

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
 Data File : BG045992.D
 Acq On : 9 Jul 2020 13:01
 Operator : CG/JU
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 09 13:36:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:56:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	142048	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	582463	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	349188	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	693489	20.00	ng	0.00
76) Chrysene-d12	21.62	240	623167	20.00	ng	0.00
86) Perylene-d12	24.78	264	617393	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	851217	97.18	ng	0.00
7) Phenol-d6	7.16	99	1247913	98.95	ng	0.00
23) Nitrobenzene-d5	9.16	82	841193	83.13	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	316730	97.73	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1648093	73.62	ng	0.00
79) Terphenyl-d14	19.99	244	1656323	59.15	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.51	88	47038	11.640	ng	99
3) Pyridine	3.90	79	98940	8.097	ng	99
4) n-Nitrosodimethylamine	3.82	42	40745	9.861	ng	91
6) Aniline	7.33	93	152336	9.443	ng	99
8) 2-Chlorophenol	7.57	128	86010	9.122	ng	96
9) Benzaldehyde	7.14	77	100135	12.533	ng	97
10) Phenol	7.19	94	115166	9.104	ng	99
11) bis(2-Chloroethyl)ether	7.43	93	95945	9.172	ng	97
12) 1,3-Dichlorobenzene	7.90	146	99156	9.123	ng	99
13) 1,4-Dichlorobenzene	8.04	146	99841	9.338	ng	98
14) 1,2-Dichlorobenzene	8.36	146	93156	9.053	ng	97
15) Benzyl Alcohol	8.24	79	86777	8.776	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.54	45	122298	8.961	ng	98
17) 2-Methylphenol	8.44	107	80588	8.490	ng	99
18) Hexachloroethane	9.09	117	37466	9.107	ng	96
19) n-Nitroso-di-n-propylamine	8.81	70	83360	9.409	ng	97
20) 3+4-Methylphenols	8.77	107	108253	8.368	ng	97
22) Acetophenone	8.82	105	151061	9.708	ng	# 97
24) Nitrobenzene	9.20	77	115759	10.364	ng	99
25) Isophorone	9.72	82	218423	8.842	ng	99
26) 2-Nitrophenol	9.91	139	34389	9.446	ng	# 94
27) 2,4-Dimethylphenol	9.97	122	81755	9.297	ng	99
28) bis(2-Chloroethoxy)methane	10.20	93	128568	9.268	ng	95
29) 2,4-Dichlorophenol	10.45	162	78923	8.670	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	90576	8.980	ng	97
31) Naphthalene	10.86	128	290692	9.310	ng	99
32) Benzoic acid	10.03	122	26933	5.656	ng	89
33) 4-Chloroaniline	10.95	127	121544	8.711	ng	97
34) Hexachlorobutadiene	11.16	225	48294	8.201	ng	97
35) Caprolactam	11.68	113	27638	7.997	ng	91
36) 4-Chloro-3-methylphenol	12.07	107	86345	8.328	ng	99
37) 2-Methylnaphthalene	12.46	142	210649	9.490	ng	96
38) 1-Methylnaphthalene	12.46	142	210649	10.056	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	95303	9.682	ng	99

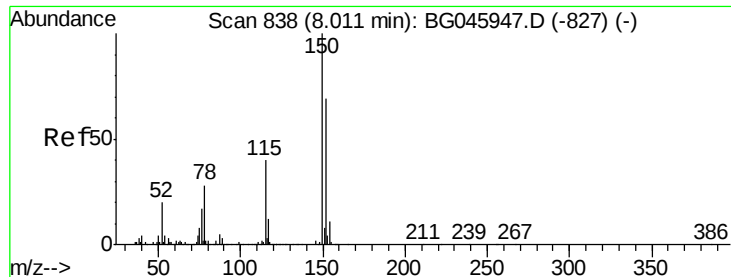
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
 Data File : BG045992.D
 Acq On : 9 Jul 2020 13:01
 Operator : CG/JU
 Sample : L3216-02
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Instrument :
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Quant Time: Jul 09 13:36:47 2020
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:56:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.81	237	50923	8.719	ng	95
43) 2,4,6-Trichlorophenol	13.06	196	53966	8.107	ng	90
44) 2,4,5-Trichlorophenol	13.12	196	62515	8.306	ng	95
46) 1,1'-Biphenyl	13.46	154	263818	10.043	ng	97
47) 2-Chloronaphthalene	13.51	162	187703	9.057	ng	98
48) 2-Nitroaniline	13.69	65	53751	11.081	ng	94
49) Acenaphthylene	14.35	152	321319	9.609	ng	96
50) Dimethylphthalate	14.08	163	230370	8.791	ng	98
51) 2,6-Dinitrotoluene	14.19	165	43790	10.769	ng	99
52) Acenaphthene	14.69	154	189690	8.993	ng	98
53) 3-Nitroaniline	14.51	138	50909	10.103	ng	# 97
54) 2,4-Dinitrophenol	14.72	184	9012	6.283	ng	# 35
55) Dibenzofuran	15.02	168	293201	9.483	ng	96
56) 4-Nitrophenol	14.82	139	36550	8.561	ng	94
57) 2,4-Dinitrotoluene	14.97	165	54886	10.924	ng	94
58) Fluorene	15.67	166	233512	9.207	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.16	232	48244	8.302	ng	97
60) Diethylphthalate	15.45	149	242608	8.828	ng	96
61) 4-Chlorophenyl-phenylether	15.67	204	110441	8.752	ng	95
62) 4-Nitroaniline	15.67	138	51773	9.559	ng	94
63) Azobenzene	15.96	77	279251	9.467	ng	95
65) 4,6-Dinitro-2-methylphenol	15.74	198	16722	8.233	ng	94
66) n-Nitrosodiphenylamine	15.88	169	203601	9.474	ng	98
67) 4-Bromophenyl-phenylether	16.56	248	66305	8.561	ng	97
68) Hexachlorobenzene	16.68	284	69949	9.000	ng	99
69) Atrazine	16.82	200	66752	10.506	ng	98
70) Pentachlorophenol	17.02	266	31165	7.212	ng	99
71) Phenanthrene	17.41	178	357098	9.740	ng	97
72) Anthracene	17.50	178	363453	9.768	ng	97
73) Carbazole	17.76	167	339514	9.104	ng	96
74) Di-n-butylphthalate	18.35	149	407000	9.031	ng	# 95
75) Fluoranthene	19.42	202	405277	9.562	ng	97
77) Benzidine	19.59	184	203149	11.401	ng	98
78) Pyrene	19.78	202	415868	9.777	ng	94
80) Butylbenzylphthalate	20.68	149	160993	8.009	ng	95
81) Benzo(a)anthracene	21.61	228	381007	9.298	ng	93
82) 3,3'-Dichlorobenzidine	21.52	252	138899	9.174	ng	100
83) Chrysene	21.67	228	352336	9.026	ng	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	244059	8.364	ng	# 93
85) Di-n-octyl phthalate	22.75	149	400000	7.899	ng	99
87) Indeno(1,2,3-cd)pyrene	28.36	276	400368	8.864	ng	# 69
88) Benzo(b)fluoranthene	23.78	252	363883	9.284	ng	98
89) Benzo(k)fluoranthene	23.85	252	359968	9.713	ng	98
90) Benzo(a)pyrene	24.63	252	332390	9.019	ng	97
91) Dibenzo(a,h)anthracene	28.43	278	336693	9.242	ng	98
92) Benzo(g,h,i)perylene	29.45	276	333969	9.110	ng	100

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

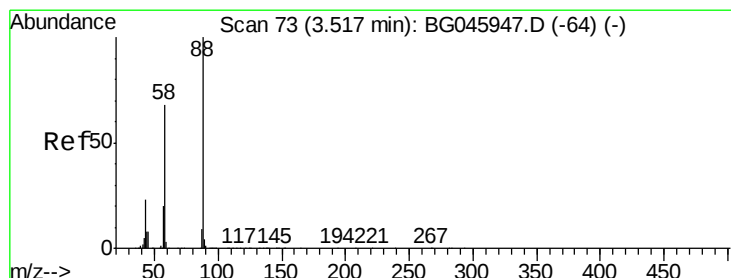
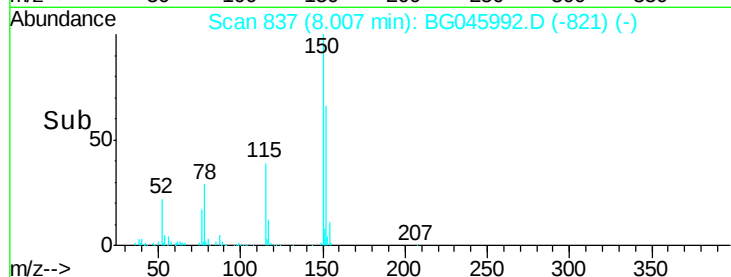
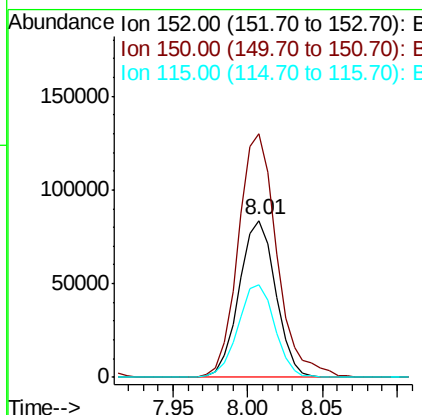
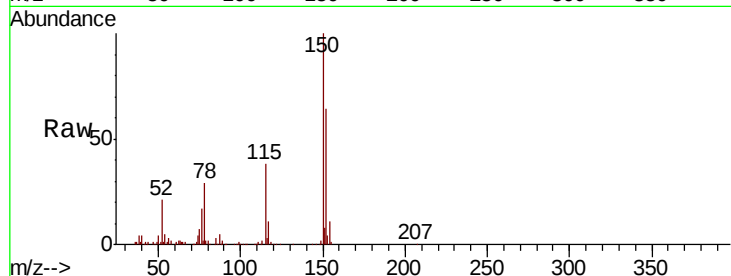


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

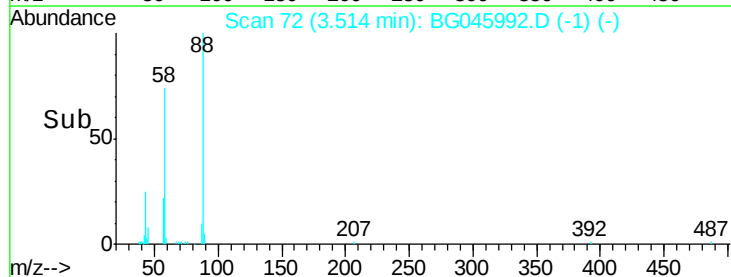
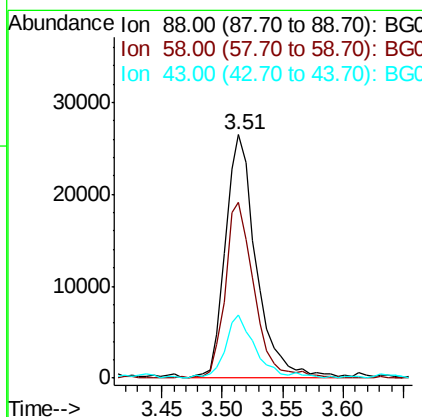
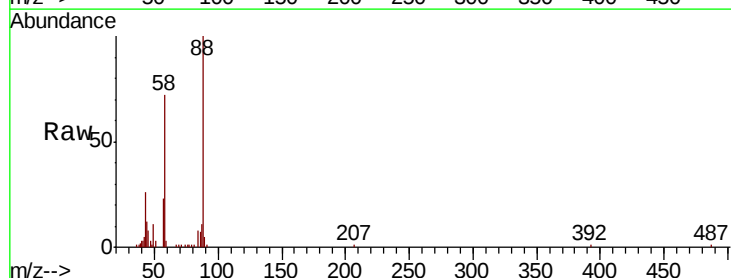
Tot Ion:152 Resp: 142048
Ion Ratio Lower Upper
152 100
150 155.2 116.7 175.1
115 58.8 47.4 71.0

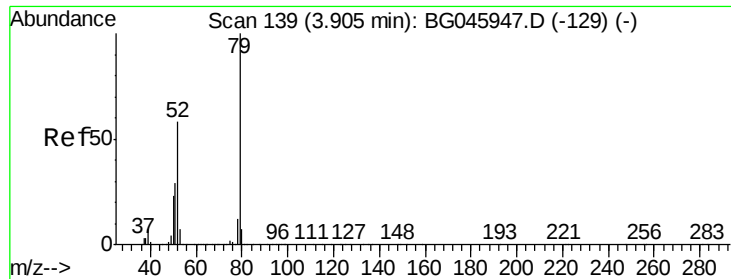


#2

1,4-Dioxane
Concen: 11.640 ng
RT: 3.51 min Scan# 72
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion: 88 Resp: 47038
Ion Ratio Lower Upper
88 100
58 68.2 55.2 82.8
43 24.3 19.4 29.0

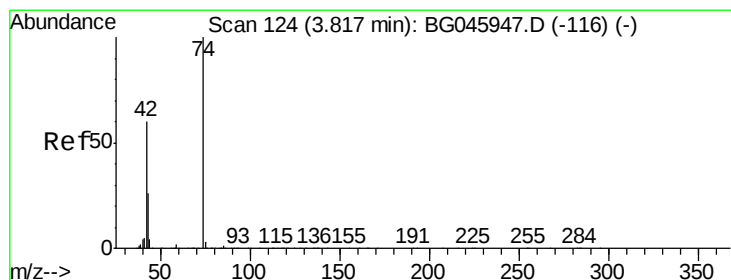
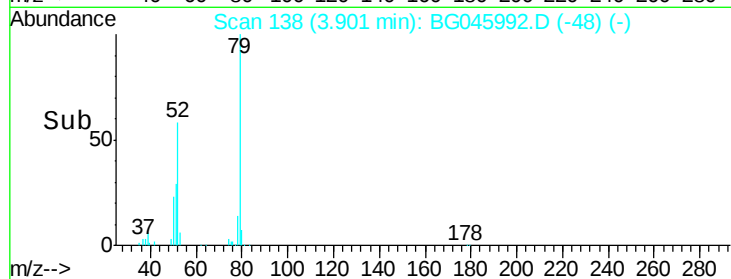
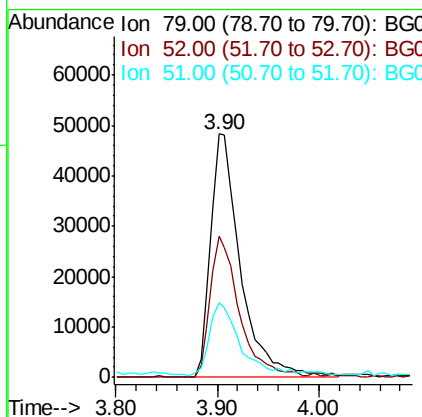
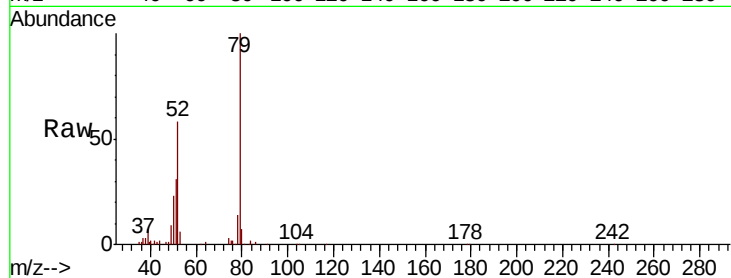




#3
 Pvridine
 Concen: 8.097 ng
 RT: 3.90 min Scan# 138
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

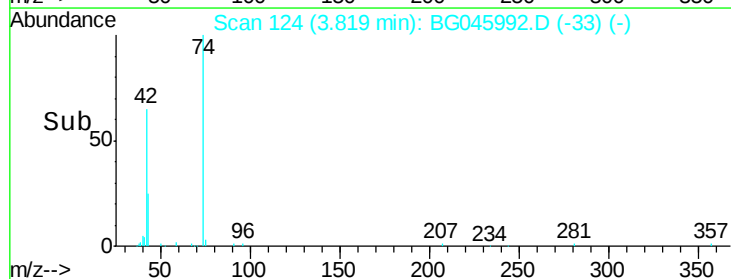
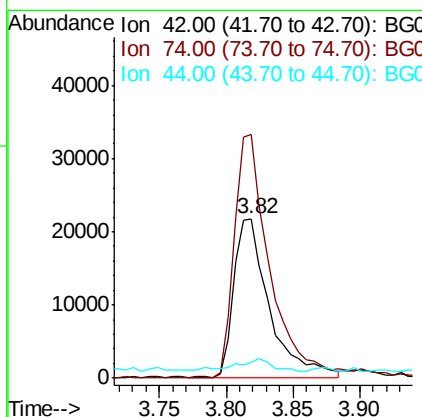
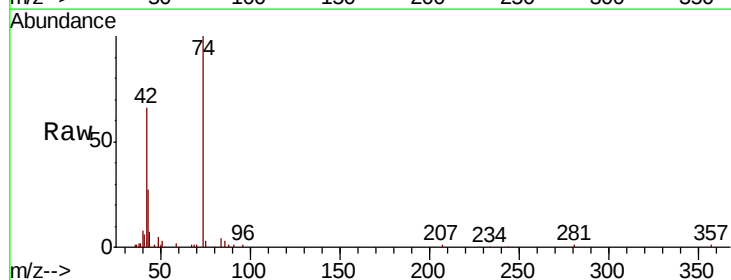
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

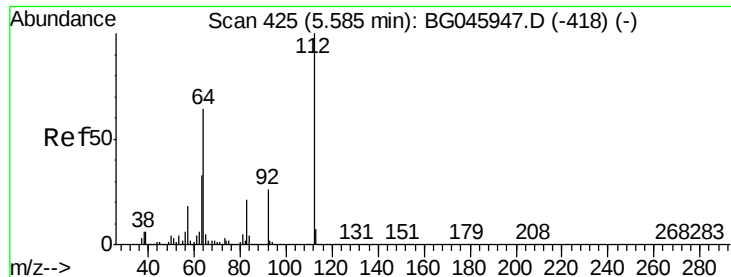
Tot Ion	Ratio	Lower	Upper
79	100		
52	58.2	46.5	69.7
51	30.6	23.5	35.3



#4
 n-Nitrosodimethylamine
 Concen: 9.861 ng
 RT: 3.82 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
42	100		
74	152.4	131.9	197.9
44	10.2	7.7	11.5





#5

2-Fluorophenol

Concen: 97.178 ng

RT: 5.59 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

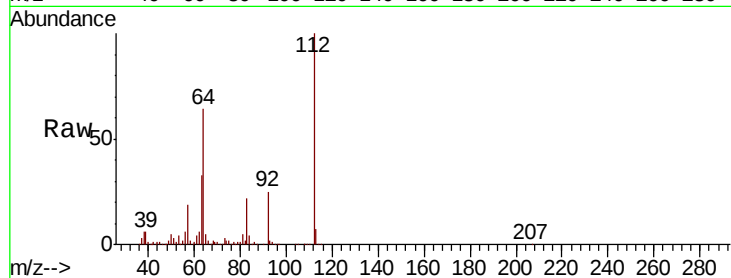
Tot Ion:112 Resp: 851217

Ion Ratio Lower Upper

112 100

64 63.9 51.4 77.2

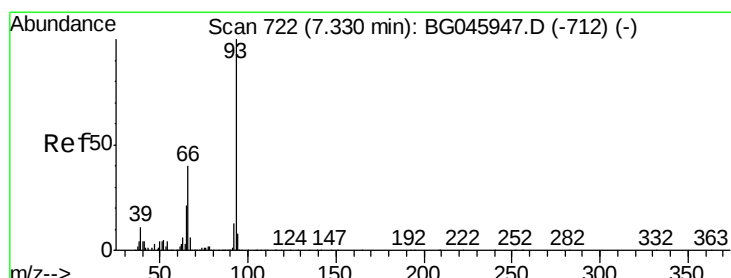
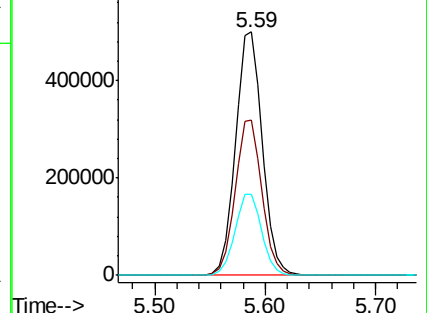
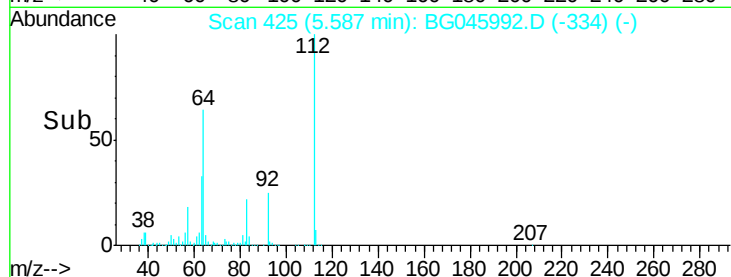
63 33.3 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 9.443 ng

RT: 7.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

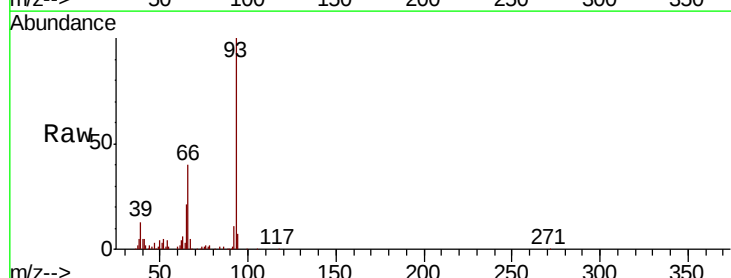
Tgt Ion: 93 Resp: 152336

Ion Ratio Lower Upper

93 100

66 39.6 32.3 48.5

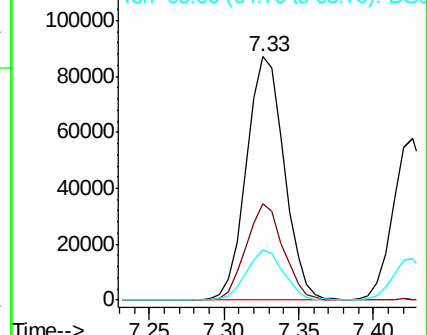
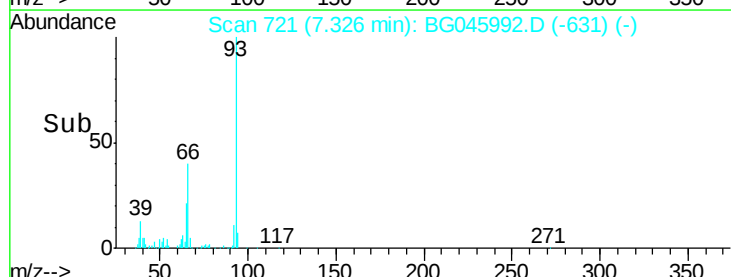
65 20.7 16.6 25.0

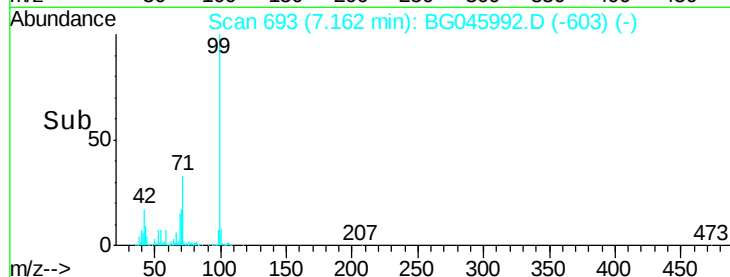
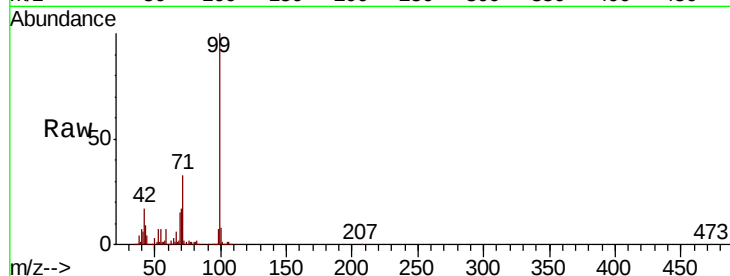
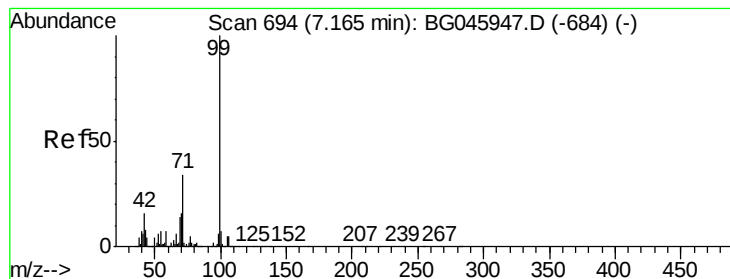


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 98.954 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

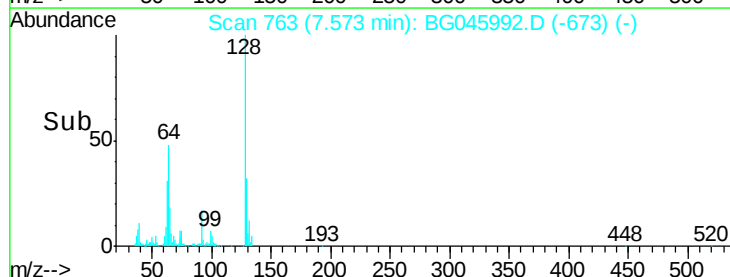
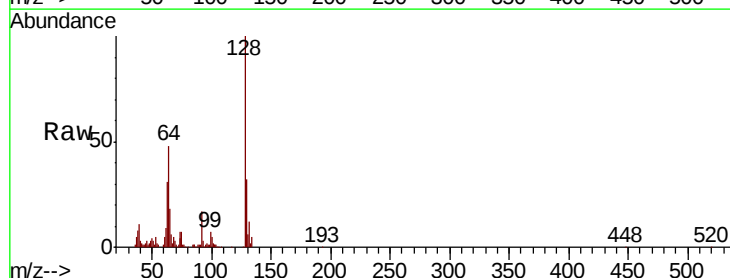
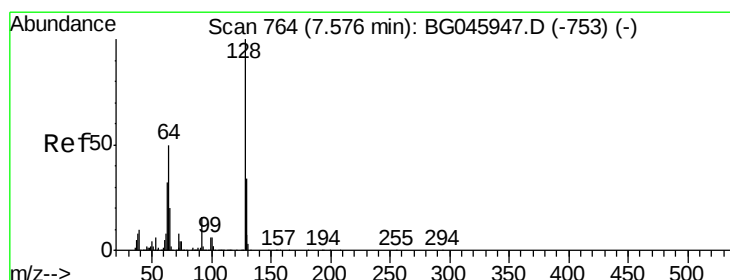
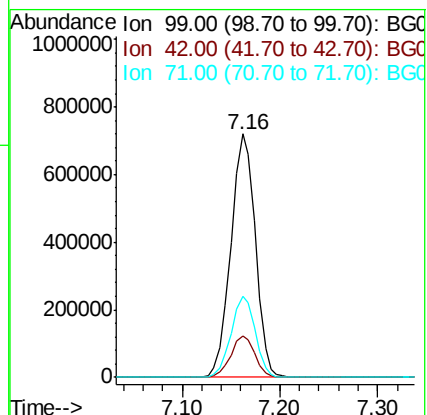
Tot Ion: 99 Resp: 1247913

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.0	19.4
71	33.5	27.5	41.3

99 100

42 16.9 13.0 19.4

71 33.5 27.5 41.3



#8

2-Chlorophenol

Concen: 9.122 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

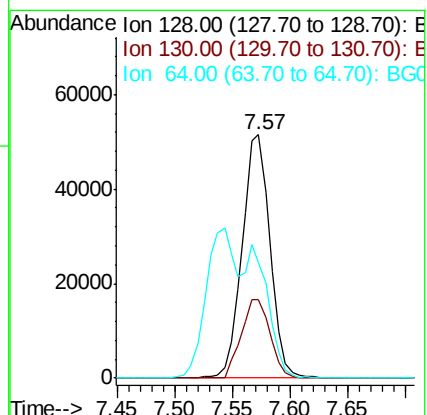
Tgt Ion:128 Resp: 86010

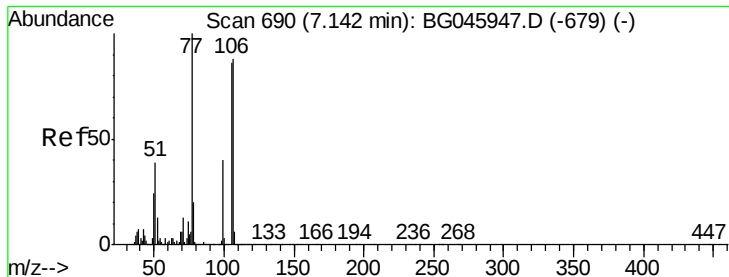
Ion	Ratio	Lower	Upper
128	100		
130	32.0	13.6	53.6
64	47.6	30.6	70.6

128 100

130 32.0 13.6 53.6

64 47.6 30.6 70.6





#9

Benzaldehyde

Concen: 12.533 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

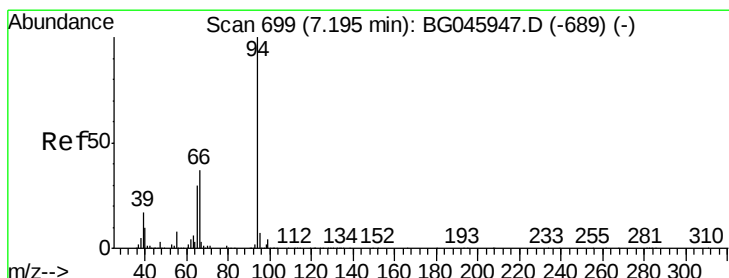
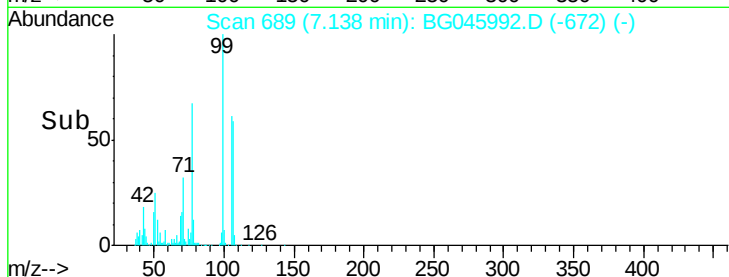
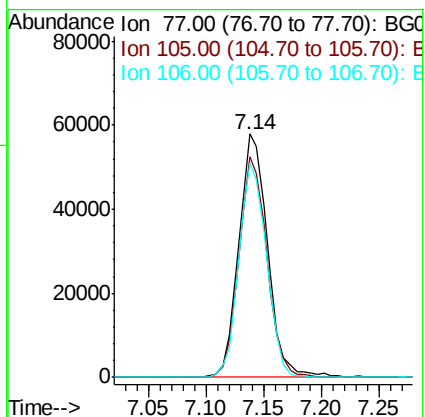
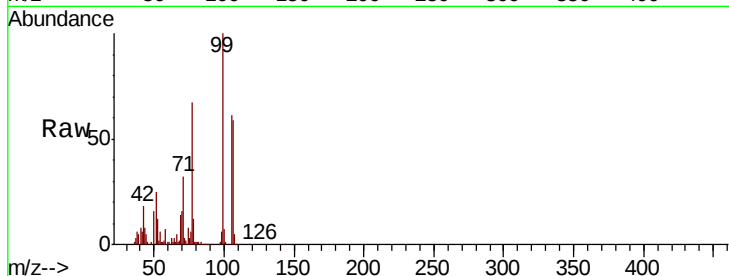
Tot Ion: 77 Resp: 100135

