

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045978.D
 Acq On : 8 Jul 2020 12:52
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 13:30:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 12:06:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	140105	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	577257	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	345464	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	696290	20.00	ng	0.00
76) Chrysene-d12	21.63	240	666248	20.00	ng	0.00
86) Perylene-d12	24.78	264	675917	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	809382	93.68	ng	0.00
7) Phenol-d6	7.16	99	1190176	95.68	ng	0.00
23) Nitrobenzene-d5	9.16	82	838999	83.66	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	302313	94.29	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1613086	72.83	ng	0.00
79) Terphenyl-d14	19.98	244	1729830	57.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	35168	8.823	ng	96
3) Pyridine	3.90	79	73659	6.112	ng	97
4) n-Nitrosodimethylamine	3.82	42	32630	8.007	ng	96
6) Aniline	7.33	93	115668	7.269	ng	97
8) 2-Chlorophenol	7.57	128	65310	7.022	ng	95
9) Benzaldehyde	7.14	77	77132	9.787	ng	96
10) Phenol	7.19	94	88859	7.122	ng	99
11) bis(2-Chloroethyl)ether	7.42	93	72951	7.070	ng	98
12) 1,3-Dichlorobenzene	7.90	146	75498	7.043	ng	95
13) 1,4-Dichlorobenzene	8.04	146	76833	7.286	ng	96
14) 1,2-Dichlorobenzene	8.36	146	70706	6.967	ng	96
15) Benzyl Alcohol	8.23	79	66918	6.861	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.53	45	91507	6.798	ng	98
17) 2-Methylphenol	8.44	107	59140	6.317	ng	96
18) Hexachloroethane	9.09	117	28672	7.066	ng	90
19) n-Nitroso-di-n-propylamine	8.80	70	64054	7.330	ng	98
20) 3+4-Methylphenols	8.76	107	82574	6.471	ng	98
22) Acetophenone	8.82	105	112984	7.326	ng	# 96
24) Nitrobenzene	9.20	77	89873	8.119	ng	# 95
25) Isophorone	9.72	82	165157	6.746	ng	98
26) 2-Nitrophenol	9.91	139	26446	7.330	ng	98
27) 2,4-Dimethylphenol	9.97	122	63021	7.232	ng	96
28) bis(2-Chloroethoxy)methane	10.21	93	98265	7.147	ng	96
29) 2,4-Dichlorophenol	10.45	162	58204	6.452	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	68753	6.878	ng	98
31) Naphthalene	10.85	128	221749	7.166	ng	98
32) Benzoic acid	10.03	122	15448	3.274	ng	95
33) 4-Chloroaniline	10.95	127	91852	6.642	ng	94
34) Hexachlorobutadiene	11.15	225	36132	6.191	ng	93
35) Caprolactam	11.68	113	22509	6.572	ng	# 86
36) 4-Chloro-3-methylphenol	12.07	107	67449	6.564	ng	99
37) 2-Methylnaphthalene	12.46	142	160122	7.279	ng	99
38) 1-Methylnaphthalene	12.67	142	150637	7.256	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	70873	7.278	ng	99

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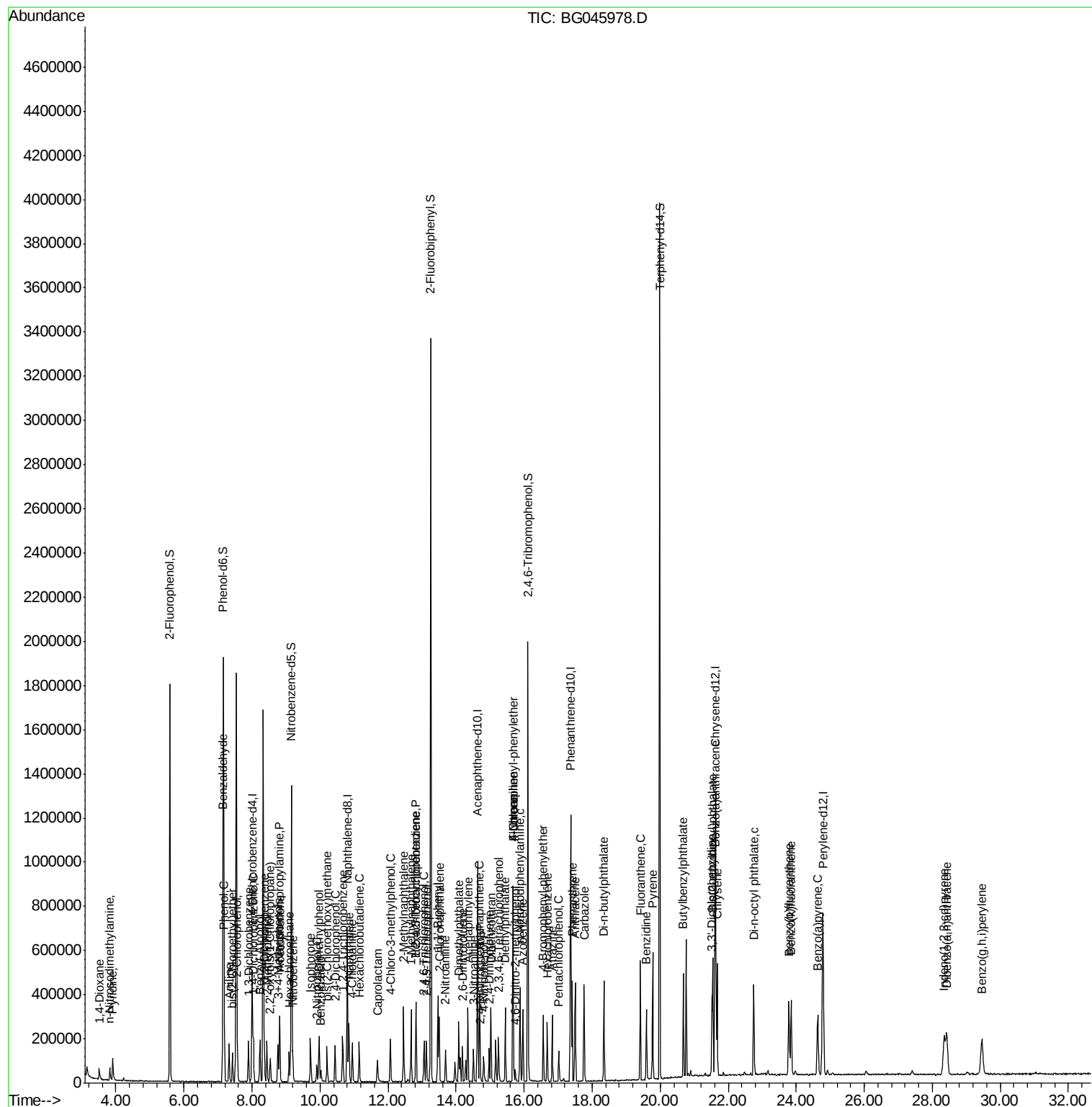
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	39712	6.872	ng	96
43) 2,4,6-Trichlorophenol	13.06	196	43290	6.573	ng	88
44) 2,4,5-Trichlorophenol	13.13	196	47177	6.335	ng	92
46) 1,1'-Biphenyl	13.46	154	201530	7.755	ng	95
47) 2-Chloronaphthalene	13.50	162	143221	6.985	ng	96
48) 2-Nitroaniline	13.69	65	39456	8.222	ng	94
49) Acenaphthylene	14.34	152	245631	7.425	ng	96
50) Dimethylphthalate	14.08	163	177447	6.844	ng	99
51) 2,6-Dinitrotoluene	14.19	165	29764	7.399	ng	95
52) Acenaphthene	14.69	154	143887	6.895	ng	95
53) 3-Nitroaniline	14.51	138	35097	7.040	ng	92
54) 2,4-Dinitrophenol	14.72	184	6857	4.832	ng	# 72
55) Dibenzofuran	15.02	168	218369	7.139	ng	95
56) 4-Nitrophenol	14.81	139	27573	6.528	ng	96
57) 2,4-Dinitrotoluene	14.97	165	37222	7.488	ng	# 88
58) Fluorene	15.67	166	179028	7.135	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.25	232	38419	6.682	ng	89
60) Diethylphthalate	15.45	149	184667	6.792	ng	93
61) 4-Chlorophenyl-phenylether	15.67	204	84391	6.760	ng	98
62) 4-Nitroaniline	15.67	138	39671	7.403	ng	95
63) Azobenzene	15.96	77	211367	7.243	ng	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	11956	5.863	ng	88
66) n-Nitrosodiphenylamine	15.88	169	157035	7.278	ng	96
67) 4-Bromophenyl-phenylether	16.56	248	49824	6.407	ng	97
68) Hexachlorobenzene	16.68	284	52942	6.784	ng	98
69) Atrazine	16.83	200	51163	8.020	ng	94
70) Pentachlorophenol	17.02	266	23765	5.477	ng	99
71) Phenanthrene	17.41	178	269925	7.333	ng	96
72) Anthracene	17.50	178	277870	7.438	ng	95
73) Carbazole	17.76	167	263527	7.038	ng	95
74) Di-n-butylphthalate	18.34	149	317234	7.011	ng	# 94
75) Fluoranthene	19.42	202	318171	7.477	ng	94
77) Benzidine	19.59	184	171907	9.024	ng	100
78) Pyrene	19.78	202	328988	7.234	ng	94
80) Butylbenzylphthalate	20.68	149	134122	6.241	ng	97
81) Benzo(a)anthracene	21.60	228	312997	7.145	ng	93
82) 3,3'-Dichlorobenzidine	21.52	252	117696	7.271	ng	98
83) Chrysene	21.67	228	295914	7.090	ng	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	209439	6.714	ng	# 95
85) Di-n-octyl phthalate	22.75	149	344495	6.363	ng	98
87) Indeno(1,2,3-cd)pyrene	28.35	276	335222	6.779	ng	98
88) Benzo(b)fluoranthene	23.78	252	306052	7.133	ng	98
89) Benzo(k)fluoranthene	23.85	252	302414	7.454	ng	100
90) Benzo(a)pyrene	24.63	252	275111	6.819	ng	99
91) Dibenzo(a,h)anthracene	28.42	278	279309	7.003	ng	97
92) Benzo(g,h,i)perylene	29.46	276	281540	7.015	ng	97

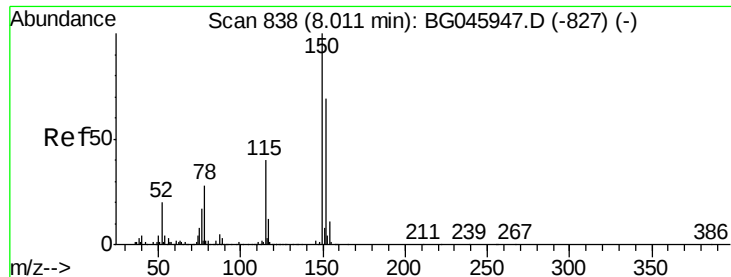
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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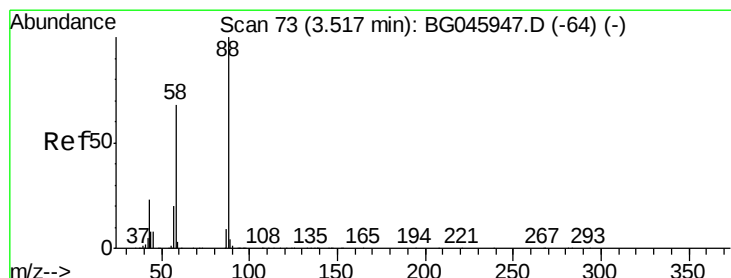
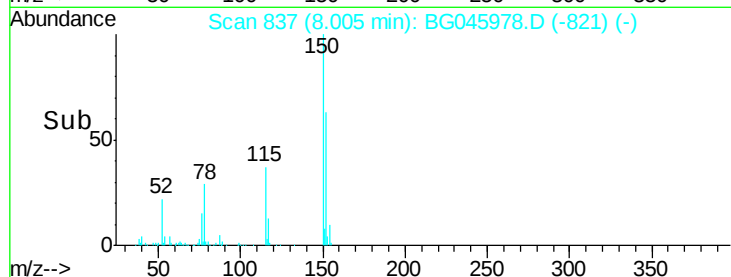
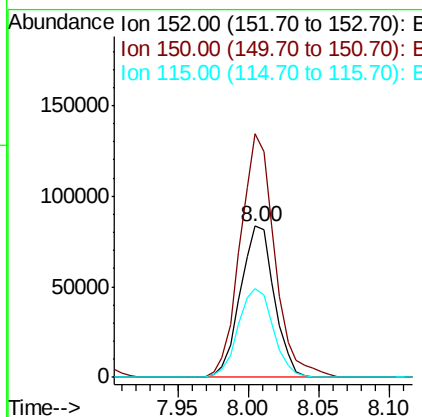
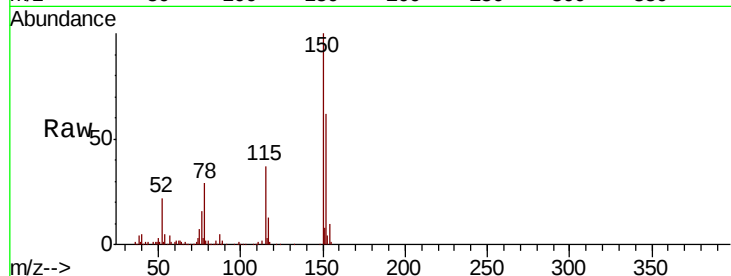


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

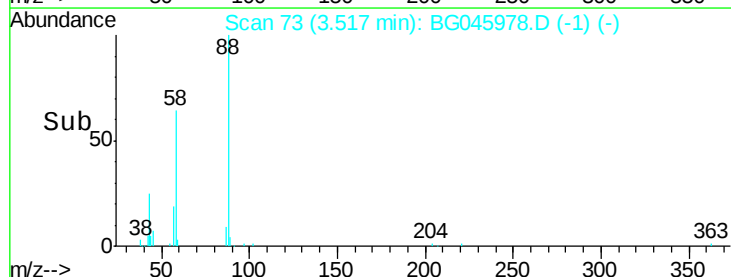
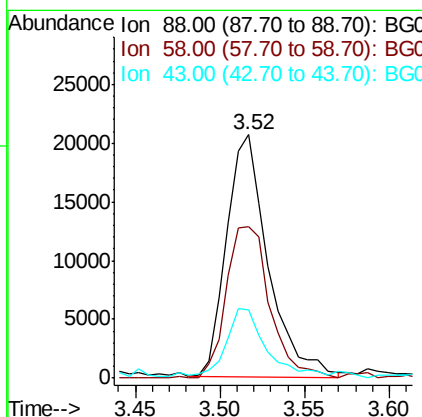
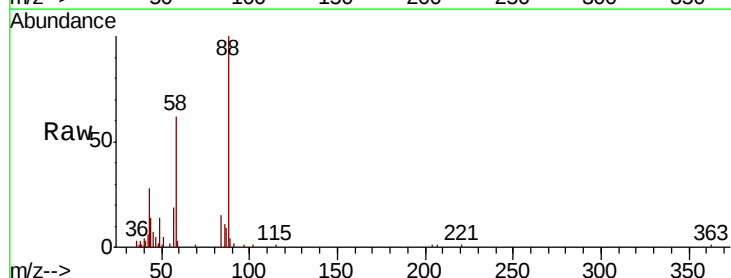
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	116.7	175.1
115	59.0	47.4	71.0

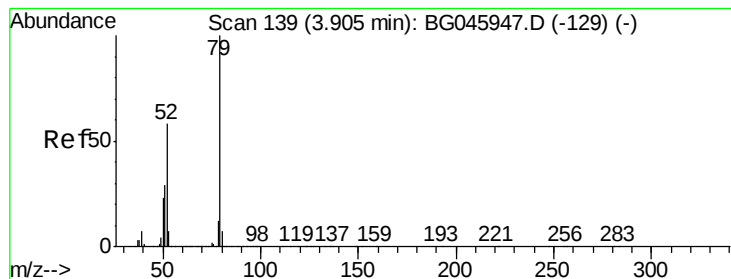


#2

1,4-Dioxane
Concen: 8.823 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.0	55.2	82.8
43	26.3	19.4	29.0





#3

Pvridine

Concen: 6.112 ng

RT: 3.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

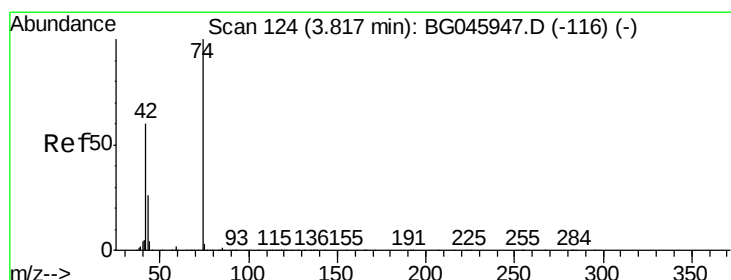
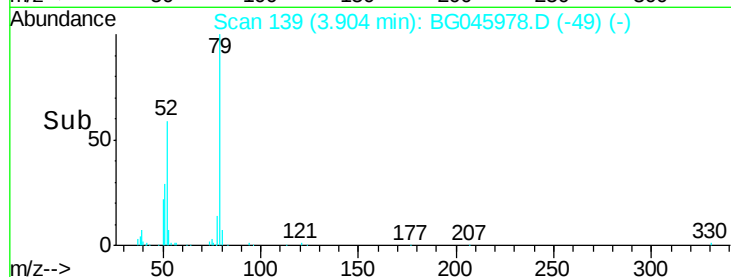
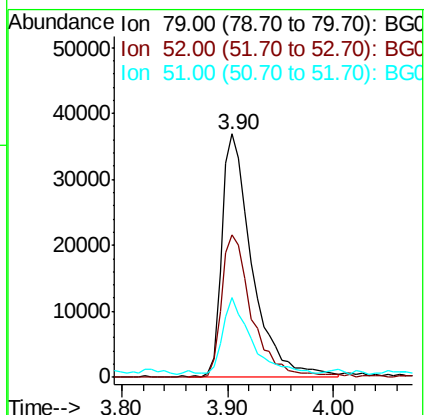
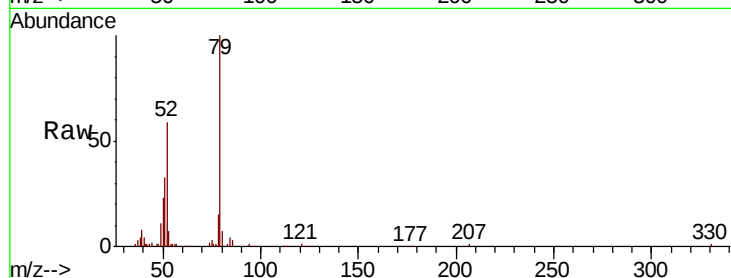
Tot Ion: 79 Resp: 73659

Ion Ratio Lower Upper

79 100

52 58.7 46.5 69.7

51 32.8 23.5 35.3



#4

n-Nitrosodimethylamine

Concen: 8.007 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

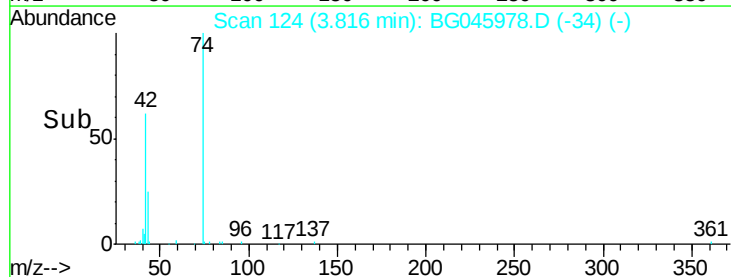
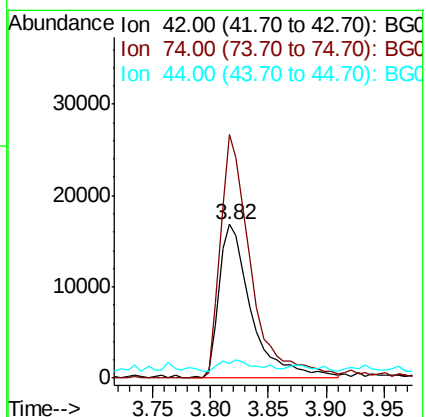
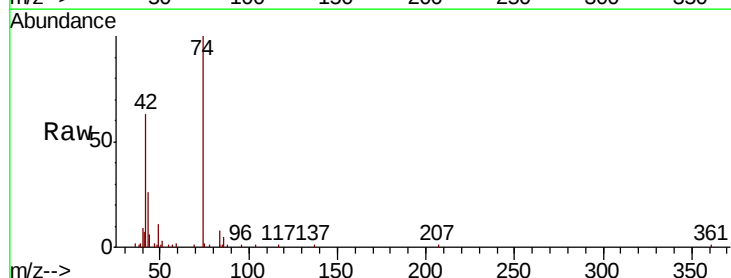
Tgt Ion: 42 Resp: 32630

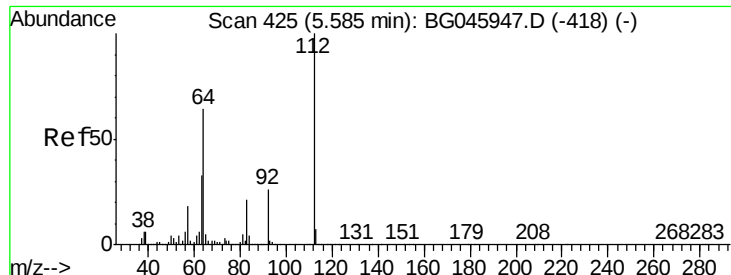
Ion Ratio Lower Upper

42 100

74 158.6 131.9 197.9

44 9.8 7.7 11.5





#5

2-Fluorophenol

Concen: 93.683 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

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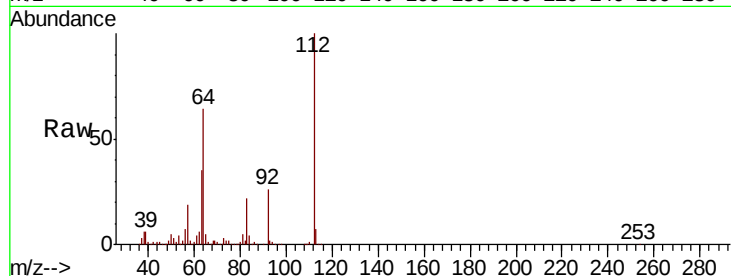
Tot Ion:112 Resp: 809382

Ion Ratio Lower Upper

112 100

64 63.7 51.4 77.2

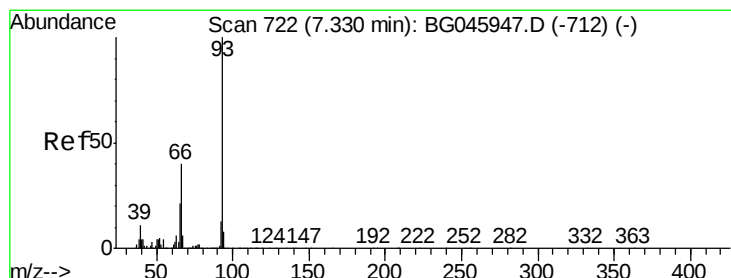
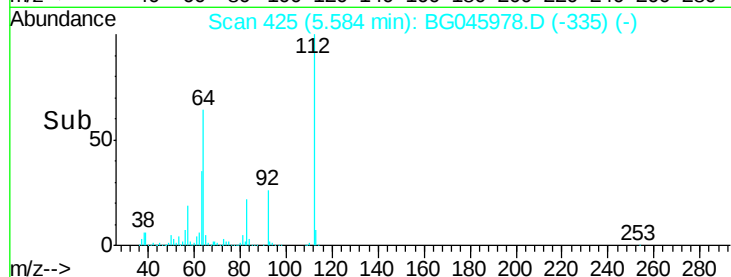
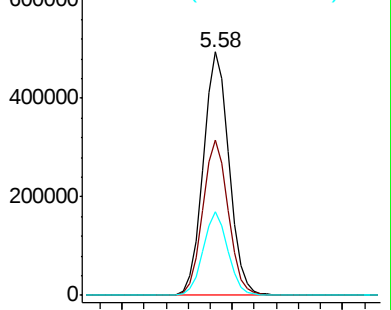
63 34.5 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 7.269 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

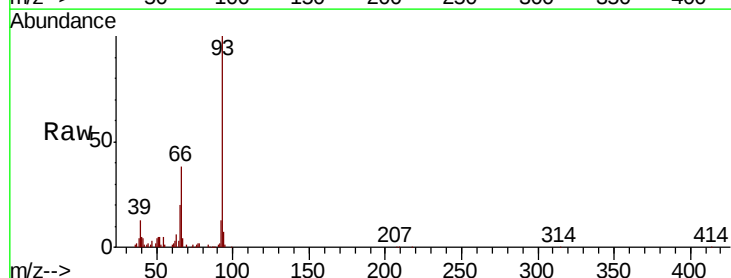
Tgt Ion: 93 Resp: 115668

Ion Ratio Lower Upper

93 100

66 38.1 32.3 48.5

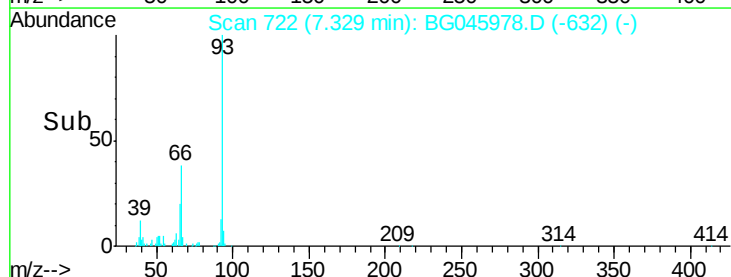
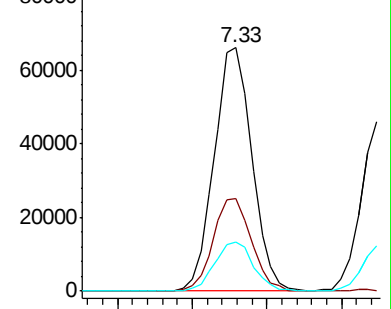
65 20.2 16.6 25.0

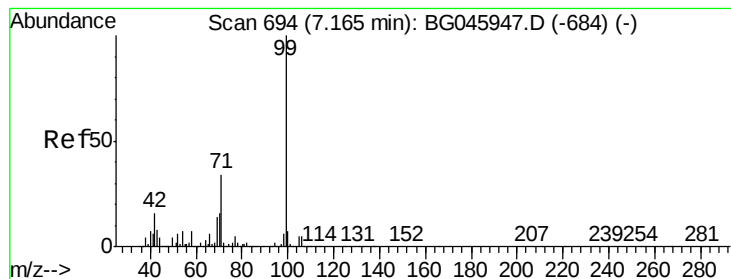


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 95.685 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045978.D

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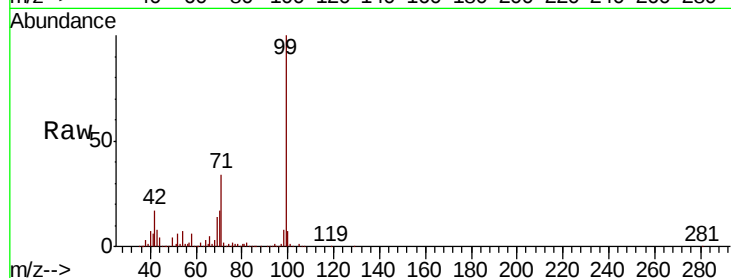
Tot Ion: 99 Resp: 1190176

Ion Ratio Lower Upper

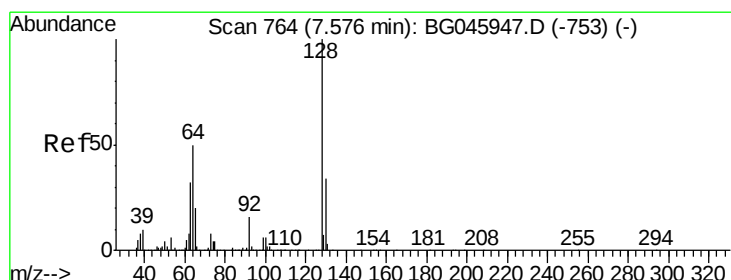
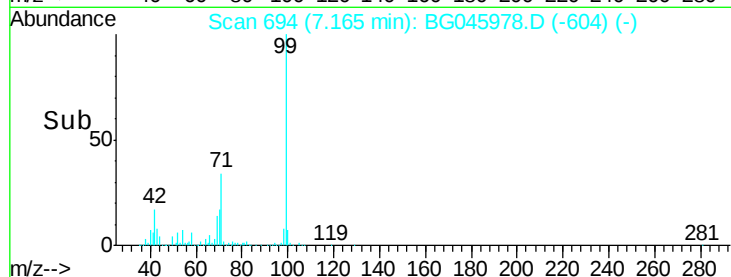
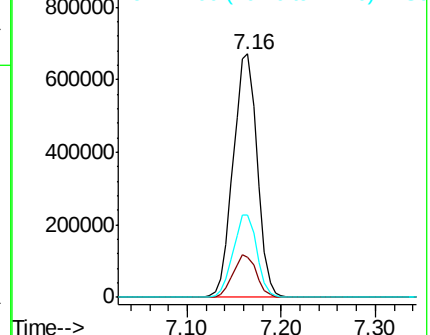
99 100

42 16.6 13.0 19.4

71 34.0 27.5 41.3



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: 7.022 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

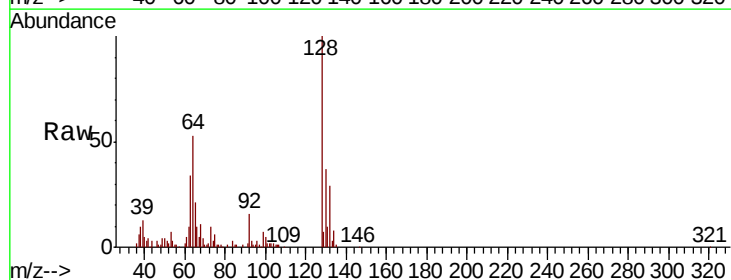
Tgt Ion: 128 Resp: 65310

Ion Ratio Lower Upper

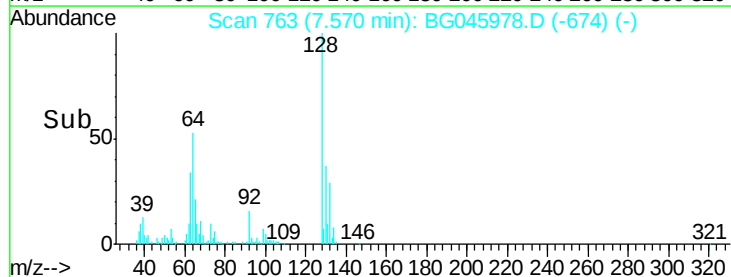
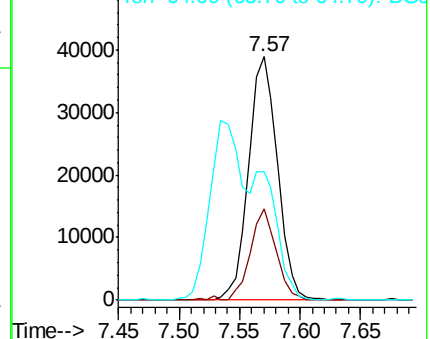
128 100

