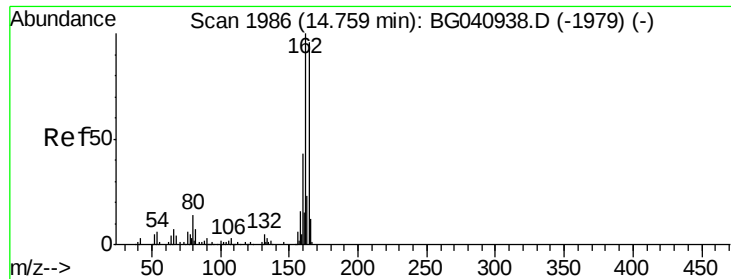
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

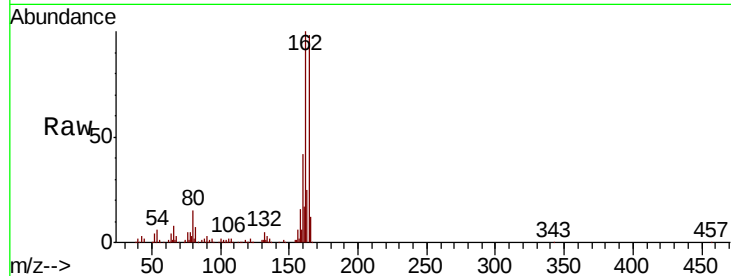
Tgt Ion:164 Resp: 147943

Ion Ratio Lower Upper

164 100

162 101.6 83.0 124.4

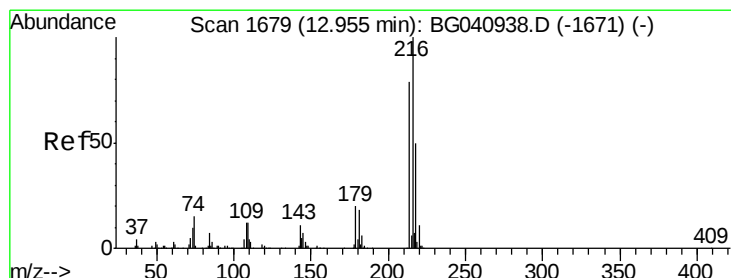
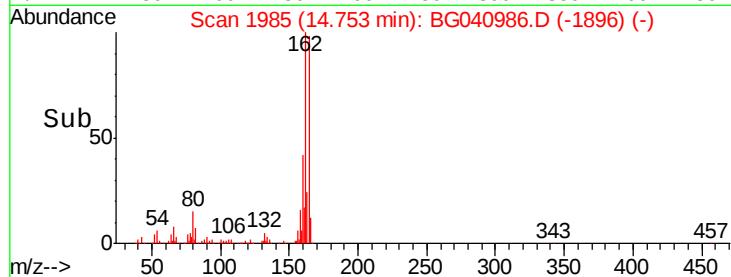
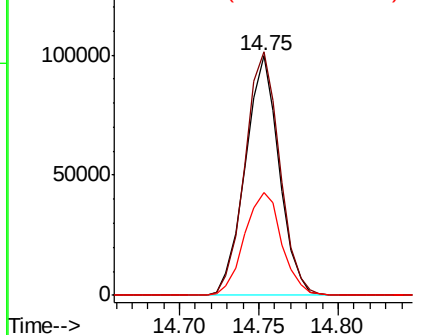
160 43.1 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 23.103 ng

RT: 12.95 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Tgt Ion:216 Resp: 137762

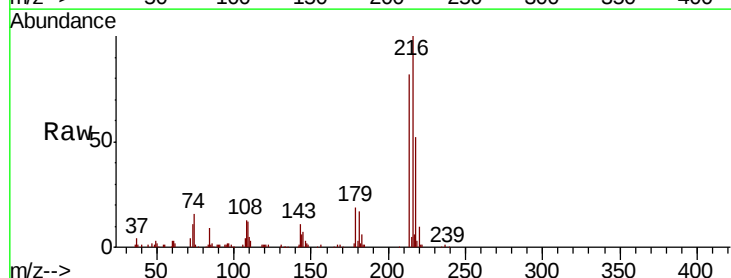
Ion Ratio Lower Upper

216 100

214 80.2 63.4 95.2

179 19.1 15.2 22.8

108 15.2 11.4 17.2

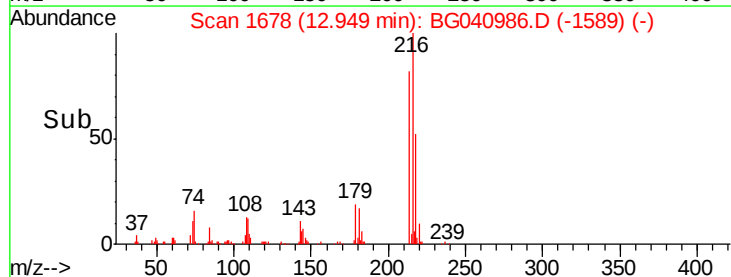
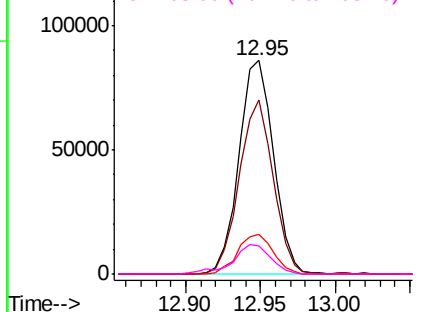


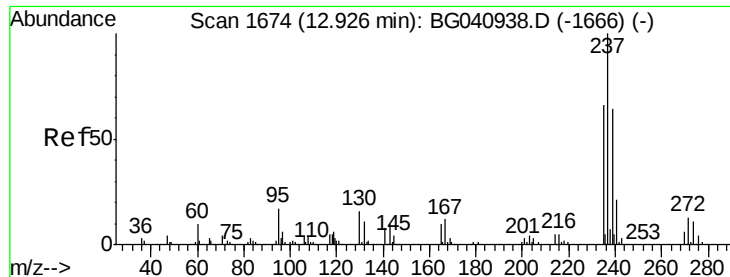
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 27.864 ng

RT: 12.91 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

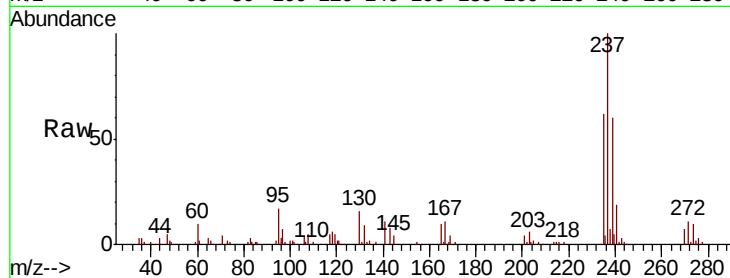
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

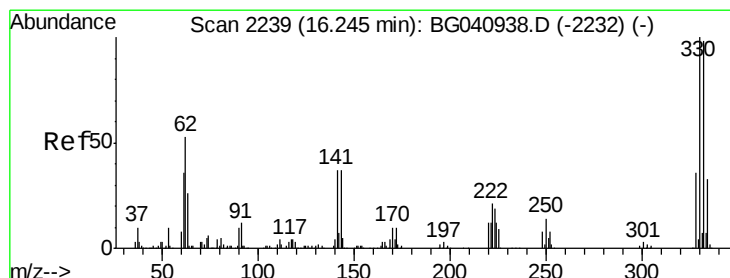
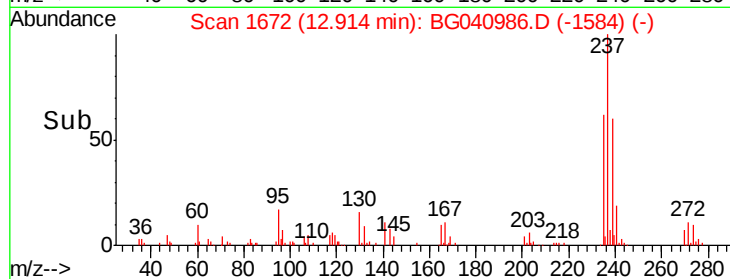
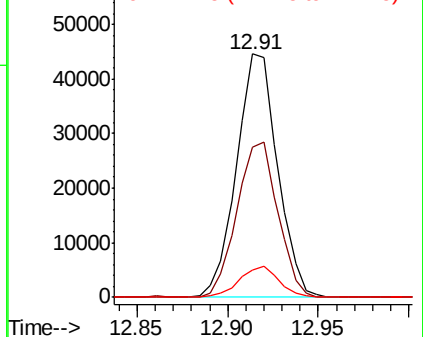
Tgt Ion:	237	Resp:	70137
Ion Ratio	Lower	Upper	
237	100		
235	61.9	45.5	85.5
272	11.3	0.0	32.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 98.522 ng

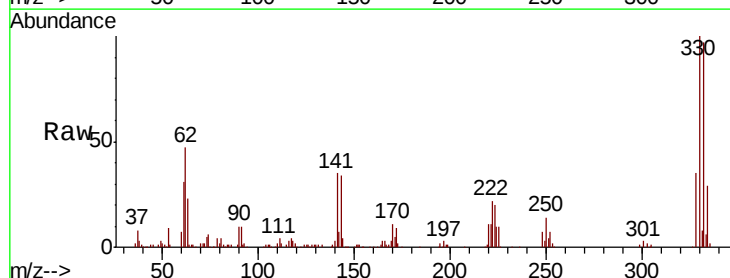
RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

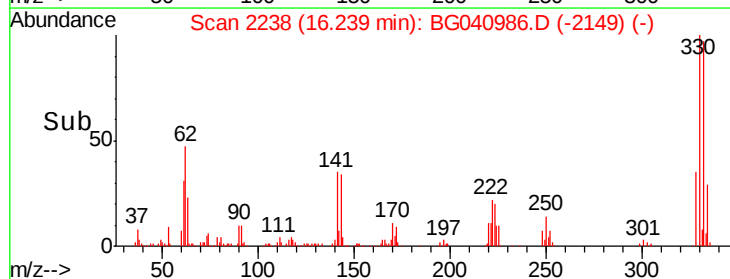
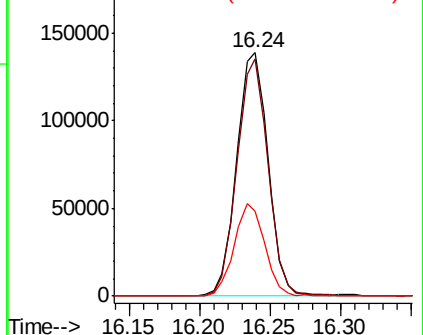
Tgt Ion:	330	Resp:	216386
Ion Ratio	Lower	Upper	
330	100		
332	96.7	78.5	117.7
141	36.9	28.7	43.1

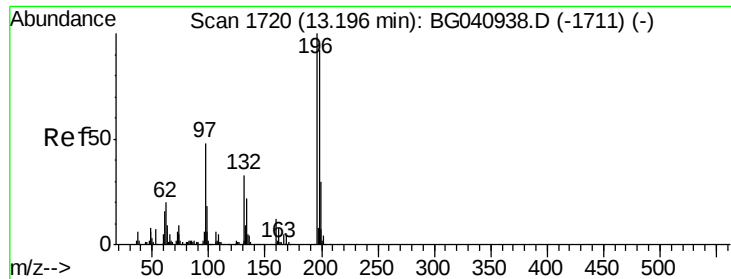


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

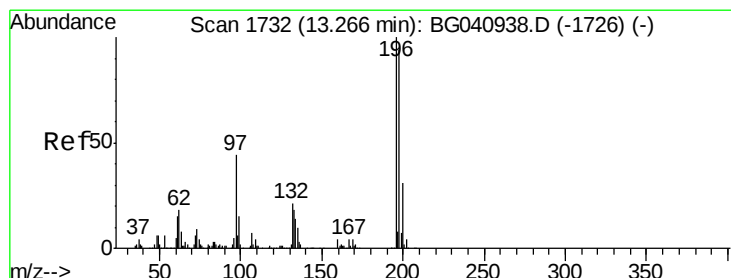
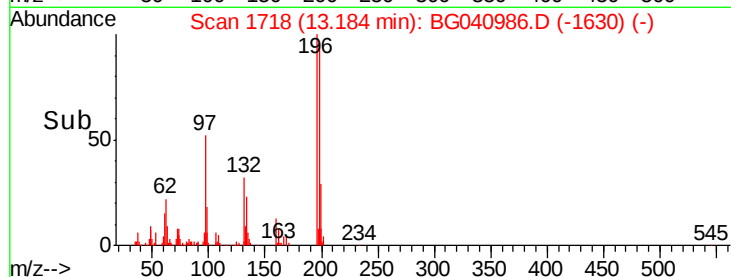
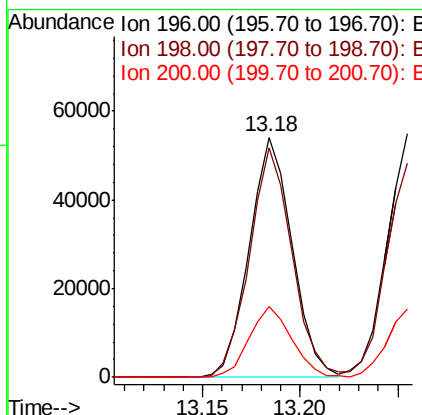
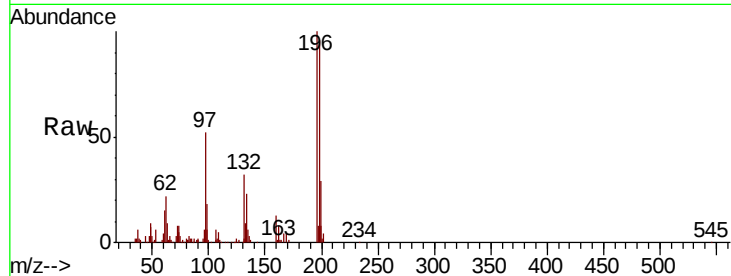




#43
2,4,6-Trichlorophenol
Concen: 21.340 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

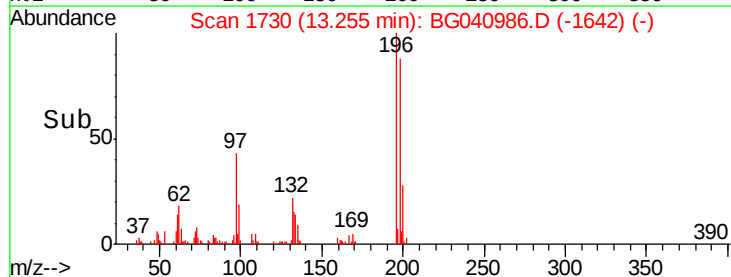
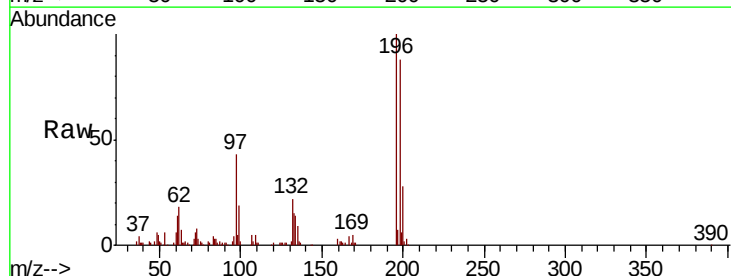
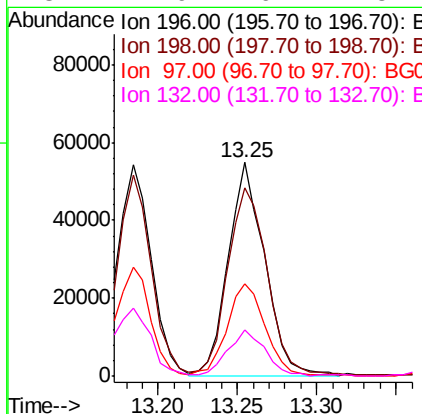
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

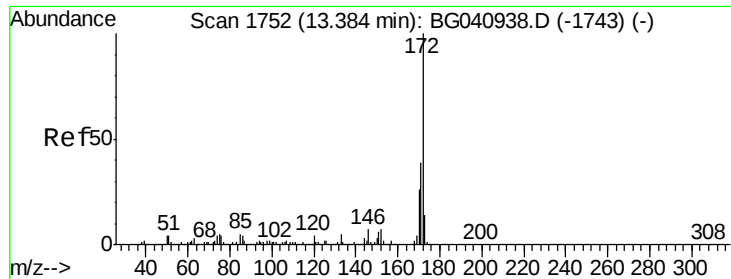
Tgt Ion:196 Resp: 82320
Ion Ratio Lower Upper
196 100
198 95.5 73.8 110.6
200 29.3 24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 21.644 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:196 Resp: 88051
Ion Ratio Lower Upper
196 100
198 88.1 75.1 112.7
97 43.3 35.6 53.4
132 21.9 16.7 25.1