Ion Ratio Lower Upper

77 100

105 90.4 66.0 106.0

106 88.1 67.7 107.7



#10

Phenol

Concen: 9.104 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

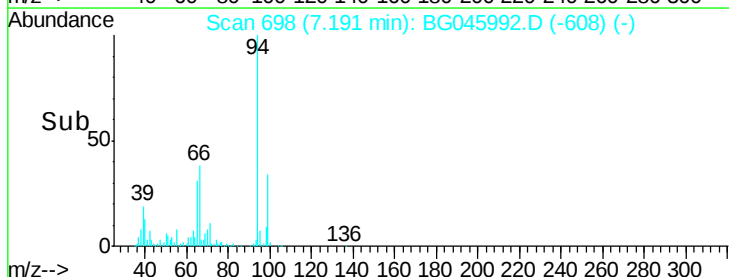
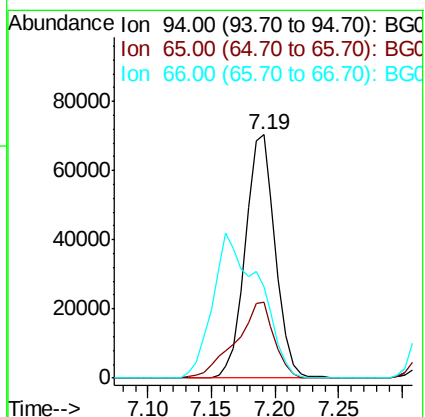
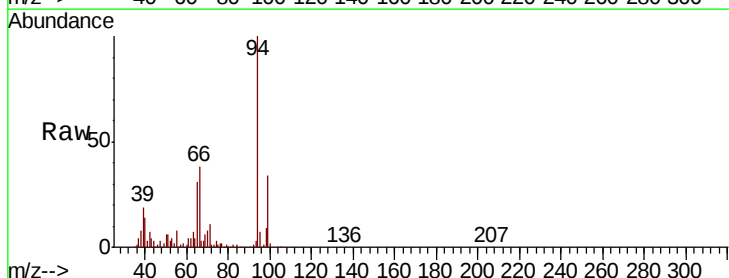
Tgt Ion: 94 Resp: 115166

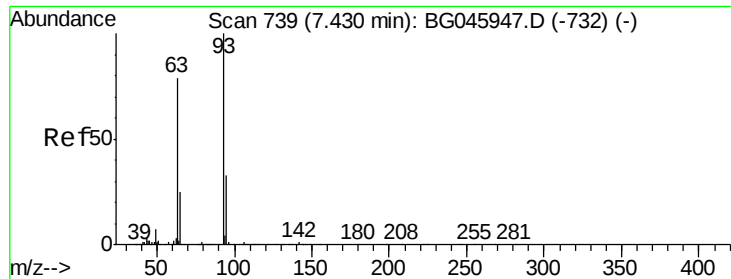
Ion Ratio Lower Upper

94 100

65 31.2 10.6 50.6

66 37.5 17.1 57.1

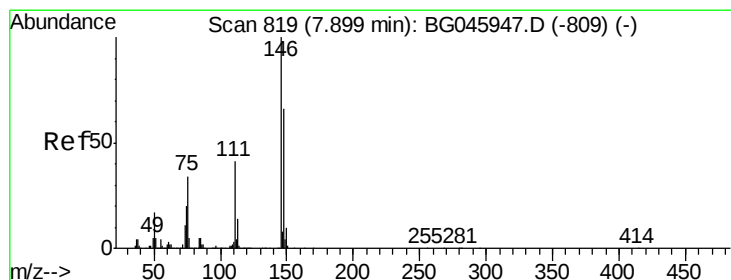
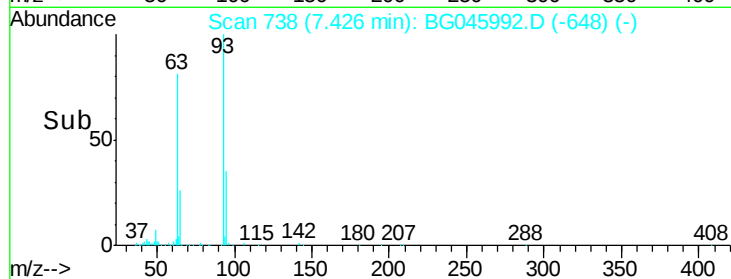
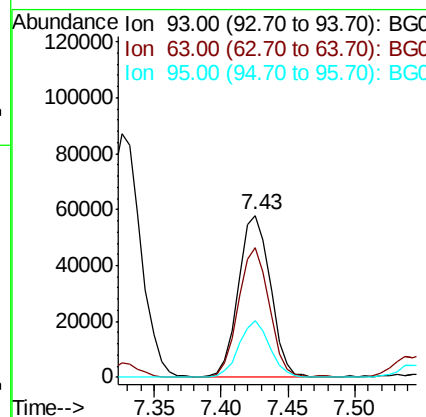
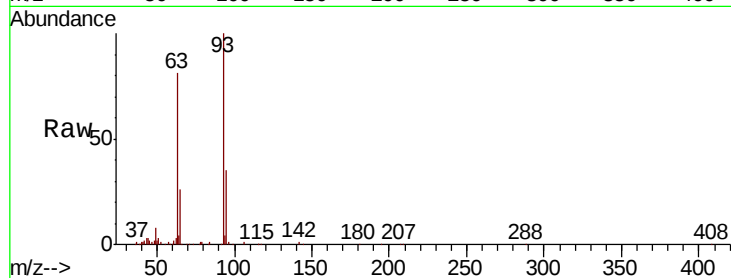




#11
 bis(2-Chloroethyl)ether
 Concen: 9.172 ng
 RT: 7.43 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

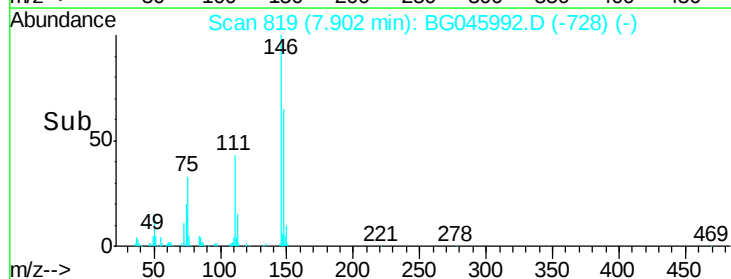
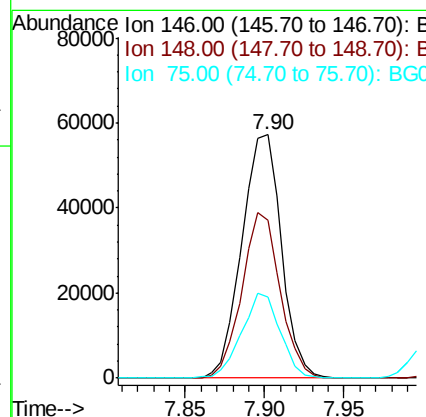
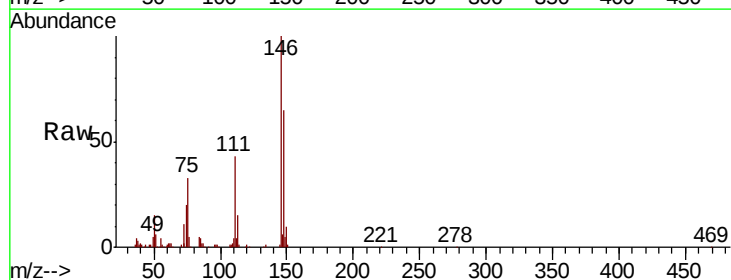
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

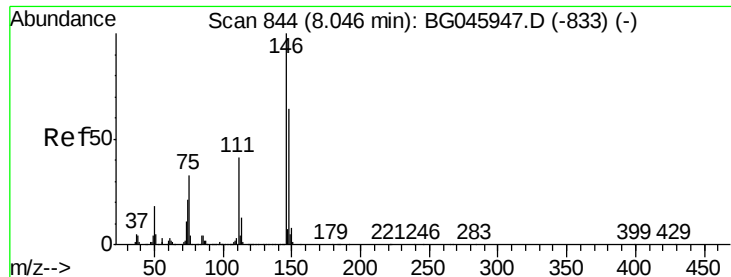
Tot Ion	93	Resp	95945
Ion Ratio	Lower	Upper	
93	100		
63	80.5	58.6	98.6
95	35.3	13.3	53.3



#12
 1,3-Dichlorobenzene
 Concen: 9.123 ng
 RT: 7.90 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	146	Resp	99156
Ion Ratio	Lower	Upper	
146	100		
148	64.7	52.8	79.2
75	33.5	27.2	40.8

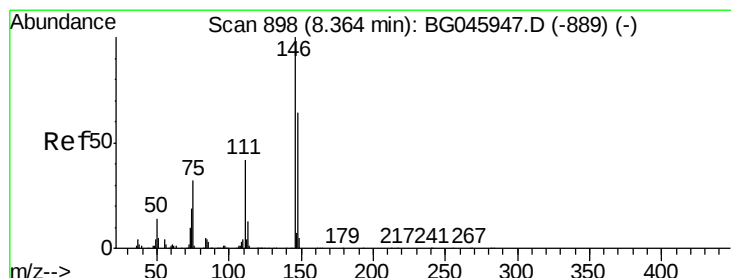
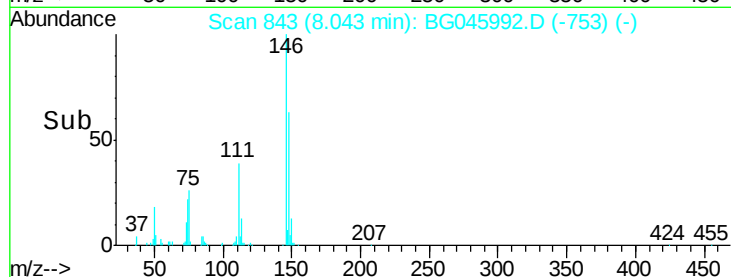
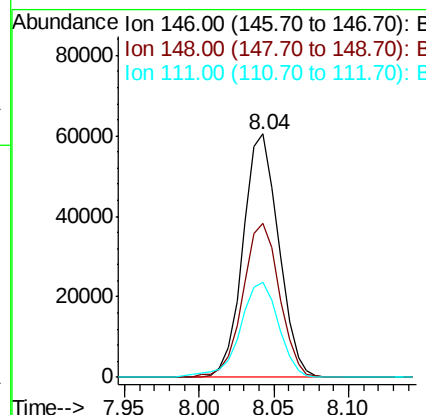
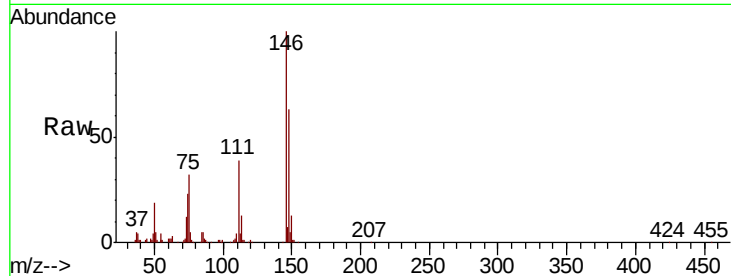




#13
 1,4-Dichlorobenzene
 Concen: 9.338 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

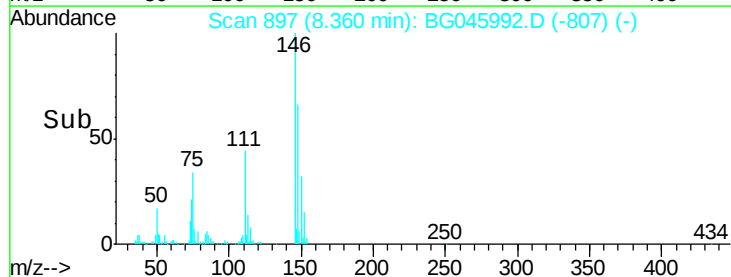
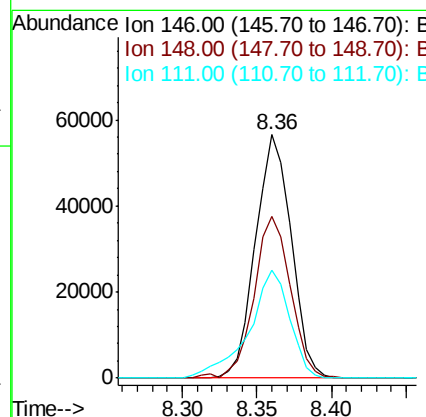
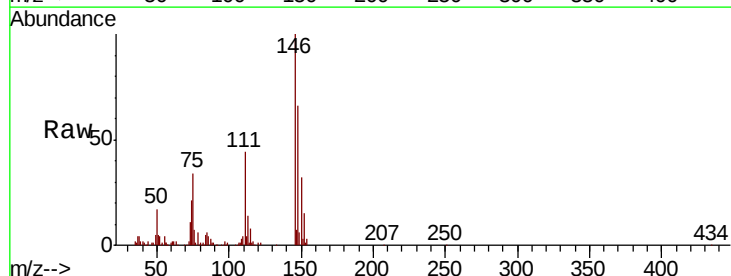
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

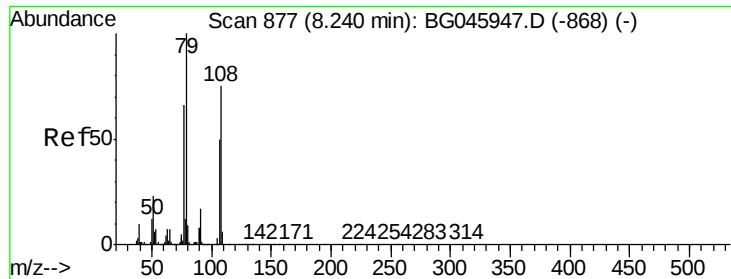
Tot Ion:146 Resp: 99841
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.7 77.5
 111 39.2 33.3 49.9



#14
 1,2-Dichlorobenzene
 Concen: 9.053 ng
 RT: 8.36 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion:146 Resp: 93156
 Ion Ratio Lower Upper
 146 100
 148 66.2 51.6 77.4
 111 44.4 34.0 51.0





#15

Benzyl Alcohol

Concen: 8.776 ng

RT: 8.24 min Scan# 876

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

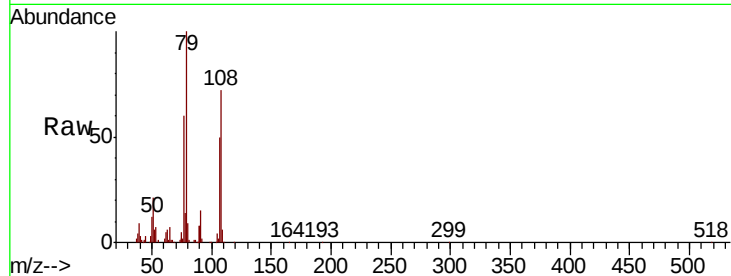
Tot Ion: 79 Resp: 86777

Ion Ratio Lower Upper

79 100

108 72.1 60.2 90.4

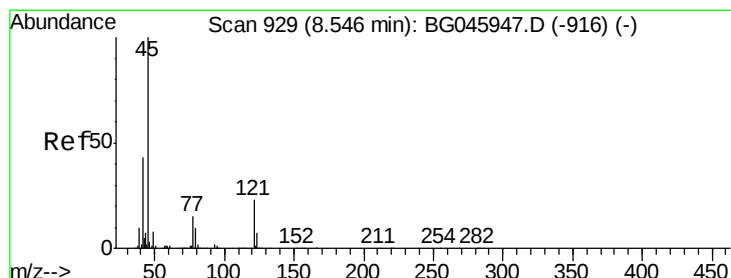
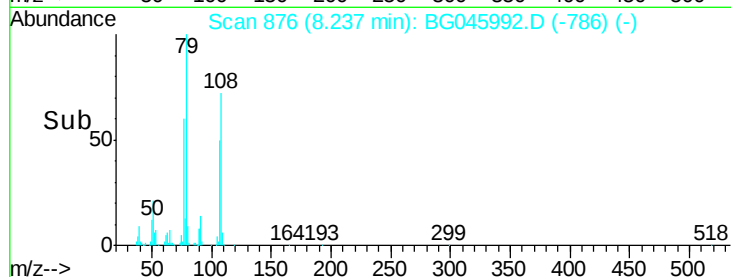
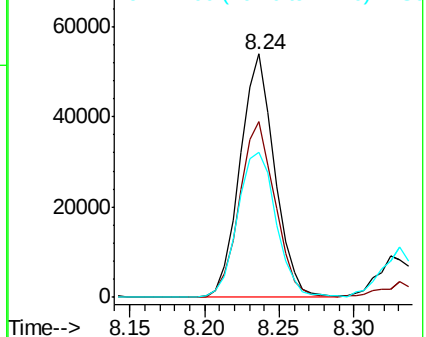
77 59.7 52.9 79.3



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: 8.961 ng

RT: 8.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

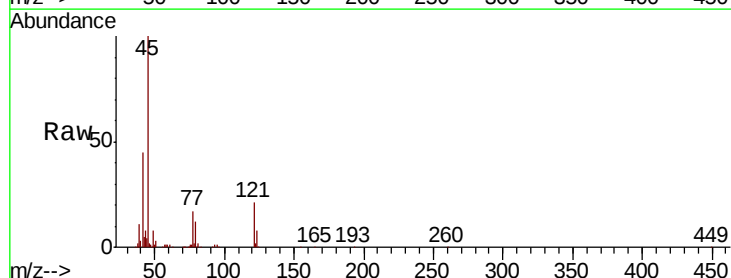
Tgt Ion: 45 Resp: 122298

Ion Ratio Lower Upper

45 100

77 16.6 0.0 37.6

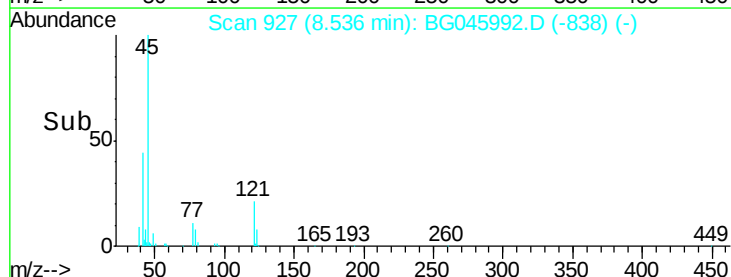
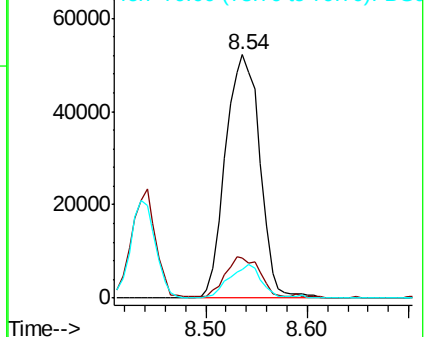
79 11.7 0.0 32.6

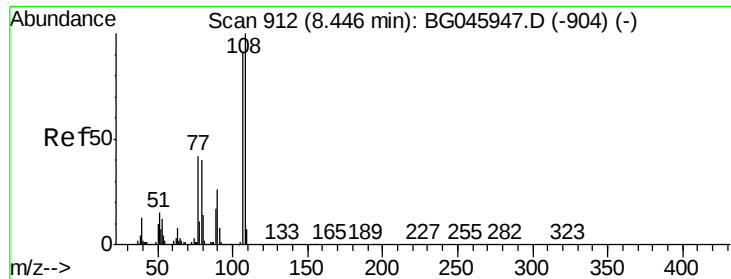


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

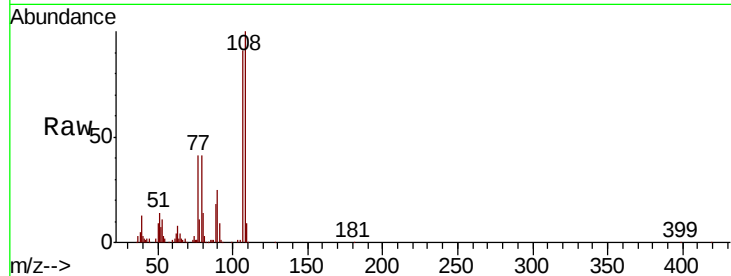




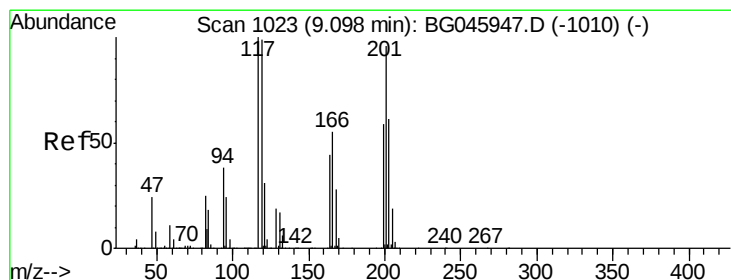
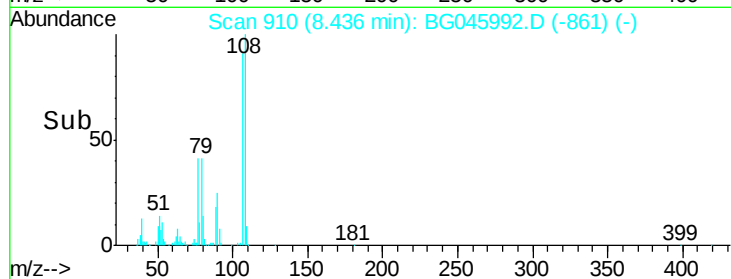
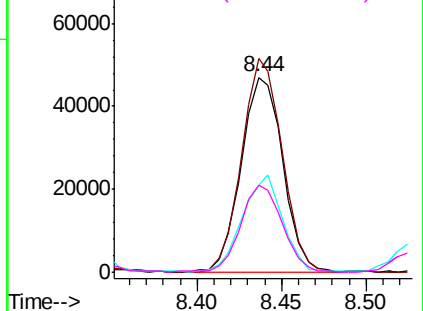
#17
2-Methylphenol
Concen: 8.490 ng
RT: 8.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	107	Resp:	80588
Ion	Ratio	Lower	Upper
107	100		
108	109.7	88.2	132.4
77	44.5	37.0	55.4
79	44.6	35.4	53.0

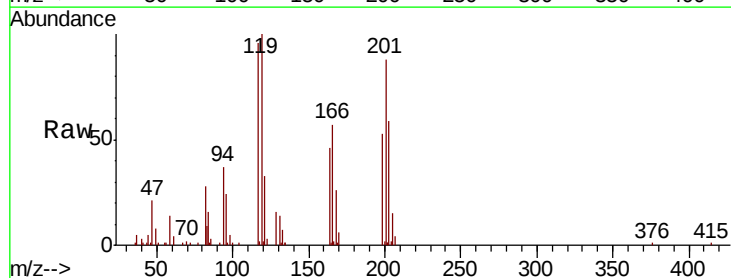


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

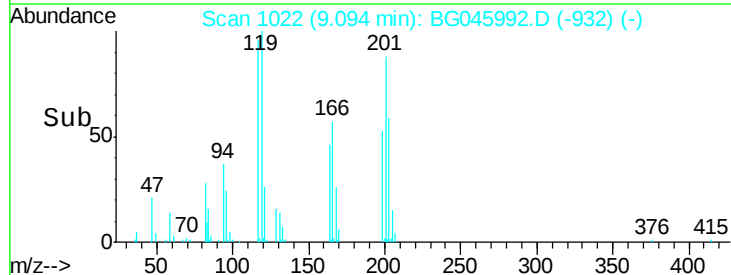
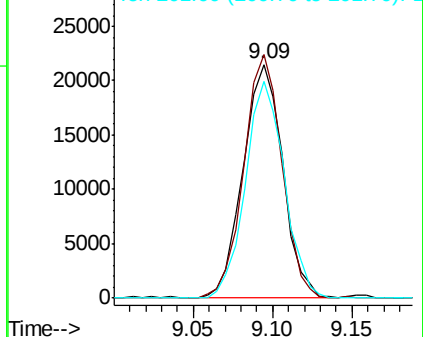


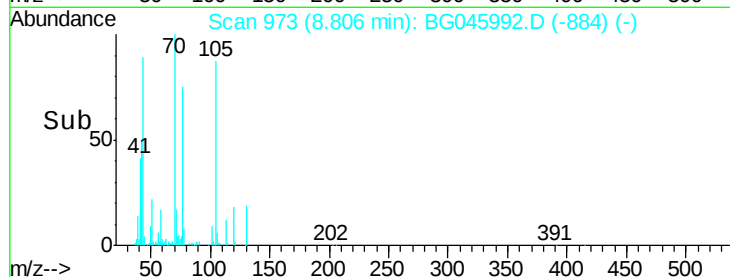
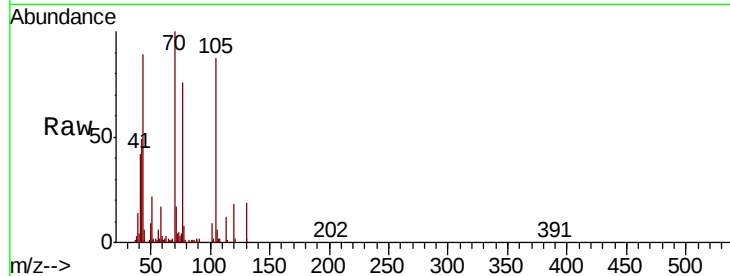
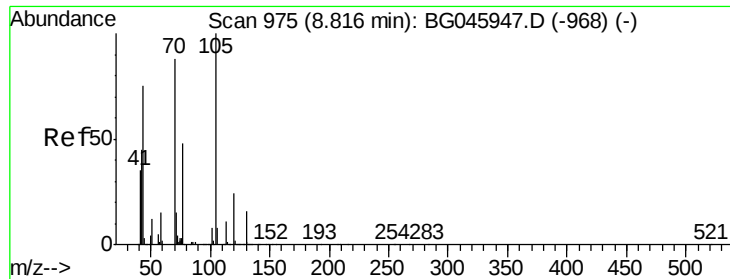
#18
Hexachloroethane
Concen: 9.107 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:	117	Resp:	37466
Ion	Ratio	Lower	Upper
117	100		
119	104.2	79.5	119.3
201	92.7	77.0	115.4



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

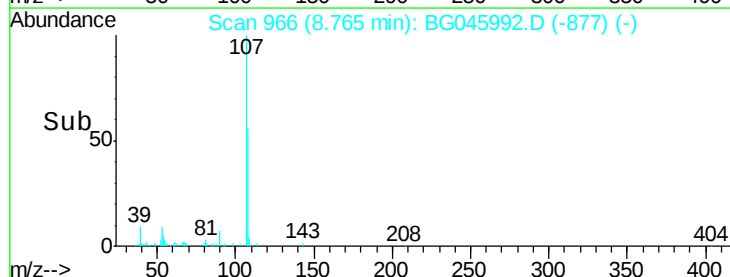
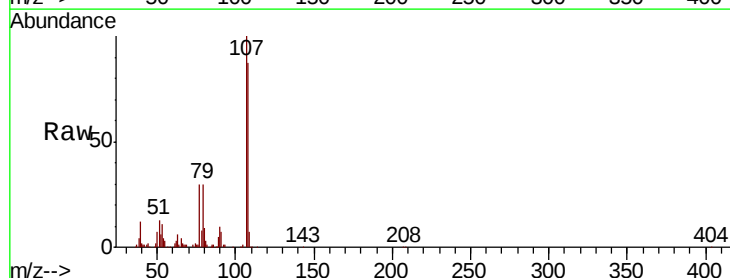
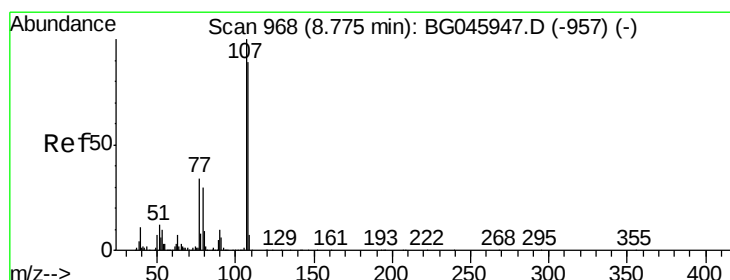
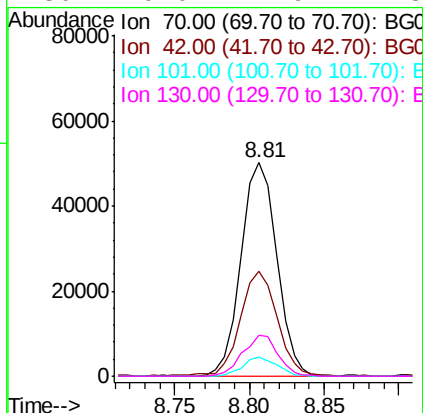




#19
n-Nitroso-di-n-propylamine
Concen: 9.409 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

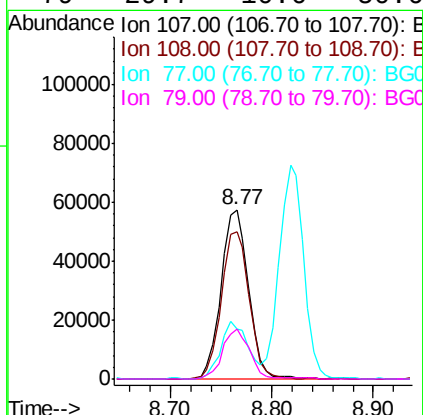
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

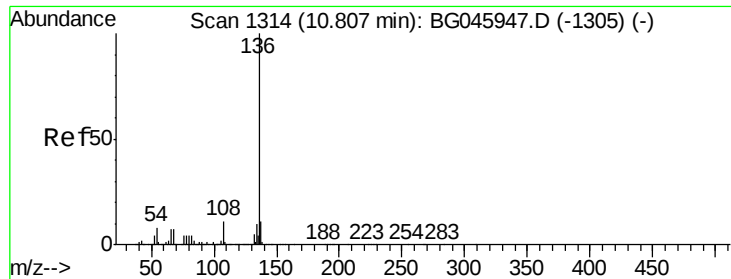
Tot Ion:	70	Resp:	83360
Ion	Ratio	Lower	Upper
70	100		
42	48.9	41.4	62.0
101	8.9	7.1	10.7
130	19.0	14.9	22.3



#20
3+4-Methylphenols
Concen: 8.368 ng
RT: 8.77 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:	107	Resp:	108253
Ion	Ratio	Lower	Upper
107	100		
108	87.1	68.7	108.7
77	29.8	14.6	54.6
79	29.7	10.6	50.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:136 Resp: 582463

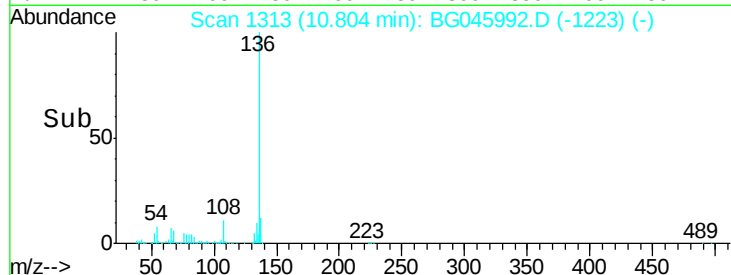
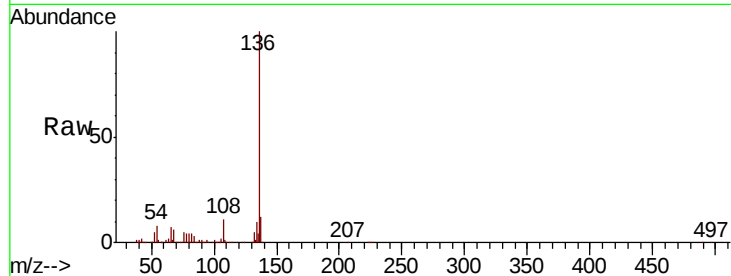
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 8.4 6.2 9.4