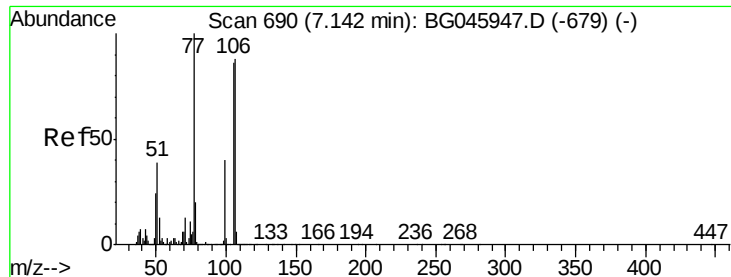
130 37.3 13.6 53.6

64 53.0 30.6 70.6



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





#9

Benzaldehyde

Concen: 9.787 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

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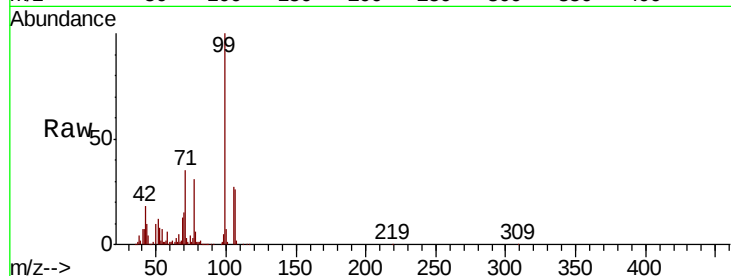
Tot Ion: 77 Resp: 77132

Ion Ratio Lower Upper

77 100

105 87.8 66.0 106.0

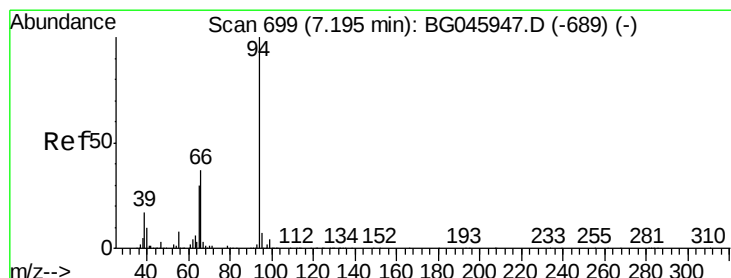
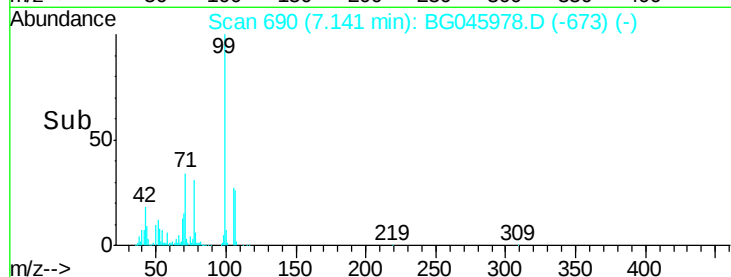
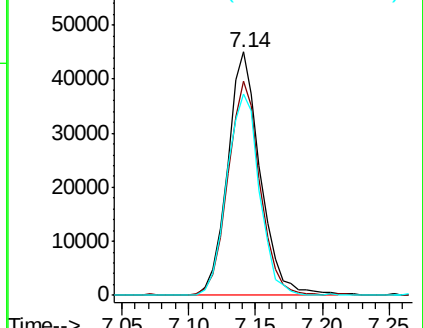
106 82.8 67.7 107.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 7.122 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

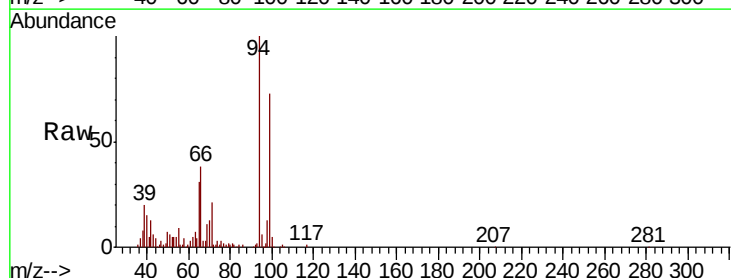
Tgt Ion: 94 Resp: 88859

Ion Ratio Lower Upper

94 100

65 31.2 10.6 50.6

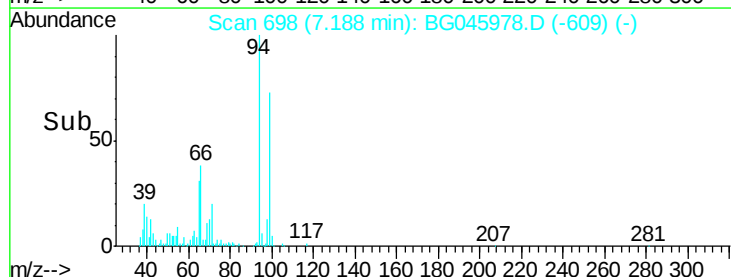
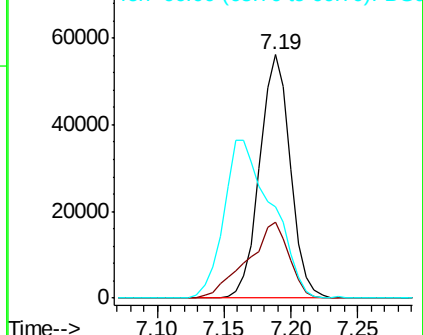
66 37.6 17.1 57.1

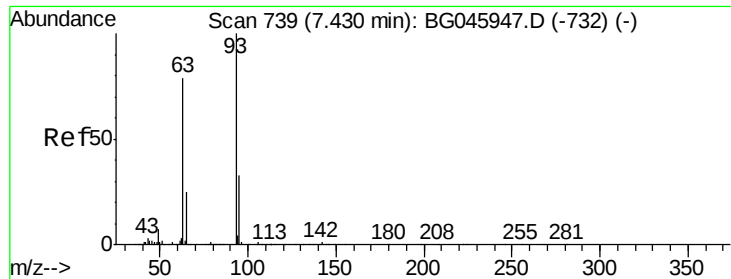


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

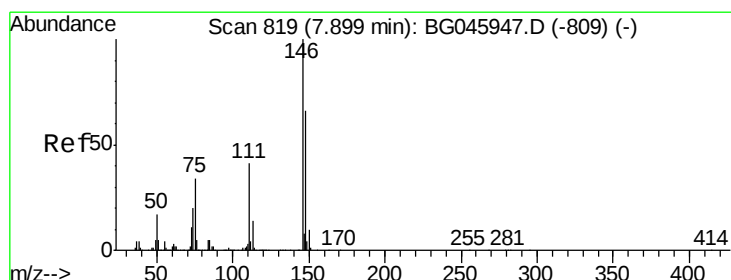
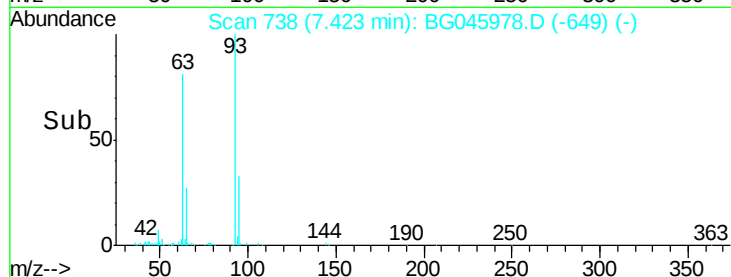
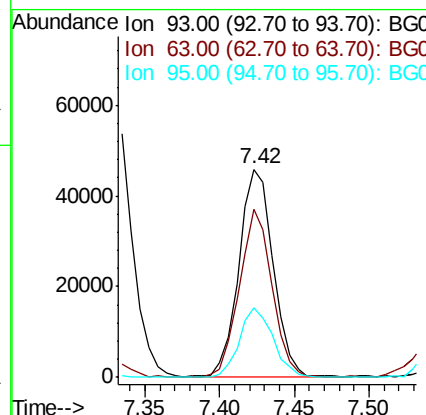
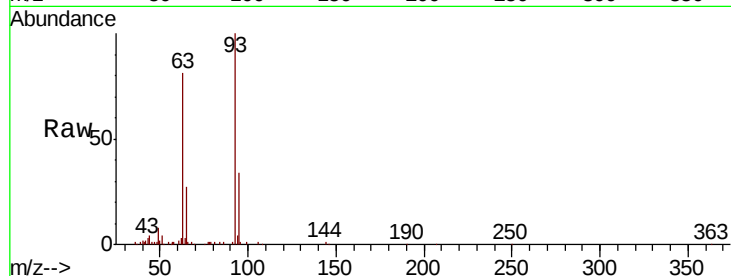




#11
bis(2-Chloroethyl)ether
Concen: 7.070 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

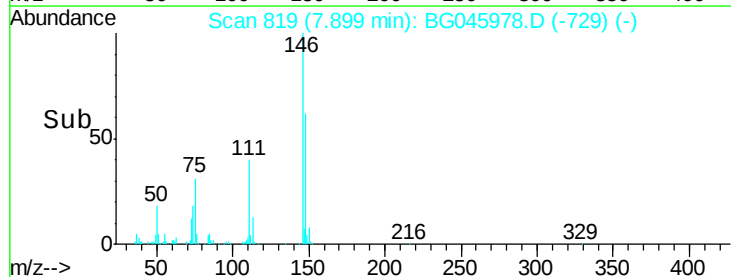
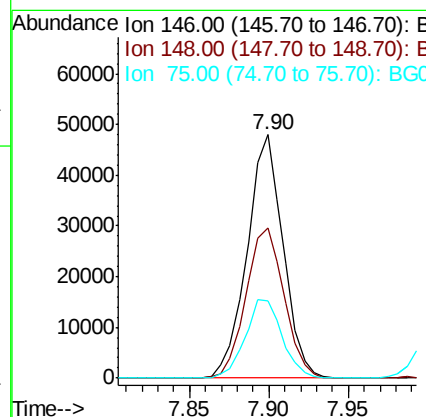
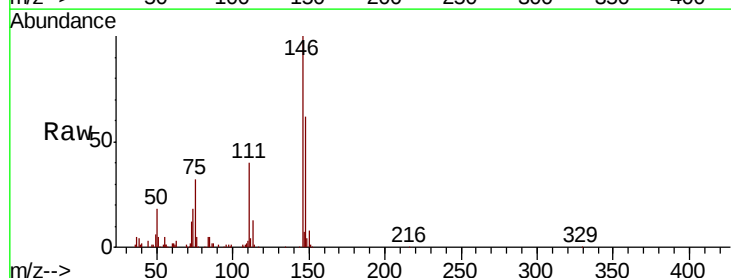
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

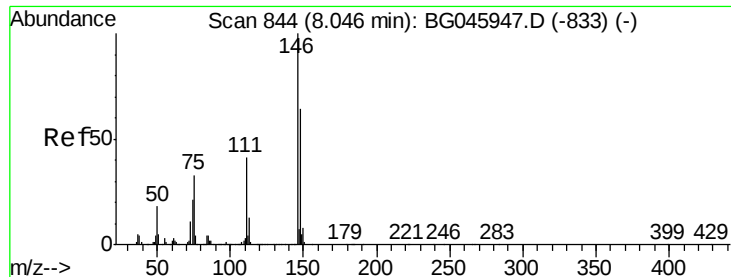
Tot Ion: 93 Resp: 72951
Ion Ratio Lower Upper
93 100
63 80.7 58.6 98.6
95 33.5 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 7.043 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion: 146 Resp: 75498
Ion Ratio Lower Upper
146 100
148 61.9 52.8 79.2
75 31.8 27.2 40.8

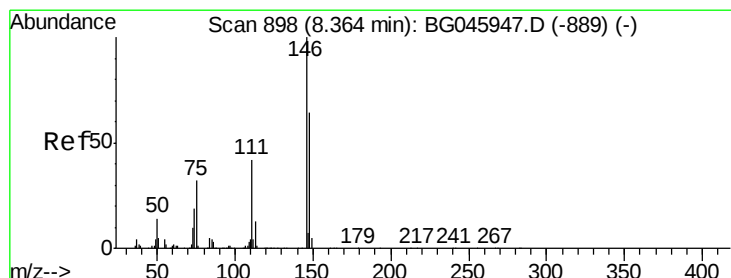
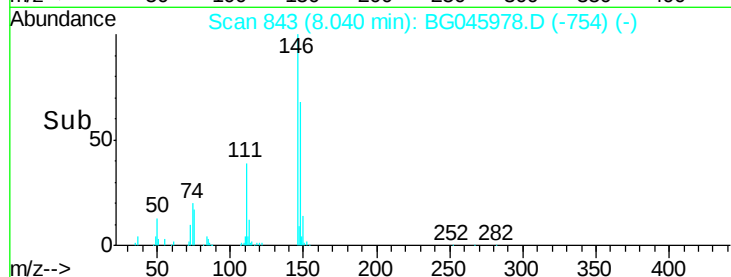
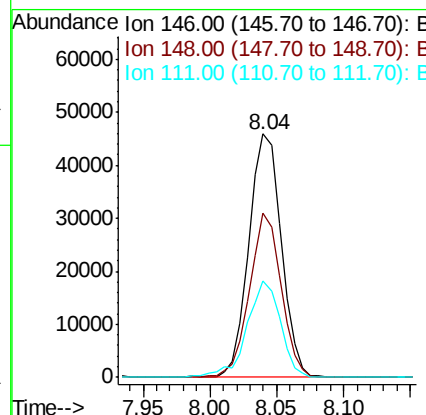
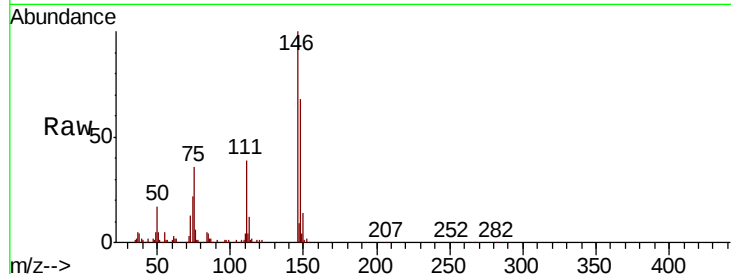




#13
 1,4-Dichlorobenzene
 Concen: 7.286 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

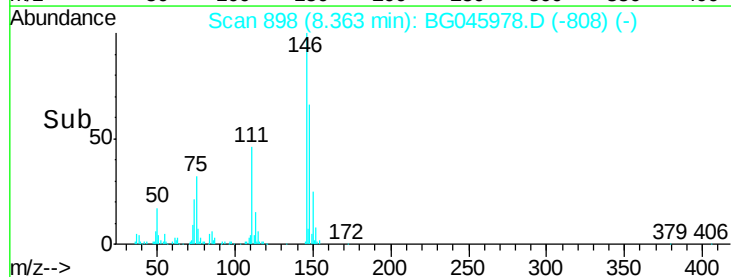
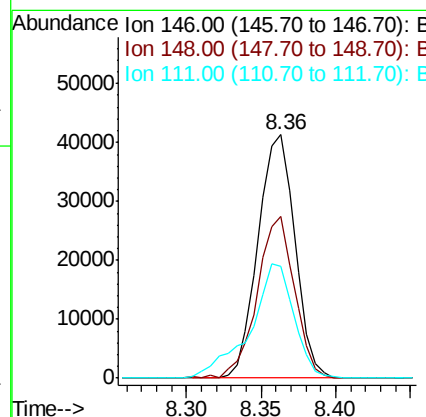
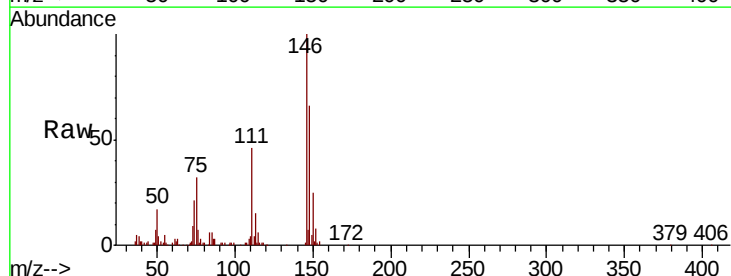
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

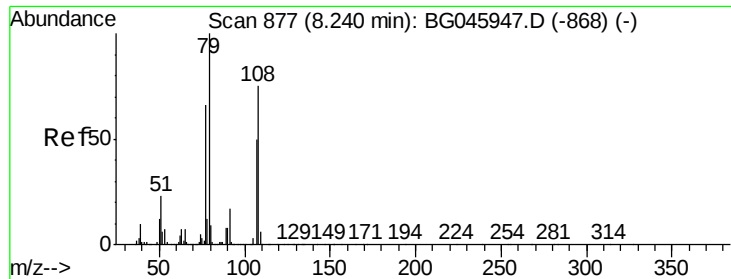
Tot Ion:146 Resp: 76833
 Ion Ratio Lower Upper
 146 100
 148 67.7 51.7 77.5
 111 39.4 33.3 49.9



#14
 1,2-Dichlorobenzene
 Concen: 6.967 ng
 RT: 8.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion:146 Resp: 70706
 Ion Ratio Lower Upper
 146 100
 148 66.2 51.6 77.4
 111 46.0 34.0 51.0





#15

Benzyl Alcohol

Concen: 6.861 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

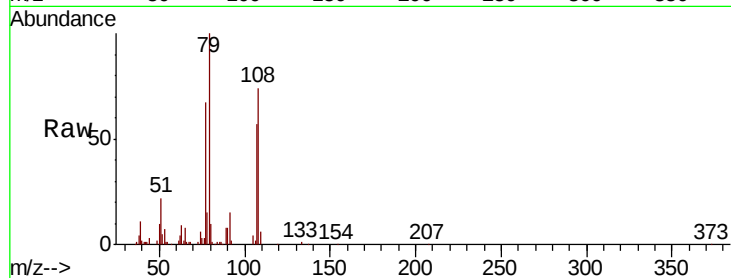
Tot Ion: 79 Resp: 66918

Ion Ratio Lower Upper

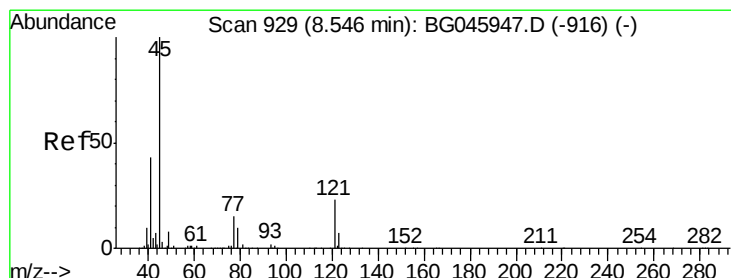
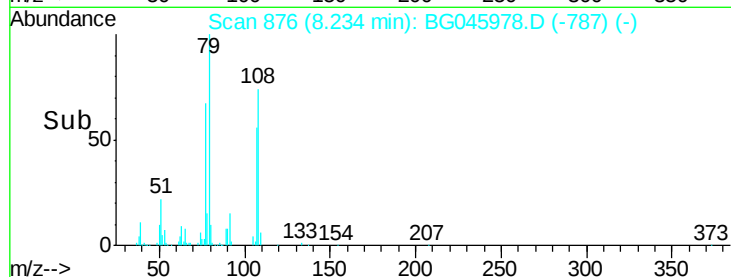
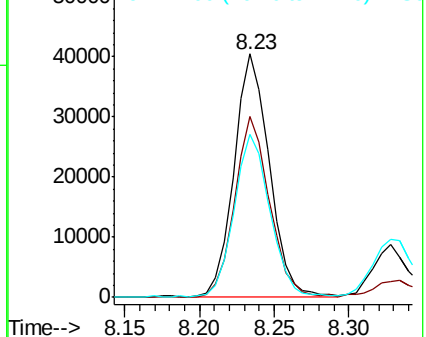
79 100

108 74.4 60.2 90.4

77 67.0 52.9 79.3



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: 6.798 ng

RT: 8.53 min Scan# 927

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

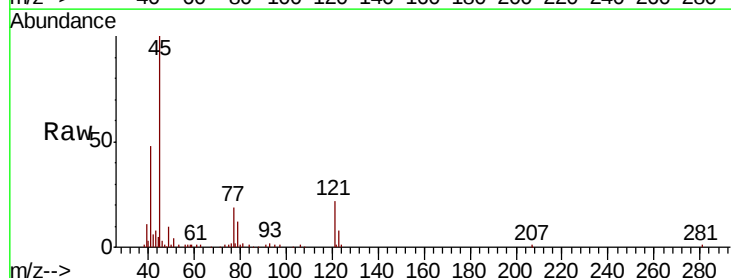
Tgt Ion: 45 Resp: 91507

Ion Ratio Lower Upper

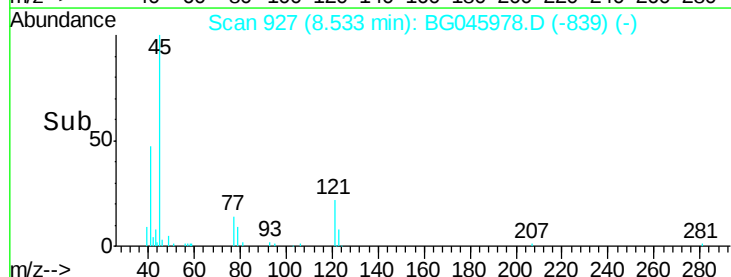
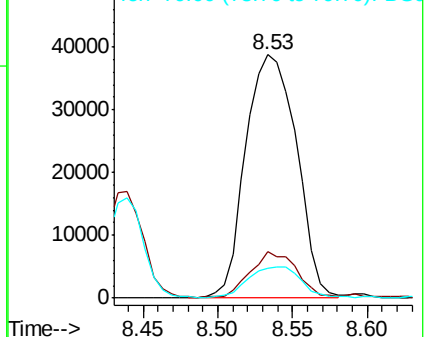
45 100

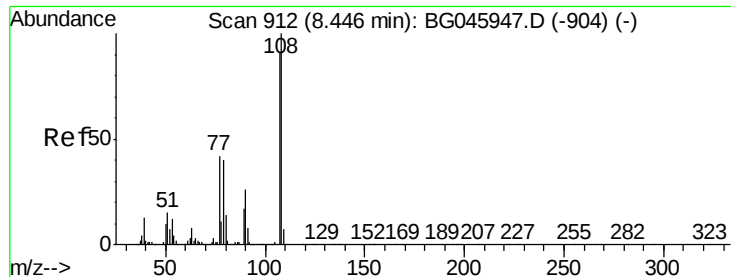
77 19.0 0.0 37.6

79 12.5 0.0 32.6



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

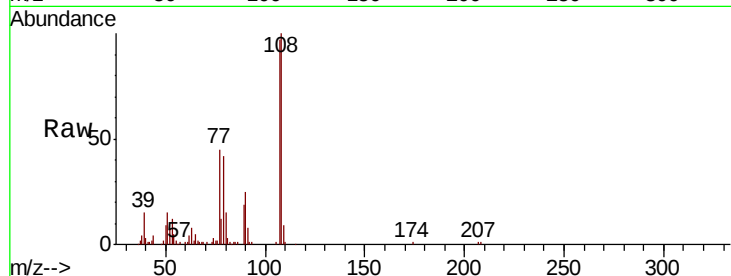




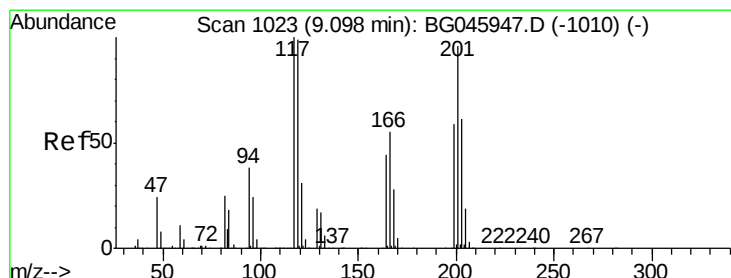
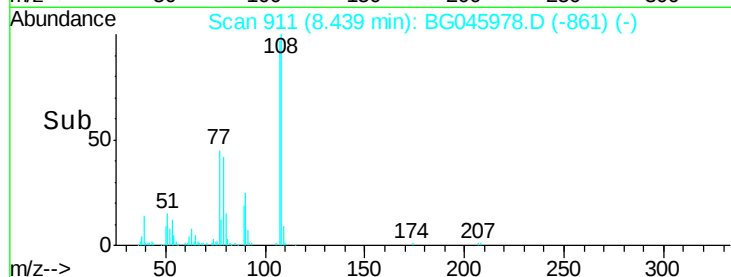
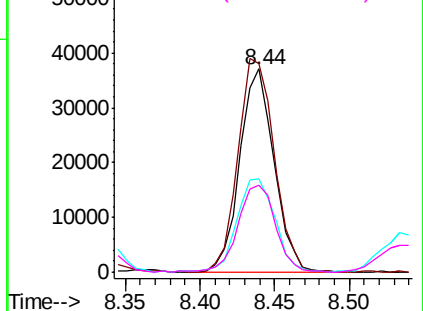
#17
2-Methylphenol
Concen: 6.317 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	107	Resp:	59140
Ion	Ratio	Lower	Upper
107	100		
108	102.8	88.2	132.4
77	46.0	37.0	55.4
79	42.9	35.4	53.0

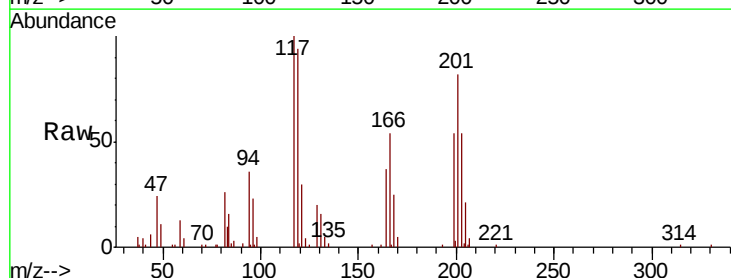


Abundance Ion 107.00 (106.70 to 107.70): E
60000 Ion 108.00 (107.70 to 108.70): E
50000 Ion 77.00 (76.70 to 77.70): BGC
40000 Ion 79.00 (78.70 to 79.70): BGC
30000
20000
10000
0

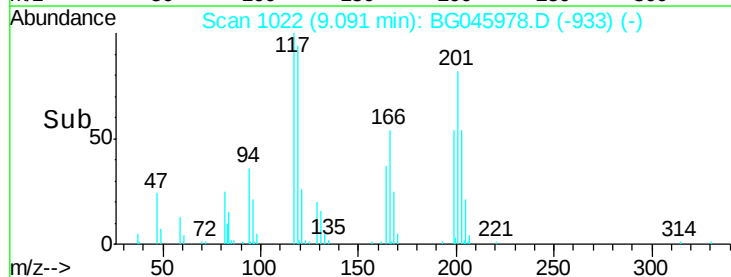
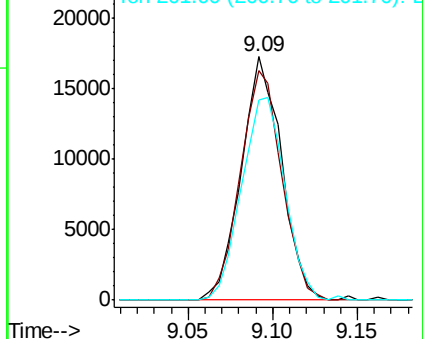


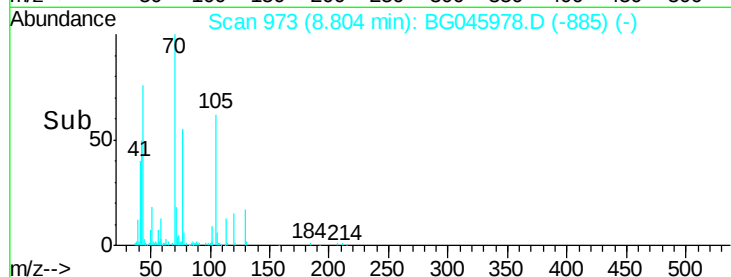
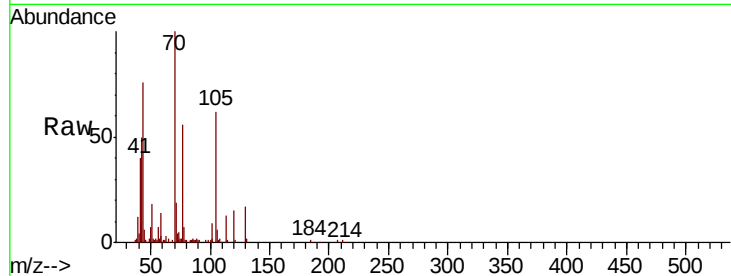
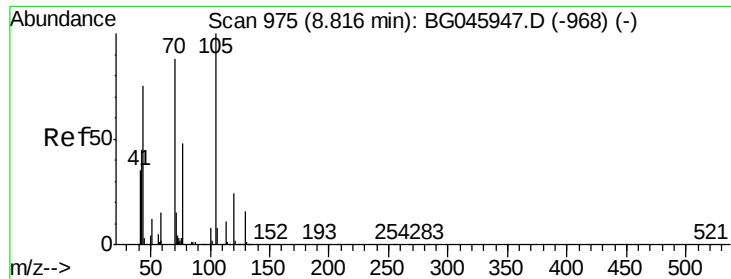
#18
Hexachloroethane
Concen: 7.066 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:	117	Resp:	28672
Ion	Ratio	Lower	Upper
117	100		
119	94.2	79.5	119.3
201	82.2	77.0	115.4



Abundance Ion 117.00 (116.70 to 117.70): E
20000 Ion 119.00 (118.70 to 119.70): E
15000 Ion 201.00 (200.70 to 201.70): E
10000
5000
0

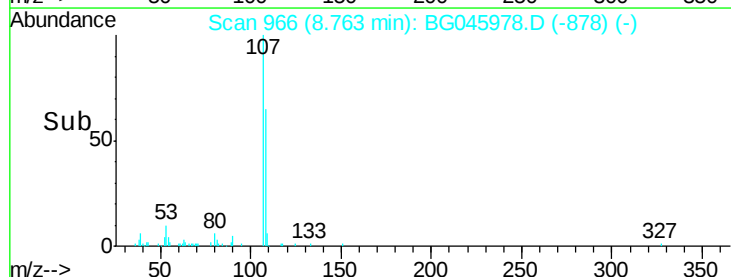
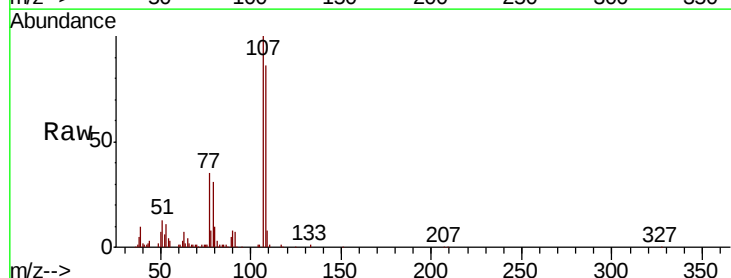
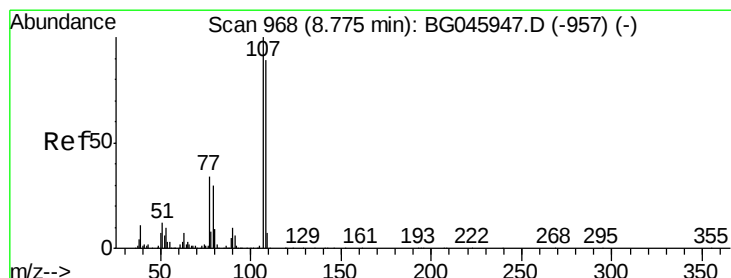
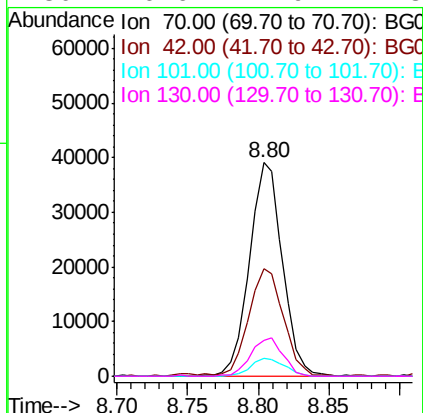




#19
n-Nitroso-di-n-propylamine
Concen: 7.330 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

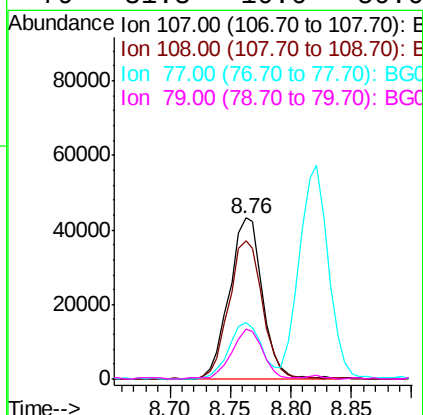
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