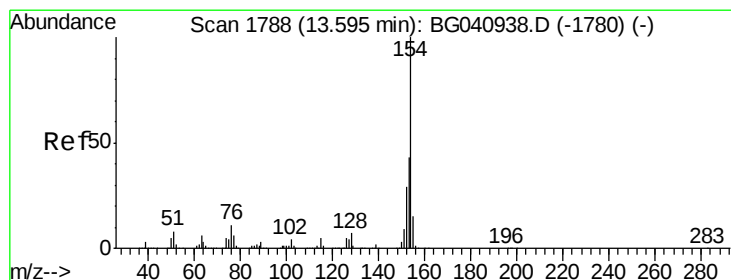
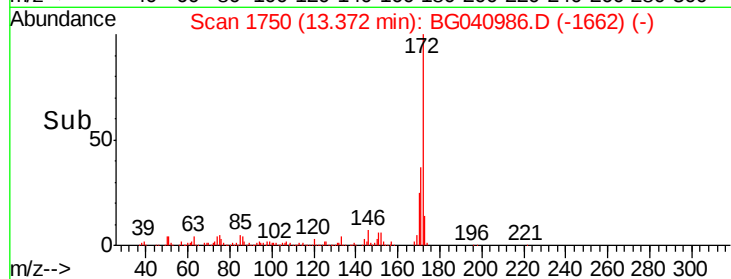
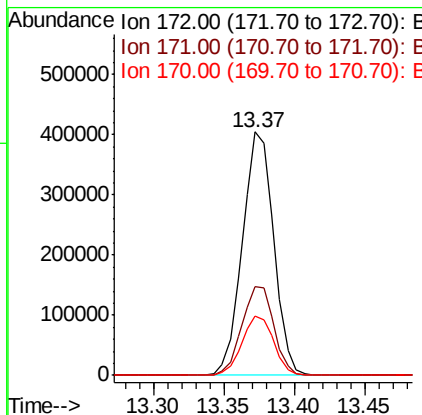
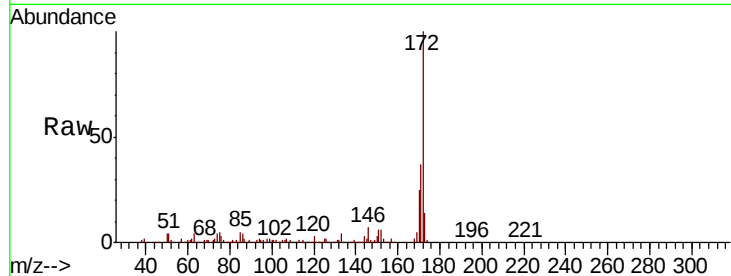




#45
2-Fluorobiphenyl
Concen: 61.215 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

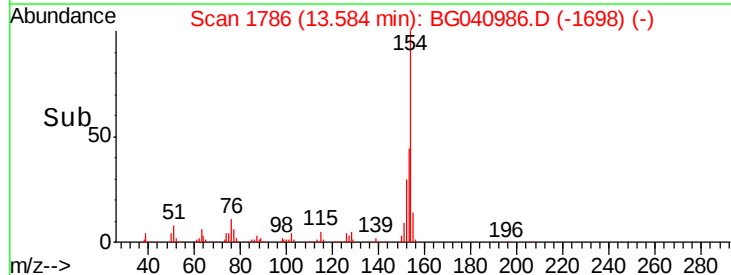
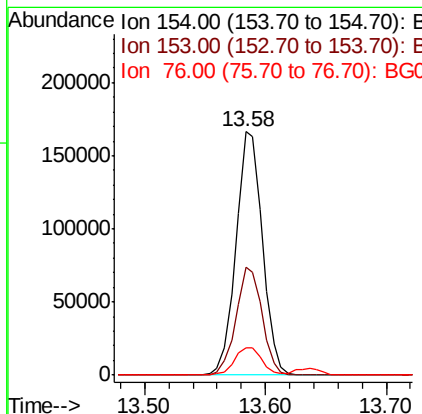
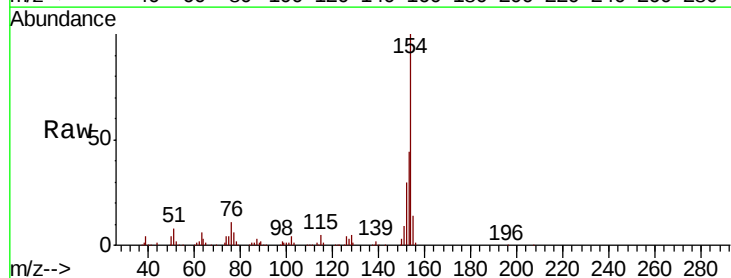
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

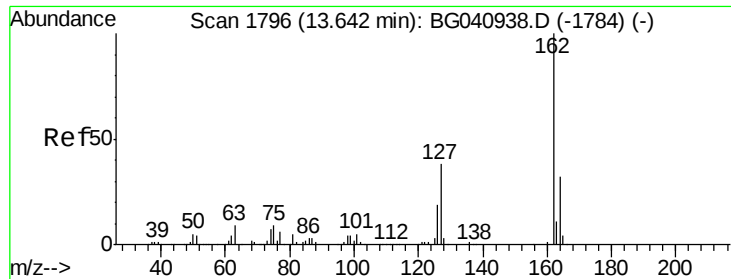
Tgt Ion:	172	Resp:	628867
Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.1	46.7
170	24.6	20.5	30.7



#46
1,1'-Biphenyl
Concen: 23.203 ng
RT: 13.58 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:	154	Resp:	254101
Ion	Ratio	Lower	Upper
154	100		
153	44.5	23.3	63.3
76	11.3	0.0	31.1

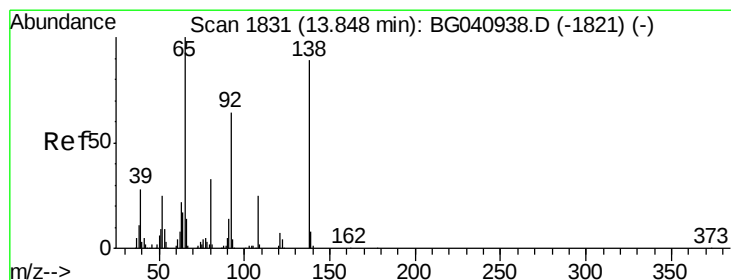
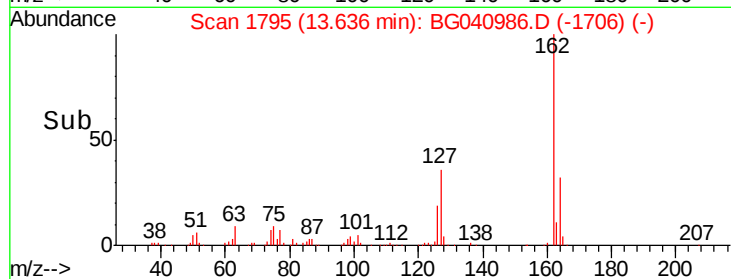
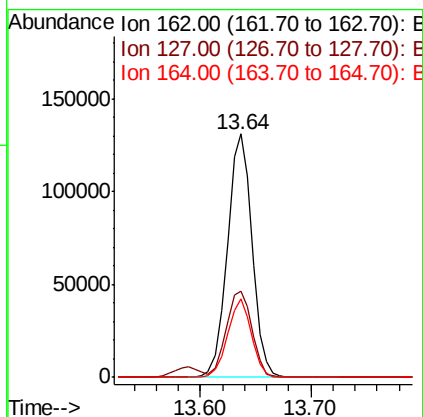
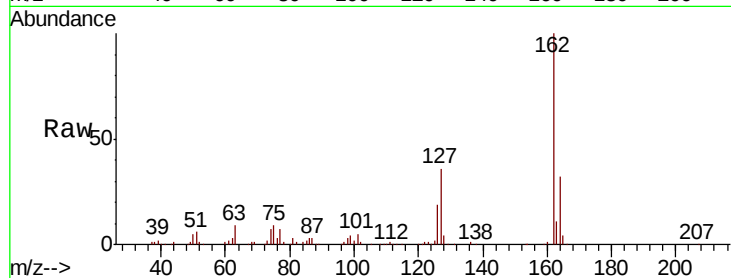




#47
2-Chloronaphthalene
Concen: 21.735 ng
RT: 13.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

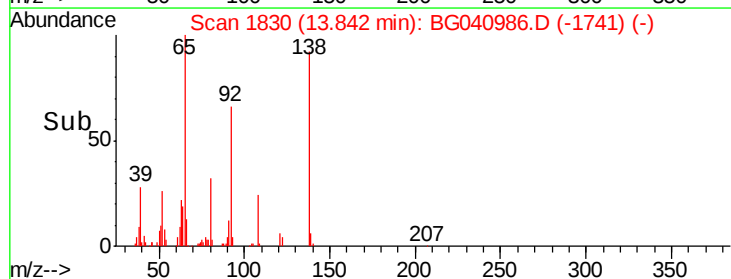
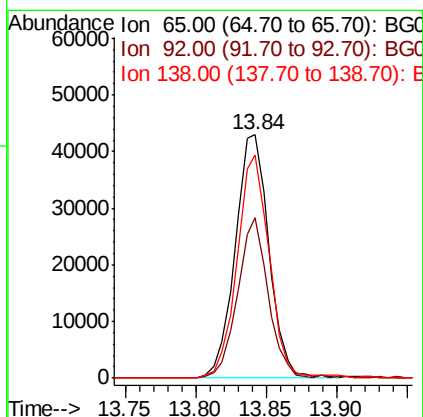
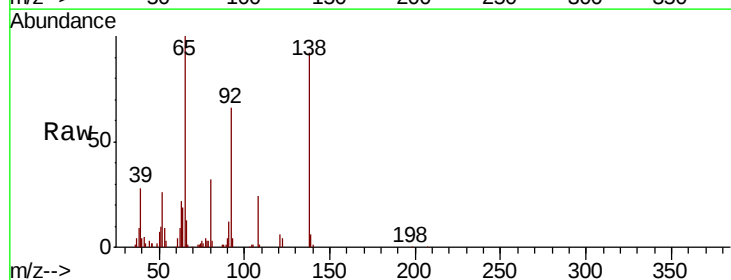
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

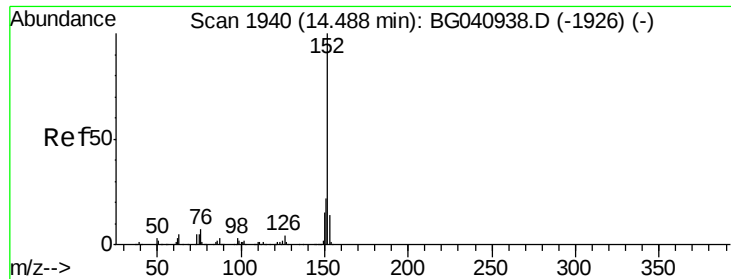
Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.6	30.5	45.7
164	32.3	25.8	38.6



#48
2-Nitroaniline
Concen: 21.203 ng
RT: 13.84 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.7	51.0	76.6
138	91.8	71.2	106.8





#49

Acenaphthylene

Concen: 22.676 ng

RT: 14.48 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

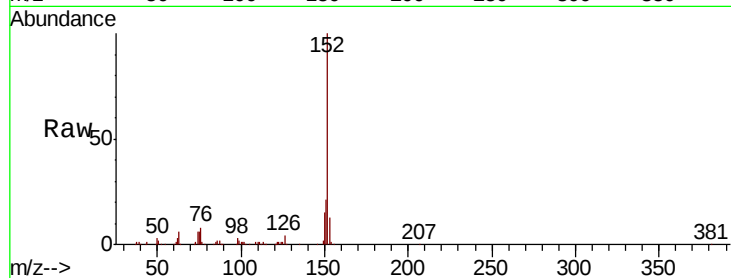
Tgt Ion:152 Resp: 320859

Ion Ratio Lower Upper

152 100

151 21.0 17.4 26.0

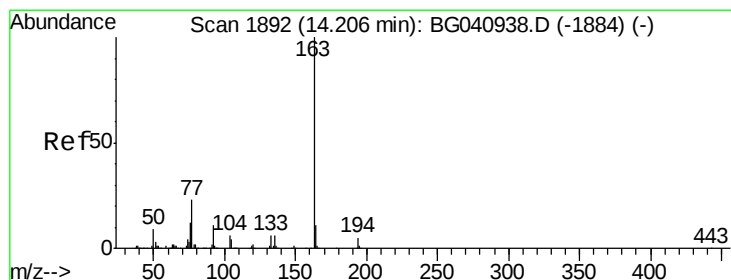
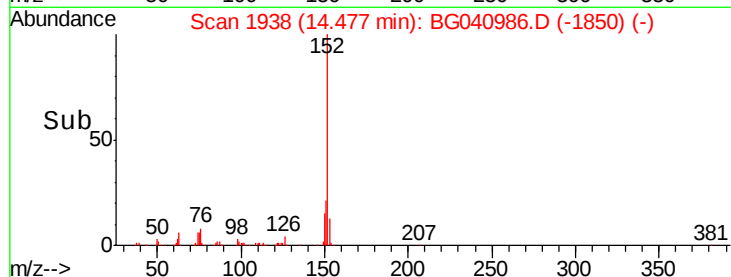
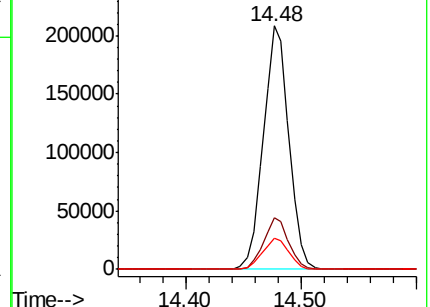
153 12.9 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 21.598 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

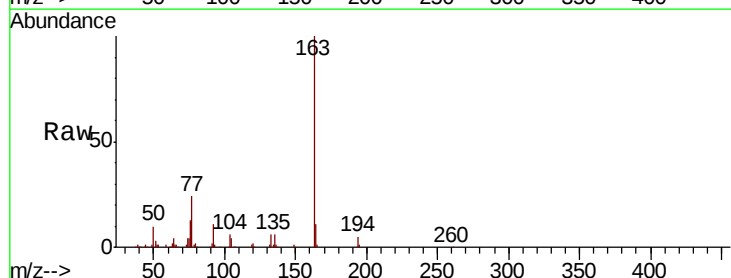
Tgt Ion:163 Resp: 270481

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.8

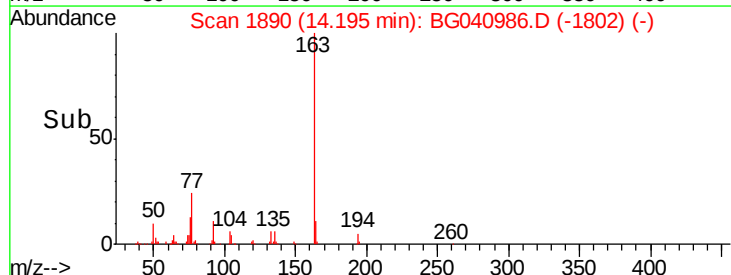
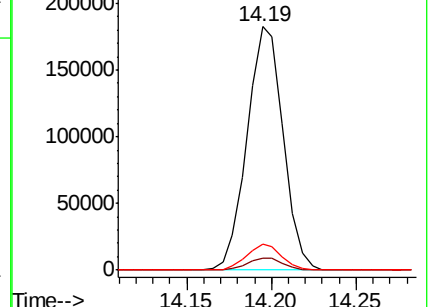
164 10.7 8.7 13.1

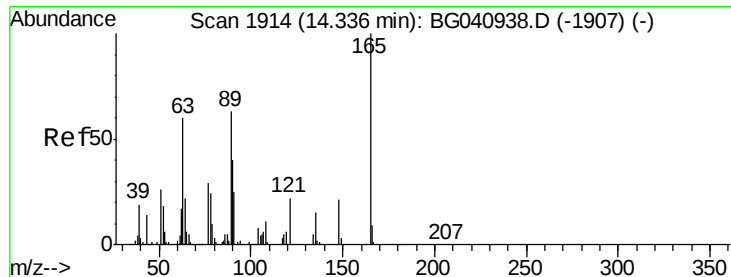


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

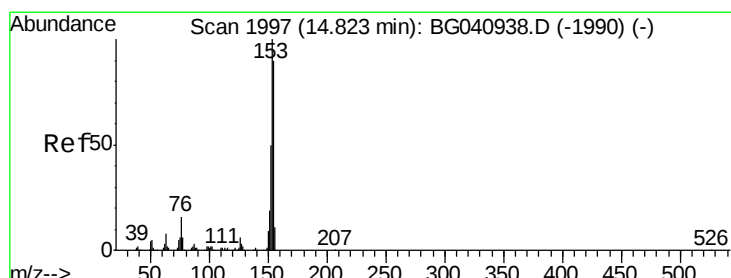
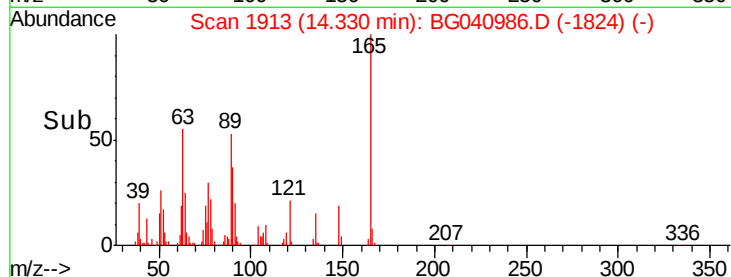
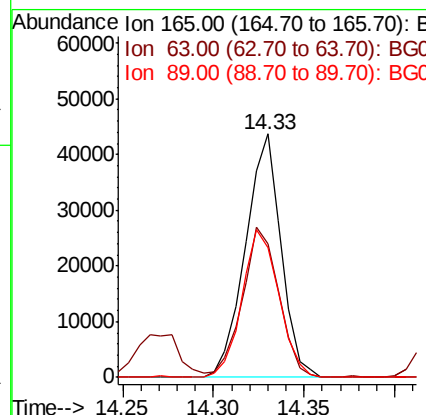
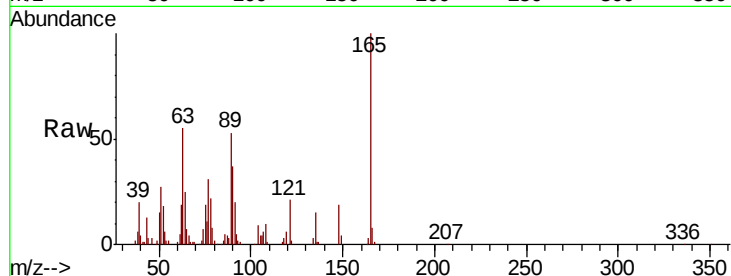




#51
 2,6-Dinitrotoluene
 Concen: 22.011 ng
 RT: 14.33 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