68 6.4 5.8 8.8

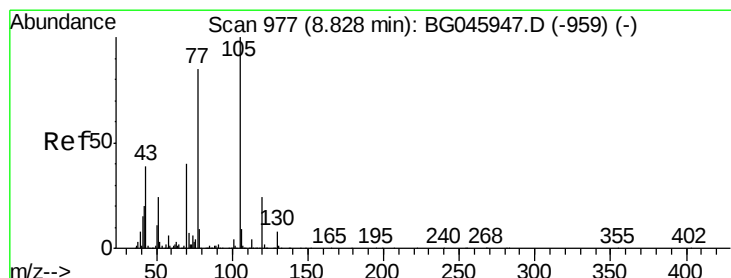
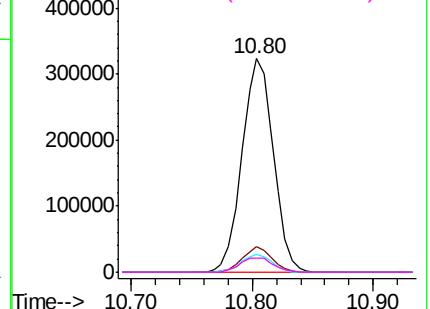


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#22

Acetophenone

Concen: 9.708 ng

RT: 8.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:105 Resp: 151061

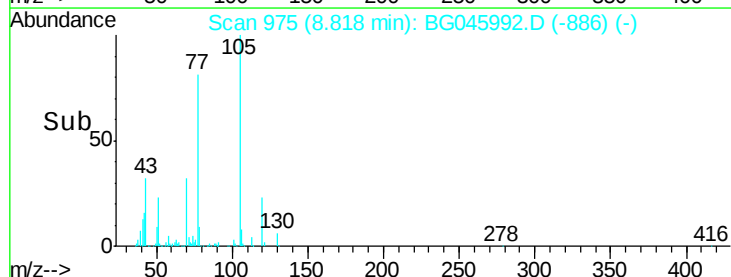
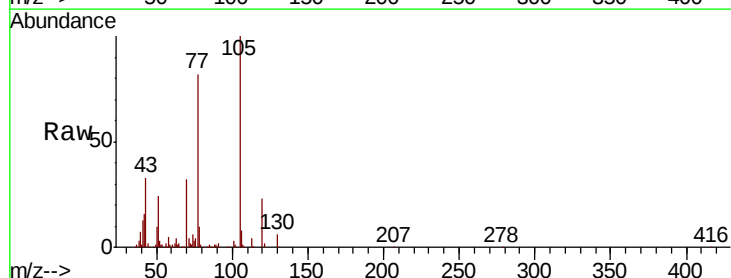
Ion Ratio Lower Upper

105 100

71 4.4 6.2 9.2#

51 23.6 19.7 29.5

120 23.4 19.2 28.8

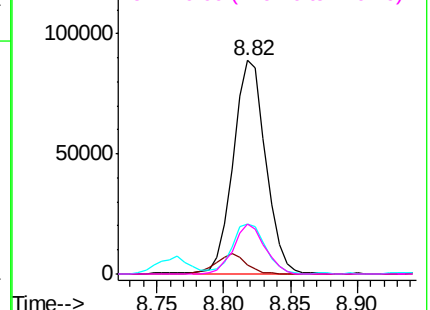


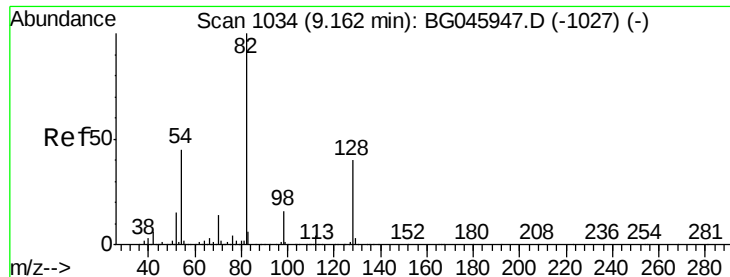
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E

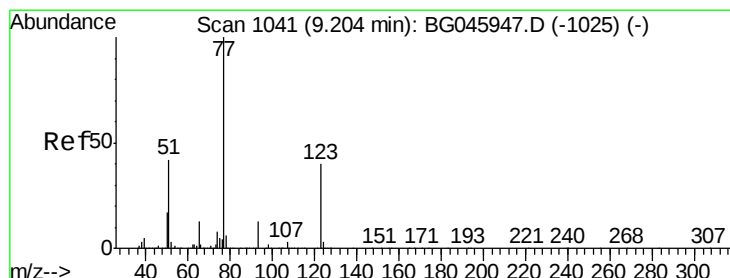
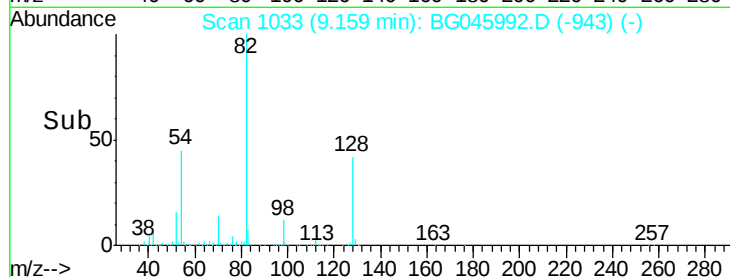
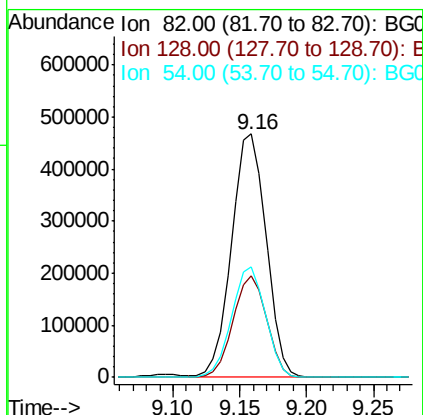
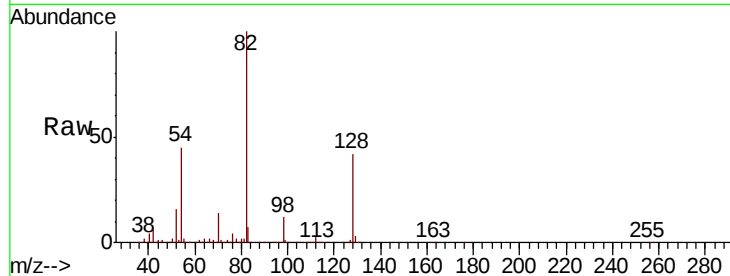




#23
Nitrobenzene-d5
Concen: 83.125 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

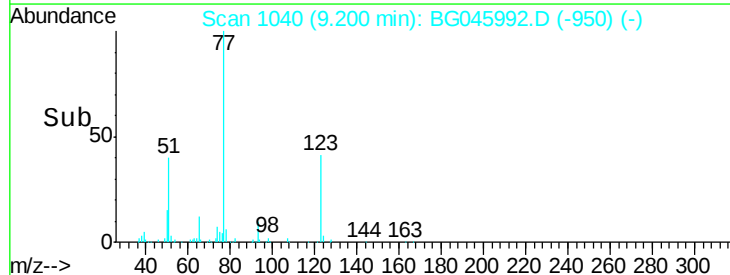
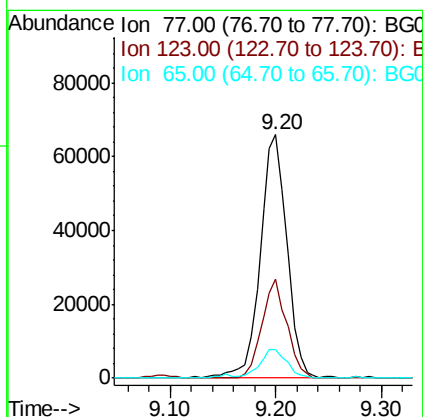
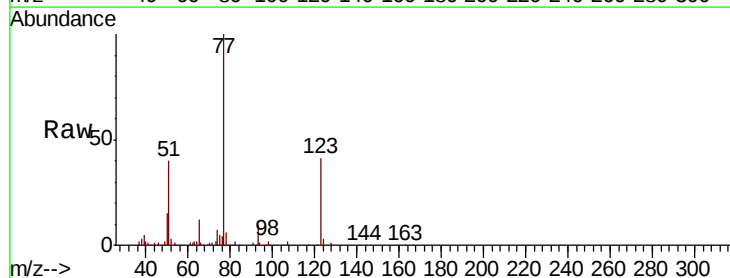
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

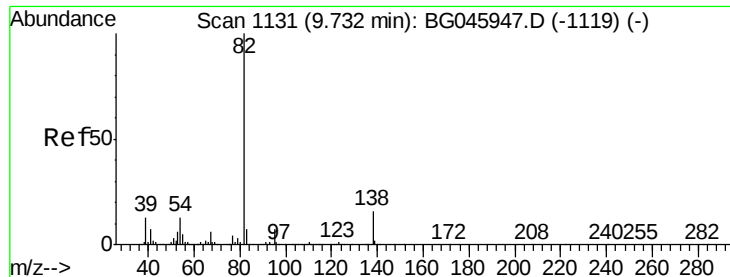
Tot Ion	82	Resp	841193
Ion Ratio	Lower	Upper	
82	100		
128	41.9	32.2	48.4
54	45.2	35.8	53.6



#24
Nitrobenzene
Concen: 10.364 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	77	Resp	115759
Ion Ratio	Lower	Upper	
77	100		
123	40.5	32.7	49.1
65	11.6	10.2	15.4





#25

Isophorone

Concen: 8.842 ng

RT: 9.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

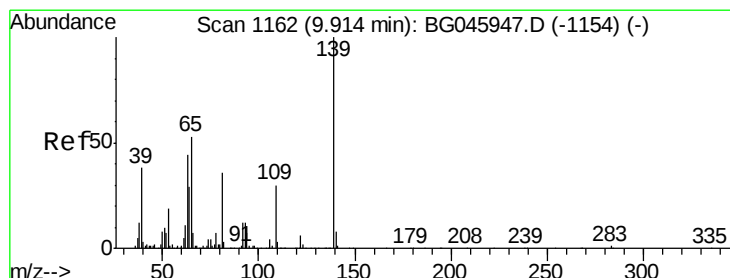
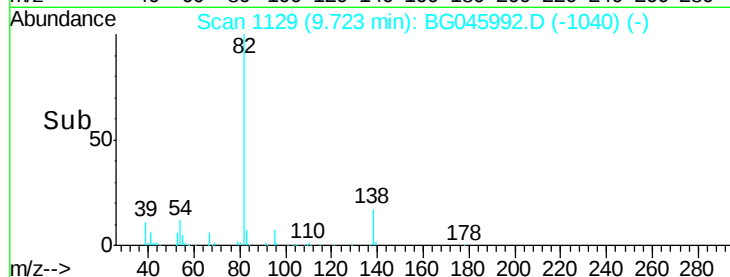
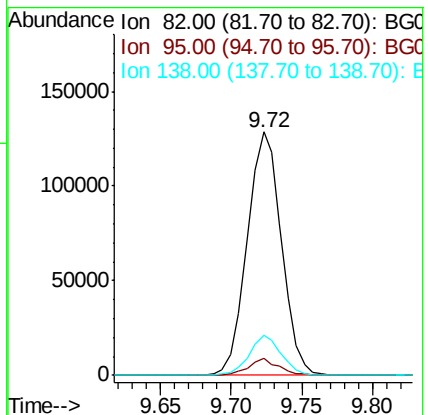
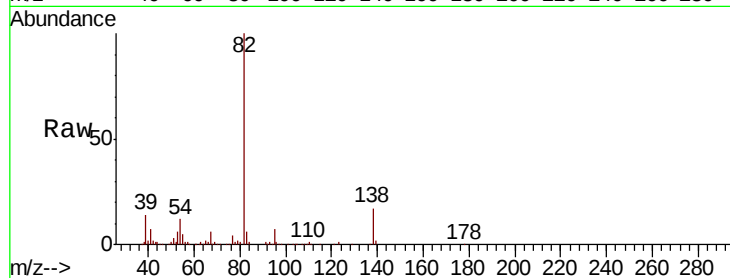
Tot Ion: 82 Resp: 218423

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

138 16.7 12.9 19.3



#26

2-Nitrophenol

Concen: 9.446 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

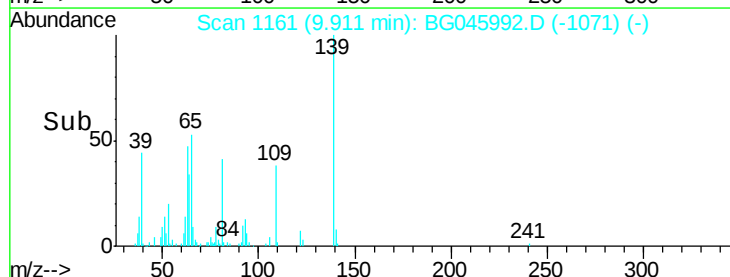
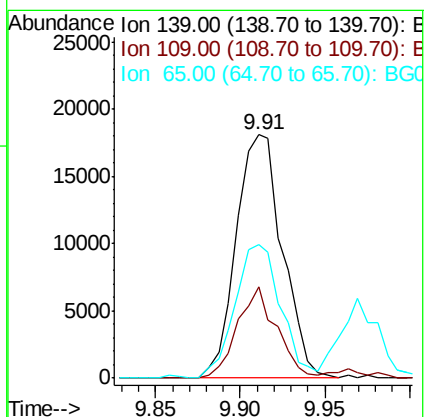
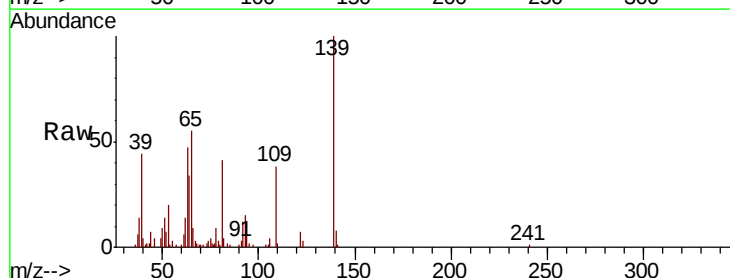
Tgt Ion: 139 Resp: 34389

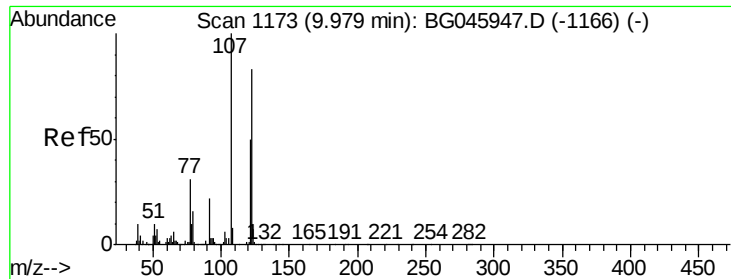
Ion Ratio Lower Upper

139 100

109 37.6 24.6 37.0#

65 54.6 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 9.297 ng

RT: 9.97 min Scan# 1171

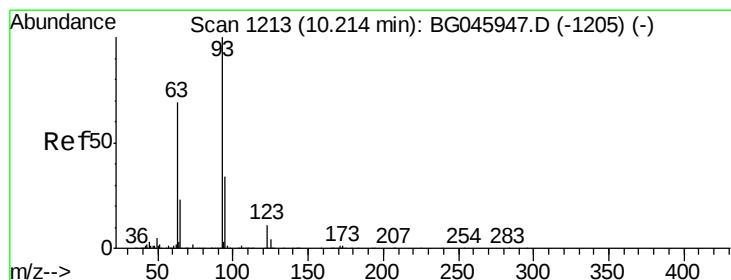
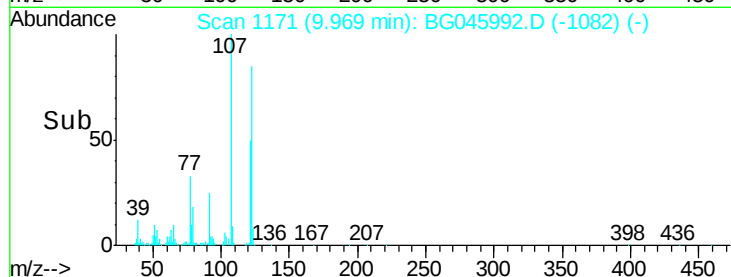
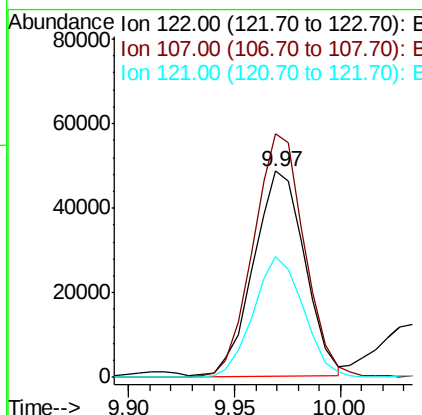
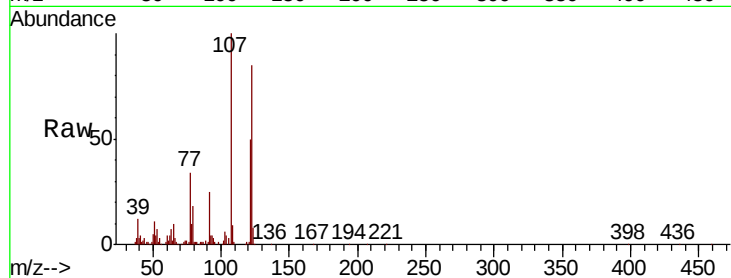
Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	118.0	95.6	143.4
121	58.7	47.7	71.5



#28

bis(2-Chloroethoxy)methane

Concen: 9.268 ng

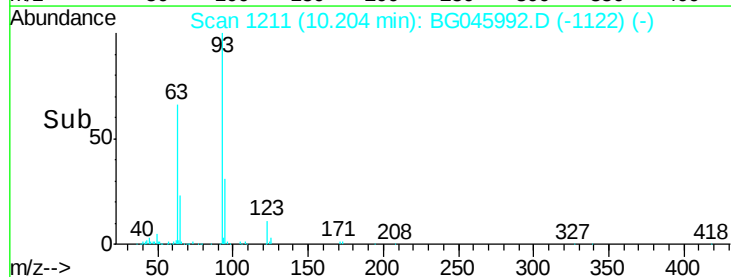
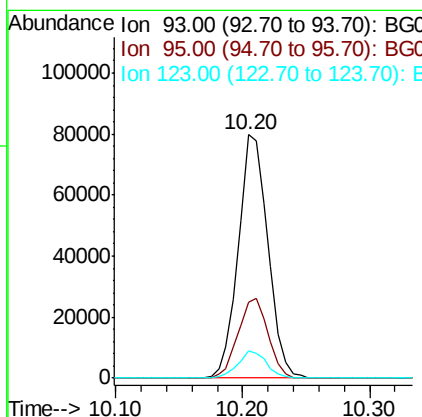
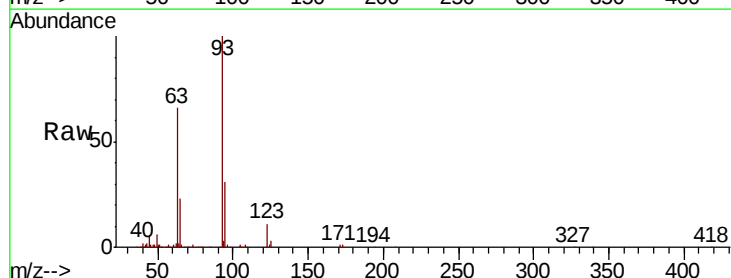
RT: 10.20 min Scan# 1211

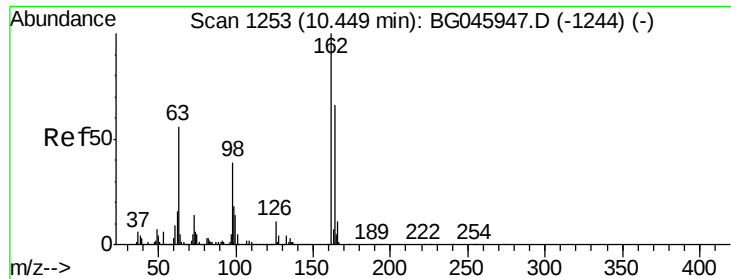
Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.2	27.5	41.3
123	11.0	9.2	13.8

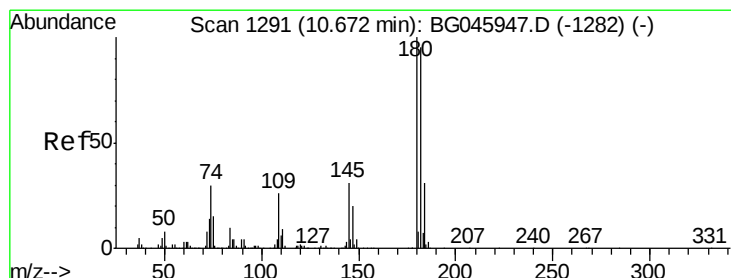
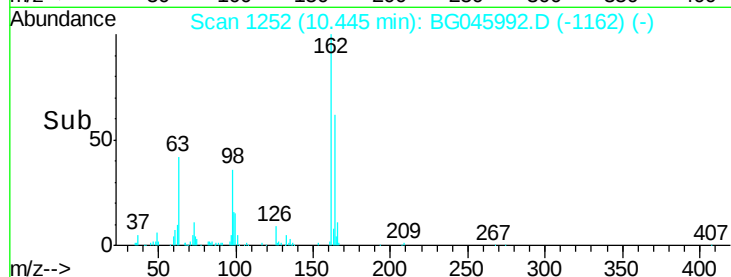
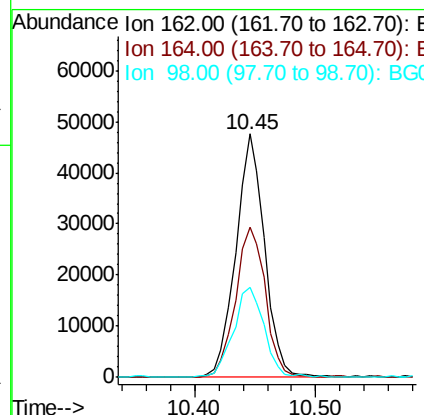
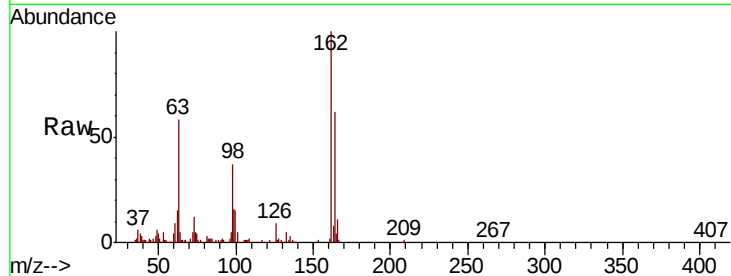




#29
 2,4-Dichlorophenol
 Concen: 8.670 ng
 RT: 10.45 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

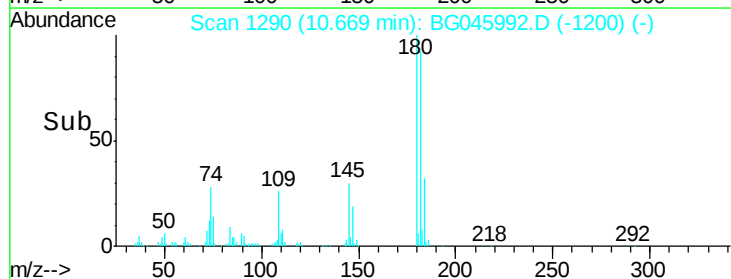
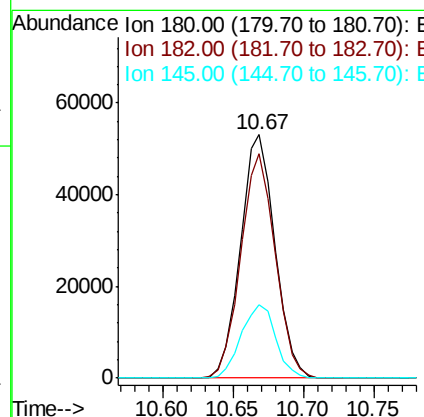
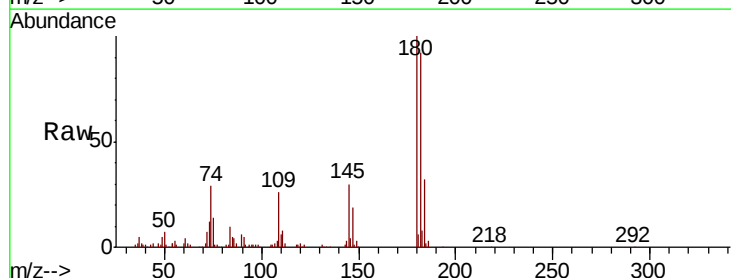
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

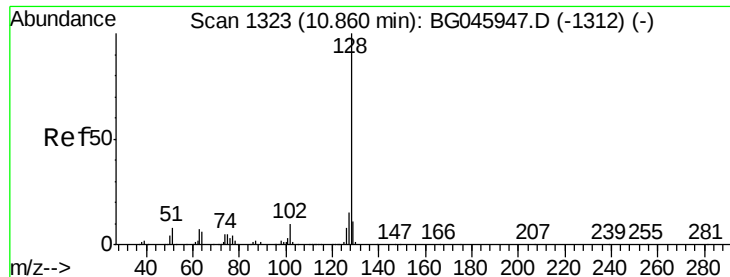
Tot Ion	162	Resp	78923
Ion Ratio	Lower	Upper	
162	100		
164	61.6	46.0	86.0
98	36.9	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 8.980 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	180	Resp	90576
Ion Ratio	Lower	Upper	
180	100		
182	92.1	76.3	114.5
145	30.1	24.8	37.2

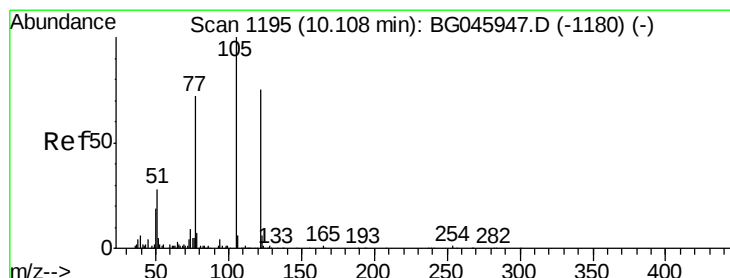
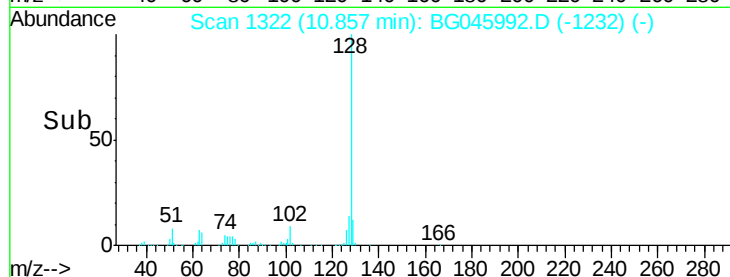
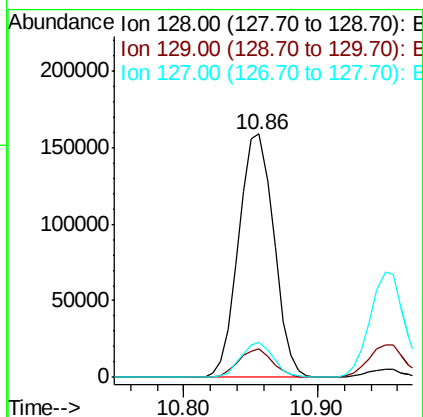
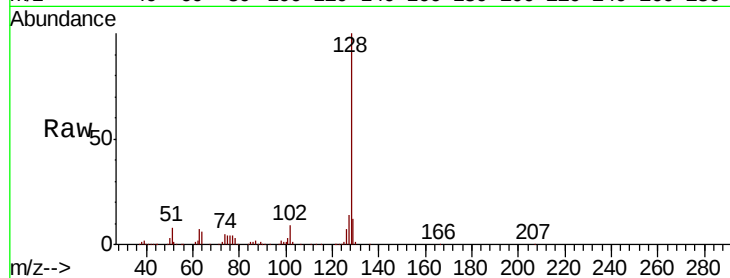




#31
Naphthalene
Concen: 9.310 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

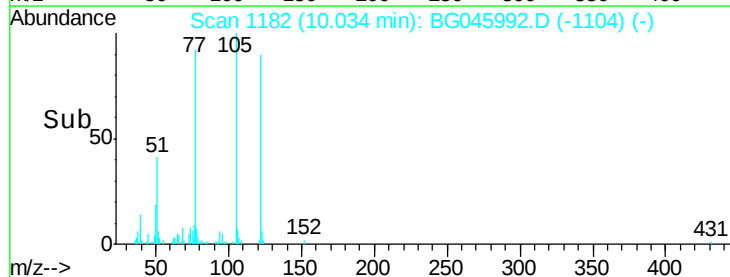
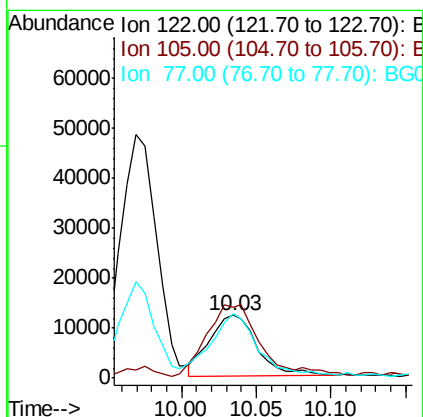
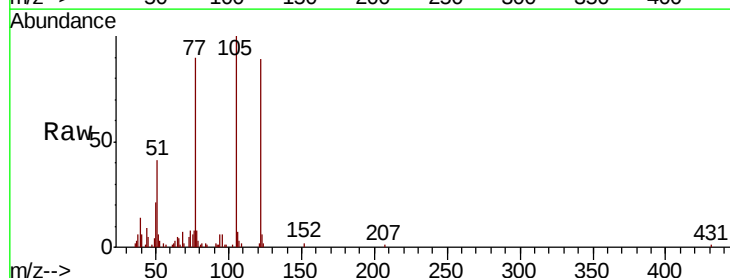
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

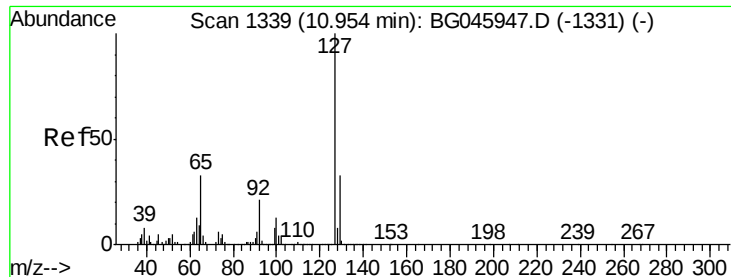
Tot Ion:128 Resp: 290692
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 14.1 11.8 17.6



#32
Benzoic acid
Concen: 5.656 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.07 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:122 Resp: 26933
Ion Ratio Lower Upper
122 100
105 112.6 110.8 150.8
77 101.8 76.4 116.4