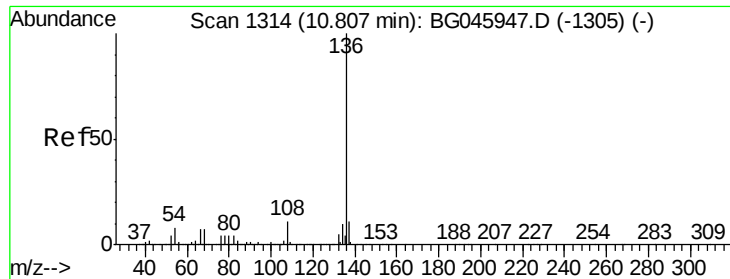
Tot Ion:	70	Resp:	64054
Ion	Ratio	Lower	Upper
70	100		
42	50.4	41.4	62.0
101	8.5	7.1	10.7
130	16.6	14.9	22.3



#20
3+4-Methylphenols
Concen: 6.471 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:	107	Resp:	82574
Ion	Ratio	Lower	Upper
107	100		
108	85.7	68.7	108.7
77	35.3	14.6	54.6
79	31.3	10.6	50.6

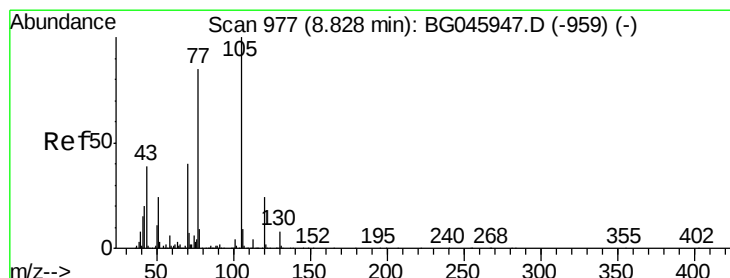
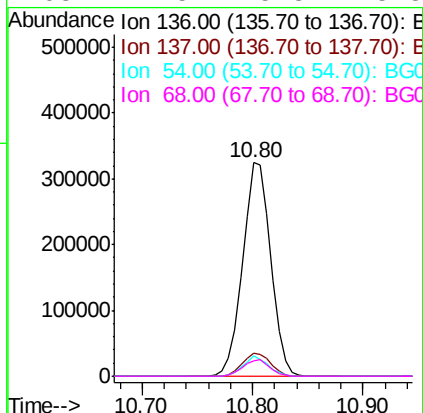
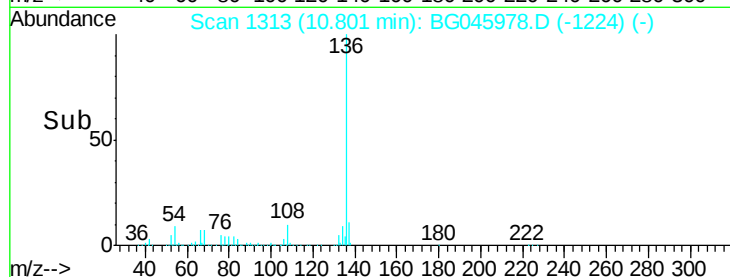
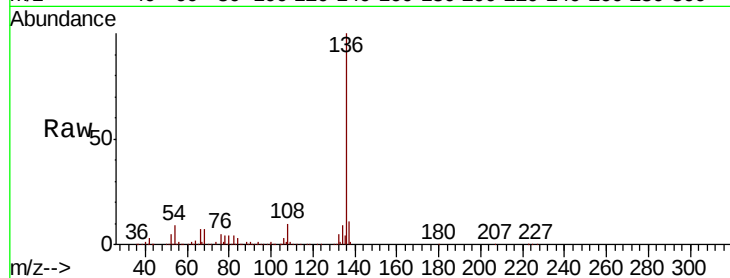




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

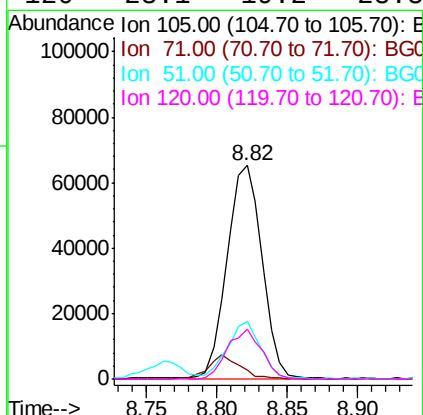
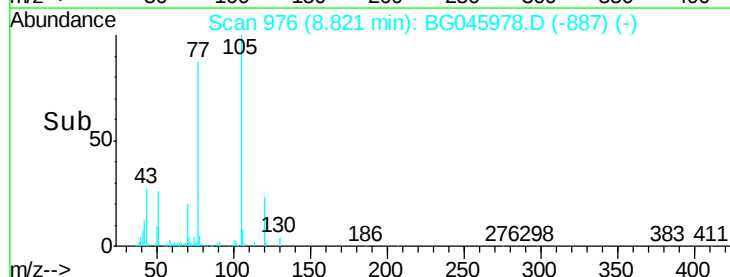
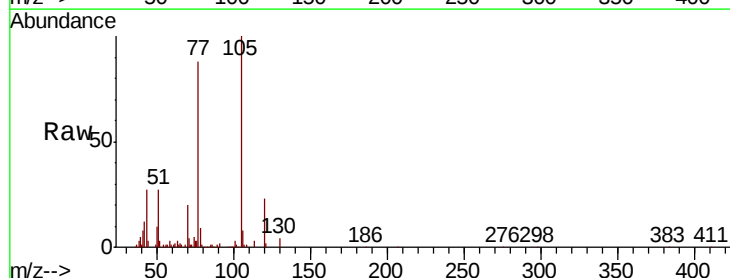
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

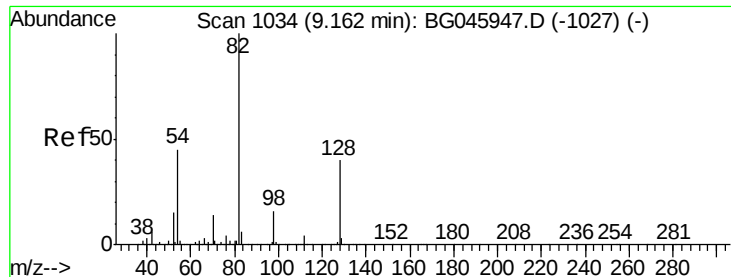
Tot Ion:136	Resp: 577257
Ion Ratio	Lower Upper
136 100	
137 10.9	9.2 13.8
54 9.4	6.2 9.4#
68 7.5	5.8 8.8



#22
Acetophenone
Concen: 7.326 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt	Ion:105	Resp:	112984
Ion	Ratio	Lower	Upper
105	100		
71	4.1	6.2	9.2#
51	26.7	19.7	29.5
120	23.1	19.2	28.8

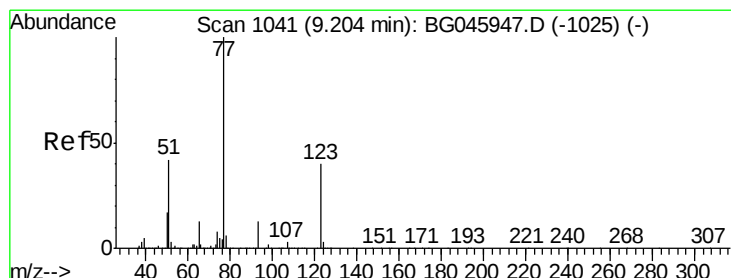
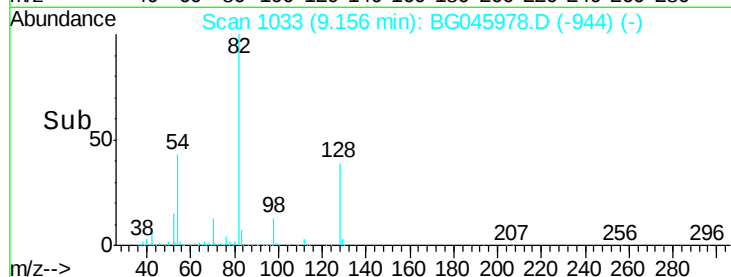
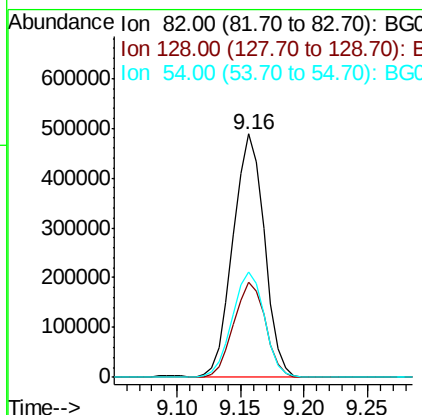
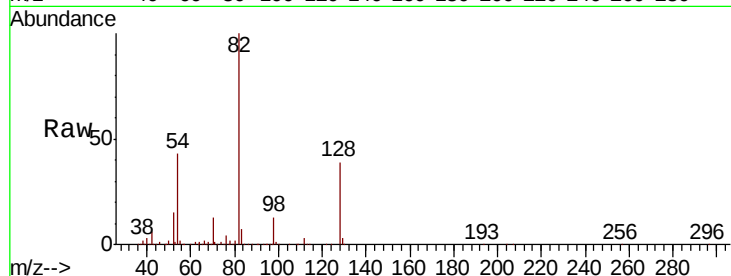




#23
Nitrobenzene-d5
Concen: 83.656 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

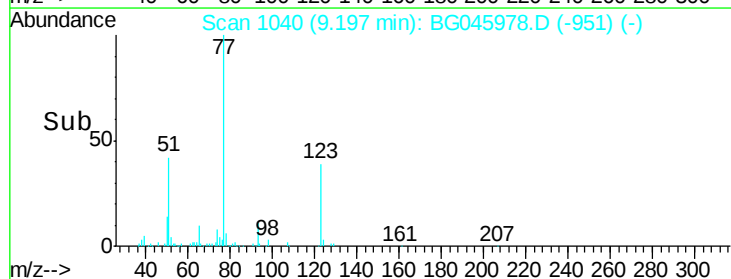
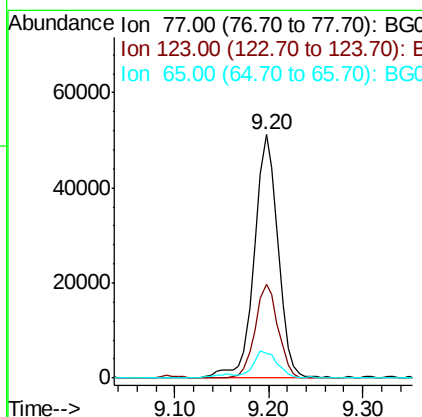
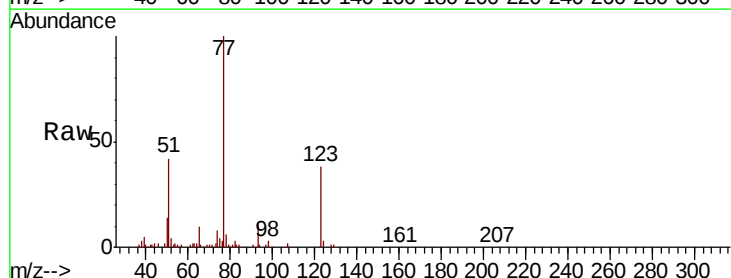
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

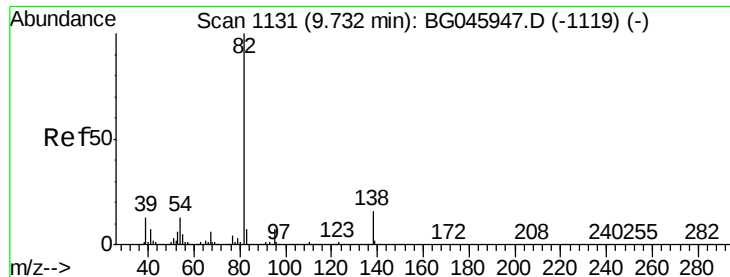
Tot Ion	82	Resp	838999
Ion Ratio	Lower	Upper	
82	100		
128	39.3	32.2	48.4
54	43.2	35.8	53.6



#24
Nitrobenzene
Concen: 8.119 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	77	Resp	89873
Ion Ratio	Lower	Upper	
77	100		
123	38.5	32.7	49.1
65	10.2	10.2	15.4#





#25

Isophorone

Concen: 6.746 ng

RT: 9.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

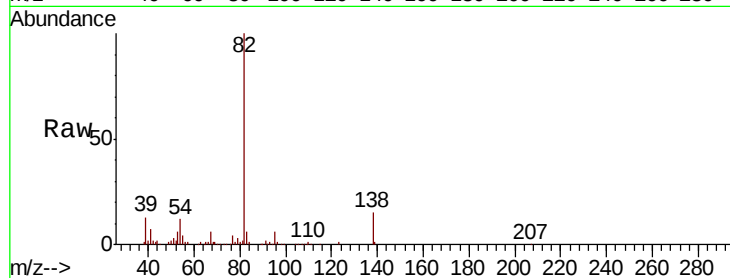
Tot Ion: 82 Resp: 165157

Ion Ratio Lower Upper

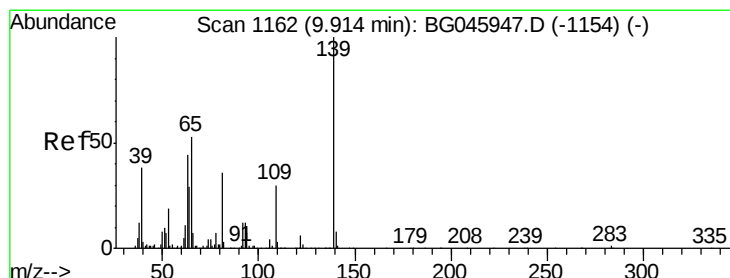
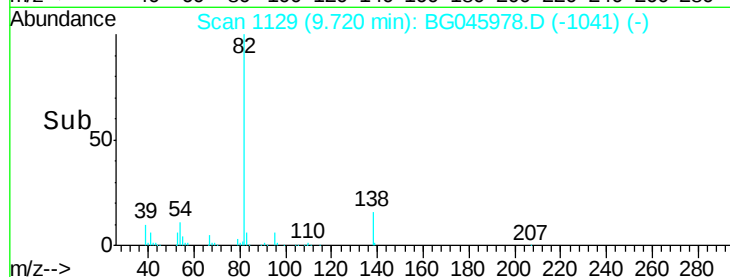
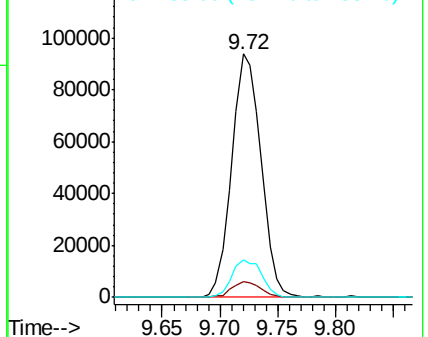
82 100

95 6.5 5.8 8.6

138 15.4 12.9 19.3



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



#26

2-Nitrophenol

Concen: 7.330 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

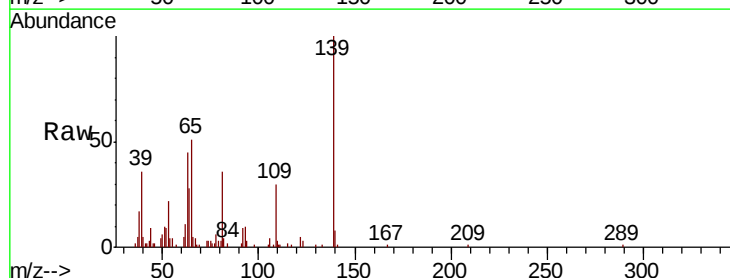
Tgt Ion: 139 Resp: 26446

Ion Ratio Lower Upper

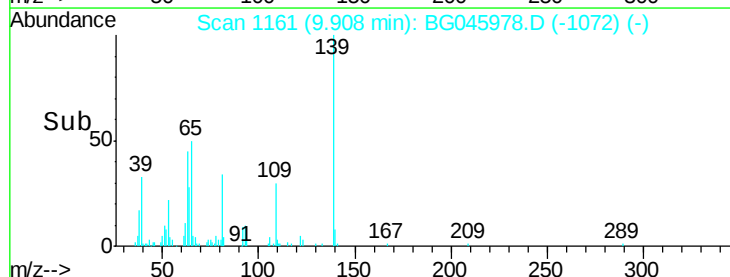
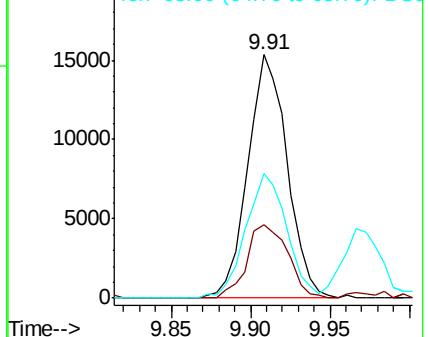
139 100

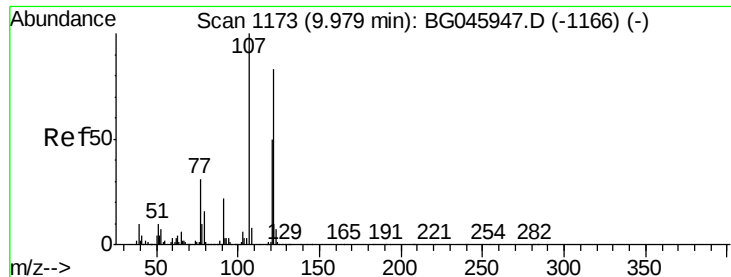
109 30.3 24.6 37.0

65 51.1 42.6 64.0



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





#27

2,4-Dimethylphenol

Concen: 7.232 ng

RT: 9.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

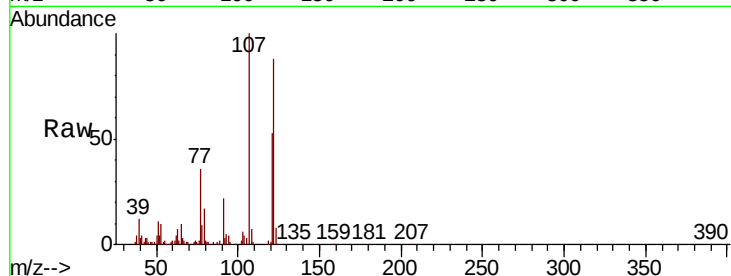
Tot Ion:122 Resp: 63021

Ion Ratio Lower Upper

122 100

107 114.2 95.6 143.4

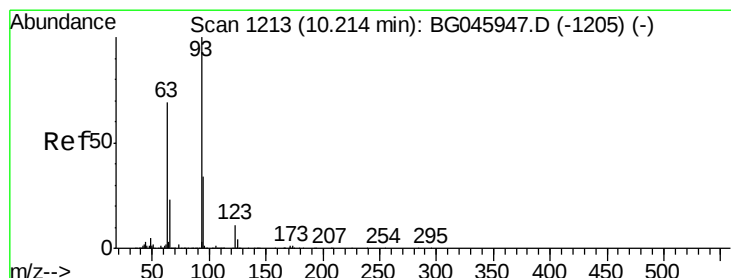
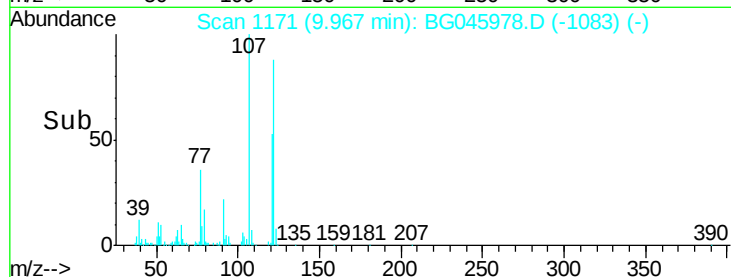
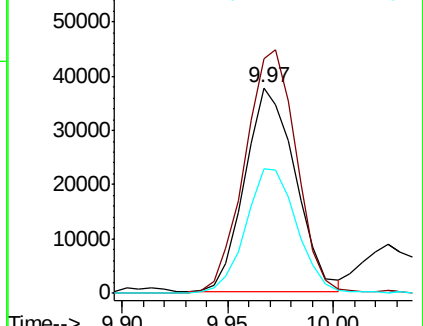
121 60.5 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.147 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

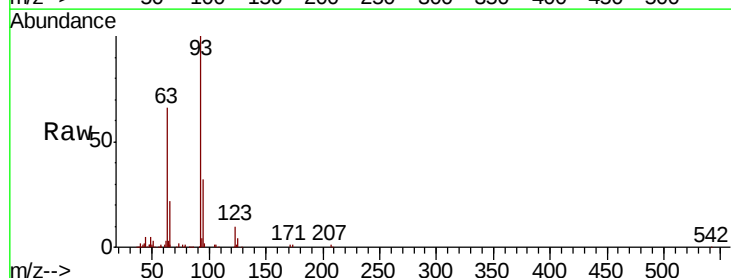
Tgt Ion: 93 Resp: 98265

Ion Ratio Lower Upper

93 100

95 32.1 27.5 41.3

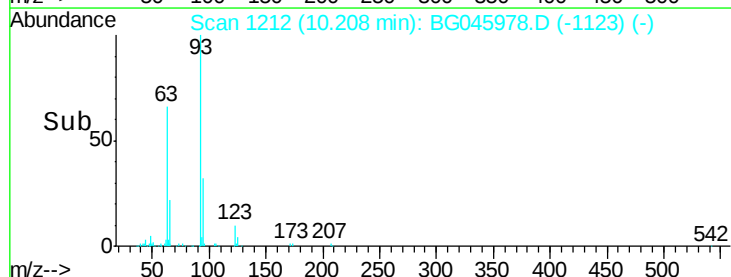
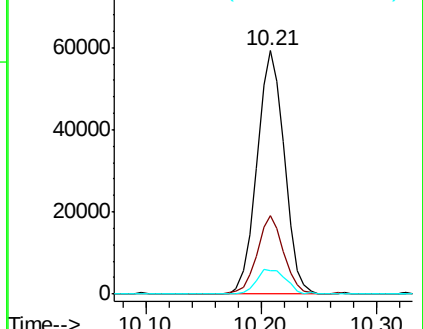
123 9.9 9.2 13.8

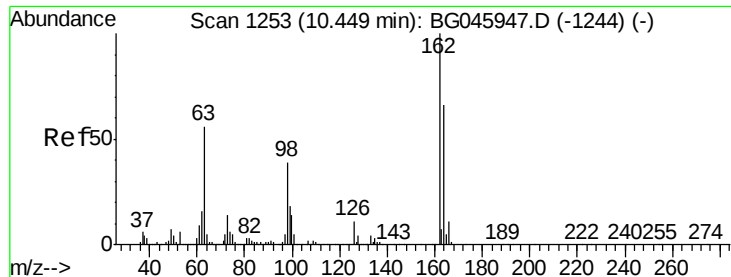


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

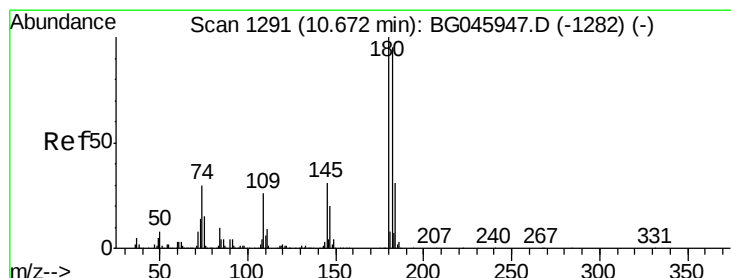
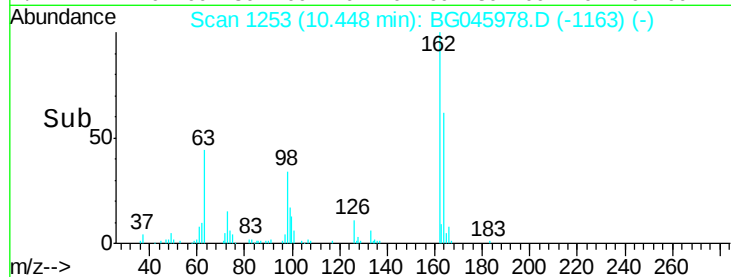
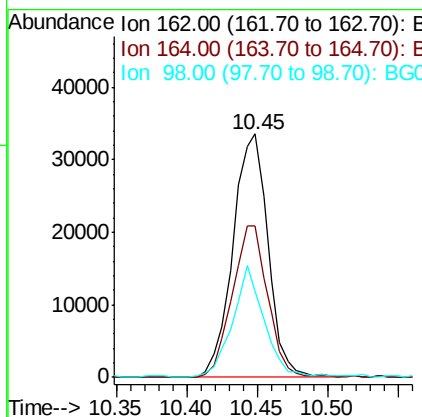
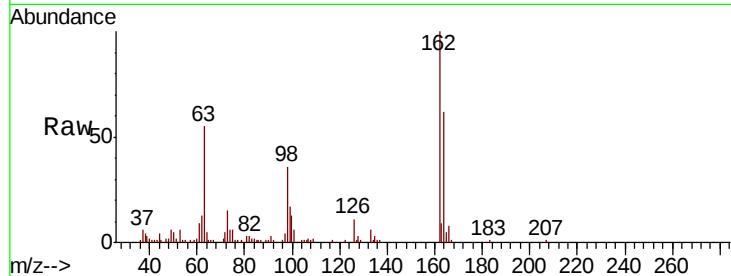




#29
 2,4-Dichlorophenol
 Concen: 6.452 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

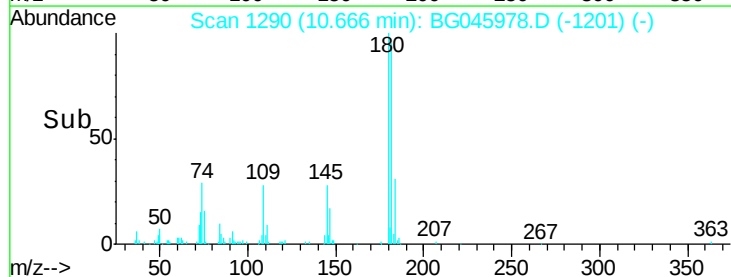
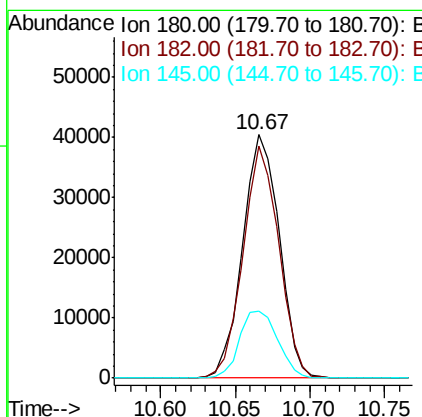
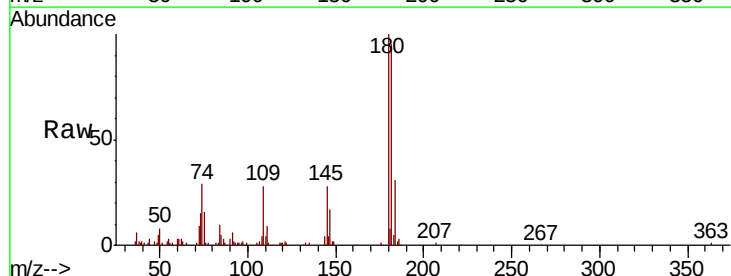
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

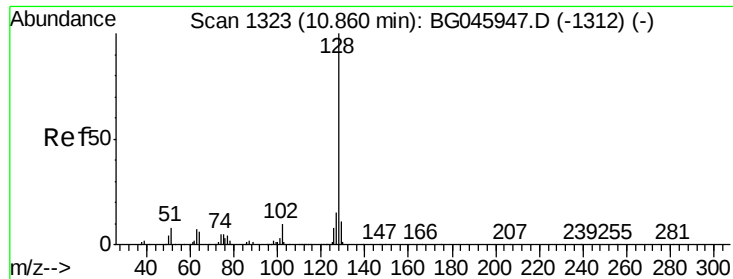
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.2	46.0	86.0
98	35.6	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 6.878 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.3	114.5
145	27.7	24.8	37.2

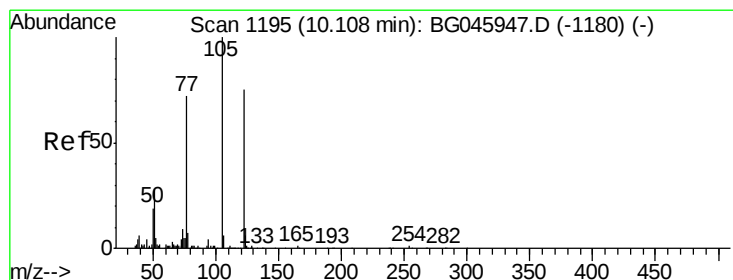
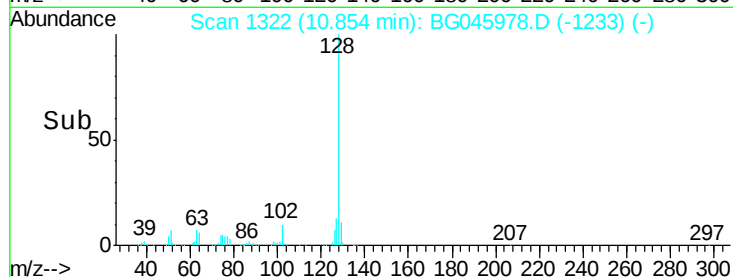
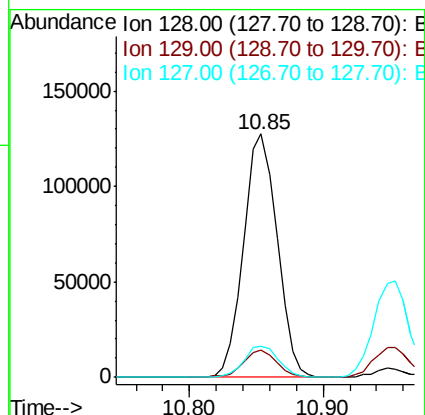
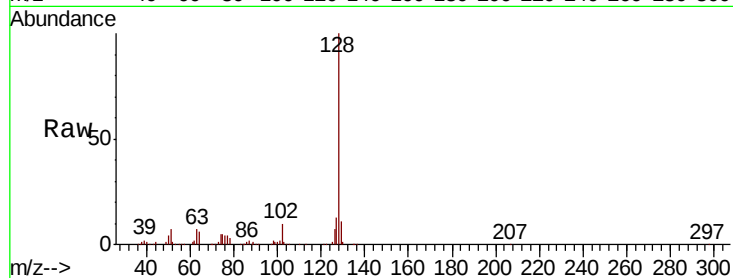




#31
Naphthalene
Concen: 7.166 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

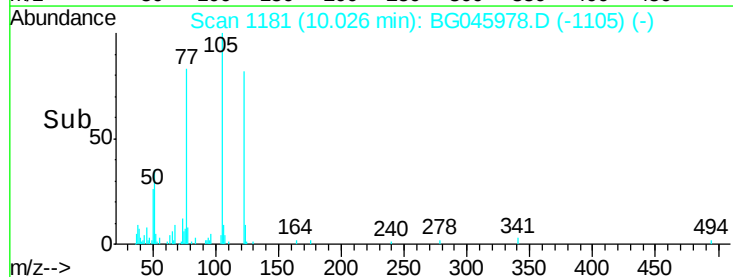
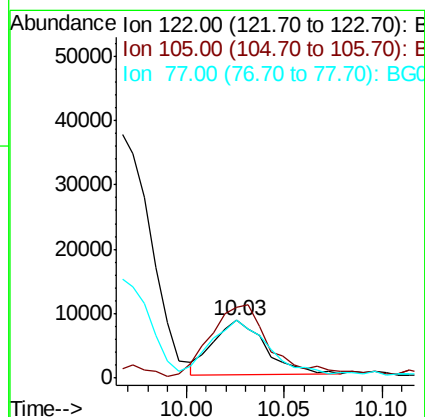
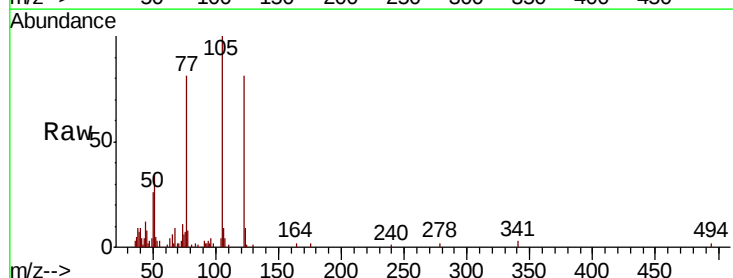
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