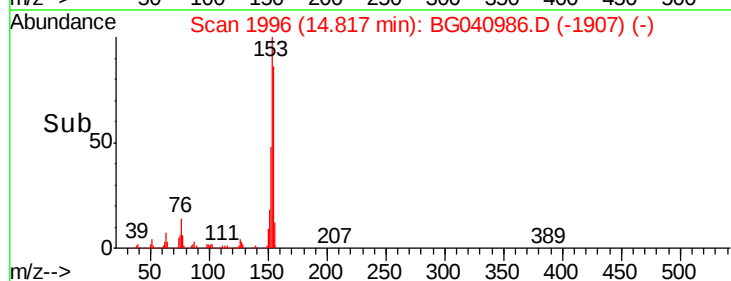
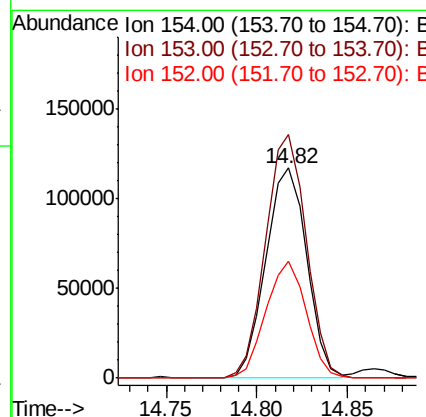
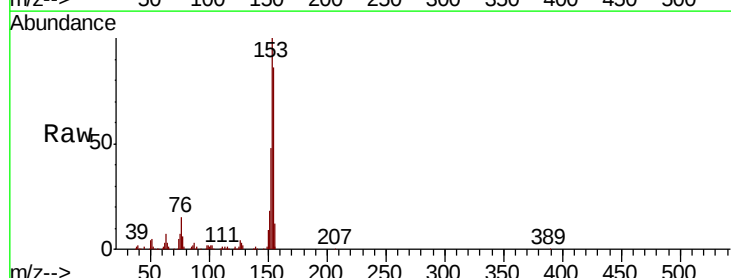
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

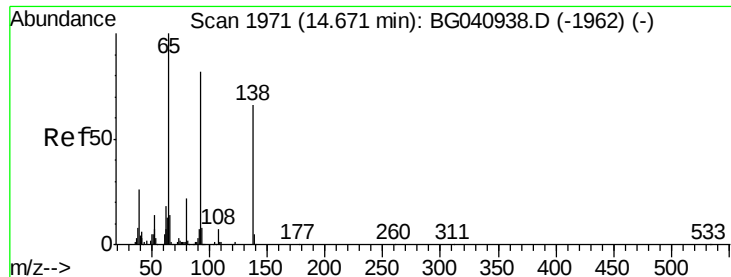
Tgt Ion:165 Resp: 59434
 Ion Ratio Lower Upper
 165 100
 63 54.8 53.6 80.4
 89 53.2 50.4 75.6



#52
 Acenaphthene
 Concen: 21.524 ng
 RT: 14.82 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion:154 Resp: 184499
 Ion Ratio Lower Upper
 154 100
 153 115.9 88.6 133.0
 152 55.8 44.2 66.4





#53

3-Nitroaniline

Concen: 20.693 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

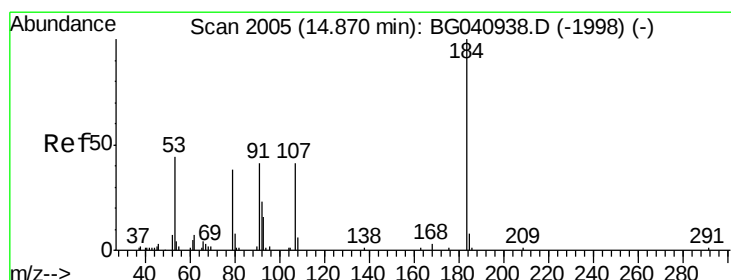
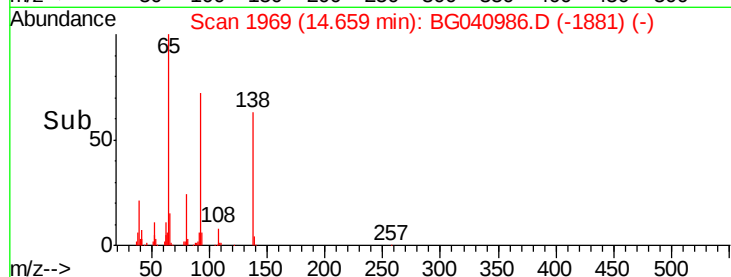
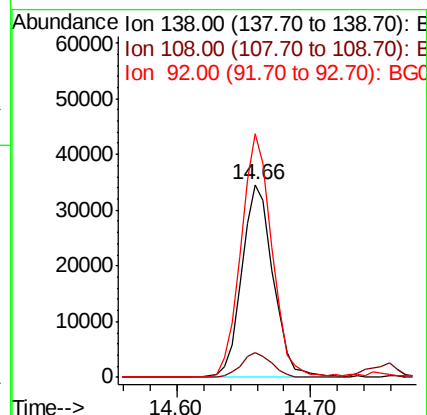
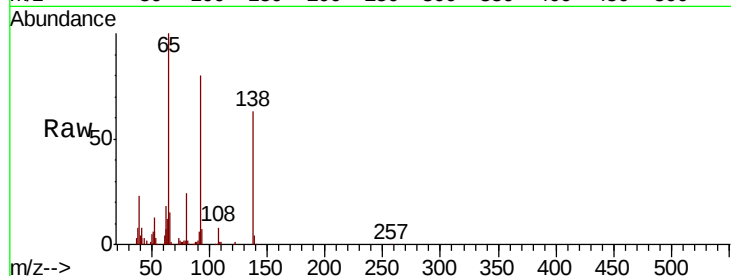
Tgt Ion:138 Resp: 55873

Ion Ratio Lower Upper

138 100

108 13.0 8.5 12.7#

92 126.4 99.0 148.6



#54

2,4-Dinitrophenol

Concen: 21.613 ng

RT: 14.86 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

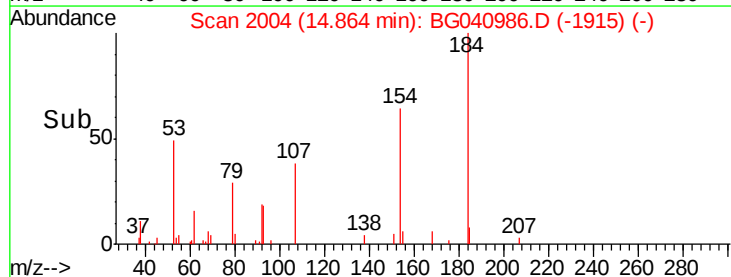
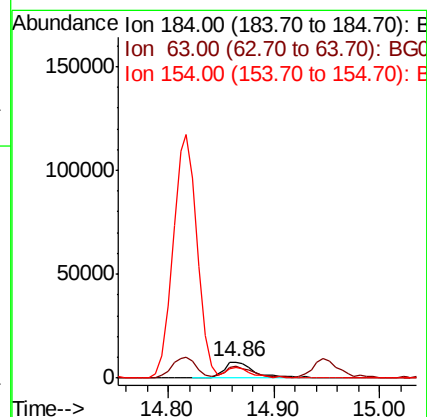
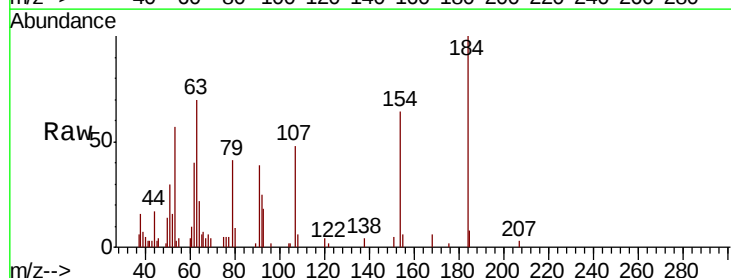
Tgt Ion:184 Resp: 15947

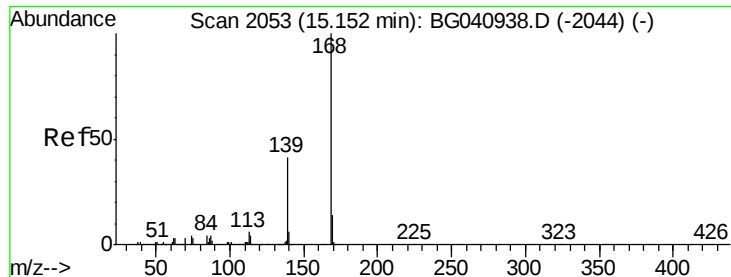
Ion Ratio Lower Upper

184 100

63 70.3 49.8 74.6

154 63.9 52.2 78.4





#55

Dibenzenofuran

Concen: 22.605 ng

RT: 15.15 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

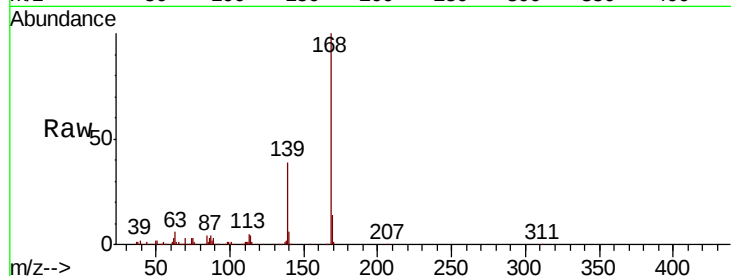
Tgt Ion:168 Resp: 326039

Ion Ratio Lower Upper

168 100

139 39.3 32.8 49.2

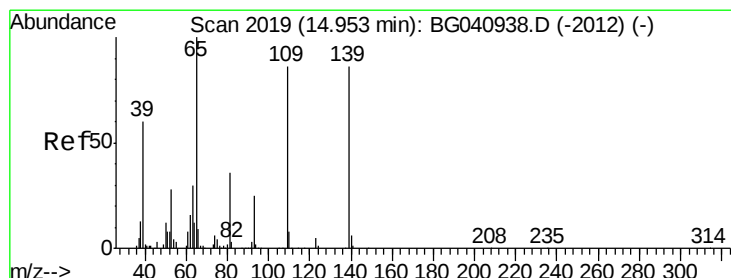
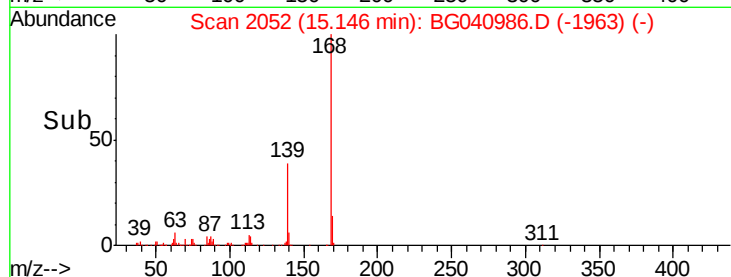
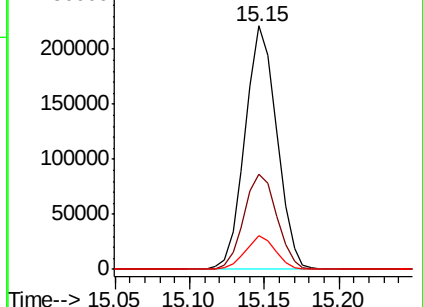
169 13.6 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 20.533 ng

RT: 14.95 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

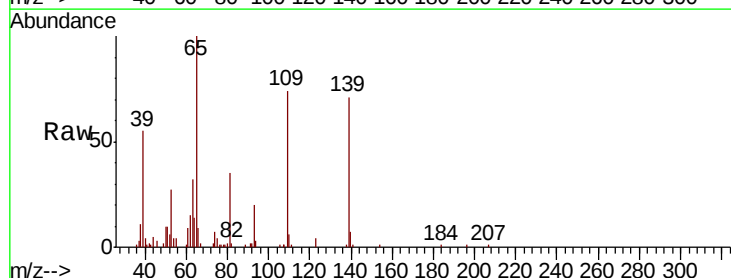
Tgt Ion:139 Resp: 38028

Ion Ratio Lower Upper

139 100

109 104.8 79.6 119.6

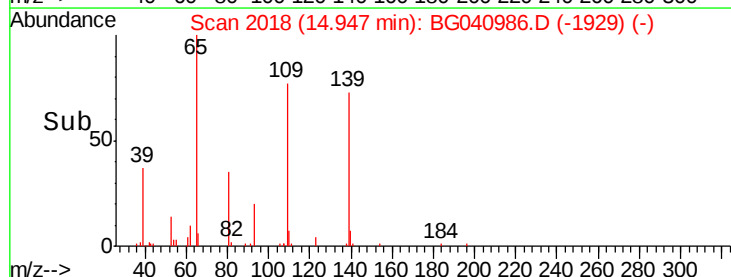
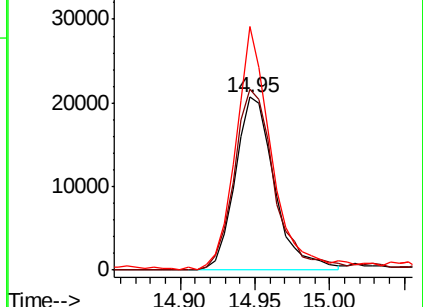
65 140.7 96.9 136.9#

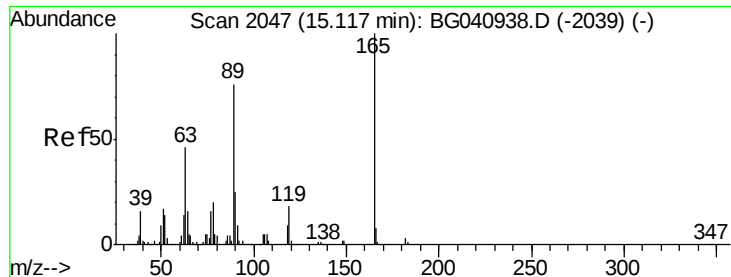


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 21.676 ng

RT: 15.11 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

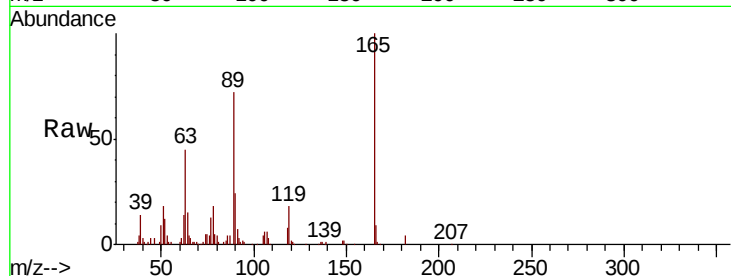
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion:	165	Resp:	82677
Ion	Ratio	Lower	Upper
165	100		
63	45.3	37.3	55.9
89	72.2	61.0	91.6
182	3.9	2.2	3.2#

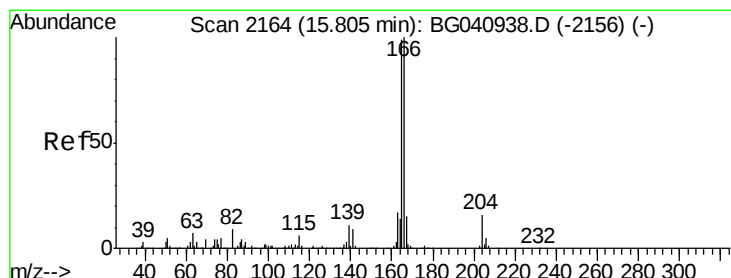
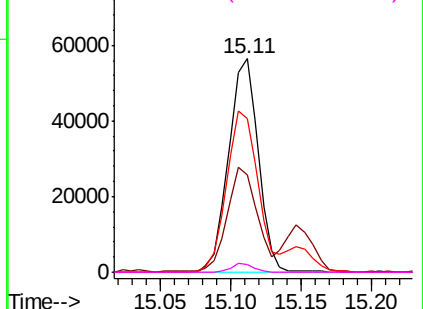
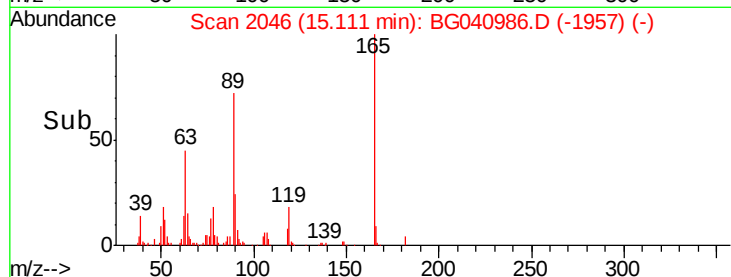


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 21.791 ng

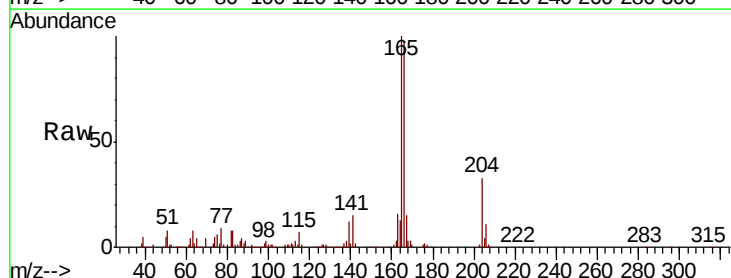
RT: 15.79 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

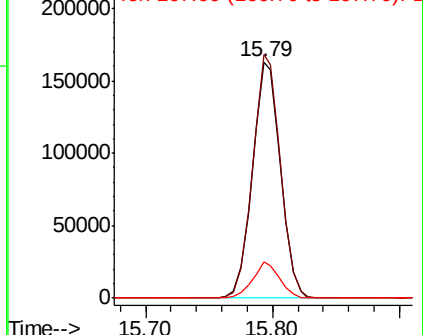
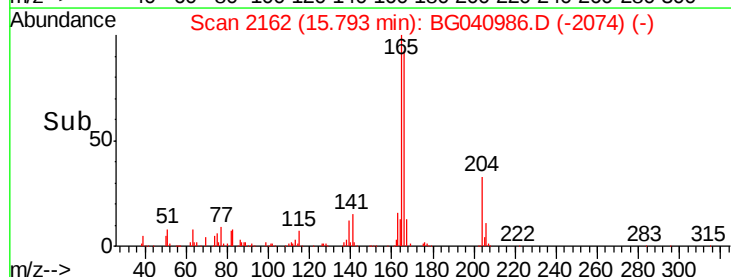
Tgt Ion:	166	Resp:	250299
Ion	Ratio	Lower	Upper
166	100		
165	103.1	79.2	118.8
167	15.2	11.8	17.6