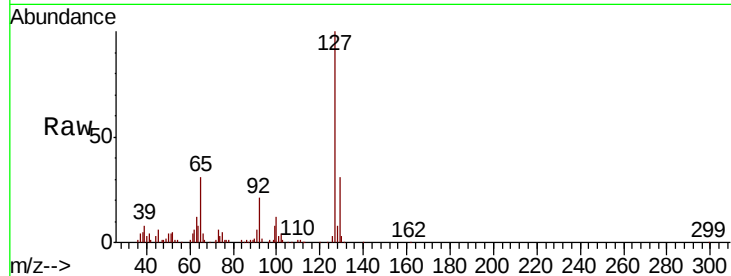




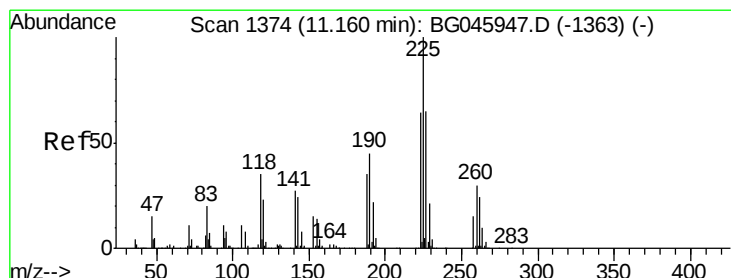
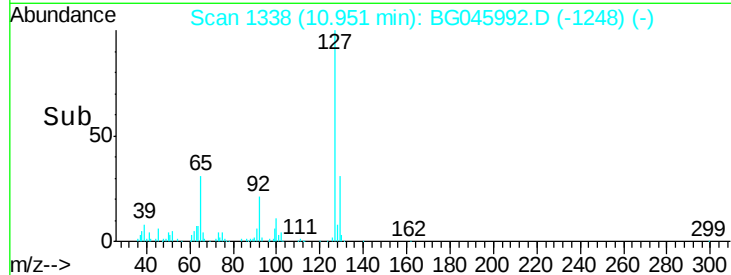
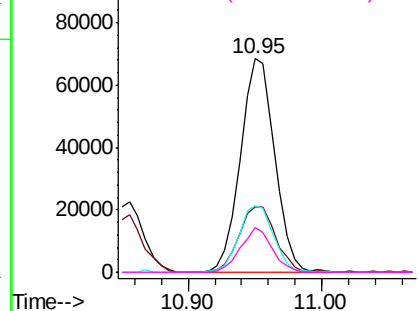
#33
4-Chloroaniline
Concen: 8.711 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	127	Resp:	121544
Ion	Ratio	Lower	Upper
127	100		
129	30.8	26.6	39.8
65	31.4	26.8	40.2
92	20.7	17.0	25.4

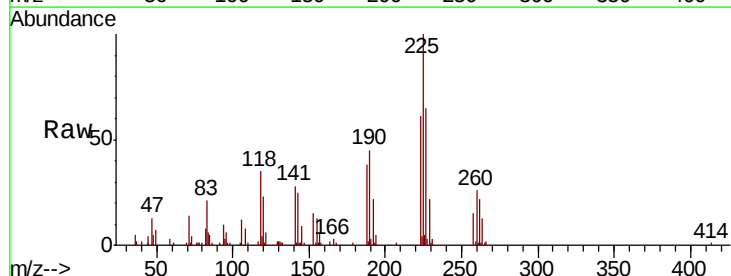


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

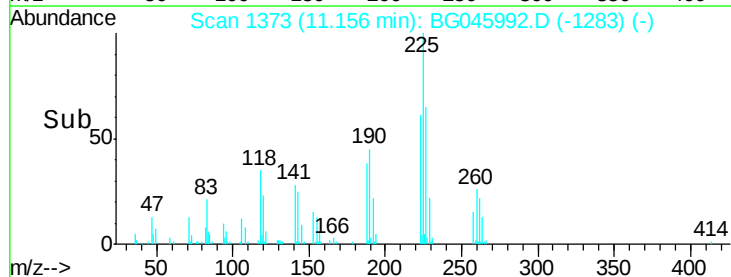
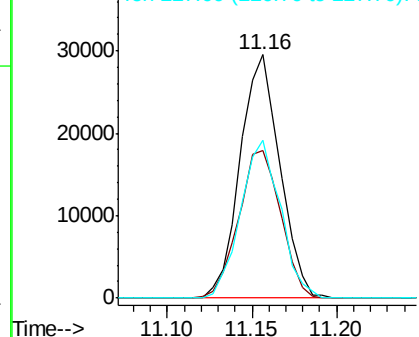


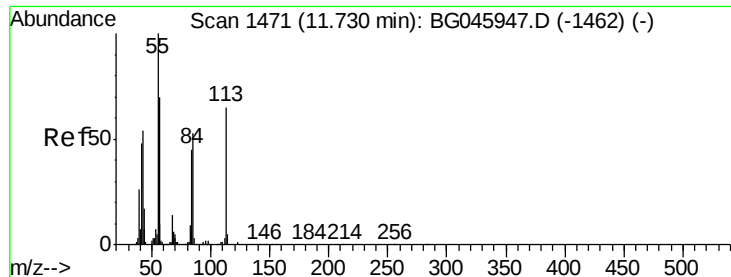
#34
Hexachlorobutadiene
Concen: 8.201 ng
RT: 11.16 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:	225	Resp:	48294
Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.2	76.8
227	64.8	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

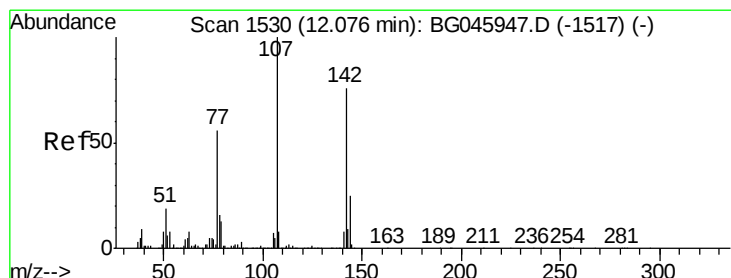
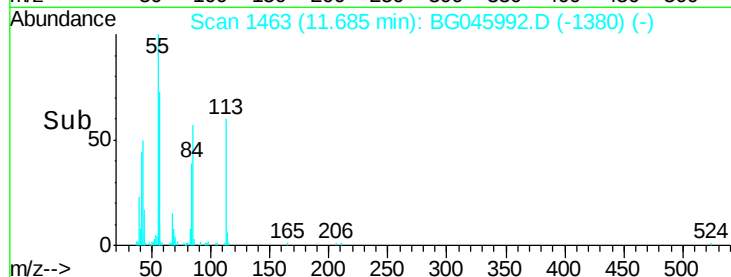
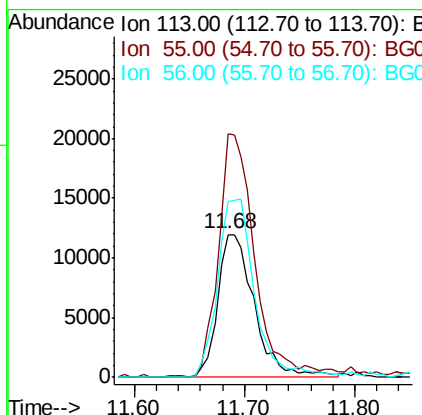
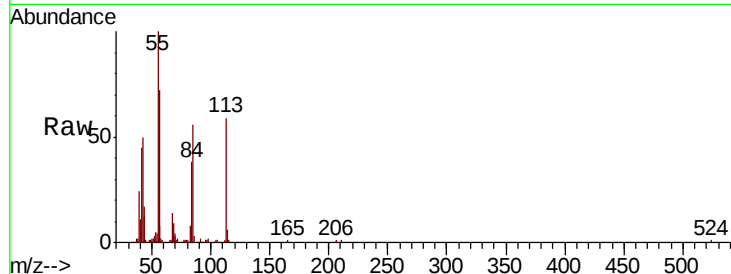




#35
 Caprolactam
 Concen: 7.997 ng
 RT: 11.68 min Scan# 1463
 Delta R.T. -0.04 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

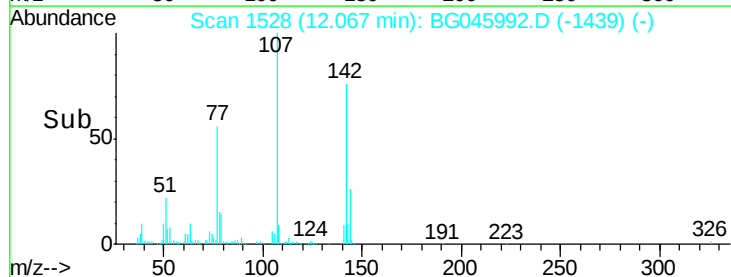
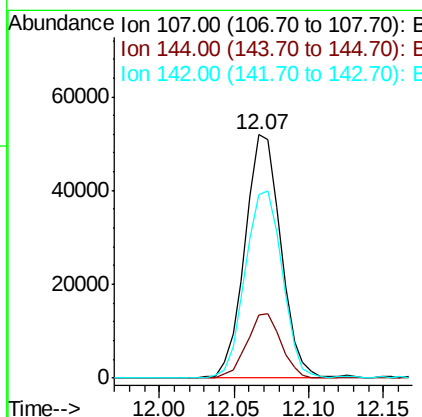
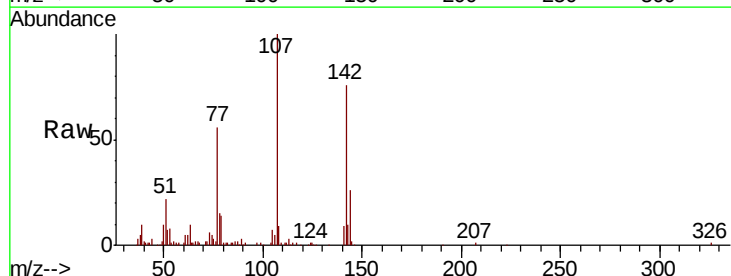
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

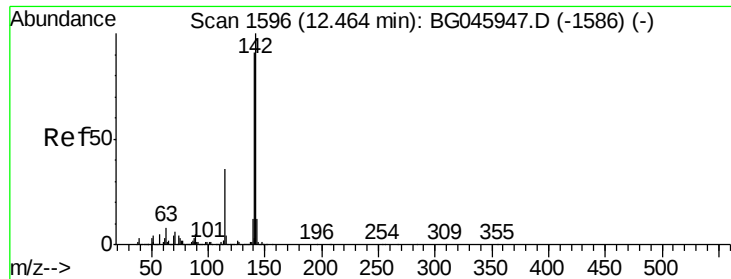
Tot Ion:113 Resp: 27638
 Ion Ratio Lower Upper
 113 100
 55 170.3 141.6 181.6
 56 123.2 89.6 129.6



#36
 4-Chloro-3-methylphenol
 Concen: 8.328 ng
 RT: 12.07 min Scan# 1528
 Delta R.T. -0.01 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion:107 Resp: 86345
 Ion Ratio Lower Upper
 107 100
 144 25.8 20.0 30.0
 142 75.5 61.1 91.7

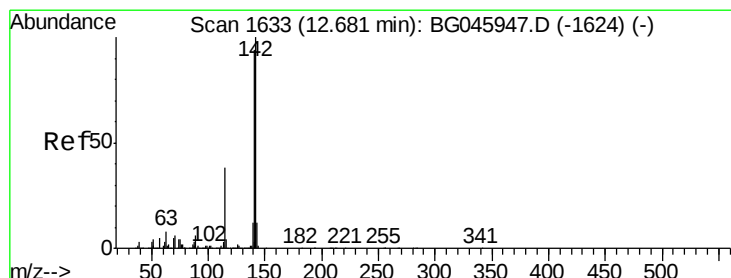
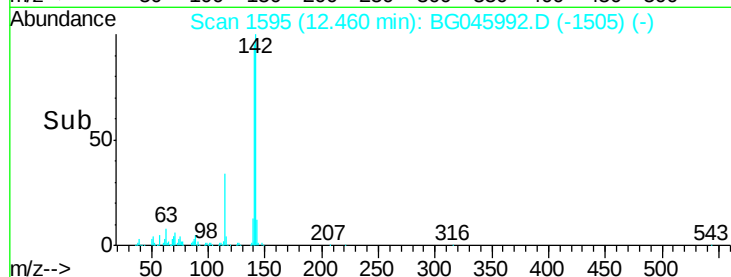
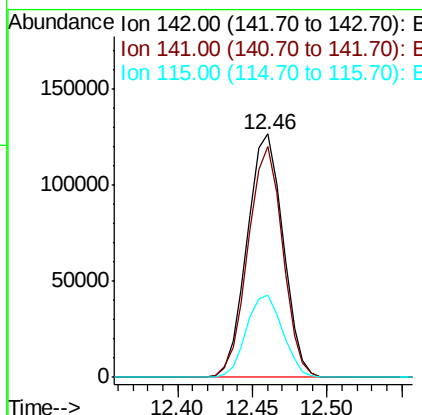
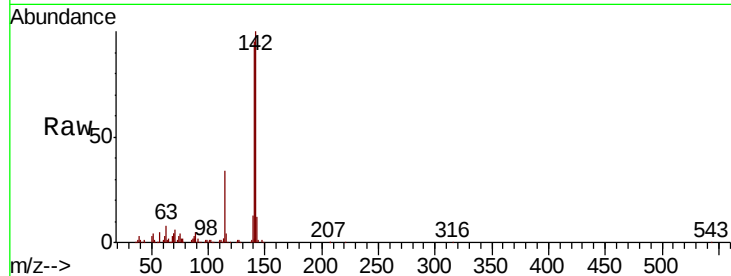




#37
2-Methylnaphthalene
Concen: 9.490 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

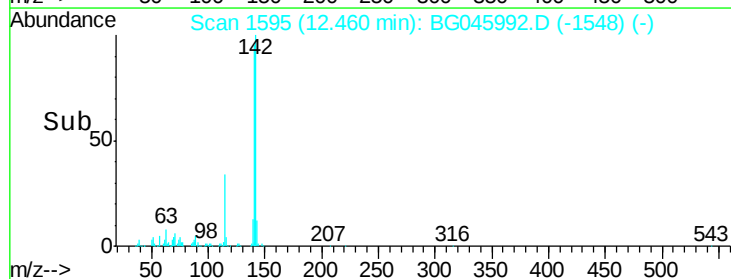
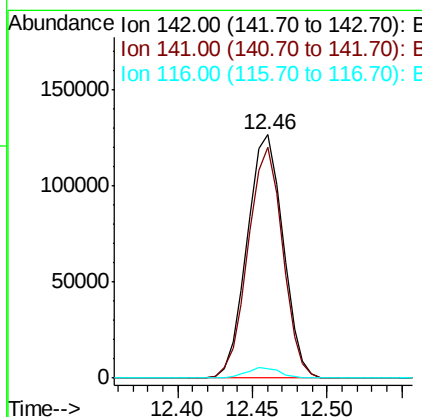
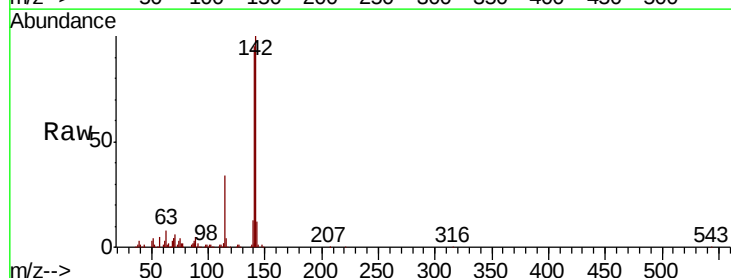
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

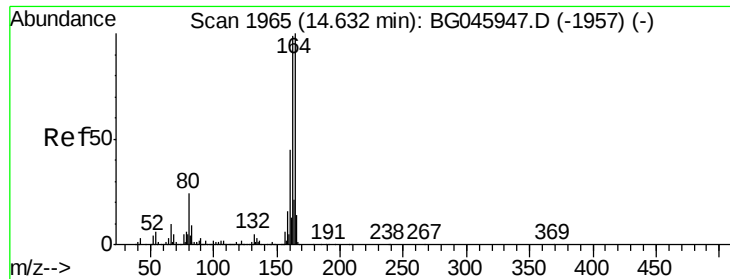
Tot Ion	Ratio	Lower	Upper
142	100		
141	95.0	73.0	109.6
115	33.8	28.8	43.2



#38
1-Methylnaphthalene
Concen: 10.056 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.22 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.0	75.2	112.8
116	3.7	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

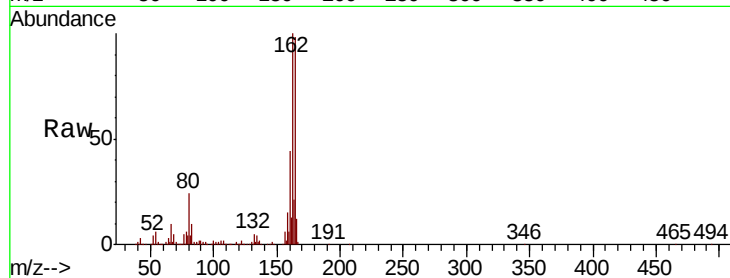
Tot Ion:164 Resp: 349188

Ion Ratio Lower Upper

164 100

162 101.8 79.3 118.9

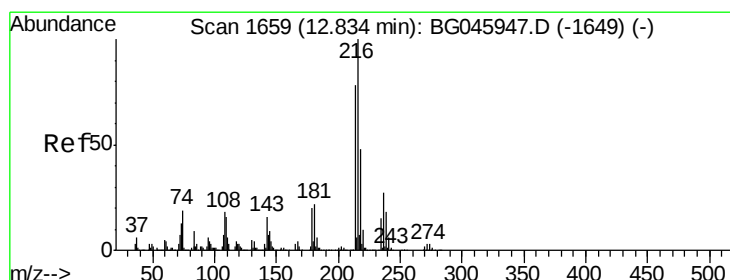
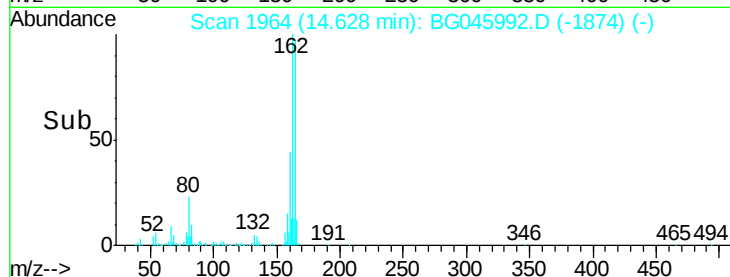
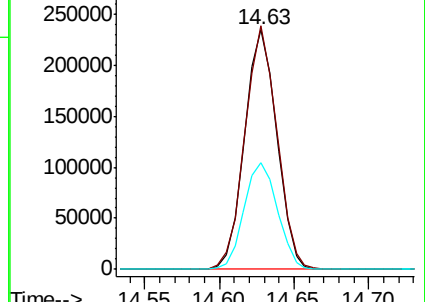
160 44.7 35.7 53.5



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: 9.682 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:216 Resp: 95303

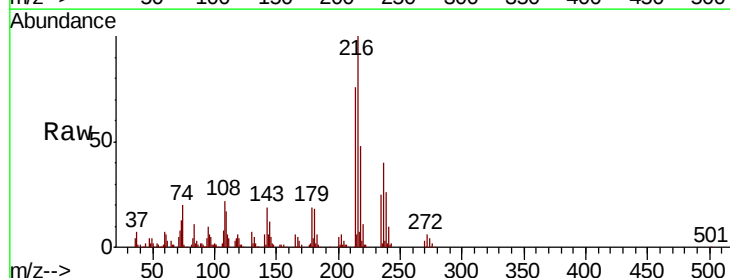
Ion Ratio Lower Upper

216 100

214 78.0 63.0 94.4

179 20.7 17.0 25.6

108 21.7 17.3 25.9

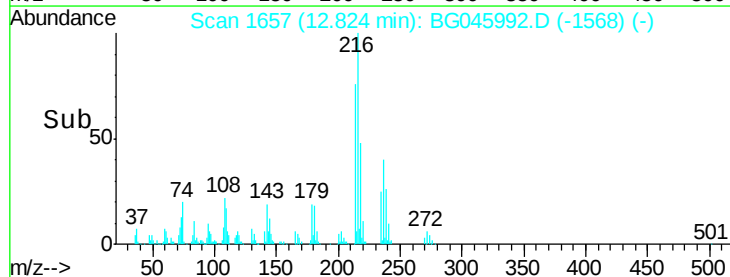
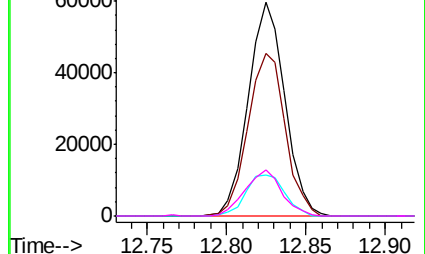


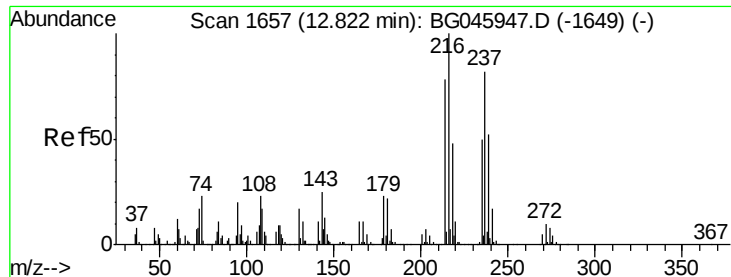
Abundance Ion 216.00 (215.70 to 216.70): E

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

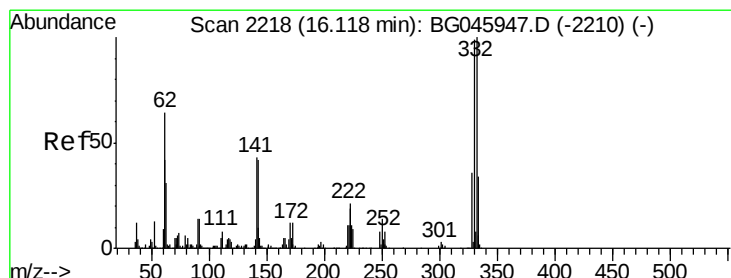
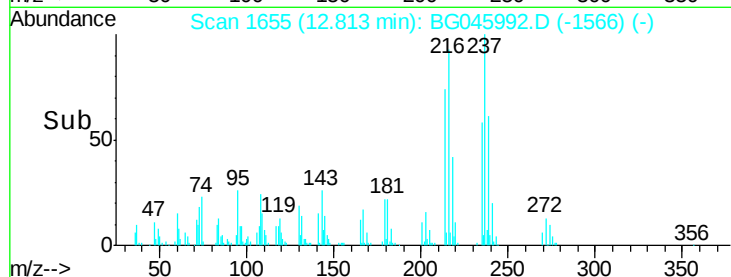
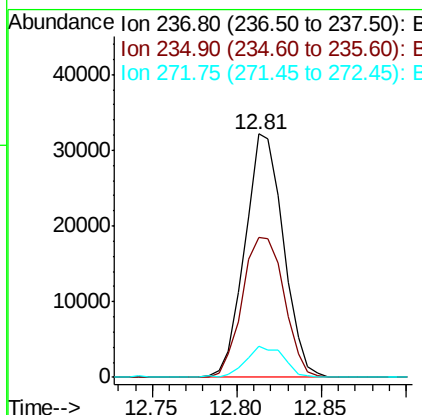
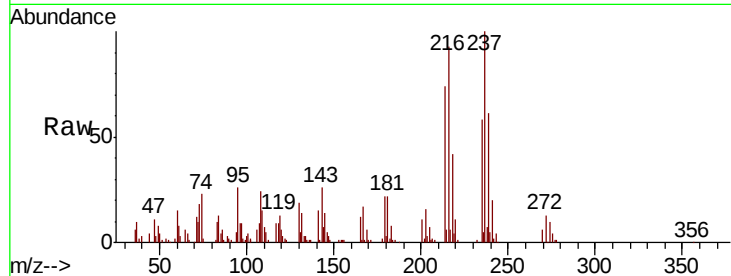




#41
Hexachlorocyclopentadiene
Concen: 8.719 ng
RT: 12.81 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

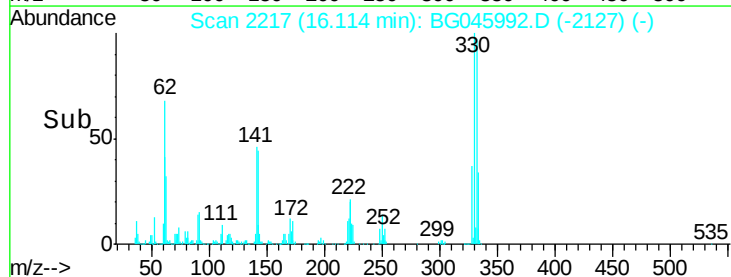
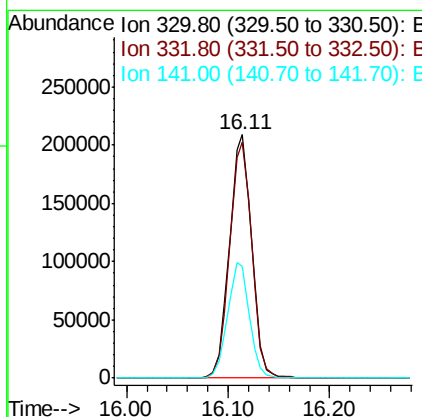
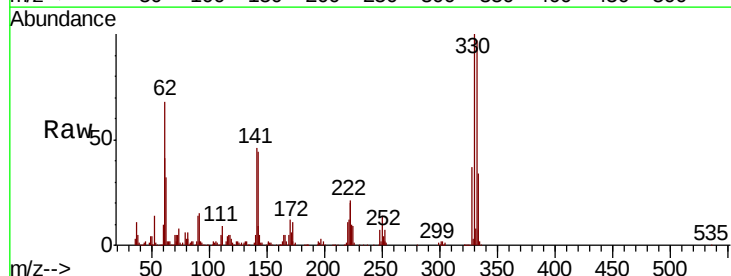
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

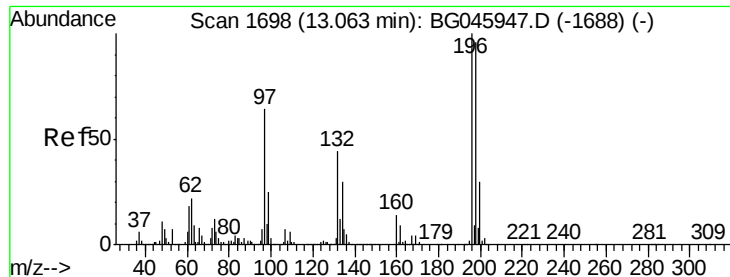
Tot Ion:237 Resp: 50923
Ion Ratio Lower Upper
237 100
235 57.6 41.5 81.5
272 13.0 0.0 31.7



#42
2,4,6-Tribromophenol
Concen: 97.731 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:330 Resp: 316730
Ion Ratio Lower Upper
330 100
332 97.0 78.3 117.5
141 46.8 36.6 54.8





#43

2,4,6-Trichlorophenol

Concen: 8.107 ng

RT: 13.06 min Scan# 1697

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

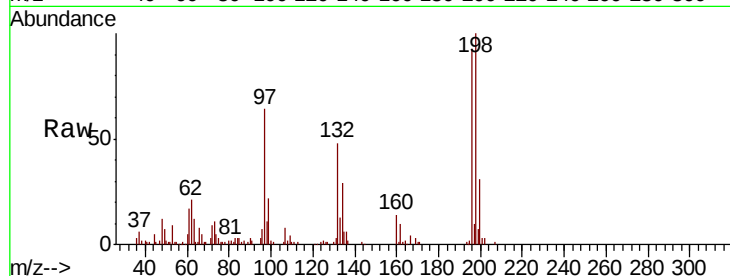
Tot Ion:196 Resp: 53966

Ion Ratio Lower Upper

196 100

198 107.4 76.7 115.1

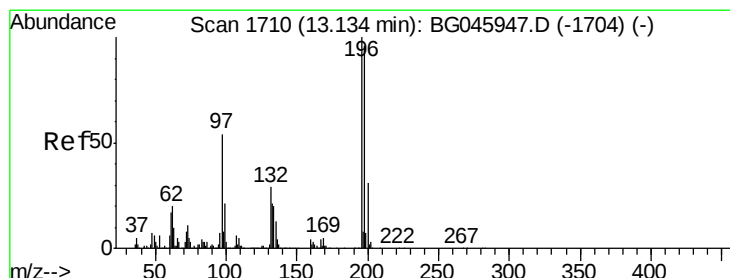
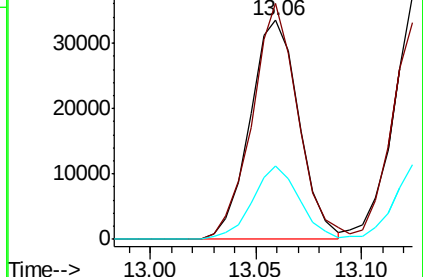
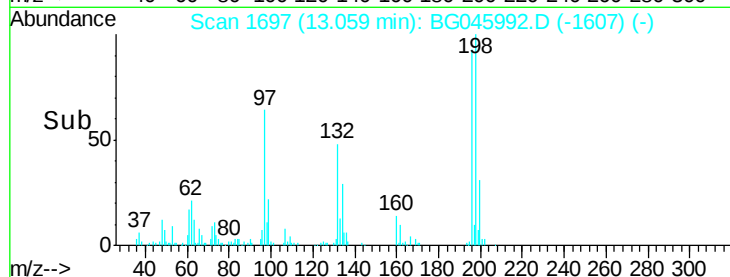
200 33.4 24.3 36.5



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 8.306 ng

RT: 13.12 min Scan# 1708

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:196 Resp: 62515

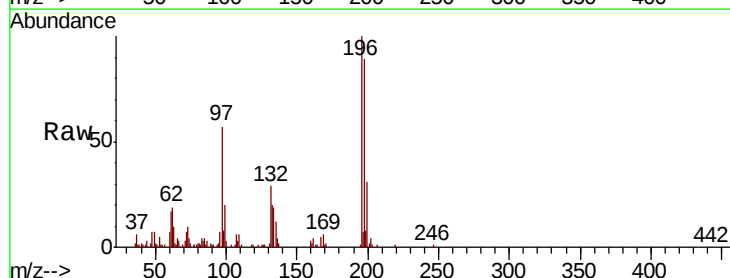
Ion Ratio Lower Upper

196 100

198 89.2 77.0 115.6

97 57.2 44.3 66.5

132 28.8 23.1 34.7

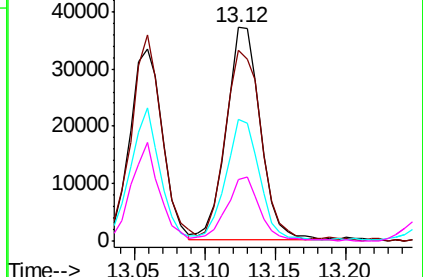
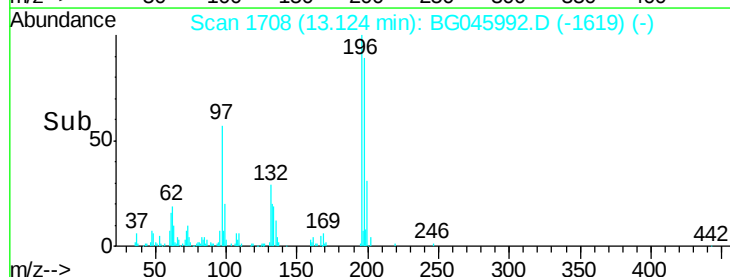