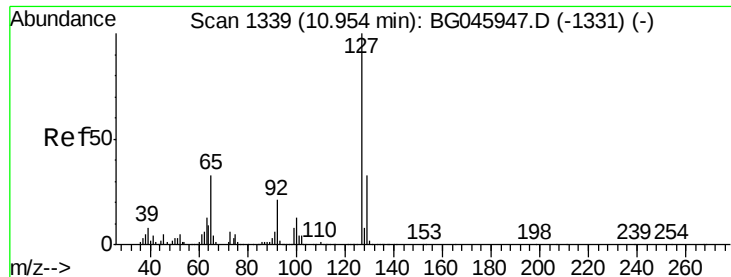
Tot Ion:128 Resp: 221749
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.0 11.8 17.6



#32
Benzoic acid
Concen: 3.274 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.08 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:122 Resp: 15448
Ion Ratio Lower Upper
122 100
105 123.8 110.8 150.8
77 100.5 76.4 116.4

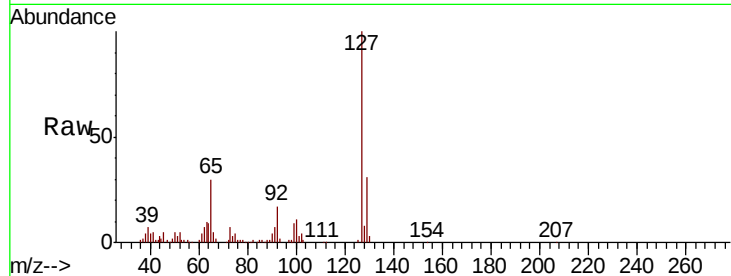




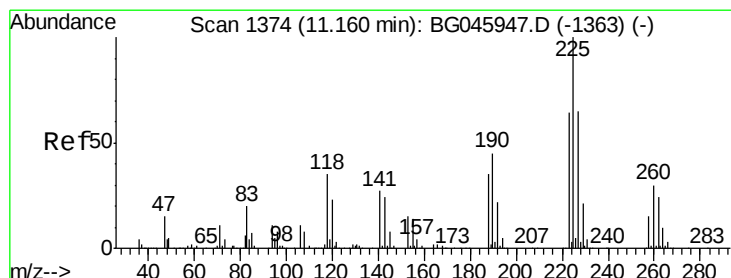
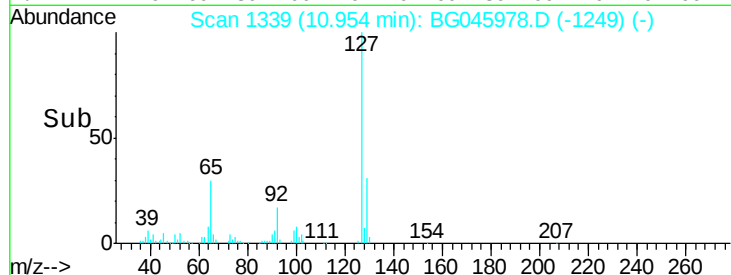
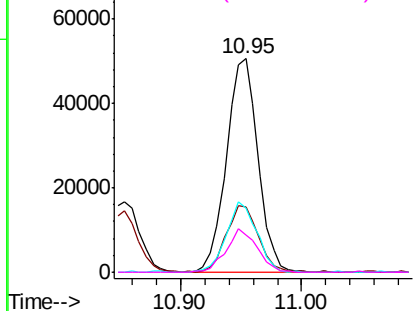
#33
4-Chloroaniline
Concen: 6.642 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:127	Resp:	91852
Ion Ratio	Lower	Upper
127	100	
129	30.7	26.6 39.8
65	29.8	26.8 40.2
92	17.4	17.0 25.4

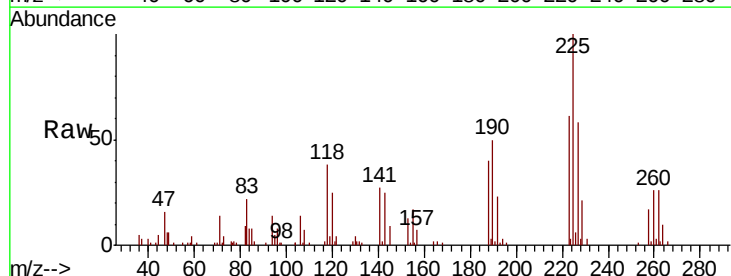


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

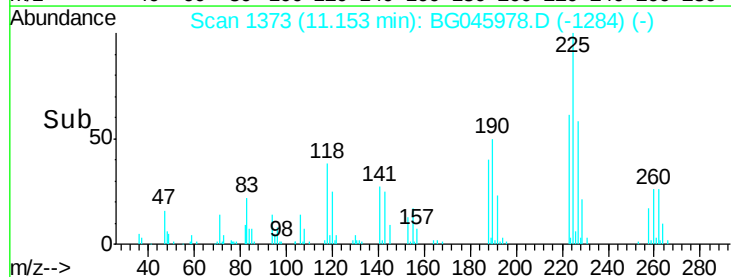
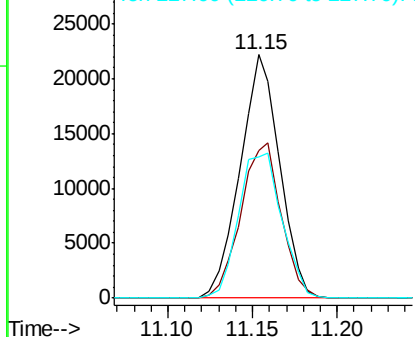


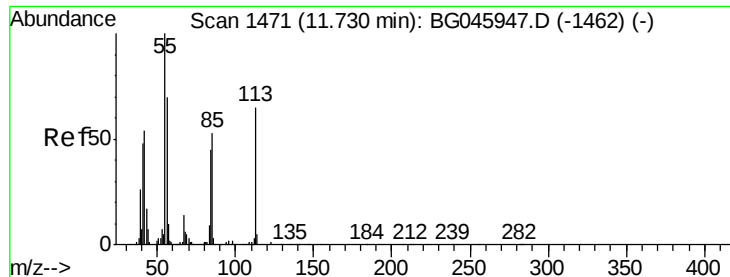
#34
Hexachlorobutadiene
Concen: 6.191 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:225	Resp:	36132
Ion Ratio	Lower	Upper
225	100	
223	60.7	51.2 76.8
227	58.1	52.3 78.5



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: 6.572 ng

RT: 11.68 min Scan# 1463

Delta R.T. -0.05 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

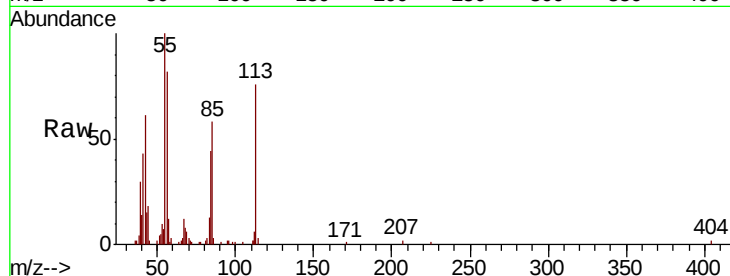
Tot Ion:113 Resp: 22509

Ion Ratio Lower Upper

113 100

55 131.6 141.6 181.6#

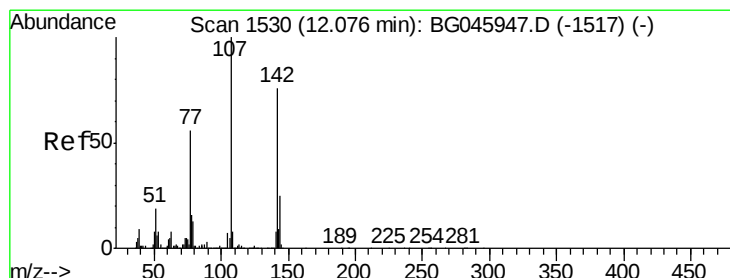
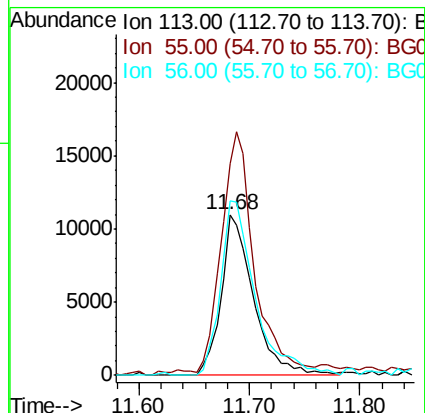
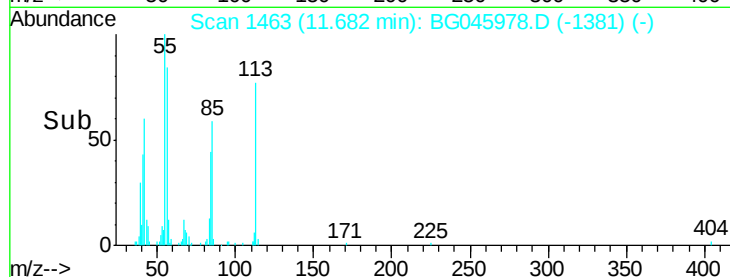
56 108.5 89.6 129.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 6.564 ng

RT: 12.07 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

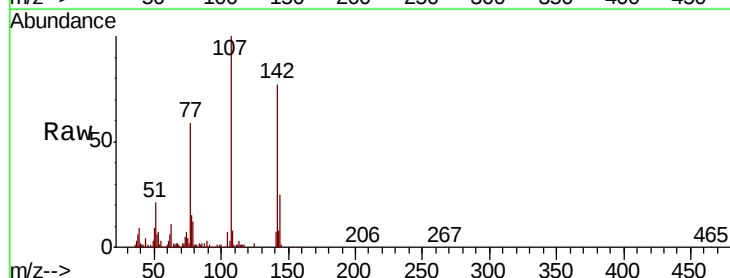
Tgt Ion:107 Resp: 67449

Ion Ratio Lower Upper

107 100

144 25.4 20.0 30.0

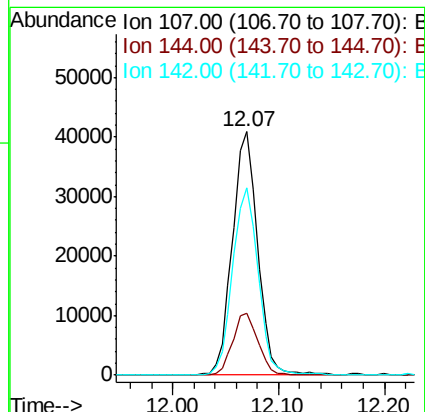
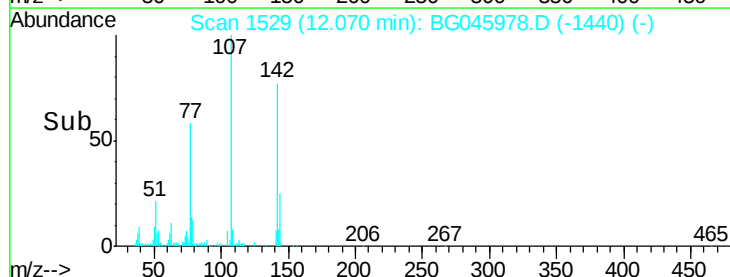
142 76.9 61.1 91.7

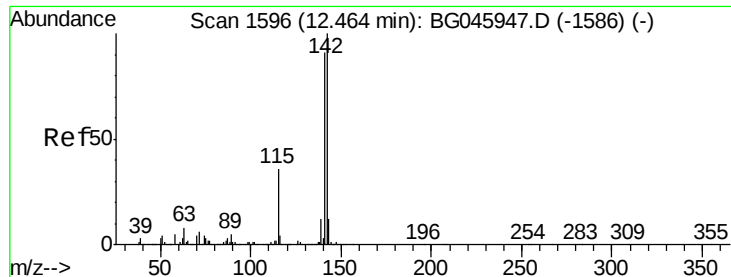


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

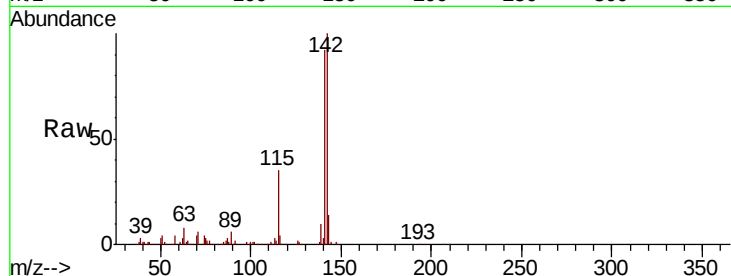




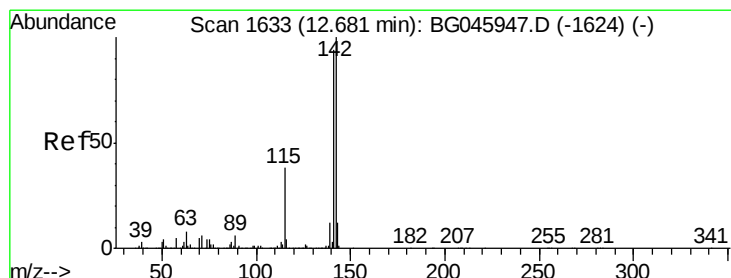
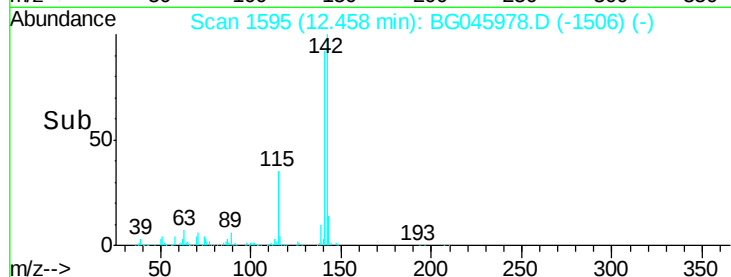
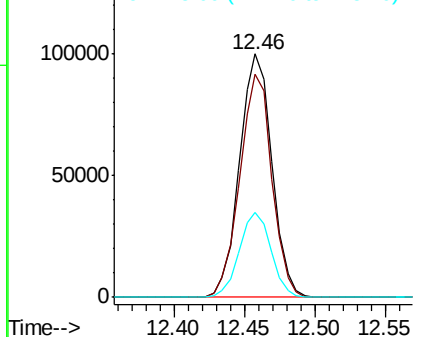
#37
2-Methylnaphthalene
Concen: 7.279 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.0	109.6
115	35.0	28.8	43.2

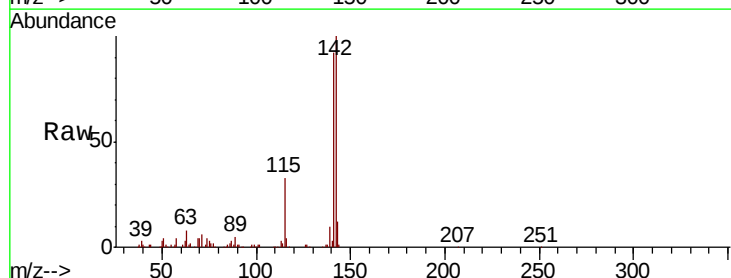


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

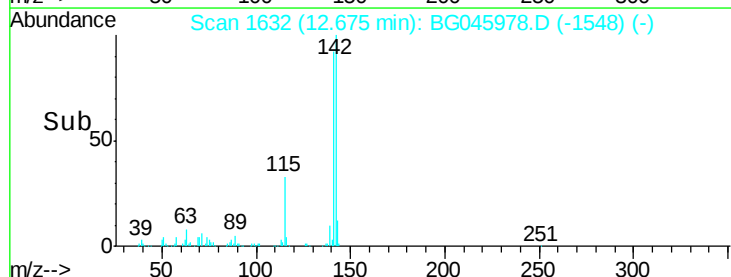
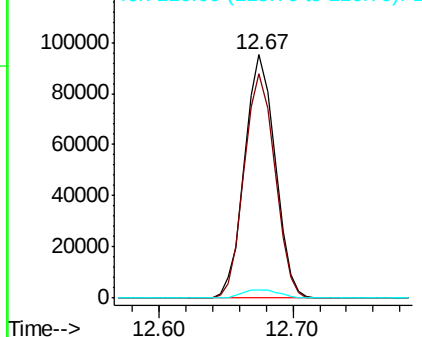


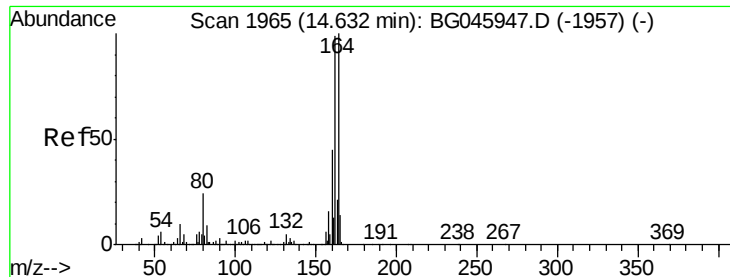
#38
1-Methylnaphthalene
Concen: 7.256 ng
RT: 12.67 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	75.2	112.8
116	3.6	3.1	4.7



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: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

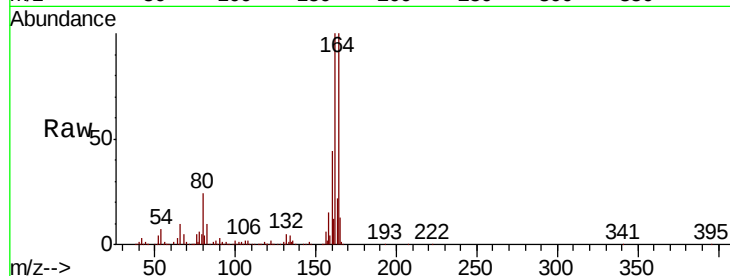
Tot Ion:164 Resp: 345464

Ion Ratio Lower Upper

164 100

162 100.2 79.3 118.9

160 44.5 35.7 53.5

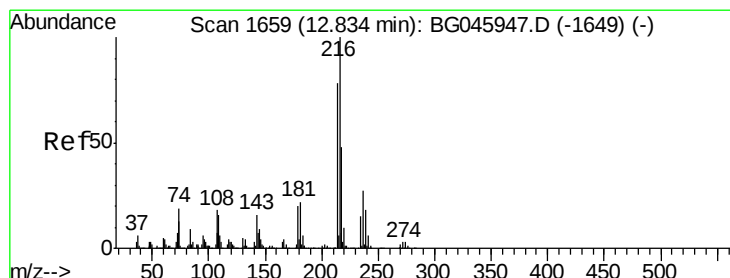
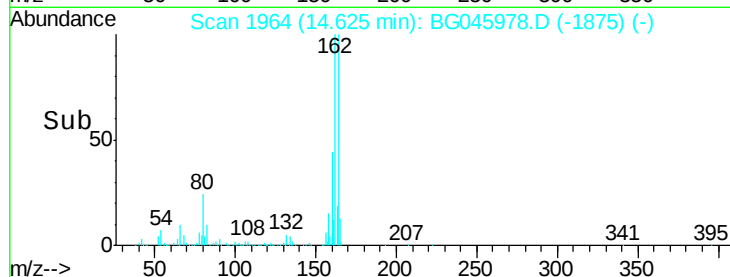
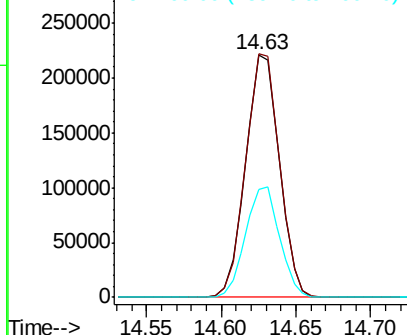


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.278 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:216 Resp: 70873

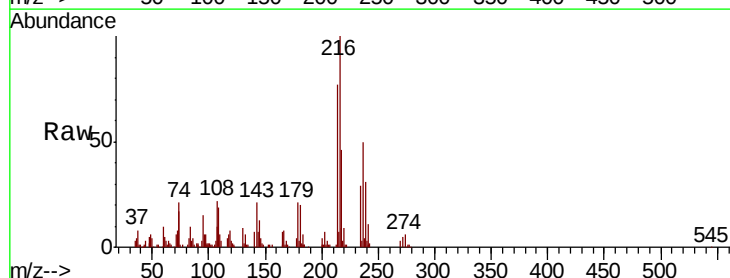
Ion Ratio Lower Upper

216 100

214 80.3 63.0 94.4

179 21.6 17.0 25.6

108 21.8 17.3 25.9



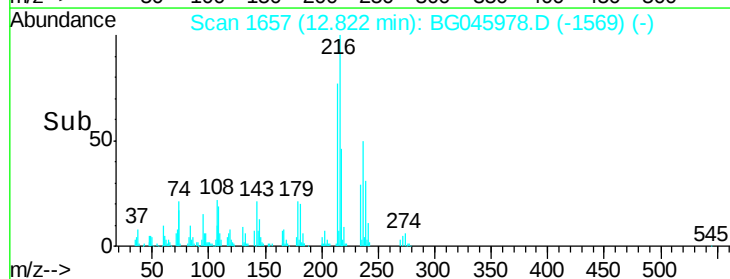
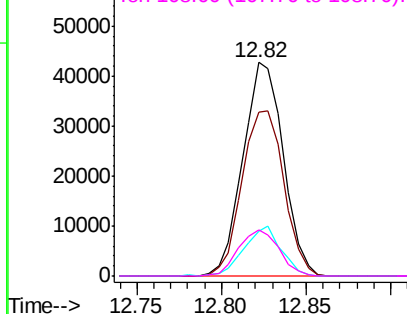
Abundance

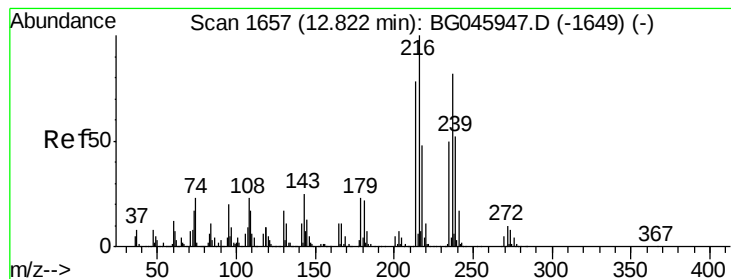
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 6.872 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

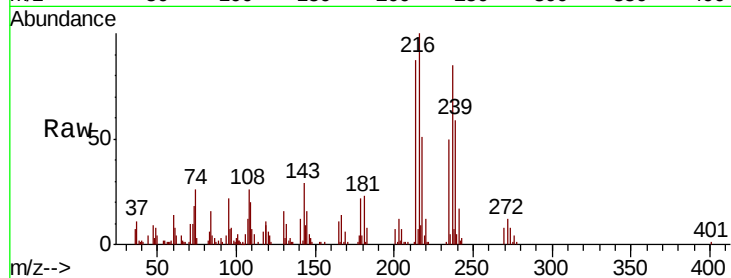
Tot Ion:237 Resp: 39712

Ion Ratio Lower Upper

237 100

235 58.9 41.5 81.5

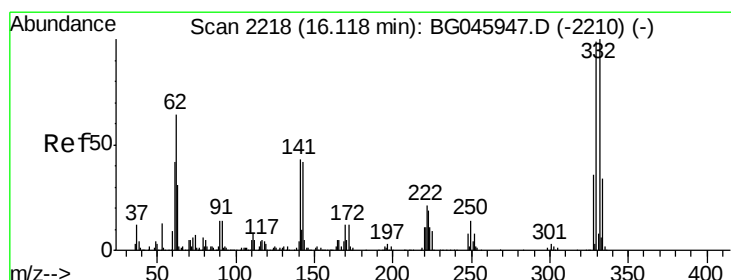
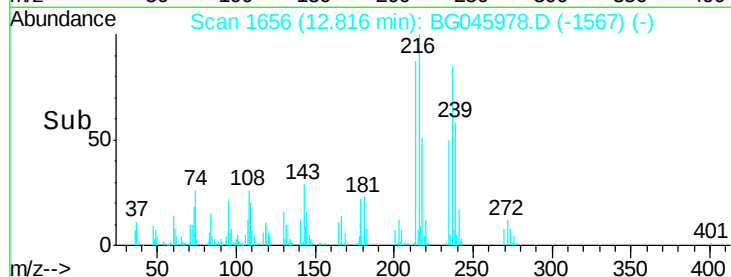
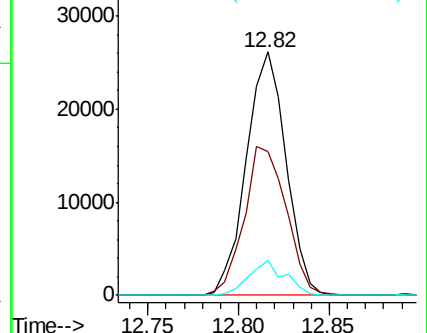
272 14.1 0.0 31.7



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: 94.288 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

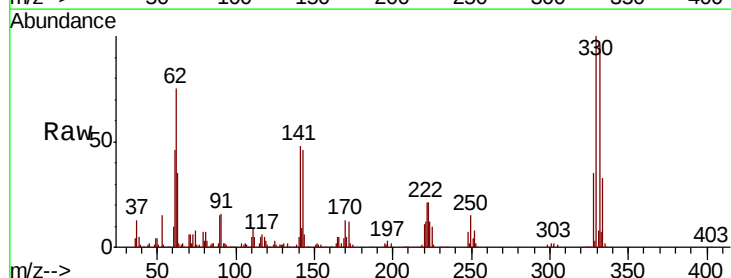
Tgt Ion:330 Resp: 302313

Ion Ratio Lower Upper

330 100

332 96.3 78.3 117.5

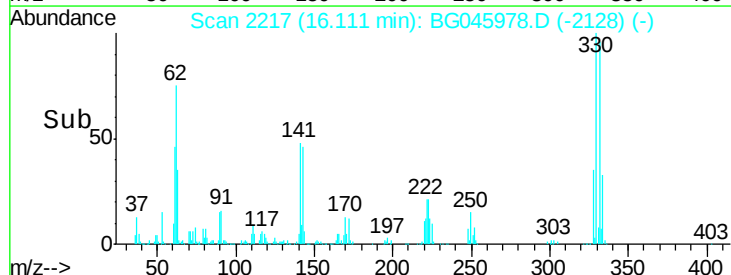
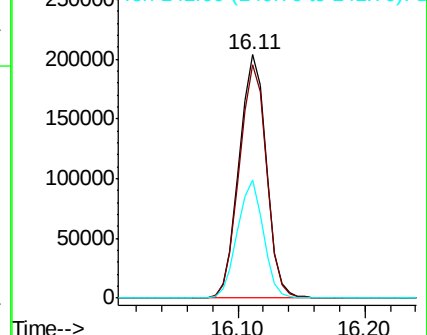
141 46.3 36.6 54.8

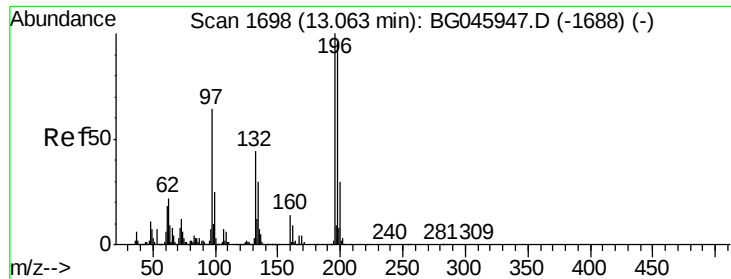


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

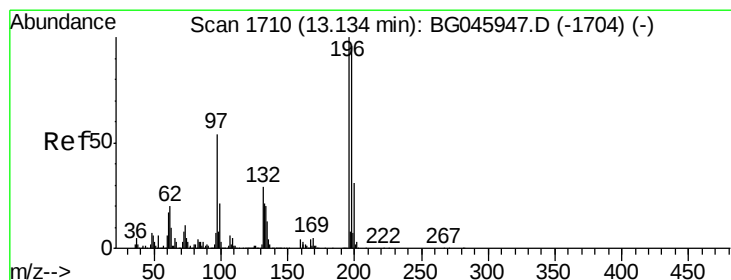
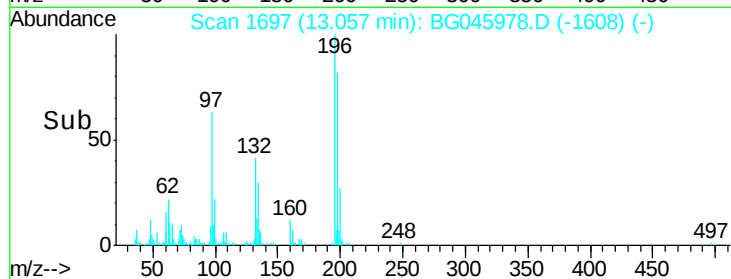
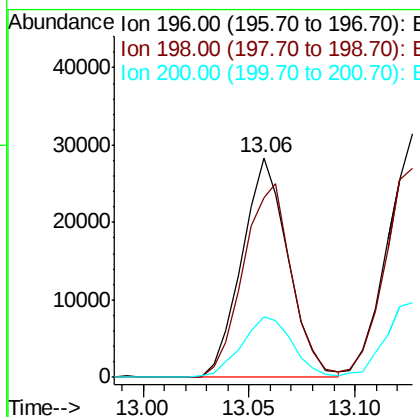
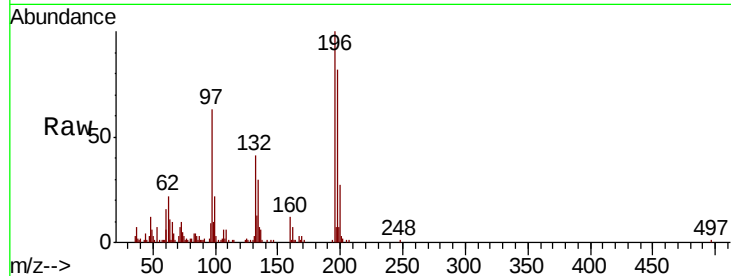




#43
 2,4,6-Trichlorophenol
 Concen: 6.573 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

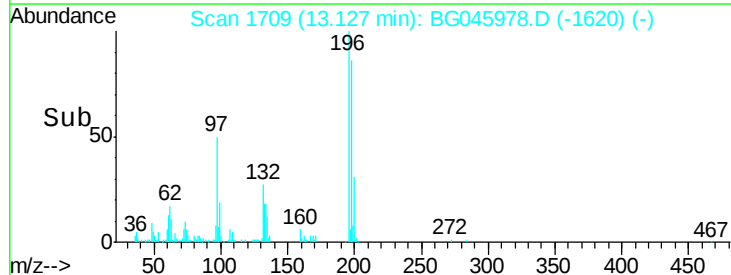
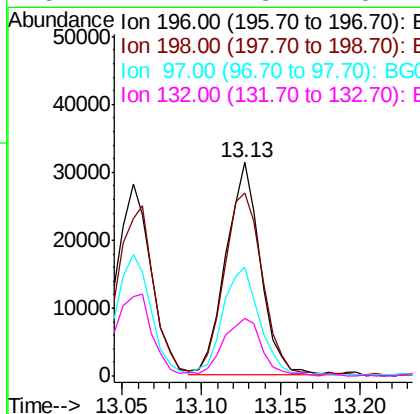
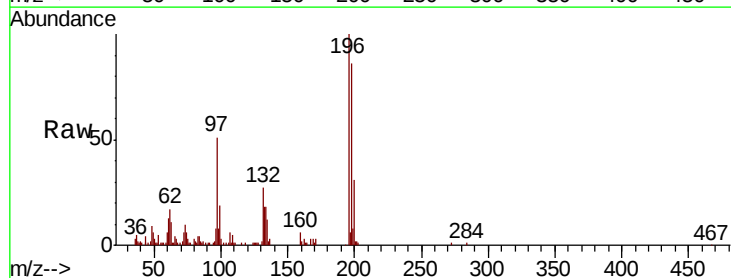
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