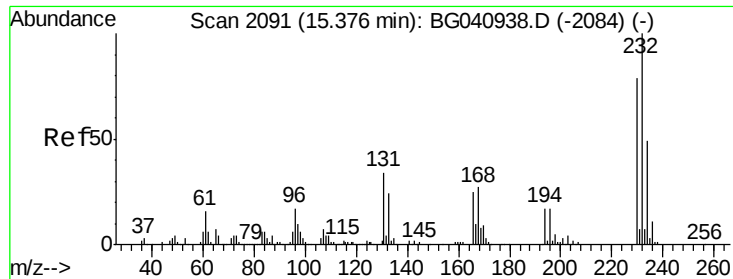


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 22.073 ng

RT: 15.36 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion:232 Resp: 88249

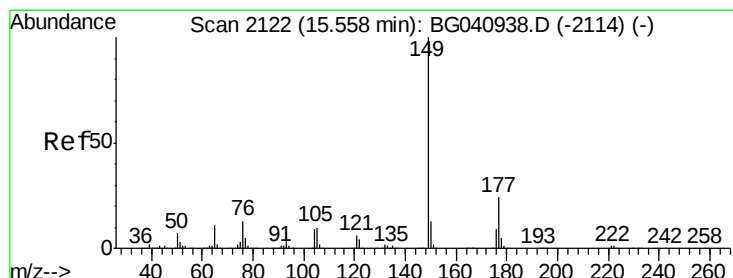
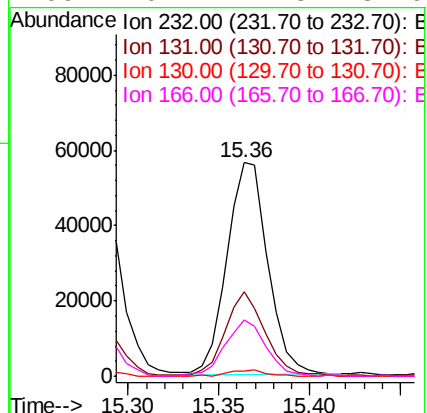
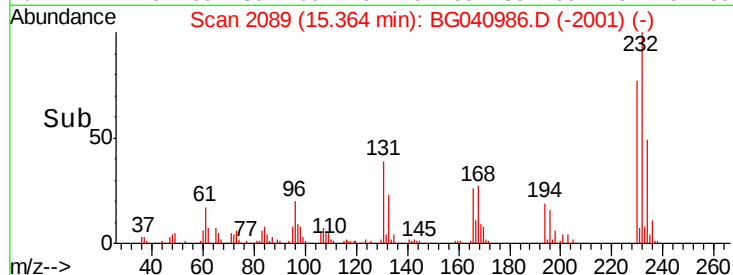
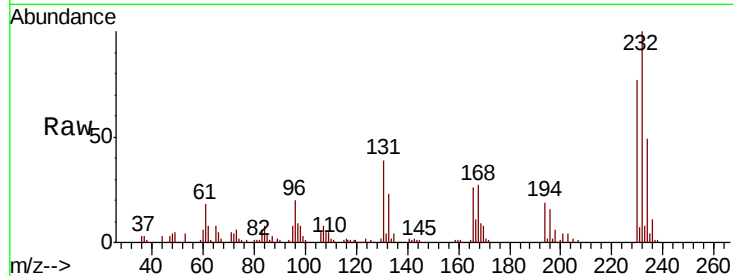
Ion Ratio Lower Upper

232 100

131 38.8 30.3 45.5

130 2.7 1.8 2.8

166 26.4 21.3 31.9



#60

Diethylphthalate

Concen: 21.593 ng

RT: 15.55 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

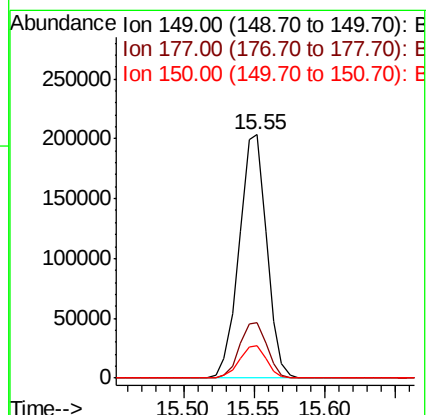
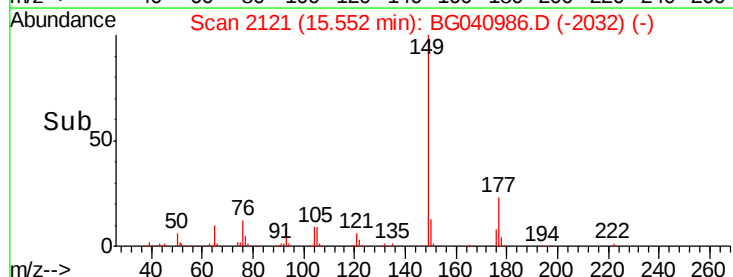
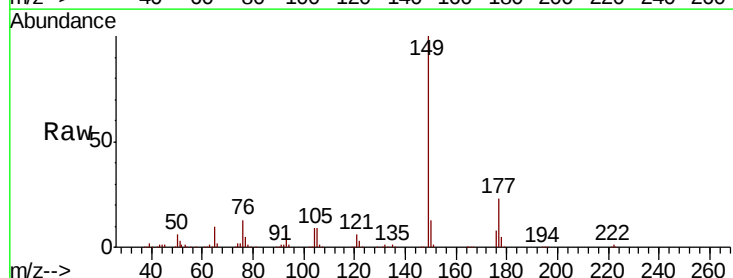
Tgt Ion:149 Resp: 275976

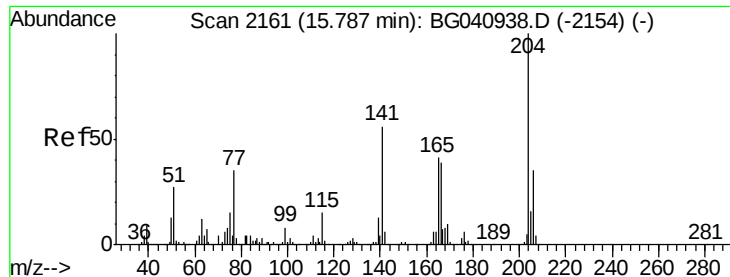
Ion Ratio Lower Upper

149 100

177 22.9 19.4 29.0

150 13.4 10.3 15.5

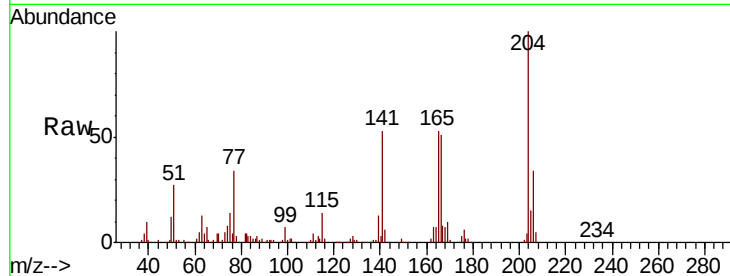




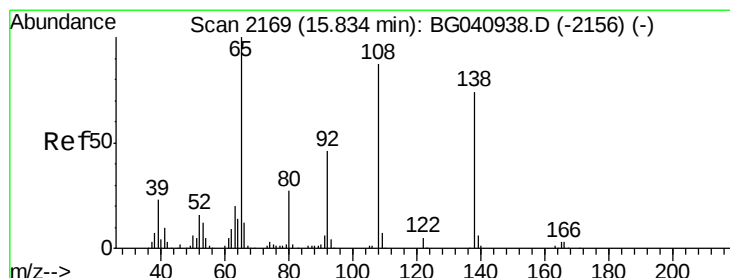
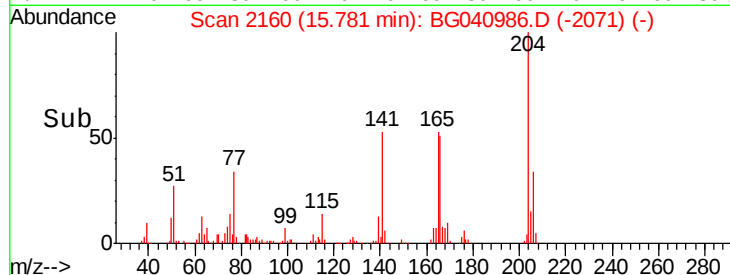
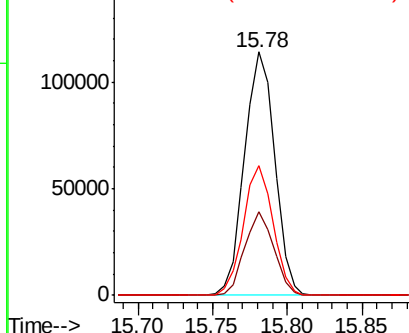
#61
4-Chlorophenyl-phenylether
Concen: 21.485 ng
RT: 15.78 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 204 Resp: 160403
Ion Ratio Lower Upper
204 100
206 34.4 27.6 41.4
141 53.1 45.1 67.7

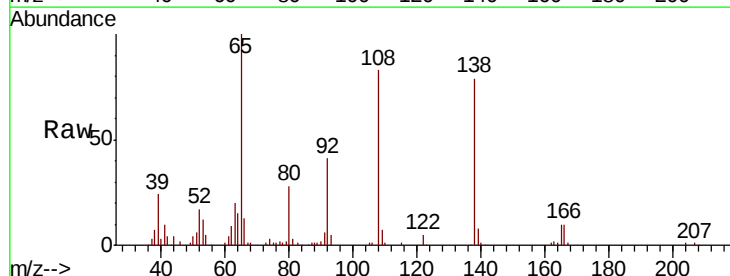


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

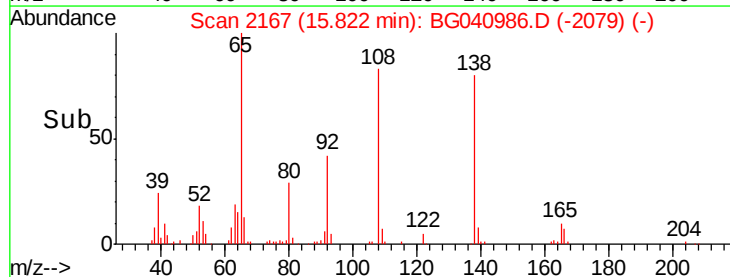
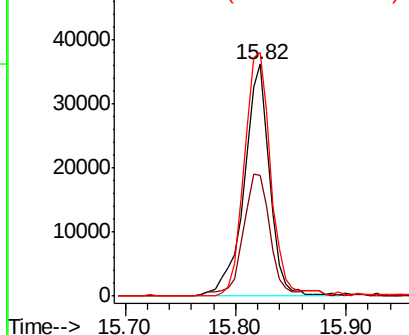


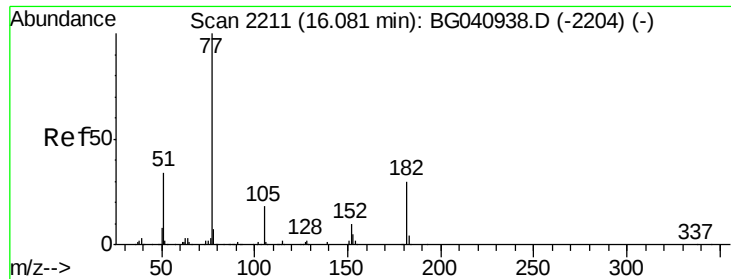
#62
4-Nitroaniline
Concen: 20.600 ng
RT: 15.82 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion: 138 Resp: 58886
Ion Ratio Lower Upper
138 100
92 52.2 42.4 82.4
108 105.1 96.9 136.9



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





#63

Azobenzene

Concen: 22.117 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion: 77 Resp: 256918

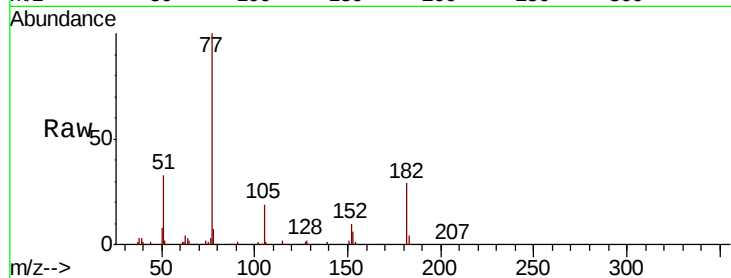
Ion Ratio Lower Upper

77 100

182 29.3 9.6 49.6

105 18.9 0.0 37.5

51 32.8 13.7 53.7

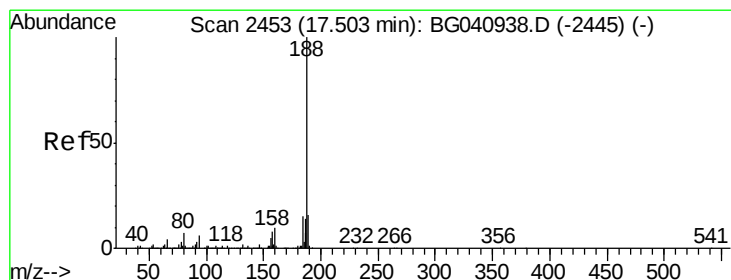
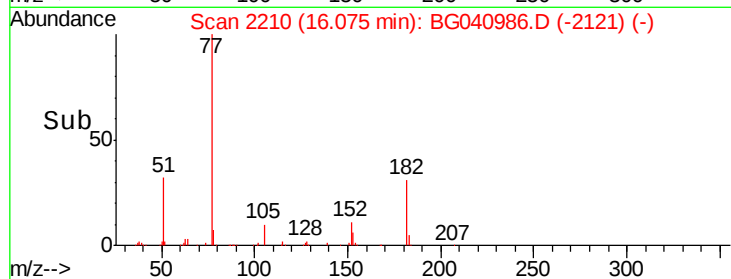
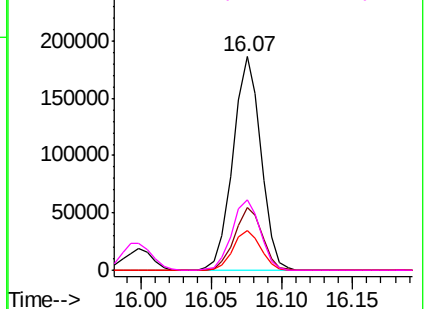


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

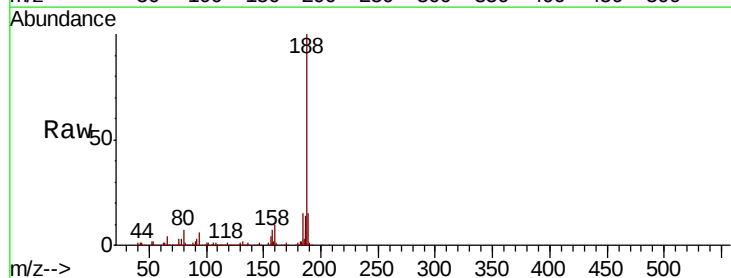
Tgt Ion: 188 Resp: 372906

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

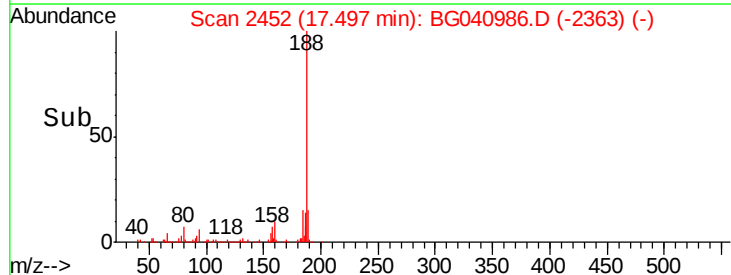
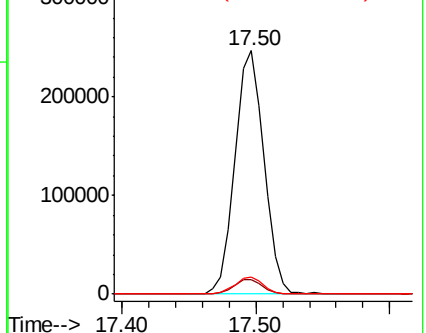
80 6.8 5.8 8.8

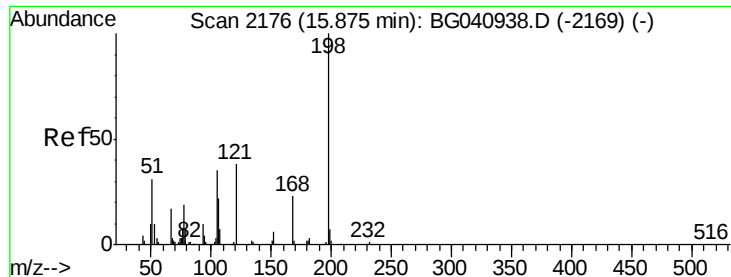


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

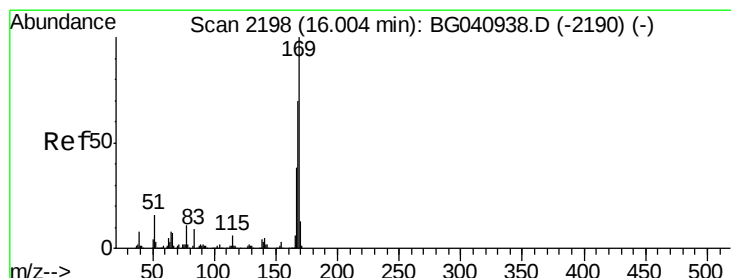
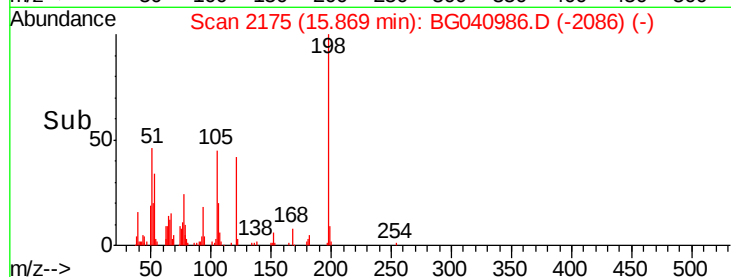
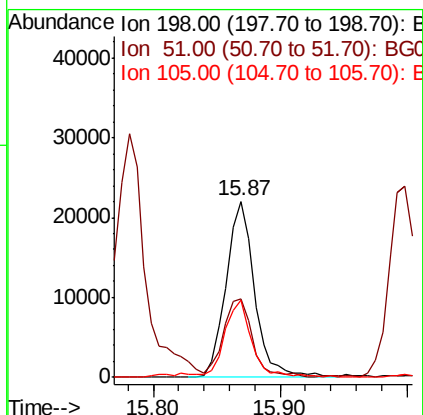
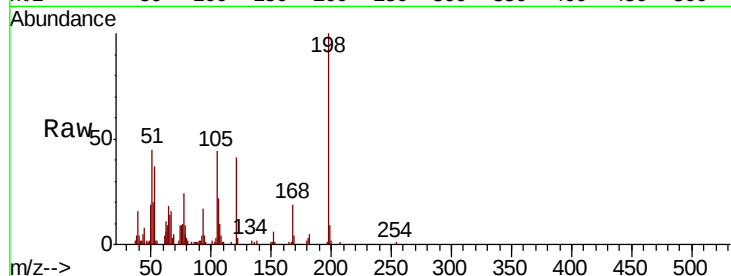