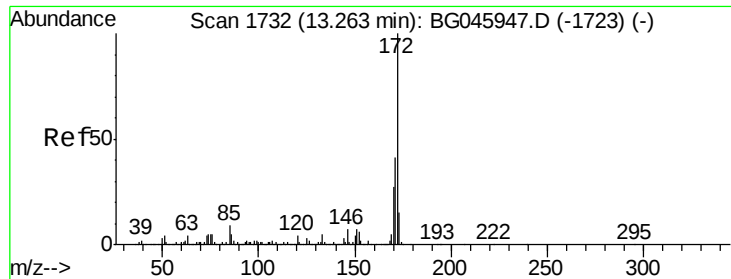
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

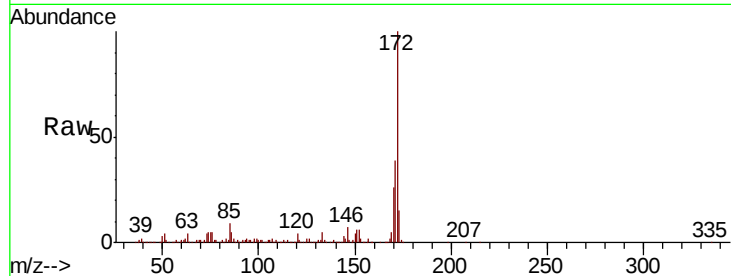




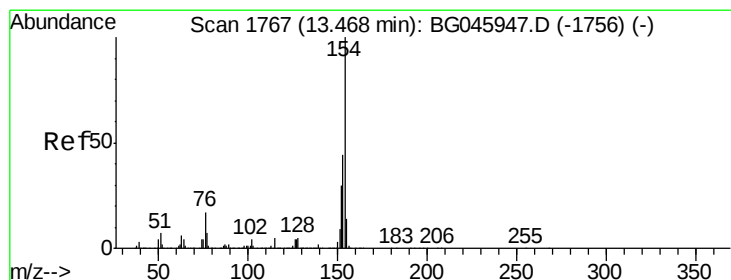
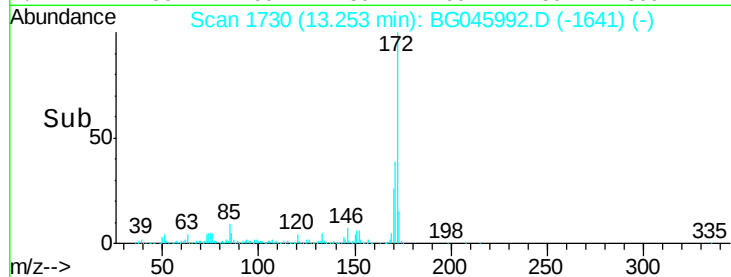
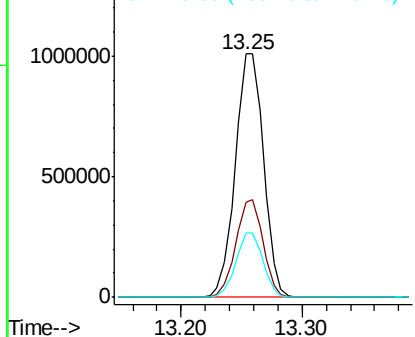
#45
2-Fluorobiphenyl
Concen: 73.620 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:172 Resp: 1648093
Ion Ratio Lower Upper
172 100
171 39.2 32.9 49.3
170 26.2 21.8 32.6

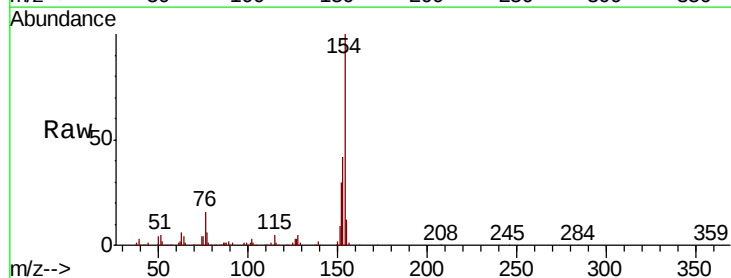


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

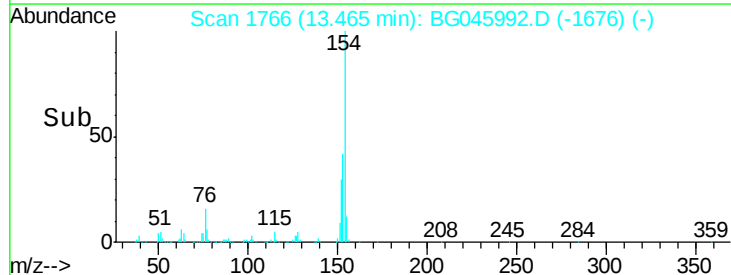
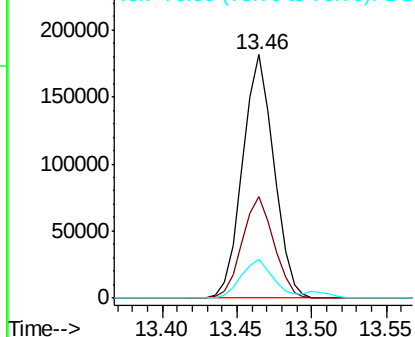


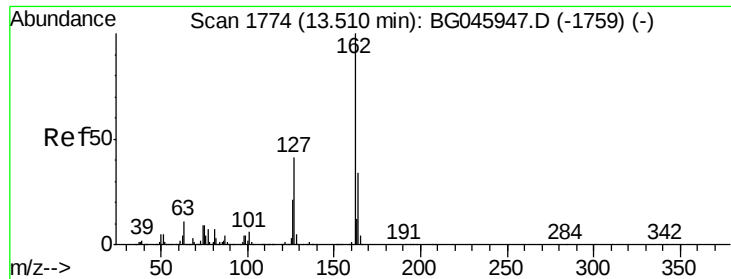
#46
1,1'-Biphenyl
Concen: 10.043 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:154 Resp: 263818
Ion Ratio Lower Upper
154 100
153 41.5 23.6 63.6
76 16.0 0.0 36.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG

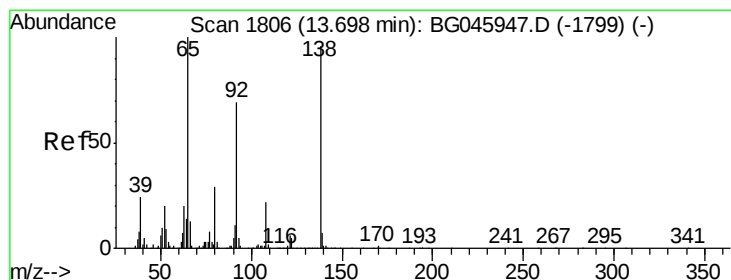
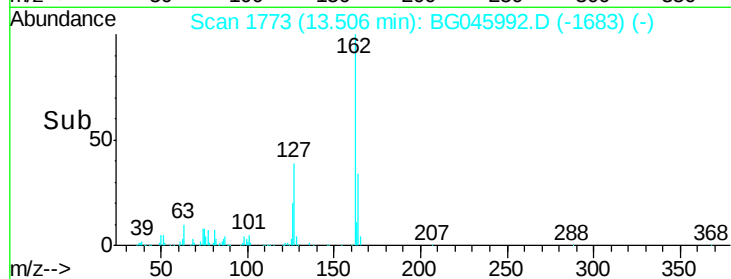
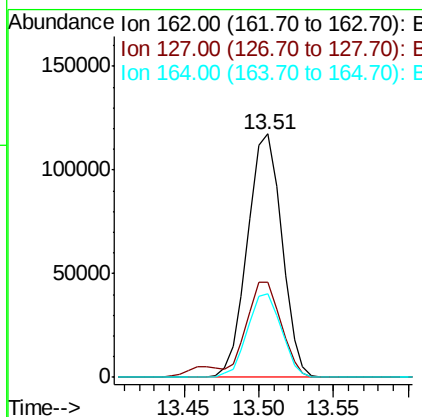
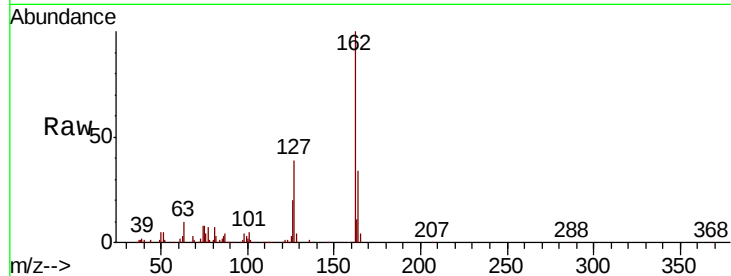




#47
2-Chloronaphthalene
Concen: 9.057 ng
RT: 13.51 min Scan# 1773
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

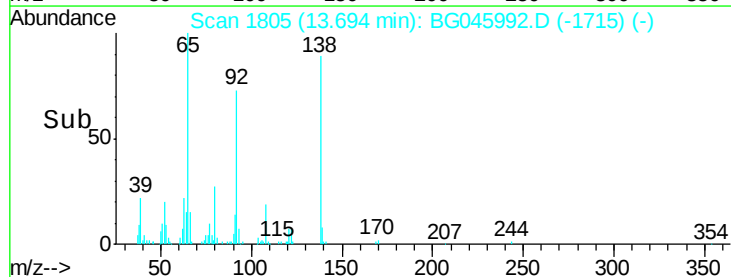
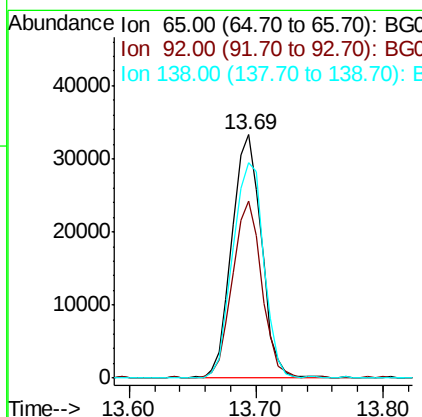
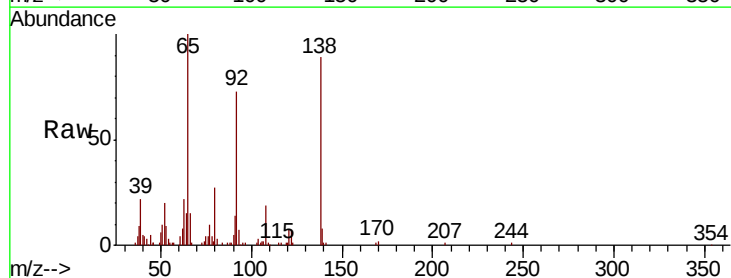
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

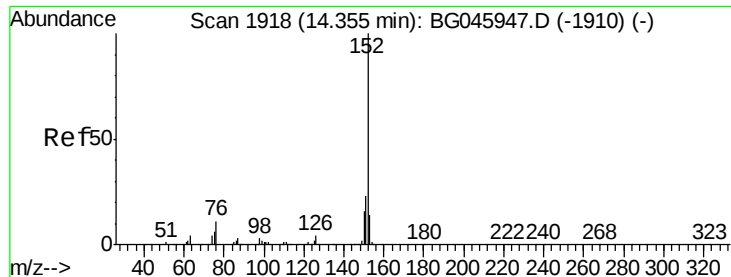
Tot Ion	Ratio	Lower	Upper
162	100		
127	38.9	32.5	48.7
164	34.3	27.2	40.8



#48
2-Nitroaniline
Concen: 11.081 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.5	55.4	83.0
138	88.5	77.0	115.4





#49

Acenaphthylene

Concen: 9.609 ng

RT: 14.35 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

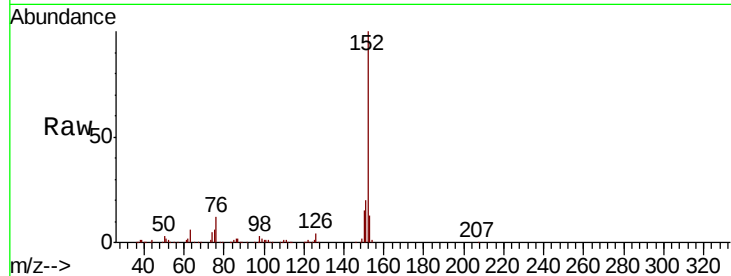
Tot Ion:152 Resp: 321319

Ion Ratio Lower Upper

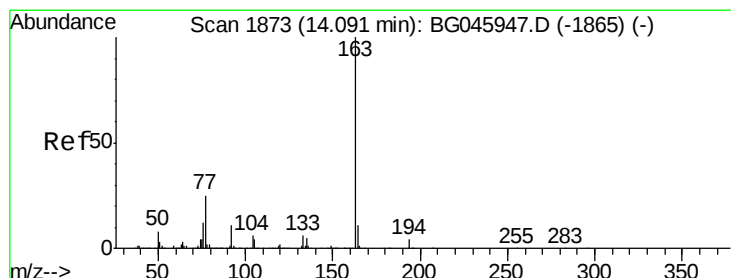
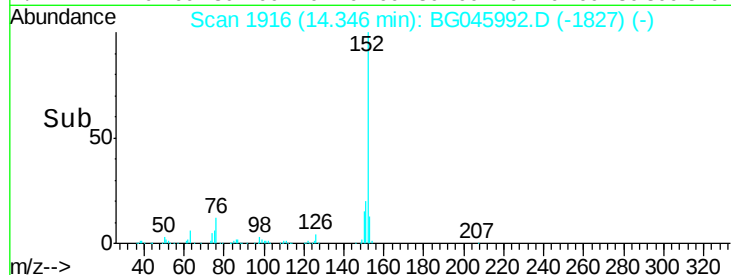
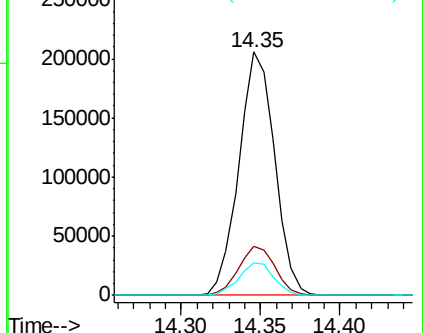
152 100

151 20.1 18.1 27.1

153 13.2 11.5 17.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.791 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

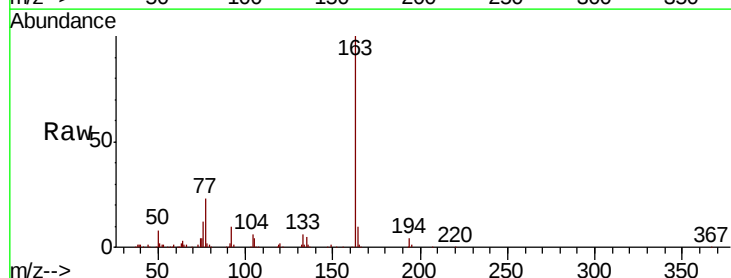
Tgt Ion:163 Resp: 230370

Ion Ratio Lower Upper

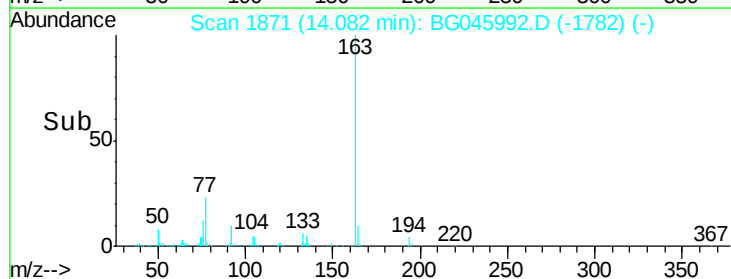
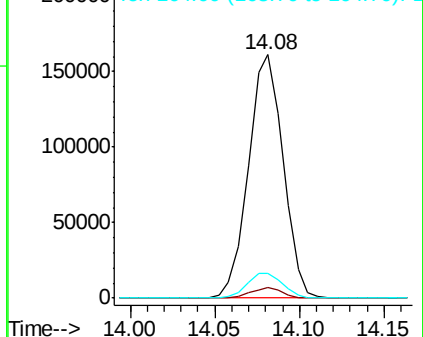
163 100

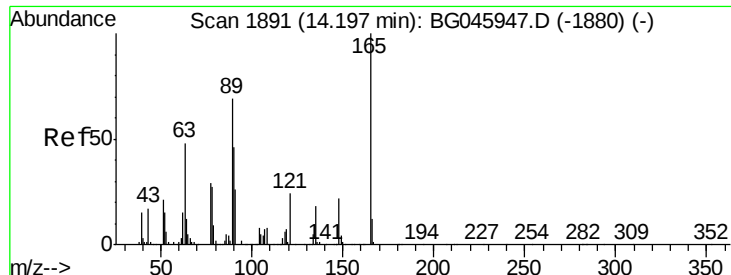
194 4.2 3.6 5.4

164 10.4 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

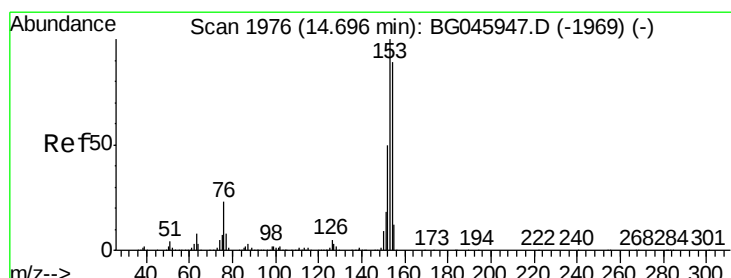
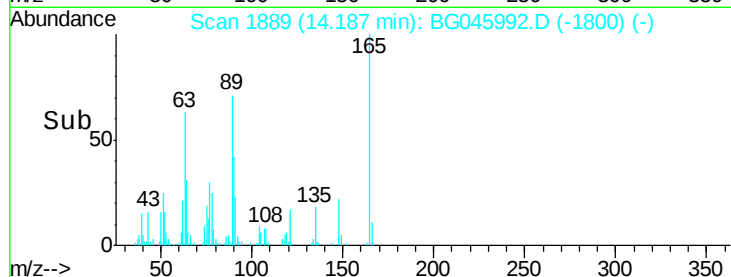
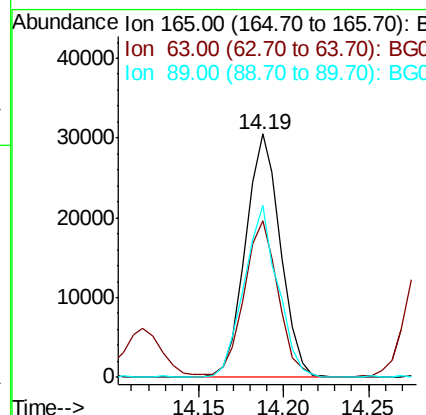
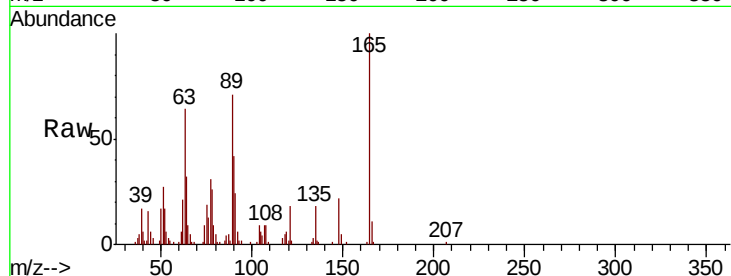




#51
 2,6-Dinitrotoluene
 Concen: 10.769 ng
 RT: 14.19 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

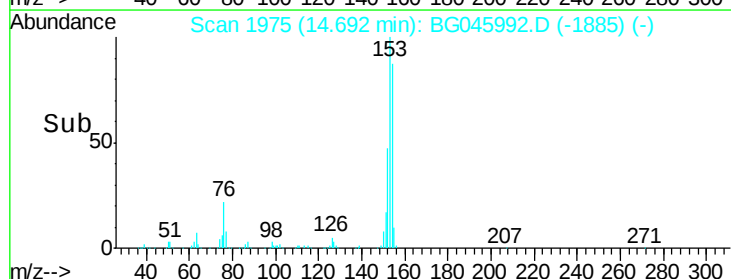
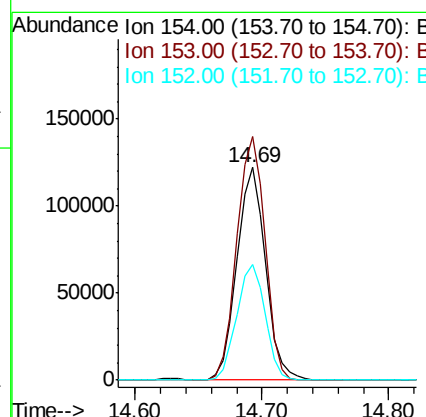
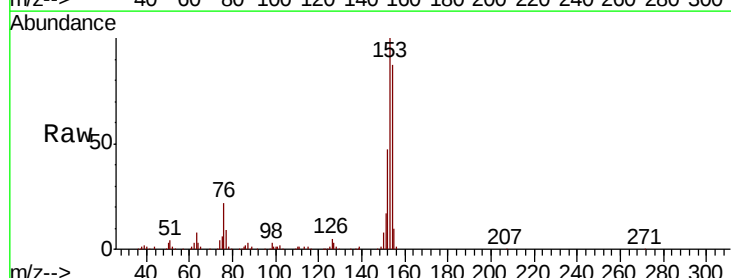
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

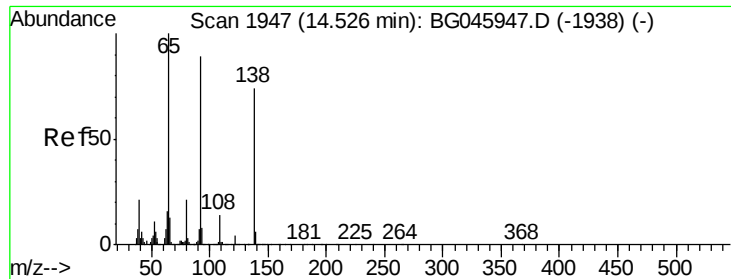
Tot Ion:165 Resp: 43790
 Ion Ratio Lower Upper
 165 100
 63 64.3 51.0 76.4
 89 70.8 55.7 83.5



#52
 Acenaphthene
 Concen: 8.993 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion:154 Resp: 189690
 Ion Ratio Lower Upper
 154 100
 153 114.5 89.7 134.5
 152 54.1 44.7 67.1

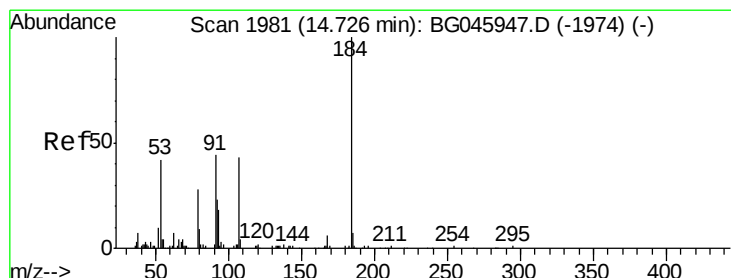
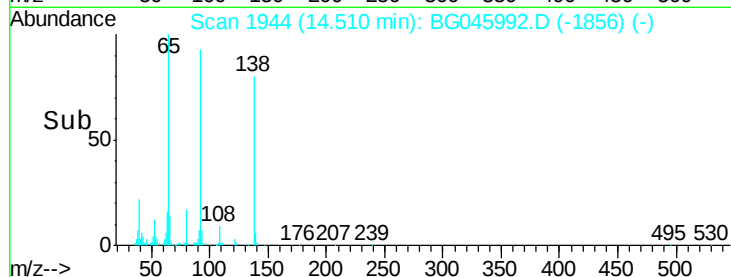
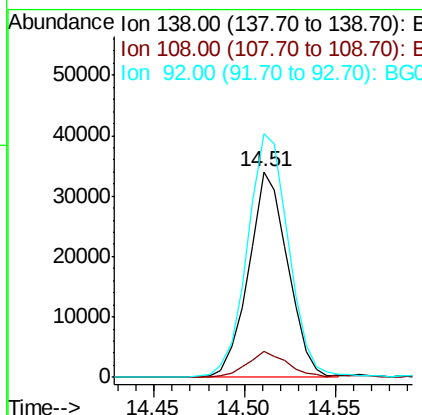
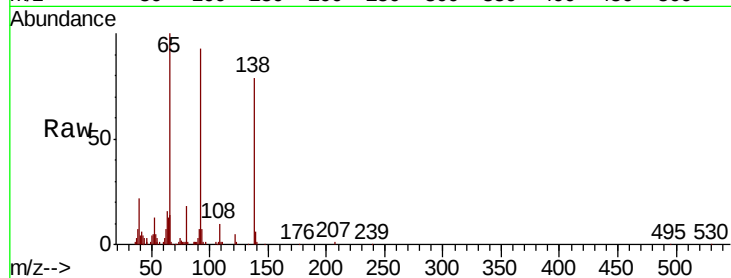




#53
3-Nitroaniline
Concen: 10.103 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

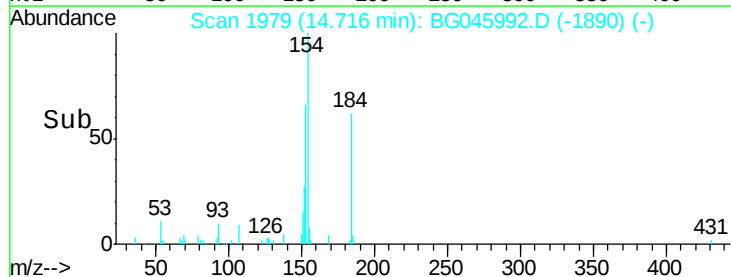
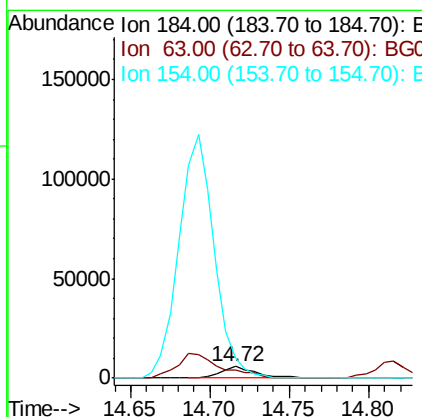
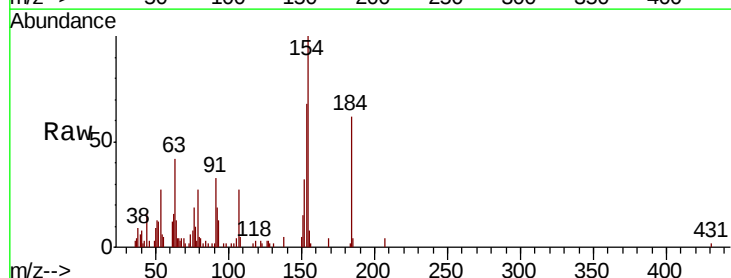
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

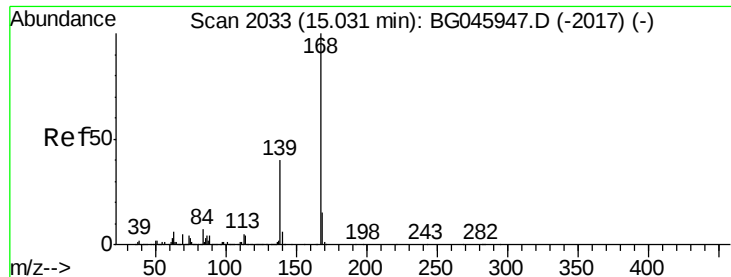
Tot Ion:138 Resp: 50909
Ion Ratio Lower Upper
138 100
108 12.8 15.4 23.2#
92 118.5 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 6.283 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:184 Resp: 9012
Ion Ratio Lower Upper
184 100
63 67.4 46.0 69.0
154 161.4 58.2 87.2#





#55

Dibenzofuran

Concen: 9.483 ng

RT: 15.02 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

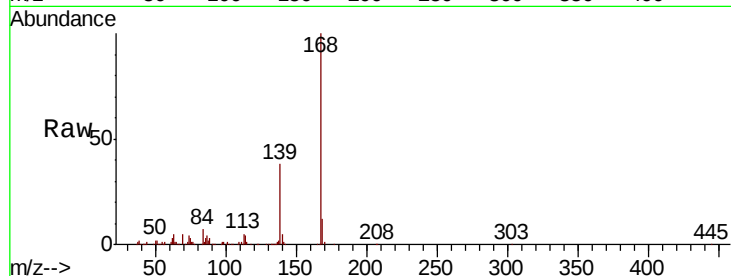
Tot Ion:168 Resp: 293201

Ion Ratio Lower Upper

168 100

139 38.3 32.2 48.2

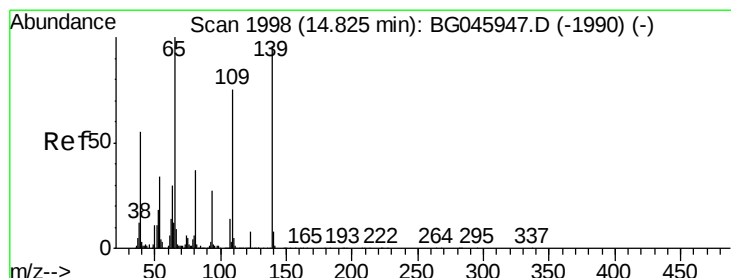
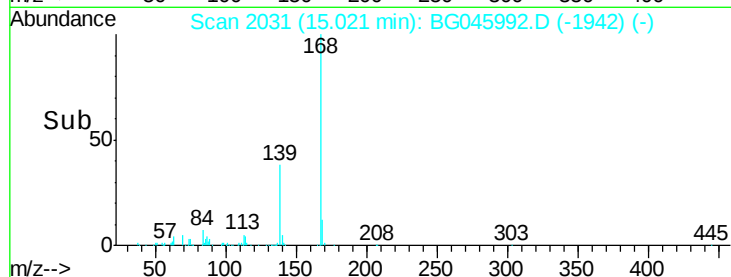
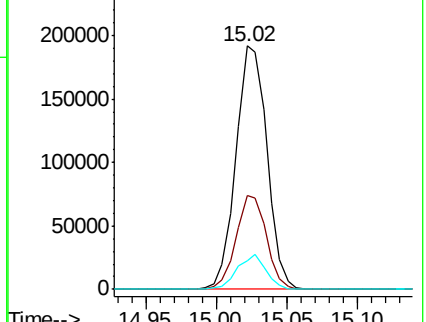
169 11.9 11.8 17.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 8.561 ng

RT: 14.82 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

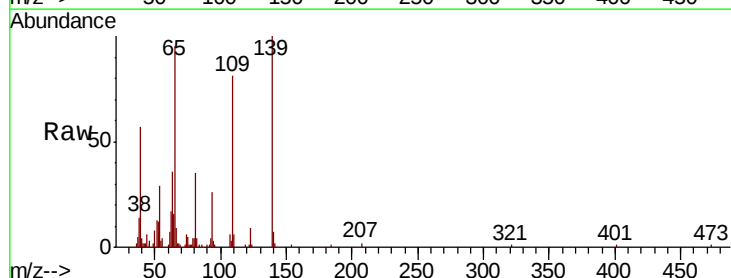
Tgt Ion:139 Resp: 36550

Ion Ratio Lower Upper

139 100

109 80.6 58.5 98.5

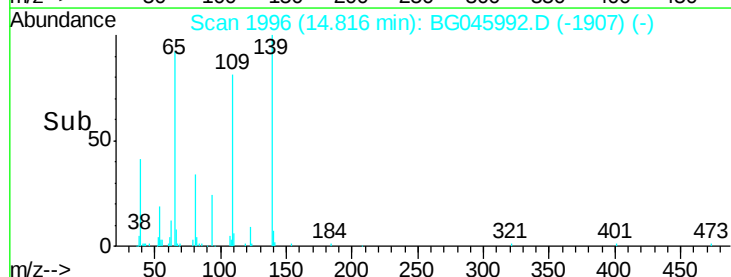
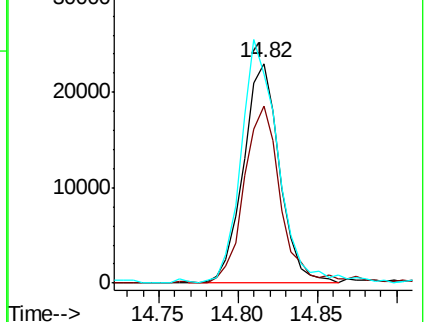
65 95.2 84.7 124.7