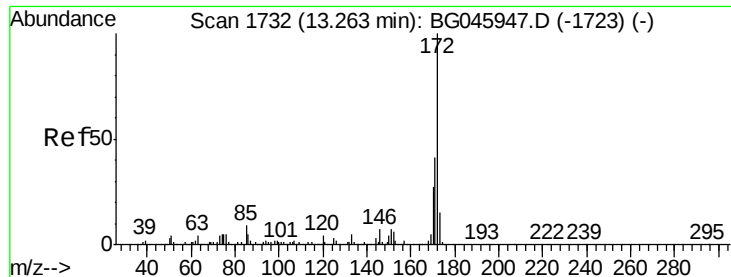
Tot Ion:196 Resp: 43290
 Ion Ratio Lower Upper
 196 100
 198 81.7 76.7 115.1
 200 27.5 24.3 36.5



#44
 2,4,5-Trichlorophenol
 Concen: 6.335 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion:196 Resp: 47177
 Ion Ratio Lower Upper
 196 100
 198 85.8 77.0 115.6
 97 50.7 44.3 66.5
 132 27.1 23.1 34.7

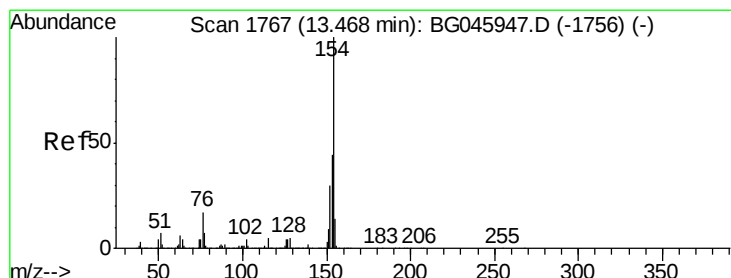
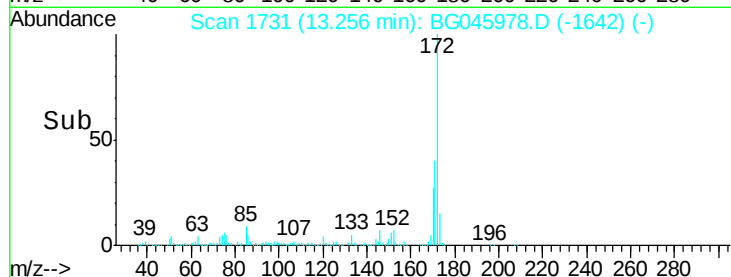
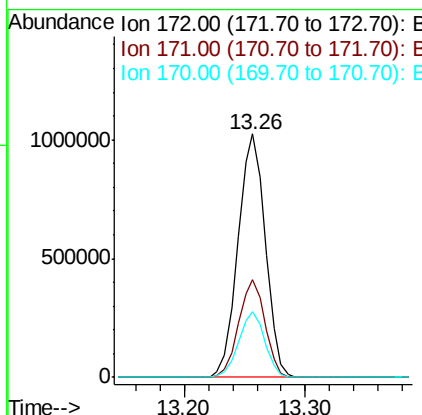
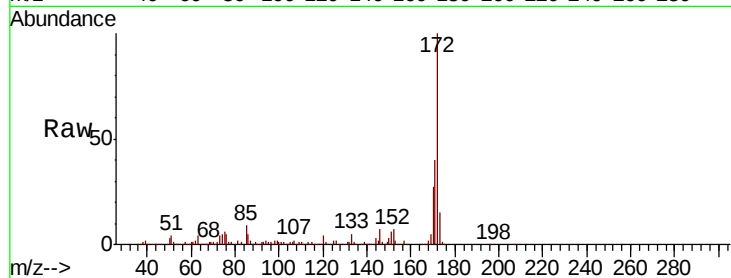




#45
2-Fluorobiphenyl
Concen: 72.833 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

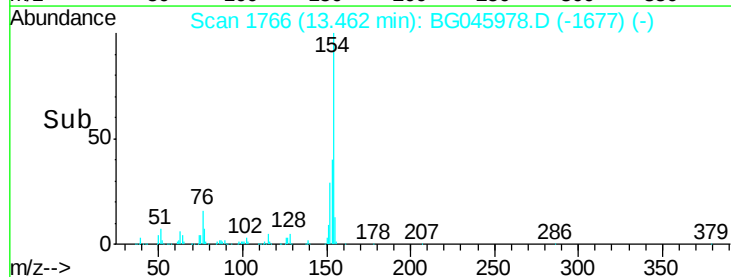
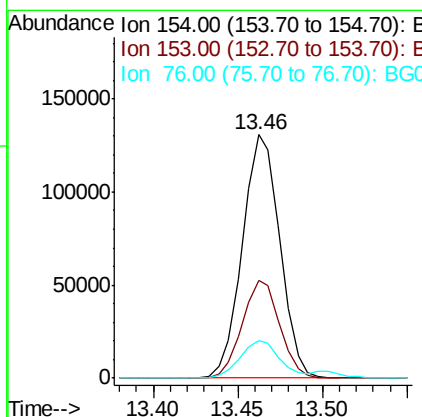
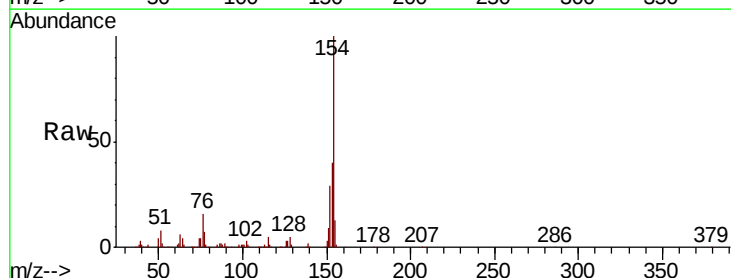
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

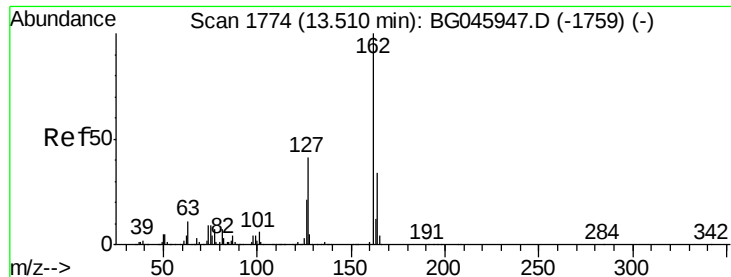
Tot Ion:172 Resp: 1613086
Ion Ratio Lower Upper
172 100
171 40.2 32.9 49.3
170 27.2 21.8 32.6



#46
1,1'-Biphenyl
Concen: 7.755 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:154 Resp: 201530
Ion Ratio Lower Upper
154 100
153 40.2 23.6 63.6
76 15.5 0.0 36.9

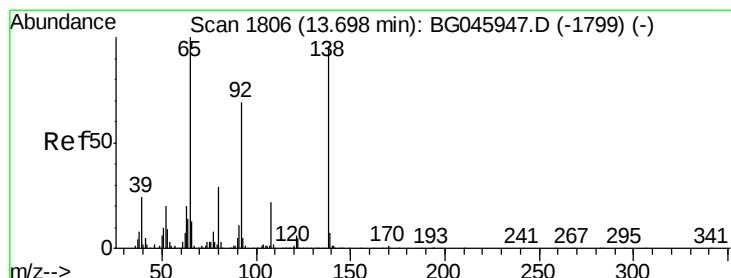
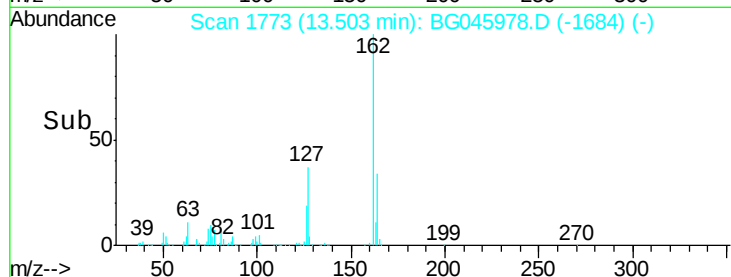
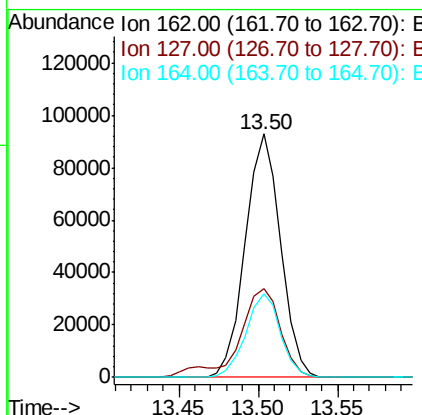
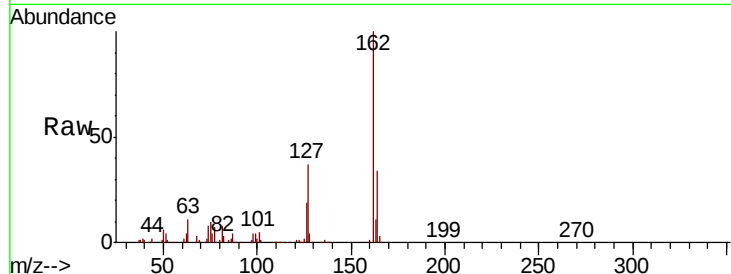




#47
 2-Chloronaphthalene
 Concen: 6.985 ng
 RT: 13.50 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

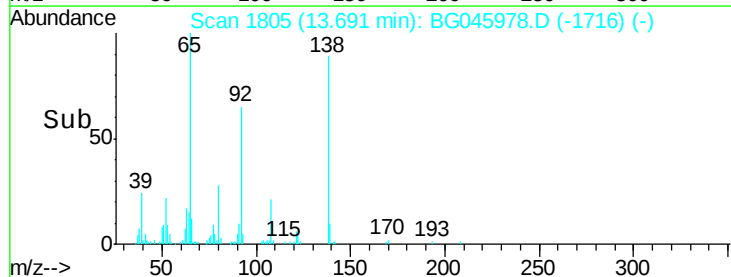
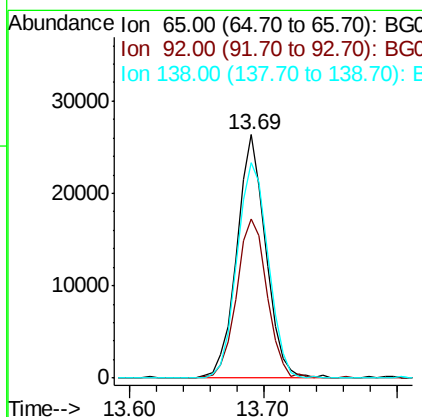
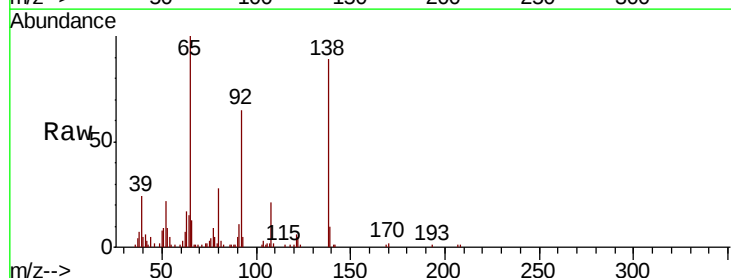
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

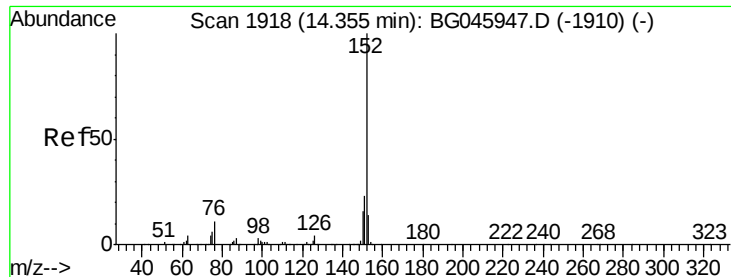
Tot Ion	Ratio	Lower	Upper
162	100		
127	36.5	32.5	48.7
164	34.4	27.2	40.8



#48
 2-Nitroaniline
 Concen: 8.222 ng
 RT: 13.69 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.4	55.4	83.0
138	88.7	77.0	115.4





#49

Acenaphthylene

Concen: 7.425 ng

RT: 14.34 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

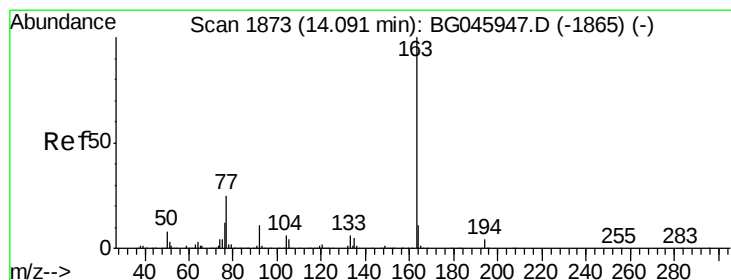
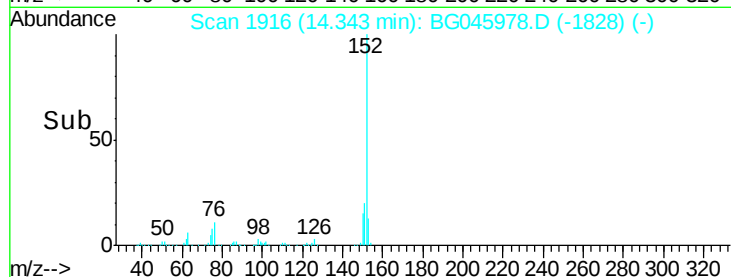
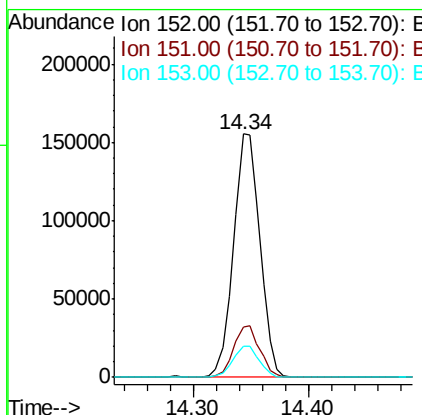
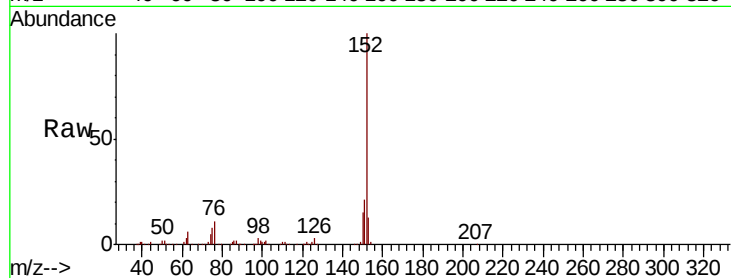
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	245631
Ion	Ratio	Lower	Upper
152	100		
151	20.5	18.1	27.1
153	13.0	11.5	17.3



#50

Dimethylphthalate

Concen: 6.844 ng

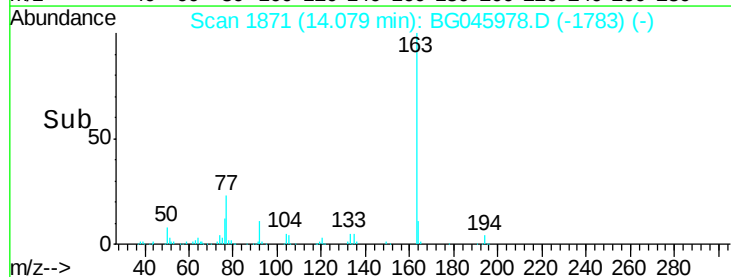
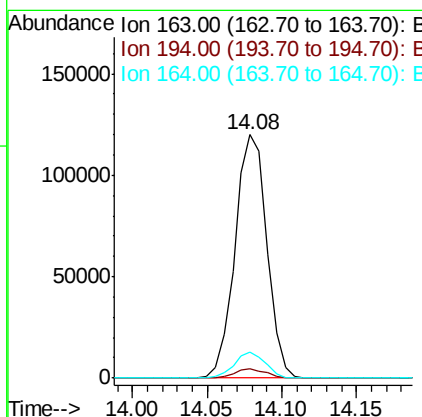
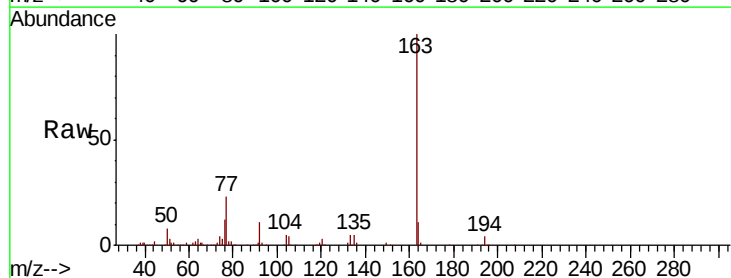
RT: 14.08 min Scan# 1871

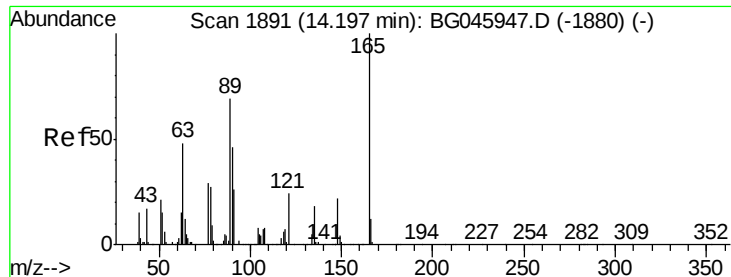
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	163	Resp:	177447
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.6	5.4
164	10.6	8.9	13.3

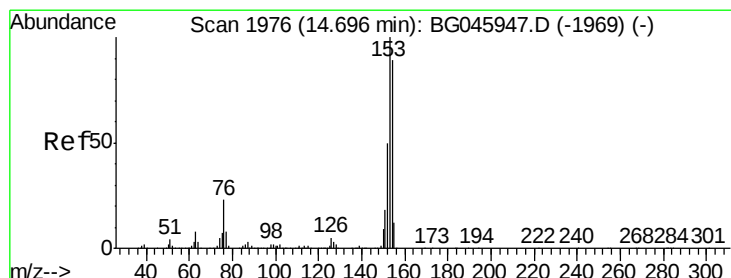
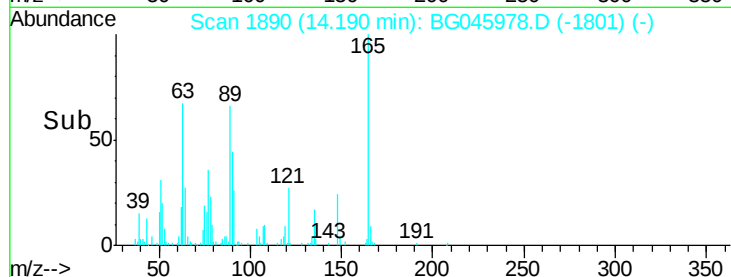
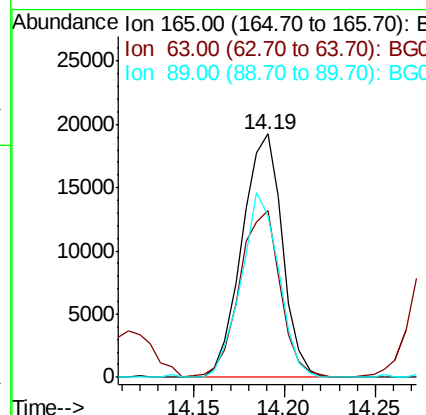
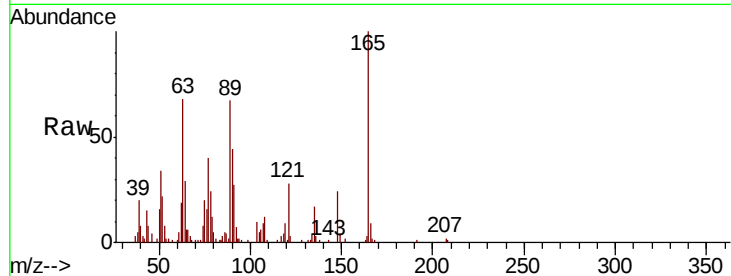




#51
2,6-Dinitrotoluene
Concen: 7.399 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

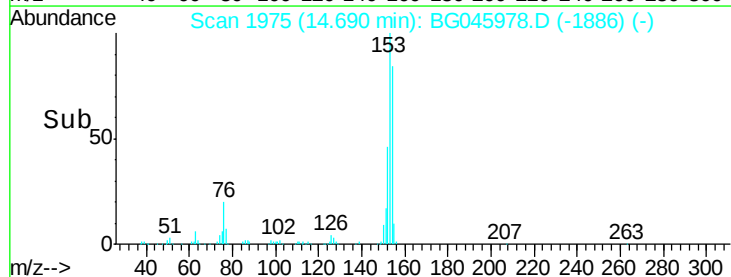
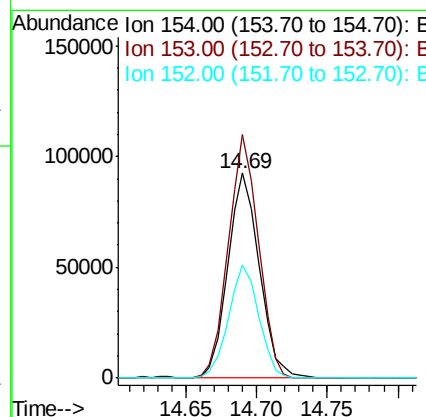
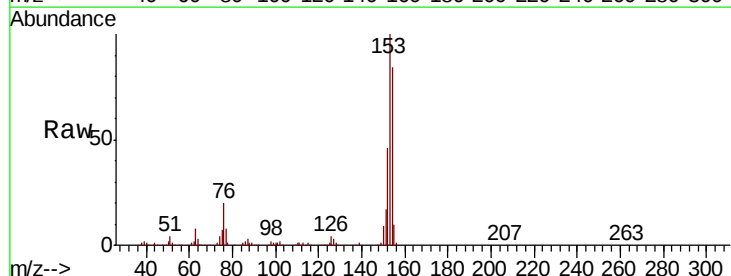
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

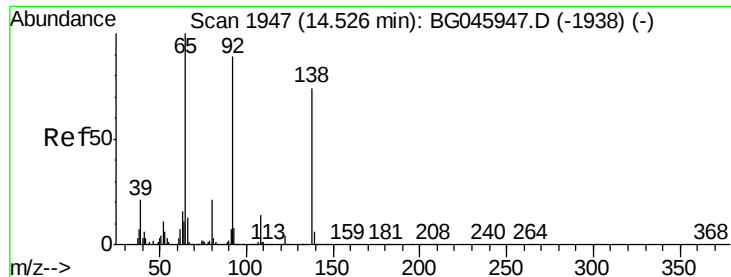
Tot Ion:165 Resp: 29764
Ion Ratio Lower Upper
165 100
63 68.3 51.0 76.4
89 66.7 55.7 83.5



#52
Acenaphthene
Concen: 6.895 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:154 Resp: 143887
Ion Ratio Lower Upper
154 100
153 118.9 89.7 134.5
152 55.2 44.7 67.1

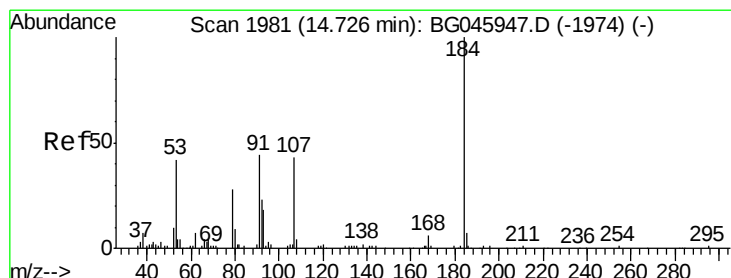
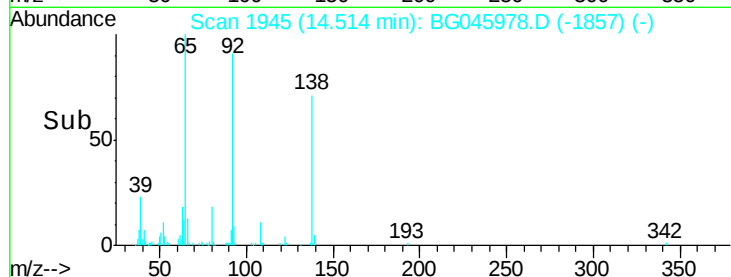
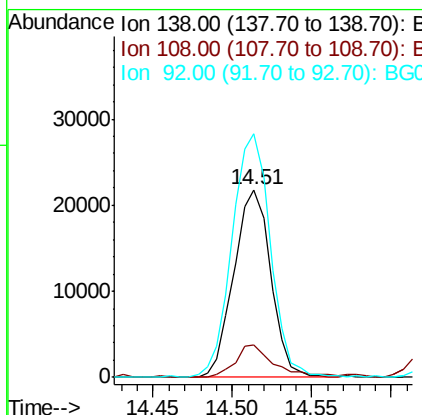
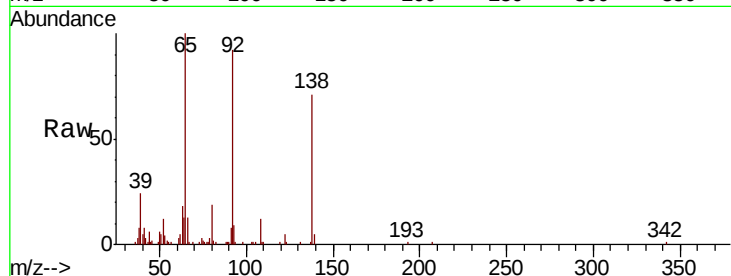




#53
3-Nitroaniline
Concen: 7.040 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

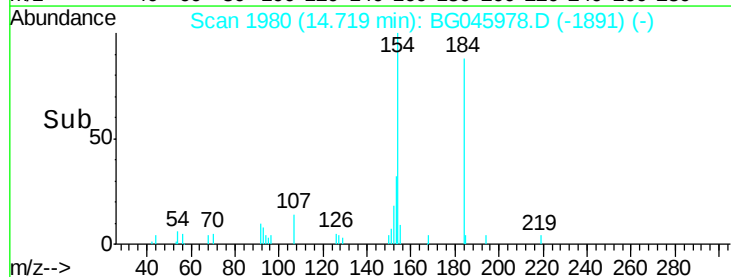
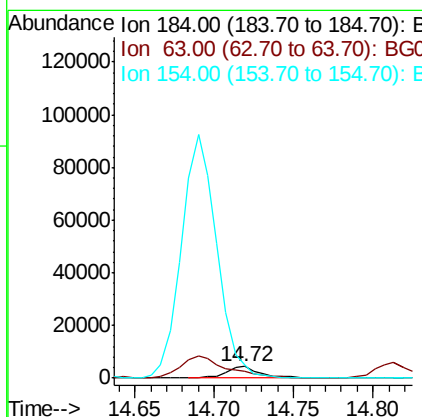
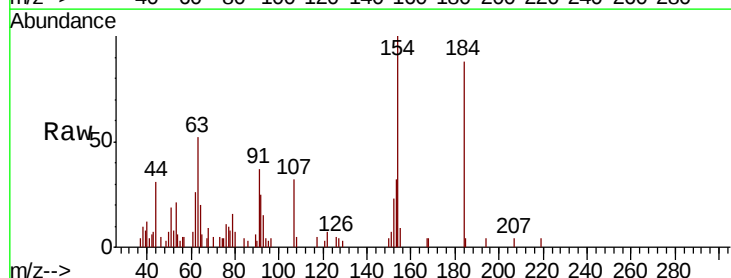
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

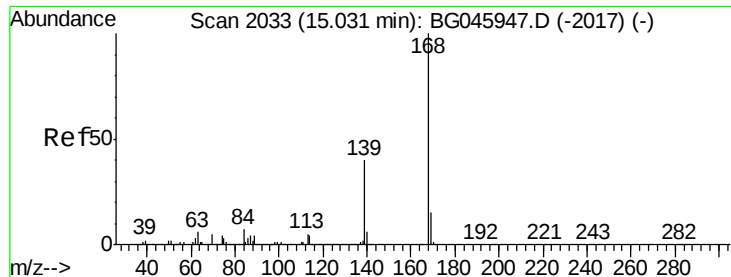
Tot Ion:138 Resp: 35097
Ion Ratio Lower Upper
138 100
108 17.4 15.4 23.2
92 129.8 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 4.832 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:184 Resp: 6857
Ion Ratio Lower Upper
184 100
63 58.8 46.0 69.0
154 114.0 58.2 87.2#

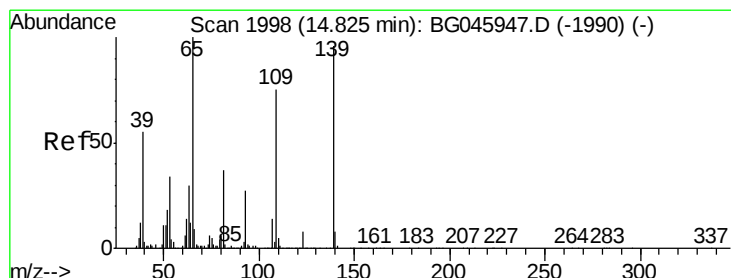
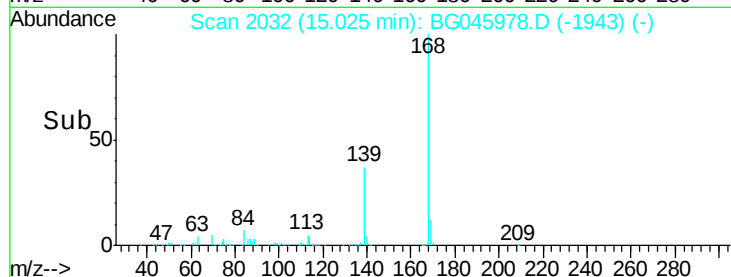
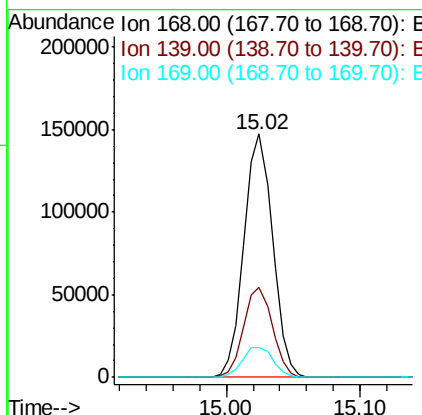
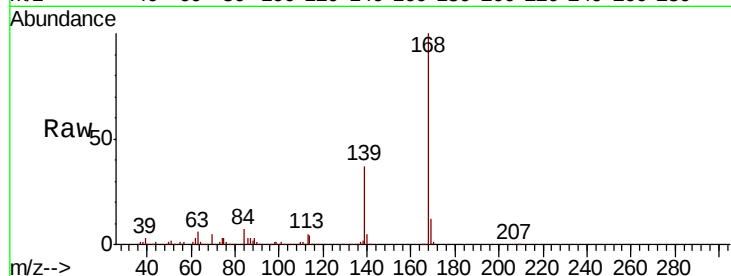




#55
Dibenzofuran
Concen: 7.139 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