#65
 4,6-Dinitro-2-methylphenol
 Concen: 22.699 ng
 RT: 15.87 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

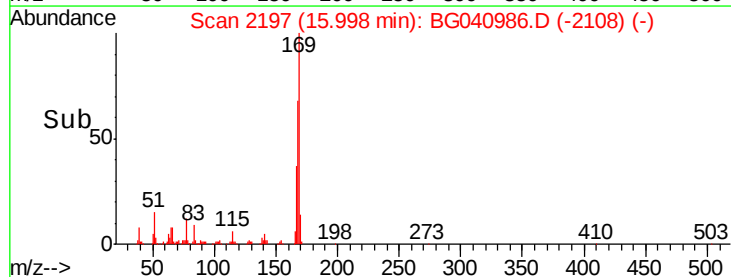
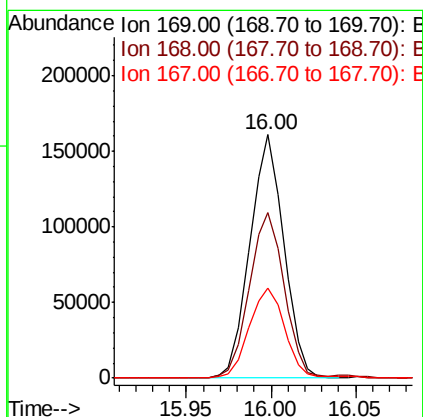
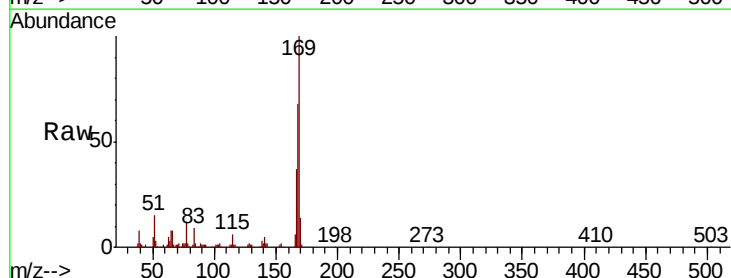
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

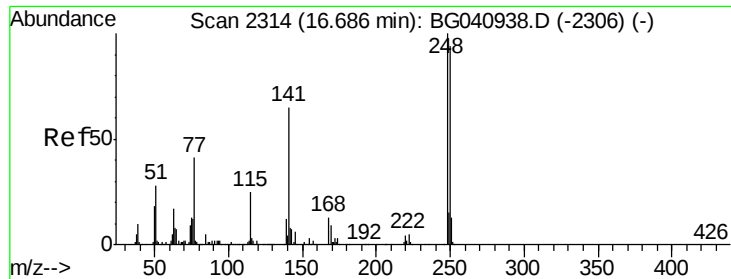
Tgt Ion:198 Resp: 34338
 Ion Ratio Lower Upper
 198 100
 51 44.8 21.6 61.6
 105 43.9 17.5 57.5



#66
 n-Nitrosodiphenylamine
 Concen: 21.497 ng
 RT: 16.00 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion:169 Resp: 225344
 Ion Ratio Lower Upper
 169 100
 168 68.2 55.7 83.5
 167 37.1 30.2 45.2

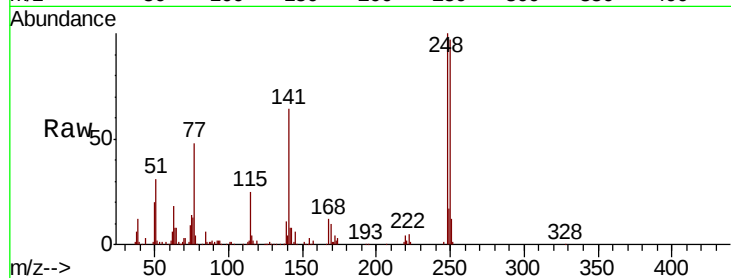




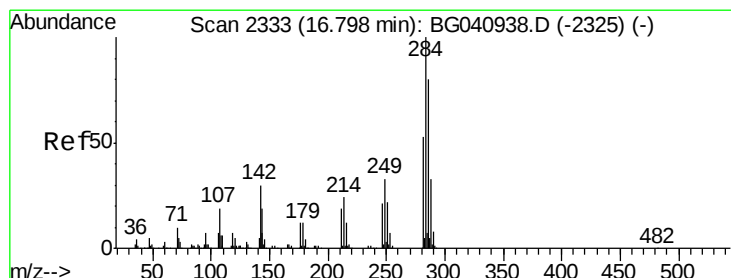
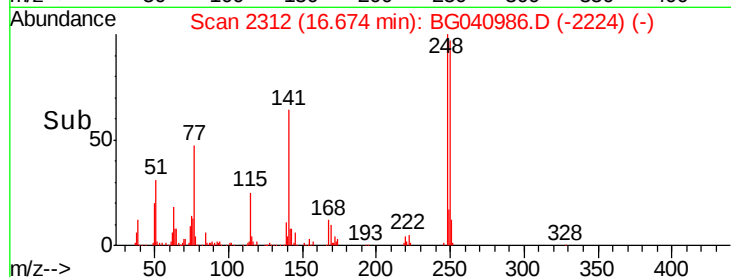
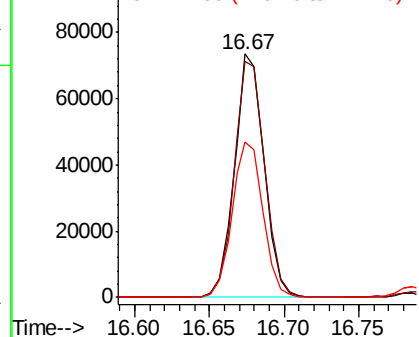
#67
4-Bromophenyl-phenylether
Concen: 20.228 ng
RT: 16.67 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:248 Resp: 101796
Ion Ratio Lower Upper
248 100
250 97.0 75.0 112.4
141 63.9 52.4 78.6

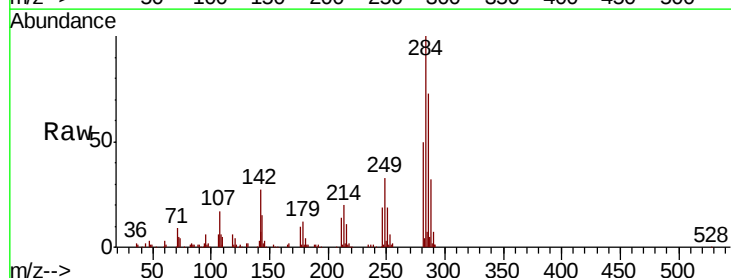


Abundance Ion 248.00 (247.70 to 248.70): E
100000
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

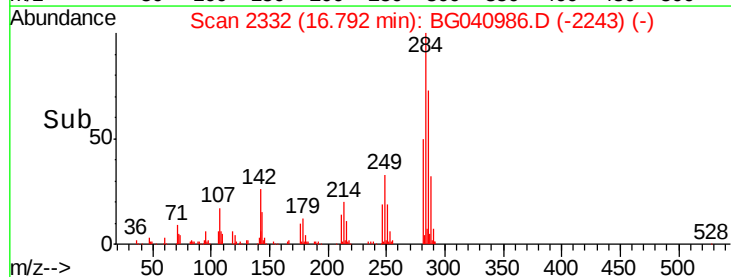
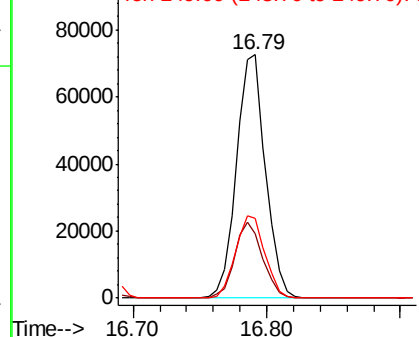


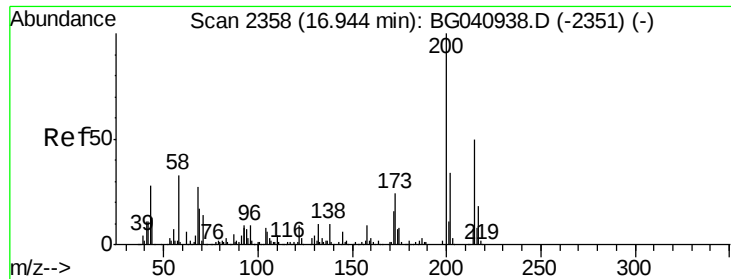
#68
Hexachlorobenzene
Concen: 20.353 ng
RT: 16.79 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:284 Resp: 109068
Ion Ratio Lower Upper
284 100
142 26.6 23.9 35.9
249 32.5 26.8 40.2



Abundance Ion 283.80 (283.50 to 284.50): E
100000
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

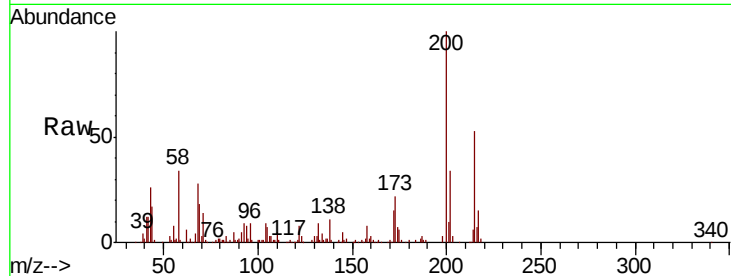




#69
 Atrazine
 Concen: 23.759 ng
 RT: 16.93 min Scan# 2356
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion	Ratio	Lower	Upper
200	100		
173	22.5	3.6	43.6
215	53.5	29.6	69.6

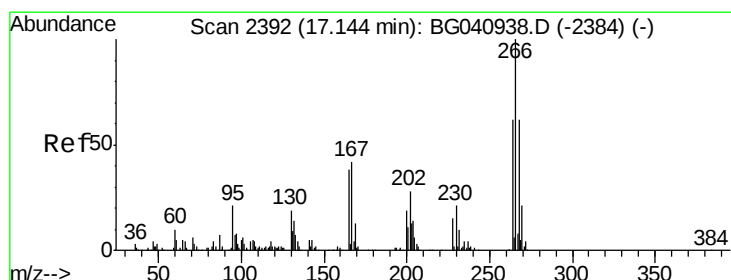
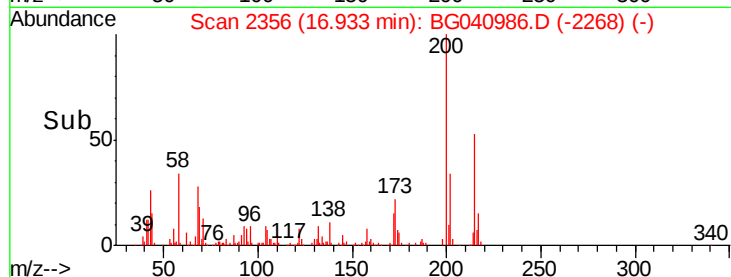
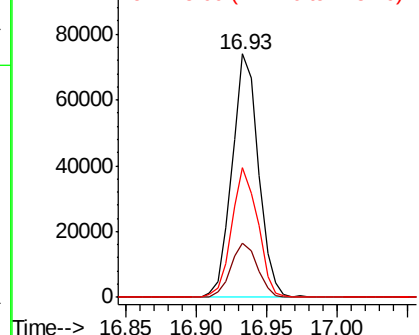


Abundance

Ion 200.00 (199.70 to 200.70): E

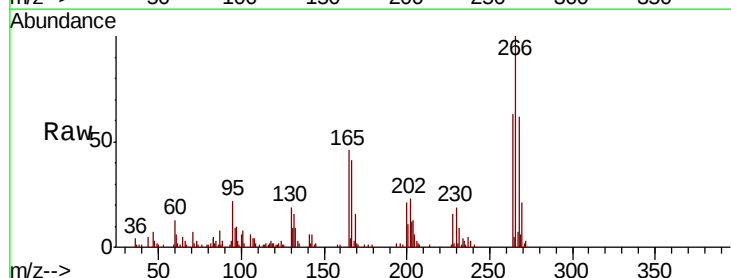
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
 Pentachlorophenol
 Concen: 20.333 ng
 RT: 17.13 min Scan# 2390
 Delta R.T. -0.01 min
 Lab File: BG040986.D
 Acq: 31 May 2019 19:52

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.9	53.1	79.7
264	63.1	49.9	74.9

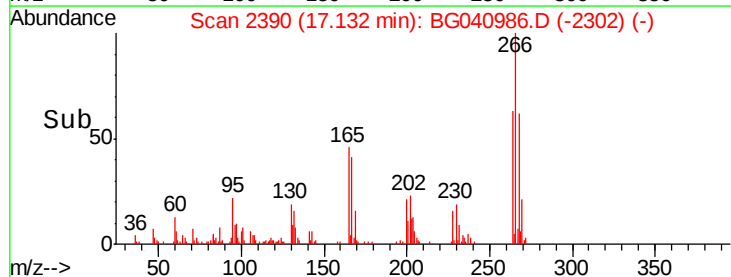
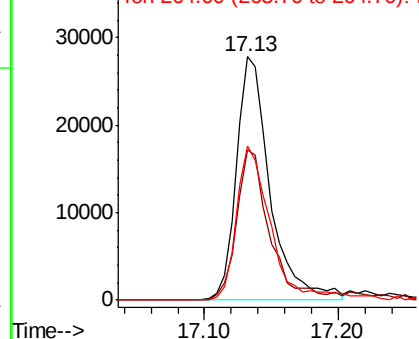


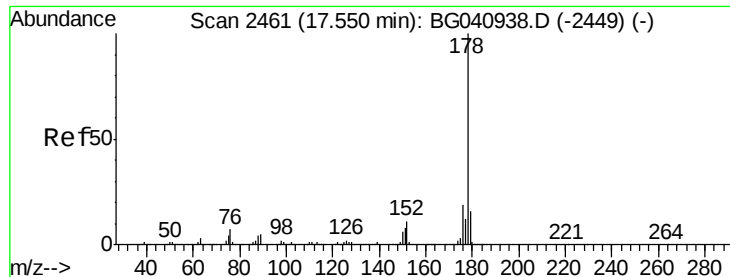
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 22.664 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

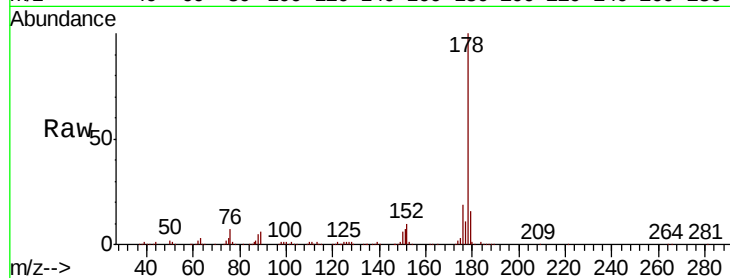
Tgt Ion:178 Resp: 440232

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

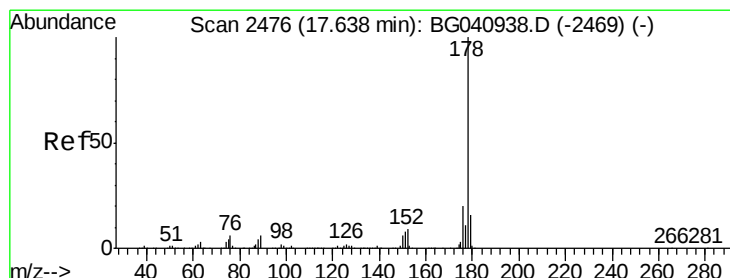
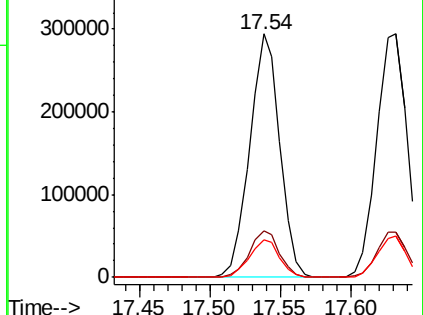
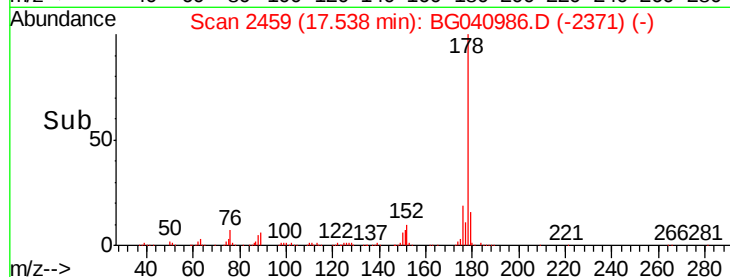
179 15.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 23.262 ng