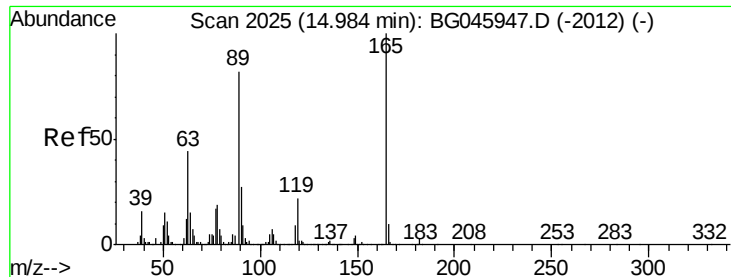


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 10.924 ng

RT: 14.97 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:165 Resp: 54886

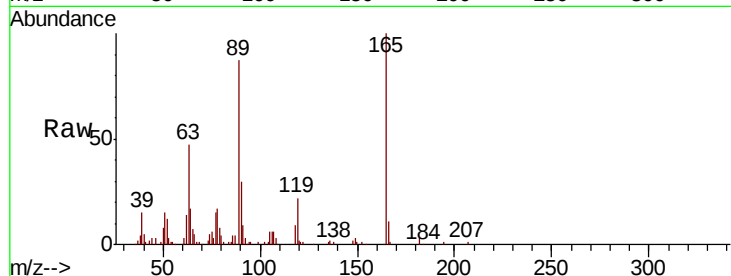
Ion Ratio Lower Upper

165 100

63 47.3 35.4 53.0

89 87.3 65.4 98.2

182 2.5 2.0 3.0

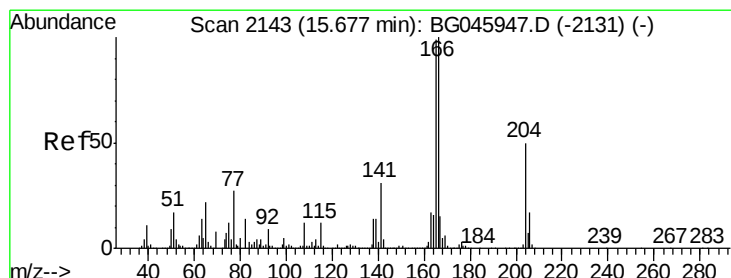
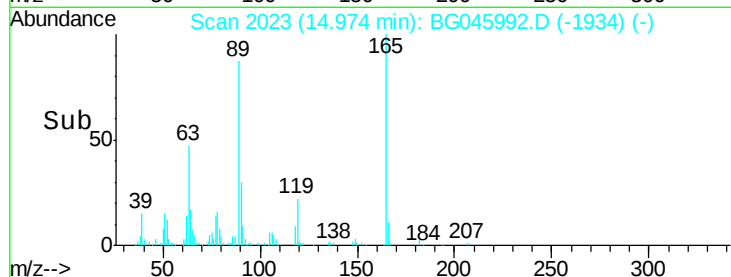
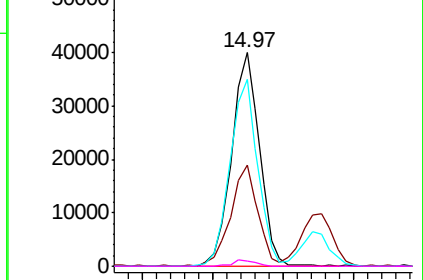


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 9.207 ng

RT: 15.67 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

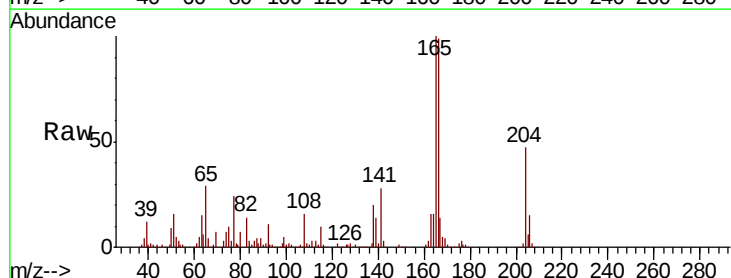
Tgt Ion:166 Resp: 233512

Ion Ratio Lower Upper

166 100

165 100.8 78.9 118.3

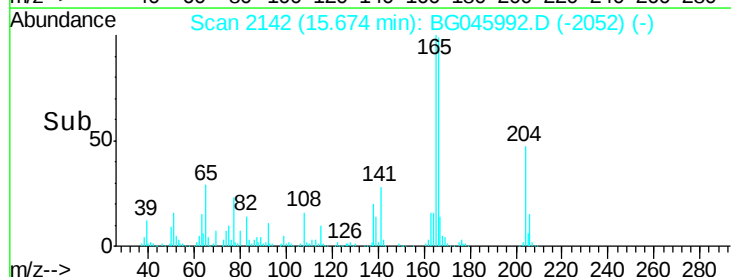
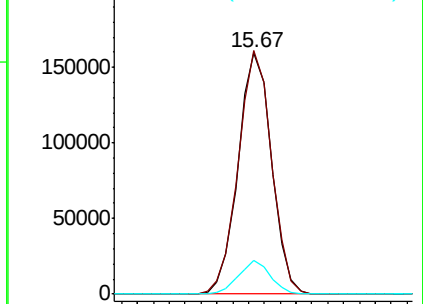
167 14.2 12.1 18.1

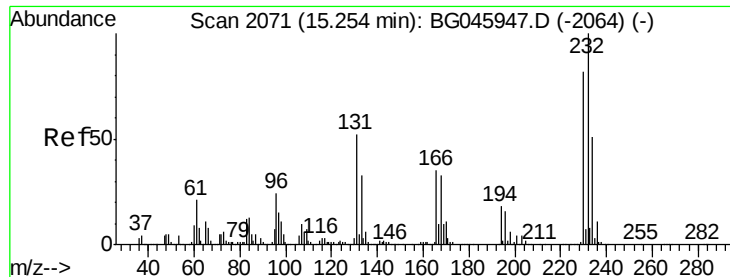


Abundance Ion 166.00 (165.70 to 166.70): E

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: 8.302 ng

RT: 15.16 min Scan# 2055

Delta R.T. -0.09 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:232 Resp: 48244

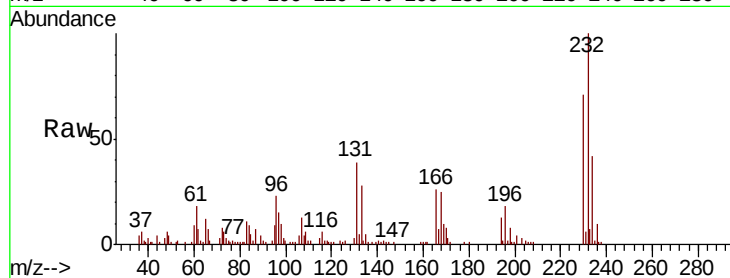
Ion Ratio Lower Upper

232 100

131 42.4 35.8 53.6

130 2.6 2.5 3.7

166 26.0 21.8 32.8

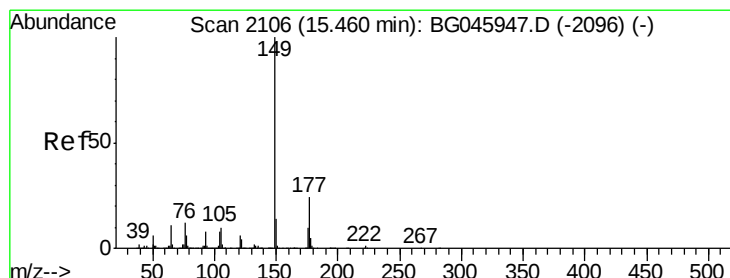
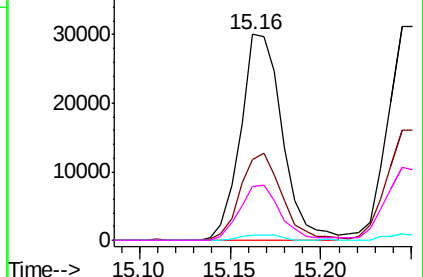
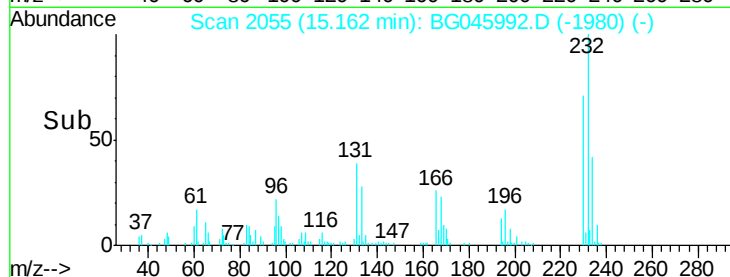


Abundance Ion 232.00 (231.70 to 232.70): E

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: 8.828 ng

RT: 15.45 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

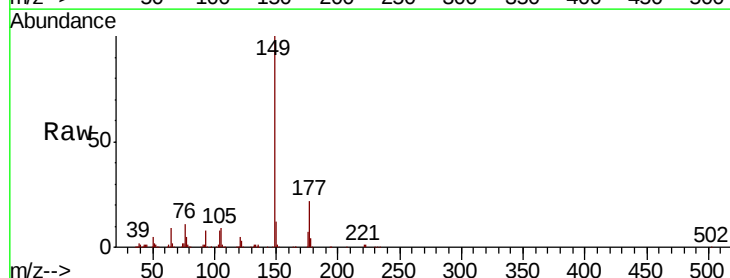
Tgt Ion:149 Resp: 242608

Ion Ratio Lower Upper

149 100

177 21.8 19.0 28.4

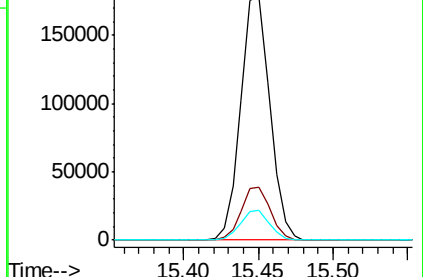
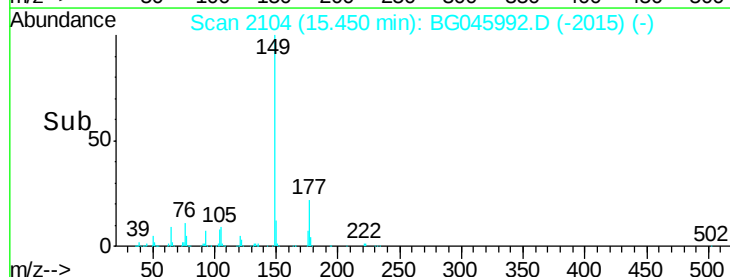
150 12.1 11.0 16.4

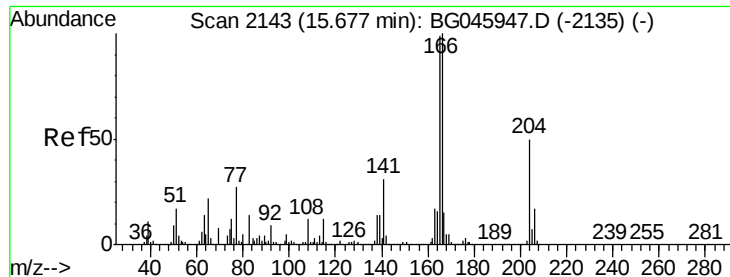


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

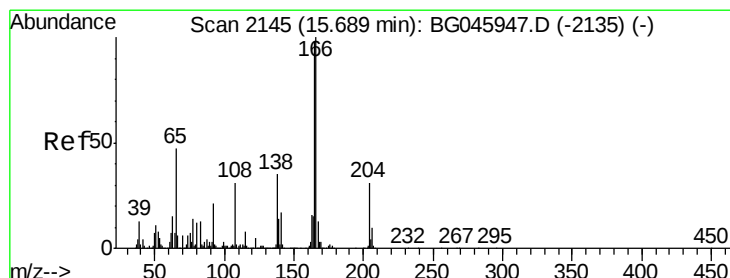
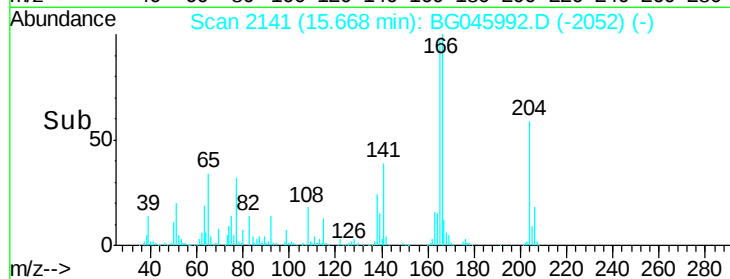
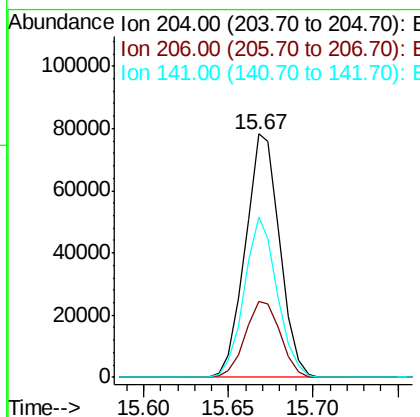
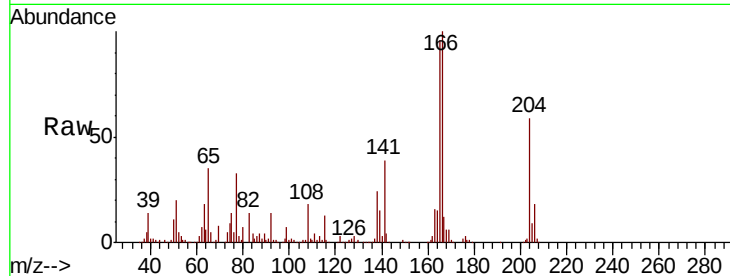




#61
4-Chlorophenyl-phenylether
Concen: 8.752 ng
RT: 15.67 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

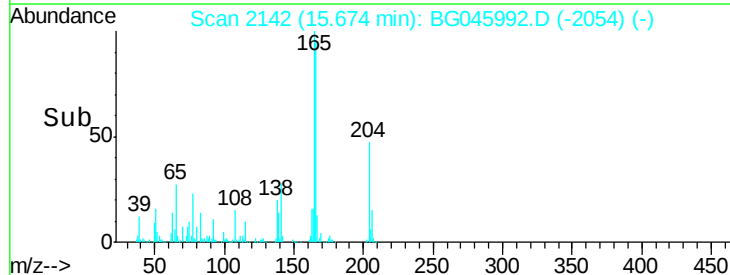
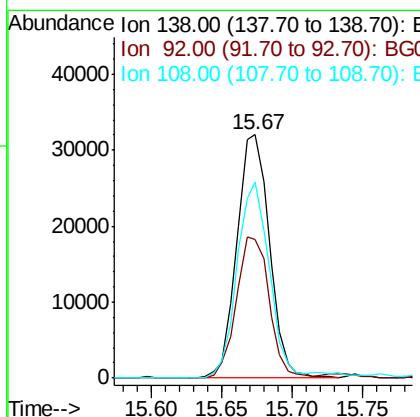
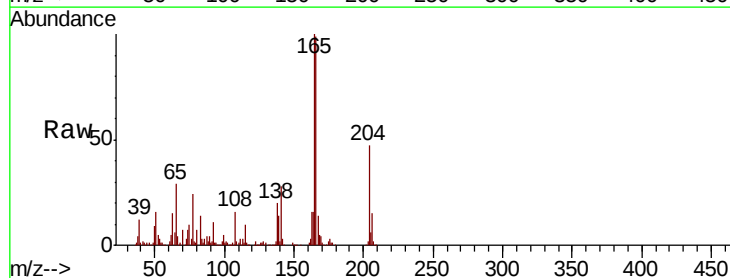
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

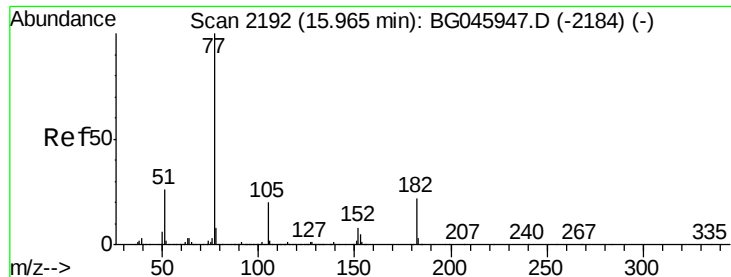
Tot Ion:204 Resp: 110441
Ion Ratio Lower Upper
204 100
206 31.0 27.1 40.7
141 65.8 49.8 74.8



#62
4-Nitroaniline
Concen: 9.559 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:138 Resp: 51773
Ion Ratio Lower Upper
138 100
92 57.2 40.3 80.3
108 80.4 68.0 108.0





#63

Azobenzene

Concen: 9.467 ng

RT: 15.96 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 77 Resp: 279251

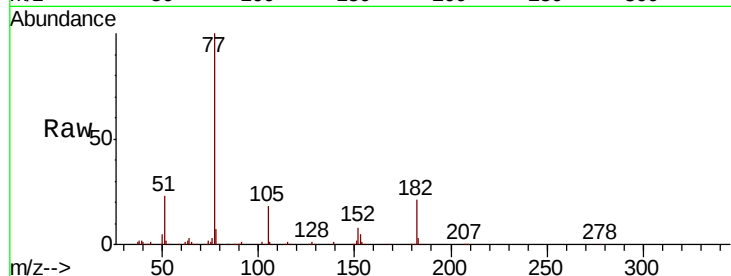
Ion Ratio Lower Upper

77 100

182 20.7 2.4 42.4

105 18.3 0.3 40.3

51 22.6 6.3 46.3

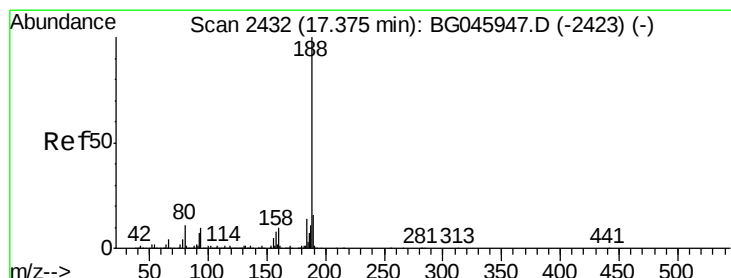
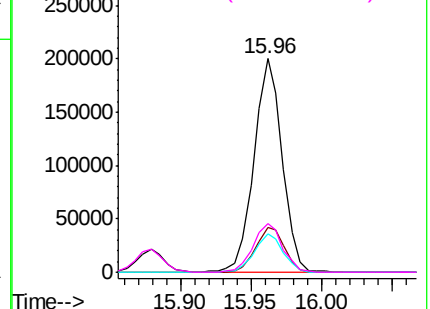
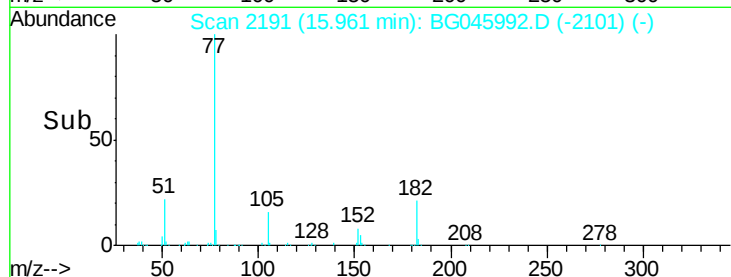


Abundance Ion 77.00 (76.70 to 77.70): BGC

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. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

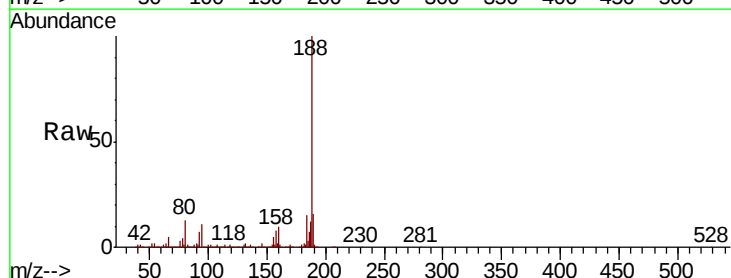
Tgt Ion: 188 Resp: 693489

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.4

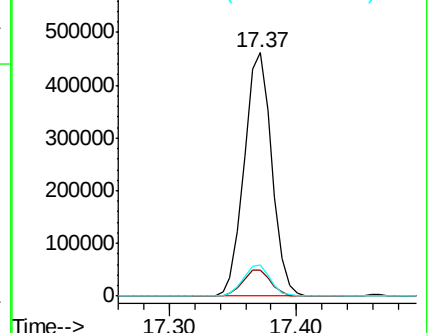
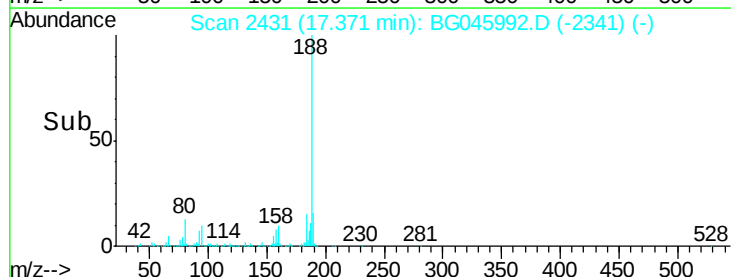
80 12.5 9.0 13.6

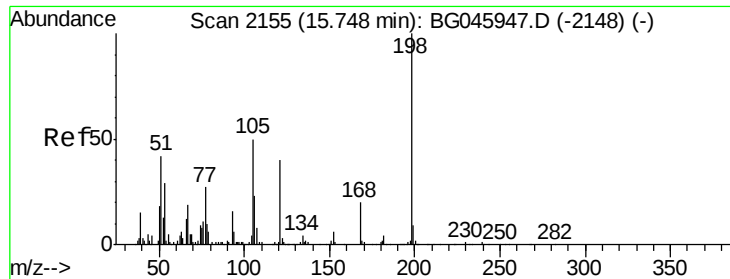


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

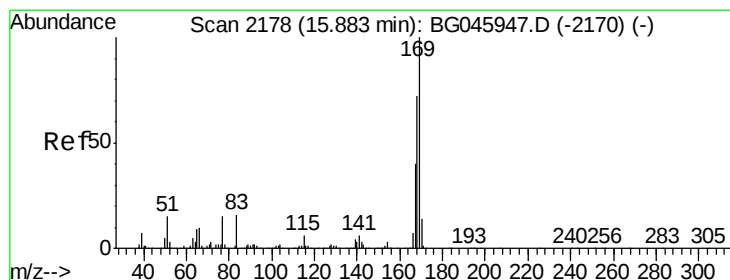
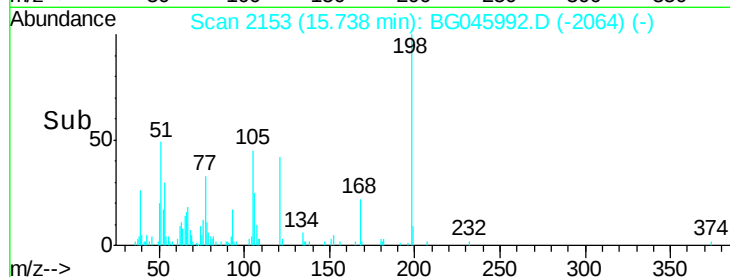
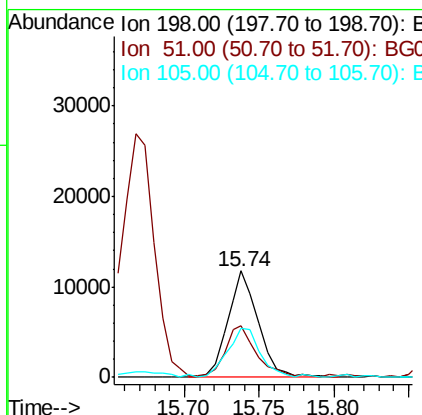
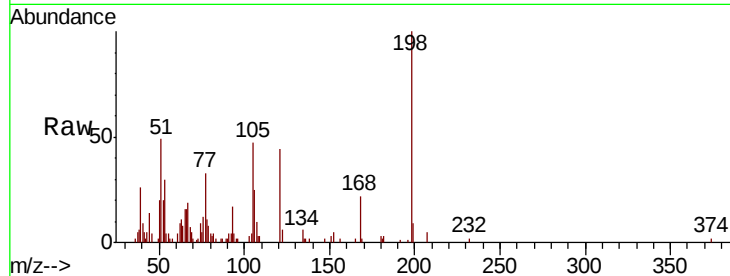




#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.233 ng
 RT: 15.74 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

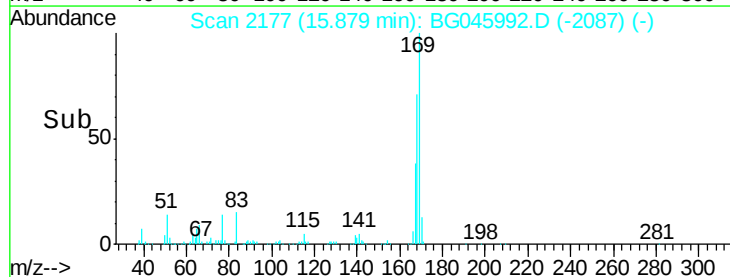
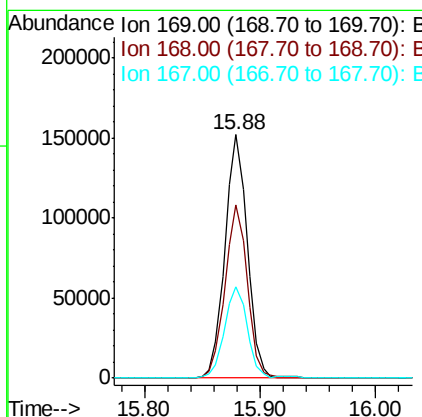
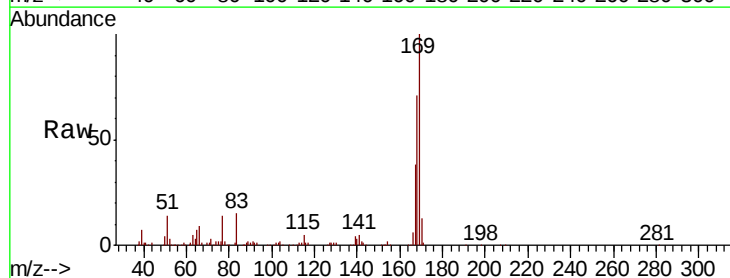
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

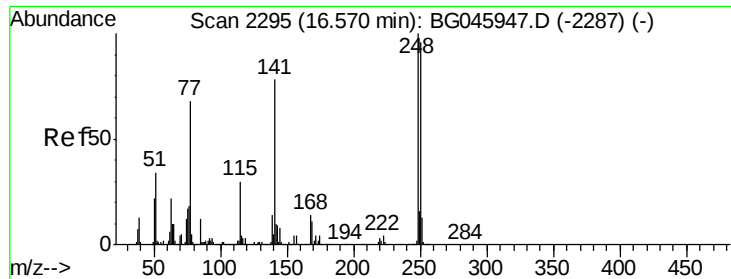
Tot Ion	Ratio	Lower	Upper
198	100		
51	49.1	24.5	64.5
105	46.8	30.9	70.9



#66
 n-Nitrosodiphenylamine
 Concen: 9.474 ng
 RT: 15.88 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.4	57.3	85.9
167	37.6	32.1	48.1

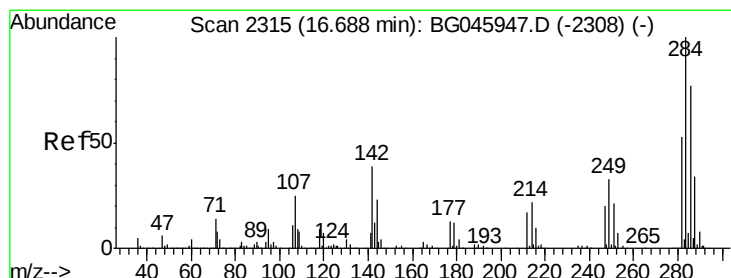
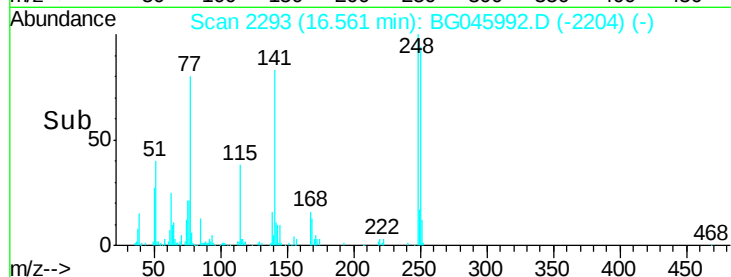
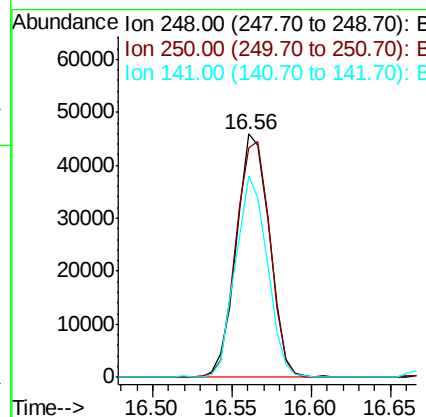
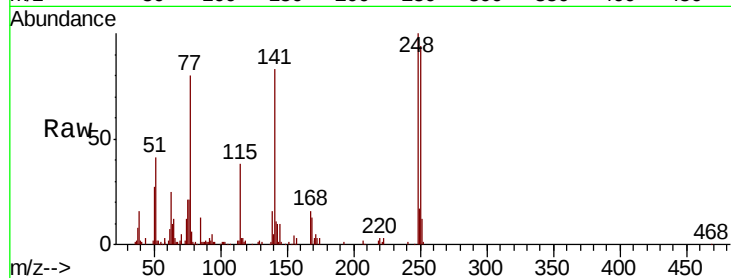




#67
4-Bromophenyl-phenylether
Concen: 8.561 ng
RT: 16.56 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