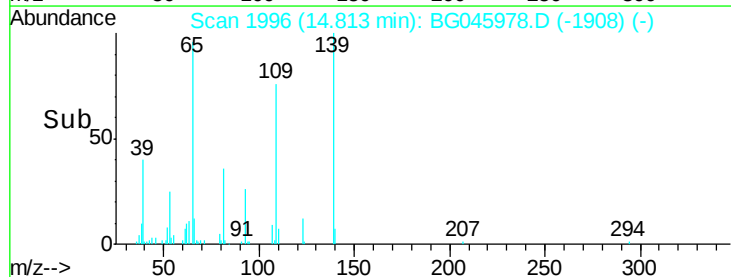
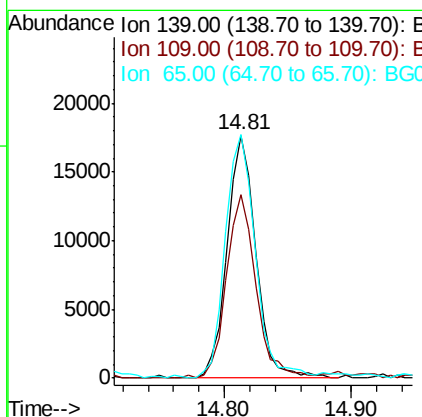
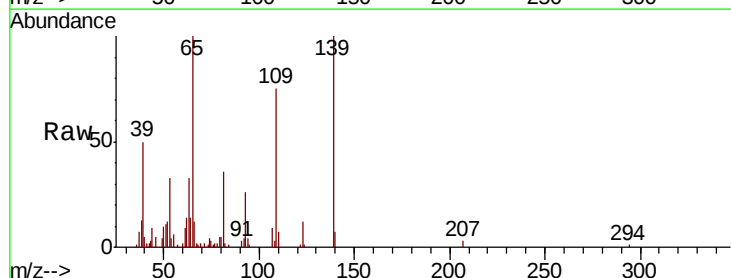
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

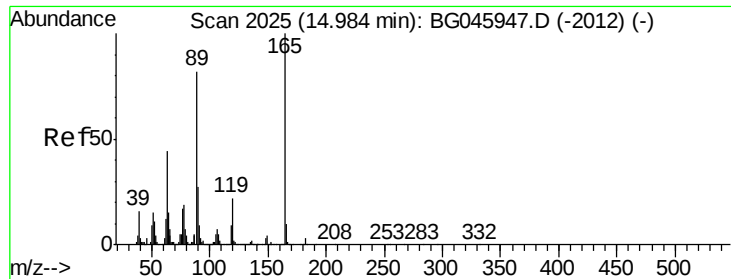
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.2	32.2	48.2
169	12.4	11.8	17.8



#56
4-Nitrophenol
Concen: 6.528 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	75.7	58.5	98.5
65	100.3	84.7	124.7

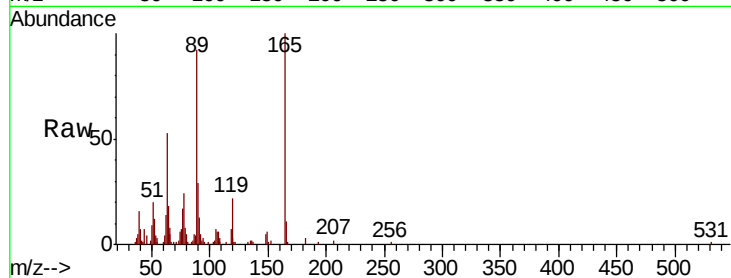




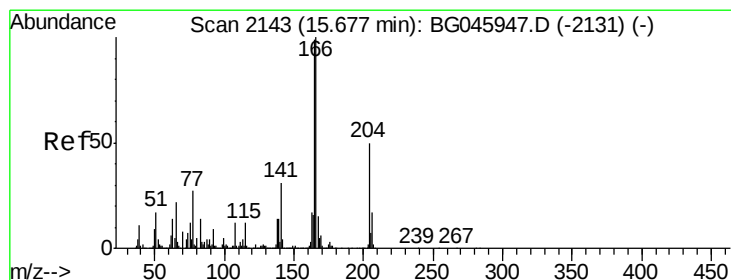
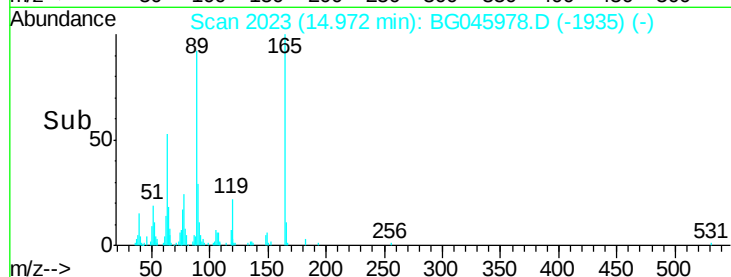
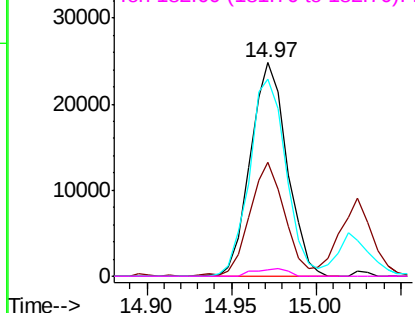
#57
2,4-Dinitrotoluene
Concen: 7.488 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:165 Resp: 37222
Ion Ratio Lower Upper
165 100
63 53.2 35.4 53.0#
89 92.1 65.4 98.2
182 2.8 2.0 3.0

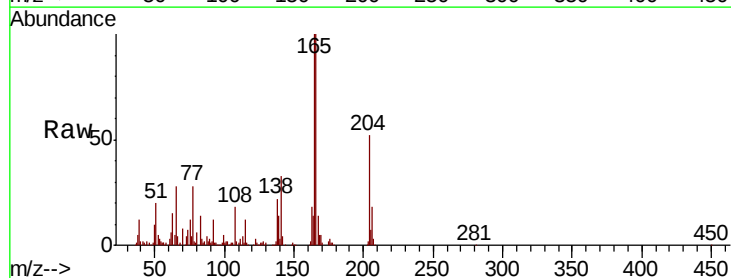


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

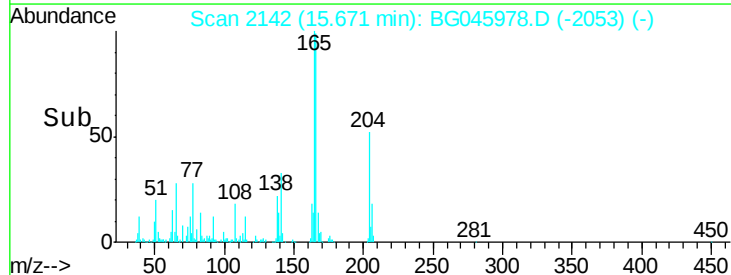
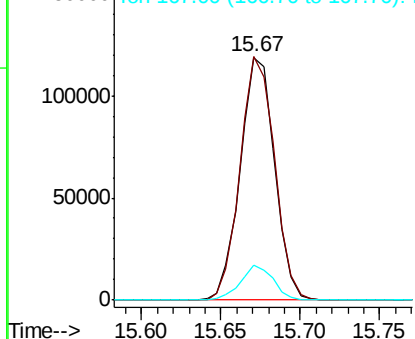


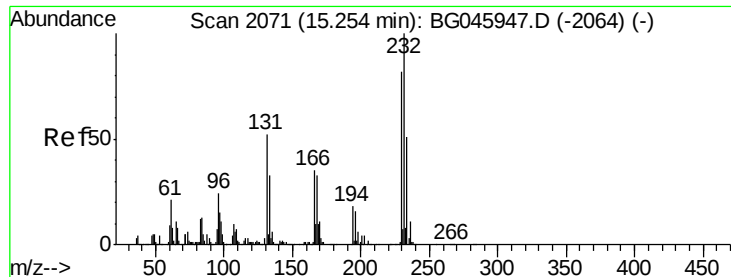
#58
Fluorene
Concen: 7.135 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:166 Resp: 179028
Ion Ratio Lower Upper
166 100
165 100.5 78.9 118.3
167 14.5 12.1 18.1



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

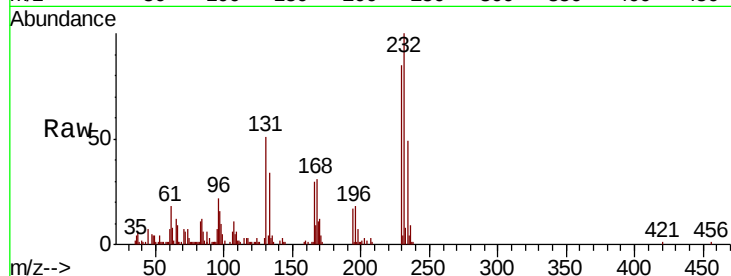




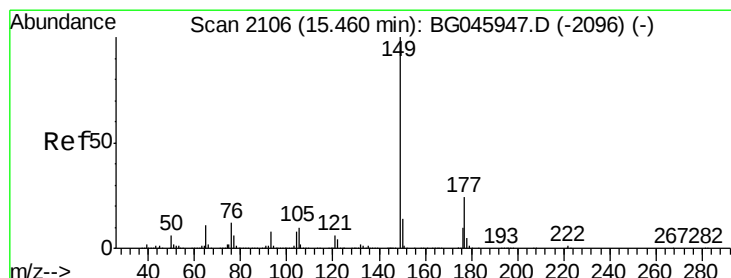
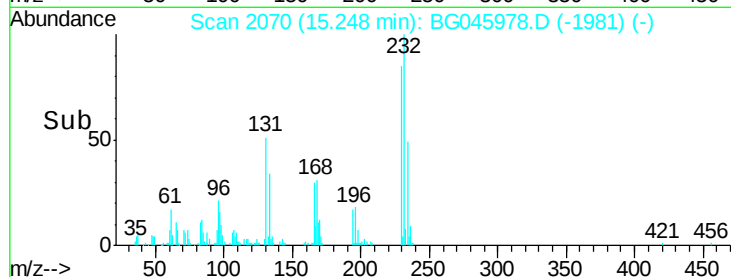
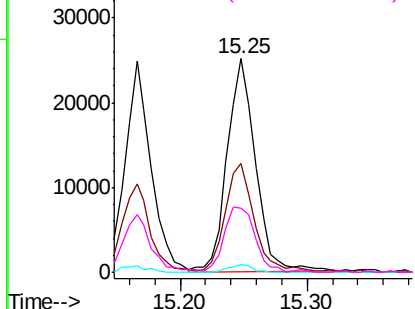
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.682 ng
 RT: 15.25 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	232	Resp:	38419
Ion	Ratio	Lower	Upper
232	100		
131	53.2	35.8	53.6
130	3.1	2.5	3.7
166	32.4	21.8	32.8

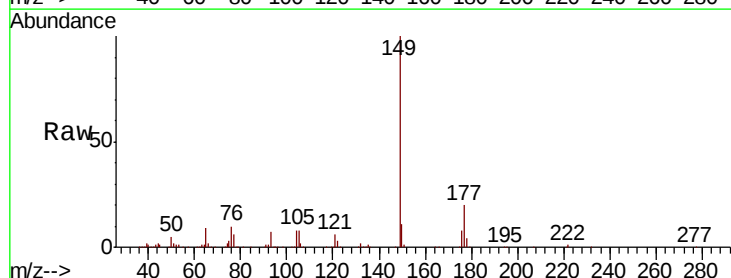


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

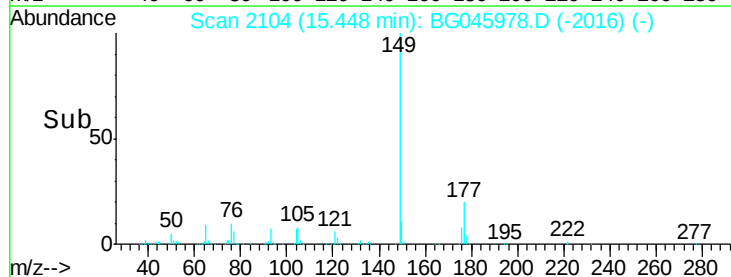
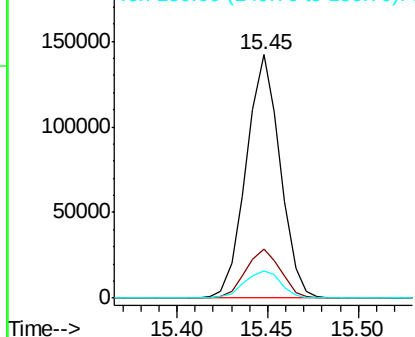


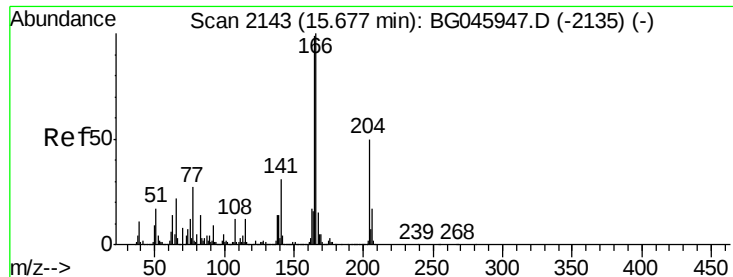
#60
 Diethylphthalate
 Concen: 6.792 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion:	149	Resp:	184667
Ion	Ratio	Lower	Upper
149	100		
177	20.0	19.0	28.4
150	11.2	11.0	16.4



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

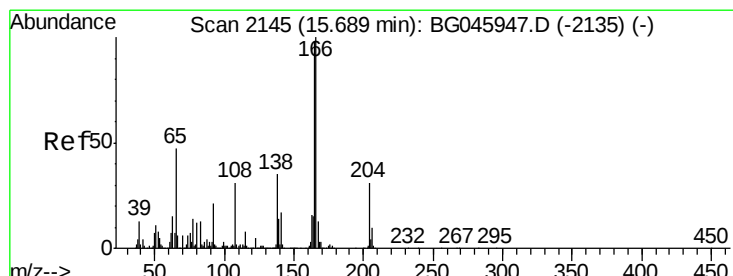
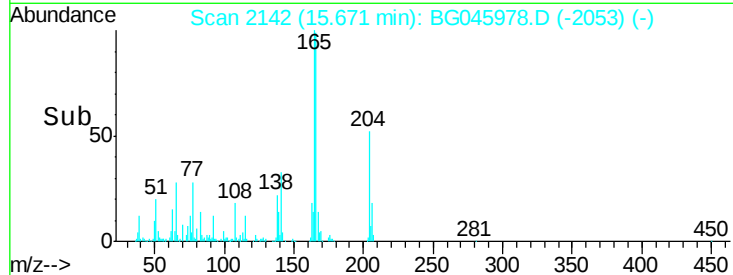
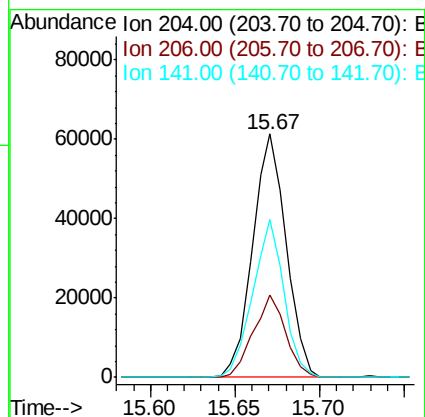
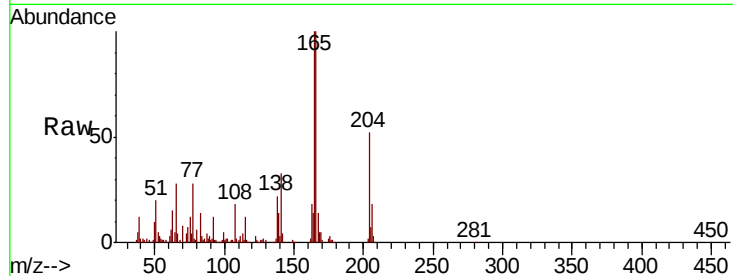




#61
 4-Chlorophenyl-phenylether
 Concen: 6.760 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

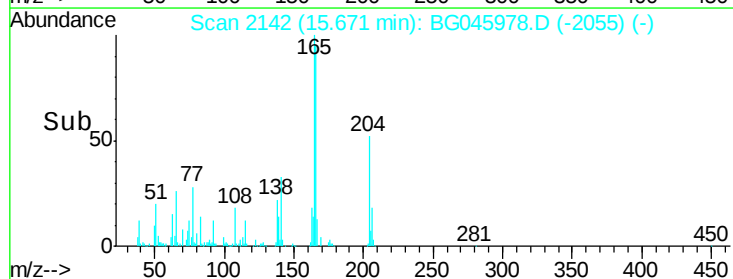
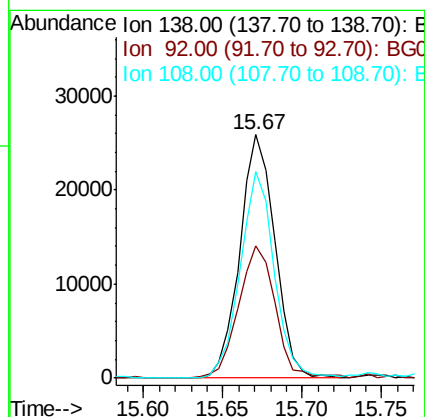
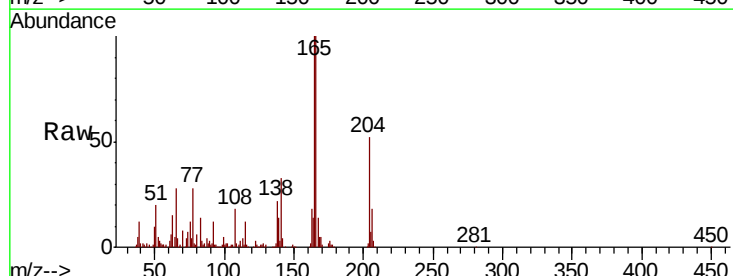
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

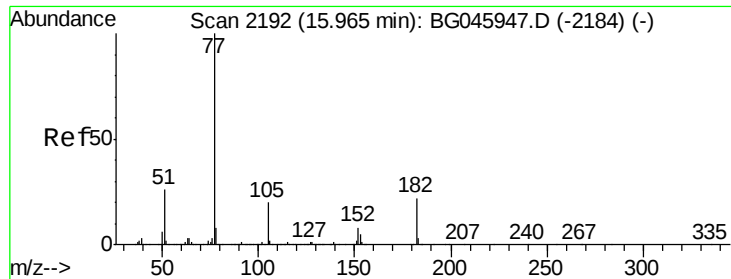
Tot Ion:204 Resp: 84391
 Ion Ratio Lower Upper
 204 100
 206 34.0 27.1 40.7
 141 64.8 49.8 74.8



#62
 4-Nitroaniline
 Concen: 7.403 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.02 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion:138 Resp: 39671
 Ion Ratio Lower Upper
 138 100
 92 54.1 40.3 80.3
 108 84.7 68.0 108.0

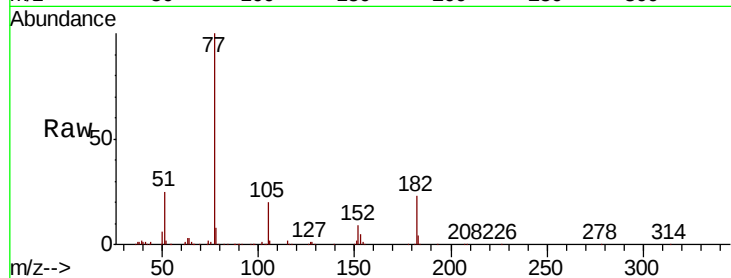




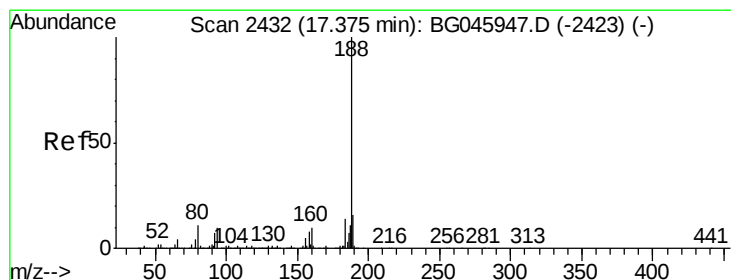
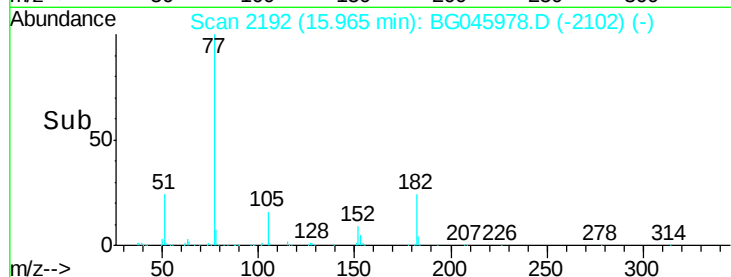
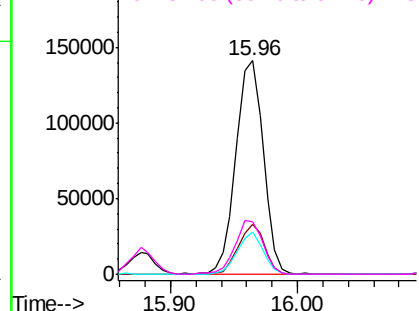
#63
Azobenzene
Concen: 7.243 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	211367
Ion	Ratio	Lower	Upper
77	100		
182	23.4	2.4	42.4
105	19.9	0.3	40.3
51	24.6	6.3	46.3

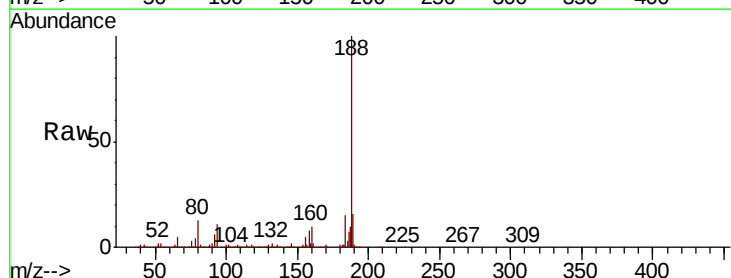


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

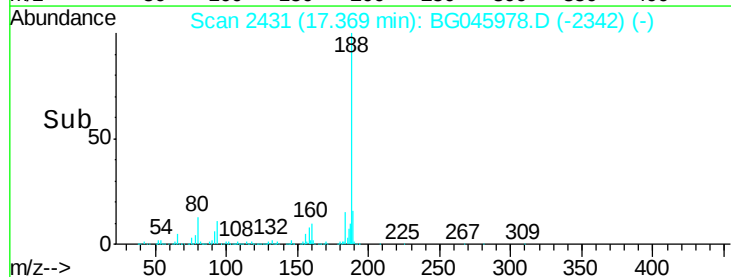
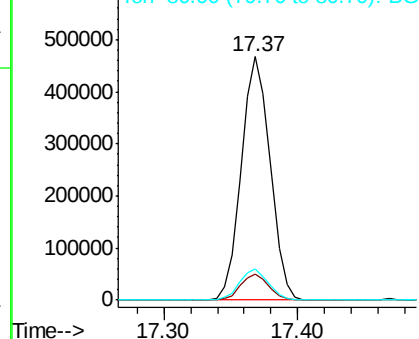


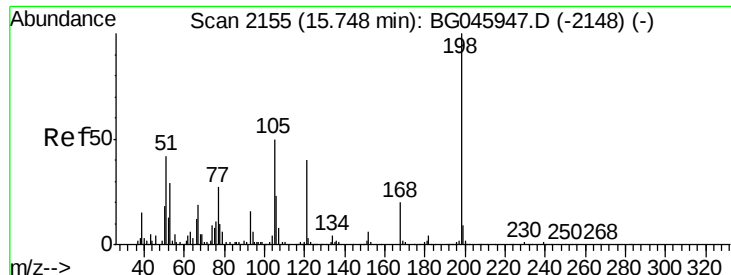
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:	188	Resp:	696290
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.2	12.4
80	12.6	9.0	13.6



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

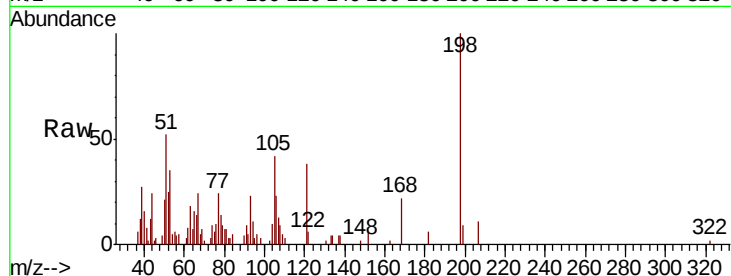




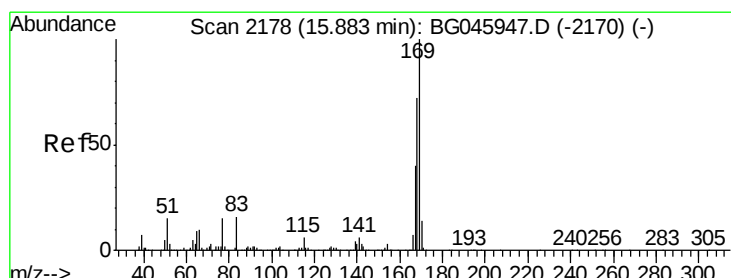
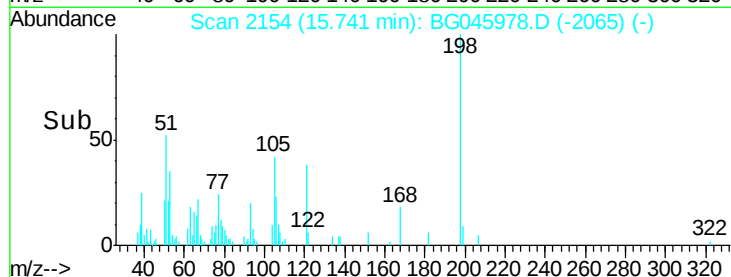
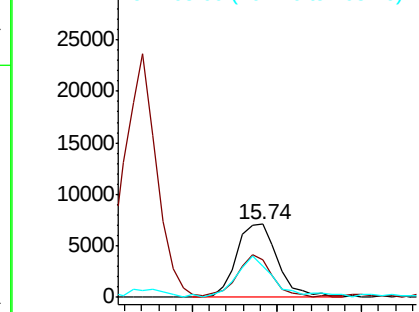
#65
4,6-Dinitro-2-methylphenol
Concen: 5.863 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
198	100		
51	51.8	24.5	64.5
105	42.0	30.9	70.9

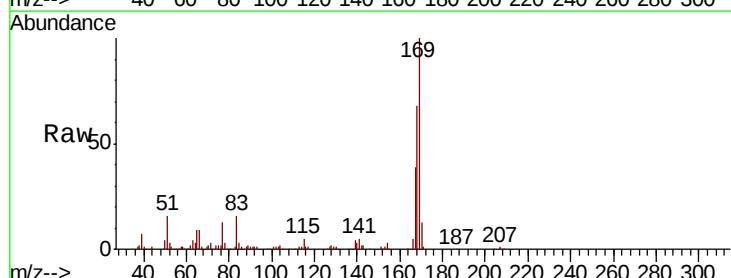


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

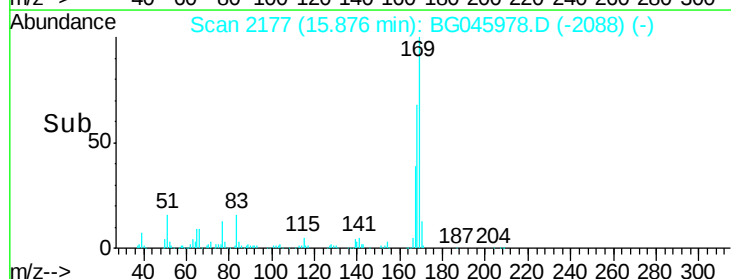
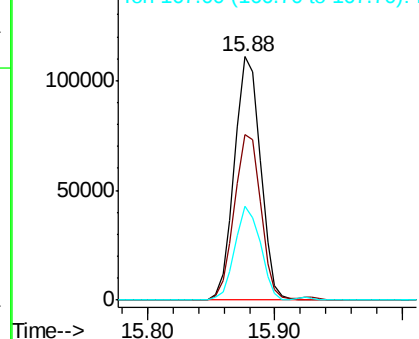


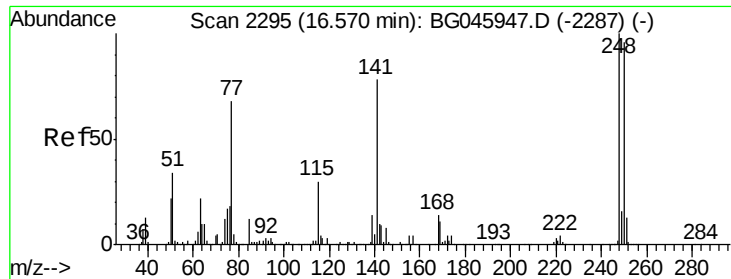
#66
n-Nitrosodiphenylamine
Concen: 7.278 ng
RT: 15.88 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.9	57.3	85.9
167	38.8	32.1	48.1



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

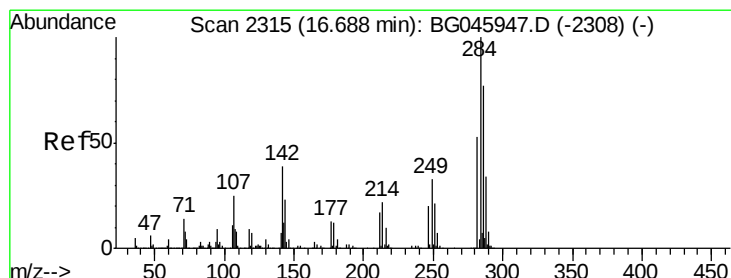
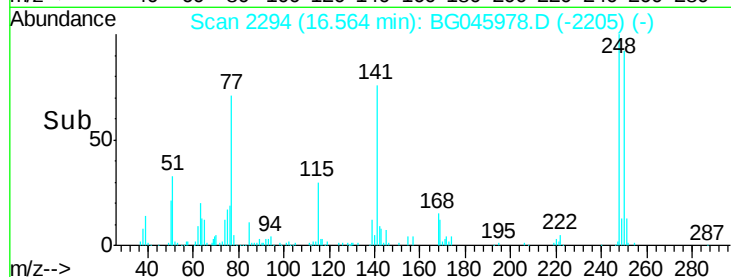
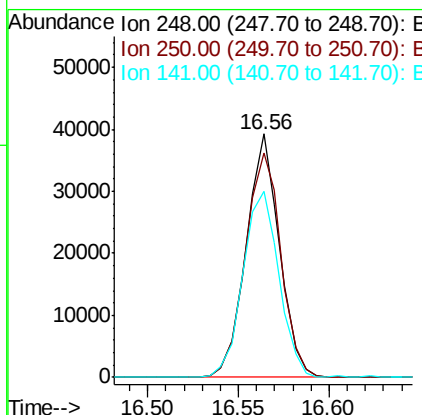
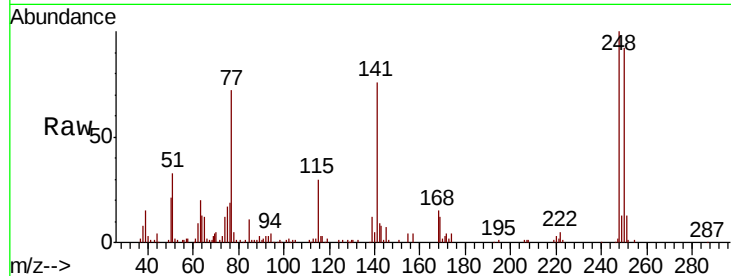




#67
4-Bromophenyl-phenylether
Concen: 6.407 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