RT: 17.63 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

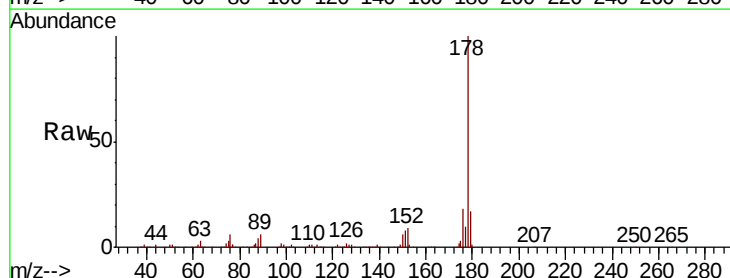
Tgt Ion:178 Resp: 445648

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

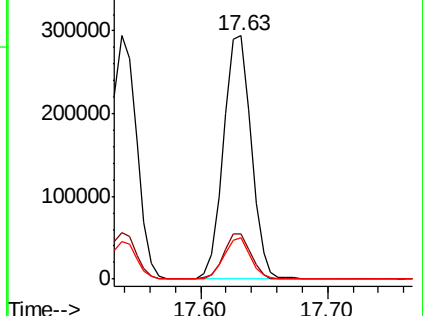
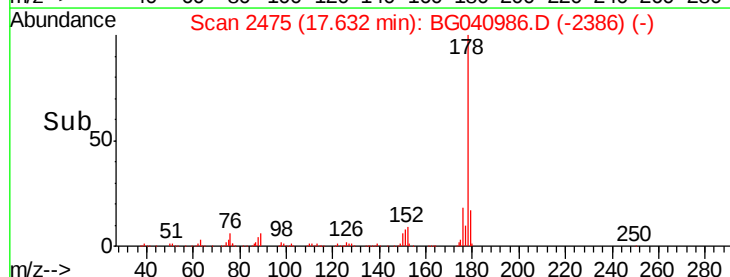
179 16.9 13.0 19.4

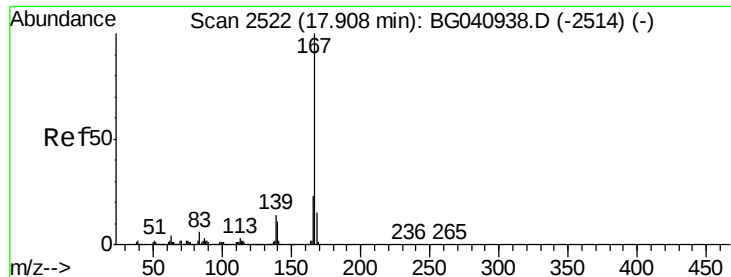


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 23.094 ng

RT: 17.90 min Scan# 2521

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

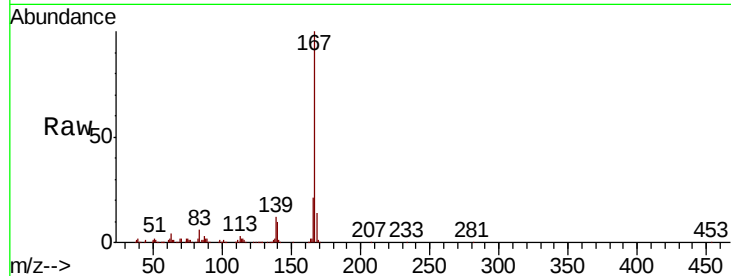
Tgt Ion:167 Resp: 379622

Ion Ratio Lower Upper

167 100

166 21.3 18.2 27.4

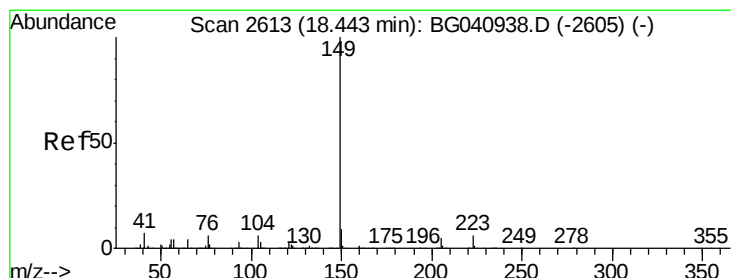
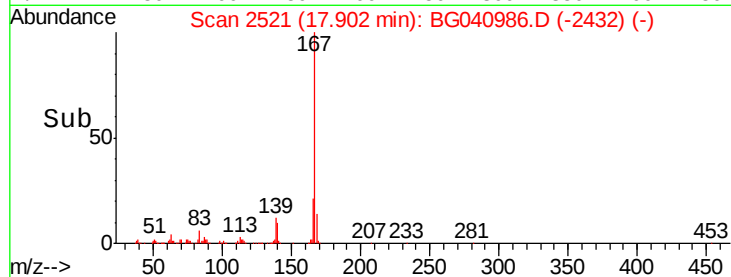
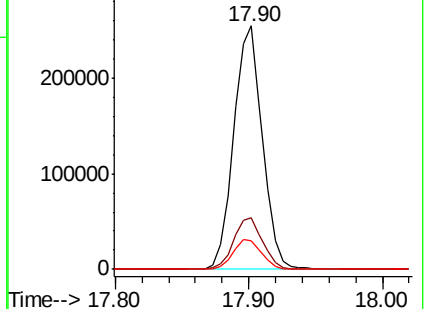
139 11.9 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 21.821 ng

RT: 18.43 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

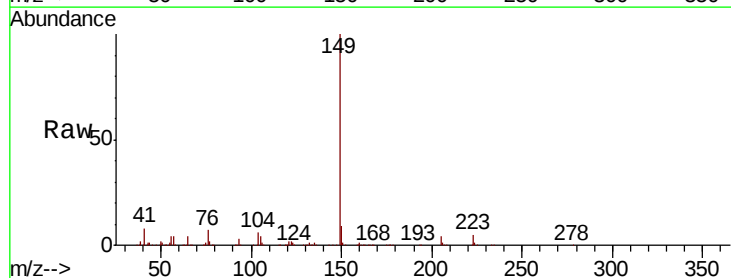
Tgt Ion:149 Resp: 445806

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

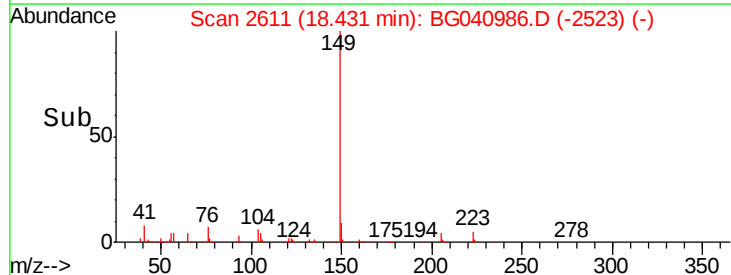
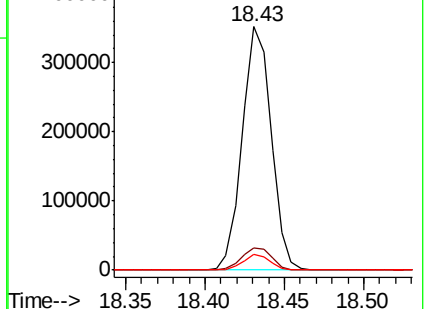
104 6.3 5.0 7.4

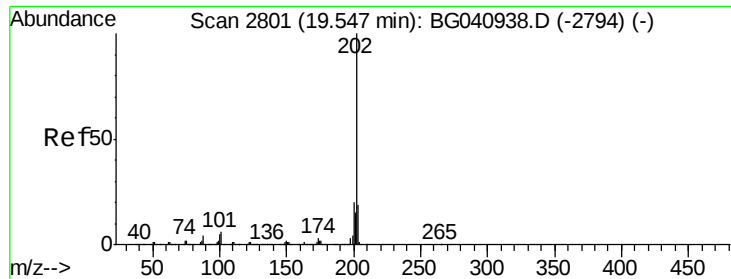


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 23.275 ng

RT: 19.54 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

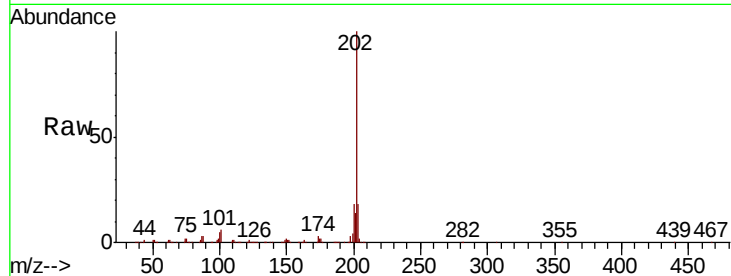
Tgt Ion:202 Resp: 558425

Ion Ratio Lower Upper

202 100

101 6.2 0.0 26.2

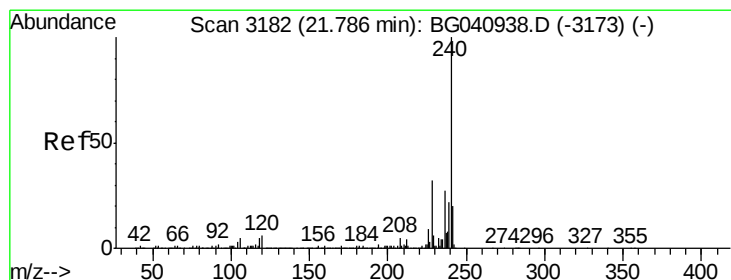
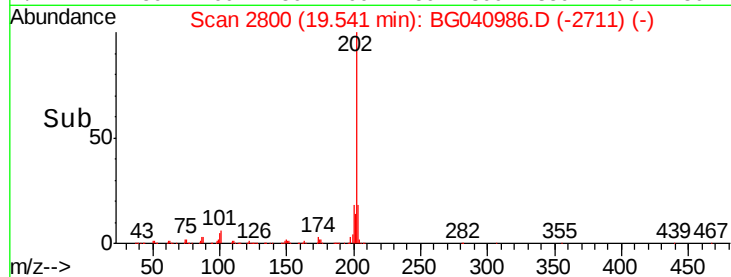
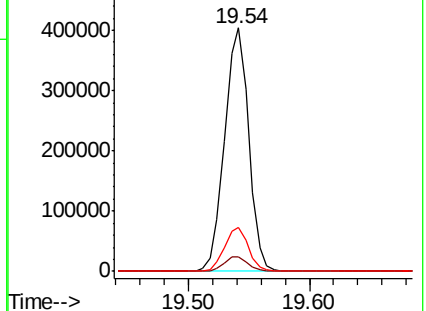
203 18.0 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

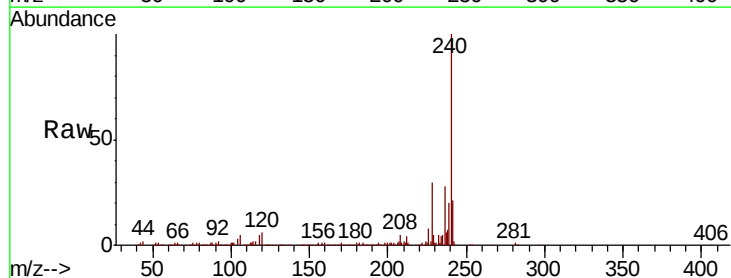
Tgt Ion:240 Resp: 362103

Ion Ratio Lower Upper

240 100

120 6.4 4.5 6.7

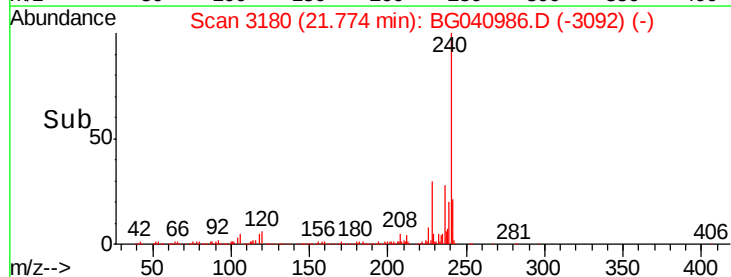
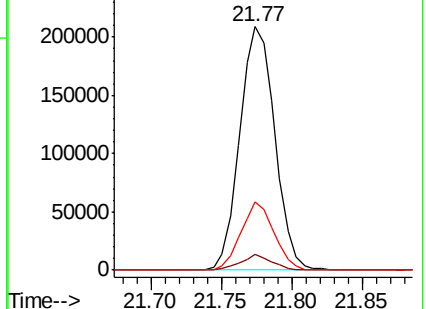
236 28.1 21.3 31.9

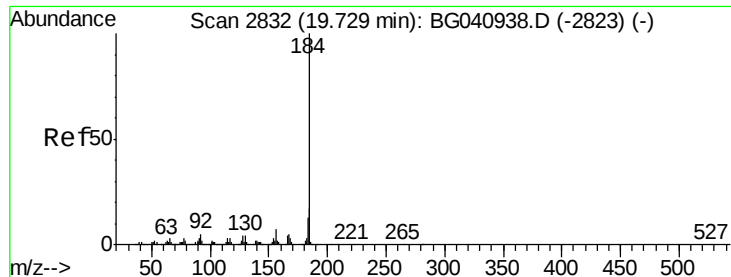


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 25.443 ng

RT: 19.72 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

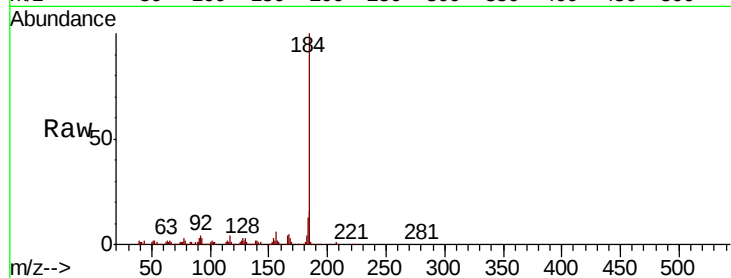
Tgt Ion:184 Resp: 219779

Ion Ratio Lower Upper

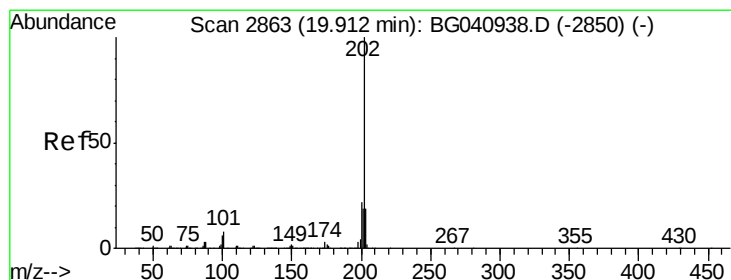
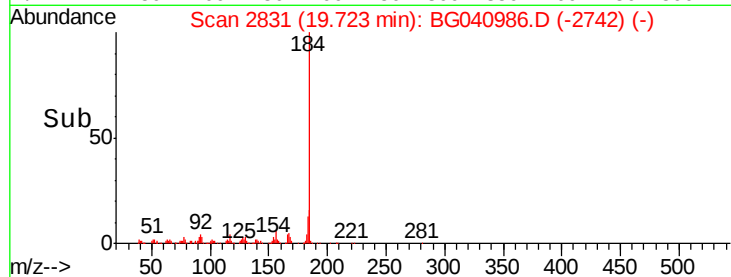
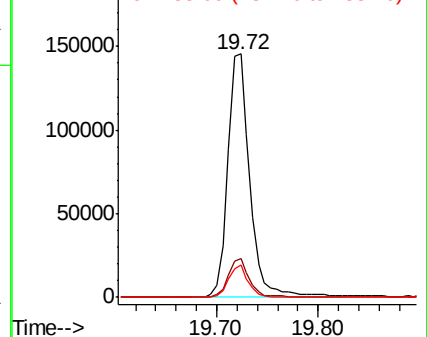
184 100

185 16.0 13.3 19.9

183 13.3 10.7 16.1



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 23.918 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

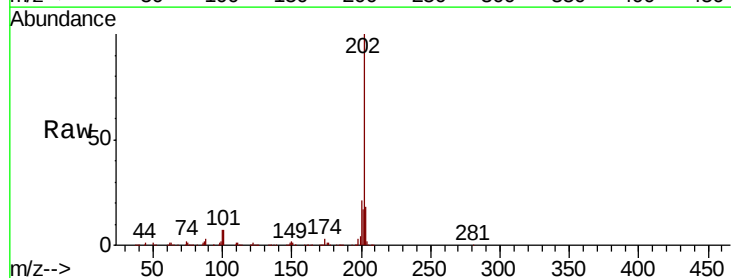
Tgt Ion:202 Resp: 563001

Ion Ratio Lower Upper

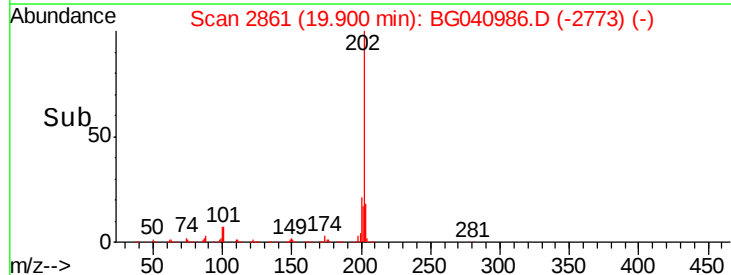
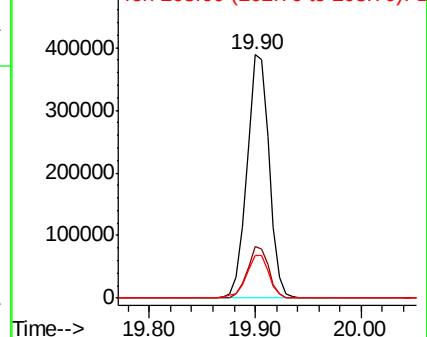
202 100

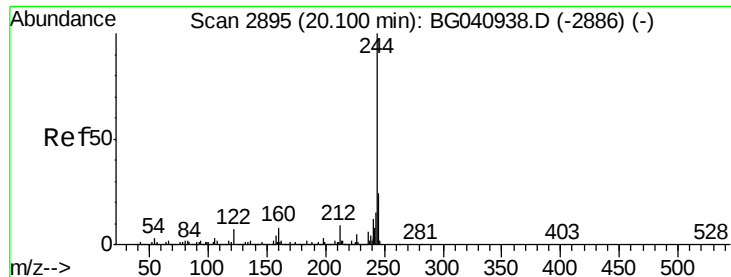
200 21.3 17.5 26.3

203 17.7 15.6 23.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.651 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