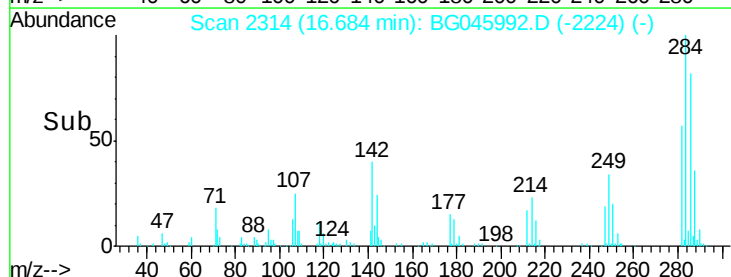
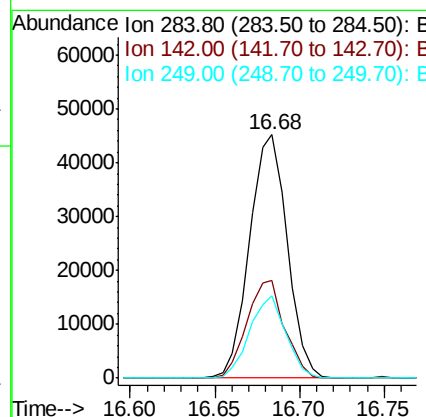
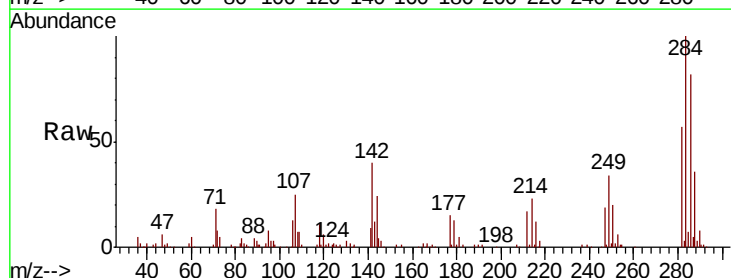
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

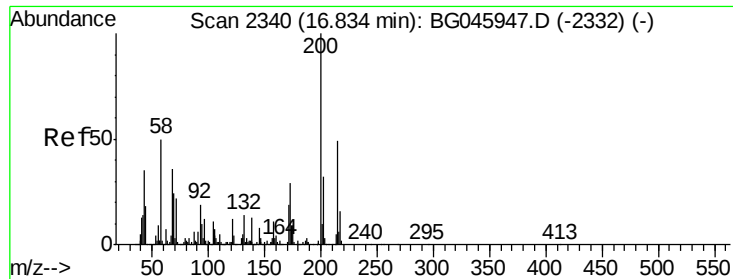
Tot Ion:248 Resp: 66305
Ion Ratio Lower Upper
248 100
250 94.5 76.6 114.8
141 82.9 62.7 94.1



#68
Hexachlorobenzene
Concen: 9.000 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:284 Resp: 69949
Ion Ratio Lower Upper
284 100
142 40.2 31.3 46.9
249 33.7 26.8 40.2





#69

Atrazine

Concen: 10.506 ng

RT: 16.82 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

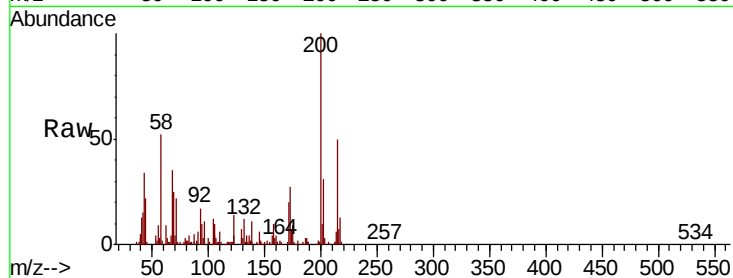
Tot Ion:200 Resp: 66752

Ion Ratio Lower Upper

200 100

173 26.8 9.1 49.1

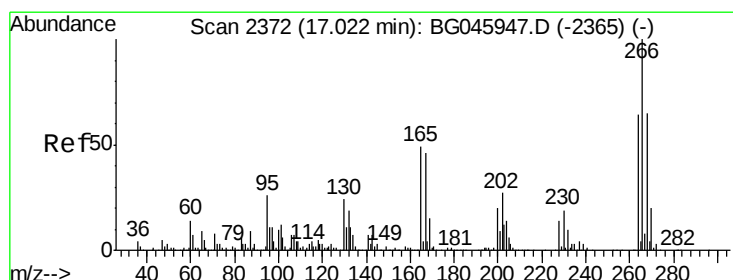
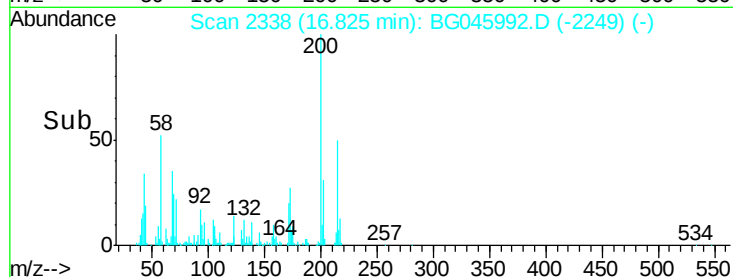
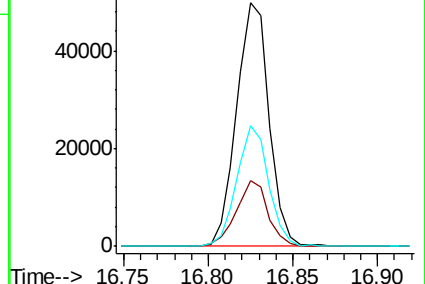
215 49.6 28.8 68.8



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: 7.212 ng

RT: 17.02 min Scan# 2371

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

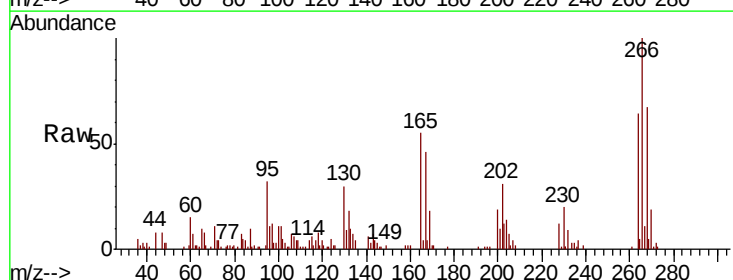
Tgt Ion:266 Resp: 31165

Ion Ratio Lower Upper

266 100

268 66.7 51.8 77.8

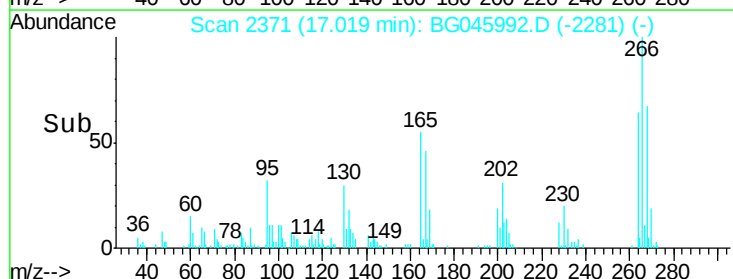
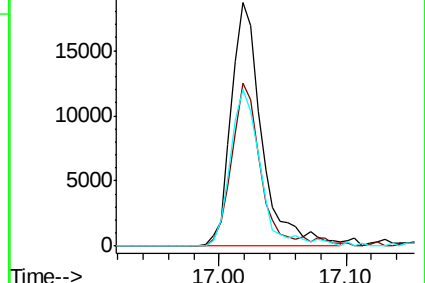
264 64.2 51.4 77.0

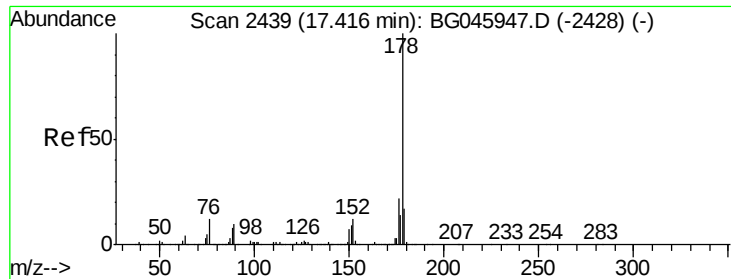


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

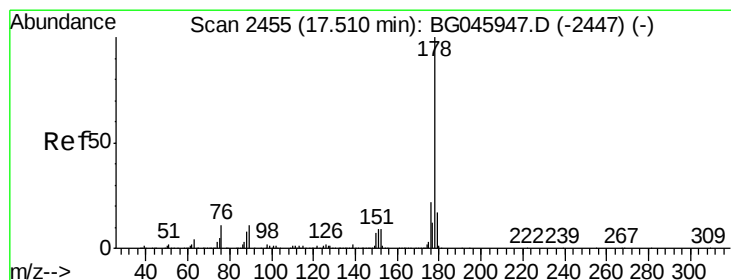
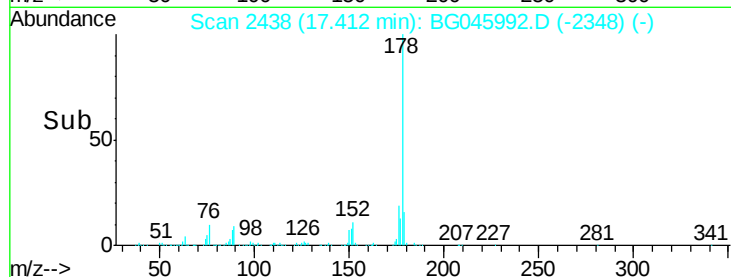
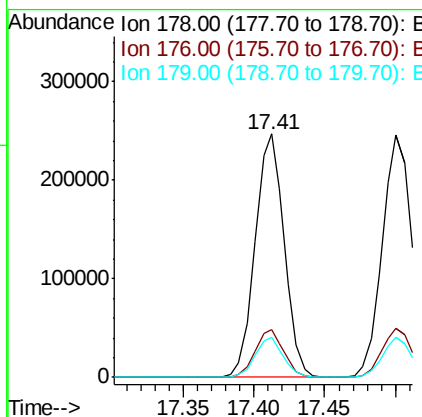
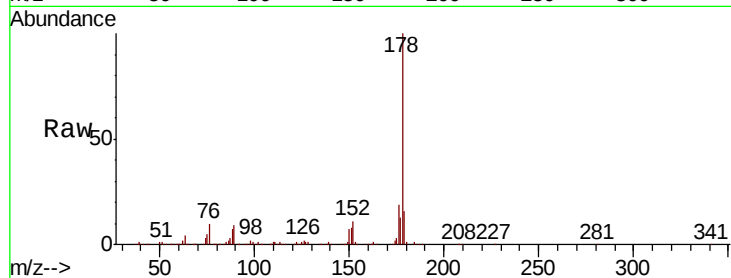




#71
Phenanthrene
Concen: 9.740 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

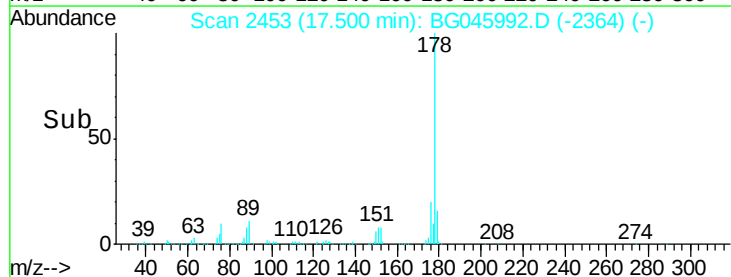
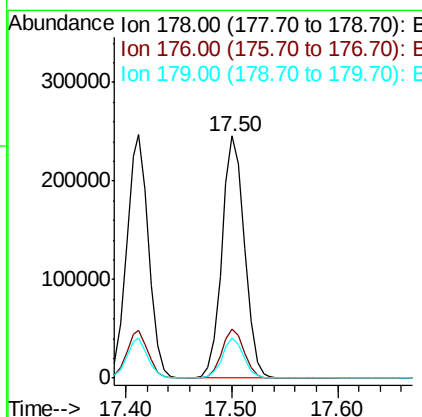
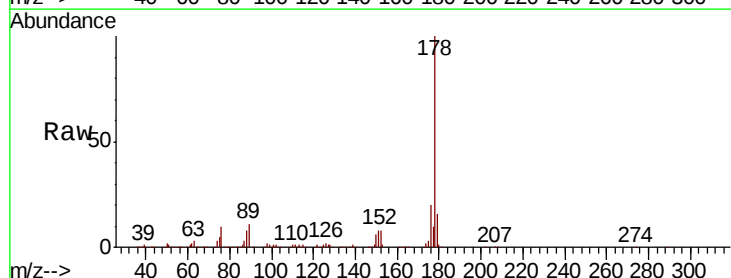
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

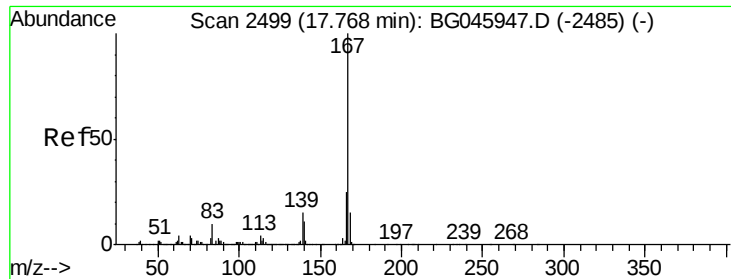
Tot Ion:178 Resp: 357098
Ion Ratio Lower Upper
178 100
176 19.4 17.4 26.2
179 16.2 13.4 20.2



#72
Anthracene
Concen: 9.768 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:178 Resp: 363453
Ion Ratio Lower Upper
178 100
176 20.0 17.2 25.8
179 16.4 14.0 21.0

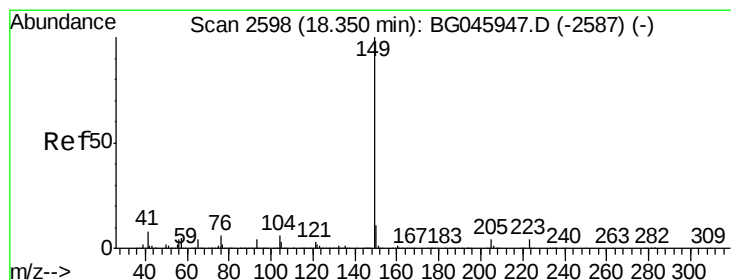
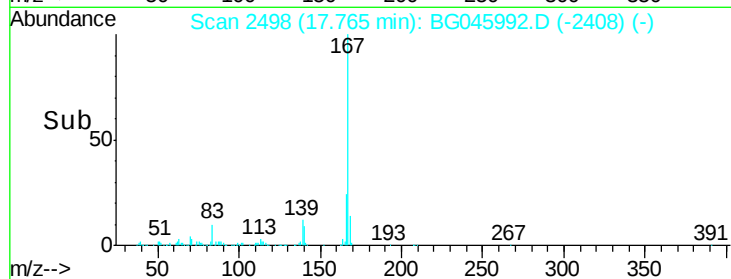
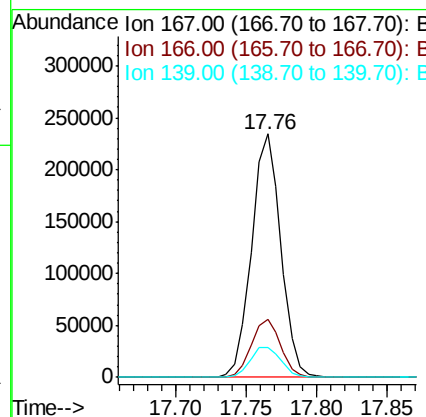
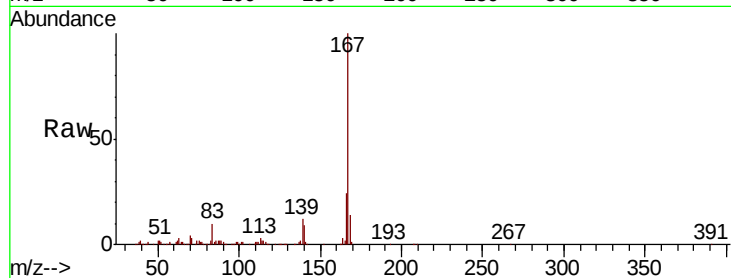




#73
 Carbazole
 Concen: 9.104 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

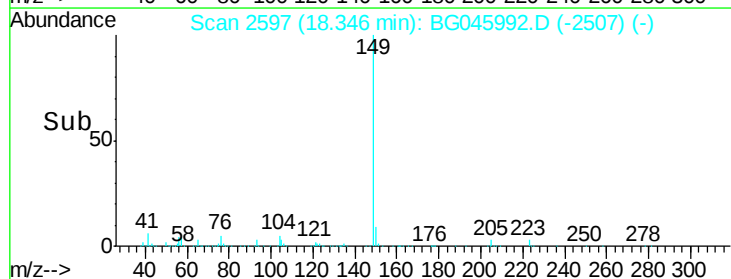
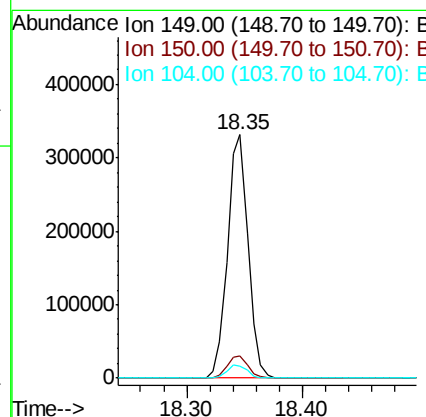
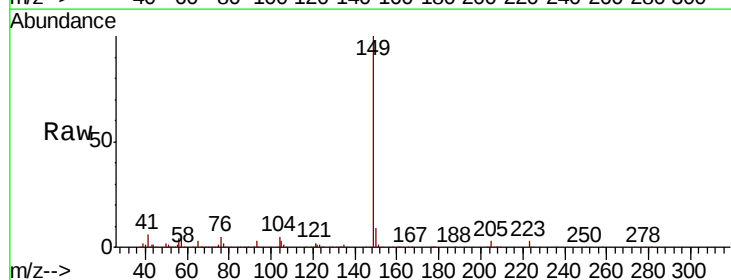
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

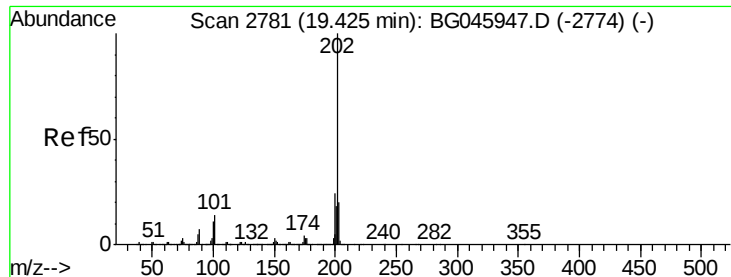
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.9	20.4	30.6
139	12.3	11.8	17.8



#74
 Di-n-butylphthalate
 Concen: 9.031 ng
 RT: 18.35 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	9.0	13.4
104	5.0	5.2	7.8

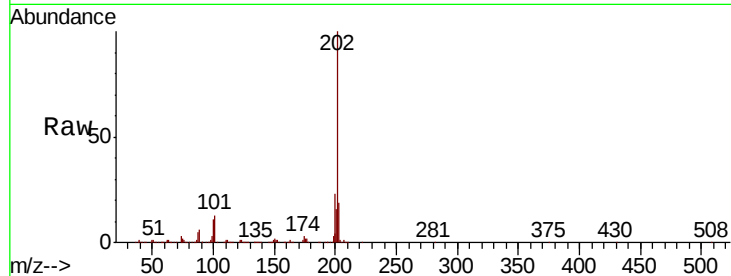




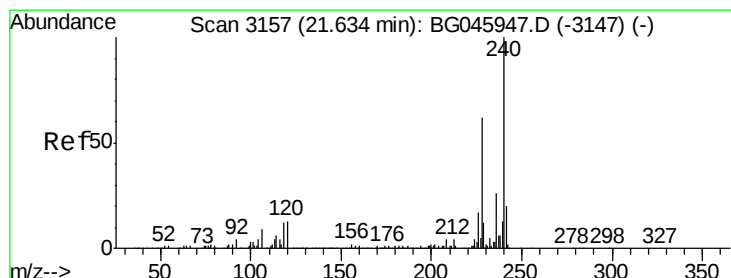
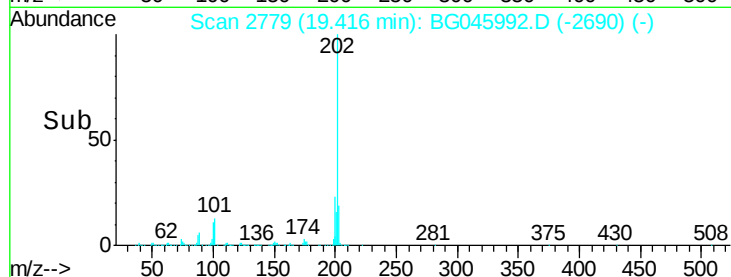
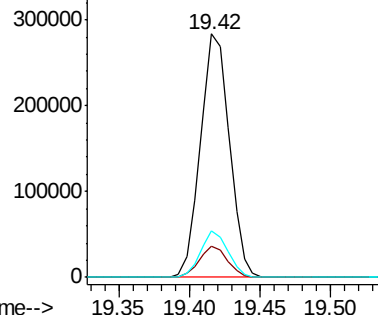
#75
Fluoranthene
Concen: 9.562 ng
RT: 19.42 min Scan# 2779
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.8
203	19.1	0.4	40.4

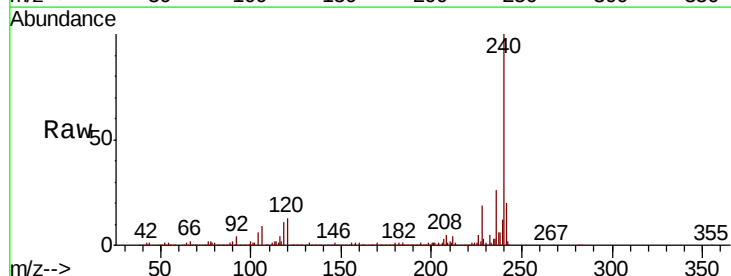


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

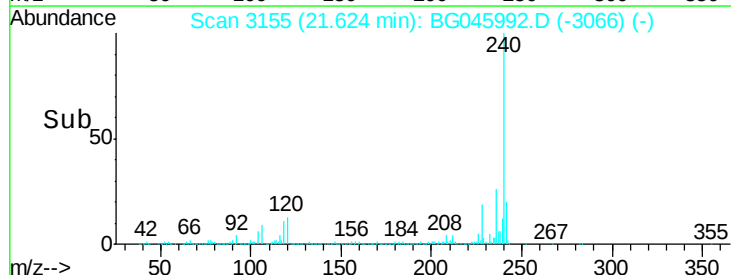
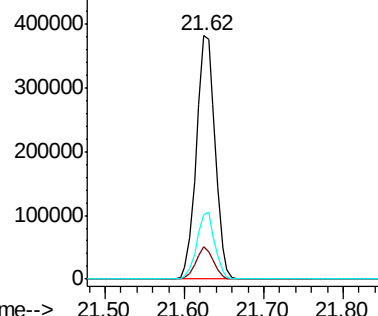


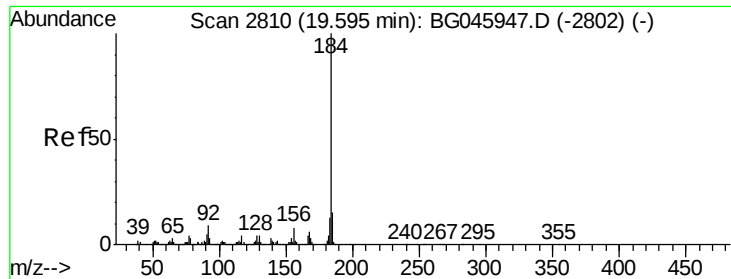
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	10.6	16.0
236	26.4	20.4	30.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.401 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

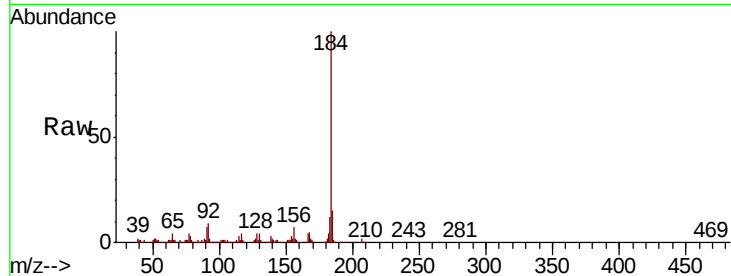
Tot Ion:184 Resp: 203149

Ion Ratio Lower Upper

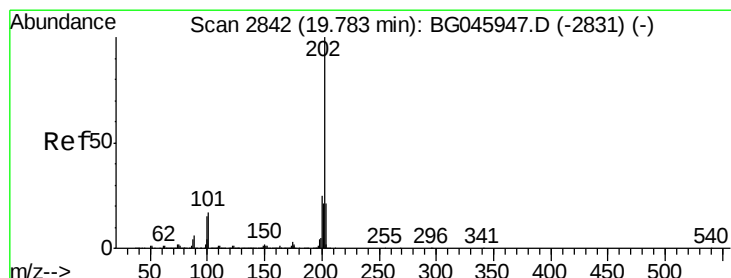
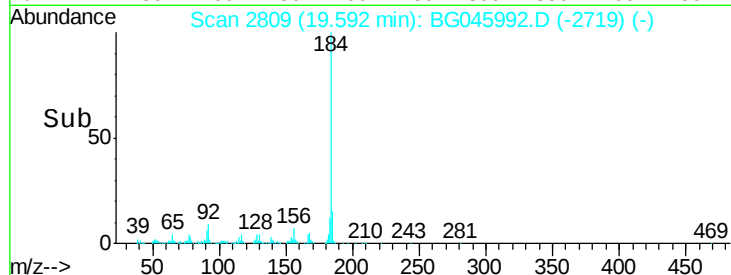
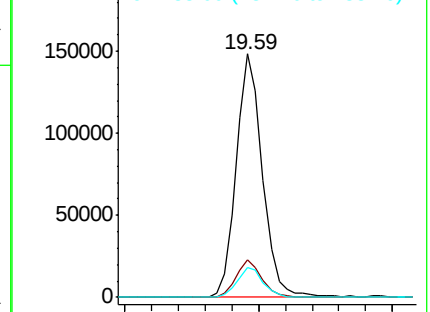
184 100

185 15.2 11.6 17.4

183 12.3 10.4 15.6



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



#78

Pyrene

Concen: 9.777 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

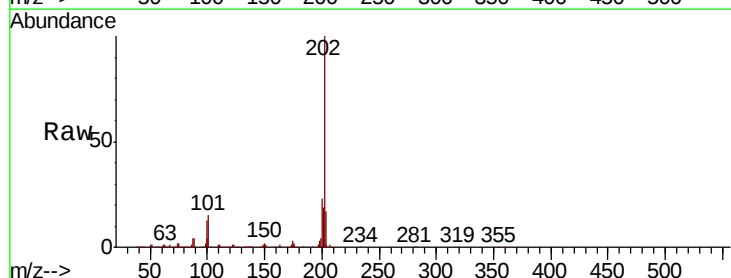
Tgt Ion:202 Resp: 415868

Ion Ratio Lower Upper

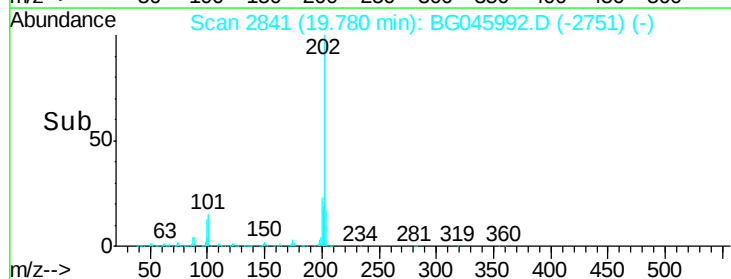
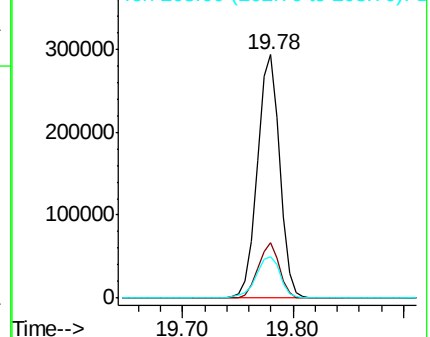
202 100

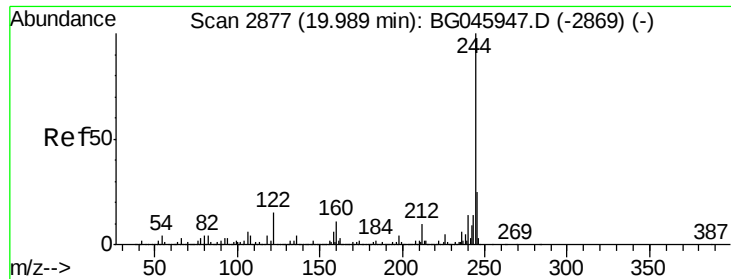
200 22.7 20.1 30.1

203 16.8 16.5 24.7



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





#79

Terphenyl-d14

Concen: 59.152 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

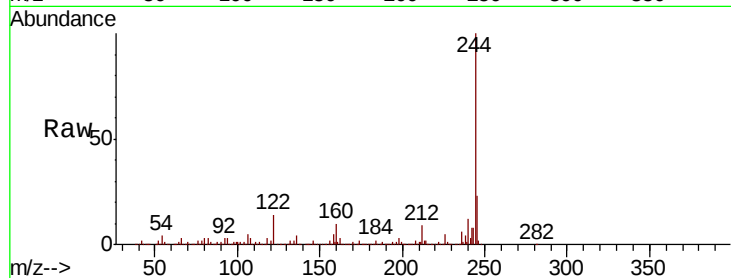
Tot Ion:244 Resp: 1656323

Ion Ratio Lower Upper

244 100

212 9.1 8.3 12.5

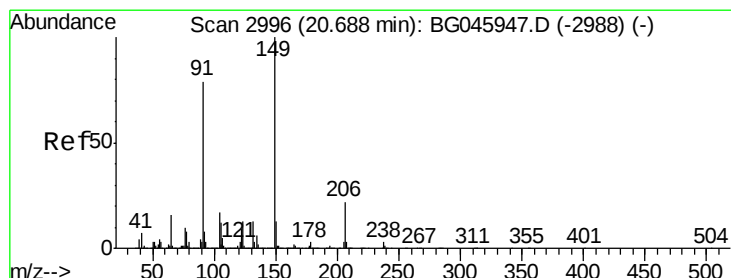
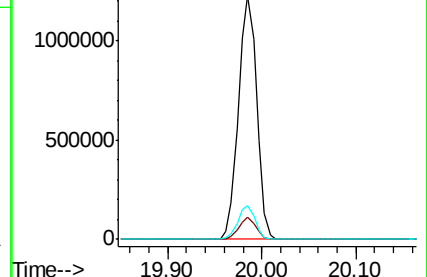
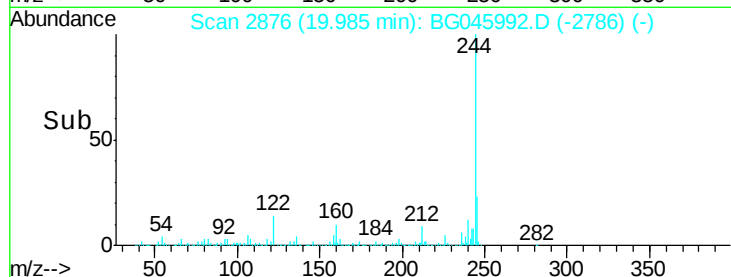
122 13.9 12.1 18.1