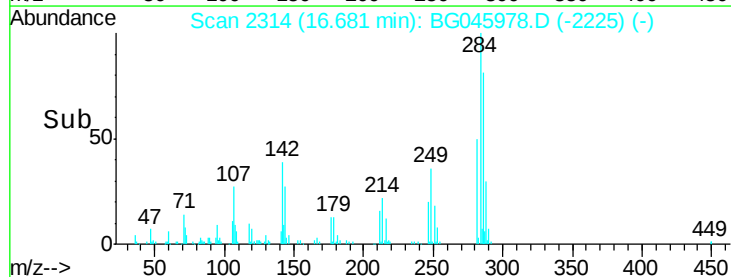
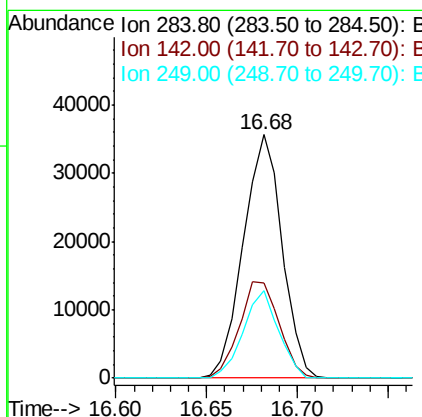
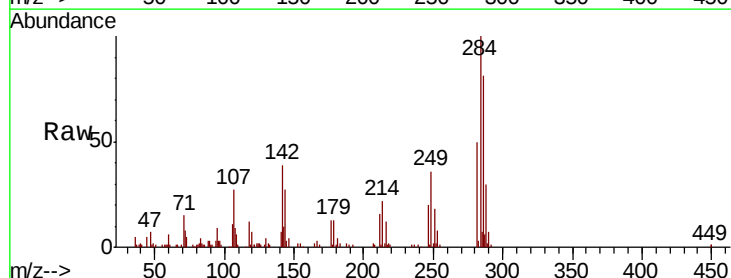
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

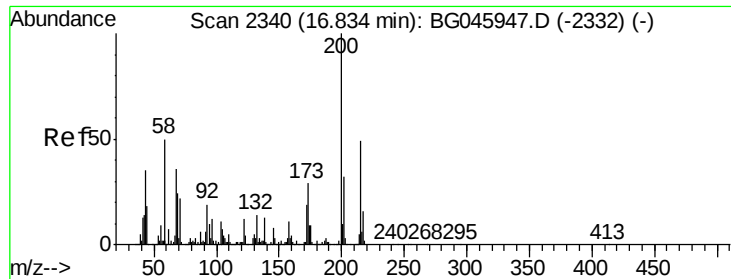
Tot Ion:248 Resp: 49824
Ion Ratio Lower Upper
248 100
250 92.1 76.6 114.8
141 76.2 62.7 94.1



#68
Hexachlorobenzene
Concen: 6.784 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:284 Resp: 52942
Ion Ratio Lower Upper
284 100
142 39.3 31.3 46.9
249 35.8 26.8 40.2





#69

Atrazine

Concen: 8.020 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

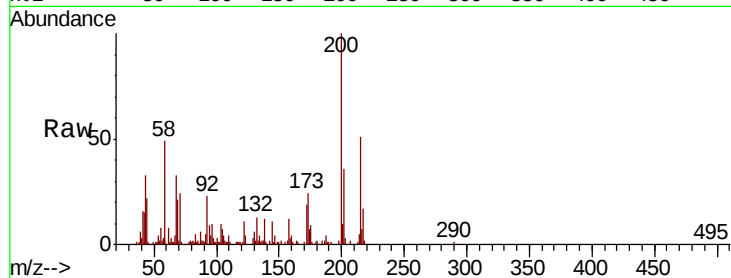
Tot Ion:200 Resp: 51163

Ion Ratio Lower Upper

200 100

173 23.8 9.1 49.1

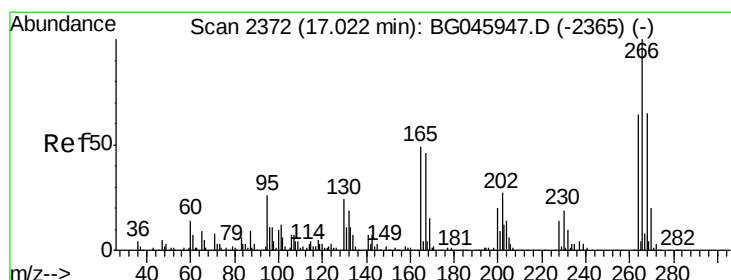
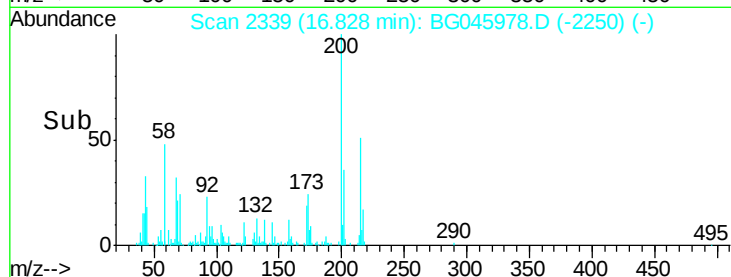
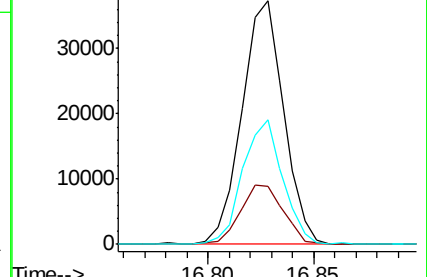
215 51.4 28.8 68.8



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: 5.477 ng

RT: 17.02 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

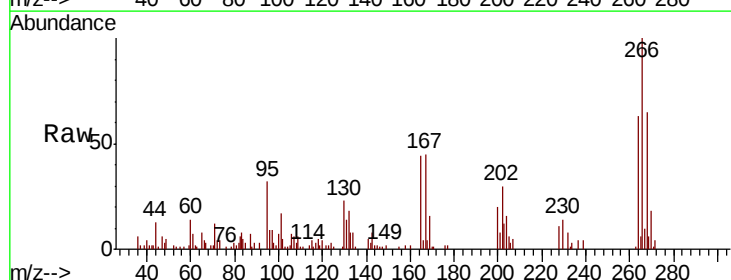
Tgt Ion:266 Resp: 23765

Ion Ratio Lower Upper

266 100

268 65.4 51.8 77.8

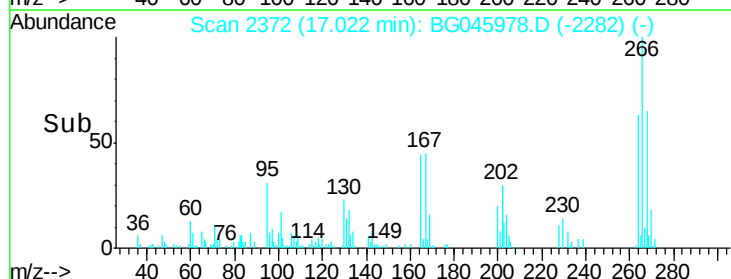
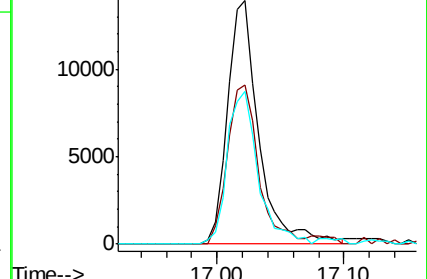
264 62.7 51.4 77.0

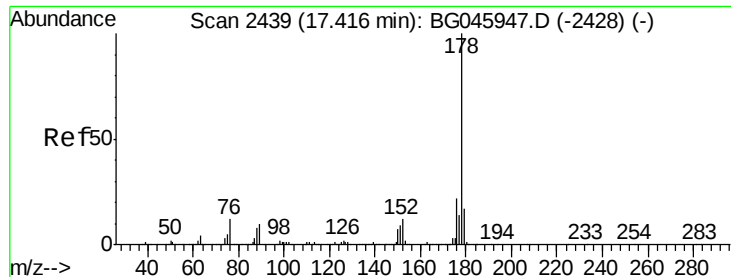


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

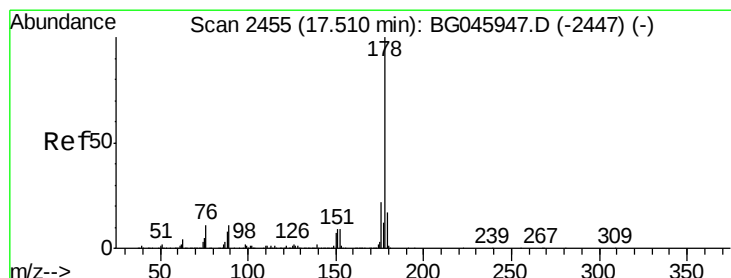
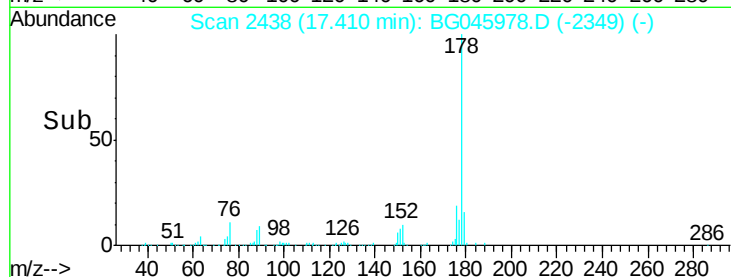
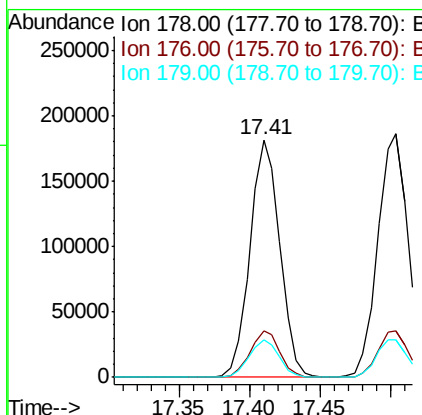
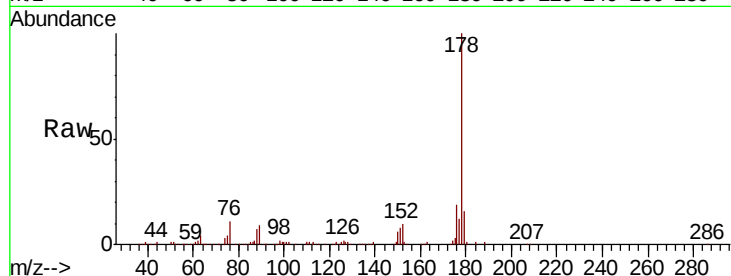




#71
Phenanthrene
Concen: 7.333 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

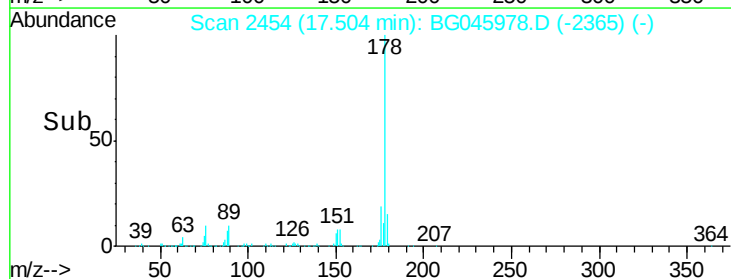
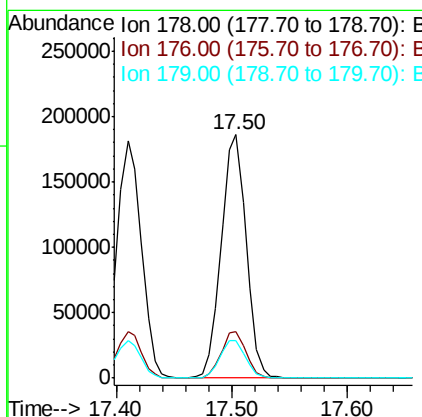
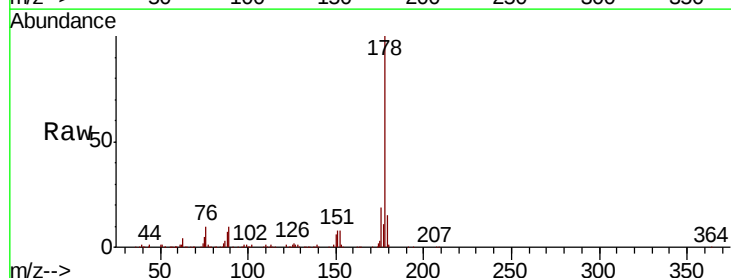
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

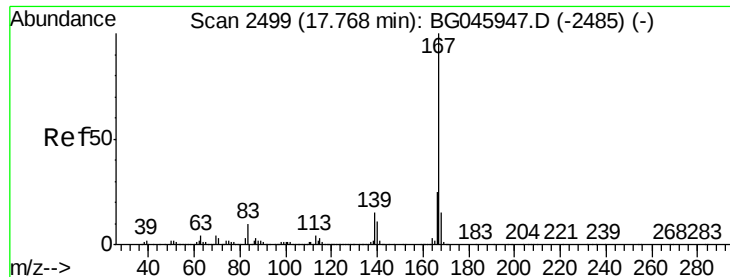
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.4	26.2
179	15.9	13.4	20.2



#72
Anthracene
Concen: 7.438 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	17.2	25.8
179	15.4	14.0	21.0

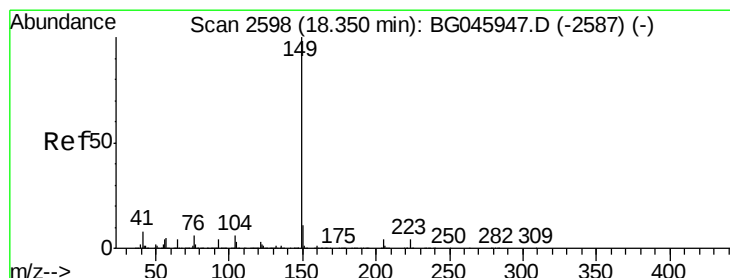
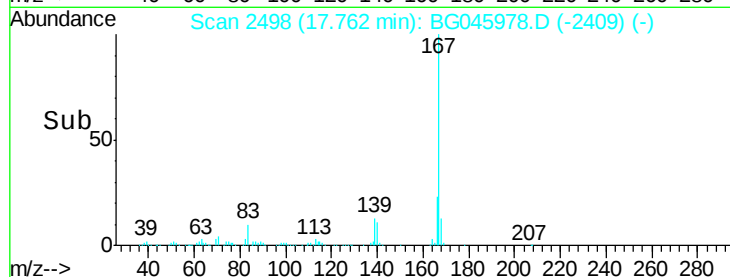
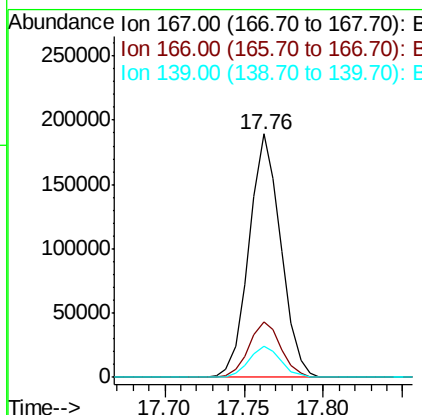
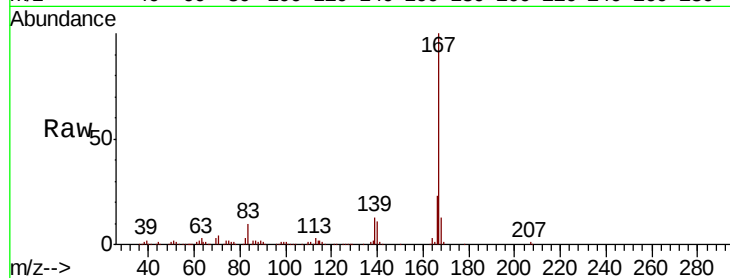




#73
 Carbazole
 Concen: 7.038 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

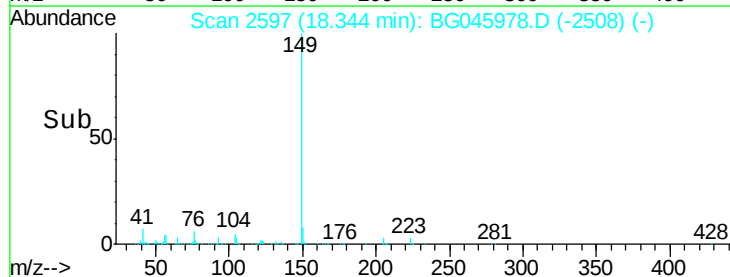
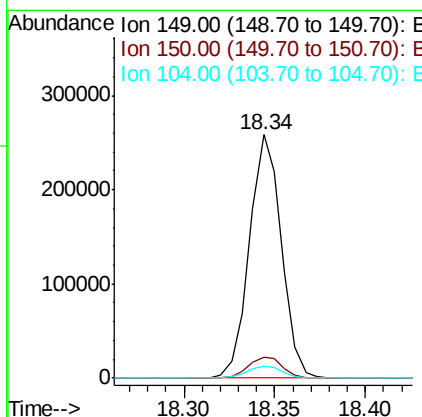
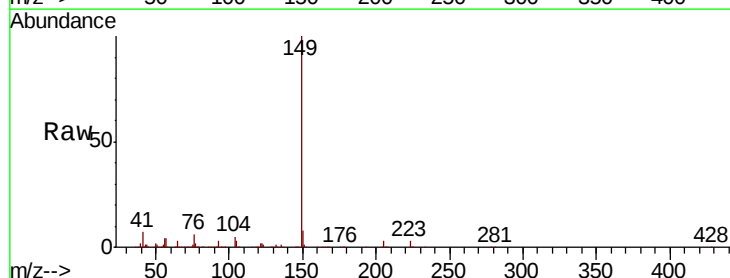
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

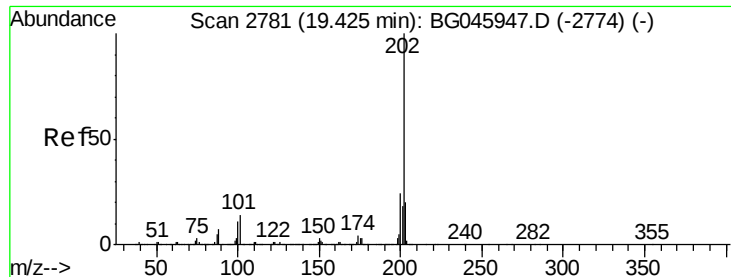
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	20.4	30.6
139	12.7	11.8	17.8



#74
 Di-n-butylphthalate
 Concen: 7.011 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.5	9.0	13.4#
104	5.1	5.2	7.8#

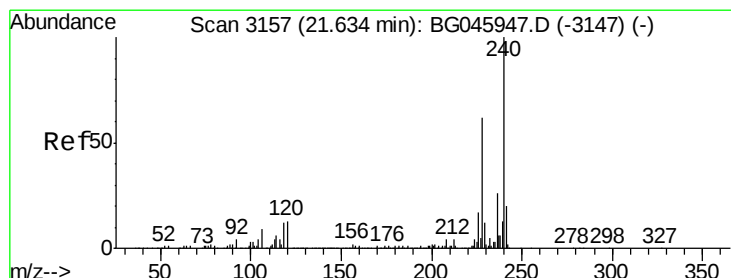
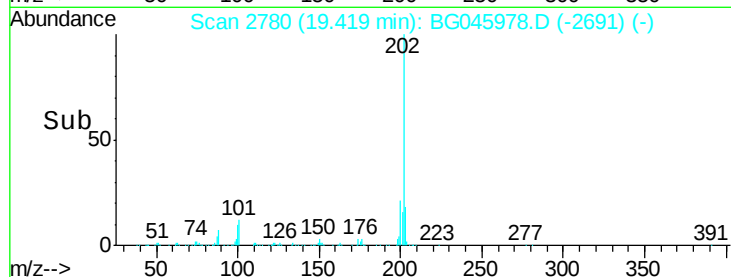
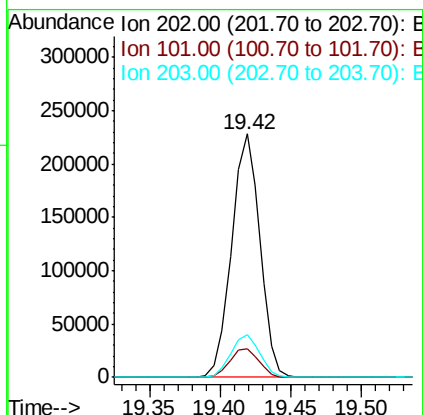
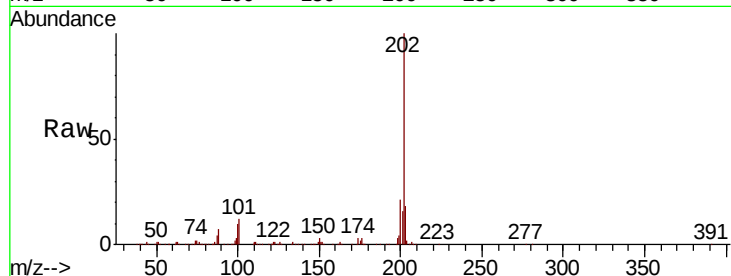




#75
Fluoranthene
Concen: 7.477 ng
RT: 19.42 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

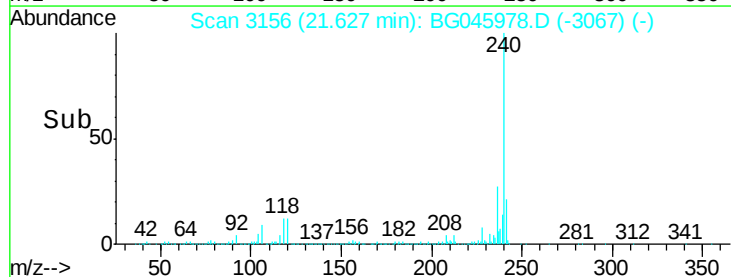
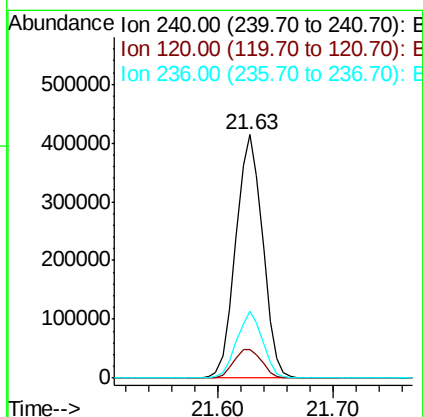
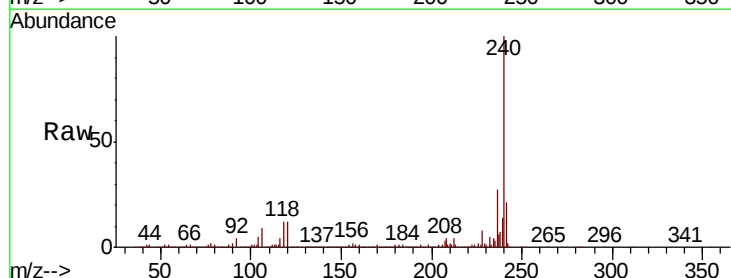
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

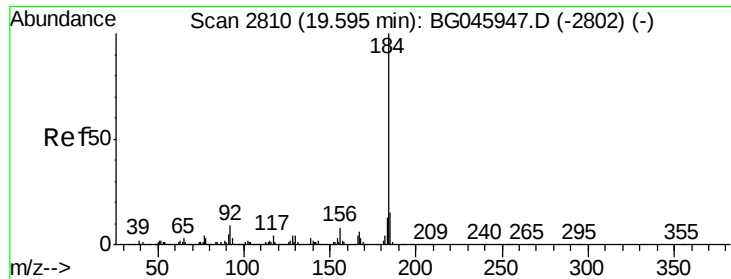
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.8
203	17.7	0.4	40.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.6	16.0
236	27.4	20.4	30.6

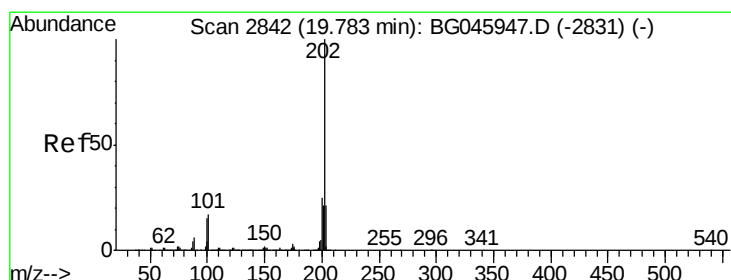
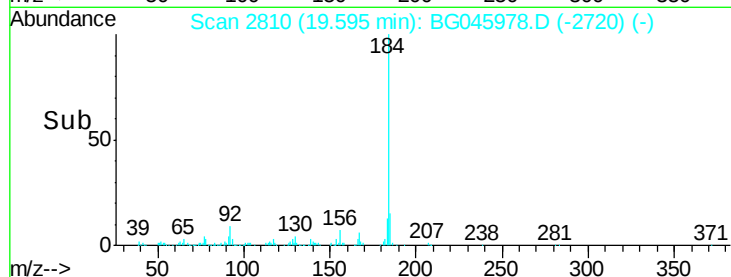
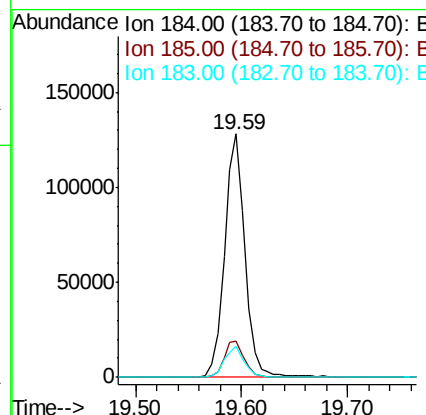
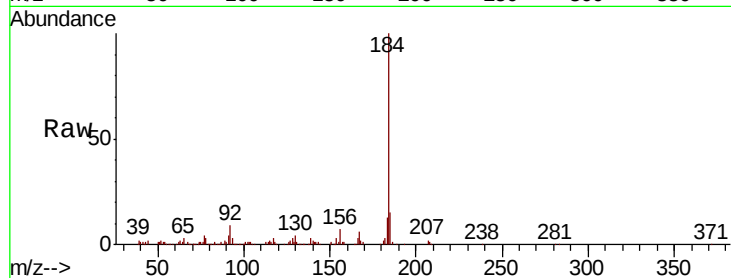




#77
Benzidine
Concen: 9.024 ng
RT: 19.59 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

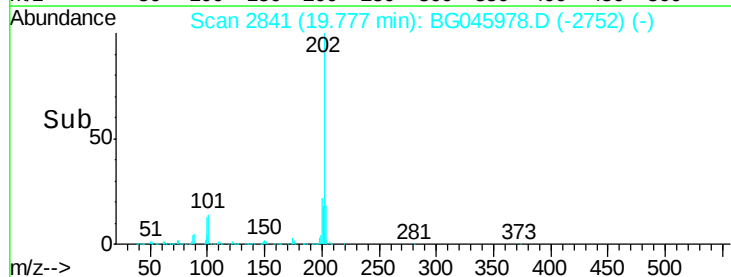
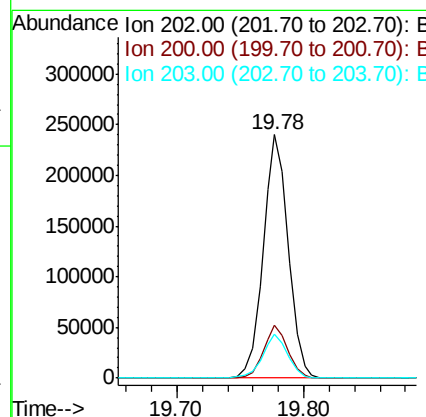
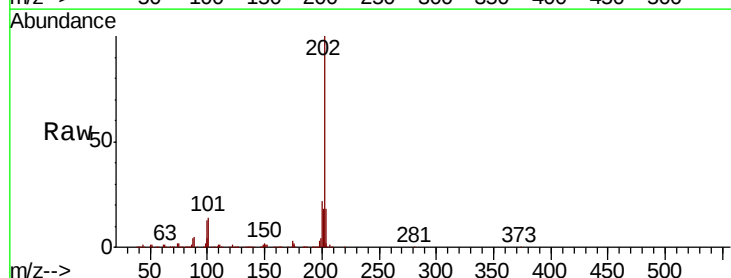
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

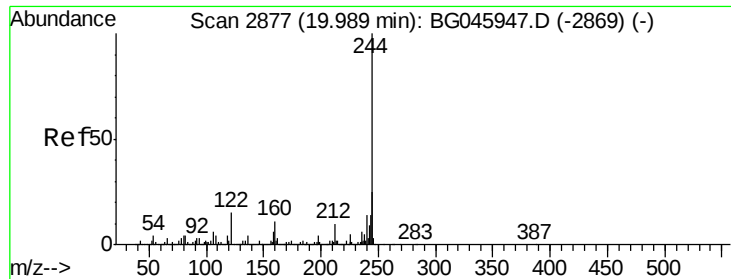
Tot Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.6	17.4
183	13.0	10.4	15.6



#78
Pyrene
Concen: 7.234 ng
RT: 19.78 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	20.1	30.1
203	18.3	16.5	24.7





#79

Terphenyl-d14

Concen: 57.783 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

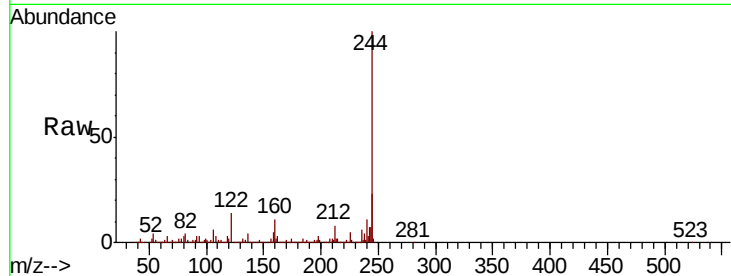
Tot Ion:244 Resp: 1729830

Ion Ratio Lower Upper

244 100

212 8.3 8.3 12.5#

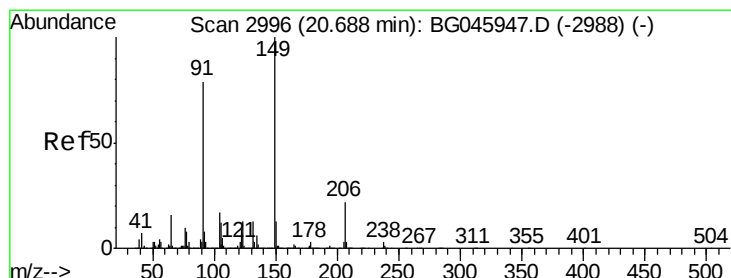
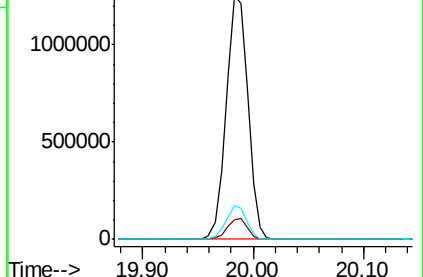
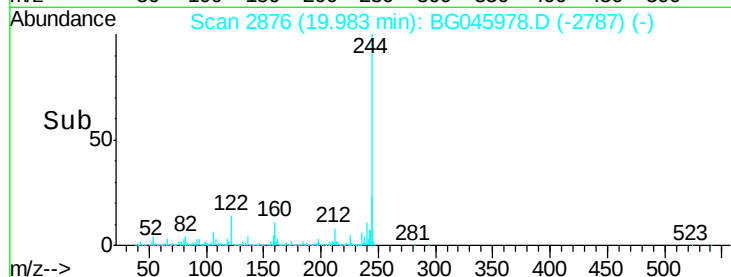
122 14.0 12.1 18.1