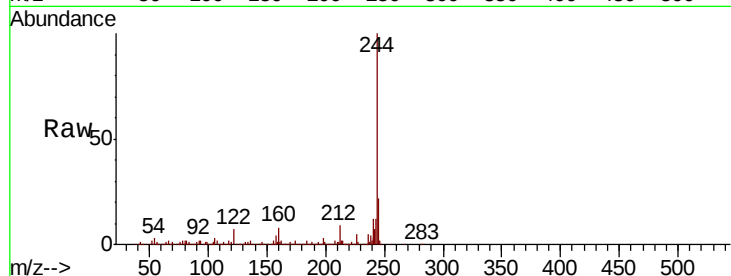
Tgt Ion:244 Resp: 1103037

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.4

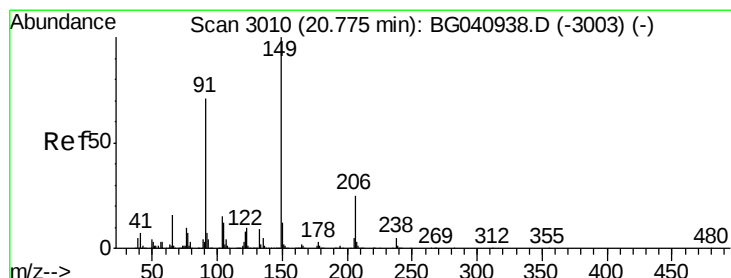
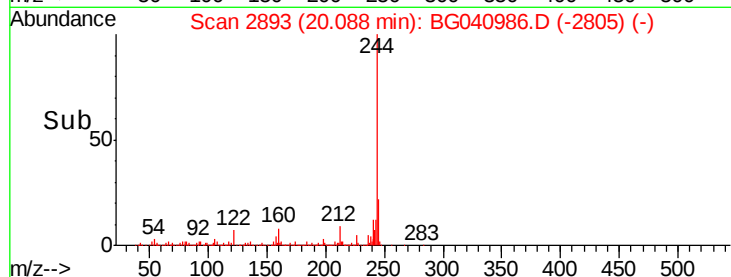
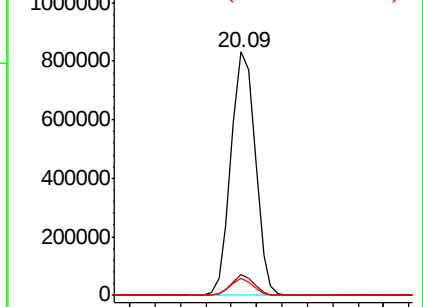
122 7.1 5.4 8.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 21.515 ng

RT: 20.77 min Scan# 3009

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

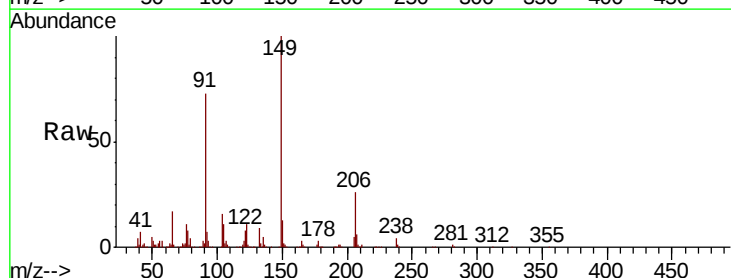
Tgt Ion:149 Resp: 197086

Ion Ratio Lower Upper

149 100

91 73.1 56.5 84.7

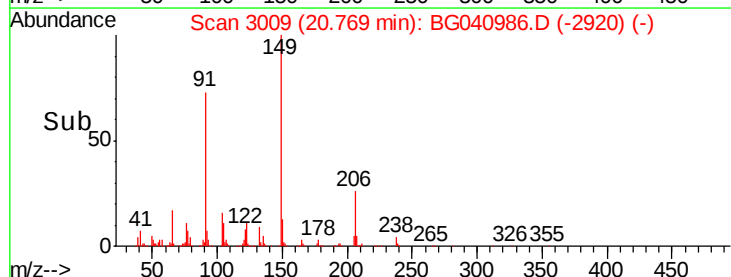
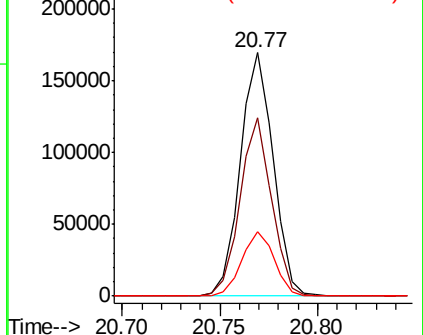
206 26.3 20.3 30.5

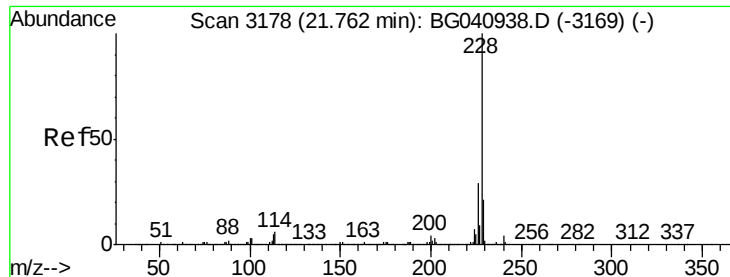


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 22.162 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

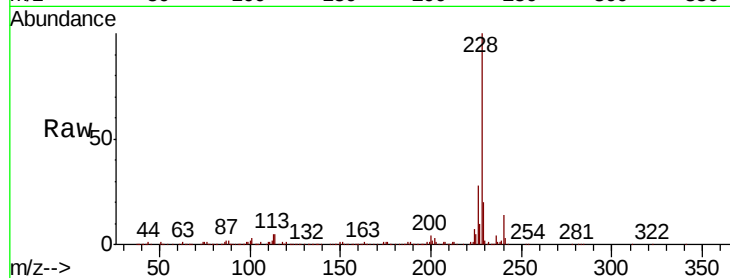
Tgt Ion:228 Resp: 534201

Ion Ratio Lower Upper

228 100

226 27.8 23.5 35.3

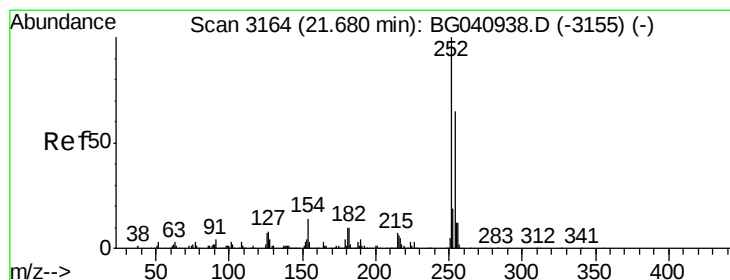
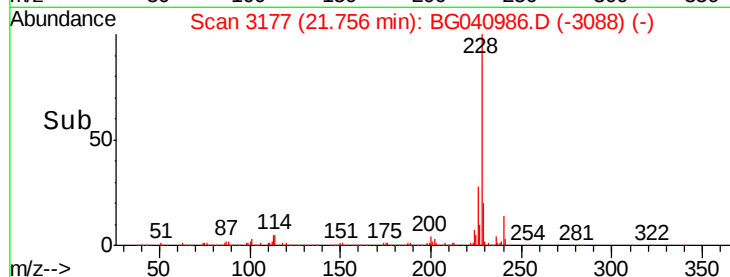
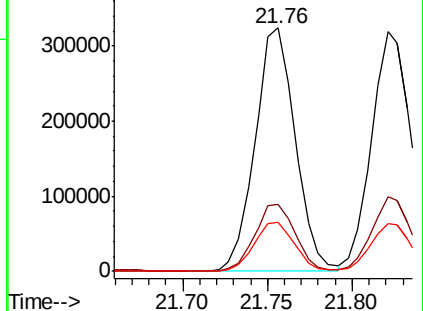
229 20.2 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 22.860 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

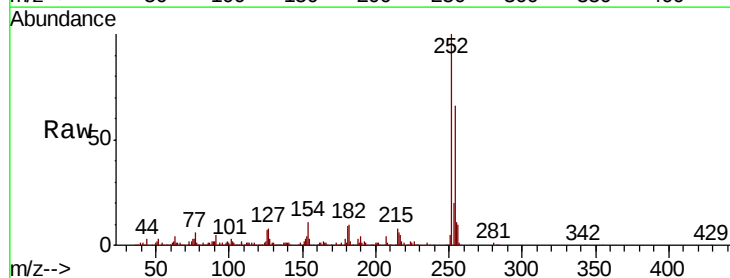
Tgt Ion:252 Resp: 193808

Ion Ratio Lower Upper

252 100

254 65.7 52.1 78.1

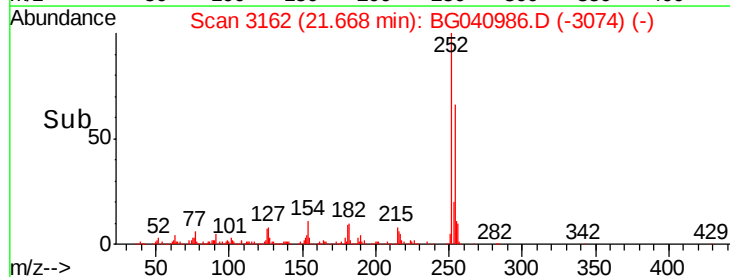
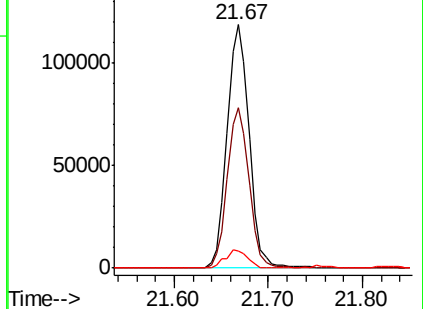
126 6.9 5.5 8.3

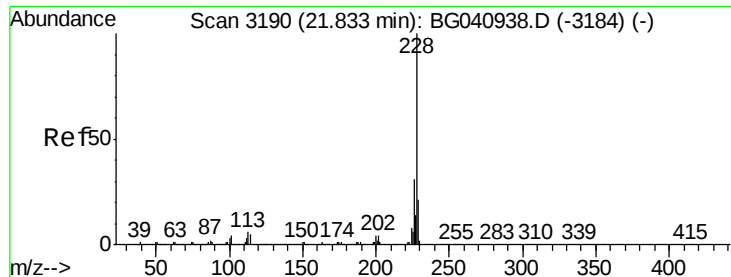


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 22.496 ng

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

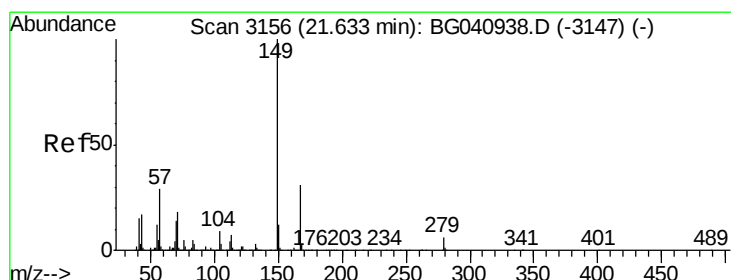
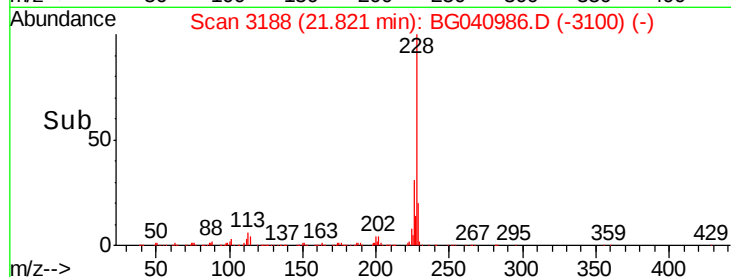
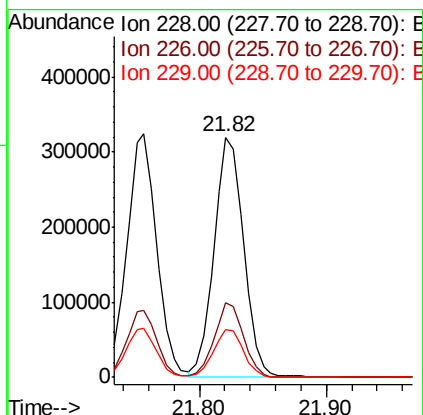
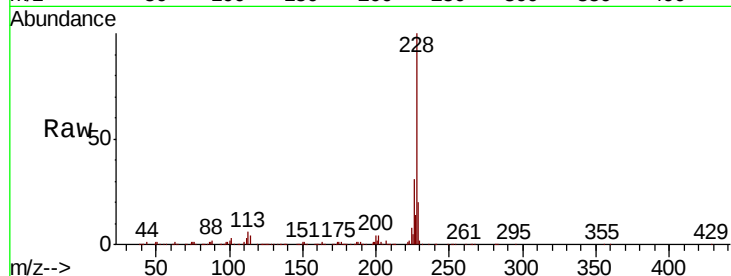
Tgt Ion:228 Resp: 518893

Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

229 19.9 16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.972 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

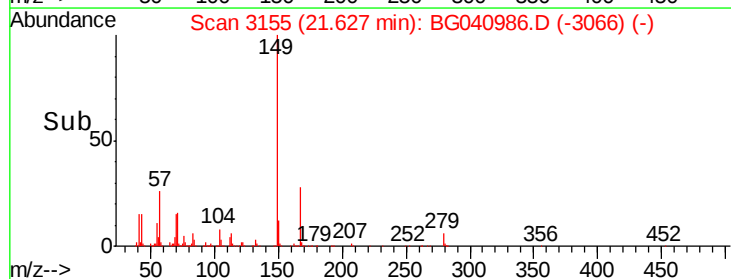
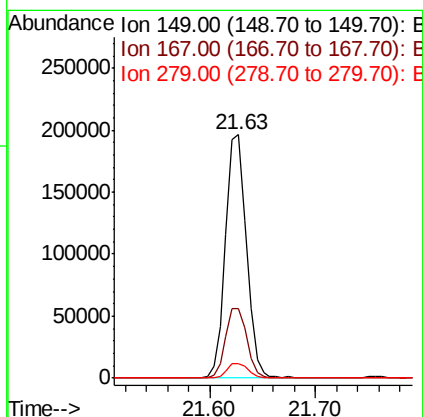
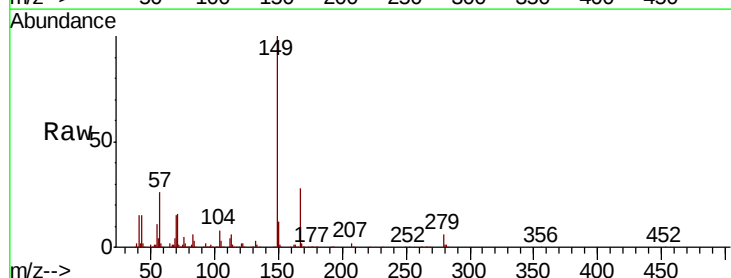
Tgt Ion:149 Resp: 270445

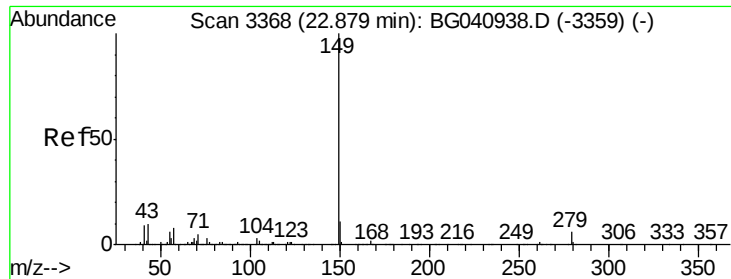
Ion Ratio Lower Upper

149 100

167 28.4 24.6 37.0

279 6.1 5.0 7.6

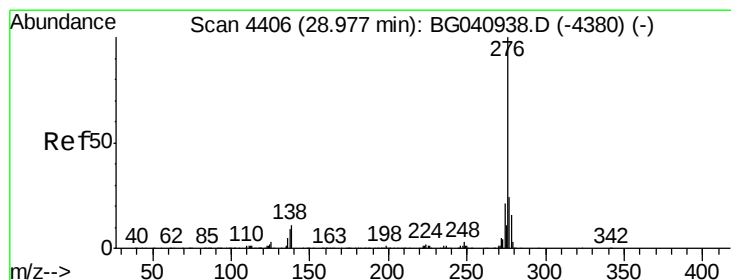
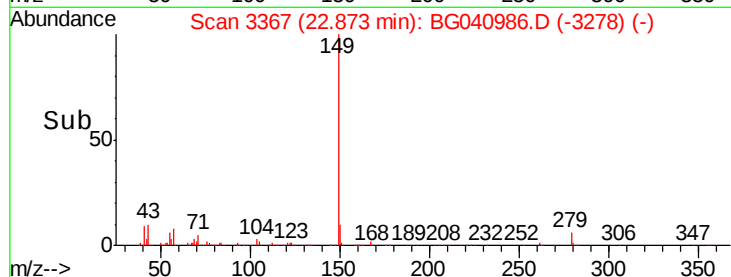
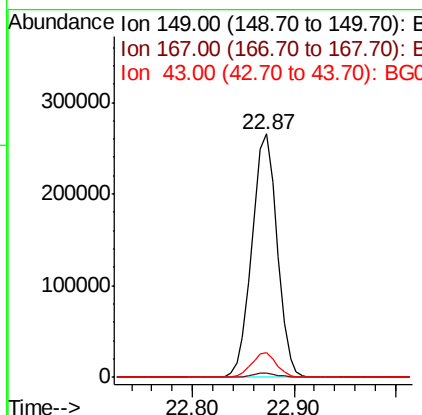
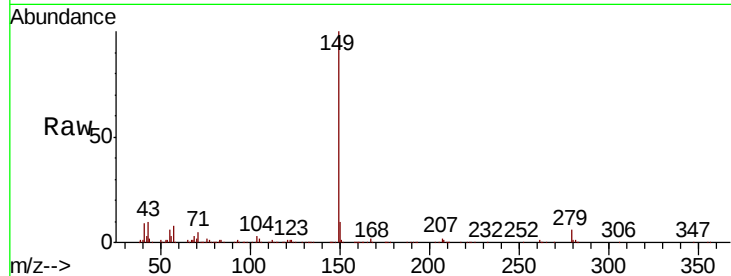