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: 8.009 ng

RT: 20.68 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

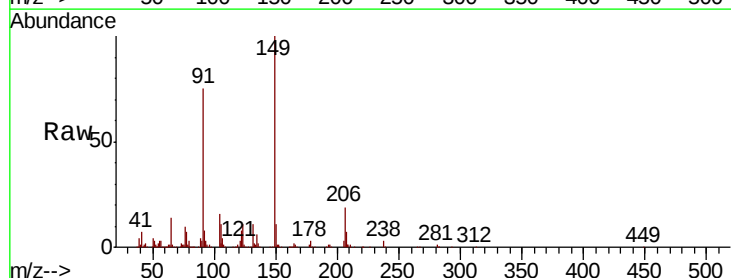
Tgt Ion:149 Resp: 160993

Ion Ratio Lower Upper

149 100

91 75.1 63.1 94.7

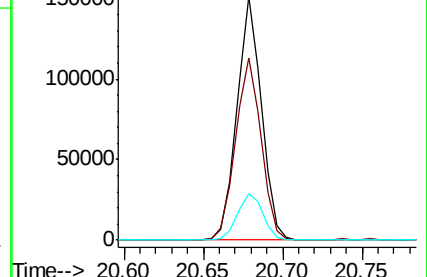
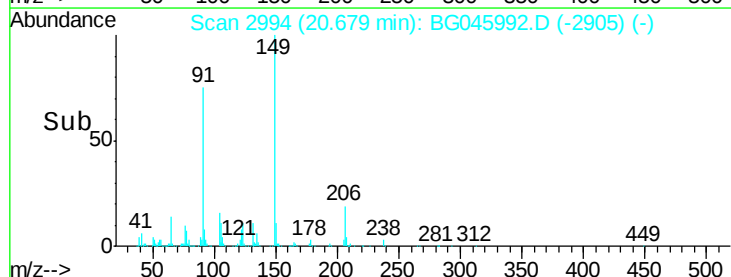
206 19.1 17.4 26.0

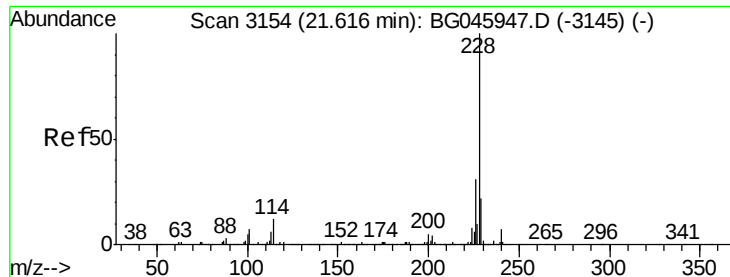


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.298 ng

RT: 21.61 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

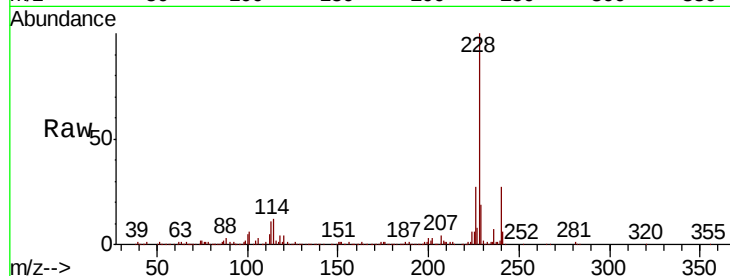
Tot Ion:228 Resp: 381007

Ion	Ratio	Lower	Upper
228	100		
226	27.3	24.8	37.2
229	19.1	17.8	26.8

228 100

226 27.3 24.8 37.2

229 19.1 17.8 26.8

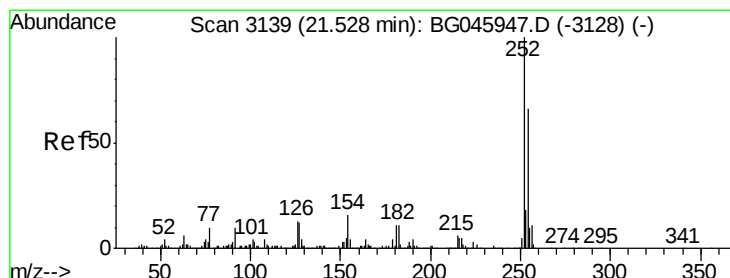
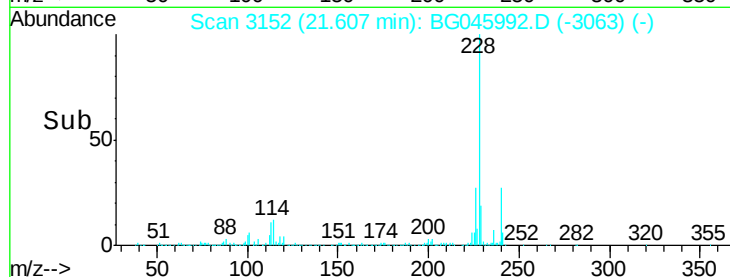
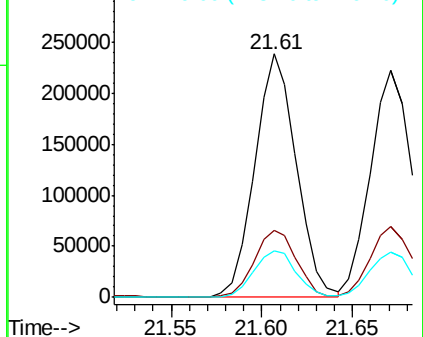


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 9.174 ng

RT: 21.52 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

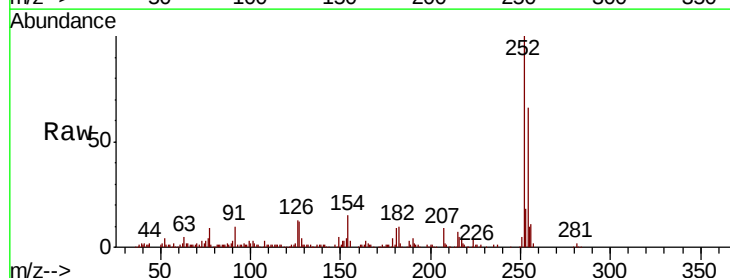
Tgt Ion:252 Resp: 138899

Ion	Ratio	Lower	Upper
252	100		
254	66.1	52.9	79.3
126	12.5	10.4	15.6

252 100

254 66.1 52.9 79.3

126 12.5 10.4 15.6

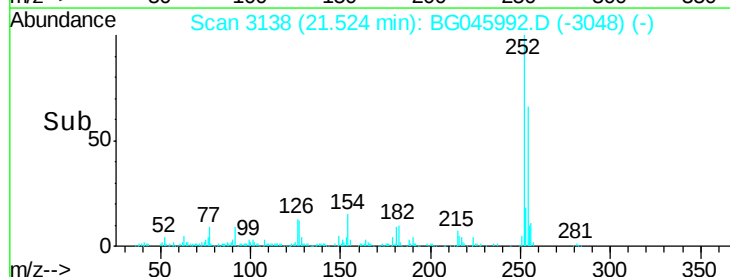
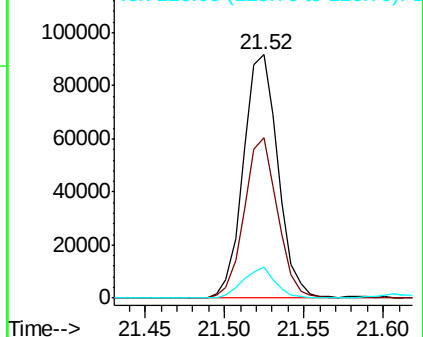


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

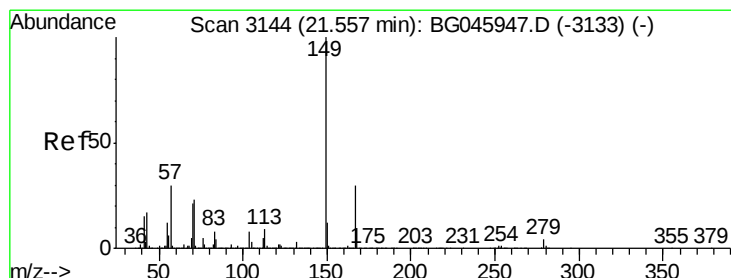
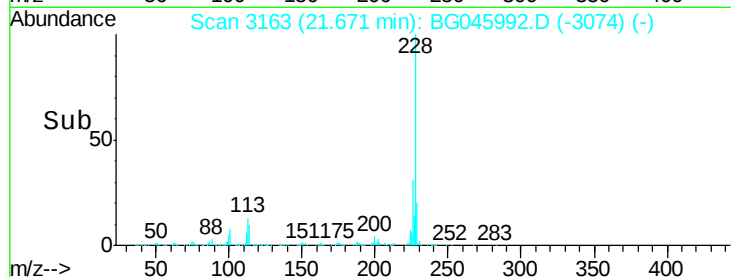
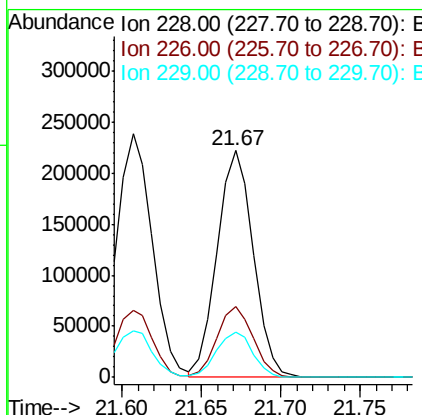
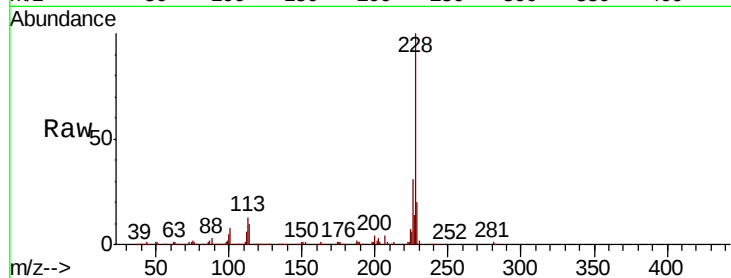




#83
Chrysene
Concen: 9.026 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

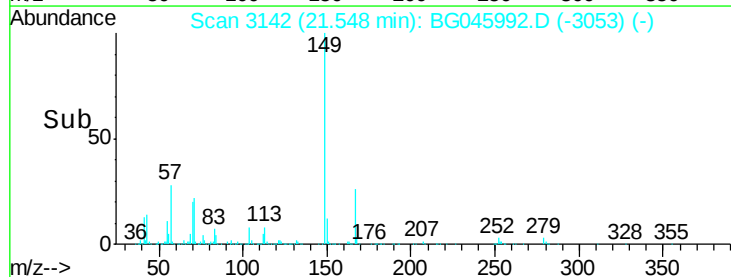
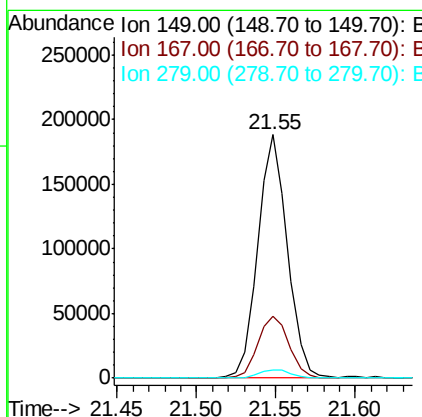
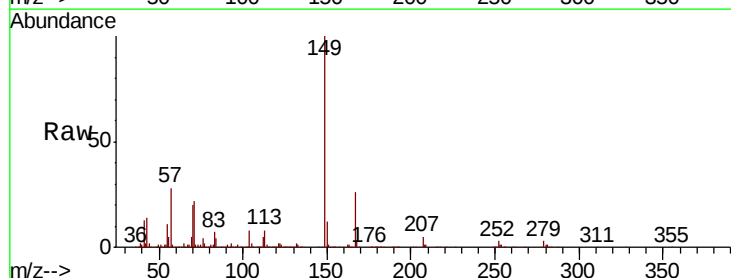
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

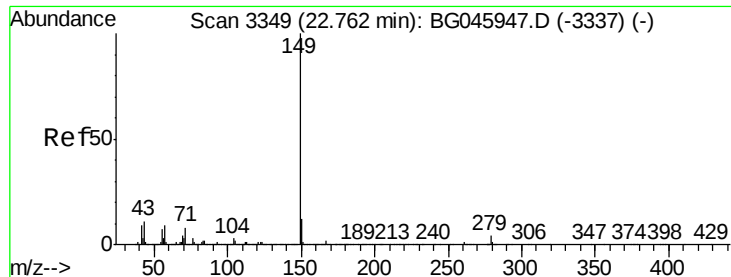
Tot Ion:228 Resp: 352336
Ion Ratio Lower Upper
228 100
226 31.1 26.7 40.1
229 20.1 17.3 25.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.364 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:149 Resp: 244059
Ion Ratio Lower Upper
149 100
167 25.6 23.8 35.8
279 3.4 3.5 5.3#





#85

Di-n-octyl phthalate

Concen: 7.899 ng

RT: 22.75 min Scan# 3346

Delta R.T. -0.02 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

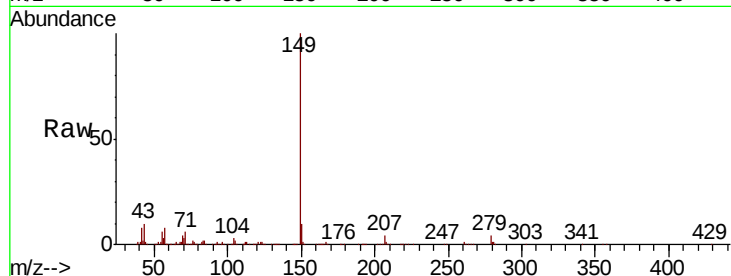
Tot Ion:149 Resp: 400000

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

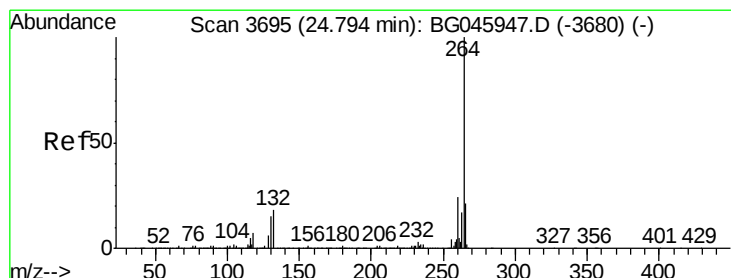
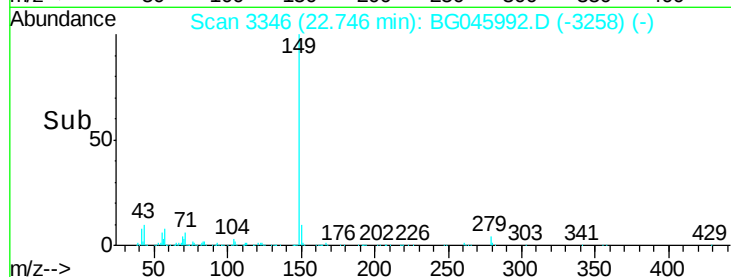
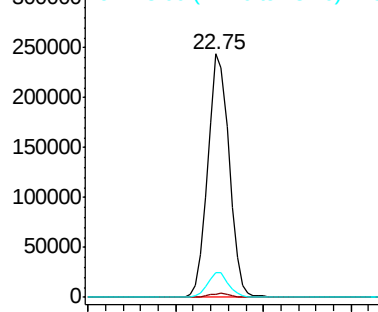
43 10.3 8.6 12.8



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): B



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

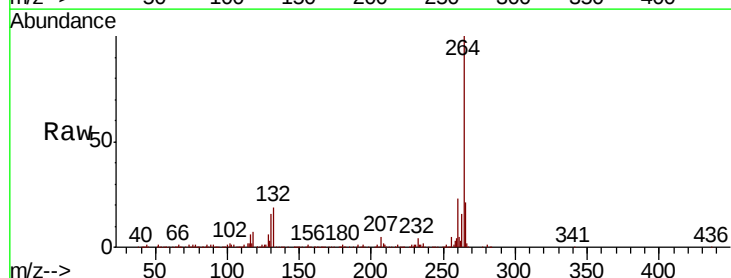
Tgt Ion:264 Resp: 617393

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

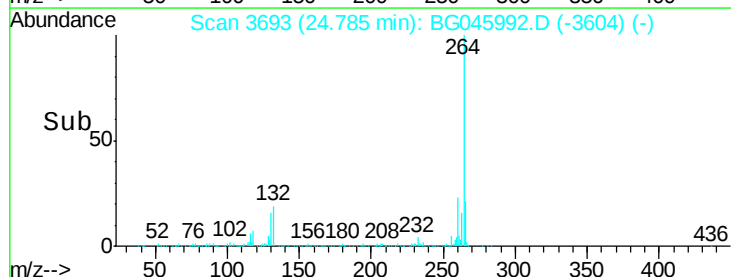
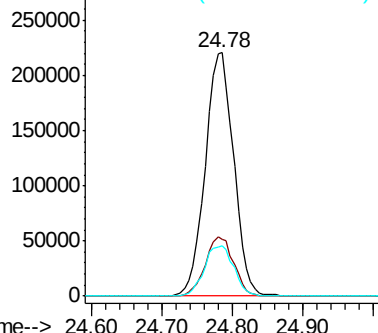
265 20.8 16.9 25.3

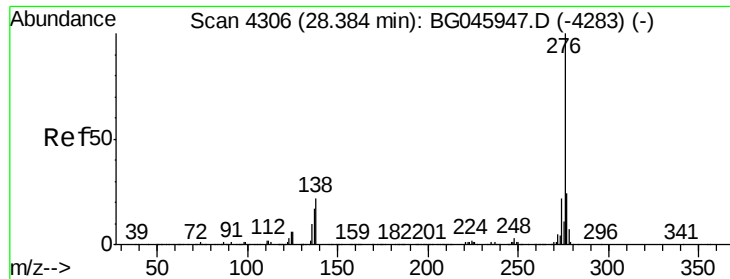


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

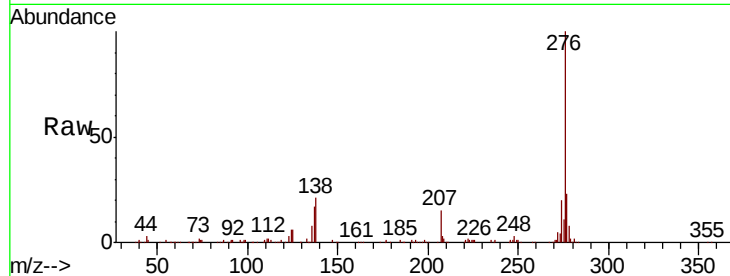




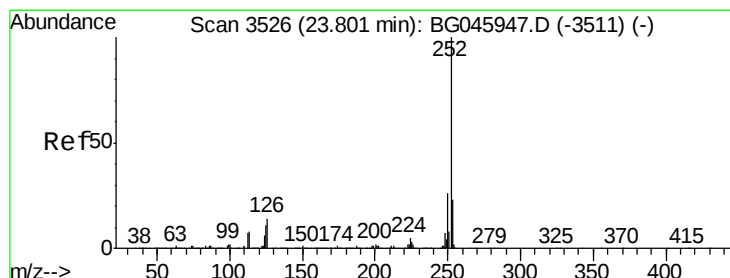
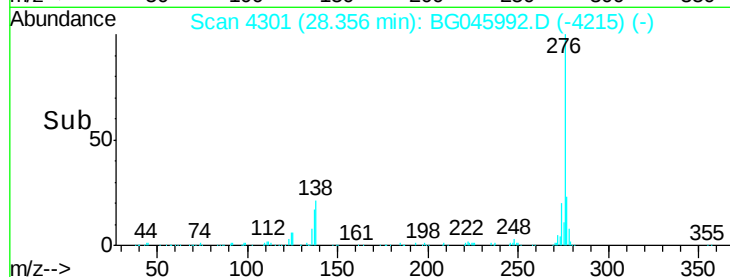
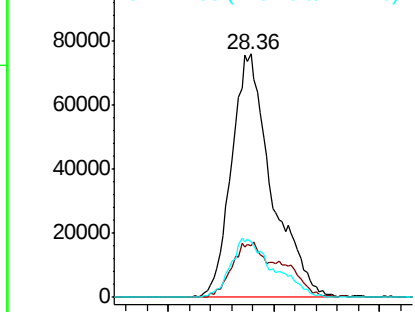
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.864 ng
 RT: 28.36 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	16.4	24.6
277	0.0	20.6	31.0#

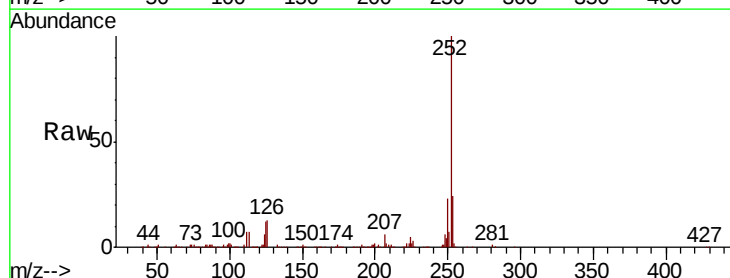


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

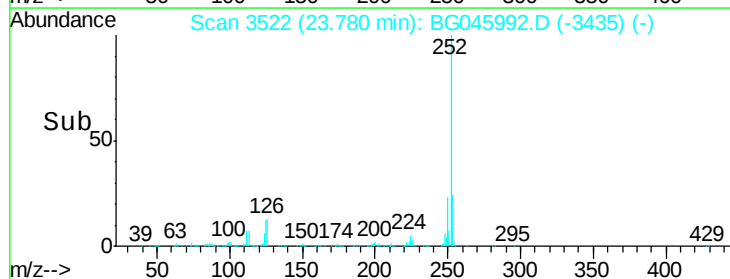
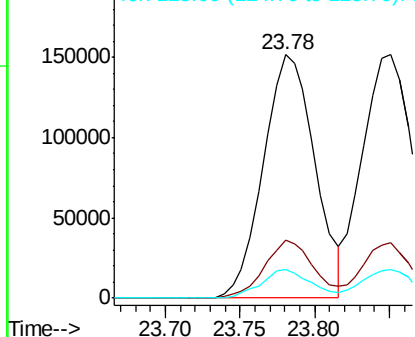


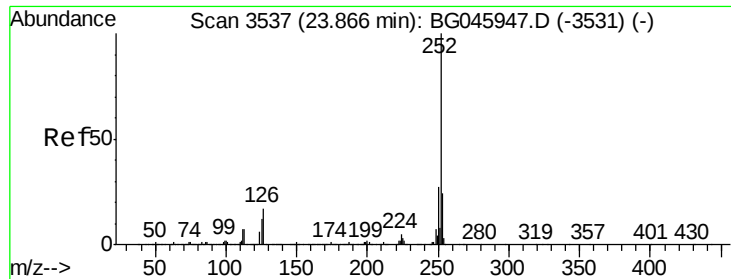
#88
 Benzo(b)fluoranthene
 Concen: 9.284 ng
 RT: 23.78 min Scan# 3522
 Delta R.T. -0.02 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.5	27.7
125	12.0	9.2	13.8



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

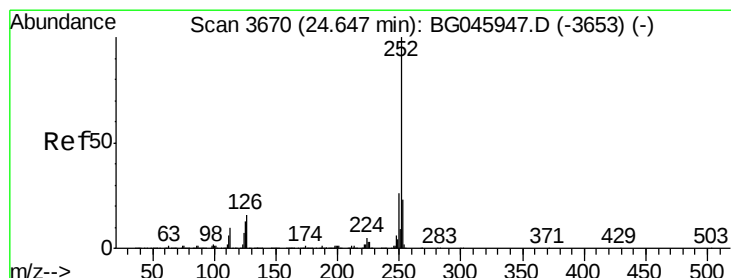
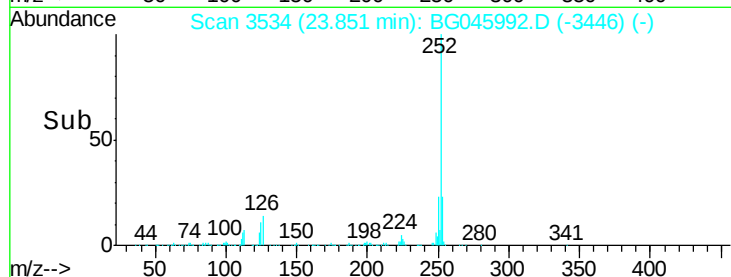
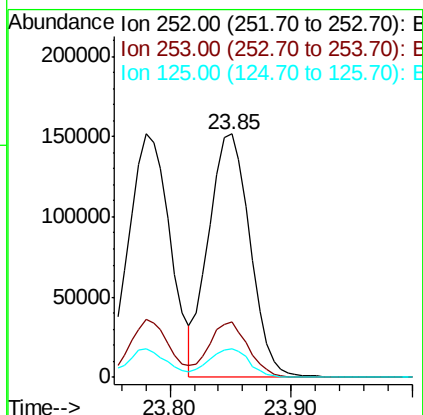
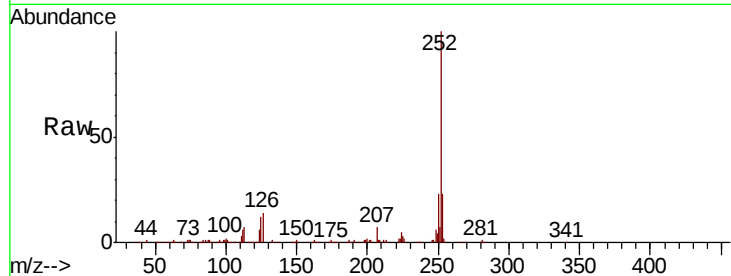




#89
Benzo(k)fluoranthene
Concen: 9.713 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

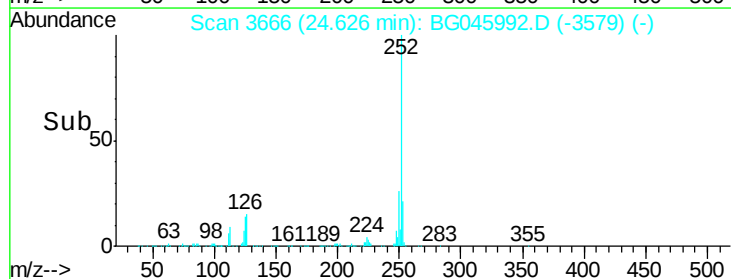
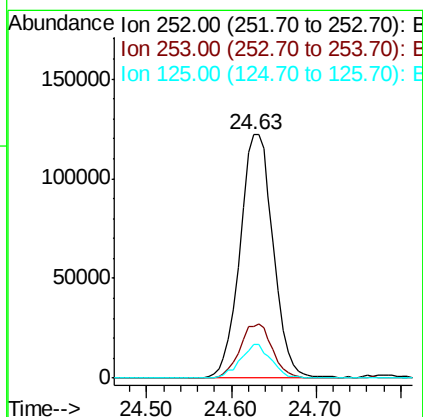
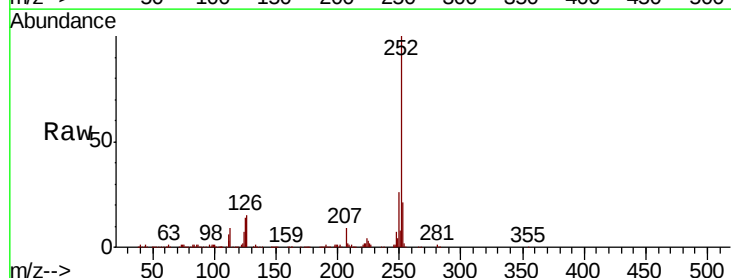
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

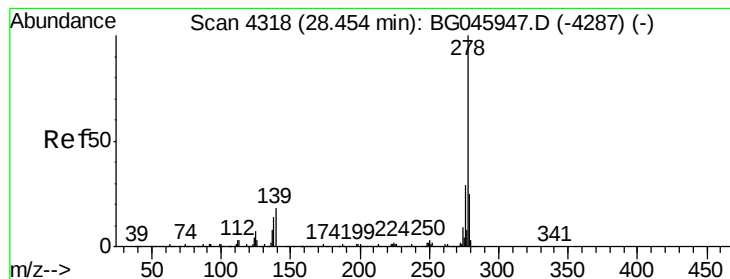
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.9	28.3
125	11.5	9.6	14.4



#90
Benzo(a)pyrene
Concen: 9.019 ng
RT: 24.63 min Scan# 3666
Delta R.T. -0.02 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.6	28.0
125	13.6	10.5	15.7





#91

Dibenzo(a,h)anthracene

Concen: 9.242 ng

RT: 28.43 min Scan# 4313

Delta R.T. -0.03 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

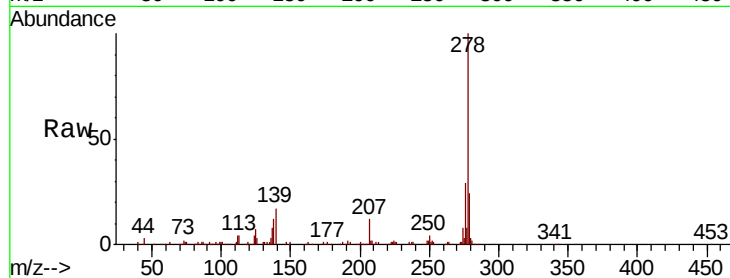
Tot Ion:278 Resp: 336693

Ion Ratio Lower Upper

278 100

139 17.0 14.3 21.5

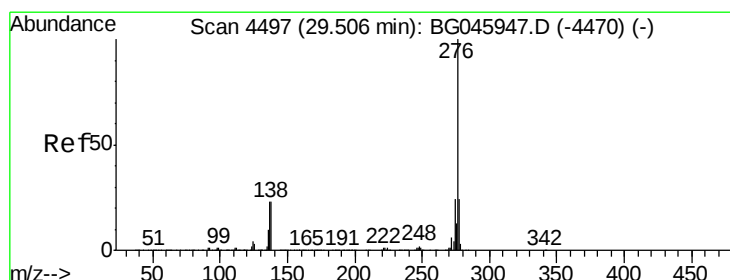
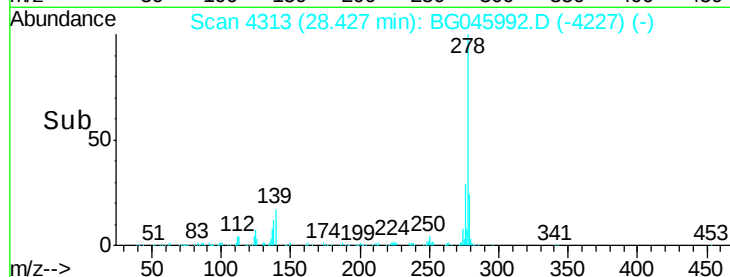
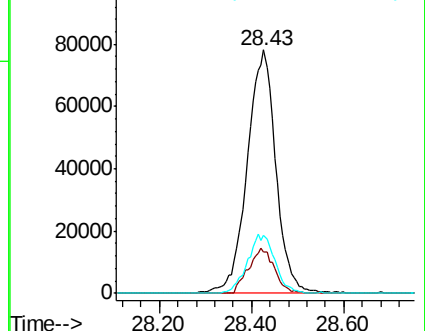
279 23.9 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.110 ng

RT: 29.45 min Scan# 4488

Delta R.T. -0.05 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

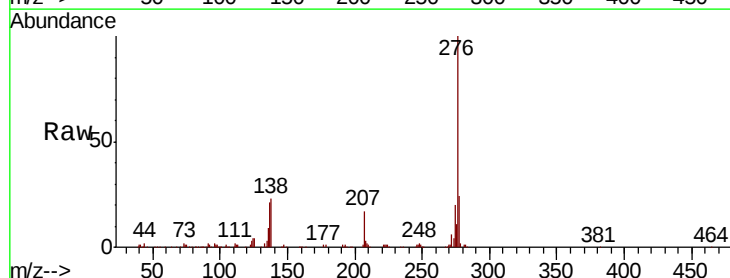
Tgt Ion:276 Resp: 333969

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 23.4 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