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: 6.241 ng

RT: 20.68 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

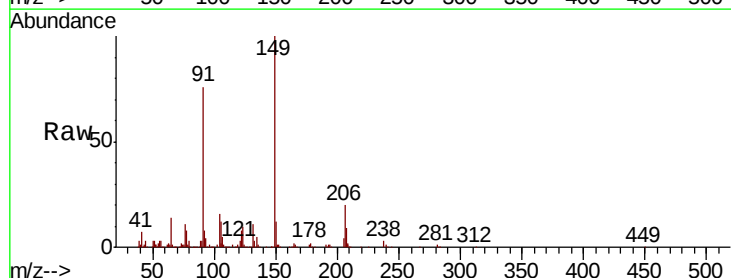
Tgt Ion:149 Resp: 134122

Ion Ratio Lower Upper

149 100

91 75.9 63.1 94.7

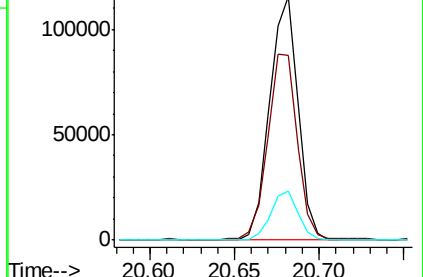
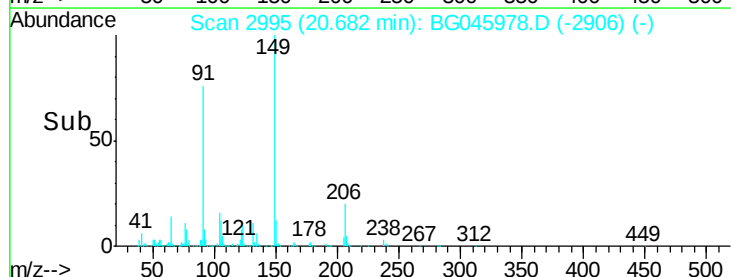
206 20.0 17.4 26.0

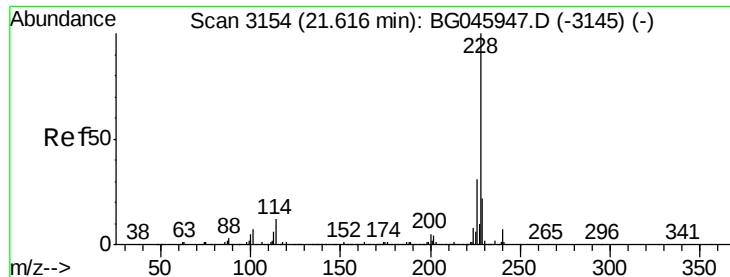


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

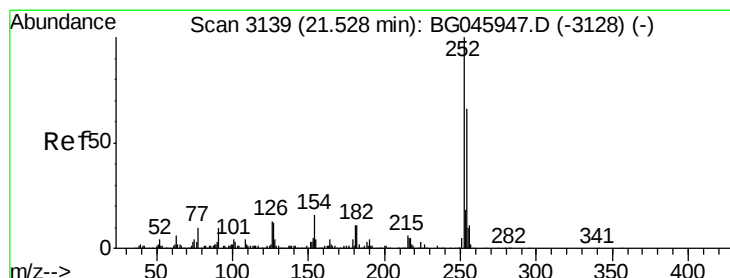
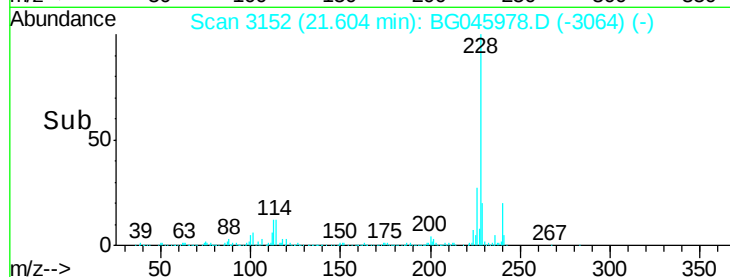
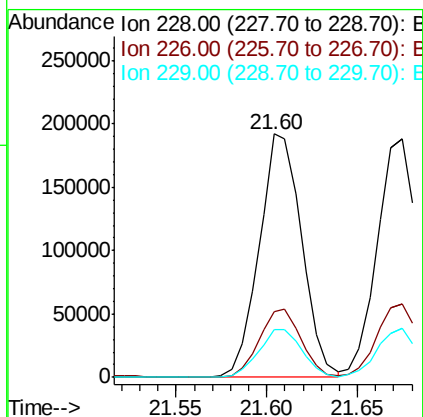
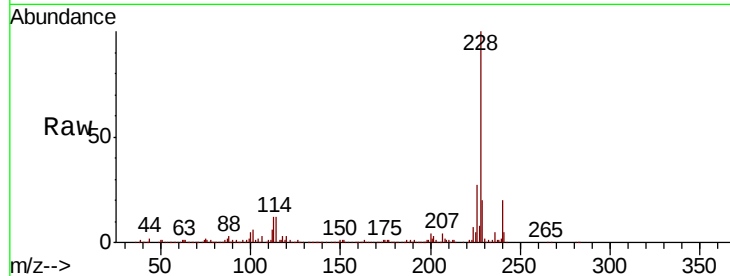




#81
Benzo(a)anthracene
Concen: 7.145 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

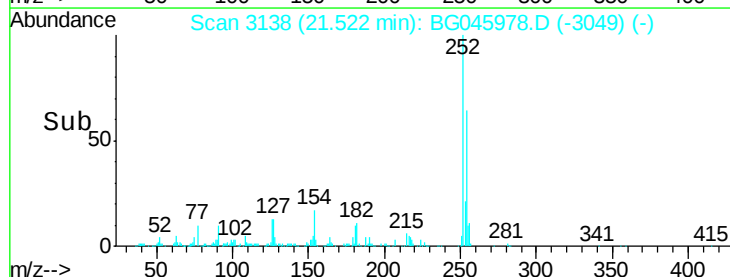
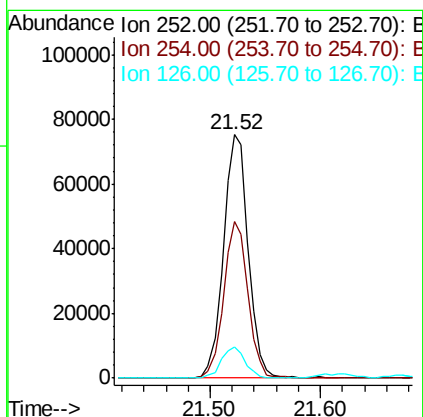
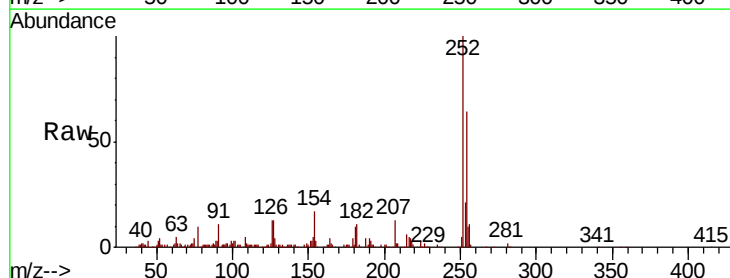
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

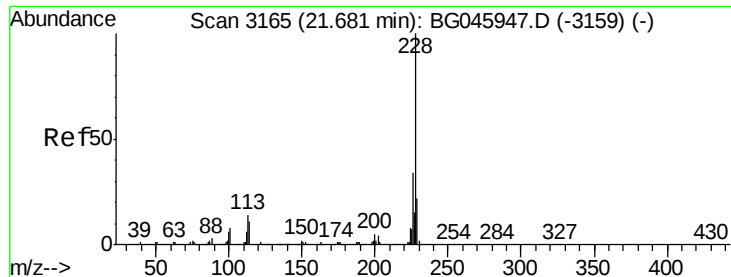
Tot Ion:228 Resp: 312997
Ion Ratio Lower Upper
228 100
226 27.0 24.8 37.2
229 19.7 17.8 26.8



#82
3,3'-Dichlorobenzidine
Concen: 7.271 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:252 Resp: 117696
Ion Ratio Lower Upper
252 100
254 64.1 52.9 79.3
126 12.7 10.4 15.6

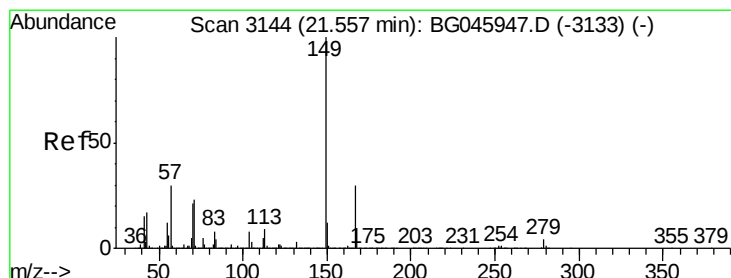
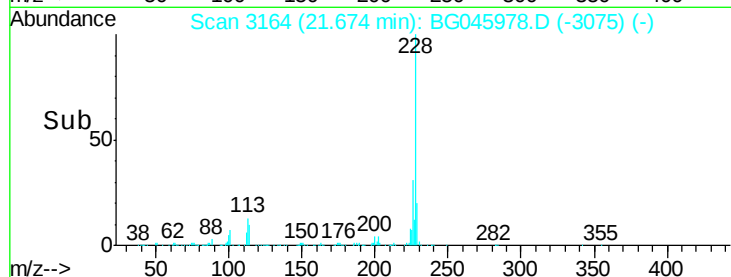
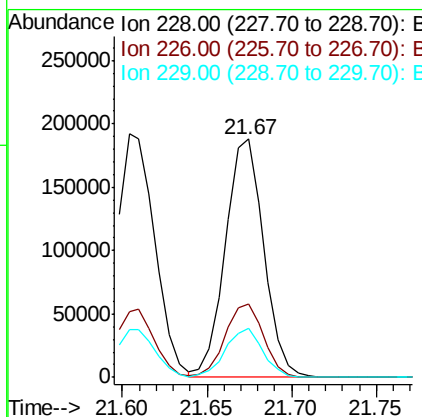
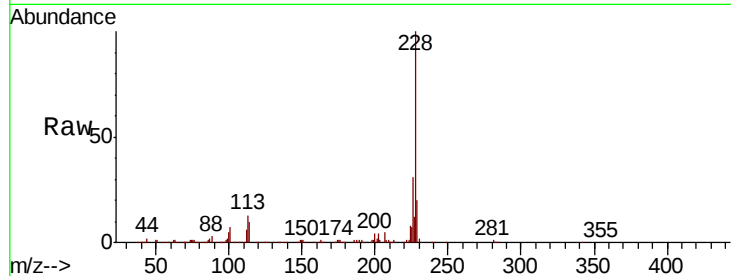




#83
Chrysene
Concen: 7.090 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

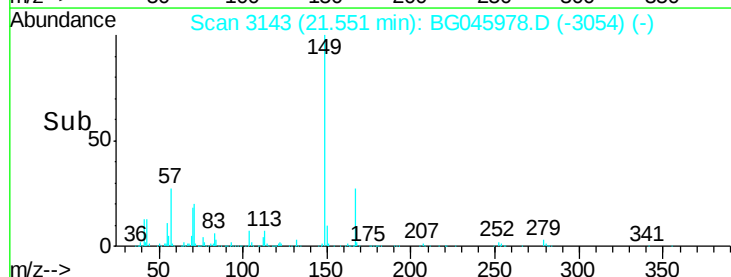
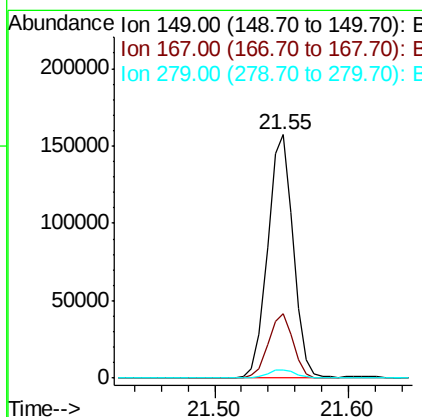
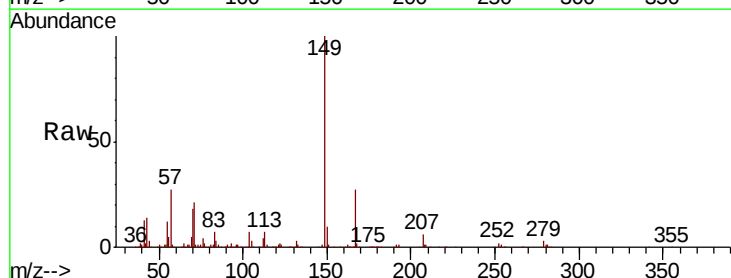
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

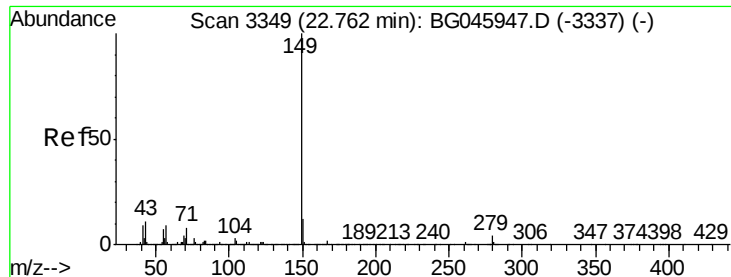
Tot Ion:228 Resp: 295914
Ion Ratio Lower Upper
228 100
226 31.0 26.7 40.1
229 20.4 17.3 25.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.714 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:149 Resp: 209439
Ion Ratio Lower Upper
149 100
167 26.7 23.8 35.8
279 3.4 3.5 5.3#





#85

Di-n-octyl phthalate

Concen: 6.363 ng

RT: 22.75 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

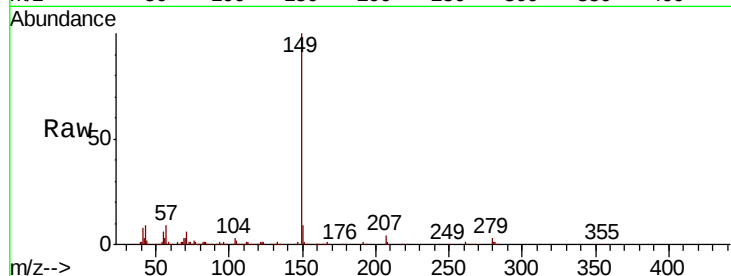
Tot Ion:149 Resp: 344495

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

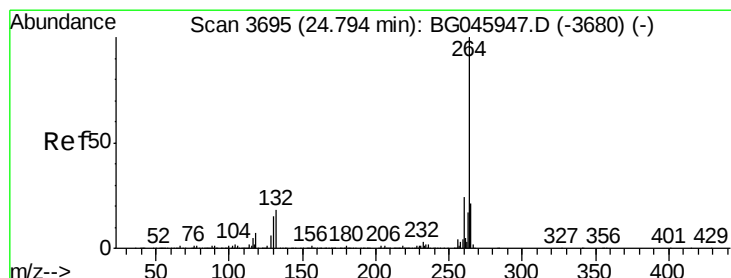
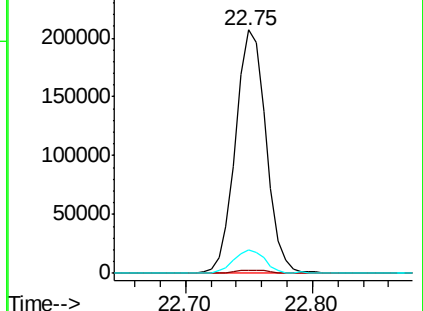
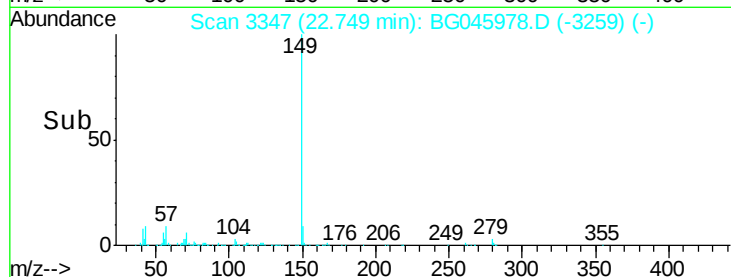
43 9.8 8.6 12.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

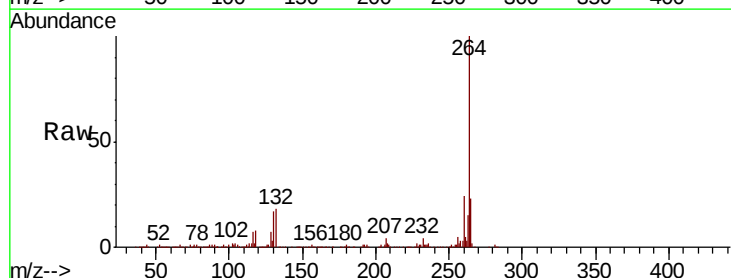
Tgt Ion:264 Resp: 675917

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

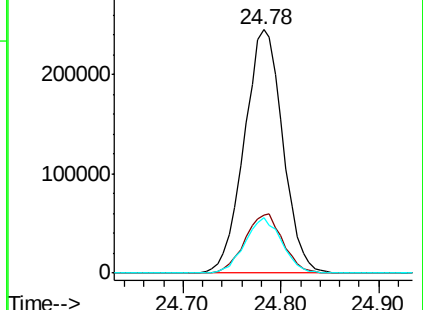
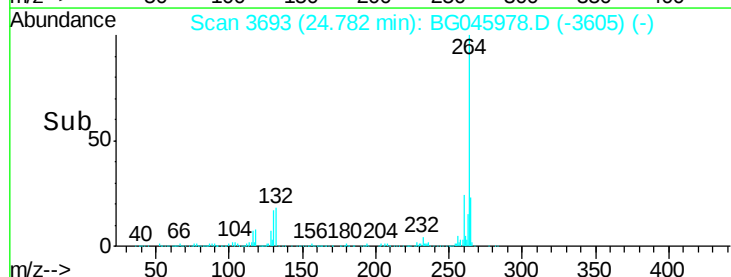
265 22.7 16.9 25.3

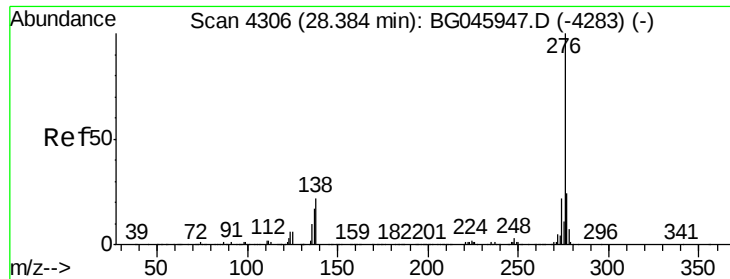


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

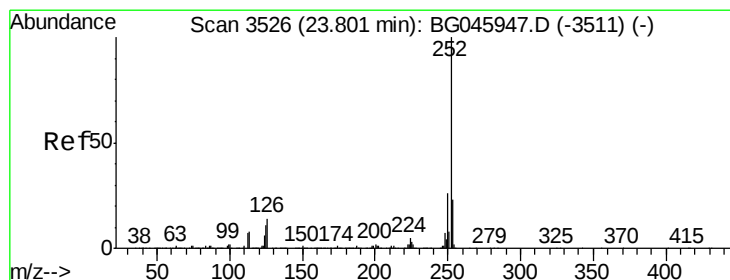
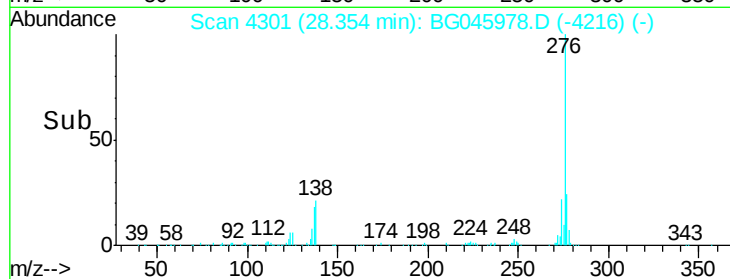
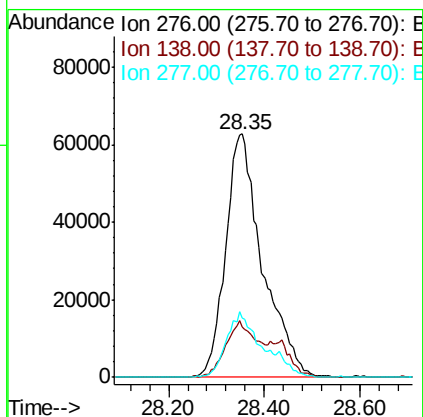
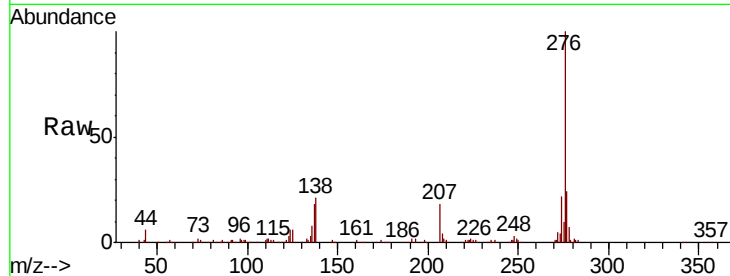




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.779 ng
 RT: 28.35 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

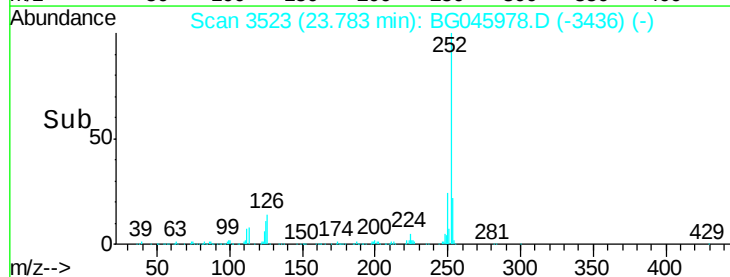
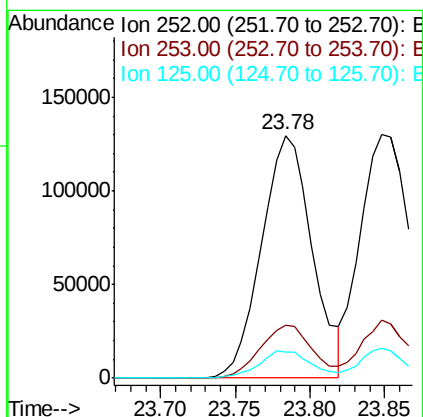
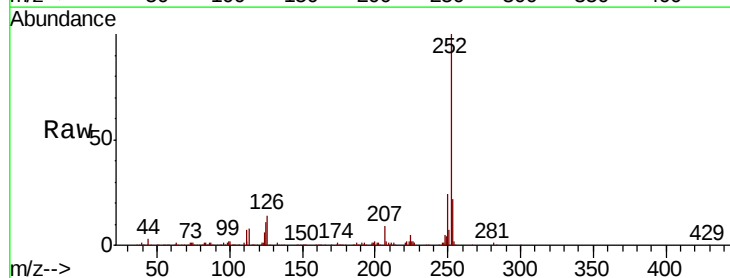
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

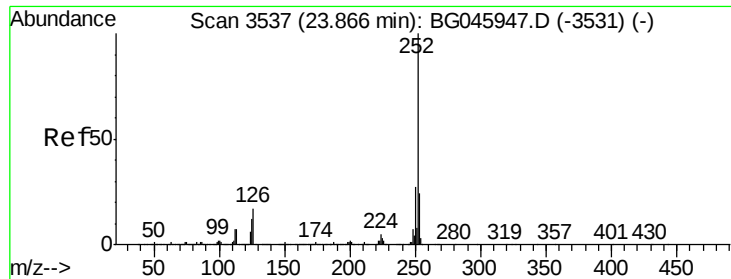
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.4	24.6
277	26.7	20.6	31.0



#88
 Benzo(b)fluoranthene
 Concen: 7.133 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.5	27.7
125	10.6	9.2	13.8

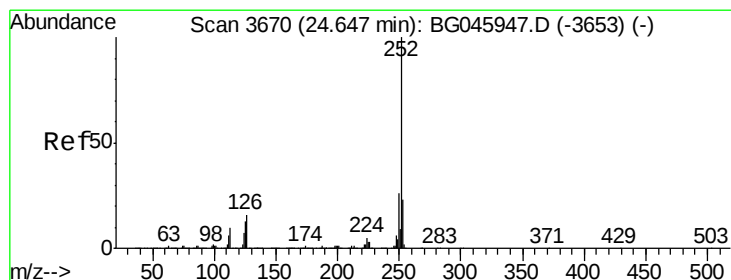
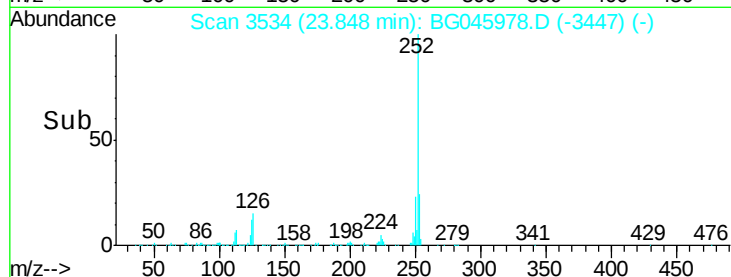
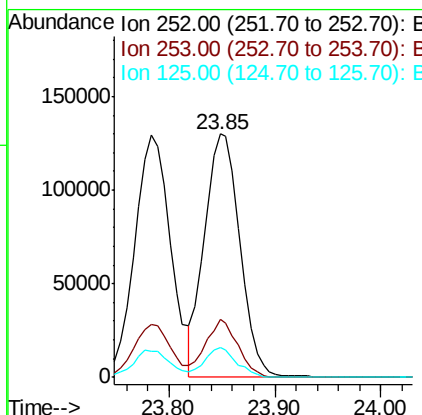
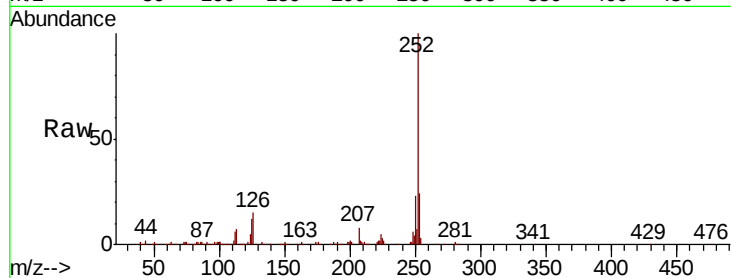




#89
Benzo(k)fluoranthene
Concen: 7.454 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

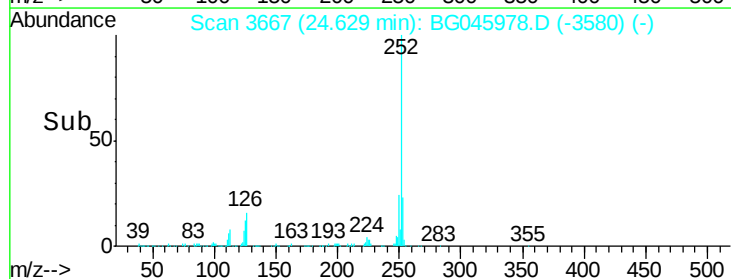
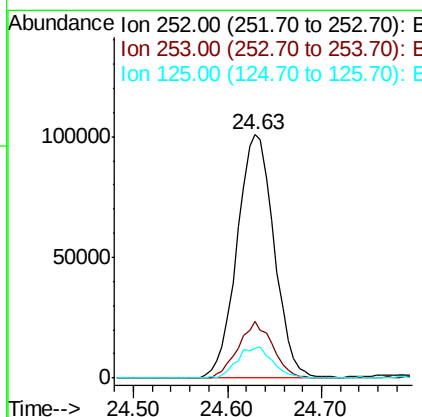
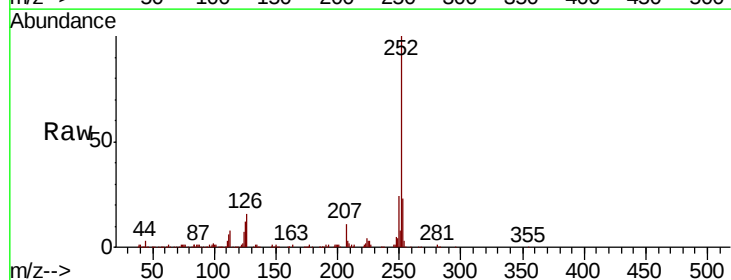
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

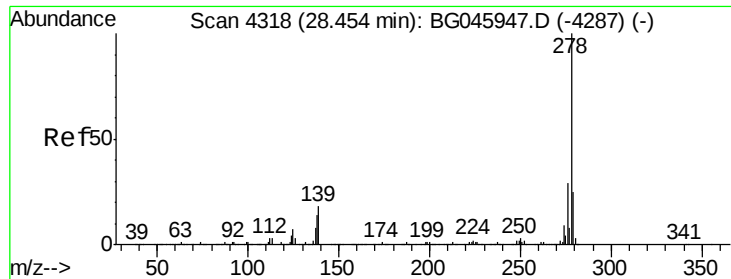
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	12.3	9.6	14.4



#90
Benzo(a)pyrene
Concen: 6.819 ng
RT: 24.63 min Scan# 3667
Delta R.T. -0.02 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	28.0
125	12.3	10.5	15.7

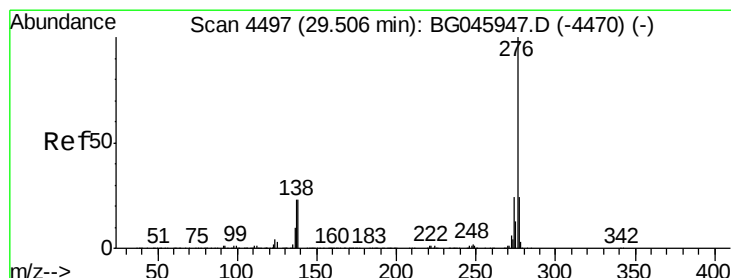
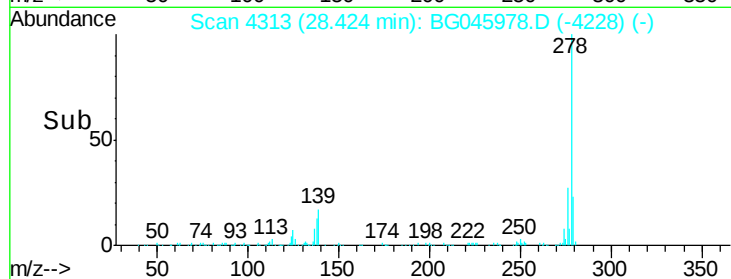
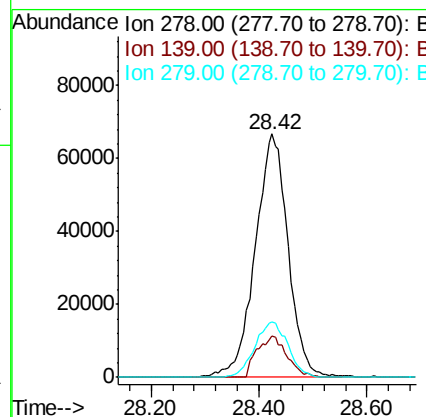
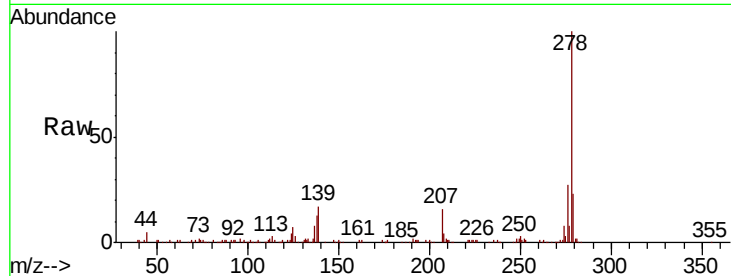




#91
Dibenzo(a,h)anthracene
Concen: 7.003 ng
RT: 28.42 min Scan# 4313
Delta R.T. -0.03 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.3	21.5
279	22.7	19.8	29.6



#92
Benzo(g,h,i)perylene
Concen: 7.015 ng
RT: 29.46 min Scan# 4489
Delta R.T. -0.05 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.4	29.0
138	21.9	18.6	28.0