#85
Di-n-octyl phthalate
Concen: 21.421 ng
RT: 22.87 min Scan# 3367
Delta R.T. -0.01 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

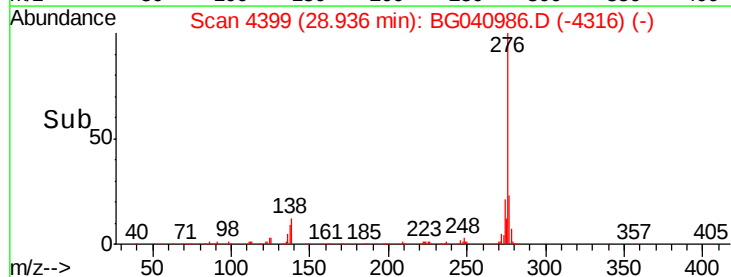
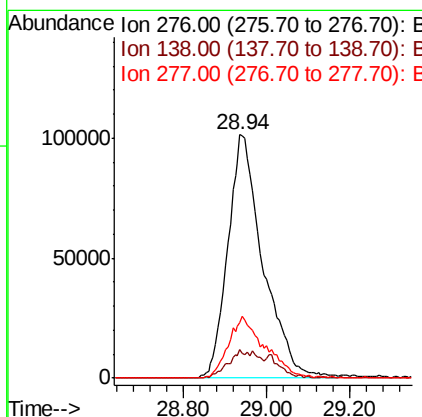
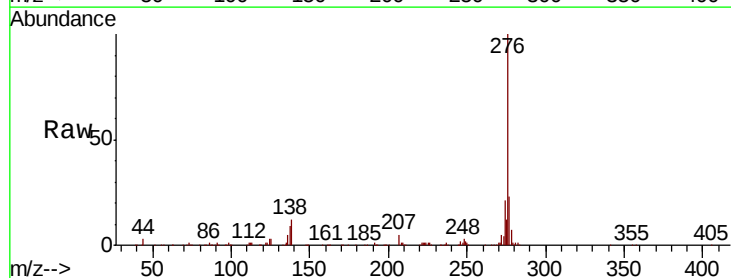
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

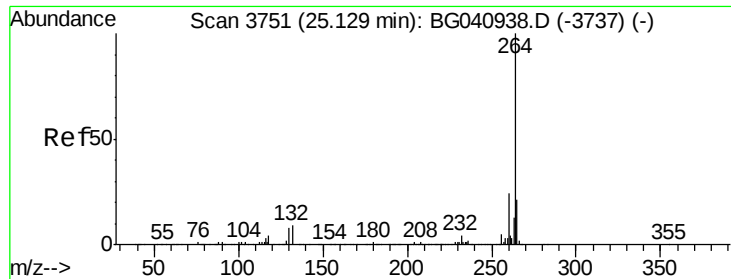
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	460039		
167	1.6		1.4	2.0
43	9.9		8.1	12.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 21.082 ng
RT: 28.94 min Scan# 4399
Delta R.T. -0.04 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	595699		
138	5.5		5.7	8.5#
277	25.9		20.8	31.2





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3748

Delta R.T. -0.02 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

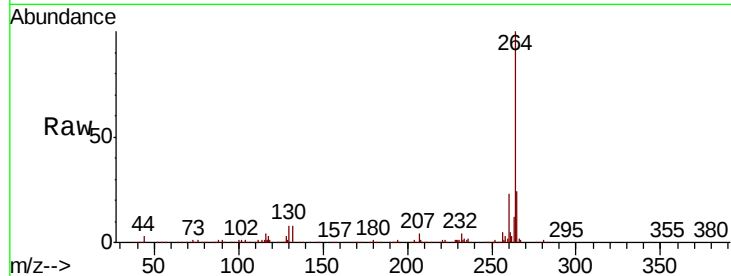
Tgt Ion:264 Resp: 383600

Ion Ratio Lower Upper

264 100

260 22.8 19.0 28.4

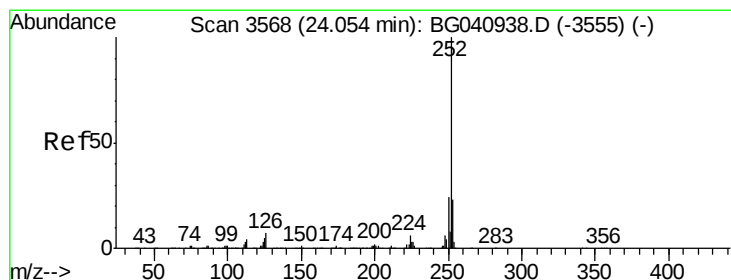
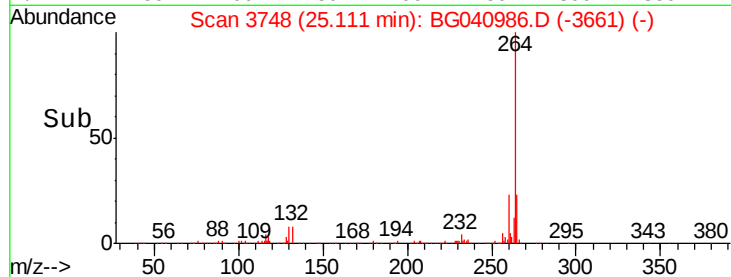
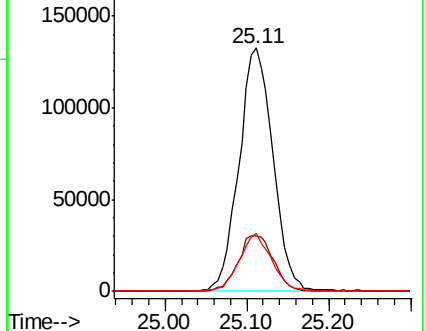
265 23.6 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 22.773 ng

RT: 24.04 min Scan# 3566

Delta R.T. -0.01 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

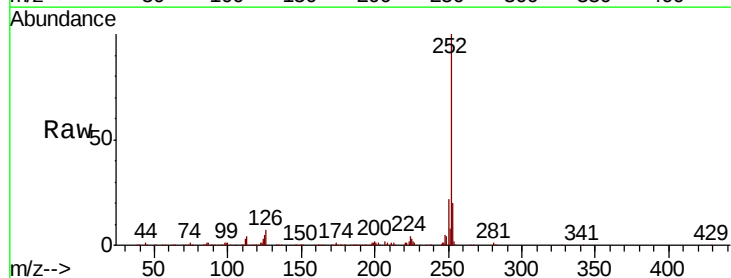
Tgt Ion:252 Resp: 529856

Ion Ratio Lower Upper

252 100

253 20.0 18.4 27.6

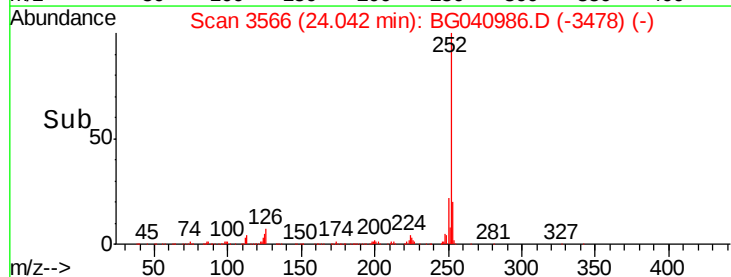
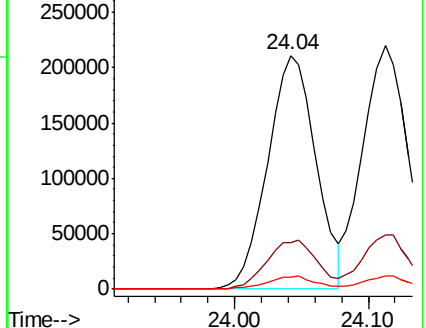
125 5.0 4.3 6.5

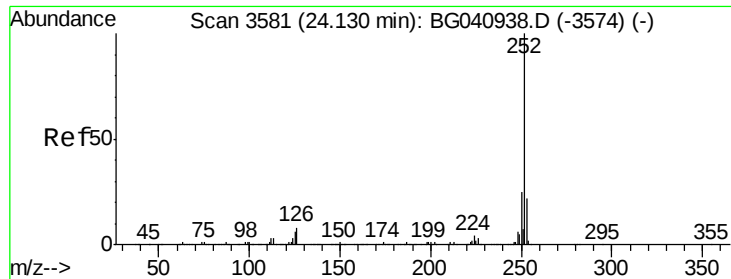


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

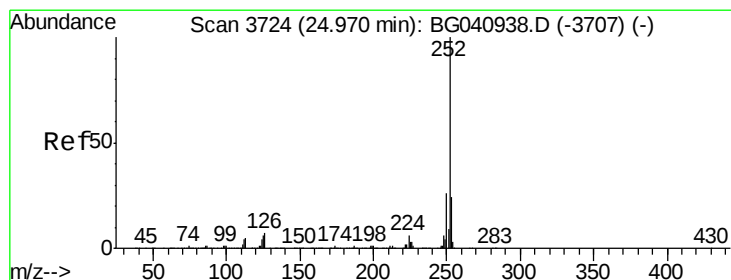
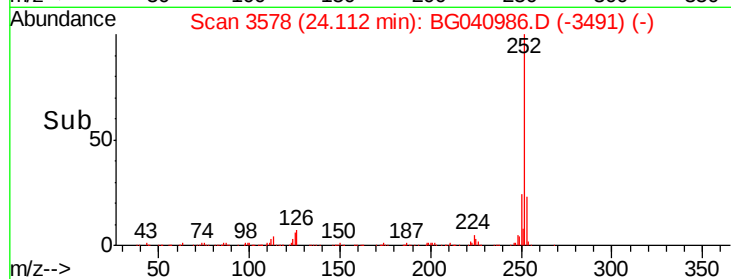
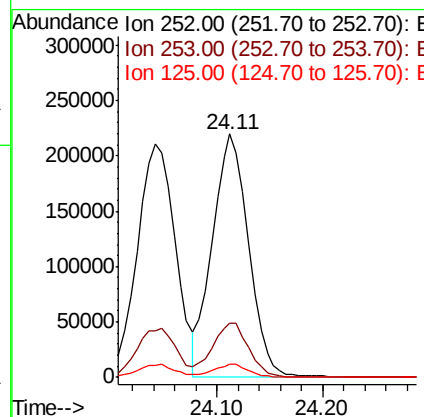
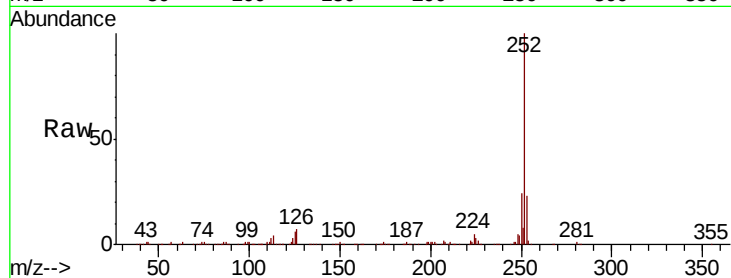




#89
Benzo(k)fluoranthene
Concen: 22.636 ng
RT: 24.11 min Scan# 3578
Delta R.T. -0.02 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

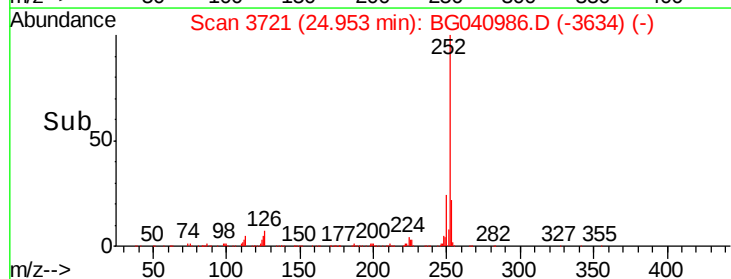
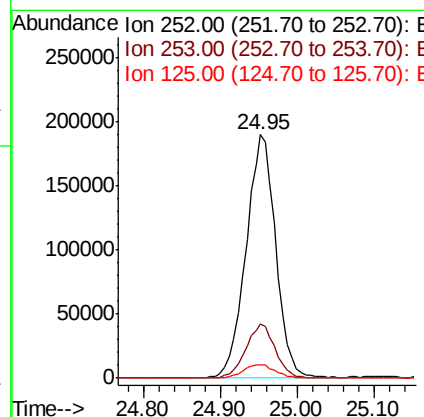
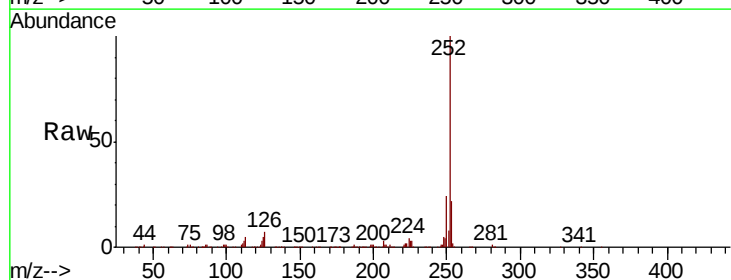
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

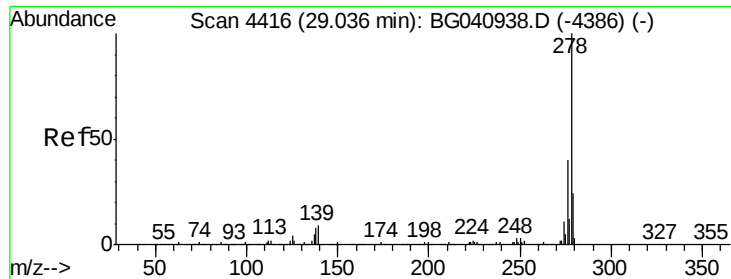
Tgt Ion:252 Resp: 521176
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 5.5 4.7 7.1



#90
Benzo(a)pyrene
Concen: 23.026 ng
RT: 24.95 min Scan# 3721
Delta R.T. -0.02 min
Lab File: BG040986.D
Acq: 31 May 2019 19:52

Tgt Ion:252 Resp: 511134
Ion Ratio Lower Upper
252 100
253 22.1 19.5 29.3
125 5.2 5.1 7.7





#91

Dibenzo(a,h)anthracene

Concen: 21.985 ng

RT: 29.01 min Scan# 4412

Delta R.T. -0.02 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

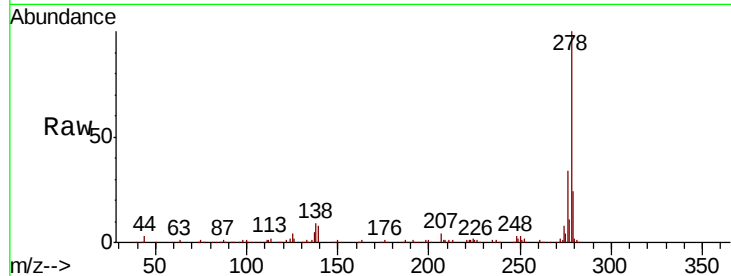
Tgt Ion:278 Resp: 487638

Ion Ratio Lower Upper

278 100

139 7.7 7.1 10.7

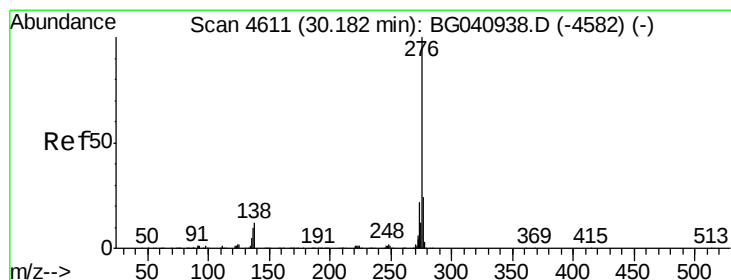
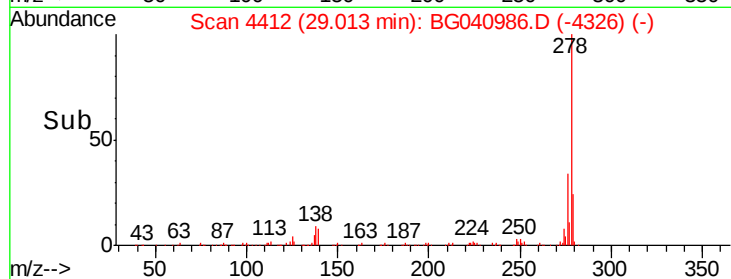
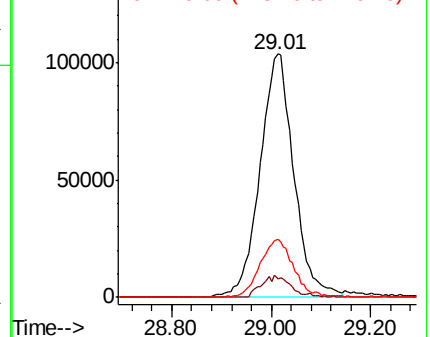
279 23.9 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 22.847 ng

RT: 30.15 min Scan# 4606

Delta R.T. -0.03 min

Lab File: BG040986.D

Acq: 31 May 2019 19:52

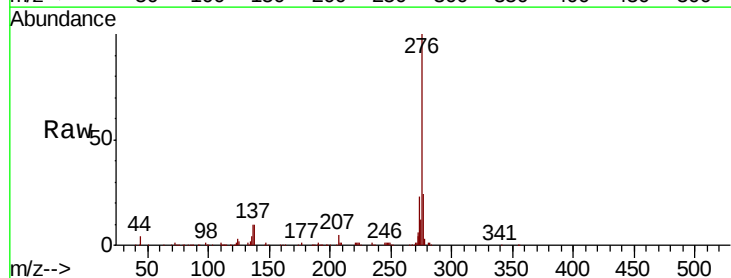
Tgt Ion:276 Resp: 492335

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.0

138 10.4 9.7 14.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

